



**Count on it.**

Form No. 380-0070 Rev H

# Parts Catalog

## Irrigation Illustrated Parts Breakout

Model No. Parts Breakout Book



# Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

## Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

## Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

## Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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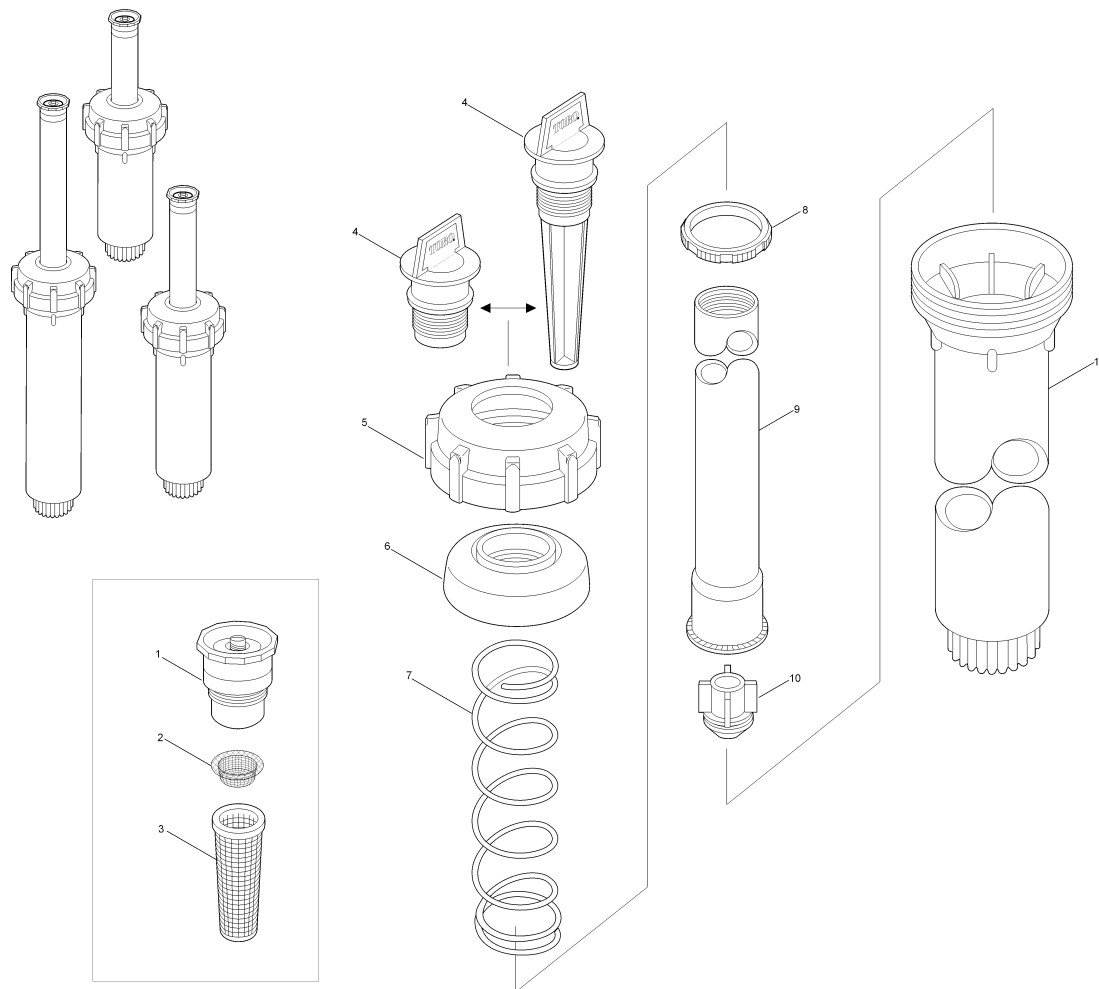
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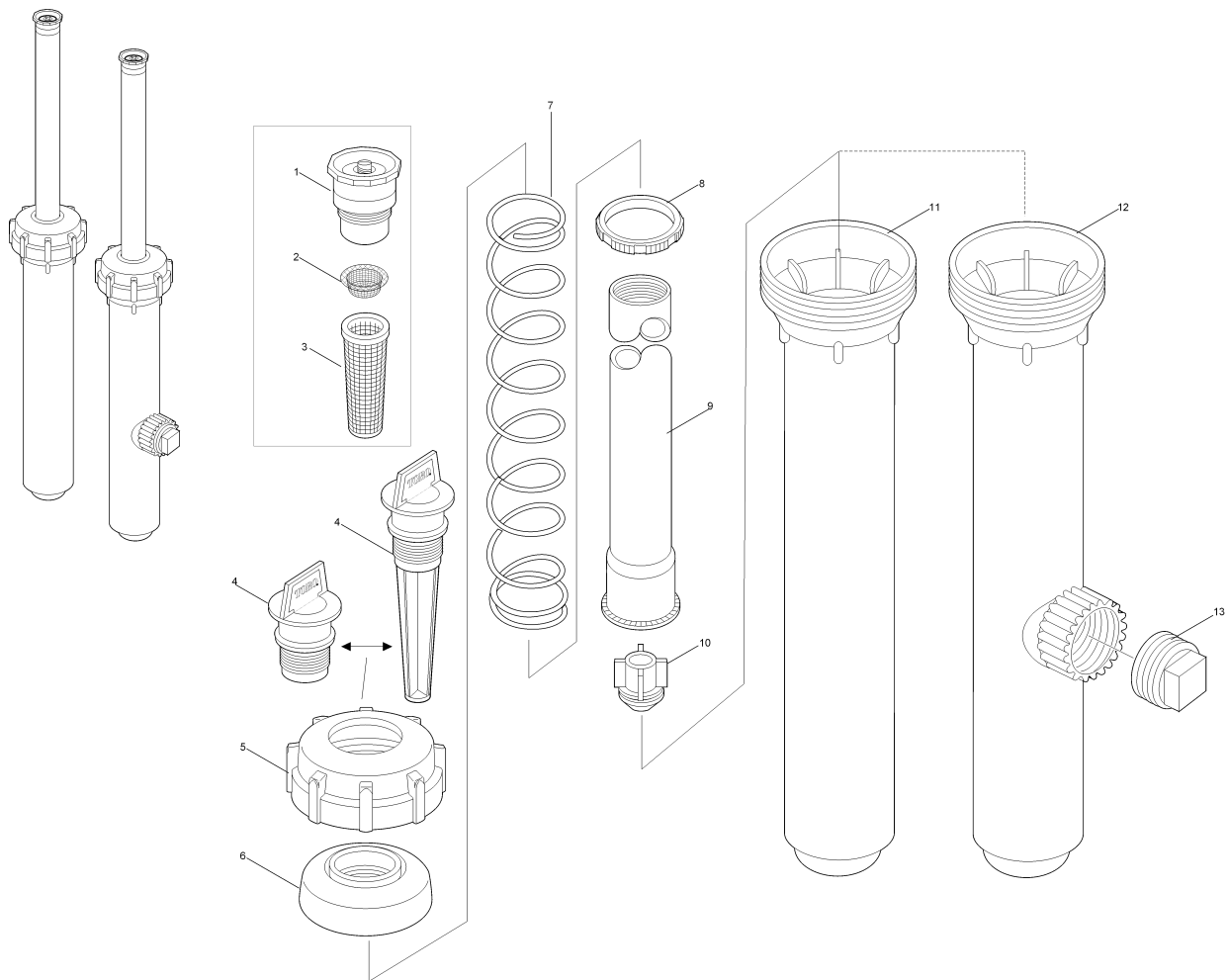
## 570Z 2-4

| Ref. | Part Number | Qty. | Description                                     |
|------|-------------|------|-------------------------------------------------|
| 1    |             | 1    | Nozzle ▲ ◆                                      |
| 2    | 89-5548     | 1    | Screen, Filter, Sst                             |
| 3    | 9-5112      | 1    | Screen, Riser, White, Plastic, Regular Mesh     |
| 3    | 89-8738     | 1    | Screen, Riser, Red, Plastic, Fine Mesh          |
| 4    | 102-2178    | 1    | Flush Cap                                       |
| 4    | 102-0621    | 1    | Flush Plug, Prx & Xf                            |
| 5    | 89-3747     | 1    | Cap, 570                                        |
| 5    | 102-1211    | 1    | Cap And Seal, Lavender (Includes Items 5 And 6) |
| 6    | 570SEAL     | 1    | Seal, Cap, White                                |
| 7    | 89-5640     | 1    | Spring, 570-2LP                                 |
| 7    | 89-5920     | 1    | Spring, 570-2P, Com                             |
| 7    | 35-4879     | 1    | Spring, 570-3LP                                 |
| 7    | 35-9631     | 1    | Spring, 570-3P, Com                             |
| 7    | 35-3077     | 1    | Spring, 570-4LP                                 |
| 7    | 35-9632     | 1    | Spring, 570-4P, Com                             |
| 8    | 89-0463     | 1    | Ring, Ratchet                                   |
| 9    | 89-5642     | 1    | Riser, 2P                                       |
| 9    | 89-0967     | 1    | Riser, 3P                                       |

| Ref. | Part Number | Qty. | Description                                             |
|------|-------------|------|---------------------------------------------------------|
| 9    | 89-0969     | 1    | Riser, 4"                                               |
| 10   | 570CV       | 1    | One Piece Check Valve, White                            |
| 11   | 89-5641     | 1    | Body, 2P                                                |
| 11   | 89-0966     | 1    | Body, 3P                                                |
| 11   | 89-0968     | 1    | Body, 4"                                                |
|      | 89-3997     |      | Cap Assy. (Includes Items 5 & 6) ● ■                    |
|      | 102-1211    |      | Cap, Lavender (Includes Items 5 & 6) ● ■                |
|      | 102-0971    |      | Prx Riser Assy., 4P (Includes Items 4 & 9) ● ■          |
|      | 102-0973    |      | Prx Riser Assy., 4P, Com (Includes Items 4, 9 & 10) ● ■ |
|      | 102-3994    |      | Xf Riser Assy., 4P (Includes Items 4 & 9) ● ■           |
|      | 102-3995    |      | Xf Riser Assy., 4P, Com (Includes Items 4, 9 & 10) ● ■  |

● SERVICE ITEMS  
▲ See 570 Nozzles

■ Not illustrated  
◆ Not serviced separately



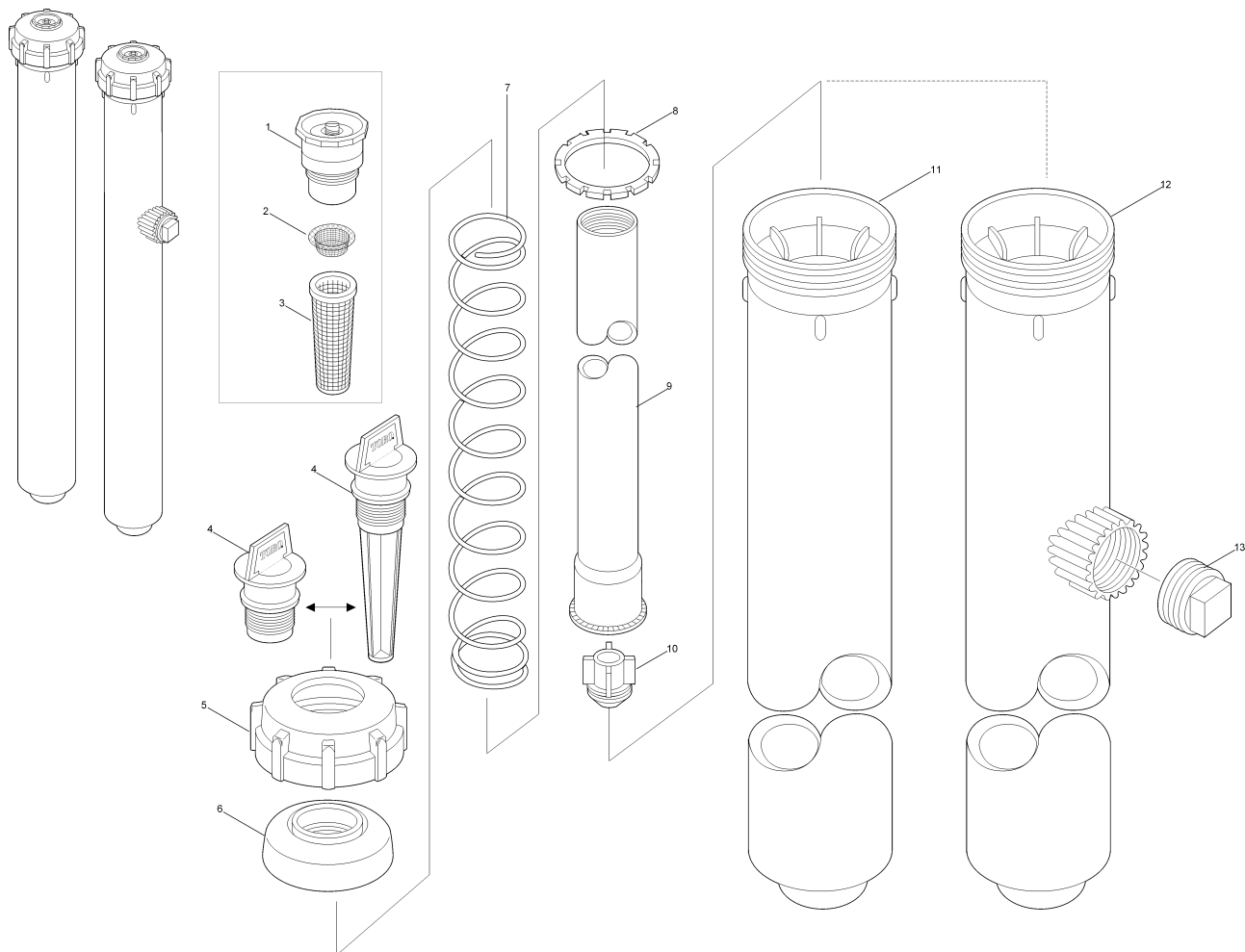
## 570Z-6

| Ref. | Part Number | Qty. | Description                                     |
|------|-------------|------|-------------------------------------------------|
| 1    |             | 1    | Nozzle ▲ ◆                                      |
| 2    | 89-5548     | 1    | Screen, Filter, Sst                             |
| 3    | 9-5112      | 1    | Screen, Riser, White, Plastic, Regular Mesh     |
| 3    | 89-8738     | 1    | Screen, Riser, Red, Plastic, Fine Mesh          |
| 4    | 102-2178    | 1    | Flush Cap                                       |
| 4    | 102-0621    | 1    | Flush Plug, Prx & Xf                            |
| 5    | 89-3747     | 1    | Cap, 570                                        |
| 5    | 102-1211    | 1    | Cap And Seal, Lavender (Includes Items 5 And 6) |
| 6    | 570SEAL     | 1    | Seal, Cap, White                                |
| 7    | 35-4874     | 1    | Spring, Return, 570-6LP                         |
| 7    | 35-9633     | 1    | Spring, Return, 570-6P Com                      |
| 8    | 89-0463     | 1    | Ring, Ratchet                                   |
| 9    | 89-0856     | 1    | Riser, 6"                                       |
| 10   | 570CV       | 1    | One Piece Check Valve, White                    |
| 11   | 89-0970     | 1    | Body, 6"                                        |
| 12   | 89-0857     | 1    | Body, 6P ,Si                                    |

| Ref. | Part Number | Qty. | Description                                             |
|------|-------------|------|---------------------------------------------------------|
| 13   | 363-3125    | 1    | Plug                                                    |
|      | 89-1245     |      | Body Assy., 6P, Si W/Plug (Includes Item 12 & 13) ● ■   |
|      | 89-3997     |      | Cap Assy. (Includes Items 5 & 6) ● ■                    |
|      | 89-8256     |      | Cap Assy., Com (Includes Items 5 & 6) ● ■               |
|      | 102-1211    |      | Cap, Lavender (Includes Items 5 & 6) ● ■                |
|      | 102-0972    |      | Prx Riser Assy., 6P (Includes Items 4 & 9) ● ■          |
|      | 102-0974    |      | Prx Riser Assy., 6P, Com (Includes Items 4, 9 & 10) ● ■ |
|      | 102-3996    |      | Xf Riser Assy., 6P (Includes Items 4 & 9) ● ■           |
|      | 102-3997    |      | Xf Riser Assy., 6P, Com (Includes Items 4, 9 & 10) ● ■  |

● SERVICE ITEMS  
▲ See 570 Nozzles

■ Not illustrated  
◆ Not serviced separately



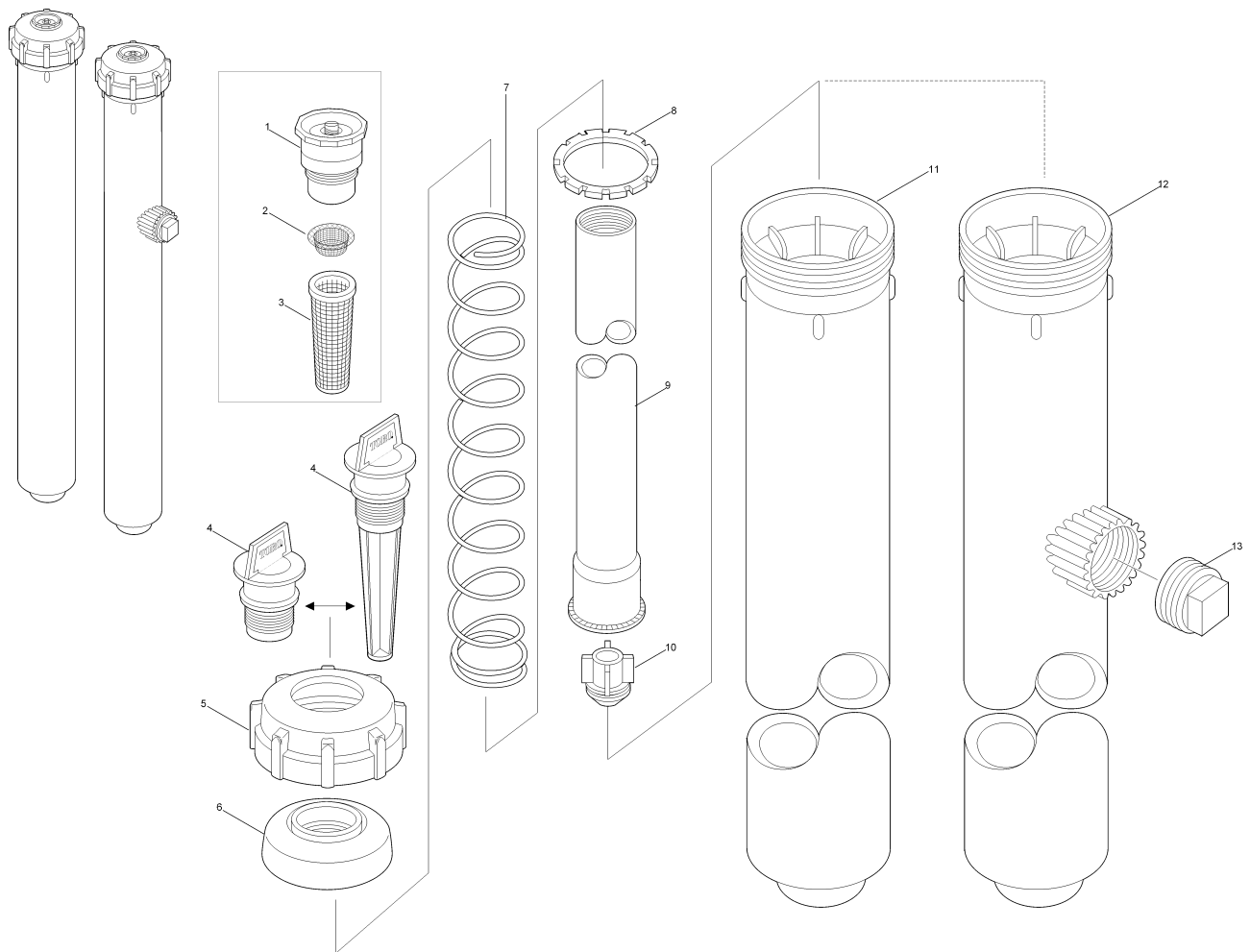
## 570Z-12

| Ref. | Part Number | Qty. | Description                                     |
|------|-------------|------|-------------------------------------------------|
| 1    |             | 1    | Nozzle ▲ ◆                                      |
| 2    | 89-5548     | 1    | Screen, Filter, Sst                             |
| 3    | 9-5112      | 1    | Screen, Riser, White, Plastic, Regular Mesh     |
| 3    | 89-8738     | 1    | Screen, Riser, Red, Plastic, Fine Mesh          |
| 4    | 102-2178    | 1    | Flush Cap                                       |
| 4    | 102-0621    | 1    | Flush Plug, Prx & Xf                            |
| 5    | 89-3747     | 1    | Cap, 570                                        |
| 5    | 102-1211    | 1    | Cap And Seal, Lavender (Includes Items 5 And 6) |
| 6    | 570SEAL     | 1    | Seal, Cap, White                                |
| 7    | 35-6872     | 1    | Spring, Return, 570-12LP                        |
| 7    | 35-9634     | 1    | Spring, Return, 590G-12 Com                     |
| 8    | 89-0855     | 1    | Ring, Ratchet                                   |
| 8    | 89-0433     | 1    | Ring, Ratchet, Si                               |
| 9    | 102-1246    | 1    | Riser, 12"                                      |
| 10   | 570CV       | 1    | One Piece Check Valve, White                    |

| Ref. | Part Number | Qty. | Description                                             |
|------|-------------|------|---------------------------------------------------------|
| 11   | 9-7236      | 1    | Body, 12"                                               |
| 12   | 35-9322     | 1    | Body, 12P, Si                                           |
| 13   | 363-3125    | 1    | Plug                                                    |
|      | 89-3997     |      | Cap Assy. ● ■                                           |
|      | 102-1211    |      | Cap, Lavender (Includes Items 5 & 6) ● ■                |
|      | 102-2917    |      | Prx Riser Assy., 12P (Includes Items 4 & 9) ● ■         |
|      | 102-2918    |      | Prx Riser Assy., 12P Com (Includes Items 4, 9 & 10) ● ■ |
|      | 102-3998    |      | Xf Riser Assy., 12P (Includes Items 4 & 9) ● ■          |
|      | 102-3999    |      | Xf Riser Assy., 12P Com (Includes Items 4, 9 & 10) ● ■  |
|      | 102-4545    |      | Cap & Riser Kit, 570-12P ● ■                            |
|      | 102-4546    |      | Cap & Riser Kit, 570 Side Inlet-12P ● ■                 |

● SERVICE ITEMS  
▲ See 570 Nozzles

■ Not illustrated  
◆ Not serviced separately

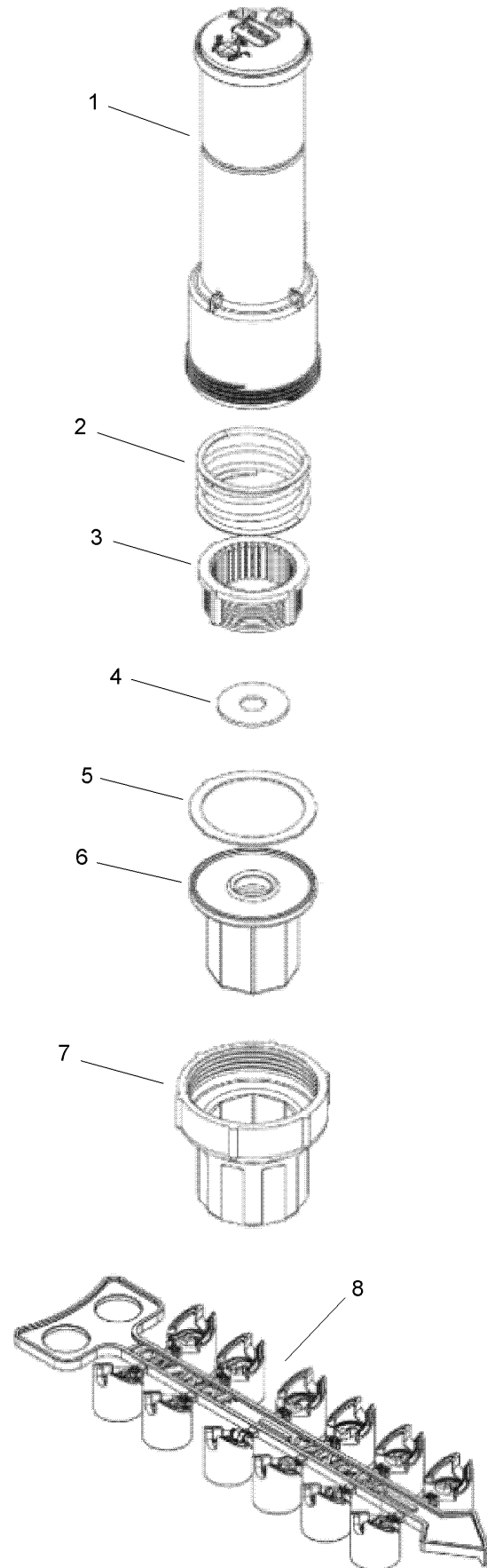
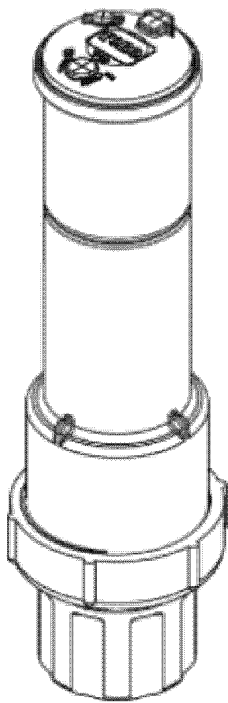


## 570Z-12 (continued)

● SERVICE ITEMS  
▲ See 570 Nozzles

■ Not illustrated  
◆ Not serviced separately

## T5 and T5 RapidSet, Shrub





## T5 and T5 RapidSet, Shrub (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-----------------------|
| 1           | T5S-RS             | 1           | Shrub Body Assembly ▲ |
| 2           | 102-0579           | 1           | Spring                |
| 3           | 102-0575           | 1           | Screen                |
| 4           | 89-7561            | 1           | Seal, Check, Com      |
| 5           | 9-5211             | 1           | Seal                  |

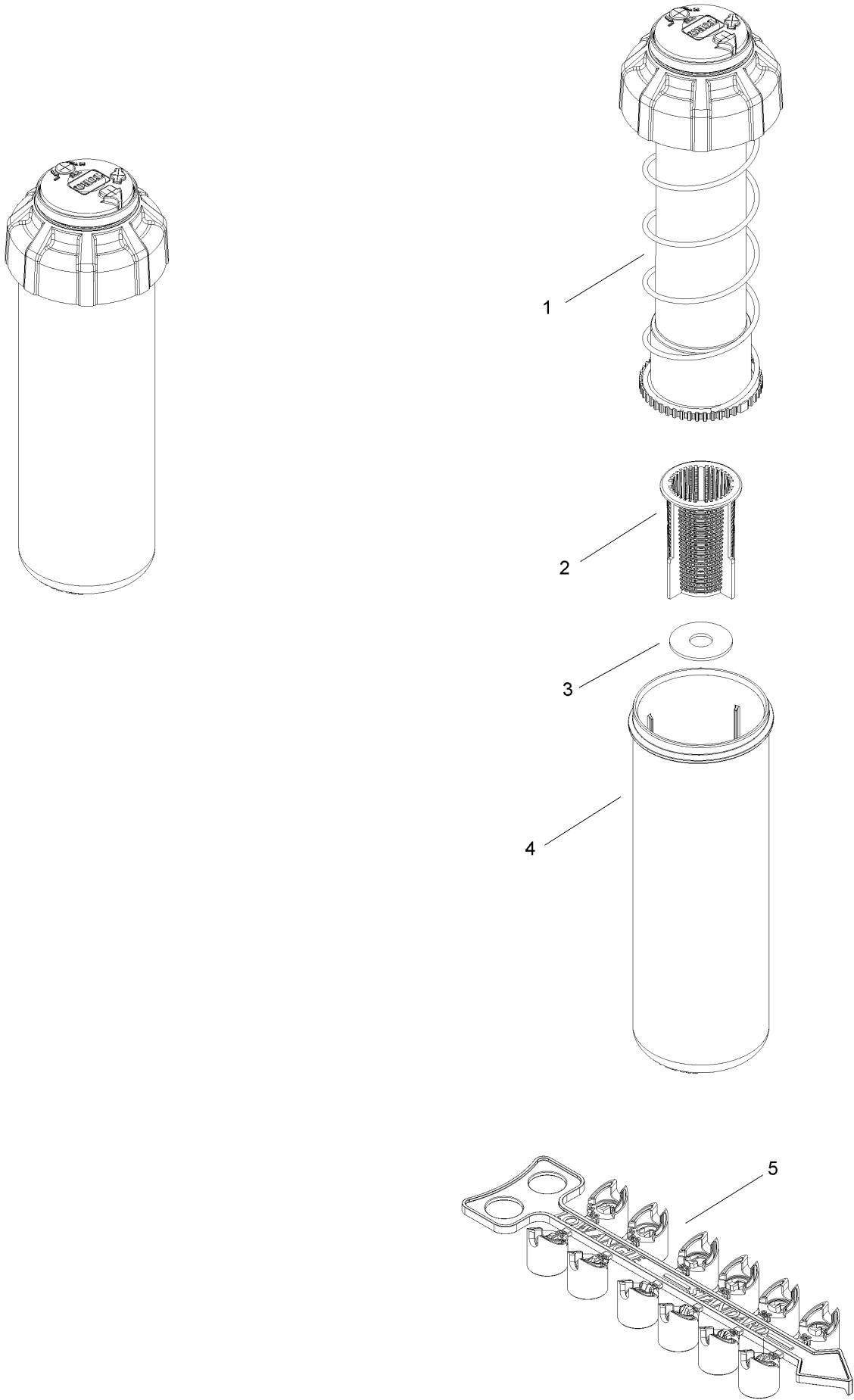
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   |
|-------------|--------------------|-------------|--------------------------------------|
| 6           | 102-0577           | 1           | Threaded Insert, 3/4" & 1/2",<br>Com |
| 7           | 89-8305            | 1           | Base, Shrub                          |
| 8           | 102-6499           | 1           | Nozzle Tree                          |
|             | 102-7194           |             | Adjustment Tool ● ■                  |

● SERVICE ITEMS

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

T5 and T5 RapidSet, Lawn



## T5 and T5 RapidSet, Lawn (continued)

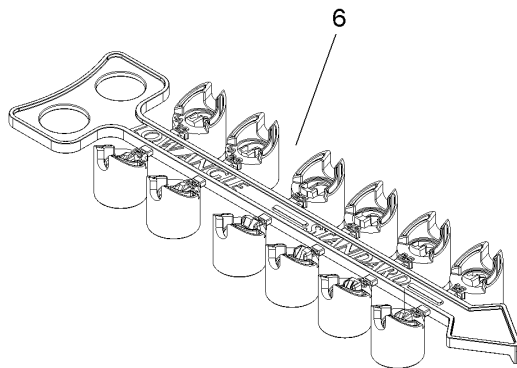
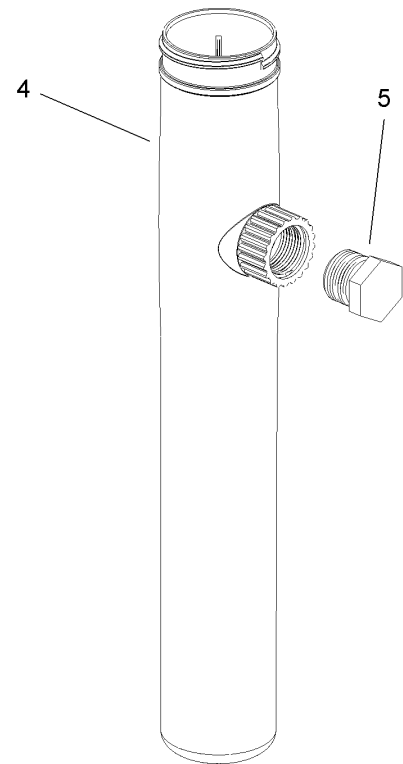
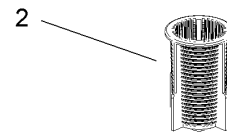
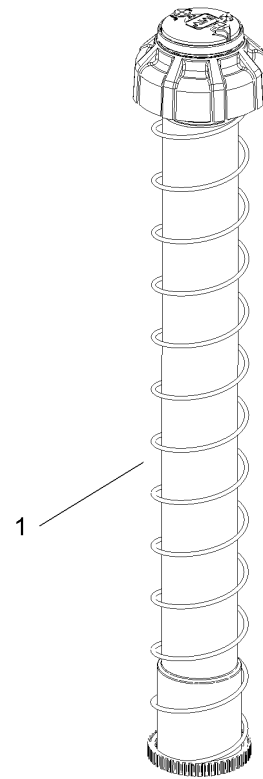
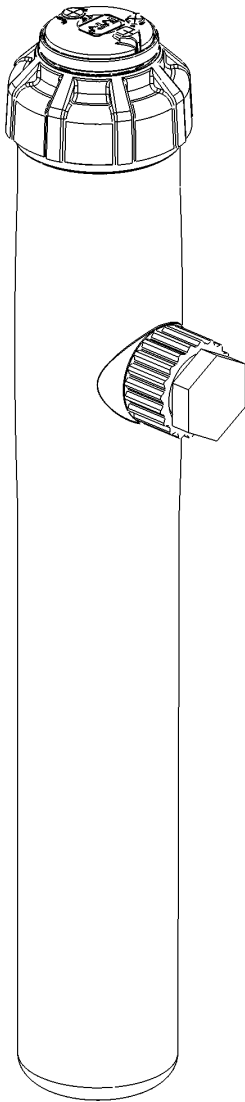
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          |
|-------------|--------------------|-------------|-------------------------------------------------------------|
| 1           | T5P-RS             | 1           | Riser Assembly ▲                                            |
| 2           | 102-6358           | 1           | Screen                                                      |
| 3           | 89-7561            | 1           | Check Seal (Optional, Not Included With The Riser Assembly) |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4           | 102-6349           | 1           | Body               |
| 5           | 102-6499           | 1           | Nozzle Tree        |
|             | 102-7194           |             | Adjustment Tool ●■ |

● SERVICE ITEMS  
▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# T5 and T5 RapidSet, High-Pop



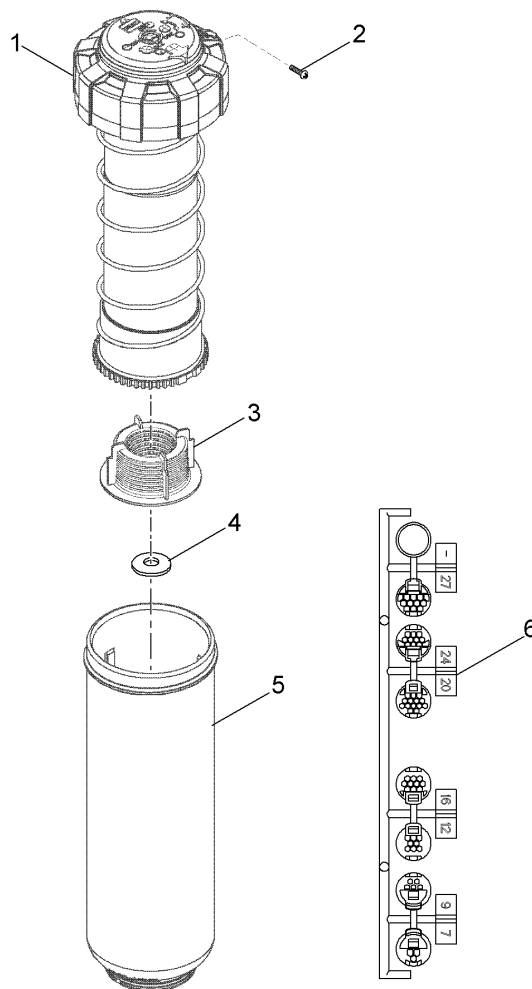
## T5 and T5 RapidSet, High-Pop (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          |
|-------------|--------------------|-------------|-------------------------------------------------------------|
| 1           | T5HP-RS            | 1           | Riser Assembly ▲                                            |
| 2           | 102-6358           | 1           | Screen                                                      |
| 3           | 89-7561            | 1           | Check Seal (Optional, Not Included With The Riser Assembly) |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 4           | 102-6501           | 1           | Body                |
| 5           | 363-3779           | 1           | Plug, 3/4" Npt Male |
| 6           | 102-6499           | 1           | Nozzle Tree         |
|             | 102-7194           |             | Adjustment Tool ●■  |

● SERVICE ITEMS  
▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated



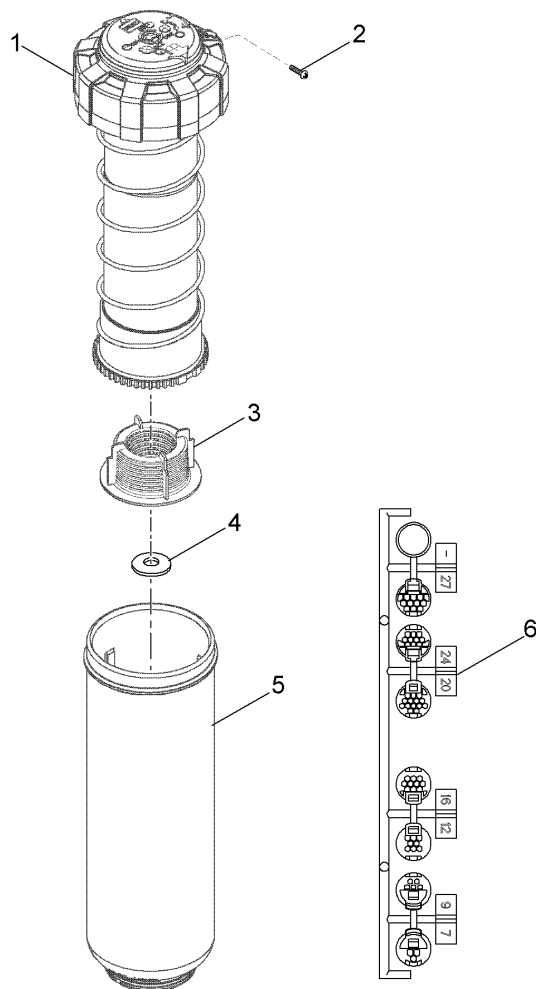
## T7

| Ref. | Part Number | Qty. | Description                                       |
|------|-------------|------|---------------------------------------------------|
| 1    |             | 1    | Riser Assembly, T7 (Order Complete Sprinkler) ▲ ■ |
| 2    | 102-2406    | 1    | Set Screw, Cap                                    |
| 3    | 102-3857    | 1    | Screen                                            |
| 4    | 89-9183     | 1    | Seal, Check                                       |
| 5    | 118-1718    | 1    | Body Assembly, 1", Acme                           |
| 5    | 102-4465    | 1    | Body Assembly, 1", Npt                            |
| 5    | 102-3851    | 1    | Body Assembly, 1", BSP                            |
| 6    | 102-2633    | 1    | Tree, Nozzle, T7, Stamped, High Flow ▲            |
| 6    | 102-1877    | 1    | Tree, Nozzle, T7, Low Flow ▲                      |
|      | 102-6527    | 1    | Adjustment Tool ●                                 |

● Not illustrated

■ Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

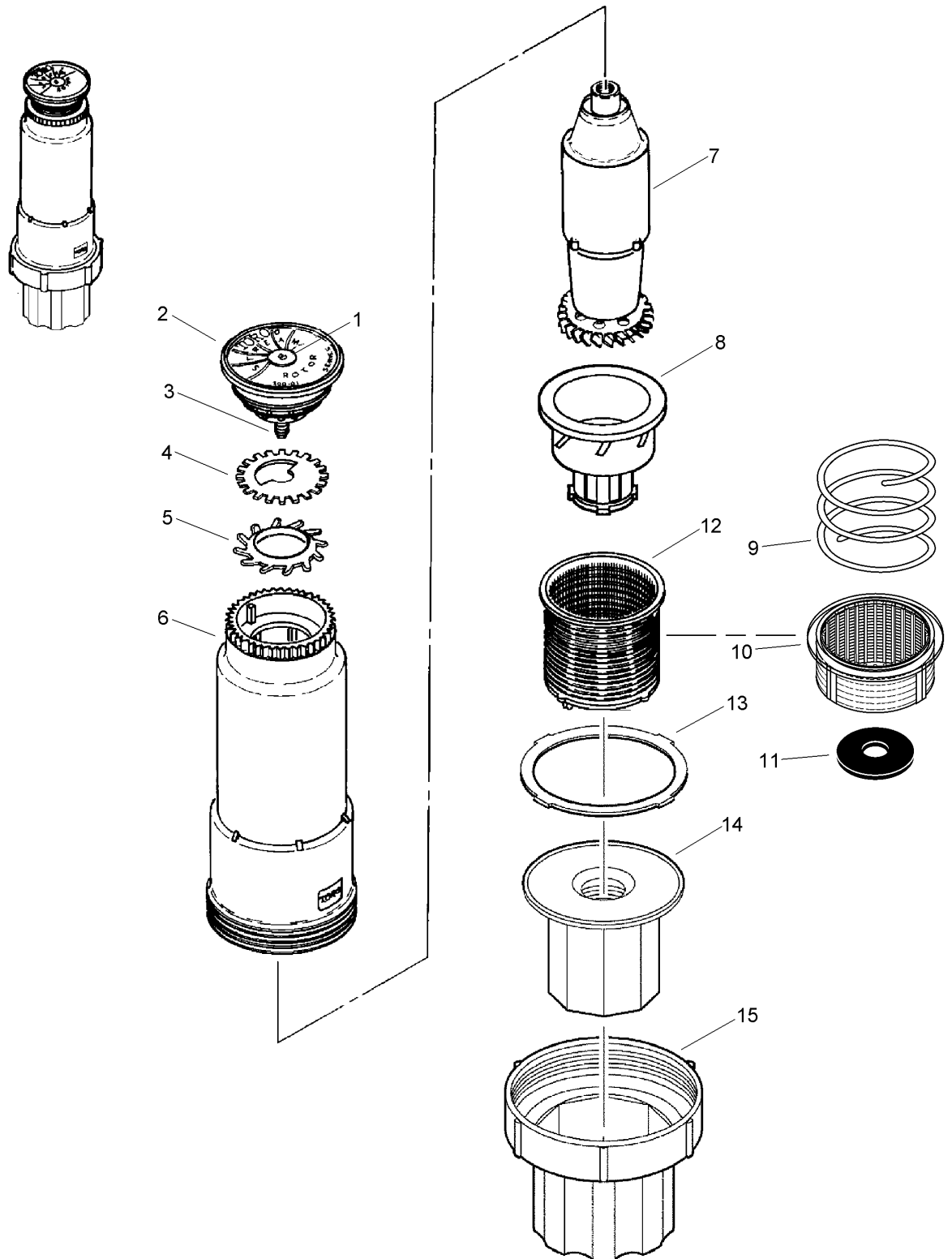


## T7 (continued)

● Not illustrated  
 ▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately

# 300 Shrub





## 300 Shrub (continued)

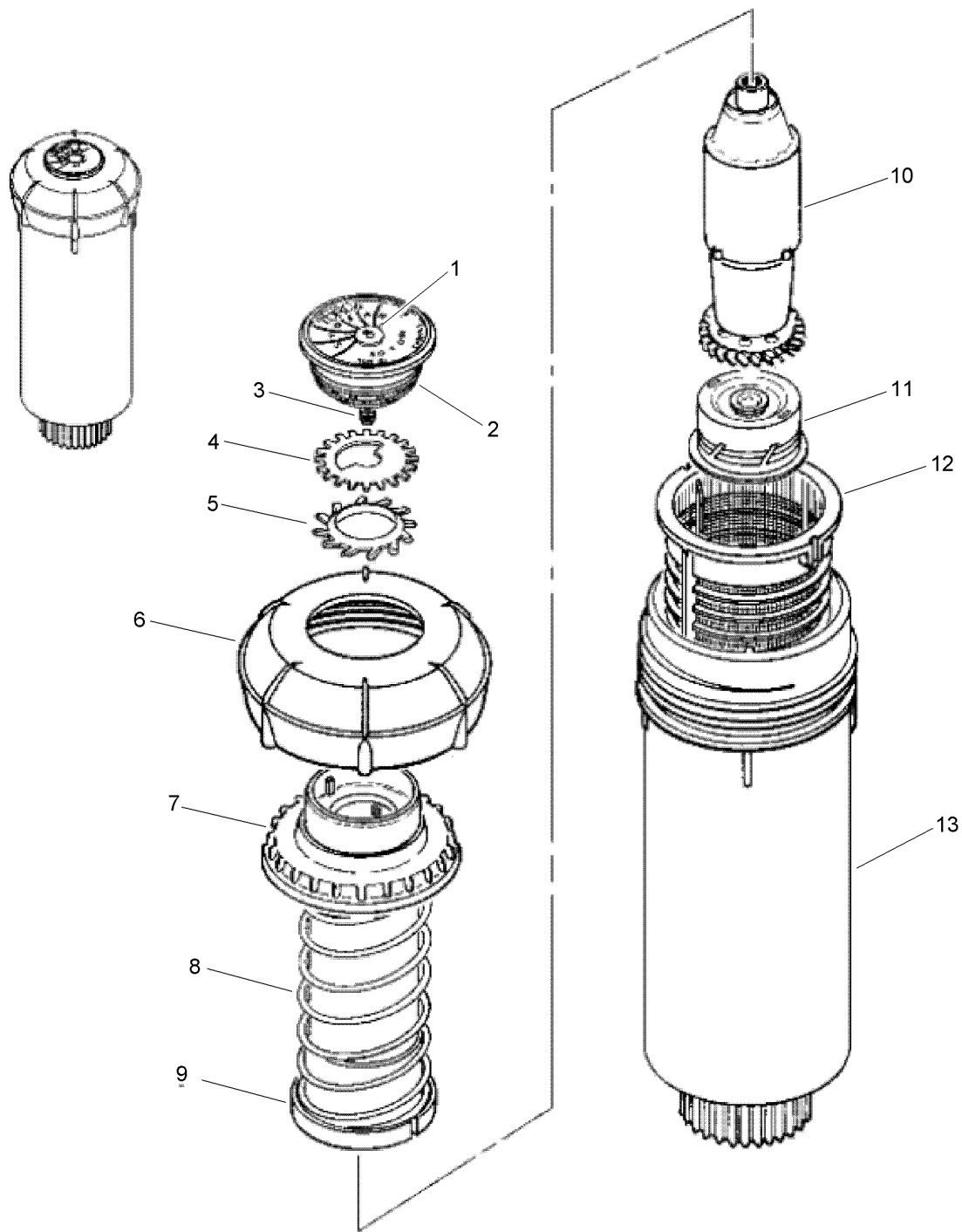
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         |
|-------------|--------------------|-------------|--------------------------------------------|
| 1           |                    | 1           | Plug, Cap, Nozzle ▲                        |
| 2           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 And 3) ▲ |
| 3           | 360-0272           | 1           | Screw                                      |
| 4           |                    | 1           | Disc, Arc ▲                                |
| 5           | 9-2825             | 1           | Seal, Nozzle                               |
| 6           | 9-5210             | 1           | Body, Shrub                                |
| 7           | 9-2829             | 1           | Drive Assy., 300 Series                    |
| 8           | 89-6929            | 1           | Stator Assy., Shrub                        |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|------------------------------|
| 9           | 102-0579           | 1           | Check, Spring                |
| 10          | 102-0575           | 1           | Screen                       |
| 11          | 89-7561            | 1           | Seal, Check, Com             |
| 12          | 9-5212             | 1           | Screen, Basket               |
| 13          | 9-5211             | 1           | Seal                         |
| 14          | 89-6094            | 1           | Threaded Insert, 3/4" & 1/2" |
| 15          |                    | 1           | Base, Shrub ▲                |
|             | 9-5699             |             | Insert, 3/4" ●■              |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

300 Lawn



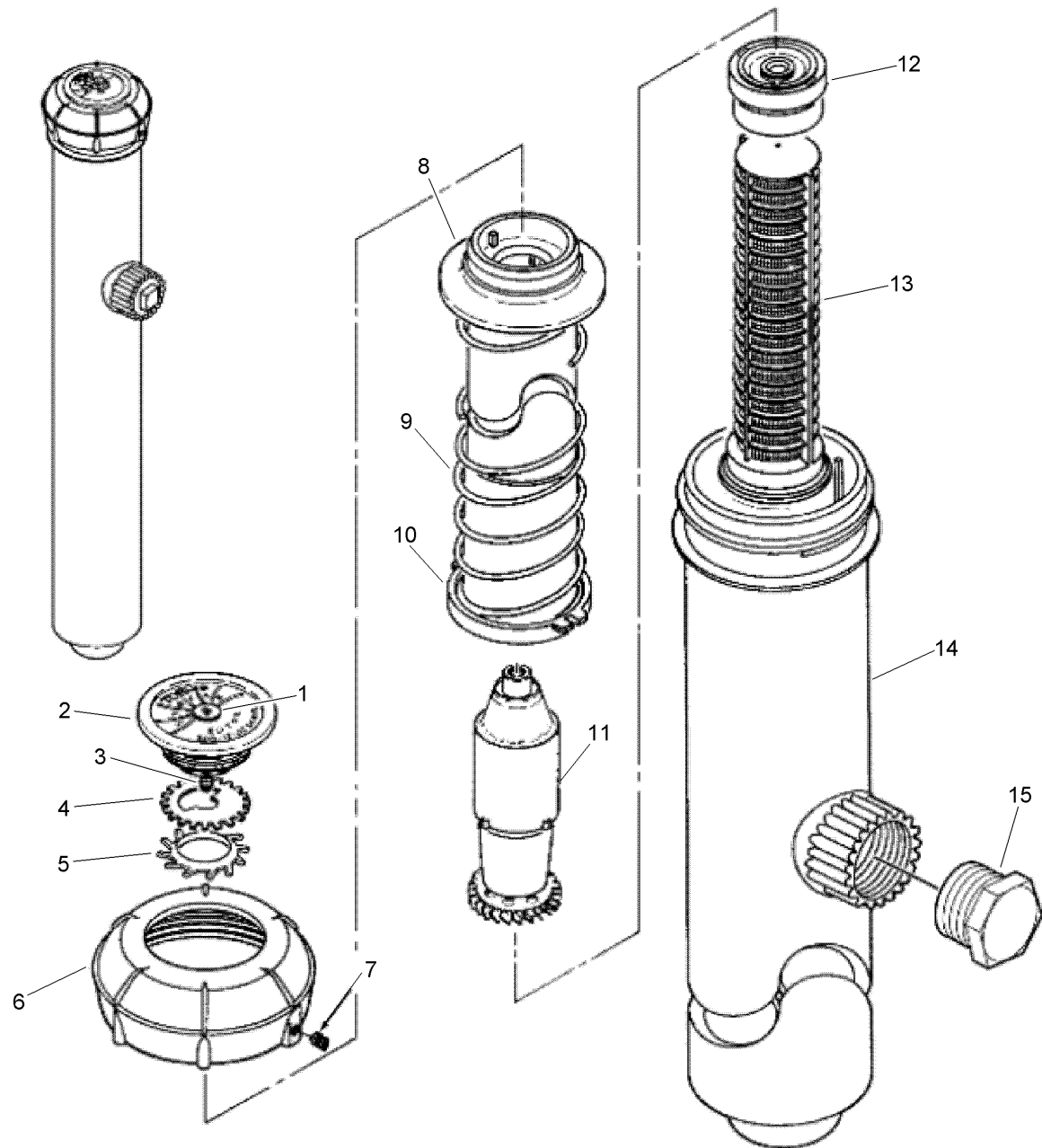
## 300 Lawn (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------|
| 1           |                    | 1           | Plug, Cap, Nozzle ▲                      | 8           | 9-2137             | 1           | Spring, Retraction                            |
| 2           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 & 3) ▲ | 9           | 9-2836             | 1           | Riser                                         |
| 3           | 360-0272           | 1           | Screw                                    | 10          | 9-2829             | 1           | Drive Assy., 300 Series                       |
| 4           |                    | 1           | Disc, Arc ▲                              | 11          | 9-5181             | 1           | Stator Assy.                                  |
| 5           | 9-2825             | 1           | Seal, Nozzle                             | 12          | 9-2131             | 1           | Screen, Basket                                |
| 6           | 9-4394             | 1           | Cap                                      | 13          | 9-1661             | 1           | Body                                          |
| 7           | 9-4449             | 1           | Seal, Riser                              |             | 9-6472             | 1           | Riser Assy. (Includes Items<br>9, 10 & 11) ■● |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

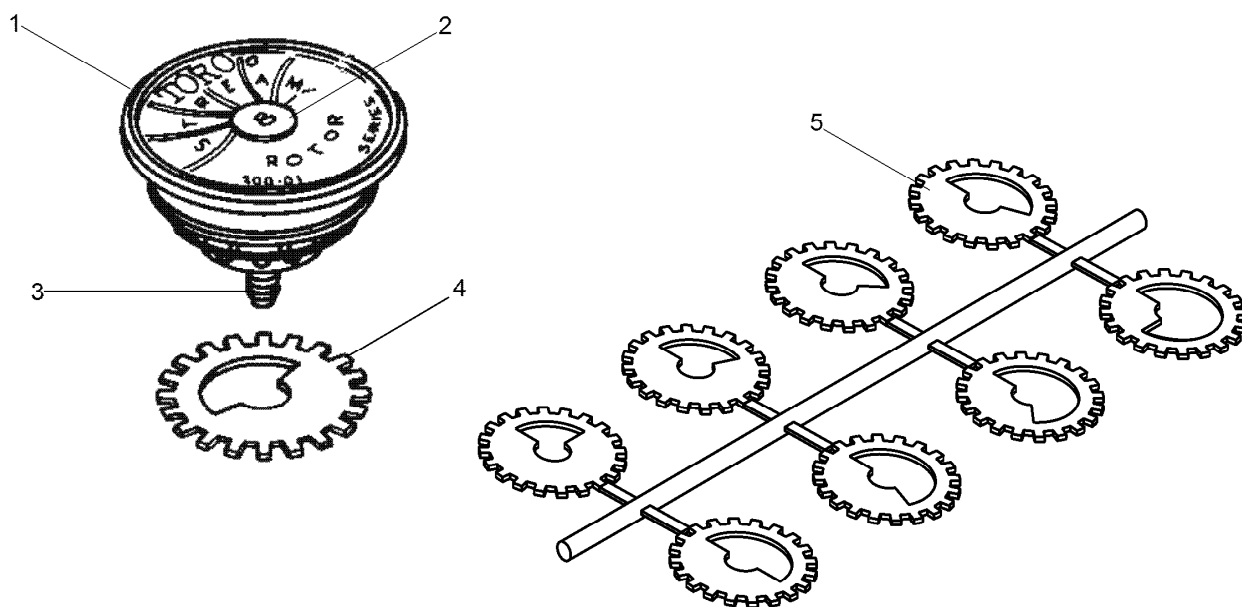
300 High-pop



## 300 High-pop (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------------------------|-------------|--------------------|-------------|-------------------------|
| 1           |                    | 1           | Plug, Cap, Nozzle ●                       | 8           | 9-4572             | 1           | Seal, Riser             |
| 2           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 & 3) ●  | 9           | 35-7579            | 1           | Spring, Retraction      |
| 3           | 360-0272           | 1           | Screw                                     | 10          | 9-4570             | 1           | Riser                   |
| 4           |                    | 1           | Disc, Arc ●                               | 11          | 9-2829             | 1           | Drive Assy., 300 Series |
| 5           | 9-2825             | 1           | Seal, Nozzle                              | 12          | 9-5683             | 1           | Stator Assy.            |
| 6           | 35-0481            | 1           | Cap Assy., High-Pop<br>(Includes Item 7)  | 13          | 9-4571             | 1           | Screen, Basket          |
| 7           | 360-0223           | 1           | Screw-Set, Half-Dog Point,<br>6-32 X 1/4" | 14          | 89-1960            | 1           | Body                    |
|             |                    |             |                                           | 15          | 363-3779           | 1           | Plug, 3/4" Npt Male     |

● Not serviced separately



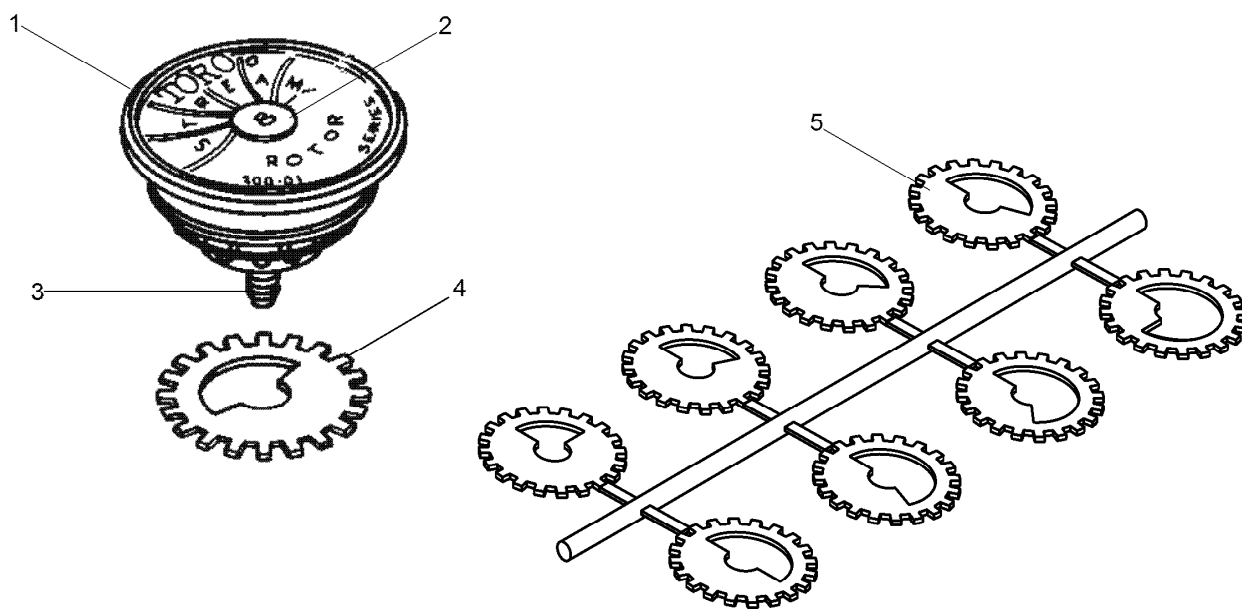
## 300 and 340 Series Nozzles

| Ref. | Part Number | Qty. | Description                                                                             |
|------|-------------|------|-----------------------------------------------------------------------------------------|
| 1    | 300-11      | 1    | Nozzle Assy., 01 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-12      | 1    | Nozzle Assy., 02 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-13      | 1    | Nozzle Assy., 03 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-63-1    | 1    | Nozzle Assy., 63 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-93-1    | 1    | Nozzle Assy., 93 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-21      | 1    | Nozzle Assy., 01 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-22      | 1    | Nozzle Assy., 02 W/Blank Cap Plug Nozzle, Bag Of 50 (Adjustable) (Includes Items 1-3) ■ |
| 1    | 300-23      | 1    | Nozzle Assy., 03 W/Blank Cap Plug Nozzle, Bag Of 50 (Includes Items 1-3) ■              |

| Ref. | Part Number | Qty. | Description                                                           |
|------|-------------|------|-----------------------------------------------------------------------|
| 1    | 300-63-12   | 1    | Nozzle Assy., 63 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■   |
| 1    | 300-93-12   | 1    | Nozzle Assy., 93 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■   |
| 1    | 300-15      | 1    | Adjustable Stream Rotor Omni Nozzle, Bag Of 25 (Adjustable) ■         |
| 1    | 300-25      | 1    | Adjustable Stream Rotor Omni Nozzles Nozzle, Bag Of 25 (Adjustable) ■ |
| 1    | 89-1309     | 1    | Cover, Cap, Omni Nozzle Nozzle (Adjustable)                           |
| 2    | 9-7048      | 1    | Plug, Cap, Nozzle, Blank                                              |
| 2    | 89-7889     | 1    | Plug, Cap, Nozzle, Effluent, Lavender                                 |
| 3    | 360-0272    | 1    | Screw                                                                 |
| 4    | 304-00      | 1    | Disc, Arc, 90°, Bag Of 25 ■                                           |
| 4    | 305-00      | 1    | Disc, Arc, 112°, Bag Of 10 ■                                          |
| 4    | 306-00      | 1    | Disc, Arc, 135°, Bag Of 10 ■                                          |
| 4    | 307-00      | 1    | Disc, Arc, 157°, Bag Of 10 ■                                          |
| 4    | 308-00      | 1    | Disc, Arc, 180°, Bag Of 25 ■                                          |
| 4    | 309-00      | 1    | Disc, Arc, 202°, Bag Of 10 ■                                          |
| 4    | 310-00      | 1    | Disc, Arc, 225°, Bag Of 10 ■                                          |

● Not illustrated

■ Order Through Finished Goods Distribution System - Minneapolis



## 300 and 340 Series Nozzles (continued)

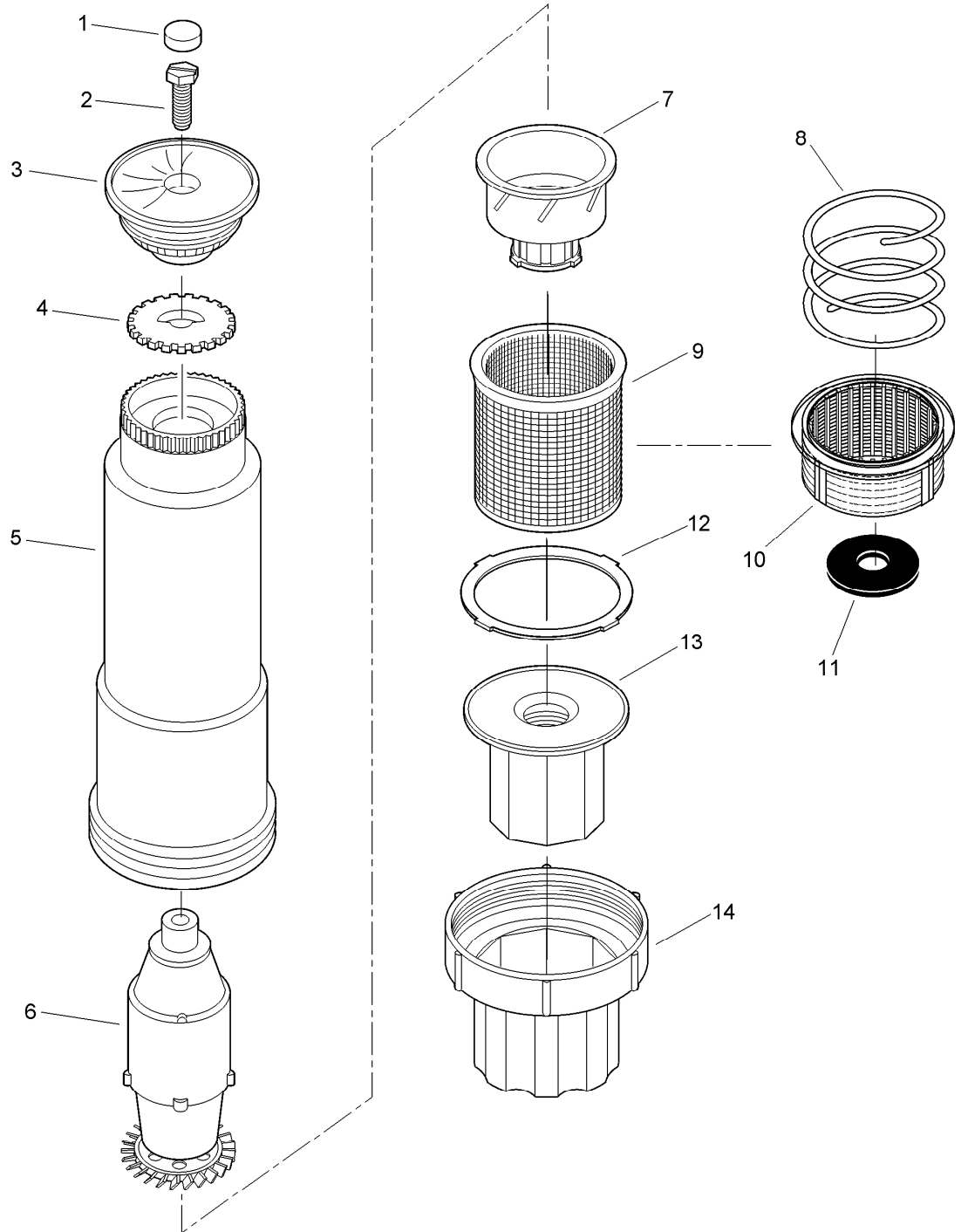
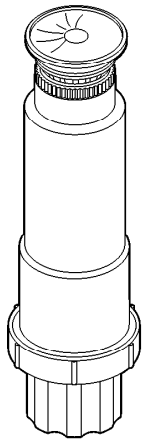
| Ref. | Part Number | Qty. | Description                                  |
|------|-------------|------|----------------------------------------------|
| 4    | 312-00      | 1    | Disc, Arc, 270°, Bag Of 10 ■                 |
| 4    | 316-00      | 1    | Disc, Arc, 360°, Bag Of 25 ■                 |
| 5    | 340-09-SK   | 1    | Tree, Plastic Arc Disc (Includes All Disc) ■ |
|      | 89-7853     | 1    | Omni Nozzle Cover (Use With 300-15) ■●       |

| Ref. | Part Number | Qty. | Description                              |
|------|-------------|------|------------------------------------------|
|      | 89-7854     | 1    | Omni Nozzle Cover (Use With 300-25) ■●   |
|      | 89-7889     | 1    | Plug, Cap, Nozzle, Effluent, Lavender ■● |

● Not illustrated

■ Order Through Finished Goods Distribution System - Minneapolis

# 340 Shrub



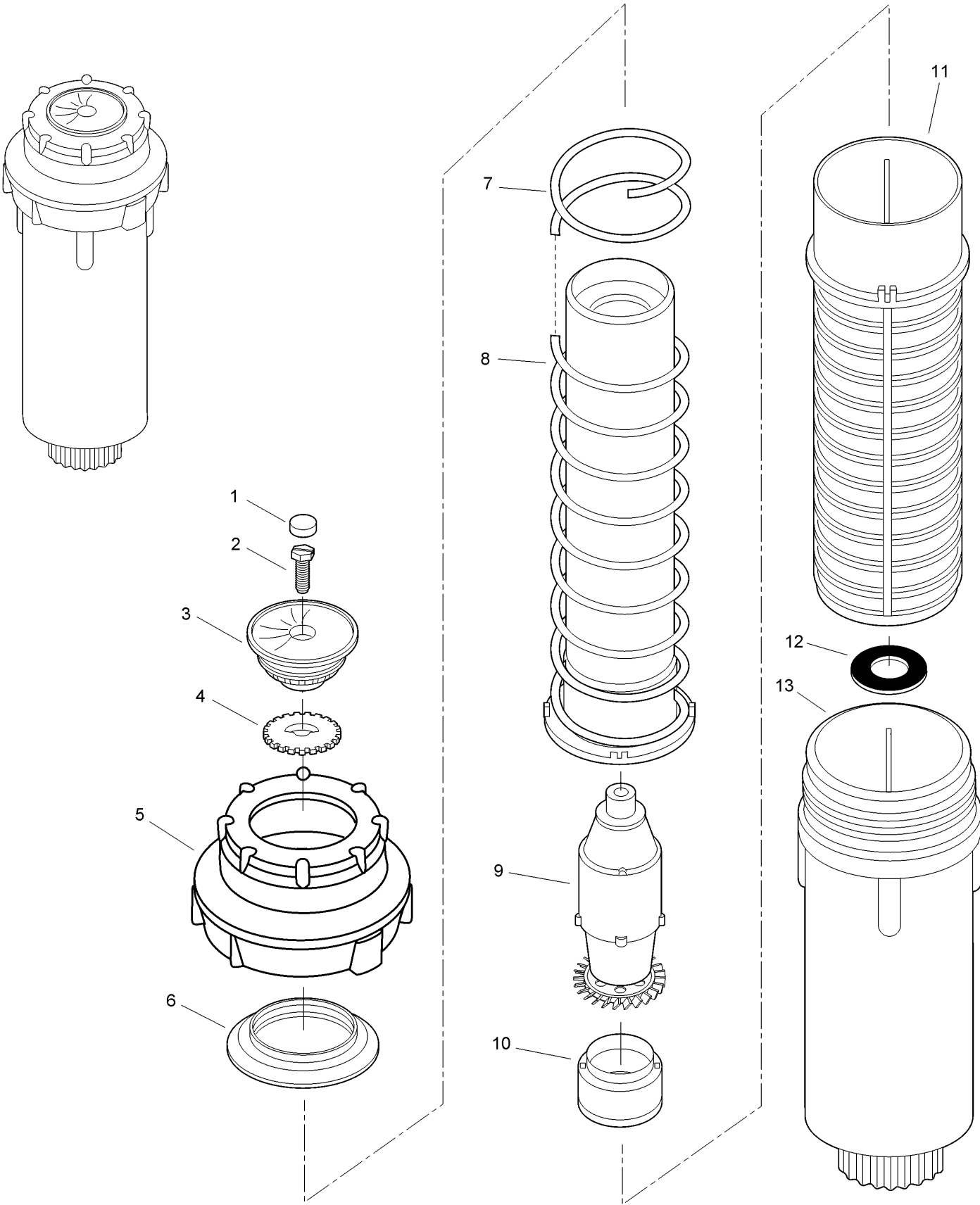


## 340 Shrub (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|------------------------------|
| 1           |                    | 1           | Plug, Cap, Nozzle ●                      | 8           | 102-0579           | 1           | Check, Spring                |
| 2           | 360-0272           | 1           | Screw                                    | 9           | 9-5212             | 1           | Screen, Basket               |
| 3           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 & 2) ● | 10          | 102-0575           | 1           | Screen                       |
| 4           |                    | 1           | Disc, Arc ●                              | 11          | 89-7561            | 1           | Seal, Check, Com             |
| 5           | 9-5210             | 1           | Body, Shrub                              | 12          | 9-5211             | 1           | Seal                         |
| 6           | 35-8580            | 1           | Drive Assy., 340/Xp300                   | 13          | 89-6094            | 1           | Threaded Insert, 3/4" & 1/2" |
| 7           | 89-6929            | 1           | Stator Assy., Shrub                      | 14          |                    | 1           | Base, Shrub ●                |

● Not serviced separately

340 Lawn

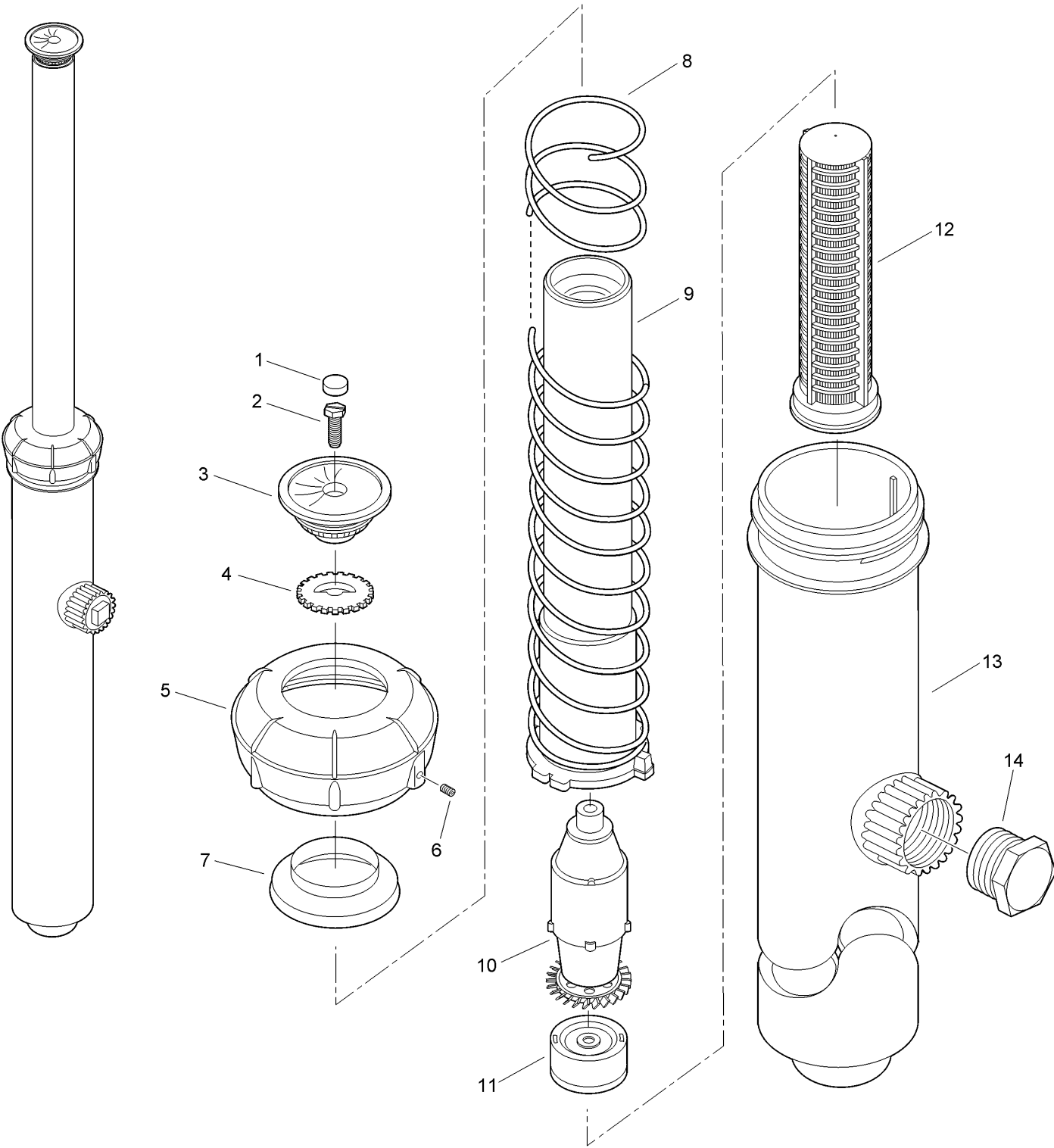


## 340 Lawn (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                             |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------------|
| 1           |                    | 1           | Plug, Cap, Nozzle ●                      | 9           | 35-8580            | 1           | Drive Assy., 340/Xp300                                                         |
| 2           | 360-0272           | 1           | Screw                                    | 10          | 89-9761            | 1           | Stator Assy., Variable, 340                                                    |
| 3           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 & 2) ● |             |                    |             | (Includes Service 89-1918<br>[stator Housing] & 89-1919<br>[stator Diaphragm]) |
| 4           |                    | 1           | Disc, Arc ●                              | 11          | 89-2036            | 1           | Screen, Basket                                                                 |
| 5           | 35-8962            | 1           | Cap, Lawn                                | 12          | 89-9841            | 1           | Seal, Check                                                                    |
| 6           | 89-2037            | 1           | Seal, Riser                              | 13          | 9-1661             | 1           | Body                                                                           |
| 7           | 89-2039            | 1           | Spring, Return                           |             |                    |             |                                                                                |
| 8           | 89-2035            | 1           | Riser                                    |             |                    |             |                                                                                |

● Not serviced separately

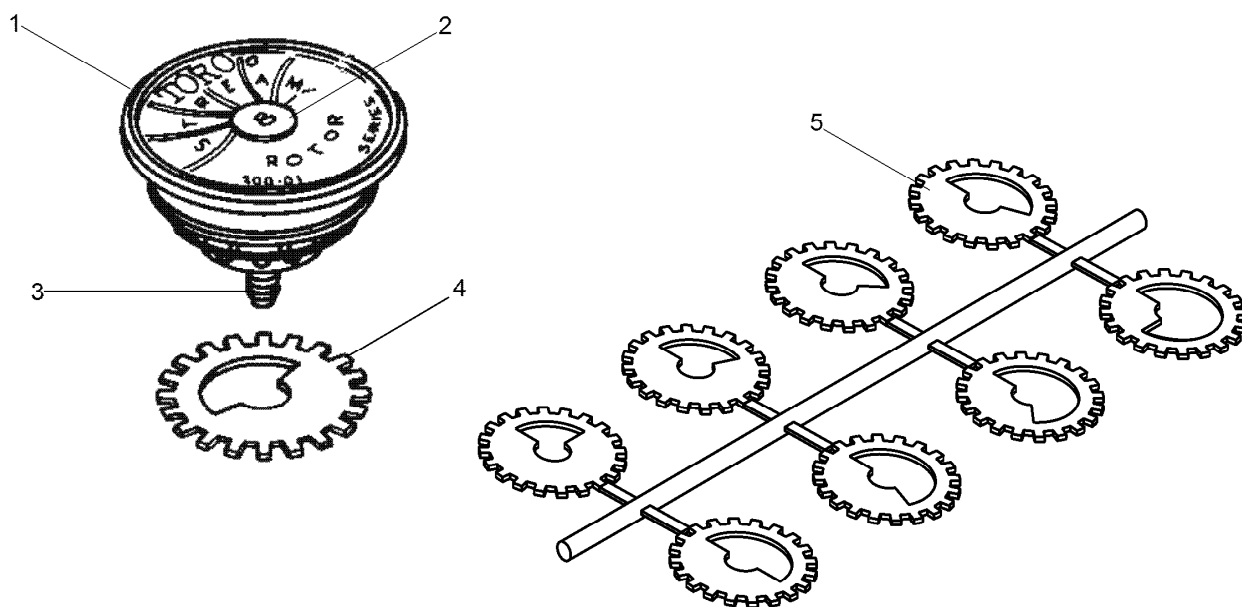
340 High-pop



## 340 High-pop (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|-------------------------------------------|-------------|--------------------|-------------|------------------------|
| 1           |                    | 1           | Plug, Cap, Nozzle ●                       | 7           | 9-4572             | 1           | Seal, Riser            |
| 2           | 360-0272           | 1           | Screw                                     | 8           | 35-7579            | 1           | Spring, Retraction     |
| 3           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 & 2) ●  | 9           | 9-4570             | 1           | Riser                  |
| 4           |                    | 1           | Disc, Arc ●                               | 10          | 35-8580            | 1           | Drive Assy., 340/Xp300 |
| 5           | 35-0481            |             | Cap Assy., High-Pop,<br>(Includes Item 6) | 11          | 9-5683             | 1           | Stator Assy.           |
| 6           | 360-0223           | 1           | Screw-Set, Half-Dog Point,<br>6-32 X 1/4" | 12          | 9-4571             | 1           | Screen, Basket         |
|             |                    |             |                                           | 13          | 89-1960            | 1           | Body                   |
|             |                    |             |                                           | 14          | 363-3779           | 1           | Plug, 3/4" Npt Male    |

● Not serviced separately



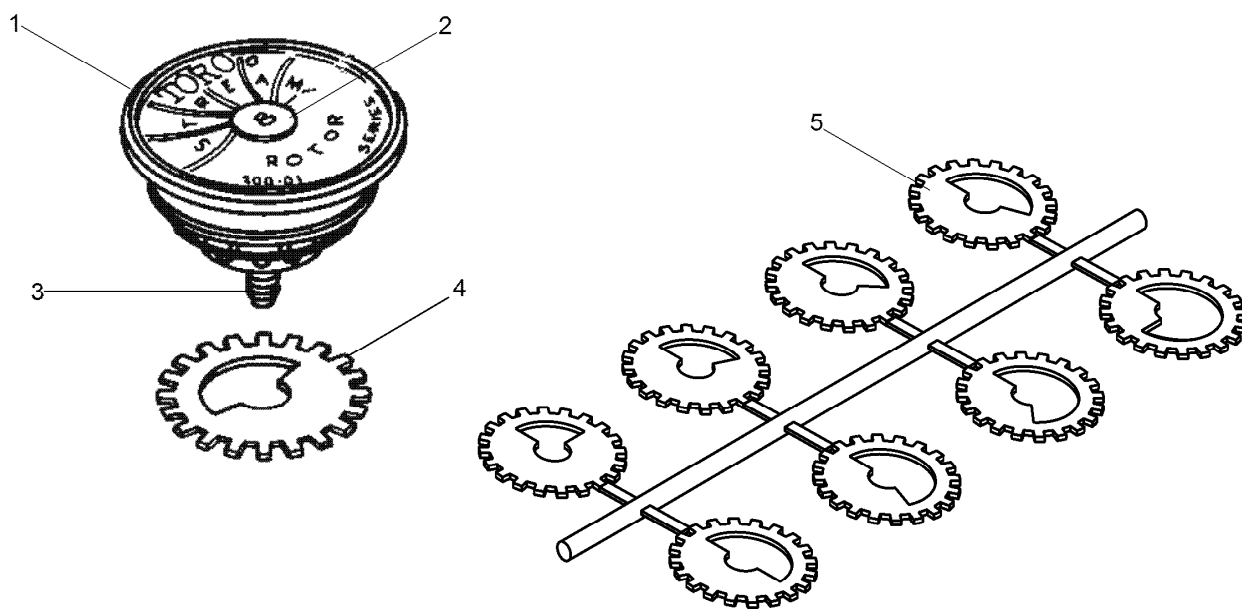
## 300 and 340 Series Nozzles

| Ref. | Part Number | Qty. | Description                                                                             |
|------|-------------|------|-----------------------------------------------------------------------------------------|
| 1    | 300-11      | 1    | Nozzle Assy., 01 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-12      | 1    | Nozzle Assy., 02 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-13      | 1    | Nozzle Assy., 03 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-63-1    | 1    | Nozzle Assy., 63 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-93-1    | 1    | Nozzle Assy., 93 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-21      | 1    | Nozzle Assy., 01 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■                     |
| 1    | 300-22      | 1    | Nozzle Assy., 02 W/Blank Cap Plug Nozzle, Bag Of 50 (Adjustable) (Includes Items 1-3) ■ |
| 1    | 300-23      | 1    | Nozzle Assy., 03 W/Blank Cap Plug Nozzle, Bag Of 50 (Includes Items 1-3) ■              |

| Ref. | Part Number | Qty. | Description                                                           |
|------|-------------|------|-----------------------------------------------------------------------|
| 1    | 300-63-12   | 1    | Nozzle Assy., 63 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■   |
| 1    | 300-93-12   | 1    | Nozzle Assy., 93 W/Blank Cap Plug, Bag Of 50 (Includes Items 1-3) ■   |
| 1    | 300-15      | 1    | Adjustable Stream Rotor Omni Nozzle, Bag Of 25 (Adjustable) ■         |
| 1    | 300-25      | 1    | Adjustable Stream Rotor Omni Nozzles Nozzle, Bag Of 25 (Adjustable) ■ |
| 1    | 89-1309     | 1    | Cover, Cap, Omni Nozzle Nozzle (Adjustable)                           |
| 2    | 9-7048      | 1    | Plug, Cap, Nozzle, Blank                                              |
| 2    | 89-7889     | 1    | Plug, Cap, Nozzle, Effluent, Lavender                                 |
| 3    | 360-0272    | 1    | Screw                                                                 |
| 4    | 304-00      | 1    | Disc, Arc, 90°, Bag Of 25 ■                                           |
| 4    | 305-00      | 1    | Disc, Arc, 112°, Bag Of 10 ■                                          |
| 4    | 306-00      | 1    | Disc, Arc, 135°, Bag Of 10 ■                                          |
| 4    | 307-00      | 1    | Disc, Arc, 157°, Bag Of 10 ■                                          |
| 4    | 308-00      | 1    | Disc, Arc, 180°, Bag Of 25 ■                                          |
| 4    | 309-00      | 1    | Disc, Arc, 202°, Bag Of 10 ■                                          |
| 4    | 310-00      | 1    | Disc, Arc, 225°, Bag Of 10 ■                                          |

● Not illustrated

■ Order Through Finished Goods Distribution System - Minneapolis



## 300 and 340 Series Nozzles (continued)

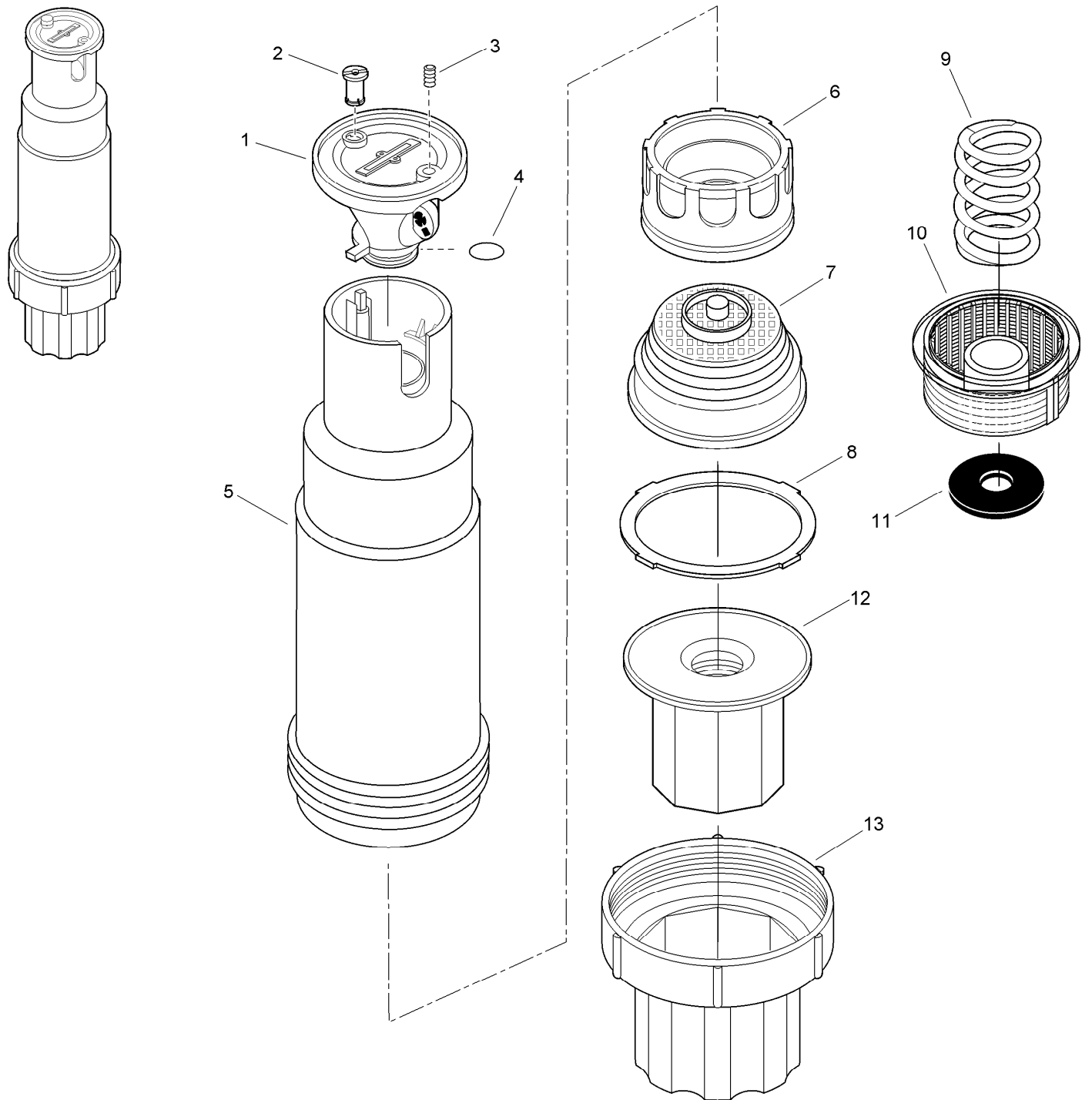
| Ref. | Part Number | Qty. | Description                                     |
|------|-------------|------|-------------------------------------------------|
| 4    | 312-00      | 1    | Disc, Arc, 270°, Bag Of 10 ■                    |
| 4    | 316-00      | 1    | Disc, Arc, 360°, Bag Of 25 ■                    |
| 5    | 340-09-SK   | 1    | Tree, Plastic Arc Disc<br>(Includes All Disc) ■ |
|      | 89-7853     | 1    | Omni Nozzle Cover (Use<br>With 300-15) ■●       |

| Ref. | Part Number | Qty. | Description                                 |
|------|-------------|------|---------------------------------------------|
|      | 89-7854     | 1    | Omni Nozzle Cover (Use<br>With 300-25) ■●   |
|      | 89-7889     | 1    | Plug, Cap, Nozzle, Effluent,<br>Lavender ■● |

● Not illustrated

■ Order Through Finished Goods Distribution System - Minneapolis

# S700 Shrub





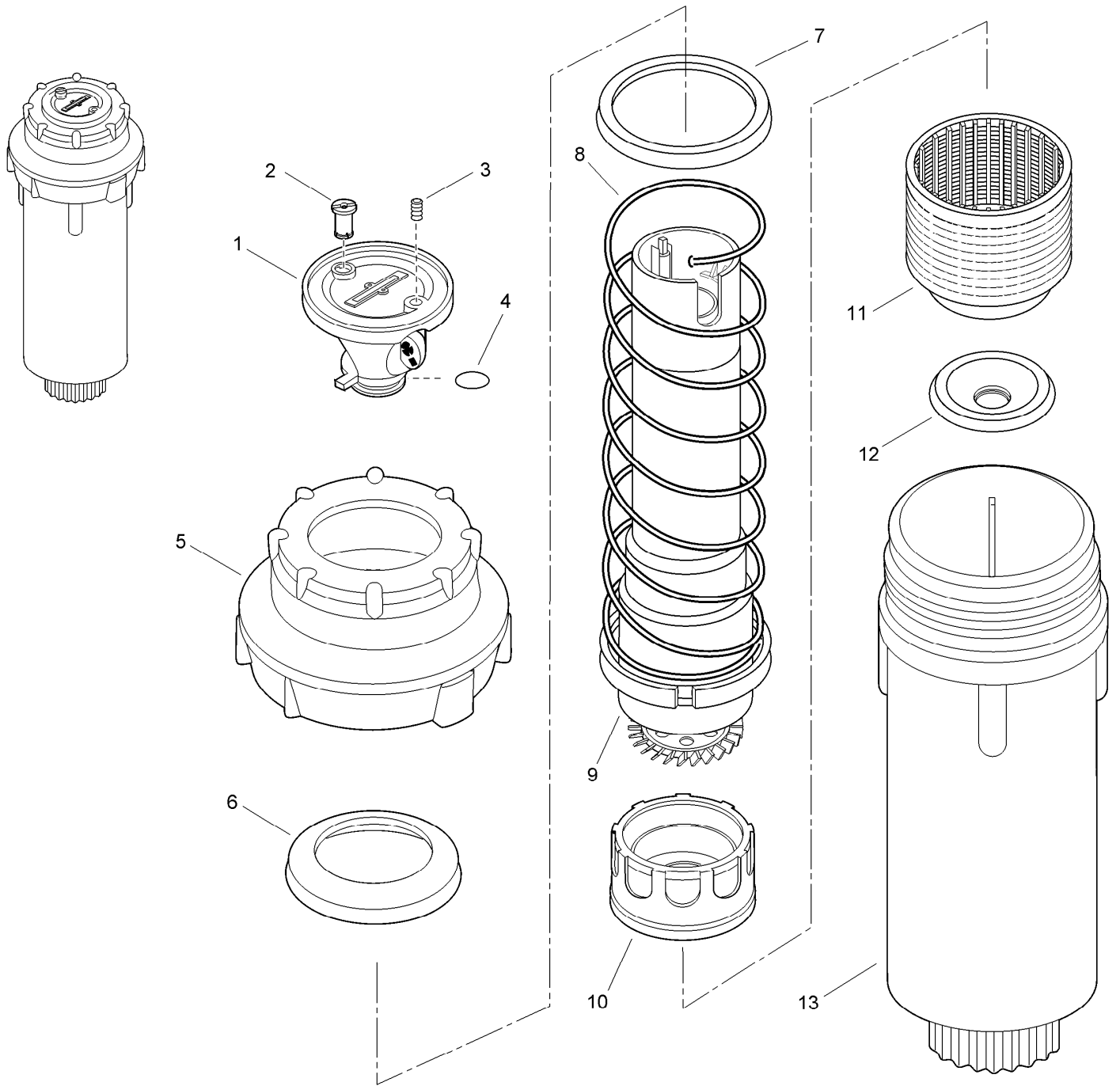
## S700 Shrub (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|--------------------------------------------|-------------|--------------------|-------------|------------------------------|
| 1           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 4) ■     | 6           | 35-6323            | 1           | Stator Assy., Variable ●     |
| 2           |                    | 1           | Lock, Nozzle Pin ■                         | 7           | 89-1161            | 1           | Screen, S700 Shrub ●         |
| 3           |                    | 1           | Screw, Set, Half-Dog, 6-32<br>X 1/4" ■     | 8           | 9-5211             | 1           | Seal                         |
| 4           |                    | 1           | O-Ring, .070" X .426" X<br>.566" (White) ■ | 9           | 102-0580           | 1           | Spring, Com ●                |
| 5           | 35-8922            | 1           | Body Assembly ●                            | 10          | 102-0576           | 1           | Screen, Com ●                |
|             |                    |             |                                            | 11          | 89-7561            | 1           | Seal, Check, Com             |
|             |                    |             |                                            | 12          | 89-6094            | 1           | Threaded Insert, 3/4" & 1/2" |
|             |                    |             |                                            | 13          | 89-8305            | 1           | Base, Shrub                  |

● No longer available

■ Not serviced separately

# S700 Lawn



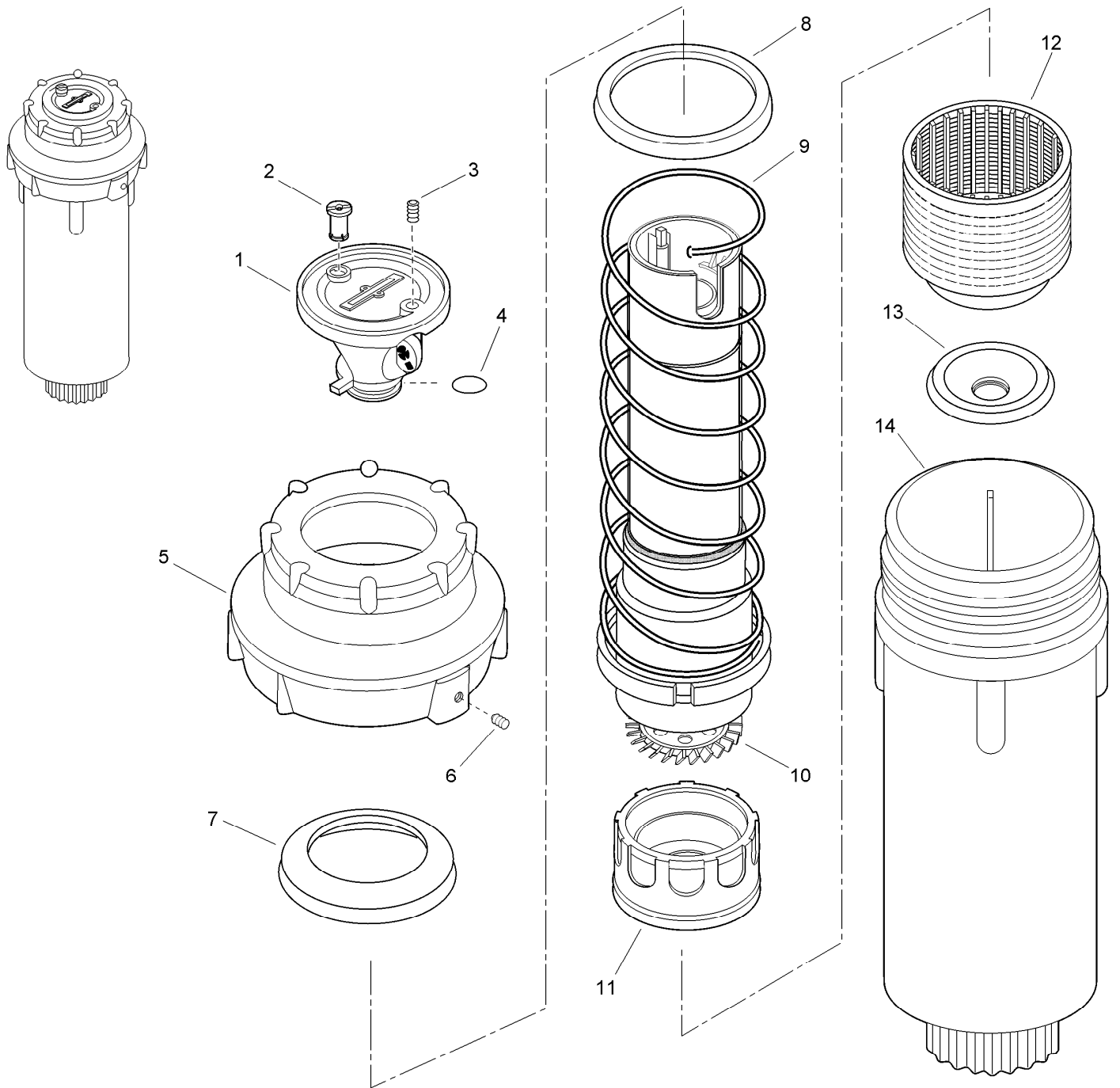
## S700 Lawn (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        |
|-------------|--------------------|-------------|-----------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------------------|
| 1           |                    | 1           | Nozzle Assy. (Includes<br>Items 1 4) ♦        | 10          | 35-6323            | 1           | Stator Assy., Variable ▲                                                  |
| 2           |                    | 1           | Lock, Nozzle Pin ♦                            | 11          | 9-1691             | 1           | Screen                                                                    |
| 3           |                    | 1           | Screw, Set, Half-Dog, 6-32<br>X 1/4" ♦        | 12          | 89-0266            | 1           | Check Valve (Com Models<br>Only)                                          |
| 4           |                    | 1           | O-Ring, 0.070" X 0.426" X<br>0.566" (White) ♦ | 13          | 9-1661<br>89-0323  | 1           | Body ▲<br>Cover, Nozzle (For Use With<br>Non-Locking Nozzles Only)<br>● ■ |
| 5           | 35-8962            | 1           | Cap, Lawn                                     |             | 89-0805            |             | Restrictor, Low Pressure ● ■                                              |
| 6           | 35-3145            | 1           | Seal, Riser                                   |             | 89-3816            |             | Cover, Lavender,<br>Xp300/S600/S700 (Inserts<br>In Top Of Nozzle) ● ■     |
| 7           | 89-0995            | 1           | Sleeve, Spring                                |             |                    |             |                                                                           |
| 8           | 35-4508            | 1           | Spring, Retraction ▲                          |             |                    |             |                                                                           |
| 9           | 35-8912            | 1           | Riser Assembly ▲                              |             |                    |             |                                                                           |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
♦ Not serviced separately

# S700 Commercial



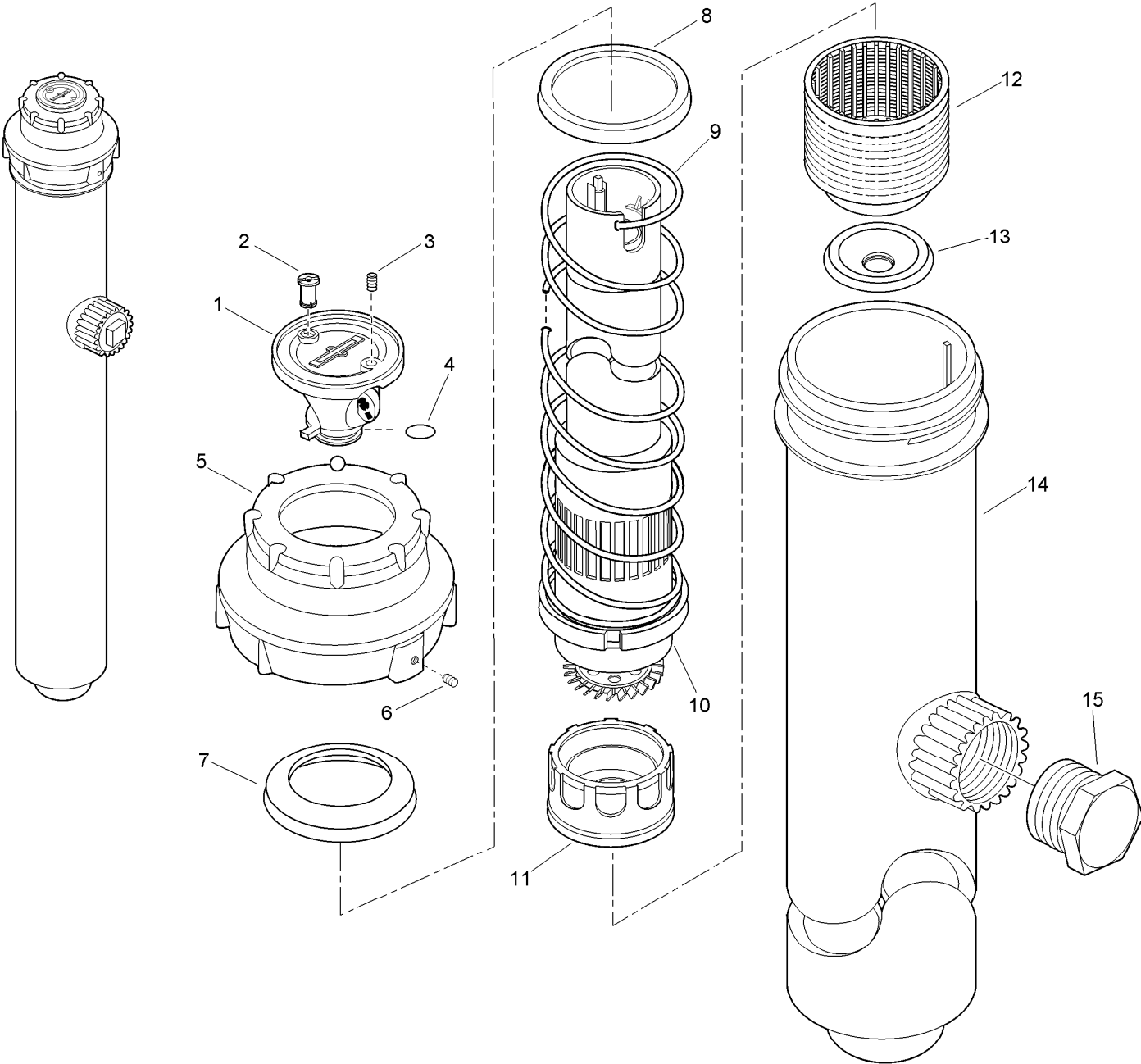
## S700 Commercial (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                    |
|-------------|--------------------|-------------|-----------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------|
| 1           |                    | 1           | Nozzle Assy. (Includes<br>Items 1-4) ♦              | 11          | 35-6323            | 1           | Stator Assy., Variable ▲                                              |
| 2           |                    | 1           | Lock, Nozzle Pin ♦                                  | 12          | 9-1691             | 1           | Screen                                                                |
| 3           |                    | 1           | Screw, Set, Half-Dog, 6-32<br>X 1/4" ♦              | 13          | 89-0266            | 1           | Check Valve                                                           |
| 4           |                    |             | O-Ring, 0.070" X 0.426" X<br>0.566" (White) ♦       | 14          | 9-1661             | 1           | Body ▲                                                                |
| 5           | 35-8963            | 1           | Cap Assy., 700C Locking                             |             | 89-0323            |             | Cover, Nozzle (For Use With<br>Non-Locking Nozzles Only)<br>■ ●       |
| 6           | 360-0223           | 1           | Screw-Set, Half-Dog Point,<br>6-32 X 1/4, El And Pr |             | 89-0805            |             | Restrictor, Low Pressure ■ ●                                          |
| 7           | 35-8964            | 1           | Seal, Riser (S700C) ▲                               |             | 89-3816            |             | Cover, Lavender,<br>Xp300/S600/S700 (Inserts<br>In Top Of Nozzle) ■ ● |
| 8           | 89-0995            | 1           | Sleeve, Spring                                      |             |                    |             |                                                                       |
| 9           | 89-0122            | 1           | Spring, Retraction ▲                                |             |                    |             |                                                                       |
| 10          | 35-8931            | 1           | Riser Assembly (W/<br>Stainless Steel Sleeve)<br>▲  |             |                    |             |                                                                       |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
♦ Not serviced separately

S700 High Pop



## S700 High Pop (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                   |
|-------------|--------------------|-------------|-----------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------|
| 1           |                    | 1           | Nozzle Assy. (Includes<br>Items 1-4) ♦              | 11          | 35-6323            | 1           | Stator Assy., Variable ▲                                             |
| 2           |                    | 1           | Lock, Nozzle Pin ♦                                  | 12          | 9-1691             | 1           | Screen                                                               |
| 3           |                    | 1           | Screw, Set, Half-Dog, 6-32<br>X 1/4" ♦              | 13          | 89-0266            | 1           | Check Valve                                                          |
| 4           |                    | 1           | O-Ring, 0.070" X 0.426" X<br>0.566" (White) ♦       | 14          | 89-1960            | 1           | Body ▲                                                               |
| 5           | 89-0111            | 1           | Cap, 700 Locking                                    | 15          | 363-3779           | 1           | Plug, 3/4" Npt Male ▲                                                |
| 6           | 360-0223           | 1           | Screw-Set, Half-Dog Point,<br>6-32 X 1/4, El And Pr |             | 700-10             |             | Kit, Cover, Rubber ●■                                                |
| 7           | 35-3145            | 1           | Seal, Riser                                         |             | 89-0323            |             | Cover, Nozzle (For Use With<br>Non-Locking Nozzles Only)<br>□■       |
| 8           | 89-0995            | 1           | Sleeve, Spring ▲                                    |             | 89-0805            |             | Restrictor, Low Pressure ●■                                          |
| 9           | 35-5196            | 1           | Spring, Retraction ▲                                |             | 89-3816            |             | Cover, Lavender,<br>Xp300/S600/S700 (Inserts<br>In Top Of Nozzle) ●■ |
| 10          | 35-8916            | 1           | Riser Assembly ▲                                    |             |                    |             |                                                                      |

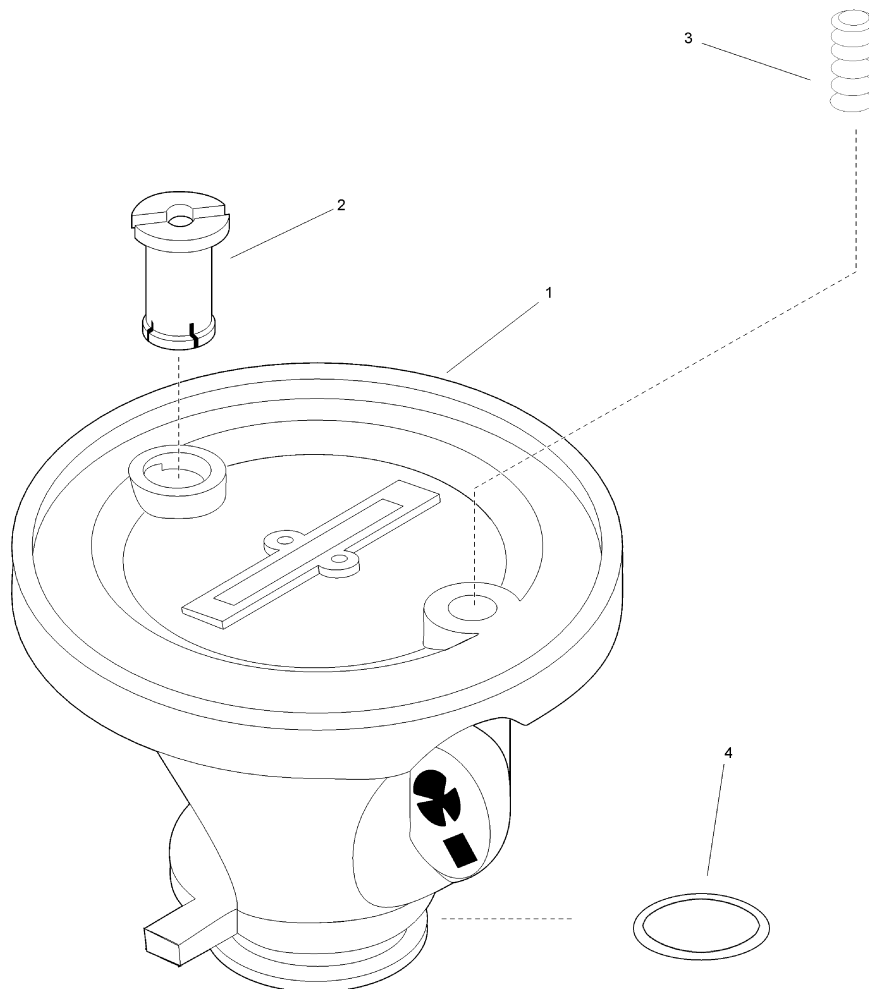
● SERVICE ITEMS

▲ No longer available

□ (See Service Items: Nozzle/Stator Assy.)

■ Not illustrated

♦ Not serviced separately

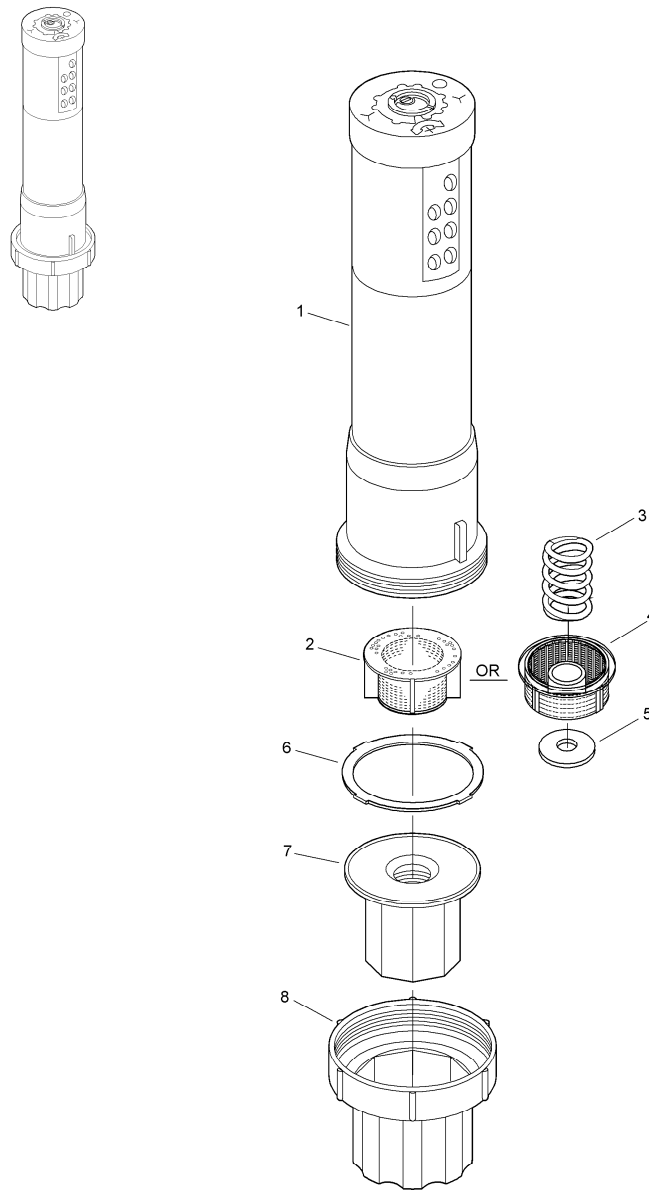


## S700 Nozzles

| Ref. | Part Number | Qty. | Description                                      |
|------|-------------|------|--------------------------------------------------|
| 1    | 89-0893L-SK | 1    | Kit, Nozzle, 1.5, Orange (Includes Items 2-4)    |
| 1    | 89-0894L-SK | 1    | Kit, Nozzle, 2.0, Red (Includes Items 2-4)       |
| 1    | 89-0895L-SK | 1    | Kit, Nozzle, 3.0, Black (Includes Items 2-4)     |
| 1    | 89-0896L-SK | 1    | Kit, Nozzle, 4.5, Blue (Includes Items 2-4)      |
| 1    | 89-0897L-SK | 1    | Kit, Nozzle, 6.0, Blue (Includes Items 2-4)      |
| 2    | 89-3003     | 1    | Lock, Nozzle Pin, Standard Angle, Black ●        |
| 3    | 360-0223    | 1    | Screw-Set, Half-Dog Point, 6-32 X 1/4, El And Pr |
| 4    | 360-0494    | 1    | O-Ring                                           |

● Not serviced separately





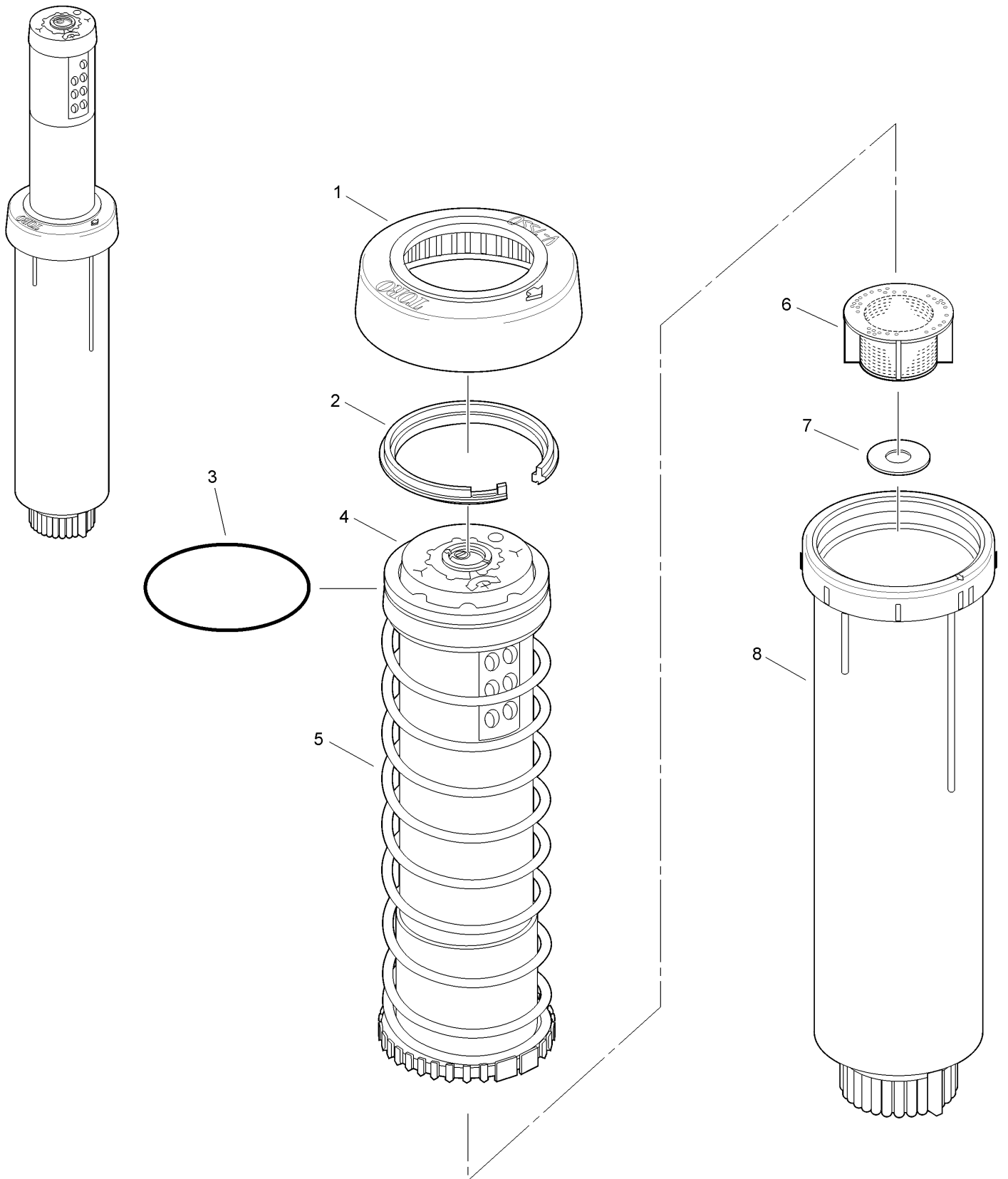
## V-1550-Shrub

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    |             | 1    | Body Assembly ♦              |
| 2    | 89-5847     | 1    | Screen                       |
| 3    | 102-0581    | 1    | Spring, Com ▲                |
| 4    | 102-0576    | 1    | Screen, Com                  |
| 5    | 89-7561     | 1    | Seal, Check, Com             |
| 6    | 9-5211      | 1    | Seal                         |
| 7    | 89-6094     | 1    | Threaded Insert, 3/4" & 1/2" |
| 7    | 102-0577    | 1    | Threaded Insert, 3/4"        |
| 8    | 89-8305     | 1    | Base, Shrub                  |
|      | 89-7350     |      | Adjustment Key ●■            |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
♦ Not serviced separately

# V-1550-4 components



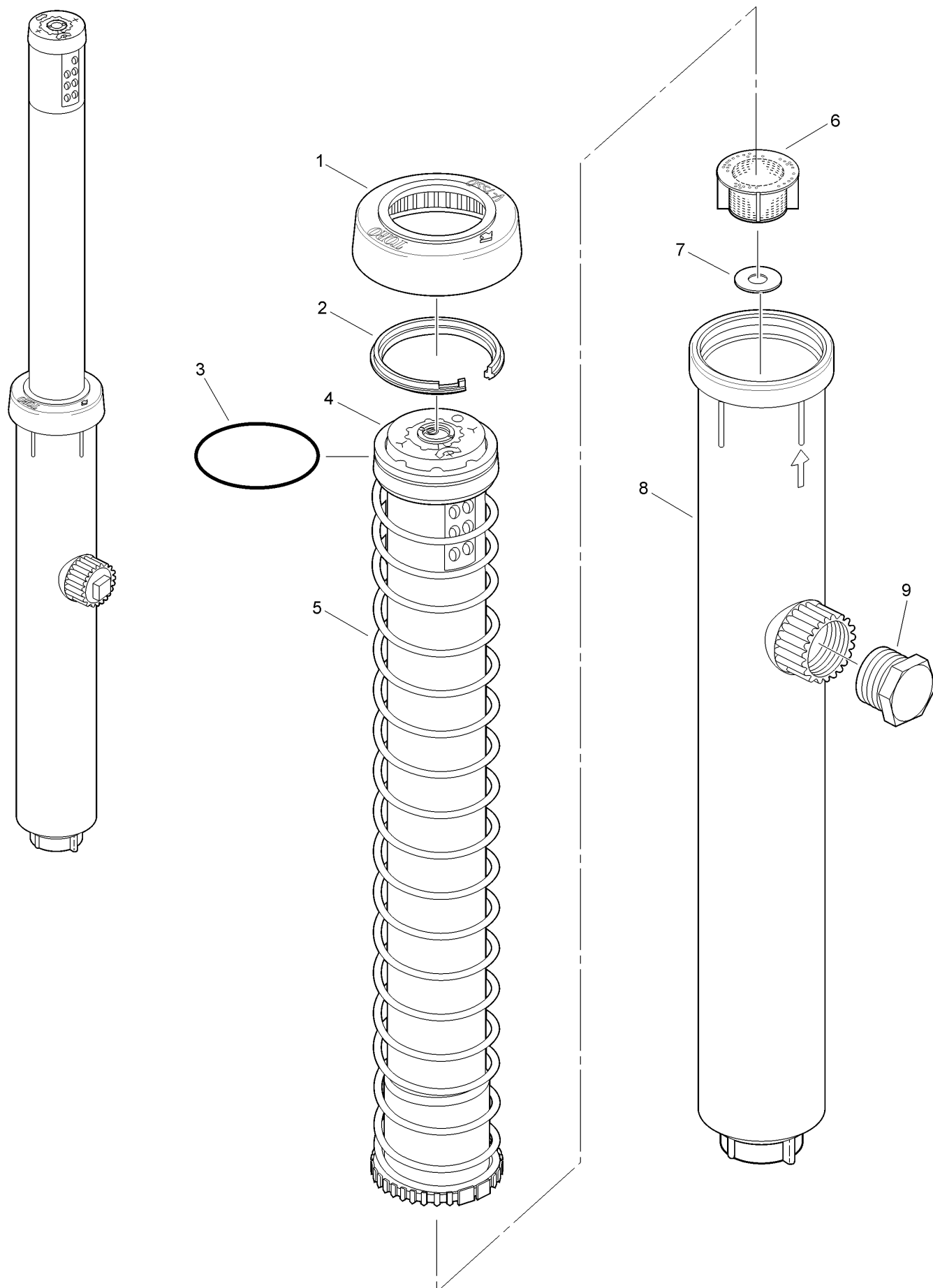
## V-1550-4 components (continued)

| Ref. | Part Number | Qty. | Description                        | Ref. | Part Number | Qty. | Description                                                       |
|------|-------------|------|------------------------------------|------|-------------|------|-------------------------------------------------------------------|
| 1    | 89-5840     | 1    | Rubber Cover, Body                 |      | 102-3808    | 1    | Spring Retainer & Seal Kit, V1550 ●■                              |
| 1    | 89-7857     | 1    | Rubber Cover, Body, Effluent       |      | 102-2247    | 1    | Retainer W/ O-Ring (Includes 3 And 4) ●■                          |
| 2    | 89-8657     | 1    | Snap Ring                          |      | 102-2798    | 1    | V-1550-4Flfp Riser Assy. (Full Circle, Low Flow, Low Pressure) ●■ |
| 3    | 363-4195    | 1    | O-Ring                             |      | 102-2799    | 1    | V-1550-4Lflp Riser Assy. (Part Circle, Low Flow, Low Pressure) ●■ |
| 4    |             | 1    | Retainer (See Service Items) ◆▲    |      | 89-7350     |      | Adjustment Key ●■                                                 |
| 5    |             | 1    | Riser Assy. (See Service Items) ◆▲ |      | 995-83      |      | Multi-Purpose Tool ●■                                             |
| 6    | 89-5847     | 1    | Screen                             |      |             |      |                                                                   |
| 7    | 89-7561     | 1    | Seal, Check, Com                   |      |             |      |                                                                   |
| 8    | 89-8658     | 1    | Body ▲                             |      |             |      |                                                                   |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
◆ Not serviced separately

# V-1550-12



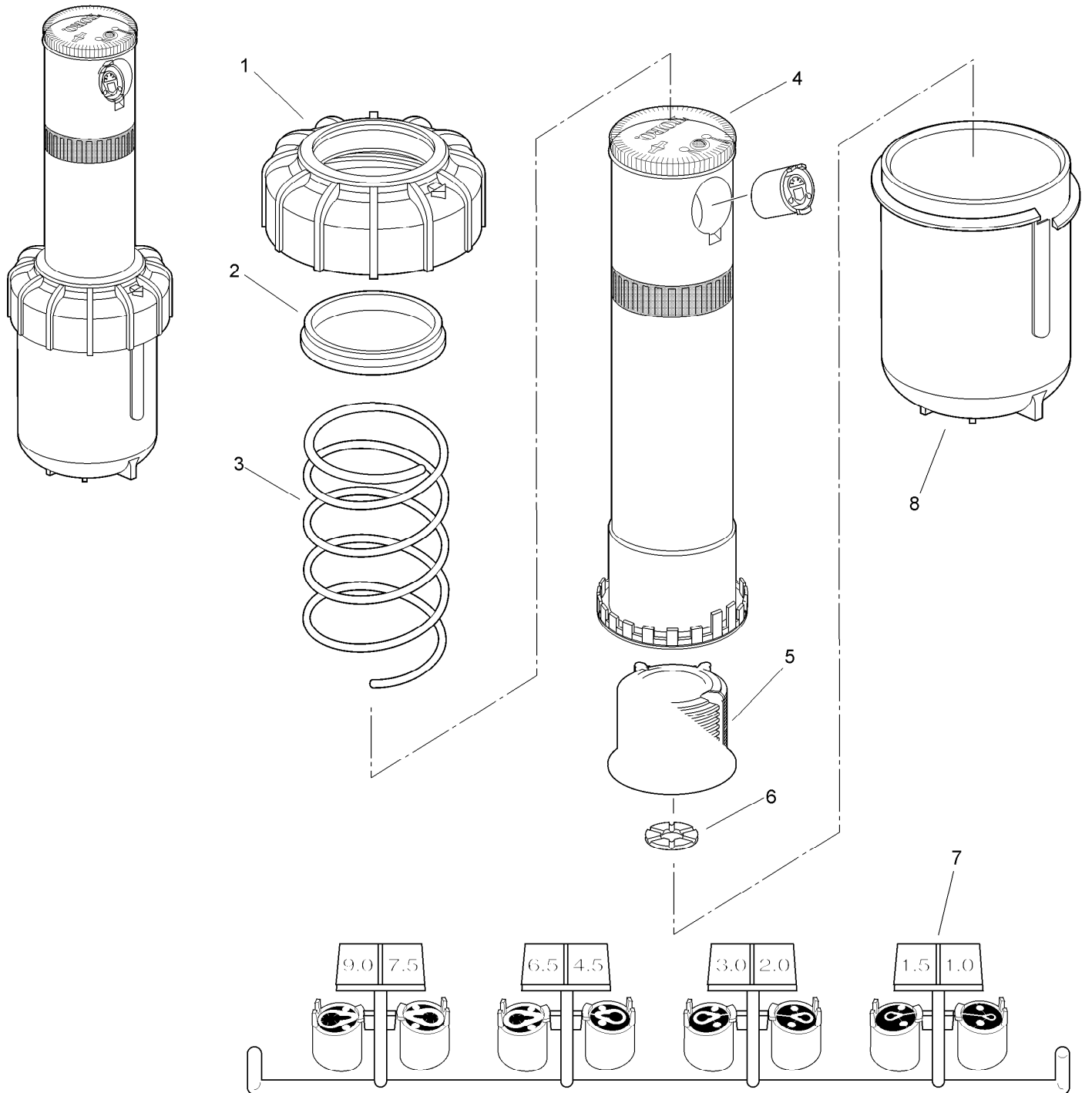
## V-1550-12 (continued)

| Ref. | Part Number | Qty. | Description                            | Ref. | Part Number | Qty. | Description                                   |
|------|-------------|------|----------------------------------------|------|-------------|------|-----------------------------------------------|
| 1    | 89-5840     | 1    | Rubber Cover, Body                     |      | 102-2247    | 1    | Retainer W/ O-Ring                            |
| 1    | 89-7857     | 1    | Rubber Cover, Body, Effluent           |      |             |      | (Includes Items 3 And 4)                      |
| 2    | 89-8657     | 1    | Snap Ring                              |      | 102-2800    | 1    | V-1550-12Flfp Riser Assy.                     |
| 3    | 363-4195    | 1    | O-Ring                                 |      |             |      | (Full Circle, Low Flow, Low Pressure)         |
| 4    |             | 1    | Retainer (See Service Items) ♦ ▲       |      | 102-2801    | 1    | V-1550-12Lflp Riser Assy.                     |
| 5    |             | 1    | Riser Assembly (See Service Items) ♦ ▲ |      |             |      | (Part Circle, Low Flow, Low Pressure)         |
| 6    | 89-9428     | 1    | Screen                                 |      | 89-5877     | 1    | V-1550-12 Riser Assy. (Part Circle, Standard) |
| 7    | 89-7561     | 1    | Seal, Check                            |      | 89-7657     | 1    | V-1550-12F Riser Assy.                        |
| 8    | 89-5972     | 1    | Body ▲                                 |      |             |      | (Full Circle, Standard)                       |
| 9    | 363-3779    | 1    | Plug, 3/4" Npt Male                    |      | 89-7350     |      | Adjustment Key ● ■                            |
|      | 102-3808    | 1    | Spring Retainer & Seal Kit, V1550      |      | 995-83      |      | Multi-Purpose Tool ● ■                        |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
♦ Not serviced separately

# TR50 Shrub



## TR50 Shrub (continued)

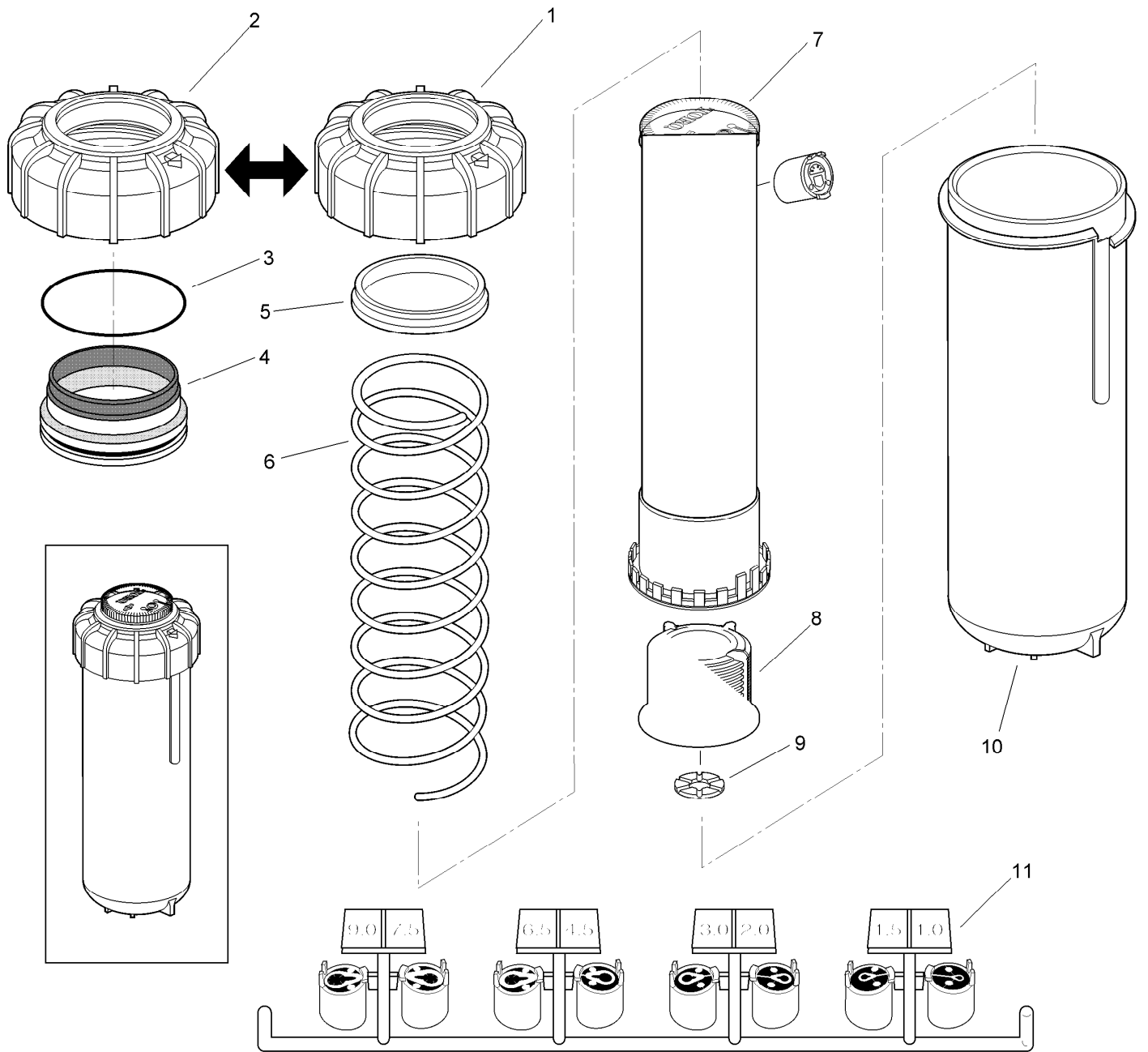
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 89-9178            | 1           | Cap And Seal Assy. |
| 2           | 89-9713            | 1           | Ring, Retaining    |
| 3           |                    | 1           | Spring, Shrub ▲    |
| 4           |                    | 4           | Riser Assy. ▲      |
| 5           | 89-9182            | 1           | Screen             |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   |
|-------------|--------------------|-------------|--------------------------------------|
| 6           | 89-9183            | 1           | Seal, Check                          |
| 7           | 102-1877           | 1           | Tree, Nozzle, T7, Low Flow           |
| 8           | 102-1303           | 1           | Body, Shrub ▲<br>Adjustment Tool ● ■ |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# TR50 Lawn





## TR50 Lawn (continued)

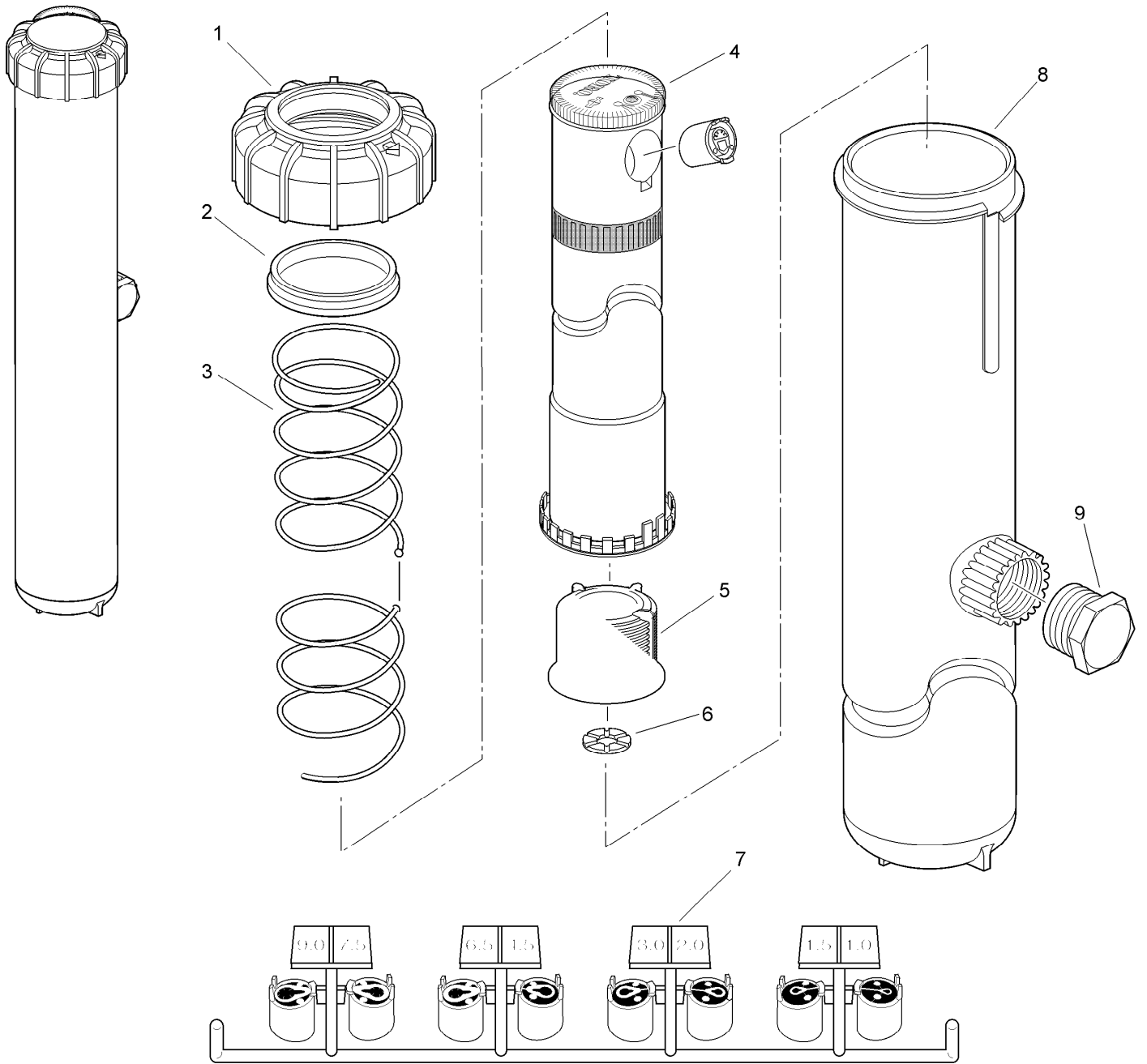
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                      |
|-------------|--------------------|-------------|-----------------------------------------|
| 1           | 89-9178            | 1           | Cap And Seal Assy.                      |
| 2           | 102-4660           | 1           | Cap, Stainless Steel Riser              |
| 3           | 363-5611           | 1           | O-Ring, Stainless Steel Riser           |
| 4           | 102-4661           | 1           | Seal W/ Retainer, Stainless Steel Riser |
| 5           | 89-9713            | 1           | Ring, Retaining                         |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|
| 6           |                    | 1           | Spring, Retraction ▲       |
| 7           |                    | 1           | Riser Assy. ▲              |
| 8           | 89-9182            | 1           | Screen                     |
| 9           | 89-9183            | 1           | Seal, Check                |
| 10          | 89-9176            | 1           | Body                       |
| 11          | 102-1877           | 1           | Tree, Nozzle, T7, Low Flow |
|             | 102-1303           |             | Adjustment Tool ●■         |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# TR50 High-pop



## TR50 High-pop (continued)

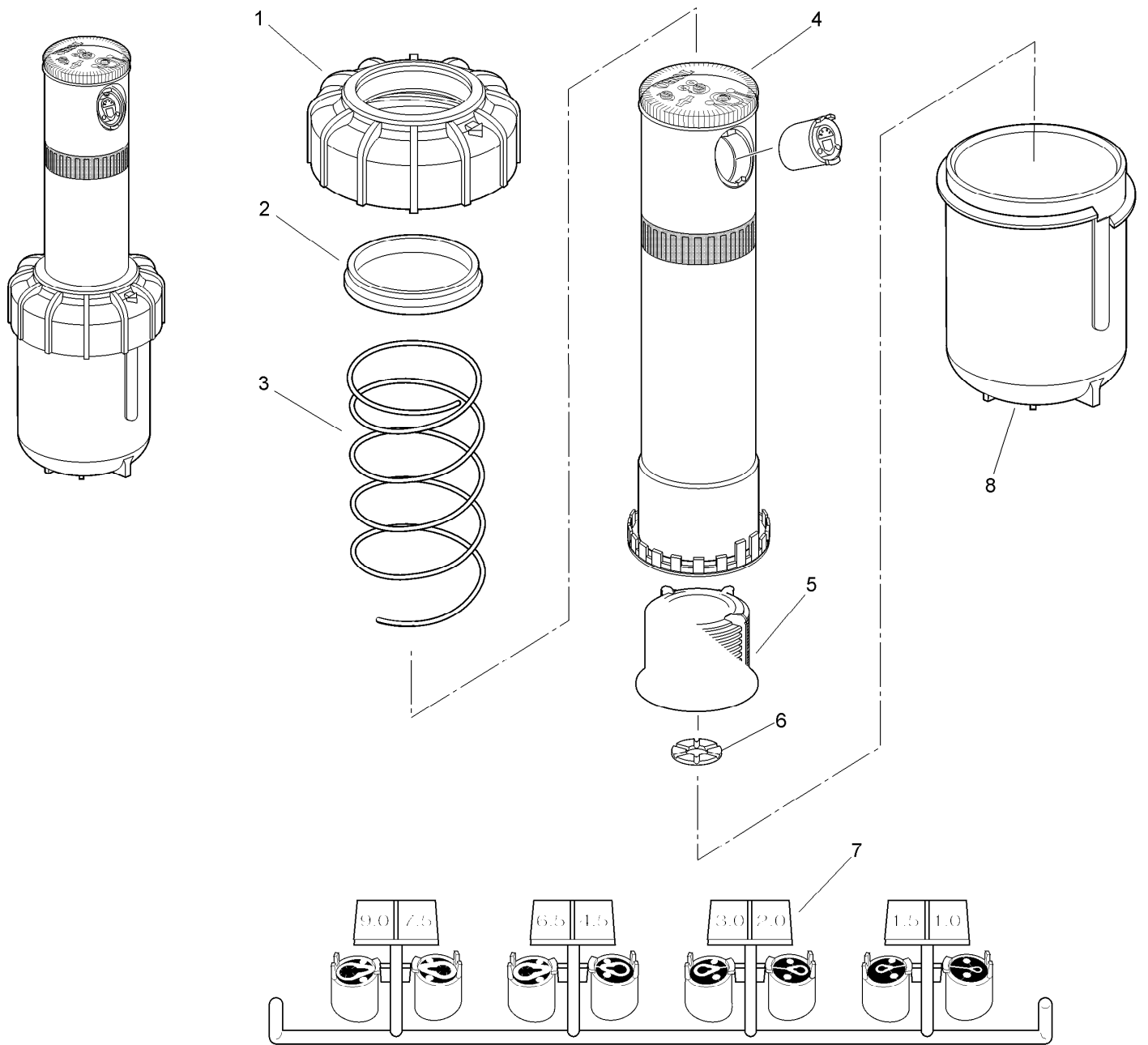
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 89-9178            | 1           | Cap And Seal Assy.   |
| 2           | 89-9713            | 1           | Ring, Retaining      |
| 3           |                    | 1           | Spring, Retraction ▲ |
| 4           |                    | 1           | Riser Assy. ▲        |
| 5           | 89-9182            | 1           | Screen               |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|
| 6           | 89-9183            | 1           | Seal, Check                |
| 7           | 102-1877           | 1           | Tree, Nozzle, T7, Low Flow |
| 8           |                    | 1           | Body Assembly ▲            |
| 9           | 363-3779           | 1           | Plug, 3/4" Npt Male        |
|             | 102-1303           |             | Adjustment Tool ●■         |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# TR50XT Shrub



## TR50XT Shrub (continued)

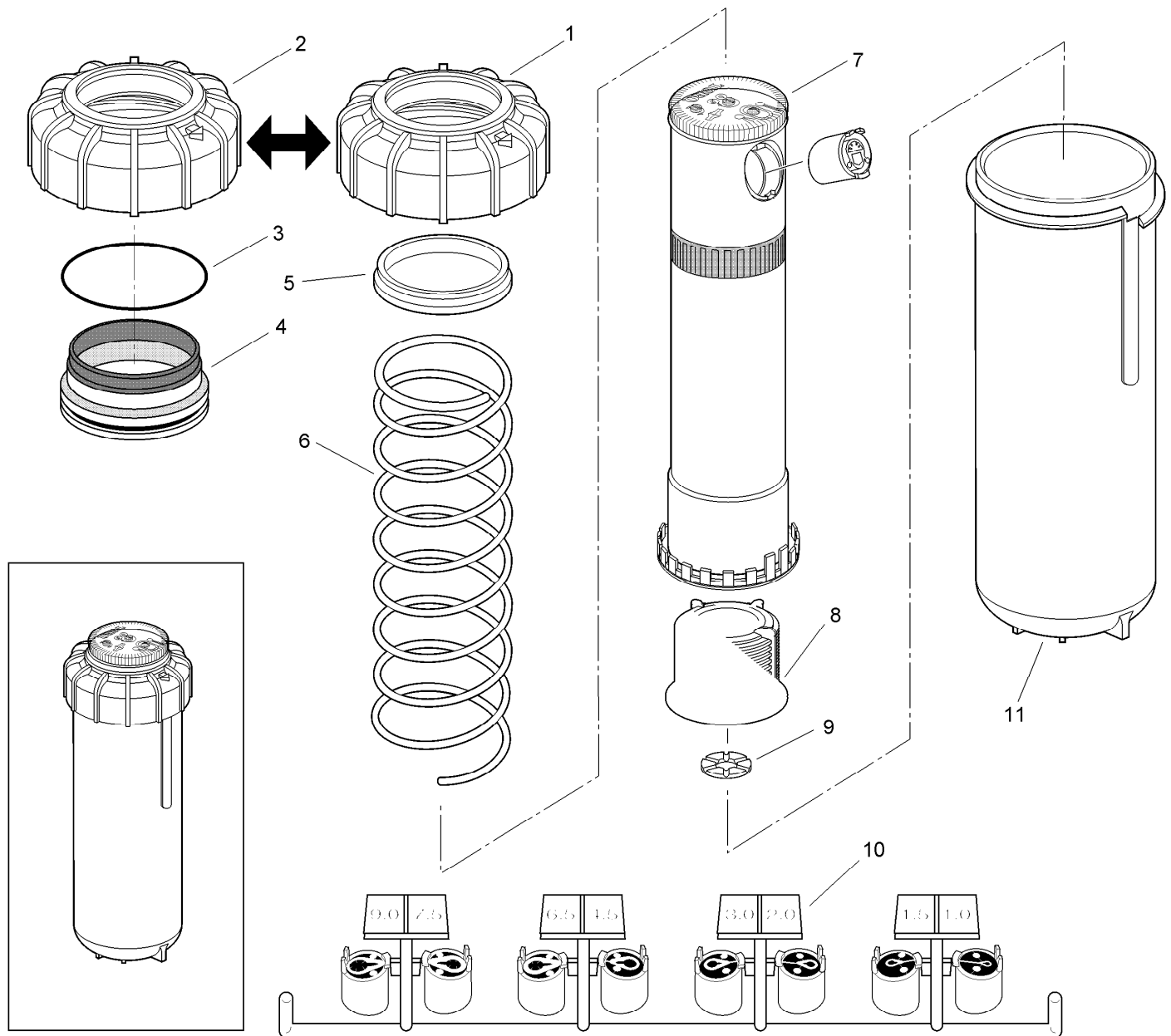
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 89-9178            | 1           | Cap And Seal Assy.   |
| 2           | 89-9713            | 1           | Ring, Retaining      |
| 3           |                    | 1           | Spring, Retraction ▲ |
| 4           |                    | 1           | Riser Assy. ▲        |
| 5           | 89-9182            | 1           | Screen               |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|
| 6           | 89-9183            | 1           | Seal, Check                |
| 7           | 102-1877           | 1           | Tree, Nozzle, T7, Low Flow |
| 8           | 89-9670            | 1           | Body, Shrub                |
|             | 102-1303           |             | Adjustment Tool ●■         |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# TR50XT Lawn



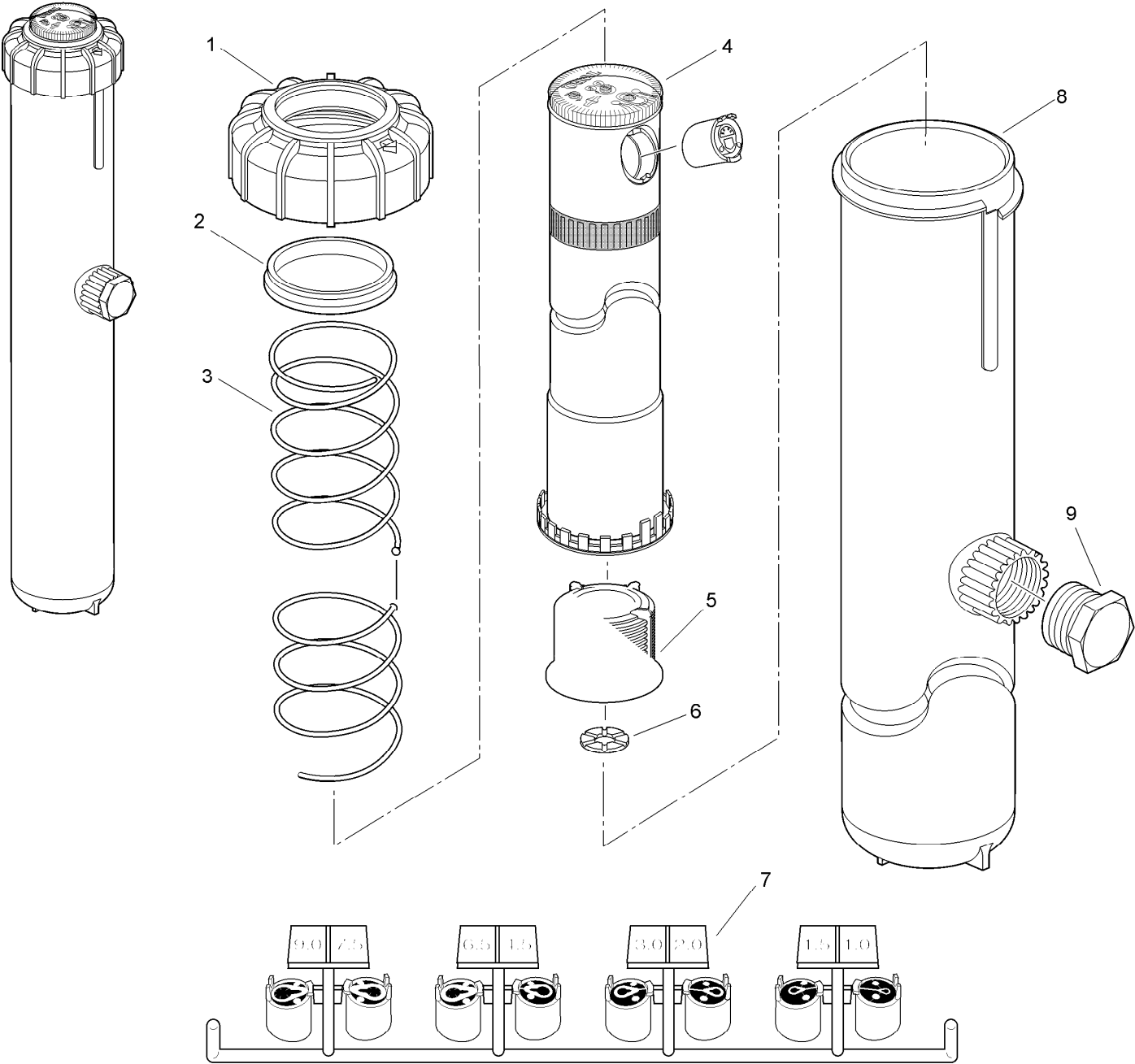
## TR50XT Lawn (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|-----------------------------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 89-9178            | 1           | Cap And Seal Assy.                      | 6           |                    | 1           | Spring, Retraction ▲       |
| 2           | 102-4660           | 1           | Cap, Stainless Steel Riser              | 7           |                    | 1           | Riser Assy. ▲              |
| 3           | 363-5611           | 1           | O-Ring, Stainless Steel Riser           | 8           | 89-9182            | 1           | Screen                     |
| 4           | 102-4661           | 1           | Seal W/ Retainer, Stainless Steel Riser | 9           | 89-9183            | 1           | Seal, Check                |
| 5           | 89-9713            | 1           | Ring, Retaining                         | 10          | 102-1877           | 1           | Tree, Nozzle, T7, Low Flow |
|             |                    |             |                                         | 11          | 89-9176            | 1           | Body                       |
|             |                    |             |                                         |             | 102-1303           |             | Adjustment Tool ●■         |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# TR50XT High-pop





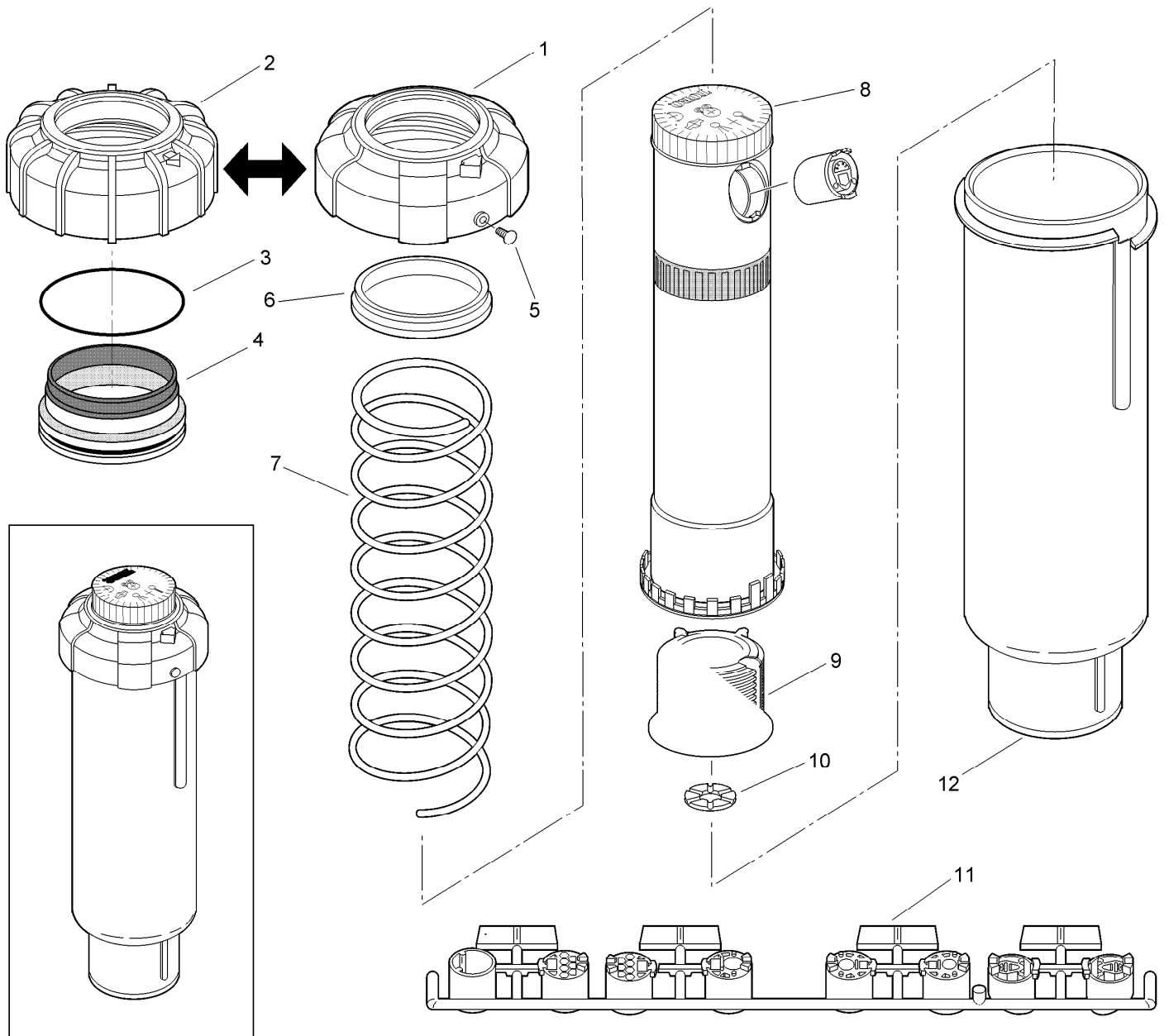
## TR50XT High-pop (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 89-9178            | 1           | Cap And Seal Assy.   | 6           | 89-9183            | 1           | Seal, Check                |
| 2           | 89-9713            | 1           | Ring, Retaining      | 7           | 102-1877           | 1           | Tree, Nozzle, T7, Low Flow |
| 3           |                    | 1           | Spring, Retraction ▲ | 8           |                    | 1           | Body Assy. ▲               |
| 4           |                    | 1           | Riser Assy. ▲        | 9           | 363-3779           | 1           | Plug, 3/4" Npt Male        |
| 5           | 89-9182            | 1           | Screen               |             | 102-1303           |             | Adjustment Tool ●■         |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# TR70P and TR70XT

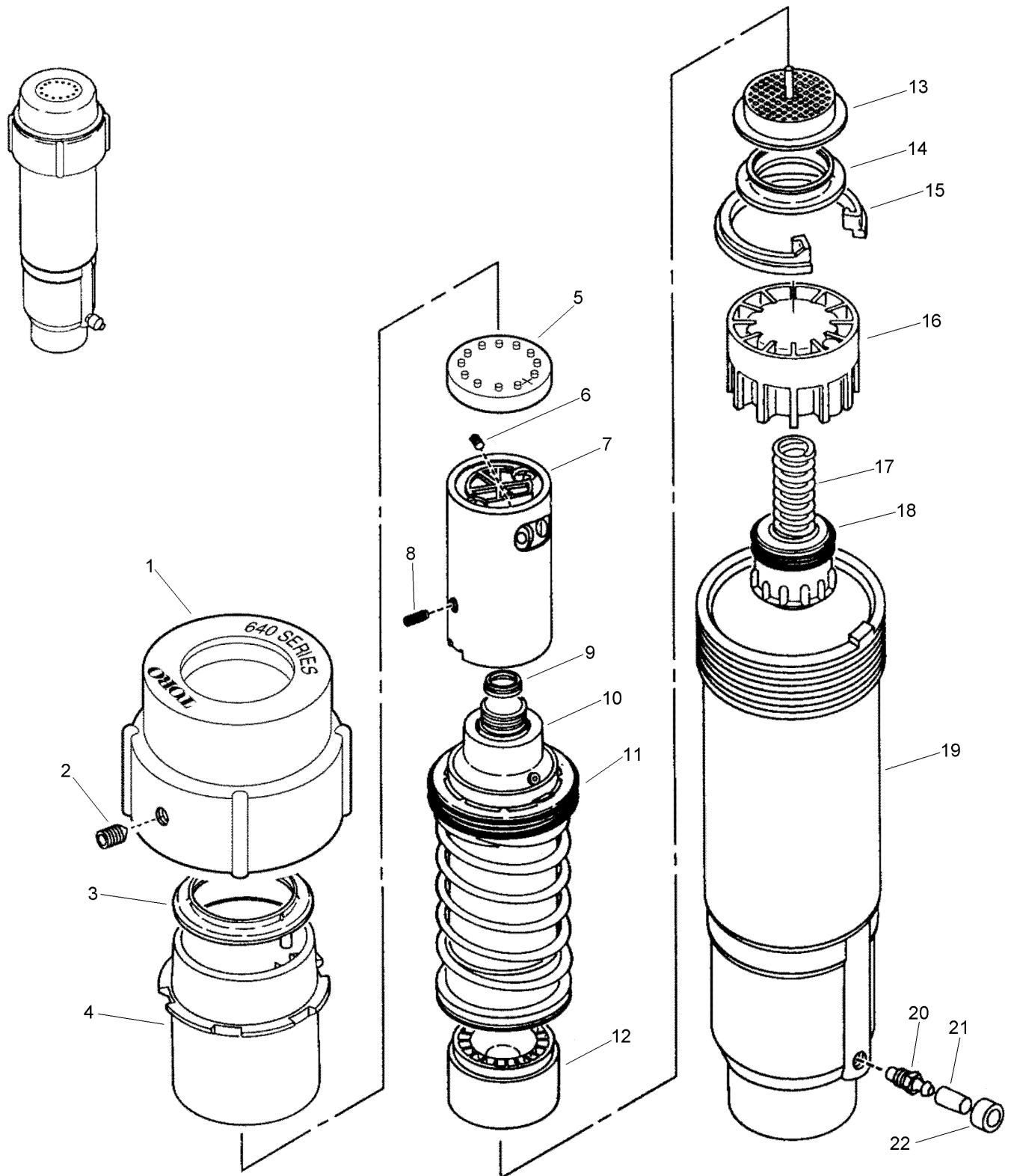


## TR70P and TR70XT (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                    |
|-------------|--------------------|-------------|-------------------------------------------|-------------|--------------------|-------------|---------------------------------------|
| 1           |                    | 1           | Cap And Seal Assembly ▲                   | 7           |                    | 1           | Spring, Retraction ▲                  |
| 2           |                    | 1           | Cap, Stainless Steel Riser ▲              | 8           |                    | 1           | Riser Assembly ▲                      |
| 3           |                    | 1           | O-Ring, Stainless Steel Riser ▲           | 9           | 89-9182            | 1           | Screen                                |
| 4           |                    | 1           | Seal W/ Retainer, Stainless Steel Riser ▲ | 10          | 89-9183            | 1           | Seal, Check                           |
| 5           | 102-2406           | 1           | Set Screw, Cap                            | 11          | 102-2633           | 1           | Tree, Nozzle, T7, Stamped, High Flow  |
| 6           |                    | 1           | Ring, Retaining ▲                         | 12          | 102-1303           | 1           | Body Assembly ▲<br>Adjustment Tool ●■ |

● SERVICE TOOLS  
▲ Not serviced separately

■ Not illustrated



## 640 (continued)

| Ref. | Part Number | Qty. | Description                                                     | Ref.    | Part Number | Qty. | Description                                                                |
|------|-------------|------|-----------------------------------------------------------------|---------|-------------|------|----------------------------------------------------------------------------|
| 1    | 89-8999     | 1    | Cap Assy., 640 Service<br>(Includes Item 2)                     | 89-1046 |             |      | Valve Assy., 1.0" Hyd., No,<br>(Includes Items 16 18) ●■                   |
| 2    | 2-9653      | 1    | Set Screw, 1/4-20                                               | 9-7271  |             |      | Adapter-Tubing, Oversized<br>Thread (Replaces Item 2) ●<br>■               |
| 3    | 3-3756      | 1    | Seal, Nozzle Container                                          | 35-4280 |             |      | Seal Assembly<br>Replacement Kit ●■                                        |
| 4    | 3-3755      | 1    | Retainer                                                        | 35-0579 |             |      | Stator Assy., Fast, #41<br>(Includes Items 12 14) ●■                       |
| 5    | 89-9000     | 1    | Rubber Cover, Nozzle (For<br>1993 Or Later Models)              | 35-1011 |             |      | Stator Assy., Fast, #42/43<br>(Includes Items 12 14) ●■                    |
| 5    | 89-9001     | 1    | Rubber Cover, Nozzle,<br>Effluent (For 1993 Or Later<br>Models) | 640-40  |             |      | #40 Nozzle/Stator Assy.<br>(Includes Items 5 9 And<br>12 14) ●■◆           |
| 6    | 360-0223    | 1    | Screw-Set, Half-Dog Point,<br>6-32 X 1/4"                       | 640-41  |             |      | #41 Nozzle/Stator Assy.<br>(Includes Items 5 9 And<br>12 14) ●■◆           |
| 7    |             | 1    | Nozzle Assy. (See Service<br>Items: Nozzle / Stator Assy.)<br>▲ | 640-42  |             |      | #42 Nozzle/Stator Assy.<br>(Includes Items 5 9 And<br>12 14) ●■◆           |
| 8    | 1-7038      | 1    | Screw, Half-Dog Point, 6-32<br>X 7/16" X 0.44                   | 640-43  |             |      | #43 Nozzle/Stator Assy.<br>(Includes Items 5 9 And<br>12 14) ●■◆           |
| 9    | 35-1075     | 1    | Seal, (Nozzle To Spindle)                                       | 640-44  |             |      | #44 Nozzle/Stator Assy.<br>(Includes Items 5 9 And<br>12 14) ●■◆           |
| 10   | 640-0045    | 1    | Drive Assy., 640, 45°◆                                          | 640-40E |             |      | #40 Nozzle/Stator Assy.,<br>Effluent (Includes Items 5 9<br>And 12 14) ●■◆ |
| 10   | 640-0060    | 1    | Drive Assy., 640, 60°◆                                          | 640-41E |             |      | #41 Nozzle/Stator Assy.,<br>Effluent (Includes Items 5 9<br>And 12 14) ●■◆ |
| 10   | 640-0090    | 1    | Drive Assy., 640, 90°◆                                          | 640-42E |             |      | #42 Nozzle/Stator Assy.,<br>Effluent (Includes Items 5 9<br>And 12 14) ●■◆ |
| 10   | 640-0180    | 1    | Drive Assy., 640, 180°◆                                         | 640-43E |             |      | #43 Nozzle/Stator Assy.,<br>Effluent (Includes Items 5 9<br>And 12 14) ●■◆ |
| 10   | 640-0270    | 1    | Drive Assy., 640, 270°◆                                         | 640-44E |             |      | #44 Nozzle/Stator Assy.,<br>Effluent (Includes Items 5 9<br>And 12 14) ●■◆ |
| 10   | 640-0360    | 1    | Drive Assy., 640, 360°◆                                         | 640-10  |             |      | Body Package, 640, Hyd.,<br>No (Includes Items 1 4 And<br>15 22 ) ●■◆      |
| 10   | 640-0108    | 1    | Drive Assy., 640, 108°◆                                         | 640-51  |             |      | Body Package, 640, Hyd.,<br>No, BSP (Includes Items<br>1 4 And 15 22) ●■◆  |
| 10   | 640-0127    | 1    | Drive Assy., 640, 127°◆                                         | 640-20  |             |      | Body Package, 640, Com<br>(Includes Items 1 4 And 19)<br>●■◆               |
| 10   | 640-0148    | 1    | Drive Assy., 640, 148°◆                                         | 640-52  |             |      | Body Package, 640, Com,<br>BSP (Includes Items 1 4<br>And 19) ●■◆          |
| 10   | 640-0173    | 1    | Drive Assy., 640, 173°◆                                         | 89-9080 |             |      | Rubber Cover Upgrade Kit<br>#40 (Includes Items 1, 2 And<br>5 9) ●■        |
| 10   | 640-0192    | 1    | Drive Assy., 640, 192°◆                                         |         |             |      |                                                                            |
| 10   | 640-0238    | 1    | Drive Assy., 640, 238°◆                                         |         |             |      |                                                                            |
| 11   |             | 1    | Seal Assy. (See Service<br>Item 35-4280)▲                       |         |             |      |                                                                            |
| 12   | 35-1529     |      | Stator Assy., #40 (Includes<br>Items 13 And 14)                 |         |             |      |                                                                            |
| 12   | 35-1359     |      | Stator Assy., #41 (Includes<br>Items 13 And 14)                 |         |             |      |                                                                            |
| 12   | 9-2816      |      | Stator Assy., #42 (Includes<br>Items 13 And 14)                 |         |             |      |                                                                            |
| 12   | 9-2817      |      | Stator Assy., #43 (Includes<br>Items 13 And 14)                 |         |             |      |                                                                            |
| 12   | 35-1701     |      | Stator Assy., #44 (Includes<br>Items 13 And 14)                 |         |             |      |                                                                            |
| 13   | 9-2072      | 1    | Screen                                                          |         |             |      |                                                                            |
| 14   | 9-2633      | 1    | Seat, Com                                                       |         |             |      |                                                                            |
| 15   | 89-4702     | 1    | Snap Ring, Valve                                                |         |             |      |                                                                            |
| 16   | 9-1485      | 1    | Cylinder Assy., No & Com                                        |         |             |      |                                                                            |
| 17   | 3-2633      | 1    | Spring, Valve, No, EI & NC                                      |         |             |      |                                                                            |
| 18   | 89-8082     | 1    | Piston Assy., Hyd., No                                          |         |             |      |                                                                            |
| 19   | 9-2099      | 1    | Body Assy., Com                                                 |         |             |      |                                                                            |
| 19   | 35-2076     | 1    | Body Assy., Com (BSP)                                           |         |             |      |                                                                            |
| 19   | 89-8088     |      | Body Assy., Hyd., No                                            |         |             |      |                                                                            |
| 19   | 89-8089     |      | Body Assy., Hyd., No (BSP)                                      |         |             |      |                                                                            |
| 20   | 9-6002      | 1    | Adapter-Tubing, Threaded,<br>1/4"                               |         |             |      |                                                                            |
| 21   | 89-8157     | 1    | Cap, 1/4", Poly, No                                             |         |             |      |                                                                            |
| 22   | 900-40      | 1    | Retainer, Tube ◆                                                |         |             |      |                                                                            |

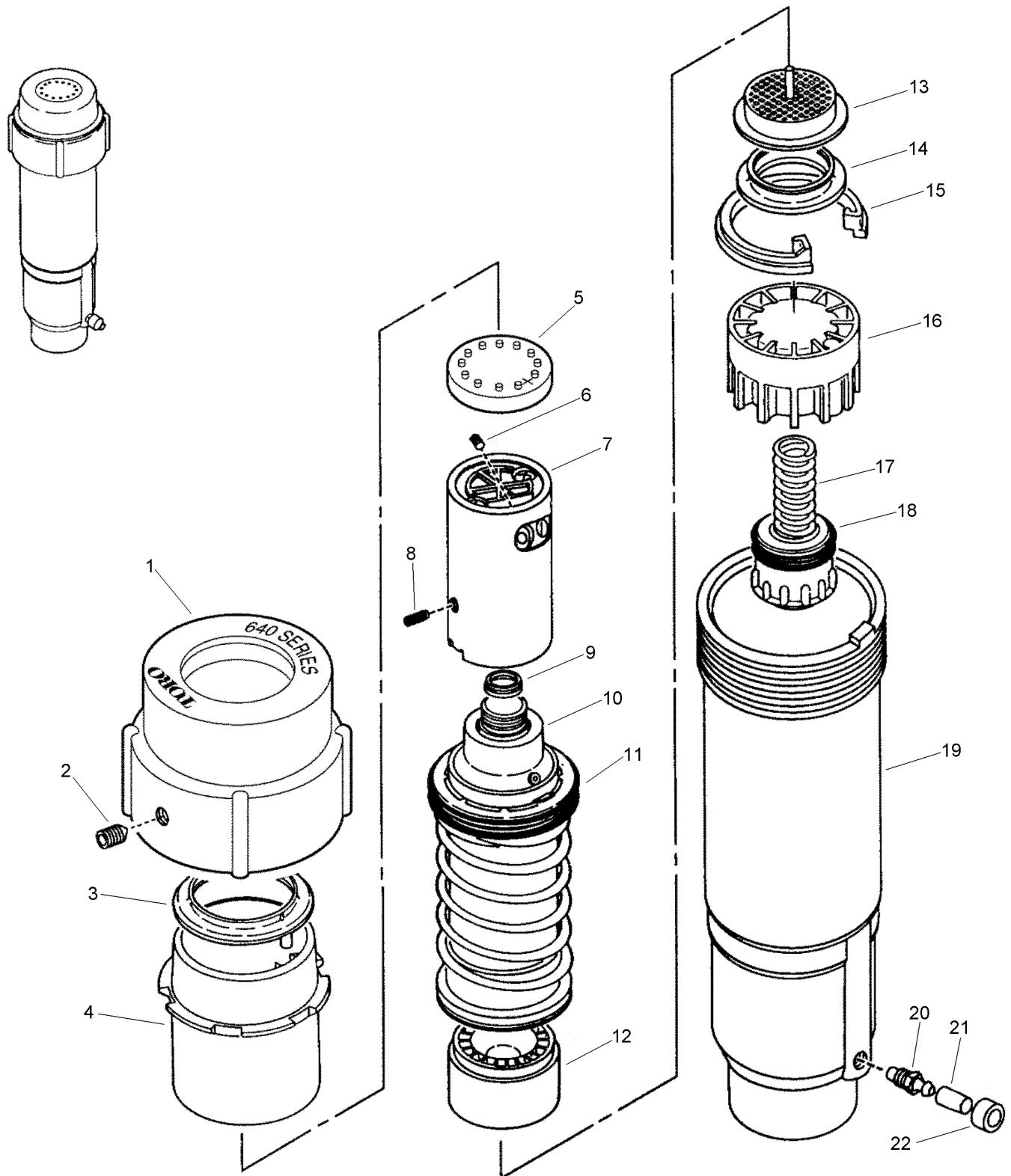
● SERVICE ITEMS

▲ Not serviced separately

◆ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# 640 (continued)



## 640 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                             |
|-------------|--------------------|-------------|----------------------------------------------------------------|
|             | 89-9083            |             | Rubber Cover Upgrade Kit #43 (Includes Items 1, 2 And 5 9) ●■  |
|             | 89-9084            |             | Rubber Cover Upgrade Kit #44 (Includes Items 1, 2 And 5 9) ●■  |
|             | 35-3652            |             | Container, Nozzle (Pre-1993 Models) ●■                         |
|             | 35-9113            |             | Container, Nozzle (Without Set Screw Hole, Pre-1993 Models) ●■ |
|             | 9-6086             |             | Rubber Cover, Nozzle (Pre-1993 Models) ●■                      |

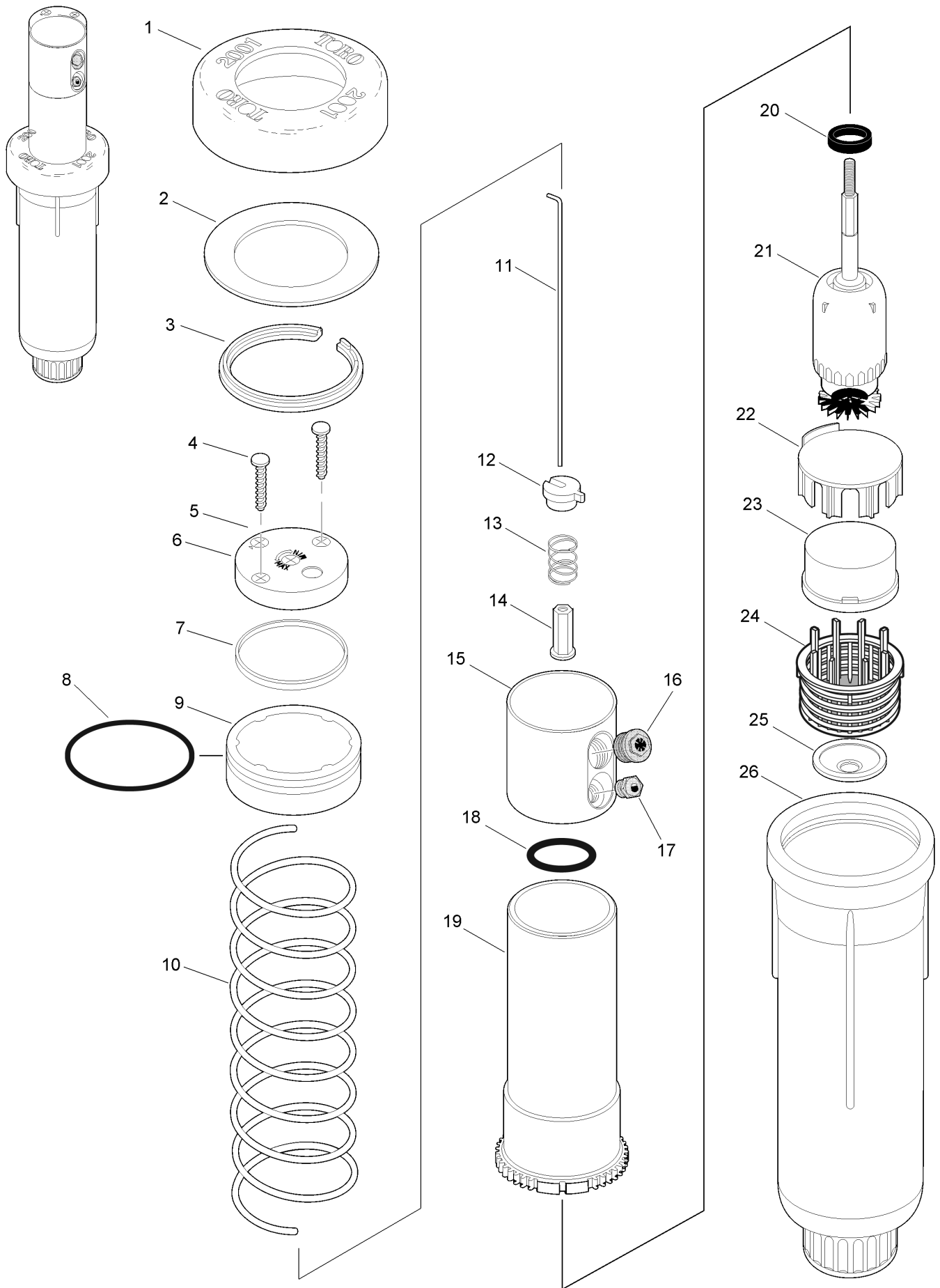
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            |
|-------------|--------------------|-------------|-----------------------------------------------|
|             | 89-7984            |             | Retainer, Rubber Cover ●■                     |
|             | 89-3744            |             | Rubber Cover, Cap ●■                          |
|             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ●■ |
|             | 995-08             |             | Valve Removal Tool ●■                         |
|             | 995-35             |             | Valve Insertion Tool ●■                       |
|             | 995-37             |             | Seal Installation Tool ●■                     |
|             | 995-42             |             | 640 Canister Removal Tool ●■                  |
|             | 996-51             |             | Cap Removal Tool ●■                           |

● SERVICE ITEMS

▲ Not serviced separately

◆ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated





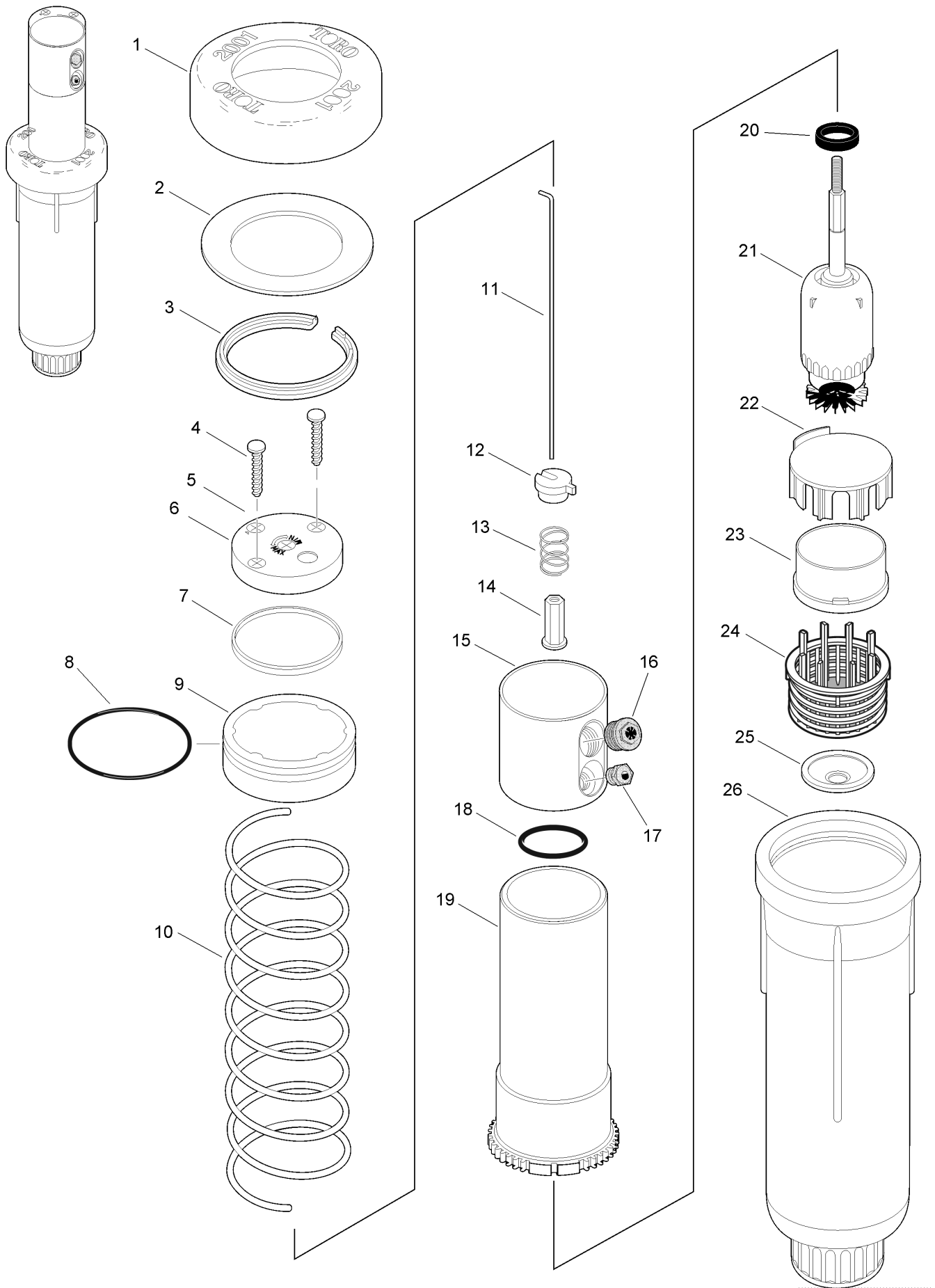
## 2001 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                   |
|-------------|--------------------|-------------|----------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------|
| 1           | 89-3883            | 1           | Cap, Rubber                                  | 16          | 89-8449            | 1           | Nozzle, Main ▲                                       |
| 2           | 102-0058           | 1           | Seal, Debris                                 | 17          | 89-8283            | 1           | Nozzle, Lower ▲                                      |
| 3           | 89-3885            | 1           | Snap Ring                                    | 18          | 363-4096           | 1           | O-Ring, #121, 0.103" X 1.049" X 1.255" (Yellow) ▲    |
| 4           | 363-1493           | 2           | Screw, #10 X 1 ▲                             | 19          | 89-9398            | 1           | Riser                                                |
| 5           | 360-0530           | 2           | O-Ring, 0.070" X 0.145" X 0.285" ▲           | 20          | 89-5904            | 1           | Brake                                                |
| 6           | 89-3944            | 1           | Nozzle Top Assy., Pc                         | 21          | 89-8036            | 1           | Gear Drive Assy., 2001                               |
| 6           | 89-7295            | 1           | Nozzle Top Assy., Fc                         | 22          | 89-7374            | 1           | Holder, Stator                                       |
| 6           | 89-6734            | 1           | Nozzle Top Assy., Pc, Effluent               | 23          |                    | 1           | Stator (See Service Item 89-8202) ♦                  |
| 6           | 89-7296            | 1           | Nozzle Top Assy., Fc, Effluent               | 24          | 89-3929            | 1           | Screen                                               |
| 7           | 89-4887            | 1           | Nozzle Base Retainer                         | 25          | 35-2245            | 1           | Check Valve ▲                                        |
| 8           | 363-3690           | 1           | O-Ring, 0.103" X 2.237" X 2.443"             | 26          | 89-7392            | 1           | Body Assy., Npt, Left Arc I.D. - Post 5/94           |
| 9           |                    | 1           | O-Ring Retainer (See Service Item 89-9913) ♦ |             | 89-8202            |             | Stator Assy., 2001 (Includes Item 21 & 22) ●■        |
| 10          | 89-9399            | 1           | Spring ▲                                     |             | 89-9913            |             | O-Ring Retainer Assy., Svc (Includes Items 7 & 8) ●■ |
| 11          | 89-3869            | 1           | Shaft (Pc Pin) ▲                             |             | 89-6602            |             | Spring Retainer - Pre 4/99 ●■                        |
| 12          | 89-4890            | 1           | Arm, Clutch ▲                                |             | 102-0365           |             | Tree, Nozzle, Colored ●■                             |
| 13          | 89-5887            | 1           | Spring, Clutch ▲                             |             | 89-4717            |             | Adjustment Tool ●■                                   |
| 14          | 89-3928            | 1           | Nut, Nozzle Base                             |             | 995-83             |             | Multi-Purpose Tool ●■                                |
| 15          | 89-3872            | 1           | Base, Nozzle                                 |             |                    |             |                                                      |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
♦ Not serviced separately

# S2001

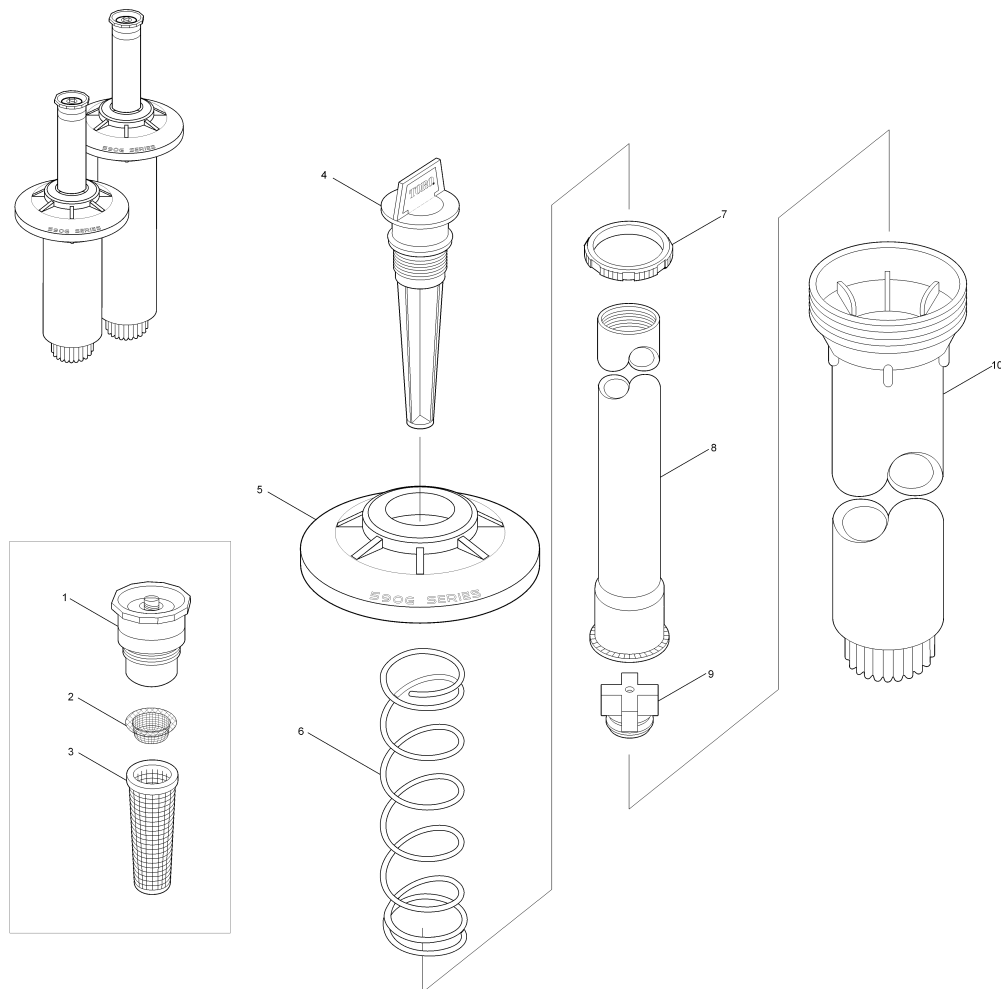


## S2001 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                   |
|-------------|--------------------|-------------|-------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------|
| 1           | 89-3883            | 1           | Cap, Rubber                                     | 14          | 89-3928            | 1           | Nut, Nozzle Base                                     |
| 2           | 102-0058           | 1           | Seal, Debris                                    | 15          | 89-9870            | 1           | Base, Nozzle                                         |
| 3           | 89-3885            | 1           | Snap Ring                                       | 16          | 89-4769            | 1           | Nozzle, Main ▲                                       |
| 4           | 363-1493           | 2           | Screw, #10 X 1.0" Phphn, 2<br>Hlxa ▲            | 17          | 89-8660            | 1           | Nozzle, Lower ▲                                      |
| 5           | 360-0530           | 2           | O-Ring, 0.070" X 0.145" X<br>0.285" ▲           | 18          | 363-4096           | 1           | O-Ring, #121, 0.103" X<br>1.049" X 1.255" (Yellow) ▲ |
| 6           | 89-3944            | 1           | Nozzle Top Assy., Pc                            | 19          | 89-9427            | 1           | Riser Assy.                                          |
| 6           | 89-7295            | 1           | Nozzle Top Assy., Fc                            | 20          | 89-5904            | 1           | Brake                                                |
| 6           | 89-6734            | 1           | Nozzle Top Assy., Pc,<br>Effluent               | 21          | 89-8036            | 1           | Gear Drive Assy., 2001                               |
| 6           | 89-7296            | 1           | Nozzle Top Assy., Fc,<br>Effluent               | 22          | 89-7374            | 1           | Holder, Stator                                       |
| 7           | 89-4887            | 1           | Nozzle Base Retainer                            | 23          |                    | 1           | Stator (See Service Item<br>89-8202) ♦               |
| 8           | 363-3690           | 1           | O-Ring                                          | 24          | 89-3929            | 1           | Screen                                               |
| 9           |                    | 1           | O-Ring Retainer (See<br>Service Item 89-9914) ♦ | 25          | 35-2245            | 1           | Check Valve ▲                                        |
| 10          | 89-9399            | 1           | Spring ▲                                        | 26          | 89-7393            | 1           | Body Assy., Left Arc I.D. -<br>Post 5/94 ▲           |
| 11          | 89-3869            | 1           | Shaft (Pc Only) ▲                               |             | 89-8202            |             | Stator Assy., 2001 (Includes<br>Item 21 & 22) ●■     |
| 12          | 89-4890            | 1           | Arm, Clutch (Pc Only) ▲                         |             | 102-0365           |             | Tree, Nozzle, Colored ●■                             |
| 13          | 89-5887            | 1           | Spring, Clutch (Pc Only) ▲                      |             | 89-4717            |             | Adjustment Tool ●■                                   |
|             |                    |             |                                                 |             | 995-83             |             | Multi-Purpose Tool ●■                                |

● SERVICE ITEMS  
▲ No longer available

■ Not illustrated  
♦ Not serviced separately

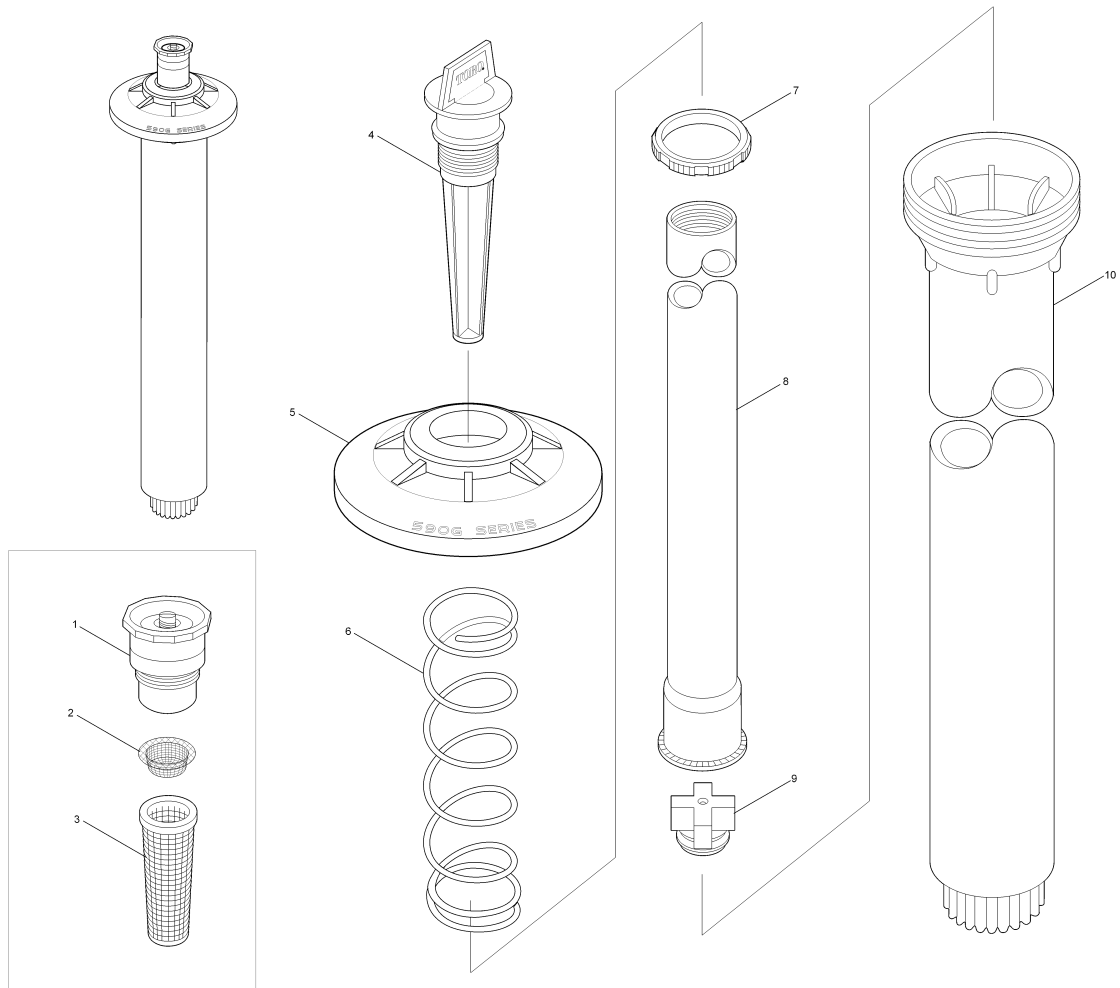


## 590GF-4 and 590GF-6

| Ref. | Part Number | Qty. | Description                                 |
|------|-------------|------|---------------------------------------------|
| 1    |             | 1    | Nozzle ■●                                   |
| 2    | 89-5548     | 1    | Screen, Filter, Sst                         |
| 3    | 9-5112      | 1    | Screen, Riser, White, Plastic, Regular Mesh |
| 3    | 89-8738     | 1    | Screen, Riser, Red, Plastic, Fine Mesh      |
| 4    | 102-0621    | 1    | Flush Plug, Prx & Xf                        |
| 5    | 102-7425    | 1    | Cap, Black                                  |
| 5    | 102-7946    | 1    | Cap, Lavender                               |
| 6    | 35-9632     | 1    | Spring, 4", Com                             |
| 6    | 35-9633     | 1    | Spring, 6", Com                             |
| 7    | 118-1133    | 1    | Ring, Ratchet                               |
| 8    | 89-0969     | 1    | Riser, 4"                                   |
| 8    | 102-0971    | 1    | Riser Assy., Prx, 4"                        |
| 8    | 89-0856     | 1    | Riser, 6"                                   |
| 8    | 102-0972    | 1    | Riser Assy., Prx, 6"                        |
| 9    | 118-0590    | 1    | Check Valve                                 |
| 10   | 118-0611    | 1    | Body, 4"                                    |
| 10   | 118-0788    | 1    | Body, 6"                                    |

● Not serviced separately

■ See 570 Nozzles Section.



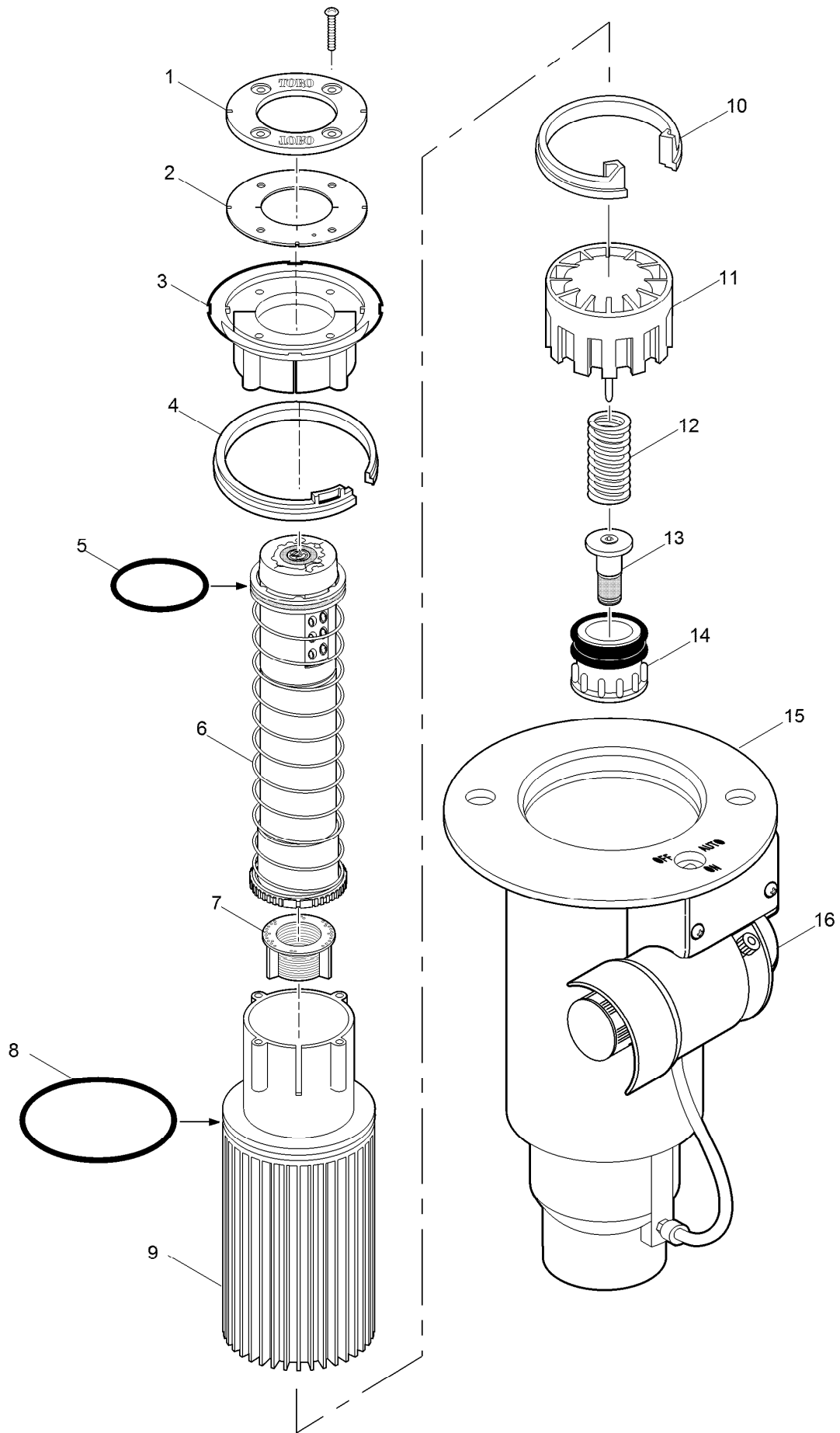
## 590GF-12

| Ref. | Part Number | Qty. | Description                                 |
|------|-------------|------|---------------------------------------------|
| 1    |             | 1    | Nozzle ■●                                   |
| 2    | 89-5548     | 1    | Screen, Filter, Sst                         |
| 3    | 9-5112      | 1    | Screen, Riser, White, Plastic, Regular Mesh |
| 3    | 89-8738     | 1    | Screen, Riser, Red, Plastic, Fine Mesh      |
| 4    | 102-0621    | 1    | Flush Plug, Prx & Xf                        |
| 5    | 102-7425    | 1    | Cap, Black                                  |
| 5    | 102-7946    | 1    | Cap, Lavender                               |
| 6    | 35-9634     | 1    | Spring, 12", Com                            |
| 7    | 89-0855     | 1    | Ring, Ratchet                               |
| 8    | 102-1246    | 1    | Riser, 12"                                  |
| 8    | 102-2917    | 1    | Riser Assy., Prx, 12"                       |
| 9    | 118-0590    | 1    | Check Valve                                 |
| 10   | 9-7236      | 1    | Body, 12"                                   |

● Not serviced separately

■ See 570 Nozzles Section.

# 720 Series Sprinkler

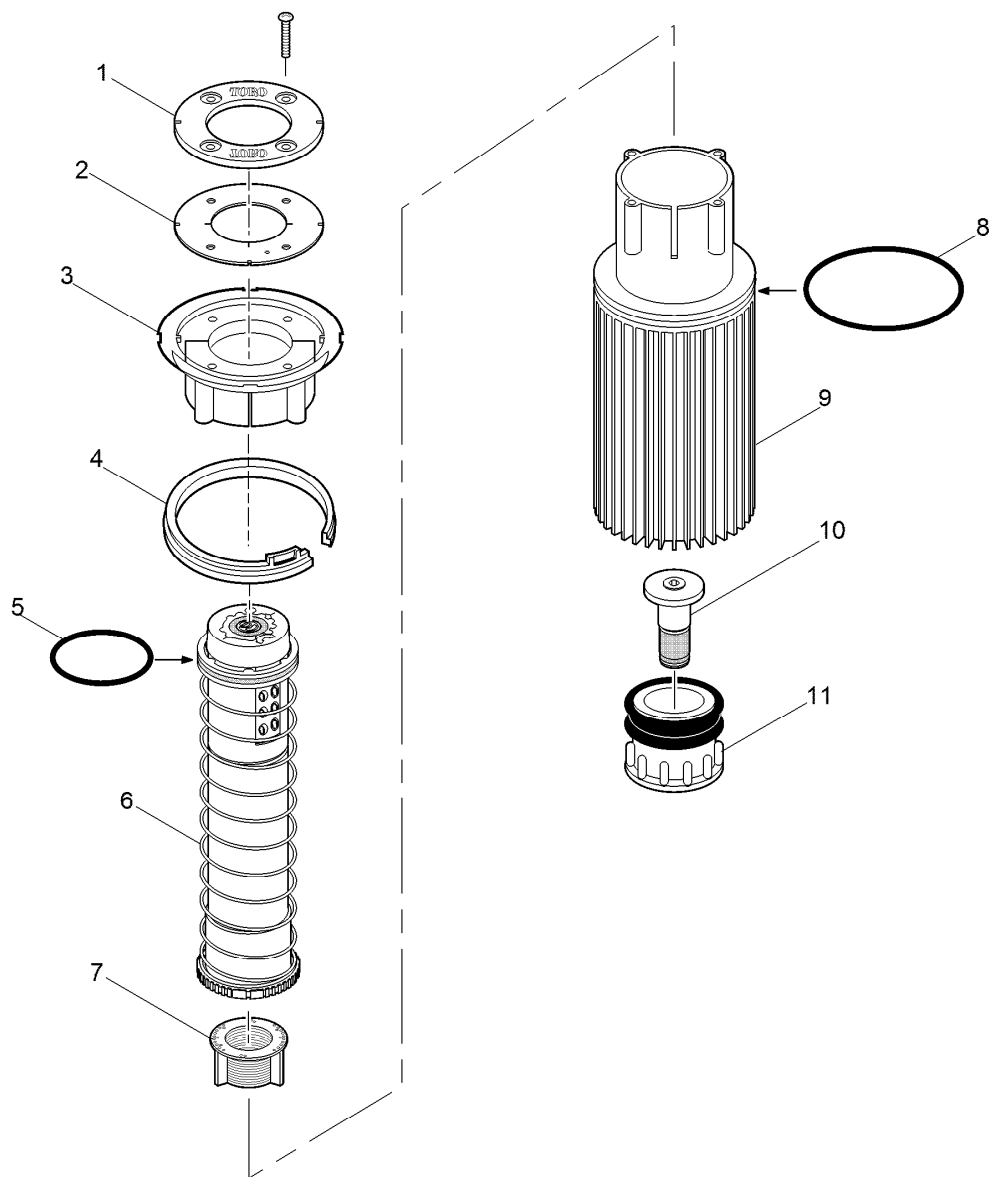


## 720 Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                              |
|-------------|--------------------|-------------|---------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------|
| 1           | 102-0257           | 1           | Retainer, Debris Seal                                   | 11          | 9-1487             | 1           | Cylinder Assy., EI & NC                         |
| 1           | 102-0258           | 1           | Retainer, Debris Seal, Effluent                         | 12          | 3-2633             | 1           | Spring, Valve, No, EI & NC                      |
| 2           | 102-5385           | 1           | Seal, Debris                                            | 13          | 102-0081           | 1           | Piston Assy., EI, Low Flow (Includes Item 14)   |
| 3           |                    | 1           | Support, Riser, Ribbed Body ▲                           | 14          | 35-9646            | 1           | Filter Assy., Metering, EI, NC                  |
| 4           | 89-1385            | 1           | Snap Ring, Riser                                        | 15          |                    | 1           | Body Assy. (See Golf Sprinkler Body Assembly) ▲ |
| 5           | 363-4195           | 1           | O-Ring, 0.070" X 1.864" X 2.004", Buna                  | 16          |                    | 1           | Pilot Valve Assy. (See Pilot Valve Assembly.) ▲ |
| 6           | 89-9725            | 1           | Riser Assembly, Part Circle (Includes Items 5, 6 And 7) |             | 995-15             |             | Selector Tool (Flag Key) ●■                     |
| 6           | 89-9726            | 1           | Riser Assembly, Full Circle (Includes Items 5, 6 And 7) |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ●■   |
| 7           | 89-9428            | 1           | Screen                                                  |             | 995-08             |             | Valve Removal Tool ●■                           |
| 8           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                             |             | 995-76             |             | Valve Insertion Tool ●■                         |
| 9           | 89-9443            | 1           | Sleeve, Riser                                           |             | 995-83             |             | Multi-Purpose Tool ●■                           |
| 10          | 89-4702            | 1           | Snap Ring, Valve                                        |             | 89-7350            |             | Adjustment Key ●■                               |

● SERVICE TOOLS  
▲ Not serviced separately

■ Not illustrated

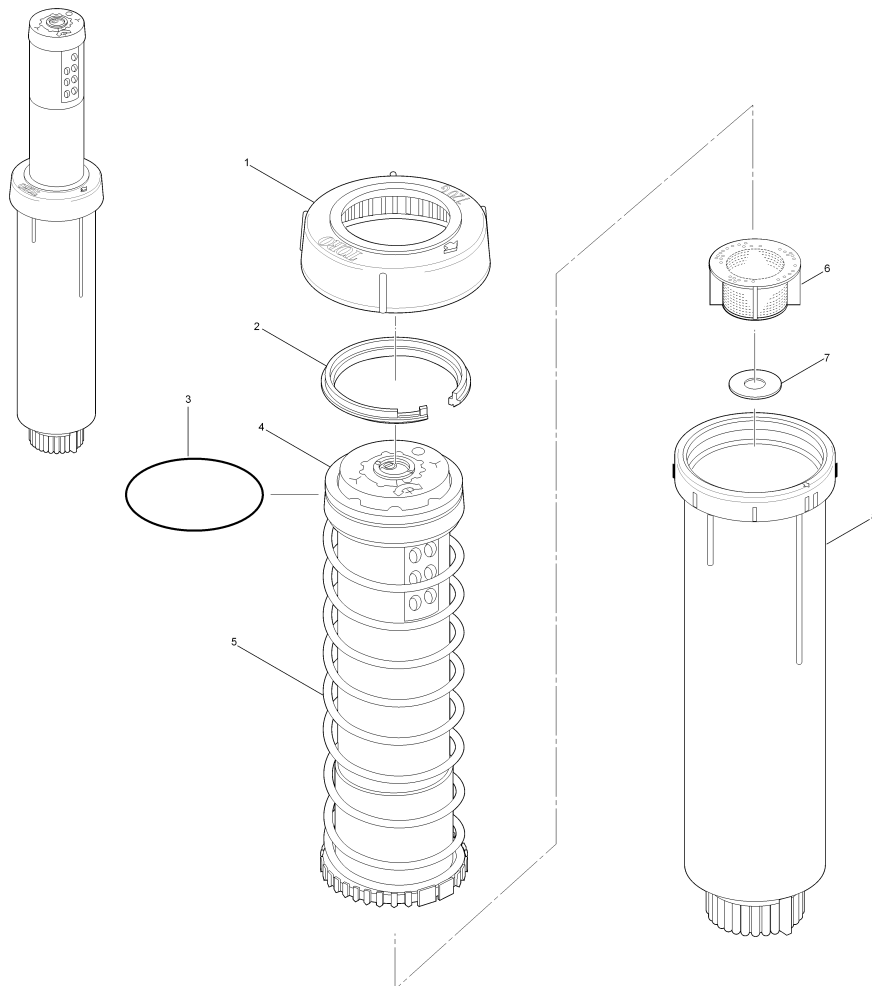


## 720 Series Conversion Assembly

| Ref. | Part Number | Qty. | Description                                              |
|------|-------------|------|----------------------------------------------------------|
| 1    | 102-0257    | 1    | Retainer, Debris Seal                                    |
| 1    | 102-0258    | 1    | Retainer, Debris Seal, Effluent                          |
| 2    | 102-5385    | 1    | Seal, Debris                                             |
| 3    |             | 1    | Support, Riser, Ribbed Body ●                            |
| 4    | 89-1385     | 1    | Snap Ring, Riser                                         |
| 5    | 363-4195    | 1    | O-Ring, 0.070" X 1.864" X 2.004", Buna                   |
| 6    | 89-9725     | 1    | Riser Assembly, Part Circle (Includes Items 5, 6 And 7.) |
| 6    | 89-9726     | 1    | Riser Assembly, Full Circle (Includes Items 5, 6 And 7.) |
| 7    | 89-9428     | 1    | Screen                                                   |
| 8    | 363-4102    | 1    | O-Ring, Paraffin As-568 232                              |
| 9    | 89-9443     | 1    | Sleeve, Riser                                            |
| 10   | 35-9646     | 1    | Filter Assy., Metering, EI, NC                           |
| 11   | 102-0081    | 1    | Piston Assy., EI, Low Flow (Includes Item 10)            |

● Not serviced separately



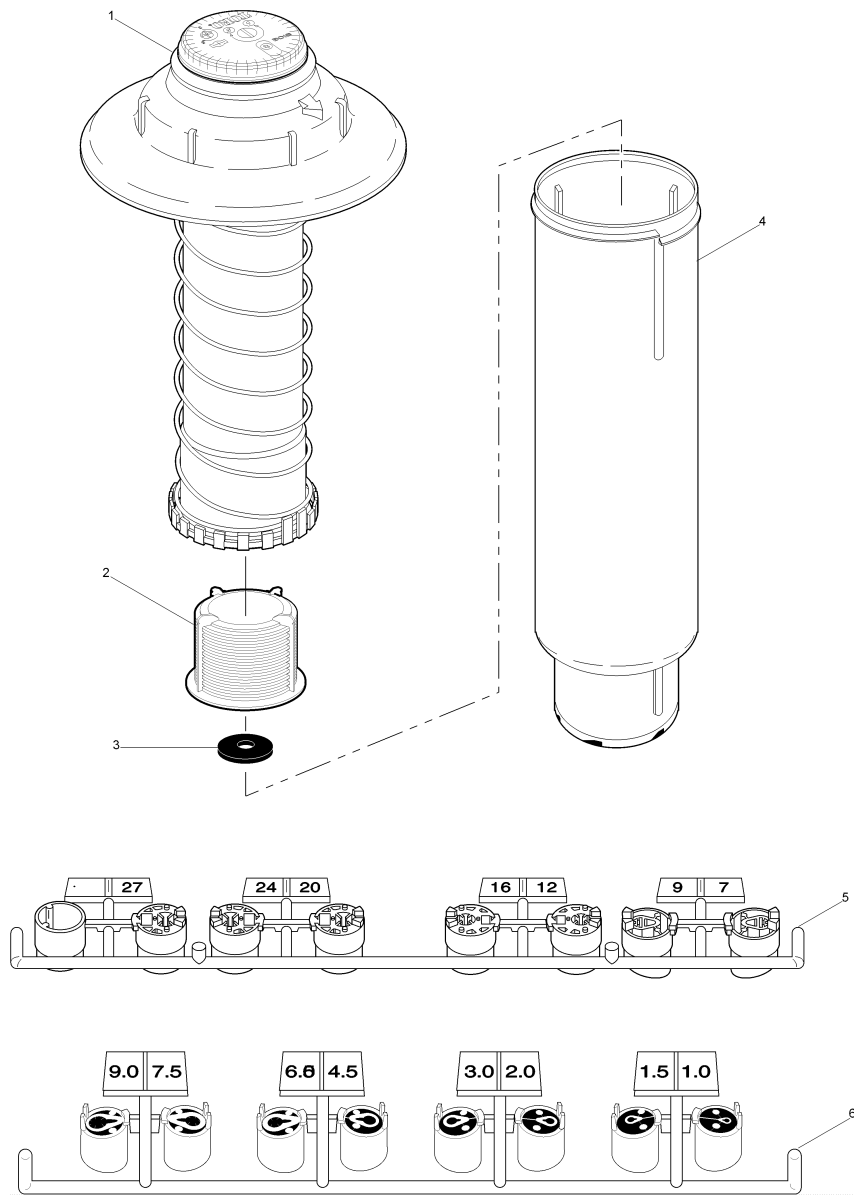


## 720G Series

| Ref. | Part Number | Qty. | Description                                   |
|------|-------------|------|-----------------------------------------------|
| 1    | 102-2277    | 1    | Cover, Rubber Body                            |
| 2    | 89-8657     | 1    | Snap Ring                                     |
| 3    | 363-4195    | 1    | O-Ring, 0.070" X 1.864" X 2.004" Buna         |
| 4    |             | 1    | Retainer W/Seal (See Service Item 102-2247) ♦ |
| 5    | 89-9725     | 1    | Riser Assembly, Part Circle                   |
| 5    | 89-9726     | 1    | Riser Assembly, Full Circle                   |
| 6    | 89-9428     | 1    | Screen                                        |
| 7    | 89-7561     | 1    | Seal, Check, Com                              |
| 8    |             | 1    | Body ♦                                        |
|      | 102-2247    |      | Retainer W/ O-Ring (Includes Items 3 & 4) ● ▲ |
|      | 995-83      |      | Multi-Purpose Tool ■ ▲                        |
|      | 89-7350     |      | Adjustment Key ■ ▲                            |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

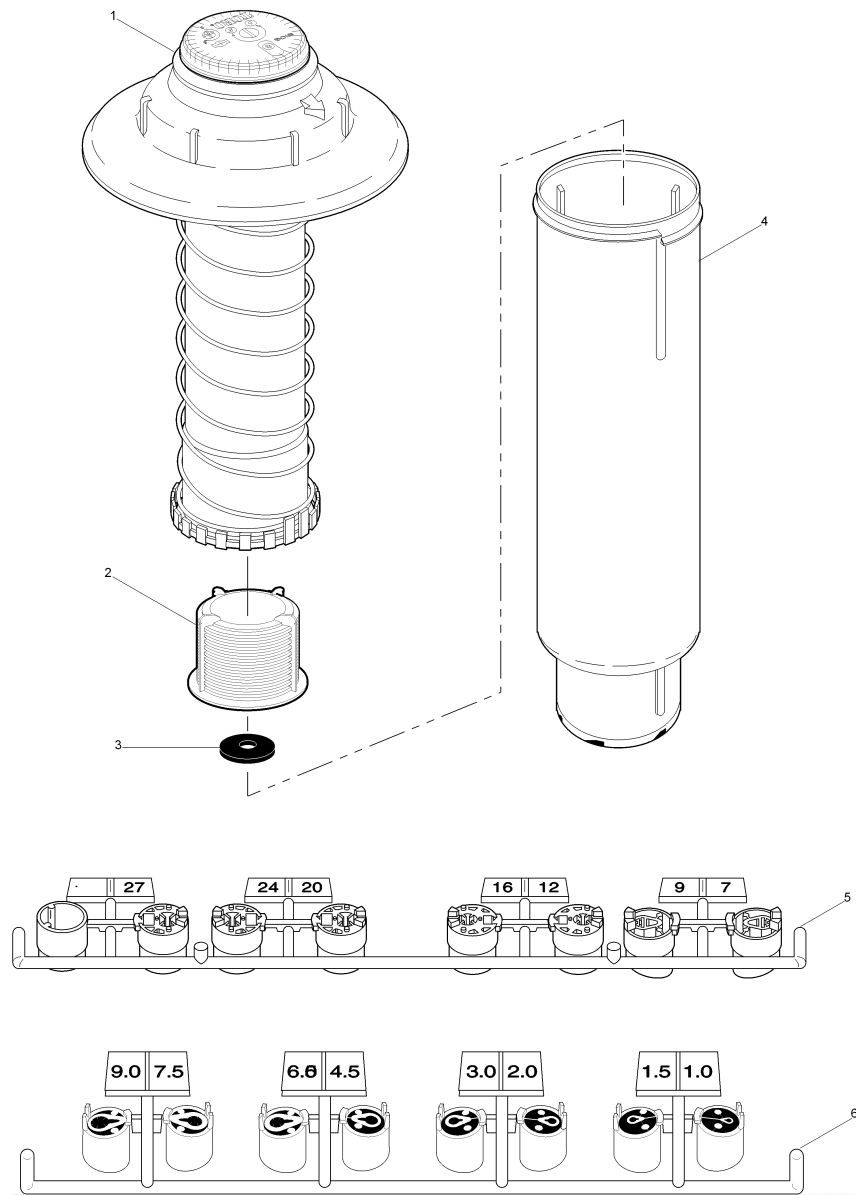


## 810G and 810GL

| Ref. | Part Number | Qty. | Description                          |
|------|-------------|------|--------------------------------------|
| 1    |             | 1    | 810G/GI Riser Assy. ▲                |
| 2    |             | 1    | Screen ▲                             |
| 3    | 89-9183     | 1    | Seal, Check                          |
| 4    |             | 1    | Body Assy. ▲                         |
| 5    | 102-2633    | 1    | Tree, Nozzle, T7, Stamped, High Flow |
| 6    | 102-1877    | 1    | Tree, Nozzle, T7, Low Flow           |
|      | 102-6527    | 1    | Adjustment Tool ●■                   |

● SERVICE TOOLS  
▲ Not serviced separately

■ Not illustrated

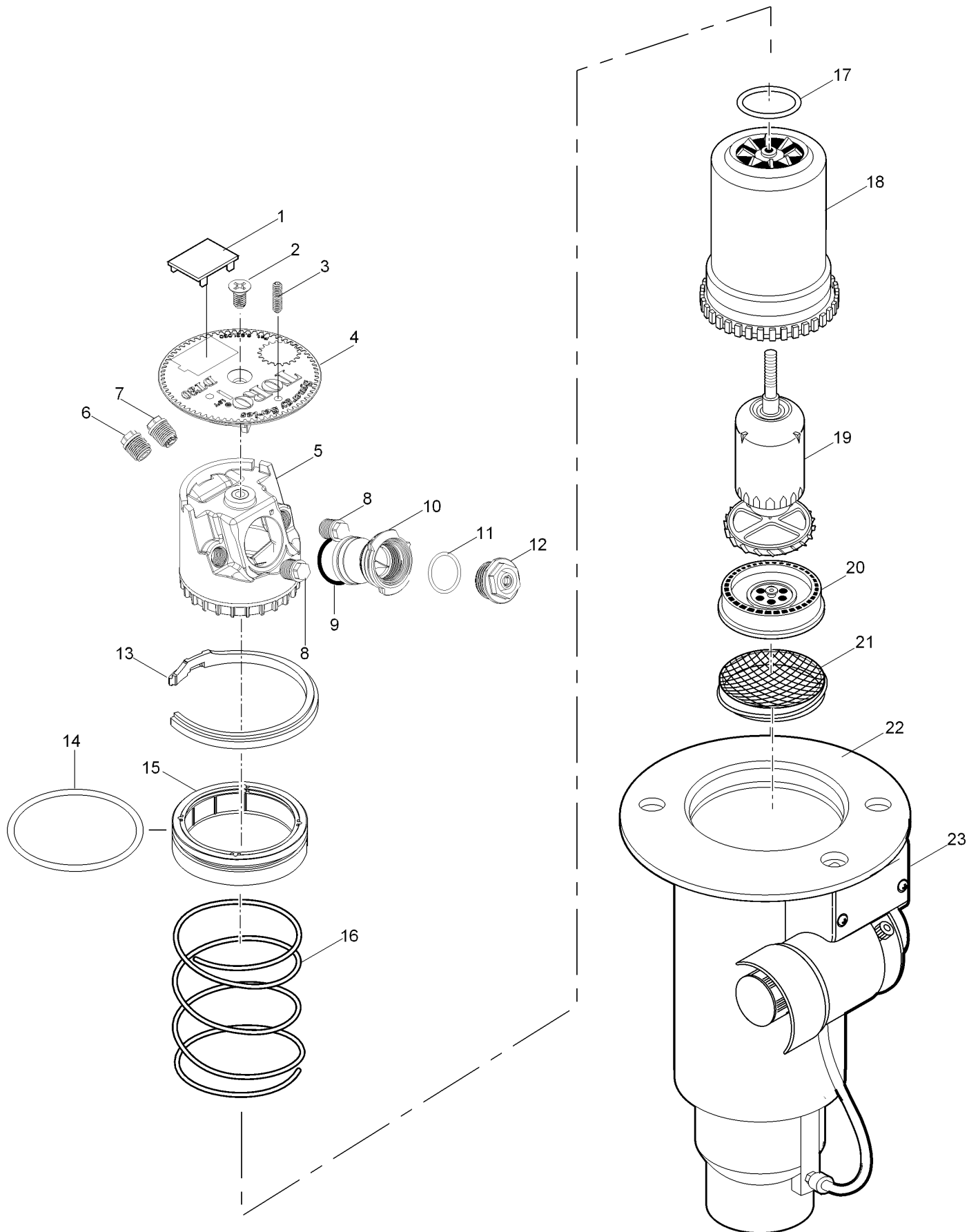


## 810G and 810GL (continued)

● SERVICE TOOLS  
 ▲ Not serviced separately

■ Not illustrated

# DT34 Series Sprinkler



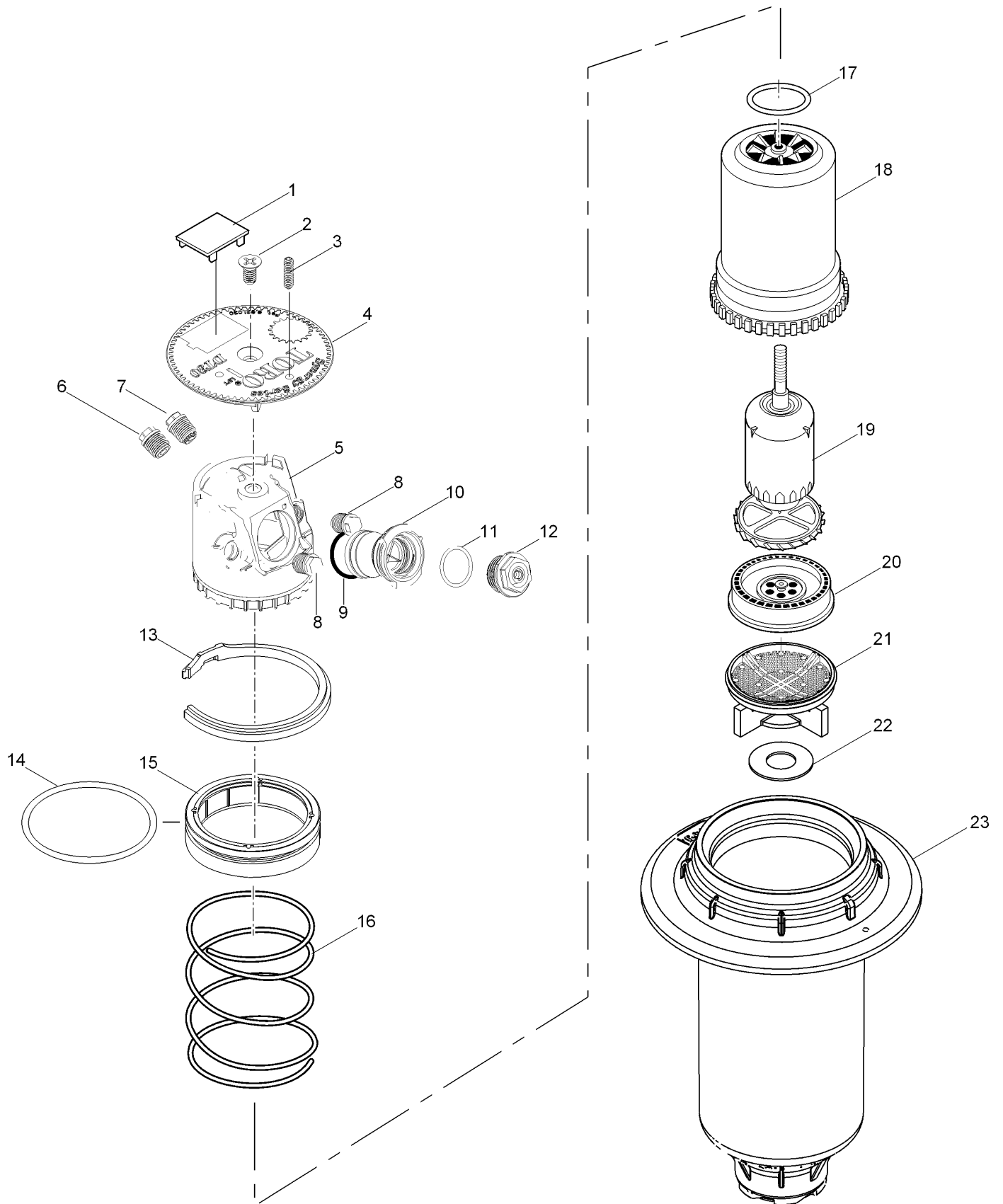
## DT34 Series Sprinkler (continued)

| Ref. | Part Number | Qty. | Description                                                                       | Ref.     | Part Number | Qty. | Description                                                             |
|------|-------------|------|-----------------------------------------------------------------------------------|----------|-------------|------|-------------------------------------------------------------------------|
| 1    | 89-1589     | 1    | Plug, Cap (Black)                                                                 | 19       | 102-4503    | 1    | Drive Assembly, 12-Pack                                                 |
| 2    | 102-0362    | 1    | Screw, Cap                                                                        | 20       | 102-6929    | 1    | Stator, Low Flow, High Velocity (Used W/ #1-4 Main Nozzles)             |
| 3    | 363-4839    | 1    | Radius Reduction Screw                                                            | 20       | 102-1940    | 1    | Stator Assembly, Medium Flow (Used W/ #5-7 Main Nozzles)                |
| 4    | 118-6918    | 1    | Cap, Flx, Series                                                                  |          |             |      |                                                                         |
| 4    | 118-6919    | 1    | Cap, Flx, Effluent                                                                | 21       | 102-1715    | 1    | Screen, Riser                                                           |
| 5    | 102-5837    | 1    | Nozzle Base Assembly                                                              |          |             |      |                                                                         |
| 6    | 102-2925    | 1    | Intermediate Nozzle, Blue (Used W/ #1 Main)                                       | 22       |             | 1    | Body Assembly (See Golf Sprinkler Body Assembly) ♦                      |
| 6    | 102-2926    | 1    | Intermediate Nozzle, Orange (Used W/ #2 Main)                                     |          |             |      |                                                                         |
| 6    | 102-2928    | 1    | Intermediate Nozzle, Red (Used W/ #3 Main)                                        | 23       |             | 1    | Pilot Valve Assembly (See Pilot Valve) ♦                                |
| 6    | 102-2929    | 1    | Intermediate Nozzle, Beige (Used W/ #4 & 5 Mains)                                 |          |             |      |                                                                         |
| 6    | 102-6944    | 1    | Intermediate Nozzle Assy., Red W/ Stream Straightener (Used W/ #6 Main)           |          | 102-2208    |      | Nozzle, Main, #30 (Plug) ●▲                                             |
| 6    | 102-6945    | 1    | Intermediate Nozzle Assy., Gray W/ Stream Straightener (Used W/ #7 Main)          |          | 118-1521    | 1    | Adapter, Main Nozzle ●▲                                                 |
|      |             |      |                                                                                   |          | 102-5672    |      | Cap, Blank ●▲                                                           |
| 6    | 102-6883    | 1    | Intermediate Nozzle, Brown (Used W/ #7 Main, Front Position On The Right Of Main) |          | 102-5673    |      | Cap, Blank, Effluent ●▲                                                 |
|      |             |      |                                                                                   |          | YARDMARKYEL | 1    | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                          |
| 7    | 102-6937    | 1    | Nozzle Assy. Inner, Yellow Nozzle W/ Yellow Helical Restrictor                    |          | YARDMARKLAV | 1    | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲        |
|      |             |      |                                                                                   |          | FLX34-3134  |      | 1                                                                       |
| 8    | 102-4335    | 2    | Plug, Nozzle                                                                      |          | FLX34-3134E | 1    | Conversion Assembly, W/ #31, 32, 33, 34 Nozzles, Effluent (Lavender) ●▲ |
|      |             |      |                                                                                   |          | FLX34-3537  |      | 1                                                                       |
| 9    | 102-5978    | 1    | O-Ring, Nozzle Housing                                                            |          | FLX34-3537E | 1    | Conversion Assembly, W/ #35, 36, 37 Nozzles, Effluent (Lavender) ●▲     |
| 10   | 102-5597    | 1    | Nozzle Housing Assy. (Includes Item 9)                                            |          | 995-08      |      | Valve Removal Tool ■▲                                                   |
| 11   | 363-4978    | 1    | O-Ring, Main Nozzle                                                               |          | 995-76      |      | Valve Insertion Tool ■▲                                                 |
| 12   | 102-0725    | 1    | Nozzle, Main, #31, Yellow                                                         |          | 995-15      |      | Selector Tool (Flag Key) ■▲                                             |
| 12   | 102-7001    | 1    | Nozzle, Main, #32, Blue                                                           |          | 995-99      |      | Nut Driver, 5/8" (For Main Nozzle) ■▲                                   |
| 12   | 102-0727    | 1    | Nozzle, Main, #33, Brown                                                          | 995-105  |             |      | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲       |
| 12   | 102-7002    | 1    | Nozzle, Main, #34, Orange                                                         |          |             |      |                                                                         |
| 12   | 102-6908    | 1    | Nozzle, Main, #35, Green                                                          |          | 995-83      |      | Multi-Purpose Tool ■▲                                                   |
| 12   | 102-0730    | 1    | Nozzle, Main, #36, Gray                                                           |          | 995-85      |      | Riser Removal Tool ■▲                                                   |
| 12   | 102-4261    | 1    | Nozzle, Main, #37, Black                                                          |          | 995-100     |      | Valve Snap Ring Pliers With Screen Remover ■▲                           |
| 13   | 89-1385     | 1    | Snap Ring, Riser                                                                  | 995-102  |             | 1    | Riser Hold-Up Tool, Universal ■▲                                        |
| 14   | 363-4102    | 1    | O-Ring, Paraffin As-568 232                                                       |          |             |      |                                                                         |
| 15   | 102-0134    | 1    | Retainer, Seal                                                                    | 118-0954 |             | 1    | Riser Hold-Up Tool, Red ●▲                                              |
| 16   | 102-0151    | 1    | Spring, Return                                                                    |          |             |      |                                                                         |
| 17   | 363-4167    | 1    | O-Ring, Nozzle Base                                                               |          |             |      |                                                                         |
| 18   | 102-0202    | 1    | Riser                                                                             |          |             |      |                                                                         |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

# DT34B Series Sprinkler



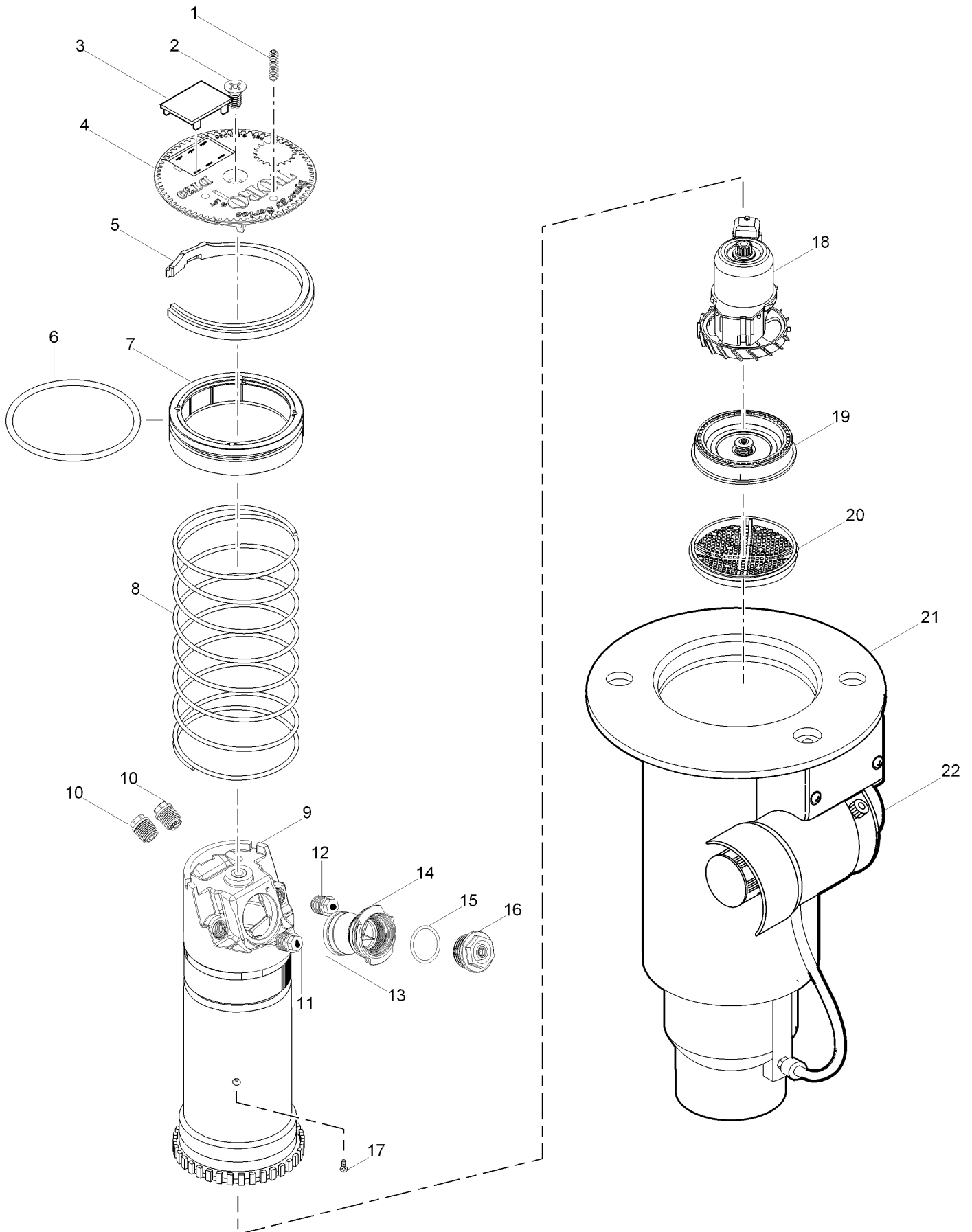
## DT34B Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 89-1589            | 1           | Plug, Cap (Black)                                                                              | 12          | 102-4261           | 1           | Nozzle, Main, #37, Black                                                |
| 2           | 102-0362           | 1           | Screw, Cap                                                                                     | 12          | 102-4260           | 1           | Nozzle, Main, #58, Red                                                  |
| 3           | 363-4839           | 1           | Radius Reduction Screw                                                                         | 13          | 89-1385            | 1           | Snap Ring, Riser                                                        |
| 4           | 118-6918           | 1           | Cap, Flx Series                                                                                | 14          | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                             |
| 4           | 118-6919           | 1           | Cap, Flx Series, Effluent                                                                      | 15          | 102-0134           | 1           | Retainer, Seal                                                          |
| 5           | 102-5837           | 1           | Nozzle Base Assembly                                                                           | 16          | 102-0151           | 1           | Spring, Return                                                          |
| 6           | 102-2925           | 1           | Intermediate Nozzle, Blue<br>(Used W/ #1 Main)                                                 | 17          | 363-4167           | 1           | O-Ring, Nozzle Base                                                     |
| 6           | 102-2926           | 1           | Intermediate Nozzle,<br>Orange (Used W/ #2 Main)                                               | 18          | 102-0202           | 1           | Riser                                                                   |
| 6           | 102-2928           | 1           | Intermediate Nozzle, Red<br>(Used W/ #3 Main)                                                  | 19          | 102-4503           | 1           | Drive Assembly, 12-Pack                                                 |
| 6           | 102-2929           | 1           | Intermediate Nozzle, Beige<br>(Used W/ #4 & 5 Mains)                                           | 20          | 102-6929           | 1           | Stator, Low Flow, High<br>Velocity (Used W/ #1-4 Main<br>Nozzles)       |
| 6           | 102-6944           | 1           | Intermediate Nozzle Assy.,<br>Red W/ Stream Straightener<br>(Used W/ #6 Main)                  | 20          | 102-1940           | 1           | Stator Assembly, Medium<br>Flow (Used W/ #5-8 Main<br>Nozzles)          |
| 6           | 102-6945           | 1           | Intermediate Nozzle<br>Assy., Gray W/ Stream<br>Straightener (Used With #7<br>& 8 Mains)       | 21          | 102-5152           | 1           | Screen, Riser, W/ Check<br>Seal Holder                                  |
| 6           | 102-6883           | 1           | Intermediate Nozzle, Brown<br>(Used W/ #7 & 8 Main, Front<br>Position On The Right Of<br>Main) | 22          | 102-7437           | 1           | Seal, Check                                                             |
| 7           | 102-6937           | 1           | Nozzle Assy. Inner, Yellow<br>Nozzle W/ Yellow Helical<br>Restrictor                           | 23          | 102-7419           | 1           | Body, Npt                                                               |
| 8           | 102-4335           | 2           | Plug, Nozzle                                                                                   | 23          | 102-7421           | 1           | Body, Acme                                                              |
| 9           | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                         |             | 102-2208           |             | Nozzle, Main, #30 (Plug) ●▲                                             |
| 10          | 102-5597           | 1           | Nozzle Housing Assy.<br>(Includes Item 9)                                                      |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                                 |
| 11          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                            |             | 102-5672           |             | Cap, Blank ●▲                                                           |
| 12          | 102-0725           | 1           | Nozzle, Main, #31, Yellow                                                                      |             | 102-5673           |             | Cap, Blank, Effluent ●▲                                                 |
| 12          | 102-7001           | 1           | Nozzle, Main, #32, Blue                                                                        |             | YARDMARKYEL        | 1           | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ●▲                       |
| 12          | 102-0727           | 1           | Nozzle, Main, #33, Brown                                                                       |             | YARDMARKLAV        | 1           | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ●▲  |
| 12          | 102-7002           | 1           | Nozzle, Main, #34, Orange                                                                      |             | 995-99             |             | Nut Driver, 5/8" (For Main<br>Nozzle) ■▲                                |
| 12          | 102-6908           | 1           | Nozzle, Main, #35, Green                                                                       |             | 995-105            |             | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■▲ |
| 12          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                                                        |             | 995-83             |             | Multi-Purpose Tool ■▲                                                   |
|             |                    |             |                                                                                                |             | 995-85             |             | Riser Removal Tool ■▲                                                   |
|             |                    |             |                                                                                                |             | 995-102            | 1           | Riser Hold-Up Tool,<br>Universal ■▲                                     |
|             |                    |             |                                                                                                |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ●▲                                              |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# DT35 Series Sprinkler





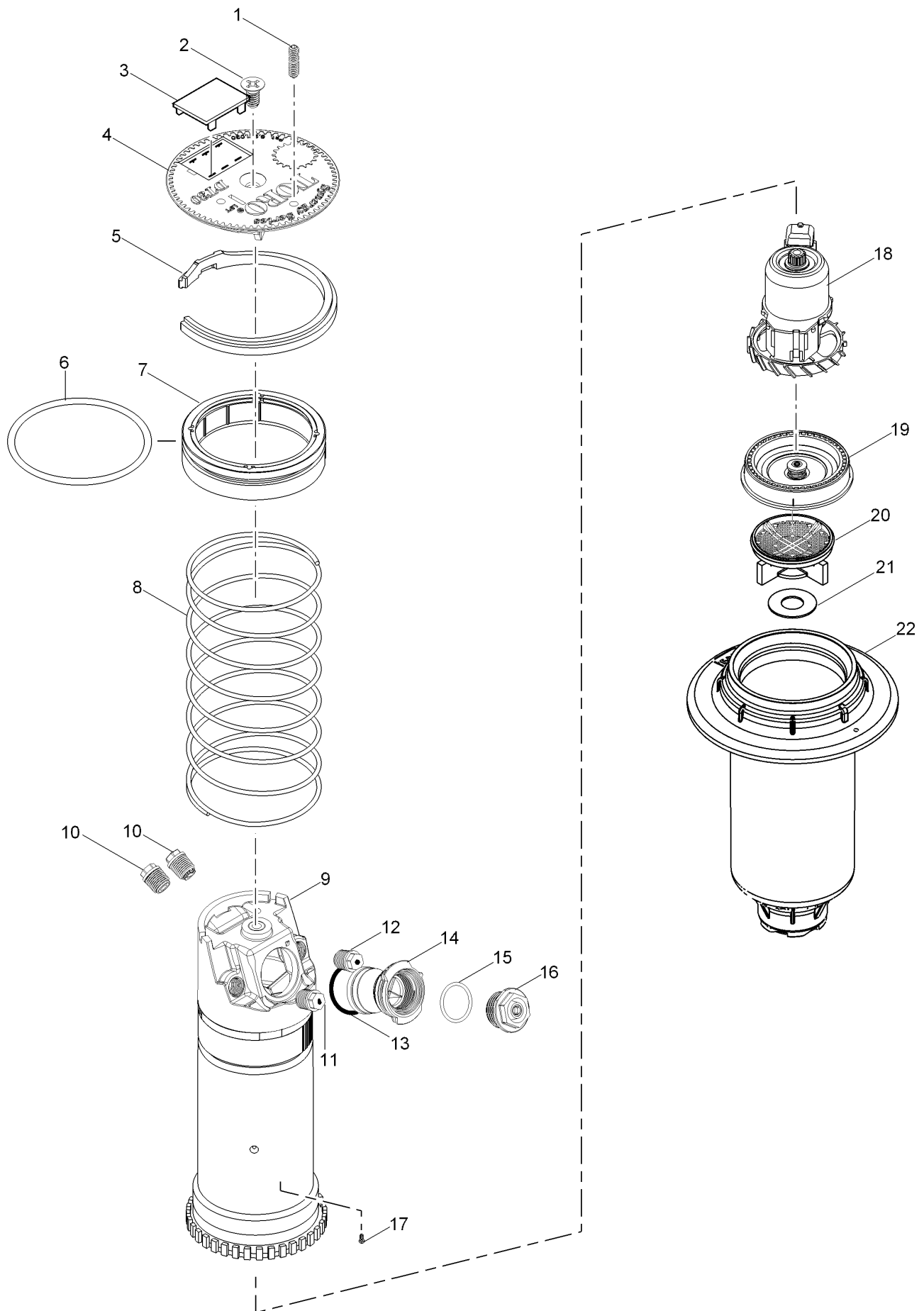
## DT35 Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        |
|-------------|--------------------|-------------|------------------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------------------|
| 1           | 363-4839           | 1           | Radius Reduction Screw                                                             | 19          | 102-1939           | 1           | Stator Assembly, Low Flow<br>(Used With #1-4 Main<br>Nozzles)             |
| 2           | 102-6138           | 1           | Screw, Cap, Black                                                                  | 19          | 118-7282           | 1           | Stator Assembly, Medium<br>Flow (Used With #5-7 Main<br>Nozzles)          |
| 3           | 89-1589            | 1           | Plug, Cap (Black)                                                                  | 20          | 102-1715           | 1           | Screen, Riser                                                             |
| 4           | 118-6918           | 1           | Cap, Flx Series                                                                    | 21          |                    | 1           | Body Assembly (See<br>Separated Golf Body<br>Assembly Section) ♦          |
| 4           | 118-6919           | 1           | Cap, Flx Series, Effluent                                                          | 22          |                    | 1           | Pilot Valve Assembly (See<br>Separated Pilot Valve<br>Assembly Section) ♦ |
| 5           | 89-1385            | 1           | Snap Ring, Riser                                                                   |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                                   |
| 6           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                                        |             | 102-5672           |             | Cap, Blank ●▲                                                             |
| 7           | 102-0134           | 1           | Retainer, Seal                                                                     |             | 102-5673           |             | Cap, Blank, Effluent ●▲                                                   |
| 8           | 102-0151           | 1           | Spring, Return                                                                     |             | YARDMARKYEL        | 1           | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ●▲                         |
| 9           | 102-5730           | 1           | Riser Assembly                                                                     |             | YARDMARKLAV        | 1           | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ●▲    |
| 10          | 102-4335           | 2           | Plug, Nozzle                                                                       |             | FLX35-3134         | 1           | Conversion Assy., W/ #31,<br>32, 33, 34 Nozzles ●▲                        |
| 11          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow<br>W/ White Helical Restrictor<br>(Used W/ #0-5 Mains)  |             | FLX35-3134E        | 1           | Conversion Assy., W/ #31,<br>32, 33, 34 Nozzles, Effluent<br>●▲           |
| 11          | 102-6531           | 1           | Nozzle Assy., Inner, Green<br>W/ White Helical Restrictor<br>(Used W/ #6-7 Mains)  |             | FLX35-3537         | 1           | Conversion Assy., W/ #35,<br>36, 37 Nozzles ●▲                            |
| 12          | 102-6942           | 1           | Intermediate Nozzle<br>Assy., Beige W/ Stream<br>Straightener (Used W/ #0<br>Main) |             | FLX35-3537E        | 1           | Conversion Assy., W/ #35,<br>36, 37 Nozzles, Effluent ●▲                  |
| 12          | 102-5671           | 1           | Intermediate Nozzle<br>Assy., Brown W/ Stream<br>Straightener (Used W/ #1<br>Main) |             | 995-08             |             | Valve Removal Tool ■▲                                                     |
| 12          | 102-6884           | 1           | Intermediate Nozzle, Yellow<br>(Used W/ #2-4 Mains)                                |             | 995-76             |             | Valve Insertion Tool ■▲                                                   |
| 12          | 102-6885           | 1           | Intermediate Nozzle, Green<br>(Used W/ #5-7 Mains)                                 |             | 995-15             |             | Selector Tool (Flag Key) ■▲                                               |
| 13          | 102-5978           | 1           | O-Ring, Nozzle Housing                                                             |             | 995-99             |             | Nut Driver, 5/8" (For Main<br>Nozzle) ■▲                                  |
| 14          | 102-5597           | 1           | Nozzle Housing Assy.<br>(Includes Item 13)                                         |             | 995-105            |             | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■▲   |
| 15          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                |             | 995-83             |             | Multi-Purpose Tool ■▲                                                     |
| 16          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                                           |             | 995-85             |             | Riser Removal Tool ■▲                                                     |
| 16          | 102-6906           | 1           | Nozzle, Main, #31, Yellow                                                          |             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■▲                          |
| 16          | 102-0726           | 1           | Nozzle, Main, #32, Blue                                                            |             | 995-102            | 1           | Riser Hold-Up Tool,<br>Universal ■▲                                       |
| 16          | 102-6907           | 1           | Nozzle, Main, #33, Brown                                                           |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ●▲                                                |
| 16          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                                          |             |                    |             |                                                                           |
| 16          | 102-6955           | 1           | Nozzle, Main, #35, Green                                                           |             |                    |             |                                                                           |
| 16          | 102-6935           | 1           | Nozzle, Main, #36, Gray                                                            |             |                    |             |                                                                           |
| 16          | 102-6936           | 1           | Nozzle, Main, #37, Black                                                           |             |                    |             |                                                                           |
| 17          | 363-4236           | 1           | Screw, Drive                                                                       |             |                    |             |                                                                           |
| 18          | 102-4504           | 1           | Drive Assy., 12-Pack                                                               |             |                    |             |                                                                           |
| 19          | 102-6929           | 1           | Stator, Low Flow, High<br>Velocity (Used W/ #0 Main)                               |             |                    |             |                                                                           |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

# DT35B Series Sprinkler



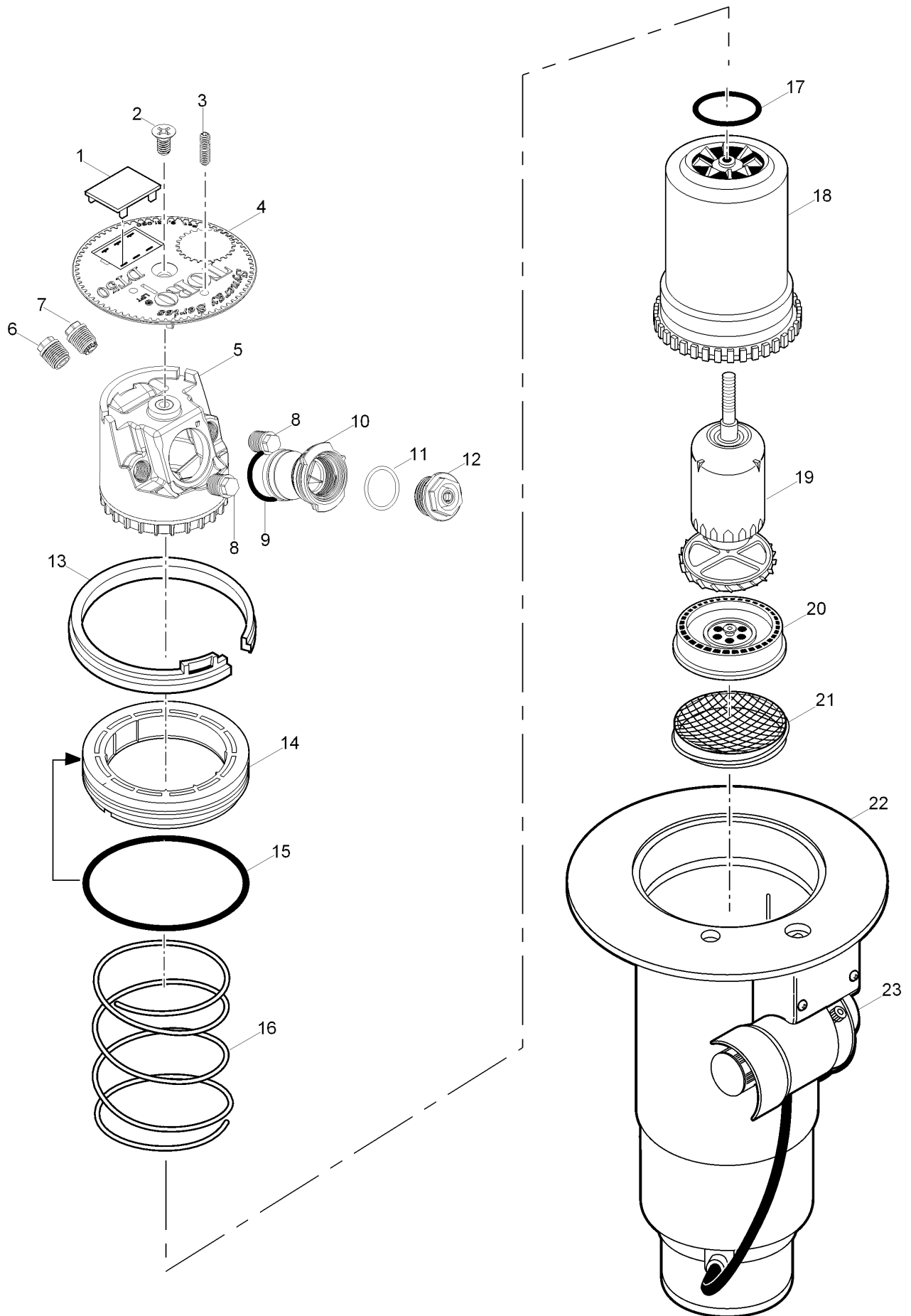
## DT35B Series Sprinkler (continued)

| Ref. | Part Number | Qty. | Description                                                                 | Ref. | Part Number   | Qty. | Description                                                       |
|------|-------------|------|-----------------------------------------------------------------------------|------|---------------|------|-------------------------------------------------------------------|
| 1    | 363-4839    | 1    | Radius Reduction Screw                                                      | 16   | 102-6955      | 1    | Nozzle, Main, #35, Green                                          |
| 2    | 102-6138    | 1    | Screw, Cap, Black                                                           | 16   | 102-6935      | 1    | Nozzle, Main, #36, Gray                                           |
| 3    | 89-1589     | 1    | Plug, Cap (Black)                                                           | 16   | 102-6936      | 1    | Nozzle, Main, #37, Black                                          |
| 4    | 118-6918    | 1    | Cap, Flx Series                                                             | 16   | 102-4260      | 1    | Nozzle, Main, #58, Red                                            |
| 4    | 118-6919    | 1    | Cap, Flx Series, Effluent                                                   | 17   | 363-4236      | 1    | Screw, Drive                                                      |
| 5    | 89-1385     | 1    | Snap Ring, Riser                                                            | 18   | 102-4504      | 1    | Drive Assy., 12-Pack                                              |
| 6    | 363-4102    | 1    | O-Ring, Paraffin As-568 232                                                 | 19   | 102-6929      | 1    | Stator, Low Flow, High Velocity (Used W/ #0 Main Nozzle)          |
| 7    | 102-0134    | 1    | Retainer, Seal                                                              | 19   | 102-1939      | 1    | Stator Assembly, Low Flow (Used With #1-4 Main Nozzles)           |
| 8    | 102-0151    | 1    | Spring, Return                                                              | 19   | 118-7282      | 1    | Stator Assembly, Medium Flow (Used W/ #5-8 Mains)                 |
| 9    | 102-5730    | 1    | Riser Assembly                                                              | 20   | 102-5152      | 1    | Screen, Riser, W/ Check Seal Holder                               |
| 10   | 102-4335    | 2    | Plug, Nozzle                                                                | 21   | 102-7437      | 1    | Seal, Check                                                       |
| 11   | 102-5670    | 1    | Nozzle Assy. Inner, Yellow W/ White Helical Restrictor (Used W/ #0-5 Mains) | 22   | 102-7419      | 1    | Body, Npt                                                         |
| 11   | 102-6531    | 1    | Nozzle Assy., Inner, Green W/ White Helical Restrictor (Used W/ #6-8 Mains) | 22   | 102-7421      | 1    | Body, Acme                                                        |
| 12   | 102-6942    | 1    | Intermediate Nozzle Assy., Beige W/ Stream Straightener (Used W/ #0 Main)   |      | 118-1521      | 1    | Adapter, Main Nozzle ■◆                                           |
| 12   | 102-5671    | 1    | Intermediate Nozzle Assy., Brown W/ Stream Straightener (Used W/ #1 Main)   |      | 102-5672      |      | Cap, Blank ■◆                                                     |
| 12   | 102-6884    | 1    | Intermediate Nozzle, Yellow (Used W/ #2-4 Mains)                            |      | 102-5673      |      | Cap, Blank, Effluent ■◆                                           |
| 12   | 102-6885    | 1    | Intermediate Nozzle, Green (Used W/ #5-8 Mains)                             |      | YARDMARKYEL 1 | 1    | Yardage Marker, Yellow (10-Sheets Per Pack) ■◆                    |
| 13   | 102-5978    | 1    | O-Ring, Nozzle Housing                                                      |      | YARDMARKLAV 1 | 1    | Yardage Marker, Lavender (For Non-Potable Water Applications) ■◆  |
| 14   | 102-5597    | 1    | Nozzle Housing Assy. (Includes Item 3)                                      |      | 995-99        |      | Nut Driver, 5/8" (For Main Nozzle) ▲◆                             |
| 15   | 363-4978    | 1    | O-Ring, Main Nozzle                                                         |      | 995-105       |      | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ▲◆ |
| 16   | 102-2208    | 1    | Nozzle, Main, #30 (Plug)                                                    |      | 995-83        |      | Multi-Purpose Tool ●◆                                             |
| 16   | 102-6906    | 1    | Nozzle, Main, #31, Yellow                                                   |      | 995-85        |      | Riser Removal Tool ▲◆                                             |
| 16   | 102-0726    | 1    | Nozzle, Main, #32, Blue                                                     |      | 995-102       | 1    | Riser Hold-Up Tool, Universal ▲◆                                  |
| 16   | 102-6907    | 1    | Nozzle, Main, #33, Brown                                                    |      | 118-0954      | 1    | Riser Hold-Up Tool, Red ■◆                                        |
| 16   | 102-0728    | 1    | Nozzle, Main, #34, Orange                                                   |      |               |      |                                                                   |

● Service Tool  
▲ SERVICE TOOLS

■ SERVICE ITEMS  
◆ Not illustrated

# DT54 Series Sprinkler



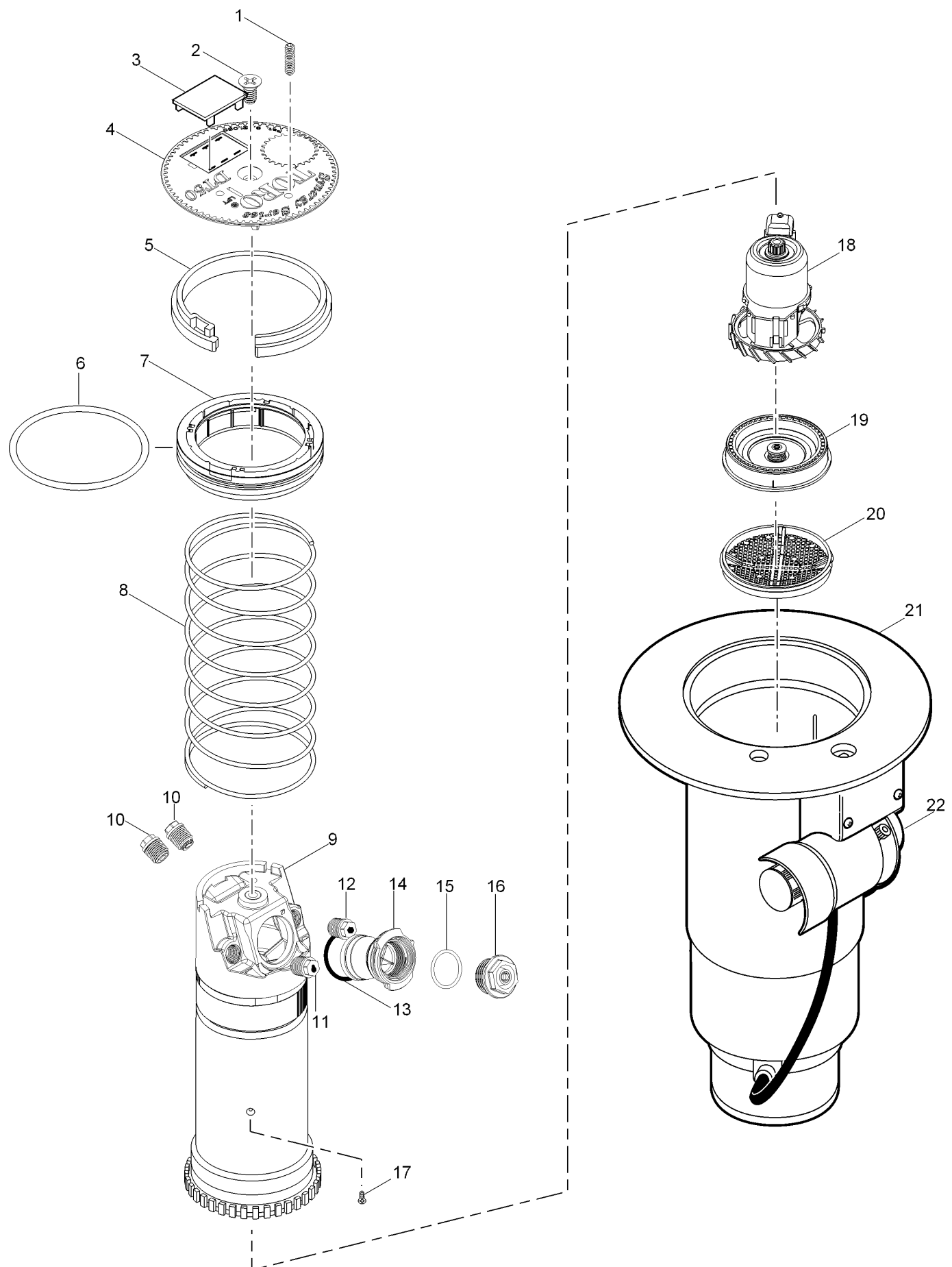
## DT54 Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|--------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 89-1589            |             | Plug, Cap (Black)                                                              | 20          | 118-7282           | 1           | Stator Assembly, High Flow (Used W/ #9 Main)                            |
| 2           | 102-0362           |             | Screw, Cap                                                                     | 21          | 102-1715           |             | Screen, Riser                                                           |
| 3           | 363-4839           |             | Radius Reduction Screw                                                         | 22          |                    |             | Body Assembly (See Separate Golf Body Assembly Section.) ♦              |
| 4           | 118-6922           | 1           | Cap, Flx 54/55                                                                 | 23          |                    |             | Pilot Valve Assembly (See Separate Pilot Valve Assembly Section.) ♦     |
| 4           | 102-5589           |             | Cap, Dt 54/55, Effluent                                                        |             | 102-2208           |             | Nozzle, Main, #30 (Plug) ●▲                                             |
| 5           | 102-5837           |             | Nozzle Base Assembly                                                           |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                                 |
| 6           | 102-2925           |             | Intermediate Nozzle, Blue (Used W/ #1 Main)                                    |             | 102-5675           |             | Cap, Blank, Effluent ●▲                                                 |
| 6           | 102-2926           |             | Intermediate Nozzle, Orange (Used W/ #2 Main)                                  |             | 102-0950           |             | Adapter, Conversion ●▲                                                  |
| 6           | 102-2928           |             | Intermediate Nozzle, Red (Used W/ #3 Main)                                     |             | 102-5011           |             | Adapter, Conversion, 690 ●▲                                             |
| 6           | 102-2929           |             | Intermediate Nozzle, Beige (Used W/ #4-5 Mains)                                | YARDMARKYEL | 1                  |             | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                          |
| 6           | 102-6944           |             | Intermediate Nozzle Assy., Red W/ Stream Straightener (Used W/ #6 Main)        | YARDMARKLAV | 1                  |             | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲        |
| 6           | 102-6945           |             | Intermediate Nozzle Assy., Gray W/ Stream Straightener (Used W/ #7-9 Mains)    | FLX54-5154  | 1                  |             | Conversion, Full Circle, W/ #51, 52, 53, 54 Nozzles ●▲                  |
| 6           | 102-6883           |             | Intermediate Nozzle, Brown (Used W/ #7-8 Mains, Front Position, Right Of Main) | FLX54-5154E | 1                  |             | Conversion, Full Circle, W/ #51, 52, 53, 54 Nozzles And Effluent Cap ●▲ |
| 7           | 102-6937           |             | Nozzle Assy. Inner, Yellow Nozzle W/ Yellow Helical Restrictor                 | FLX54-5558  | 1                  |             | Conversion Assembly, 854S W/ #55, 56, 57, 58 Nozzles ●▲                 |
| 8           | 102-4335           |             | Plug, Nozzle                                                                   | FLX54-5558E | 1                  |             | Conversion, Full Circle, W/ #55, 56, 57, 58 Nozzles And Effluent Cap ●▲ |
| 9           | 102-5978           |             | O-Ring, Nozzle Housing                                                         | FLX54-59    | 1                  |             | Conversion, Full Circle, W/ #59 Nozzle ●▲                               |
| 10          | 102-5597           |             | Nozzle Housing Assy. (Includes Item 9)                                         | FLX54-59E   | 1                  |             | Conversion, Full Circle, W/ #59 Nozzle And Effluent Cap ●▲              |
| 11          | 363-4978           | 1           | O-Ring, Main Nozzle                                                            | 995-09      |                    |             | Valve Removal Tool ■▲                                                   |
| 12          | 102-0725           |             | Nozzle, Main, #31, Yellow                                                      | 995-101     |                    |             | Valve Insertion Tool ■▲                                                 |
| 12          | 102-7001           |             | Nozzle, Main, #32, Blue                                                        | 995-15      |                    |             | Selector Tool (Flag Key) ■▲                                             |
| 12          | 102-0727           |             | Nozzle, Main, #33, Brown                                                       | 995-99      |                    |             | Nut Driver, 5/8" (For Main Nozzle) ■▲                                   |
| 12          | 102-7002           |             | Nozzle, Main, #34, Orange                                                      | 995-105     |                    |             | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲       |
| 12          | 102-6908           |             | Nozzle, Main, #35, Green                                                       | 995-83      |                    |             | Multi-Purpose Tool ■▲                                                   |
| 12          | 102-0730           |             | Nozzle, Main, #36, Gray                                                        | 995-85      |                    |             | Riser Removal Tool ■▲                                                   |
| 12          | 102-4261           |             | Nozzle, Main, #37, Black                                                       | 995-100     |                    |             | Valve Snap Ring Pliers With Screen Remover ■▲                           |
| 12          | 102-4260           |             | Nozzle, Main, #58, Red                                                         | 995-102     | 1                  |             | Riser Hold-Up Tool, Universal ■                                         |
| 12          | 102-4259           |             | Nozzle, Main, #59, Beige                                                       | 118-0954    | 1                  |             | Riser Hold-Up Tool, Red ●▲                                              |
| 13          | 35-6119            |             | Snap Ring, Riser                                                               |             |                    |             |                                                                         |
| 14          | 102-0136           |             | Retainer, Seal, 1.5"                                                           |             |                    |             |                                                                         |
| 15          | 363-4103           |             | O-Ring, Body                                                                   |             |                    |             |                                                                         |
| 16          | 102-0151           |             | Spring, Return                                                                 |             |                    |             |                                                                         |
| 17          | 363-4167           |             | O-Ring, Nozzle Base                                                            |             |                    |             |                                                                         |
| 18          | 102-0203           |             | Riser Assembly                                                                 |             |                    |             |                                                                         |
| 19          | 102-4503           |             | Drive Assembly, 12-Pack                                                        |             |                    |             |                                                                         |
| 20          | 102-6929           |             | Stator, Low Flow, High Velocity (Used W/ #1-4 Mains)                           |             |                    |             |                                                                         |
| 20          | 102-1940           |             | Stator Assembly, Medium Flow (Used W/ #5-8 Mains)                              |             |                    |             |                                                                         |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

DT55



## DT55 (continued)

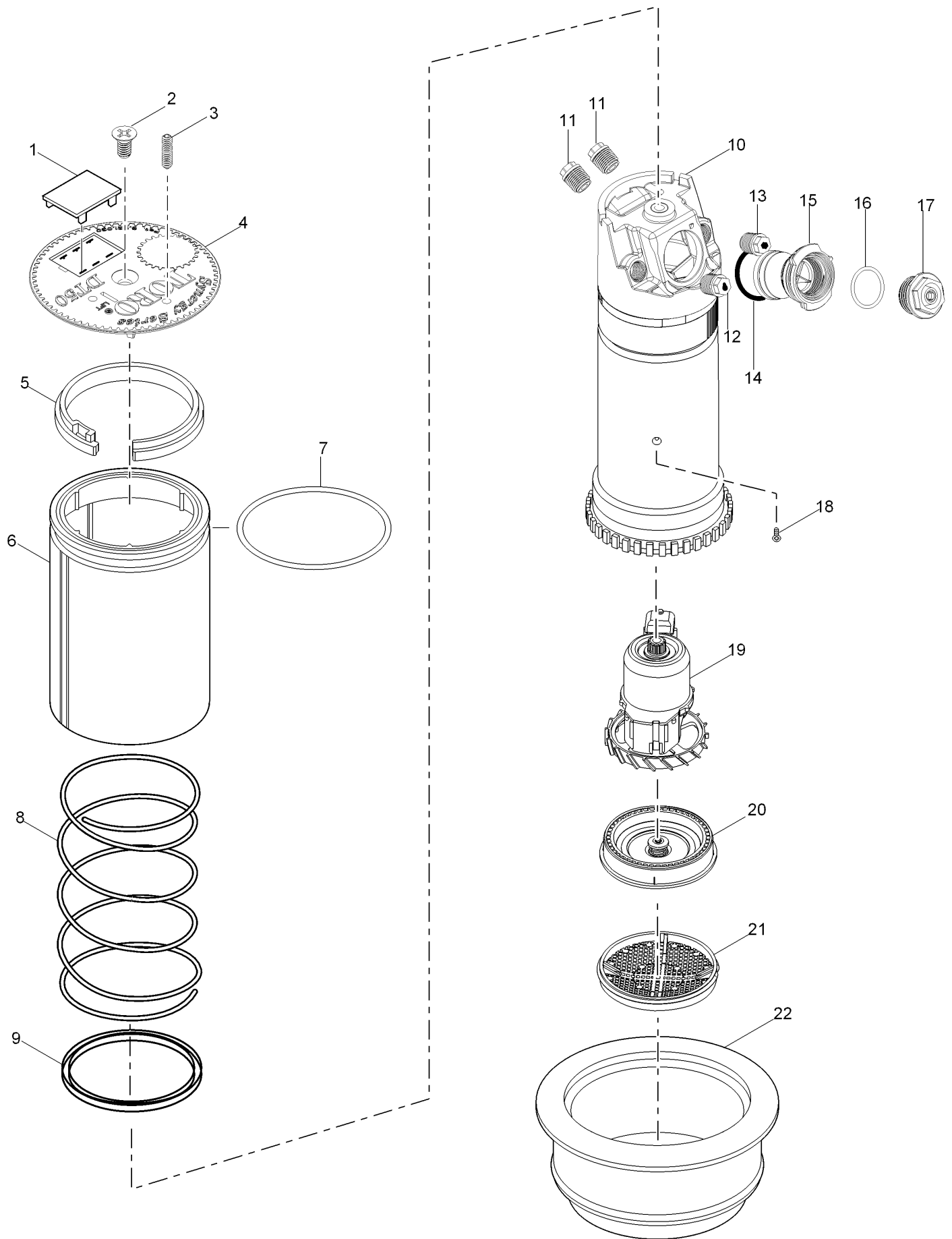
| Ref. | Part Number | Qty. | Description                                                                 |
|------|-------------|------|-----------------------------------------------------------------------------|
| 1    | 363-4839    | 1    | Radius Reduction Screw                                                      |
| 2    | 102-6138    | 1    | Screw, Cap, Black                                                           |
| 3    | 89-1589     | 1    | Plug, Cap (Black)                                                           |
| 4    | 118-6922    | 1    | Cap, Flx 54/55                                                              |
| 4    | 102-5589    | 1    | Cap, Dt 54/55, Effluent                                                     |
| 5    | 35-6119     | 1    | Snap Ring, Riser                                                            |
| 6    | 363-4103    | 1    | O-Ring, Body                                                                |
| 7    | 102-0136    | 1    | Retainer, Seal, 1.5"                                                        |
| 8    | 102-0151    | 1    | Spring, Return                                                              |
| 9    | 102-5982    | 1    | Riser Assembly                                                              |
| 10   | 102-4335    | 2    | Plug, Nozzle                                                                |
| 11   | 102-5670    | 1    | Nozzle Assy. Inner, Yellow W/ White Helical Restrictor (Used W/ #1-5 Mains) |
| 11   | 102-6531    | 1    | Nozzle Assy., Inner, Green W/ White Helical Restrictor (Used W/ #6-9 Mains) |
| 12   | 102-6884    | 1    | Intermediate Nozzle, Yellow (Used W/ #2-4 Mains)                            |
| 12   | 102-6885    | 1    | Intermediate Nozzle, Green (Used W/ #5-9 Mains)                             |
| 12   | 102-5671    | 1    | Intermediate Nozzle Assy., Brown W/ Stream Straightener (Used W/ #1 Main)   |
| 13   | 102-5978    | 1    | O-Ring, Nozzle Housing                                                      |
| 14   | 102-5597    | 1    | Nozzle Housing Assy. (Includes Item 13)                                     |
| 15   | 363-4978    | 1    | O-Ring, Main Nozzle                                                         |
| 16   | 102-6906    | 1    | Nozzle, Main, #31, Yellow                                                   |
| 16   | 102-0726    | 1    | Nozzle, Main, #32, Blue                                                     |
| 16   | 102-6907    | 1    | Nozzle, Main, #33, Brown                                                    |
| 16   | 102-0728    | 1    | Nozzle, Main, #34, Orange                                                   |
| 16   | 102-6955    | 1    | Nozzle, Main, #35, Green                                                    |
| 16   | 102-6935    | 1    | Nozzle, Main, #36, Gray                                                     |
| 16   | 102-6936    | 1    | Nozzle, Main, #37, Black                                                    |
| 16   | 102-6909    | 1    | Nozzle, Main, #58, Red                                                      |
| 16   | 102-4259    | 1    | Nozzle, Main, #59, Beige                                                    |
| 17   | 363-4236    | 1    | Screw, Drive                                                                |
| 18   | 102-4504    | 1    | Drive Assy., 12-Pack                                                        |
| 19   | 102-1939    | 1    | Stator Assembly, Low Flow (Used With #1-4 Main Nozzles)                     |
| 19   | 118-7282    | 1    | stator Assembly, Medium Flow (Used W/ #5-8 Mains)                           |
| 19   | 102-1941    | 1    | Stator Assembly, High-Flow (Used W/ #9 Main)                                |
| 20   | 102-1715    | 1    | Screen, Riser                                                               |
| 21   |             | 1    | Body Assembly (See Golf Sprinkler Body Assembly Section) ♦                  |
| 22   |             | 1    | Pilot Valve Assembly (See Pilot Valve Assembly Section) ♦                   |
|      | 102-2208    |      | Nozzle, Main, #30 (Plug) ●▲                                                 |
|      | 118-1521    | 1    | Adapter, Main Nozzle ●▲                                                     |
|      | 102-5675    |      | Cap, Blank, Effluent ●▲                                                     |
|      | 102-0950    |      | Adapter, Conversion ●▲                                                      |

| Ref. | Part Number  | Qty. | Description                                                                            |
|------|--------------|------|----------------------------------------------------------------------------------------|
|      | 102-5011     |      | Adapter, Conversion, 690 ●▲                                                            |
|      | YARDMARKYEL  | 1    | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                                         |
|      | YARDMARKLAV  | 1    | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲                       |
|      | FLX55-5154   | 1    | Conversion, Part & Full Circle, W/ #51-54 Nozzles ●▲                                   |
|      | FLX55-5154E  | 1    | Conversion, Part & Full Circle, W/ #51-54 Nozzles And Effluent Cap ●▲                  |
|      | FLX55-5154R  | 1    | Conversion, Part & Full Circle, W/ #51-54 Nozzles For Ribless Bodies ●▲                |
|      | FLX55-5154RE | 1    | Conversion, Part & Full Circle, W/ #51-54 Nozzles & Effluent Cap For Ribless Bodies ●▲ |
|      | FLX55-5558   | 1    | Conversion, Part & Full Circle, W/ #55-58 Nozzles ●▲                                   |
|      | FLX55-5558E  | 1    | Conversion, Part & Full Circle, W/ #55-58 Nozzles And Effluent Cap ●▲                  |
|      | FLX55-5558R  | 1    | Conversion, Part & Full Circle, W/ #55-58 Nozzles For Ribless Bodies ●▲                |
|      | FLX55-5558RE | 1    | Conversion, Part & Full Circle, W/ #55-58 Nozzles & Effluent Cap For Ribless Bodies ●▲ |
|      | FLX55-59     | 1    | Conversion, Part & Full Circle, W/ #59 Nozzle ●▲                                       |
|      | FLX55-59E    | 1    | Conversion, Part & Full Circle, W/ #59 Nozzle And Effluent Cap ●▲                      |
|      | FLX55-59R    | 1    | Conversion, Part & Full Circle, W/ #59 Nozzle For Ribless Bodies ●▲                    |
|      | FLX55-59RE   | 1    | Conversion, Part & Full Circle, W/ #59 Nozzle & Effluent Cap For Ribless Bodies ●▲     |
|      | 995-09       |      | Valve Removal Tool ■▲                                                                  |
|      | 995-101      |      | Valve Insertion Tool ■▲                                                                |
|      | 995-15       |      | Selector Tool (Flag Key) ■▲                                                            |
|      | 995-99       |      | Nut Driver, 5/8" (For Main Nozzle) ■▲                                                  |
|      | 995-105      |      | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲                      |
|      | 995-83       |      | Multi-Purpose Tool ■▲                                                                  |
|      | 995-85       |      | Riser Removal Tool ■▲                                                                  |
|      | 995-100      |      | Valve Snap Ring Pliers With Screen Remover ■▲                                          |
|      | 995-102      | 1    | Riser Hold-Up Tool, Universal ■▲                                                       |
|      | 118-0954     | 1    | Riser Hold-Up Tool, Red ●▲                                                             |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

# DT55 Ribless Body Conversion





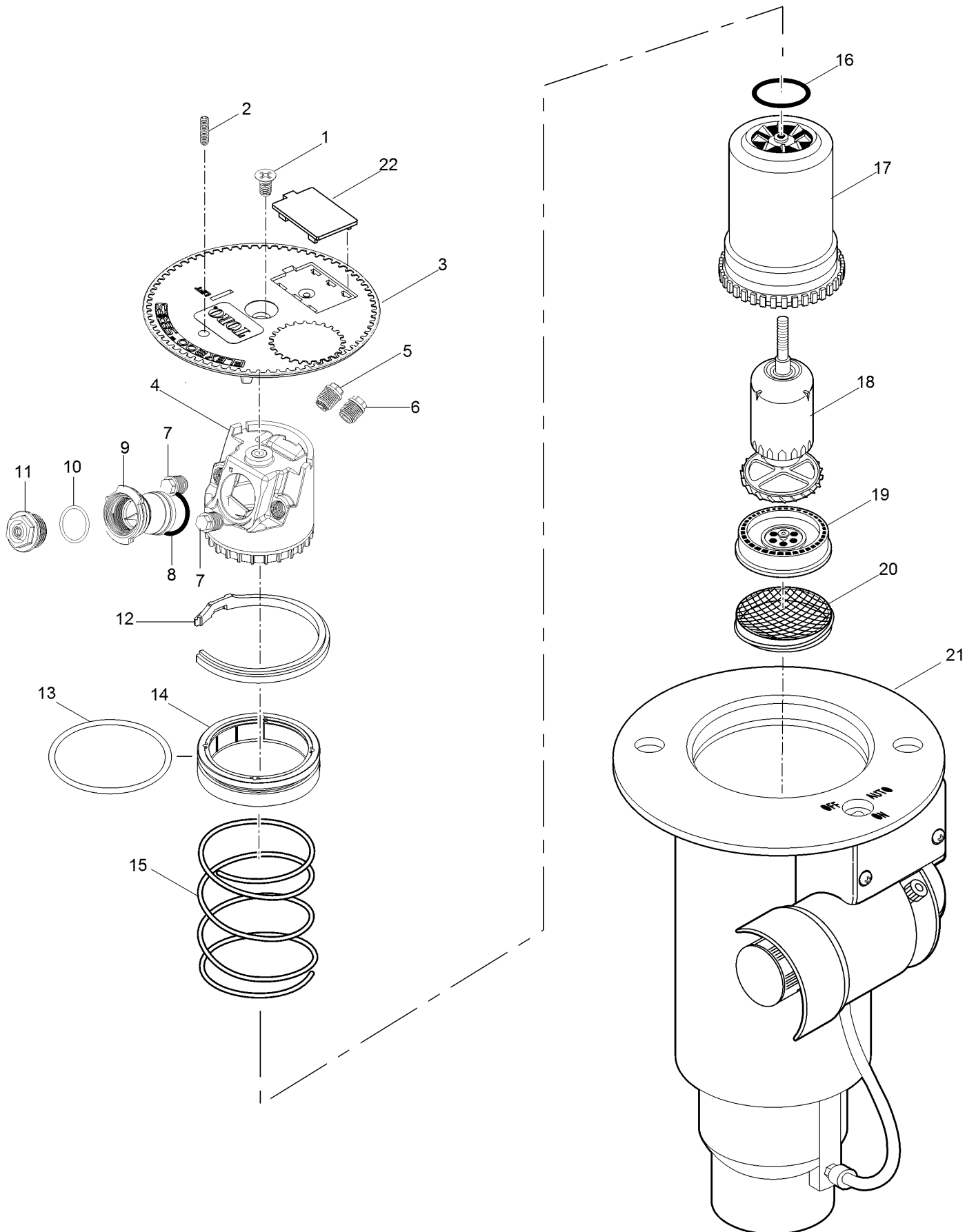
## DT55 Ribless Body Conversion (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|-----------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 89-1589            | 1           | Plug, Cap (Black)                                                           | 17          | 102-6955           | 1           | Nozzle, Main, #35, Green                                          |
| 2           | 102-6138           | 1           | Screw, Cap, Black                                                           | 17          | 102-6935           | 1           | Nozzle, Main, #36, Gray                                           |
| 3           | 363-4839           | 1           | Radius Reduction Screw                                                      | 17          | 102-6936           | 1           | Nozzle, Main, #37, Black                                          |
| 4           | 118-6922           | 1           | Cap, Flx 54/55                                                              | 17          | 102-6909           | 1           | Nozzle, Main, #58, Red                                            |
| 4           | 102-5589           | 1           | Cap, Dt 54/55, Effluent                                                     | 17          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                          |
| 5           | 35-6119            | 1           | Snap Ring, Riser                                                            | 18          | 363-4236           | 1           | Screw, Drive                                                      |
| 6           | 89-7568            | 1           | Sleeve, Retainer, O-Ring, Conversion                                        | 19          | 102-4504           | 1           | Drive Assy., 12-Pack                                              |
| 7           | 363-4103           | 1           | O-Ring, Body                                                                | 20          | 102-1939           | 1           | Stator Assembly, Low Flow (Used With #1-4 Main Nozzles)           |
| 8           | 102-0151           | 1           | Spring, Return                                                              | 20          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #5-8 Mains)                 |
| 9           | 89-7569            | 1           | Seal, Riser                                                                 | 20          | 102-1941           | 1           | Stator Assembly, High-Flow (Used W/ #9 Main)                      |
| 10          | 102-5730           | 1           | Riser Assembly                                                              | 21          | 102-1715           | 1           | Screen, Riser                                                     |
| 11          | 102-4335           | 2           | Plug, Nozzle                                                                | 22          | 102-0950           | 1           | Adapter, Conversion                                               |
| 12          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow W/ White Helical Restrictor (Used W/ #1-5 Mains) |             | 102-5674           |             | Cap, Blank ●▲                                                     |
| 12          | 102-6531           | 1           | Nozzle Assy., Inner, Green W/ White Helical Restrictor (Used W/ #6-9 Mains) |             | 102-5675           |             | Cap, Blank, Effluent ●▲                                           |
| 13          | 102-5671           | 1           | Intermediate Nozzle Assy., Brown W/ Stream Straightener (Used W/ #1 Main)   |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                           |
| 13          | 102-6884           | 1           | Intermediate Nozzle, Yellow (Used W/ #2-4 Mains)                            |             | YARDMARKYEL        | 1           | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                    |
| 13          | 102-6885           | 1           | Intermediate Nozzle, Green (Used W/ #5-9 Mains)                             |             | YARDMARKLAV        | 1           | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲  |
| 14          | 102-5978           | 1           | O-Ring, Nozzle Housing                                                      |             | 995-99             |             | Nut Driver, 5/8" (For Main Nozzle) ■▲                             |
| 15          | 102-5597           | 1           | Nozzle Housing Assy. (Includes Item 14)                                     |             | 995-105            |             | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲ |
| 16          | 363-4978           | 1           | O-Ring, Main Nozzle                                                         |             | 995-83             |             | Multi-Purpose Tool ■▲                                             |
| 17          | 102-6906           | 1           | Nozzle, Main, #31, Yellow                                                   |             | 995-85             |             | Riser Removal Tool ■▲                                             |
| 17          | 102-0726           | 1           | Nozzle, Main, #32, Blue                                                     |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■▲                                  |
| 17          | 102-6907           | 1           | Nozzle, Main, #33, Brown                                                    |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ●▲                                        |
| 17          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                                   |             |                    |             |                                                                   |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# FLX34 Series Golf Sprinkler w/ Dual Trajectory



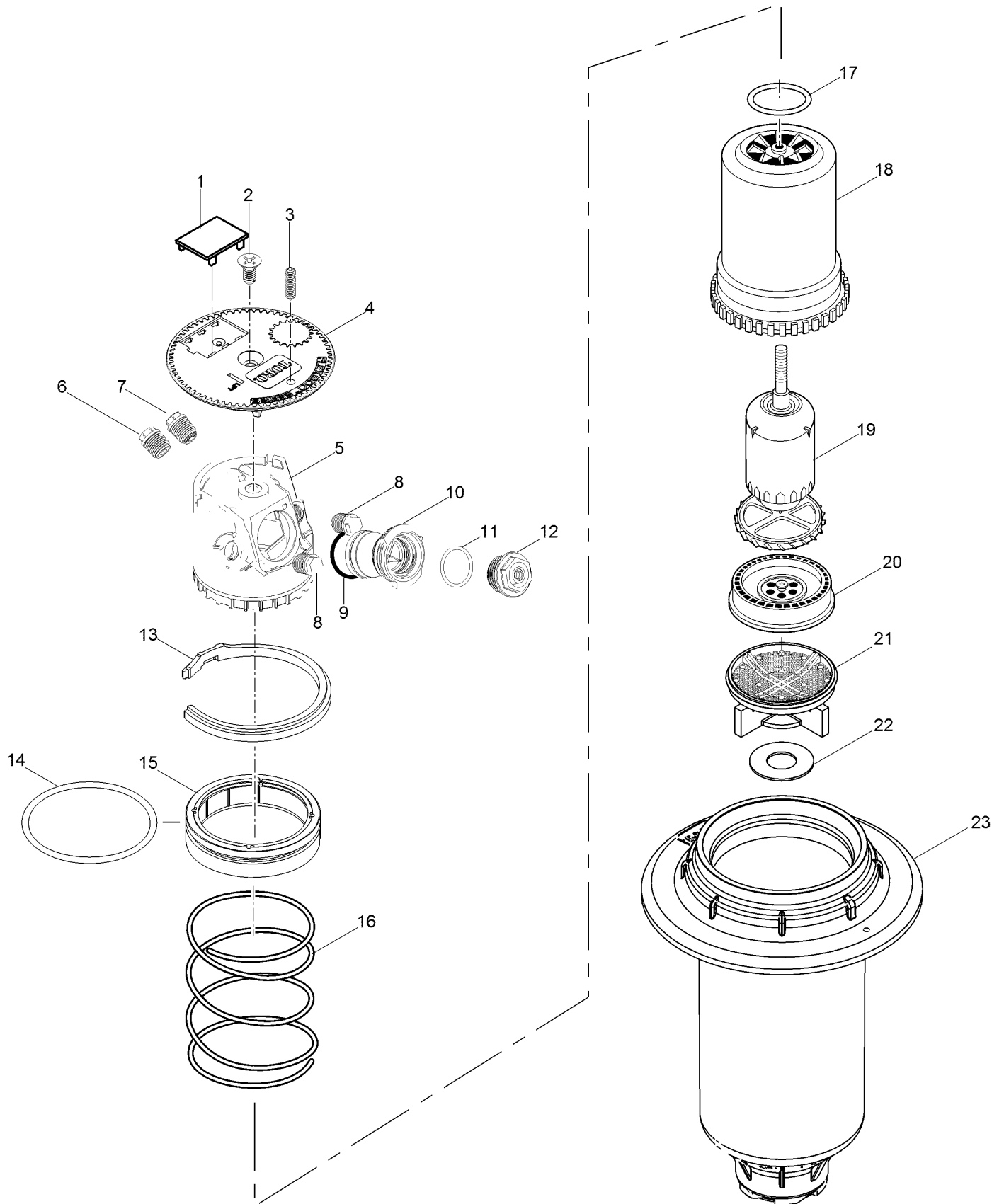
# FLX34 Series Golf Sprinkler w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-0362           | 1           | Screw, Cap                                                                                              | 11          | 118-1521           | 1           | Adapter, Main Nozzle                                                    |
| 2           | 363-4839           | 1           | Radius Reduction Screw                                                                                  | 12          | 89-1385            | 1           | Snap Ring, Riser                                                        |
| 3           | 118-6918           | 1           | Cap, Flx Series                                                                                         | 13          | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                             |
| 3           | 118-6919           | 1           | Cap, Flx Series, Effluent                                                                               | 14          | 102-0134           | 1           | Retainer, Seal                                                          |
| 4           | 102-5837           | 1           | Nozzle Base Assembly                                                                                    | 15          | 102-0151           | 1           | Spring, Return                                                          |
| 5           | 102-2925           | 1           | Intermediate Nozzle, Blue<br>(Used With #31 Main<br>Nozzle)                                             | 16          | 363-4167           | 1           | O-Ring, Nozzle Base                                                     |
| 5           | 102-2926           | 1           | Intermediate Nozzle,<br>Orange (Used With #32<br>Main Nozzle)                                           | 17          | 102-0202           | 1           | Riser                                                                   |
| 5           | 102-2928           | 1           | Intermediate Nozzle, Red<br>(Used With #33 Main<br>Nozzle)                                              | 18          | 102-4503           | 1           | Drive Assembly, 12-Pack                                                 |
| 5           | 102-2929           | 1           | Intermediate Nozzle, Beige<br>(Used With #34 And #35<br>Main Nozzles)                                   | 19          | 102-6929           | 1           | Stator, Low Flow, High<br>Velocity (Used With #31-34<br>Main Nozzles)   |
| 5           | 102-6944           | 1           | Intermediate Nozzle Assy.,<br>Red W/ Stream Straightener<br>(Used With #36 Main<br>Nozzle)              | 19          | 102-1940           | 1           | Stator Assembly, Medium<br>Flow (Used With #35-37<br>Main Nozzles)      |
| 5           | 102-6945           | 1           | Intermediate Nozzle<br>Assy., Gray W/ Stream<br>Straightener (Used With #37<br>Main Nozzle)             | 20          | 102-1715           | 1           | Screen, Riser                                                           |
| 5           | 102-6883           | 1           | Intermediate Nozzle, Brown<br>(Used W/ #7 Main Nozzle,<br>Front Position On The Right<br>Side Of Main.) | 21          |                    | 1           | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ▲        |
| 6           | 102-6937           | 1           | Nozzle Assy. Inner, Yellow<br>Nozzle W/ Yellow Helical<br>Restrictor                                    | 22          | 89-1589            | 1           | Plug, Cap (Black)                                                       |
| 7           | 102-4335           | 2           | Plug, Nozzle                                                                                            | 22          | 118-1103           | 1           | Plug, Cap (Lavender)                                                    |
| 8           | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                                  |             | 995-08             | 1           | Valve Removal Tool ■●                                                   |
| 9           | 102-5597           | 1           | Nozzle Housing Assy.                                                                                    |             | 995-76             | 1           | Valve Insertion Tool ■●                                                 |
| 10          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                                     |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                             |
| 11          | 102-0725           | 1           | Nozzle, Main, #31, Yellow                                                                               |             | 995-99             | 1           | Nut Driver, 5/8" (For Main<br>Nozzle) ■●                                |
| 11          | 102-7001           | 1           | Nozzle, Main, #32, Blue                                                                                 |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■● |
| 11          | 102-0727           | 1           | Nozzle, Main, #33, Brown                                                                                |             | 995-83             | 1           | Multi-Purpose Tool ■●                                                   |
| 11          | 102-7002           | 1           | Nozzle, Main, #34, Orange                                                                               |             | 995-85             | 1           | Riser Removal Tool ■●                                                   |
| 11          | 102-6908           | 1           | Nozzle, Main, #35, Green                                                                                |             | 995-100            | 1           | Valve Snap Ring Pliers With<br>Screen Remover ■●                        |
| 11          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                                                                 |             | 995-102            | 1           | Riser Hold-Up Tool,<br>Universal ■●                                     |
| 11          | 102-4261           | 1           | Nozzle, Main, #37, Black                                                                                |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                              |
| 11          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                                                                |             | 995-82             | 1           | Arc Adjustment Tool, 3/32 ■<br>●                                        |
|             |                    |             |                                                                                                         |             | 102-5672           | 1           | Cap, Blank ■●                                                           |
|             |                    |             |                                                                                                         |             | 102-5673           | 1           | Cap, Blank, Effluent ■●                                                 |
|             |                    |             |                                                                                                         |             | YARDMARKYEL        | 1           | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ■●                       |
|             |                    |             |                                                                                                         |             | YARDMARKLAV        | 1           | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ■●  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# FLX34B Series Sprinkler w/ Dual Trajectory



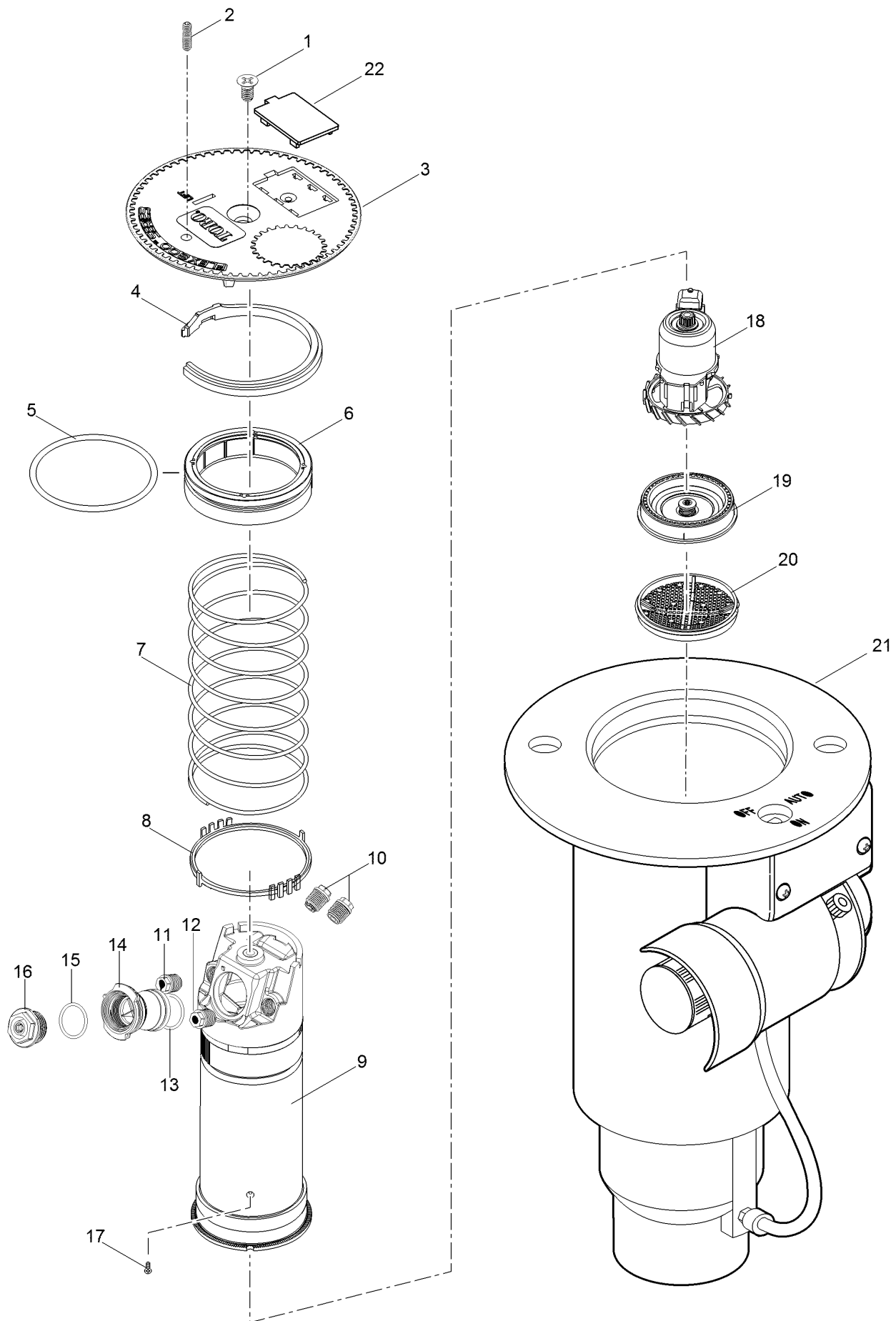
# FLX34B Series Sprinkler w/ Dual Trajectory (continued)

| Ref. | Part Number | Qty. | Description                                                                           | Ref. | Part Number | Qty. | Description                                                       |
|------|-------------|------|---------------------------------------------------------------------------------------|------|-------------|------|-------------------------------------------------------------------|
| 1    | 89-1589     | 1    | Plug, Cap (Black)                                                                     | 12   | 102-4260    | 1    | Nozzle, Main, #38, Red                                            |
| 1    | 118-1103    | 1    | Plug, Cap (Lavender)                                                                  | 12   | 102-2208    | 1    | Nozzle, Main, #30 (Plug)                                          |
| 2    | 102-0362    | 1    | Screw, Cap                                                                            | 12   | 118-1521    | 1    | Adapter, Main Nozzle                                              |
| 3    | 363-4839    | 1    | Radius Reduction Screw                                                                | 13   | 89-1385     | 1    | Snap Ring, Riser                                                  |
| 4    | 118-6918    | 1    | Cap, Flx34B (Black)                                                                   | 14   | 363-4102    | 1    | O-Ring, Paraffin As-568 232                                       |
| 4    | 118-6919    | 1    | Cap, Flx34B, Effluent (Lavender)                                                      | 15   | 102-0134    | 1    | Retainer, Seal                                                    |
| 5    | 102-5837    | 1    | Nozzle Base Assembly                                                                  | 16   | 102-0151    | 1    | Spring, Return                                                    |
| 6    | 102-2925    | 1    | Intermediate Nozzle, Blue (Used W/ #1 Main)                                           | 17   | 363-4167    | 1    | O-Ring, Nozzle Base                                               |
| 6    | 102-2926    | 1    | Intermediate Nozzle, Orange (Used W/ #2 Main)                                         | 18   | 102-0202    | 1    | Riser                                                             |
| 6    | 102-2928    | 1    | Intermediate Nozzle, Red (Used W/ #3 Main)                                            | 19   | 102-4503    | 1    | Drive Assembly, 12-Pack                                           |
| 6    | 102-2929    | 1    | Intermediate Nozzle, Beige (Used W/ #4 & 5 Mains)                                     | 20   | 102-6929    | 1    | Stator, Low Flow, High Velocity (Used W/ #1-4 Main Nozzles)       |
| 6    | 102-6944    | 1    | Intermediate Nozzle Assy., Red W/ Stream Straightener (Used W/ #6 Main)               | 20   | 102-1940    | 1    | Stator Assembly, Medium Flow (Used W/ #5-8 Main Nozzles)          |
| 6    | 102-6945    | 1    | Intermediate Nozzle Assy., Gray W/ Stream Straightener (Used With #7 & 8 Mains)       | 21   | 102-5152    | 1    | Screen, Riser, W/ Check Seal Holder                               |
| 6    | 102-6883    | 1    | Intermediate Nozzle, Brown (Used W/ #7 & 8 Main, Front Position On The Right Of Main) | 22   | 102-7437    | 1    | Seal, Check                                                       |
| 7    | 102-6937    | 1    | Nozzle Assy. Inner, Yellow Nozzle W/ Yellow Helical Restrictor                        | 23   | 102-7419    | 1    | Body, Npt                                                         |
| 8    | 102-4335    | 2    | Plug, Nozzle                                                                          | 23   | 102-7421    | 1    | Body, Acme                                                        |
| 9    | 102-5978    | 1    | O-Ring, Nozzle Housing                                                                |      | 102-2208    |      | Nozzle, Main, #30 (Plug) ●▲                                       |
| 10   | 102-5597    | 1    | Nozzle Housing Assy. (Includes Item 9)                                                |      | 118-1521    | 1    | Adapter, Main Nozzle ●▲                                           |
| 11   | 363-4978    | 1    | O-Ring, Main Nozzle                                                                   |      | 102-5672    |      | Cap, Blank ●▲                                                     |
| 12   | 102-0725    | 1    | Nozzle, Main, #31, Yellow                                                             |      | 102-5673    |      | Cap, Blank, Effluent ●▲                                           |
| 12   | 102-7001    | 1    | Nozzle, Main, #32, Blue                                                               |      | YARDMARKYEL | 1    | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                    |
| 12   | 102-0727    | 1    | Nozzle, Main, #33, Brown                                                              |      | YARDMARKLAV | 1    | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲  |
| 12   | 102-7002    | 1    | Nozzle, Main, #34, Orange                                                             |      | 995-99      |      | Nut Driver, 5/8" (For Main Nozzle) ■▲                             |
| 12   | 102-6908    | 1    | Nozzle, Main, #35, Green                                                              |      | 995-105     |      | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲ |
| 12   | 102-0730    | 1    | Nozzle, Main, #36, Gray                                                               |      | 995-83      |      | Multi-Purpose Tool ■▲                                             |
| 12   | 102-4261    | 1    | Nozzle, Main, #37, Black                                                              |      | 995-85      |      | Riser Removal Tool ■▲                                             |
|      |             |      |                                                                                       |      | 995-102     | 1    | Riser Hold-Up Tool, Universal ■▲                                  |
|      |             |      |                                                                                       |      | 118-0954    | 1    | Riser Hold-Up Tool, Red ●▲                                        |
|      |             |      |                                                                                       |      | 995-82      | 1    | Arc Adjustment Tool, 3/32 ●▲                                      |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# FLX35 Series Golf Sprinkler w/ Dual Trajectory



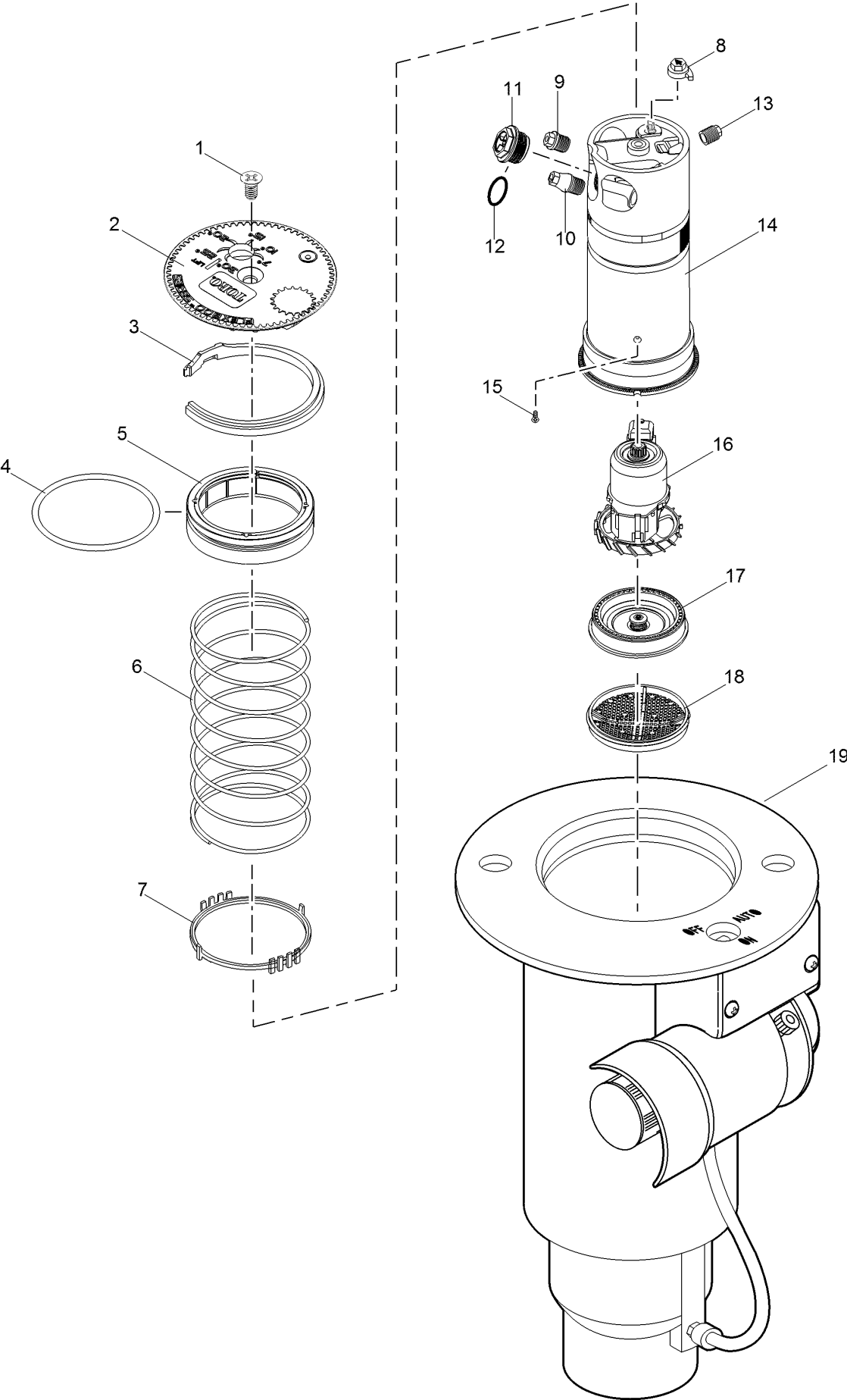
# FLX35 Series Golf Sprinkler w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                                      | 16          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                         |
| 2           | 363-4839           | 1           | Radius Reduction Screw                                                                 | 16          | 102-6955           | 1           | Nozzle, Main, #35, Green                                          |
| 3           | 118-6918           | 1           | Cap, Flx Series                                                                        | 16          | 102-6935           | 1           | Nozzle, Main, #36, Gray                                           |
| 3           | 118-6919           | 1           | Cap, Flx Series, Effluent                                                              | 16          | 102-6936           | 1           | Nozzle, Main, #37, Black                                          |
| 4           | 89-1385            | 1           | Snap Ring, Riser                                                                       | 16          | 118-1521           | 1           | Adapter, Main Nozzle                                              |
| 5           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                                            | 17          | 363-4236           | 1           | Screw, Drive                                                      |
| 6           | 102-0134           | 1           | Retainer, Seal                                                                         | 18          | 102-4504           | 1           | Drive Assy., 12-Pack                                              |
| 7           | 102-0151           | 1           | Spring, Return                                                                         | 19          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Used With #30 Main Nozzle)       |
| 8           | 102-2619           | 1           | Ratchet Ring, 1"                                                                       | 19          | 102-1939           | 1           | Stator Assembly, Low Flow (Used W/ #31-34 Mains)                  |
| 9           | 118-1079           | 1           | Riser Assembly                                                                         | 19          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #35-37 Mains)               |
| 10          | 102-4335           | 2           | Plug, Nozzle                                                                           | 20          | 102-1715           | 1           | Screen, Riser                                                     |
| 11          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow W/ White Helical Restrictor (Used With #30-35 Main Nozzles) | 21          |                    | 1           | Body Assembly (See Golf Body Assembly Section.) ▲                 |
| 11          | 102-6531           | 1           | Nozzle Assy., Inner, Green W/ White Helical Restrictor (Used With #36-37 Main Nozzles) | 22          | 89-1589            | 1           | Plug, Cap (Black)                                                 |
| 12          | 102-6942           | 1           | Intermediate Nozzle Assy., Beige W/ Stream Straightener (Used With #30 Main Nozzle)    | 22          | 118-1103           | 1           | Plug, Cap (Lavender)                                              |
| 12          | 102-5671           | 1           | Intermediate Nozzle Assy., Brown W/ Stream Straightener (Used With #31 Main Nozzle)    | 995-08      |                    | 1           | Valve Removal Tool ■●                                             |
| 12          | 102-6884           | 1           | Intermediate Nozzle, Yellow (Used With #32-34 Main Nozzles)                            | 995-76      |                    | 1           | Valve Insertion Tool ■●                                           |
| 12          | 102-6885           | 1           | Intermediate Nozzle, Green (Used With #35-37 Main Nozzles)                             | 995-15      |                    | 1           | Selector Tool (Flag Key) ■●                                       |
| 13          | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                 | 995-99      |                    | 1           | Nut Driver, 5/8" (For Main Nozzle) ■●                             |
| 14          | 102-5597           | 1           | Nozzle Housing Assy.                                                                   | 995-105     |                    | 1           | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■● |
| 15          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                    | 995-83      |                    | 1           | Multi-Purpose Tool ■●                                             |
| 16          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                                               | 995-85      |                    | 1           | Riser Removal Tool ■●                                             |
| 16          | 102-6906           | 1           | Nozzle, Main, #31, Yellow                                                              | 995-100     |                    | 1           | Valve Snap Ring Pliers With Screen Remover ■●                     |
| 16          | 102-0726           | 1           | Nozzle, Main, #32, Blue                                                                | 995-102     |                    | 1           | Riser Hold-Up Tool, Universal ■●                                  |
| 16          | 102-6907           | 1           | Nozzle, Main, #33, Brown                                                               | 118-0954    |                    | 1           | Riser Hold-Up Tool, Red ■●                                        |
|             |                    |             |                                                                                        | 102-5672    |                    | 1           | Cap, Blank ■●                                                     |
|             |                    |             |                                                                                        | 102-5673    |                    | 1           | Cap, Blank, Effluent ■●                                           |
|             |                    |             |                                                                                        | 995-82      |                    | 1           | Arc Adjustment Tool, 3/32 ■●                                      |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

FLX35-6 Series Golf Sprinkler w/ 24-Pos TruJectory





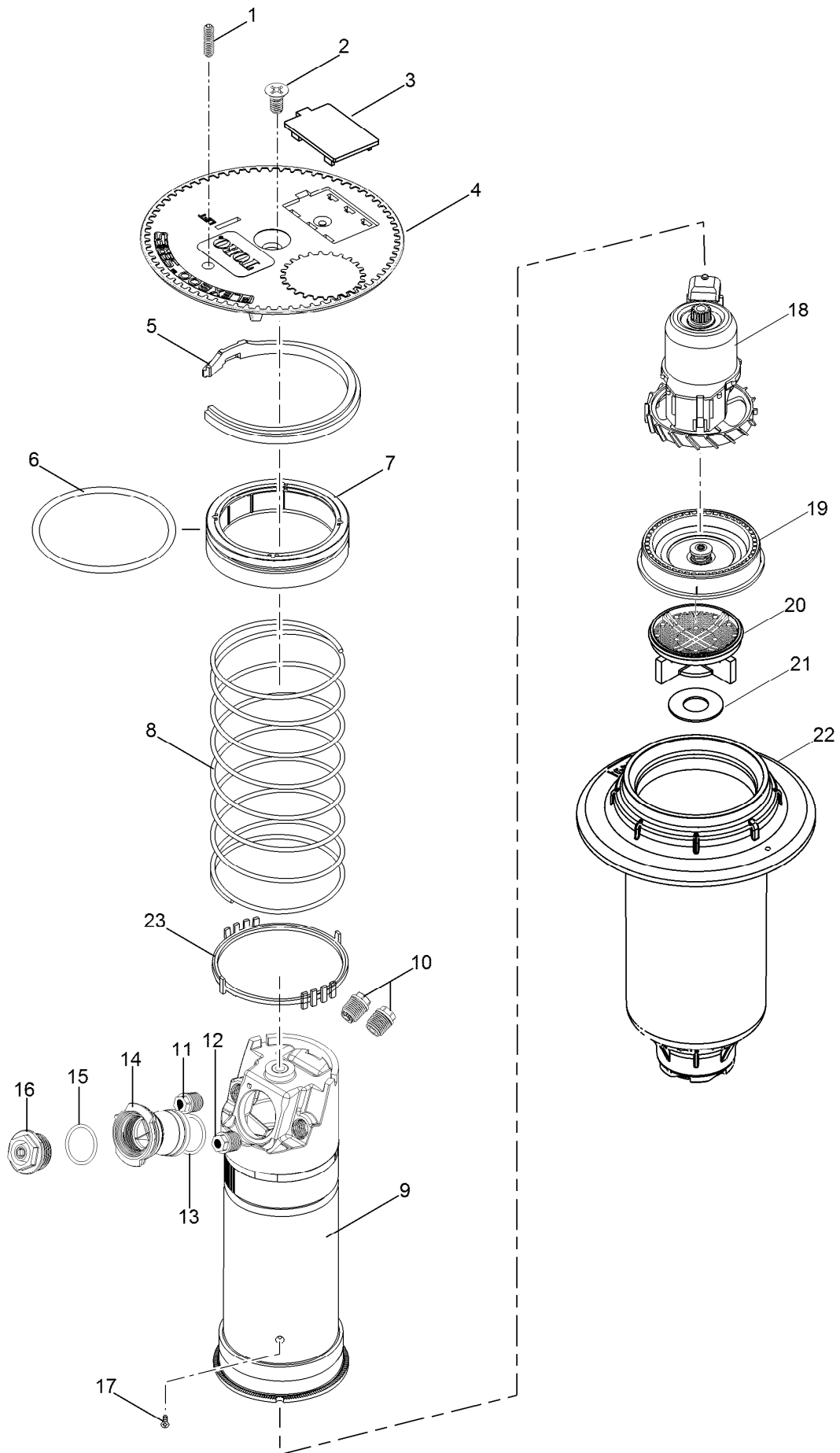
# FLX35-6 Series Golf Sprinkler w/ 24-Pos TruJectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                             |
|-------------|--------------------|-------------|--------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                        | 15          | 363-4236           | 1           | Screw, Drive                                                                   |
| 2           | 118-6920           | 1           | Cap, Black                                                               | 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                                           |
| 2           | 118-6921           | 1           | Cap, Effluent                                                            | 17          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Used With #30 Main Nozzle And Nozzle Adapter) |
| 3           | 89-1385            | 1           | Snap Ring, Riser                                                         | 17          | 102-1939           | 1           | Stator Assembly, Low Flow (Used W/ #31-34 Main Nozzles)                        |
| 4           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                              | 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #35-37 Main Nozzles)                     |
| 5           | 102-0134           | 1           | Retainer, Seal                                                           | 18          | 102-1715           | 1           | Screen, Riser                                                                  |
| 6           | 102-0151           | 1           | Spring, Return                                                           | 19          |                    | 1           | Body Assembly (See Golf Body Assembly Section.) ▲                              |
| 7           | 102-2619           | 1           | Ratchet Ring, 1"                                                         |             | 995-08             | 1           | Valve Removal Tool ■●                                                          |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                                      |             | 995-76             | 1           | Valve Insertion Tool ■●                                                        |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Used With #30, #31, #35 And #36 Main Nozzles) |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                                    |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Used With #33, #34 And #37 Main Nozzles)    |             | 995-99             | 1           | Nut Driver, 5/8" (For Main Nozzle) ■●                                          |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Used With #32 Main Nozzle)                     |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■●              |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                                   |             | 995-83             | 1           | Multi-Purpose Tool ■●                                                          |
| 11          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                                 |             | 995-85             | 1           | Riser Removal Tool ■●                                                          |
| 11          | 102-4587           | 1           | Nozzle, Main, #31, Yellow                                                |             | 995-100            | 1           | Valve Snap Ring Pliers With Screen Remover ■●                                  |
| 11          | 102-4588           | 1           | Nozzle, Main, #32, Blue                                                  |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■●                                               |
| 11          | 102-4589           | 1           | Nozzle, Main, #33, Brown                                                 |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                                     |
| 11          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                                |             | 102-2494           | 1           | Cap, Blank ■●                                                                  |
| 11          | 102-0729           | 1           | Nozzle, Main, #35, Green                                                 |             |                    |             |                                                                                |
| 11          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                                  |             |                    |             |                                                                                |
| 11          | 102-4261           | 1           | Nozzle, Main, #37, Black                                                 |             |                    |             |                                                                                |
| 11          | 118-1521           | 1           | Adapter, Main Nozzle                                                     |             |                    |             |                                                                                |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                                      |             |                    |             |                                                                                |
| 13          | 102-4335           | 1           | Plug, Nozzle                                                             |             |                    |             |                                                                                |
| 14          | 102-2892           | 1           | Riser Assembly                                                           |             |                    |             |                                                                                |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# FLX35B Series Sprinkler w/ Dual Trajectory



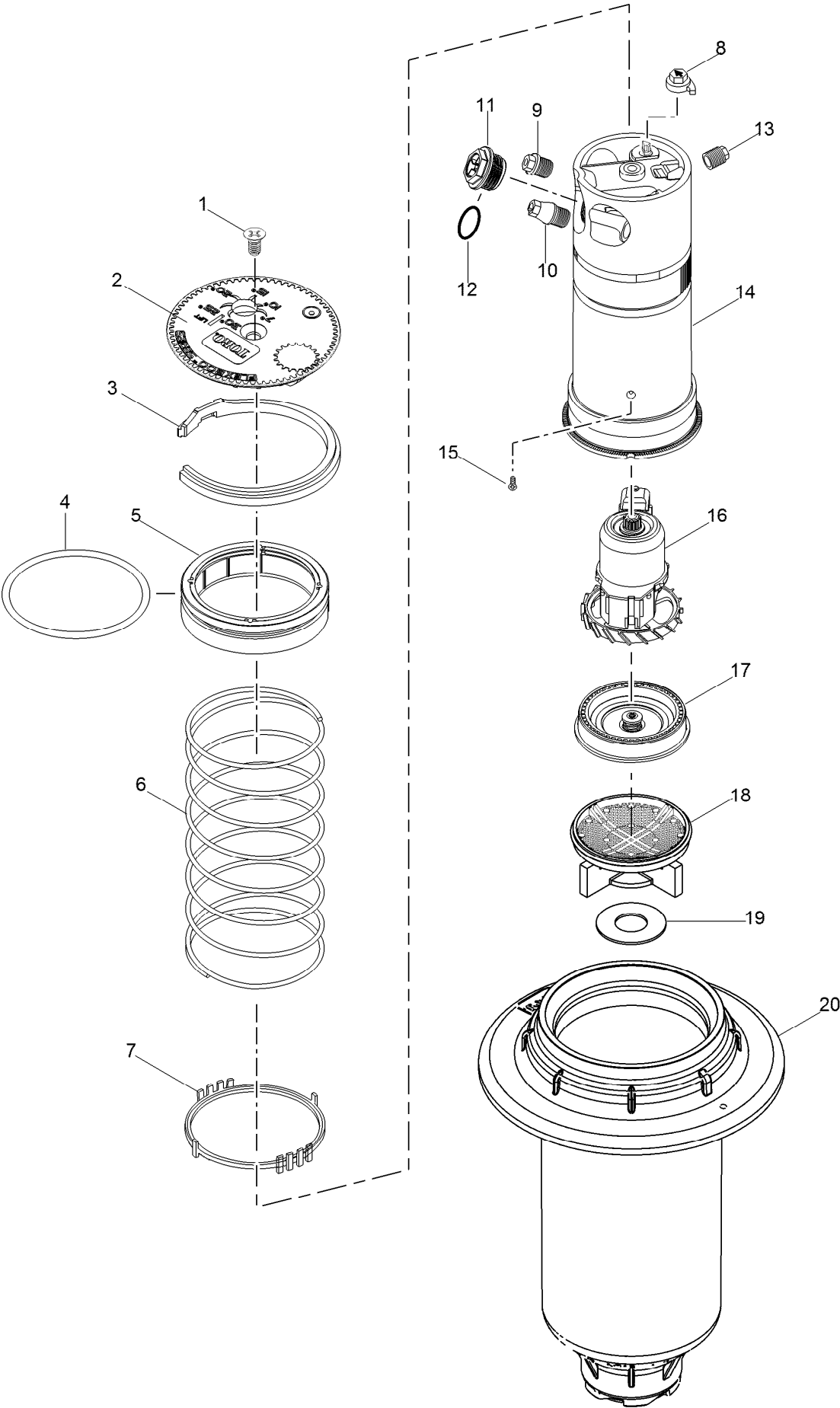
# FLX35B Series Sprinkler w/ Dual Trajectory (continued)

| Ref. | Part Number | Qty. | Description                                                                 | Ref.     | Part Number | Qty. | Description                                                       |
|------|-------------|------|-----------------------------------------------------------------------------|----------|-------------|------|-------------------------------------------------------------------|
| 1    | 363-4839    | 1    | Radius Reduction Screw                                                      | 16       | 102-6935    | 1    | Nozzle, Main, #36, Gray                                           |
| 2    | 102-6138    | 1    | Screw, Cap, Black                                                           | 16       | 102-6936    | 1    | Nozzle, Main, #37, Black                                          |
| 3    | 89-1589     | 1    | Plug, Cap (Black)                                                           | 16       | 102-4260    | 1    | Nozzle, Main, #38, Red                                            |
| 3    | 118-1103    | 1    | Plug, Cap (Lavender)                                                        | 16       | 118-1521    | 1    | Adapter, Main Nozzle                                              |
| 4    | 118-6918    | 1    | Cap, Flx35B                                                                 | 17       | 363-4236    | 1    | Screw, Drive                                                      |
| 4    | 118-6919    | 1    | Cap, Flx35B, Effluent                                                       | 18       | 102-4504    | 1    | Drive Assy., 12-Pack                                              |
| 5    | 89-1385     | 1    | Snap Ring, Riser                                                            | 19       | 102-6929    | 1    | Stator, Low Flow, High Velocity (Used W/ #0 Main Nozzle)          |
| 6    | 363-4102    | 1    | O-Ring, Paraffin As-568 232                                                 | 19       | 102-1939    | 1    | Stator Assembly, Low Flow (Used With #1-4 Main Nozzles)           |
| 7    | 102-0134    | 1    | Retainer, Seal                                                              | 19       | 118-7282    | 1    | Stator Assembly, Medium Flow (Used W/ #5-8 Main Nozzles)          |
| 8    | 102-0151    | 1    | Spring, Return                                                              | 20       | 102-5152    | 1    | Screen, Riser, W/ Check Seal Holder                               |
| 9    | 118-1709    | 1    | Riser Assembly                                                              | 21       | 102-7437    | 1    | Seal, Check                                                       |
| 10   | 102-4335    | 2    | Plug, Nozzle                                                                | 22       | 102-7419    | 1    | Body, Npt                                                         |
| 11   | 102-5670    | 1    | Nozzle Assy. Inner, Yellow W/ White Helical Restrictor (Used W/ #0-5 Mains) | 22       | 102-7421    | 1    | Body, Acme                                                        |
| 11   | 102-6531    | 1    | Nozzle Assy., Inner, Green W/ White Helical Restrictor (Used W/ #6-8 Mains) | 23       | 102-2619    | 1    | Ratchet Ring, 1                                                   |
| 12   | 102-6942    | 1    | Intermediate Nozzle Assy., Beige W/ Stream Straightener (Used W/ #0 Main)   |          | 102-5672    |      | Cap, Blank ■◆                                                     |
| 12   | 102-5671    | 1    | Intermediate Nozzle Assy., Brown W/ Stream Straightener (Used W/ #1 Main)   |          | 102-5673    |      | Cap, Blank, Effluent ■◆                                           |
| 12   | 102-6884    | 1    | Intermediate Nozzle, Yellow (Used W/ #2-4 Mains)                            |          | YARDMARKYEL | 1    | Yardage Marker, Yellow (10-Sheets Per Pack) ■◆                    |
| 12   | 102-6885    | 1    | Intermediate Nozzle, Green (Used W/ #5-8 Mains)                             |          | YARDMARKLAV | 1    | Yardage Marker, Lavender (For Non-Potable Water Applications) ■◆  |
| 13   | 102-5978    | 1    | O-Ring, Nozzle Housing                                                      | 995-99   |             |      | Nut Driver, 5/8" (For Main Nozzle) ▲◆                             |
| 14   | 102-5597    | 1    | Nozzle Housing Assy. (Includes Item 3)                                      | 995-105  |             |      | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ▲◆ |
| 15   | 363-4978    | 1    | O-Ring, Main Nozzle                                                         | 995-83   |             |      | Multi-Purpose Tool ●◆                                             |
| 16   | 102-2208    | 1    | Nozzle, Main, #30 (Plug)                                                    | 995-85   |             |      | Riser Removal Tool ▲◆                                             |
| 16   | 102-6906    | 1    | Nozzle, Main, #31, Yellow                                                   | 995-102  |             | 1    | Riser Hold-Up Tool, Universal ▲◆                                  |
| 16   | 102-0726    | 1    | Nozzle, Main, #32, Blue                                                     | 118-0954 |             | 1    | Riser Hold-Up Tool, Red ■◆                                        |
| 16   | 102-6907    | 1    | Nozzle, Main, #33, Brown                                                    | 995-82   |             | 1    | Arc Adjustment Tool, 3/32 ■◆                                      |
| 16   | 102-0728    | 1    | Nozzle, Main, #34, Orange                                                   |          |             |      | ◆                                                                 |
| 16   | 102-6955    | 1    | Nozzle, Main, #35, Green                                                    |          |             |      |                                                                   |

● Service Tool  
▲ SERVICE TOOLS

■ SERVICE ITEMS  
◆ Not illustrated

# FLX35-6B Series Sprinkler w/ 24-Pos TruJectory



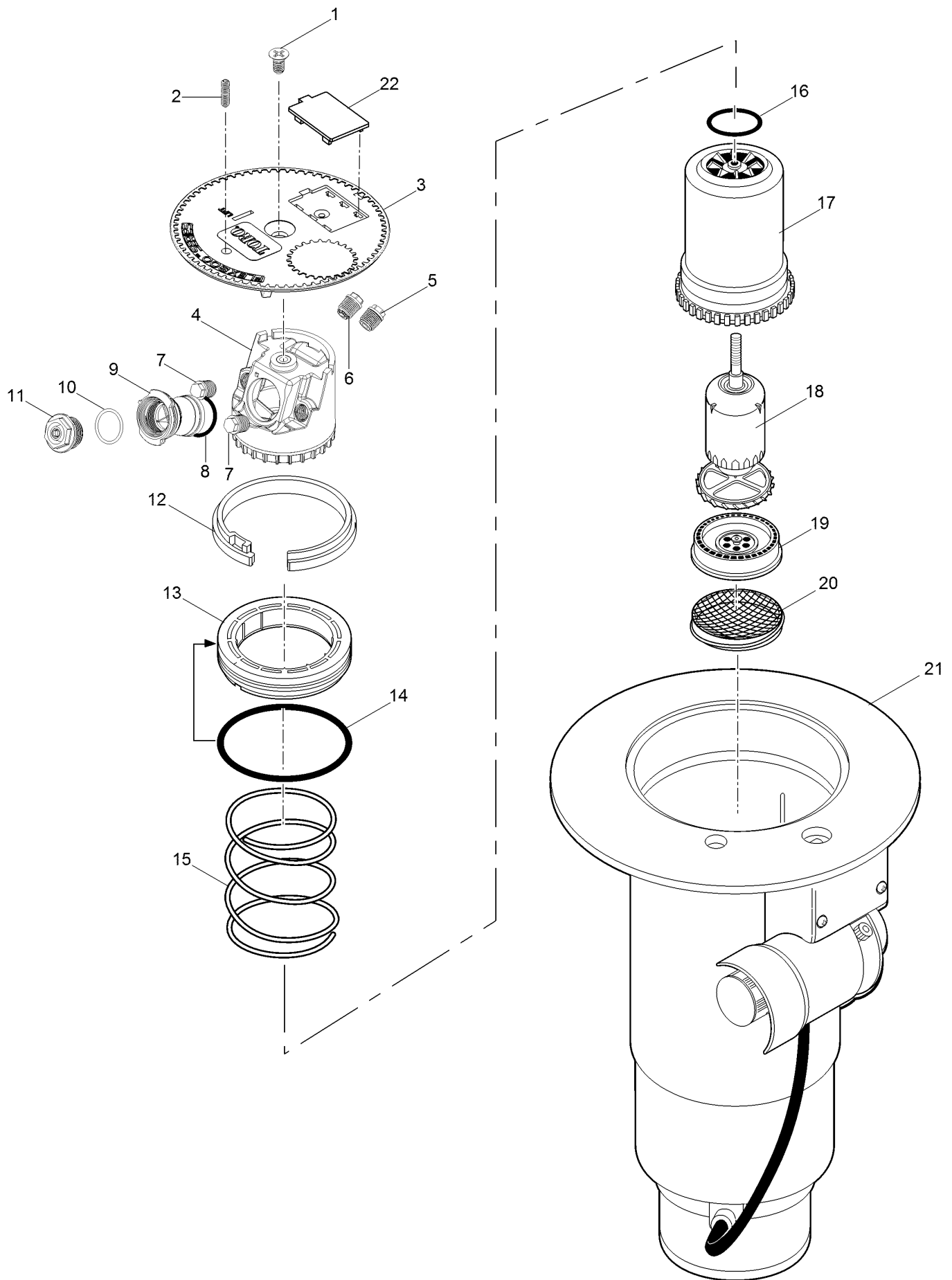
# FLX35-6B Series Sprinkler w/ 24-Pos TruJectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|----------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                        | 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                              |
| 2           | 118-6920           | 1           | Cap, Black                                               | 17          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Use W/ #0 Main Nozzle)           |
| 2           | 118-6921           | 1           | Cap, Effluent                                            | 17          | 102-1939           | 1           | Stator Assembly, Low Flow (Used W/ #31-34 Main Nozzles)           |
| 3           | 89-1385            | 1           | Snap Ring, Riser                                         | 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #35-38 Main Nozzles)        |
| 4           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                              | 18          | 102-5152           | 1           | Screen, Riser, W/ Check Seal Holder                               |
| 5           | 102-0134           | 1           | Retainer, Seal                                           | 19          | 102-7437           | 1           | Seal, Check                                                       |
| 6           | 102-0151           | 1           | Spring, Return                                           | 20          | 102-7419           | 1           | Body, Npt                                                         |
| 7           | 102-2619           | 1           | Ratchet Ring, 1"                                         | 20          | 102-7421           | 1           | Body, Acme                                                        |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                      |             | 102-2041           |             | Restrictor, Yellow, Inner Nozzle ●▲                               |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Use W/ #1, #5, #6 & #8 Mains) |             | 102-4337           | 1           | Stream Straightener, Intermediate Nozzle ●▲                       |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Use W/ #3, #4 & #7 Mains)   |             | 102-2494           |             | Cap, Blank ●▲                                                     |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Use W/ #2 Main)                |             | 995-83             |             | Multi-Purpose Tool ■▲                                             |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                   |             | 995-85             |             | Riser Removal Tool ■▲                                             |
| 11          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                 |             | 995-99             |             | Nut Driver, 5/8" (For Main Nozzle) ■▲                             |
| 11          | 102-4587           | 1           | Nozzle, Main, #31, Yellow                                |             | 995-105            |             | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲ |
| 11          | 102-4588           | 1           | Nozzle, Main, #32, Blue                                  |             | 995-102            |             | Riser Hold-Up Tool, Universal ■▲                                  |
| 11          | 102-4589           | 1           | Nozzle, Main, #33, Brown                                 |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■▲                                        |
| 11          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                |             |                    |             |                                                                   |
| 11          | 102-0729           | 1           | Nozzle, Main, #35, Green                                 |             |                    |             |                                                                   |
| 11          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                  |             |                    |             |                                                                   |
| 11          | 102-4261           | 1           | Nozzle, Main, #37, Black                                 |             |                    |             |                                                                   |
| 11          | 102-4260           | 1           | Nozzle, Main, #38, Red                                   |             |                    |             |                                                                   |
| 11          | 118-1521           | 1           | Adapter, Main Nozzle                                     |             |                    |             |                                                                   |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                      |             |                    |             |                                                                   |
| 13          | 102-4335           | 1           | Plug, Nozzle                                             |             |                    |             |                                                                   |
| 14          | 102-2892           | 1           | Riser Assembly                                           |             |                    |             |                                                                   |
| 15          | 363-4236           | 1           | Screw, Drive                                             |             |                    |             |                                                                   |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# FLX54 Series Golf Sprinkler w/ Dual Trajectory



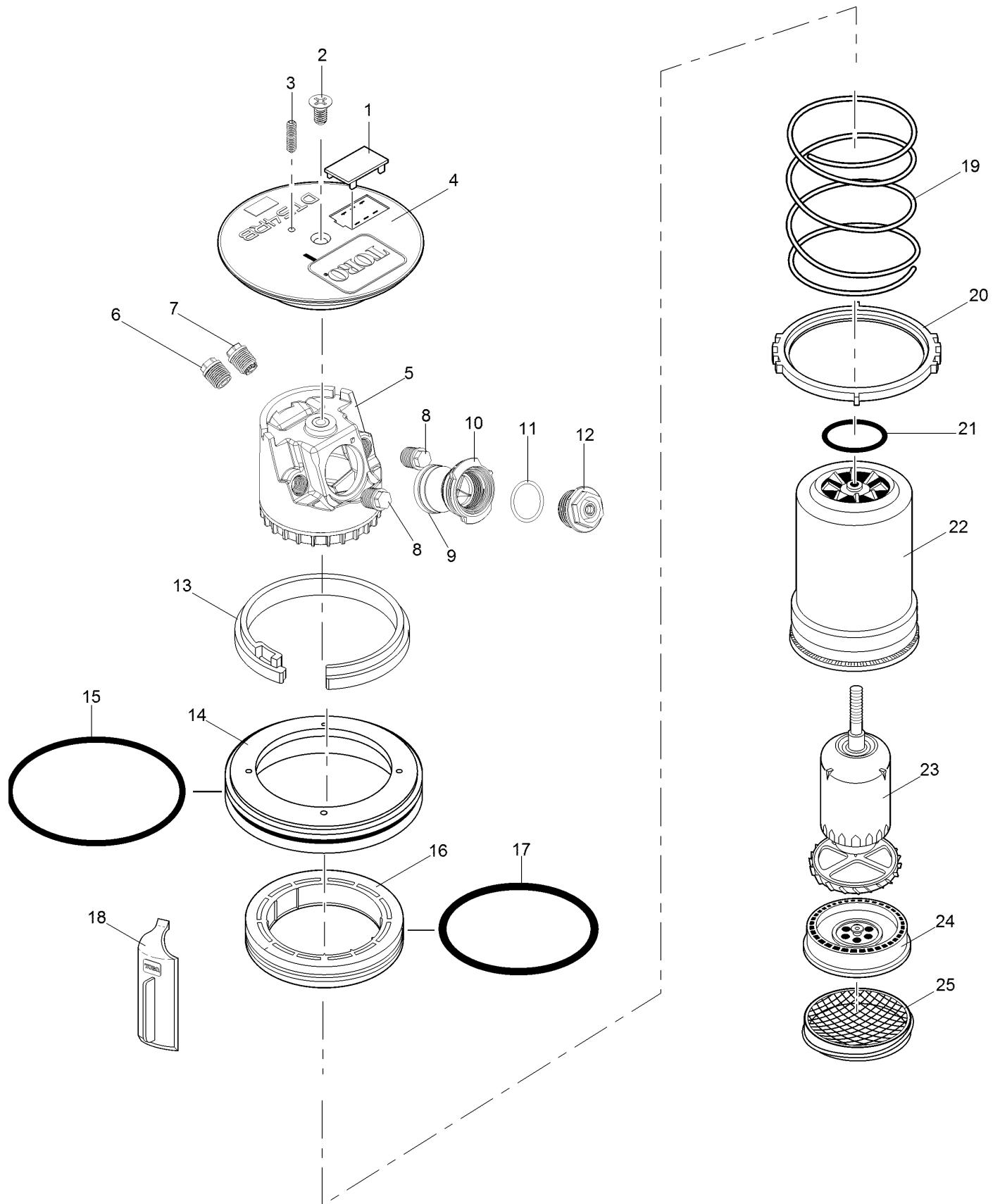
# FLX54 Series Golf Sprinkler w/ Dual Trajectory (continued)

| Ref. | Part Number | Qty. | Description                                                                                     | Ref. | Part Number | Qty. | Description                                                             |
|------|-------------|------|-------------------------------------------------------------------------------------------------|------|-------------|------|-------------------------------------------------------------------------|
| 1    | 102-0362    | 1    | Screw, Cap                                                                                      | 13   | 102-0136    | 1    | Retainer, Seal, 1.5"                                                    |
| 2    | 363-4839    | 1    | Radius Reduction Screw                                                                          | 14   | 363-4103    | 1    | O-Ring, Body                                                            |
| 3    | 118-6922    | 1    | Cap, Flx 54/55                                                                                  | 15   | 102-0151    | 1    | Spring, Return                                                          |
| 3    | 118-6923    | 1    | Cap, Effluent                                                                                   | 16   | 363-4167    | 1    | O-Ring, Nozzle Base                                                     |
| 4    | 102-5837    | 1    | Nozzle Base Assembly                                                                            | 17   | 102-0203    | 1    | Riser Assembly                                                          |
| 5    | 102-2925    | 1    | Intermediate Nozzle, Blue<br>(Used With #51 Main<br>Nozzle)                                     | 18   | 102-4503    | 1    | Drive Assembly, 12-Pack                                                 |
| 5    | 102-2926    | 1    | Intermediate Nozzle,<br>Orange (Used With #52<br>Main Nozzle)                                   | 19   | 102-6929    | 1    | Stator, Low Flow, High<br>Velocity (Used With #51-54<br>Main Nozzles)   |
| 5    | 102-2928    | 1    | Intermediate Nozzle, Red<br>(Used With #53 Main<br>Nozzle)                                      | 19   | 102-1940    | 1    | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)        |
| 5    | 102-2929    | 1    | Intermediate Nozzle, Beige<br>(Used With #54 And #55<br>Main Nozzles)                           | 19   | 118-7282    | 1    | Stator Assembly, High Flow<br>(Used W/ #59 Main Nozzle)                 |
| 5    | 102-6944    | 1    | Intermediate Nozzle Assy.,<br>Red W/ Stream Straightener<br>(Used With #56 Main<br>Nozzles)     | 20   | 102-1715    | 1    | Screen, Riser                                                           |
| 5    | 102-6945    | 1    | Intermediate Nozzle<br>Assy., Gray W/ Stream<br>Straightener (Used With<br>#57-59 Main Nozzles) | 21   |             | 1    | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ▲        |
| 5    | 102-6883    | 1    | Intermediate Nozzle, Brown<br>(Used With #57 And #58<br>Main Nozzles, Front)                    | 22   | 89-1589     | 1    | Plug, Cap (Black)                                                       |
| 6    | 102-6937    | 1    | Nozzle Assy. Inner, Yellow<br>Nozzle W/ Yellow Helical<br>Restrictor                            | 22   | 118-1103    | 1    | Plug, Cap (Lavender)                                                    |
| 7    | 102-4335    | 2    | Plug, Nozzle                                                                                    |      | 118-1521    | 1    | Adapter, Main Nozzle ■●                                                 |
| 8    | 102-5978    | 1    | O-Ring, Nozzle Housing                                                                          |      | 995-09      | 1    | Valve Removal Tool ■●                                                   |
| 9    | 102-5597    | 1    | Nozzle Housing Assy.                                                                            |      | 995-101     | 1    | Valve Insertion Tool ■●                                                 |
| 10   | 363-4978    | 1    | O-Ring, Main Nozzle                                                                             |      | 995-15      | 1    | Selector Tool (Flag Key) ■●                                             |
| 11   | 102-0725    | 1    | Nozzle, Main, #51, Yellow                                                                       |      | 995-99      | 1    | Nut Driver, 5/8" (For Main<br>Nozzle) ■●                                |
| 11   | 102-7001    | 1    | Nozzle, Main, #52, Blue                                                                         |      | 995-105     | 1    | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■● |
| 11   | 102-0727    | 1    | Nozzle, Main, #53, Brown                                                                        |      | 995-83      | 1    | Multi-Purpose Tool ■●                                                   |
| 11   | 102-7002    | 1    | Nozzle, Main, #54, Orange                                                                       |      | 995-85      | 1    | Riser Removal Tool ■●                                                   |
| 11   | 102-6908    | 1    | Nozzle, Main, #55, Green                                                                        |      | 995-100     | 1    | Valve Snap Ring Pliers With<br>Screen Remover ■●                        |
| 11   | 102-0730    | 1    | Nozzle, Main, #56, Gray                                                                         |      | 995-102     | 1    | Riser Hold-Up Tool,<br>Universal ■●                                     |
| 11   | 102-4261    | 1    | Nozzle, Main, #57, Black                                                                        |      | 118-0954    | 1    | Riser Hold-Up Tool, Red ■●                                              |
| 11   | 102-4260    | 1    | Nozzle, Main, #58, Red                                                                          |      | 102-5675    | 1    | Cap, Blank, Effluent ■●                                                 |
| 11   | 102-4259    | 1    | Nozzle, Main, #59, Beige                                                                        |      | 995-82      | 1    | Arc Adjustment Tool, 3/32 ■●                                            |
| 12   | 35-6119     | 1    | Snap Ring, Riser                                                                                |      |             |      |                                                                         |
|      |             |      |                                                                                                 |      | YARDMARKYEL | 1    | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ■●                       |
|      |             |      |                                                                                                 |      | YARDMARKLAV | 1    | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ■●  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# FLX54RB R Series Conversion w/ Dual Trajectory

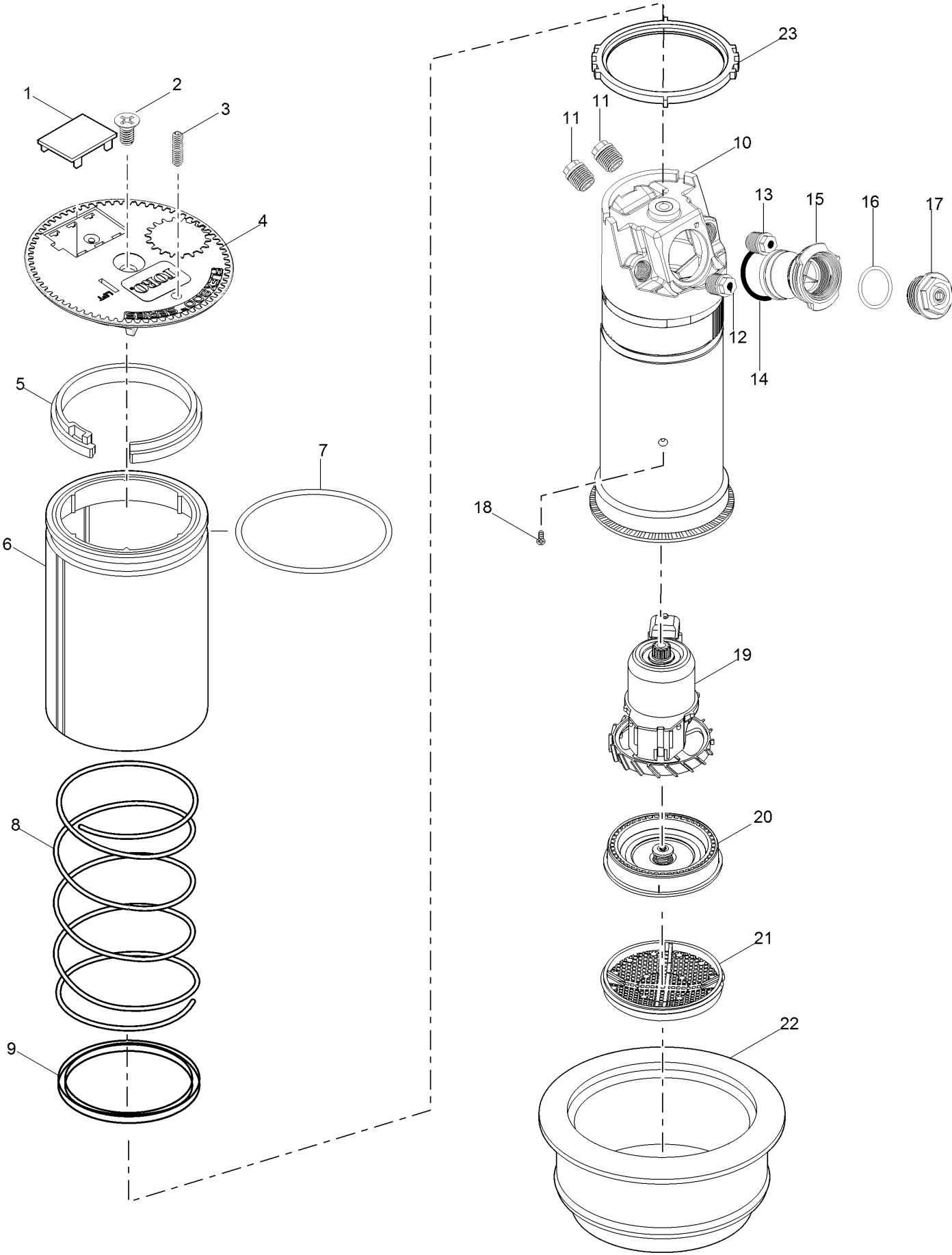




# FLX54RB R Series Conversion w/ Dual Trajectory (continued)

| Ref. | Part Number | Qty. | Description                                                          | Ref.        | Part Number | Qty.                                                                    | Description                                                   |
|------|-------------|------|----------------------------------------------------------------------|-------------|-------------|-------------------------------------------------------------------------|---------------------------------------------------------------|
| 1    | 89-1589     | 1    | Plug, Cap (Black)                                                    | 16          | 102-0134    | 1                                                                       | Retainer, Seal                                                |
| 1    | 118-1103    | 1    | Plug, Cap (Lavender)                                                 | 17          | 363-4102    | 1                                                                       | O-Ring, Paraffin As-568 232                                   |
| 2    | 102-0362    | 1    | Screw, Cap                                                           | 18          | 118-0954    | 1                                                                       | Riser Hold-Up Tool, Red                                       |
| 3    | 363-4839    | 1    | Radius Reduction Screw                                               | 19          | 102-0151    | 1                                                                       | Spring, Return                                                |
| 4    | 118-0959    | 1    | Cap, Dt54Rb                                                          | 20          | 118-0776    | 1                                                                       | Ratchet Ring, Rb900                                           |
| 5    | 102-5837    | 1    | Nozzle Base Assembly                                                 | 21          | 363-4167    | 1                                                                       | O-Ring, Nozzle Base                                           |
| 6    | 102-2925    | 1    | Intermediate Nozzle, Blue<br>(Use With #51 Main Nozzle)              | 22          | 118-1082    | 1                                                                       | Riser Assy., Dt54Rb                                           |
| 6    | 102-2926    | 1    | Intermediate Nozzle,<br>Orange                                       | 23          | 102-4503    | 1                                                                       | Drive Assembly, 12-Pack                                       |
| 6    | 102-2928    | 1    | Intermediate Nozzle, Red                                             | 24          | 102-6929    | 1                                                                       | Stator, Low Flow, High<br>Velocity (Use W/ #51-54<br>Nozzles) |
| 6    | 102-2929    | 1    | Intermediate Nozzle, Beige                                           | 24          | 102-1940    | 1                                                                       | Stator Assembly, Medium<br>Flow (Use W/ #55-58<br>Nozzles)    |
| 6    | 102-6944    | 1    | Intermediate Nozzle Assy.,<br>Red W/ Stream Straightener             | 24          | 118-7282    | 1                                                                       | Stator Assembly, High Flow<br>(Used W/ #59 Main Nozzle)       |
| 6    | 102-6945    | 1    | Intermediate Nozzle<br>Assy., Gray W/ Stream<br>Straightener         | 25          | 102-1715    | 1                                                                       | Screen, Riser                                                 |
| 6    | 102-6883    | 1    | Intermediate Nozzle, Brown                                           | YARDMARKYEL | 1           | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ●■                       |                                                               |
| 7    | 102-6937    | 1    | Nozzle Assy. Inner, Yellow<br>Nozzle W/ Yellow Helical<br>Restrictor | YARDMARKLAV | 1           | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ●■  |                                                               |
| 8    | 102-4335    | 1    | Plug, Nozzle                                                         | 118-1521    | 1           | Adapter, Main Nozzle ●■                                                 |                                                               |
| 9    | 102-5978    | 1    | O-Ring, Nozzle Housing                                               | 118-0976    | 1           | Cap, Blank ●■                                                           |                                                               |
| 10   | 102-5597    | 1    | Nozzle Housing Assy.                                                 | 118-0977    | 1           | Cap, Blank, Effluent ●■                                                 |                                                               |
| 11   | 363-4104    | 1    | O-Ring, Main Nozzle                                                  | 995-99      | 1           | Nut Driver, 5/8" (For Main<br>Nozzle) ●■                                |                                                               |
| 12   | 102-0725    | 1    | Nozzle, Main, #51, Yellow                                            | 995-105     | 1           | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ●■ |                                                               |
| 12   | 102-7001    | 1    | Nozzle, Main, #52, Blue                                              | 995-83      | 1           | Multi-Purpose Tool ●■                                                   |                                                               |
| 12   | 102-0727    | 1    | Nozzle, Main, #53, Brown                                             | 995-82      | 1           | Adjustment Tool, 3/32"<br>(T-Handle Hex Wrench) ●■                      |                                                               |
| 12   | 102-7002    | 1    | Nozzle, Main, #54, Orange                                            | 118-0954    | 1           | Riser Hold-Up Tool, Red ●■                                              |                                                               |
| 12   | 102-6908    | 1    | Nozzle, Main, #55, Green                                             | 995-102     | 1           | Riser Hold-Up Tool,<br>Universal ●■                                     |                                                               |
| 12   | 102-6935    | 1    | Nozzle, Main, #56, Gray                                              | 995-85      | 1           | Riser Removal Tool ●■                                                   |                                                               |
| 12   | 102-6936    | 1    | Nozzle, Main, #57, Black                                             |             |             |                                                                         |                                                               |
| 12   | 102-6909    | 1    | Nozzle, Main, #58, Red                                               |             |             |                                                                         |                                                               |
| 12   | 102-4259    | 1    | Nozzle, Main, #59, Beige                                             |             |             |                                                                         |                                                               |
| 13   | 118-0780    | 1    | Snap Ring, Riser                                                     |             |             |                                                                         |                                                               |
| 14   | 118-0774    | 1    | Retainer, Rb900                                                      |             |             |                                                                         |                                                               |
| 15   | 364-0576    | 1    | O-Ring, Rb900                                                        |             |             |                                                                         |                                                               |

# FLX55 Ribless Body Conversion w/ Dual Trajectory



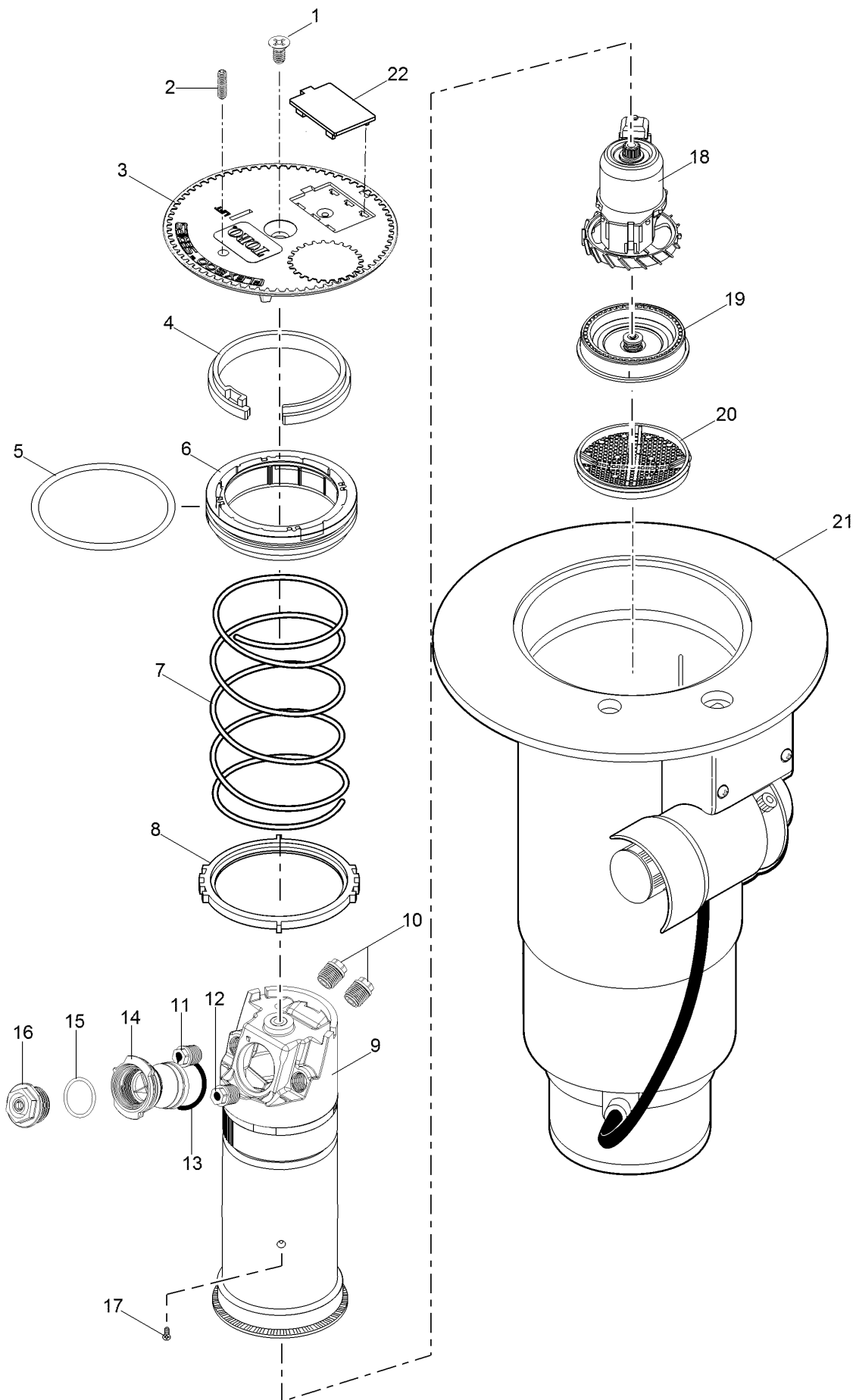
# FLX55 Ribless Body Conversion w/ Dual Trajectory (continued)

| Ref. | Part Number | Qty. | Description                                                                        | Ref. | Part Number  | Qty. | Description                                                                                     |
|------|-------------|------|------------------------------------------------------------------------------------|------|--------------|------|-------------------------------------------------------------------------------------------------|
| 1    | 89-1589     | 1    | Plug, Cap (Black)                                                                  | 20   | 102-1941     | 1    | Stator Assembly, High-Flow<br>(Used W/ #59 Nozzle)                                              |
| 1    | 118-1103    | 1    | Plug, Cap (Lavender)                                                               | 21   | 102-1715     | 1    | Screen, Riser                                                                                   |
| 2    | 102-6138    | 1    | Screw, Cap, Black                                                                  | 22   | 102-0950     | 1    | Adapter, Conversion                                                                             |
| 3    | 363-4839    | 1    | Radius Reduction Screw                                                             | 23   | 102-2619     | 1    | Ratchet Ring                                                                                    |
| 4    | 118-6922    | 1    | Cap, Flx 54/55                                                                     |      | 102-5675     |      | Cap, Blank, Effluent ●▲                                                                         |
| 4    | 118-6923    | 1    | Cap, Effluent                                                                      |      | 118-1521     | 1    | Adapter, Main Nozzle ●▲                                                                         |
| 5    | 35-6119     | 1    | Snap Ring, Riser                                                                   |      | YARDMARKYEL  | 1    | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ●▲                                               |
| 6    | 89-7568     | 1    | Sleeve, Retainer, O-Ring,<br>Conversion                                            |      | YARDMARKLAV  | 1    | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ●▲                          |
| 7    | 363-4103    | 1    | O-Ring, Body                                                                       |      | FLX55-5154R  | 1    | Conversion, Part & Full<br>Circle, W/ #51-54 Nozzles<br>For Ribless Bodies ●▲                   |
| 8    | 102-0151    | 1    | Spring, Return                                                                     |      | FLX55-5154RE | 1    | Conversion, Part & Full<br>Circle, W/ #51-54 Nozzles<br>& Effluent Cap For Ribless<br>Bodies ●▲ |
| 9    | 89-7569     | 1    | Seal, Riser                                                                        |      | FLX55-5558R  | 1    | Conversion, Part & Full<br>Circle, W/ #55-58 Nozzles<br>For Ribless Bodies ●▲                   |
| 10   | 118-1079    | 1    | Riser Assembly                                                                     |      | FLX55-5558RE | 1    | Conversion, Part & Full<br>Circle, W/ #55-58 Nozzles<br>& Effluent Cap For Ribless<br>Bodies ●▲ |
| 11   | 102-4335    | 2    | Plug, Nozzle                                                                       |      | FLX55-59R    | 1    | Conversion, Part & Full<br>Circle, W/ #59 Nozzle For<br>Ribless Bodies ●▲                       |
| 12   | 102-5670    | 1    | Nozzle Assy. Inner, Yellow<br>W/ White Helical Restrictor<br>(Used W/ #1-5 Mains)  |      | FLX55-59RE   | 1    | Conversion, Part & Full<br>Circle, W/ #59 Nozzle &<br>Effluent Cap For Ribless<br>Bodies ●▲     |
| 12   | 102-6531    | 1    | Nozzle Assy., Inner, Green<br>W/ White Helical Restrictor<br>(Used W/ #6-9 Mains)  |      | 995-09       | 1    | Valve Removal Tool ■▲                                                                           |
| 13   | 102-5671    | 1    | Intermediate Nozzle<br>Assy., Brown W/ Stream<br>Straightener (Used W/ #1<br>Main) |      | 995-101      | 1    | Valve Insertion Tool ■▲                                                                         |
| 13   | 102-6884    | 1    | Intermediate Nozzle, Yellow<br>(Used W/ #2-4 Mains)                                |      | 995-15       |      | Selector Tool (Flag Key) ■▲                                                                     |
| 13   | 102-6885    | 1    | Intermediate Nozzle, Green<br>(Used W/ #5-9 Mains)                                 |      | 995-99       |      | Nut Driver, 5/8" (For Main<br>Nozzle) ■▲                                                        |
| 14   | 102-5978    | 1    | O-Ring, Nozzle Housing                                                             |      | 995-105      |      | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■▲                         |
| 15   | 102-5597    | 1    | Nozzle Housing Assy.<br>(Includes Item 14)                                         |      | 995-83       |      | Multi-Purpose Tool ■▲                                                                           |
| 16   | 363-4978    | 1    | O-Ring, Main Nozzle                                                                |      | 995-85       |      | Riser Removal Tool ■▲                                                                           |
| 17   | 102-6906    | 1    | Nozzle, Main, #51, Yellow                                                          |      | 995-100      |      | Valve Snap Ring Pliers With<br>Screen Remover ■▲                                                |
| 17   | 102-0726    | 1    | Nozzle, Main, #52, Blue                                                            |      | 995-102      | 1    | Riser Hold-Up Tool,<br>Universal ■▲                                                             |
| 17   | 102-6907    | 1    | Nozzle, Main, #53, Brown                                                           |      | 118-0954     | 1    | Riser Hold-Up Tool, Red ●▲                                                                      |
| 17   | 102-0728    | 1    | Nozzle, Main, #54, Orange                                                          |      | 995-82       | 1    | Adjustment Tool, 3/32" ●▲                                                                       |
| 17   | 102-6955    | 1    | Nozzle, Main, #55, Green                                                           |      |              |      |                                                                                                 |
| 17   | 102-6935    | 1    | Nozzle, Main, #56, Gray                                                            |      |              |      |                                                                                                 |
| 17   | 102-6936    | 1    | Nozzle, Main, #57, Black                                                           |      |              |      |                                                                                                 |
| 17   | 102-6909    | 1    | Nozzle, Main, #58, Red                                                             |      |              |      |                                                                                                 |
| 17   | 102-4259    | 1    | Nozzle, Main, #59, Beige                                                           |      |              |      |                                                                                                 |
| 18   | 363-4236    | 1    | Screw, Drive                                                                       |      |              |      |                                                                                                 |
| 19   | 102-4504    | 1    | Drive Assy., 12-Pack                                                               |      |              |      |                                                                                                 |
| 20   | 102-1939    | 1    | Stator Assembly, Low Flow<br>(Used W/ #51-54 Main<br>Nozzles)                      |      |              |      |                                                                                                 |
| 20   | 118-7282    | 1    | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)                   |      |              |      |                                                                                                 |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# FLX55 Series Golf Sprinkler w/ Dual Trajectory



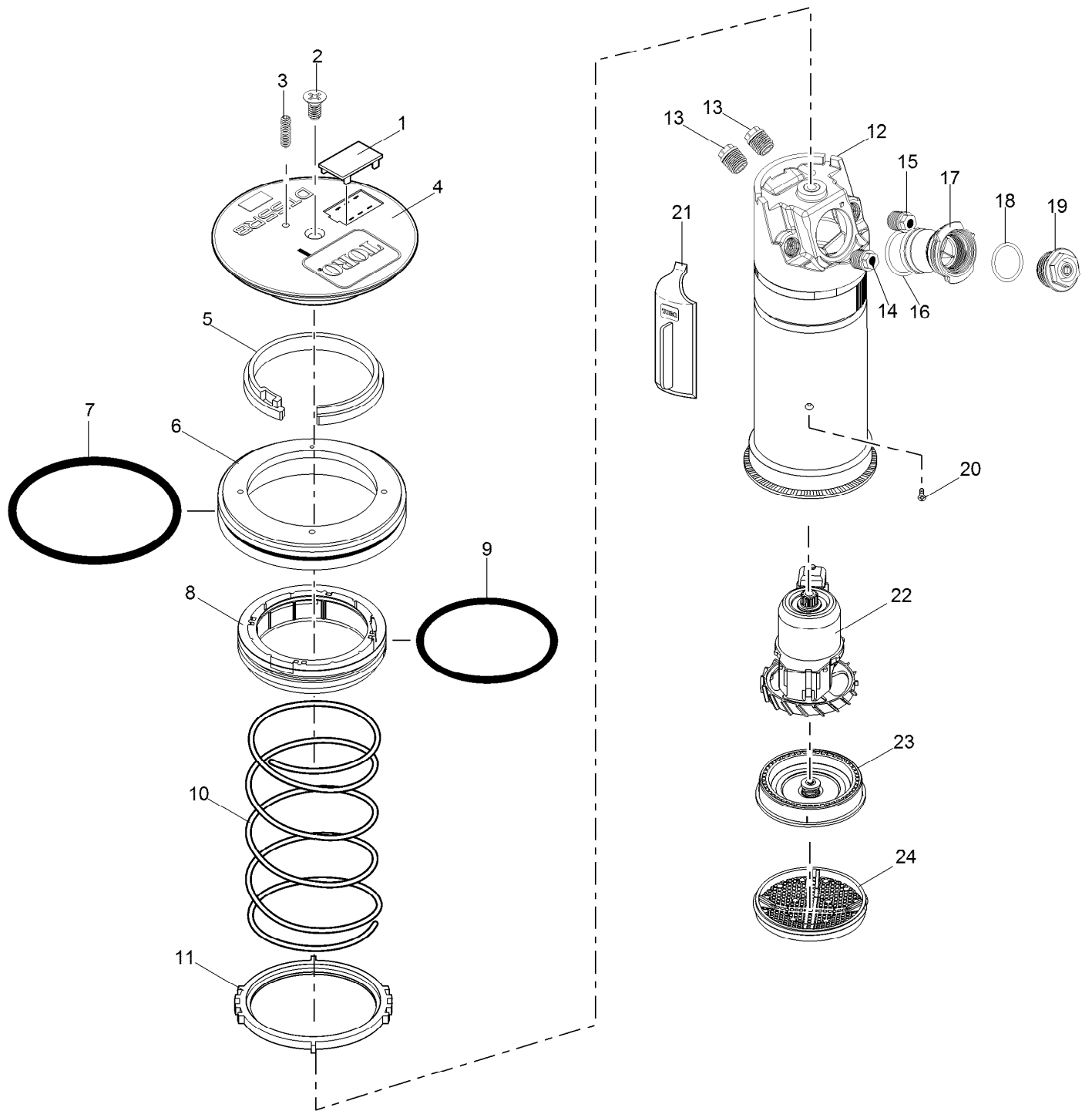
# FLX55 Series Golf Sprinkler w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                                               | 16          | 102-6936           | 1           | Nozzle, Main, #57, Black                                                |
| 2           | 363-4839           | 1           | Radius Reduction Screw                                                                          | 16          | 102-6909           | 1           | Nozzle, Main, #58, Red                                                  |
| 3           | 118-6922           | 1           | Cap, Flx 54/55                                                                                  | 16          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                                |
| 3           | 118-6923           | 1           | Cap, Effluent                                                                                   | 17          | 363-4236           | 1           | Screw, Drive                                                            |
| 4           | 35-6119            | 1           | Snap Ring, Riser                                                                                | 18          | 102-4504           | 1           | Drive Assy., 12-Pack                                                    |
| 5           | 363-4103           | 1           | O-Ring, Body                                                                                    | 19          | 102-1939           | 1           | Stator Assembly, Low Flow<br>(Used W/ #51-54 Main<br>Nozzles)           |
| 6           | 102-0136           | 1           | Retainer, Seal, 1.5"                                                                            | 19          | 118-7282           | 1           | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)        |
| 7           | 102-0151           | 1           | Spring, Return                                                                                  | 19          | 102-1941           | 1           | Stator Assembly, High-Flow<br>(Used With #59 Main<br>Nozzle)            |
| 8           | 102-4967           | 1           | Ratchet Ring, 1.5"                                                                              | 20          | 102-1715           | 1           | Screen, Riser                                                           |
| 9           | 118-1079           | 1           | Riser Assembly                                                                                  | 21          |                    | 1           | Body Assembly (See Golf<br>Body Assembly Section.) ▲                    |
| 10          | 102-4335           | 2           | Plug, Nozzle                                                                                    | 22          | 89-1589            | 1           | Plug, Cap (Black)                                                       |
| 11          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow<br>W/ White Helical Restrictor<br>(Used With #51-55 Main<br>Nozzles) | 22          | 118-1103           | 1           | Plug, Cap (Lavender)                                                    |
| 11          | 102-6531           | 1           | Nozzle Assy., Inner, Green<br>W/ White Helical Restrictor<br>(Used With #56-59 Main<br>Nozzles) |             | 118-1521           | 1           | Adapter, Main Nozzle ■●                                                 |
| 12          | 102-5671           | 1           | Intermediate Nozzle<br>Assy., Brown W/ Stream<br>Straightener (Used With #51<br>Main Nozzle)    |             | 995-09             | 1           | Valve Removal Tool ■●                                                   |
| 12          | 102-6884           | 1           | Intermediate Nozzle, Yellow<br>(Used With #52-54 Main<br>Nozzles)                               |             | 995-101            | 1           | Valve Insertion Tool ■●                                                 |
| 12          | 102-6885           | 1           | Intermediate Nozzle, Green<br>(Used With #55-59 Main<br>Nozzles)                                |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                             |
| 13          | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                          |             | 995-99             | 1           | Nut Driver, 5/8" (For Main<br>Nozzle) ■●                                |
| 14          | 102-5597           | 1           | Nozzle Housing Assy.                                                                            |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■● |
| 15          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                             |             | 995-83             | 1           | Multi-Purpose Tool ■●                                                   |
| 16          | 102-6906           | 1           | Nozzle, Main, #51, Yellow                                                                       |             | 995-85             | 1           | Riser Removal Tool ■●                                                   |
| 16          | 102-0726           | 1           | Nozzle, Main, #52, Blue                                                                         |             | 995-100            | 1           | Valve Snap Ring Pliers With<br>Screen Remover ■●                        |
| 16          | 102-6907           | 1           | Nozzle, Main, #53, Brown                                                                        |             | 995-102            | 1           | Riser Hold-Up Tool,<br>Universal ■●                                     |
| 16          | 102-0728           | 1           | Nozzle, Main, #54, Orange                                                                       |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                              |
| 16          | 102-6955           | 1           | Nozzle, Main, #55, Green                                                                        |             | 102-5675           | 1           | Cap, Blank, Effluent ■●                                                 |
| 16          | 102-6935           | 1           | Nozzle, Main, #56, Gray                                                                         |             | 995-82             | 1           | Adjustment Tool, 3/32" ■●                                               |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

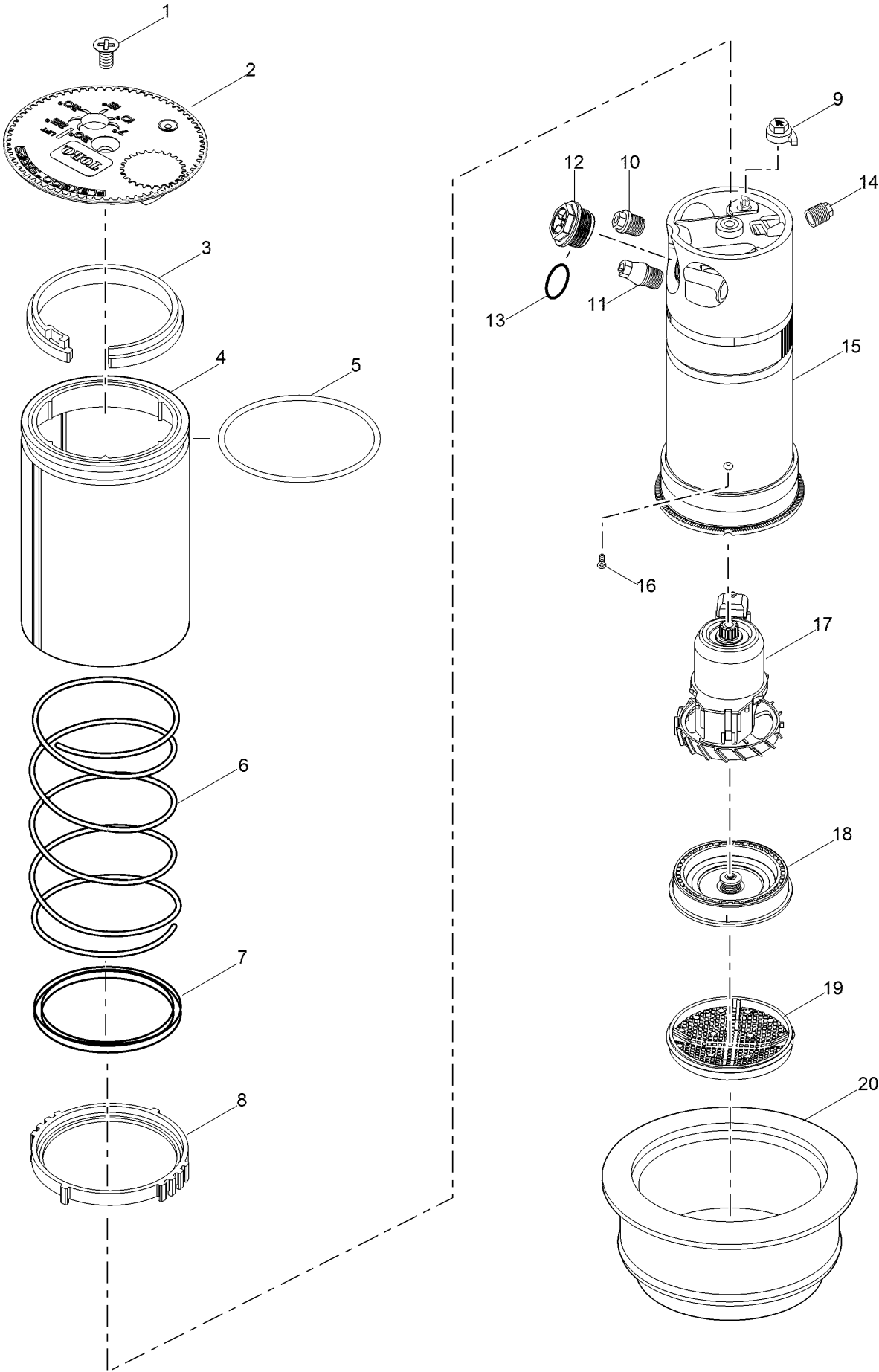
# FLX55RB R Series Conversion w/ Dual Trajectory



# FLX55RB R Series Conversion w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|---------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 89-1589            | 1           | Plug, Cap (Black)                                             | 19          | 102-6955           | 1           | Nozzle, Main, #55, Green                                                |
| 1           | 118-1103           | 1           | Plug, Cap (Lavender)                                          | 19          | 102-6935           | 1           | Nozzle, Main, #56, Gray                                                 |
| 2           | 102-6138           | 1           | Screw, Cap, Black                                             | 19          | 102-6936           | 1           | Nozzle, Main, #57, Black                                                |
| 3           | 363-4839           | 1           | Radius Reduction Screw                                        | 19          | 102-6909           | 1           | Nozzle, Main, #58, Red                                                  |
| 4           | 118-0960           | 1           | Cap, Dt55Rb                                                   | 19          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                                |
| 5           | 118-0780           | 1           | Snap Ring, Riser                                              | 20          | 363-4236           | 1           | Screw, Drive                                                            |
| 6           | 118-0774           | 1           | Retainer, Rb900                                               | 21          | 118-0954           | 1           | Riser Hold-Up Tool, Red                                                 |
| 7           | 364-0576           | 1           | O-Ring, Rb900                                                 | 22          | 102-4504           | 1           | Drive Assy., 12-Pack                                                    |
| 8           | 102-0134           | 1           | Retainer, Seal                                                | 23          | 102-1939           | 1           | Stator Assembly, Low Flow<br>(Used W/ #51-54 Main<br>Nozzles)           |
| 9           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                   | 23          | 118-7282           | 1           | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)        |
| 10          | 102-0151           | 1           | Spring, Return                                                | 23          | 102-1941           | 1           | Stator Assembly, High-Flow<br>(Use W/ #59 Nozzle)                       |
| 11          | 118-0776           | 1           | Ratchet Ring, Rb900                                           | 24          | 102-1715           | 1           | Screen, Riser                                                           |
| 12          | 118-1079           | 1           | Riser Assembly                                                |             | 102-2208           | 1           | Nozzle, Main, #30 (Plug) ●■                                             |
| 13          | 102-4335           | 2           | Plug, Nozzle                                                  |             | 118-0976           | 1           | Cap, Blank ●■                                                           |
| 14          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow<br>W/ White Helical Restrictor     |             | 118-0977           | 1           | Cap, Blank, Effluent ●■                                                 |
| 14          | 102-6531           | 1           | Nozzle Assy., Inner, Green<br>W/ White Helical Restrictor     |             | 995-99             | 1           | Nut Driver, 5/8" (For Main<br>Nozzle) ●■                                |
| 15          | 102-6884           | 1           | Intermediate Nozzle, Yellow                                   |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ●■ |
| 15          | 102-6885           | 1           | Intermediate Nozzle, Green                                    |             | 995-83             | 1           | Multi-Purpose Tool ●■                                                   |
| 15          | 102-5671           | 1           | Intermediate Nozzle<br>Assy., Brown W/ Stream<br>Straightener |             | 995-82             | 1           | Adjustment Tool, 3/32"<br>(T-Handle Hex Wrench) ●■                      |
| 16          | 102-5978           | 1           | O-Ring, Nozzle Housing                                        |             | 118-1521           | 1           | Adapter, Main Nozzle ●■                                                 |
| 17          | 102-5597           | 1           | Nozzle Housing Assy.                                          |             |                    |             |                                                                         |
| 18          | 363-4104           | 1           | O-Ring, Main Nozzle                                           |             |                    |             |                                                                         |
| 19          | 102-6906           | 1           | Nozzle, Main, #51, Yellow                                     |             |                    |             |                                                                         |
| 19          | 102-0726           | 1           | Nozzle, Main, #52, Blue                                       |             |                    |             |                                                                         |
| 19          | 102-6907           | 1           | Nozzle, Main, #53, Brown                                      |             |                    |             |                                                                         |
| 19          | 102-0728           | 1           | Nozzle, Main, #54, Orange                                     |             |                    |             |                                                                         |

# FLX55-6 Ribless Body Conv w/ 24-Pos TruJectory





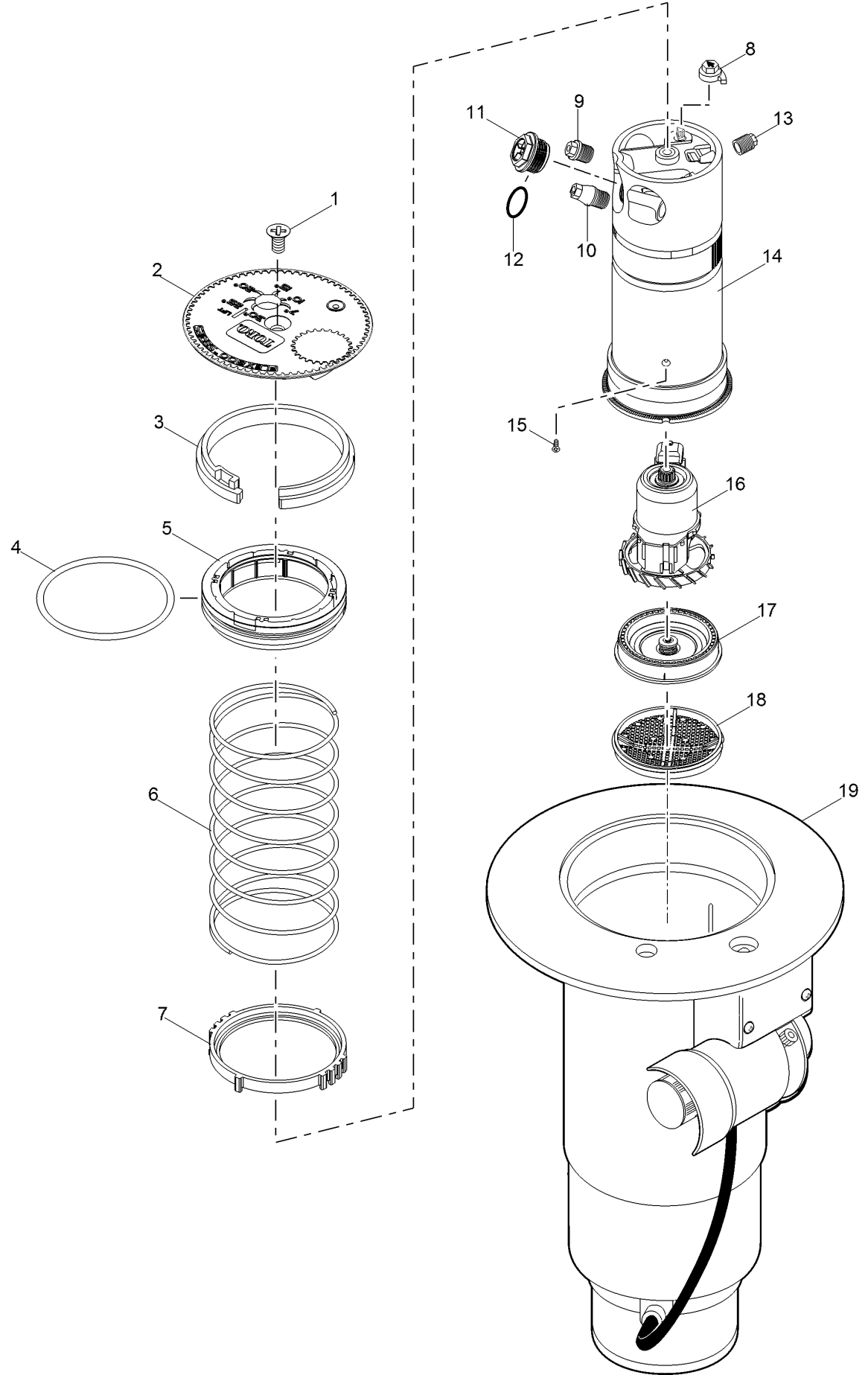
# FLX55-6 Ribless Body Conv w/ 24-Pos TruJectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|--------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                  | 15          | 102-2892           | 1           | Riser Assembly                                                          |
| 2           | 118-6924           | 1           | Cap, Black                                                         | 16          | 363-4236           | 1           | Screw, Drive                                                            |
| 2           | 118-6925           | 1           | Cap, Effluent                                                      | 17          | 102-4504           | 1           | Drive Assy., 12-Pack                                                    |
| 3           | 35-6119            | 1           | Snap Ring, Riser                                                   | 18          | 102-1939           | 1           | Stator Assembly, Low Flow<br>(Used W/ #51-54 Main<br>Nozzles)           |
| 4           | 89-7568            | 1           | Sleeve, Retainer, O-Ring,<br>Conversion                            | 18          | 118-7282           | 1           | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)        |
| 5           | 363-4103           | 1           | O-Ring, Body                                                       | 18          | 102-1941           | 1           | Stator Assembly, High-Flow<br>(Use W/ #59 Nozzle)                       |
| 6           | 102-0151           | 1           | Spring, Return                                                     | 19          | 102-1715           | 1           | Screen, Riser                                                           |
| 7           | 89-7569            | 1           | Seal, Riser                                                        | 20          | 102-0950           | 1           | Adapter, Conversion                                                     |
| 8           | 102-2619           | 1           | Ratchet Ring, 1"                                                   |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                                 |
| 9           | 102-5971           | 1           | Trajectory Adjuster                                                |             | 102-4337           |             | Stream Straightener,<br>Intermediate Nozzle ●                           |
| 10          | 102-2925           | 1           | Intermediate Nozzle, Blue<br>(Use W/ #1, #5, #6, #8 & #9<br>Mains) |             |                    |             | ▲                                                                       |
| 10          | 102-2926           | 1           | Intermediate Nozzle,<br>Orange (Use W/ #3, #4<br>& #7 Mains)       |             | 102-2041           |             | Restrictor, Yellow, Inner<br>Nozzle ●▲                                  |
| 10          | 102-2928           | 1           | Intermediate Nozzle, Red<br>(Use W/ #2 Main)                       |             | 102-2497           |             | Cap, Blank ●▲                                                           |
| 11          | 102-2910           | 1           | Nozzle Assembly, Inner                                             |             | 102-2498           |             | Cap, Blank, Effluent ●▲                                                 |
| 12          | 102-4587           | 1           | Nozzle, Main, #51, Yellow                                          |             | 995-99             |             | Nut Driver, 5/8" (For Main<br>Nozzle) ■▲                                |
| 12          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                            |             | 995-105            |             | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■▲ |
| 12          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                           |             |                    |             | Multi-Purpose Tool ■▲                                                   |
| 12          | 102-0728           | 1           | Nozzle, Main, #54, Orange                                          |             | 995-83             |             | Riser Removal Tool ■▲                                                   |
| 12          | 102-0729           | 1           | Nozzle, Main, #55, Green                                           |             | 995-85             |             | Riser Hold-Up Tool,<br>Universal ■▲                                     |
| 12          | 102-0730           | 1           | Nozzle, Main, #56, Gray                                            |             | 995-102            |             |                                                                         |
| 12          | 102-4261           | 1           | Nozzle, Main, #57, Black                                           |             |                    |             |                                                                         |
| 12          | 102-4260           | 1           | Nozzle, Main, #58, Red                                             |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■▲                                              |
| 12          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                           |             |                    |             |                                                                         |
| 13          | 363-4978           | 1           | O-Ring, Main Nozzle                                                |             |                    |             |                                                                         |
| 14          | 102-4335           | 1           | Plug, Nozzle                                                       |             |                    |             |                                                                         |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# FLX55-6 Series Golf Sprinkler w/ 24-Pos TruJectory



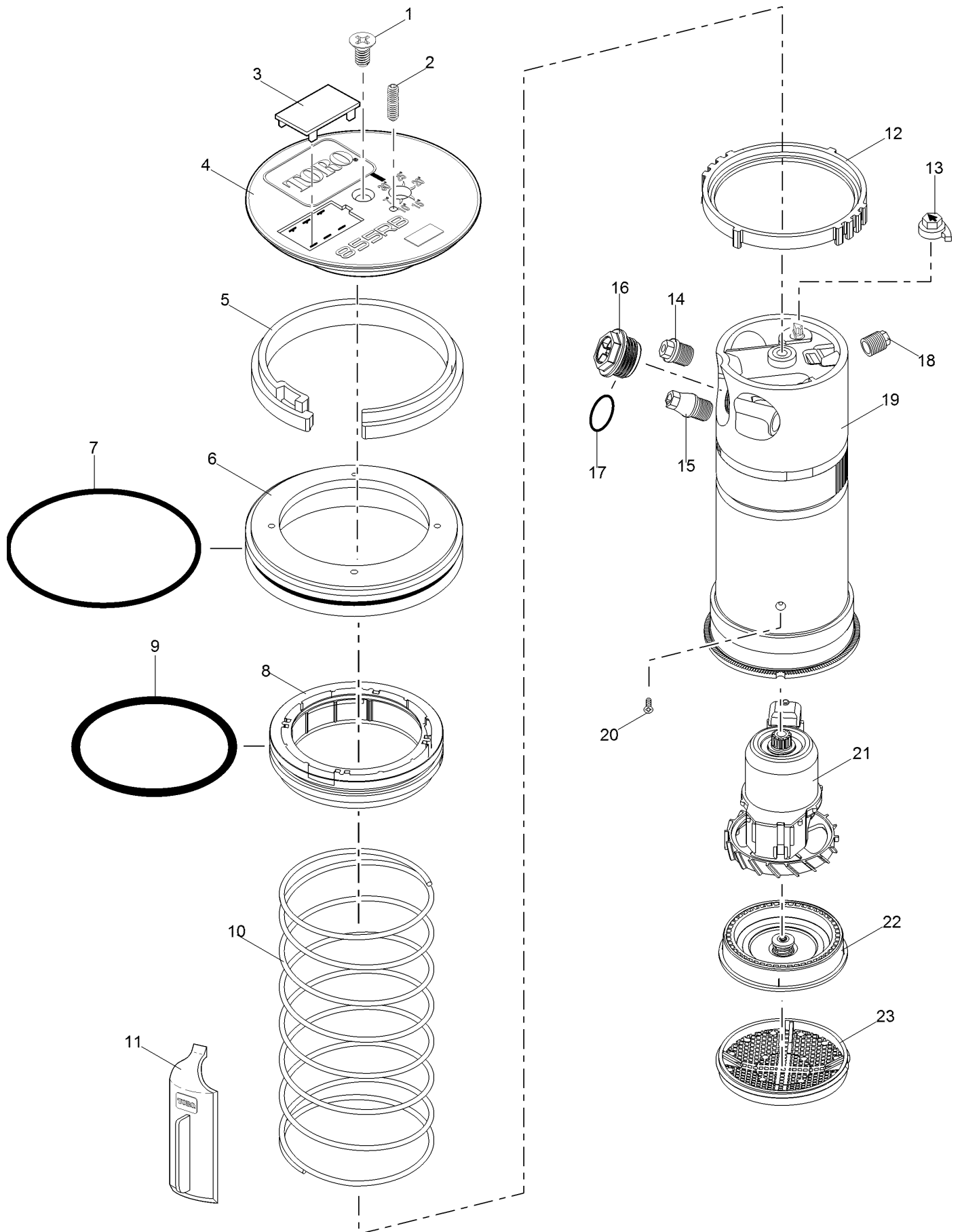
# FLX55-6 Series Golf Sprinkler w/ 24-Pos TruJectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                             | 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #55-58 Main Nozzles)        |
| 2           | 118-6924           | 1           | Cap, Black                                                                    | 17          | 102-1941           | 1           | Stator Assembly, High-Flow (Used With #59 Nozzle)                 |
| 2           | 118-6925           | 1           | Cap, Effluent                                                                 | 18          | 102-1715           | 1           | Screen, Riser                                                     |
| 3           | 35-6119            | 1           | Snap Ring, Riser                                                              | 19          |                    | 1           | Body Assembly (See Golf Body Assembly Section.) ▲                 |
| 4           | 363-4103           | 1           | O-Ring, Body                                                                  |             | 102-4337           | 1           | Stream Straightener, Intermediate Nozzle ■●                       |
| 5           | 102-0136           | 1           | Retainer, Seal, 1.5"                                                          |             | 102-2041           | 1           | Restrictor, Yellow, Inner Nozzle ■●                               |
| 6           | 102-0151           | 1           | Spring, Return                                                                |             | 118-1521           | 1           | Adapter, Main Nozzle ■●                                           |
| 7           | 102-4967           | 1           | Ratchet Ring, 1.5"                                                            |             | 995-09             | 1           | Valve Removal Tool ■●                                             |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                                           |             | 995-101            | 1           | Valve Insertion Tool ■●                                           |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Used With #51, #55, #56, #58 And #59 Main Nozzles) |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                       |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Used With #53, #54 And #57 Main Nozzles)         |             | 995-99             | 1           | Nut Driver, 5/8" (For Main Nozzle) ■●                             |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Used With #52 Main Nozzle)                          |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■● |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                                        |             | 995-83             | 1           | Multi-Purpose Tool ■●                                             |
| 11          | 102-4587           | 1           | Nozzle, Main, #51, Yellow                                                     |             | 995-85             | 1           | Riser Removal Tool ■●                                             |
| 11          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                                       |             | 995-100            | 1           | Valve Snap Ring Pliers With Screen Remover ■●                     |
| 11          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                                      |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■●                                  |
| 11          | 102-0728           | 1           | Nozzle, Main, #54, Orange                                                     |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                        |
| 11          | 102-0729           | 1           | Nozzle, Main, #55, Green                                                      |             | 102-2497           | 1           | Cap, Blank ●■                                                     |
| 11          | 102-0730           | 1           | Nozzle, Main, #56, Gray                                                       |             | 102-2498           | 1           | Cap, Blank, Effluent ●■                                           |
| 11          | 102-4261           | 1           | Nozzle, Main, #57, Black                                                      |             |                    |             |                                                                   |
| 11          | 102-4260           | 1           | Nozzle, Main, #58, Red                                                        |             |                    |             |                                                                   |
| 11          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                                      |             |                    |             |                                                                   |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                                           |             |                    |             |                                                                   |
| 13          | 102-4335           | 1           | Plug, Nozzle                                                                  |             |                    |             |                                                                   |
| 14          | 102-2892           | 1           | Riser Assembly                                                                |             |                    |             |                                                                   |
| 15          | 363-4236           | 1           | Screw, Drive                                                                  |             |                    |             |                                                                   |
| 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                                          |             |                    |             |                                                                   |
| 17          | 102-1939           | 1           | Stator Assembly, Low Flow (Used W/ #51-54 Main Nozzles)                       |             |                    |             |                                                                   |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# FLX55-6RB R Series Conv w/ 24-Pos TruJectory



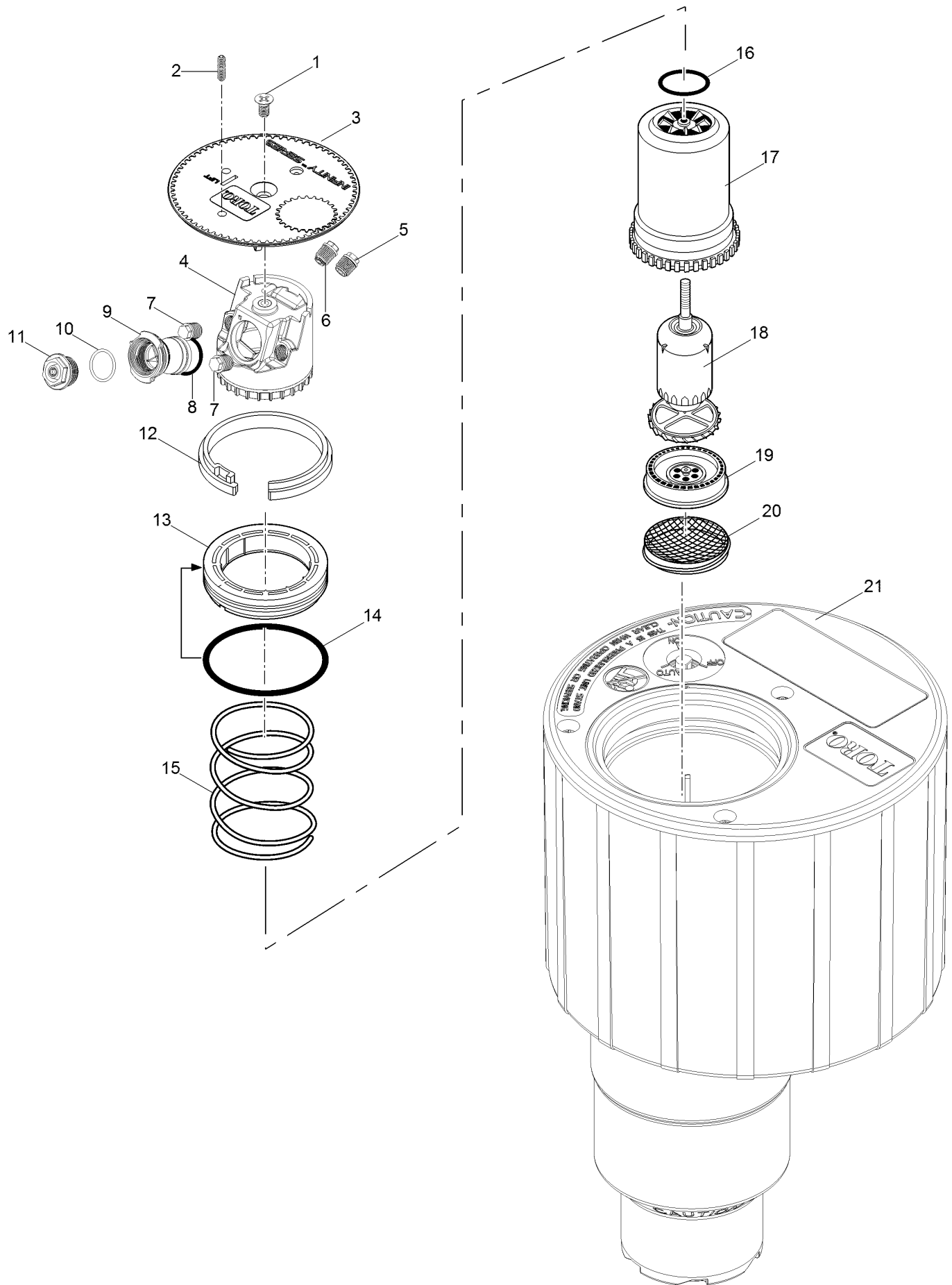
# FLX55-6RB R Series Conv w/ 24-Pos TruJectory (continued)

| Ref. | Part Number | Qty. | Description                    | Ref.     | Part Number | Qty.                      | Description                                                            |
|------|-------------|------|--------------------------------|----------|-------------|---------------------------|------------------------------------------------------------------------|
| 1    | 102-6138    | 1    | Screw, Cap, Black              | 16       | 102-4259    | 1                         | Nozzle, Main, #59, Beige                                               |
| 2    | 363-4839    | 1    | Radius Reduction Screw         | 16       | 118-1521    | 1                         | Adapter, Main Nozzle                                                   |
| 3    | 89-1589     | 1    | Plug, Cap (Black)              | 17       | 363-4104    | 1                         | O-Ring, Main Nozzle                                                    |
| 3    | 118-1103    | 1    | Plug, Cap (Lavender)           | 18       | 102-4335    | 1                         | Plug, Nozzle                                                           |
| 4    | 118-0960    | 1    | Cap, Dt55Rb                    | 19       | 102-2892    | 1                         | Riser Assembly                                                         |
| 5    | 118-0780    | 1    | Snap Ring, Riser               | 20       | 363-4236    | 1                         | Screw, Drive                                                           |
| 6    | 118-0774    | 1    | Retainer, Rb900                | 21       | 102-4504    | 1                         | Drive Assy., 12-Pack                                                   |
| 7    | 364-0576    | 1    | O-Ring, Rb900                  | 22       | 102-1939    | 1                         | Stator Assembly, Low Flow<br>(Used W/ #51-54 Main<br>Nozzles)          |
| 8    | 102-0134    | 1    | Retainer, Seal                 | 22       | 118-7282    | 1                         | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)       |
| 9    | 363-4102    | 1    | O-Ring, Paraffin As-568 232    |          |             |                           | Stator Assembly, Medium<br>Flow (Use W/ #59 Nozzle)                    |
| 10   | 102-0151    | 1    | Spring, Return                 | 22       | 102-1941    | 1                         | Screen, Riser                                                          |
| 11   | 118-0954    | 1    | Riser Hold-Up Tool, Red        | 23       | 102-1715    | 1                         | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ●■                      |
| 12   | 118-0776    | 1    | Ratchet Ring, Rb900            |          |             |                           | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ●■ |
| 13   | 102-5971    | 1    | Trajectory Adjuster            | 118-0974 | 1           | Cap, Blank ●■             | Cap, Blank, Effluent ●■                                                |
| 14   | 102-2925    | 1    | Intermediate Nozzle, Blue      |          |             |                           |                                                                        |
| 14   | 102-2926    | 1    | Intermediate Nozzle,<br>Orange | 995-105  | 1           | Nut Driver, 5/16" ●■      | Multi-Purpose Tool ●■                                                  |
| 14   | 102-2928    | 1    | Intermediate Nozzle, Red       | 995-83   | 1           | Adjustment Tool, 3/32" ●■ |                                                                        |
| 15   | 102-2910    | 1    | Nozzle Assembly, Inner         | 995-82   | 1           |                           |                                                                        |
| 16   | 102-4587    | 1    | Nozzle, Main, #51, Yellow      |          |             |                           |                                                                        |
| 16   | 102-4588    | 1    | Nozzle, Main, #52, Blue        |          |             |                           |                                                                        |
| 16   | 102-4589    | 1    | Nozzle, Main, #53, Brown       |          |             |                           |                                                                        |
| 16   | 102-0728    | 1    | Nozzle, Main, #54, Orange      |          |             |                           |                                                                        |
| 16   | 102-0729    | 1    | Nozzle, Main, #55, Green       |          |             |                           |                                                                        |
| 16   | 102-0730    | 1    | Nozzle, Main, #56, Gray        |          |             |                           |                                                                        |
| 16   | 102-4261    | 1    | Nozzle, Main, #57, Black       |          |             |                           |                                                                        |
| 16   | 102-4260    | 1    | Nozzle, Main, #58, Red         |          |             |                           |                                                                        |

● SERVICE ITEMS

■ Not illustrated

# INF54 Series Golf Sprinkler w/ Dual Trajectory



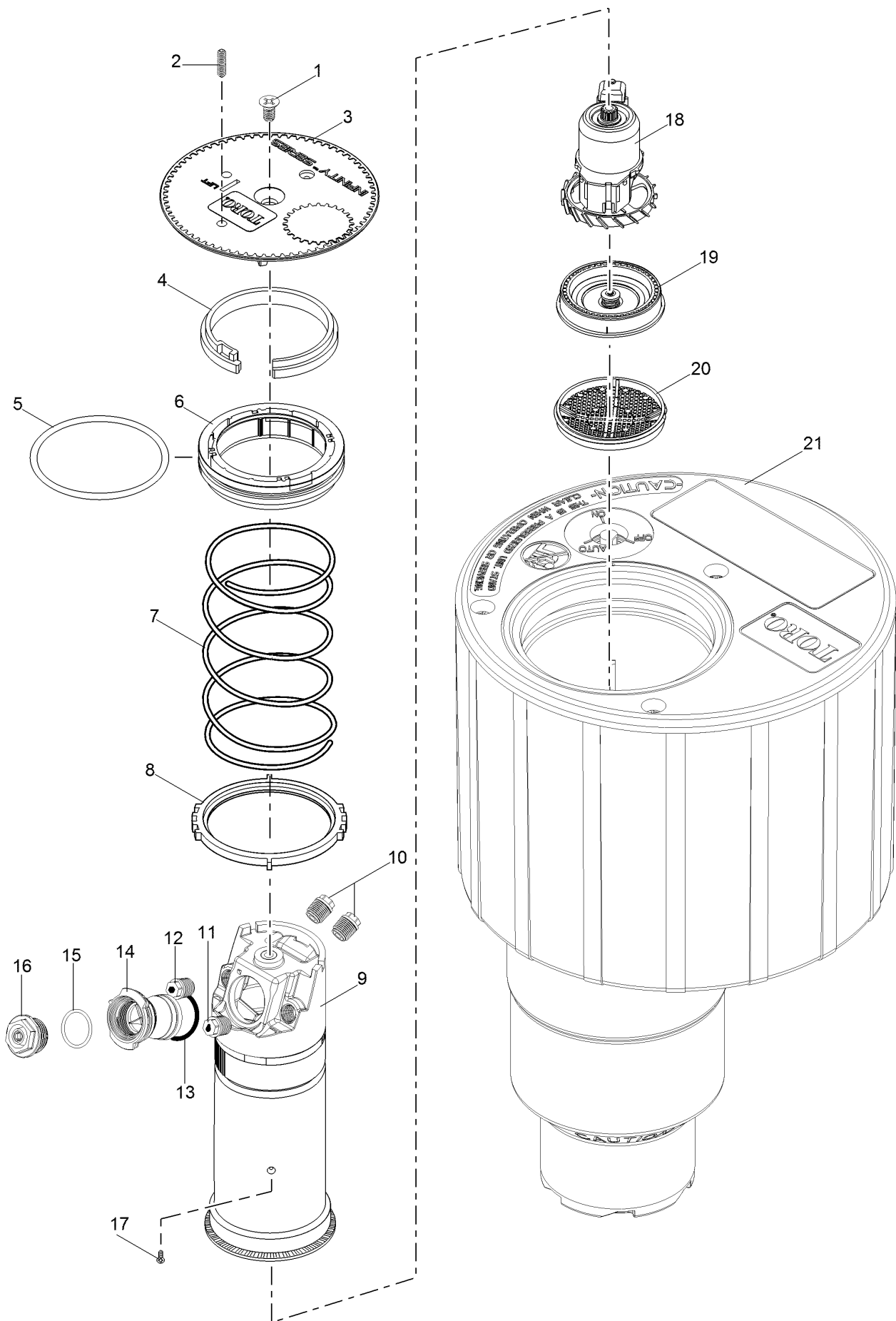
# INF54 Series Golf Sprinkler w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-0362           | 1           | Screw, Cap                                                                                      | 11          | 102-0730           | 1           | Nozzle, Main, #56, Gray                                                 |
| 2           | 363-4839           | 1           | Radius Reduction Screw                                                                          | 11          | 102-4261           | 1           | Nozzle, Main, #57, Black                                                |
| 3           | 118-3091           | 1           | Cap, Black                                                                                      | 11          | 102-4260           | 1           | Nozzle, Main, #58, Red                                                  |
| 3           | 118-3095           | 1           | Cap, Effluent                                                                                   | 11          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                                |
| 4           | 102-5837           | 1           | Nozzle Base Assembly                                                                            | 12          | 35-6119            | 1           | Snap Ring, Riser                                                        |
| 5           | 102-2925           | 1           | Intermediate Nozzle, Blue<br>(Used With #51 Main<br>Nozzle)                                     | 13          | 102-0136           | 1           | Retainer, Seal, 1.5"                                                    |
| 5           | 102-2926           | 1           | Intermediate Nozzle,<br>Orange (Used With #52<br>Main Nozzle)                                   | 14          | 363-4103           | 1           | O-Ring, Body                                                            |
| 5           | 102-2928           | 1           | Intermediate Nozzle, Red<br>(Used With #53 Main<br>Nozzle)                                      | 15          | 102-0151           | 1           | Spring, Return                                                          |
| 5           | 102-2929           | 1           | Intermediate Nozzle, Beige<br>(Used With #54 And #55<br>Main Nozzles)                           | 16          | 363-4167           | 1           | O-Ring, Nozzle Base                                                     |
| 5           | 102-6944           | 1           | Intermediate Nozzle Assy.,<br>Red W/ Stream Straightener<br>(Used With #56 Main<br>Nozzles)     | 17          | 102-0202           | 1           | Riser                                                                   |
| 5           | 102-6945           | 1           | Intermediate Nozzle<br>Assy., Gray W/ Stream<br>Straightener (Used With<br>#57-59 Main Nozzles) | 18          | 102-4503           | 1           | Drive Assembly, 12-Pack                                                 |
| 5           | 102-6883           | 1           | Intermediate Nozzle, Brown<br>(Used With #57 And #58<br>Main Nozzles, Front)                    | 19          | 102-6929           | 1           | Stator, Low Flow, High<br>Velocity (Used With #51-54<br>Main Nozzles)   |
| 6           | 102-6937           | 1           | Nozzle Assy. Inner, Yellow<br>Nozzle W/ Yellow Helical<br>Restrictor                            | 19          | 102-1940           | 1           | Stator Assembly, Medium<br>Flow (Use With #55-58 Main<br>Nozzles)       |
| 7           | 102-4335           | 2           | Plug, Nozzle                                                                                    | 19          | 118-7282           | 1           | Stator Assembly, High Flow<br>(Used W/ #59 Main Nozzle)                 |
| 8           | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                          | 20          | 102-1715           | 1           | Screen, Riser                                                           |
| 9           | 102-5597           | 1           | Nozzle Housing Assy.                                                                            | 21          |                    | 1           | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ▲        |
| 10          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                             |             | 118-1521           | 1           | Adapter, Main Nozzle ■●                                                 |
| 11          | 102-0725           | 1           | Nozzle, Main, #51, Yellow                                                                       |             | 995-09             | 1           | Valve Removal Tool ■●                                                   |
| 11          | 102-7001           | 1           | Nozzle, Main, #52, Blue                                                                         |             | 118-1843           | 1           | Valve Insertion Tool, 1.5" ■●                                           |
| 11          | 102-0727           | 1           | Nozzle, Main, #53, Brown                                                                        |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                             |
| 11          | 102-7002           | 1           | Nozzle, Main, #54, Orange                                                                       |             | 995-99             | 1           | Nut Driver, 5/8" (For Main<br>Nozzle) ■●                                |
| 11          | 102-6908           | 1           | Nozzle, Main, #55, Green                                                                        |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■● |
|             |                    |             |                                                                                                 |             | 995-83             | 1           | Multi-Purpose Tool ■●                                                   |
|             |                    |             |                                                                                                 |             | 995-85             | 1           | Riser Removal Tool ■●                                                   |
|             |                    |             |                                                                                                 |             | 995-100            | 1           | Valve Snap Ring Pliers With<br>Screen Remover ■●                        |
|             |                    |             |                                                                                                 |             | 995-102            | 1           | Riser Hold-Up Tool,<br>Universal ■●                                     |
|             |                    |             |                                                                                                 |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                              |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INF55 Series Golf Sprinkler w/ Dual Trajectory





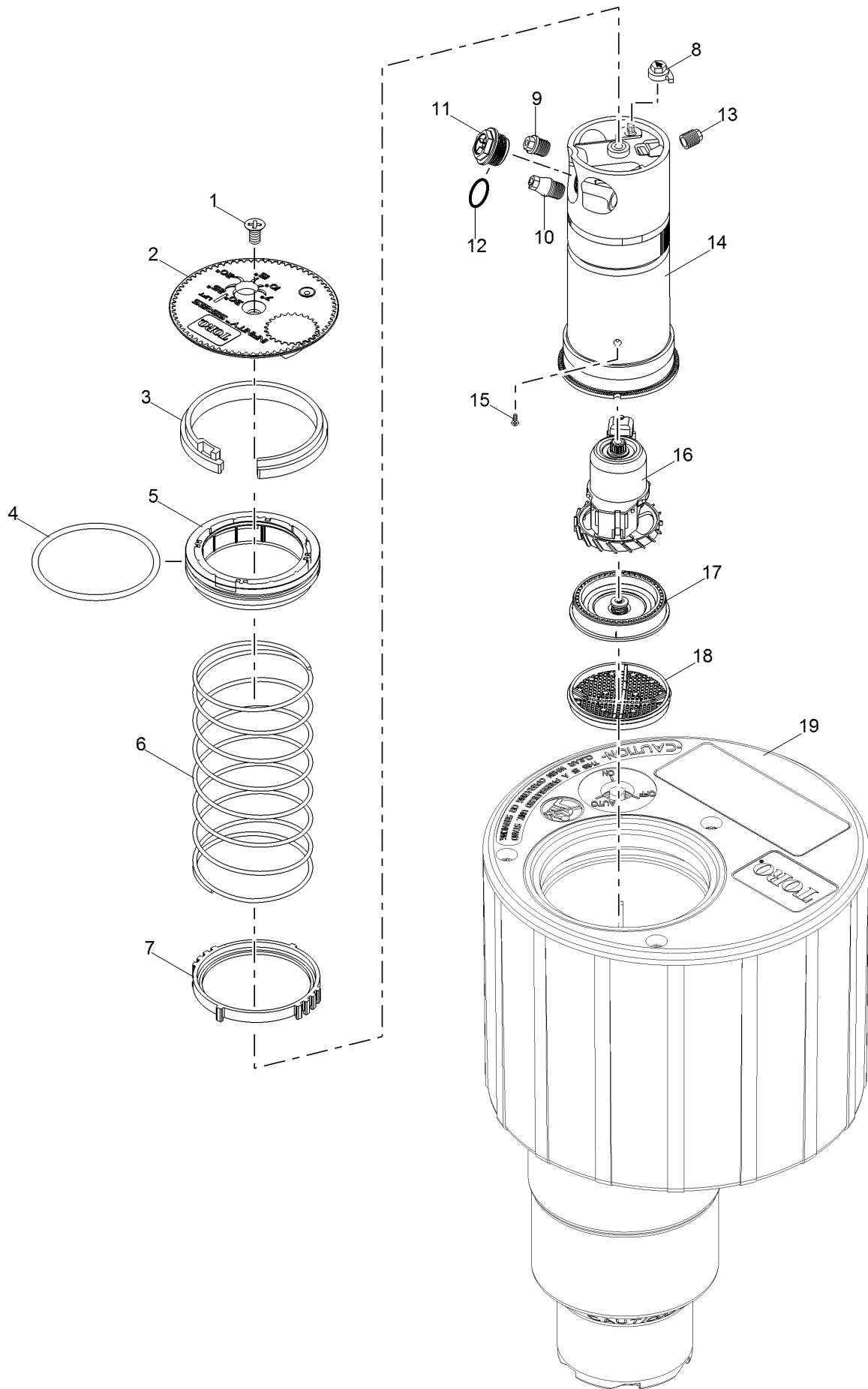
# INF55 Series Golf Sprinkler w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                                               | 16          | 102-6955           | 1           | Nozzle, Main, #55, Green                                                |
| 2           | 363-4839           | 1           | Radius Reduction Screw                                                                          | 16          | 102-6935           | 1           | Nozzle, Main, #56, Gray                                                 |
| 3           | 118-3091           | 1           | Cap, Black                                                                                      | 16          | 102-6936           | 1           | Nozzle, Main, #57, Black                                                |
| 3           | 118-3095           | 1           | Cap, Effluent                                                                                   | 16          | 102-6909           | 1           | Nozzle, Main, #58, Red                                                  |
| 4           | 35-6119            | 1           | Snap Ring, Riser                                                                                | 16          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                                |
| 5           | 363-4103           | 1           | O-Ring, Body                                                                                    | 17          | 363-4236           | 1           | Screw, Drive                                                            |
| 6           | 102-0136           | 1           | Retainer, Seal, 1.5"                                                                            | 18          | 102-4504           | 1           | Drive Assy., 12-Pack                                                    |
| 7           | 102-0151           | 1           | Spring, Return                                                                                  | 19          | 102-1939           | 1           | Stator Assembly, Low Flow<br>(Used W/ #51-54 Main<br>Nozzles)           |
| 8           | 102-4967           | 1           | Ratchet Ring, 1.5"                                                                              | 19          | 118-7282           | 1           | Stator Assembly, Medium<br>Flow (Used W/ #55-58 Main<br>Nozzles)        |
| 9           | 118-1079           | 1           | Riser Assembly                                                                                  | 19          | 102-1941           | 1           | Stator Assembly, High-Flow<br>(Used With #59 Main<br>Nozzle)            |
| 10          | 102-4335           | 2           | Plug, Nozzle                                                                                    | 20          | 102-1715           | 1           | Screen, Riser                                                           |
| 11          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow<br>W/ White Helical Restrictor<br>(Used With #51-55 Main<br>Nozzles) | 21          |                    | 1           | Body Assembly (See Golf<br>Body Assembly Section.) ▲                    |
| 11          | 102-6531           | 1           | Nozzle Assy., Inner, Green<br>W/ White Helical Restrictor<br>(Used With #56-59 Main<br>Nozzles) | 118-1521    |                    | 1           | Adapter, Main Nozzle ■●                                                 |
| 12          | 102-5671           | 1           | Intermediate Nozzle<br>Assy., Brown W/ Stream<br>Straightener (Used With #51<br>Main Nozzle)    | 995-09      |                    | 1           | Valve Removal Tool ■●                                                   |
| 12          | 102-6884           | 1           | Intermediate Nozzle, Yellow<br>(Used With #52-54 Main<br>Nozzles)                               | 118-1843    |                    | 1           | Valve Insertion Tool, 1.5" ■●                                           |
| 12          | 102-6885           | 1           | Intermediate Nozzle, Green<br>(Used With #55-59 Main<br>Nozzles)                                | 995-15      |                    | 1           | Selector Tool (Flag Key) ■●                                             |
| 13          | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                          | 995-99      |                    | 1           | Nut Driver, 5/8" (For Main<br>Nozzle) ■●                                |
| 14          | 102-5597           | 1           | Nozzle Housing Assy.                                                                            | 995-105     |                    | 1           | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■● |
| 15          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                             | 995-83      |                    | 1           | Multi-Purpose Tool ■●                                                   |
| 16          | 102-6906           | 1           | Nozzle, Main, #51, Yellow                                                                       | 995-85      |                    | 1           | Riser Removal Tool ■●                                                   |
| 16          | 102-0726           | 1           | Nozzle, Main, #52, Blue                                                                         | 995-100     |                    | 1           | Valve Snap Ring Pliers With<br>Screen Remover ■●                        |
| 16          | 102-6907           | 1           | Nozzle, Main, #53, Brown                                                                        | 995-102     |                    | 1           | Riser Hold-Up Tool,<br>Universal ■●                                     |
| 16          | 102-0728           | 1           | Nozzle, Main, #54, Orange                                                                       | 118-0954    |                    | 1           | Riser Hold-Up Tool, Red ■●                                              |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INF55-6 Series Golf Sprinkler w/ 24-Pos TruJectory



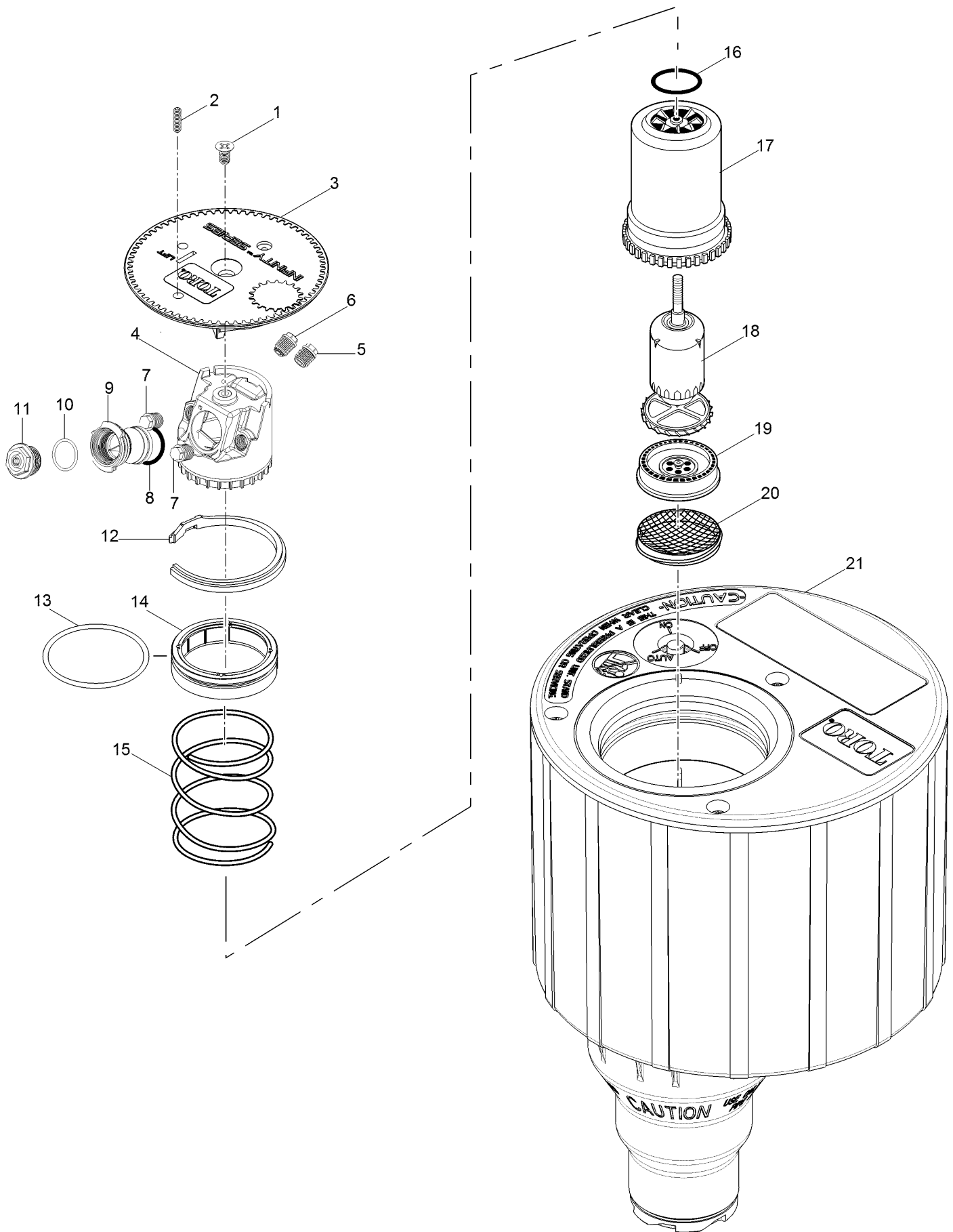
# INF55-6 Series Golf Sprinkler w/ 24-Pos TruJectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                             | 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                              |
| 2           | 118-3092           | 1           | Cap, Black                                                                    | 17          | 102-1939           | 1           | Stator Assembly, Low Flow                                         |
| 2           | 118-3096           | 1           | Cap, Effluent                                                                 | 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #51-54 Main Nozzles)        |
| 3           | 35-6119            | 1           | Snap Ring, Riser                                                              | 17          | 102-1941           | 1           | Stator Assembly, High-Flow (Used With #59 Nozzle)                 |
| 4           | 363-4103           | 1           | O-Ring, Body                                                                  | 18          | 102-1715           | 1           | Screen, Riser                                                     |
| 5           | 102-0136           | 1           | Retainer, Seal, 1.5"                                                          | 19          |                    | 1           | Body Assembly (See Golf Body Assembly Section.) ▲                 |
| 6           | 102-0151           | 1           | Spring, Return                                                                |             | 102-4337           | 1           | Stream Straightener, Intermediate Nozzle ■                        |
| 7           | 102-4967           | 1           | Ratchet Ring, 1.5"                                                            |             |                    |             | ●                                                                 |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                                           |             | 102-2041           | 1           | Restrictor, Yellow, Inner Nozzle ■●                               |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Used With #51, #55, #56, #58 And #59 Main Nozzles) |             | 118-1521           | 1           | Adapter, Main Nozzle ■●                                           |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Used With #53, #54 And #57 Main Nozzles)         |             | 995-09             | 1           | Valve Removal Tool ■●                                             |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Used With #52 Main Nozzle)                          |             | 118-1843           | 1           | Valve Insertion Tool, 1.5" ■●                                     |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                                        |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                       |
| 11          | 102-4587           | 1           | Nozzle, Main, #51, Yellow                                                     |             | 995-99             | 1           | Nut Driver, 5/8" (For Main Nozzle) ■●                             |
| 11          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                                       |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■● |
| 11          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                                      |             | 995-83             | 1           | Multi-Purpose Tool ■●                                             |
| 11          | 102-0728           | 1           | Nozzle, Main, #54, Orange                                                     |             | 995-85             | 1           | Riser Removal Tool ■●                                             |
| 11          | 102-0729           | 1           | Nozzle, Main, #55, Green                                                      |             | 995-100            | 1           | Valve Snap Ring Pliers With Screen Remover ■●                     |
| 11          | 102-0730           | 1           | Nozzle, Main, #56, Gray                                                       |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■●                                  |
| 11          | 102-4261           | 1           | Nozzle, Main, #57, Black                                                      |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                        |
| 11          | 102-4260           | 1           | Nozzle, Main, #58, Red                                                        |             |                    |             |                                                                   |
| 11          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                                      |             |                    |             |                                                                   |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                                           |             |                    |             |                                                                   |
| 13          | 102-4335           | 1           | Plug, Nozzle                                                                  |             |                    |             |                                                                   |
| 14          | 102-2892           | 1           | Riser Assembly                                                                |             |                    |             |                                                                   |
| 15          | 363-4236           | 1           | Screw, Drive                                                                  |             |                    |             |                                                                   |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INF34 Series Golf Sprinkler w/ Dual Trajectory



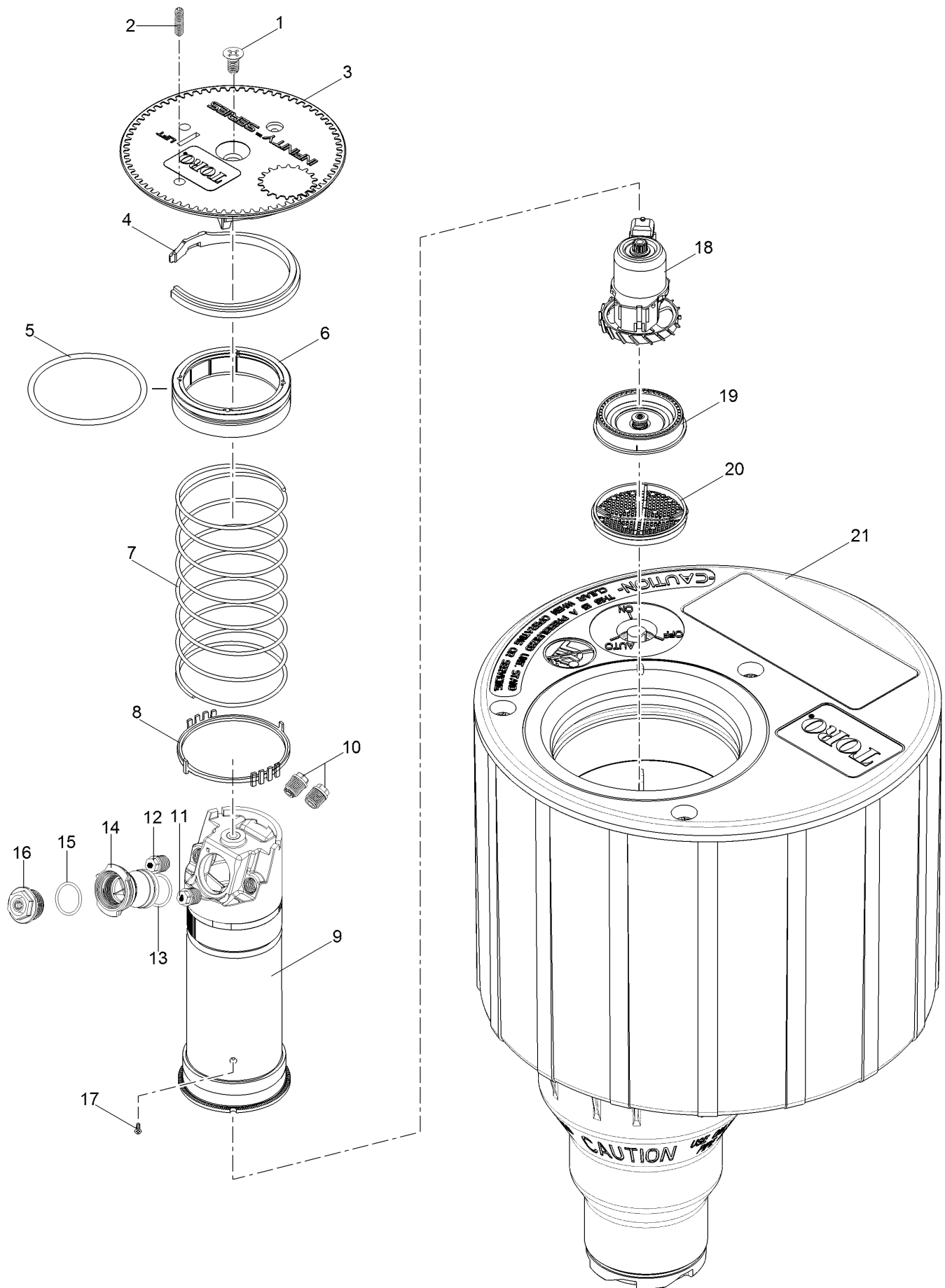
# INF34 Series Golf Sprinkler w/ Dual Trajectory (continued)

| Ref. | Part Number | Qty. | Description                                                                                 | Ref.     | Part Number | Qty. | Description                                                             |
|------|-------------|------|---------------------------------------------------------------------------------------------|----------|-------------|------|-------------------------------------------------------------------------|
| 1    | 102-0362    | 1    | Screw, Cap                                                                                  | 11       | 102-0730    | 1    | Nozzle, Main, #36, Gray                                                 |
| 2    | 363-4839    | 1    | Radius Reduction Screw                                                                      | 11       | 102-4261    | 1    | Nozzle, Main, #37, Black                                                |
| 3    | 118-3089    | 1    | Cap, Black                                                                                  | 12       | 89-1385     | 1    | Snap Ring, Riser                                                        |
| 3    | 118-3093    | 1    | Cap, Effluent                                                                               | 13       | 363-4102    | 1    | O-Ring, Paraffin As-568 232                                             |
| 4    | 102-5837    | 1    | Nozzle Base Assembly                                                                        | 14       | 102-0134    | 1    | Retainer, Seal                                                          |
| 5    | 102-2925    | 1    | Intermediate Nozzle, Blue<br>(Used With #31 Main<br>Nozzle)                                 | 15       | 102-0151    | 1    | Spring, Return                                                          |
| 5    | 102-2926    | 1    | Intermediate Nozzle,<br>Orange (Used With #32<br>Main Nozzle)                               | 16       | 363-4167    | 1    | O-Ring, Nozzle Base                                                     |
| 5    | 102-2928    | 1    | Intermediate Nozzle, Red<br>(Used With #33 Main<br>Nozzle)                                  | 17       | 102-0202    | 1    | Riser                                                                   |
| 5    | 102-2929    | 1    | Intermediate Nozzle, Beige<br>(Used With #34 And #35<br>Main Nozzles)                       | 18       | 102-4503    | 1    | Drive Assembly, 12-Pack                                                 |
| 5    | 102-6944    | 1    | Intermediate Nozzle Assy.,<br>Red W/ Stream Straightener<br>(Used With #36 Main<br>Nozzle)  | 19       | 102-6929    | 1    | Stator, Low Flow, High<br>Velocity (Used With #31-34<br>Main Nozzles)   |
| 5    | 102-6945    | 1    | Intermediate Nozzle<br>Assy., Gray W/ Stream<br>Straightener (Used With #37<br>Main Nozzle) | 19       | 102-1940    | 1    | Stator Assembly, Medium<br>Flow (Used With #35-37<br>Main Nozzles)      |
| 6    | 102-6937    | 1    | Nozzle Assy. Inner, Yellow<br>Nozzle W/ Yellow Helical<br>Restrictor                        | 20       | 102-1715    | 1    | Screen, Riser                                                           |
| 7    | 102-4335    | 2    | Plug, Nozzle                                                                                | 21       |             | 1    | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ▲        |
| 8    | 102-5978    | 1    | O-Ring, Nozzle Housing                                                                      | 995-08   |             | 1    | Valve Removal Tool ■●                                                   |
| 9    | 102-5597    | 1    | Nozzle Housing Assy.                                                                        | 118-1844 |             | 1    | Valve Insertion Tool, 1" ■●                                             |
| 10   | 363-4978    | 1    | O-Ring, Main Nozzle                                                                         | 995-15   |             | 1    | Selector Tool (Flag Key) ■●                                             |
| 11   | 102-0725    | 1    | Nozzle, Main, #31, Yellow                                                                   | 995-99   |             | 1    | Nut Driver, 5/8" (For Main<br>Nozzle) ■●                                |
| 11   | 102-7001    | 1    | Nozzle, Main, #32, Blue                                                                     | 995-105  |             | 1    | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■● |
| 11   | 102-0727    | 1    | Nozzle, Main, #33, Brown                                                                    | 995-83   |             | 1    | Multi-Purpose Tool ■●                                                   |
| 11   | 102-7002    | 1    | Nozzle, Main, #34, Orange                                                                   | 995-85   |             | 1    | Riser Removal Tool ■●                                                   |
| 11   | 102-6908    | 1    | Nozzle, Main, #35, Green                                                                    | 995-100  |             | 1    | Valve Snap Ring Pliers With<br>Screen Remover ■●                        |
|      |             |      |                                                                                             | 995-102  |             | 1    | Riser Hold-Up Tool,<br>Universal ■●                                     |
|      |             |      |                                                                                             | 118-0954 |             | 1    | Riser Hold-Up Tool, Red ■●                                              |
|      |             |      |                                                                                             | 118-1521 |             | 1    | Adapter, Main Nozzle ●■                                                 |
|      |             |      |                                                                                             | 102-2208 |             | 1    | Main Nozzle Plug ●■                                                     |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INF35 Series Golf Sprinkler w/ Dual Trajectory



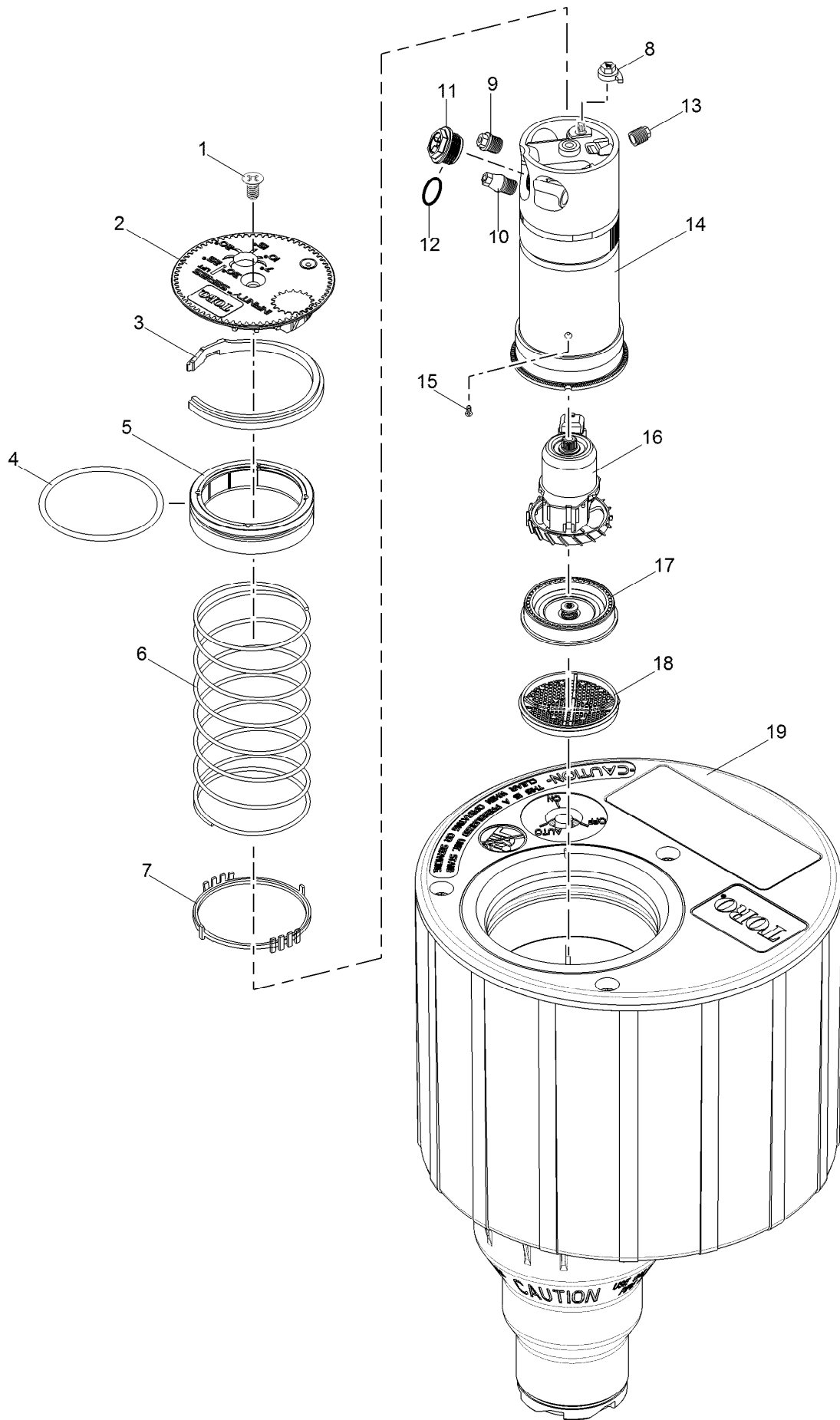
# INF35 Series Golf Sprinkler w/ Dual Trajectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                                      | 16          | 102-6906           | 1           | Nozzle, Main, #31, Yellow                                         |
| 2           | 363-4839           | 1           | Radius Reduction Screw                                                                 | 16          | 102-0726           | 1           | Nozzle, Main, #32, Blue                                           |
| 3           | 118-3089           | 1           | Cap, Black                                                                             | 16          | 102-6907           | 1           | Nozzle, Main, #33, Brown                                          |
| 3           | 118-3093           | 1           | Cap, Effluent                                                                          | 16          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                         |
| 4           | 89-1385            | 1           | Snap Ring, Riser                                                                       | 16          | 102-6955           | 1           | Nozzle, Main, #35, Green                                          |
| 5           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                                            | 16          | 102-6935           | 1           | Nozzle, Main, #36, Gray                                           |
| 6           | 102-0134           | 1           | Retainer, Seal                                                                         | 16          | 102-6936           | 1           | Nozzle, Main, #37, Black                                          |
| 7           | 102-0151           | 1           | Spring, Return                                                                         | 16          | 118-1521           | 1           | Adapter, Main Nozzle                                              |
| 8           | 102-2619           | 1           | Ratchet Ring, 1"                                                                       | 17          | 363-4236           | 1           | Screw, Drive                                                      |
| 9           | 118-1079           | 1           | Riser Assembly                                                                         | 18          | 102-4504           | 1           | Drive Assy., 12-Pack                                              |
| 10          | 102-4335           | 2           | Plug, Nozzle                                                                           | 19          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Used With #30 Main Nozzle)       |
| 11          | 102-5670           | 1           | Nozzle Assy. Inner, Yellow W/ White Helical Restrictor (Used With #30-35 Main Nozzles) | 19          | 102-1939           | 1           | Stator Assembly, Low Flow (Used W/ #31-34 Main Nozzles)           |
| 11          | 102-6531           | 1           | Nozzle Assy., Inner, Green W/ White Helical Restrictor (Used With #36-37 Main Nozzles) | 19          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #35-37 Main Nozzles)        |
| 12          | 102-6942           | 1           | Intermediate Nozzle Assy., Beige W/ Stream Straightener (Used With #30 Main Nozzle)    | 20          | 102-1715           | 1           | Screen, Riser                                                     |
| 12          | 102-5671           | 1           | Intermediate Nozzle Assy., Brown W/ Stream Straightener (Used With #31 Main Nozzle)    | 21          |                    | 1           | Body Assembly (See Golf Body Assembly Section.) ▲                 |
| 12          | 102-6884           | 1           | Intermediate Nozzle, Yellow (Used With #32-34 Main Nozzles)                            |             | 995-08             | 1           | Valve Removal Tool ■●                                             |
| 12          | 102-6885           | 1           | Intermediate Nozzle, Green (Used With #35-37 Main Nozzles)                             |             | 118-1844           | 1           | Valve Insertion Tool, 1" ■●                                       |
| 13          | 102-5978           | 1           | O-Ring, Nozzle Housing                                                                 |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                       |
| 14          | 102-5597           | 1           | Nozzle Housing Assy.                                                                   |             | 995-99             | 1           | Nut Driver, 5/8" (For Main Nozzle) ■●                             |
| 15          | 363-4978           | 1           | O-Ring, Main Nozzle                                                                    |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■● |
| 16          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                                               |             | 995-83             | 1           | Multi-Purpose Tool ■●                                             |
|             |                    |             |                                                                                        |             | 995-85             | 1           | Riser Removal Tool ■●                                             |
|             |                    |             |                                                                                        |             | 995-100            | 1           | Valve Snap Ring Pliers With Screen Remover ■●                     |
|             |                    |             |                                                                                        |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■●                                  |
|             |                    |             |                                                                                        |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                        |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INF35-6 Series Golf Sprinkler w/ 24-Pos TruJectory





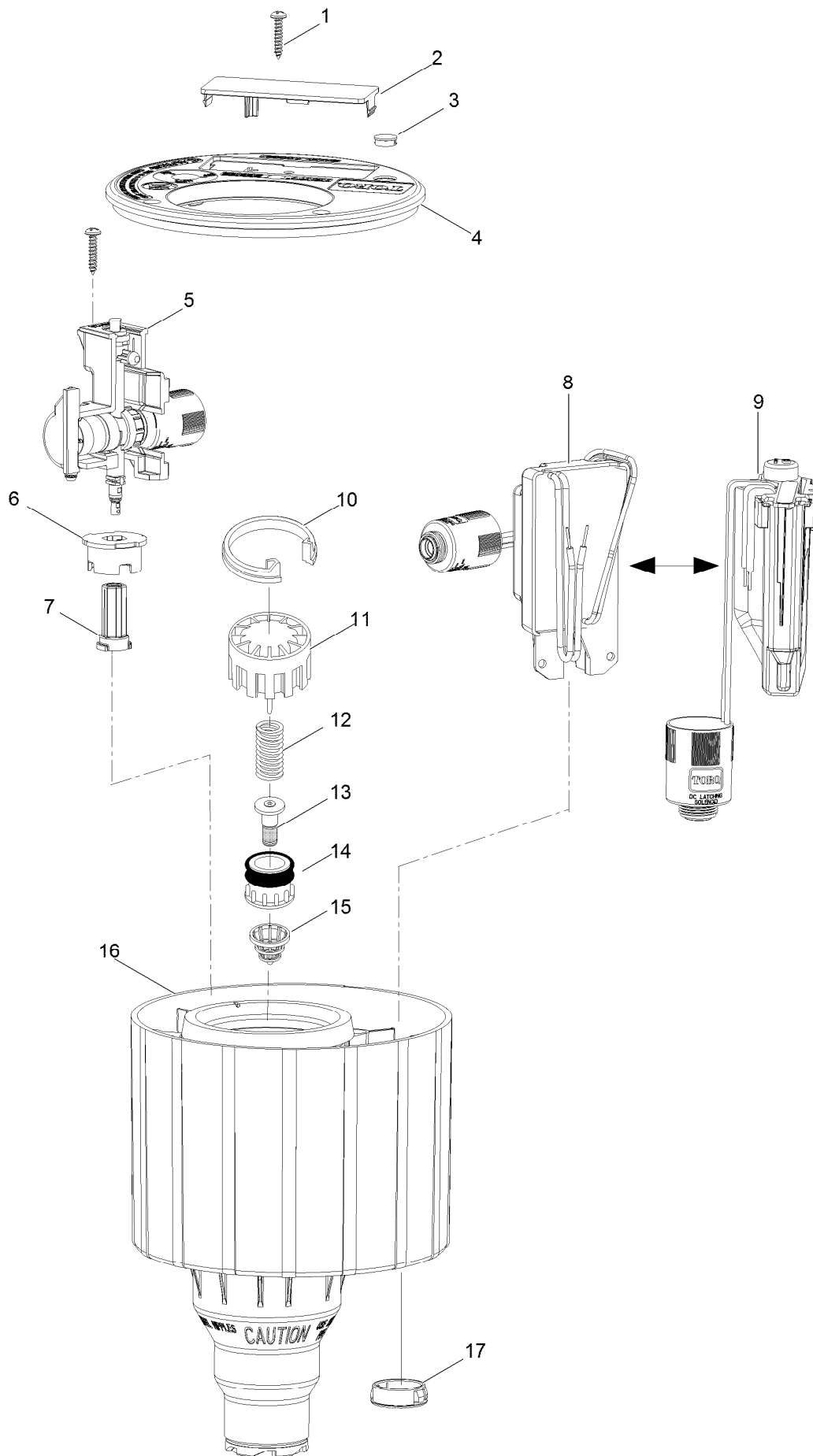
# INF35-6 Series Golf Sprinkler w/ 24-Pos TruJectory (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                             |
|-------------|--------------------|-------------|--------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                        | 15          | 363-4236           | 1           | Screw, Drive                                                                   |
| 2           | 118-3090           | 1           | Cap, Black                                                               | 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                                           |
| 2           | 118-3094           | 1           | Cap, Effluent                                                            | 17          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Used With #30 Main Nozzle And Nozzle Adapter) |
| 3           | 89-1385            | 1           | Snap Ring, Riser                                                         | 17          | 102-1939           | 1           | Stator Assembly, Low Flow (Used W/ #31-34 Main Nozzles)                        |
| 4           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                              | 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #35-37 Main Nozzles)                     |
| 5           | 102-0134           | 1           | Retainer, Seal                                                           | 18          | 102-1715           | 1           | Screen, Riser                                                                  |
| 6           | 102-0151           | 1           | Spring, Return                                                           | 19          |                    | 1           | Body Assembly (See Golf Body Assembly Section.) ▲                              |
| 7           | 102-2619           | 1           | Ratchet Ring, 1"                                                         |             | 995-08             | 1           | Valve Removal Tool ■●                                                          |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                                      |             | 118-1844           | 1           | Valve Insertion Tool, 1" ■●                                                    |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Used With #30, #31, #35 And #36 Main Nozzles) |             | 995-15             | 1           | Selector Tool (Flag Key) ■●                                                    |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Used With #33, #34 And #37 Main Nozzles)    |             | 995-99             | 1           | Nut Driver, 5/8" (For Main Nozzle) ■●                                          |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Used With #32 Main Nozzle)                     |             | 995-105            | 1           | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■●              |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                                   |             | 995-83             | 1           | Multi-Purpose Tool ■●                                                          |
| 11          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                                 |             | 995-85             | 1           | Riser Removal Tool ■●                                                          |
| 11          | 102-4587           | 1           | Nozzle, Main, #31, Yellow                                                |             | 995-100            | 1           | Valve Snap Ring Pliers With Screen Remover ■●                                  |
| 11          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                                  |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■●                                               |
| 11          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                                 |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■●                                                     |
| 11          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                                |             |                    |             |                                                                                |
| 11          | 102-0729           | 1           | Nozzle, Main, #55, Green                                                 |             |                    |             |                                                                                |
| 11          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                                  |             |                    |             |                                                                                |
| 11          | 102-4261           | 1           | Nozzle, Main, #37, Black                                                 |             |                    |             |                                                                                |
| 11          | 118-1521           | 1           | Adapter, Main Nozzle                                                     |             |                    |             |                                                                                |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                                      |             |                    |             |                                                                                |
| 13          | 102-4335           | 1           | Plug, Nozzle                                                             |             |                    |             |                                                                                |
| 14          | 102-2892           | 1           | Riser Assembly                                                           |             |                    |             |                                                                                |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INFINITY Series 1 Inch Golf Sprinkler Body



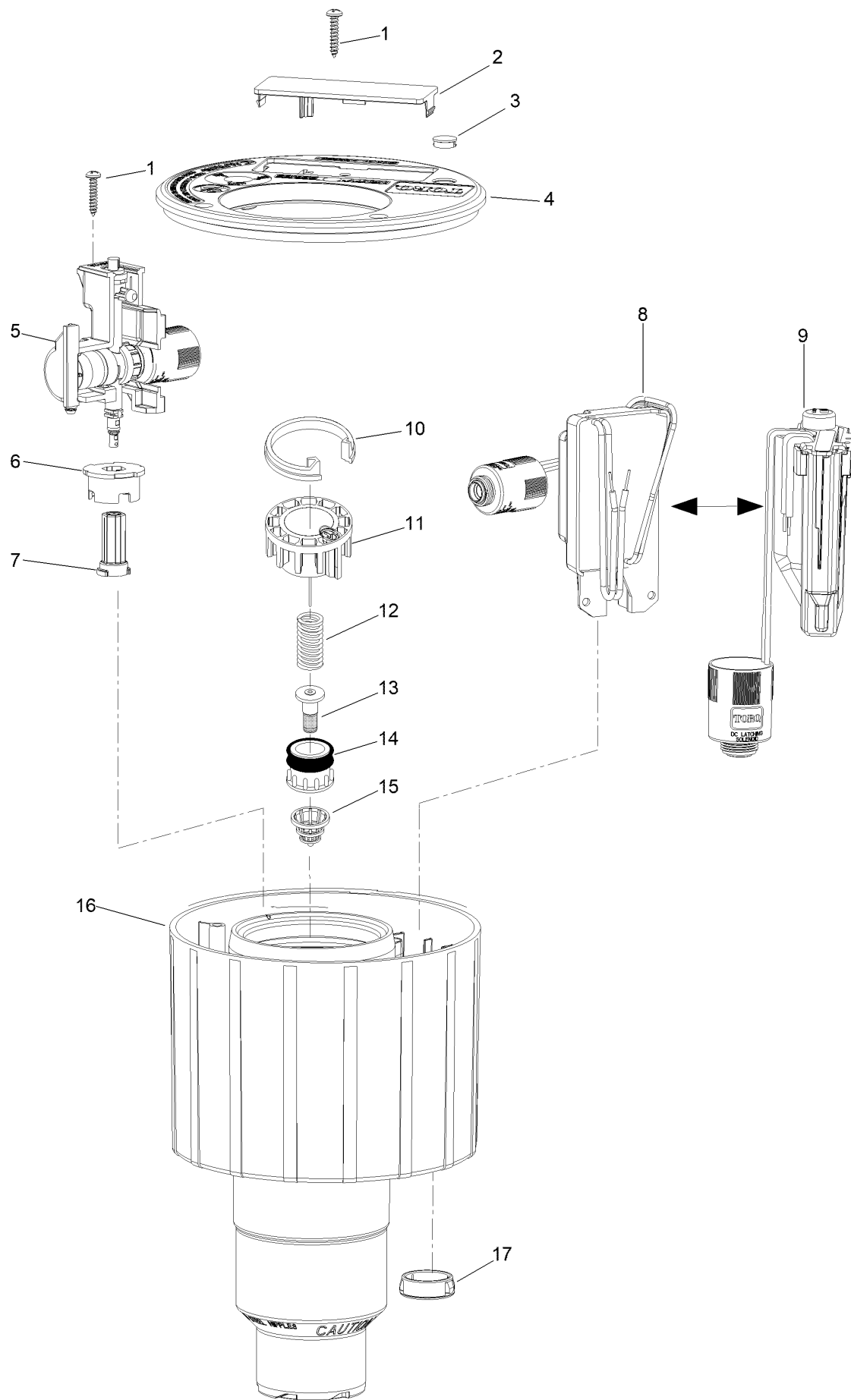
# INFINITY Series 1 Inch Golf Sprinkler Body (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                        |
|-------------|--------------------|-------------|-----------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------|
| 1           | 363-6875           | 1           | Screw, Tap, 10-12 X 1.00                                  | 14          | 89-1054            | 1           | Piston Assy., EI & NC<br>(Includes Item 13)                                               |
| 2           | 118-1840           | 1           | Marker, Blank                                             | 15          | 102-0784           | 1           | Rock Screen, 1                                                                            |
| 2           | 118-6234           | 1           | Marker, Laser Etched, White                               | 16          | 118-3031           | 1           | Body, W/ Comp, 1 Inch<br>Acme                                                             |
| 2           | 118-6235           | 1           | Marker, Laser Etched,<br>Yellow                           | 17          | 364-1164           | 1           | Plug, Cable Access                                                                        |
| 3           | 118-5398           | 1           | Window                                                    |             | 118-3651           | 1           | Wire Splice Kit (Includes<br>2 Gel Caps And 2 Wire<br>Nuts)(Satellite Systems<br>Only) ■● |
| 4           | 118-5401           | 1           | Cover W/ Window (Includes<br>Item 3)                      |             | 995-80             | 1           | Nut Driver, 1/2 Inch (For<br>Check Flow Assembly) ■●                                      |
| 4           | 118-1813           | 1           | Cover W/O Window                                          |             | DEC-ISP-1GB        | 1           | Gdc Module W/O Solenoid,<br>1-Station, Golf Body ■●                                       |
| 5           |                    | 1           | Pilot Valve Assy. (See Pilot<br>Valve Assembly Section) ▲ |             | LSM-1              | 1           | Lsm Module, Flx W/O<br>Solenoid, 1-Station, Golf<br>Body ■●                               |
| 6           | 118-1815           | 1           | Retainer, Check Valve                                     |             | 102-0624           | 1           | Valve Assy., 1 Inch, Electric<br>(Includes Items 11, 12 And<br>14) ■●                     |
| 7           | 118-1827           | 1           | Check Flow Assy., Vih<br>Communication                    |             | 118-1844           | 1           | Valve Insertion Tool, 1 Inch<br>■●                                                        |
| 8           | 118-0841SK         | 1           | Gdc Module W/ Solenoid,<br>1-Station, Golf Body           |             |                    |             |                                                                                           |
| 9           | 118-7149SK         | 1           | Lsm, 1-Station, Golf Body,<br>Inf W/ Solenoid             |             |                    |             |                                                                                           |
| 10          | 89-4702            | 1           | Snap Ring, Valve                                          |             |                    |             |                                                                                           |
| 11          | 102-0623           | 1           | Cylinder Assy., EI & No/Com                               |             |                    |             |                                                                                           |
| 12          | 102-6411           | 1           | Spring, Valve, EI/No, Silver                              |             |                    |             |                                                                                           |
| 13          | 35-9646            | 1           | Filter Assy., Metering, EI,<br>NC                         |             |                    |             |                                                                                           |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# INFINITY Series 1.5 Inch Golf Sprinkler Body



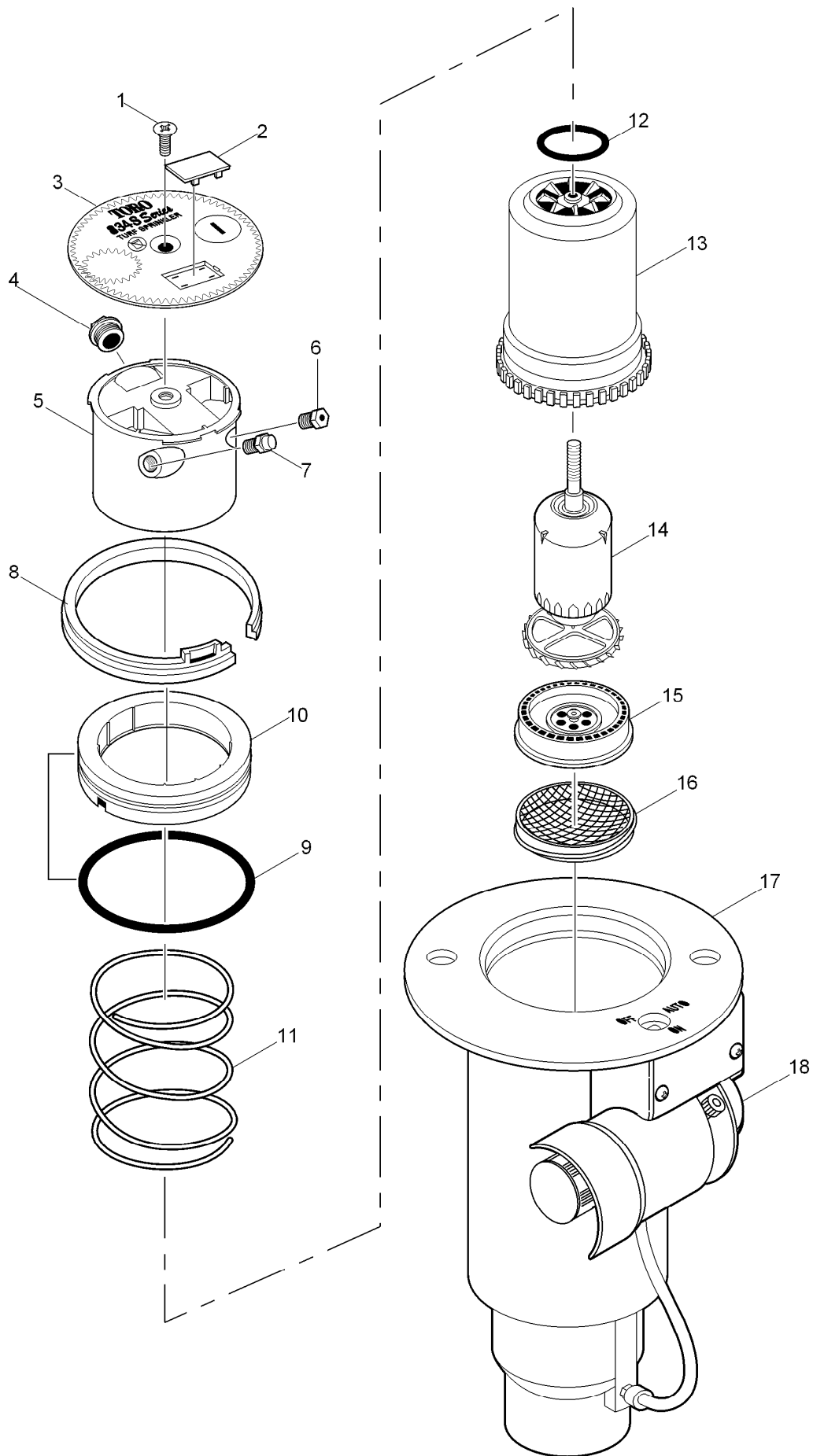
# INFINITY Series 1.5 Inch Golf Sprinkler Body (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               |
|-------------|--------------------|-------------|---------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------------|
| 1           | 363-6875           | 1           | Screw, Tap, 10-12 X 1.00                                | 13          | 35-9645            | 1           | Filter Assy., Metering, EI & NC                                                  |
| 2           | 118-1840           | 1           | Marker, Blank                                           | 14          | 102-5101           | 1           | Piston Assy., EI                                                                 |
| 2           | 118-6234           | 1           | Marker, Laser Etched, White                             | 15          | 102-6065           | 1           | Rock Screen, 1.5 Inch                                                            |
| 2           | 118-6235           | 1           | Marker, Laser Etched, Yellow                            | 16          | 118-3030           | 1           | Body, W/ Comp, 1.5 Inch                                                          |
| 3           | 118-5398           | 1           | Window                                                  | 17          | 364-1164           | 1           | Plug, Cable Access                                                               |
| 4           | 118-5401           | 1           | Cover W/ Window (Includes Item 3)                       |             | 118-3651           | 1           | Wire Splice Kit (Includes 2 Gel Caps And 2 Wire Nuts)(Satellite Systems Only) ■● |
| 4           | 118-1813           | 1           | Cover W/O Window                                        |             | DEC-ISP-1GB        | 1           | Gdc Module W/O Solenoid, 1-Station, Golf Body ■●                                 |
| 5           |                    | 1           | Pilot Valve Assy. (See Pilot Valve Assembly Section.) ▲ |             | LSM-1              | 1           | Lsm Module, Flx W/O Solenoid, 1-Station, Golf Body ■●                            |
| 6           | 118-1815           | 1           | Retainer, Check Valve                                   |             | 995-80             | 1           | Nut Driver, 1/2 Inch (For Check Flow Assembly) ■●                                |
| 7           | 118-1827           | 1           | Check Flow Assy., Vih Communication                     |             | 102-4003           | 1           | Valve Assy., 1.5 Inch, Electric (Includes Items 11, 12 And 14) ■●                |
| 8           | 118-0841SK         | 1           | Gdc Module W/ Solenoid, 1-Station, Golf Body            |             | 118-1843           | 1           | Valve Insertion Tool, 1.5 Inch ■●                                                |
| 9           | 118-7149SK         | 1           | Lsm, 1-Station, Golf Body, Inf W/ Solenoid              |             |                    |             |                                                                                  |
| 10          | 3-3304             | 1           | Snap Ring, Valve                                        |             |                    |             |                                                                                  |
| 11          | 102-0626           | 1           | Cylinder Assy., EI And No/Com                           |             |                    |             |                                                                                  |
| 12          | 102-6411           | 1           | Spring, Valve, EI/No, Silver                            |             |                    |             |                                                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# 834S Series Sprinkler - Pre-August 2007



## 834S Series Sprinkler - Pre-August 2007 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                   |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------------------|
| 1           | 102-0362           | 1           | Screw, Cap                                                                                  | 18          |                    | 1           | Pilot Valve Assembly<br>(See Pilot Valve Assembly<br>Section) ◻ ◆                    |
| 2           | 89-1589            | 1           | Plug, Cap (Black)                                                                           |             | 102-2208           |             | Nozzle, Main, #30 (Plug) ● ▲                                                         |
| 3           | 102-1703           | 1           | Cap, 834S, Effluent                                                                         |             | 102-0840           |             | Nozzle, Inner/Intermediate,<br>Blank, Red ● ▲                                        |
| 4           | 102-0725           | 1           | Nozzle, Main, #31, Yellow                                                                   |             | 102-2041           |             | Restrictor, Yellow, Inner<br>Nozzle ● ▲                                              |
| 4           | 102-0726           | 1           | Nozzle, Main, #32, Blue                                                                     |             | 102-4337           | 1           | Stream Straightener,<br>Intermediate Nozzle ●<br>▲                                   |
| 4           | 102-0727           | 1           | Nozzle, Main, #33, Brown                                                                    |             |                    |             |                                                                                      |
| 4           | 102-0728           | 1           | Nozzle, Main, #34, Orange                                                                   |             |                    |             |                                                                                      |
| 4           | 102-0729           | 1           | Nozzle, Main, #55, Green                                                                    |             |                    |             |                                                                                      |
| 4           | 102-0730           | 1           | Nozzle, Main, #36, Gray                                                                     |             |                    |             |                                                                                      |
| 4           | 102-4261           | 1           | Nozzle, Main, #37, Black                                                                    |             |                    |             |                                                                                      |
| 5           | 102-7406           | 1           | Nozzle Base Kit, Dual<br>Trajectory (Includes Items<br>1-5, 7-10 On 834S Present<br>Models) |             | YARDMARKYEL        | 1           | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ● ▲                                   |
| 6           | 102-2105           | 1           | Nozzle Assy. Intermediate,<br>Blue (Used W/ #1 Yellow<br>And #2 Blue Mains)                 |             | YARDMARKLAV        | 1           | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ● ▲              |
| 6           | 102-2106           | 1           | Nozzle Assy. Intermediate,<br>Orange (Used W/ #3 Brown<br>& #4 Orange Mains)                |             | FLX34S-3134        | 1           | Conversion Assembly, Flx34<br>W/ #31, 32, 33, 34 Nozzles<br>● ▲                      |
| 6           | 102-2107           | 1           | Nozzle Assy. Intermediate,<br>Gray (Used W/ #5 Green &<br>#6 Gray Mains)                    |             | FLX34S-3134E       | 1           | Conversion Assembly, Flx34<br>W/ #31, 32, 33, 34 Nozzles,<br>Effluent (Lavender) ● ▲ |
| 6           | 102-2981           | 1           | Nozzle Assy. Intermediate,<br>Red (Used W/ #7 Black<br>Main)                                |             | FLX34S-3537        | 1           | Conversion Assembly, Flx34<br>W/ #35, 36, 37 Nozzles ● ▲                             |
| 7           | 102-2980           | 1           | Nozzle Assy. Inner, Red (W/<br>Restrictor)                                                  |             | FLX34S-3537E       | 1           | Conversion Assembly, Flx34<br>W/ #35, 36, 37 Nozzles,<br>Effluent (Lavender) ● ▲     |
| 8           | 89-1385            | 1           | Snap Ring, Riser                                                                            |             | 995-08             |             | Valve Removal Tool ■ ▲                                                               |
| 9           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                                                 |             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                                         |
| 10          | 102-0134           | 1           | Retainer, Seal                                                                              |             | 995-76             |             | Valve Insertion Tool ■ ▲                                                             |
| 11          | 102-0151           | 1           | Spring, Return                                                                              |             | 995-79             |             | Nut Driver, 7/16" (For Inner<br>And Intermediate Nozzles)<br>■ ▲                     |
| 12          | 363-4167           | 1           | O-Ring, Nozzle Base                                                                         |             | 995-83             |             | Multi-Purpose Tool ■ ▲                                                               |
| 13          | 102-0202           | 1           | Riser                                                                                       |             | 995-85             |             | Riser Removal Tool ■ ▲                                                               |
| 14          | 102-4503           | 1           | Drive Assembly, 12-Pack                                                                     |             | 995-99             |             | Nut Driver, 5/8" (For Main<br>Nozzle) ■ ▲                                            |
| 15          | 102-6929           | 1           | Stator, Low Flow (Used With<br>#1-4 Main Nozzles)                                           |             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■ ▲                                    |
| 15          | 102-1940           | 1           | Stator Assembly, Medium<br>Flow (Used W/ #5-7 Main<br>Nozzles)                              |             | 995-102            |             | Riser Hold-Up Tool,<br>Universal ■ ▲                                                 |
| 16          | 102-1715           | 1           | Screen, Riser                                                                               |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■ ▲                                                          |
| 17          |                    | 1           | Body Assembly (See Golf<br>Body Assembly Section) ◻ ◆                                       |             | 118-1521           | 1           | Adapter, Main Nozzle ● ▲                                                             |

● SERVICE ITEMS

▲ Not illustrated

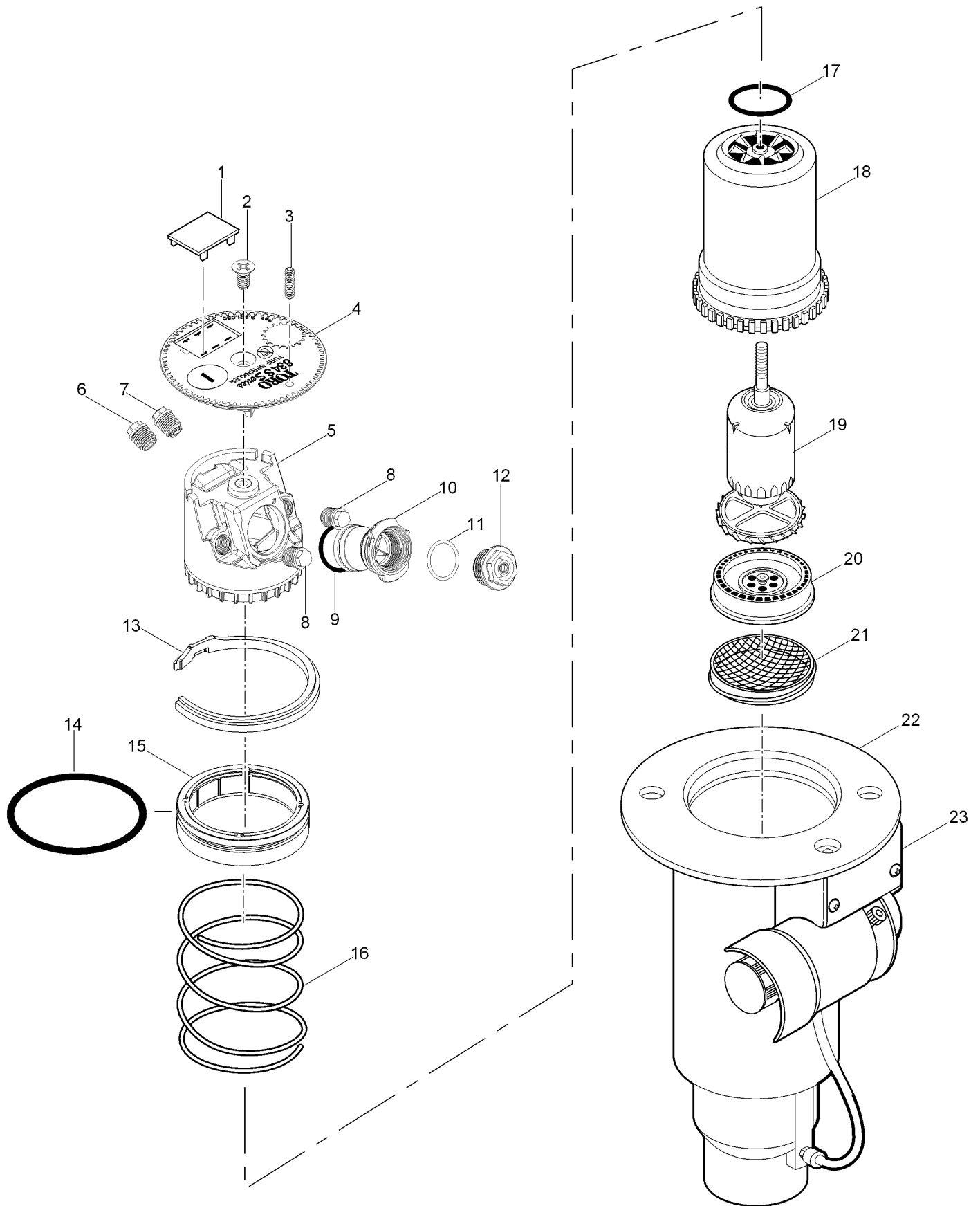
◻ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 834S Series Sprinkler - August 2007-2014





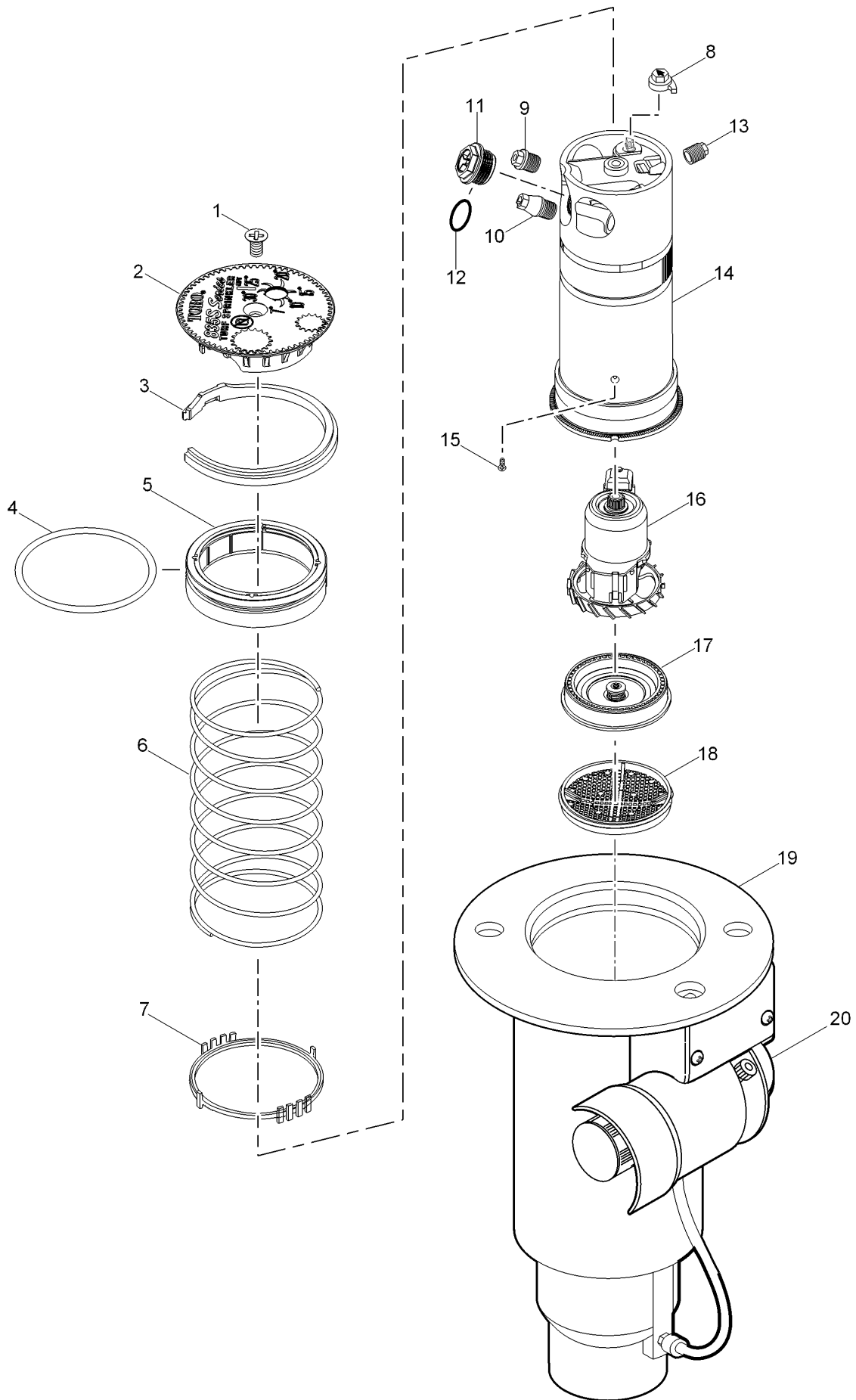
# 834S Series Sprinkler - August 2007-2014 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|-----------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 89-1589            | 1           | Plug, Cap (Black)                                                                 | 20          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Used W/ #1-#4 Mains)                   |
| 2           | 102-0362           | 1           | Screw, Cap                                                                        | 20          | 102-1940           | 1           | Stator Assembly, Medium Flow (Used W/ #5-#7 Mains)                      |
| 3           | 363-4839           | 1           | Radius Reduction Screw                                                            | 21          | 102-1715           | 1           | Screen, Riser                                                           |
| 4           | 118-6918           | 1           | Cap, Flx Series                                                                   | 22          |                    | 1           | Body Assembly (See Golf Sprinkler Body Assembly Section) ♦              |
| 4           | 102-5590           | 1           | Cap, 834S, Effluent                                                               | 23          |                    | 1           | Pilot Valve Assembly (See Pilot Valve Assembly Section) ♦               |
| 5           | 102-5837           | 1           | Nozzle Base Assembly                                                              |             | 102-2208           |             | Nozzle, Main, #30 (Plug) ●▲                                             |
| 6           | 102-2925           | 1           | Intermediate Nozzle, Blue (Used W/ #1 Main)                                       |             | 102-5672           |             | Cap, Blank ●▲                                                           |
| 6           | 102-2926           | 1           | Intermediate Nozzle, Orange (Used W/ #2 Main)                                     |             | 102-5673           |             | Cap, Blank, Effluent ●▲                                                 |
| 6           | 102-2928           | 1           | Intermediate Nozzle, Red (Used W/ #3 Main)                                        |             | YARDMARKYEL        | 1           | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                          |
| 6           | 102-2929           | 1           | Intermediate Nozzle, Beige (Used W/ #4 & #5 Mains)                                |             | YARDMARKLAV        | 1           | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲        |
| 6           | 102-6944           | 1           | Intermediate Nozzle Assy., Red W/ Stream Straightener (Used W/ #6 Main)           |             | FLX34-3134         | 1           | Conversion Assembly, W/ #31, 32, 33, 34 Nozzles ●▲                      |
| 6           | 102-6945           | 1           | Intermediate Nozzle Assy., Gray W/ Stream Straightener (Used W/ #7 Main)          |             | FLX34-3134E        | 1           | Conversion Assembly, W/ #31, 32, 33, 34 Nozzles, Effluent (Lavender) ●▲ |
| 6           | 102-6883           | 1           | Intermediate Nozzle, Brown (Used W/ #7 Main, Front Position On The Right Of Main) |             | FLX34-3537         | 1           | Conversion Assembly, W/ #35, 36, 37 Nozzles ●▲                          |
| 7           | 102-6937           | 1           | Nozzle Assy. Inner, Yellow Nozzle W/ Yellow Helical Restrictor                    |             | FLX34-3537E        | 1           | Conversion Assembly, W/ #35, 36, 37 Nozzles, Effluent (Lavender) ●▲     |
| 8           | 102-4335           | 2           | Plug, Nozzle                                                                      |             | 995-08             |             | Valve Removal Tool ■▲                                                   |
| 9           | 102-5978           | 1           | O-Ring, Nozzle Housing                                                            |             | 995-76             |             | Valve Insertion Tool ■▲                                                 |
| 10          | 102-5597           | 1           | Nozzle Housing Assy. (Includes Item 9)                                            |             | 995-15             |             | Selector Tool (Flag Key) ■▲                                             |
| 11          | 363-4978           | 1           | O-Ring, Main Nozzle                                                               |             | 995-99             |             | Nut Driver, 5/8" (For Main Nozzle) ■▲                                   |
| 12          | 102-0725           | 1           | Nozzle, Main, #31, Yellow                                                         |             | 995-105            |             | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲       |
| 12          | 102-7001           | 1           | Nozzle, Main, #32, Blue                                                           |             | 995-83             |             | Multi-Purpose Tool ■▲                                                   |
| 12          | 102-0727           | 1           | Nozzle, Main, #33, Brown                                                          |             | 995-85             |             | Riser Removal Tool ■▲                                                   |
| 12          | 102-7002           | 1           | Nozzle, Main, #34, Orange                                                         |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■▲                           |
| 12          | 102-6908           | 1           | Nozzle, Main, #35, Green                                                          |             | 995-102            | 1           | Riser Hold-Up Tool, Universal ■▲                                        |
| 12          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                                           |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■▲                                              |
| 12          | 102-4261           | 1           | Nozzle, Main, #37, Black                                                          |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                                 |
| 13          | 89-1385            | 1           | Snap Ring, Riser                                                                  |             |                    |             |                                                                         |
| 14          | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                                       |             |                    |             |                                                                         |
| 15          | 102-0134           | 1           | Retainer, Seal                                                                    |             |                    |             |                                                                         |
| 16          | 102-0151           | 1           | Spring, Return                                                                    |             |                    |             |                                                                         |
| 17          | 363-4167           | 1           | O-Ring, Nozzle Base                                                               |             |                    |             |                                                                         |
| 18          | 102-0202           | 1           | Riser                                                                             |             |                    |             |                                                                         |
| 19          | 102-4503           | 1           | Drive Assembly, 12-Pack                                                           |             |                    |             |                                                                         |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

# 835S Series Sprinklers



## 835S Series Sprinklers (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                          | 19          |                    | 1           | Body Assembly (See Golf Sprinkler Body Assembly Section) ○ ◆       |
| 2           | 118-6920           | 1           | Cap, Flx35-6                                               |             |                    |             |                                                                    |
| 2           | 102-2493           | 1           | Cap, Effluent, 835S                                        | 20          |                    | 1           | Pilot Valve Assembly (See Pilot Valve Assembly Section) □ ◆        |
| 3           | 89-1385            | 1           | Snap Ring, Riser                                           |             | 102-2041           |             | Restrictor, Yellow, Inner Nozzle ● ▲                               |
| 4           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                |             | 102-4337           |             | Stream Straightener, Intermediate Nozzle ● ▲                       |
| 5           | 102-0134           | 1           | Retainer, Seal                                             |             |                    |             |                                                                    |
| 6           | 102-0151           | 1           | Spring, Return                                             |             | 102-2494           |             | Cap, Blank, 835S ● ▲                                               |
| 7           | 102-2619           | 1           | Ratchet Ring, 1"                                           |             | FLX35-6-3134       | 1           | Conversion Assy., Flx35-6 W/ #31, 32, 33, 34 Nozzles ● ▲           |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                        |             |                    | 1           | Conversion Assy., Flx35-6 W/ #31, 32, 33, 34 Nozzles, Effluent ● ▲ |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Used W/ #1, #5 & #6 Mains)      |             | FLX35-6-3134E      |             |                                                                    |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Used W/ #3, #4 & #7 Mains)    |             | FLX35-6-3537       | 1           | Conversion Assy., Flx35-6 W/ #35, 36, 37 Nozzles ● ▲               |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Used W/ #2 Main)                 |             |                    | 1           | Conversion Assy., Flx35-6 W/ #35, 36, 37 Nozzles, Effluent ● ▲     |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                     |             | FLX35-6-3537E      |             |                                                                    |
| 11          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                   |             | 995-08             |             | Valve Removal Tool ■ ▲                                             |
| 11          | 102-4587           | 1           | Nozzle, Main, #31, Yellow                                  |             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                       |
| 11          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                    |             | 995-76             |             | Valve Insertion Tool ■ ▲                                           |
| 11          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                   |             | 995-83             |             | Multi-Purpose Tool ■ ▲                                             |
| 11          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                  |             | 995-85             |             | Riser Removal Tool ■ ▲                                             |
| 11          | 102-0729           | 1           | Nozzle, Main, #55, Green                                   |             | 995-99             |             | Nut Driver, 5/8" (For Main Nozzle) ■ ▲                             |
| 11          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                    |             | 995-105            |             | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■ ▲ |
| 11          | 102-4261           | 1           | Nozzle, Main, #37, Black                                   |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■ ▲                     |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                        |             | 995-102            |             | Riser Hold-Up Tool, Universal ■ ▲                                  |
| 13          | 102-4335           | 1           | Plug, Nozzle                                               |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■ ▲                                        |
| 14          | 102-2892           | 1           | Riser Assembly                                             |             | 118-1521           | 1           | Adapter, Main Nozzle ● ▲                                           |
| 15          | 363-4236           | 1           | Screw, Drive                                               |             |                    |             |                                                                    |
| 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                       |             |                    |             |                                                                    |
| 17          | 102-6929           |             | Stator, Low Flow, High Velocity (Used W/ #0 Main)          |             |                    |             |                                                                    |
| 17          | 102-1939           | 1           | Stator Assembly, Low Flow (Used With #1-4 Main Nozzles)    |             |                    |             |                                                                    |
| 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used With #5-7 Main Nozzles) |             |                    |             |                                                                    |
| 18          | 102-1715           | 1           | Screen, Riser                                              |             |                    |             |                                                                    |

● SERVICE ITEMS

▲ Not illustrated

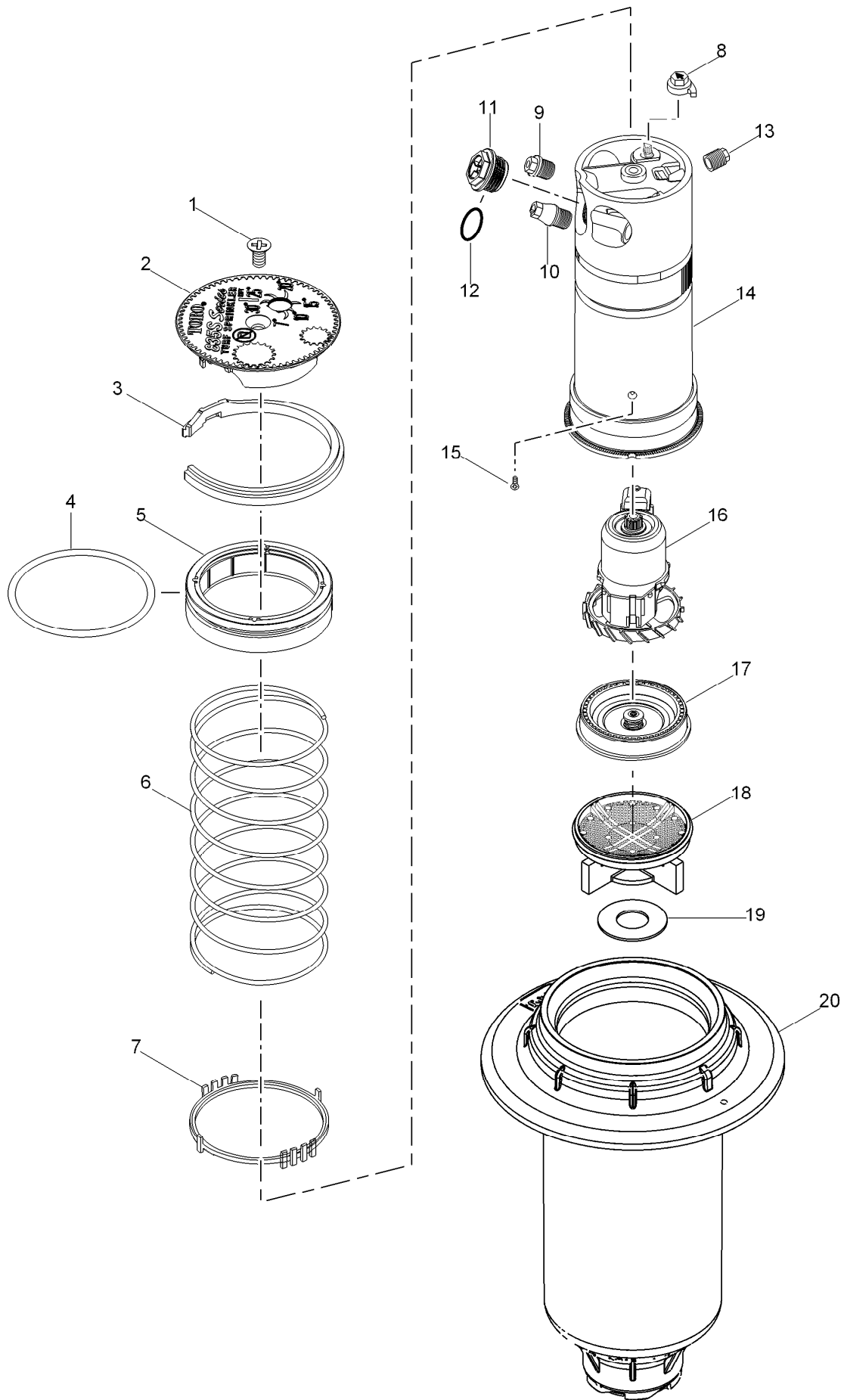
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 835B Series Sprinkler



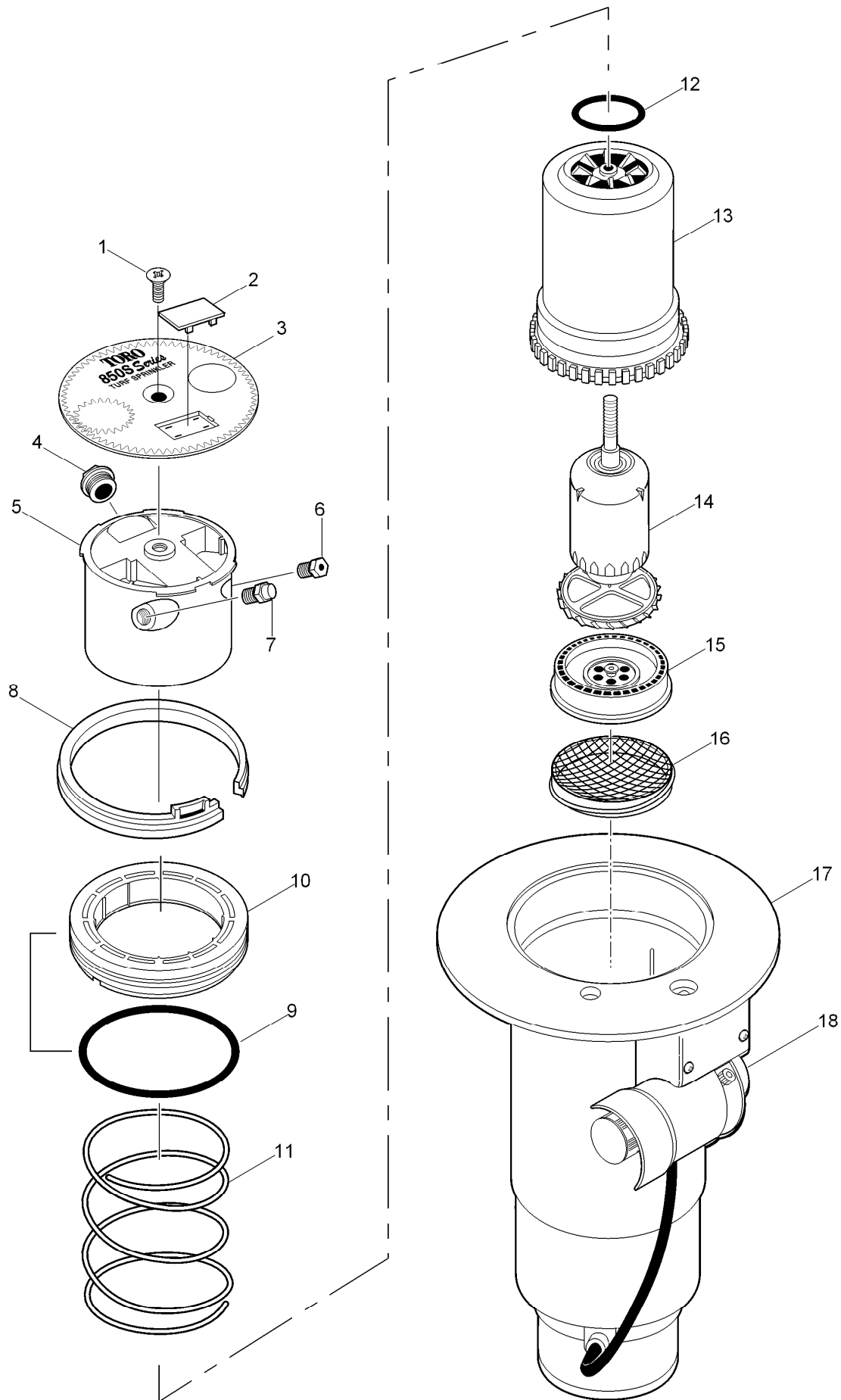
## 835B Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|----------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                        | 16          | 102-4504           | 1           | Drive Assy., 12-Pack                                              |
| 2           | 118-6920           | 1           | Cap, Flx35-6                                             | 17          | 102-6929           | 1           | Stator, Low Flow, High Velocity (Use W/ #0 Main)                  |
| 2           | 102-2493           | 1           | Cap, Effluent, 835S                                      | 17          | 102-1939           | 1           | Stator Assembly, Low Flow (Used With #1-4 Main Nozzles)           |
| 3           | 89-1385            | 1           | Snap Ring, Riser                                         | 17          | 118-7282           | 1           | Stator Assembly, Medium Flow (Used W/ #5-8 Main Nozzles)          |
| 4           | 363-4102           | 1           | O-Ring, Paraffin As-568 232                              | 18          | 102-5152           | 1           | Screen, Riser, W/ Check Seal Holder                               |
| 5           | 102-0134           | 1           | Retainer, Seal                                           | 19          | 102-7437           | 1           | Seal, Check                                                       |
| 6           | 102-0151           | 1           | Spring, Return                                           | 20          | 102-7419           | 1           | Body, Npt                                                         |
| 7           | 102-2619           | 1           | Ratchet Ring, 1"                                         | 20          | 102-7421           | 1           | Body, Acme                                                        |
| 8           | 102-5971           | 1           | Trajectory Adjuster                                      |             | 102-2041           |             | Restrictor, Yellow, Inner Nozzle ●▲                               |
| 9           | 102-2925           | 1           | Intermediate Nozzle, Blue (Use W/ #1, #5, #6 & #8 Mains) |             | 102-4337           | 1           | Stream Straightener, Intermediate Nozzle ●▲                       |
| 9           | 102-2926           | 1           | Intermediate Nozzle, Orange (Use W/ #3, #4 & #7 Mains)   |             | 102-2494           |             | Cap, Blank, 835S ●▲                                               |
| 9           | 102-2928           | 1           | Intermediate Nozzle, Red (Use W/ #2 Main)                |             | 995-83             |             | Multi-Purpose Tool ■▲                                             |
| 10          | 102-2910           | 1           | Nozzle Assembly, Inner                                   |             | 995-85             |             | Riser Removal Tool ■▲                                             |
| 11          | 102-2208           | 1           | Nozzle, Main, #30 (Plug)                                 |             | 995-99             |             | Nut Driver, 5/8" (For Main Nozzle) ■▲                             |
| 11          | 102-4587           | 1           | Nozzle, Main, #31, Yellow                                |             | 995-105            |             | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲ |
| 11          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                  |             | 995-102            |             | Riser Hold-Up Tool, Universal ■▲                                  |
| 11          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                 |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■▲                                        |
| 11          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                           |
| 11          | 102-0729           | 1           | Nozzle, Main, #55, Green                                 |             |                    |             |                                                                   |
| 11          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                  |             |                    |             |                                                                   |
| 11          | 102-4261           | 1           | Nozzle, Main, #37, Black                                 |             |                    |             |                                                                   |
| 11          | 102-4260           | 1           | Nozzle, Main, #58, Red                                   |             |                    |             |                                                                   |
| 12          | 363-4978           | 1           | O-Ring, Main Nozzle                                      |             |                    |             |                                                                   |
| 13          | 102-4335           | 1           | Plug, Nozzle                                             |             |                    |             |                                                                   |
| 14          | 102-2892           | 1           | Riser Assembly                                           |             |                    |             |                                                                   |
| 15          | 363-4236           | 1           | Screw, Drive                                             |             |                    |             |                                                                   |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# 854S Series Sprinkler - Pre-2007



## 854S Series Sprinkler - Pre-2007 (continued)

| Ref. | Part Number | Qty. | Description                                                                                |
|------|-------------|------|--------------------------------------------------------------------------------------------|
| 1    | 102-0362    | 1    | Screw, Cap                                                                                 |
| 2    | 89-1589     | 1    | Plug, Cap (Black)                                                                          |
| 3    | 102-0231    | 1    | Cap, 854S                                                                                  |
| 3    | 102-1704    | 1    | Cap, 854S, Effluent                                                                        |
| 4    | 102-0725    | 1    | Nozzle, Main, #31, Yellow                                                                  |
| 4    | 102-0726    | 1    | Nozzle, Main, #32, Blue                                                                    |
| 4    | 102-0727    | 1    | Nozzle, Main, #33, Brown                                                                   |
| 4    | 102-0728    | 1    | Nozzle, Main, #34, Orange                                                                  |
| 4    | 102-0729    | 1    | Nozzle, Main, #55, Green                                                                   |
| 4    | 102-0730    | 1    | Nozzle, Main, #36, Gray                                                                    |
| 4    | 102-4261    | 1    | Nozzle, Main, #37, Black                                                                   |
| 4    | 102-4260    | 1    | Nozzle, Main, #58, Red                                                                     |
| 4    | 102-4259    | 1    | Nozzle, Main, #59, Beige                                                                   |
| 5    | 102-7407    | 1    | Nozzle Base Kit, Dual Trajectory (Includes Items 1-5 And 7-10 Found On 854S Present Model) |
| 6    | 102-2105    |      | Nozzle Assy. Intermediate, Blue (Used W/ #1 Yellow And #2 Blue Mains)                      |
| 6    | 102-2106    |      | Nozzle Assy. Intermediate, Orange (Used W/ #3 Brown & #4 Orange Mains)                     |
| 6    | 102-2107    |      | Nozzle Assy. Intermediate, Gray (Used W/ #5 Green & #6 Gray Mains)                         |
| 6    | 102-2981    | 1    | Nozzle Assy. Intermediate, Red (Used W/ #7-#9 Mains)                                       |
| 7    | 102-2980    | 1    | Nozzle Assy. Inner, Red (W/ Restrictor)                                                    |
| 8    | 35-6119     | 1    | Snap Ring, Riser                                                                           |
| 9    | 363-4103    | 1    | O-Ring, Body                                                                               |
| 10   | 102-0136    | 1    | Retainer, Seal, 1.5"                                                                       |
| 11   | 102-0151    | 1    | Spring, Return                                                                             |
| 12   | 363-4167    | 1    | O-Ring, Nozzle Base                                                                        |
| 13   | 102-0203    | 1    | Riser Assembly                                                                             |
| 14   | 102-4503    | 1    | Drive Assembly, 12-Pack                                                                    |
| 15   | 102-6929    | 1    | Stator, Low Flow (Used With #1-4 Main Nozzles)                                             |
| 15   | 102-1940    | 1    | Stator Assembly, Medium Flow (Used With #5-8 Main Nozzles)                                 |
| 15   | 118-7282    | 1    | Stator Assembly, High Flow (Used With #9 Main Nozzle)                                      |
| 16   | 102-1715    | 1    | Screen, Riser                                                                              |
| 17   |             | 1    | Body Assembly (See Golf Sprinkler Body Assembly Section) ◊                                 |
| 18   |             | 1    | Pilot Valve Assembly (See Pilot Valve Assembly Section) ◻ ◊                                |

| Ref. | Part Number   | Qty. | Description                                                             |
|------|---------------|------|-------------------------------------------------------------------------|
|      | 102-0840      |      | Nozzle, Inner/Intermediate, Blank, Red ●▲                               |
|      | 102-4337      |      | Stream Straightener, Intermediate Nozzle ●▲                             |
|      | 102-2041      |      | Restrictor, Yellow, Inner Nozzle ●▲                                     |
|      | 102-2504      |      | Cap, 854S, W/O Graphics ●▲                                              |
|      | 102-0950      |      | Adapter, Conversion ●▲                                                  |
|      | YARDMARKYEL 1 |      | Yardage Marker, Yellow (10-Sheets Per Pack) ●▲                          |
|      | YARDMARKLAV 1 |      | Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲        |
|      | FLX54-5154    | 1    | Conversion, Full Circle, W/ #51, 52, 53, 54 Nozzles ●▲                  |
|      | FLX54-5154E   | 1    | Conversion, Full Circle, W/ #51, 52, 53, 54 Nozzles And Effluent Cap ●▲ |
|      | FLX-54-5558   | 1    | Conversion, Full Circle, W/ #55, 56, 57, 58 Nozzles ●▲                  |
|      | FLX54-5558E   | 1    | Conversion, Full Circle, W/ #55, 56, 57, 58 Nozzles And Effluent Cap ●▲ |
|      | FLX54-59      | 1    | Conversion, Full Circle, W/ #59 Nozzle ●▲                               |
|      | FLX54-59E     | 1    | Conversion, Full Circle, W/ #59 Nozzle And Effluent Cap ●▲              |
|      | 995-09        |      | Valve Removal Tool ■▲                                                   |
|      | 995-101       |      | Valve Insertion Tool ■▲                                                 |
|      | 995-15        |      | Selector Tool (Flag Key) ■▲                                             |
|      | 995-79        |      | Nut Driver, 7/16" (For Inner And Intermediate Nozzles) ■▲               |
|      | 995-99        |      | Nut Driver, 5/8" (For Main Nozzle) ■▲                                   |
|      | 995-83        |      | Multi-Purpose Tool ■▲                                                   |
|      | 995-85        |      | Riser Removal Tool ■▲                                                   |
|      | 995-100       |      | Valve Snap Ring Pliers With Screen Remover ■▲                           |
|      | 995-102       |      | Riser Hold-Up Tool, Universal ■▲                                        |
|      | 118-0954      | 1    | Riser Hold-Up Tool, Red ■▲                                              |
|      | 118-1521      | 1    | Adapter, Main Nozzle ●▲                                                 |

● SERVICE ITEMS

▲ Not illustrated

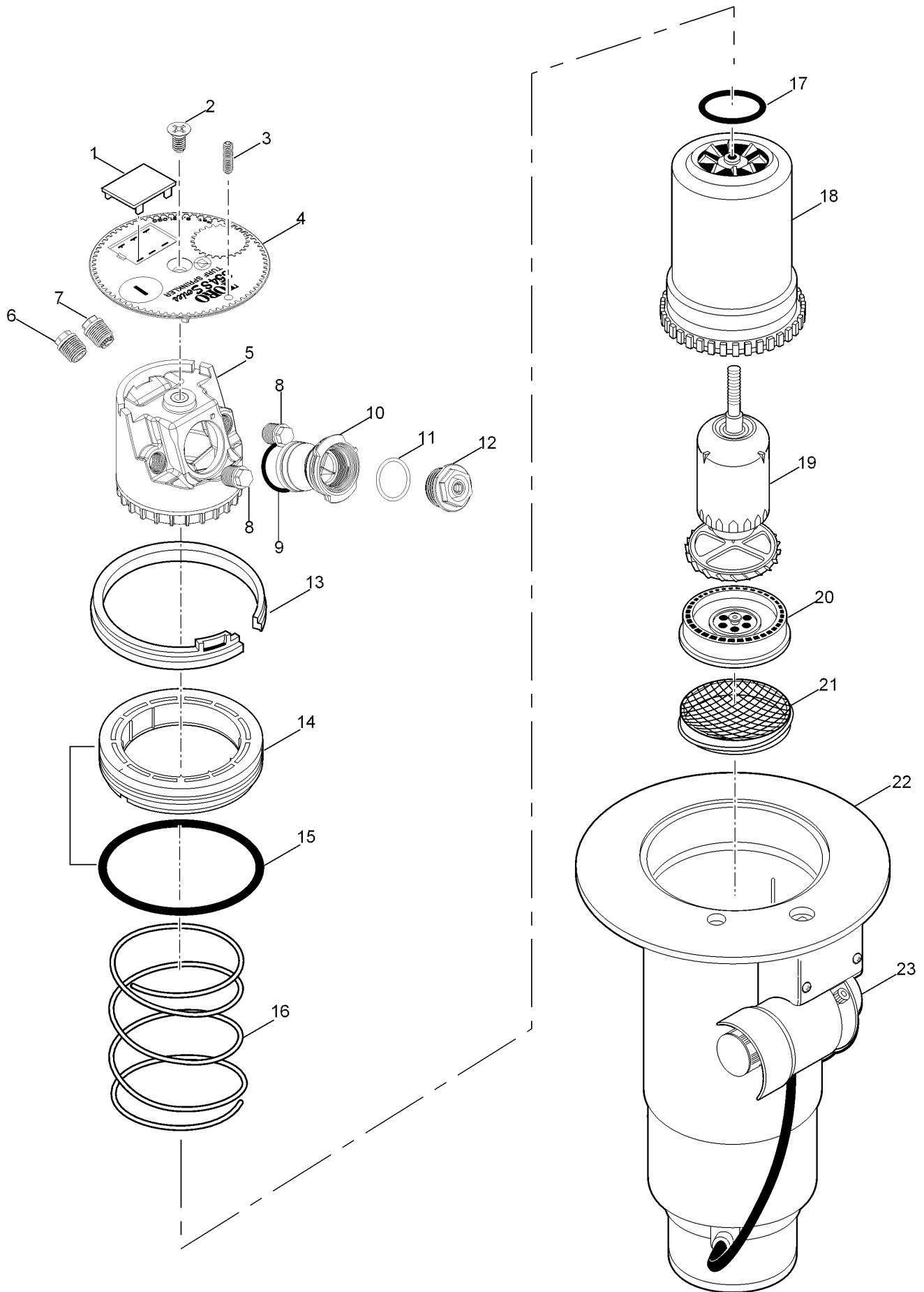
◻ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◊ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 854S Series Sprinkler - August 2007 - 2014





# 854S Series Sprinkler - August 2007 - 2014 (continued)

| Ref. | Part Number | Qty. | Description                                                                       | Ref. | Part Number | Qty. | Description                                                              |
|------|-------------|------|-----------------------------------------------------------------------------------|------|-------------|------|--------------------------------------------------------------------------|
| 1    | 89-1589     | 1    | Plug, Cap (Black)                                                                 | 20   | 102-1940    | 1    | Stator Assembly, Medium Flow (Used With #5-8 Main Nozzles)               |
| 2    | 102-0362    | 1    | Screw, Cap                                                                        | 20   | 118-7282    | 1    | Stator Assembly, High Flow (Used With #9 Main Nozzle)                    |
| 3    | 363-4839    | 1    | Radius Reduction Screw                                                            | 21   | 102-1715    | 1    | Screen, Riser                                                            |
| 4    | 118-6922    | 1    | Cap, Flx 54/55                                                                    | 22   |             | 1    | Body Assembly (See Golf Sprinkler Body Assembly Section) ◻ ♦             |
| 4    | 102-5591    | 1    | Cap, 854S, Effluent                                                               | 23   |             | 1    | Pilot Valve Assembly (See Pilot Valve Assembly Section) ◻ ♦              |
| 5    | 102-5837    | 1    | Nozzle Base Assembly                                                              |      | 102-5675    |      | Cap, Blank, Effluent ● ▲                                                 |
| 6    | 102-2925    | 1    | Intermediate Nozzle, Blue (Used W/ #1 Main)                                       |      | 102-0950    |      | Adapter, Conversion ● ▲                                                  |
| 6    | 102-2926    | 1    | Intermediate Nozzle, Orange (Used W/ #2 Main)                                     |      | 102-5011    |      | Adapter, Conversion, 690 ▶ ▲                                             |
| 6    | 102-2928    | 1    | Intermediate Nozzle, Red (Used W/ #3 Main)                                        |      | YARDMARKYEL | 1    | Yardage Marker, Yellow (10-Sheets Per Pack) ● ▲                          |
| 6    | 102-2929    | 1    | Intermediate Nozzle, Beige (Used W/ #4 & #5 Mains)                                |      | YARDMARKLAV | 1    | Yardage Marker, Lavender (For Non-Potable Water Applications) ● ▲        |
| 6    | 102-6944    | 1    | Intermediate Nozzle Assy., Red W/ Stream Straightener (Used W/ #6 Main)           |      | FLX54-5154  | 1    | Conversion, Full Circle, W/ #51, 52, 53, 54 Nozzles ● ▲                  |
| 6    | 102-6945    | 1    | Intermediate Nozzle Assy., Gray W/ Stream Straightener (Used W/ #7-#9 Mains)      |      | FLX54-5154E | 1    | Conversion, Full Circle, W/ #51, 52, 53, 54 Nozzles And Effluent Cap ● ▲ |
| 6    | 102-6883    | 1    | Intermediate Nozzle, Brown (Used W/ #7 & #8 Mains, Front Position, Right Of Main) |      | FLX54-5558  | 1    | Conversion Assembly, 854S W/ #55, 56, 57, 58 Nozzles ● ▲                 |
| 7    | 102-6937    | 1    | Nozzle Assy. Inner, Yellow Nozzle W/ Yellow Helical Restrictor                    |      | FLX54-5558E | 1    | Conversion, Full Circle, W/ #55, 56, 57, 58 Nozzles And Effluent Cap ● ▲ |
| 8    | 102-4335    | 2    | Plug, Nozzle                                                                      |      | FLX54-59    | 1    | Conversion, Full Circle, W/ #59 Nozzle ● ▲                               |
| 9    | 102-5978    | 1    | O-Ring, Nozzle Housing                                                            |      | FLX54-59E   | 1    | Conversion, Full Circle, W/ #59 Nozzle And Effluent Cap ● ▲              |
| 10   | 102-5597    | 1    | Nozzle Housing Assy. (Includes Item 9)                                            |      | 995-09      |      | Valve Removal Tool ■ ▲                                                   |
| 11   | 363-4978    | 1    | O-Ring, Main Nozzle                                                               |      | 995-101     |      | Valve Insertion Tool ■ ▲                                                 |
| 12   | 102-0725    | 1    | Nozzle, Main, #31, Yellow                                                         |      | 995-15      |      | Selector Tool (Flag Key) ■ ▲                                             |
| 12   | 102-7001    | 1    | Nozzle, Main, #32, Blue                                                           |      | 995-99      |      | Nut Driver, 5/8" (For Main Nozzle) ■ ▲                                   |
| 12   | 102-0727    | 1    | Nozzle, Main, #33, Brown                                                          |      | 995-105     |      | Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■ ▲       |
| 12   | 102-7002    | 1    | Nozzle, Main, #34, Orange                                                         |      | 995-83      |      | Multi-Purpose Tool ■ ▲                                                   |
| 12   | 102-6908    | 1    | Nozzle, Main, #35, Green                                                          |      | 995-85      |      | Riser Removal Tool ■ ▲                                                   |
| 12   | 102-0730    | 1    | Nozzle, Main, #36, Gray                                                           |      | 995-100     |      | Valve Snap Ring Pliers With Screen Remover ■ ▲                           |
| 12   | 102-4261    | 1    | Nozzle, Main, #37, Black                                                          |      | 995-102     |      | Riser Hold-Up Tool, Universal ■ ▲                                        |
| 12   | 102-4260    | 1    | Nozzle, Main, #58, Red                                                            |      | 118-0954    | 1    | Riser Hold-Up Tool, Red ■ ▲                                              |
| 12   | 102-4259    | 1    | Nozzle, Main, #59, Beige                                                          |      |             |      |                                                                          |
| 13   | 35-6119     | 1    | Snap Ring, Riser                                                                  |      |             |      |                                                                          |
| 14   | 102-0136    | 1    | Retainer, Seal, 1.5"                                                              |      |             |      |                                                                          |
| 15   | 363-4103    | 1    | O-Ring, Body                                                                      |      |             |      |                                                                          |
| 16   | 102-0151    | 1    | Spring, Return                                                                    |      |             |      |                                                                          |
| 17   | 363-4167    | 1    | O-Ring, Nozzle Base                                                               |      |             |      |                                                                          |
| 18   | 102-0203    | 1    | Riser Assembly                                                                    |      |             |      |                                                                          |
| 19   | 102-4503    | 1    | Drive Assembly, 12-Pack                                                           |      |             |      |                                                                          |
| 20   | 102-6929    | 1    | Stator, Low Flow, High Velocity (Used With #1-4 Main Nozzles)                     |      |             |      |                                                                          |

● SERVICE ITEMS

▲ Not illustrated

◻ See Pilot Valve Assembly Section.

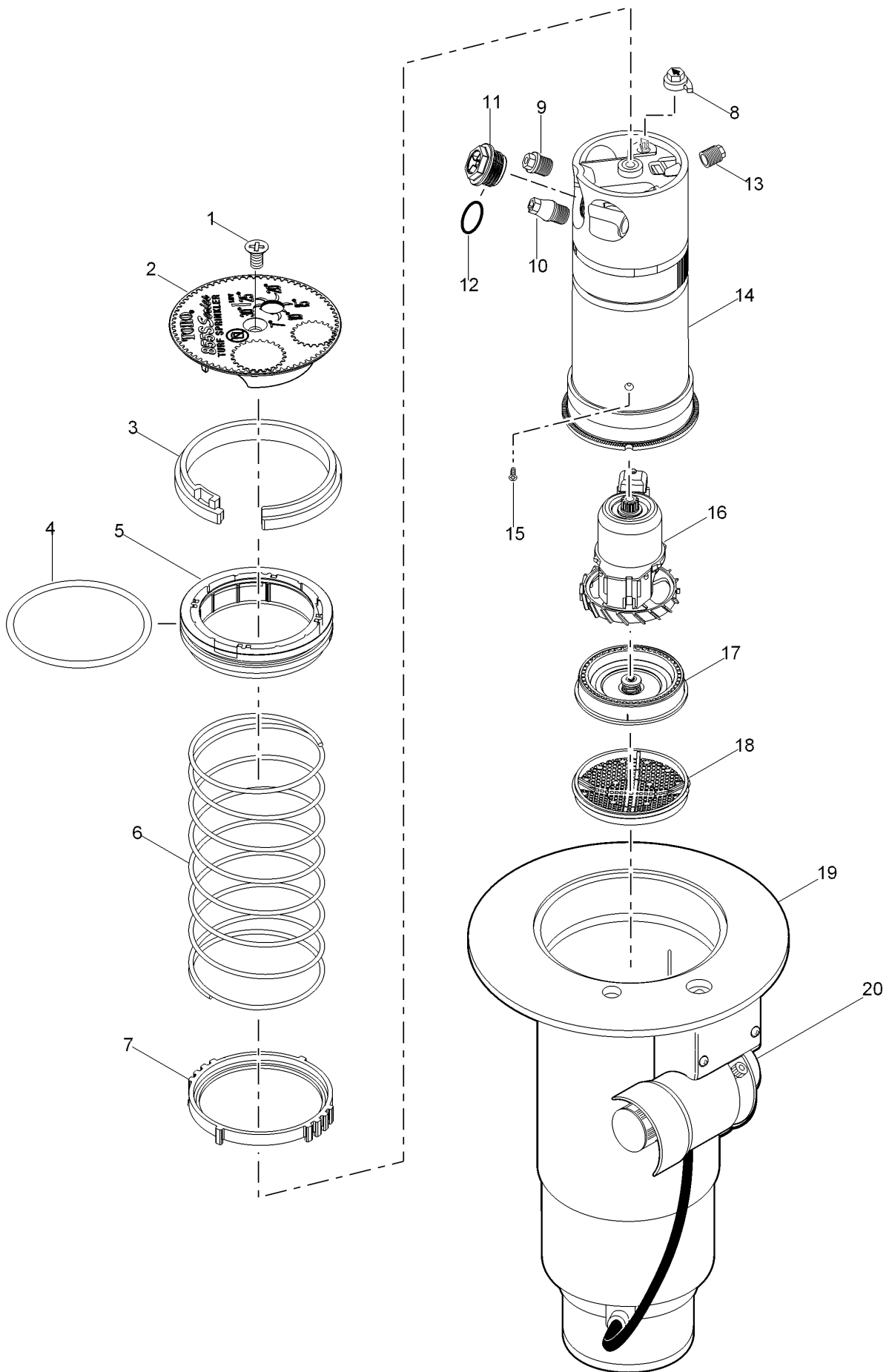
▶ Order Through Finished Goods Distribution System - Minneapolis

■ SERVICE TOOLS

♦ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 855S Series Sprinkler



## 855S Series Sprinkler (continued)

| Ref. | Part Number | Qty. | Description                                                        | Ref. | Part Number   | Qty. | Description                                                              |
|------|-------------|------|--------------------------------------------------------------------|------|---------------|------|--------------------------------------------------------------------------|
| 1    | 102-6138    | 1    | Screw, Cap, Black                                                  | 20   |               | 1    | Pilot Valve Assembly<br>(See Pilot Valve Assembly<br>Section) ◻ ♦        |
| 2    | 118-6924    | 1    | Cap, Flx55-6                                                       |      | 102-4337      |      | Stream Straightener,<br>Intermediate Nozzle ●                            |
| 2    | 118-6925    | 1    | Cap, Flx55-6, Effluent                                             |      |               |      | ▲                                                                        |
| 3    | 35-6119     | 1    | Snap Ring, Riser                                                   |      | 102-2041      |      | Restrictor, Yellow, Inner<br>Nozzle ● ▲                                  |
| 4    | 363-4103    | 1    | O-Ring, Body                                                       |      | 102-2497      |      | Cap, Blank ● ▲                                                           |
| 5    | 102-0136    | 1    | Retainer, Seal, 1.5"                                               |      | 102-2498      |      | Cap, Blank, Effluent ● ▲                                                 |
| 6    | 102-0151    | 1    | Spring, Return                                                     |      | 102-0950      |      | Adapter, Conversion ● ▲                                                  |
| 7    | 102-4967    | 1    | Ratchet Ring, 1.5"                                                 |      | 102-5011      | 1    | Adapter, Conversion, 690 ▶ ▲                                             |
| 8    | 102-5971    | 1    | Trajectory Adjuster                                                |      | FLX55-6-5154  | 1    | Conversion Assy., Flx55-6<br>W/ #51, 52, 53, 54 Nozzles<br>● ▲           |
| 9    | 102-2925    | 1    | Intermediate Nozzle, Blue<br>(Use W/ #1, #5, #6 #8 & #9<br>Mains)  |      |               | 1    | Conversion Assy., Flx55-6<br>W/ #51, 52, 53, 54 Nozzles,<br>Effluent ● ▲ |
| 9    | 102-2926    | 1    | Intermediate Nozzle,<br>Orange (Use W/ #3, #4<br>& #7 Mains)       |      | FLX55-6-5154E |      |                                                                          |
| 9    | 102-2928    | 1    | Intermediate Nozzle, Red<br>(Use W/ #2 Main)                       |      | FLX55-6-5558  | 1    | Conversion Assy., Flx55-6<br>W/ #55, 56, 57, 58 Nozzles<br>● ▲           |
| 10   | 102-2910    | 1    | Nozzle Assembly, Inner                                             |      |               | 1    | Conversion Assy., Flx55-6<br>W/ #55, 56, 57, 58 Nozzles,<br>Effluent ● ▲ |
| 11   | 102-4587    | 1    | Nozzle, Main, #31, Yellow                                          |      | FLX55-6-5558E |      |                                                                          |
| 11   | 102-4588    | 1    | Nozzle, Main, #52, Blue                                            |      | FLX55-6-59    | 1    | Conversion Assy., Flx55-6<br>W/ #59 Nozzle ● ▲                           |
| 11   | 102-4589    | 1    | Nozzle, Main, #53, Brown                                           |      | FLX55-6-59E   | 1    | Conversion Assy., Flx55-6<br>W/ #59 Nozzle, Effluent ● ▲                 |
| 11   | 102-0728    | 1    | Nozzle, Main, #34, Orange                                          |      | 995-09        |      | Valve Removal Tool ■ ▲                                                   |
| 11   | 102-0729    | 1    | Nozzle, Main, #55, Green                                           |      | 995-101       |      | Valve Insertion Tool ■ ▲                                                 |
| 11   | 102-0730    | 1    | Nozzle, Main, #36, Gray                                            |      | 995-15        |      | Selector Tool (Flag Key) ■ ▲                                             |
| 11   | 102-4261    | 1    | Nozzle, Main, #37, Black                                           |      | 995-99        |      | Nut Driver, 5/8" (For Main<br>Nozzle) ■ ▲                                |
| 11   | 102-4260    | 1    | Nozzle, Main, #58, Red                                             |      | 995-105       |      | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■ ▲ |
| 11   | 102-4259    | 1    | Nozzle, Main, #59, Beige                                           |      | 995-83        |      | Multi-Purpose Tool ■ ▲                                                   |
| 12   | 363-4978    | 1    | O-Ring, Main Nozzle                                                |      | 995-85        |      | Riser Removal Tool ■ ▲                                                   |
| 13   | 102-4335    | 1    | Plug, Nozzle                                                       |      | 995-100       |      | Valve Snap Ring Pliers With<br>Screen Remover ■ ▲                        |
| 14   | 102-2892    | 1    | Riser Assembly                                                     |      | 995-102       |      | Riser Hold-Up Tool,<br>Universal ■ ▲                                     |
| 15   | 363-4236    | 1    | Screw, Drive                                                       |      | 118-0954      | 1    | Riser Hold-Up Tool, Red ■ ▲                                              |
| 16   | 102-4504    | 1    | Drive Assy., 12-Pack                                               |      | 118-1521      | 1    | Adapter, Main Nozzle ● ▲                                                 |
| 17   | 102-1939    | 1    | Stator Assembly, Low Flow<br>(Used With #1-4 Main<br>Nozzles)      |      |               |      |                                                                          |
| 17   | 118-7282    | 1    | Stator Assembly, Medium<br>Flow (Used With #5-7 Main<br>Nozzles)   |      |               |      |                                                                          |
| 17   | 102-1941    | 1    | Stator Assembly, High-Flow<br>(Use With #9 Main Nozzle)            |      |               |      |                                                                          |
| 18   | 102-1715    | 1    | Screen, Riser                                                      |      |               |      |                                                                          |
| 19   |             | 1    | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ◻ ♦ |      |               |      |                                                                          |

● SERVICE ITEMS

▲ Not illustrated

◻ See Pilot Valve Assembly Section.

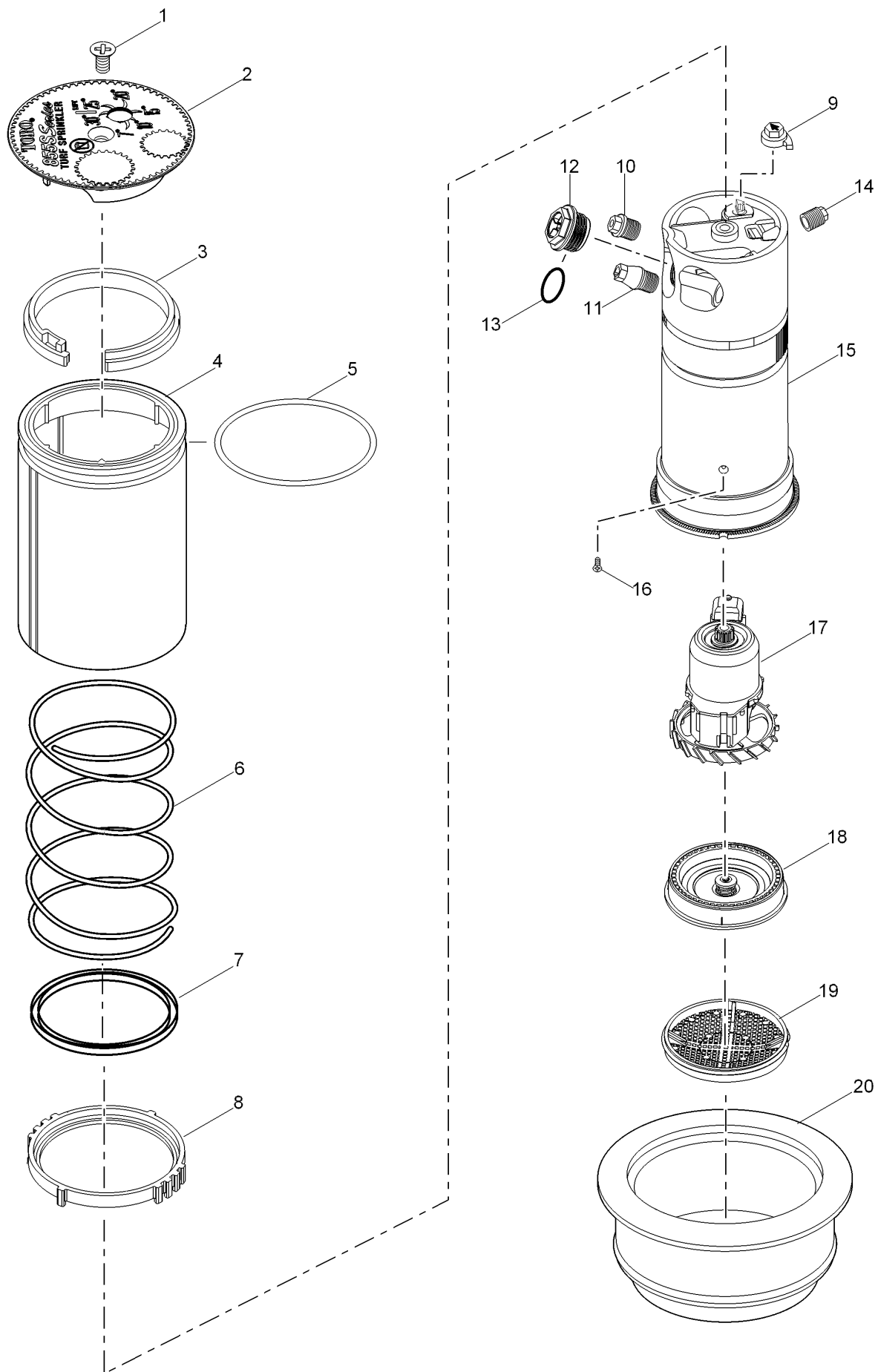
▶ Order Through Finished Goods Distribution System - Minneapolis

■ SERVICE TOOLS

♦ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 855S Series Ribless Body, Conversion Assembly



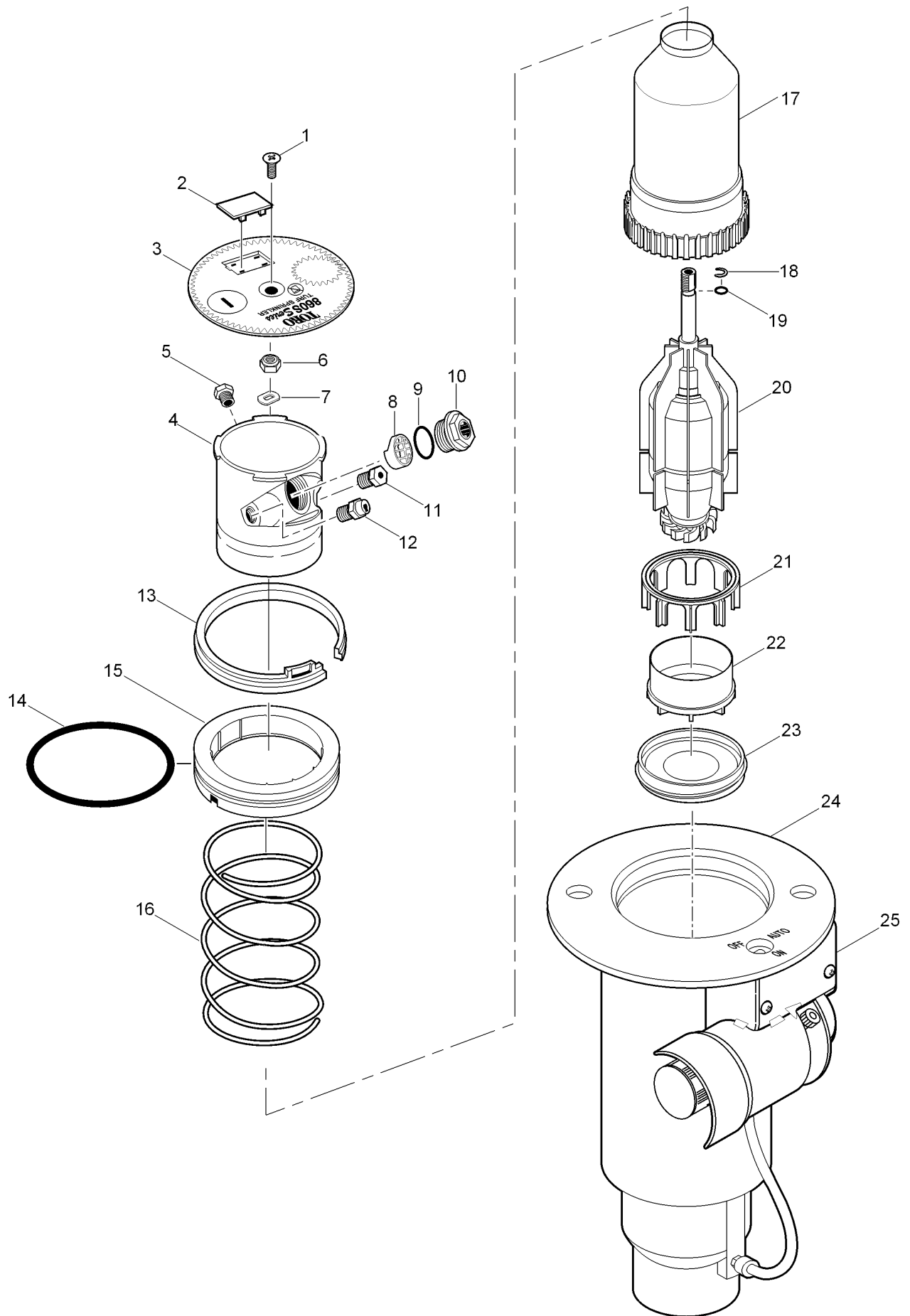
# 855S Series Ribless Body, Conversion Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|--------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-6138           | 1           | Screw, Cap, Black                                                  | 18          | 102-1939           | 1           | Stator Assembly, Low Flow<br>(Used With #1-4 Main<br>Nozzles)           |
| 2           | 118-6924           | 1           | Cap, Flx55-6                                                       | 18          | 118-7282           | 1           | Stator Assembly, Medium<br>Flow (Used With #5-7 Main<br>Nozzles)        |
| 2           | 118-6925           | 1           | Cap, Flx55-6, Effluent                                             | 18          | 102-1941           | 1           | Stator Assembly, High Flow<br>(Use With #9 Main Nozzle)                 |
| 3           | 35-6119            | 1           | Snap Ring, Riser                                                   | 19          | 102-1715           | 1           | Screen, Riser                                                           |
| 4           | 89-7568            | 1           | Sleeve, Retainer, O-Ring,<br>Conversion                            | 20          | 102-0950           | 1           | Adapter, Conversion                                                     |
| 5           | 363-4103           | 1           | O-Ring, Body                                                       |             | 102-4337           |             | Stream Straightener,<br>Intermediate Nozzle ●                           |
| 6           | 102-0151           | 1           | Spring, Return                                                     |             |                    |             | ▲                                                                       |
| 7           | 89-7569            | 1           | Seal, Riser                                                        |             | 102-2041           |             | Restrictor, Yellow, Inner<br>Nozzle ●▲                                  |
| 8           | 102-2619           | 1           | Ratchet Ring, 1"                                                   |             | 102-2497           |             | Cap, Blank ●▲                                                           |
| 9           | 102-5971           | 1           | Trajectory Adjuster                                                |             | 102-2498           |             | Cap, Blank, Effluent ●▲                                                 |
| 10          | 102-2925           | 1           | Intermediate Nozzle, Blue<br>(Use W/ #1, #5, #6, #8 & #9<br>Mains) |             | 995-09             |             | Valve Removal Tool ■▲                                                   |
| 10          | 102-2926           | 1           | Intermediate Nozzle,<br>Orange (Use W/ #3, #4<br>& #7 Mains)       |             | 995-101            |             | Valve Insertion Tool ■▲                                                 |
| 10          | 102-2928           | 1           | Intermediate Nozzle, Red<br>(Use W/ #2 Main)                       |             | 995-15             |             | Selector Tool (Flag Key) ■▲                                             |
| 11          | 102-2910           | 1           | Nozzle Assembly, Inner                                             |             | 995-99             |             | Nut Driver, 5/8" (For Main<br>Nozzle) ■▲                                |
| 12          | 102-4587           | 1           | Nozzle, Main, #31, Yellow                                          |             | 995-105            |             | Nut Driver, 5/16" (For Inner<br>& Intermediate Nozzles And<br>Plugs) ■▲ |
| 12          | 102-4588           | 1           | Nozzle, Main, #52, Blue                                            |             | 995-83             |             | Multi-Purpose Tool ■▲                                                   |
| 12          | 102-4589           | 1           | Nozzle, Main, #53, Brown                                           |             | 995-85             |             | Riser Removal Tool ■▲                                                   |
| 12          | 102-0728           | 1           | Nozzle, Main, #34, Orange                                          |             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■▲                        |
| 12          | 102-0729           | 1           | Nozzle, Main, #55, Green                                           |             | 995-102            |             | Riser Hold-Up Tool,<br>Universal ■▲                                     |
| 12          | 102-0730           | 1           | Nozzle, Main, #36, Gray                                            |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■▲                                              |
| 12          | 102-4261           | 1           | Nozzle, Main, #37, Black                                           |             | 118-1521           | 1           | Adapter, Main Nozzle ●▲                                                 |
| 12          | 102-4260           | 1           | Nozzle, Main, #58, Red                                             |             |                    |             |                                                                         |
| 12          | 102-4259           | 1           | Nozzle, Main, #59, Beige                                           |             |                    |             |                                                                         |
| 13          | 363-4978           | 1           | O-Ring, Main Nozzle                                                |             |                    |             |                                                                         |
| 14          | 102-4335           | 1           | Plug, Nozzle                                                       |             |                    |             |                                                                         |
| 15          | 102-2892           | 1           | Riser Assembly                                                     |             |                    |             |                                                                         |
| 16          | 363-4236           | 1           | Screw, Drive                                                       |             |                    |             |                                                                         |
| 17          | 102-4504           | 1           | Drive Assy., 12-Pack                                               |             |                    |             |                                                                         |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS

# 860S Series Sprinkler



## 860S Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|----------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-1950           | 1           | Screw, Cap, Stainless Steel, Full-Circle Models    | 21          | 89-1958            | 1           | Stator Support                                                    |
| 1           | 363-4125           | 1           | Screw, Cap, Black, Part-Circle Models              | 22          | 89-1957            | 1           | Stator, Variable                                                  |
| 2           | 89-1589            | 1           | Plug, Cap (Black)                                  | 23          | 89-1588            | 1           | Screen                                                            |
| 3           | 102-1947           | 1           | Cap, 860S                                          | 24          |                    | 1           | Body Assembly (See Golf Sprinkler Body Assembly Section) ○ ◆      |
| 3           | 102-2082           | 1           | Cap, 860S, Effluent                                | 25          |                    | 1           | Pilot Valve Assembly (See Pilot Valve Assembly Section) □ ◆       |
| 4           | 102-2153           | 1           | Nozzle Base Assembly                               |             | 102-2208           |             | Nozzle, Main, #30 (Plug) ● ▲                                      |
| 5           | 102-0840           | 1           | Nozzle, Inner/Intermediate, Blank, Red             |             | 102-0840           |             | Nozzle, Inner/Intermediate, Blank, Red ● ▲                        |
| 6           | 363-4039           | 1           | Nut, 5/16-24, W/ Nylon Lock                        |             | 102-2135           |             | Nozzle, Inner, Back, High Flow, White ● ▲                         |
| 7           | 102-1951           | 1           | Alignment Washer                                   |             | 102-2136           |             | Nozzle, Inner, Back, Low Flow, Yellow ● ▲                         |
| 8           | 102-1949           | 1           | Stream Straightener                                |             | 363-4220           |             | Screw, Radius Adjust ● ▲                                          |
| 9           | 363-4978           | 1           | O-Ring, Main Nozzle                                |             | YARDMARKYEL 1      |             | Yardage Marker, Yellow (10-Sheets Per Pack) ● ▲                   |
| 10          | 102-0725           | 1           | Nozzle, Main, #31, Yellow                          |             | YARDMARKLAV 1      |             | Yardage Marker, Lavender (For Non-Potable Water Applications) ● ▲ |
| 10          | 102-0726           | 1           | Nozzle, Main, #32, Blue                            |             | 995-08             |             | Valve Removal Tool ■ ▲                                            |
| 10          | 102-0727           | 1           | Nozzle, Main, #33, Brown                           |             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                      |
| 10          | 102-0728           | 1           | Nozzle, Main, #34, Orange                          |             | 995-76             |             | Valve Insertion Tool ■ ▲                                          |
| 10          | 102-0729           | 1           | Nozzle, Main, #55, Green                           |             | 995-79             |             | Nut Driver, 7/16" (For Inner And Intermediate Nozzles) ■ ▲        |
| 10          | 102-0730           | 1           | Nozzle, Main, #36, Gray                            |             | 995-80             |             | Nut Driver, 1/2" ■ ▲                                              |
| 10          | 102-4261           | 1           | Nozzle, Main, #37, Black                           |             | 995-82             |             | Adjustment Tool, 3/32" (T-Handle Hex Wrench) ■ ▲                  |
| 11          | 102-0608           | 1           | Nozzle, Intermediate, Orange (Use W/ #1 Main)      |             | 995-83             |             | Multi-Purpose Tool ■ ▲                                            |
| 11          | 102-0609           | 1           | Nozzle, Intermediate, Gray (Use W/ #2 Main)        |             | 995-85             |             | Riser Removal Tool ■ ▲                                            |
| 11          | 102-0610           | 1           | Nozzle, Intermediate, Red (Use W/ #3 & #4 Mains)   |             | 995-99             |             | Nut Driver, 5/8" (For Main Nozzle) ■ ▲                            |
| 11          | 102-0823           | 1           | Nozzle, Intermediate, Beige (Use W/ #5 & #6 Mains) |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■ ▲                    |
| 11          | 102-2005           | 1           | Nozzle, Intermediate, Red (Use W/ #7 Main)         |             | 995-102            |             | Riser Hold-Up Tool, Universal ■ ▲                                 |
| 12          | 102-2980           | 1           | Nozzle Assy. Inner, Red (W/ Restrictor)            |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■ ▲                                       |
| 13          | 89-1385            | 1           | Snap Ring, Riser                                   |             |                    |             |                                                                   |
| 14          | 363-4102           | 1           | O-Ring, Paraffin As-568 232                        |             |                    |             |                                                                   |
| 15          | 102-0134           | 1           | Retainer, Seal                                     |             |                    |             |                                                                   |
| 16          | 102-0151           | 1           | Spring, Return                                     |             |                    |             |                                                                   |
| 17          | 89-6360            | 1           | Riser Assembly                                     |             |                    |             |                                                                   |
| 18          |                    | 1           | Support Washer ◆                                   |             |                    |             |                                                                   |
| 19          | 360-0497           | 1           | O-Ring                                             |             |                    |             |                                                                   |
| 20          |                    | 1           | Drive Assembly ◆                                   |             |                    |             |                                                                   |

● SERVICE ITEMS

▲ Not illustrated

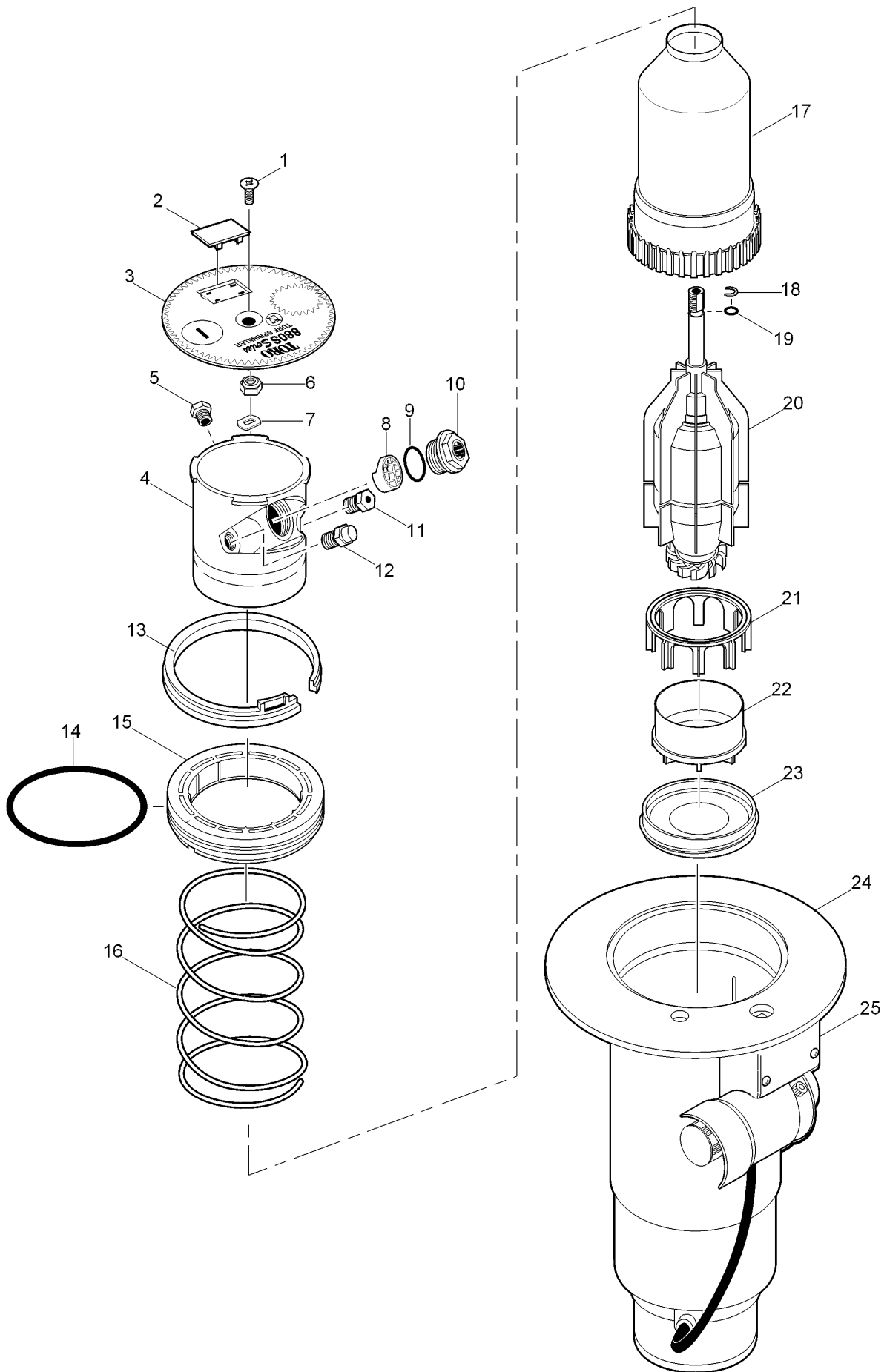
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 880S Series Sprinkler





## 880S Series Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|-------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-1950           | 1           | Screw, Cap, Stainless Steel,<br>Full-Circle Models    | 19          | 360-0497           | 1           | O-Ring                                                                  |
| 1           | 363-4125           | 1           | Screw, Cap, Black,<br>Part-Circle Models              | 20          |                    | 1           | Drive Assembly ♦                                                        |
| 2           | 89-1589            | 1           | Plug, Cap (Black)                                     | 21          | 89-1958            | 1           | Stator Support                                                          |
| 3           | 102-1948           | 1           | Cap, 880S                                             | 22          | 89-1957            | 1           | Stator, Variable                                                        |
| 3           | 102-2083           | 1           | Cap, 880S, Effluent                                   | 23          | 89-1588            | 1           | Screen                                                                  |
| 4           | 102-2153           | 1           | Nozzle Base Assembly                                  | 24          |                    | 1           | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ○ ♦      |
| 5           | 102-0840           | 1           | Nozzle, Inner/Intermediate,<br>Blank, Red             | 25          |                    | 1           | Pilot Valve Assembly<br>(See Pilot Valve Assembly<br>Section) □ ♦       |
| 6           | 363-4039           | 1           | Nut, 5/16-24, W/ Nylon Lock                           |             | 102-2208           |             | Nozzle, Main, #30 (Plug) ● ▲                                            |
| 7           | 102-1951           | 1           | Alignment Washer                                      |             | 102-0840           |             | Nozzle, Inner/Intermediate,<br>Blank, Red ● ▲                           |
| 8           | 102-1949           | 1           | Stream Straightener                                   |             | 102-2135           |             | Nozzle, Inner, Back, High<br>Flow, White ● ▲                            |
| 9           | 363-4978           | 1           | O-Ring, Main Nozzle                                   |             | 102-2136           |             | Nozzle, Inner, Back, Low<br>Flow, Yellow ● ▲                            |
| 10          | 102-0725           | 1           | Nozzle, Main, #31, Yellow                             |             | 363-4220           |             | Screw, Radius Adjust ● ▲                                                |
| 10          | 102-0726           | 1           | Nozzle, Main, #32, Blue                               |             | 102-0950           |             | Adapter, Conversion ● ▲                                                 |
| 10          | 102-0727           | 1           | Nozzle, Main, #33, Brown                              |             | YARDMARKYEL 1      |             | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ● ▲                      |
| 10          | 102-0728           | 1           | Nozzle, Main, #34, Orange                             |             | YARDMARKLAV 1      |             | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ● ▲ |
| 10          | 102-0729           | 1           | Nozzle, Main, #55, Green                              |             | 995-09             |             | Valve Removal Tool ■ ▲                                                  |
| 10          | 102-0730           | 1           | Nozzle, Main, #36, Gray                               |             | 995-101            |             | Valve Insertion Tool ■ ▲                                                |
| 10          | 102-4261           | 1           | Nozzle, Main, #37, Black                              |             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                            |
| 10          | 102-4260           | 1           | Nozzle, Main, #58, Red                                |             | 995-79             |             | Nut Driver, 7/16" (For Inner<br>And Intermediate Nozzles)<br>■ ▲        |
| 11          | 102-0608           | 1           | Nozzle, Intermediate,<br>Orange (Use W/ #1 Main)      |             | 995-99             |             | Nut Driver, 5/8" (For Main<br>Nozzle) ■ ▲                               |
| 11          | 102-0609           | 1           | Nozzle, Intermediate, Gray<br>(Use W/ #2 Main)        |             | 995-83             |             | Multi-Purpose Tool ■ ▲                                                  |
| 11          | 102-0610           | 1           | Nozzle, Intermediate, Red<br>(Use W/ #3 & #4 Mains)   |             | 995-85             |             | Riser Removal Tool ■ ▲                                                  |
| 11          | 102-0823           | 1           | Nozzle, Intermediate, Beige<br>(Use W/ #5 & #6 Mains) |             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■ ▲                       |
| 11          | 102-2005           | 1           | Nozzle, Intermediate, Red<br>(Use W/ #7 & #8 Mains)   |             | 995-102            |             | Riser Hold-Up Tool,<br>Universal ■ ▲                                    |
| 12          | 102-2980           | 1           | Nozzle Assy. Inner, Red (W/<br>Restrictor)            |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■ ▲                                             |
| 13          | 35-6119            | 1           | Snap Ring, Riser                                      |             |                    |             |                                                                         |
| 14          | 363-4103           | 1           | O-Ring, Body                                          |             |                    |             |                                                                         |
| 15          | 102-0136           | 1           | Retainer, Seal, 1.5"                                  |             |                    |             |                                                                         |
| 16          | 102-0151           | 1           | Spring, Return                                        |             |                    |             |                                                                         |
| 17          | 89-6361            | 1           | Riser Assembly, 880S                                  |             |                    |             |                                                                         |
| 18          |                    | 1           | Support Washer ♦                                      |             |                    |             |                                                                         |

● SERVICE ITEMS

▲ Not illustrated

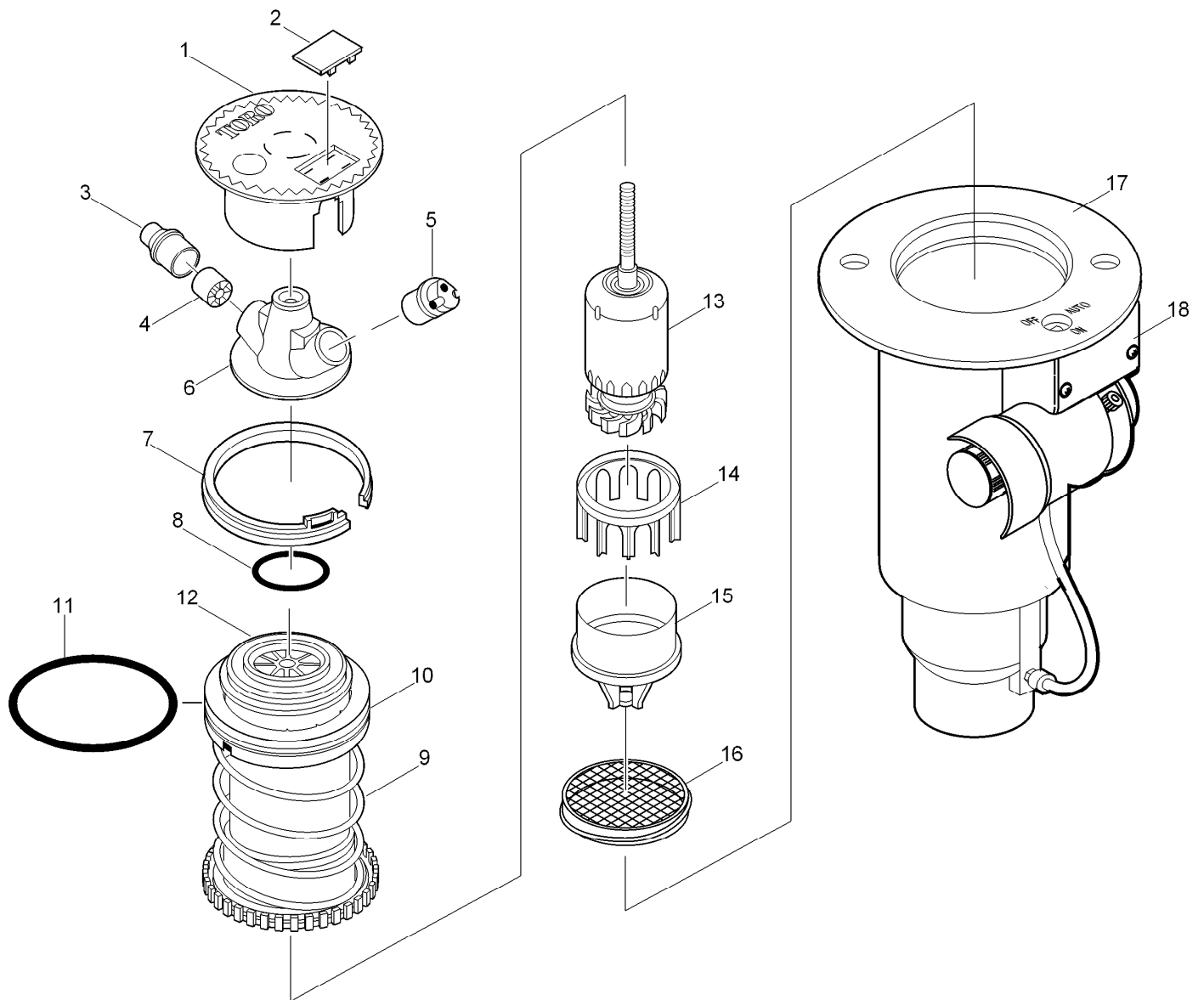
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

♦ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

## 730 Series



## 730 Series (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 89-1293            | 1           | Cap                                                                |
| 2           | 89-1589            | 1           | Plug, Cap (Black)                                                  |
| 3           | 89-8780            | 1           | Nozzle, Main, 31, Yellow<br>(Includes Item 4)                      |
| 3           | 89-8781            | 1           | Nozzle, Main, 32, Orange<br>(Includes Item 4)                      |
| 3           | 89-8782            | 1           | Nozzle, Main, 33, Brown<br>(Includes Item 4)                       |
| 3           | 89-8783            | 1           | Nozzle, Main, 34, Blue<br>(Includes Item 4)                        |
| 3           | 89-8784            | 1           | Nozzle, Main, 35, Green<br>(Includes Item 4)                       |
| 3           | 89-8785            | 1           | Nozzle, Main, 36, Red<br>(Includes Item 4)                         |
| 3           | 89-8786            | 1           | Nozzle, Main, 37, Gray<br>(Includes Item 4)                        |
| 4           | 9-4098             | 1           | Insert, Nozzle                                                     |
| 5           | 102-5003           | 1           | Nozzle Assembly., Inner,<br>31-37, Quad, Red                       |
| 6           | 89-8907            | 1           | Base Assy., Nozzle<br>(Includes Nozzle Base<br>And Insert Bearing) |
| 7           | 89-1385            | 1           | Snap Ring, Riser                                                   |
| 8           | 363-4167           | 1           | O-Ring, Nozzle Base                                                |
| 9           |                    | 1           | Riser Assy. (See Service<br>Item 89-7562) ◆                        |
| 10          |                    | 1           | Retainer, Spring (See<br>Service Item 89-5979) ◆                   |
| 11          | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                        |
| 12          | 89-1386            | 1           | Retainer, Riser                                                    |
| 13          | 102-4502           | 1           | Drive Assy., 12-Pack                                               |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                     |
|-------------|--------------------|-------------|------------------------------------------------------------------------|
| 14          | 89-1390            | 1           | Housing, Stator                                                        |
| 15          | 89-9636            | 1           | Stator, Variable, 51-54,<br>Manila                                     |
| 15          | 89-9637            | 1           | Stator, Variable, 55-56,<br>Black                                      |
| 15          | 89-9622            |             | Stator, Variable, 57, Green                                            |
| 16          | 89-6495            | 1           | Screen                                                                 |
| 17          |                    | 1           | Body Assy. (See Golf<br>Sprinkler Body Assembly<br>Section) ○ ◆        |
| 18          |                    | 1           | Pilot Valve Assembly<br>(See Pilot Valve Assembly<br>Section) □ ◆      |
|             | 89-7562            |             | Riser Assy. W/Screen, 730<br>Svc. (Includes Items 9-12 &<br>16) ●●▲▲   |
|             | 89-5979            |             | Seal Kit, 730 (Includes Items<br>10-12) ●●▲▲                           |
|             | 89-8289            |             | Cap, Effluent ●▲                                                       |
|             | YARDMARKYEL 1      |             | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ●▲                      |
|             | YARDMARKLAV 1      |             | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ●▲ |
|             | 995-15             |             | Selector Tool (Flag Key) ■▲                                            |
|             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■▲                       |
|             | 995-08             |             | Valve Removal Tool ■▲                                                  |
|             | 996-76             |             | Valve Insertion Tool ■▲                                                |
|             | 995-83             |             | Multi-Purpose Tool ■▲                                                  |

● SERVICE ITEMS

▲ Not illustrated

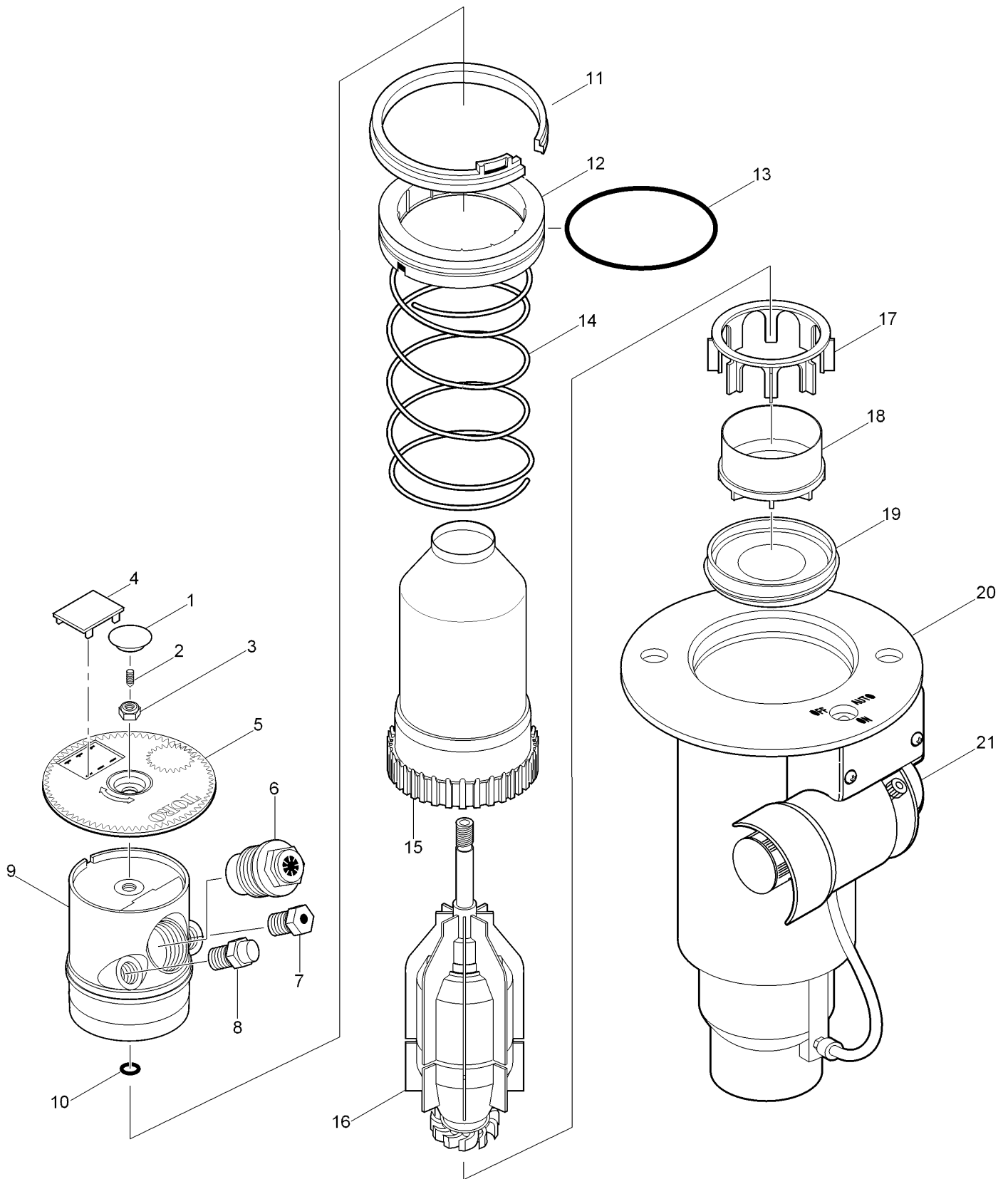
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 760 Series Golf Sprinkler



## 760 Series Golf Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                                   | <i>Ref.</i>   | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------|---------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 89-1220            | 1           | Plug, Adjustment                                                                                                     | 21            |                    | 1           | Pilot Valve Assembly<br>(See Pilot Valve Assembly<br>Section) □ ♦       |
| 2           | 363-3150           | 1           | Screw, Set, 10-32 X .250<br>(Part Circle Models Only)                                                                | 363-3125      |                    |             | Plug ● ▲                                                                |
| 3           | 363-4039           | 1           | Nut, 5/16-24, W/ Nylon Lock                                                                                          | 102-0840      |                    |             | Nozzle, Inner/Intermediate,<br>Blank, Red ● ▲                           |
| 4           | 89-1589            | 1           | Plug, Cap (Black)                                                                                                    | 89-4651       |                    |             | Nozzle, Inner, 82 Yellow<br>(Pre-November 2003) ● ▲                     |
| 5           | 89-1952            | 1           | Cap, 760                                                                                                             | 89-3942       |                    |             | Nozzle, Inner, 83 Blue<br>(Pre-November 2003) ● ▲                       |
| 6           | 89-1925            | 1           | Nozzle, Main, 62 Yellow                                                                                              | 89-4652       |                    |             | Nozzle, Inner, 84 Brown<br>(Pre-November 2003) ● ▲                      |
| 6           | 89-1926            | 1           | Nozzle, Main, 63 Blue                                                                                                | 89-3729       |                    |             | Nozzle, Inner, 85 Orange<br>(Pre-November 2003) ● ▲                     |
| 6           | 89-1927            | 1           | Nozzle, Main, 64 Brown                                                                                               | 89-4653       |                    |             | Nozzle, Inner, 86 Green<br>(Pre-November 2003) ● ▲                      |
| 6           | 89-1928            | 1           | Nozzle, Main, 65 Orange                                                                                              | 89-1879       |                    |             | Nozzle, Inner, 87 Gray<br>(Pre-November 2003) ● ▲                       |
| 6           | 89-1929            | 1           | Nozzle, Main, 66 Green                                                                                               | 89-4654       |                    |             | Nozzle, Inner, 88 Black<br>(Pre-November 2003) ● ▲                      |
| 6           | 89-1930            | 1           | Nozzle, Main, 67 Gray                                                                                                | 89-4650       |                    |             | Restrictor, (84-89 White)<br>(Pre-November 2003) ● ▲                    |
| 6           | 89-1931            | 1           | Nozzle, Main, 68 Black                                                                                               | YARDMARKYEL 1 |                    |             | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ● ▲                      |
| 7           | 102-2925           | 1           | Nozzle Assy. Intermediate,<br>Blue (Used W/ #62 Yellow &<br>#63 Blue Mains)                                          | YARDMARKLAV 1 |                    |             | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ● ▲ |
| 7           | 102-0608           | 1           | Nozzle, Intermediate,<br>Orange (Used W/ #64<br>Brown Main)                                                          | 995-08        |                    |             | Valve Removal Tool ■ ▲                                                  |
| 7           | 102-0609           | 1           | Nozzle, Intermediate, Gray<br>(Used W/ #65 Orange Main)                                                              | 995-15        |                    |             | Selector Tool (Flag Key) ■ ▲                                            |
| 7           | 102-0610           | 1           | Nozzle, Intermediate, Red<br>(Use W/ #66 Green & #67<br>Gray Mains)                                                  | 995-55        |                    |             | Riser Hold-Up Tool ■ ▲                                                  |
| 7           | 102-2929           | 1           | Nozzle, Intermediate, Beige<br>(Used W/ #68 Black Main)                                                              | 995-76        |                    |             | Valve Insertion Tool ■ ▲                                                |
| 8           | 102-2980           | 1           | Nozzle Assy. Inner, Red (W/<br>Restrictor)                                                                           | 995-79        |                    |             | Nut Driver, 7/16" (For Inner<br>And Intermediate Nozzles)<br>■ ▲        |
| 9           | 89-1906            | 1           | Nozzle Base Assy., 760/780                                                                                           | 995-80        |                    |             | Nut Driver, 1/2" (For<br>363-4039 Lock Nut) ■<br>▲                      |
| 9           | 102-0057           | 1           | Nozzle Base Assy., 760/780<br>W/Back Nozzle (Includes<br>89-3729 Nozzle, Inner<br>85 Orange & 89-4650<br>Restrictor) | 995-81        |                    |             | Nut Driver, 9/16" (For Main<br>Nozzle) ■ ▲                              |
| 10          | 360-0107           | 1           | O-Ring                                                                                                               | 995-82        |                    |             | Adjustment Tool, 3/32"<br>(T-Handle Hex Wrench) ■ ▲                     |
| 11          | 89-1385            | 1           | Snap Ring, Riser                                                                                                     | 995-83        |                    |             | Multi-Purpose Tool ■ ▲                                                  |
| 12          | 102-0134           | 1           | Retainer, Seal                                                                                                       | 995-85        |                    |             | Riser Removal Tool ■ ▲                                                  |
| 13          | 363-4102           | 1           | O-Ring, Paraffin As-568 232                                                                                          | 995-100       |                    |             | Valve Snap Ring Pliers With<br>Screen Remover ■ ▲                       |
| 14          | 89-6307            | 1           | Spring, Return                                                                                                       | 118-0954      | 1                  |             | Riser Hold-Up Tool, Red ■ ▲                                             |
| 15          | 89-6360            | 1           | Riser Assembly                                                                                                       |               |                    |             |                                                                         |
| 16          |                    | 1           | Drive Assembly ♦                                                                                                     |               |                    |             |                                                                         |
| 17          | 89-1958            | 1           | Stator Support                                                                                                       |               |                    |             |                                                                         |
| 18          | 89-1957            | 1           | Stator, Variable                                                                                                     |               |                    |             |                                                                         |
| 19          | 89-1588            | 1           | Screen                                                                                                               |               |                    |             |                                                                         |
| 20          |                    | 1           | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ○ ♦                                                   |               |                    |             |                                                                         |

● SERVICE ITEMS

▲ Not illustrated

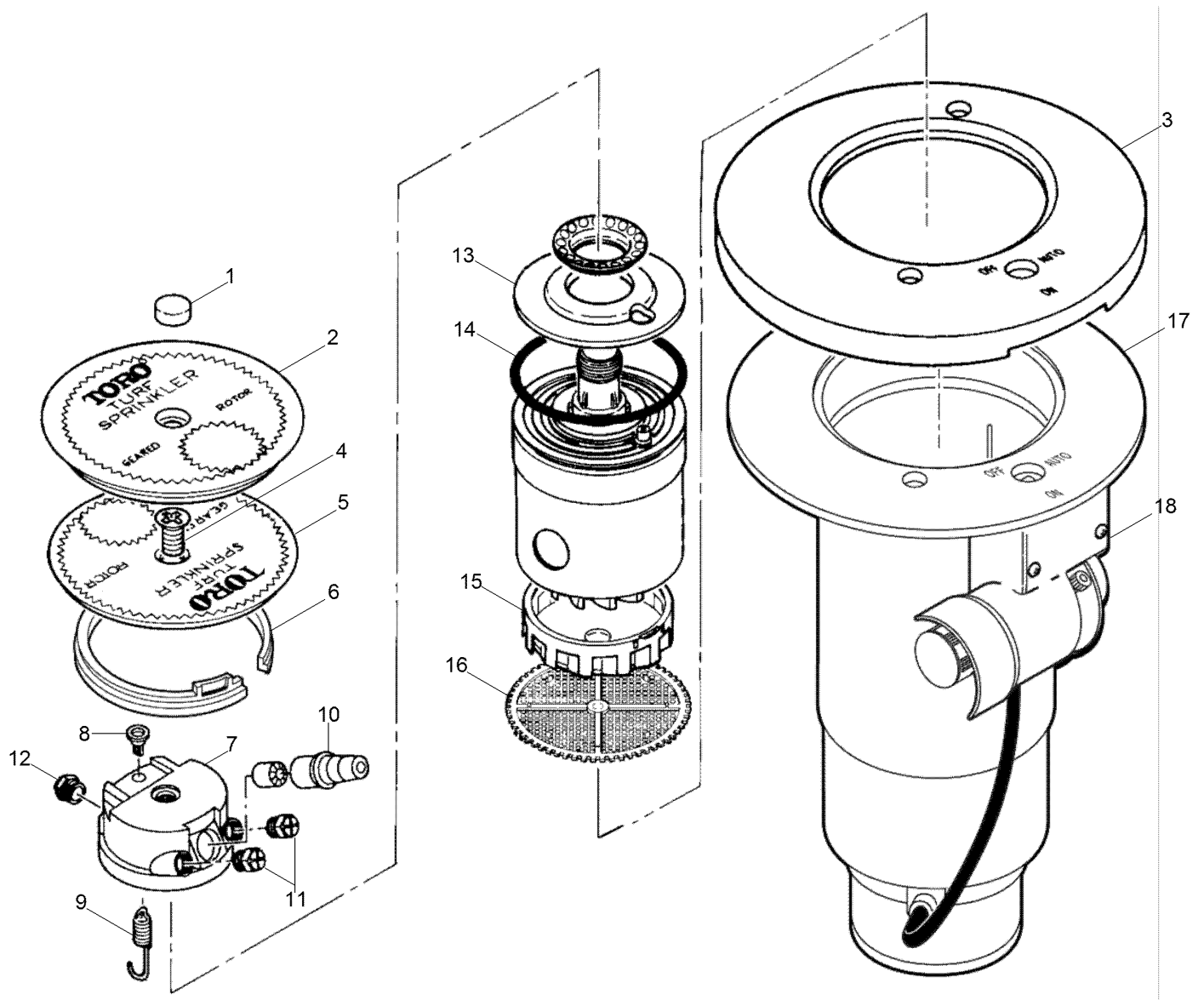
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

♦ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 650 Series



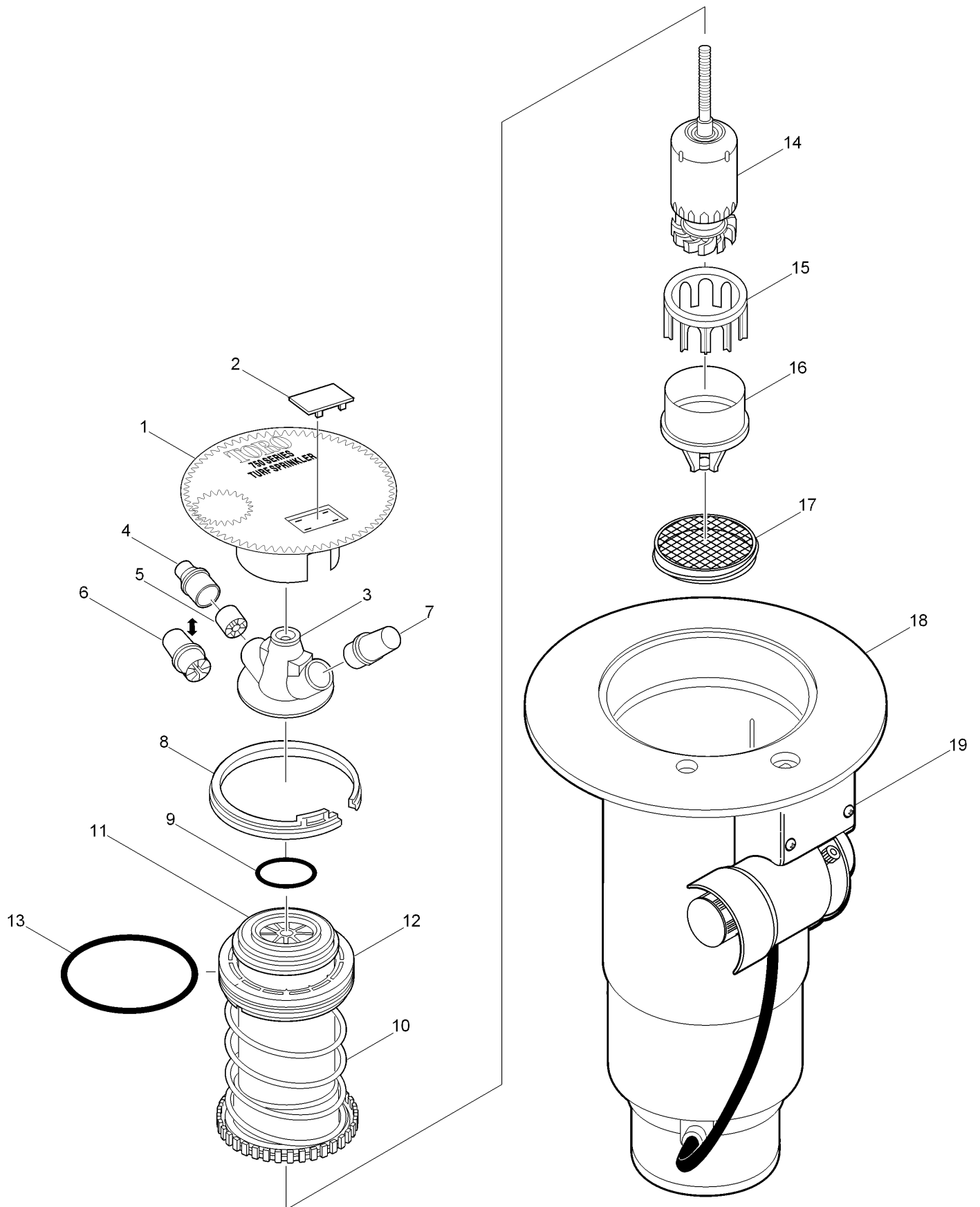
## 650 Series (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                          |
|-------------|--------------------|-------------|----------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------------|
| 1           | 3-2095             | 1           | Plug, Cap, Rubber Cover                                        | 15          | 9-5187             | 1           | Stator, 34/59                                                               |
| 2           | 35-8563            | 1           | Cap Assy., Rubber Cover                                        | 15          | 9-5188             | 1           | Stator, 54                                                                  |
| 3           | 9-5355             | 1           | Rubber Cover, Rounded Flange (See Service Item 650-02)         | 15          | 9-5186             | 1           | Stator, 55/56                                                               |
| 4           | 3-2510             | 1           | Screw, Machine, 5/16-18 X 11/16"                               | 15          | 9-5190             | 1           | Stator, 57                                                                  |
| 5           | 89-8461            | 1           | Cap                                                            | 15          | 9-5192             | 1           | Stator, 58                                                                  |
| 6           | 35-6119            | 1           | Snap Ring, Riser                                               | 16          | 35-1106            | 1           | Screen, Molded                                                              |
| 7           |                    | 1           | Nozzle Base Assy., 656/658 (Use 89-4853 Or 89-4852) ♦          | 17          |                    | 1           | Body Assy. (See Golf Sprinkler Body Assembly Section.) ♦                    |
| 7           |                    | 1           | Nozzle Base Assy., 651/652, 654/655 (Use 89-4795 Or 35-7638) ♦ | 18          |                    | 1           | Pilot Valve Assy. (See Pilot Valve Assembly Section.) ♦                     |
| 8           | 35-5846            | 1           | Retainer, Spring                                               |             | 35-7638            |             | Nozzle Assy., W/O Main Nozzle, 650 (Includes Items 4, 5, 7, 8, 9 & 12) ●▲   |
| 9           | 35-6289            | 1           | Spring, Nozzle                                                 |             | 89-4795            |             | Nozzle Assy., W/O Main Nozzle And Cap, 650 (Includes Items 7, 8, 9 & 12) ●▲ |
| 10          | 35-7658            | 1           | Nozzle, Main, #54 (Includes Item 11)                           |             | 102-0840           |             | Nozzle, Inner/Intermediate, Blank, Red ●▲                                   |
| 10          | 35-7659            | 1           | Nozzle, Main, #55 (Includes Item 11)                           |             | 995-09             |             | Valve Removal Tool ■▲                                                       |
| 10          | 35-7660            | 1           | Nozzle, Main, #56 (Includes Item 11)                           |             | 995-15             |             | Selector Tool (Flag Key) ■▲                                                 |
| 10          | 35-7661            | 1           | Nozzle, Main, #57 (Includes Item 11)                           |             | 995-16             |             | Riser Pliers ■▲                                                             |
| 10          | 35-7662            | 1           | Nozzle, Main, #58 (Includes Item 11)                           |             | 995-18             |             | Spring Collar Installation Tool ■▲                                          |
| 10          | 35-9839            | 1           | Nozzle, Main, #59                                              |             | 995-79             |             | Nut Driver, 7/16" (For Inner And Intermediate Nozzles) ■▲                   |
| 11          | 89-3942            | 1           | Nozzle, Inner, 83 Blue (Pre-November 2003)                     |             | 995-83             |             | Multi-Purpose Tool ■▲                                                       |
| 11          | 89-4738            | 1           | Nozzle, Inner, Red                                             |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■▲                               |
| 12          | 89-4785            | 1           | Nozzle, Back, Green                                            |             | 995-101            |             | Valve Insertion Tool ■▲                                                     |
| 13          | 3-2093             | 1           | Plate, Retainer                                                |             |                    |             |                                                                             |
| 14          | 363-4103           | 1           | O-Ring, Body                                                   |             |                    |             |                                                                             |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

# 750 Series Golf Sprinklers





## 750 Series Golf Sprinklers (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 89-4812            | 1           | Cap                                                                |
| 1           | 89-8290            | 1           | Cap, Effluent                                                      |
| 2           | 89-1589            | 1           | Plug, Cap (Black)                                                  |
| 3           | 89-8907            | 1           | Base Assy., Nozzle<br>(Includes Nozzle Base<br>And Insert Bearing) |
| 4           | 89-8781            | 1           | Nozzle, Main, 32, Orange<br>(Includes Item 5)                      |
| 4           | 89-8782            | 1           | Nozzle, Main, 33, Brown<br>(Includes Item 5)                       |
| 4           | 89-8783            | 1           | Nozzle, Main, 34, Blue<br>(Includes Item 5)                        |
| 5           | 9-4098             | 1           | Insert, Nozzle                                                     |
| 6           | 89-8969            | 1           | Nozzle, Main, 55, Green,<br>Long (Includes Item 5)                 |
| 6           | 89-8701            | 1           | Nozzle, Main, 56, Red, Long                                        |
| 6           | 89-8702            | 1           | Nozzle, Main, 57, Gray,<br>Long                                    |
| 6           | 89-8614            | 1           | Nozzle, Main, 58, Beige,<br>Long                                   |
| 6           | 89-8615            | 1           | Nozzle, Main, 59, Black,<br>Long                                   |
| 7           | 89-8715            | 1           | Nozzle, Inner, 52-54, Red                                          |
| 7           | 89-8373            | 1           | Nozzle, Inner, 55-59, Black                                        |
| 8           | 35-6119            | 1           | Snap Ring, Riser                                                   |
| 9           | 363-4167           | 1           | O-Ring, Nozzle Base                                                |
| 10          |                    | 1           | Riser Assembly (See<br>Service Item 89-7563) ◆                     |
| 11          | 89-1386            | 1           | Retainer, Riser                                                    |
| 12          |                    | 1           | Retainer, Spring (See<br>Service Item 89-4352) ◆                   |
| 13          | 363-4103           | 1           | O-Ring, Body                                                       |
| 14          | 102-4502           | 1           | Drive Assy., 12-Pack                                               |
| 15          | 89-1390            | 1           | Housing, Stator                                                    |
| 16          | 89-9636            | 1           | Stator, Variable, 51-54,<br>Manila                                 |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 16          | 89-9637            | 1           | Stator, Variable, 55-56,<br>Black                                       |
| 16          | 89-9622            | 1           | Stator, Variable, 57, Green                                             |
| 16          | 89-9954            | 1           | Stator, Variable, 58-59, Red                                            |
| 17          | 89-6495            | 1           | Screen                                                                  |
| 18          |                    | 1           | Body Assembly (See Golf<br>Sprinkler Body Assembly<br>Section) ○ ◆      |
| 19          |                    | 1           | Pilot Valve Assembly<br>(See Pilot Valve Assembly<br>Section) □ ◆       |
|             | 89-8916            |             | Nozzle Assy., 754-52,<br>Orange (Includes 1-5 & 7) ●<br>▲               |
|             | 89-4352            |             | Seal Kit, 750 (Includes Items<br>11-13) ● ▲                             |
|             | 89-7563            |             | Riser Assy. W/Screen<br>(Includes Items 10-13 & 17)<br>● ▲              |
|             | 35-4557            |             | Screen, Press-In Type<br>(Pre-9/94 Production) ● ▲                      |
|             | YARDMARKYEL 1      |             | Yardage Marker, Yellow<br>(10-Sheets Per Pack) ● ▲                      |
|             | YARDMARKLAV 1      |             | Yardage Marker, Lavender<br>(For Non-Potable Water<br>Applications) ● ▲ |
|             | 995-09             |             | Valve Removal Tool ■ ▲                                                  |
|             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                            |
|             | 995-55             |             | Riser Hold-Up Tool ■ ▲                                                  |
|             | 995-83             |             | Multi-Purpose Tool ■ ▲                                                  |
|             | 995-85             |             | Riser Removal Tool ■ ▲                                                  |
|             | 995-101            |             | Valve Insertion Tool ■ ▲                                                |
|             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■ ▲                       |

● SERVICE ITEMS

▲ Not illustrated

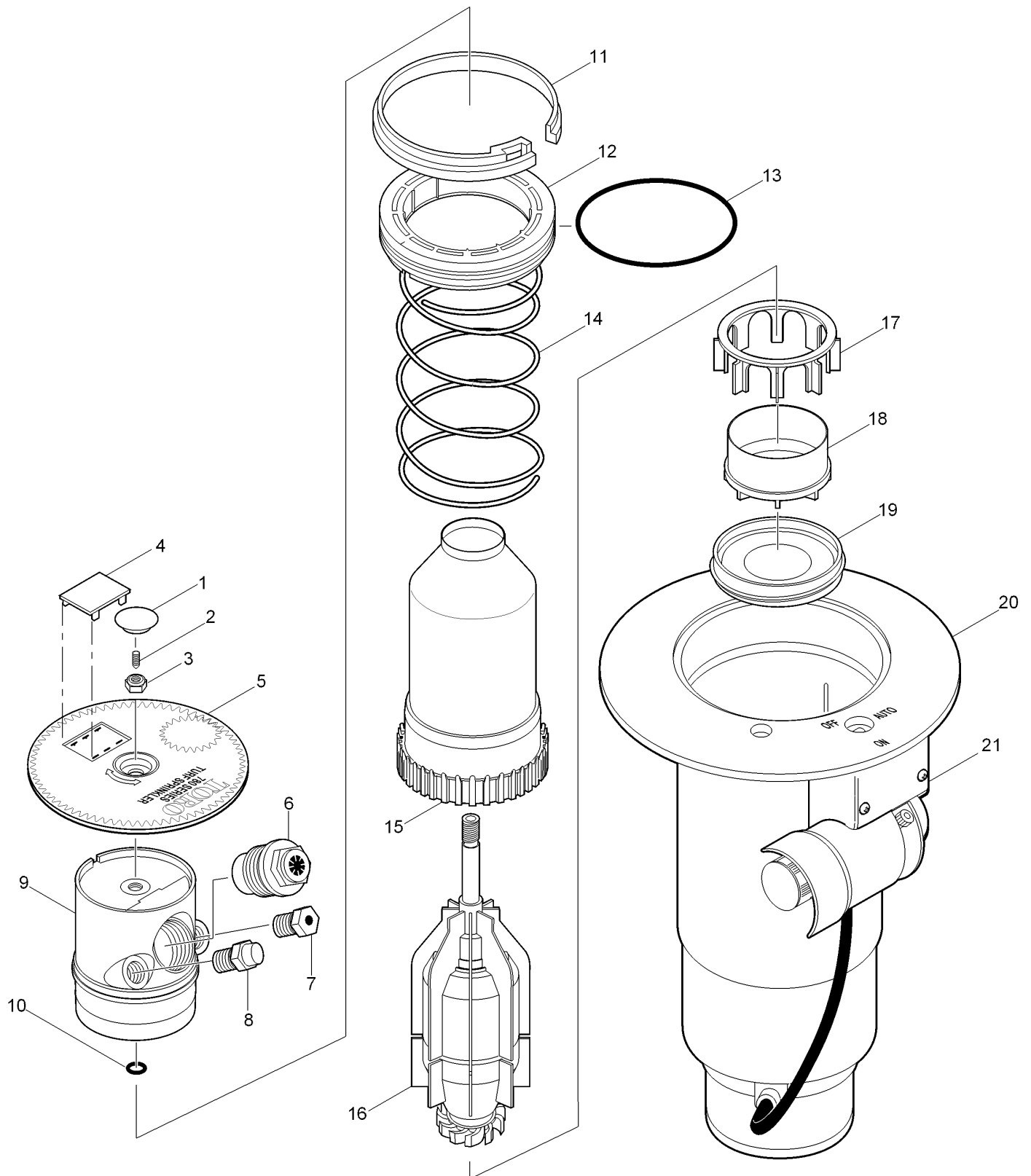
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 780 Series Golf Sprinklers



## 780 Series Golf Sprinklers (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                | <i>Ref.</i>   | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------------|---------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 89-1220            | 1           | Plug, Adjustment                                                                                  | 21            |                    |             | Pilot Valve Assy. (See Pilot Valve Assembly Section) □ ♦          |
| 2           | 363-3150           | 1           | Screw, Set, 10-32 X .250 (Part Circle Only)                                                       | 363-3125      |                    |             | Plug ● ▲                                                          |
| 3           | 363-4039           | 1           | Nut, 5/16-24, W/ Nylon Lock                                                                       | 102-0840      |                    |             | Nozzle, Inner/Intermediate, Blank, Red ● ▲                        |
| 4           | 89-1589            | 1           | Plug, Cap (Black)                                                                                 | 89-4651       |                    |             | Nozzle, Inner, 82 Yellow (Pre-November 2003) ● ▲                  |
| 5           | 89-1584            | 1           | Cap, 780                                                                                          | 89-3942       |                    |             | Nozzle, Inner, 83 Blue (Pre-November 2003) ● ▲                    |
| 5           | 89-8288            | 1           | Cap, Effluent                                                                                     | 89-4652       |                    |             | Nozzle, Inner, 84 Brown (Pre-November 2003) ● ▲                   |
| 6           | 89-1925            | 1           | Nozzle, Main, 62 Yellow                                                                           | 89-3729       |                    |             | Nozzle, Inner, 85 Orange (Pre-November 2003) ● ▲                  |
| 6           | 89-1926            | 1           | Nozzle, Main, 63 Blue                                                                             | 89-4653       |                    |             | Nozzle, Inner, 86 Green (Pre-November 2003) ● ▲                   |
| 6           | 89-1927            | 1           | Nozzle, Main, 64 Brown                                                                            | 89-1879       |                    |             | Nozzle, Inner, 87 Gray (Pre-November 2003) ● ▲                    |
| 6           | 89-1928            | 1           | Nozzle, Main, 65 Orange                                                                           | 89-4654       |                    |             | Nozzle, Inner, 88 Black (Pre-November 2003) ● ▲                   |
| 6           | 89-1929            | 1           | Nozzle, Main, 66 Green                                                                            | 89-1878       |                    |             | Nozzle, Inner, 89 Red ● ▲                                         |
| 6           | 89-1930            | 1           | Nozzle, Main, 67 Gray                                                                             | 89-4650       |                    |             | Restrictor, (84-89 White) (Pre-November 2003) ● ▲                 |
| 6           | 89-1931            | 1           | Nozzle, Main, 68 Black                                                                            | YARDMARKYEL 1 |                    |             | Yardage Marker, Yellow (10-Sheets Per Pack) ● ▲                   |
| 6           | 89-4655            | 1           | Nozzle, Main, 89 Red                                                                              | YARDMARKLAV 1 |                    |             | Yardage Marker, Lavender (For Non-Potable Water Applications) ● ▲ |
| 7           | 102-2925           | 1           | Nozzle Assy. Intermediate, Blue (Used W/ #82 Yellow & #83 Blue Mains)                             | 995-09        |                    |             | Valve Removal Tool ■ ▲                                            |
| 7           | 102-0608           | 1           | Nozzle, Intermediate, Orange (Used W/ #84 Brown Main)                                             | 995-15        |                    |             | Selector Tool (Flag Key) ■ ▲                                      |
| 7           | 102-0609           | 1           | Nozzle, Intermediate, Gray (Used W/ #85 Orange Main)                                              | 995-55        |                    |             | Riser Hold-Up Tool ■ ▲                                            |
| 7           | 102-0610           | 1           | Nozzle, Intermediate, Red (Use W/ #86 Green & #87 Gray Mains)                                     | 995-79        |                    |             | Nut Driver, 7/16" (For Inner And Intermediate Nozzles) ■ ▲        |
| 7           | 102-2929           | 1           | Nozzle, Intermediate, Beige (Use W/ #88 Black & #89 Red Mains)                                    | 995-80        |                    |             | Nut Driver, 1/2" (For 363-4039 Lock Nut) ■ ▲                      |
| 8           | 102-2980           | 1           | Nozzle Assy. Inner, Red (W/ Restrictor)                                                           | 995-81        |                    |             | Nut Driver, 9/16" (For Main Nozzle) ■ ▲                           |
| 9           | 89-1906            | 1           | Nozzle Base Assy., 760/780                                                                        | 995-82        |                    |             | Adjustment Tool, 3/32" (T-Handle Hex Wrench) ■ ▲                  |
| 9           | 102-0057           | 1           | Nozzle Base Assy., 760/780 W/Back Nozzle (Includes 89-3729 #85 Inner Nozzle & 89-4650 Restrictor) | 995-83        |                    |             | Multi-Purpose Tool ■ ▲                                            |
| 10          | 360-0107           | 1           | O-Ring                                                                                            | 995-85        |                    |             | Riser Removal Tool ■ ▲                                            |
| 11          | 35-6119            | 1           | Snap Ring, Riser                                                                                  | 995-101       |                    |             | Valve Insertion Tool ■ ▲                                          |
| 12          | 102-0136           | 1           | Retainer, Seal, 1.5"                                                                              | 995-100       |                    |             | Valve Snap Ring Pliers With Screen Remover ■ ▲                    |
| 13          | 363-4103           | 1           | O-Ring, Body                                                                                      | 118-0954      | 1                  |             | Riser Hold-Up Tool, Red ■ ▲                                       |
| 14          | 89-6307            | 1           | Spring, Return                                                                                    |               |                    |             |                                                                   |
| 15          | 89-6361            | 1           | Riser Assembly, 880S                                                                              |               |                    |             |                                                                   |
| 16          |                    | 1           | Drive Assembly ♦                                                                                  |               |                    |             |                                                                   |
| 17          | 89-1958            | 1           | Stator Support                                                                                    |               |                    |             |                                                                   |
| 18          | 89-1957            | 1           | Stator, Variable                                                                                  |               |                    |             |                                                                   |
| 19          | 89-1588            | 1           | Screen                                                                                            |               |                    |             |                                                                   |
| 20          |                    | 1           | Body Assy. (See Sprinkler Golf Body Assembly Section) ○ ♦                                         |               |                    |             |                                                                   |

● SERVICE ITEMS

▲ Not illustrated

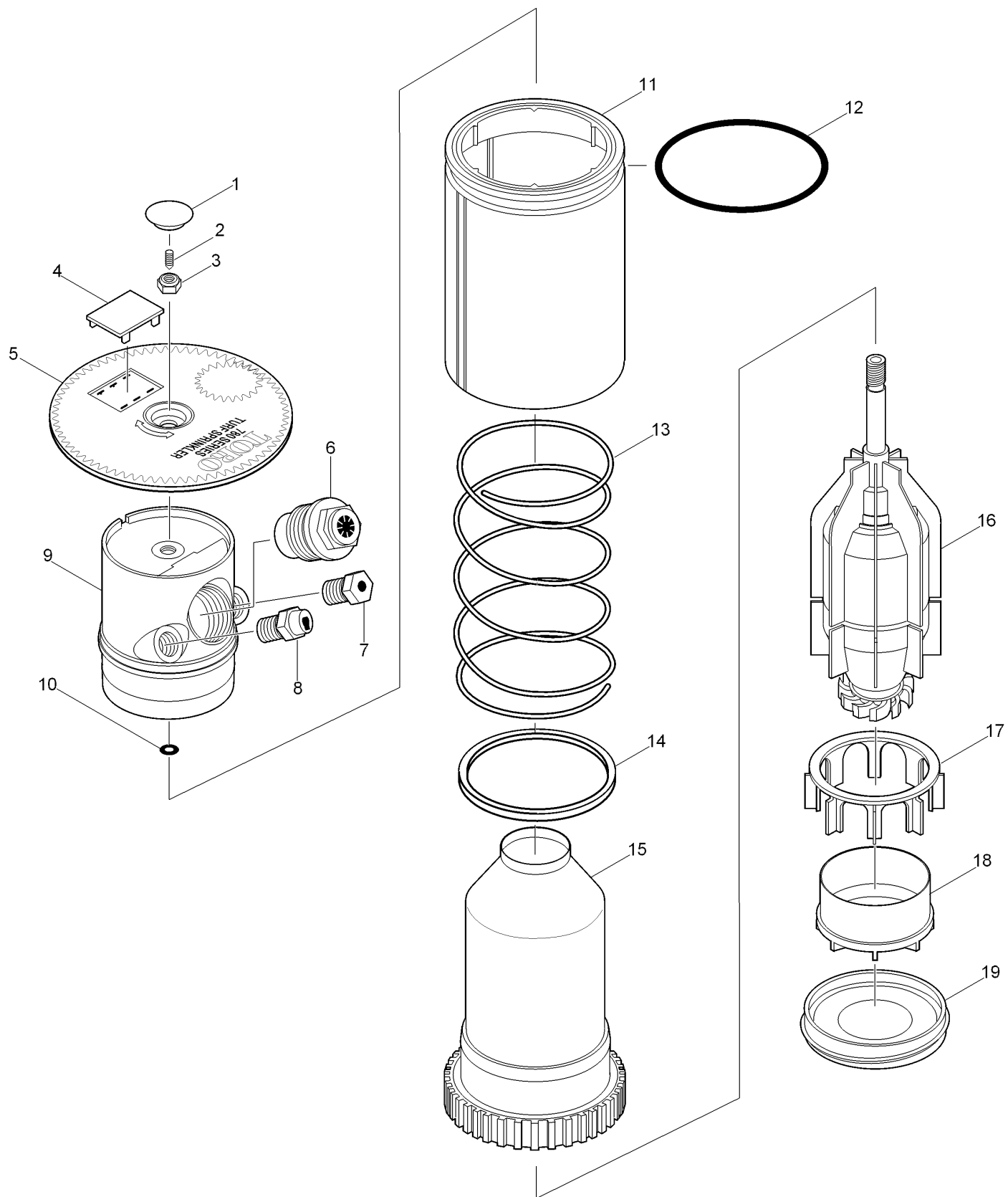
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

♦ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 780 Series Ribless Body Conversion Assembly



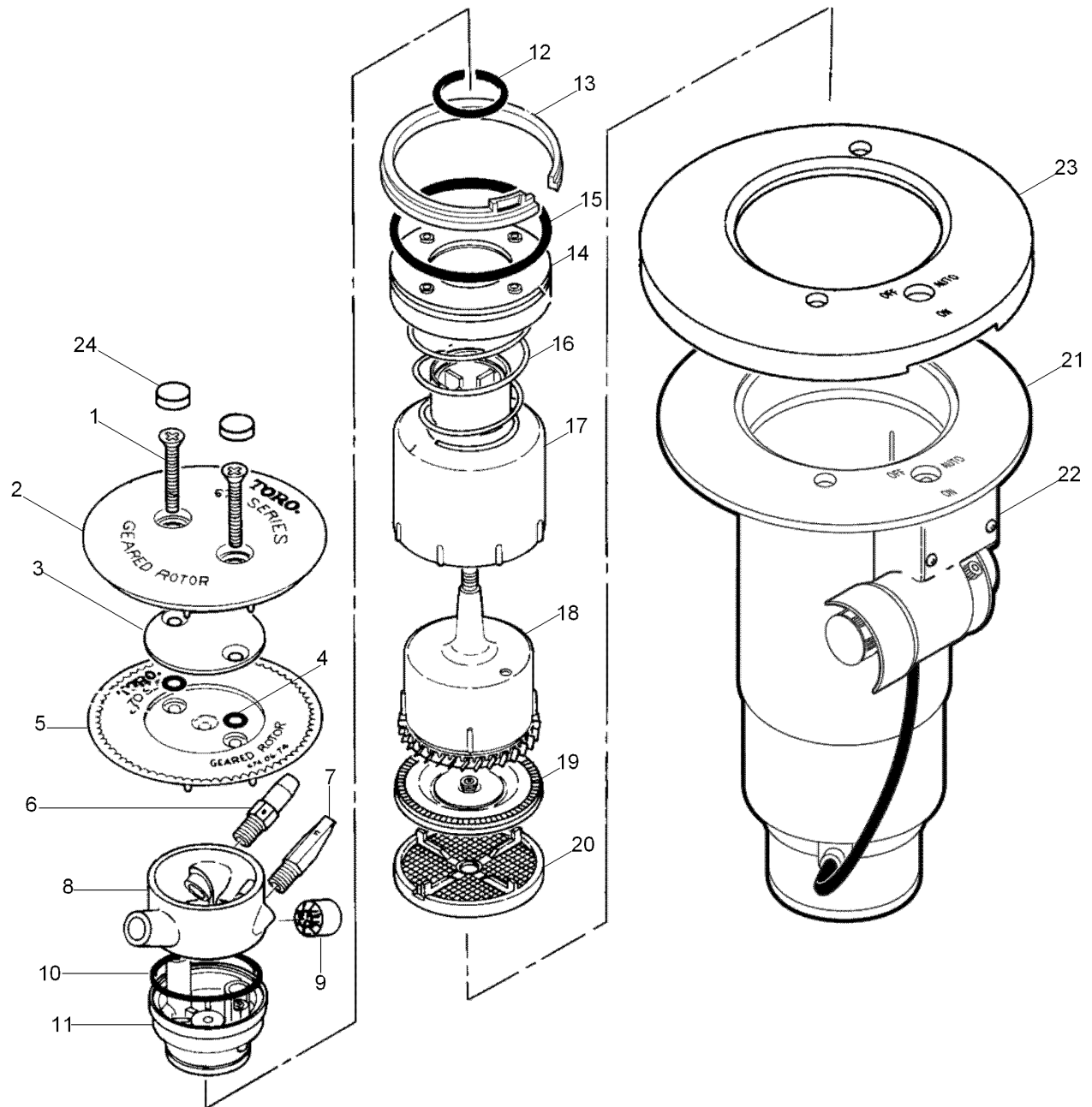
# 780 Series Ribless Body Conversion Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              |
|-------------|--------------------|-------------|-----------------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------|
| 1           | 89-1220            | 1           | Plug, Adjustment                                                                  | 17          | 89-1958            | 1           | Stator Support                                                  |
| 2           | 363-3150           | 1           | Screw, Set, 10-32 X .250<br>(Part Circle Only)                                    | 18          | 89-1957            | 1           | Stator, Variable                                                |
| 3           | 363-4039           | 1           | Nut, 5/16-24, W/ Nylon Lock                                                       | 19          | 89-1588            | 1           | Screen                                                          |
| 4           | 89-1589            | 1           | Plug, Cap (Black)                                                                 |             | 363-3125           |             | Plug ●▲                                                         |
| 5           | 89-1584            | 1           | Cap, 780                                                                          |             | 102-0840           |             | Nozzle, Inner/Intermediate,<br>Blank, Red ●▲                    |
| 5           | 89-8288            | 1           | Cap, Effluent                                                                     |             | 89-4651            |             | Nozzle, Inner, 82 Yellow<br>(Pre-November 2003) ●▲              |
| 6           | 89-1925            | 1           | Nozzle, Main, 62 Yellow                                                           |             | 89-3942            |             | Nozzle, Inner, 83 Blue<br>(Pre-November 2003) ●▲                |
| 6           | 89-1926            | 1           | Nozzle, Main, 63 Blue                                                             |             | 89-4652            |             | Nozzle, Inner, 84 Brown<br>(Pre-November 2003) ●▲               |
| 6           | 89-1927            | 1           | Nozzle, Main, 64 Brown                                                            |             | 89-3729            |             | Nozzle, Inner, 85 Orange<br>(Pre-November 2003) ●▲              |
| 6           | 89-1928            | 1           | Nozzle, Main, 65 Orange                                                           |             | 89-4653            |             | Nozzle, Inner, 86 Green<br>(Pre-November 2003) ●▲               |
| 6           | 89-1929            | 1           | Nozzle, Main, 66 Green                                                            |             | 89-1879            |             | Nozzle, Inner, 87 Gray<br>(Pre-November 2003) ●▲                |
| 6           | 89-1930            | 1           | Nozzle, Main, 67 Gray                                                             |             | 89-4654            |             | Nozzle, Inner, 88 Black<br>(Pre-November 2003) ●▲               |
| 6           | 89-1931            | 1           | Nozzle, Main, 68 Black                                                            |             | 89-1878            |             | Nozzle, Inner, 89 Red ●▲                                        |
| 6           | 89-4655            | 1           | Nozzle, Main, 89 Red                                                              |             | 89-4650            |             | Restrictor, (84-89 White)<br>(Pre-November 2003) ●▲             |
| 7           | 102-2925           | 1           | Nozzle Assy. Intermediate,<br>Blue (Use W/ #82 Yellow &<br>#83 Blue Main Nozzles) |             | 995-09             |             | Valve Removal Tool ■▲                                           |
| 7           | 102-0608           | 1           | Nozzle, Intermediate,<br>Orange (Use W/ #84 Brown<br>Main Nozzle)                 |             | 995-15             |             | Selector Tool (Flag Key) ■▲                                     |
| 7           | 102-0609           | 1           | Nozzle, Intermediate, Gray<br>(Use W/ #84 Orange Main<br>Nozzle)                  |             | 995-55             |             | Riser Hold-Up Tool ■▲                                           |
| 7           | 102-0610           | 1           | Nozzle, Intermediate, Red<br>(Use W/ #86 Green & #87<br>Gray Main Nozzles)        |             | 995-79             |             | Nut Driver, 7/16" (For Inner<br>And Intermediate Nozzles)<br>■▲ |
| 7           | 102-2929           | 1           | Nozzle, Intermediate, Beige<br>(Use W/ #88 Black & #89<br>Red Main Nozzles)       |             | 995-80             |             | Nut Driver, 1/2" (For<br>363-4039 Lock Nut) ■<br>▲              |
| 8           | 102-2980           | 1           | Nozzle Assy. Inner, Red (W/<br>Restrictor)                                        |             | 995-81             |             | Nut Driver, 9/16" (For Main<br>Nozzle) ■▲                       |
| 9           | 89-1906            | 1           | Nozzle Base Assy., 760/780                                                        |             | 995-82             |             | Adjustment Tool, 3/32"<br>(T-Handle Hex Wrench) ■▲              |
| 9           | 102-0057           | 1           | Nozzle Base Assy., 760/780<br>W/Back Nozzle                                       |             | 995-83             |             | Multi-Purpose Tool ■▲                                           |
| 10          | 360-0107           | 1           | O-Ring                                                                            |             | 995-85             |             | Riser Removal Tool ■▲                                           |
| 11          | 89-7568            | 1           | Sleeve, Retainer, O-Ring,<br>Conversion                                           |             | 995-101            |             | Valve Insertion Tool ■▲                                         |
| 12          | 363-4103           | 1           | O-Ring, Body                                                                      |             | 995-100            |             | Valve Snap Ring Pliers With<br>Screen Remover ■▲                |
| 13          | 89-6307            | 1           | Spring, Return                                                                    |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■▲                                      |
| 14          | 89-7569            | 1           | Seal, Riser                                                                       |             |                    |             |                                                                 |
| 15          | 89-6360            | 1           | Riser Assembly                                                                    |             |                    |             |                                                                 |
| 16          |                    | 1           | Drive Assembly ♦                                                                  |             |                    |             |                                                                 |

● SERVICE ITEMS  
▲ Not illustrated

■ SERVICE TOOLS  
♦ Not serviced separately

# 670 Series Golf Sprinkler



## 670 Series Golf Sprinkler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           |
|-------------|--------------------|-------------|----------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------|
| 1           | 363-1571           | 2           | Screw-PFH                        | 18          | 9-3908             | 1           | Drive Assy. (Includes Item 17)                               |
| 2           | 9-5633             | 1           | Cap Assy, Rubber Cover           | 19          | 9-4529             | 1           | Stator, Variable (Used W/ #72, #73 & #74 Nozzles)            |
| 3           | 9-3735             | 1           | Plate, Cap, Insert               | 20          | 35-3611            | 1           | Screen, Debris                                               |
| 4           | 360-0107           | 2           | O-Ring                           | 21          |                    | 1           | Body Assembly (See Golf Sprinkler Body Assembly Section) ○ ◆ |
| 5           | 35-0530            | 1           | Cap, Sprinkler, 670              | 22          |                    | 1           | Pilot Valve Assembly (See Pilot Valve Assembly Section) □ ◆  |
| 6           | 9-2793             | 1           | Nozzle, "0" Intermediate         | 23          | 9-5355             | 1           | Rubber Cover, Rounded Flange,                                |
| 7           | 9-7177             | 1           | Nozzle, "f" Inner                | 24          | 3-2518             | 1           | Plug-Cap , Rubber                                            |
| 8           | 9-7962             | 1           | Ring, Nozzle Assy., #70 (5/16")  |             | 89-0475            |             | 670 Nozzle Assy., #70 (Includes Items 1 & 3-12) ● ▲          |
| 8           | 9-7963             | 1           | Ring, Nozzle Assy., #71 (11/32") |             | 9-7415             |             | 670 Nozzle Assy., #71 (Includes Items 1 & 3-12) ● ▲          |
| 8           | 9-7964             | 1           | Ring, Nozzle Assy., #72 (3/8")   |             | 9-7417             |             | 670 Nozzle Assy., #73 (Includes Items 1 & 3-12) ● ▲          |
| 8           | 9-7965             | 1           | Ring, Nozzle Assy., #73 (13/32") |             | 995-09             |             | Valve Removal Tool ■ ▲                                       |
| 8           | 9-7966             | 1           | Ring, Nozzle Assy., #74 (7/16")  |             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                 |
| 9           | 89-5813            | 1           | Straightener, Stream             |             | 995-83             |             | Multi-Purpose Tool ■ ▲                                       |
| 10          | 360-0398           | 1           | O-Ring                           |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■ ▲               |
| 11          | 9-7407             | 1           | Nozzle Base Assy.                |             | 995-101            |             | Valve Insertion Tool ■ ▲                                     |
| 12          | 9-5075             | 1           | O-Ring, Housing, Outer           |             |                    |             |                                                              |
| 13          | 35-6119            | 1           | Snap Ring, Riser                 |             |                    |             |                                                              |
| 14          | 9-5055             | 1           | Spring Retainer & Plate Assembly |             |                    |             |                                                              |
| 15          | 363-4103           | 1           | O-Ring, Body                     |             |                    |             |                                                              |
| 16          |                    | 1           | Spring, Return ◆                 |             |                    |             |                                                              |
| 17          | 9-3874             | 1           | Drive Assy., Outer Housing       |             |                    |             |                                                              |

● SERVICE ITEMS

▲ Not illustrated

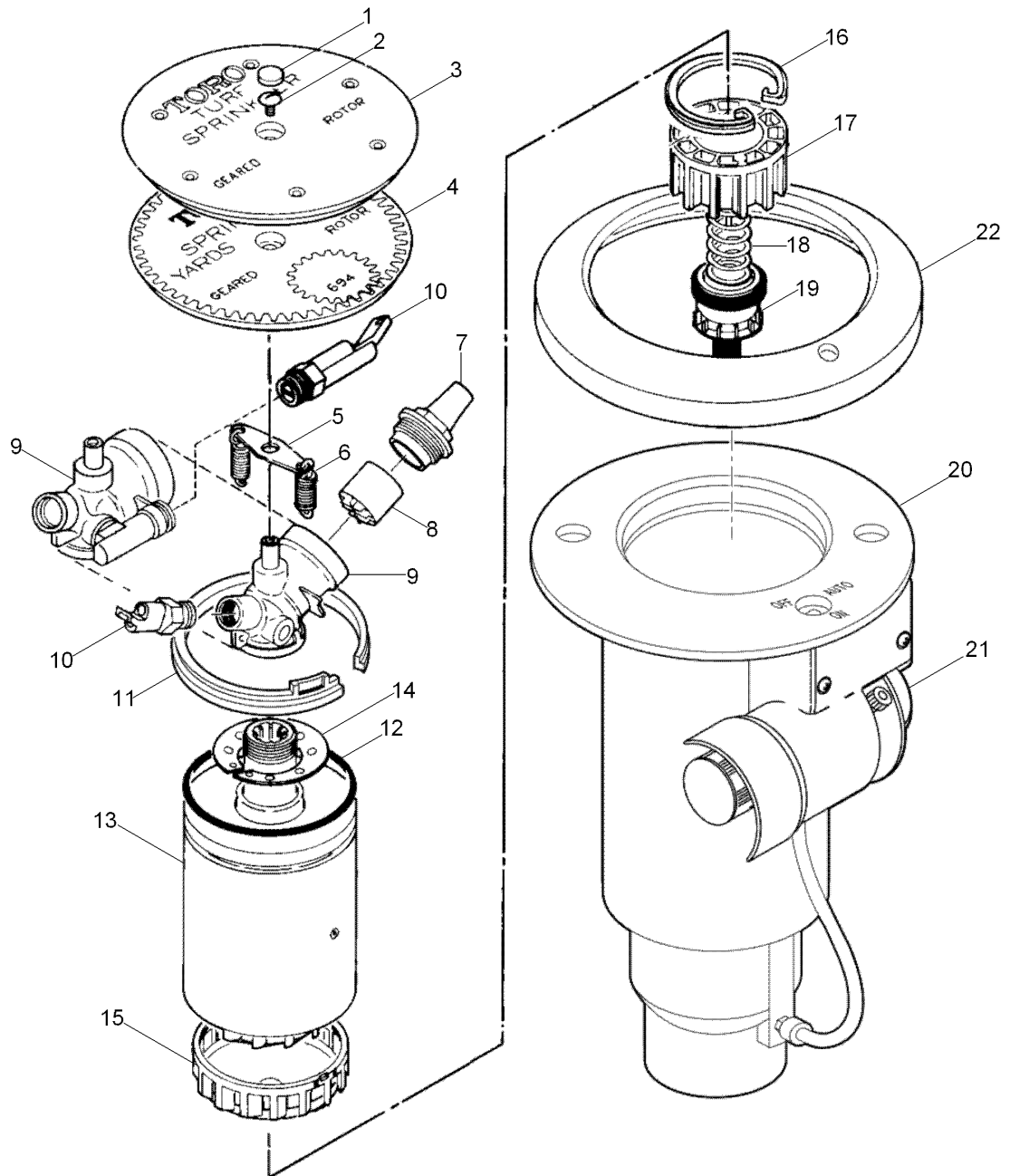
□ See Pilot Valve Assembly Section.

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

# 690 Series Golf Sprinkler





## 690 Series Golf Sprinkler (continued)

| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>                                   | <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>                                           |
|-------------|--------------------|-------------|------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------|
| 1           | 3-2518             | 1           | Plug-Cap , Rubber                                    | 20          |                    | 1           | Body Assembly (See Service Items) ◊ ◆                        |
| 2           | 3-3567             | 1           | Screw-Machine, 1/4-20 X 3/8                          | 21          |                    | 1           | Pilot Valve Assembly (See Pilot Valve Assembly Section) ◻ ◆  |
| 3           | 3-3582             | 1           | Cover-Cap, Rubber                                    | 22          |                    | 1           | Cover Body, Rubber ◆                                         |
| 4           | 3-3532             | 1           | Cap                                                  |             | 102-4003           | 1           | Valve Assy., 1.5", Elec ● ▲                                  |
| 5           | 9-2734             | 1           | Strap-Spring                                         |             | 102-6310           | 1           | Valve Assy., 1.5", N.O.                                      |
| 6           | 9-2738             | 2           | Spring-Retraction                                    |             | 89-1037            | 1           | Valve Assy., 1.5", Com ● ▲                                   |
| 7           | 89-5816            | 1           | Nozzle-Main, 3/8, No. 90                             |             | 3-3529             |             | Cap ASM, Rubber Cover ● ▲                                    |
| 7           | 3-3542             | 1           | Nozzle-Main, 7/16, No. 91                            |             | 3-3579             |             | Body-Electric W/O/Vih ● ▲                                    |
| 7           | 3-3543             | 1           | Nozzle-Main, 1/2, No. 92                             |             | 3-3558             |             | Body-Hydraulic No W/O/Vih ● ▲                                |
| 8           | 3-3535             | 1           | Straightener-Stream                                  |             |                    |             |                                                              |
| 9           | 3-3531             | 1           | Base-Nozzle, Full-Circle                             |             | 9-1497             |             | Body-Com W/O/Vih ● ▲                                         |
| 9           | 9-1079             | 1           | Base-Nozzle, Part-Circle                             |             | 9-4079             |             | Nozzle ASM, 690-90 (Includes Items 7-10) ● ▲                 |
| 10          | 9-5535             | 1           | Nozzle-Back                                          |             |                    |             | Nozzle ASM, 690-91 (Includes Items 7-10) ● ▲                 |
| 11          | 3-3536             | 1           | Ring-Snap, Head                                      |             |                    |             | Nozzle ASM, 690-92 (Includes Items 7-10) ● ▲                 |
| 12          | 363-3210           | 1           | O-Ring (0.139 X 4.359 X 4.637)                       |             | 9-4080             |             | Nozzle ASM, 694-90 (Includes Items 7-10) ● ▲                 |
| 13          | 9-1849             | 1           | Drive ASM, Quarter-Circle, 691 (Includes Item 14)    |             | 9-4081             |             | Nozzle ASM, 694-91 (Includes Items 7-10) ● ▲                 |
| 13          | 9-1850             | 1           | Drive ASM, Half-Circle, 692 (Includes Item 14)       |             | 9-4083             |             | Nozzle ASM, 694-92 (Includes Items 7-10) ● ▲                 |
| 13          | 3-3585             | 1           | Drive ASM, Full-Circle, 694 (Includes Item 14)       |             | 9-4084             |             | Nozzle ASM, 694-92 (Includes Items 7-10) ● ▲                 |
| 13          | 35-5123            | 1           | Drive ASM, 696, 2-Speed, 60°-120° (Includes Item 14) |             | 9-4085             |             | Nozzle ASM, 694-92 (Includes Items 7-10) ● ▲                 |
| 13          | 3-3549             | 1           | Drive ASM, 698, 2-Speed 180° (Includes Item 14)      |             | 9-5747             |             | Nozzle Base ASM, 690, Dual Back Nozzles (Front And Back) ● ▲ |
| 13          | 89-8145            | 1           | Drive ASM, 150° (Includes Item 14)                   |             |                    |             | Retraction ASM, Spring (Includes Items 5, 6, 11 And 14) ● ▲  |
| 13          | 89-8146            | 1           | Drive ASM, 165° (Includes Item 14)                   |             | 9-2669             |             |                                                              |
| 13          | 89-8147            | 1           | Drive ASM, 195° (Includes Item 14)                   |             |                    |             |                                                              |
| 13          | 89-8148            | 1           | Drive ASM, 210° Includes Item 14)                    |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■ ▲               |
| 14          |                    | 1           | Collar, Spring ◆                                     |             | 995-09             |             | Valve Removal Tool ■ ▲                                       |
| 15          | 3-3586             | 1           | Stator, 3/8, #90                                     |             | 995-12             |             | Valve Insertion Tool ■ ▲                                     |
| 15          | 3-3568             | 1           | Stator, 7/16, #91                                    |             | 995-15             |             | Selector Tool (Flag Key) ■ ▲                                 |
| 15          | 3-3555             | 1           | Stator, 1/2, #92                                     |             | 995-17             |             | Pliers-Riser ■ ▲                                             |
| 16          | 3-3304             | 1           | Snap Ring, Valve                                     |             | 995-20             |             | Valve Insertion Tool, Rubber Cover ■ ▲                       |
| 17          | 9-1479             | 1           | Cylinder ASM, No, Com And Drain Valve                |             | 995-22             |             | Adapter-Hose ■ ▲                                             |
| 17          | 102-6142           | 1           | Cylinder Assy., El And No/Com                        |             | 995-49             |             | Gauge-Pressure ■ ▶ ▲                                         |
| 18          | 3-3311             | 1           | Spring-Valve, Com, Black                             |             | 995-50             |             | Tube-Pitot ■ ▲                                               |
| 18          | 102-6411           | 1           | Spring, Valve, El/No, Silver                         |             | 995-51             |             | Pressure Gauge Kit ■ ▲                                       |
| 19          | 102-5101           | 1           | Piston Assy., El                                     |             | 995-100            |             | Valve Snap Ring Pliers With Screen Remover ■ ▲               |
|             |                    |             |                                                      |             | 118-0954           | 1           | Riser Hold-Up Tool, Red ■ ▲                                  |

● SERVICE ITEMS

▲ Not illustrated

◻ See Pilot Valve Assembly Section.

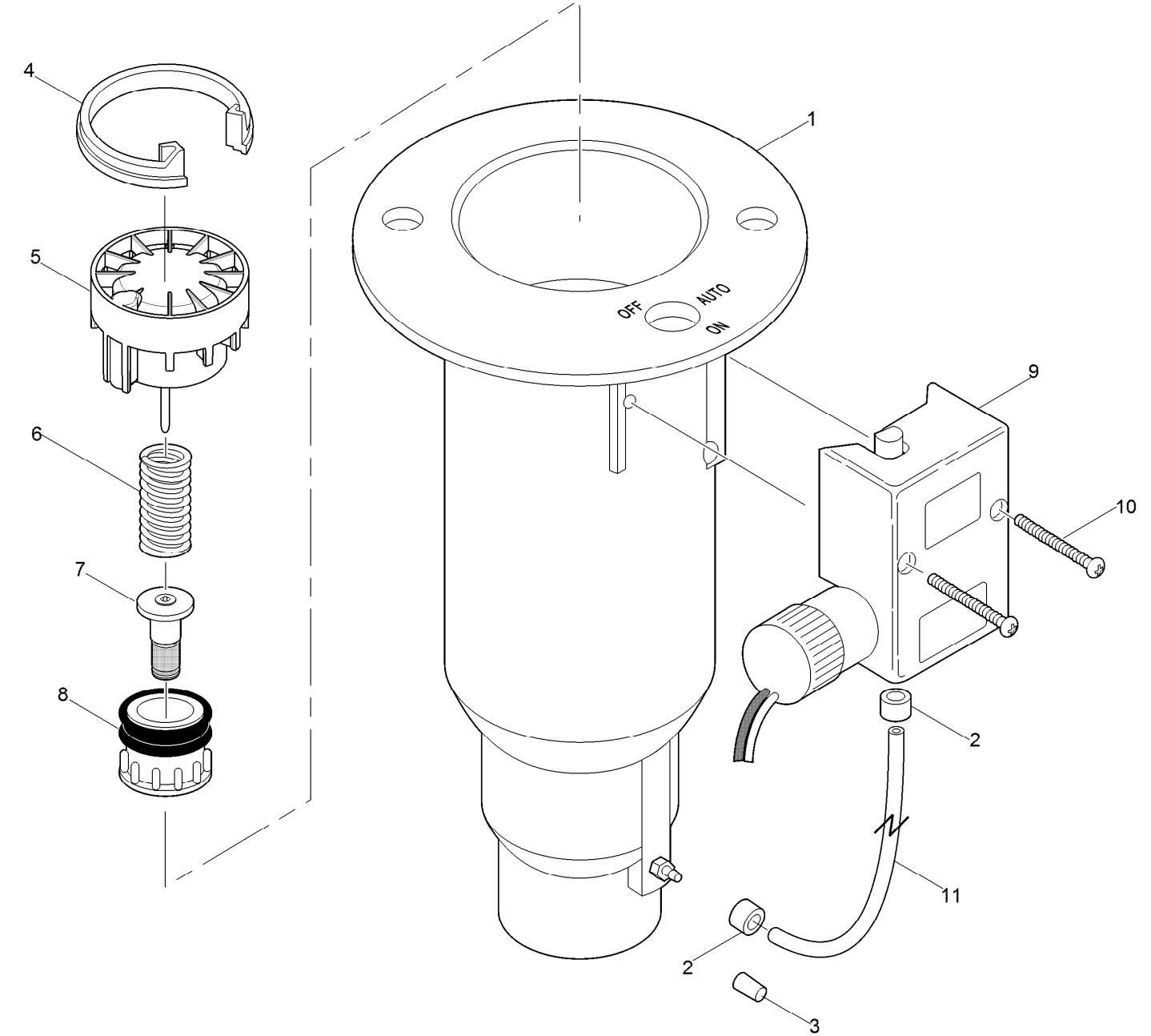
▶ Order Through Finished Goods Distribution System - Minneapolis

■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

Golf Sprinkler Body, 1" - 600 and 700 Series



# Golf Sprinkler Body, 1" - 600 and 700 Series (continued)

| Ref. | Part Number | Qty. | Description                                                       |
|------|-------------|------|-------------------------------------------------------------------|
| 1    | 35-9421     |      | Electric W/O Vih, Npt ▲                                           |
| 1    | 89-4128     |      | Electric W/O Vih, Ribless, Npt ▲ +                                |
| 1    | 102-0083    |      | Electric W/Vih, 720, Npt (Includes Items 1, 4-8) ▲                |
| 1    | 35-9418     |      | Hydraulic No W/O Vih, Npt ▲                                       |
| 1    | 89-4126     |      | Hydraulic No W/O Vih, Ribless, Npt (Includes Items 1-3) ▲ +       |
| 1    | 35-9453     |      | Com W/O Vih, Npt (Includes Items 1, 2 & 11) ▲                     |
| 1    | 89-4127     |      | Com W/O Vih, Ribless, Npt (Includes Items 1, 2 & 11) ▲ +          |
| 1    | 35-9386     |      | Electric W/O Vih, BSP ♦                                           |
| 1    | 102-0084    |      | Electric W/Vih, 720, BSP (Includes Items 1, 4-8) ♦                |
| 1    | 89-8635     |      | 1" Acme Body Style, Electric W/O Vih □                            |
| 1    | 102-0085    |      | 1" Acme Body Style, Electric W/Vih, 720 (Includes Items 1, 4-8) □ |
| 2    | 900-40      | 1    | Retainer, Tube ▶                                                  |
| 3    | 89-8157     | 1    | Cap, 1/4                                                          |
| 4    | 89-4702     | 1    | Snap Ring, Valve                                                  |

| Ref. | Part Number | Qty. | Description                                            |
|------|-------------|------|--------------------------------------------------------|
| 5    | 9-1485      | 1    | Cylinder Assy., No & Com                               |
| 5    | 9-1487      | 1    | Cylinder Assy., EI & NC                                |
| 6    | 3-2633      | 1    | Spring, Valve, No, EI & NC                             |
| 6    | 89-5821     | 1    | Spring, Valve, Com                                     |
| 7    | 35-9646     | 1    | Filter Assy., Metering, EI, NC                         |
| 8    | 89-8082     | 1    | Piston Assy., Hyd., No                                 |
| 8    | 89-1054     | 1    | Piston Assy., EI & NC (Includes Item 7)                |
| 8    | 102-0081    | 1    | Piston Assy., EI (720 Only) (Includes Item 7)          |
| 9    |             | 1    | Pilot Valve Assy. (See Pilot Valve Assembly Section) ○ |
| 10   | 3-2696      | 2    | Screw-Tap, #8                                          |
| 11   | 9-2622      | 1    | Tube, 1/4, 6.5", EI                                    |
| 11   | 9-1876      | 1    | Tube, 1/4, 12", Com                                    |
|      | 89-1046     |      | Valve Assy., 1.0" Hyd., No (Includes Items 6-8) ●■     |
|      | 89-1048     |      | Valve Assy., EI, NC (Includes Items 6-9) ●■            |
|      | 102-0082    |      | Valve Assy., EI, Low Flow (Includes Items 6-9) ●■      |
|      | 9-6002      | 1    | Adapter-Tubing, Threaded, 1/4 ●■                       |

## ● SERVICE ITEMS

▲ 1 Inch NPT Body Style

□ 1 Inch ACME Body Style

▶ Order Through Finished Goods Distribution System - Minneapolis

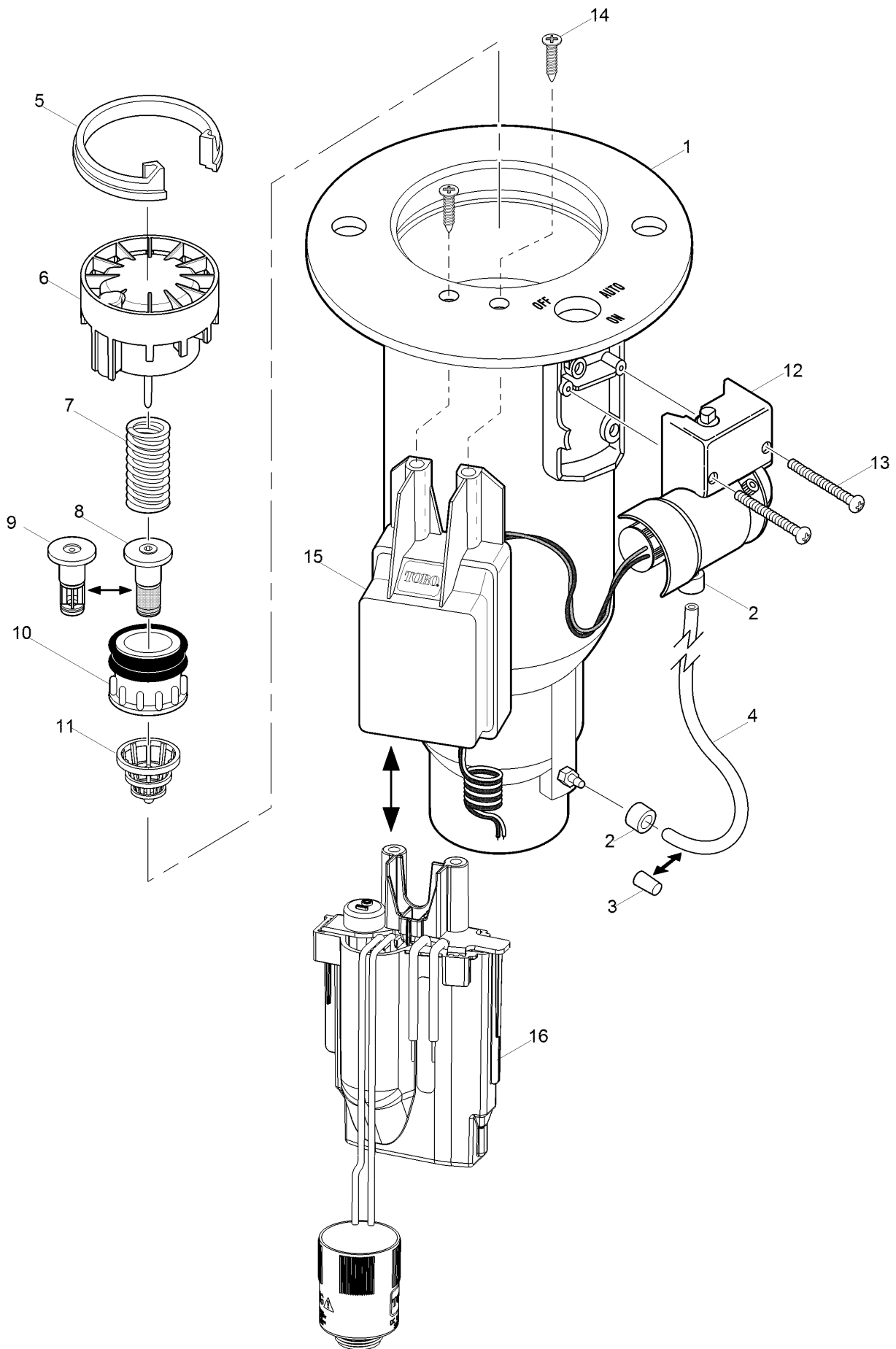
+ Ribless bodies are used with sprinklers manufactured prior to July 1993.

■ Not illustrated

♦ 1 Inch BSP Body Style

○ Not serviced separately

# Golf Sprinkler Body, 1" - Flex, 800S and DT



# Golf Sprinkler Body, 1" - Flex, 800S and DT (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                             |
|-------------|--------------------|-------------|-------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------|
| 1           | 102-1090           | 1           | Electric W/O Vih, Npt ▲                                     | 7           | 89-5821            | 1           | Spring, Valve, Com                                             |
| 1           | 102-1084           | 1           | Hydraulic No W/O Vih, Npt ▲                                 | 8           | 35-9646            | 1           | Filter Assy., Metering, EI, NC                                 |
| 1           | 102-1078           | 1           | Com W/O Vih, Npt (Includes Items 1, 2 & 4) ▲                | 9           | 102-6529           | 1           | Filter Assy., Non-Metering, No/Com                             |
| 1           | 118-1137           | 1           | Body Assy., 1" Npt (For Decoder Equipped Models) ▲          | 10          | 89-1054            | 1           | Piston Assy., EI & NC (Include Item 8)                         |
| 1           | 102-1092           | 1           | Electric W/O Vih, BSP ♦                                     | 11          | 102-0784           | 1           | Rock Screen, 1 Inch                                            |
| 1           | 102-1080           | 1           | Com W/O Vih, BSP (Includes Items 1, 2 & 4) ♦                | 12          |                    | 1           | Pilot Valve Assy. (See Pilot Valve Assembly Section) ○         |
| 1           | 118-1138           | 1           | Body Assy., 1" BSP (For Gdc/Lsm Equipped Models) ♦          | 13          | 3-2696             | 2           | Screw-Tap, #8                                                  |
| 1           | 102-1094           | 1           | 1" Acme Body Style, Electric W/O Vih □                      | 14          | 363-6396           | 2           | Screw (For Gdc/Lsm Equipped Models)                            |
| 1           | 102-1088           | 1           | 1" Acme Body Style, Hydraulic No W/O Vih □                  | 15          | DEC-ISP-1GB        | 1           | Gdc Module W/O Solenoid, 1-Station, Golf Body                  |
| 1           | 102-1082           | 1           | 1" Acme Body Style, Com W/O Vih (Includes Items 1, 2 & 4) □ | 15          | 118-0841SK         | 1           | Gdc Module W/ Solenoid, 1-Station, Golf Body                   |
| 1           | 118-1139           | 1           | Body Assy., 1" Acme (For Decoder Equipped Models) □         | 16          | 118-7150SK         | 1           | Lsm Module, Flx W/ Solenoid, 1-Station, Golf Body              |
| 2           | 900-40             | 2           | Retainer, Tube +                                            | 16          | LSM-1              | 1           | Lsm Module, Flx W/O Solenoid, 1-Station, Golf Body             |
| 3           | 89-8157            | 1           | Cap, 1/4                                                    |             | 102-6313           | 1           | Valve Assy., No (Includes Items 6, 7, 9 & 10) ●■               |
| 4           | 9-2623             | 1           | Tube, 1/4, 8" EI                                            |             | 102-6312           | 1           | Valve Assy., Com (Includes Items 6, 7, 9 & 10) ●■              |
| 4           | 9-1876             | 1           | Tube, 1/4, 12", Com                                         |             | 102-0624           | 1           | Valve Assy., 1 Inch, Electric (Includes Items 6, 7, 8 & 10) ●■ |
| 5           | 89-4702            | 1           | Snap Ring, Valve                                            |             |                    |             |                                                                |
| 6           | 102-0623           | 1           | Cylinder Assy., EI & No/Com                                 |             |                    |             |                                                                |
| 7           | 3-2633             | 1           | Spring, Valve, No, EI & NC                                  |             |                    |             |                                                                |

## ● SERVICE ITEMS

▲ 1 Inch NPT Body Style

□ 1 Inch ACME Body Style

○ See Pilot Valve Assembly Section.

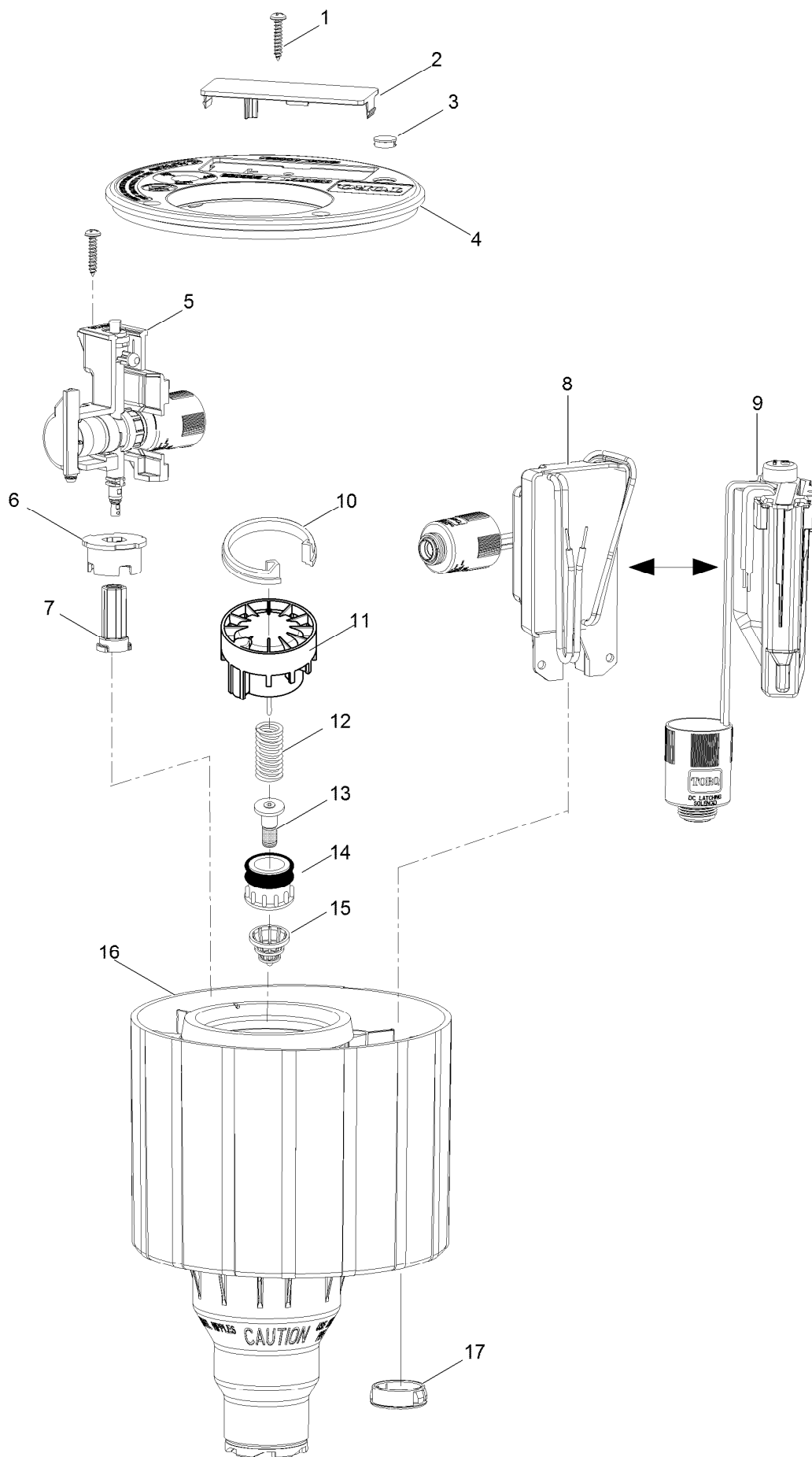
+ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

♦ 1 Inch BSP Body Style

○ Not serviced separately

# Golf Sprinkler Body, 1" - INFINITY Series



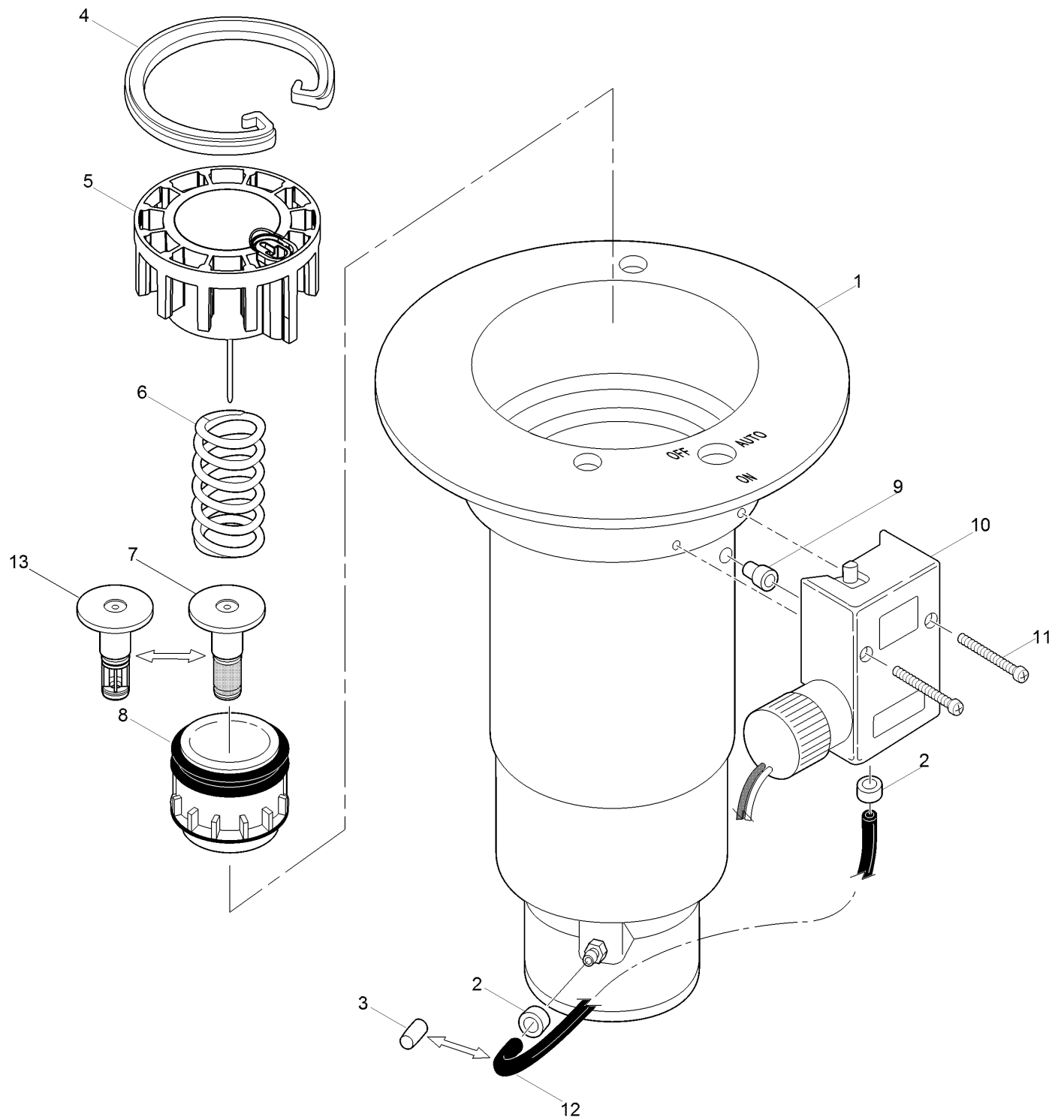
## Golf Sprinkler Body, 1" - INFINITY Series (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               |
|-------------|--------------------|-------------|--------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------------|
| 1           | 363-6875           | 1           | Screw, Tap, 10-12 X 1.00                               | 10          | 89-4702            | 1           | Snap Ring, Valve                                                                 |
| 2           | 118-1840           | 1           | Marker, Blank                                          | 11          | 102-0623           | 1           | Cylinder Assy., EI & No/Com                                                      |
| 3           | 118-5398           | 1           | Window                                                 | 12          | 3-2633             | 1           | Spring, Valve, No, EI & NC                                                       |
| 4           | 118-5401           | 1           | Cover W/ Window (Includes Item 3)                      | 13          | 35-9646            | 1           | Filter Assy., Metering, EI, NC                                                   |
| 4           | 118-1813           | 1           | Cover W/O Window                                       | 14          | 89-1054            | 1           | Piston Assy., EI & NC (Includes Item 13)                                         |
| 5           |                    | 1           | Pilot Valve Assy. (See Pilot Valve Assembly Section) ▲ | 15          | 102-0784           | 1           | Rock Screen, 1                                                                   |
| 6           | 118-1815           | 1           | Retainer, Check Valve                                  | 16          | 118-3031           | 1           | Body, W/ Comp, 1 Inch Acme                                                       |
| 7           | 118-1827           | 1           | Check Flow Assy., Vih Communication                    | 17          | 364-1164           | 1           | Plug, Cable Access                                                               |
| 8           | 118-0841SK         | 1           | Gdc Module W/ Solenoid, 1-Station, Golf Body           |             | 118-3651           | 1           | Wire Splice Kit (Includes 2 Gel Caps And 2 Wire Nuts)(Satellite Systems Only) ■● |
| 8           | DEC-ISP-1GB        | 1           | Gdc Module W/O Solenoid, 1-Station, Golf Body          |             | 102-0624           | 1           | Valve Assy., 1 Inch, Electric (Includes Items 11-14) ■●                          |
| 9           | 118-7149SK         | 1           | Lsm, 1-Station, Golf Body, Inf W/ Solenoid             |             | 118-1844           | 1           | Valve Insertion Tool, 1 Inch ■●                                                  |
| 9           | LSM-1              | 1           | Lsm Module, Inf W/O Solenoid, 1-Station, Golf Body     |             |                    |             |                                                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Golf Sprinkler Body, 1.5" - 600 and 700 Series





# Golf Sprinkler Body, 1.5" - 600 and 700 Series (continued)

| Ref. | Part Number | Qty. | Description                                      | Ref. | Part Number | Qty. | Description                                            |
|------|-------------|------|--------------------------------------------------|------|-------------|------|--------------------------------------------------------|
| 1    | 3-3389      | 1    | Electric W/O Vih, Npt ♦                          | 6    | 3-3311      | 1    | Spring-Valve, Com, Black                               |
| 1    | 3-3343      | 1    | Hydraulic No W/O Vih, Npt ♦                      | 7    | 35-9645     | 1    | Filter Assy., Metering, EI & NC                        |
| 1    | 9-1257      | 1    | Com W/O Vih, Npt (Includes Items 1, 2 And 12) ♦  | 8    | 102-6311    | 1    | Piston Assy., Valve, No And Com                        |
| 1    | 35-5362     | 1    | Electric W/O Vih, BSP (Includes Items 1-3) □     | 8    | 102-5101    | 1    | Piston Assy., EI (Includes Item 7)                     |
| 1    | 35-5322     | 1    | Com W/O Vih, BSP (Includes Items 1, 2 & 12) □    | 9    | 35-7663     | 1    | Adapter, Pilot Valve To Body                           |
| 1    | 35-5245     |      | Hydraulic No W/O Vih, BSP □                      | 10   |             | 1    | Pilot Valve Assy. (See Pilot Valve Assembly Section) ▲ |
| 1    | 89-8646     | 1    | Electric W/O Vih, Acme ○                         | 11   | 3-2696      | 2    | Screw-Tap, #8                                          |
| 1    | 89-8652     | 1    | Com W/O Vih, Acme (Includes Items 1, 2 And 12) ○ | 12   | 9-2623      | 1    | Tube, 1/4, 8" EI                                       |
| 2    | 900-40      | 1    | Retainer, Tube ▶                                 | 12   | 9-1876      | 1    | Tube, 1/4, 12", Com                                    |
| 3    | 89-8157     | 1    | Cap, 1/4                                         | 13   | 102-6530    | 1    | Filter Assy., Non-Metering, No/Com                     |
| 4    | 3-3304      | 1    | Snap Ring, Valve                                 |      | 102-6310    | 1    | Valve Assy., No (Includes Items 5, 6, 8 And 13) ■●     |
| 5    | 9-1479      | 1    | Cylinder ASM, No, Com And Drain Valve            |      | 102-6309    | 1    | Valve Assy., Com (Includes Items 5, 6, 8 And 13) ■●    |
| 5    | 102-6142    | 1    | Cylinder Assy., EI And No/Com                    |      | 102-4003    |      | Valve Assy., EI (Includes Items 5-8) ■●                |
| 6    | 102-6411    | 1    | Spring, Valve, EI/No, Silver                     |      | 9-6002      | 1    | Adapter-Tubing, Threaded, 1/4 ■●                       |

● SERVICE ITEMS

▲ Not serviced separately

□ 1.5 Inch BSP Body Style

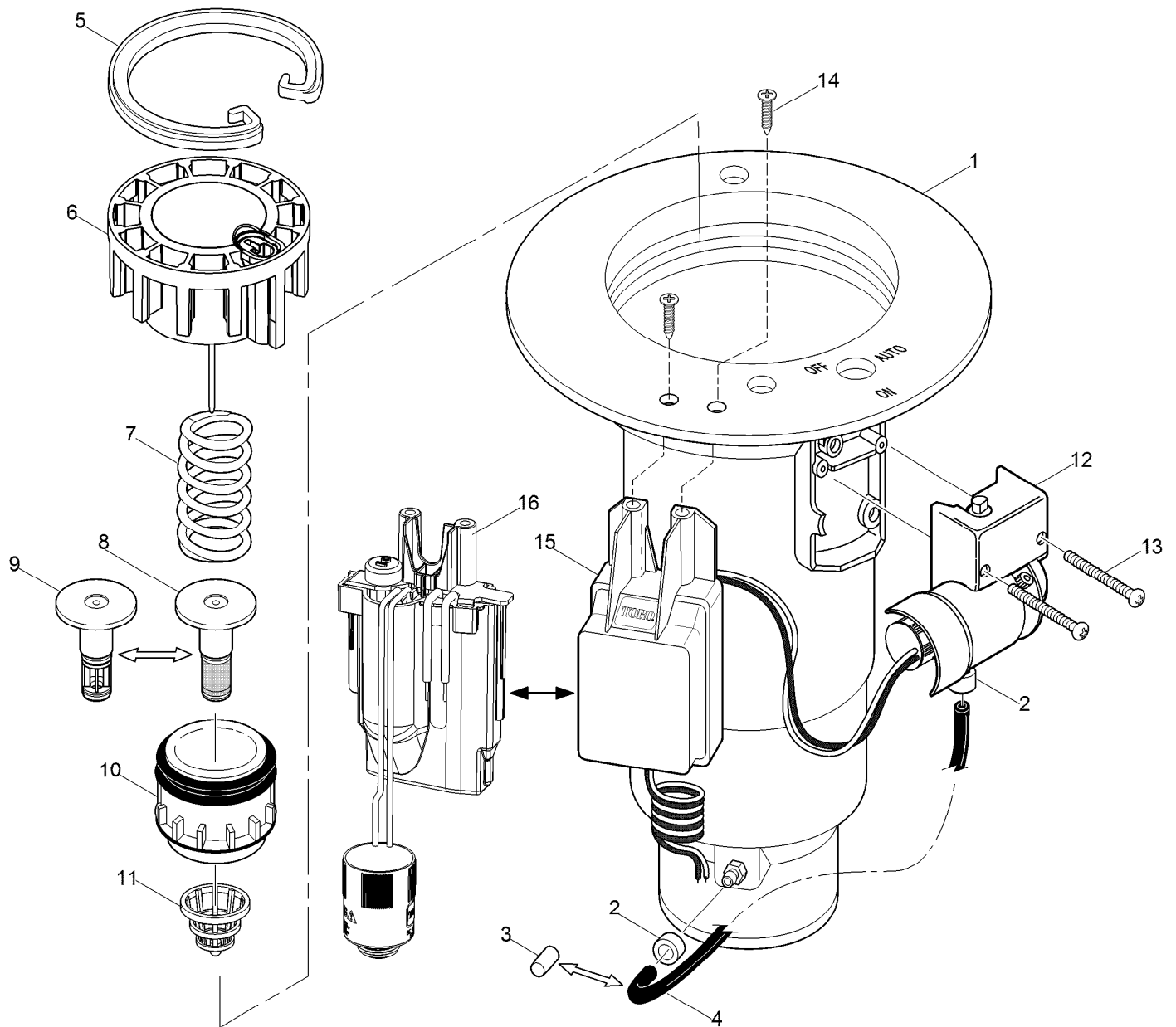
▶ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

♦ 1.5 Inch NPT Body Style

○ 1.5 Inch ACME Body Style

# Golf Sprinkler Body, 1.5" - Flex, 800S and DT



# Golf Sprinkler Body, 1.5" - Flex, 800S and DT (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                         |
|-------------|--------------------|-------------|-------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------|
| 1           | 102-1149           | 1           | Electric W/O Vih, Npt ♦                               | 9           | 102-6530           | 1           | Filter Assy., Non-Metering, No/Com                         |
| 1           | 102-1143           | 1           | Hydraulic No W/O Vih, Npt ♦                           | 10          | 102-6311           | 1           | Piston Assy., Valve, No And Com                            |
| 1           | 102-1151           | 1           | Electric W/O Vih, BSP (Includes Items 1 And 2) □      | 10          | 102-5101           | 1           | Piston Assy., El                                           |
| 1           | 102-1139           | 1           | Com W/O Vih (Includes Items 1, 2 & 4) □               | 11          | 102-6065           | 1           | Rock Screen, 1.5 Inch                                      |
| 1           | 102-1145           | 1           | Hydraulic No W/O Vih, BSP □                           | 12          |                    | 1           | Pilot Valve Assy., (See Pilot Valve Assembly Section.) ▶▲  |
| 1           | 118-1135           | 1           | Body Assy., 1.5" BSP (For Gdc/Lsm Equipped Models) □  | 13          | 3-2696             | 2           | Screw-Tap, #8                                              |
| 1           | 102-1153           | 1           | Electric W/O Vih, Acme ○                              | 14          | 363-6396           | 2           | Screw (For Gdc/Lsm Equipped Models)                        |
| 1           | 118-1136           | 1           | Body Assy., 1.5" Acme (For Decoder Equipped Models) ○ | 15          | DEC-ISP-1GB        | 1           | Gdc Module W/O Solenoid                                    |
| 2           | 900-40             | 2           | Retainer, Tube +                                      | 15          | 118-0841SK         | 1           | Gdc Module W/ Solenoid, 1-Station, Golf Body               |
| 3           | 89-8157            | 1           | Cap, 1/4                                              | 16          | 118-7150SK         | 1           | Lsm Module, Flx W/ Solenoid, 1-Station, Golf Body          |
| 4           | 9-2623             | 1           | Tube, 1/4, 8" El                                      | 16          | 118-4759SK         | 1           | Lsm, 1-Station, Golf Body, Flx, W/O Solenoid               |
| 4           | 9-2624             | 1           | Tube, 1/4, 14" Com                                    |             | 102-6309           | 1           | Valve Assy., Com (Includes Items 6, 7, 9 And 10) ●■        |
| 5           | 3-3304             | 1           | Snap Ring, Valve                                      |             | 102-6310           | 1           | Valve Assy., No (Includes Items 6, 7, 9 And 10) ●■         |
| 6           | 102-6142           | 1           | Cylinder Assy., El And No/Com                         |             | 102-4003           | 1           | Valve Assy., 1.5" Elec. (Includes Items 6, 7, 8 And 10) ●■ |
| 7           | 102-6411           | 1           | Spring, Valve, El/No, Silver                          |             |                    |             |                                                            |
| 7           | 3-3311             | 1           | Spring-Valve, Com, Black                              |             |                    |             |                                                            |
| 8           | 35-9645            | 1           | Filter Assy., Metering, El & NC                       |             |                    |             |                                                            |

● SERVICE ITEMS

▲ Not serviced separately

□ 1.5 Inch BSP Body Style

▶ See Pilot Valve Assembly Section.

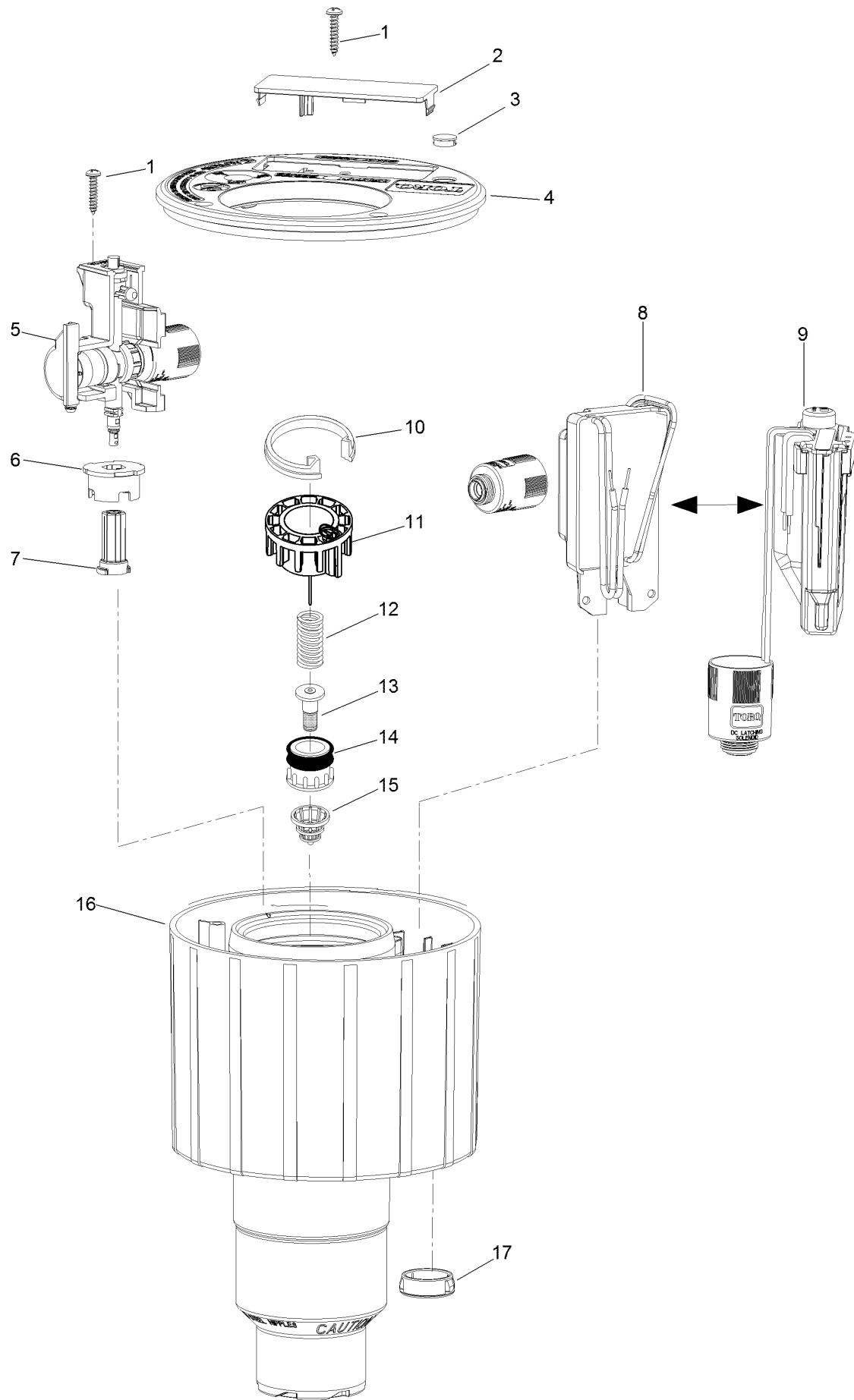
+ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

♦ 1.5 Inch NPT Body Style

○ 1.5 Inch ACME Body Style

# Golf Sprinkler Body, 1.5" - INFINITY Series



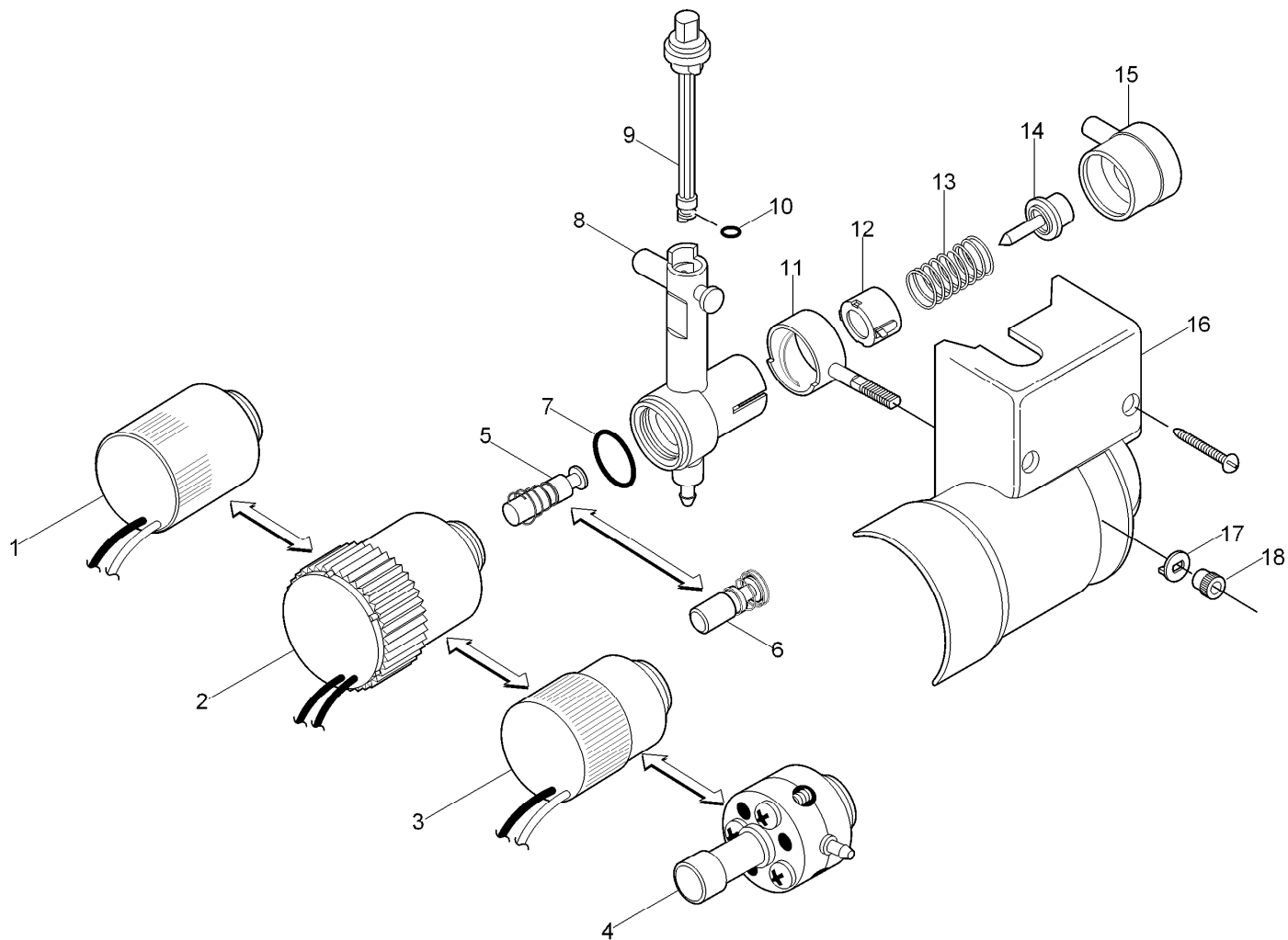
## Golf Sprinkler Body, 1.5" - INFINITY Series (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               |
|-------------|--------------------|-------------|---------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------------|
| 1           | 363-6875           | 1           | Screw, Tap, 10-12 X 1.00                                | 10          | 3-3304             | 1           | Snap Ring, Valve                                                                 |
| 2           | 118-1840           | 1           | Marker, Blank                                           | 11          | 102-6142           | 1           | Cylinder Assy., El And No/Com                                                    |
| 3           | 118-5398           | 1           | Window                                                  | 12          | 102-6411           | 1           | Spring, Valve, El/No, Silver                                                     |
| 4           | 118-5401           | 1           | Cover W/ Window (Includes Item 3)                       | 13          | 35-9645            | 1           | Filter Assy., Metering, El & NC                                                  |
| 4           | 118-1813           | 1           | Cover W/O Window                                        | 14          | 102-5101           | 1           | Piston Assy., El                                                                 |
| 5           |                    | 1           | Pilot Valve Assy. (See Pilot Valve Assembly Section.) ▲ | 15          | 102-6065           | 1           | Rock Screen, 1.5 Inch                                                            |
| 6           | 118-1815           | 1           | Retainer, Check Valve                                   | 16          | 118-3030           | 1           | Body, W/ Comp, 1.5 Inch                                                          |
| 7           | 118-1827           | 1           | Check Flow Assy., Vih Communication                     | 17          | 364-1164           | 1           | Plug, Cable Access                                                               |
| 8           | 118-0841SK         | 1           | Gdc Module W/ Solenoid, 1-Station, Golf Body            |             | 118-3651           | 1           | Wire Splice Kit (Includes 2 Gel Caps And 2 Wire Nuts)(Satellite Systems Only) ■● |
| 8           | DEC-ISP-1GB        | 1           | Gdc Module W/O Solenoid, 1-Station, Golf Body           |             | 102-4003           | 1           | Valve Assy., 1.5 Inch, Electric (Includes Items 11-14) ■●                        |
| 9           | 118-7149SK         | 1           | Lsm, 1-Station, Golf Body, Inf W/ Solenoid              |             | 118-1843           | 1           | Valve Insertion Tool, 1.5 Inch ■●                                                |
| 9           | LSM-1              | 1           | Lsm Module, Flx W/O Solenoid, 1-Station, Golf Body      |             |                    |             |                                                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

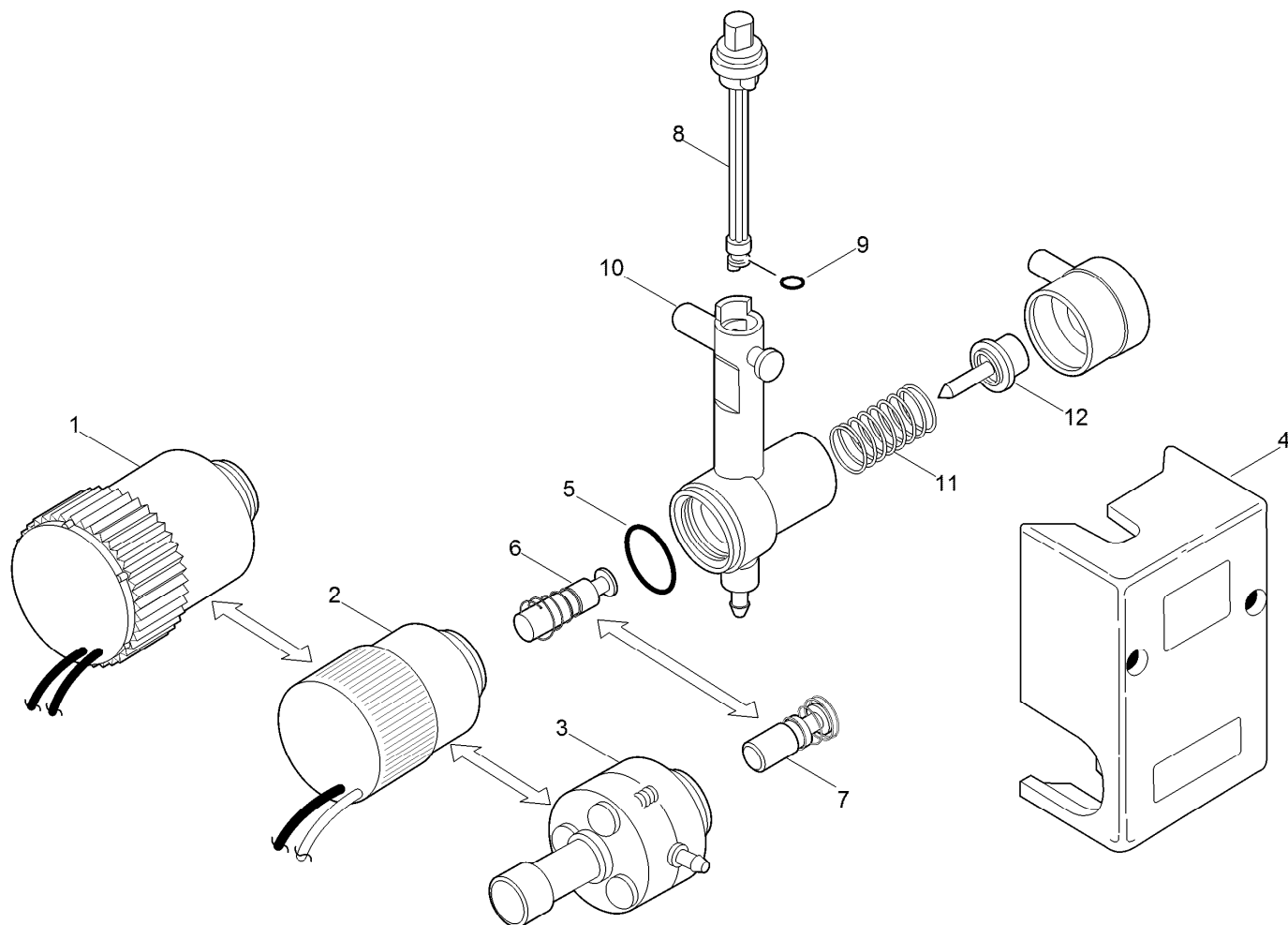
■ Not illustrated

# Pilot Valve, Select Pressure, 2004-03/2019



# Pilot Valve, Select Pressure, 2004-03/2019 (continued)

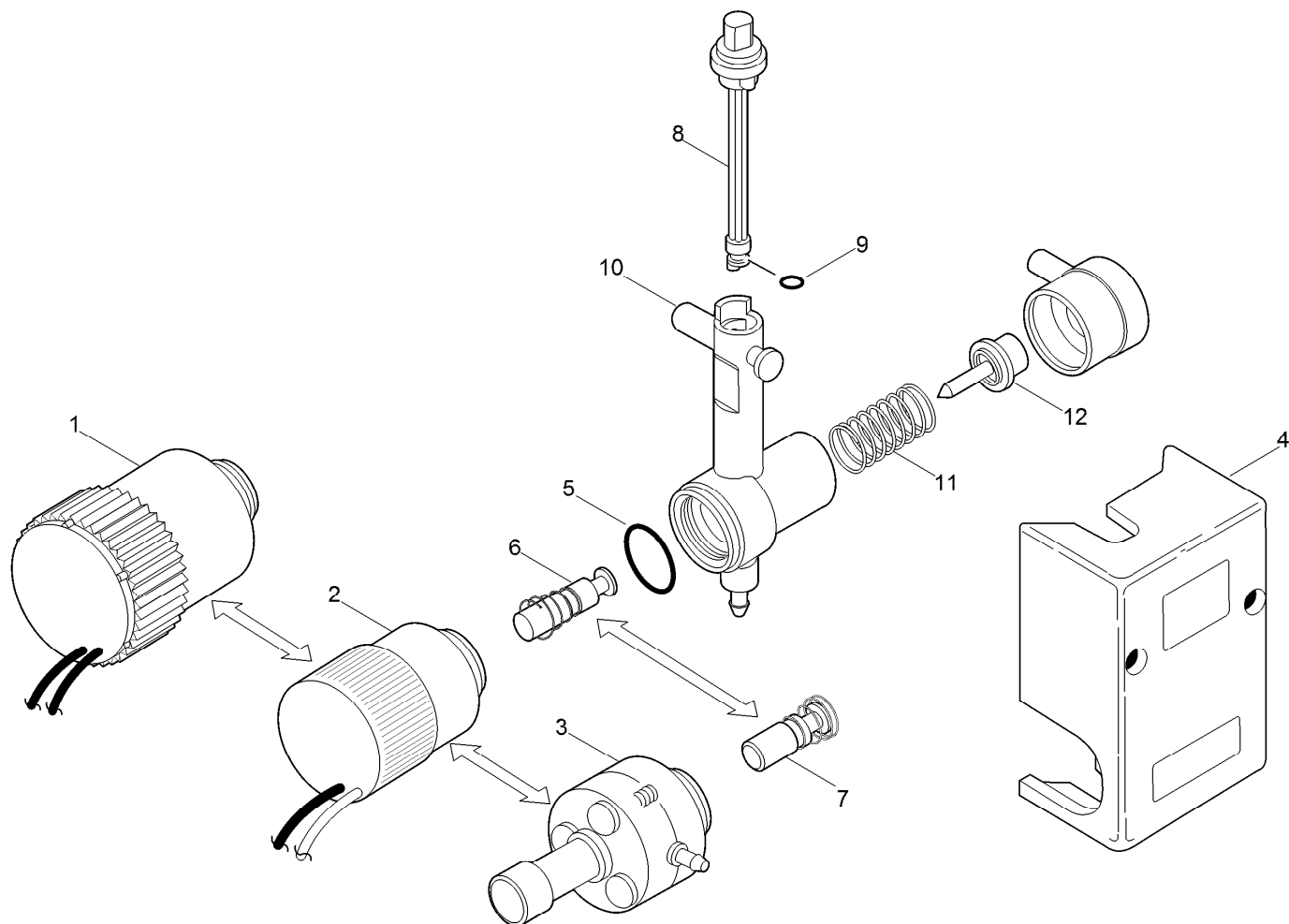
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                                                                         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                                                                                        |
|-------------|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)                                                                                            | 118-6168    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure W/ Standard Watt And Surge Solenoid (Includes Items 3, 5, 7, 8 [118-6608], 9 [102-4831] And 10-18. ■●                      |
| 2           | 102-3443           | 1           | Solenoid-Low Wattage, W/Surge Protection (Black Wires)                                                                                                     | 118-6736    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure W/ Normally Closed Actuator (Includes Items 4, 6-8 [118-6608], 9 [102-4831] And 10-18. ■●                                  |
| 2           | 102-3444           | 1           | Solenoid-Low Wattage, W/Surge Protection, Nickel Plated (Red Wires)                                                                                        | 118-6166    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure W/ Low Watt/High Surge Nickel Plated Solenoid (Includes Items 2 [102-3444], 5, 7, 8 [118-6608], 9 [102-4831] And 10-18. ■● |
| 2           | 102-4979           | 1           | Solenoid-Standard Wattage W/Surge Protection (Yellow Wires)                                                                                                | 118-6165    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure W/ Standard Watt/High Surge Solenoid (Includes Items 2 [102-4979], 5, 7, 8 [118-6608], 9 [102-4831] And 10-18. ■●          |
| 3           | 118-0248           | 1           | Solenoid, Standard Wattage Series (Red & Black Wires)                                                                                                      | 118-6164    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure W/ DC Latching Solenoid (Includes Items 1, 5, 7, 8 [118-6608], 9 [102-4831] And 10-18. ■●                                  |
| 4           | 89-6005            | 1           | Adapter-Pilot Valve, NC                                                                                                                                    | 118-6167    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure Less Solenoid (Includes Items 5, 7, 8 [118-6608], 9 [102-4831] And 10-18.) ■●                                              |
| 5           | 102-7690           | 1           | Plunger Assy., EI                                                                                                                                          | 118-6163    | 1                  | 1           | Pilot Valve Assy., Sealed, Selectable Pressure, Less Solenoid, Auto-On-Off (Includes Items 5, 7, 8 [118-6737], 9 [102-0343] And 10-18. ■●                                 |
| 6           | 89-6003            | 1           | Plunger ASM, NC                                                                                                                                            | 118-0841SK  | 1                  | 1           | Gdc Module W/ Solenoid, 1-Station, Golf Body ■●                                                                                                                           |
| 7           | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                                                                                                 | 118-7150SK  | 1                  | 1           | Lsm Module, Flx W/ Solenoid, 1-Station, Golf Body ■●                                                                                                                      |
| 8           | 102-4747           | 1           | Body Assy., Pilot Valve, Beige                                                                                                                             |             |                    |             |                                                                                                                                                                           |
| 8           | 118-6163           | 1           | Body Assy., Pilot Valve, Blue Selector Cam, Black (Includes Item 10)                                                                                       |             |                    |             |                                                                                                                                                                           |
| 9           | 102-0343           | 1           | Selector Cam, Black (Includes Item 10)                                                                                                                     |             |                    |             |                                                                                                                                                                           |
| 9           | 102-4831           | 1           | Selector Cam, Red (Includes Item 10)                                                                                                                       |             |                    |             |                                                                                                                                                                           |
| 10          | 1-2035             | 1           | O-Ring, EI, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006)                                                                                               |             |                    |             |                                                                                                                                                                           |
| 11          | 102-2237           | 1           | Adjuster, PSI                                                                                                                                              |             |                    |             |                                                                                                                                                                           |
| 12          | 102-2236           | 1           | Traveling Nut                                                                                                                                              |             |                    |             |                                                                                                                                                                           |
| 13          | 102-2235           | 1           | Spring                                                                                                                                                     |             |                    |             |                                                                                                                                                                           |
| 14          | 102-2469           | 1           | Piston                                                                                                                                                     |             |                    |             |                                                                                                                                                                           |
| 15          | 102-2473           | 1           | Diaphragm Assy.                                                                                                                                            |             |                    |             |                                                                                                                                                                           |
| 16          | 118-7180           | 1           | Housing, Pilot Valve                                                                                                                                       |             |                    |             |                                                                                                                                                                           |
| 17          | 102-2606           | 1           | Adjustment Locator                                                                                                                                         |             |                    |             |                                                                                                                                                                           |
| 18          | 363-4441           | 1           | Nut, Adjuster                                                                                                                                              |             |                    |             |                                                                                                                                                                           |
|             | 118-3747           | 1           | Pilot Valve Assy., Sealed, Selectable Pressure W/ Low Watt/High Surge Solenoid (Includes Items 2[102-3443], 5, 7, 8 [118-6608], 9 [102-4831] And 10-18. ■● |             |                    |             |                                                                                                                                                                           |



## Pilot Valve, Fixed Pressure - 600 and 700 Series

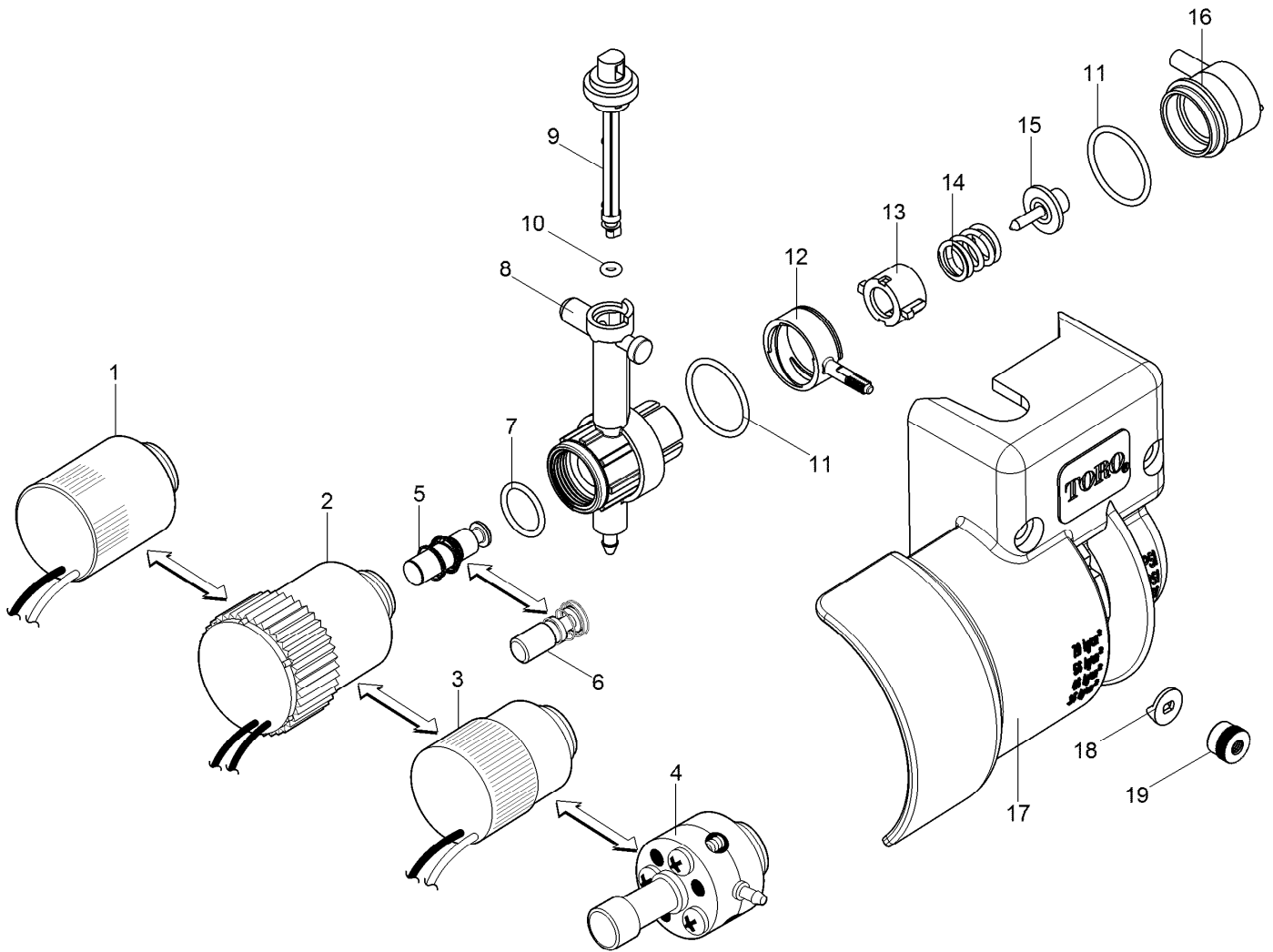
| Ref. | Part Number | Qty. | Description                                                                      |
|------|-------------|------|----------------------------------------------------------------------------------|
| 1    | 102-3443    | 1    | Solenoid-Low Wattage, W/Surge Protection (Black Wires)                           |
| 1    | 102-3444    | 1    | Solenoid-Low Wattage, W/Surge Protection, Nickel Plated (Red Wires)              |
| 1    | 102-2709    | 1    | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)                  |
| 2    | 118-0248    | 1    | Solenoid, Standard Wattage Series (Red & Black Wires)                            |
| 3    | 89-6005     | 1    | Adapter-Pilot Valve, NC                                                          |
| 4    | 89-0001     | 1    | Housing-Pilot Valve                                                              |
| 5    | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                       |
| 6    | 102-7690    | 1    | Plunger Assy., EI                                                                |
| 7    | 89-6003     | 1    | Plunger ASM, NC                                                                  |
| 8    | 102-0343    | 1    | Selector Cam, Black (Includes Item 9)                                            |
| 9    | 1-2035      | 1    | O-Ring, EI, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006)                     |
| 10   | 118-6163    | 1    | Body Assy., Pilot Valve (Cross-Reference W/ New Pilot Valve Assy., W/O Solenoid) |
| 11   | 35-9972     | 1    | Spring, 80 Psi, Red                                                              |
| 11   | 35-9973     | 1    | Spring, 100 Psi, Blue                                                            |
| 12   | 89-0029     | 1    | Piston                                                                           |





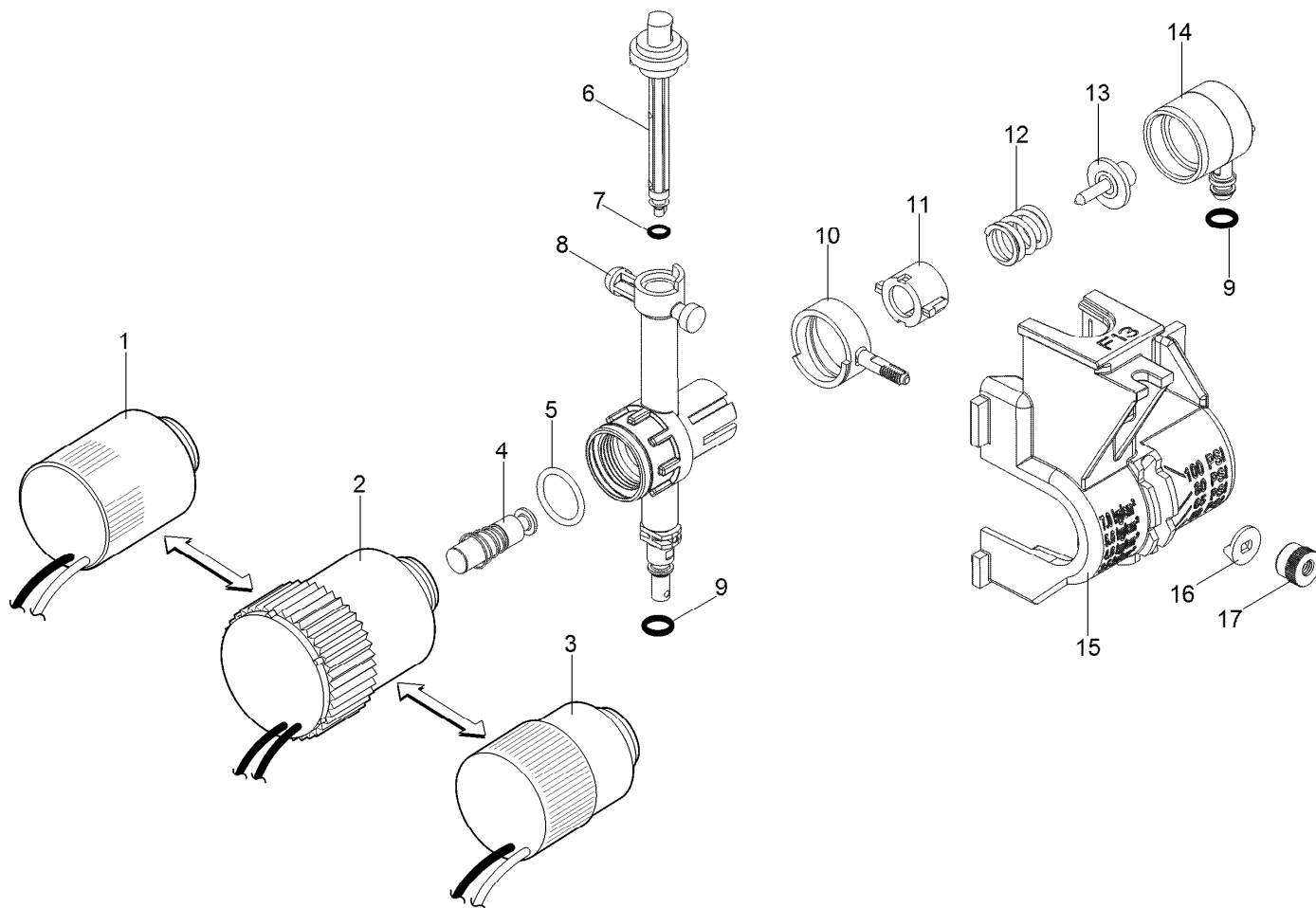
**Pilot Valve, Fixed Pressure - 600 and 700 Series (continued)**

# Pilot Valve, FLEX, Select Pressure, 04/2019-Present



# Pilot Valve, FLEX, Select Pressure, 04/2019-Present (continued)

| Ref. | Part Number | Qty. | Description                                                                                                                                                 | Ref.     | Part Number | Qty. | Description                                                                                                                                                                |
|------|-------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 102-2709    | 1    | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)                                                                                             | 118-6168 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure W/ Standard Watt & Surge Solenoid (Includes Items 3, 5, 7, 8 [118-6608], 9 [102-4831] And 10-19. ■●                         |
| 2    | 102-3443    | 1    | Solenoid-Low Wattage, W/Surge Protection (Black Wires)                                                                                                      | 118-6736 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure W/ Normally Closed Actuator (Includes Items 4, 6-8 [118-6608], 9 [102-4831] And 10-19. ■●                                   |
| 2    | 102-3444    | 1    | Solenoid-Low Wattage, W/Surge Protection, Nickel Plated (Red Wires)                                                                                         | 118-6166 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure W/ Low Watt/High Surge, Nickel Plated Solenoid (Includes Items 2 [102-3444], 5, 7, 8 [118-6608], 9 [102-4831] And 10-19. ■● |
| 2    | 102-4979    | 1    | Solenoid-Standard Wattage W/Surge Protection (Yellow Wires)                                                                                                 | 118-6165 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure W/ Standard Watt/High Surge Solenoid, (Includes Items 2 [102-4979], 5, 7, 8 [118-6608], 9 [102-4831] And 10-19. ■●          |
| 3    | 118-0248    | 1    | Solenoid, Standard Wattage Series (Red & Black Wires)                                                                                                       | 118-6164 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure W/ DC Latching Solenoid (Includes Items 1, 5, 7, 8 [118-6608], 9 [102-4831] And 10-19. ■●                                   |
| 4    | 89-6005     | 1    | Adapter-Pilot Valve, NC                                                                                                                                     | 118-6167 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure Less Solenoid (Includes Items 5, 7, 8 [118-6608], 9 [102-4831] And 10-19.) ■●                                               |
| 5    | 102-7690    | 1    | Plunger Assy., EI                                                                                                                                           | 118-6163 | 1           | 1    | Pilot Valve Assy., Sealed, Selectable Pressure Less Solenoid, Auto-On-Off (Includes Items 5, 7, 8 [118-6737], 9 [102-0343] And 10-19. ■●                                   |
| 6    | 89-6003     | 1    | Plunger ASM, NC                                                                                                                                             |          |             |      |                                                                                                                                                                            |
| 7    | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                                                                                                  |          |             |      |                                                                                                                                                                            |
| 8    | 118-6608    | 1    | Body Assy., Pilot Valve, Beige                                                                                                                              |          |             |      |                                                                                                                                                                            |
| 8    | 118-6737    | 1    | Body Assy., Pilot Valve, Blue, Auto-On-Off                                                                                                                  |          |             |      |                                                                                                                                                                            |
| 9    | 102-0343    | 1    | Selector Cam, Black (Includes Item 10)                                                                                                                      |          |             |      |                                                                                                                                                                            |
| 9    | 102-4831    | 1    | Selector Cam, Red (Includes Item 10)                                                                                                                        |          |             |      |                                                                                                                                                                            |
| 10   | 1-2035      | 1    | O-Ring, EI, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006)                                                                                                |          |             |      |                                                                                                                                                                            |
| 11   | 102-5978    | 2    | O-Ring, Nozzle Housing                                                                                                                                      |          |             |      |                                                                                                                                                                            |
| 12   | 118-3746    | 1    | Adjuster, PSI                                                                                                                                               |          |             |      |                                                                                                                                                                            |
| 13   | 118-6317    | 1    | Traveling Nut                                                                                                                                               |          |             |      |                                                                                                                                                                            |
| 14   | 102-2235    | 1    | Spring                                                                                                                                                      |          |             |      |                                                                                                                                                                            |
| 15   | 102-2469    | 1    | Piston                                                                                                                                                      |          |             |      |                                                                                                                                                                            |
| 16   | 118-3743    | 1    | Diaphragm Assy.                                                                                                                                             |          |             |      |                                                                                                                                                                            |
| 17   | 118-7180    | 1    | Housing, Pilot Valve                                                                                                                                        |          |             |      |                                                                                                                                                                            |
| 18   | 102-2606    | 1    | Adjustment Locator                                                                                                                                          |          |             |      |                                                                                                                                                                            |
| 19   | 363-4441    | 1    | Nut, Adjuster                                                                                                                                               |          |             |      |                                                                                                                                                                            |
|      | 118-3747    | 1    | Pilot Valve Assy., Sealed, Selectable Pressure W/ Low Watt/High Surge Solenoid (Includes Items 2 [102-3443], 5, 7, 8 [118-6608], 9 [102-4831] And 10-19. ■● |          |             |      |                                                                                                                                                                            |



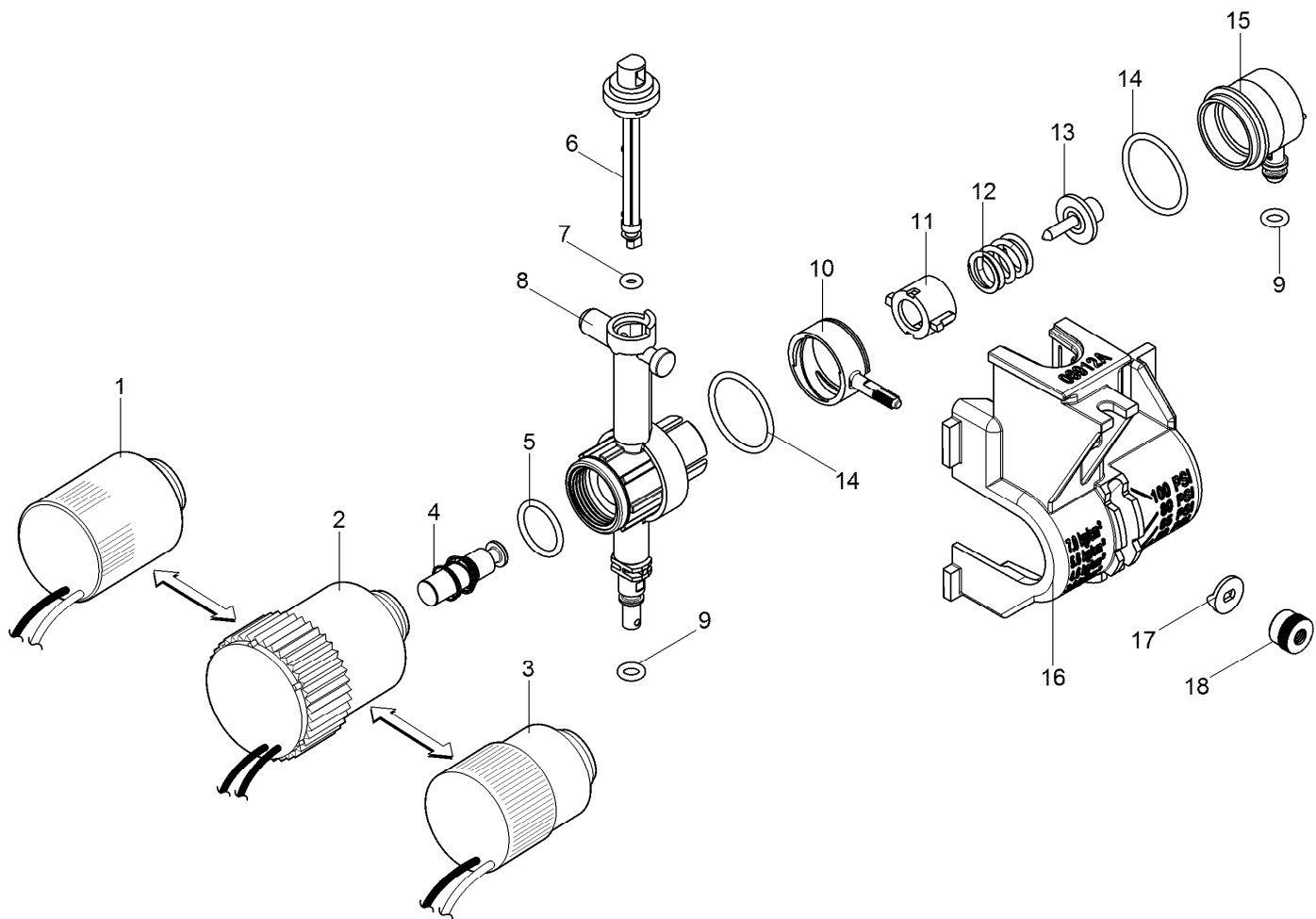
## Pilot Valve, INFINITY Series, 2014-7/2019

| Ref. | Part Number | Qty. | Description                                                         |
|------|-------------|------|---------------------------------------------------------------------|
| 1    | 102-2709    | 1    | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)     |
| 2    | 102-3443    | 1    | Solenoid-Low Wattage, W/Surge Protection (Black Wires)              |
| 2    | 102-3444    | 1    | Solenoid-Low Wattage, W/Surge Protection, Nickel Plated (Red Wires) |
| 2    | 102-4979    | 1    | Solenoid-Standard Wattage W/Surge Protection (Yellow Wires)         |
| 3    | 118-0248    | 1    | Solenoid, Standard Wattage Series (Red & Black Wires)               |
| 4    | 102-7690    | 1    | Plunger Assy., EI                                                   |
| 5    | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                          |
| 6    | 102-4831    | 1    | Selector Cam, Red (Includes Item 7)                                 |
| 7    | 1-2035      | 1    | O-Ring, EI, Pr And Cr (0.070                                        |
| 8    | 118-3711    | 1    | Body Assy., Pilot Valve                                             |
| 9    | 2-9654      | 2    | O-Ring                                                              |

| Ref. | Part Number | Qty. | Description                                          |
|------|-------------|------|------------------------------------------------------|
| 10   | 102-2237    | 1    | Adjuster, PSI                                        |
| 11   | 102-2236    | 1    | Traveling Nut                                        |
| 12   | 102-2235    | 1    | Spring                                               |
| 13   | 102-2469    | 1    | Piston                                               |
| 14   | 118-1825    | 1    | Diaphragm Assy.                                      |
| 15   | 118-7181    | 1    | Housing, Pilot Valve, Infinity                       |
| 16   | 102-2606    | 1    | Adjustment Locator                                   |
| 17   | 363-4441    | 1    | Nut, Adjuster                                        |
|      | 118-7184    | 1    | Pilot Valve, W/ Spike-Guard Solenoid ■●              |
|      | 118-6520    | 1    | Pilot Valve W/O Solenoid ■●                          |
|      | 118-6521    | 1    | Pilot Valve W/ Nickel Plated Spike-Guard Solenoid ■● |
|      | 118-6522    | 1    | Pilot Valve W/ DC Latching Solenoid ■●               |
|      | 118-6523    | 1    | Pilot Valve W/ 600/700 Solenoid ■●                   |
|      | 118-0841SK  | 1    | Gdc Module W/ Solenoid, 1-Station, Golf Body ■●      |
|      | 118-7149SK  | 1    | Lsm, 1-Station, Golf Body, Inf W/ Solenoid ■●        |

● SERVICE ITEMS

■ Not illustrated



## Pilot Valve, INFINITY, 07/2019-Present

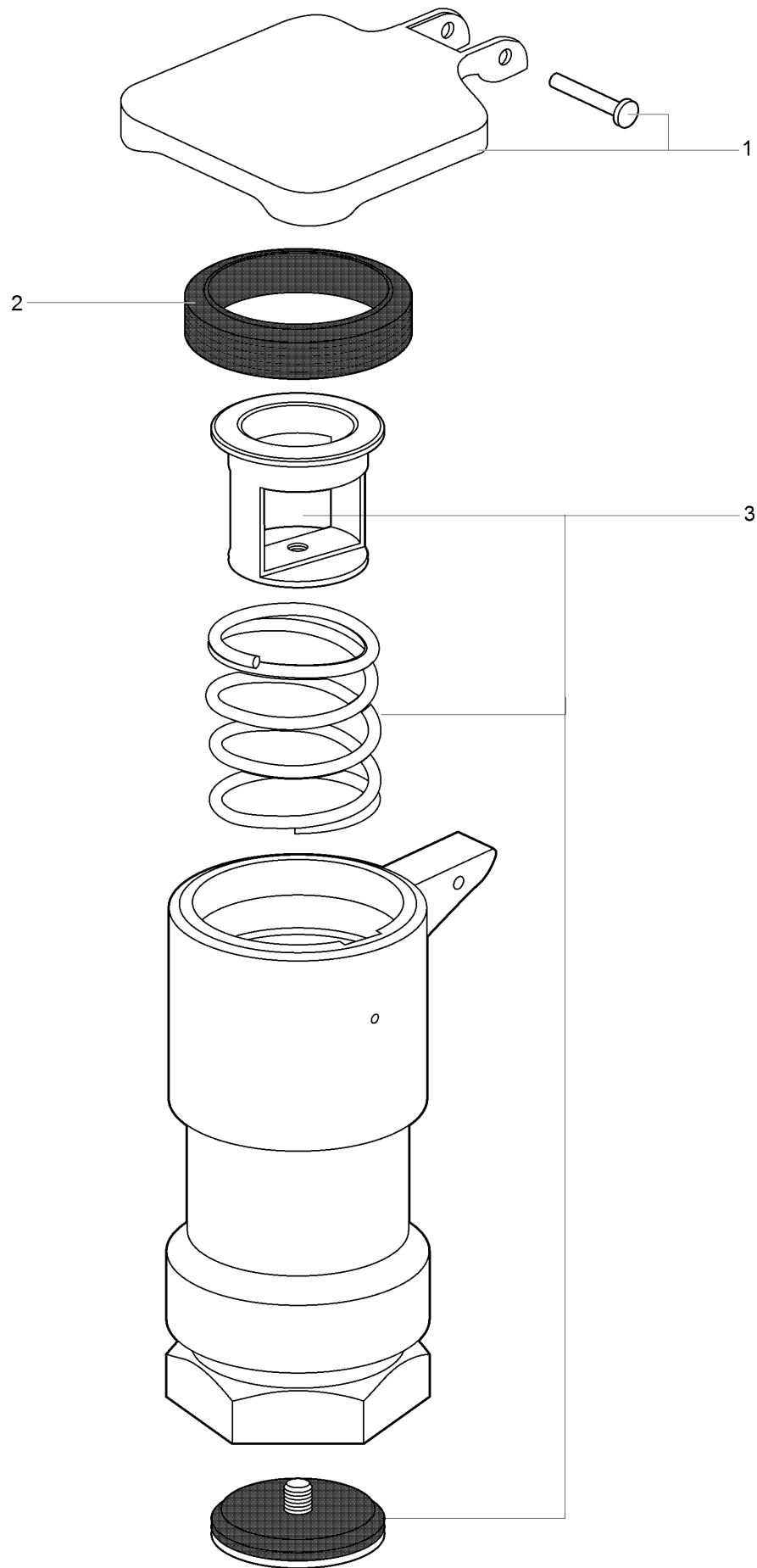
| Ref. | Part Number | Qty. | Description                                                         |
|------|-------------|------|---------------------------------------------------------------------|
| 1    | 102-2709    | 1    | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)     |
| 2    | 102-3443    | 1    | Solenoid-Low Wattage, W/Surge Protection (Black Wires)              |
| 2    | 102-3444    | 1    | Solenoid-Low Wattage, W/Surge Protection, Nickel Plated (Red Wires) |
| 2    | 102-4979    | 1    | Solenoid-Standard Wattage W/Surge Protection (Yellow Wires)         |
| 3    | 118-0248    | 1    | Solenoid, Standard Wattage Series (Red & Black Wires)               |
| 4    | 102-7690    | 1    | Plunger Assy., EI                                                   |
| 5    | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                          |
| 6    | 102-4831    | 1    | Selector Cam, Red (Includes Item 7)                                 |
| 7    | 1-2035      | 1    | O-Ring, EI, Pr And Cr (0.070                                        |
| 8    | 118-6609    | 1    | Body Assy., Pilot Valve                                             |
| 9    | 2-9654      | 2    | O-Ring                                                              |

| Ref. | Part Number | Qty. | Description                                          |
|------|-------------|------|------------------------------------------------------|
| 10   | 118-3746    | 1    | Adjuster, PSI                                        |
| 11   | 118-6317    | 1    | Traveling Nut                                        |
| 12   | 102-2235    | 1    | Spring                                               |
| 13   | 102-2469    | 1    | Piston                                               |
| 14   | 102-5978    | 2    | O-Ring, Nozzle Housing                               |
| 15   | 118-4502    | 1    | Diaphragm Assy.                                      |
| 16   | 118-7181    | 1    | Housing, Pilot Valve, Infinity                       |
| 17   | 102-2606    | 1    | Adjustment Locator                                   |
| 18   | 363-4441    | 1    | Nut, Adjuster                                        |
|      | 118-7184    | 1    | Pilot Valve, W/ Spike-Guard Solenoid ■●              |
|      | 118-6520    | 1    | Pilot Valve W/O Solenoid ■●                          |
|      | 118-6521    | 1    | Pilot Valve W/ Nickel Plated Spike-Guard Solenoid ■● |
|      | 118-6522    | 1    | Pilot Valve W/ DC Latching Solenoid ■●               |
|      | 118-6523    | 1    | Pilot Valve W/ 600/700 Solenoid ■●                   |
|      | 118-0841SK  | 1    | Gdc Module W/ Solenoid, 1-Station, Golf Body ■●      |
|      | 118-7149SK  | 1    | Lsm, 1-Station, Golf Body, Inf W/ Solenoid ■●        |

● SERVICE ITEMS

■ Not illustrated

# Quick Coupler



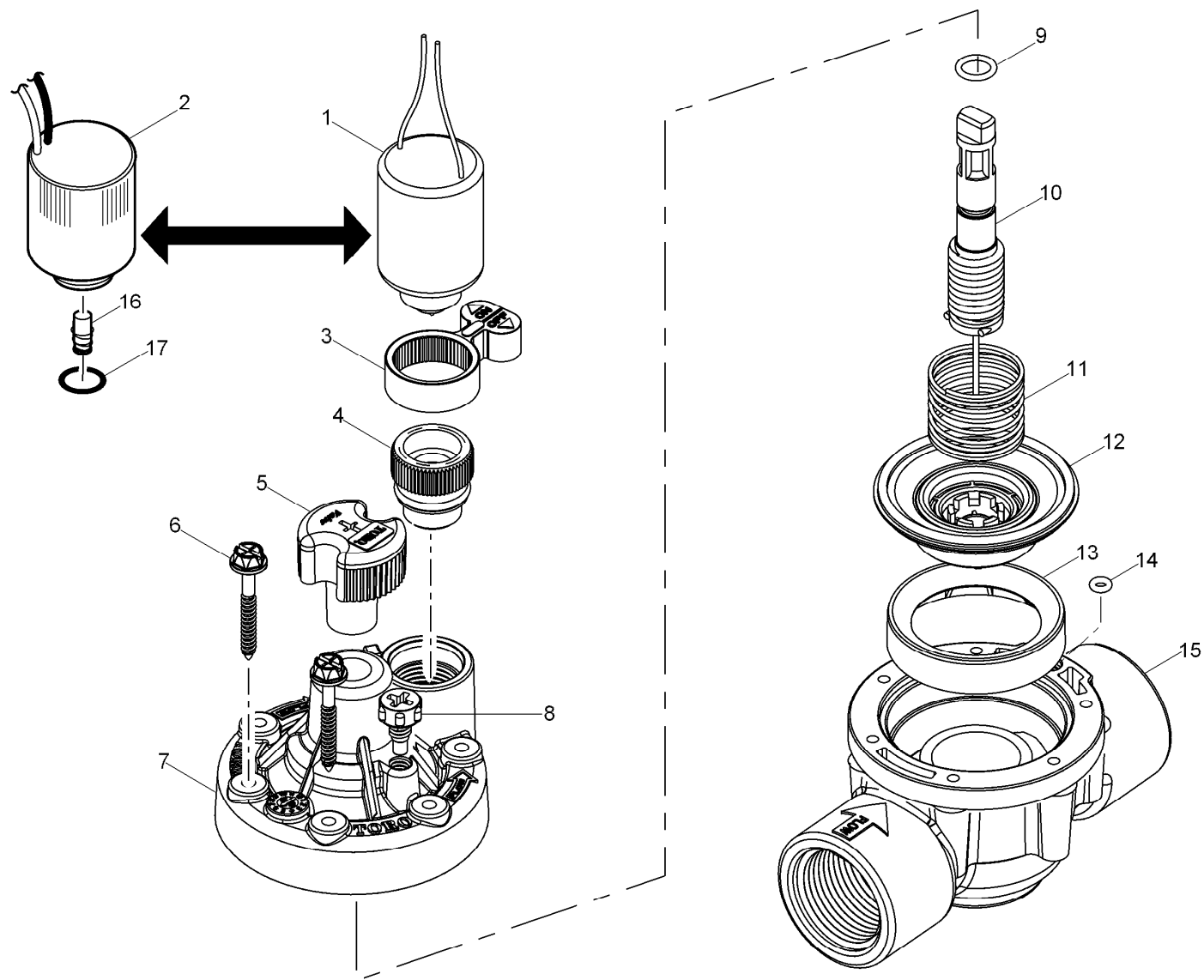
## Quick Coupler (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|--------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 474LIDKITSS        | 1           | Kit, Lid, 1 Inch, Stainless Steel, Non-Locking ■                   | 3           | 475BODYKIT         | 1           | Kit, Body, 1.25 Inch, (Includes Valve Assy. And Item 2 Key Seal) ■ |
| 1           | 474LIDKITV         | 1           | Kit, Lid, 1 Inch, Yellow, Non-Locking ■                            | 3           | 476BODYKIT         | 1           | Kit, Body, 1.5 Inch, (Includes Valve Assy. And Item 2 Key Seal) ■  |
| 1           | 474LIDKITVL        | 1           | Kit, Lid, 1 Inch, Yellow, Locking ■                                |             | 463-01             | 1           | Key, 473Qcvx, 0.5 Inch F X 0.75 Inch M ●■                          |
| 1           | 474LIDKITE         | 1           | Kit, Lid, 1 Inch, Lavender (Effluent), Locking ■                   |             | 464-01             | 1           | Key, 474Qcvx, 0.75 Inch F X 1 Inch M ●■                            |
| 1           | 475LIDKITSS        | 1           | Kit, Lid, 1.25 Inch, Stainless Steel, Non-Locking ■                |             | 464-02             | 1           | Key, 474Qcvx, 1 Inch F ●■                                          |
| 1           | 475LIDKITV         | 1           | Kit, Lid, 1.25 Inch, Yellow, Non-Locking ■                         |             | 464-03             | 1           | Key, Acme Qcvx, 0.75 Inch F X 1 Inch M ●■                          |
| 1           | 475LIDKITE         | 1           | Kit, Lid, 1.25 Inch, Lavender (Effluent), Locking ■                |             | 465-01             | 1           | Key, 475Qcvx, 0.75 Inch F X 1 Inch M ●■                            |
| 1           | 476LIDKITSS        | 1           | Kit, Lid, 1.5 Inch, Stainless Steel, Non-Locking ■                 |             | 466-01             | 1           | Key, 476Qcvx, 1.25 Inch F X 1.5 Inch M ●■                          |
| 1           | 476LIDKITV         | 1           | Kit, Lid, 1.5 Inch, Yellow, Non-Locking ■                          |             | 477-00             | 1           | Hose Swivel, 0.75 Inch Npt X 0.75 Inch Mht ●■                      |
| 1           | 476LIDKITE         | 1           | Kit, Lid, 1.5 Inch, Lavender (Effluent), Locking ■                 |             | 477-01             | 1           | Hose Swivel, 1 Inch Npt X 0.75 Inch Mht ●■                         |
| 2           | 473KEYSEAL         | 1           | Seal, 0.75 Inch ■                                                  |             | 477-02             | 1           | Hose Swivel, 1 Inch Npt X 1 Inch Mht ●■                            |
| 2           | 474KEYSEAL         | 1           | Seal, 1 Inch ■                                                     |             | KEYHANDLE          | 1           | Handle, Qcv Key (10 Handles Per Pack) ●■                           |
| 2           | 475KEYSEAL         | 1           | Seal, 1.25 Inch ■                                                  |             |                    |             |                                                                    |
| 2           | 476KEYSEAL         | 1           | Seal, 1.5 Inch ■                                                   |             |                    |             |                                                                    |
| 3           | 473BODYKIT         | 1           | Kit, Body, 0.75 Inch, (Includes Valve Assy. And Item 2 Key Seal) ■ |             |                    |             |                                                                    |
| 3           | 474BODYKIT         | 1           | Kit, Body, 1 Inch, (Includes Valve Assy. And Item 2 Key Seal) ■    |             |                    |             |                                                                    |

● Not illustrated

■ Order Through Finished Goods Distribution System - Minneapolis

TPV Series Valve, 1 Inch Female

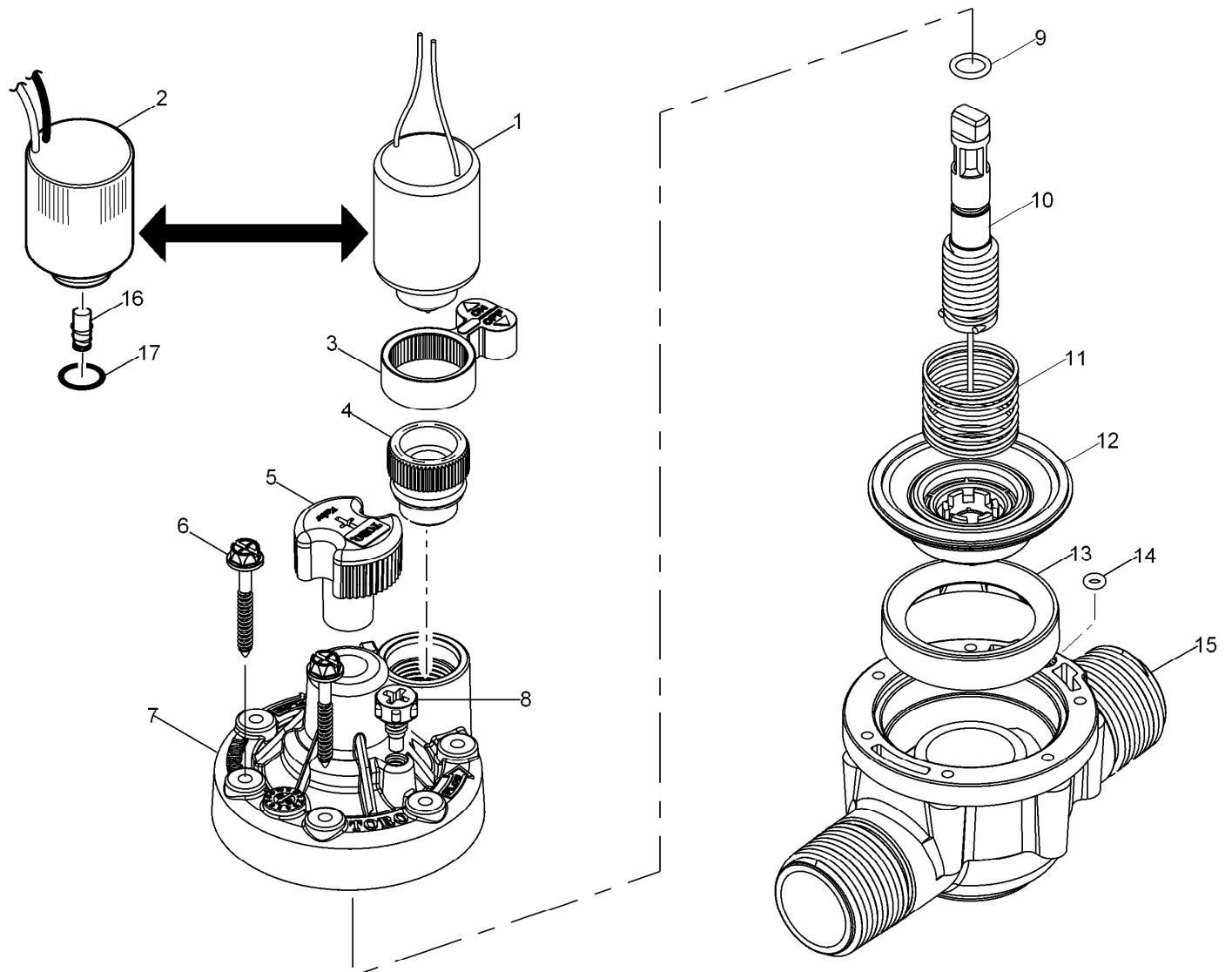




## TPV Series Valve, 1 Inch Female (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                           |
|-------------|--------------------|-------------|-----------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------------|
| 1           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                      | 11          | 153201             | 1           | Spring                                                                       |
| 1           | 102-7054           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                      | 12          | 152201             | 1           | Diaphragm Assy.                                                              |
| 2           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black) | 13          | 1116602            | 1           | Divider (P/N 1116602 Divider [brown] Will Be Changed To P/N 1116601 [black]) |
| 3           | 606902             | 1           | Handle, Bleed Plug                                              | 14          | 531501             | 1           | O-Ring, Body (As568-006)                                                     |
| 4           | 102-5593           | 1           | Bleed Plug Assy.                                                | 15          | 102-6615           | 1           | Body Assy., 1", F X F, Npt                                                   |
| 5           | 102-6622           | 1           | Handle, Flow Control (For Flow Control Models)                  | 15          | 102-6654           | 1           | Body Assy., 1", F X F, BSP                                                   |
| 6           | 102-6644           | 6           | Screw                                                           | 15          | 102-6655           | 1           | Body Assy., 1", S X S                                                        |
| 7           | 102-6621           | 1           | Cover Assy. (W/O Flow Control)                                  | 16          | 118-6446           | 1           | Plunger Assy.                                                                |
| 7           | 102-6620           | 1           | Cover Assy. (For Flow Control Models)                           | 17          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                   |
| 8           | 1081401            | 1           | External Bleed Screw                                            |             | EFF-Kit-60Hz       | 1           | Reclaimed Water Solenoid Kit, Effluent, 60Hz, Domestic ● ■                   |
| 9           | 363-4246           | 1           | O-Ring, Stem Assembly (For Flow Control Models)                 |             | EFF-Kit-50Hz       | 1           | Reclaimed Water Solenoid Kit, Effluent, 50Hz, International ● ■              |
| 10          | 1074701            | 1           | Stem Assembly (For Flow Control Models)                         |             |                    |             |                                                                              |

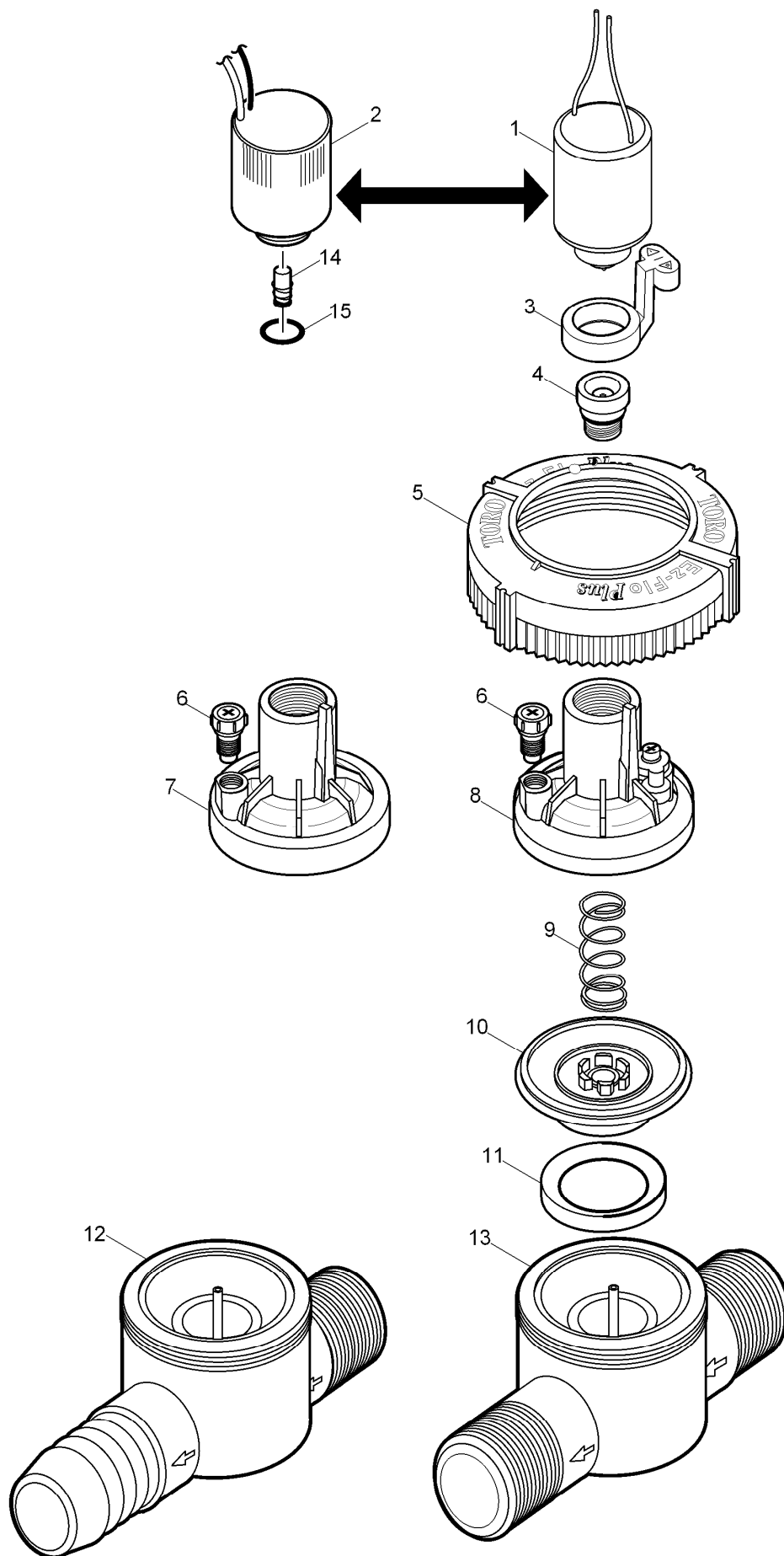
## TPV Series Valve, 1 Inch Male



## TPV Series Valve, 1 Inch Male (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                           |
|-------------|--------------------|-------------|-----------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------------|
| 1           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                      | 11          | 153201             | 1           | Spring                                                                       |
| 1           | 102-7054           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                      | 12          | 152201             | 1           | Diaphragm Assy.                                                              |
| 2           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black) | 13          | 1116602            | 1           | Divider (P/N 1116602 Divider [brown] Will Be Changed To P/N 1116601 [black]) |
| 3           | 606902             | 1           | Handle, Bleed Plug                                              | 14          | 531501             | 1           | O-Ring, Body (As568-006)                                                     |
| 4           | 102-5593           | 1           | Bleed Plug Assy.                                                | 15          | 102-6616           | 1           | Body Assy., 1", M X M, Npt                                                   |
| 5           | 102-6622           | 1           | Handle, Flow Control (For Flow Control Models)                  | 15          | 102-6653           | 1           | Body Assy., 1", M X M, BSP                                                   |
| 6           | 102-6644           | 6           | Screw                                                           | 15          | 102-6617           | 1           | Body Assy., 1", M X B, Npt                                                   |
| 7           | 102-6621           | 1           | Cover Assy. (W/O Flow Control)                                  | 16          | 118-6446           | 1           | Plunger Assy.                                                                |
| 7           | 102-6620           | 1           | Cover Assy. (For Flow Control Models)                           | 17          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                   |
| 8           | 1081401            | 1           | External Bleed Screw                                            |             | EFF-Kit-50Hz       | 1           | Reclaimed Water Solenoid Kit, Effluent, 50Hz, International ●■               |
| 9           | 363-4246           | 1           | O-Ring, Stem Assembly (For Flow Control Models)                 |             | EFF-Kit-60Hz       | 1           | Reclaimed Water Solenoid Kit, Effluent, 60Hz, Domestic ●■                    |
| 10          | 1074701            | 1           | Stem Assembly (For Flow Control Models)                         |             |                    |             |                                                                              |

## EZ-Flo Plus Series, 1 Inch Male

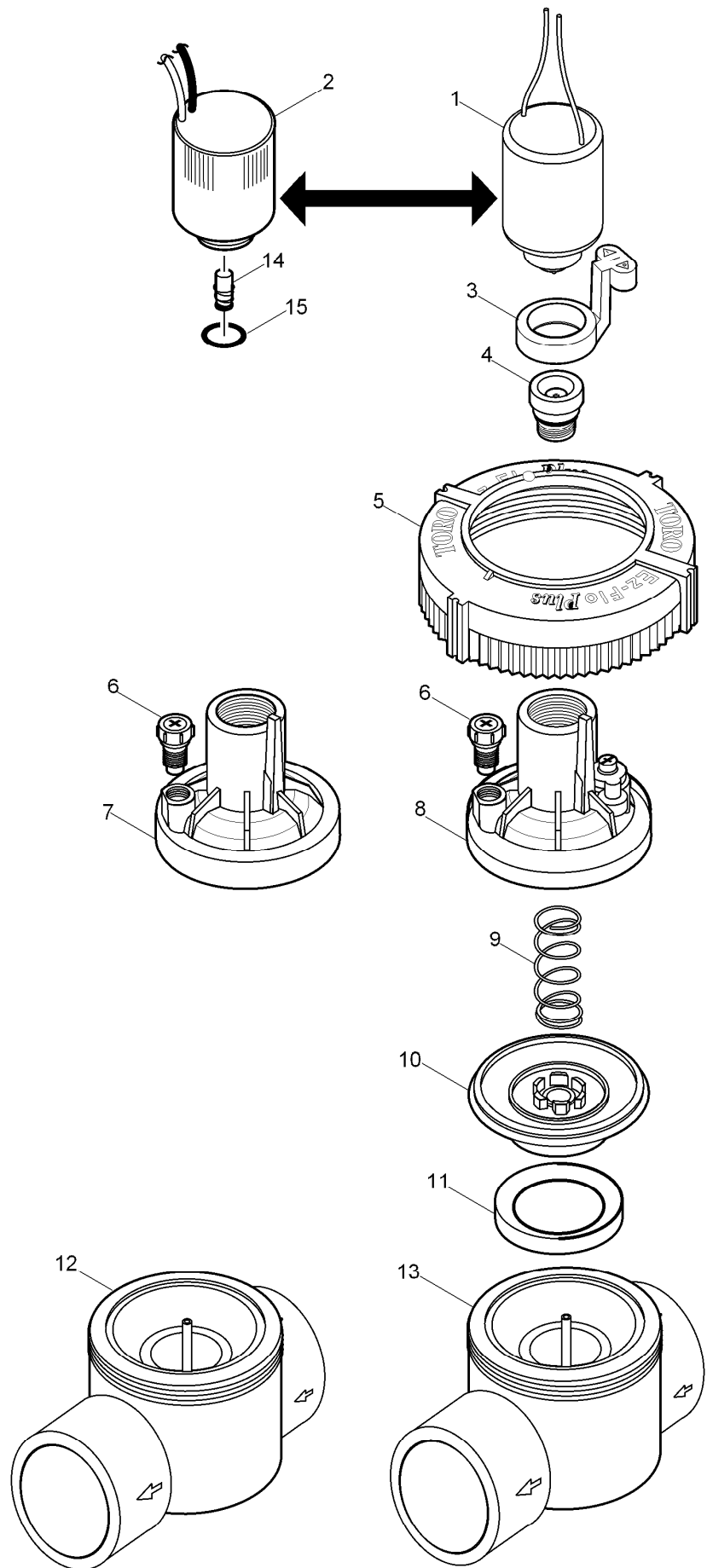


## EZ-Flo Plus Series, 1 Inch Male (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                           |
|-------------|--------------------|-------------|-----------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------------|
| 1           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                      | 8           | 1115004            | 1           | Cover Assy. (For Flow Control Models)                                        |
| 1           | 102-7054           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                      | 9           | 204A-37            | 1           | Spring                                                                       |
| 2           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black) | 10          | 138802             | 1           | Diaphragm Assy.                                                              |
| 3           | 1081501            | 1           | Handle, Bleed Plug                                              | 11          | 1116602            | 1           | Divider (P/N 1116602 Divider [brown] Will Be Changed To P/N 1116601 [black]) |
| 4           | 102-5593           | 1           | Bleed Plug Assy.                                                | 12          |                    | 1           | Body Assy., 1", M X B, Npt ●                                                 |
| 5           | 102-1717           | 1           | Cover Nut                                                       | 13          |                    | 1           | Body Assy., 1", M X M, Npt ●                                                 |
| 6           | 1081401            | 1           | External Bleed Screw                                            | 14          | 118-6446           | 1           | Plunger Assy.                                                                |
| 7           | 512203             | 1           | Cover Assy. (W/O Flow Control)                                  | 15          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                   |

● Not serviced separately

# EZ-Flo Plus Series, 1 Inch Female

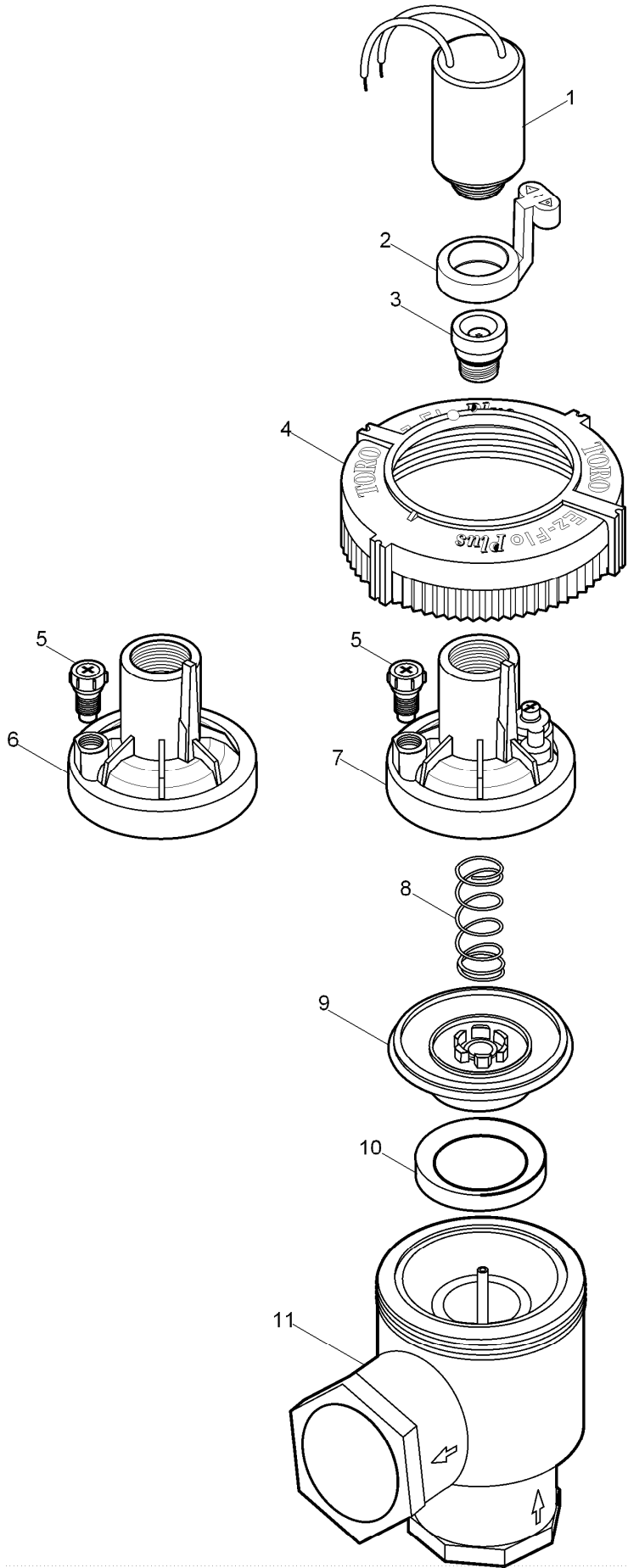


## EZ-Flo Plus Series, 1 Inch Female (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            |
|-------------|--------------------|-------------|-----------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------|
| 1           | 118-5982           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 60 Hz                         | 8           | 1115004            | 1           | Cover Assy. (For Flow<br>Control Models)      |
| 1           | 102-7054           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 50 Hz                         | 9           | 204A-37            | 1           | Spring                                        |
| 2           | 102-2709           | 1           | Solenoid Assy., 24Vdc,<br>Latching (Red W/ White<br>Stripe And Black) | 10          | 138802             | 1           | Diaphragm Assy.                               |
| 3           | 1081501            | 1           | Handle, Bleed Plug                                                    | 11          | 1116601            | 1           | Divider                                       |
| 4           | 102-5593           | 1           | Bleed Plug Assy.                                                      | 12          |                    | 1           | Body Assy., 1", F X F, Slip ●                 |
| 5           | 102-1717           | 1           | Cover Nut                                                             | 13          |                    | 1           | Body Assy., 1", F X F, Npt ●                  |
| 6           | 1081401            | 1           | External Bleed Screw                                                  | 14          | 118-6446           | 1           | Plunger Assy.                                 |
| 7           | 512203             | 1           | Cover Assy. (W/O Flow<br>Control)                                     | 15          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X<br>0.691) (As568-015) |

● Not serviced separately

EZ-Flo Plus Series, 1 Inch Angle



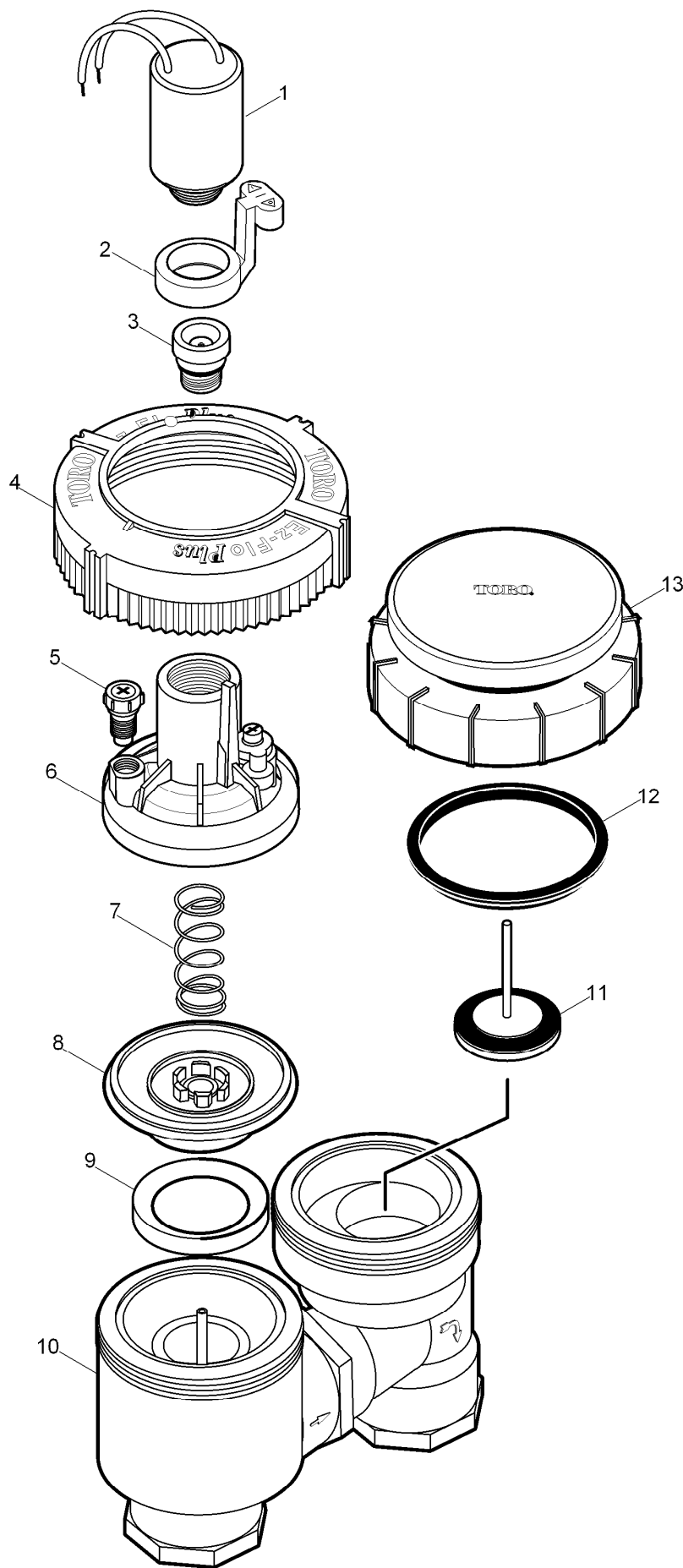


## EZ-Flo Plus Series, 1 Inch Angle (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       |
|-------------|--------------------|-------------|-----------------------------------------------|-------------|--------------------|-------------|------------------------------------------|
| 1           | 118-5982           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 60 Hz | 6           | 512203             | 1           | Cover Assy. (W/O Flow<br>Control)        |
| 1           | 102-7054           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 50 Hz | 7           | 1115004            | 1           | Cover Assy. (For Flow<br>Control Models) |
| 2           | 1081501            | 1           | Handle, Bleed Plug                            | 8           | 204A-37            | 1           | Spring                                   |
| 3           | 102-5593           | 1           | Bleed Plug Assy.                              | 9           | 138802             | 1           | Diaphragm Assy.                          |
| 4           | 102-1717           | 1           | Cover Nut                                     | 10          | 1116601            | 1           | Divider                                  |
| 5           | 1081401            | 1           | External Bleed Screw                          | 11          |                    | 1           | Body Assy., 1", F X F, Npt ●             |

● Not serviced separately

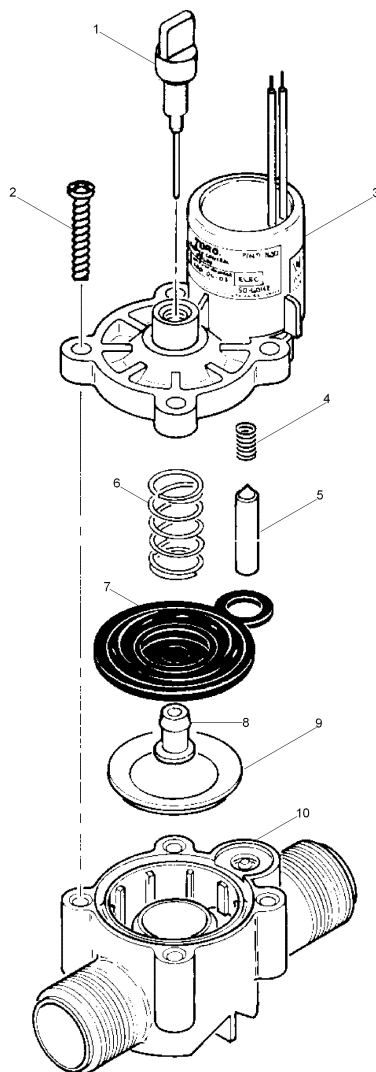
# EZ-Flo Plus AVB Series, 3/4 Inch and 1 Inch



## EZ-Flo Plus AVB Series, 3/4 Inch and 1 Inch (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                           |
|-------------|--------------------|-------------|--------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------------|
| 1           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz | 9           | 1116602            | 1           | Divider (P/N 1116602 Divider [brown] Will Be Changed To P/N 1116601 [black]) |
| 1           | 102-7054           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz |             |                    |             |                                                                              |
| 2           | 1081501            | 1           | Handle, Bleed Plug                         | 10          |                    | 1           | Body Assy, 3/4", Npt ●                                                       |
| 3           | 102-1197           | 1           | Bleed Plug Assy., New                      | 10          |                    | 1           | Body Assy, 1", Npt ●                                                         |
| 4           | 102-1717           | 1           | Cover Nut                                  | 11          | 1088001            | 1           | Stem Assy., 3/4"                                                             |
| 5           | 1081401            | 1           | External Bleed Screw                       | 11          | 1018601            | 1           | Stem Assy., 1"                                                               |
| 6           | 1115004            | 1           | Cover Assy. (For Flow Control Models)      | 12          | 595901             | 1           | Seal, Anti-Siphon Cover, 3/4"                                                |
| 7           | 204A-37            | 1           | Spring                                     | 12          | 655401             | 1           | Seal, Anti-Siphon Cover, 1"                                                  |
| 8           | 138802             | 1           | Diaphragm Assy.                            | 13          | 217107-H           | 1           | Shield/Cover Assy., 3/4"                                                     |
|             |                    |             |                                            | 13          | 519111             | 1           | Shield/Cover Assy., 1"                                                       |

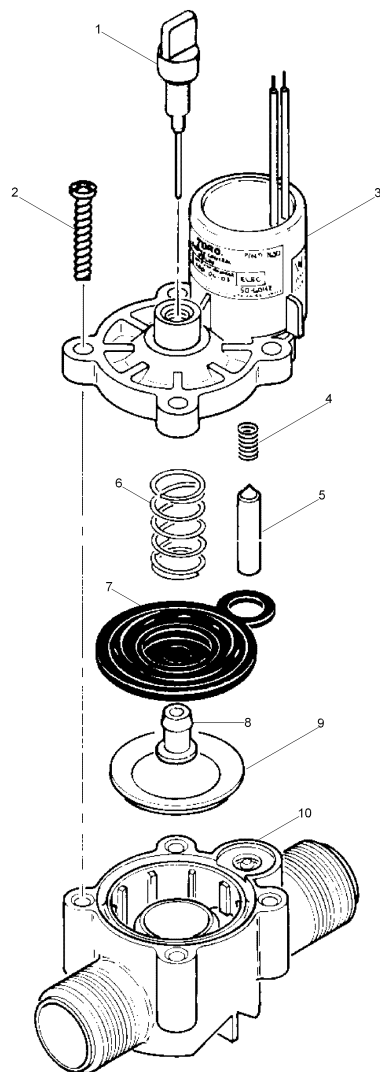
● Not serviced separately



## 264 Series, 3/4" Valve

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 1    | 35-4889     | 1    | Bleed Screw Assy. With Pin        |
| 2    | 363-1493    | 4    | Screw, #10 X 1                    |
| 3    | 9-7413      | 1    | Cap Assy.                         |
| 4    | 9-6148      | 1    | Spring-Plunger, Solenoid, EI      |
| 5    | 9-6527      | 1    | Plunger Assy., EI                 |
| 6    | 9-7619      | 1    | Spring, Diaphragm                 |
| 7    | 35-8941     | 1    | Diaphragm Assy. (Includes Item 8) |
| 8    |             | 1    | Plug, Metering, Diaphragm ●       |
| 9    | 9-7835      | 1    | Support, Diaphragm                |
| 10   | 9-7992      | 1    | Body, Valve                       |

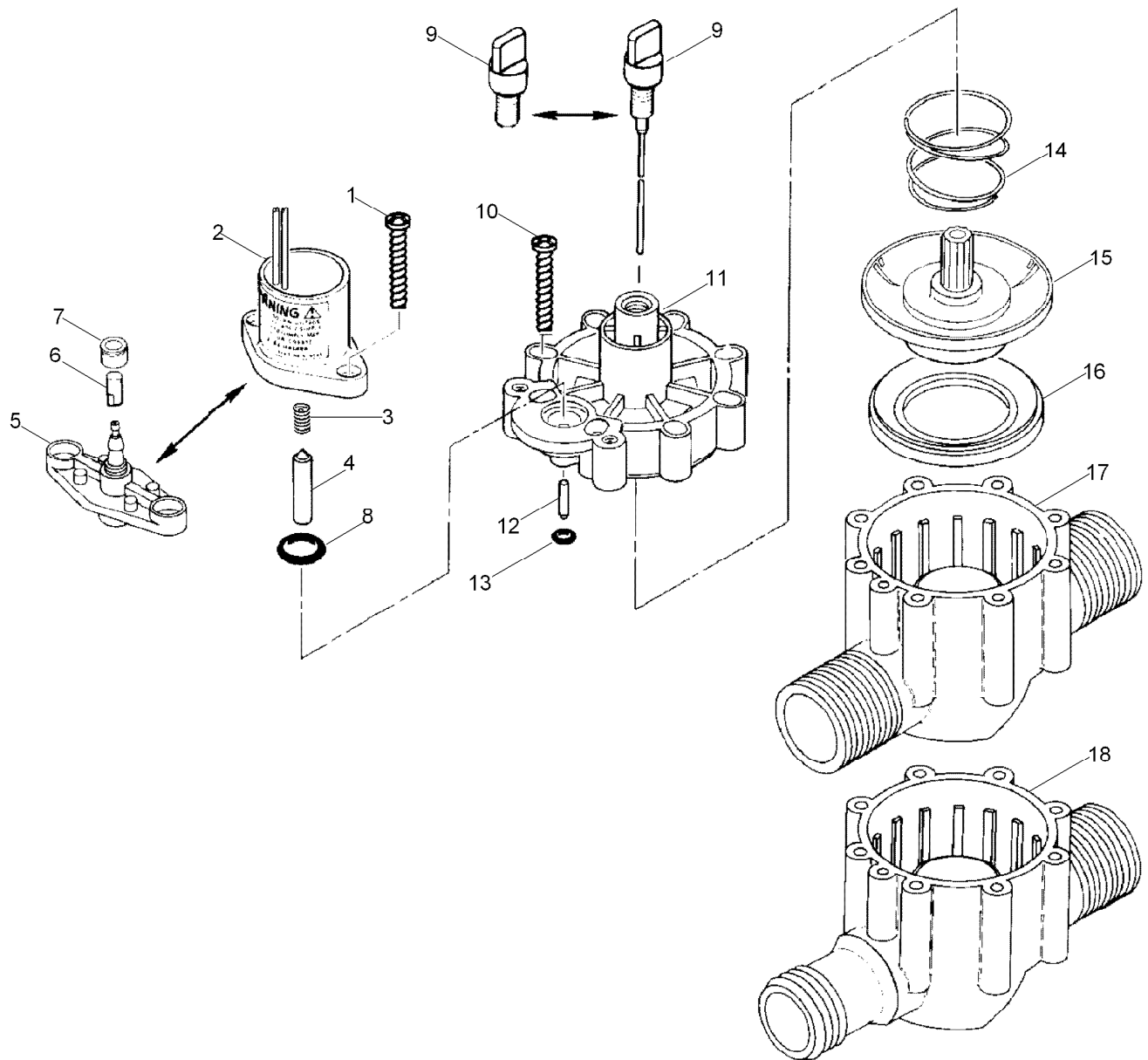
● Not serviced separately



## 264 Series, 3/4" Valve (continued)

● Not serviced separately

## 264 Series, 1" Valve



## 264 Series, 1" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           |
|-------------|--------------------|-------------|-------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------|
| 1           | 363-1493           | 2           | Screw, #10 X 1                                  | 12          | 3-2016             | 1           | Shaft, Idler, Lower, No And Pt                               |
| 2           |                    | 1           | Solenoid Assy., El (See Service Item 89-0878) ▲ | 13          | 1-2035             | 1           | O-Ring, El, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) |
| 3           | 9-6148             | 1           | Spring-Plunger, Solenoid, El                    | 14          | 9-7110             | 1           | Spring, Diaphragm, El And No                                 |
| 4           | 9-6527             | 1           | Plunger Assy., El                               | 15          | 35-2824            | 1           | Diaphragm ASM, 1", El                                        |
| 5           | 35-3776            | 1           | Adapter Assy., No                               | 15          | 35-2943            | 1           | Diaphragm Assy., 1", No Hyd                                  |
| 6           | 89-8157            | 1           | Cap, 1/4", Poly, No                             | 16          | 9-6331             | 1           | Support, Diaphragm                                           |
| 7           | 900-40             | 1           | Retainer, Tube ♦                                | 17          | 9-8311             | 1           | Body, M X M, 1", Npt                                         |
| 8           | 2-9652             | 1           | O-Ring, 7/16" X 5/8", No (As568-111)            | 18          |                    | 1           | Body, M X B, 1", Npt ▲                                       |
| 9           |                    | 1           | Bleed Screw, No ▲                               |             | 89-0878            |             | Solenoid And Plunger Assy., El (Includes Items 2-4) ● ■      |
| 9           | 35-2941            | 1           | Bleed Screw Assy., El, Fast-Closing             |             | 35-9354            |             | Bleed Screw Assy., El, Slow-Closing ● ■                      |
| 10          | 363-4007           | 8           | Screw, #10 X 1.25"                              |             |                    |             |                                                              |
| 11          | 9-8313             | 1           | Cap, Valve W/O Fc, El                           |             |                    |             |                                                              |
| 11          | 9-7291             | 1           | Cap, Valve, W/O Fc, No And Pt                   |             |                    |             |                                                              |

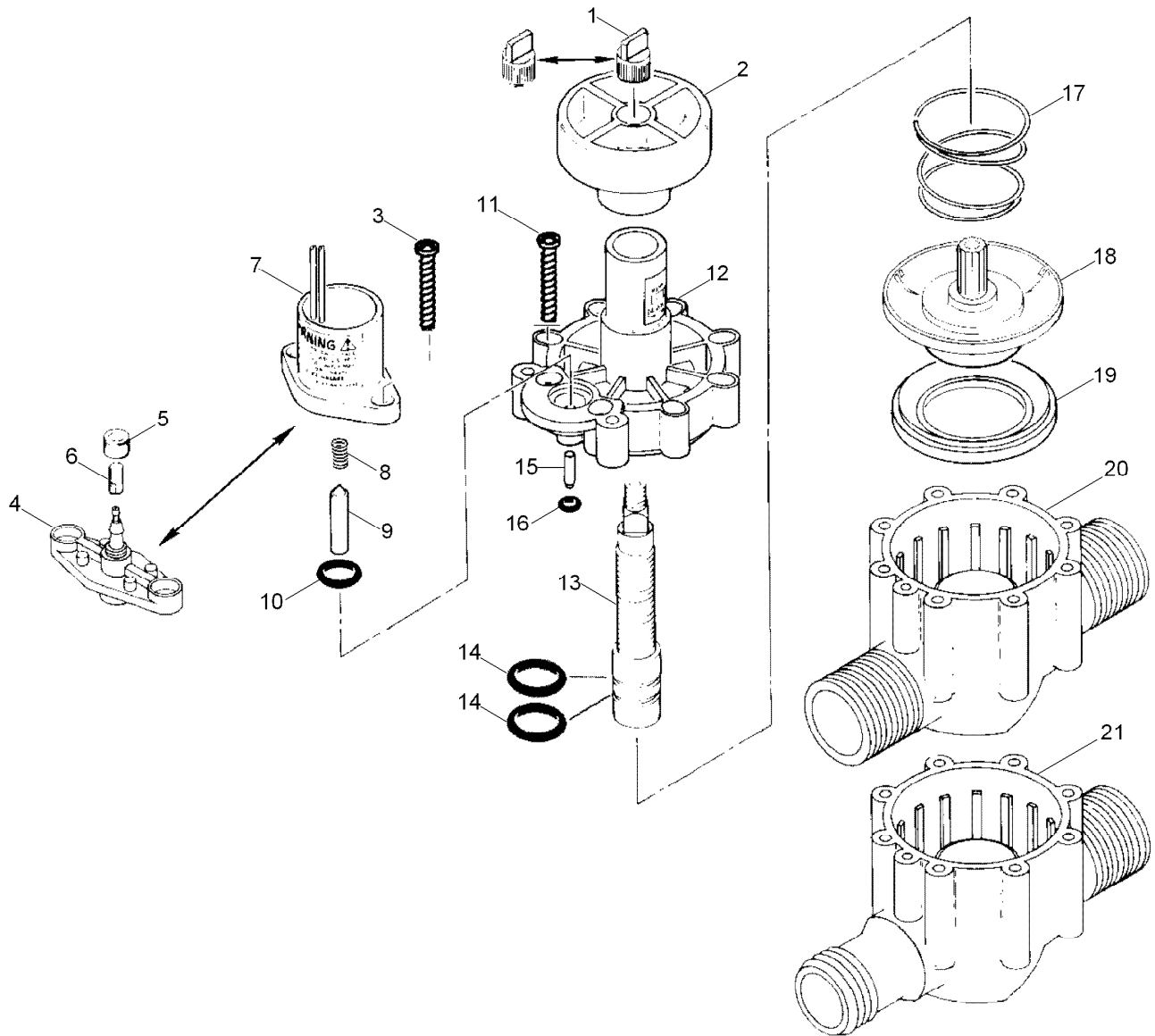
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# 254 Series, 1" Valve





## 254 Series, 1" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           |
|-------------|--------------------|-------------|-------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------|
| 1           | 35-4521            | 1           | Bleed Cap ASM, W/ Pin, El, Fast Closing         | 15          | 3-2016             | 1           | Shaft, Idler, Lower, No And Pt                               |
| 1           | 35-1748            | 1           | Bleed Cap ASM, W/O Pin, No And Pt               | 16          | 1-2035             | 1           | O-Ring, El, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) |
| 2           | 35-3777            | 1           | Knob, Handle, Cross                             | 17          | 9-7110             | 1           | Spring, Diaphragm, El And No                                 |
| 3           | 363-1493           | 2           | Screw, #10 X 1                                  | 18          | 35-2943            | 1           | Diaphragm Assy., 1", No Hyd                                  |
| 4           | 35-3776            | 1           | Adapter Assy., No                               | 18          | 35-2824            | 1           | Diaphragm ASM, 1", El                                        |
| 5           | 900-40             | 1           | Retainer, Tube ♦                                | 19          | 9-6331             | 1           | Support, Diaphragm                                           |
| 6           | 89-8157            | 1           | Cap, 1/4", Poly, No                             | 20          | 9-8311             | 1           | Body, M X M, 1", Npt                                         |
| 7           |                    | 1           | Solenoid Assy., El (See Service Item 89-0878) ▲ | 21          |                    | 1           | Body Assy., M X B, 1" ▲                                      |
| 8           | 9-6148             | 1           | Spring-Plunger, Solenoid, El                    |             | 89-0878            |             | Solenoid And Plunger Assy., El (Include Items 7-9) ●■        |
| 9           | 9-6527             | 1           | Plunger Assy., El                               |             | 35-0767            |             | Cap Assy., W/Flow Control, No (Includes Items 12-14) ●■      |
| 10          | 2-9652             | 1           | O-Ring, 7/16" X 5/8", No (As568-111)            |             | 35-9346            |             | Bleed Cap ASM, W/Pin, Slow-Closing ●■                        |
| 11          | 363-4007           | 8           | Screw, #10 X 1.25"                              |             | 9-8182             |             | Cap, Valve, W/Fc, El (Includes Items 12-14) ●■               |
| 12          |                    | 1           | Cap, Valve, W/Fc, El, Fast-Closing ▲            |             |                    |             |                                                              |
| 12          |                    | 1           | Cap Assy. W/Fc, No ▲                            |             |                    |             |                                                              |
| 13          | 35-1983            | 1           | Stem-Flow Control                               |             |                    |             |                                                              |
| 14          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)      |             |                    |             |                                                              |

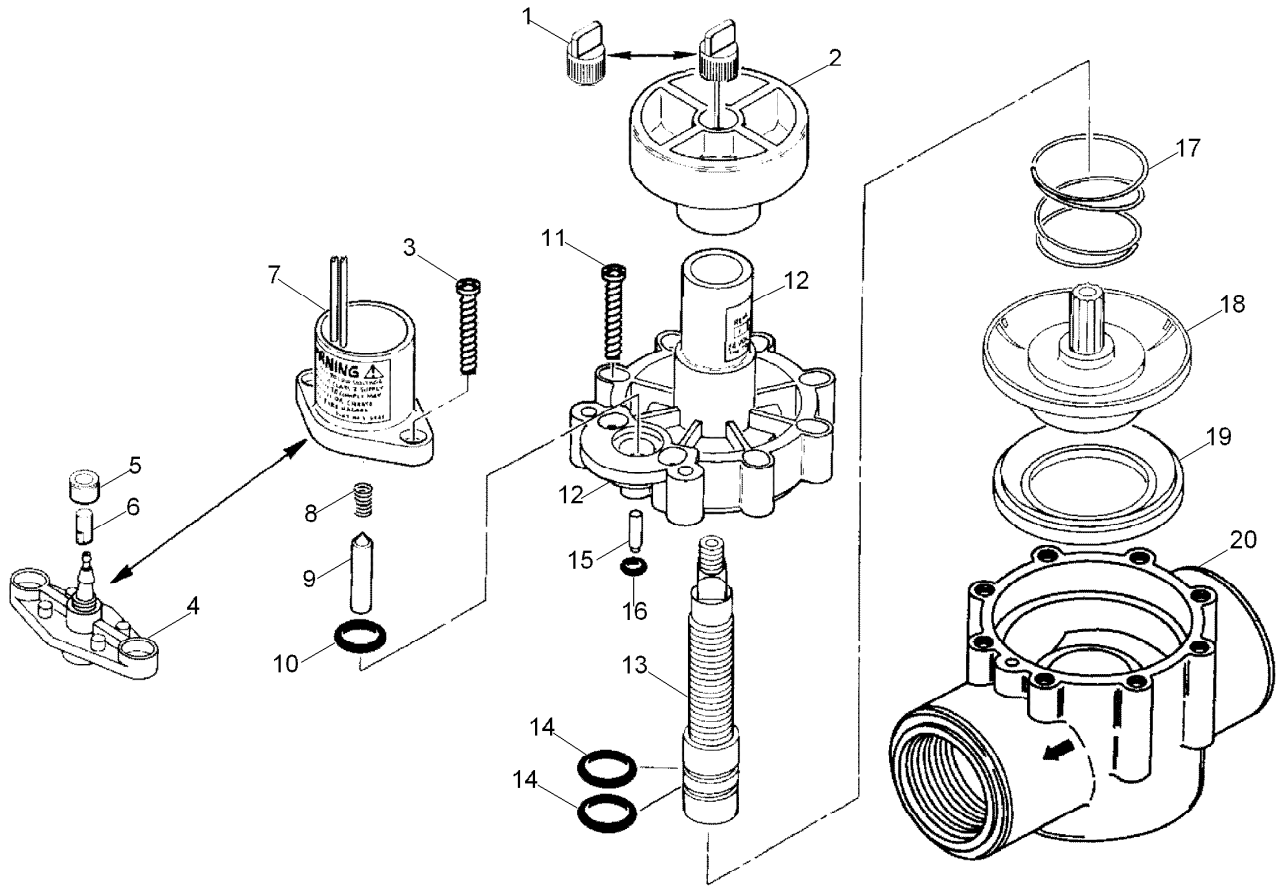
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# 250 Series, 1" Valve



## 250 Series, 1" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                       |
|-------------|--------------------|-------------|--------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------|
| 1           | 35-4521            | 1           | Bleed Cap ASM, W/ Pin, El, Fast Closing                      | 17          | 9-4425             | 1           | Spring, Diaphragm, Pt                                                    |
| 1           | 35-1748            | 1           | Bleed Cap ASM, W/O Pin, No And Pt                            | 17          | 9-7110             | 1           | Spring, Diaphragm, El And No                                             |
| 1           | 89-7855            | 1           | Bleed Cap ASM, W/O Pin, No And Pt, Effluent                  | 18          | 35-2943            | 1           | Diaphragm Assy., 1", No Hyd                                              |
| 2           | 35-3777            | 1           | Knob, Handle, Cross                                          | 18          | 35-2824            | 1           | Diaphragm ASM, 1", El                                                    |
| 3           | 363-1493           | 2           | Screw, #10 X 1                                               | 18          | 35-3655            | 1           | Diaphragm Assy., 1", Pt                                                  |
| 4           | 35-3776            | 1           | Adapter Assy., No                                            | 19          | 9-6331             | 1           | Support, Diaphragm                                                       |
| 5           | 900-40             | 1           | Retainer, Tube □                                             | 20          |                    | 1           | Body Assy., In-Line Globe, Npt ▲                                         |
| 6           | 89-8157            | 1           | Cap, 1/4", Poly, No                                          | 20          | 35-1970            | 1           | Body Assy., In-Line Globe, BSP                                           |
| 7           |                    | 1           | Solenoid Assy., El (See Service Item 89-0878) ▲              |             | 89-0878            |             | Solenoid And Plunger Assy., El (Includes Items 7-9) ●■                   |
| 8           | 9-6148             | 1           | Spring-Plunger, Solenoid, El                                 |             | 35-3503            |             | Diaphragm ASM, El, Service Kit ◆■                                        |
| 9           | 9-6527             | 1           | Plunger Assy., El                                            |             |                    |             | Screen, Filter, 3/4" (Use With 35-3503 Diaphragm Assy) ●■▲               |
| 10          | 2-9652             | 1           | O-Ring, 7/16" X 5/8", No (As568-111)                         |             | 9-6548             |             | Plug, Communication, Diaphragm (Use With 35-3655 Diaphragm Assy., Pt) ●■ |
| 11          | 363-1493           | 8           | Screw, #10 X 1                                               |             |                    |             | Cap, Valve, W/Fc, El (Includes Items 12-14) ●■                           |
| 12          |                    | 1           | Cap Assy., El (See Service Item 9-8182) ▲                    |             | 35-0767            |             | Cap Assy., No Nd Pt (Includes Items 12-14) ●■                            |
| 12          |                    | 1           | Cap Assy., No & Pt (See Service Item 35-0767) ▲              |             | 35-9346            |             | Bleed Cap ASM, W/Pin, Slow-Closing ●■                                    |
| 13          | 35-1983            | 1           | Stem-Flow Control                                            |             |                    |             |                                                                          |
| 14          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                   |             |                    |             |                                                                          |
| 15          | 3-2016             | 1           | Shaft, Idler, Lower, No And Pt                               |             |                    |             |                                                                          |
| 16          | 1-2035             | 1           | O-Ring, El, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) |             |                    |             |                                                                          |

● SERVICE ITEMS

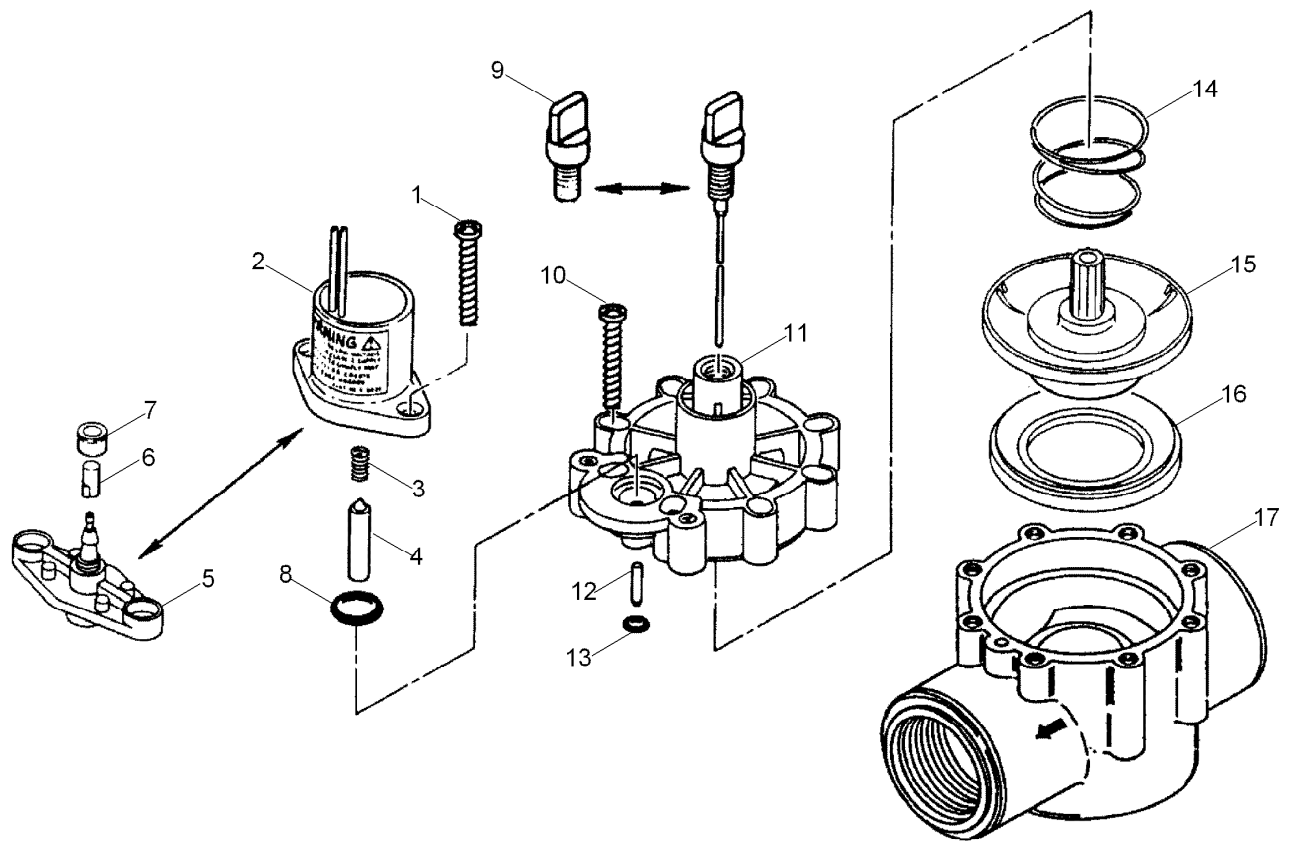
▲ Not serviced separately

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

◆ (See Service Items: Nozzle/Stator Assy.)

## 260 Series, 1" Valve



## 260 Series, 1" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                         |
|-------------|--------------------|-------------|--------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------|
| 1           | 363-1493           | 2           | Screw, #10 X 1                                               | 15          | 35-2943            | 1           | Diaphragm Assy., 1", No Hyd                                |
| 2           |                    | 1           | Solenoid Assy. (See Service Item 89-0878) ▲                  | 15          | 35-2824            | 1           | Diaphragm ASM, 1", EI                                      |
| 3           | 9-6148             | 1           | Spring-Plunger, Solenoid, EI                                 | 15          | 35-3655            | 1           | Diaphragm Assy., 1", Pt                                    |
| 4           | 9-6527             | 1           | Plunger Assy., EI                                            | 16          | 9-6331             | 1           | Support, Diaphragm                                         |
| 5           | 35-3776            | 1           | Adapter Assy., No                                            | 17          |                    | 1           | Body Assy., Globe, Npt ▲                                   |
| 6           | 89-8157            | 1           | Cap, 1/4", Poly, No                                          | 17          | 35-1970            | 1           | Body Assy., In-Line Globe, BSP                             |
| 7           | 900-40             | 1           | Retainer, Tube ♦                                             |             | 89-0878            |             | Solenoid And Plunger Assy., EI (Includes Items 2-4) ●■     |
| 8           | 2-9652             | 1           | O-Ring, 7/16" X 5/8", No (As568-111)                         |             | 35-3503            |             | Diaphragm ASM, EI, Service Kit ●■                          |
| 9           | 35-2941            | 1           | Bleed Screw Assy., EI, Fast-Closing                          |             |                    |             | Screen, Filter, 3/4" (Use With 35-3503 Diaphragm Assy) ●■▲ |
| 9           |                    | 1           | Bleed Screw, No & Pt ▲                                       |             | 9-6548             |             | Plug, Communication, Diaphragm (Used With 35-3655) ●■      |
| 10          | 363-1493           | 8           | Screw, #10 X 1                                               |             | 35-9354            |             | Bleed Screw Assy., EI, Slow-Closing ●■                     |
| 11          | 9-8313             | 1           | Cap, Valve W/O Fc, EI                                        |             | 9-6548             |             | Plug, Communication, Diaphragm (Used With 35-3655) ●■      |
| 11          | 9-7291             | 1           | Cap, Valve, W/O Fc, No And Pt                                |             | 35-9354            |             | Bleed Screw Assy., EI, Slow-Closing ●■                     |
| 12          | 3-2016             | 1           | Shaft, Idler, Lower, No And Pt                               |             |                    |             |                                                            |
| 13          | 1-2035             | 1           | O-Ring, EI, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) |             |                    |             |                                                            |
| 14          | 9-7110             | 1           | Spring, Diaphragm, EI And No                                 |             |                    |             |                                                            |
| 14          | 9-4425             | 1           | Spring, Diaphragm, Pt                                        |             |                    |             |                                                            |

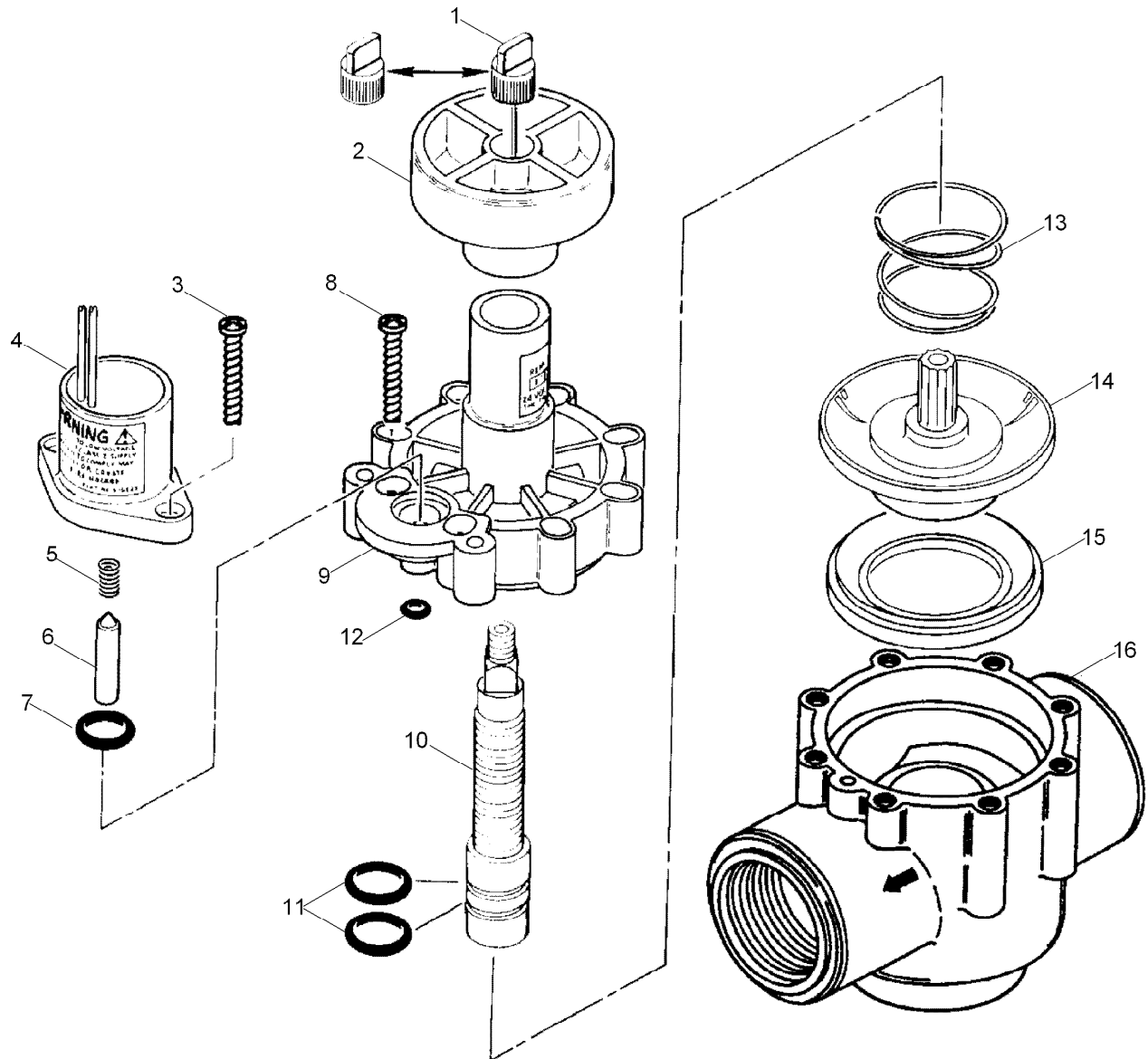
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# 252 Series, 1" Valve

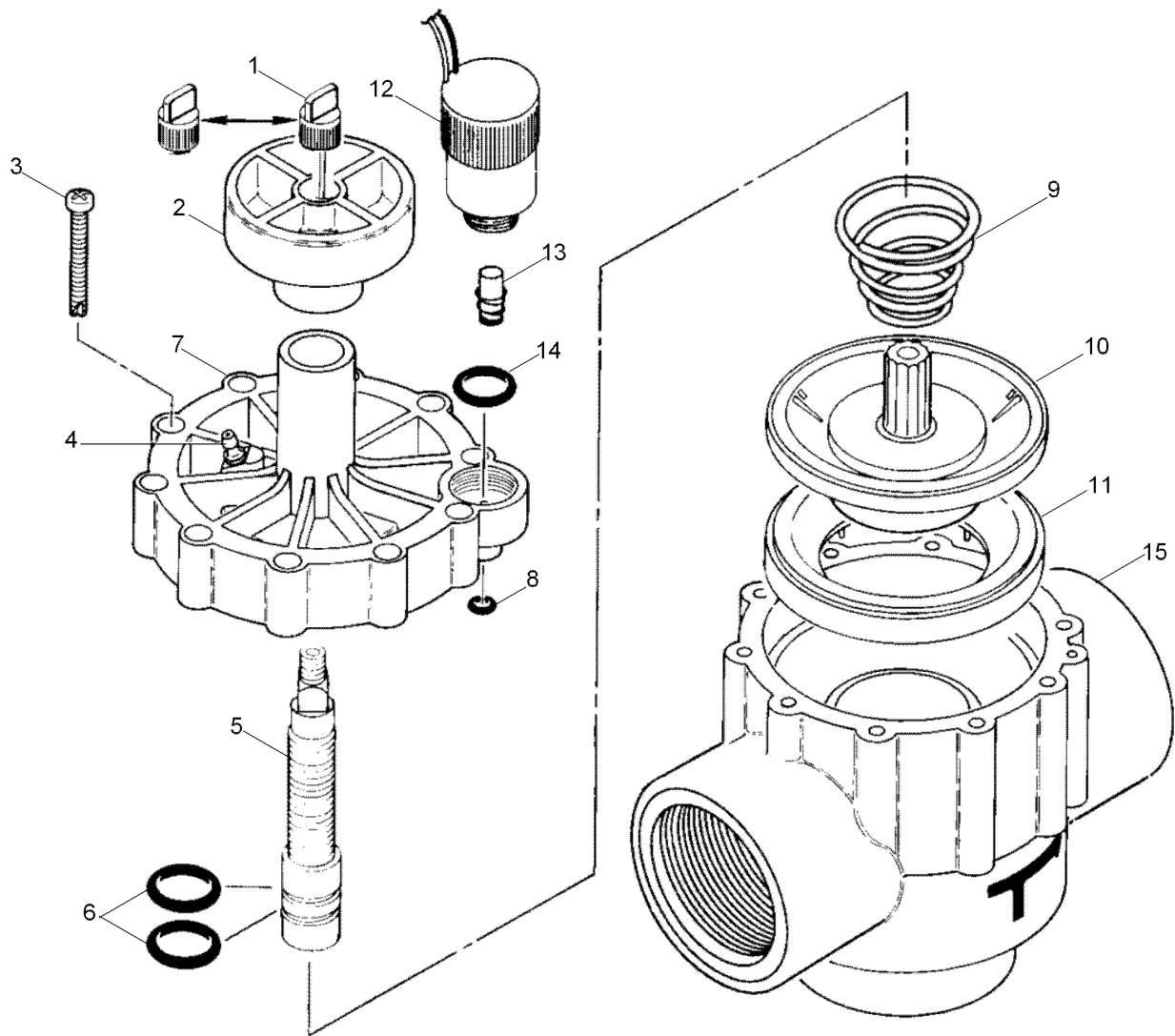


## 252 Series, 1" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                         |
|-------------|--------------------|-------------|--------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------|
| 1           | 35-4521            | 1           | Bleed Cap ASM, W/ Pin, El, Fast Closing                      | 13          | 9-7110             | 1           | Spring, Diaphragm, El And No                               |
| 1           | 35-1748            | 1           | Bleed Cap ASM, W/O Pin, No And Pt                            | 14          | 35-2824            | 1           | Diaphragm ASM, 1", El                                      |
| 2           | 35-3777            | 1           | Knob, Handle, Cross                                          | 15          | 9-6331             | 1           | Support, Diaphragm                                         |
| 3           | 363-1493           | 2           | Screw, #10 X 1                                               | 16          |                    | 1           | Body Assy., 1", Npt ▲                                      |
| 4           |                    | 1           | Solenoid Assy. (See Service Item 89-0878) ▲                  | 16          |                    | 1           | Body Assy., 1", BSP ▲                                      |
| 5           | 9-6148             | 1           | Spring-Plunger, Solenoid, El                                 |             | 89-7855            |             | Bleed Cap ASM, W/O Pin, No And Pt, Effluent ●■             |
| 6           | 9-6527             | 1           | Plunger Assy., El                                            |             | 89-0878            |             | Solenoid And Plunger Assy., El (Includes Items 4-6) ●■     |
| 7           | 2-9652             | 1           | O-Ring, 7/16" X 5/8", No (As568-111)                         |             | 9-8182             |             | Cap Assy. (Includes Items 9-11) ●■                         |
| 8           | 363-1493           | 8           | Screw, #10 X 1                                               |             | 35-3503            |             | Diaphragm ASM, El, Service Kit ●■                          |
| 9           |                    | 1           | Cap Assy., El, W/Fc (See Service Item 35-8182) ▲             |             |                    |             | Screen, Filter, 3/4" (Use With 35-3503 Diaphragm Assy) ●▲■ |
| 10          | 35-1983            | 1           | Stem-Flow Control                                            |             |                    |             | Bleed Cap ASM, W/Pin, Slow-Closing ●■                      |
| 11          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                   |             | 35-9346            |             |                                                            |
| 12          | 1-2035             | 1           | O-Ring, El, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) |             |                    |             |                                                            |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated



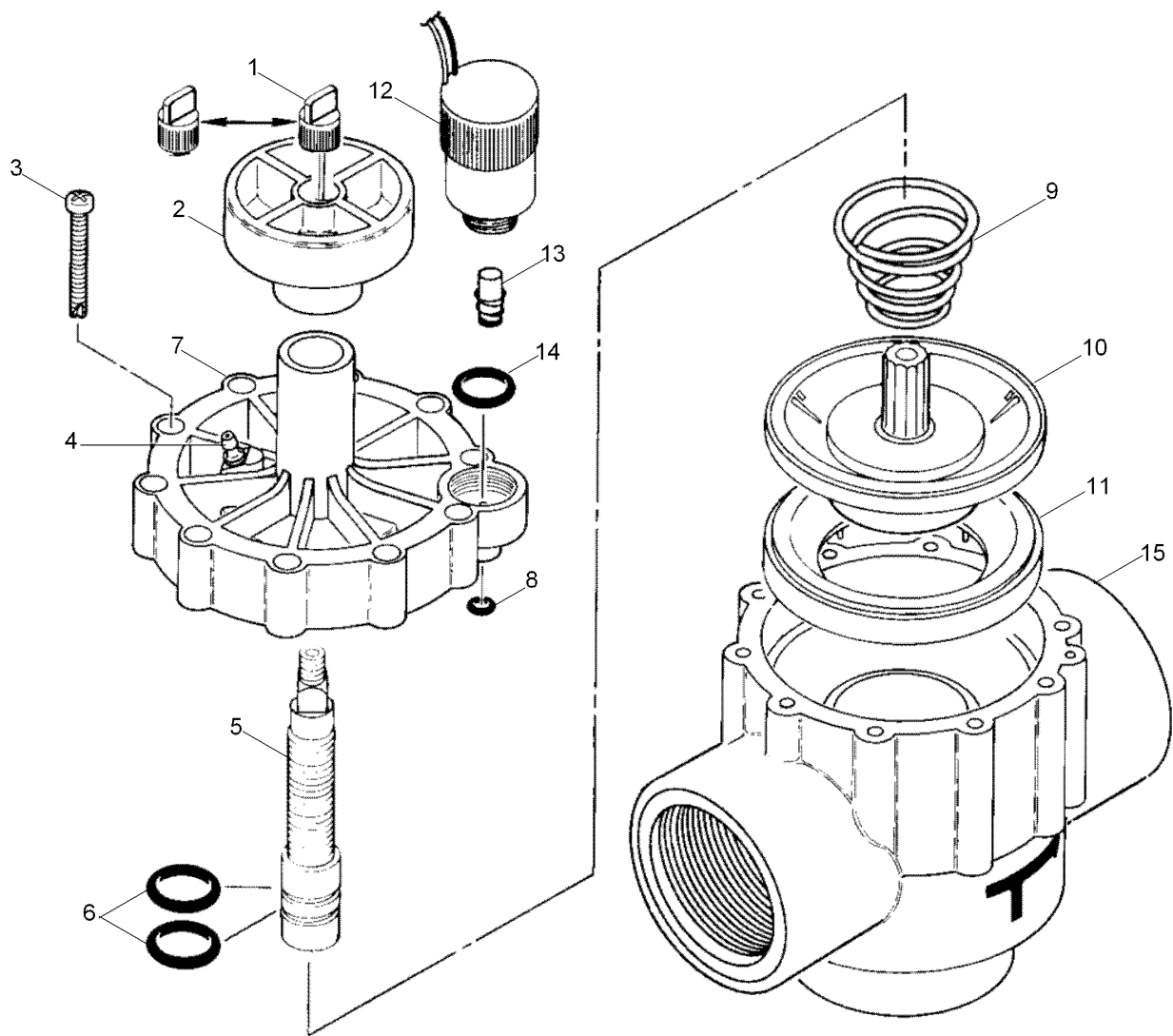
## 252 Series, 1.5" Valve (Sheet 1 of 2)

| Ref. | Part Number | Qty. | Description                                 |
|------|-------------|------|---------------------------------------------|
| 1    | 35-4521     | 1    | Bleed Cap ASM, W/ Pin, El, Fast Closing     |
| 1    | 35-1748     | 1    | Bleed Cap ASM, W/O Pin, No And Pt           |
| 1    | 89-7855     | 1    | Bleed Cap ASM, W/O Pin, No And Pt, Effluent |
| 2    | 35-3777     | 1    | Knob, Handle, Cross                         |
| 3    | 360-0203    | 10   | Screw, Tap, #10-25 X 1-3/4, Sst             |
| 4    |             | 1    | Cap, Valve, El ●                            |
| 4    |             | 1    | Cap, Valve, No & Pt (See Service Items) ●   |
| 4    |             | 1    | Cap, Valve, Pr (See Service Items) ●        |
| 4    |             | 1    | Cap, Valve, Cr (See Service Items) ●        |
| 5    | 35-1983     | 1    | Stem-Flow Control                           |

| Ref. | Part Number | Qty. | Description                                                  |
|------|-------------|------|--------------------------------------------------------------|
| 6    | 360-0220    | 2    | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                   |
| 7    | 9-6791      | 1    | Connector, Poly, No And Pr                                   |
| 8    | 1-2035      | 1    | O-Ring, El, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) |
| 9    | 9-4425      | 1    | Spring, Diaphragm, Pt                                        |
| 10   | 89-0812     | 1    | Diaphragm ASM, El                                            |
| 10   | 89-0814     | 1    | Diaphragm ASM, Pt                                            |
| 10   | 89-0813     | 1    | Diaphragm ASM, No, Pr And Cr                                 |
| 11   | 89-6110     | 1    | Support-Diaphragm                                            |
| 12   | 118-0248    | 1    | Solenoid Assy., El, Pr And Cr                                |
| 13   | 35-4609     | 1    | Plunger ASM, El, Pr And Cr                                   |
| 14   | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                   |
| 15   | 9-7100      | 1    | Body ASM, No And Pt, Npt                                     |

● Not serviced separately





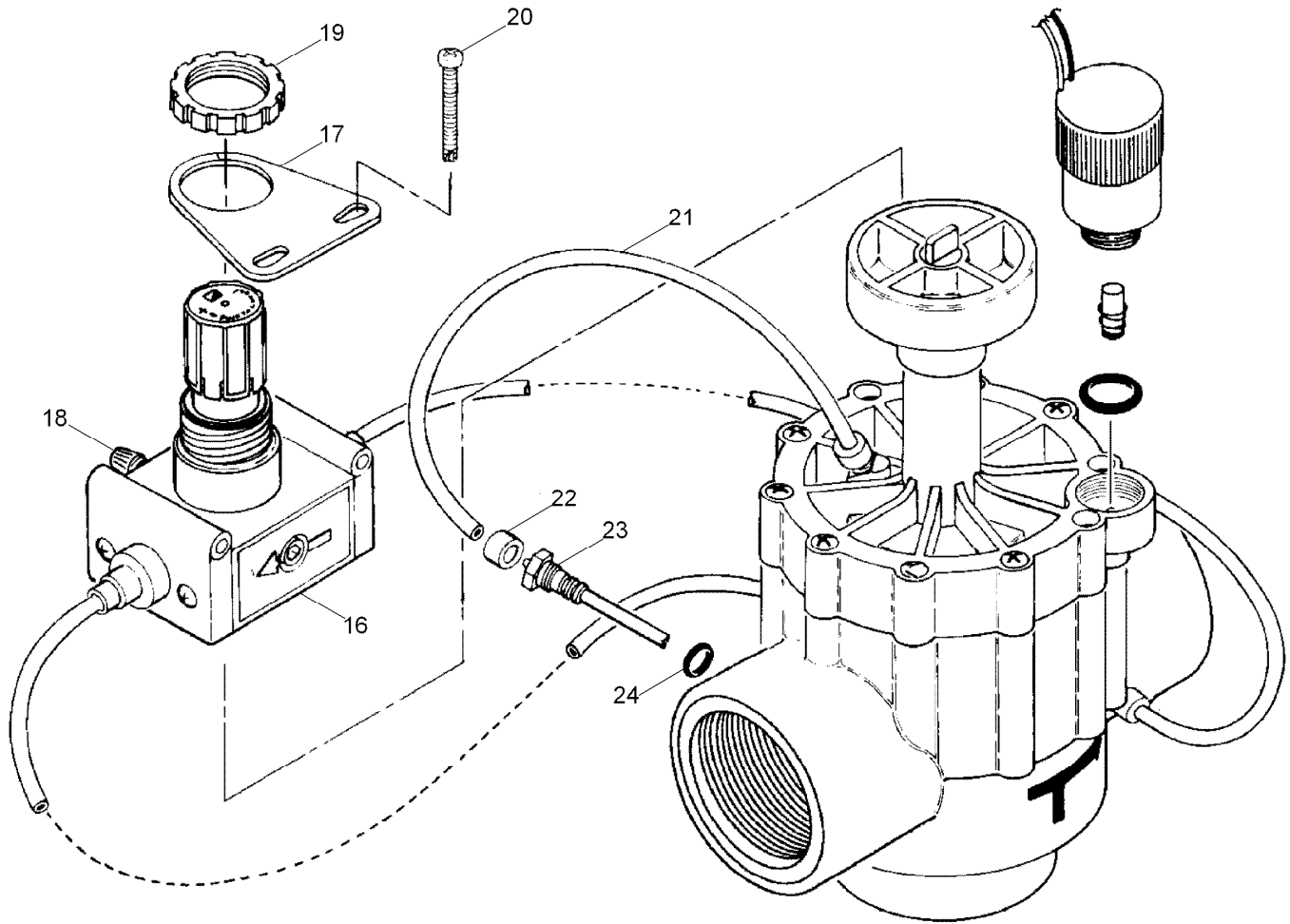
## 252 Series, 1.5" Valve (Sheet 1 of 2) (continued)

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 15   | 9-7238      | 1    | Body ASM, El, Npt          |
| 15   |             | 1    | Body Assy., No & Pt, BSP ● |
| 15   | 35-1973     | 1    | Body ASM, El, BSP          |
| 15   | 35-4937     | 1    | Body ASM, Pr, Npt          |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 15   | 35-5642     | 1    | Body ASM, Pr, BSP |
| 15   | 89-4805     | 1    | Body ASM, Cr, Npt |
| 15   | 89-6036     | 1    | Body ASM, Cr, BSP |

● Not serviced separately

## 252 Series, 1.5" Valve (Sheet 2 of 2)



## 252 Series, 1.5" Valve (Sheet 2 of 2) (continued)

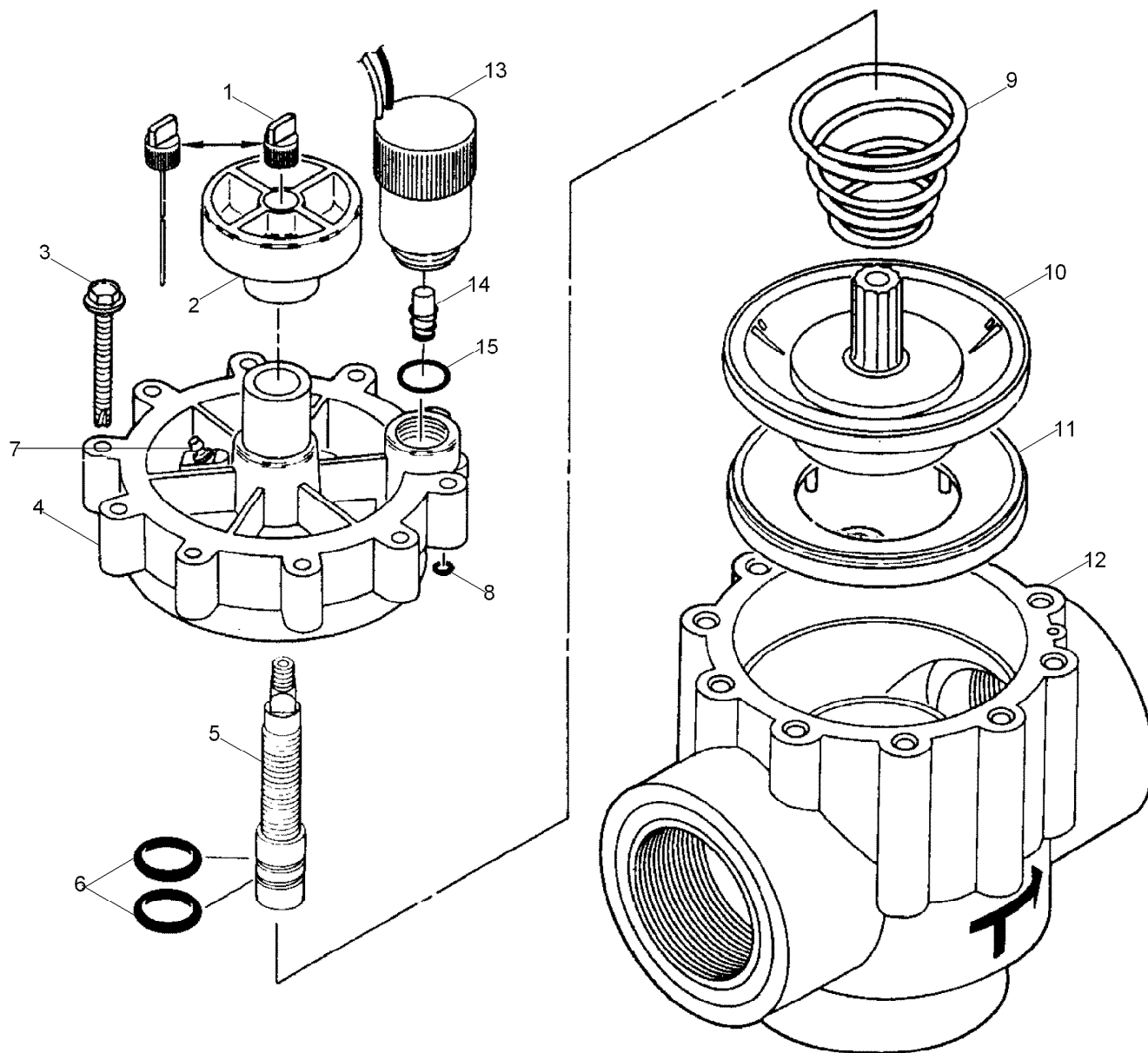
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       |
|-------------|--------------------|-------------|------------------------------------------------|-------------|--------------------|-------------|------------------------------------------|
| 16          | 363-3141           | 1           | Regulator-Water Pressure,<br>Plastic Valve, Pr | 89-8157     |                    |             | Cap, 1/4", Poly, No ●■                   |
| 17          | 35-3444            | 1           | Bracket, Regulator, Pr                         | 35-9346     |                    |             | Bleed Cap ASM, W/Pin,<br>Slow-Closing ●■ |
| 18          | 363-1762           | 1           | Valve, Schrader, 1/8", Pr,<br>Npt              | 35-0595     |                    |             | Cap ASM, Valve, El ●■                    |
| 19          | 363-1894           | 1           | Nut-Regulator, Pr                              | 35-0769     |                    |             | Cap ASM, Valve, No And Pt<br>●■          |
| 20          | 360-0203           | 2           | Screw, Tap, #10-25 X 1-3/4,<br>Sst             | 35-4935     |                    |             | Cap ASM, Valve, Pr And Cr<br>●■          |
| 21          | 9-2623             | 3           | Tube, 1/4" X 8", El                            | 35-4926     |                    |             | Regulator ASM, Plastic<br>Valve, Pr ●■   |
| 21          | 9-2624             | 1           | Tubing, Poly, 1/4" X 11.5",<br>Cr              | 89-0817     |                    |             | Diaphragm Kit, 1.5, El ●■                |
| 22          | 900-40             | 6           | Retainer, Tube ▲                               | 89-0818     |                    |             | Diaphragm Kit, 1.5, No ●■                |
| 23          | 35-4619            | 1           | Filter Assy., 1/4", Regulator,<br>Pr And Cr    | 89-0814     |                    |             | Diaphragm ASM, Pt ●■                     |
| 24          | 360-0494           | 1           | O-Ring                                         | 89-9453     |                    |             | Service Kit, Valve, 1.5, No<br>●■        |
|             | 35-3099            |             | Solenoid ASM, El And Pr<br>And Cr ●■           | 89-3853     |                    |             | Service Kit, Valve, 1.5, El ●■           |
|             |                    |             |                                                | 89-3892     |                    |             | Service Kit, Valve, 1.5, Pt ●■           |

● SERVICE ITEMS

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

## 252 Series, 2" Valve (Sheet 1 of 2)

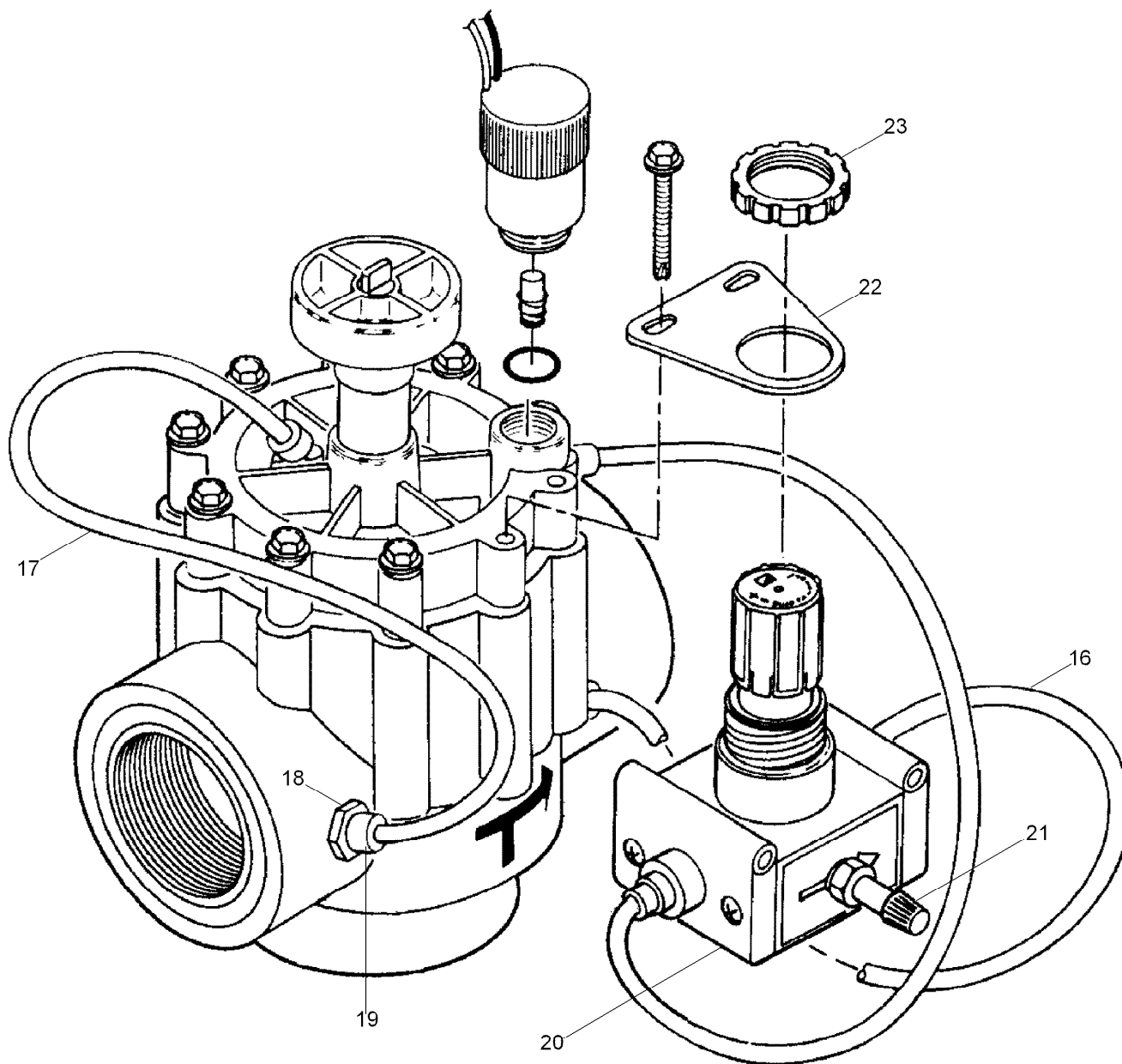


## 252 Series, 2" Valve (Sheet 1 of 2) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         |
|-------------|--------------------|-------------|--------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------|
| 1           | 35-3892            | 1           | Bleed Cap Assy. With Pin, El                                 | 9           | 9-4425             | 1           | Spring, Diaphragm, No                      |
| 1           | 35-1748            | 1           | Bleed Cap Assy., No, Pr And Cr                               | 10          | 89-0815            | 1           | Diaphragm ASM, El                          |
| 2           | 35-3777            | 1           | Knob, Handle, Cross                                          | 10          | 89-0816            | 1           | Diaphragm ASM, No, Pr And Cr               |
| 3           | 363-1399           | 10          | Screw-Hex, Washer, 1/4-14 X 2                                | 11          | 9-6504             | 1           | Support-Diaphragm                          |
| 4           |                    | 1           | Cap, Valve (See Service Items) ●                             | 12          | 9-7258             | 1           | Body ASM, El And No, Npt                   |
| 5           | 35-1983            | 1           | Stem-Flow Control                                            | 12          | 35-1974            | 1           | Body ASM, El And No, BSP                   |
| 6           | 360-0220           | 2           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                   | 12          | 35-4943            | 1           | Body ASM, Pr, Npt                          |
| 7           | 9-6791             | 1           | Connector, Poly, No And Pr                                   | 12          | 35-5645            | 1           | Body ASM, Pr, BSP                          |
| 8           | 1-2035             | 1           | O-Ring, El, Pr And Cr (0.070" X 0.114" X 0.254") (As568-006) | 12          | 89-4807            | 1           | Body ASM, Cr, Npt                          |
| 9           | 9-6940             | 1           | Spring, Diaphragm, El, Pr And Cr                             | 12          |                    | 1           | Body Assy., Cr, BSP ●                      |
|             |                    |             |                                                              | 13          | 118-0248           | 1           | Solenoid (Red & Black Wires)               |
|             |                    |             |                                                              | 14          | 35-4609            | 1           | Plunger ASM, El, Pr And Cr                 |
|             |                    |             |                                                              | 15          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015) |

● Not serviced separately

## 252 Series, 2" Valve (Sheet 2 of 2)



## 252 Series, 2" Valve (Sheet 2 of 2) (continued)

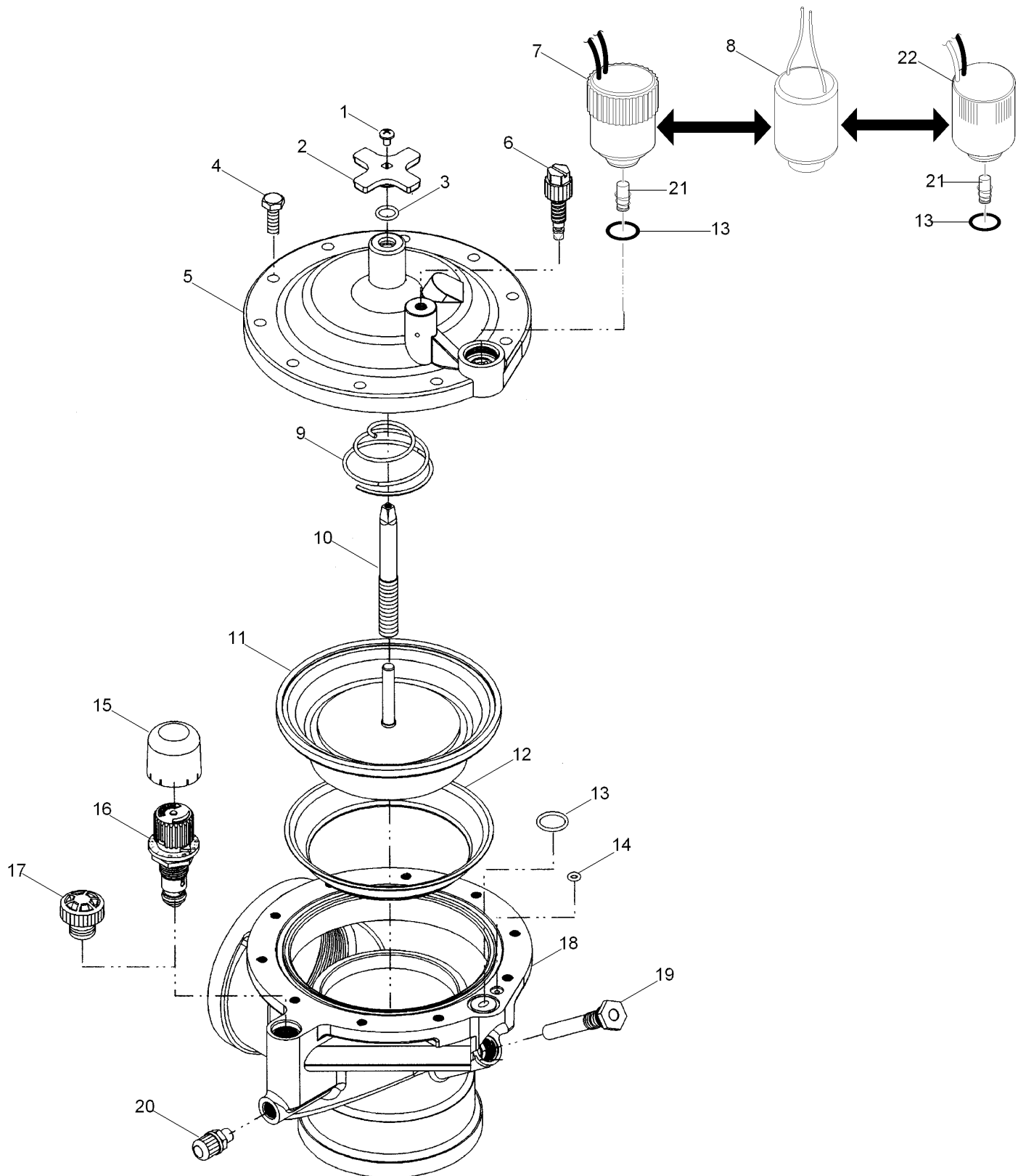
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|-----------------------------|
| 16          | 9-2623             |             | Tube, 1/4" X 8", El          | 89-3855     |                    |             | Diaphragm Kit, El 232/252   |
| 17          | 9-1876             |             | Tube, 1/4" X 12", Pr And Cr  |             |                    |             | Valves (Includes Items 10   |
| 18          | 35-4931            |             | Filter ASM, Regulator, .034, |             |                    |             | And 11) ●■                  |
|             |                    |             | Pr And Cr (Includes O-Ring)  | 35-0596     |                    |             | Cap Assy., Valve, El        |
| 19          | 900-40             |             | Retainer, Tube ▲             |             |                    |             | (Includes Items 4-6) ●■     |
| 20          | 363-3141           |             | Regulator-Water Pressure,    | 35-0768     |                    |             | Cap Assy., Valve, No        |
|             |                    |             | Plastic Valve, Pr            |             |                    |             | (Includes Items 4-7) ●■     |
| 21          | 363-1762           |             | Valve, Schrader, 1/8", Pr,   | 35-4940     |                    |             | Cap Assy., Valve, Pr        |
|             |                    |             | Npt                          |             |                    |             | (Includes Items 4-7) ●■     |
| 22          | 35-3444            |             | Bracket, Regulator, Pr       | 35-4926     |                    |             | Regulator Assy., Valve,     |
| 23          | 363-1894           |             | Nut-Regulator, Pr            |             |                    |             | Plastic, Pr (Includes Items |
|             | 35-3099            |             | Solenoid Assy., El And Pr    |             |                    |             | 20-23) ●■                   |
|             |                    |             | (Includes Items 13 And 14)   | 89-0806     |                    |             | Bleed Screw, Fast, 2 Inch ● |
|             |                    |             | ●■                           |             |                    |             | ■                           |
|             | 102-1214           |             | Plug, Pipe, 2", BSP ●■       | 360-0494    |                    |             | O-Ring ●■                   |
|             | 89-3854            |             | Diaphragm Kit, El, 232 Valve |             |                    |             |                             |
|             |                    |             | (Includes Items 10 And 11)   |             |                    |             |                             |
|             |                    |             | ●■                           |             |                    |             |                             |

● SERVICE ITEMS

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

## 220 Series, 2.5" and 3" Valves





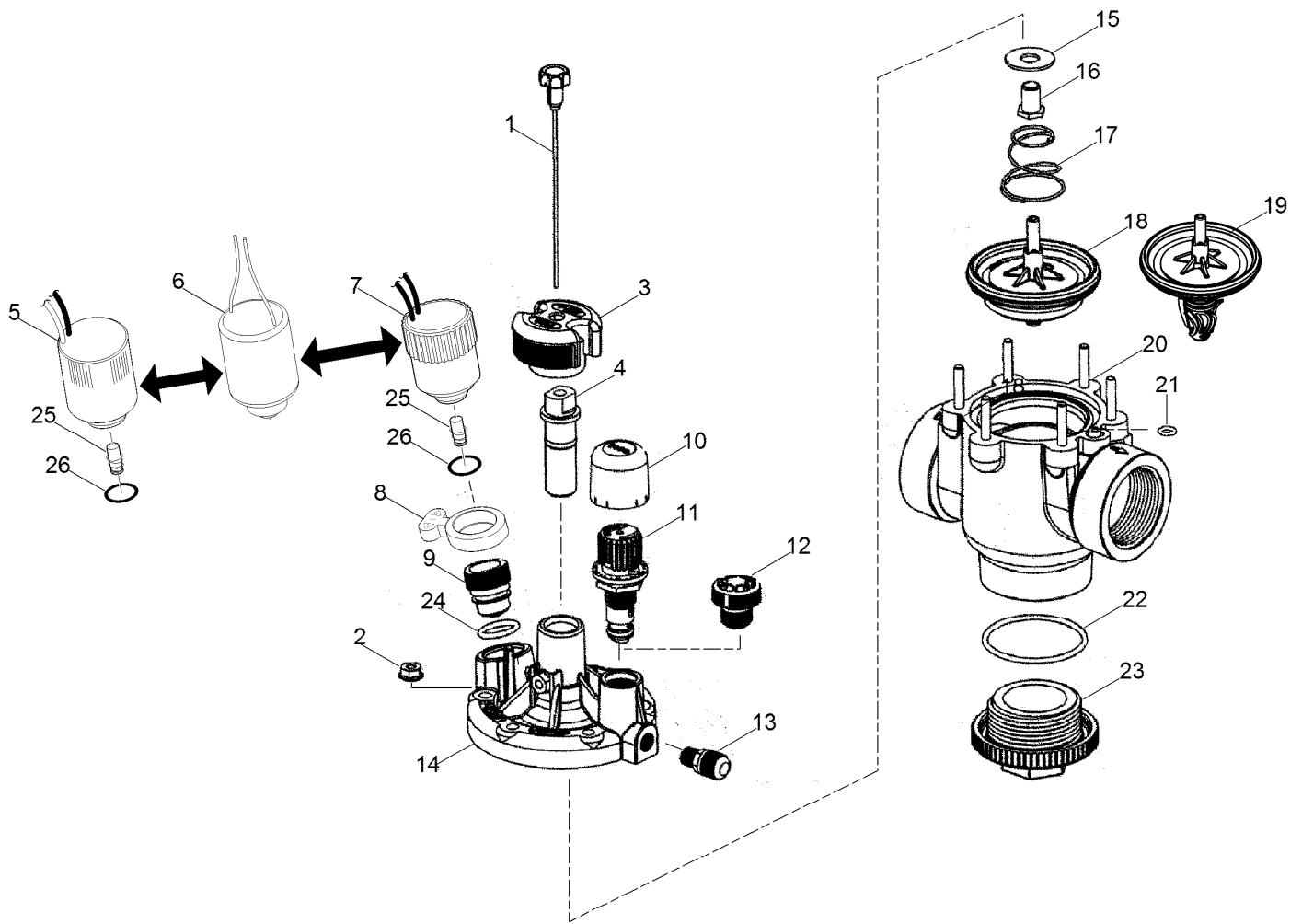
## 220 Series, 2.5" and 3" Valves (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               |
|-------------|--------------------|-------------|---------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------------|
| 1           | 360-0498           | 1           | Screw, Machine, 8-32 X 1/4"                                   | 14          | 360-0530           | 1           | O-Ring, El And Pr (0.070 X 0.145 X 0.285)                                        |
| 2           | 9-4527             | 1           | Handle, Cross                                                 | 15          | 835203             | 1           | Cap, Vandal Resistant (Pressure Regulating Models Only)                          |
| 3           | 360-0493           | 1           | O-Ring, 0.070 X 0.364 X 0.504                                 | 16          | EZR-30             | 1           | Regulator Module, 30 Psi (Includes Item 15) (Pressure Regulating Models Only) ■  |
| 4           | 360-0499           | 10          | Screw, Machine, 1/4-20 X 3/4"                                 | 16          | EZR-100            | 1           | Regulator Module, 100 Psi (Includes Item 15) (Pressure Regulating Models Only) ■ |
| 5           | 89-9541            | 1           | Cap, Valve                                                    | 17          | 89-9521            | 1           | Blanking Plug Assy. (Non-Pressure Regulating Models Only)                        |
| 6           | 102-0208           | 1           | Bleed Screw Assy.                                             | 18          |                    | 1           | Body, Brass ●                                                                    |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage, W/Surge Protection (Black Wires)        | 19          | 102-0692           | 1           | Filter Assy., Metering                                                           |
| 8           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                    | 20          | 834101             | 1           | Valve Assy., Schrader                                                            |
| 8           | 118-5983           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                    | 21          | 118-6446           | 1           | Plunger Assy. (Used With Items 22 And 7)                                         |
| 9           | 89-1744            | 1           | Spring, Diaphragm                                             | 22          | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)                  |
| 10          | 9-4543             | 1           | Stem, Flow Control                                            |             |                    |             |                                                                                  |
| 11          | 89-6421            | 1           | Diaphragm Assy.                                               |             |                    |             |                                                                                  |
| 12          | 89-8126            | 1           | Support, Diaphragm                                            |             |                    |             |                                                                                  |
| 13          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X 0.691) (As568-015) (Used With Item 7) |             |                    |             |                                                                                  |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# P-220, P-220G and Scrubber Series, 1" Valve



## P-220, P-220G and Scrubber Series, 1" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                          |
|-------------|--------------------|-------------|-----------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------------|
| 1           | 102-3756           | 1           | Metering Rod Assy., P-220                                       | 13          | 834101             | 1           | Valve Assy., Schrader                                                       |
| 2           | 118-1721           | 7           | Hex Nut, Flanged                                                | 14          | 102-0366           | 1           | Bonnet Assy.                                                                |
| 3           | 89-9780            | 1           | Handle, Flow Control                                            | 15          | 856202             | 1           | Stem Washer                                                                 |
| 4           | 102-0966           | 1           | Stem Assy., Flow Control                                        | 16          | 1033-H             | 1           | Bushing                                                                     |
| 5           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black) | 17          | H1040              | 1           | Spring                                                                      |
| 6           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                      | 18          | 102-0368           | 1           | Diaphragm Assy.                                                             |
| 6           | 118-5983           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                      | 19          | p220S-KIT-04       | 1           | Assy., Kit, Service, Scrubber, 1" (Includes Items 19 And 20) ♦              |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage, W/Surge Protection (Black Wires)          | 20          |                    | 1           | Valve Body Assy. ▲                                                          |
| 8           | 606902             | 1           | Handle, Bleed Plug                                              | 21          | 1054-H             | 1           | O-Ring, Body                                                                |
| 9           | 102-4787           | 1           | Bleed Plug                                                      | 22          | 2413               | 1           | O-Ring, Body Plug                                                           |
| 10          | 835203             | 1           | Cap, Vandal Resistant (Pressure Regulating Models Only)         | 23          | 536203             | 1           | Plug, Body, Npt & BSP                                                       |
| 11          | EZR-30             | 1           | Regulator Module, 30 Psi (Includes Item 10) ♦                   | 24          | 1009701            | 1           | O-Ring, Bleed Plug                                                          |
| 11          | EZR-100            | 1           | Regulator Module, 100 Psi (Includes Item 10) ♦                  | 25          | 118-6446           | 1           | Plunger Assy. (Used With Items 5 And 7)                                     |
| 12          | 89-9521            | 1           | Blanking Plug Assy. (Non-Pressure Regulating Models Only)       | 26          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015)                                  |
|             |                    |             |                                                                 |             | 102-0847           |             | Assy., Kit, Service, 1" & 1.5", P-220 (Includes Items 2-4, 12-14 And 17) ●■ |

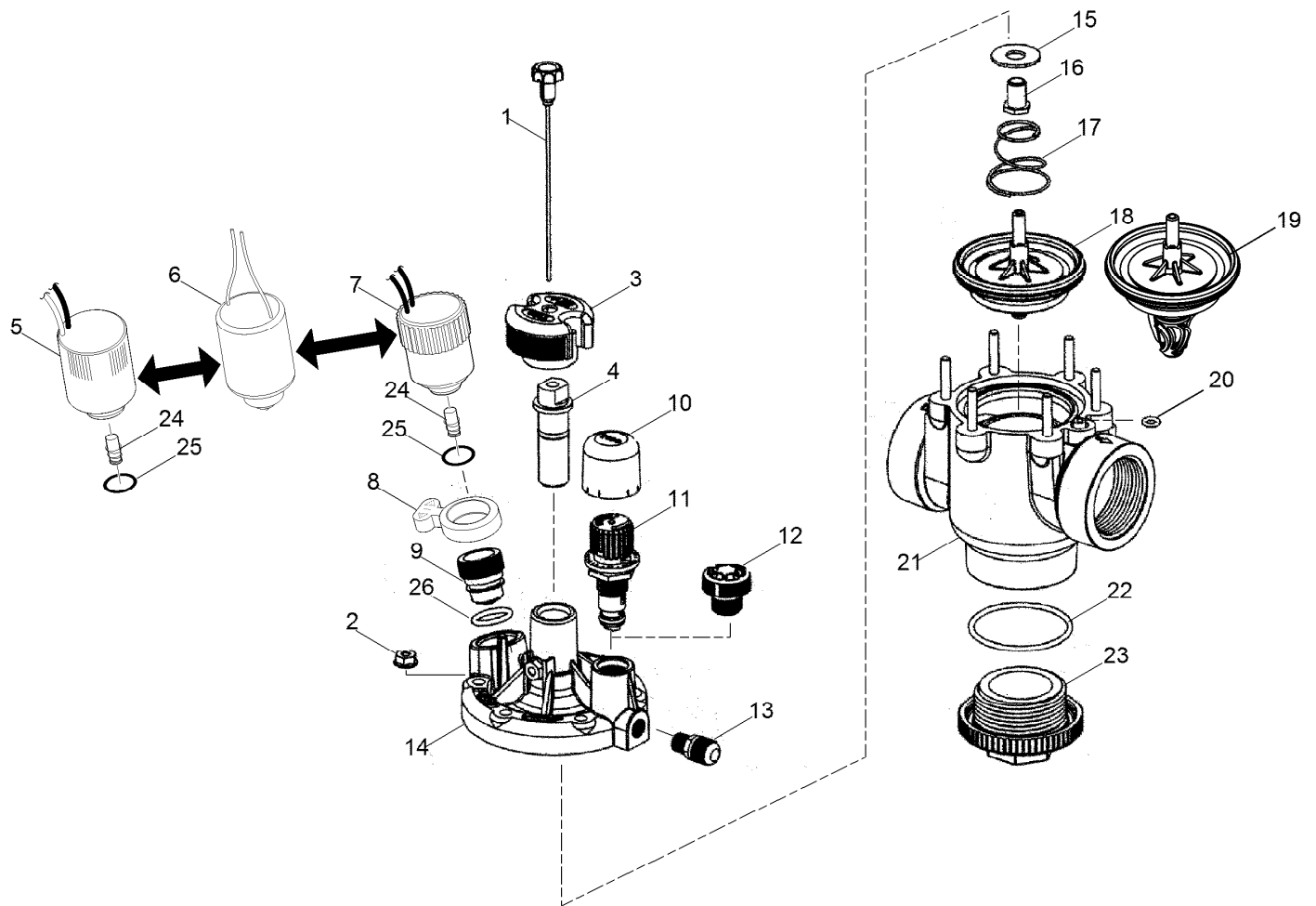
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# P-220, P-220G and Scrubber Series, 1.5" Valve



## P-220, P-220G and Scrubber Series, 1.5" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                     | <i>Ref.</i> | <i>Part Number</i>  | <i>Qty.</i> | <i>Description</i>                                                                                       |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------------|-------------|---------------------|-------------|----------------------------------------------------------------------------------------------------------|
| 1           | 102-3756           | 1           | Metering Rod Assy., P-220                                                              | 12          | 89-9521             | 1           | Blanking Plug Assy.<br>(Non-Pressure Regulating<br>Models Only)                                          |
| 2           | 118-1721           | 7           | Hex Nut, Flanged                                                                       | 13          | 834101              | 1           | Valve Assy., Schrader                                                                                    |
| 3           | 89-9780            | 1           | Handle, Flow Control                                                                   | 14          | 102-0366            | 1           | Bonnet Assy.                                                                                             |
| 4           | 102-0966           | 1           | Stem Assy., Flow Control                                                               | 15          | 856202              | 1           | Stem Washer                                                                                              |
| 5           | 102-2709           | 1           | Solenoid Assy., 24Vdc,<br>Latching (Red W/ White<br>Stripe And Black)                  | 16          | 1033-H              | 1           | Bushing                                                                                                  |
| 6           | 118-5982           | 4           | Solenoid Assy. With<br>Plunger, 24 Vac, 60 Hz                                          | 17          | H1040               | 1           | Spring                                                                                                   |
| 6           | 118-5983           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 50 Hz                                          | 18          | 102-0770            | 1           | Diaphragm Assy.                                                                                          |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage,<br>W/Surge Protection (Black<br>Wires)                           | 19          | P220S-KIT-06        | 1           | Assy., Kit, Service,<br>Scrubber, 1.5" (Includes<br>Items 19 And 20) ♦                                   |
| 8           | 606902             | 1           | Handle, Bleed Plug                                                                     | 20          | 1054-H              | 1           | O-Ring, Body                                                                                             |
| 9           | 102-4787           | 1           | Bleed Plug                                                                             | 21          |                     | 1           | Valve Body Assy. ▲                                                                                       |
| 10          | 835203             | 1           | Cap, Vandal Resistant<br>(Pressure Regulating<br>Models Only)                          | 22          | 363-4764            | 1           | O-Ring, Body Plug                                                                                        |
| 11          | EZR-30             | 1           | Regulator Module, 30 Psi<br>(Includes Item 10) (Pressure<br>Regulating Models Only) ♦  | 23          | 209406              | 1           | Plug, Body, Npt & BSP                                                                                    |
| 11          | EZR-100            | 1           | Regulator Module, 100 Psi<br>(Includes Item 10) (Pressure<br>Regulating Models Only) ♦ | 24          | 118-6446            | 1           | Plunger Assy. (Used With<br>Items 5 And 7)                                                               |
|             |                    |             |                                                                                        | 25          | 360-0220            | 1           | O-Ring, 0.070" X 0.551" X<br>0.691", El And Pr (Used<br>With Items 5 And 7)                              |
|             |                    |             |                                                                                        | 26          | 1009701<br>102-0847 | 1           | O-Ring, Bleed Plug<br>Assy., Kit, Service, 1" & 1.5",<br>P-220 (Includes Items 2-4,<br>12-14 And 17) ● ■ |

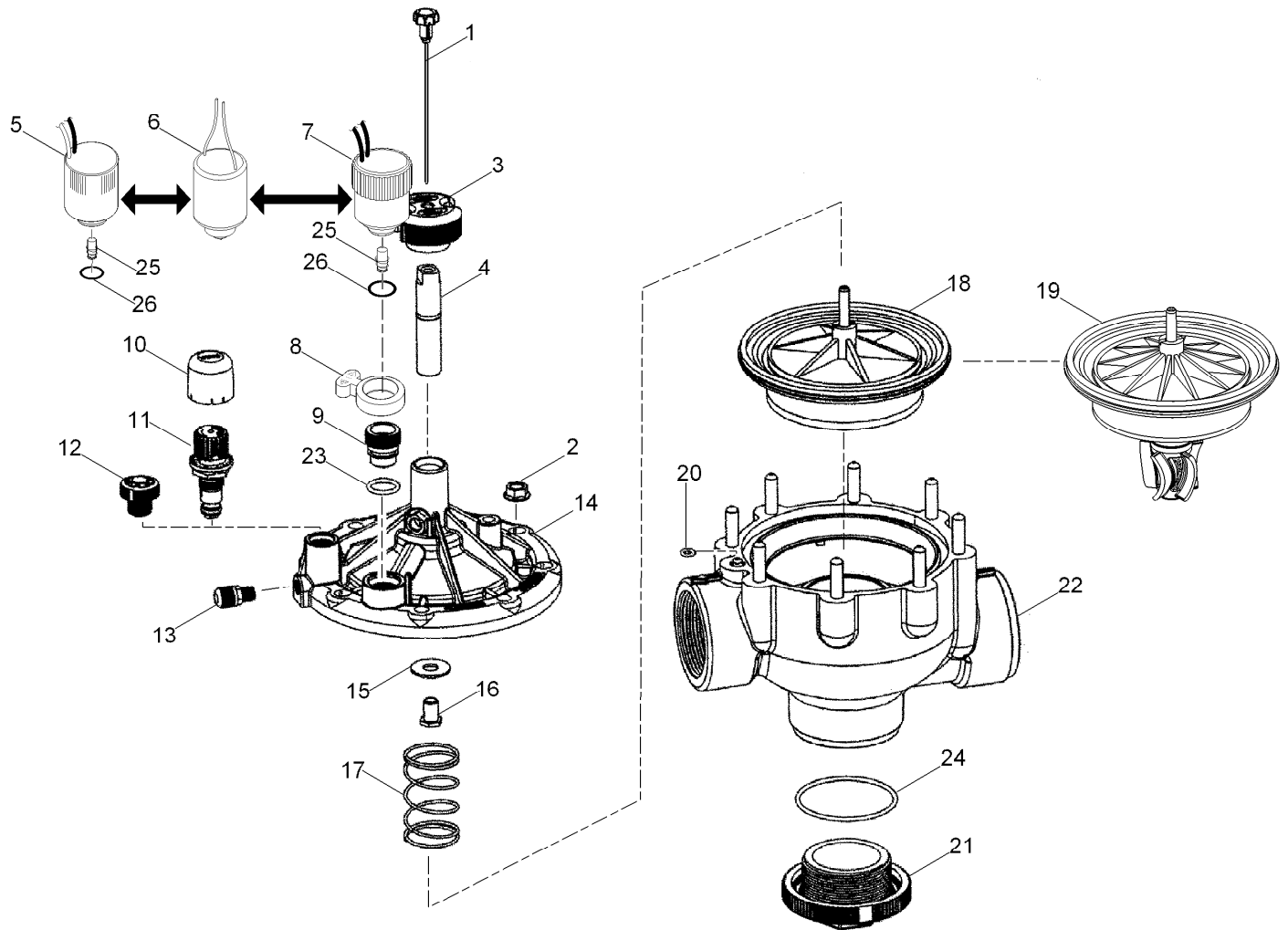
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# P-220, P-220G and Scrubber Series, 2" Valve



## P-220, P-220G and Scrubber Series, 2" Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                       |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------|
| 1           | 102-0943           | 1           | Metering Rod Assy., P-220                                                        | 13          | 834101             | 1           | Valve Assy., Schrader                                                    |
| 2           | 118-1722           | 9           | Nut-Hex Flange                                                                   | 14          | 102-0367           | 1           | Bonnet Assy.                                                             |
| 3           | 89-9780            | 1           | Handle, Flow Control                                                             | 15          | 1126               | 1           | Washer-Flat                                                              |
| 4           | 102-0967           | 1           | Stem Assy., Flow Control                                                         | 16          | 1033-H             | 1           | Bushing                                                                  |
| 5           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black)                  | 17          | 1041               | 1           | Spring, 2X3 SS                                                           |
| 6           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                                       | 18          | 934501             | 1           | Diaphragm Assy.                                                          |
| 6           | 118-5983           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                                       | 19          | P220S-KIT-08       | 1           | Assy., Kit, Service, 2" & 3" P-220 (Includes Items 19 And 20) ♦          |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage, W/Surge Protection (Black Wires)                           | 20          | 1054-H             | 1           | O-Ring, Body                                                             |
| 8           | 606902             | 1           | Handle, Bleed Plug                                                               | 21          | 209506-H           | 1           | Plug, Body, Npt                                                          |
| 9           | 102-4787           | 1           | Bleed Plug                                                                       | 21          | 209507             | 1           | Plug, Body, BSP                                                          |
| 10          | 835203             | 1           | Cap, Vandal Resistant (Pressure Regulating Models Only)                          | 22          |                    | 1           | Valve Body Assy. ▲                                                       |
| 11          | EZR-30             | 1           | Regulator Module, 30 Psi (Includes Item 10) (Pressure Regulating Models Only) ♦  | 23          | 1009701            | 1           | O-Ring, Bleed Plug                                                       |
| 11          | EZR-100            | 1           | Regulator Module, 100 Psi (Includes Item 10) (Pressure Regulating Models Only) ♦ | 24          | 935901             | 1           | O-Ring, Body Plug                                                        |
| 12          | 89-9521            | 1           | Blanking Plug Assy. (Non-Pressure Regulating Models Only)                        | 25          | 118-6446           | 1           | Plunger Assy. (Used With Items 5 And 7)                                  |
|             |                    |             |                                                                                  | 26          | 360-0220           | 1           | O-Ring, 0.070" X 0.551" X 0.691", El And Pr (Used In Items 5 And 7)      |
|             |                    |             |                                                                                  |             | 102-0848           |             | Assy., Kit, Service, 2" & 3" P-220 (Includes Items 1-3, 12-14 And 17)-●■ |

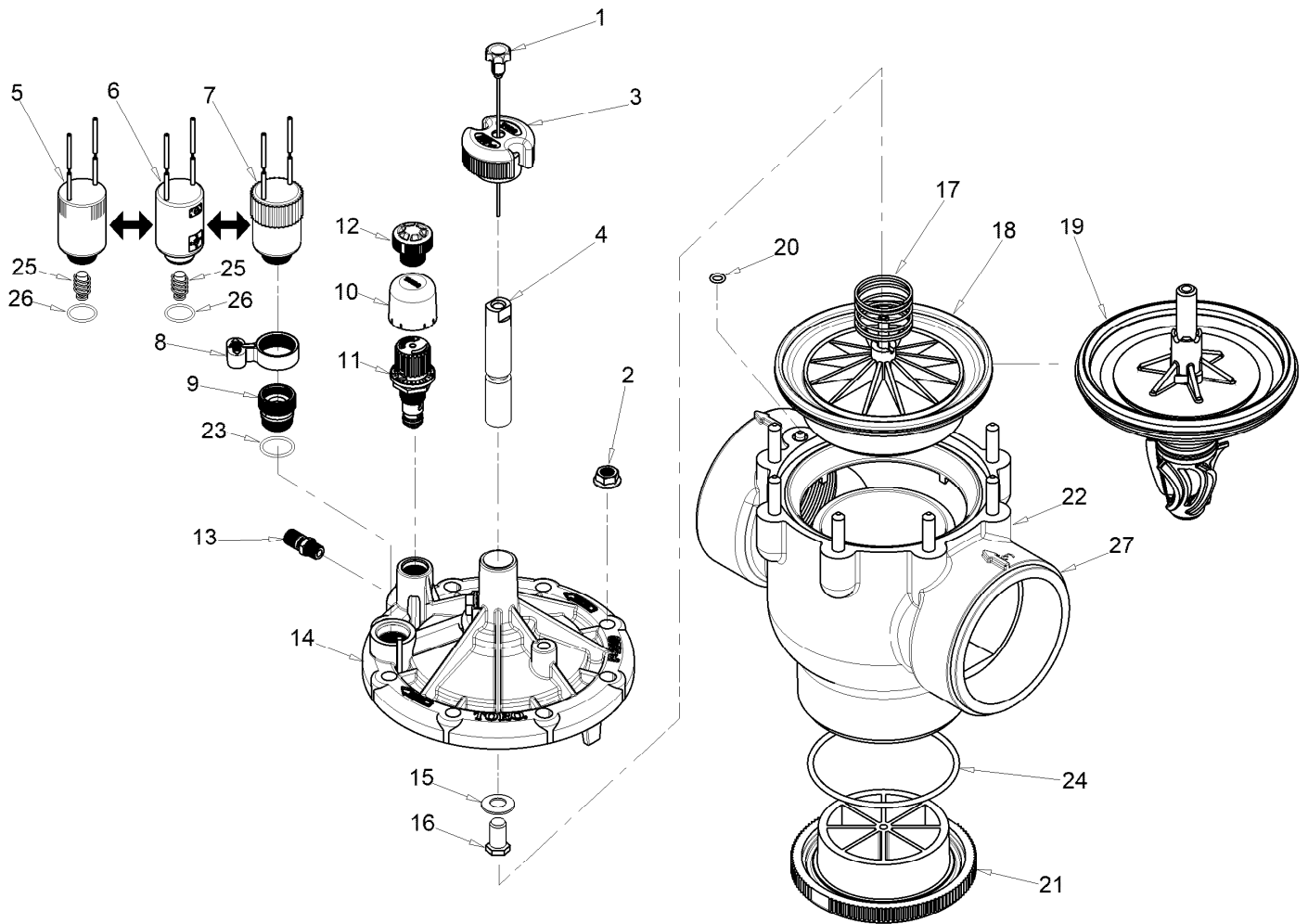
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# P-220 and Scrubber Series, 3' Valve





## P-220 and Scrubber Series, 3' Valve (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                         |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------|
| 1           | 102-0943           | 1           | Metering Rod Assy., P-220                                                        | 15          | 1126               | 1           | Washer-Flat                                                                |
| 2           | 118-1722           | 9           | Nut-Hex Flange                                                                   | 16          | 1033-H             | 1           | Bushing                                                                    |
| 3           | 89-9780            | 1           | Handle, Flow Control                                                             | 17          | 1041               | 1           | Spring, 2X3 SS                                                             |
| 4           | 102-0967           | 1           | Stem Assy., Flow Control                                                         | 18          | 935001             | 1           | Diaphragm Assy.                                                            |
| 5           | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (2-Wire Decoder)                                 | 19          | P220S-KIT-010      | 1           | Diaphragm Kit, Scrubber, 3 Inch ◆                                          |
| 6           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                                       | 19          | P220S-KIT-00       | 1           | Diaphragm Kit, Scrubber, 3 □                                               |
| 6           | 102-7054           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                                       | 20          | 1054-H             | 1           | O-Ring, Body                                                               |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage, W/Surge Protection (Black Wires)                           | 21          | 209605-H           | 1           | Plug, Body, Npt                                                            |
| 8           | 606902             | 1           | Handle, Bleed Plug                                                               | 21          | 209606-H           | 1           | Plug, Body, BSP                                                            |
| 9           | 102-4787           | 1           | Bleed Plug                                                                       | 22          |                    | 1           | Valve Body Assy. ▲                                                         |
| 10          | 835203             | 1           | Cap, Vandal Resistant (Pressure Regulating Models Only)                          | 23          | 1009701            | 1           | O-Ring, Bleed Plug                                                         |
| 11          | EZR-30             | 1           | Regulator Module, 30 Psi (Includes Item 10) (Pressure Regulating Models Only) □  | 24          | RS100-238-70N      | 1           | Plunger Assy. (Used With Items 5 And 7)                                    |
| 11          | EZR-100            | 1           | Regulator Module, 100 Psi (Includes Item 10) (Pressure Regulating Models Only) □ | 25          | 118-6446           | 1           | Plunger Assy.                                                              |
| 12          | 89-9521            | 1           | Blanking Plug Assy. (Non-Pressure Regulating Models Only)                        | 26          | 360-0220           | 1           | O-Ring (0.070 X 0.551 X 0.691) (As568-015) (Used With Items 5 And 7)       |
| 13          | 834101             | 1           | Valve Assy., Schrader                                                            | 27          | R934901            | 1           | P-220 Body Kit, Npt (For P220-Xx-00 And P220S-Xx-00 Models Only)           |
| 14          | 102-0367           | 1           | Bonnet Assy.                                                                     | 27          | R934902            | 1           | P-220 Body Kit, BSP (For P220-Xx-00 And P220S-Xx-00 Models Only)           |
|             |                    |             |                                                                                  |             | 102-0848           |             | Assy., Kit, Service, 2" & 3" P-220 (Includes Items 1-3, 12-14 And 17)) ● ■ |

● SERVICE ITEMS

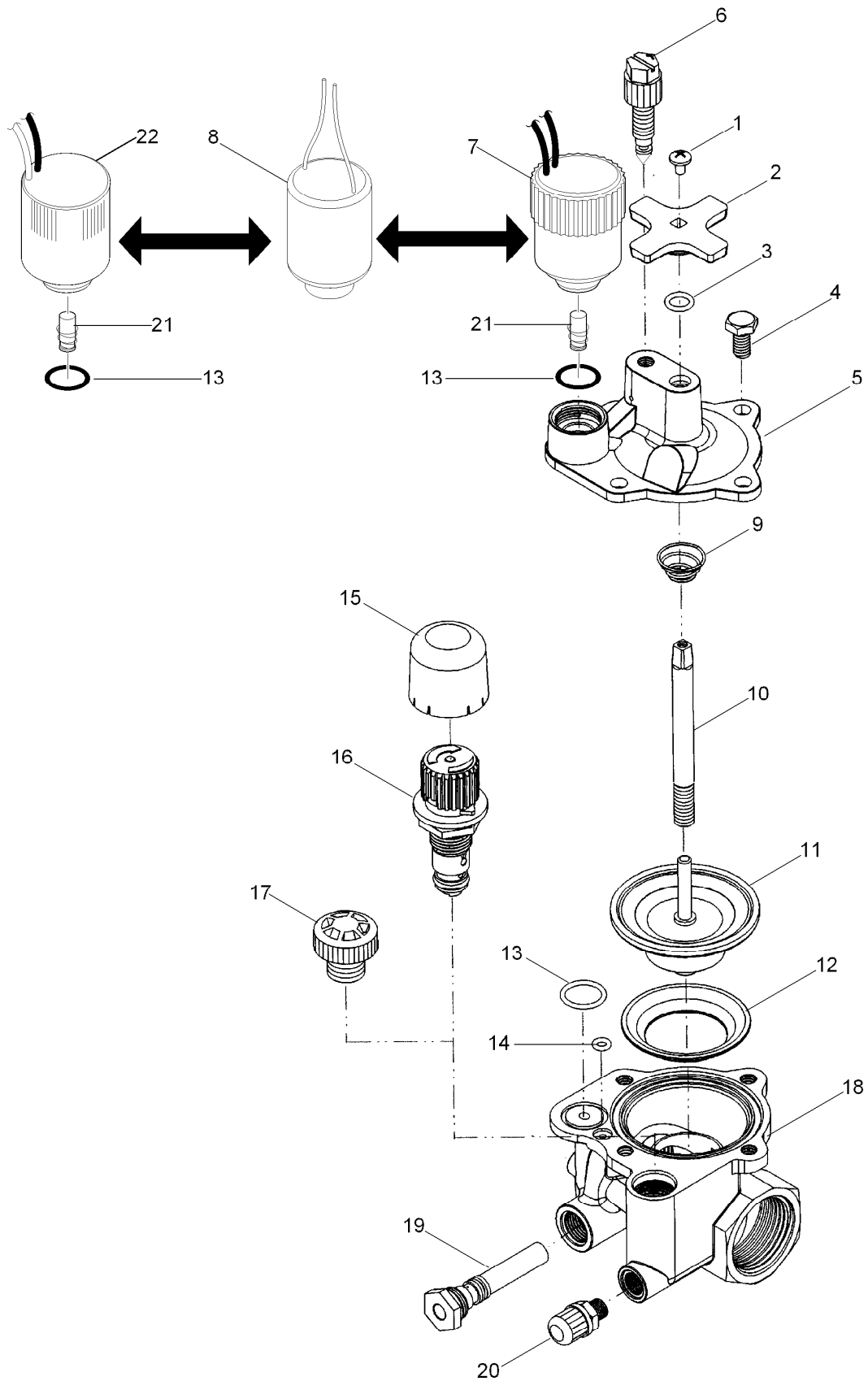
▲ Not serviced separately

◆ Order Through Finished Goods Distribution System?Minneapolis

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# 220, 220G Series, 1" Valve, Pressure Reg.



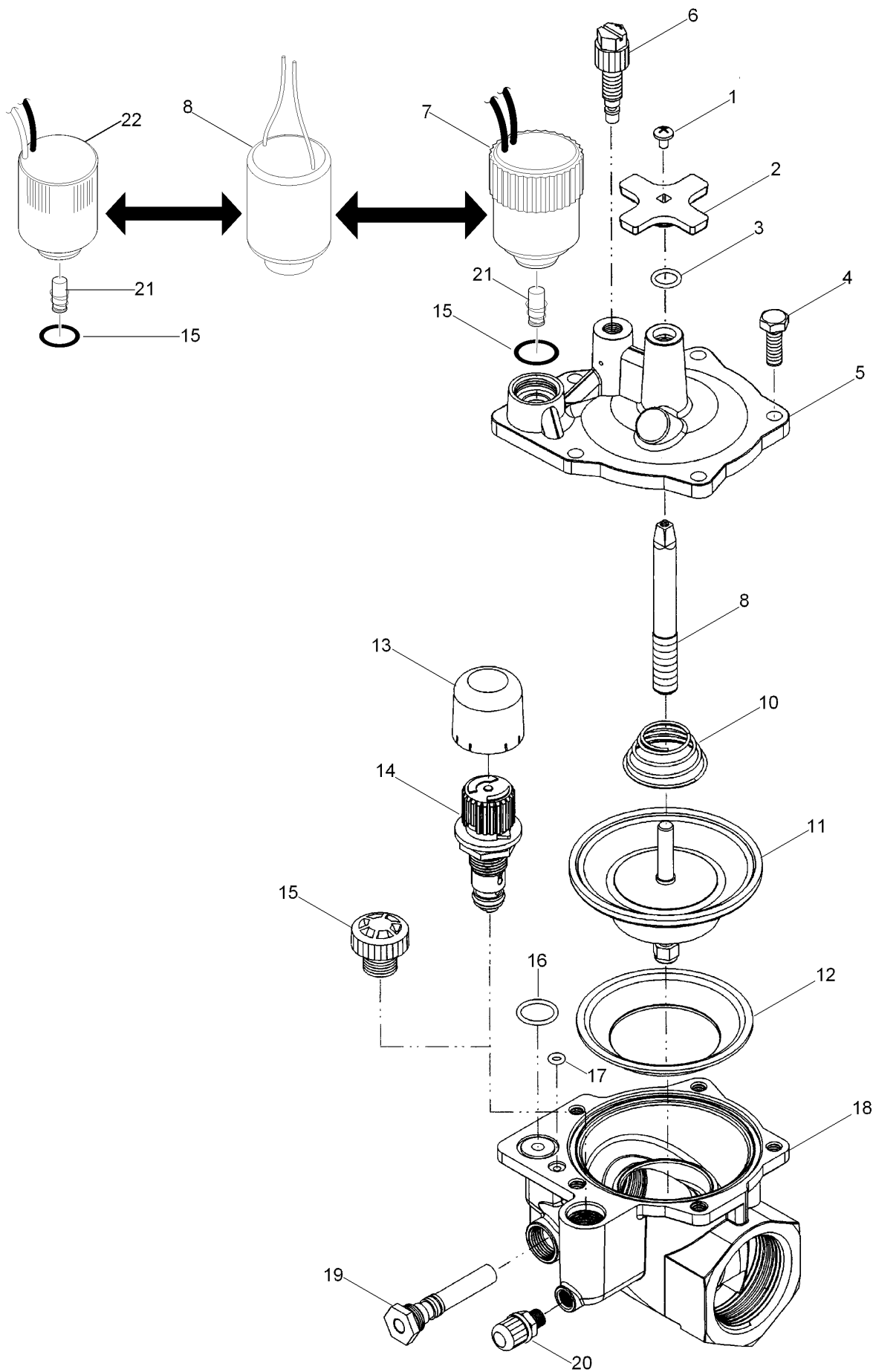
## 220, 220G Series, 1" Valve, Pressure Reg. (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                    |
|-------------|--------------------|-------------|---------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------|
| 1           | 360-0498           | 1           | Screw, Machine, 8-32 X 1/4"                                         | 15          | 835203             | 1           | Cap, Vandal Resistant<br>(Pressure Regulating<br>Models Only)         |
| 2           | 9-4527             | 1           | Handle, Cross                                                       | 16          | EZR-30             | 1           | Regulator Module, 30 Psi<br>(Includes Item 15) ■                      |
| 3           | 360-0107           | 1           | O-Ring                                                              | 16          | EZR-100            | 1           | Regulator Module, 100 Psi<br>(Includes Item 15) ■                     |
| 4           | 363-8634           | 4           | Screw-Cap, HH                                                       | 17          | 89-9521            | 1           | Blanking Plug Assy.<br>(Non-Pressure Regulating<br>Models Only)       |
| 5           | 89-9538            | 1           | Cap, Valve                                                          | 18          |                    | 1           | Body, Brass (Pressure<br>Regulated) ●                                 |
| 6           | 102-0208           | 1           | Bleed Screw Assy.                                                   | 19          | 102-0690           | 1           | Filter Assy., Metering, 1" &<br>1.5"                                  |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage,<br>W/Surge Protection (Black<br>Wires)        | 20          | 834101             | 1           | Valve Assy., Schrader                                                 |
| 8           | 118-5982           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 60 Hz                       | 21          | 118-6446           | 1           | Plunger Assy. (Used With<br>Items 22 And 7)                           |
| 8           | 118-5983           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 50 Hz                       | 22          | 102-2709           | 1           | Solenoid Assy., 24Vdc,<br>Latching (Red W/ White<br>Stripe And Black) |
| 9           | 9-5146             | 1           | Spring, Diaphragm                                                   |             |                    |             |                                                                       |
| 10          |                    | 1           | Stem Assembly ●                                                     |             |                    |             |                                                                       |
| 11          | 9-5359             | 1           | Diaphragm Assy., 1" Brass                                           |             |                    |             |                                                                       |
| 12          | 35-2639            | 1           | Support, Diaphragm                                                  |             |                    |             |                                                                       |
| 13          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X<br>0.691) (As568-015) (Used<br>With Item 7) |             |                    |             |                                                                       |
| 14          | 360-0530           | 1           | O-Ring, El And Pr (0.070 X<br>0.145 X 0.285)                        |             |                    |             |                                                                       |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# 220, 220G Series, 1.25" and 1.5", Pressure Reg.



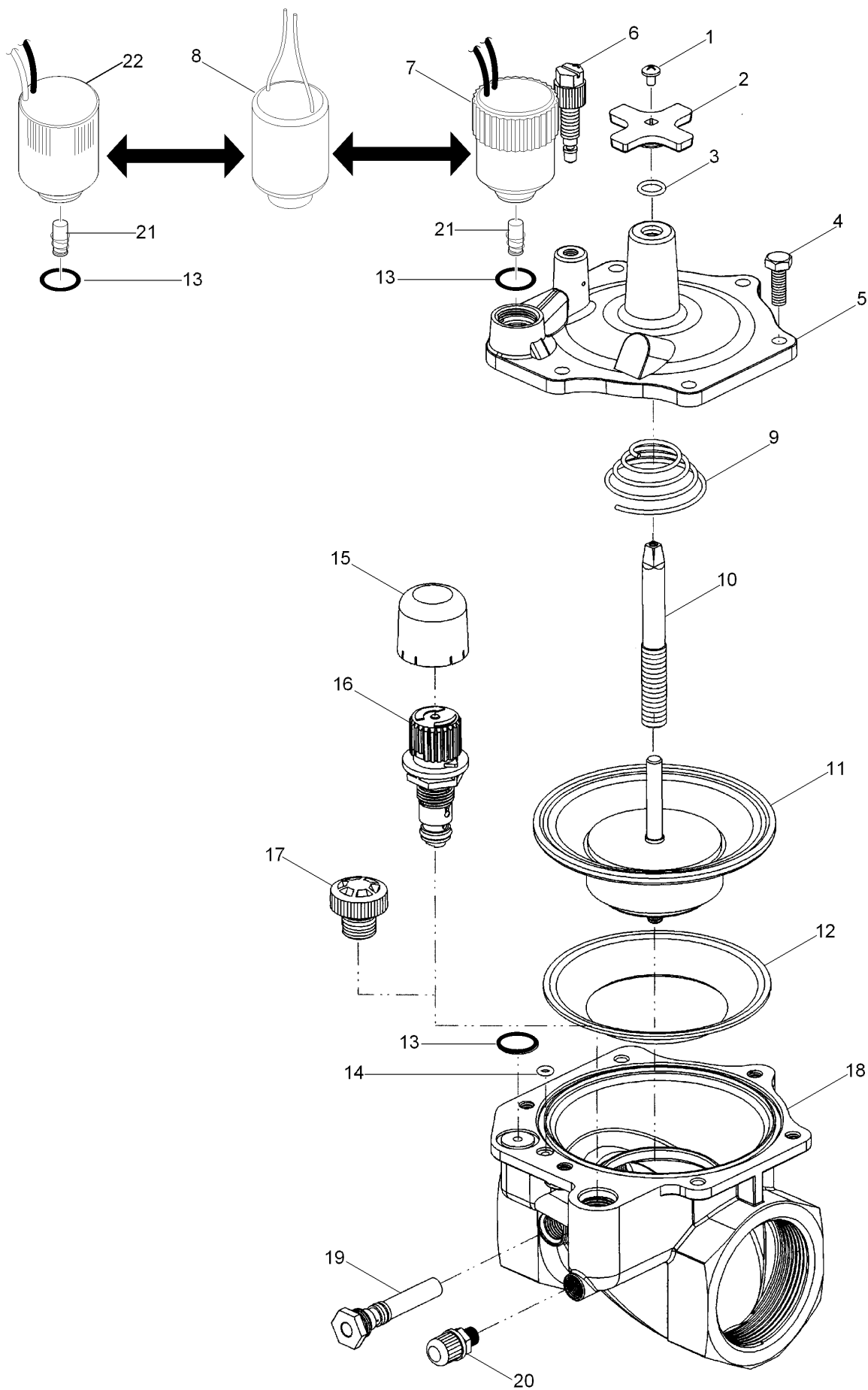
## 220, 220G Series, 1.25" and 1.5", Pressure Reg. (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              |
|-------------|--------------------|-------------|----------------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------|
| 1           | 360-0498           | 1           | Screw, Machine, 8-32 X 1/4"                                                      | 14          | EZR-100            | 1           | Regulator Module, 100                                           |
| 2           | 9-4527             | 1           | Handle, Cross                                                                    |             |                    |             | Psi (Used With Item 13)                                         |
| 3           | 360-0493           | 1           | O-Ring, 0.070 X 0.364 X 0.504                                                    |             |                    |             | (Pressure Regulating Models Only) ■                             |
| 4           | 360-0499           | 5           | Screw, Machine, 1/4-20 X 3/4"                                                    | 15          | 89-9521            | 1           | Blanking Plug Assy. (Non-Pressure Regulating Models Only)       |
| 5           | 89-9539            | 1           | Cap, Valve                                                                       | 16          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X 0.691) (As568-015) (Used With Item 7)   |
| 6           | 102-0208           | 1           | Bleed Screw Assy.                                                                | 17          | 360-0530           | 1           | O-Ring, El And Pr (0.070 X 0.145 X 0.285)                       |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage, W/Surge Protection (Black Wires)                           | 18          |                    | 1           | Body, Brass (Pressure Regulated) ●                              |
| 8           | 118-5982           | 1           | Solenoid Assy. With Plunger, 24 Vac, 60 Hz                                       | 19          | 102-0690           | 1           | Filter Assy., Metering, 1" & 1.5"                               |
| 8           | 118-5983           | 1           | Solenoid Assy. With Plunger, 24 Vac, 50 Hz                                       | 20          | 834101             | 1           | Valve Assy., Schrader                                           |
| 8           | 9-4424             | 1           | Stem, Flow Control                                                               | 21          | 118-6446           | 1           | Plunger Assy. (Used With Items 22 And 7)                        |
| 10          | 102-0637           | 1           | Spring, Diaphragm                                                                | 22          | 102-2709           | 1           | Solenoid Assy., 24Vdc, Latching (Red W/ White Stripe And Black) |
| 11          | 9-5361             | 1           | Diaphragm Assy., 1.5" And 1.25"                                                  |             |                    |             |                                                                 |
| 12          | 35-2452            | 1           | Support, Diaphragm                                                               |             |                    |             |                                                                 |
| 13          | 835203             | 1           | Cap, Vandal Resistant (Pressure Regulating Models Only)                          |             |                    |             |                                                                 |
| 14          | EZR-30             | 1           | Regulator Module, 30 Psi (Used With Item 13) (Pressure Regulating Models Only) ■ |             |                    |             |                                                                 |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

## 220, 220G Series, 2" Valve, Pressure Reg.

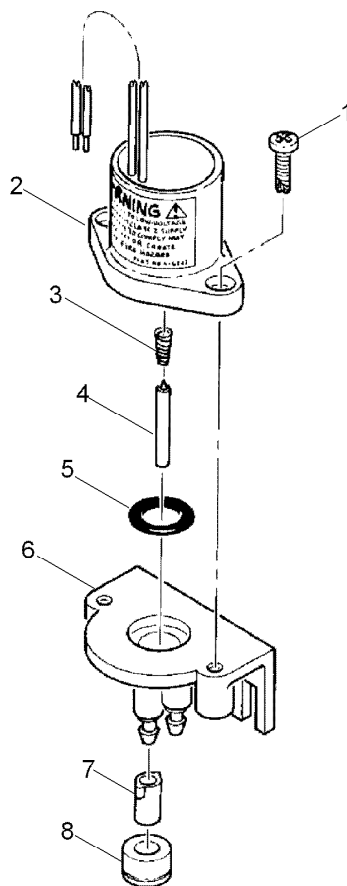


## 220, 220G Series, 2" Valve, Pressure Reg. (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                     |
|-------------|--------------------|-------------|---------------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------------------|
| 1           | 360-0498           | 1           | Screw, Machine, 8-32 X 1/4"                                         | 15          | 835203             | 1           | Cap, Vandal Resistant<br>(Pressure Regulating<br>Models Only)                          |
| 2           | 9-4527             | 1           | Handle, Cross                                                       | 16          | EZR-30             | 1           | Regulator Module, 30 Psi<br>(Includes Item 16) (Pressure<br>Regulating Models Only) ■  |
| 3           | 360-0493           | 1           | O-Ring, 0.070 X 0.364 X<br>0.504                                    | 16          | EZR-100            | 1           | Regulator Module, 100 Psi<br>(Includes Item 16) (Pressure<br>Regulating Models Only) ■ |
| 4           | 360-0499           | 6           | Screw, Machine, 1/4-20 X<br>3/4"                                    | 17          | 89-9521            | 1           | Blanking Plug Assy.<br>(Non-Pressure Regulating<br>Models Only)                        |
| 5           | 89-9540            | 1           | Cap, Valve                                                          | 18          |                    | 1           | Body, Brass ●                                                                          |
| 6           | 102-0208           | 1           | Bleed Screw Assy.                                                   | 19          | 102-0691           | 1           | Filter Assy., Metering, 2"                                                             |
| 7           | 102-3443           | 1           | Solenoid-Low Wattage,<br>W/Surge Protection (Black<br>Wires)        | 20          | 834101             | 1           | Valve Assy., Schrader<br>(Pressure Regulating<br>Models Only)                          |
| 8           | 118-5982           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 60 Hz                       | 21          | 118-6446           | 1           | Plunger Assy. (Used With<br>Items 22 And 7)                                            |
| 8           | 118-5983           | 1           | Solenoid Assy. With<br>Plunger, 24 Vac, 50 Hz                       | 22          | 102-2709           | 1           | Solenoid Assy., 24Vdc,<br>Latching (Red W/ White<br>Stripe And Black)                  |
| 9           | 89-1652            | 1           | Spring, Diaphragm                                                   |             |                    |             |                                                                                        |
| 10          | 9-4543             | 1           | Stem, Flow Control                                                  |             |                    |             |                                                                                        |
| 11          | 9-5363             | 1           | Diaphragm, Assy., 2"                                                |             |                    |             |                                                                                        |
| 12          | 9-4541             | 1           | Support, Diaphragm                                                  |             |                    |             |                                                                                        |
| 13          | 360-0220           | 2           | O-Ring (0.070 X 0.551 X<br>0.691) (As568-015) (Used<br>With Item 7) |             |                    |             |                                                                                        |
| 14          | 360-0530           | 1           | O-Ring, El And Pr (0.070 X<br>0.145 X 0.285)                        |             |                    |             |                                                                                        |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

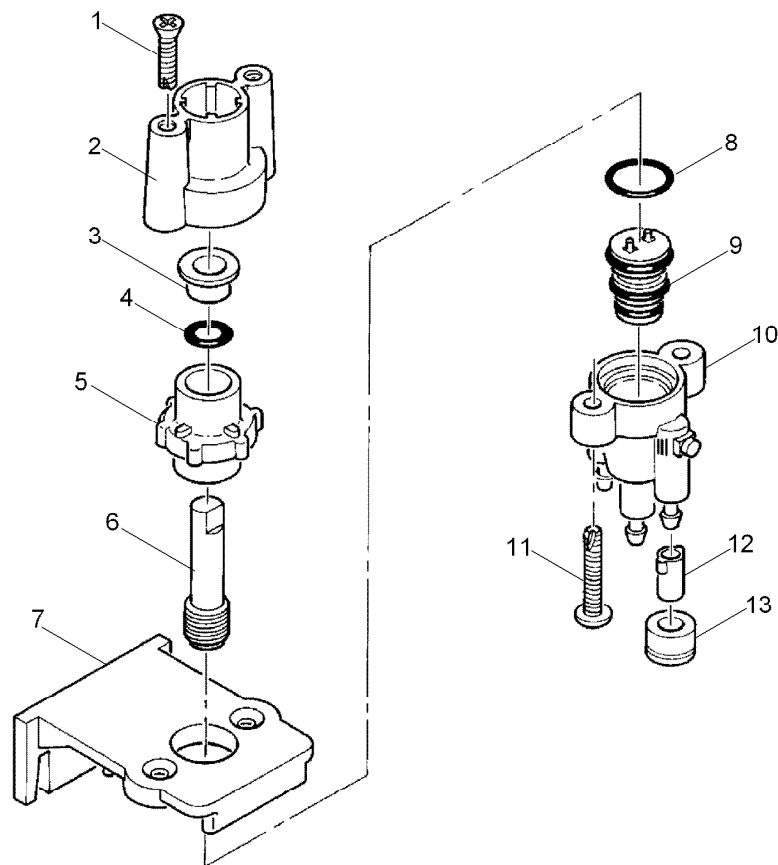


## 2-Way Pilot Valve

| Ref. | Part Number | Qty. | Description                                            |
|------|-------------|------|--------------------------------------------------------|
| 1    | 360-0715    | 2    | Screw, Tap, #10                                        |
| 2    | 89-0878     | 1    | Solenoid And Plunger Assy., EI<br>(Includes Items 2-4) |
| 3    | 9-6148      | 1    | Spring-Plunger, Solenoid, EI                           |
| 4    | 9-6527      | 1    | Plunger Assy., EI                                      |
| 5    | 2-9652      | 1    | O-Ring, 7/16" X 5/8", No (As568-111)                   |
| 6    | 9-8280      | 1    | Body Assy., Valve                                      |
| 7    | 89-8157     | 2    | Cap, 1/4", Poly, No                                    |
| 8    | 900-40      | 2    | Retainer, Tube ●                                       |

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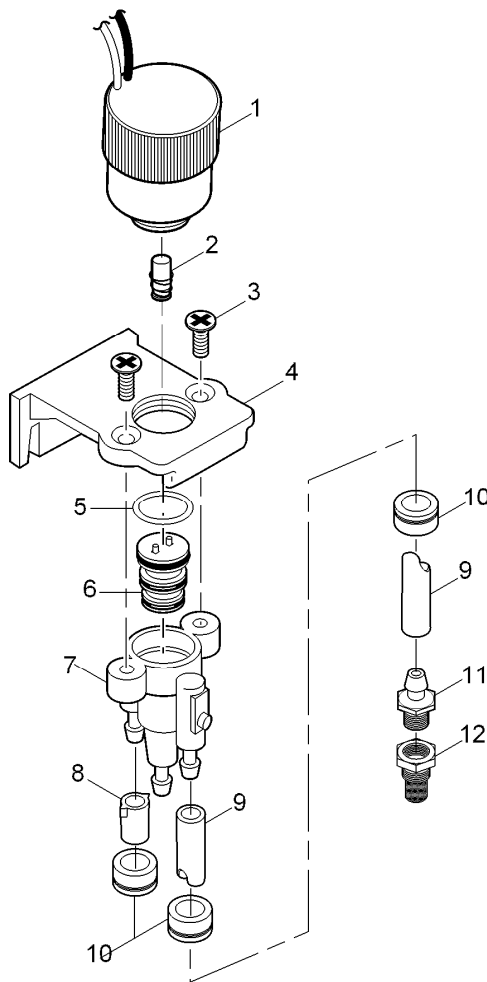


## Manual Valve Actuator

| Ref. | Part Number | Qty. | Description                                   |
|------|-------------|------|-----------------------------------------------|
| 1    |             | 2    | Screw, Tap, #8 ●                              |
| 2    |             | 1    | Adapter (Includes Item 3) ●                   |
| 3    |             | 1    | Retainer, O-Ring ●                            |
| 4    | 2-9652      | 1    | O-Ring, 7/16" X 5/8", No (As568-111)          |
| 5    |             | 1    | Cap ●                                         |
| 6    |             | 1    | Stem, Control ●                               |
| 7    |             | 1    | Bracket, Mounting ●                           |
| 8    | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691)<br>(As568-015) |
| 9    | 102-5599    | 1    | Actuator Assy. (Includes O-Rings)             |
| 10   | 35-0992     | 1    | Body Assy., Pilot Valve                       |
| 11   |             | 2    | Screw, Tap, #8 ●                              |
| 12   | 89-8157     | 3    | Cap, 1/4", Poly, No                           |
| 13   | 900-40      | 3    | Retainer, Tube ■                              |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis



## 3-Way Actuator

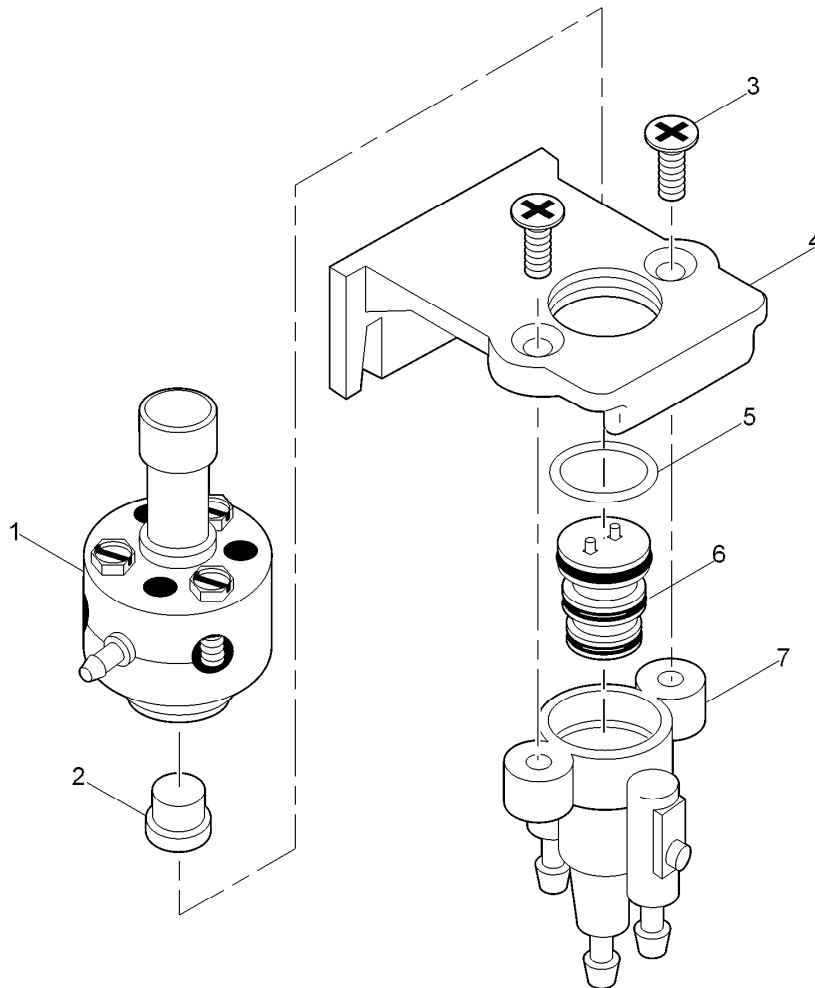
| Ref. | Part Number | Qty. | Description                                                          |
|------|-------------|------|----------------------------------------------------------------------|
| 1    | 89-1673     | 1    | Solenoid ASM                                                         |
| 2    | 118-0262    | 1    | Plunger Assy. With Spring, EI                                        |
| 3    |             | 2    | Screw, Machine, 10-24 X 1/2" ▲                                       |
| 4    |             | 1    | Bracket, Mounting ▲                                                  |
| 5    | 360-0220    | 1    | O-Ring (0.070 X 0.551 X 0.691)<br>(As568-015)                        |
| 6    | 102-5599    | 1    | Actuator Assy. (Includes O-Rings)                                    |
| 7    | 35-0992     | 1    | Body Assy., Pilot Valve (Used With<br>286-66-01)                     |
| 8    | 89-8157     | 1    | Cap, 1/4", Poly, No (Used With<br>286-66-01)                         |
| 9    |             | 1    | Tube, 1/4" X 36" (Used With 286-66-01)<br>▲                          |
| 10   | 900-40      | 3    | Retainer, Tube, Pr And Cr (Used With<br>286-66-01) ◆                 |
| 11   | 900-24      | 1    | Adapter-Poly, 1/8" X 1/4"                                            |
| 12   | 995-14      | 1    | Fitting, Screen (Used With 286-66-01)                                |
|      | 35-4603     |      | Kit, Service Assy. (Includes Items 3-7)<br>(Used With 286-66-01) ● ■ |
|      | 35-4602     |      | Kit, Service Assy. (Includes Items 3-7)<br>(Use With 9-8482) ● ■     |

● SERVICE ITEMS

▲ Not serviced separately

◆ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

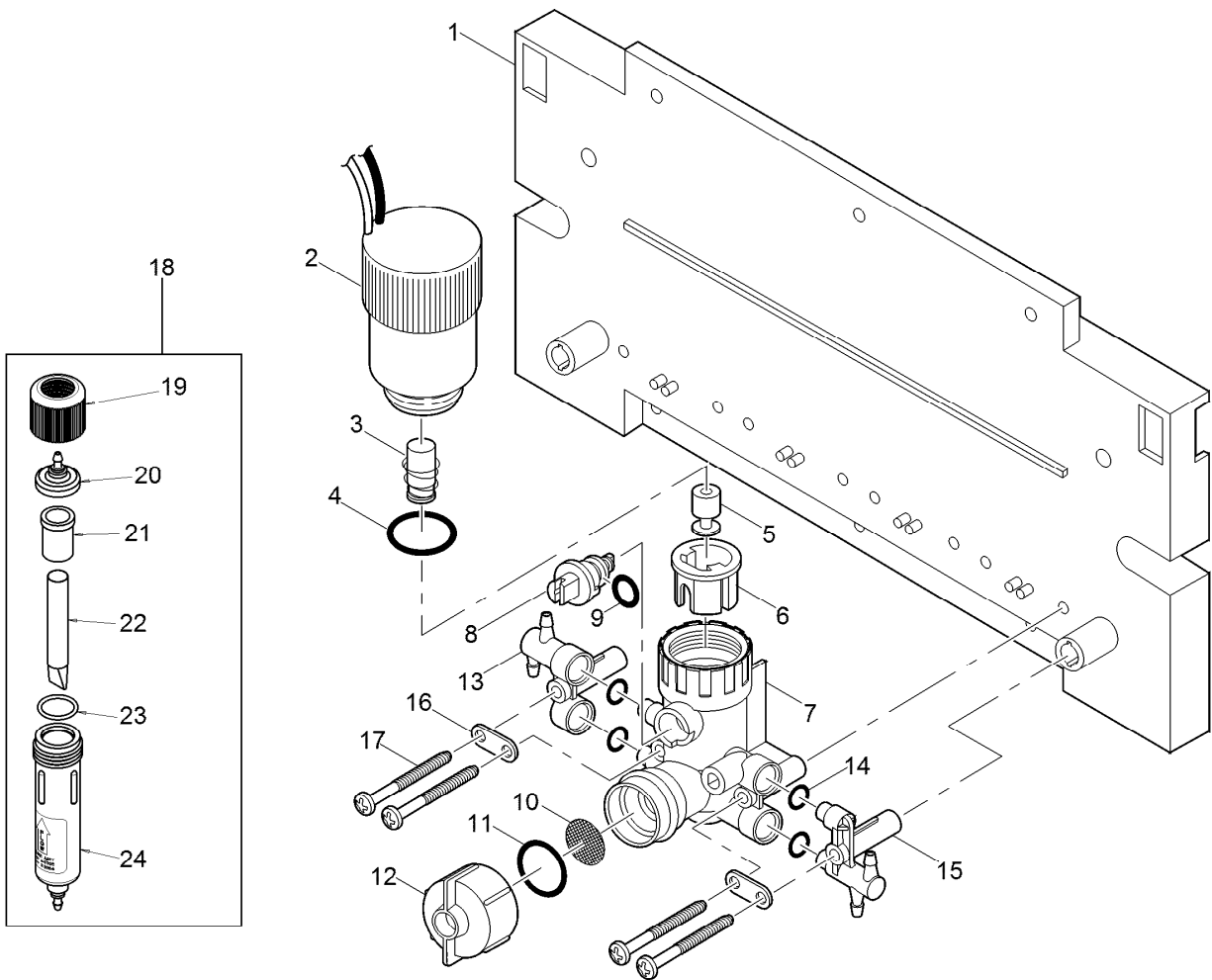


### 3-Way Actuator, (NC)

| Ref. | Part Number | Qty. | Description                                    |
|------|-------------|------|------------------------------------------------|
| 1    | 89-6005     |      | Adapter-Pilot Valve, NC                        |
| 2    |             |      | Shuttle ▲                                      |
| 3    |             |      | Screw, Machine, 10-24 X 1/2" ▲                 |
| 4    |             |      | Bracket, Mounting ▲                            |
| 5    | 360-0220    |      | O-Ring (0.070 X 0.551 X 0.691)<br>(As568-015)  |
| 6    | 102-5599    |      | Actuator Assy. (Includes O-Rings)              |
| 7    |             | 1    | Body Assy., Pilot Valve ▲                      |
|      | 35-4603     |      | Kit, Service Assy. (Includes Items 3-7)<br>● ■ |

● SERVICE ITEMS  
▲ Not serviced separately

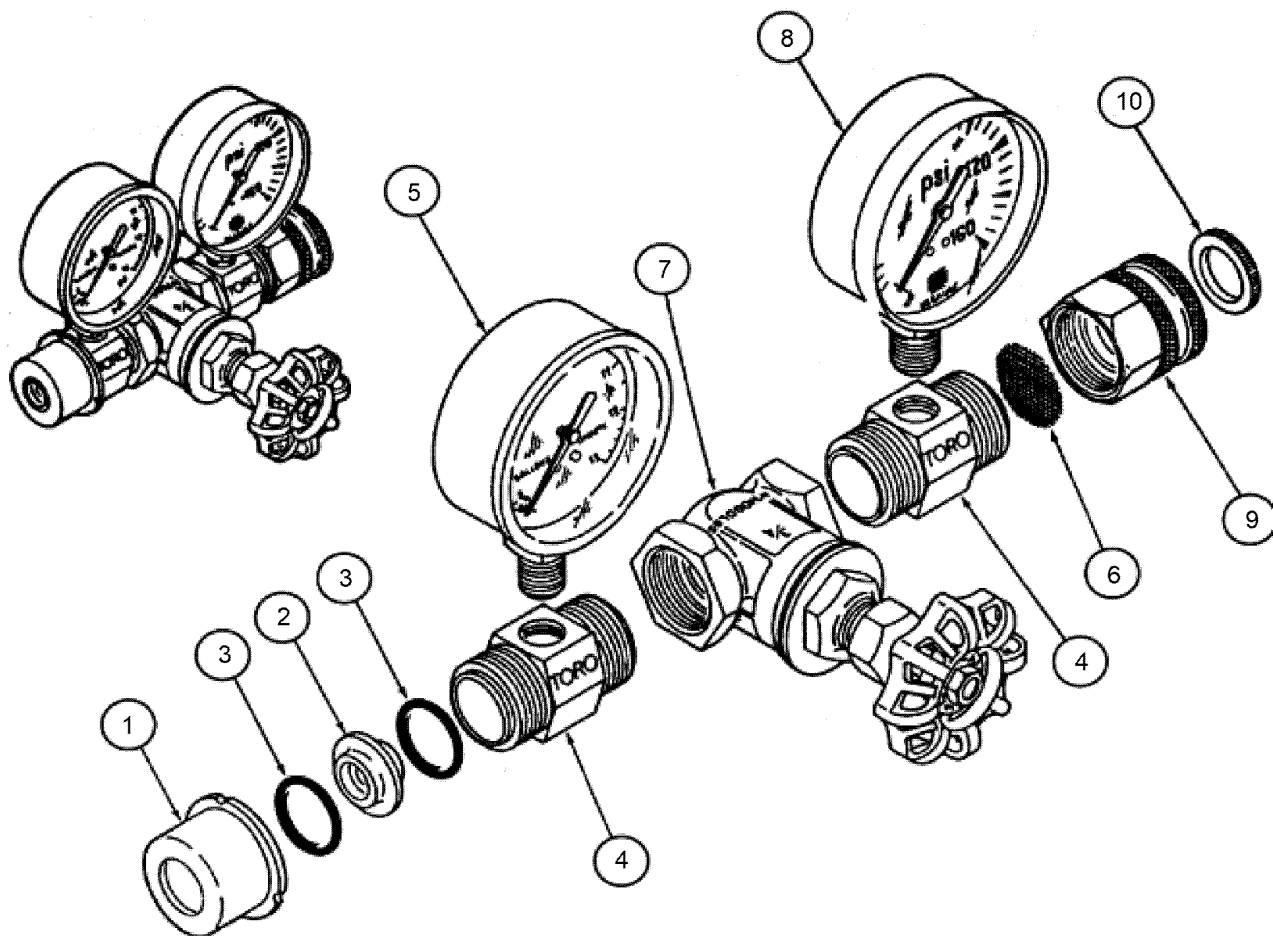
■ Not illustrated



## Electric-Hydraulic Converter Module Assembly

| Ref. | Part Number | Qty. | Description                                |
|------|-------------|------|--------------------------------------------|
| 1    | 89-1662     | 1    | Baseplate                                  |
| 2    | 89-5985     | 4    | Solenoid Assy.                             |
| 3    | 118-0262    | 4    | Plunger Assy. With Spring, EI              |
| 4    | 360-0220    | 4    | O-Ring (0.070 X 0.551 X 0.691) (As568-015) |
| 5    | 102-5359    | 4    | Plunger, Shuttle                           |
| 6    | 102-5360    | 4    | Sleeve                                     |
| 7    | 89-8203     | 4    | Body Assy., No With White Pins On Actuator |
| 7    | 89-8204     | 4    | Body Assy., NC With Black Pins On Actuator |
| 8    | 102-4636    | 4    | Stem, Manual, No (White)                   |
| 8    | 102-4637    | 4    | Stem, Manual, NC (Black)                   |
| 9    | 360-0497    | 4    | O-Ring                                     |
| 10   | 89-0371     | 4    | Screen, Filter                             |
| 11   | 360-0402    | 4    | O-Ring                                     |

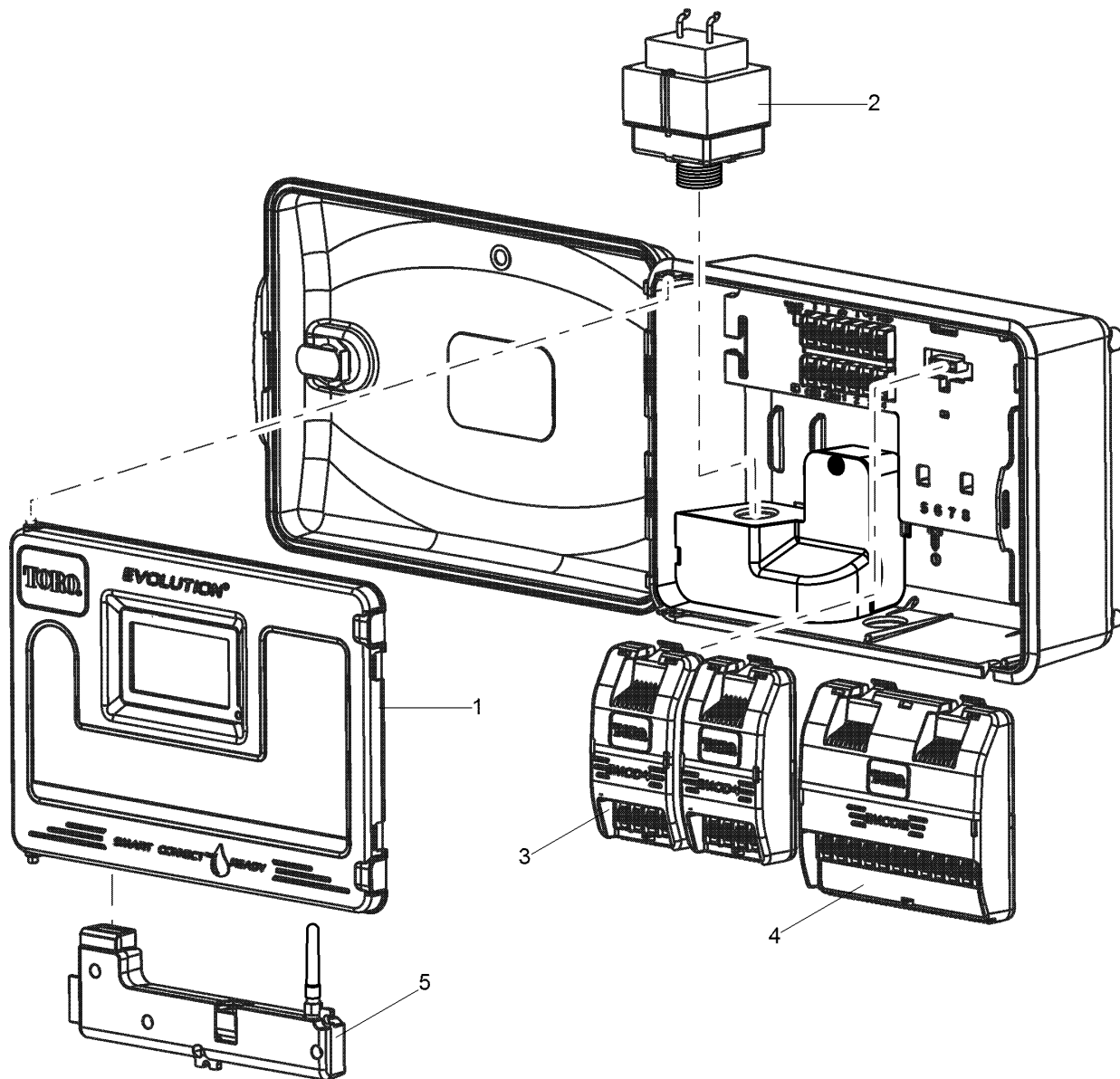
| Ref. | Part Number | Qty. | Description                         |
|------|-------------|------|-------------------------------------|
| 12   | 102-4638    | 4    | Cap, Filter                         |
| 12   | 89-8205     | 4    | Cap Assy., Blind                    |
| 13   | 102-4641    | 1    | Tee, Female                         |
| 14   | 2-9654      | 10   | O-Ring                              |
| 15   | 102-4642    | 1    | Tee, Male                           |
| 16   | 89-1675     | 2    | Strap, Tie                          |
| 17   | 363-3158    | 7    | Screw, #6 X 1.25"                   |
| 18   | 9-8364      | 1    | Filter Assy. (Includes Items 19-24) |
| 19   | 9-8276      | 1    | Collar, Filter                      |
| 20   | 35-9948     | 1    | Filter Cap W/ Fitting, 1/4 Inch     |
| 21   | 9-8279      | 1    | Mount, Filter Screen                |
| 22   | 9-6415      | 1    | Filter Screen, Fine Mesh            |
| 23   | 360-0487    | 1    | O-Ring, Filter                      |
| 24   | 35-9948     | 1    | Filter Body, 1/4 Inch               |



## Flow Gauge, 995-01

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 9-4576      | 1    | Threaded Insert, 3/4" |
| 2    | 5-311       | 1    | Orifice Plate         |
| 3    | 360-0596    | 2    | O-Ring                |
| 4    | 9-6023      | 2    | Nipple                |
| 5    | 5-309       | 1    | Flow Gauge            |
| 6    | 5-307       | 1    | Filter Screen         |
| 7    |             | 1    | Gate Valve, 3/4" ●    |
| 8    | 5-308       | 1    | Pressure Gauge        |
| 9    | 5-303       | 1    | Hose To Pipe Fitting  |
| 10   |             | 1    | Hose Washer, 3/4" ●   |

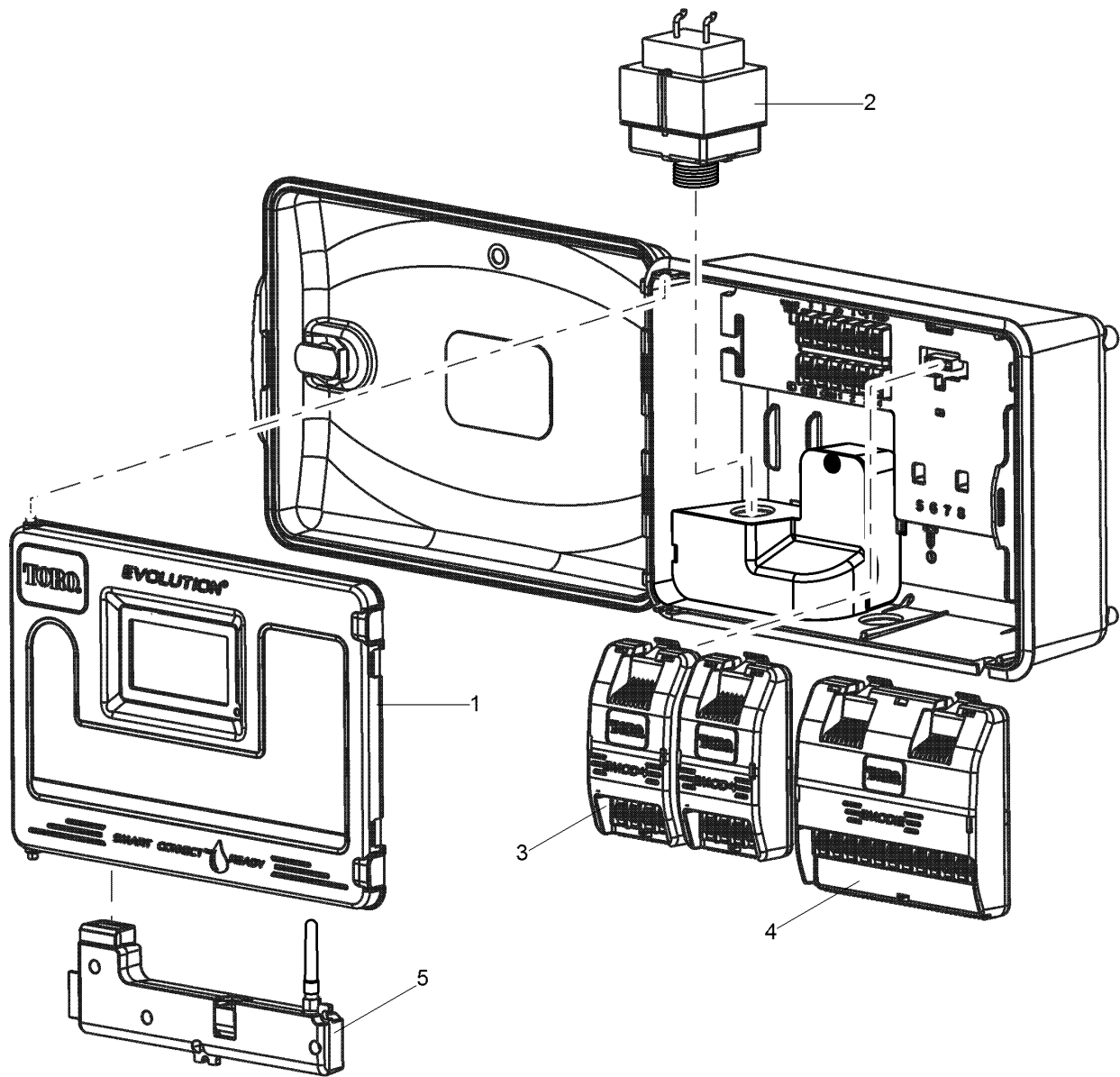
● Not serviced separately



## EVOLUTION Controller

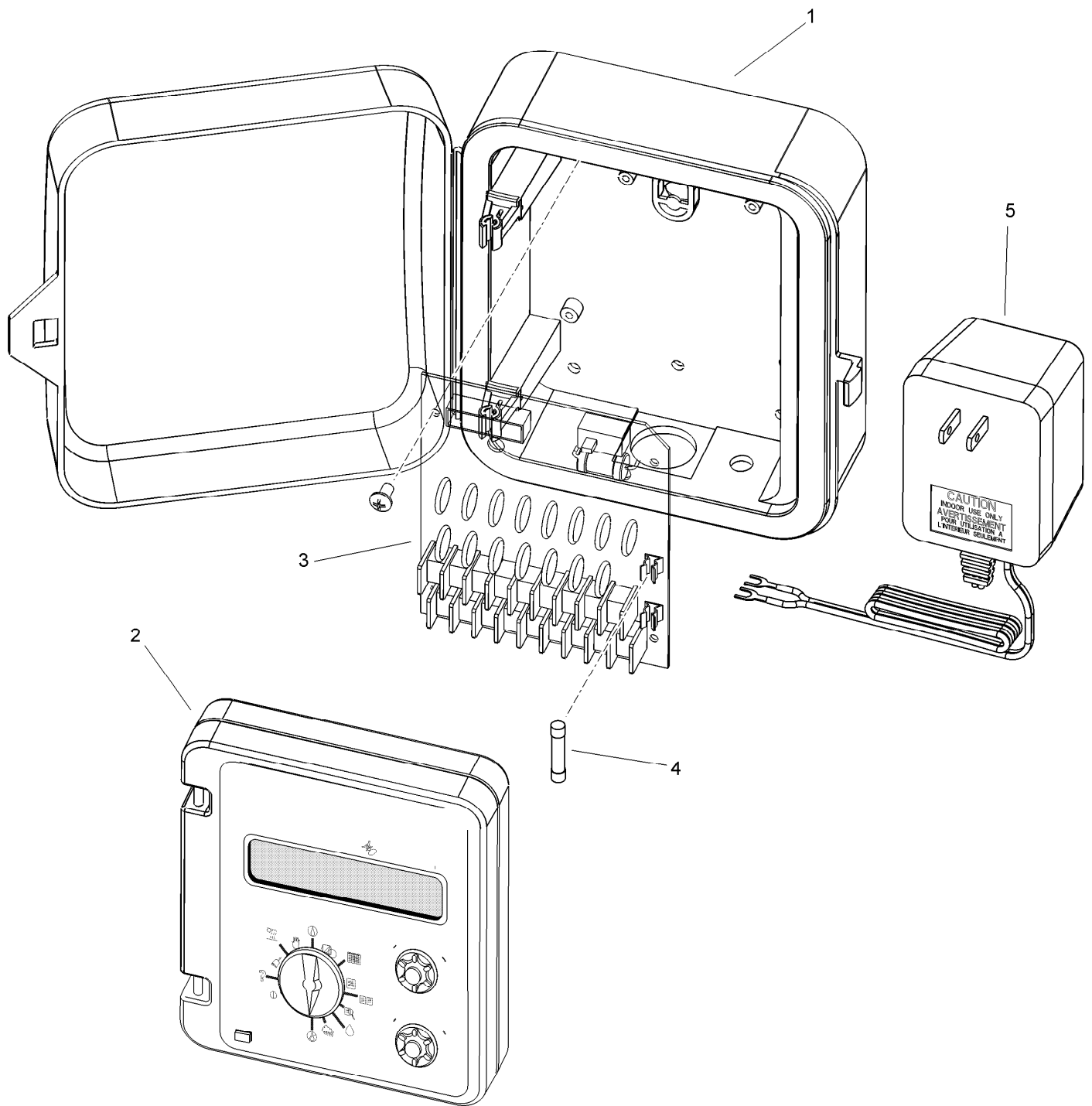
| Ref. | Part Number | Qty. | Description                                       |
|------|-------------|------|---------------------------------------------------|
| 1    | 118-3132    | 1    | Timing Mechanism Module, Evolution                |
| 2    | 118-3130    | 1    | Transformer, 120 Vac, Evolution                   |
| 2    | 118-3131    | 1    | Transformer, 220-240 Vac, Evolution               |
| 3    | EMOD-4      | 1    | Output Module, 4-Station, Evolution (Optional) ●  |
| 4    | EMOD-12     | 1    | Output Module, 12-Station, Evolution (Optional) ● |
| 5    | EVO-SC      | 1    | Receiver, Smart Connect, Evolution (Optional) ●   |

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## EVOLUTION Controller (continued)

# TIS-612 - Indoor Controller

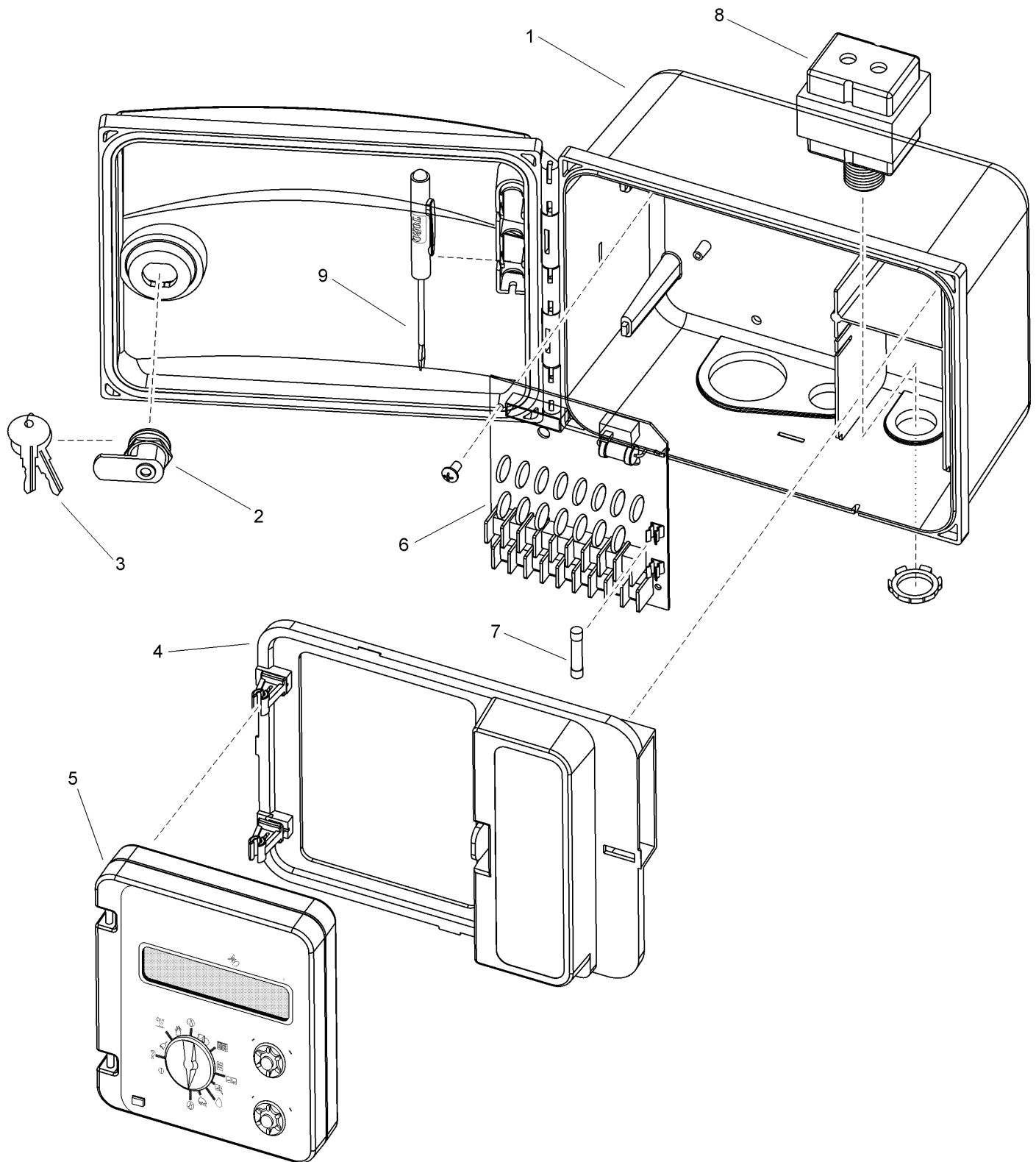




## TIS-612 - Indoor Controller (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|--------------------------------------|
| 1           | 102-4251           | 1           | Case, Indoor                             | 3           | 102-6857           | 1           | Output Board, 6-Station              |
| 2           | TIS-06-MOD         | 1           | Timing Mechanism Module,<br>6-Station ●  | 3           | 102-6857           | 1           | Output Board, 6-Station              |
| 2           | TIS-09-MOD         | 1           | Timing Mechanism Module,<br>9-Station ●  | 3           | 102-6857           | 1           | Output Board, 6-Station              |
| 2           | TIS-12-MOD         | 1           | Timing Mechanism Module,<br>12-Station ● | 4           | 102-3406           | 1           | Fuse, 2 Amp , Slow-Blow<br>(10-Pack) |
|             |                    |             |                                          | 5           | 102-3441           | 1           | Transformer, 120V, 60 Hz             |

# TIS-612 - Outdoor Controller



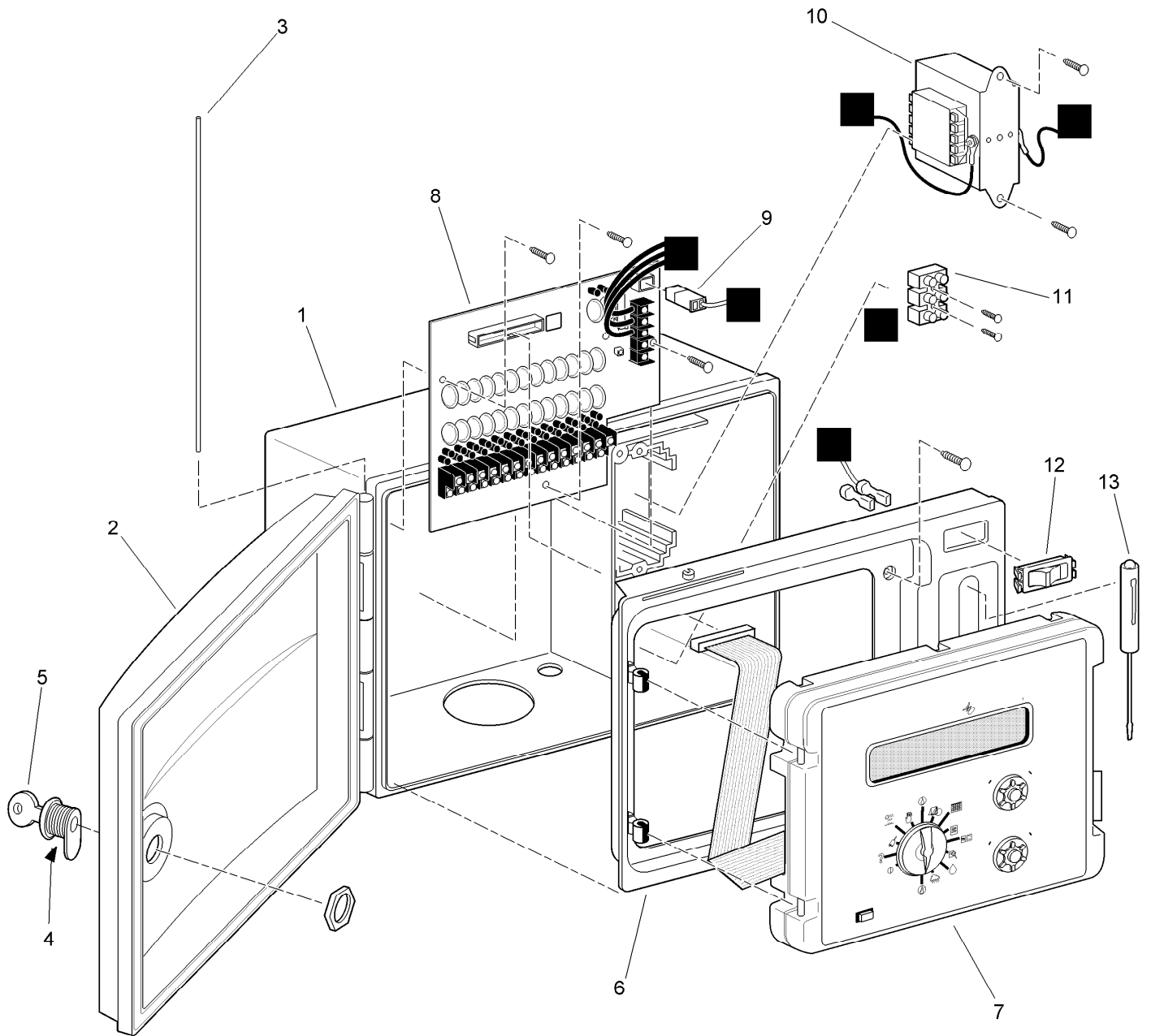
## TIS-612 - Outdoor Controller (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   |
|-------------|--------------------|-------------|-----------------------------------------------|-------------|--------------------|-------------|--------------------------------------|
| 1           | 102-3430           | 1           | Outer Door And Case<br>(Includes Items 2 & 3) | 6           | 102-6857           | 1           | Output Board, 6-Station              |
| 2           | 102-3432           | 1           | Lockset (Includes Item 3)                     | 6           | 102-6857           | 1           | Output Board, 6-Station              |
| 3           | 360-0565           | 1           | Keys, 2 W/ Ring                               | 6           | 102-6857           | 1           | Output Board, 6-Station              |
| 4           |                    | 1           | Faceplate ●                                   | 7           | 102-3406           | 1           | Fuse, 2 Amp , Slow-Blow<br>(10-Pack) |
| 5           | TIS-06-MOD         | 1           | Timing Mechanism Module,<br>6-Station ■       | 8           | 102-3439           | 1           | Transformer, 120 V A.C., 60<br>Hz    |
| 5           | TIS-09-MOD         | 1           | Timing Mechanism Module,<br>9-Station ■       | 9           | 363-3885           | 1           | Screwdriver, Toro                    |
| 5           | TIS-12-MOD         | 1           | Timing Mechanism Module,<br>12-Station ■      |             |                    |             |                                      |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# TIS-240 - Outdoor Controller

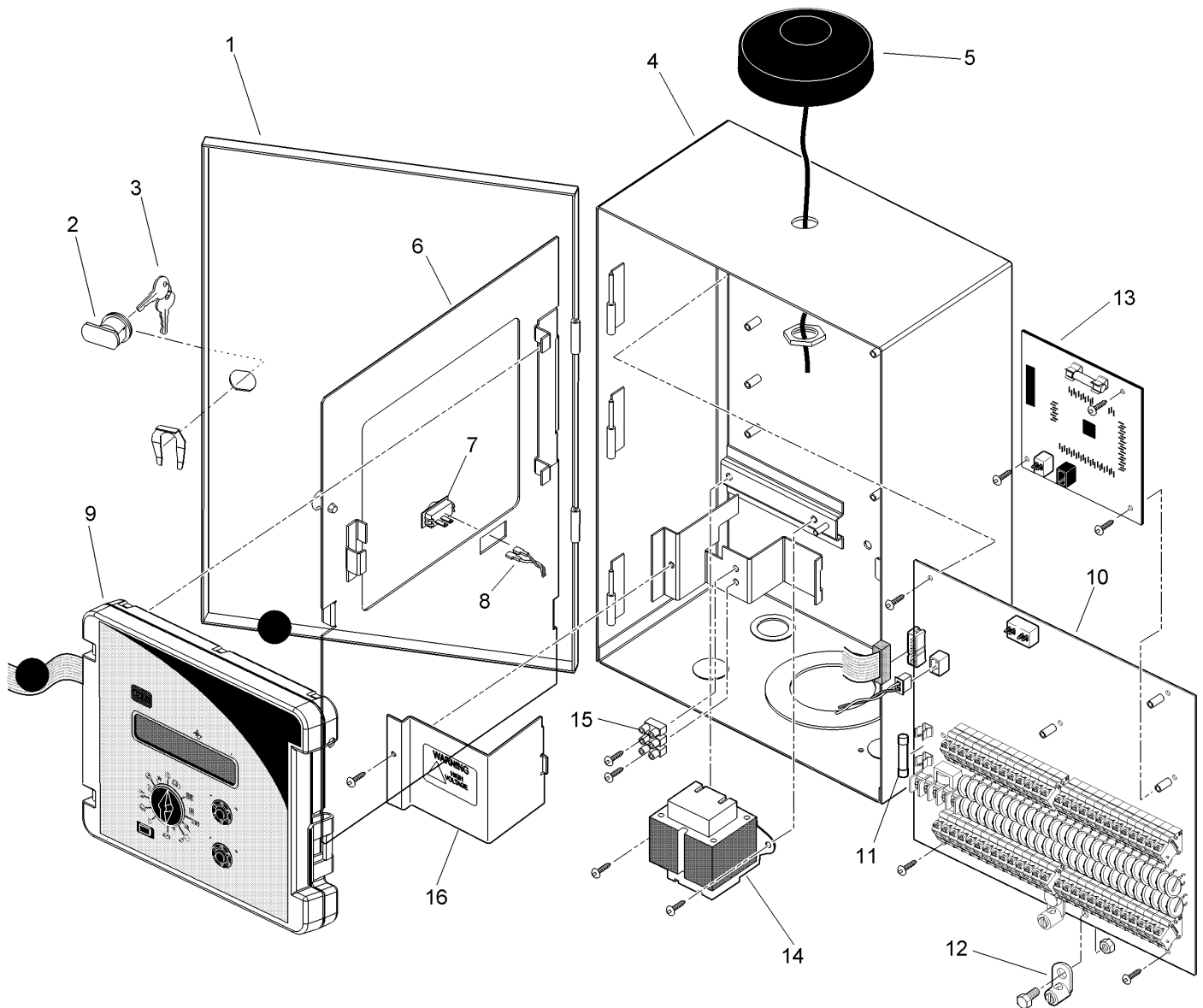


## TIS-240 - Outdoor Controller (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                     |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|----------------------------------------|
| 1           | 89-9641            | 1           | Case, Back, Plastic     | 8           | 102-6861           | 1           | Pcb Assy., 24-Station                  |
| 2           |                    | 1           | Cover, Case, Plastic ●  | 9           | 1077601            | 1           | Wire Harness                           |
| 3           | 89-9872            | 1           | Pin, Hinge              | 10          | 89-9624            | 1           | Transformer Assy., 120 V<br>A.C., 50Va |
| 4           | 363-3884           | 1           | Lock Assy.              | 11          |                    | 1           | Terminal Block ●                       |
| 5           | 360-0565           | 2           | Key                     | 12          | 1077501            | 1           | Slide Switch                           |
| 6           | 89-9643            | 1           | Faceplate               | 13          | 363-3885           | 1           | Screwdriver, Toro                      |
| 7           | 102-6860           | 1           | Timing Mechanism Module |             |                    |             |                                        |

● Not serviced separately

# TIS-360/480 Outdoor Controller, Metal Cabinet



## TIS-360/480 Outdoor Controller, Metal Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|-------------------------------------|
| 1           | 102-3527           | 1           | Cover, Outer Door ♦                 |
| 2           | 102-3529           | 1           | Lockset                             |
| 3           | 360-0565           | 2           | Key                                 |
| 4           |                    | 4           | Rear Case ▲                         |
| 5           | TIS-ANT02          | 1           | Antenna Assy., Pancake Type □       |
| 6           |                    | 4           | Cover, Inner Door ▲                 |
| 7           | 1077501            | 2           | Slide Switch                        |
| 8           | 1077601            | 1           | Wire Harness ■                      |
| 9           | 102-7683           | 1           | Timing Mechanism Module, 36-Station |
| 9           | 102-7685           | 1           | Timing Mechanism Module, 48-Station |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|----------------------------------|
| 10          | 118-0299SK         | 1           | Output Board Assy., 36-Station ○ |
| 10          | 118-0300SK         | 1           | Output Board Assy., 48-Station ○ |
| 11          | 102-3406           | 1           | Fuse, 2 Amp , Slow-Blow ●        |
| 12          | 363-1553           | 2           | Lug, Grounding                   |
| 13          |                    | 2           | Remote Board Assy. ▲             |
| 14          | 102-3534           | 1           | Transformer, 120 V A.C.          |
| 15          |                    | 1           | Terminal Block, 3-Position ▲     |
| 16          | 102-3535           | 1           | Cover, Power Supply              |

● (10-pack)

▲ Not serviced separately

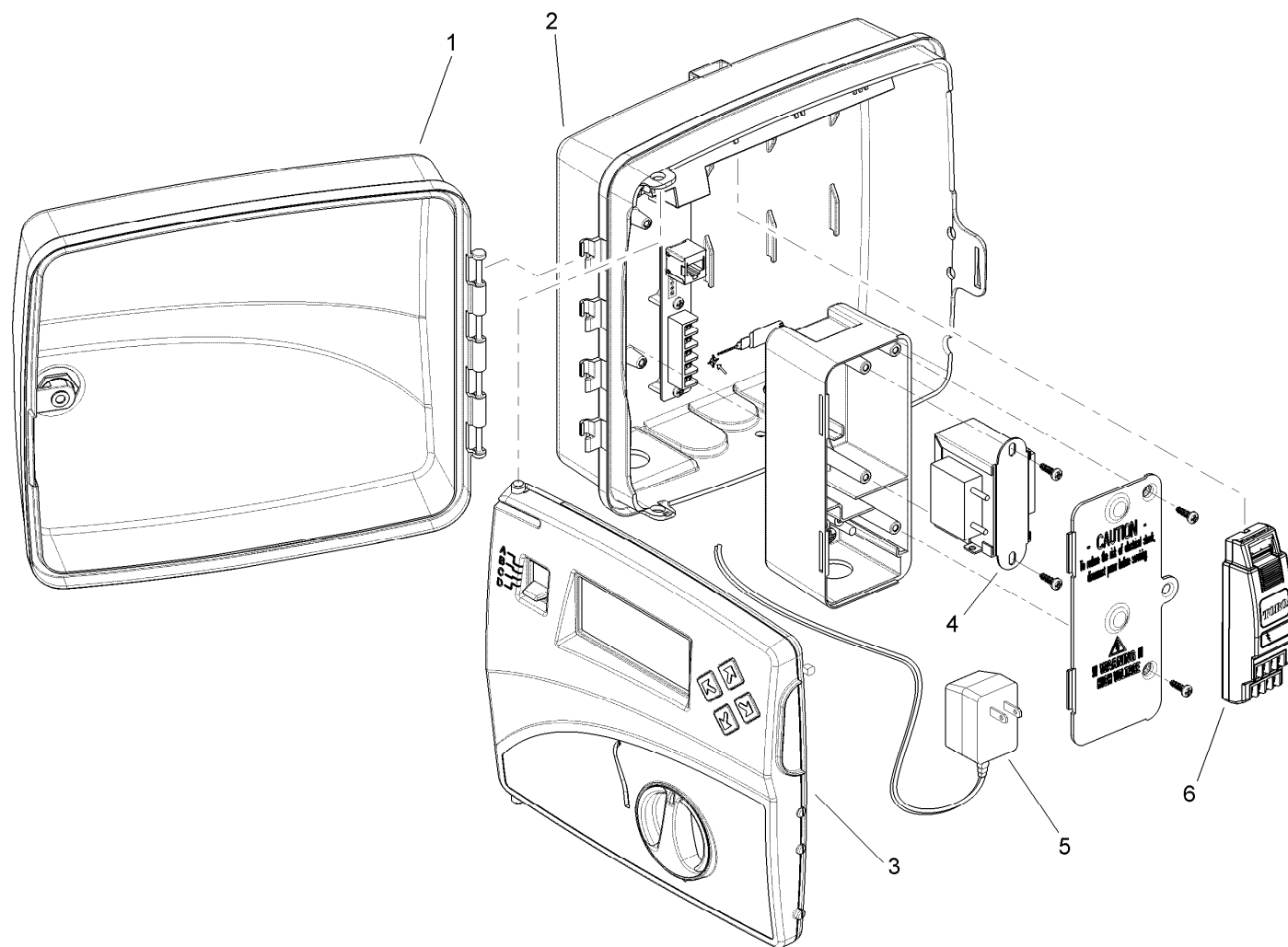
□ Order Through Finished Goods Distribution System-Minneapolis

○ Order Through Finished Goods Distribution System - Minneapolis

■ (Bypass Switch)

♦ (Includes Items 2 and 3)

# TMC-424E - 4 through 24 Stations, Modular





## TMC-424E - 4 through 24 Stations, Modular (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                         |
|-------------|--------------------|-------------|------------------------------------------------------------|
| 1           | 102-6854           | 1           | Cover, Cabinet                                             |
| 2           |                    | 1           | Outdoor Cabinet, Plastic ■                                 |
| 3           | 102-6853           | 1           | Timing Mechanism Module                                    |
| 4           | 102-3927           | 1           | Transformer Assy., 120Vac, 24Va (Tmc-424E)                 |
| 5           | 363-4574           | 1           | Transformer, 120Vac, Plug-In (Tmc-424 Indoor Model Only) ● |
| 6           | TSM-4              |             | 4-Station Expansion Module, Gray ▲◆                        |
| 6           | TSM-4F             |             | 4-Station Expansion Module W/ Flow, Blue ▲◆                |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               |
|-------------|--------------------|-------------|--------------------------------------------------|
| 6           | TSM-4H             |             | 4-Station Expansion Module, High Surge, White ▲◆ |
| 6           | TSM-8              |             | 8-Station Expansion Module, Gray ▲◆              |
| 6           | TSM-8F             |             | 8-Station Expansion Module W/ Flow, Blue ▲◆      |
| 6           | TSM-8H             |             | 8-Station Expansion Module, High Surge, White    |

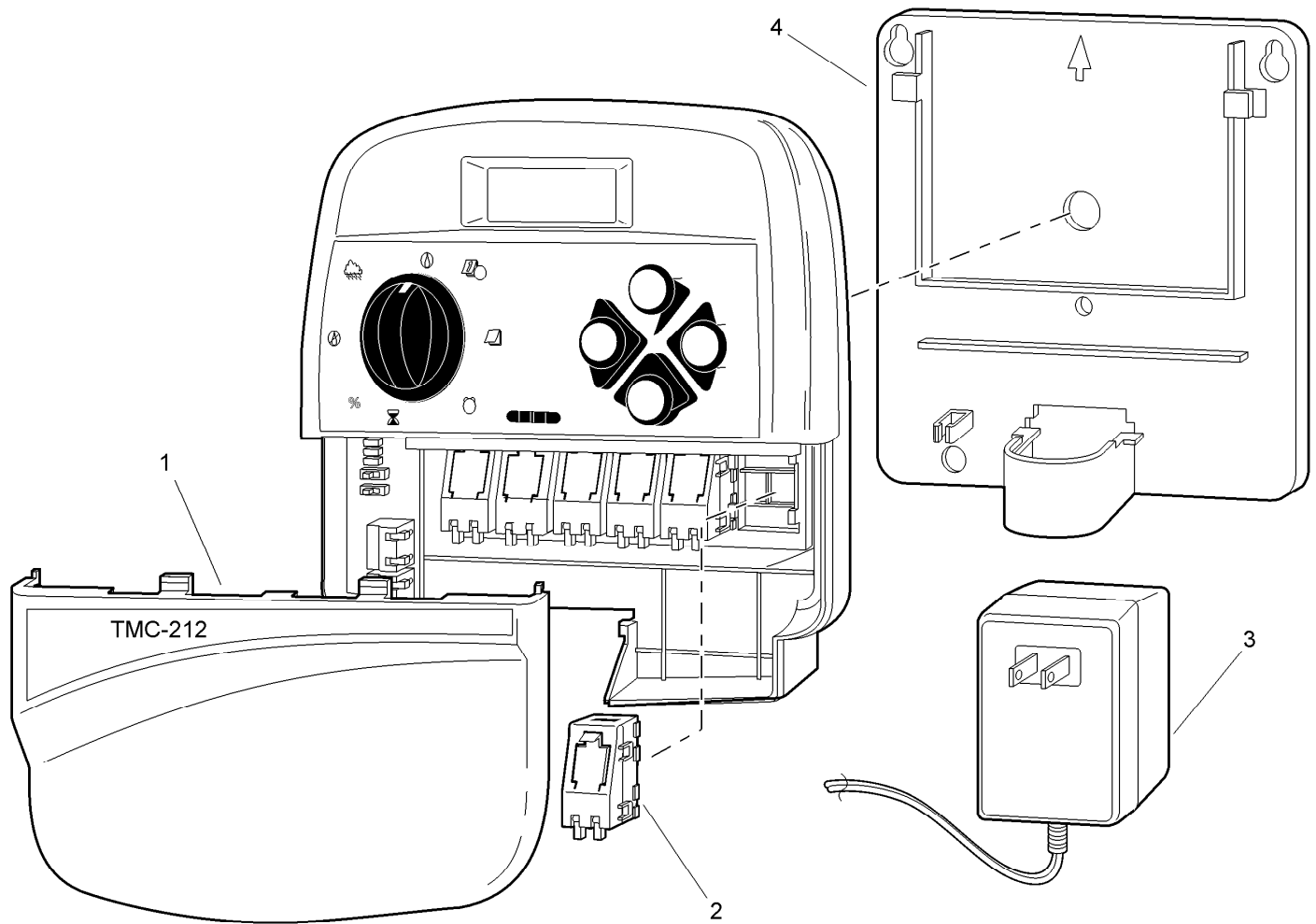
● No longer available

▲ Quantity Varies With Model

◆ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately

# TMC-212 - Indoor Controller

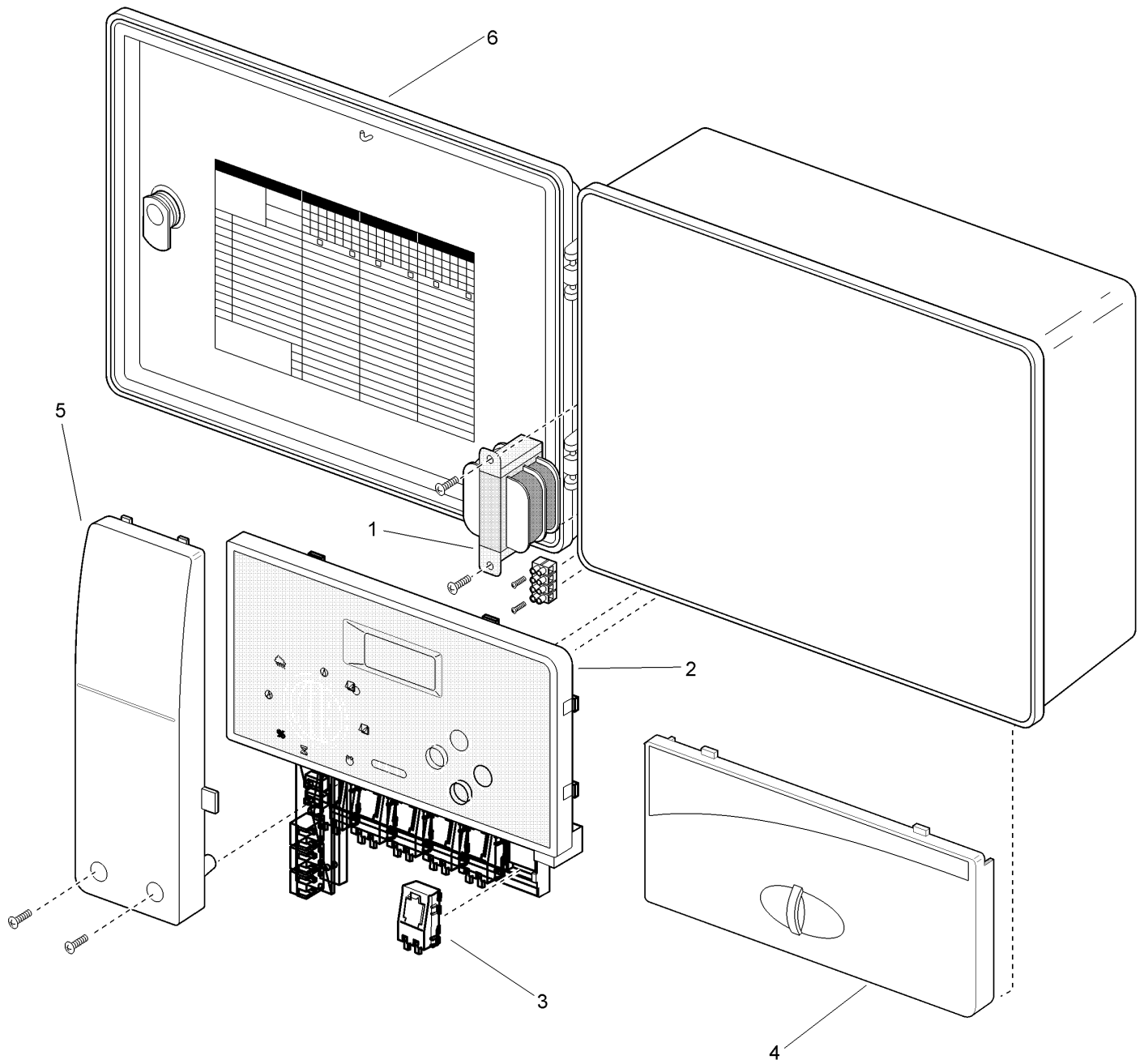


## TMC-212 - Indoor Controller (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|-----------------------------|
| 1           | 102-6889           | 1           | Front Plate                 | 3           | 363-3665           | 1           | Transformer, 240 V A.C., 24 |
| 2           | TSM-02             | 2           | Two-Station Module ●        |             |                    |             | V A.C. (Australia)          |
| 3           | 363-3514           | 1           | Transformer, 120 V A.C., 24 | 4           | 102-6888           | 1           | Mounting Plate              |
|             |                    |             | V A.C.                      |             |                    |             |                             |
| 3           | 363-3664           | 1           | Transformer, 230 V A.C., 24 |             |                    |             |                             |
|             |                    |             | V A.C. (Europe)             |             |                    |             |                             |

● Order Through Finished Goods Distribution System - Minneapolis

# TMC-212 Outdoor and Outdoor High Surge Cntrlr



## TMC-212 Outdoor and Outdoor High Surge Cntrlr (continued)

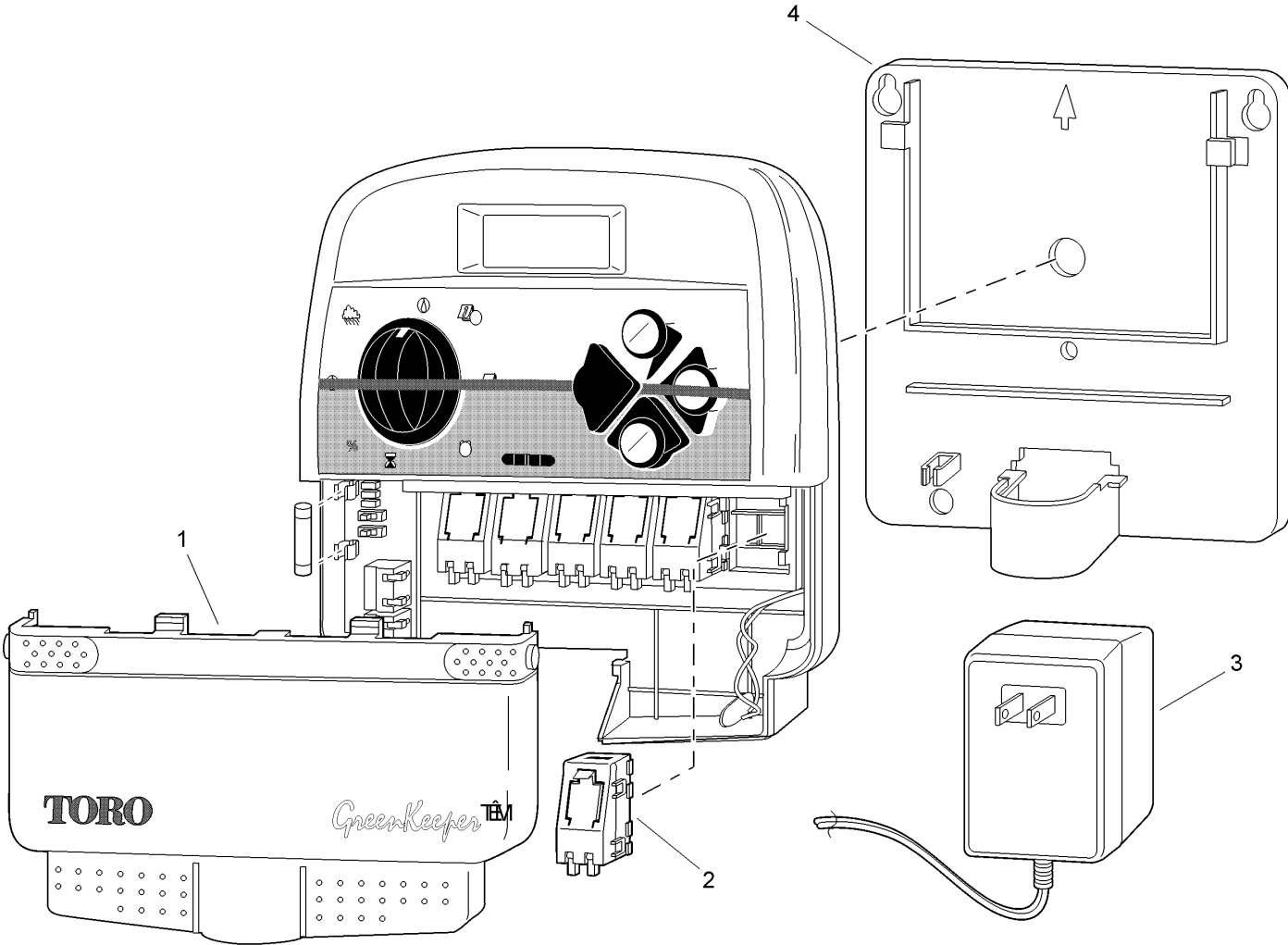
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 102-6890           | 1           | Transformer, 120 V A.C., 60 Hz (Domestic Models Only)              |
| 1           | 102-2685           | 1           | Transformer, 230/240 V A.C., 50 Hz (Export Models Only)            |
| 2           |                    | 1           | Timing Mechanism Module, Svc. (Does Not Include Station Modules) ● |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|----------------------------------|
| 3           | TSM-02             | 2           | Two-Station Module ■             |
| 3           | TSM-02-H           | 2           | Two-Station Module, High Surge ■ |
| 4           | 102-6892           | 1           | Cover, Lower Cabinet, Svc.       |
| 5           | 102-6893           | 1           | Cover, Transformer, Svc.         |
| 6           | 102-6891           | 1           | Door, Cabinet, Svc.              |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

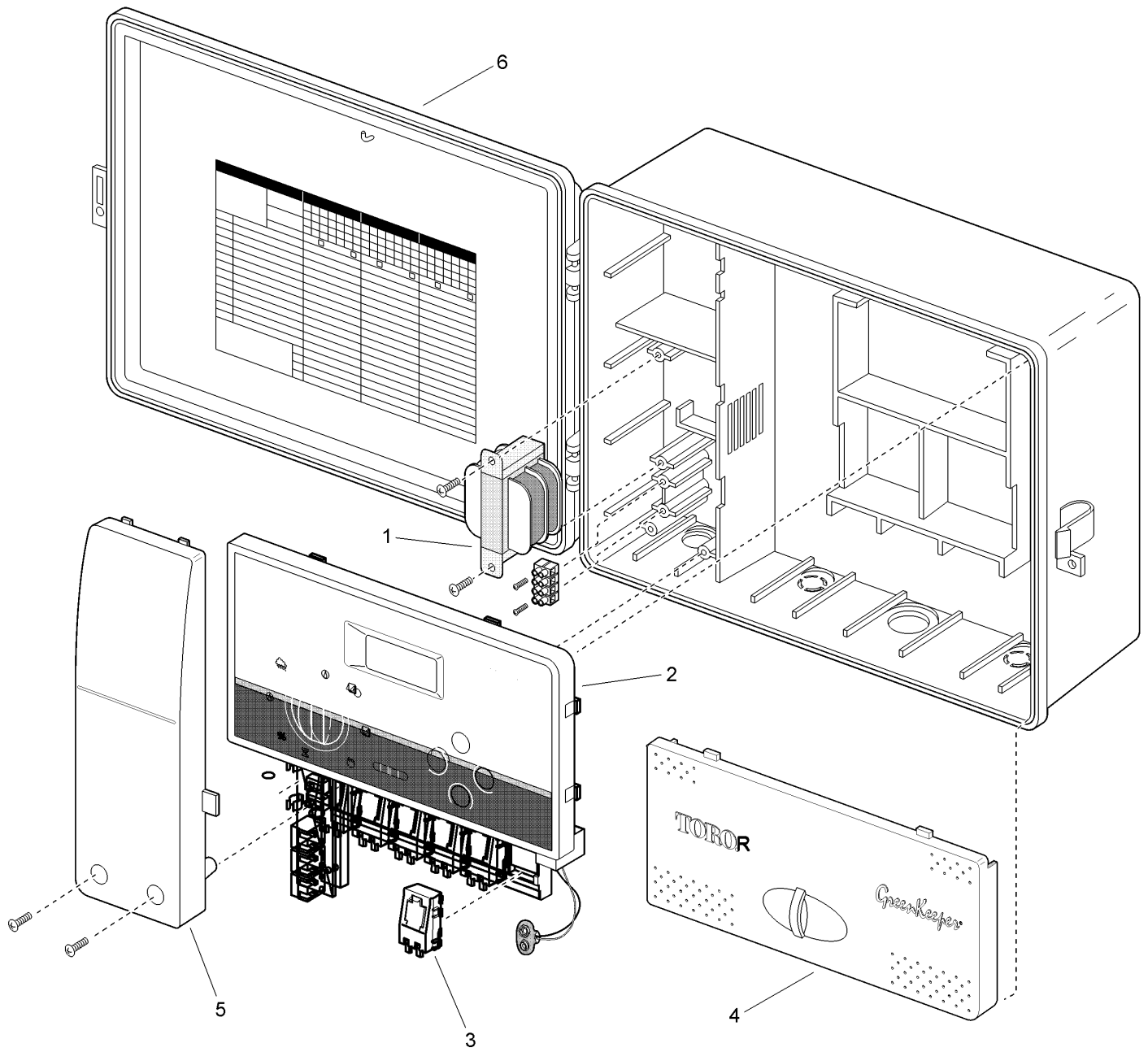
# GreenKeeper 212 - Indoor Controller



## GreenKeeper 212 - Indoor Controller (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|-----------------------------|
| 1           | 102-6889           | 1           | Front Plate                 | 3           | 363-3665           | 1           | Transformer, 240 V A.C., 24 |
| 2           | TSM-02             | 2           | Two-Station Module ●        |             |                    |             | V A.C. (Australia)          |
| 3           | 363-3514           | 1           | Transformer, 120 V A.C., 24 | 4           | 102-6888           | 1           | Mounting Plate              |
|             |                    |             | V A.C.                      |             |                    |             |                             |
| 3           | 363-3664           | 1           | Transformer, 230 V A.C., 24 |             |                    |             |                             |
|             |                    |             | V A.C. (Europe)             |             |                    |             |                             |

# GreenKeeper 212 - Outdoor Controller





## GreenKeeper 212 - Outdoor Controller (continued)

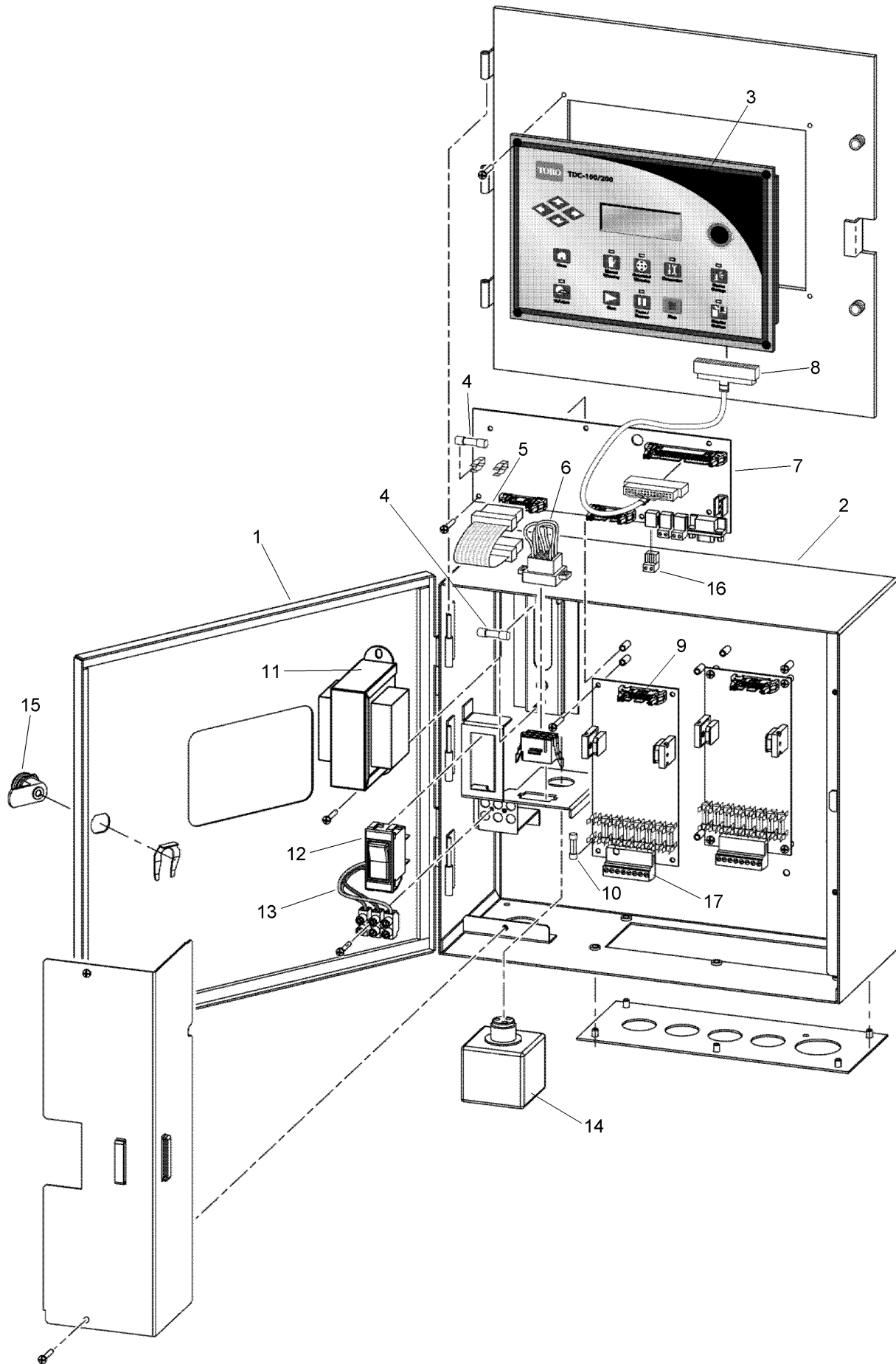
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                  |
|-------------|--------------------|-------------|---------------------------------------------------------------------|
| 1           | 102-6890           | 1           | Transformer, 120 V A.C., 60 Hz (Domestic Models Only)               |
| 1           | 102-2685           | 1           | Transformer, 230/240 V A.C., 50 Hz (Export Models Only)             |
| 2           |                    | 1           | Timing Mechanism Module, Svc. (Does Not Include Station Modules.) ● |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|----------------------------------|
| 3           | TSM-02             | 2           | Two-Station Module ■             |
| 3           | TSM-02-H           | 2           | Two-Station Module, High Surge ■ |
| 4           | 102-6892           | 1           | Cover, Lower Cabinet, Svc.       |
| 5           | 102-6893           | 1           | Cover, Transformer, Svc.         |
| 6           | 102-6891           | 1           | Door, Cabinet, Svc.              |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# TDC 2-Wire Decoder System



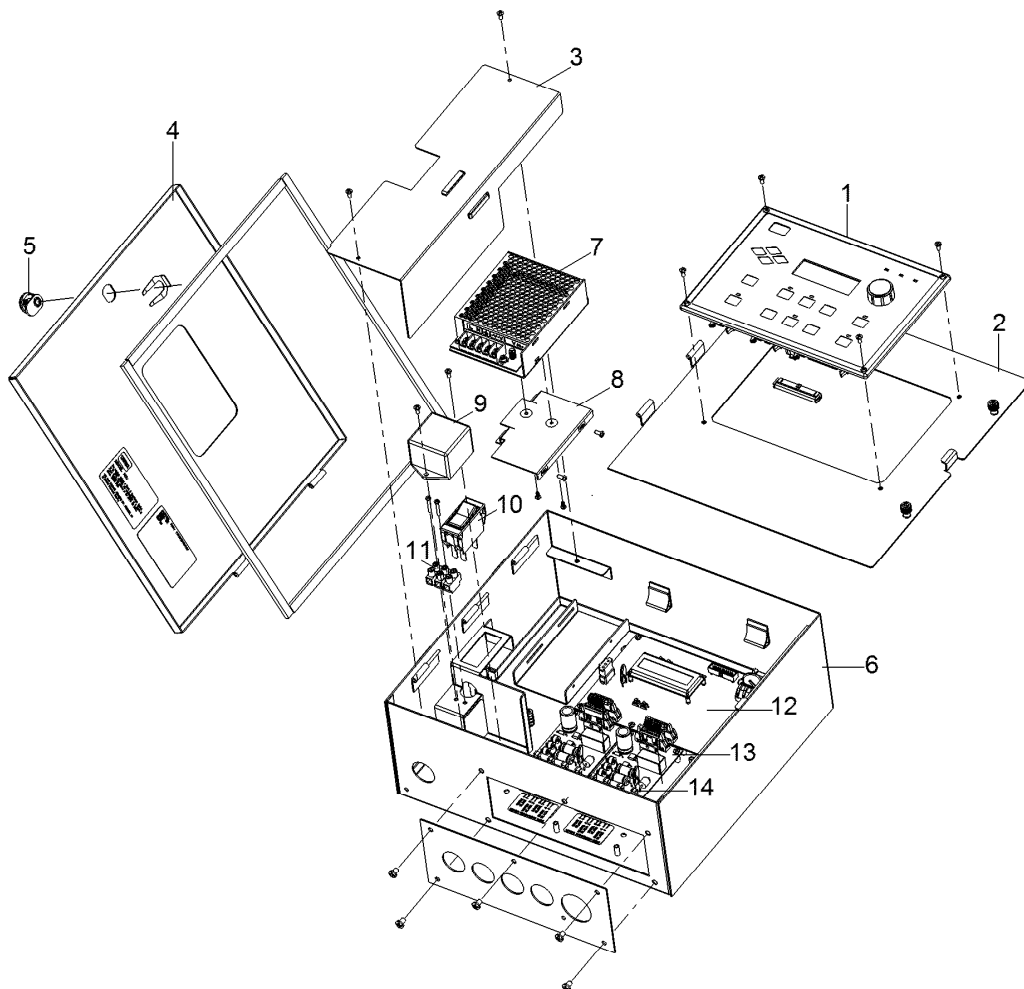
## TDC 2-Wire Decoder System (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                    |
|-------------|--------------------|-------------|-----------------------------------------------------------------------|
| 1           | 102-5048SK         | 1           | Door, Gateway Decoder                                                 |
| 2           | 102-5047SK         | 1           | Cabinet, Gateway Decoder                                              |
| 3           | 102-5918SK         | 1           | Timing Mechanism Assy., Gateway (Standalone Models Only)              |
| 4           | 363-5606           | 2           | Fuse, 3.15A                                                           |
| 5           | 102-4598SK         | 1           | Ribbon Cable Assy., Mother Board To Daughter Board                    |
| 6           | 91-1626            | 1           | Power Connector, 100V                                                 |
| 6           | 91-1627            | 1           | Power Connector, 120V                                                 |
| 6           | 91-1629            | 1           | Power Connector, 220V                                                 |
| 7           | 102-5044SK         | 1           | Pcb Assy., Gateway Motherboard                                        |
| 8           | 102-5908SK         | 1           | Cable Assy., Timing Mechanism To Motherboard (Standalone Models Only) |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           |
|-------------|--------------------|-------------|--------------------------------------------------------------|
| 9           | 102-4339SK         | 2           | Pcb Assy., Gateway Daughterboard                             |
| 10          | 363-4249           | 16          | Fuse, 3A, Daughterboard                                      |
| 11          | 102-4768SK         | 1           | Power Supply Assy. (Includes Associated Cable Assembly) ●    |
| 12          | 363-3361           | 1           | Switch, Circuit Breaker, 1.5A                                |
| 13          | 102-4766SK         | 1           | Wire Harness, Terminal Block To Switch                       |
| 14          | 102-4767SK         | 1           | Harness, Surge, Service (Includes Associated Cable Assembly) |
| 15          | 363-3785           | 1           | Lock Assy. W/Keys                                            |
| 16          | 363-4500           | 3           | Plug, 2 Pos                                                  |
| 17          | 363-3572           | 2           | Plug, 8 Pos                                                  |
|             | 102-4185SK         |             | Battery, 3V ●■                                               |

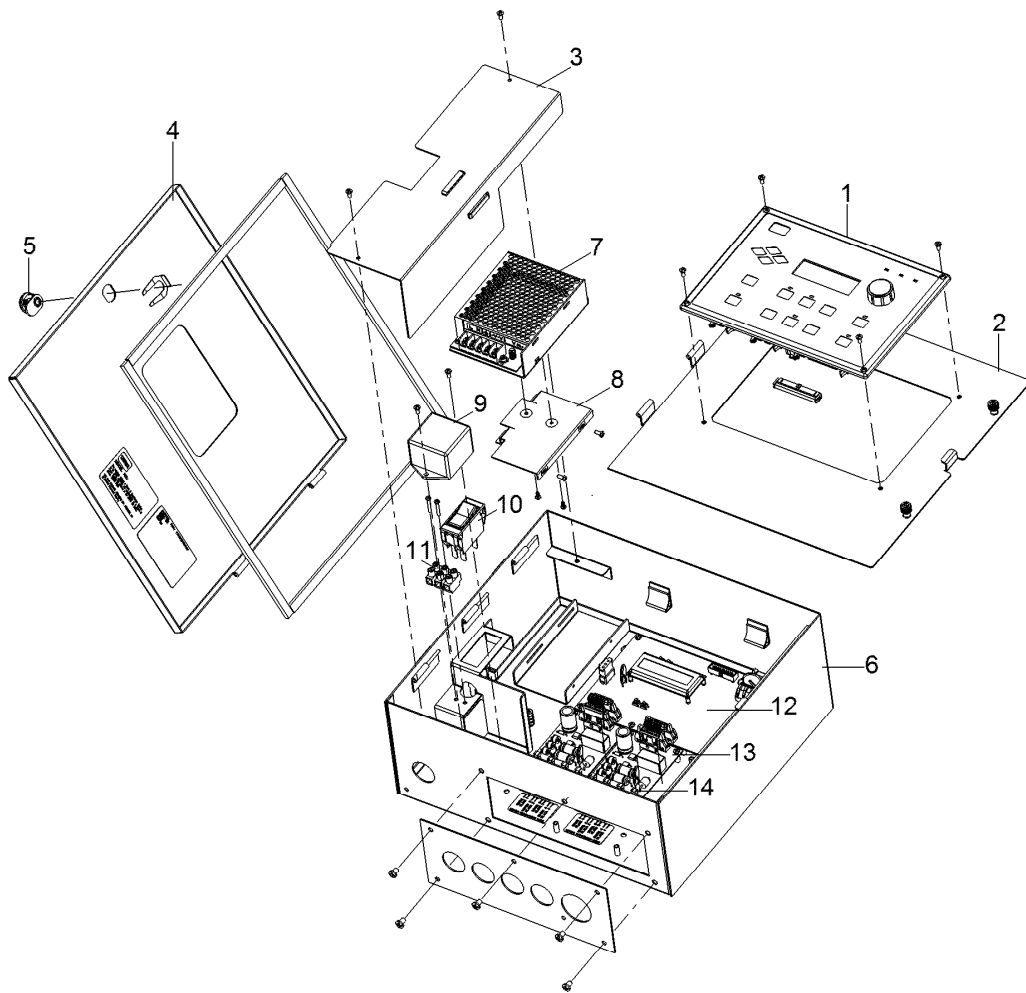
● SERVICE ITEMS

■ Not illustrated



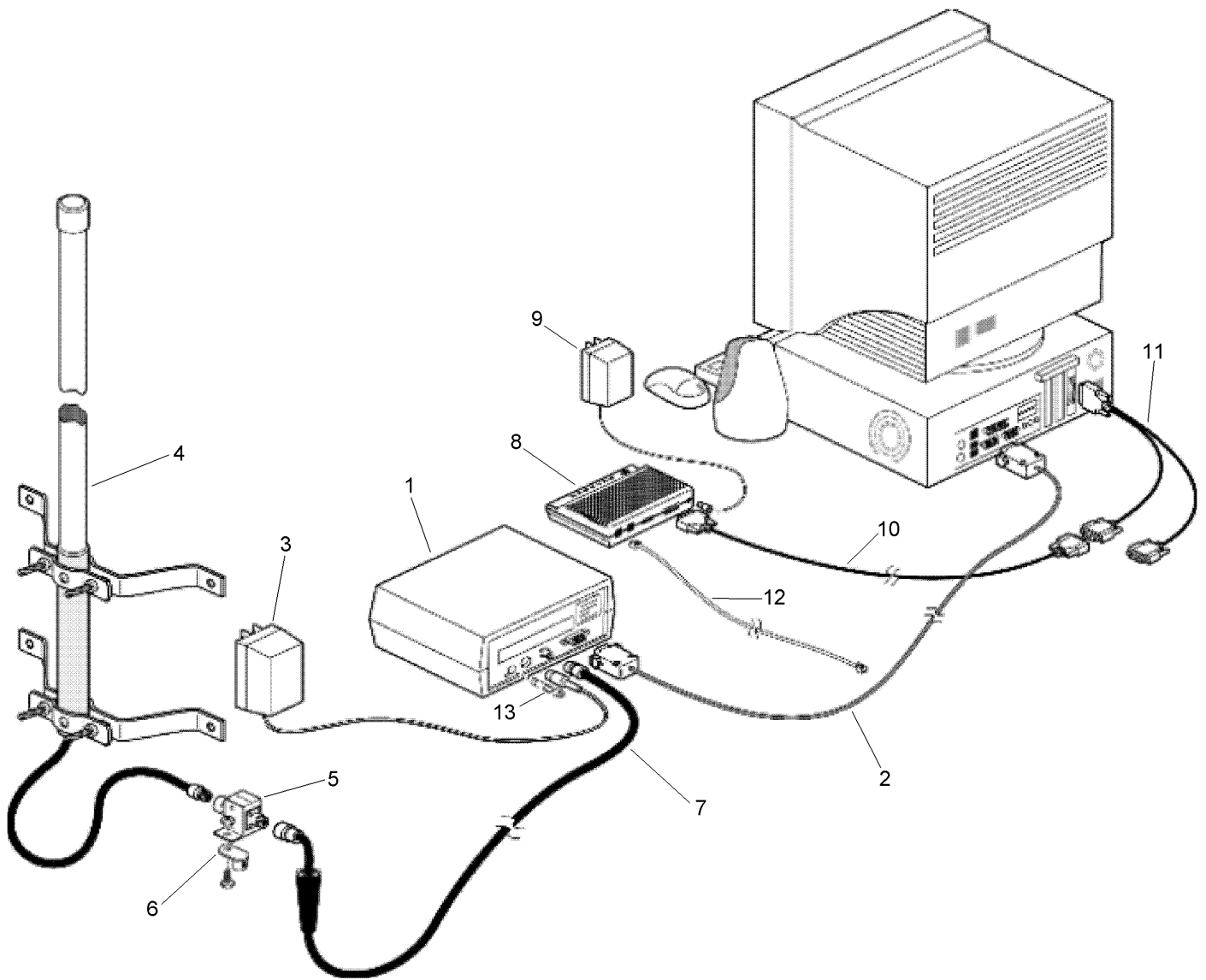
## TDC 2-Wire Decoder System, Post Aug-2012

| Ref. | Part Number | Qty. | Description                                         |
|------|-------------|------|-----------------------------------------------------|
| 1    | 102-5918SK  | 1    | Timing Mechanism Assy., Gateway (Stand-Alone)       |
| 2    | 102-5049    | 1    | Panel, Gateway, Decoder (Stand-Alone Models Only)   |
| 3    | 118-0496    | 1    | Power Supply Cover, Gateway, Decoder"               |
| 4    | 102-5048SK  | 1    | Door, Gateway Decoder                               |
| 5    | 363-3785    | 1    | Lock Assy. W/Keys                                   |
| 6    | 102-5047SK  | 1    | Cabinet, Gateway Decoder                            |
| 7    | 118-0540    | 1    | Power Supply, AC/DC, Gateway, Decoder               |
| 8    | 118-0475    | 1    | Power Supply Bracket, Upper                         |
| 9    | 102-9741    | 1    | Ttf, Filter Assembly                                |
| 10   | 363-3361    | 1    | Switch, Circuit Breaker, 1.5 A                      |
| 11   | 363-8650    | 1    | Terminal Block, 3-Position                          |
| 12   | 118-0582    | 1    | Motherboard Assembly With Tricomm, Gateway, Decoder |
| 13   | 102-7693SK  | 1    | Pcb Assy., Gateway Daughterboard                    |
| 14   | 363-8506    | 8    | Fuse, 5 X 20Mm, Fast, 3.15A, 250V                   |



## TDC 2-Wire Decoder System, Post Aug-2012 (continued)

# Sentinel Central Control System



## Sentinel Central Control System (continued)

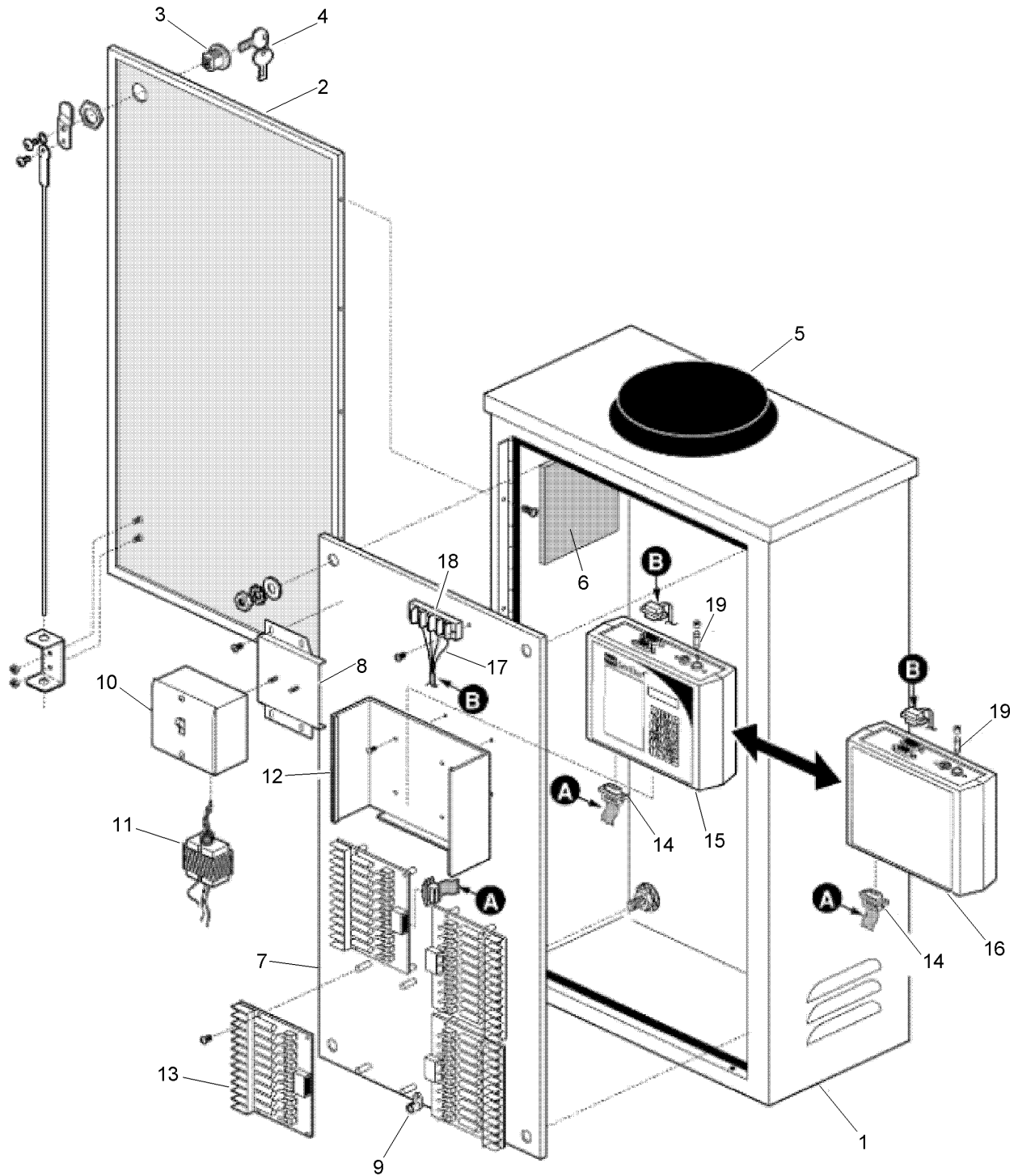
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         |
|-------------|--------------------|-------------|----------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------|
| 1           | 102-2376           | 1           | Central Interface Module Assembly ▲                                  | 9           |                    | 1           | Power Supply, Telephone Modem ■            |
| 2           | 102-2375           | 1           | Cpu Cable Assembly                                                   | 10          |                    | 1           | Computer Cable Assembly, Telephone Modem ■ |
| 3           | 102-2377           | 1           | Power Supply, Central Interface Module, 115/16 V A.C., 1 Amp         | 11          |                    | 1           | Computer Cable Assembly, Adapter ■         |
| 4           | 102-2379           | 1           | Base Antenna Assembly (Includes Items 5 & 6 And Wall-Mount Brackets) | 12          |                    | 1           | Cable Assembly, Telephone ■                |
| 5           | 102-4908           | 1           | Grounding Assembly, Antenna (Includes Item 6 And Insulation Kit)     | 13          | 102-3407           | 1           | Fuse, 1 Amp, Slow Blow (10-Pack)           |
| 6           | 363-1553           | 1           | Lug, Grounding                                                       |             | 102-4929           |             | Tripod Stand, Antenna ●                    |
| 7           | 102-2378           | 1           | Antenna Cable, 50' (15 M)                                            |             | 102-2447           | 1           | Programming Kit, Radio Frequency ▲ ●       |
| 8           | 102-2384           | 1           | Phone Modem Assembly (Includes Items 9-11)                           |             |                    |             |                                            |

● Not illustrated

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately

# Sentinel Satellite - Wall Mount





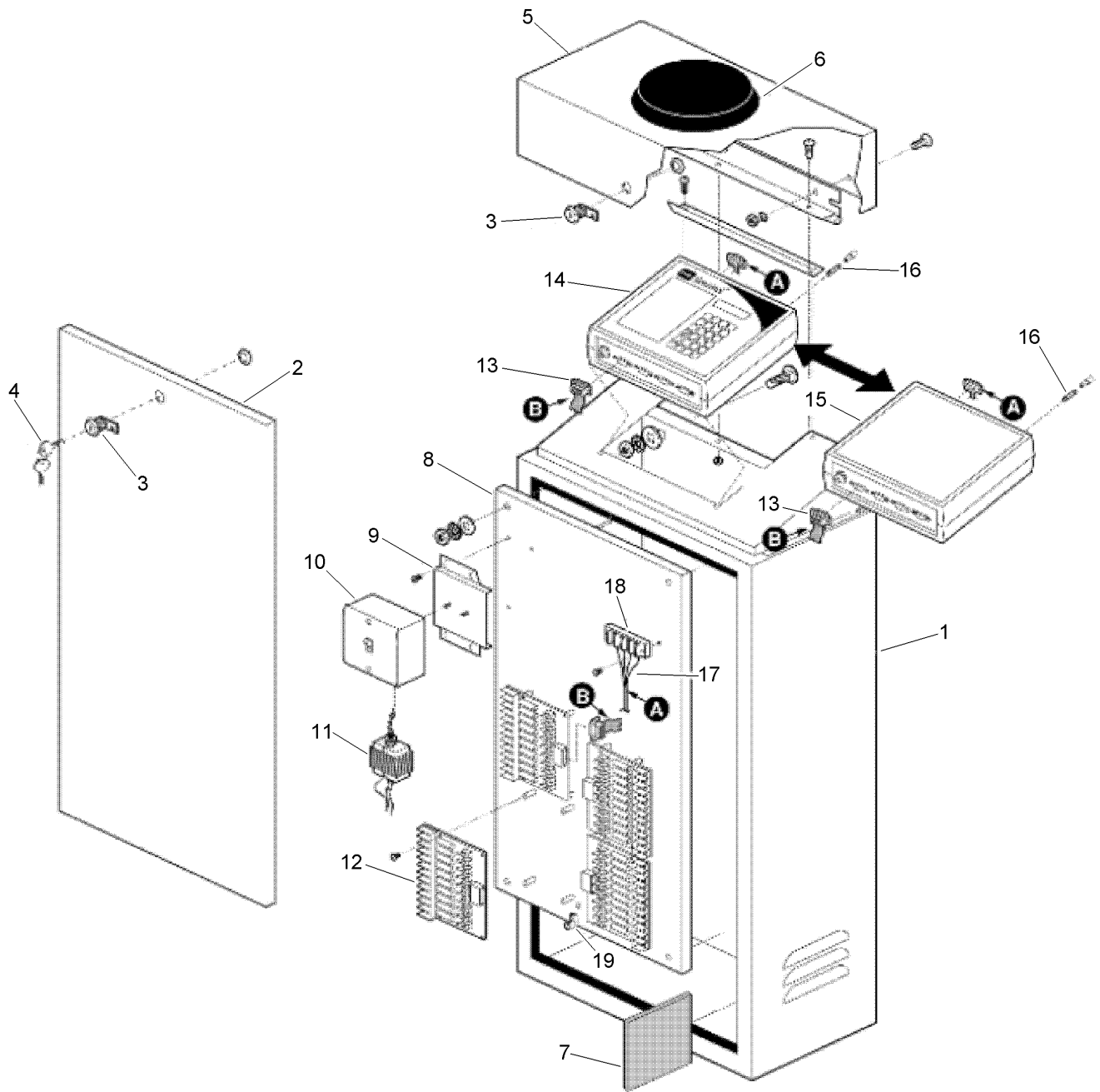
## Sentinel Satellite - Wall Mount (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               |
|-------------|--------------------|-------------|---------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------|
| 1           | 102-2370           | 1           | Enclosure, Tall Wall Mount W/O Backplate (Includes Items 1-6) | 14          | 102-4927           | 1           | Output Cable, 14", 24-48 Station ■               |
| 2           | 102-4917           | 1           | Door Assembly W/Lock Mechanism (Includes Items 3 & 4)         | 14          | 102-4928           | 1           | Output Cable, 18", 36-48 Station ■               |
| 3           | 102-4919           | 2           | Lock Assembly, Door (Includes Lock, Keys, And Rod Mechanism)  | 15          | 102-4913           | 1           | Control Module Assembly, Satellite, 12 Station ■ |
| 4           | 363-2789           | 1           | Key, Ch-71                                                    | 15          | 102-2373           | 1           | Control Module Assembly, Satellite, 24 Station ■ |
| 5           | 102-4912           | 1           | Antenna Assembly, Pancake Type                                | 15          | 102-4914           | 1           | Control Module Assembly, Satellite, 36 Station ■ |
| 6           | 102-4931           | 2           | Filter, Enclosure Vent Louver                                 | 15          | 102-2372           | 1           | Control Module Assembly, Satellite, 48 Station ■ |
| 7           | 102-4910           | 1           | Back Plate Assembly (Includes Items 8-11)                     | 16          | 102-4956           | 1           | Control Module Assembly, Mapto, 12 Station ■     |
| 8           |                    | 1           | Mounting Bracket, Junction Box ●                              | 16          | 102-4957           | 1           | Control Module Assembly, Mapto, 24 Station ■     |
| 9           | 363-1553           | 1           | Lug, Grounding                                                | 16          | 102-4958           | 1           | Control Module Assembly, Mapto, 36 Station ■     |
| 10          | 363-4635           | 1           | Toggle Switch W/ Receptacle                                   | 16          | 102-4959           | 1           | Control Module Assembly, Mapto, 48 Station ■     |
| 11          | 102-2369           | 1           | Power Transformer, 115/24 V A.C., 50 Va                       | 17          | 102-4955           | 1           | Cable Assembly, Data Retrieval                   |
| 12          | 102-4918           | 1           | Mounting Bracket, Satellite Module                            | 18          |                    | 1           | Terminal Strip ●                                 |
| 13          | 102-2368           | 1           | Output Pc Board ■                                             | 19          | 102-3406           | 2           | Fuse, 2 Amp , Slow-Blow (10-Pack)                |
| 14          | 102-4926           | 1           | Output Cable, 6", 12-48 Station ■                             |             |                    |             |                                                  |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# Sentinel Satellite - Pedestal Mount



## Sentinel Satellite - Pedestal Mount (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                     |
|-------------|--------------------|-------------|-----------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------|
| 1           | 102-2371           | 1           | Enclosure, Pedestal W/O Backplate (Includes Items 1-7)          | 14          | 102-4913           | 1           | Control Module Assembly, Satellite, 12 Station ♦                       |
| 2           | 102-4916           | 1           | Door Assembly, Pedestal Enclosure W/Lock (Includes Items 3 & 4) | 14          | 102-2373           | 1           | Control Module Assembly, Satellite, 24 Station ♦                       |
| 3           | 102-4930           | 2           | Lock Assembly, Door W/Keys                                      | 14          | 102-4914           | 1           | Control Module Assembly, Satellite, 36 Station ♦                       |
| 4           | 363-2789           | 1           | Key, Ch-71                                                      | 14          | 102-2372           | 1           | Control Module Assembly, Satellite, 48 Station ♦                       |
| 5           | 102-4915           | 1           | Top Assembly, Pedestal Enclosure W/Antenna (Includes Item 6)    | 15          | 102-4956           | 1           | Control Module Assembly, Mapto, 12 Station ♦                           |
| 6           | 102-4912           | 1           | Antenna Assembly, Pancake Type                                  | 15          | 102-4957           | 1           | Control Module Assembly, Mapto, 24 Station ♦                           |
| 7           | 102-4931           | 2           | Filter, Enclosure Vent Louver                                   | 15          | 102-4958           | 1           | Control Module Assembly, Mapto, 36 Station ♦                           |
| 8           | 102-4910           | 1           | Back Plate Assembly (Includes Items 9-11 & 17)                  | 15          | 102-4959           | 1           | Control Module Assembly, Mapto, 48 Station ♦                           |
| 9           |                    | 1           | Mounting Bracket, Junction Box ▲                                | 16          | 102-3406           | 4           | Fuse, 2 Amp , Slow-Blow (10-Pack)                                      |
| 10          | 363-4635           | 1           | Junction Box W/Transformer                                      | 17          | 102-4955           | 1           | Cable Assembly, Data Retrieval (Includes Item 16)                      |
| 11          | 102-2369           | 1           | Power Transformer, 115/24 V A.C., 50 Va                         | 18          |                    | 1           | Terminal Strip ▲                                                       |
| 12          | 102-2368           | 1           | Output Pc Board ♦                                               | 19          | 363-1553           | 1           | Lug, Grounding                                                         |
| 13          | 102-4924           | 1           | Output Cable, 24", 12-48 Station ♦                              |             | 102-3406           | 2           | Fuse, 2 Amp , Slow-Blow (10-Pack)(Used In Control Module Assembly) ■ ● |
| 13          | 102-4925           | 1           | Output Cable, 30", 24-48 Station ♦                              |             |                    |             |                                                                        |

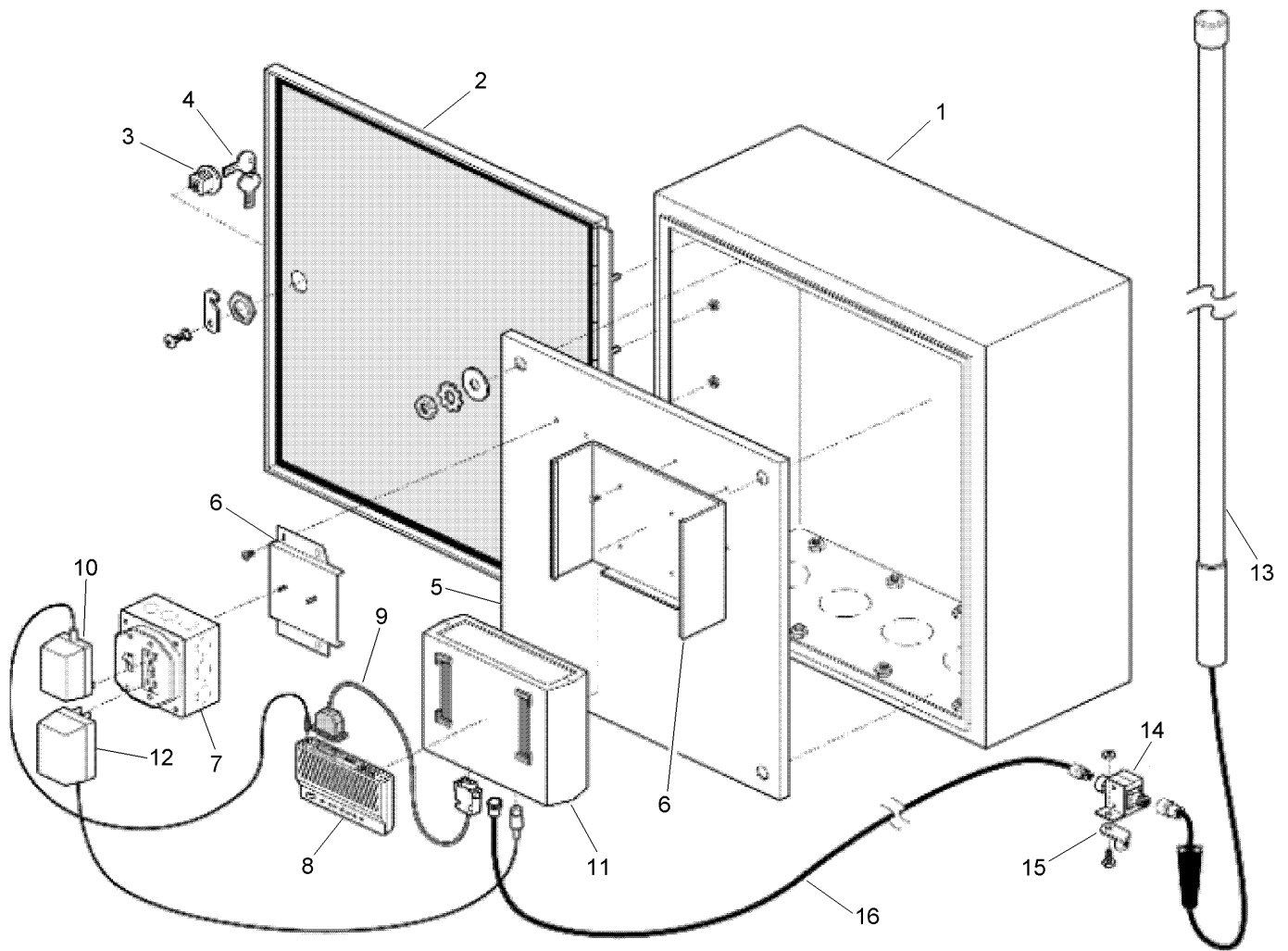
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# Sentinel Remote Transceiver



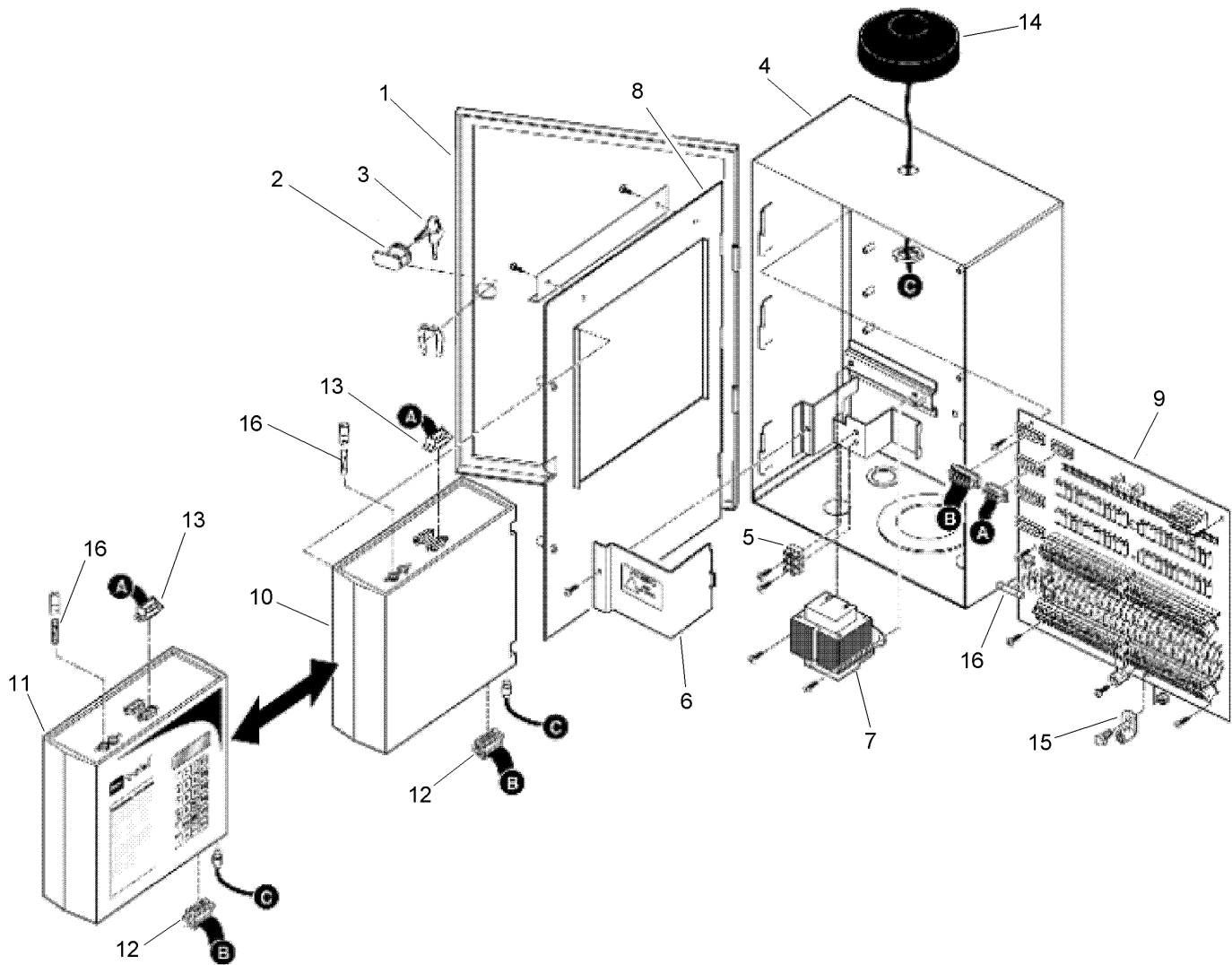
## Sentinel Remote Transceiver (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|-------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 102-4920           | 1           | Enclosure, Wall-Mount, Small, W/O Back Plate (Includes Items 2-4) | 11          | 102-2386           | 1           | Control Module Assembly, Remote Transceiver                       |
| 2           | 102-4923           | 1           | Door Assembly W/Lock (Includes Items 3 & 4)                       | 12          | 102-2377           | 1           | Power Supply, Central Interface Module, 115/16 V A.C., 1A         |
| 3           | 102-4930           | 1           | Lock Assembly, Door W/Keys                                        | 13          | 102-2379           | 1           | Base Antenna Assembly (Includes Item 14 And Wall Mount Brackets)  |
| 4           | 363-2789           | 1           | Key, Ch-71 (Includes 2 Keys)                                      | 14          | 102-4908           | 1           | Grounding Assembly, Antenna (Includes Item 15 And Insulation Kit) |
| 5           | 102-4921           | 1           | Back Plate, Small                                                 | 15          | 363-1553           | 1           | Lug, Grounding                                                    |
| 6           | 102-4918           | 1           | Mounting Bracket, Satellite Module                                | 16          | 102-2378           | 1           | Antenna Cable, 50' (15 M)                                         |
| 7           | 102-4922           | 1           | Junction Box Assembly, Srta                                       |             | 102-3407           | 1           | Fuse, 1 Amp, Slow Blow, 3Ag ●                                     |
| 8           | 102-2384           | 1           | Phone Modem Assembly (Includes Items 9 & 10)                      |             | 102-4929           |             | Tripod Stand, Antenna ●                                           |
| 9           | 102-2385           | 1           | Cable Assembly, Telephone Modem                                   |             |                    |             |                                                                   |
| 10          |                    | 1           | Power Supply, Telephone Modem ■                                   |             |                    |             |                                                                   |

● Not illustrated

■ Not serviced separately

Sentinel Map To Assy - Sm Metal Wall Mt



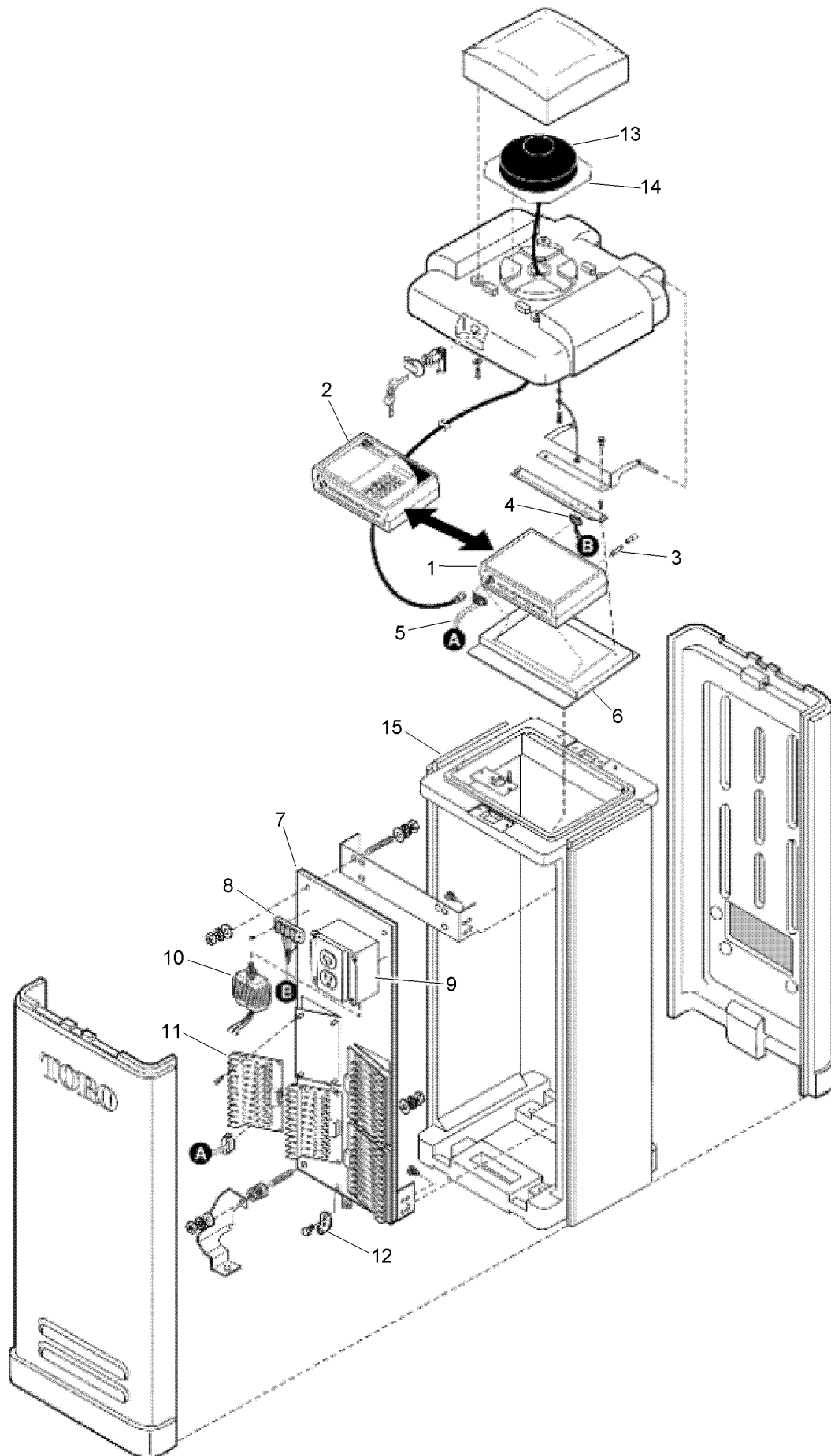
## Sentinel Map To Assy - Sm Metal Wall Mt (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               |
|-------------|--------------------|-------------|--------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------|
| 1           | 102-3527           | 1           | Cover, Outer Door (Includes Items 2 And 3)       | 10          | 102-2372           | 1           | Control Module Assembly, Satellite, 48 Station ■ |
| 2           | 102-3529           | 1           | Lock Assembly, Door With Keys                    | 11          | 102-4956           | 1           | Control Module Assembly, Mapto, 12 Station ■     |
| 3           | 360-0565           | 2           | Keys, 2 With Ring                                | 11          | 102-4957           | 1           | Control Module Assembly, Mapto, 24 Station ■     |
| 4           | 102-3537           | 4           | Rear Case (Includes Items 5 & 6)                 | 11          | 102-4958           | 1           | Control Module Assembly, Mapto, 36 Station ■     |
| 5           | 102-3535           | 1           | Cover, Power Supply                              | 11          | 102-4959           | 1           | Control Module Assembly, Mapto, 48 Station ■     |
| 6           |                    | 1           | Terminal Block, 3-Position ●                     | 12          | 102-4928           | 1           | Cable Assembly, Output, 18"                      |
| 7           | 102-3534           | 2           | Transformer, 120 V A.C., 60 Hz, 50 Va            | 13          |                    | 1           | Cable Assembly, Data Retrieval ●                 |
| 8           |                    | 1           | Cover, Inner Door ●                              | 14          | 102-4912           | 1           | Antenna Assembly, Pancake Type                   |
| 9           |                    | 1           | Output Board ●                                   | 15          | 363-1553           | 2           | Lug, Grounding                                   |
| 10          | 102-4913           | 1           | Control Module Assembly, Satellite, 12 Station ■ | 16          | 102-3406           | 4           | Fuse, 2 Amp , Slow-Blow (10-Pack)                |
| 10          | 102-2373           | 1           | Control Module Assembly, Satellite, 24 Station ■ |             |                    |             |                                                  |
| 10          | 102-4914           | 1           | Control Module Assembly, Satellite, 36 Station ■ |             |                    |             |                                                  |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# Sentinel Map To Assy - Plastic Pedestal Cabinet





## Sentinel Map To Assy - Plastic Pedestal Cabinet (continued)

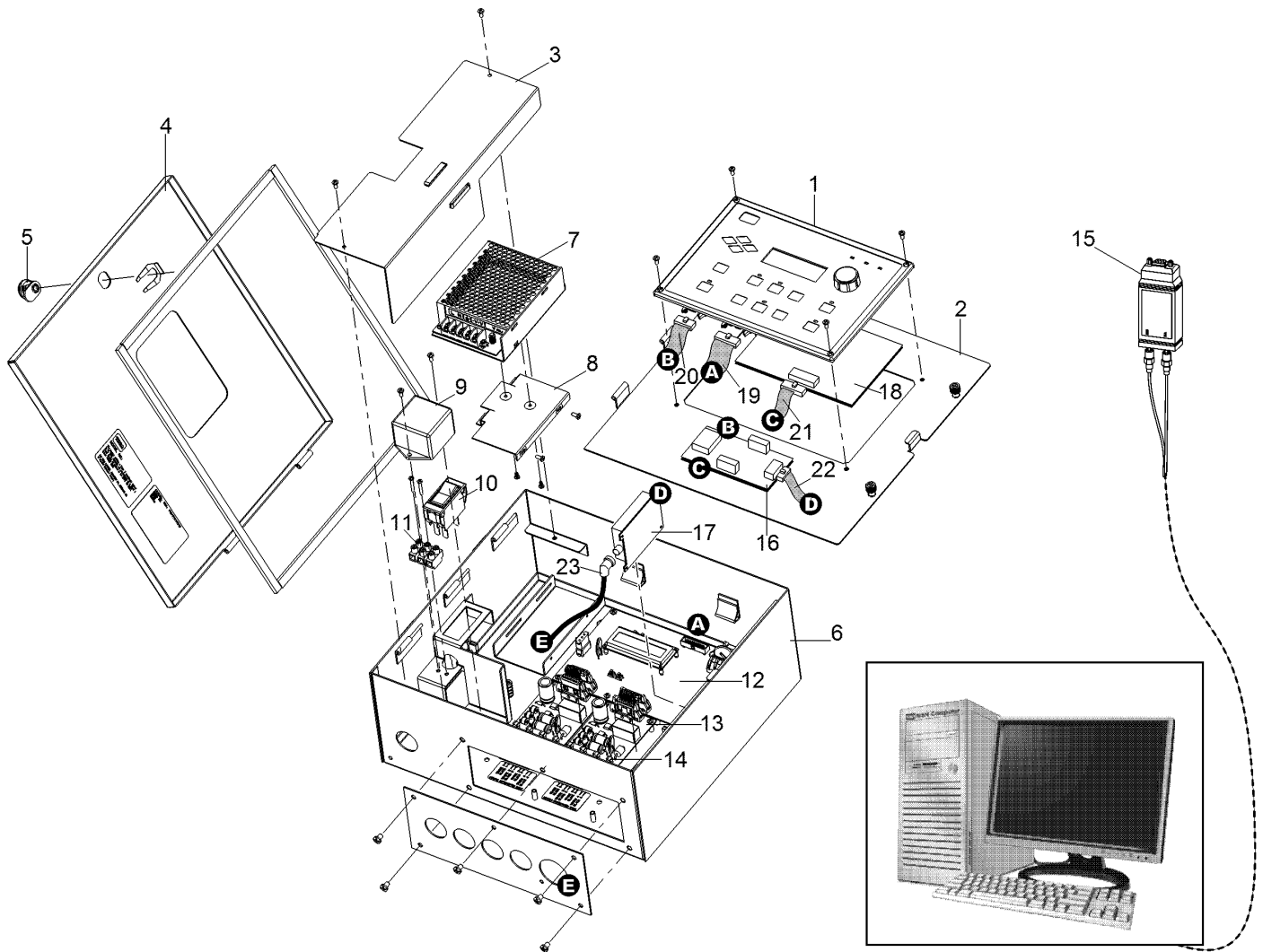
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                              |
|-------------|--------------------|-------------|--------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------------|
| 1           | 102-4913           | 1           | Control Module Assembly, Satellite, 12 Station ▲ | 5           | 102-4955           | 1           | Cable Assembly, Data Retrieval (Includes Item 7) ▲                                              |
| 1           | 102-2373           | 1           | Control Module Assembly, Satellite, 24 Station ▲ | 6           |                    | 1           | Mounting Bracket Assy., Control Module ●                                                        |
| 1           | 102-4914           | 1           | Control Module Assembly, Satellite, 36 Station ▲ | 7           |                    | 1           | Back Plate Assembly ●                                                                           |
| 1           | 102-2372           | 1           | Control Module Assembly, Satellite, 48 Station ▲ | 8           |                    | 1           | Terminal Strip ●                                                                                |
| 2           | 102-4956           | 1           | Control Module Assembly, Mapto, 12 Station ▲     | 9           | 363-4635           | 1           | Toggle Switch W/ Receptacle                                                                     |
| 2           | 102-4957           | 1           | Control Module Assembly, Mapto, 24 Station ▲     | 10          | 102-2369           | 1           | Power Transformer, 115/24 Vac, 60 Hz, 50 Va                                                     |
| 2           | 102-4958           | 1           | Control Module Assembly, Mapto, 36 Station ▲     | 11          | 102-2368           | 1           | Output Pcb Assembly ■                                                                           |
| 2           | 102-4959           | 1           | Control Module Assembly, Mapto, 48 Station ▲     | 12          | 363-1553           | 1           | Lug, Grounding                                                                                  |
| 3           | 102-3406           | 1           | Fuse, 2 Amp , Slow-Blow (10-Pack)                | 13          | 102-4912           | 1           | Antenna Assembly, Pancake Type                                                                  |
| 4           | 102-4924           | 2           | Cable Assembly, Output, 24" ▲                    | 14          |                    | 1           | Ground Plane, Antenna ●                                                                         |
| 4           | 102-4925           | 2           | Cable Assembly, Output, 30" ▲                    | 15          |                    | 1           | Satellite Plastic Pedestal & Components (See Satellite Plastic Pedestal Section For Details.) ● |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

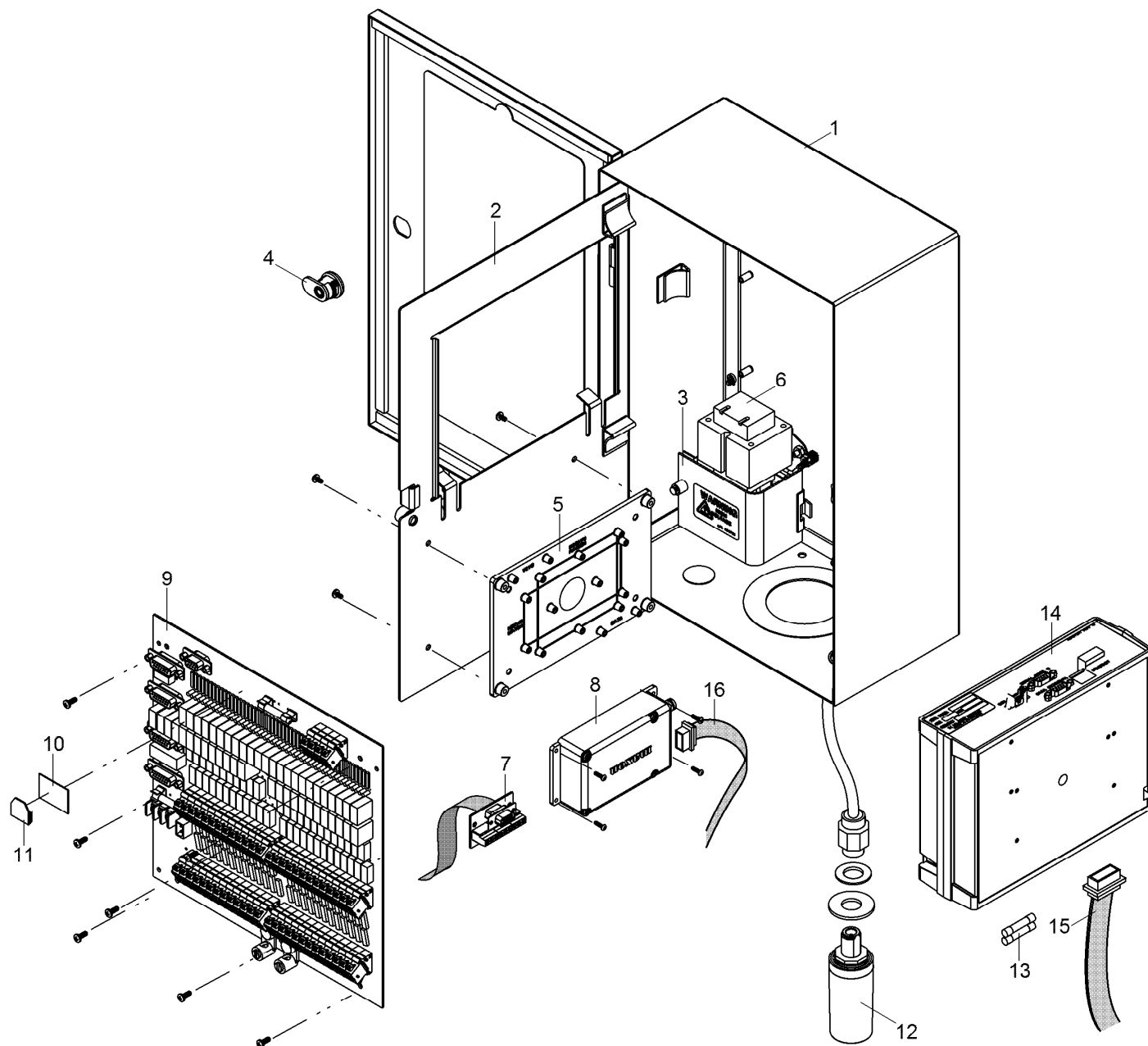
# Sentinel Two-Wire Decoder - Wall Mount



## Sentinel Two-Wire Decoder - Wall Mount (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                     |
|-------------|--------------------|-------------|----------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------|
| 1           | 102-5918SK         | 1           | Timing Mechanism Assy., Gateway (Stand-Alone)      | 12          | 118-4717SK         | 1           | Motherboard Assembly, Gateway, AC Decoder              |
| 1           | 118-4728SK         | 1           | Timing Mechanism Assy., Gateway (Remote)           | 13          | 118-2749SK         | 1           | Pcb Assy., Gateway Daughterboard                       |
| 2           | 102-5049           | 1           | Panel, Gateway, Decoder (Stand-Alone Models Only)  | 13          | 118-4718SK         | 1           | Daughterboard Assembly, AC Decoder                     |
| 2           | 118-3736           | 1           | Panel, Gateway, Downloadable/Remote                | 14          | 363-8506           | 8           | Fuse, 5 X 20Mm, Fast, 3.15A, 250V                      |
| 3           | 118-0496           | 1           | Power Supply Cover, Gateway, Decoder               | 15          | 102-6461           | 1           | Fiber Optic Converter Kit, Gateway To Central Computer |
| 4           | 102-5048SK         | 1           | Door, Gateway Decoder                              | 16          | 118-3101SK         | 1           | Digital Radio Interface Board, Gateway                 |
| 5           | 363-3785           | 1           | Lock Assy. W/Keys                                  | 17          | 118-3442SK         | 1           | Radio Module, Transceiver, Rv-M7-UC                    |
| 6           | 118-0880           | 1           | Cabinet, Gateway Decoder                           | 18          | 89-9026            | 1           | Standard Modem, Svc.                                   |
| 7           | 118-0540           | 1           | Power Supply, AC/DC, Gateway, Decoder              | 19          | 102-9176           | 1           | Cable, 40-Pos (A To A)                                 |
| 8           | 118-0475           | 1           | Power Supply Bracket, Upper                        | 20          | 118-3329           | 1           | Cable, Int Bd To Tm (B To B)                           |
| 9           | 102-9741           | 1           | Ttf, Filter Assembly                               | 21          | 118-3330           | 1           | Cable, Int Bd To Modem (C To C)                        |
| 10          | 363-3361           | 1           | Switch, Circuit Breaker, 1.5A                      | 22          | 118-3103           | 1           | Harness, Db9 (D To D)                                  |
| 11          | 102-4766SK         | 1           | Wire Harness, Terminal Block To Switch             | 23          | 118-3104           | 1           | Cable, Bnc To Bnc, Radio (E To E)                      |
| 12          | 118-2750SK         | 1           | Motherboard Assembly With Tricomm, Gateway Decoder |             |                    |             |                                                        |

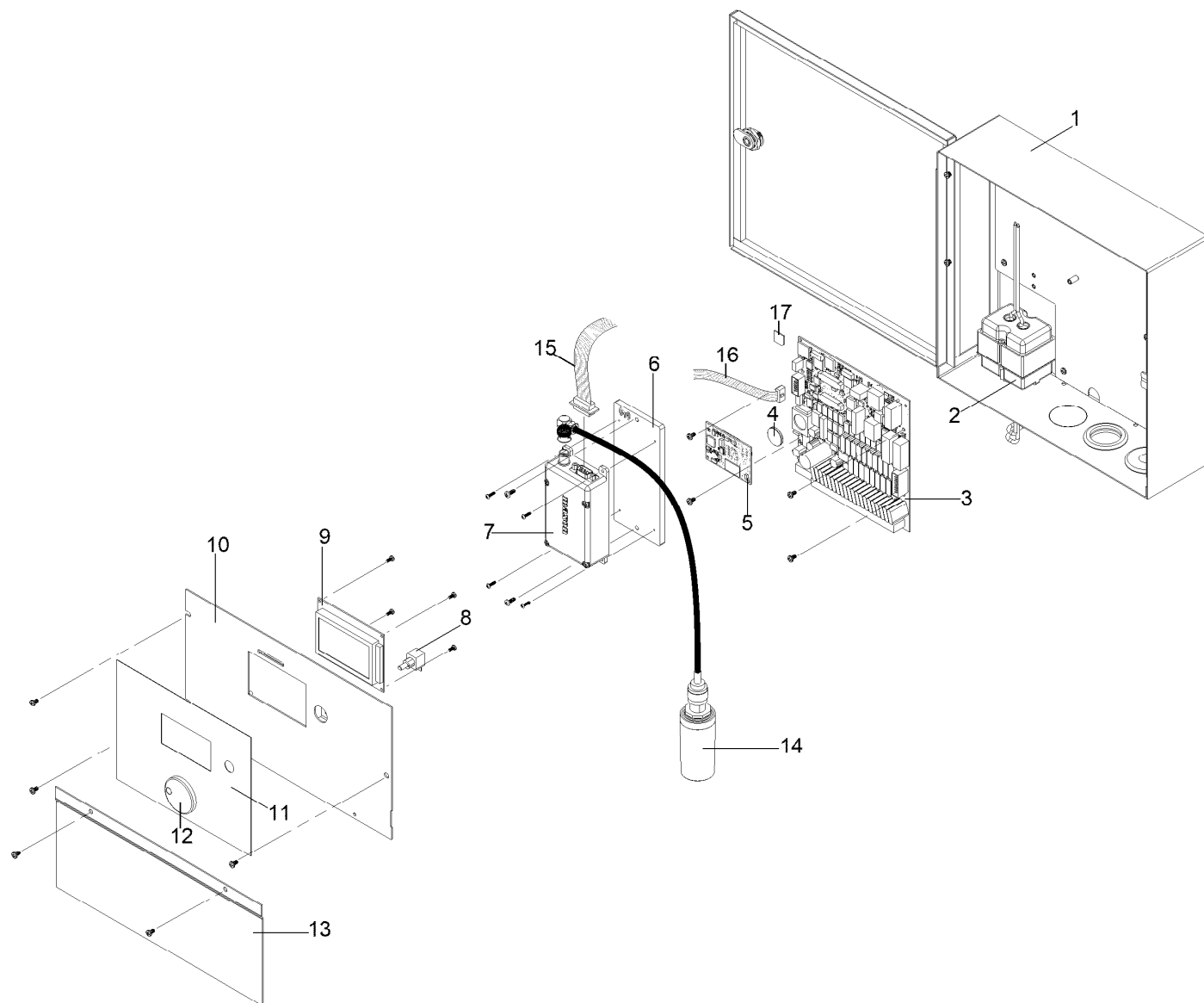
# Sentinel WS1, Conventional and Wireless Models



# Sentinel WS1, Conventional and Wireless Models (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------|
| 1           | 118-6025           | 1           | Cabinet Assembly                                                          | 10          | 118-3109           | 1           | Sentinel Wob Module, Slave (Wireless Models Only)     |
| 2           | 118-6030           | 1           | Inner Door                                                                | 11          | 364-1790           | 1           | Mod, Xbee (Wireless Models Only)                      |
| 3           | 118-6026           | 1           | Transformer Cover                                                         | 12          | SB-ANT-ATX4        | 1           | 450-470 Mhz High Profile, Omnidirectional Uhf Antenna |
| 4           | 363-1414           | 1           | Lock                                                                      | 13          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow                          |
| 5           | 118-3066           | 1           | Universal Radio Mounting Plate                                            | 14          | 118-2724SK         | 1           | Sentinel Control Module Kit, 12-Station               |
| 6           | 102-3534           | 1           | Transformer, 120 V A.C.                                                   | 14          | 118-2725SK         | 1           | Sentinel Control Module Kit, 24-Station               |
| 7           | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767)             | 14          | 118-2726SK         | 1           | Sentinel Control Module Kit, 36-Station               |
| 8           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 14          | 118-2727SK         | 1           | Sentinel Control Module Kit, 48-Station               |
| 9           | S-121              | 1           | Large 12-Station Conventional Output Board                                | 14          | 118-3105SK         | 1           | Sentinel Control Module Kit, Wireless (Xbee)          |
| 9           | S-241              | 1           | Large 24-Station Conventional Output Board                                | 14          | 118-5303           | 1           | Sentinel Control Module Kit, No Keypad, 12-Station    |
| 9           | S-361              | 1           | Large 36-Station Conventional Output Board                                | 14          | 118-5304           | 1           | Sentinel Control Module Kit, No Keypad, 24-Station    |
| 9           | S-481              | 1           | Large 48-Station Conventional Output Board                                | 14          | 118-5305           | 1           | Sentinel Control Module Kit, No Keypad, 36-Station    |
| 9           | W121-XB            | 1           | Large 12-Station Short-Range (Xbee) Wireless Output Board                 | 14          | 118-5306           | 1           | Sentinel Control Module Kit, No Keypad, 48-Station    |
| 9           | W241-XB            | 1           | Large 24-Station Short-Range (Xbee) Wireless Output Board                 | 15          | 102-5865           | 4           | Station Cable Assy., 17 Inch                          |
| 9           | W361-XB            | 1           | Large 36-Station Short-Range (Xbee) Wireless Output Board                 | 16          | 102-5868           | 1           | Data Retrieval Cable Assy.                            |
| 9           | W481-XB            | 1           | Large 48-Station Short-Range (Xbee) Wireless Output Board                 |             |                    |             |                                                       |

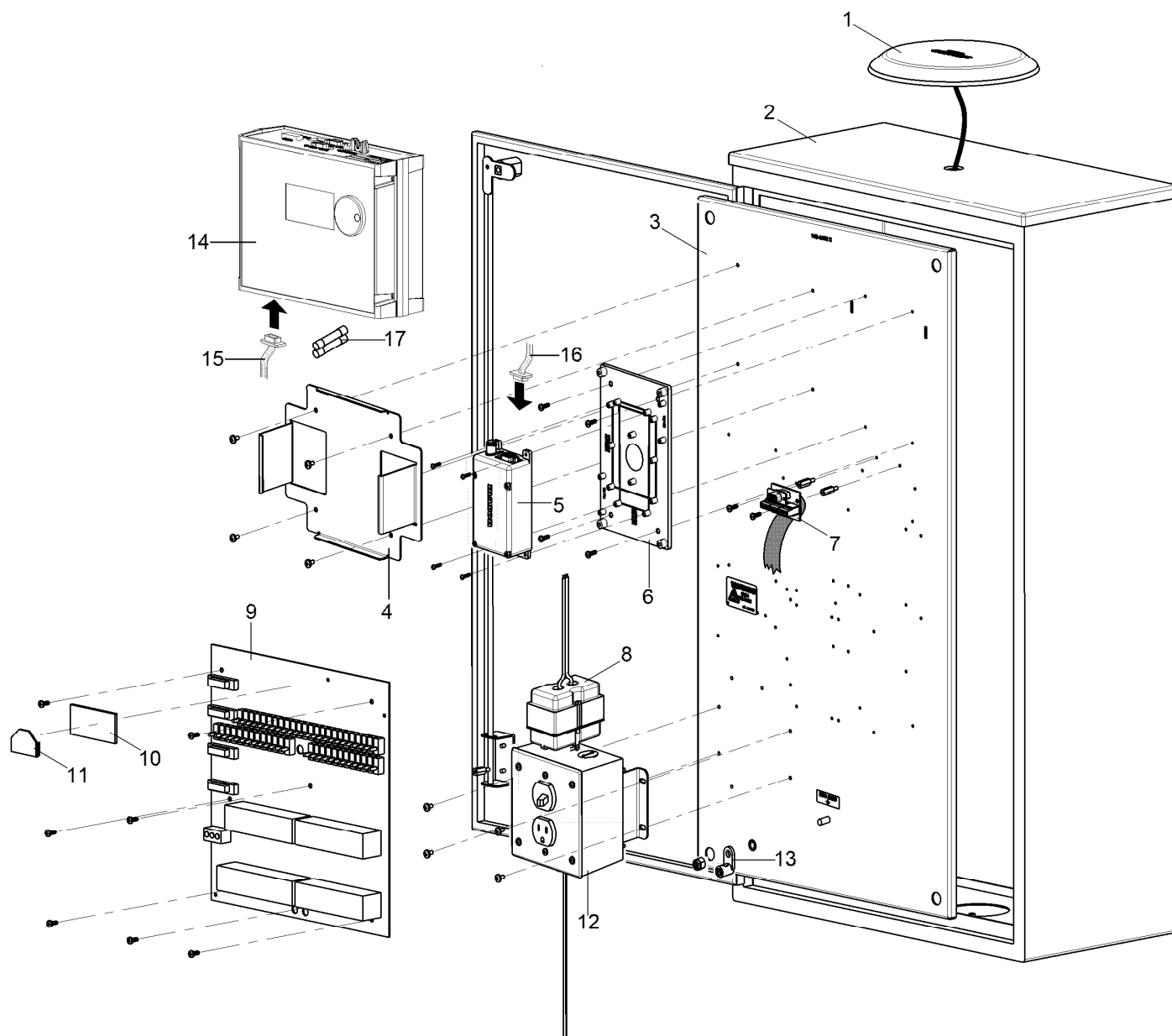
# Sentinel WS3, Conventional and No Keypad Models



## Sentinel WS3, Conventional and No Keypad Models (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------|
| 1           | 118-3785           | 1           | Cabinet Assembly                                                                | 8           | 364-0341           | 1           | Encoder, Rotary, Optical                                    |
| 2           | 615901-H           | 1           | Transformer, 120 V A.C.                                                         | 9           | 118-1724           | 1           | Sentinel Display Adapter                                    |
| 3           | 118-2853SK         | 1           | Sentinel 9-Station Control<br>Module Board                                      | 10          | 118-5211           | 1           | Upper Panel                                                 |
| 3           | 118-2854SK         | 1           | Sentinel 12-Station Control<br>Module Board                                     | 11          | 118-2735           | 1           | Keypad Overlay                                              |
| 3           | 118-2855SK         | 1           | Sentinel 18-Station Control<br>Module Board                                     | 12          | 364-1771           | 1           | Plastic Knob                                                |
| 4           | 363-8154           | 1           | Lithium Coin Battery, 2032                                                      | 13          | 118-5212           | 1           | Lower Panel                                                 |
| 5           | 118-3674           | 1           | Micro Board Assy.                                                               | 14          | SB-ANT-ATX4        | 1           | 450-470 Mhz High Profile,<br>Omnidirectional Uhf<br>Antenna |
| 6           | 118-4353           | 1           | Universal Radio Mounting<br>Plate                                               | 15          | 102-5868           | 1           | Data Retrieval Cable Assy.                                  |
| 7           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes<br>Data Cable, Universal<br>Mounting Plate And Screws) | 16          | 102-5865           | 1           | Station Cable Assy., 17 Inch                                |
|             |                    |             |                                                                                 | 17          | 363-6624           | 1           | 1 Gb Sd Card                                                |

# Sentinel WS5, Conventional and Wireless Models

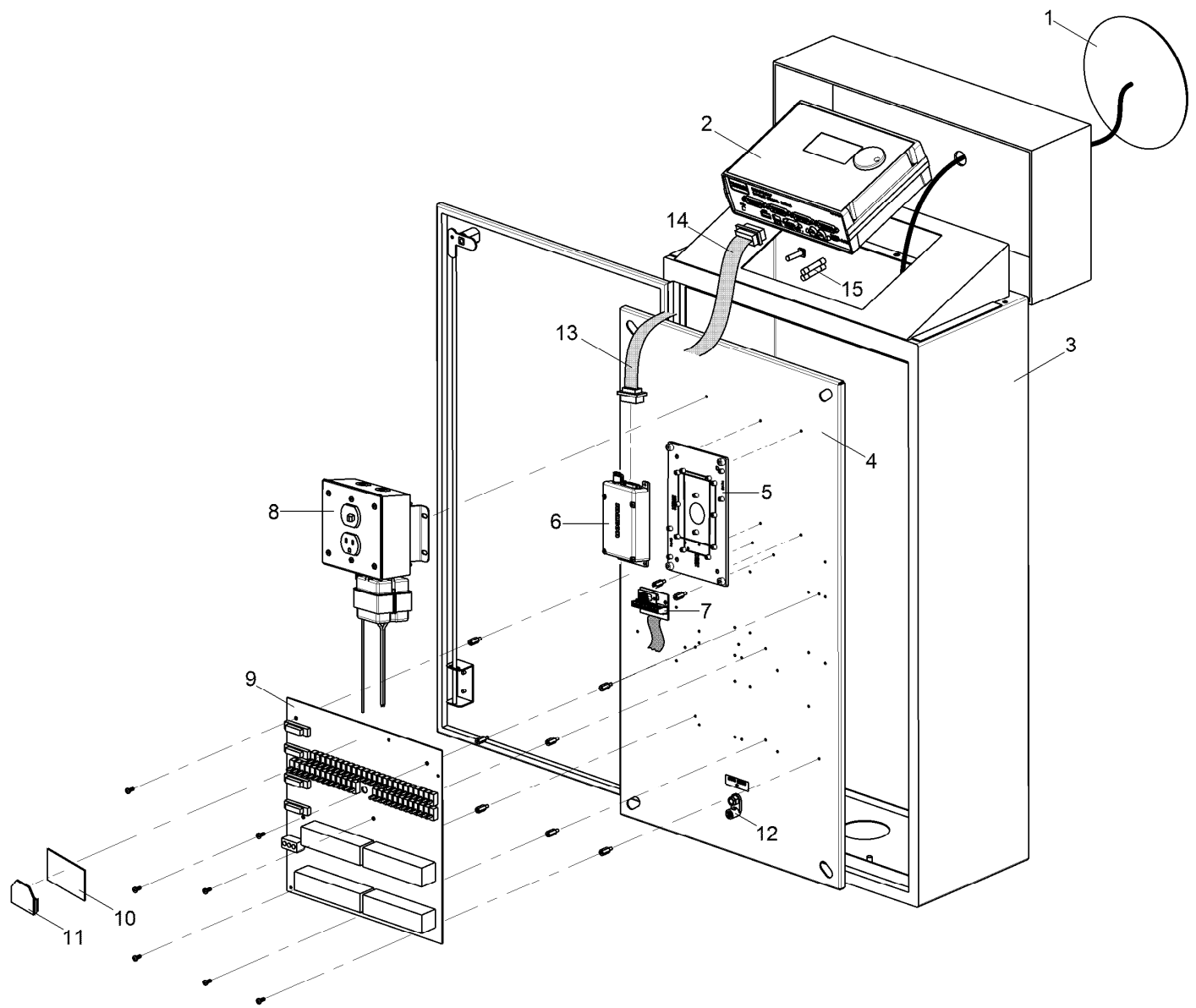




## Sentinel WS5, Conventional and Wireless Models (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                        |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------|
| 1           | SB-ANT-VRA4        | 1           | 450-470 Mhz Low Profile, Omnidirectional Uhf Antenna                      | 9           | W241-XB            | 1           | Large 24-Station Short-Range (Xbee) Wireless Output Board |
| 2           | 363-6193           | 1           | Ws5 Enclosure                                                             | 9           | W361-XB            | 1           | Large 36-Station Short-Range (Xbee) Wireless Output Board |
| 3           | 118-4170           | 1           | Back Plate, Ws5                                                           | 9           | W481-XB            | 1           | Large 48-Station Short-Range (Xbee) Wireless Output Board |
| 4           | 118-4198           | 1           | Mounting Bracket, Timing Mechanism                                        | 10          | 118-3109           | 1           | Sentinel Wob Module, Slave (Wireless Models Only)         |
| 5           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 11          | 364-1790           | 1           | Mod, Xbee (Wireless Models Only)                          |
| 6           | 118-3066           | 1           | Universal Radio Mounting Plate                                            | 12          | 118-4291           | 1           | Junction Box Assembly                                     |
| 7           | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767)             | 13          | 363-8639           | 1           | Ground Lug                                                |
| 8           | 102-2369           | 1           | Power Transformer, 115/24 V A.C., 50 Va                                   | 14          | 118-2712SK         | 1           | Control Module, 12-Station                                |
| 9           | S-121              | 1           | Large 12-Station Conventional Output Board                                | 14          | 118-2724SK         | 1           | Control Module, 24-Station                                |
| 9           | S-241              | 1           | Large 24-Station Conventional Output Board                                | 14          | 118-2736SK         | 1           | Control Module, 36-Station                                |
| 9           | S-361              | 1           | Large 36-Station Conventional Output Board                                | 14          | 118-2748SK         | 1           | Control Module, 48-Station                                |
| 9           | S-481              | 1           | Large 48-Station Conventional Output Board                                | 14          | 118-3105SK         | 1           | Sentinel Control Module Kit, Wireless (Xbee)              |
| 9           | W121-XB            | 1           | Large 12-Station Short-Range (Xbee) Wireless Output Board                 | 15          | 102-5865           | 4           | Station Cable Assy., 17 Inch                              |
|             |                    |             |                                                                           | 16          | 102-5868           | 1           | Data Retrieval Cable Assy.                                |
|             |                    |             |                                                                           | 17          | 363-9987           | 1           | Small Fuse, 2 Amp, Slow-Blow                              |

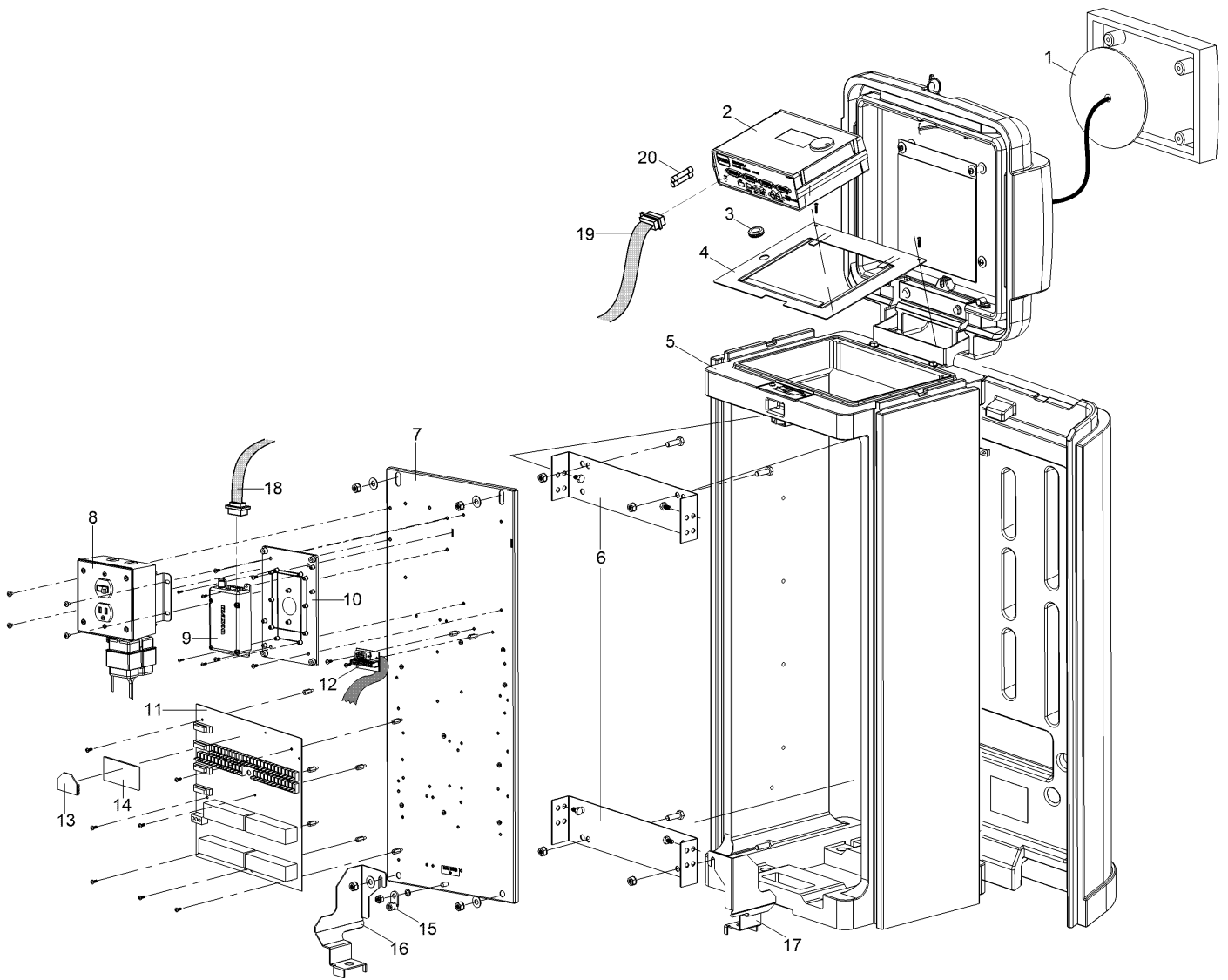
# Sentinel PS1, Conventional and Wireless Models



# Sentinel PS1, Conventional and Wireless Models (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                        |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------|
| 1           | SB-ANT-VRA4        | 1           | 450-470 Mhz Low Profile, Omnidirectional Uhf Antenna                      | 9           | S-241              | 1           | Large 24-Station Conventional Output Board                |
| 2           | 118-2724SK         | 1           | Sentinel Control Module Kit, 12-Station                                   | 9           | S-361              | 1           | Large 36-Station Conventional Output Board                |
| 2           | 118-2725SK         | 1           | Sentinel Control Module Kit, 24-Station                                   | 9           | S-481              | 1           | Large 48-Station Conventional Output Board                |
| 2           | 118-2726SK         | 1           | Sentinel Control Module Kit, 36-Station                                   | 9           | W121-XB            | 1           | Large 12-Station Short-Range (Xbee) Wireless Output Board |
| 2           | 118-2727SK         | 1           | Sentinel Control Module Kit, 48-Station                                   | 9           | W241-XB            | 1           | Large 24-Station Short-Range (Xbee) Wireless Output Board |
| 2           | 118-3105SK         | 1           | Sentinel Control Module Kit, Wireless (Xbee)                              | 9           | W361-XB            | 1           | Large 36-Station Short-Range (Xbee) Wireless Output Board |
| 3           | 363-6194           | 1           | Ps1 Enclosure                                                             | 9           | W481-XB            | 1           | Large 48-Station Short-Range (Xbee) Wireless Output Board |
| 4           | 118-4516           | 1           | Back Plate, Ps1                                                           | 10          | 118-3109           | 1           | Sentinel Wob Module, Slave (Wireless Models Only)         |
| 5           | 118-3066           | 1           | Universal Radio Mounting Plate                                            | 11          | 364-1790           | 1           | Mod, Xbee (Wireless Models Only)                          |
| 6           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 12          | 363-8639           | 1           | Ground Lug                                                |
| 7           | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767)             | 13          | 102-5868           | 1           | Data Retrieval Cable Assy.                                |
| 8           | 118-4320           | 1           | Power Supply Junction Box Assy.                                           | 14          | 102-5865           | 4           | Station Cable, 17 Inch                                    |
| 9           | S-121              | 1           | Large 12-Station Conventional Output Board                                | 15          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow                              |

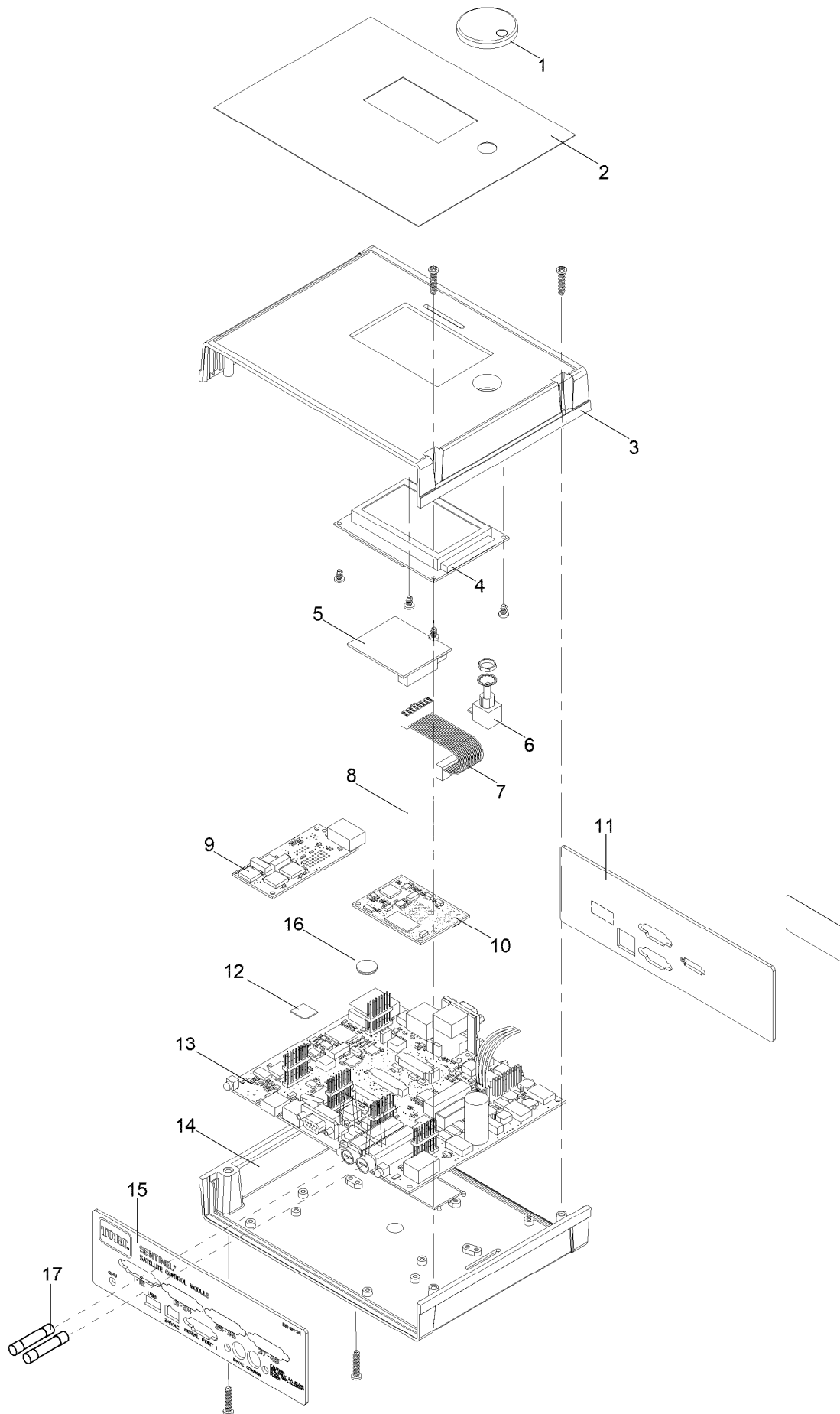
# Sentinel PP1, PP2 and PP3



## Sentinel PP1, PP2 and PP3 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------|
| 1           | SB-ANT-VRA4        | 1           | 450-470 Mhz Low Profile, Omnidirectional Uhf Antenna                      | 11          | S-361              | 1           | Large 36-Station Conventional Output Board                    |
| 2           | 118-2724SK         | 1           | Sentinel Control Module Kit, 12-Station                                   | 11          | S-481              | 1           | Large 48-Station Conventional Output Board                    |
| 2           | 118-2725SK         | 1           | Sentinel Control Module Kit, 24-Station                                   | 11          | W121-XB            | 1           | Large 12-Station Short-Range (Xbee) Wireless Output Board     |
| 2           | 118-2726SK         | 1           | Sentinel Control Module Kit, 36-Station                                   | 11          | W241-XB            | 1           | Large 24-Station Short-Range (Xbee) Wireless Output Board     |
| 2           | 118-2727SK         | 1           | Sentinel Control Module Kit, 48-Station                                   | 11          | W361-XB            | 1           | Large 36-Station Short-Range (Xbee) Wireless Output Board     |
| 2           | 118-3105SK         | 1           | Sentinel Control Module Kit, Wireless (Xbee)                              | 11          | W481-XB            | 1           | Large 48-Station Short-Range (Xbee) Wireless Output Board     |
| 3           | 363-4419           | 1           | Rubber Grommit                                                            | 12          | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767) |
| 4           | 118-4337           | 1           | Top Tray                                                                  | 13          | 364-1790           | 1           | Mod, Xbee (Wireless Models Only)                              |
| 5           | 118-0828           | 1           | Plastic Pedestal Assembly (See Plastic Pedestal Parts Breakout)           | 14          | 118-3109           | 1           | Sentinel Wob Module, Slave (Wireless Models Only)             |
| 6           | 118-1015           | 2           | Bracket                                                                   | 15          | 363-8639           | 1           | Ground Lug                                                    |
| 7           | 118-3086           | 1           | Backplate, Bare                                                           | 16          | 102-3073           | 1           | Foot Support Bracket                                          |
| 8           | 118-4320           | 1           | Power Supply Junction Box Assy.                                           | 17          | 102-3072           | 1           | Foot Mount Bracket                                            |
| 8           | 118-4403           | 1           | Power Supply Junction Box Assy., 100Va                                    | 18          | 102-5868           | 1           | Data Retrieval Cable Assy.                                    |
| 9           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 19          | 102-5865           | 4           | Station Cable, 17 Inch                                        |
| 10          |                    | 1           | Universal Radio Mounting Plate                                            | 20          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow                                  |
| 11          | S-121              | 1           | Large 12-Station Conventional Output Board                                |             |                    |             |                                                               |
| 11          | S-241              | 1           | Large 24-Station Conventional Output Board                                |             |                    |             |                                                               |

# Sentinel V3 Control Module

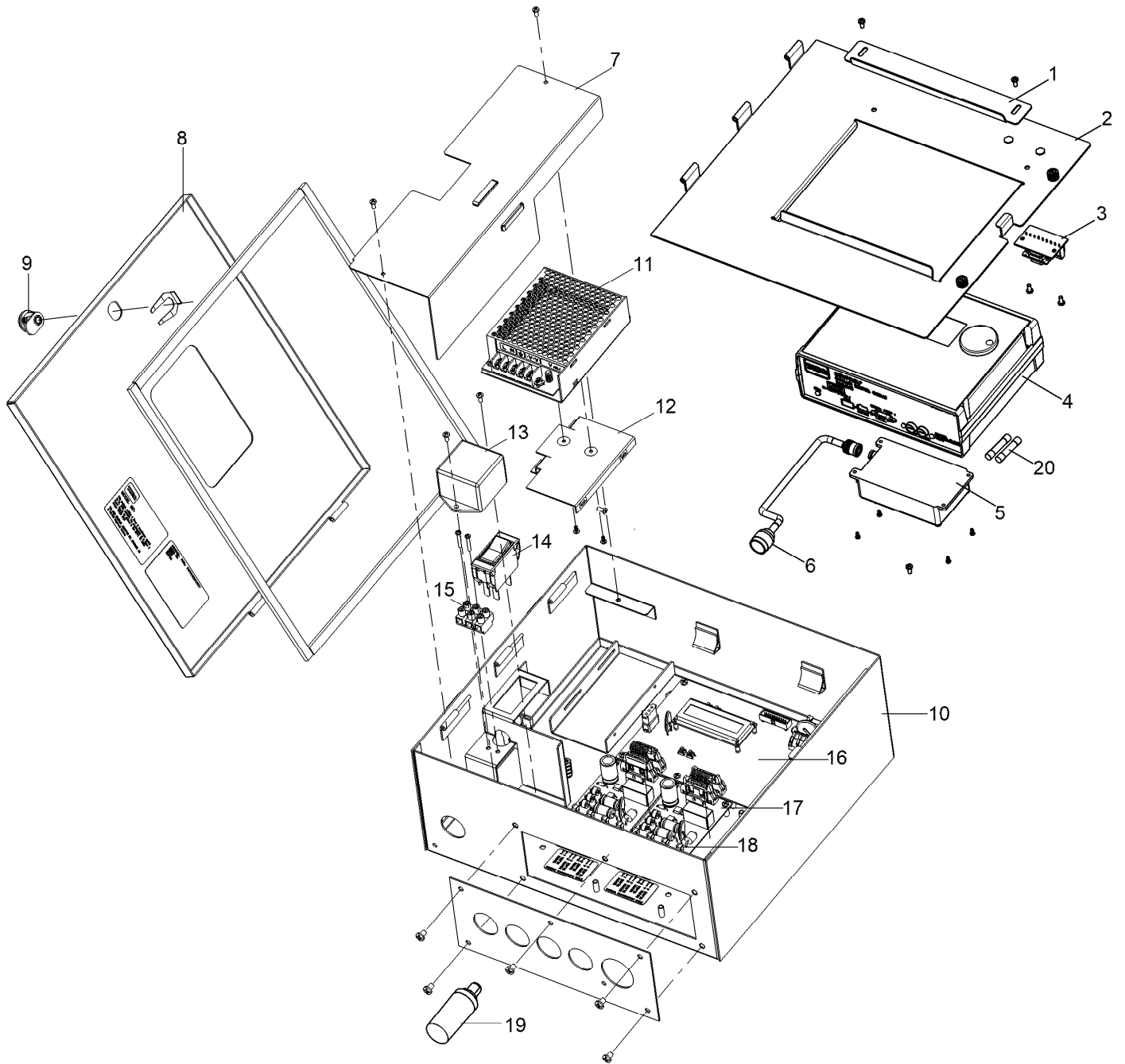


## Sentinel V3 Control Module (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|--------------------------------------------------|-------------|--------------------|-------------|---------------------------------|
| 1           | 364-1771           | 1           | Plastic Knob                                     | 9           | 118-1726           | 1           | Radio Adapter                   |
| 2           | 118-2735           | 1           | Keypad Overlay                                   | 10          | 118-3674           | 1           | Micro Board Assy.               |
| 3           | 118-2733           | 1           | Top Case                                         | 11          | 118-2734           | 1           | Rear Panel                      |
| 4           | 118-1724           | 1           | Sentinel Display Adapter<br>(Includes Item 5)    | 12          | 363-6624           | 1           | 1 Gb Sd Card                    |
| 5           |                    | 1           | Display Adapter Board<br>(Included With Item 4)● | 13          | 118-1431           | 1           | Control Module Main Board       |
| 6           | 364-0341           | 1           | Encoder, Rotary, Optical                         | 14          | 118-2732           | 1           | Bottom Case                     |
| 7           | 364-1135           | 1           | Station Cable                                    | 15          | 118-2731           | 1           | Front Panel                     |
| 8           | 118-0938           | 1           | Station Output Board                             | 16          | 363-8154           | 1           | Lithium Coin Battery, 2032      |
|             |                    |             |                                                  | 17          | 363-9987           | 2           | Small Fuse, 2 Amp,<br>Slow-Blow |

● Not serviced separately

# Sentinel 2-Wire Decoder

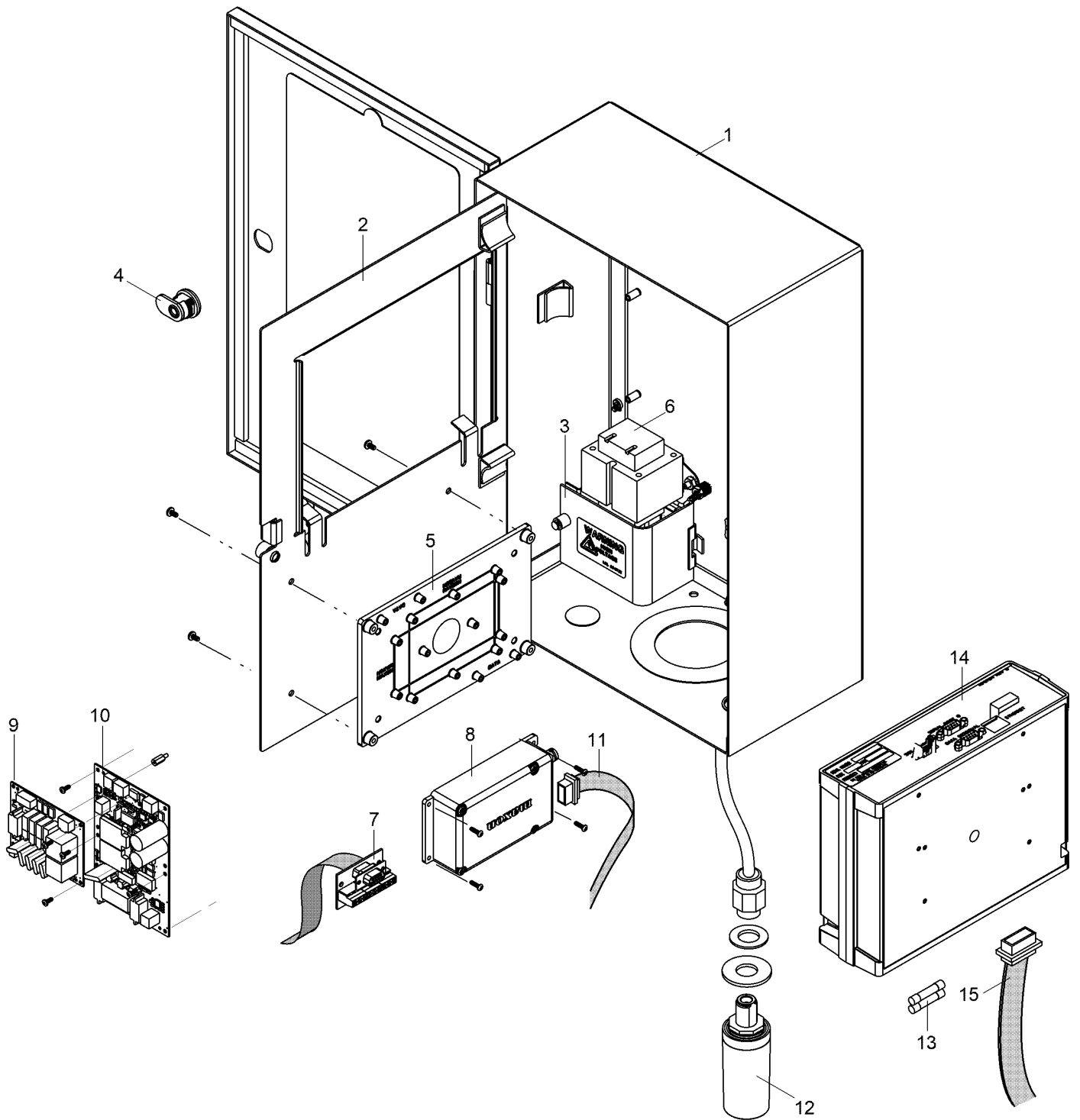




## Sentinel 2-Wire Decoder (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------|
| 1           | 102-3424           | 1           | Upper Bracket, Tm                                                         | 12          | 118-0475           | 1           | Power Supply Bracket, Upper                           |
| 2           | 102-5049           | 1           | Panel, Gateway, Decoder (Stand-Alone Models Only)                         | 13          | 102-9741           | 1           | Ttf, Filter Assembly                                  |
| 3           | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767)             | 14          | 363-3361           | 1           | Switch, Circuit Breaker, 1.5A                         |
| 4           | 118-3106SK         | 1           | Sentinel 2-Wire Timing Mechanism                                          | 15          | 363-8650           | 1           | Terminal Block, 3-Position                            |
| 5           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 16          | 118-2750SK         | 1           | Motherboard Assembly With Tricomm, Gateway Decoder    |
| 6           |                    | 1           | Antenna Wire                                                              | 17          | 118-2749SK         | 1           | Pcb Assy., Gateway Daughterboard                      |
| 7           | 118-0496           | 1           | Power Supply Cover, Gateway, Decoder                                      | 18          | 363-8506           | 1           | Fuse, 5 X 20Mm, Fast, 3.15A, 250V                     |
| 8           | 102-5048SK         | 1           | Door, Gateway Decoder                                                     | 19          | SB-ANT-ATX4        | 1           | 450-470 Mhz High Profile, Omnidirectional Uhf Antenna |
| 9           | 363-3785           | 1           | Lock Assy. W/Keys                                                         | 20          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow                          |
| 10          | 102-5047SK         | 1           | Cabinet, Gateway Decoder                                                  |             |                    |             |                                                       |
| 11          | 118-0540           | 1           | Power Supply, AC/DC, Gateway, Decoder                                     |             |                    |             |                                                       |

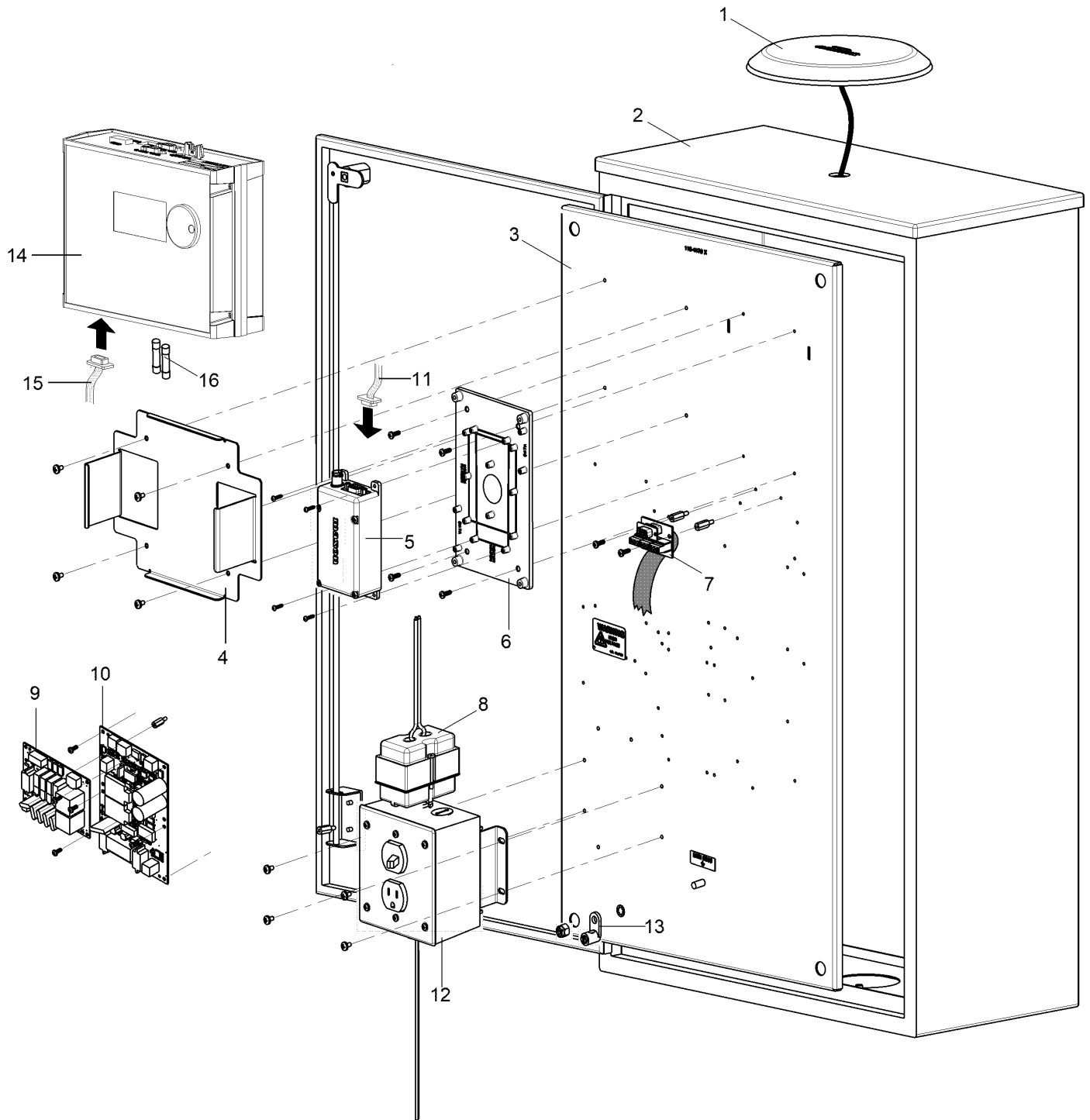
# Sentinel WS1, AC Two-Wire



## Sentinel WS1, AC Two-Wire (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------|
| 1           | 118-6025           | 1           | Cabinet Assembly                                                                | 10          | 118-3998           | 1           | AC Decoder Pcb                                              |
| 2           | 118-6030           | 1           | Inner Door                                                                      | 11          | 102-5868           | 1           | Data Retrieval Cable Assy.                                  |
| 3           | 118-6026           | 1           | Transformer Cover                                                               | 12          | SB-ANT-ATX4        | 1           | 450-470 Mhz High Profile,<br>Omnidirectional Uhf<br>Antenna |
| 4           | 363-1414           | 1           | Lock                                                                            | 13          | 363-9987           | 2           | Small Fuse, 2 Amp,<br>Slow-Blow                             |
| 5           | 118-3066           | 1           | Universal Radio Mounting<br>Plate                                               | 14          | 118-3106           | 1           | Sentinel Timing Mechanism,<br>2-Wire                        |
| 6           | 118-0894           | 1           | Transformer, 115 V A.C.,<br>50Va                                                | 15          | 118-0787           | 1           | Cable, Connect Mv To Tm                                     |
| 7           | SB-DRCA            | 1           | Data Retrieval Assembly<br>W/ Terminal Block (Includes<br>118-3767)             |             | 118-4459           | 1           | Cable, Connect Mv To<br>Decoder ■●                          |
| 8           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes<br>Data Cable, Universal<br>Mounting Plate And Screws) |             | 118-4460           | 1           | Cable, Connect Decoder To<br>Tm ■●                          |
| 9           | 118-4255           | 1           | Mv Output Board                                                                 |             |                    |             |                                                             |

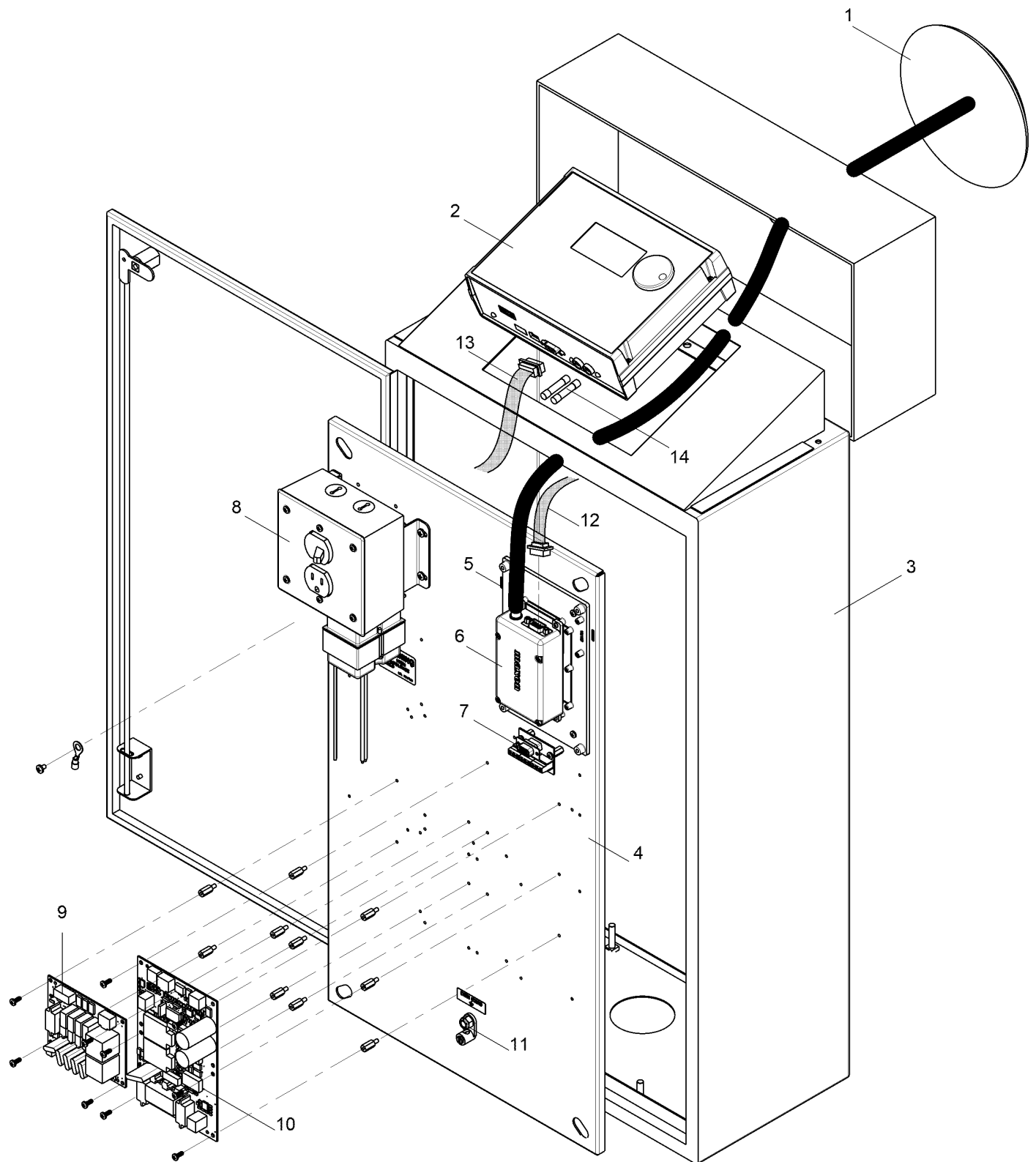
# Sentinel WS5, AC Two-Wire



## Sentinel WS5, AC Two-Wire (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------|
| 1           | SB-ANT-VRA4        | 1           | 450-470 Mhz Low Profile, Omnidirectional Uhf Antenna                      | 9           | 118-4255           | 1           | Mv Output Board                   |
| 2           | 363-6193           | 1           | Ws5 Enclosure                                                             | 10          | 118-3998           | 1           | AC Decoder Pcb                    |
| 3           | 118-4170           | 1           | Back Plate, Ws5                                                           | 11          | 102-5868           | 1           | Data Retrieval Cable Assy.        |
| 4           | 118-4198           | 1           | Mounting Bracket, Timing Mechanism                                        | 12          | 118-4291           | 1           | Junction Box Assembly             |
| 5           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 13          | 363-8639           | 1           | Ground Lug                        |
| 6           |                    | 1           | Universal Radio Mounting Plate                                            | 14          | 118-3106           | 1           | Sentinel Timing Mechanism, 2-Wire |
| 7           | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767)             | 15          | 118-0787           | 1           | Cable, Connect Mv To Tm           |
| 8           | 102-2369           | 1           | Power Transformer, 115/24 V A.C., 50 Va                                   | 16          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow      |
|             |                    |             |                                                                           |             | 118-4459           | 1           | Cable, Connect Mv To Decoder ■●   |
|             |                    |             |                                                                           |             | 118-4460           | 1           | Cable, Connect Decoder To Tm ■●   |

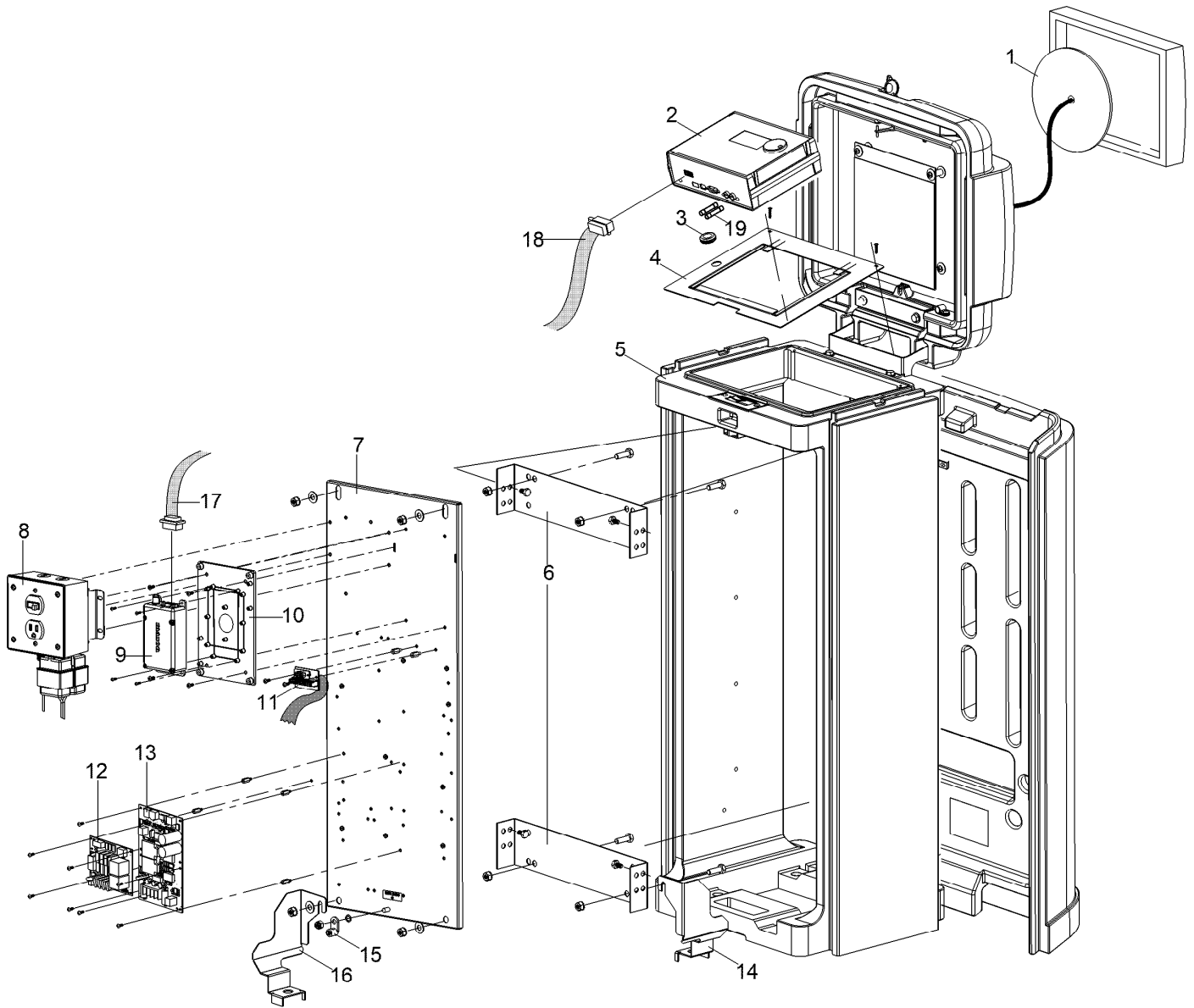
# Sentinel PS1, AC Two-Wire



## Sentinel PS1, AC Two-Wire (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------|
| 1           | SB-ANT-VRA4        | 1           | 450-470 Mhz Low Profile, Omnidirectional Uhf Antenna                      | 8           | 118-4320           | 1           | Power Supply Junction Box Assy. |
| 2           | 118-3106           | 1           | Sentinel Timing Mechanism, 2-Wire                                         | 9           | 118-4255           | 1           | Mv Output Board                 |
| 3           | 363-6194           | 1           | Ps1 Enclosure                                                             | 10          | 118-3998           | 1           | AC Decoder Pcb                  |
| 4           | 118-4516           | 1           | Back Plate, Ps1                                                           | 11          | 363-8639           | 1           | Ground Lug                      |
| 5           | 118-3066           | 1           | Universal Radio Mounting Plate                                            | 12          | 102-5868           | 1           | Data Retrieval Cable Assy.      |
| 6           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 13          | 118-4584           | 1           | Cable, Connect Mv To Tm         |
| 7           |                    | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767)             | 14          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow    |
|             |                    |             |                                                                           |             | 118-4459           | 1           | Cable, Connect Mv To Decoder ■● |
|             |                    |             |                                                                           |             | 118-4460           | 1           | Cable, Connect Decoder To Tm ■● |

# Sentinel PP1, PP2 and PP3 - AC Two-Wire

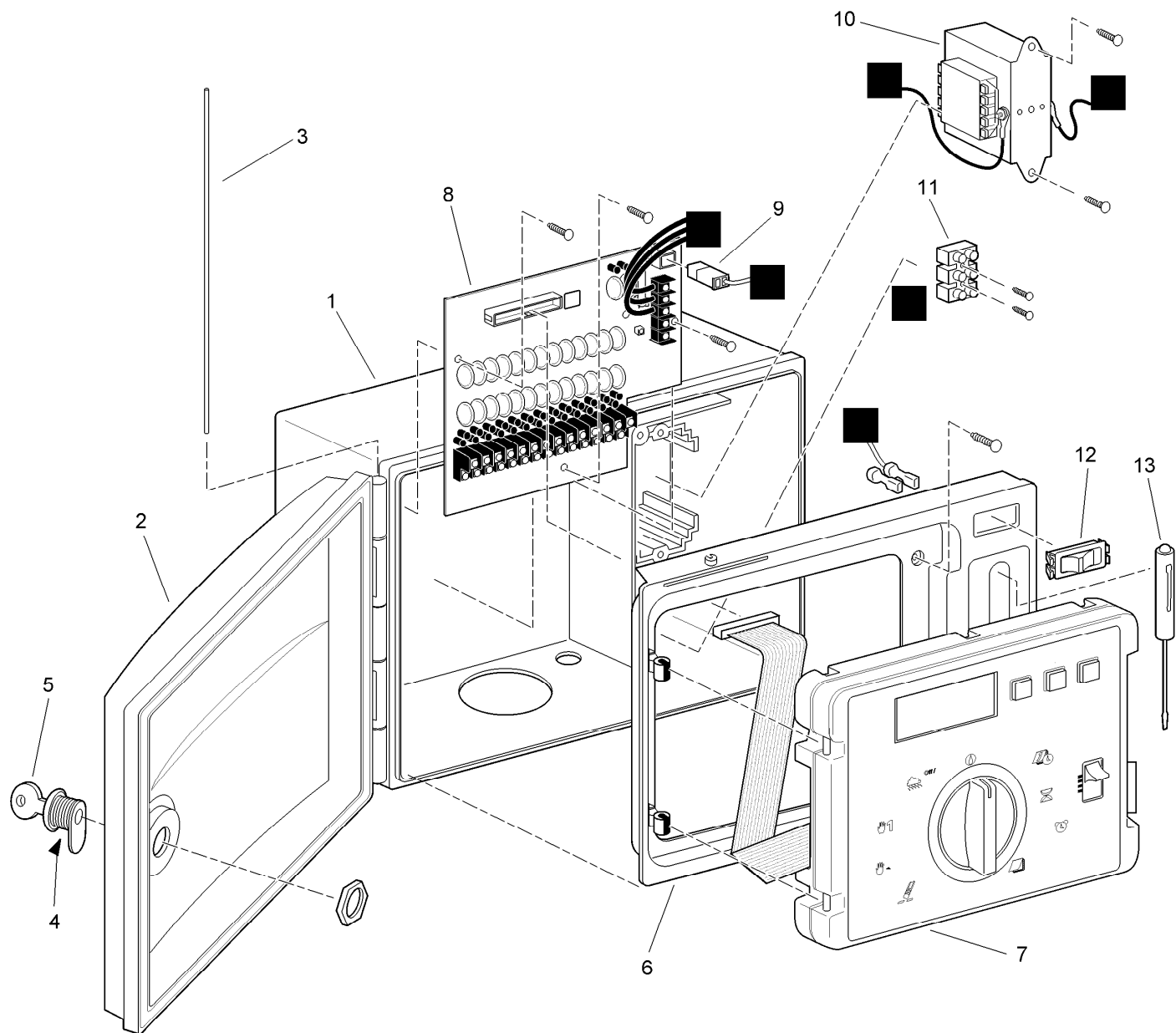




## Sentinel PP1, PP2 and PP3 - AC Two-Wire (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            |
|-------------|--------------------|-------------|---------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------|
| 1           | SB-ANT-VRA4        | 1           | 450-470 Mhz Low Profile, Omnidirectional Uhf Antenna                      | 10          | 118-3066           | 1           | Universal Radio Mounting Plate                                |
| 2           | 118-3106           | 1           | Sentinel Timing Mechanism, 2-Wire                                         | 11          | SB-DRCA            | 1           | Data Retrieval Assembly W/ Terminal Block (Includes 118-3767) |
| 3           | 363-4419           | 1           | Rubber Grommit                                                            | 12          | 118-4255           | 1           | Mv Output Board                                               |
| 4           | 118-4337           | 1           | Top Tray                                                                  | 13          | 118-3998           | 1           | AC Decoder Pcb                                                |
| 5           | 118-0828           | 1           | Plastic Pedestal Assembly (See Plastic Pedestal Parts Breakout)           | 14          | 102-3072           | 1           | Foot Mount Bracket                                            |
| 6           | 118-1015           | 2           | Bracket                                                                   | 15          | 363-8639           | 1           | Ground Lug                                                    |
| 7           | 118-3086           | 1           | Backplate, Bare                                                           | 16          | 102-3073           | 1           | Foot Support Bracket                                          |
| 8           | 118-4320           | 1           | Power Supply Junction Box Assy.                                           | 17          | 102-5868           | 1           | Data Retrieval Cable Assy.                                    |
| 8           | 118-4403           | 1           | Power Supply Junction Box Assy., 100Va                                    | 18          | 118-4584           | 1           | Cable, Connect Mv To Tm                                       |
| 9           | SB-RAD-MAX125      | 1           | Maxon 125 Uhf, (Includes Data Cable, Universal Mounting Plate And Screws) | 19          | 363-9987           | 2           | Small Fuse, 2 Amp, Slow-Blow                                  |
|             |                    |             |                                                                           |             | 118-4460           | 1           | Cable, Connect Decoder To Tm ■●                               |
|             |                    |             |                                                                           |             | 118-4459           | 1           | Cable, Connect Mv To Decoder ■●                               |

# Custom Command 9 through 24 Station - Plastic



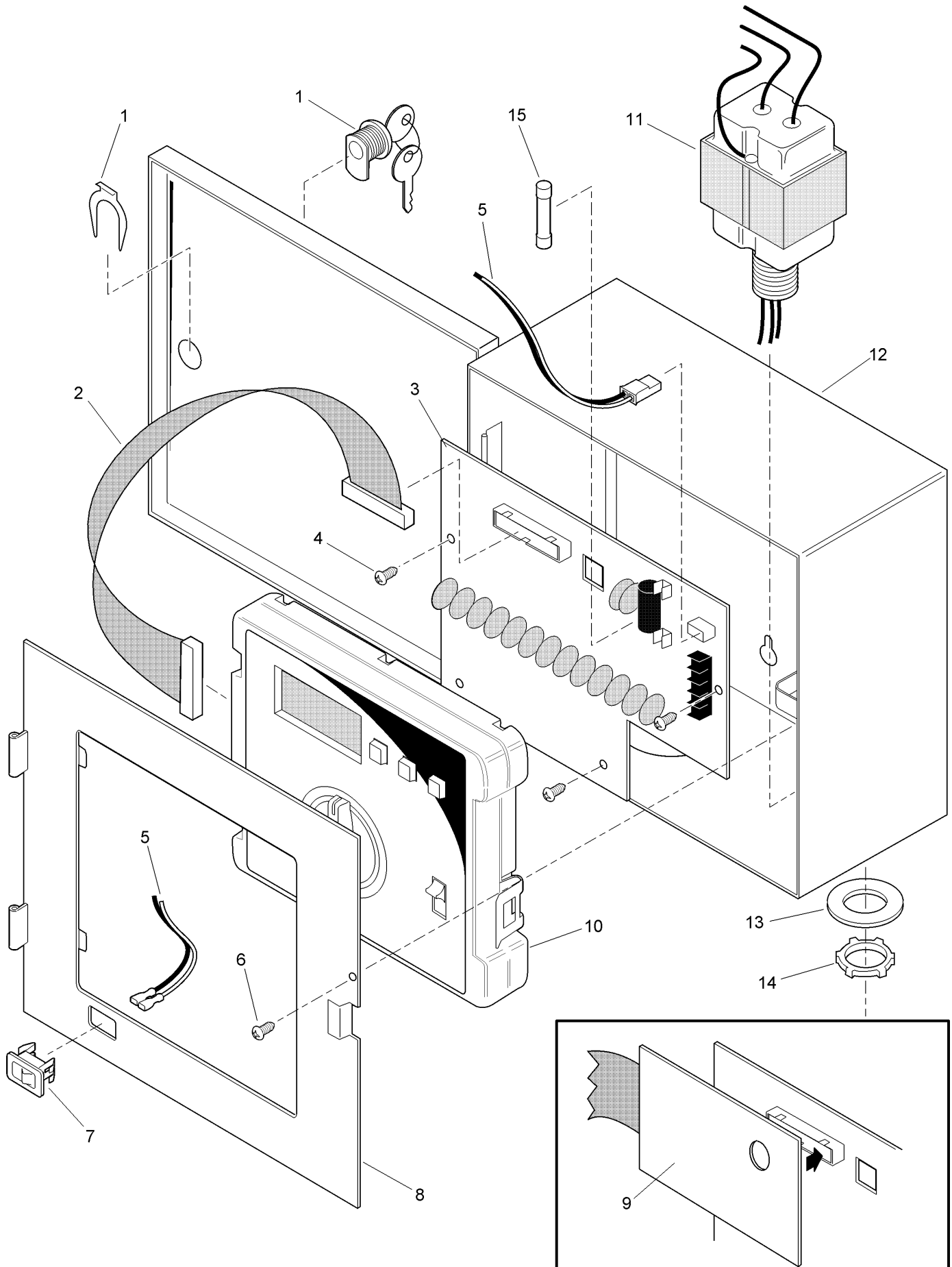
## Custom Command 9 through 24 Station - Plastic (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            |
|-------------|--------------------|-------------|--------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------|
| 1           | 89-9641            | 1           | Case, Back, Plastic                  | 8           | 89-9833            | 1           | Pcb Assy., 9-Station                                          |
| 2           | 89-9642            | 1           | Cover, Case, Plastic                 | 8           | 89-9834            | 1           | Surge Board, 12-Station                                       |
| 3           | 89-9872            | 1           | Pin, Hinge                           | 8           | 89-9890            | 1           | Surge Board, 15-Station                                       |
| 4           | 363-3884           | 1           | Lock Assy.                           | 8           | 89-9891            | 1           | Surge Board, 18-Station                                       |
| 5           | 360-0565           | 2           | Key                                  | 8           | 89-9892            | 1           | Surge Board, 24-Station                                       |
| 6           | 89-9643            | 1           | Faceplate                            | 9           | 1077601            | 1           | Wire Harness                                                  |
| 7           |                    | 1           | Timing Mechanism Module, 6-Station ▲ | 10          | 89-9624            | 1           | Transformer Assy., 120 V A.C., 50Va                           |
| 7           | 102-7804           | 1           | Timing Mechanism Module, 9-Station   | 10          | 89-9623            | 1           | Transformer Assy., 220?240 V A.C., 50Va                       |
| 7           | 102-7805           | 1           | Timing Mechanism Module, 12-Station  | 11          |                    | 1           | Terminal Block ▲                                              |
| 7           | 102-7806           | 1           | Timing Mechanism Module, 15-Station  | 12          | 1077501            | 1           | Slide Switch                                                  |
| 7           | 102-7807           | 1           | Timing Mechanism Module, 18-Station  | 13          | 363-3885           | 1           | Screwdriver, Toro                                             |
| 7           | 102-7808           | 1           | Timing Mechanism Module, 24-Station  |             | 102-2656           |             | Kit, Service, Surge Board, 12-Station (Export Models Only) ■  |
| 8           | 89-9832            | 1           | Pcb Assy., 6-Station                 |             | 102-2657           |             | Kit, Service, Surge Board, 24-Station (Export Models Only) ●■ |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Custom Command 12-24 Station - Metal Cabinet



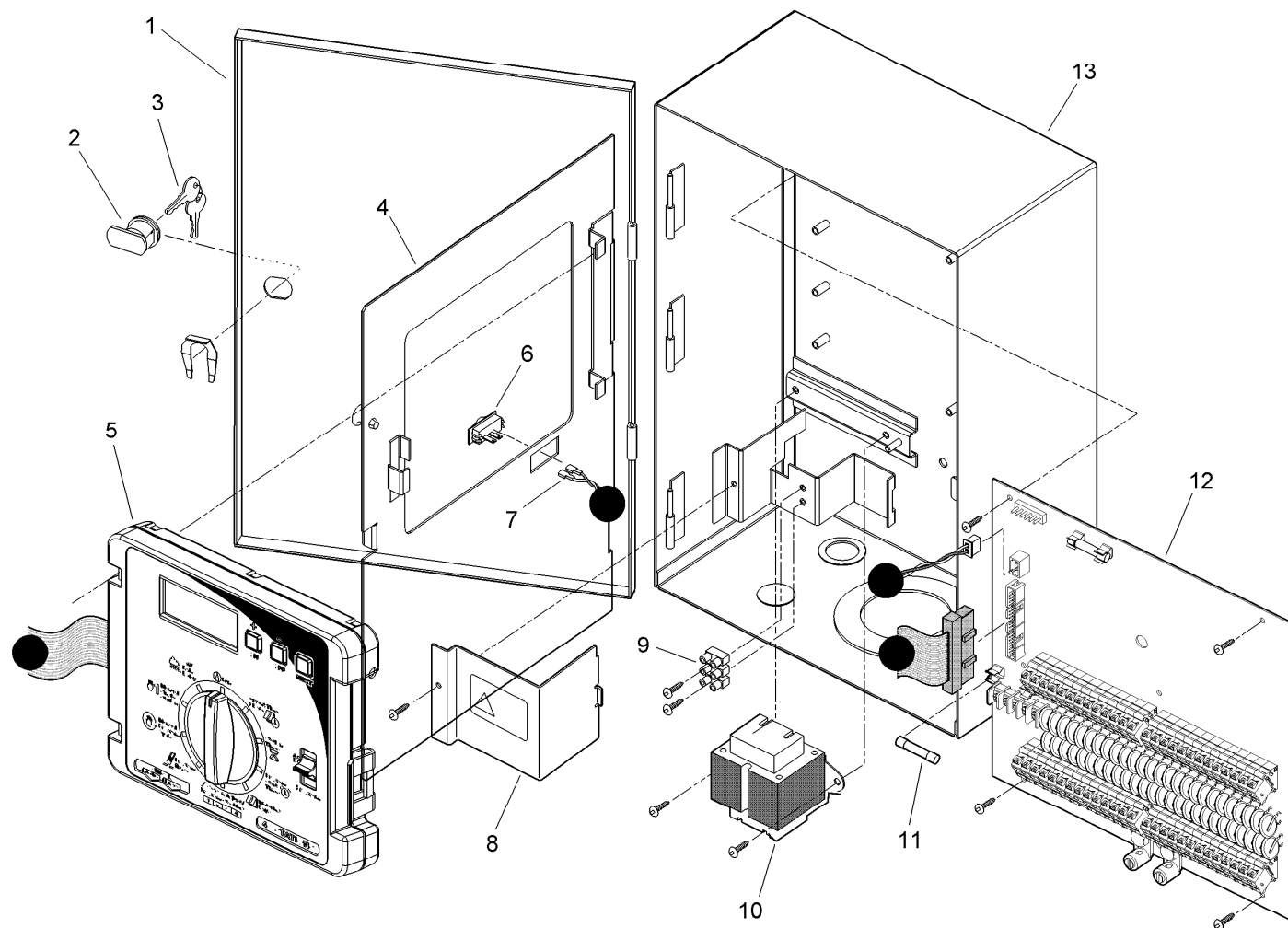
## Custom Command 12-24 Station - Metal Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                |
|-------------|--------------------|-------------|-------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------|
| 1           | 363-3785           | 1           | Lock Assy. W/Keys                   | 10          | 102-7808           | 1           | Timing Mechanism Module, 24-Station                               |
| 2           | 1073302            | 1           | Cable Harness                       | 11          | 615901-H           | 1           | Transformer, 120 V A.C.                                           |
| 3           | 89-9834            | 1           | Surge Board, 12-Station             | 12          | 1080101            | 1           | Case Assy., Metal (120 V A.C. Models Only)                        |
| 3           | 89-9890            | 1           | Surge Board, 15-Station             | 13          | 657401             | 1           | Washer                                                            |
| 3           | 89-9891            | 1           | Surge Board, 18-Station             | 14          | 8619               | 1           | Nut, Conduit, 1/2 Inch                                            |
| 3           | 89-9892            | 1           | Surge Board, 24-Station             | 15          | 102-3406           | 1           | Fuse, 2 Amp , Slow-Blow (10-Pack)                                 |
| 4           |                    |             | Screw ▲                             |             | 102-2656           | 1           | Kit, Service, Surge Board, 12-Station (Export Models Only) ●■     |
| 5           | 1077601            | 1           | Wire Harness                        |             | 102-2657           | 1           | Kit, Service, Surge Board, 24-Station (Export Models Only) ●■     |
| 6           |                    |             | Screw ▲                             |             | R89-9255           |             | Kit, Transformer, 220 V A.C. 50 Hz, 50 Va (Export Models Only) ●■ |
| 7           | 1077501            | 1           | Slide Switch                        |             |                    |             |                                                                   |
| 8           | 89-9175            | 1           | Panel, Mounting                     |             |                    |             |                                                                   |
| 9           | 89-9159            | 1           | Pct Connector To Terminal Board     |             |                    |             |                                                                   |
| 10          | 102-7805           | 1           | Timing Mechanism Module, 12-Station |             |                    |             |                                                                   |
| 10          | 102-7806           | 1           | Timing Mechanism Module, 15-Station |             |                    |             |                                                                   |
| 10          | 102-7807           | 1           | Timing Mechanism Module, 18-Station |             |                    |             |                                                                   |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Custom Command 36 and 48 Stn - Metal Cabinet

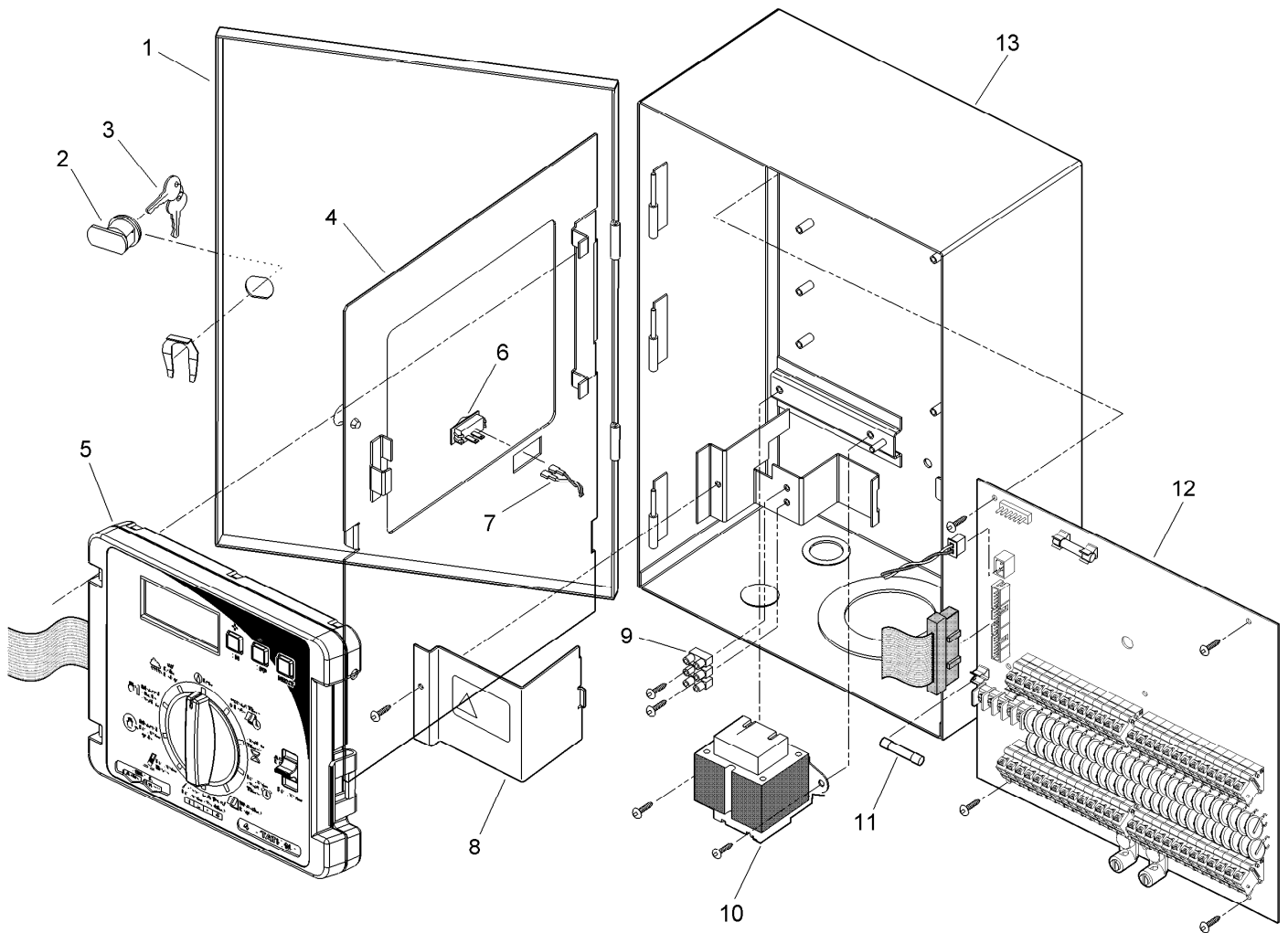


## Custom Command 36 and 48 Stn - Metal Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                              |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------|
| 1           | 102-3527           | 1           | Cover, Outer Door (Includes Items 2 & 3) | 9           |                    | 1           | Terminal Block, 3-Position ●                                    |
| 2           | 102-3529           | 1           | Lockset (Includes Item 3)                | 10          | 102-3534           | 1           | Transformer, 120 V A.C., 60 Hz (Domestic Model)                 |
| 3           | 360-0565           | 1           | Keys, 2 With Ring                        | 10          | R89-9255           | 1           | Kit, Transformer, 220 V A.C. 50 Hz, 50 Va (International Model) |
| 4           | 102-3528           | 1           | Cover, Inner Door                        | 11          | 102-3406           | 2           | Fuse, 2 Amp , Slow-Blow (10-Pack)                               |
| 5           | 102-3530           | 1           | Timing Mechanism Module, 36-Station      | 12          | 102-3532           | 1           | Output Board, 36-Station                                        |
| 5           | 102-3531           | 1           | Timing Mechanism Module, 48-Station      | 12          | 102-3533           | 1           | Output Board, 48-Station                                        |
| 6           | 1077501            | 1           | Slide Switch                             | 13          | 102-3537           | 1           | Rear Case (Includes Items 7 & 8)                                |
| 7           | 1077601            | 1           | Wire Harness                             |             |                    |             |                                                                 |
| 8           | 102-3535           | 1           | Cover, Power Supply                      |             |                    |             |                                                                 |

● Not serviced separately

# Custom Command 48 Station



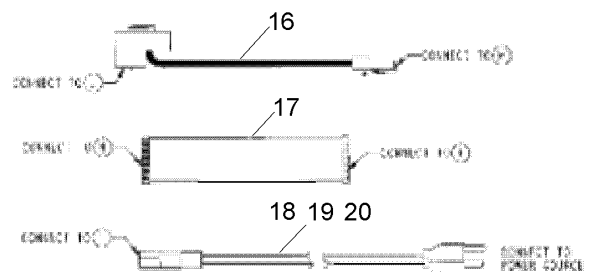
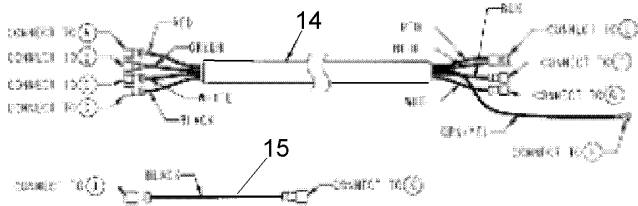
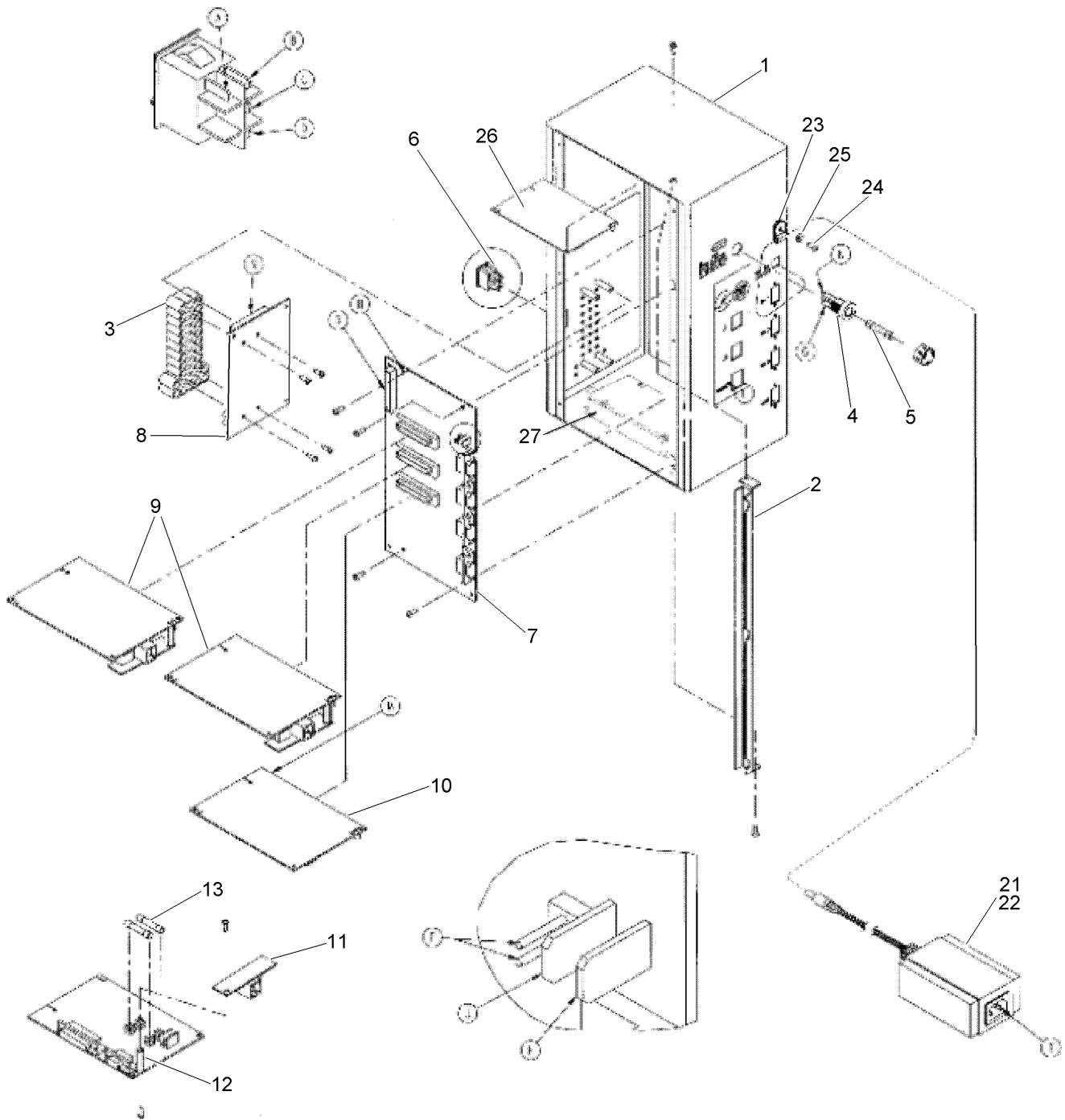


## Custom Command 48 Station (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                   |
|-------------|--------------------|-------------|--------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------|
| 1           | 102-3527           | 1           | Cover, Outer Door (Includes Items 2 And 3) | 9           |                    | 1           | Terminal Block, 3-Position ●                         |
| 2           | 102-3529           | 1           | Lockset (Includes Item 3)                  | 10          | 102-3534           | 1           | Transformer, 120 V A.C., 60 Hz (Domestic Model)      |
| 3           | 360-0565           | 1           | Keys, 2 W/Ring                             | 10          | R89-9255           | 1           | Transformer, 220 V A.C., 50 Hz (International Model) |
| 4           | 102-3528           | 1           | Cover, Inner Door                          | 11          | 102-3406           | 2           | Fuse, 2 Amp, 250V, Slow-Blow (10-Pack)               |
| 5           | 102-3531           | 1           | Timing Mechanism Module, 48-Station        | 12          | 102-3533           | 1           | Output Board, 48-Station                             |
| 6           | 1077501            | 1           | Slide Switch                               | 13          | 102-3537           | 1           | Rear Case (Includes Items 7 And 8)                   |
| 7           | 1077601            | 1           | Cable Assembly                             |             |                    |             |                                                      |
| 8           | 102-3535           | 1           | Cover, Power Supply                        |             |                    |             |                                                      |

● Not serviced separately

# SitePro Field Interface Unit (FIU)



# SitePro Field Interface Unit (FIU) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                              |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------------------------|
| 1           |                    | 1           | Housing, Snx, Fiu ▲                                                           | 23          | 1-7204             | 1           | Clamp, Electric                                                                 |
| 2           | 102-0867           | 1           | Fiu Bracket ●                                                                 | 24          | 4-1063             | 1           | Screw, Tap, #6                                                                  |
| 3           | 102-0872           | 1           | Front Plate, LED Display ●                                                    | 25          | 1-3086             | 1           | Washer, Flat, #6, Brass                                                         |
| 4           | 360-0750           | 1           | Holder, Fuse                                                                  | 26          | 2011R              | 1           | Communication Radio Assembly, 1-Wireline                                        |
| 5           | 360-0749           | 1           | Fuse, 1.5 Amp (10-Pack)                                                       | 26          | 2012R              | 1           | Communication Radio Assembly, 2-Wireline                                        |
| 6           | 102-0873           | 1           | Rocker Switch, Power ●                                                        | 27          | 102-3125           |             | Radio Adaptor Board                                                             |
| 7           |                    | 1           | Pcb Assy., Serial, Back Plane (See Service Items 102-0869 Through 102-0871) ▲ |             | 102-1201           |             | Kit, Service, Cable, Sitepro, Fiu (9-Pin Male To 25-Pin Female Serial Cable) ●■ |
| 8           | 102-0872           | 1           | Pcb Assy., LED ●                                                              |             | 102-3819           |             | Fuse, 3/4 Amp (Includes Item 13) (10-Pack) ●■                                   |
| 9           | 102-0864           | 2           | Pcb Assembly, Standard Modem (Includes Items 11, 12 & 13) ●                   |             | 102-0868           |             | 1.5 Amp Fuse Assy. (Includes 1 Each Of Items 4 & 5) ●■                          |
| 10          | 102-0866           | 1           | Universal Modem (Includes Item 16) ●                                          |             | 102-0869           |             | Pcb Assy. (Fiu-2010), Serial Back Plane (Includes Item 7) ●■                    |
| 11          |                    | 2           | Phone Jack Adapter, Standard Modem (See Item 9) ▲                             |             | 102-0870           |             | Pcb Assy. (Fiu-2020 And Fiu-2011), Serial Back Plane (Includes Item 7) ●■       |
| 12          |                    | 2           | Spacer, #6-32 X 15/16" (See Item 9) ▲                                         |             | 102-0871           |             | Pcb Assy. (Fiu-2021), Serial Back Plane (Includes Item 7) ●■                    |
| 13          | 102-3819           | 4           | Fuse, 0.75 Amp (10-Pack) ●                                                    |             | 102-0397           |             | Fiu Sensor Kit ●◆■                                                              |
| 14          | 102-0875           | 1           | Cable, Fiu Power Switch ●                                                     |             | 102-0767           |             | Fiu Additional Surge Protection Kit ●◆■                                         |
| 15          | 102-0874           | 1           | Wire Assy., Black ●                                                           |             | 89-9116            |             | Fiu Wireline Path Upgrade Kit ●◆■                                               |
| 16          |                    | 1           | Cable Assy., Universal Modem (See Item 10) ▲                                  |             | 89-9117            |             | Fiu Radio-Link Accessory Kit ●◆■                                                |
| 17          | 102-0876           | 1           | Cable Assy., 30-Pin Female Connectors ●                                       |             |                    |             |                                                                                 |
| 18          | 102-0877           | 1           | Power Cord, U.S./Canada ●                                                     |             |                    |             |                                                                                 |
| 19          | 102-0879           | 1           | Power Cord, Europe ●                                                          |             |                    |             |                                                                                 |
| 20          | 102-0881           | 1           | Power Cord, English ●                                                         |             |                    |             |                                                                                 |
| 21          | 102-0878           | 1           | Transformer, 12V D.C., 1.5A ●                                                 |             |                    |             |                                                                                 |
| 22          | 102-0882           | 1           | Transformer, Australian, 12V D.C., 1.5A ●                                     |             |                    |             |                                                                                 |

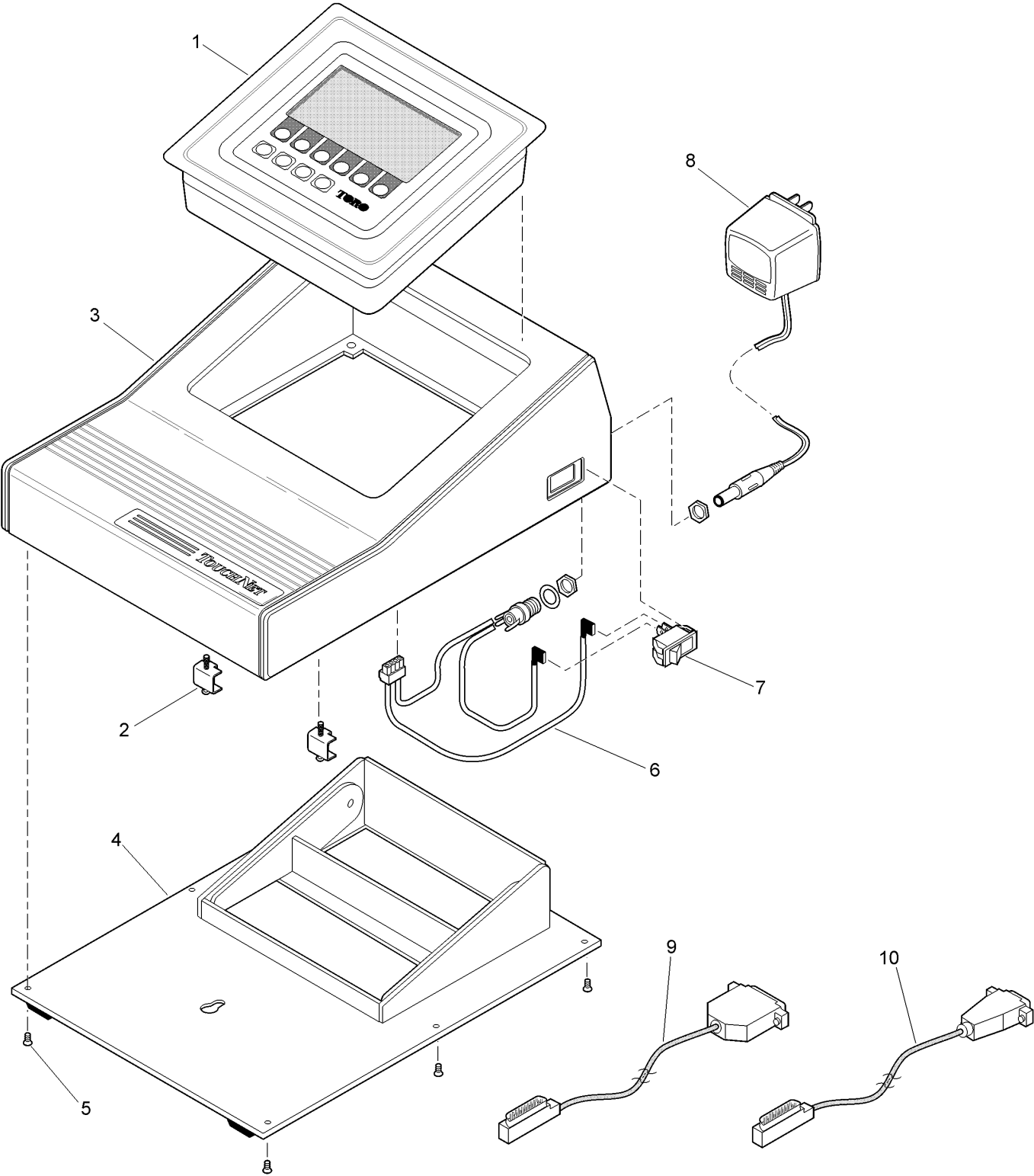
● SERVICE ITEMS

▲ Not serviced separately

◆ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# TouchNet For OSMAC



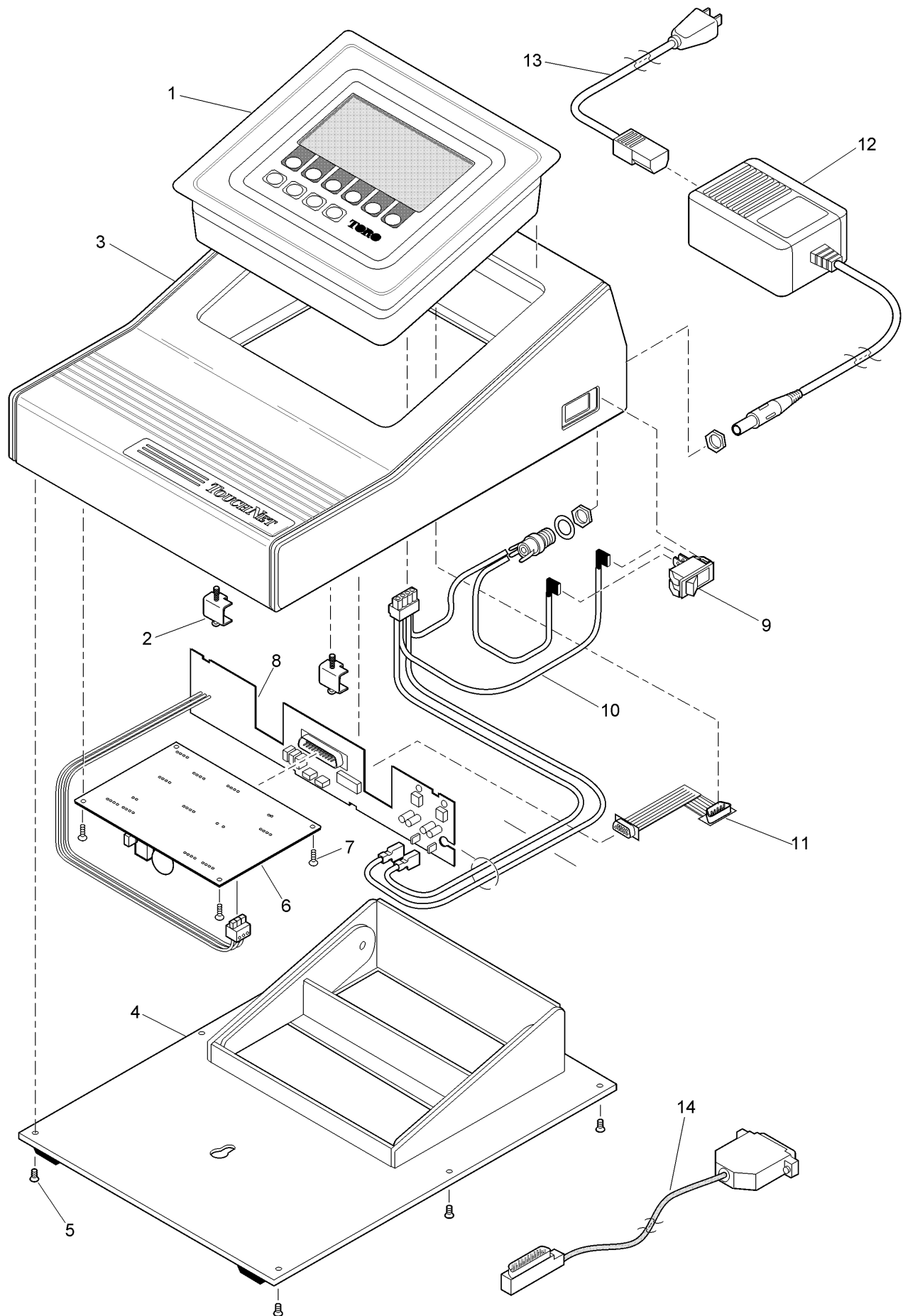
## TouchNet For OSMAC (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                               |
|-------------|--------------------|-------------|--------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------------|
| 1           | 89-8260            | 1           | Data Panel, Touch Net ●                    | 9           | 363-3537           | 1           | Connection Cable Assembly<br>(Use With Motorola People<br>Finder)                |
| 2           | 363-3549           | 6           | Clamp                                      | 9           | 89-9065            | 1           | Connection Cable Assembly<br>(Use With Handheld Remote<br>Interface)             |
| 3           | 89-8357            | 1           | Housing Assembly (Includes<br>Item 3-5)    | 10          | 102-0573           | 1           | Connection Cable Assembly<br>(Use With Toro Wide Or<br>Narrow Band Base Station) |
| 4           |                    | 1           | Base, Housing ■                            |             |                    |             |                                                                                  |
| 5           |                    | 6           | Screw, Housing Base ■                      |             |                    |             |                                                                                  |
| 6           | 89-8257            | 1           | Wiring Harness Assembly                    |             |                    |             |                                                                                  |
| 7           | 363-3531           | 1           | Switch, Rocker                             |             |                    |             |                                                                                  |
| 8           | 363-3535           | 1           | Transformer Assembly, 120<br>V A.C., 60 Hz |             |                    |             |                                                                                  |

● Available from NSN

■ Not serviced separately

# Touch Net For Network LTC Plus Satellite



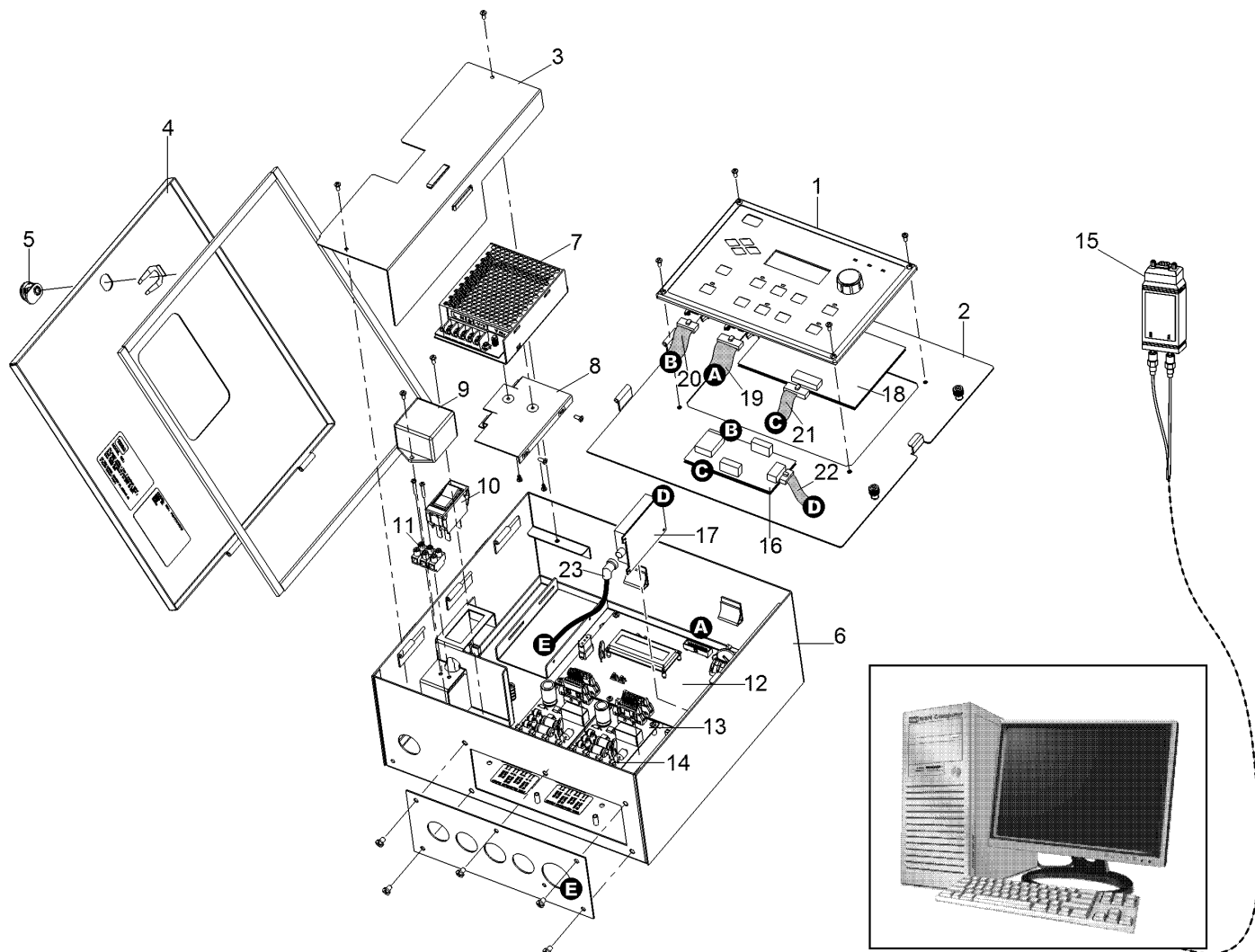
## Touch Net For Network LTC Plus Satellite (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                             |
|-------------|--------------------|-------------|-----------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------|
| 1           | 89-8791            | 1           | Data Panel, Touch Net ●                 | 9           | 363-3531           | 1           | Switch, Rocker                                                 |
| 2           | 363-3549           | 6           | Clamp                                   | 10          |                    | 1           | Wire Harness Assy. ■                                           |
| 3           | 89-8357            | 1           | Housing Assembly (Includes Items 4 & 5) | 11          | 89-8534            | 1           | Ribbon Cable Assy., Interface                                  |
| 4           |                    | 1           | Base, Housing ■                         | 12          | 102-0878           | 1           | Transformer, 12V D.C., 1.5 Amp                                 |
| 5           |                    | 6           | Screw, Mach, 4-40, Flt, Csk ■           | 13          | 102-0877           | 1           | Power Cord, U.S./Canada                                        |
| 6           | 102-0864           | 1           | Pcb Assembly, Standard Modem            | 14          | 89-9065            | 1           | Connection Cable Assembly (Use With Handheld Remote Interface) |
| 7           | 363-1355           | 4           | Screw, Tap, #6                          |             |                    |             |                                                                |
| 8           |                    | 1           | Pcb Assy., Dtp-To-Modem ■               |             |                    |             |                                                                |

● Available from NSN

■ Not serviced separately

# GDC - Stand-Alone, PC Models, 2-Wire Decoder Sys

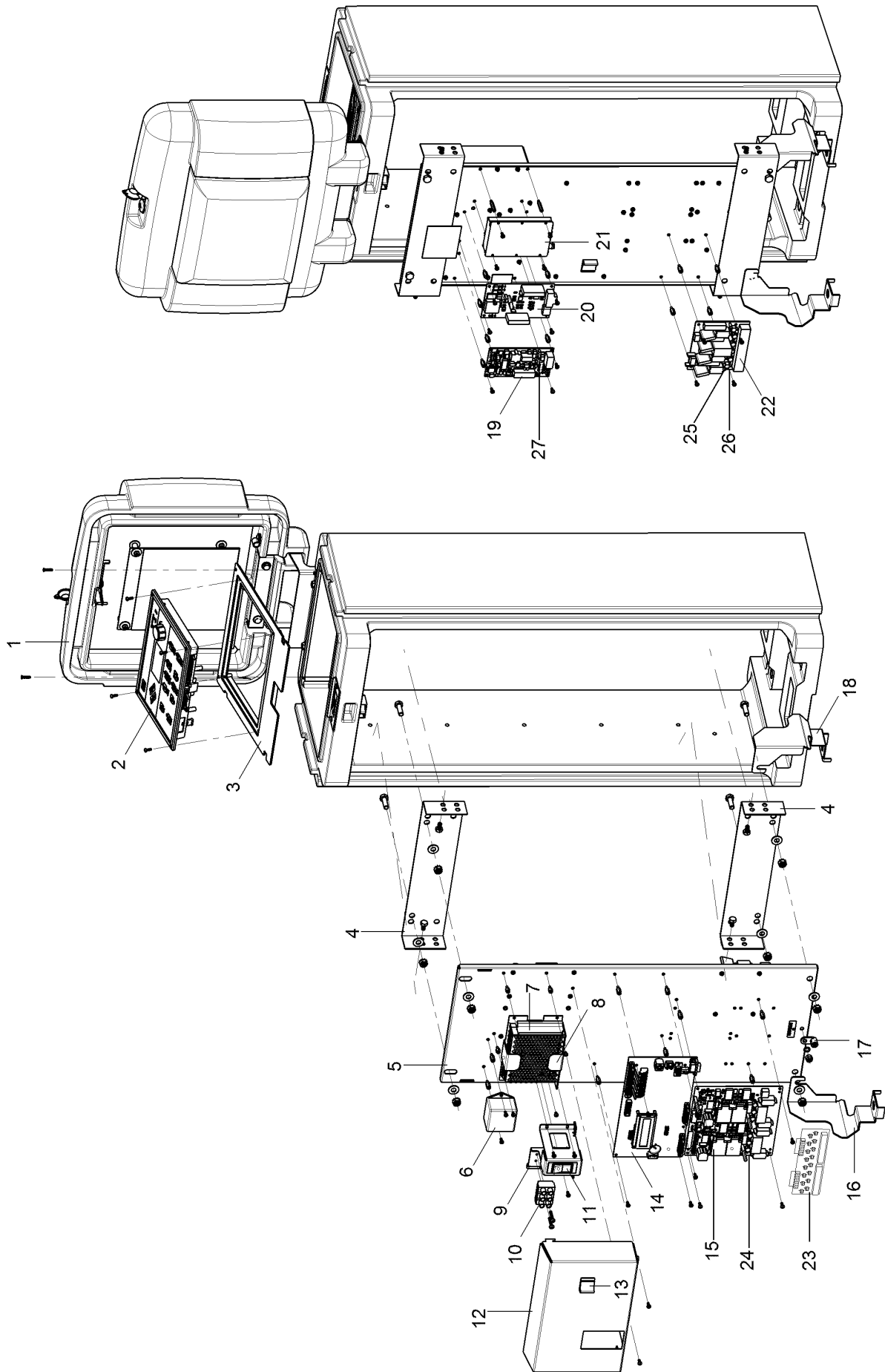




## GDC - Stand-Alone, PC Models, 2-Wire Decoder Sys (continued)

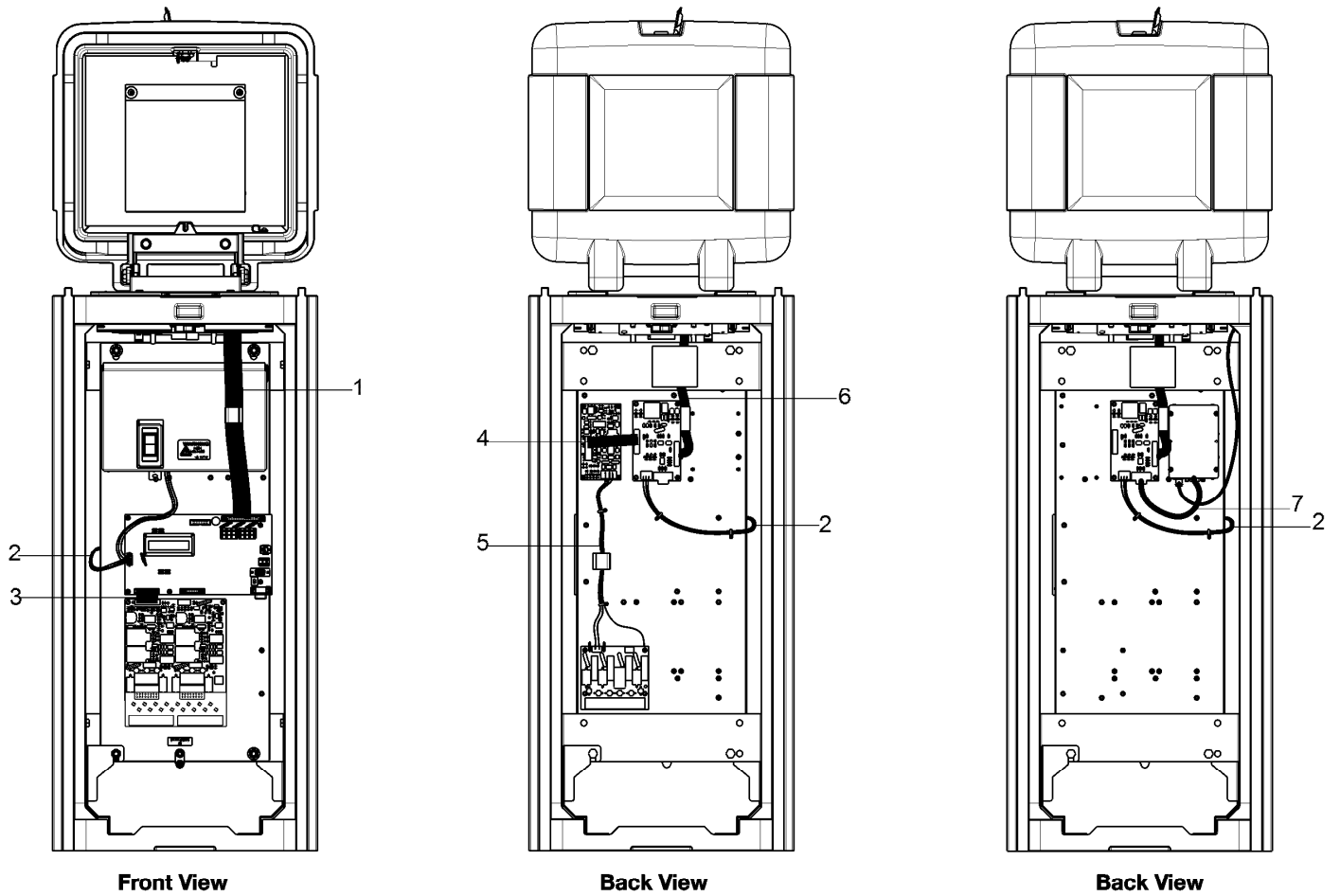
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                     |
|-------------|--------------------|-------------|----------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------|
| 1           | 102-5918SK         | 1           | Timing Mechanism Assy., Gateway (Stand-Alone)      | 13          | 118-2749SK         | 1           | Pcb Assy., Gateway Daughterboard                       |
| 1           | 118-4728SK         | 1           | Timing Mechanism Assy., Gateway (Remote)           | 13          | 118-4718SK         | 1           | Daughterboard Assembly, AC Decoder                     |
| 2           | 102-5049           | 1           | Panel, Gateway, Decoder (Stand-Alone Models Only)  | 13          | 118-7097SK         | 1           | Daughterboard, Lynx Smart Hub, Oct 2020 And Later      |
| 2           | 118-3736           | 1           | Panel, Gateway, Downloadable/Remote                | 14          | 363-8506           | 8           | Fuse, 5 X 20Mm, Fast, 3.15A, 250V                      |
| 3           | 118-0496           | 1           | Power Supply Cover, Gateway, Decoder               | 14          | 363-1020           | 8           | Fuse, 2A, Mini Blade, Oct 2020 And Later               |
| 4           | 102-5048SK         | 1           | Door, Gateway Decoder                              | 15          | 102-6461           | 1           | Fiber Optic Converter Kit, Gateway To Central Computer |
| 5           | 363-3785           | 1           | Lock Assy. W/Keys                                  | 16          | 118-3101SK         | 1           | Digital Radio Interface Board, Gateway                 |
| 6           | 118-0880           | 1           | Cabinet, Gateway Decoder                           | 17          | 118-3442SK         | 1           | Radio Module, Transceiver, Rv-M7-UC                    |
| 7           | 118-0540           | 1           | Power Supply, AC/DC, Gateway, Decoder              | 18          | 89-9026            | 1           | Standard Modem, Svc.                                   |
| 8           | 118-0475           | 1           | Power Supply Bracket, Upper                        | 19          | 102-9176           | 1           | Cable, 40-Pos (A To A)                                 |
| 9           | 102-9741           | 1           | Ttf, Filter Assembly                               | 20          | 118-3329           | 1           | Cable, Int Bd To Tm (B To B)                           |
| 10          | 363-3361           | 1           | Switch, Circuit Breaker, 1.5A                      | 21          | 118-3330           | 1           | Cable, Int Bd To Modem (C To C)                        |
| 11          | 102-4766SK         | 1           | Wire Harness, Terminal Block To Switch             | 22          | 118-3103           | 1           | Harness, Db9 (D To D)                                  |
| 12          | 118-2750SK         | 1           | Motherboard Assembly With Tricomm, Gateway Decoder | 23          | 118-3104           | 1           | Cable, Bnc To Bnc, Radio (E To E)                      |
| 12          | 118-4717SK         | 1           | Motherboard Assembly, Gateway, AC Decoder          |             |                    |             |                                                        |
| 12          | 118-7096SK         | 1           | Motherboard, Lynx Smart Hub, Oct 2020 And Later    |             |                    |             |                                                        |

# Lynx Smart Hub Parts Breakout



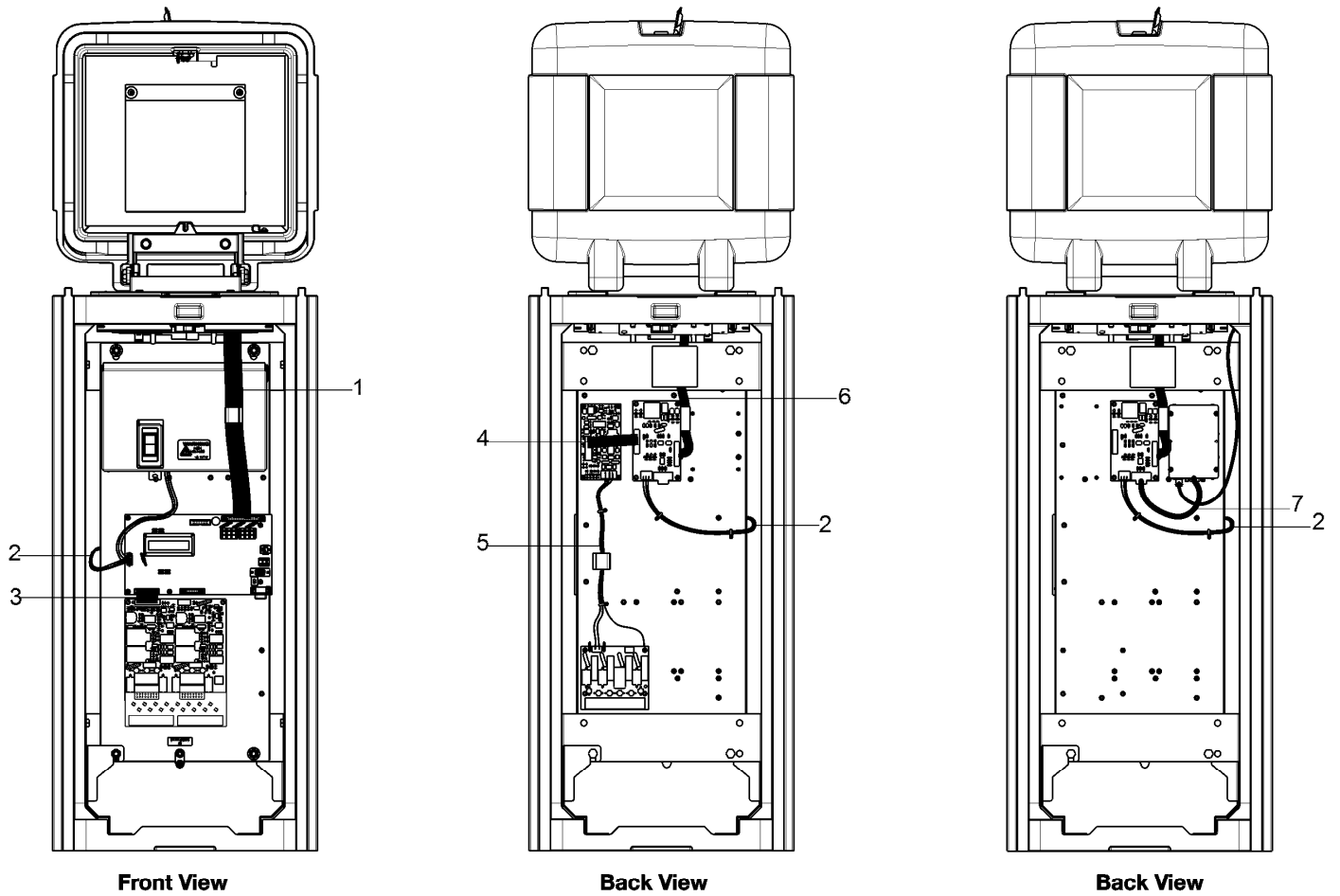
## Lynx Smart Hub Parts Breakout (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                  |
|-------------|--------------------|-------------|----------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------|
| 1           | 118-0828           | 1           | Plastic Pedestal, Short, Green, Assembly           | 14          | 118-7096SK         | 1           | Motherboard, Lynx Smart Hub, Oct 2020 And Later     |
| 1           | 118-0829           | 1           | Plastic Pedestal, Short, Tree Bark, Assembly       | 15          | 118-4718SK         | 1           | Daughterboard Assembly, AC Decoder                  |
| 1           | 118-0830           | 1           | Plastic Pedestal, Short, Desert Sand, Assembly     | 15          | 118-2749SK         | 2           | Daughterboard Assembly, DC Decoder                  |
| 2           | 118-4728SK         | 1           | Timing Mechanism Assy., Gateway (Remote)           | 15          | 118-7097SK         | 1           | Daughterboard, Lynx Smart Hub, Oct 2020 And Later   |
| 3           | 103-5373           | 1           | Plate, Face, Tm W/ Radio                           | 16          | 102-3073           | 1           | Foot Support Bracket                                |
| 4           | 118-1015           | 2           | Bracket                                            | 17          | 363-8639           | 1           | Ground Lug                                          |
| 5           | 118-4624           | 1           | Backplate, Pedestal, Gateway                       | 18          | 102-3072           | 1           | Foot Mount Bracket                                  |
| 6           | 102-9741           | 1           | Ttf, Filter Assembly                               | 19          | 118-3705SK         | 1           | Modem, Wireline, Pcb                                |
| 7           | 118-0540           | 1           | Power Supply, AC/DC, Gateway, Decoder              | 20          | 118-3101SK         | 1           | Radio Interface Board, Raveon, Pcb                  |
| 8           | 118-5209           | 1           | Mounting Plate, Power Supply                       | 21          | 118-3442SK         | 1           | Radio Module, Transceiver, Rv-M7-UC                 |
| 9           | 118-4622           | 1           | Mount, Switch, Pedestal                            | 22          | 102-8086SK         | 1           | Pcb Assy. Surge Board                               |
| 10          | 363-3981           | 1           | Terminal Block, 3-Position, 6 Awg                  | 23          | 118-7187           | 1           | Surge Output Board, DC Decoder                      |
| 11          | 363-3361           | 1           | Switch, Circuit Breaker, 1.5A                      | 24          | 363-8506           | 8           | Fuse, 5 X 20Mm, Fast, 3.15A, 250V, DC Daughterboard |
| 12          | 118-4623           | 1           | Cover, Power Supply, Pedestal                      | 25          | 363-8337           | 3           | Fuse, 3Ag, 0.5A, 250V                               |
| 13          | 363-2321           | 2           | Clamp, Cable Flat                                  | 26          | 363-8336           | 1           | Fuse, 3Ag, 8.0A, 250V                               |
| 14          | 118-2750SK         | 1           | Motherboard Assembly With Tricomm, Gateway Decoder | 27          | 363-3943           | 2           | Fuse, Auto, 1.0A, 250V                              |
| 14          | 118-4717SK         | 1           | Motherboard Assembly, Gateway, AC Decoder          |             |                    |             |                                                     |



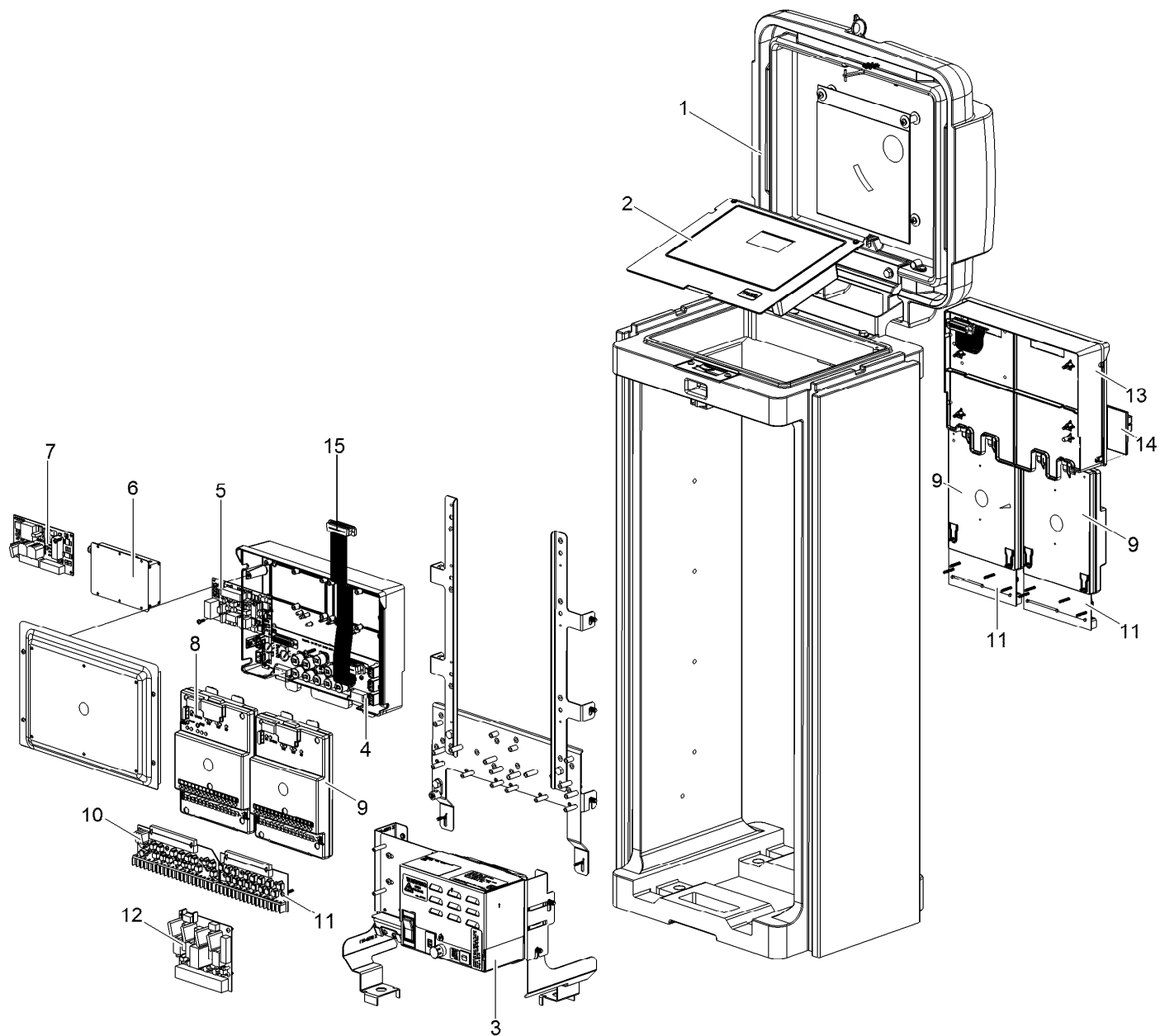
## Lynx Smart Hub - Wires

| Ref. | Part Number | Qty. | Description                                                     |
|------|-------------|------|-----------------------------------------------------------------|
| 1    | 118-4668    | 1    | 40 Position Connector, 30 Cond, Pedestal, Gateway               |
| 2    | 118-4667    | 1    | Power Supply Harness, Pedestal, Gateway                         |
| 3    | 102-4598    | 2    | Ribbon Cable, 16 Cond, F/F                                      |
| 3    | 118-5804    | 1    | Ribbon Cable, 20 Cond., F/F, Lynx Smart Hub, Oct 2020 And Later |
| 4    | 118-4669    | 1    | Interface Board To Modem Cable Assy., Pedestal, Gateway         |
| 5    | 118-4697    | 1    | Wireline Cable Assy., Pedestal, Gateway                         |
| 6    | 118-4670    | 1    | Interface Board To Tm Cable Assy., Pedestal, Gateway            |
| 7    | 118-4671    | 1    | Db9 Harness, Radio, Pedestal, Gateway                           |



## Lynx Smart Hub - Wires (continued)

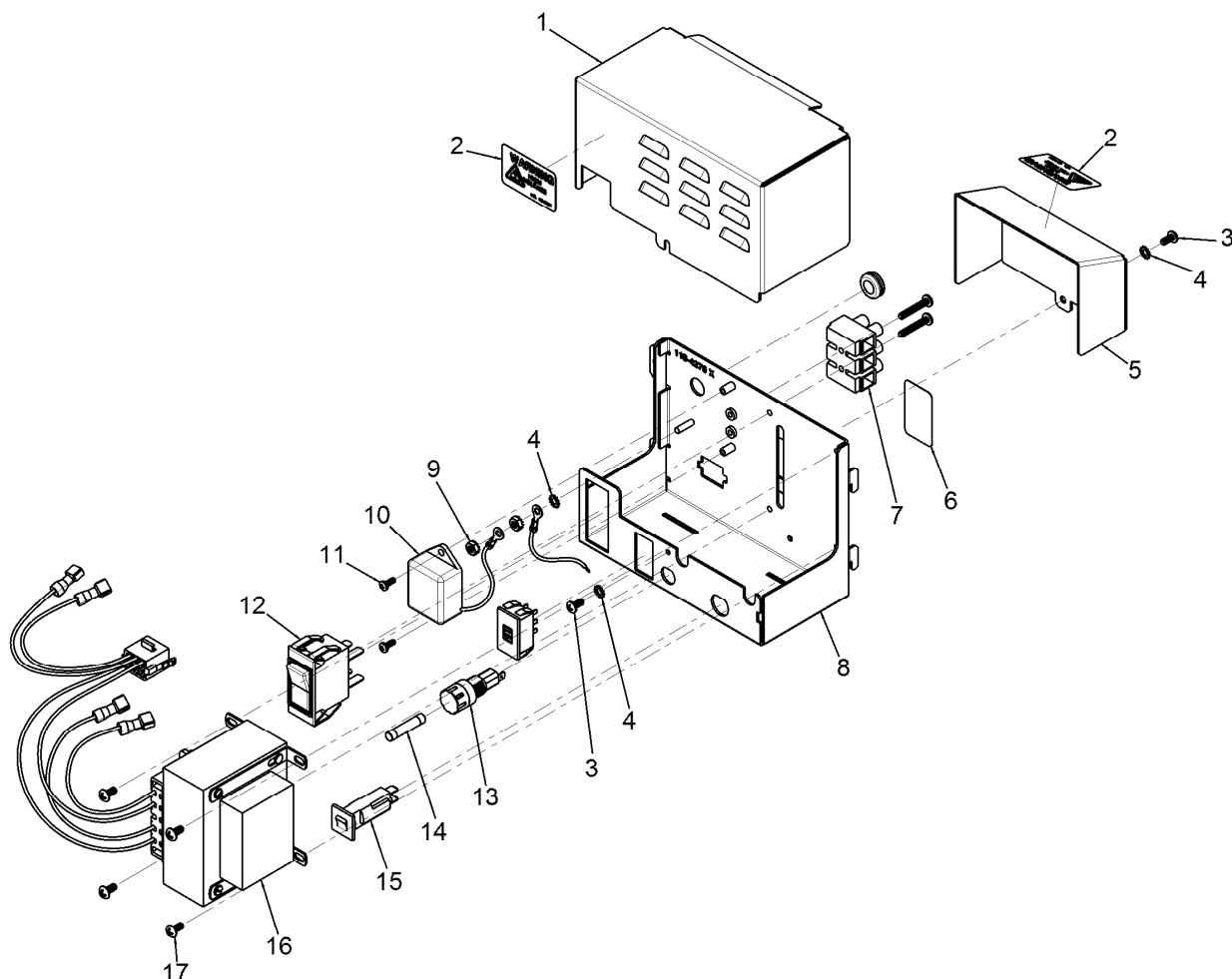
# Lynx Smart Satellite



## Lynx Smart Satellite (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                             |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------|
| 1           | 118-0828           | 1           | Plastic Pedestal, Short, Green, Assembly                                                    |             | 118-4174           | 1           | Cable, Radio Interface To Radio ●                              |
| 1           | 118-0829           | 1           | Plastic Pedestal, Short, Tree Bark, Assembly                                                |             | 118-7177           | 1           | Cable, Radio Interface To Power Board ●                        |
| 1           | 118-0830           | 1           | Plastic Pedestal, Short, Desert Sand, Assembly                                              | 8           | 118-6369SK         | 1           | Pump/Com/Output Module                                         |
| 2           | 118-6363SK         | 1           | Timing Module, Lynx Smart Satellite                                                         | 9           | 118-6370SK         | 3           | Output Module Assembly                                         |
| 3           | 118-6366SK         | 1           | Power Supply Assembly (See Power Supply Section For Individual Component Listing)           | 10          | 118-6035SK         | 1           | Output/Pump Surge Assembly, Level 3                            |
| 4           | 118-3045SK         | 1           | Distribution Board Assembly (Front Panel)                                                   | 10          | 118-6034SK         | 1           | Output/Pump Surge Assembly, Level 4                            |
| 5           | 118-3705SK         | 1           | Modem, Wireline, Pcb, Includes Item 118-7176 (Central Controlled Models Only)               | 11          | 118-6032SK         | 3           | Output Surge Assembly, Level 3                                 |
|             | 118-7176           | 1           | Cable, Modem To Tm ●                                                                        | 11          | 118-3047SK         | 3           | Output Surge Assembly, Level 4                                 |
| 6           | 118-6133SK         | 1           | Radio Module, Transceiver (Radio Models Only)                                               | 12          | 118-4680SK         | 1           | Surge Assembly, Level 3                                        |
| 7           | 118-3339SK         | 1           | Radio Interface Assembly, Include Items 118-4173, 118-4174 And 118-7177 (Radio Models Only) | 12          | 118-1524SK         | 1           | Surge Assembly, Level 4                                        |
|             | 118-4173           | 1           | Cable, Radio Interface To Tm ●                                                              | 13          | 118-4438SK         | 1           | Distribution Panel Assembly, Backside, Includes Item 118-4175  |
|             |                    |             |                                                                                             |             | 118-4175           | 1           | Cable, Front-To-Back, Distribution Board ●                     |
|             |                    |             |                                                                                             | 14          | 118-3128SK         | 1           | Distribution Board, Backside                                   |
|             |                    |             |                                                                                             | 15          | 118-4172           | 1           | Cable, Tm To Power Board                                       |
|             |                    |             |                                                                                             |             | 118-4440SK         | 1           | Smart Satellite Radio Kit (Includes Antenna And Items 6 & 7) ● |

● Not illustrated

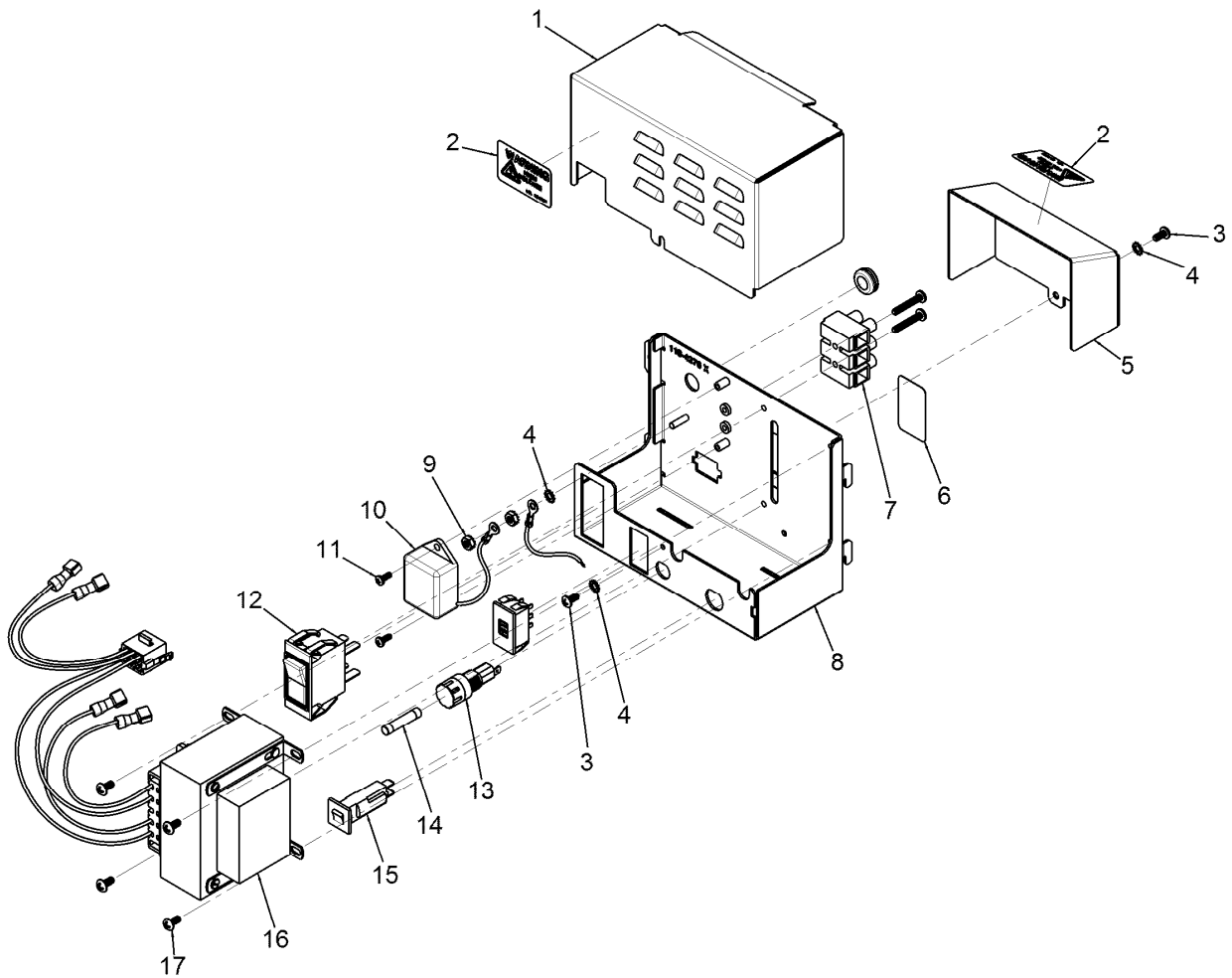


## Lynx Smart Satellite - Power Supply

| Ref. | Part Number | Qty. | Description                           |
|------|-------------|------|---------------------------------------|
| 1    | 118-4269    | 1    | Cover, Power Supply Housing           |
| 2    | 89-0722     | 2    | Label, Warning                        |
| 3    | 360-0498    | 2    | Screw, Machine, 8-32 X 1/4            |
| 4    | 363-6505    | 3    | Lock Washer, #8, Steel                |
| 5    | 118-4268    | 1    | Cover, Power Supply Terminal          |
| 6    | 89-7325     | 1    | Label, Terminal Block                 |
| 7    | 363-3981    | 1    | Terminal Block, 3-Position, 6 Awg     |
| 8    | 118-4270    | 1    | Bottom, Power Supply Housing          |
| 9    | 363-1483    | 2    | Nut-Hex, K Lock                       |
| 10   | 118-0538SK  | 1    | Toro Transient Filter, Ttf            |
| 11   | 363-8690    | 2    | Scr,Mch,6-32X3/8,Phph,Stl,Rohs        |
| 12   | 363-3361    | 1    | Switch, Circuit Breaker, 1.5A         |
| 13   | 360-0750    | 1    | Holder, Fuse                          |
| 14   | 363-2497    | 1    | Fuse, 3.2 Amp                         |
| 15   | 363-5270    | 1    | Circuit Breaker, 4.0A                 |
| 16   | 102-0409    | 1    | Transformer Assembly                  |
| 17   | 3-1453      | 4    | Screw, Machine, 10-32 X 3/8, Phph, SS |
|      | 102-0645    | 1    | Power Supply Assy. ●                  |

● Not illustrated

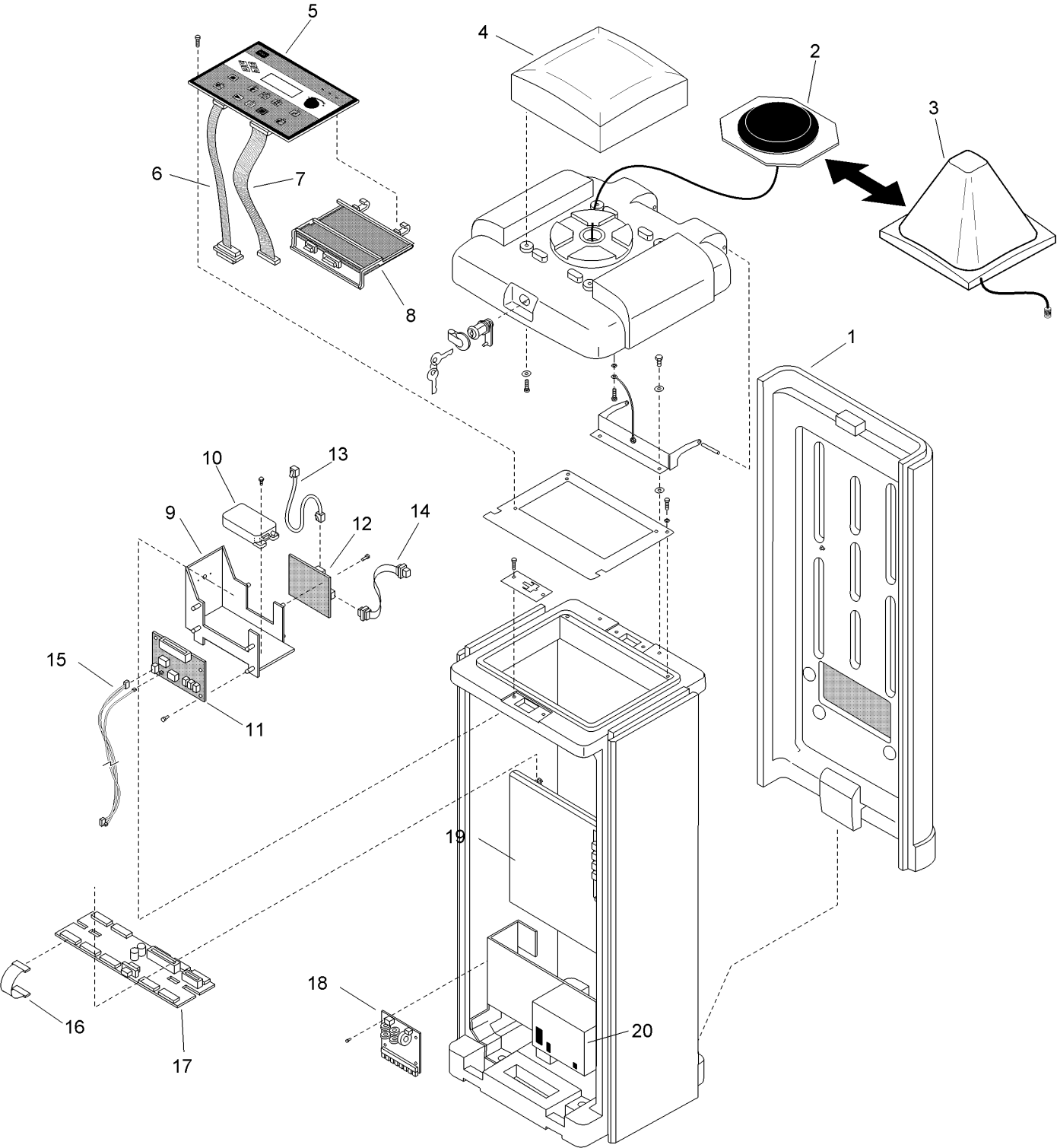




## Lynx Smart Satellite - Power Supply (continued)

● Not illustrated

# Network VP and VPE - Plastic Cabinet



## Network VP and VPE - Plastic Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                            |
|-------------|--------------------|-------------|------------------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------------|
| 1           |                    | 1           | Satellite Plastic Pedestal & Components (See Plastic Cabinet Components Section) ♦ | 12          | 102-3125SK         | 1           | Radio Interface Board ○ ▲                                                     |
| 2           |                    | 1           | Antenna Assy., Plastic Pedestal (See Service Item 102-6808) ♦                      | 13          | 363-3619SK         | 1           | Rj-45 Cable Assy. ○ ▲                                                         |
| 3           |                    | 1           | Dome Antenna Assy., Plastic Pedestal ♦                                             | 14          | 102-3257SK         | 1           | Db-9 Cable Assy. ○ ▲                                                          |
| 4           |                    | 1           | Cover, Satellite Lid (See Plastic Cabinet Components Section) ♦                    | 15          |                    |             | Cable Assy., Modem To Surge Board ♦ ▲                                         |
| 5           | 102-3497SK         | 1           | Timing Mechanism (Tm), Vp Satellite                                                | 16          | 102-0670           |             | Ribbon Cable, Distribution To Output, 4" Length □                             |
| 5           | 102-9738SK         | 1           | Timing Mechanism, Vpe Satellite                                                    | 17          | 102-2782SK         | 1           | Distribution Board                                                            |
| 6           | 102-4573SK         | 1           | Cable Assy., Tm To Modem                                                           | 17          | 102-9124SK         | 1           | Ltc+ To Vp Conversion Kit                                                     |
| 7           | 102-3030SK         | 1           | Cable Assy., Tm To Distribution, 12"                                               | 18          | 102-8086SK         | 1           | Pcb Assy. Surge Board □                                                       |
| 8           | 89-9026            | 1           | Standard Modem, Svc.                                                               | 19          |                    |             | Vp And Vpe Internal Components (See Vp And Vpe Internal Components Section) ♦ |
| 9           |                    | 1           | Bracket, Radio Assy. ♦ ▲                                                           | 20          |                    | 1           | Power Supply Assy. (See Power Supply Assy. Section) ♦                         |
| 10          | 363-4638SK         | 1           | Maxon Radio ▲                                                                      |             | 363-4185SK         |             | Battery, Vp Back-Up, Service ● ■                                              |
| 11          | 89-7701            | 1           | Modem Assy., Universal, Service ○ ▲                                                |             | 89-9044            |             | Cable Assy. Svc., Surge To Modem & Surge To Terminal Block ● ■                |
|             |                    |             |                                                                                    |             | 102-6808           |             | Kit, Service, Antenna Assy., Plastic Pedestal ● ■                             |

● SERVICE ITEMS

▲ UHF Models Only

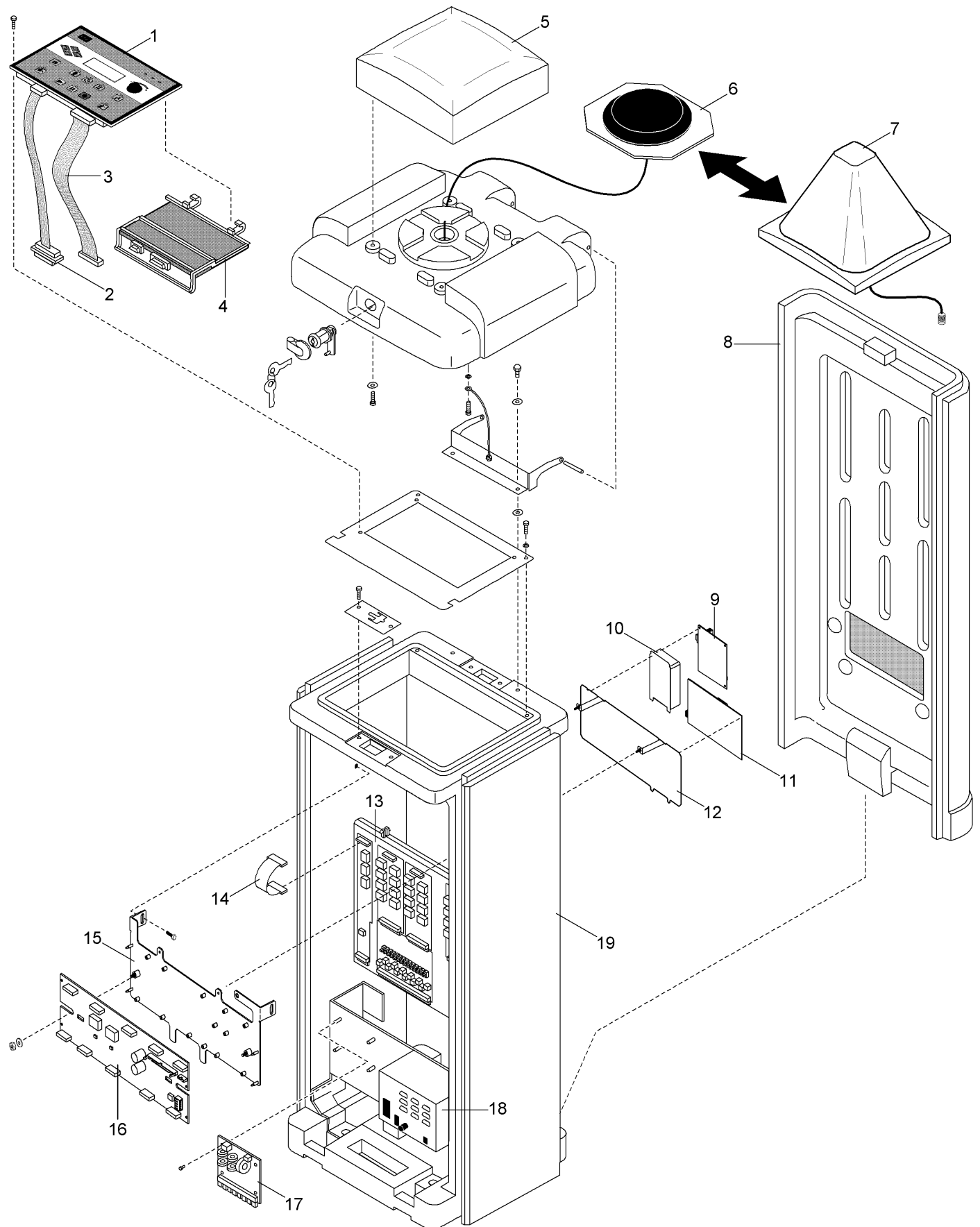
□ Quantity Varies With Model

○ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

♦ Not serviced separately

# Network VP and VPe - 2013 and Later

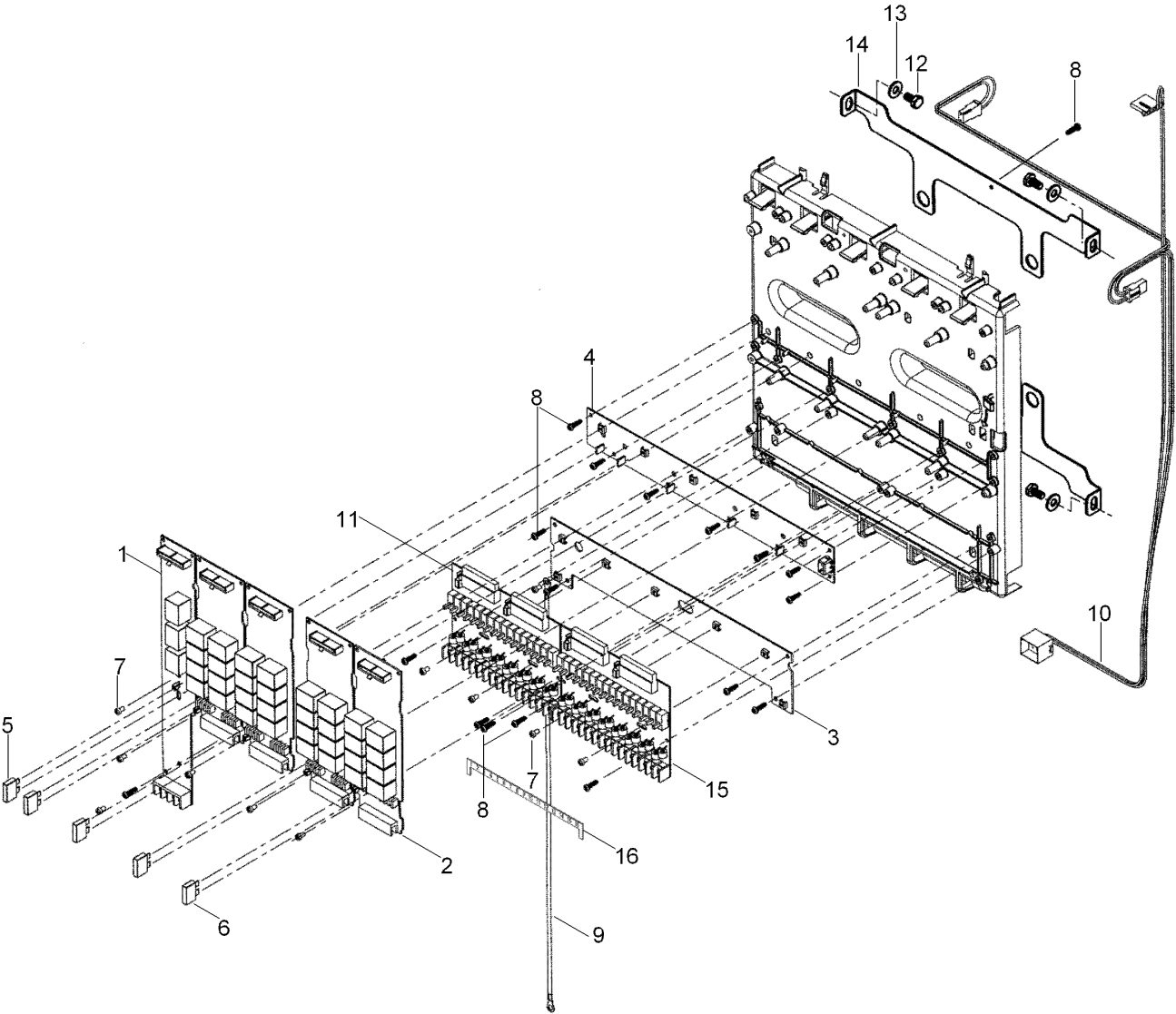


## Network VP and VPe - 2013 and Later (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                           |
|-------------|--------------------|-------------|--------------------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------------------------------------------|
| 1           | 102-3497SK         | 1           | Timing Mechanism (Tm), Vp Satellite                                                                          | 12          | 118-1938SK         | 1           | Bracket, Radio, Vertical                                                                                     |
| 2           | 102-4573SK         | 1           | Cable Assy., Tm To Modem                                                                                     | 13          |                    | 1           | Vp Internal Components (See Vp Internal Components Section) ●                                                |
| 3           | 102-3030SK         | 1           | Cable Assy., Tm To Distribution, 12"                                                                         | 14          | 102-0670           | 5           | Ribbon Cable, Distribution To Output, 4" Length                                                              |
| 4           | 89-9026            | 1           | Standard Modem, Svc.                                                                                         | 14          | 118-2736           | 5           | Ribbon Cable, Distribution To Output, 12" Length                                                             |
| 4           | 364-1003           | 1           | Cable Assy., Tm To Distribution, 18"                                                                         | 15          | 118-1937SK         | 1           | Bracket, Power Distribution Board, Vertical                                                                  |
| 5           |                    | 1           | Cover, Satellite Lid (See Golf Controller Plastic Pedestal Cabinet Components Section) ●                     | 16          | 118-2737SK         | 1           | Power Distribution Board, Straight Connectors                                                                |
| 6           | 102-6808           | 1           | Kit, Service, Antenna Assy., Plastic Pedestal                                                                | 17          | 102-8086SK         | 1           | Pcb Assy. Surge Board                                                                                        |
| 7           |                    | 1           | Dome Antenna Assy., Plastic Pedestal ●                                                                       | 18          |                    | 1           | Power Supply Assy. (See Power Supply Assembly Section) ●                                                     |
| 8           |                    | 1           | Satellite Plastic Pedestal & Components (See Golf Controller, Plastic Pedestal Cabinet Components Section) ● | 19          |                    | 1           | Satellite Plastic Pedestal & Components (See Golf Controller, Plastic Pedestal Cabinet Components Section) ● |
| 9           | 102-3125SK         | 1           | Radio Interface Board                                                                                        |             |                    |             |                                                                                                              |
| 10          | 363-4638SK         | 1           | Maxon Radio                                                                                                  |             |                    |             |                                                                                                              |
| 11          | 89-7701            | 1           | Modem Assy., Universal, Service                                                                              |             |                    |             |                                                                                                              |

● Not serviced separately

# Network VP and VPE - Internal Components



## Network VP and VPE - Internal Components (continued)

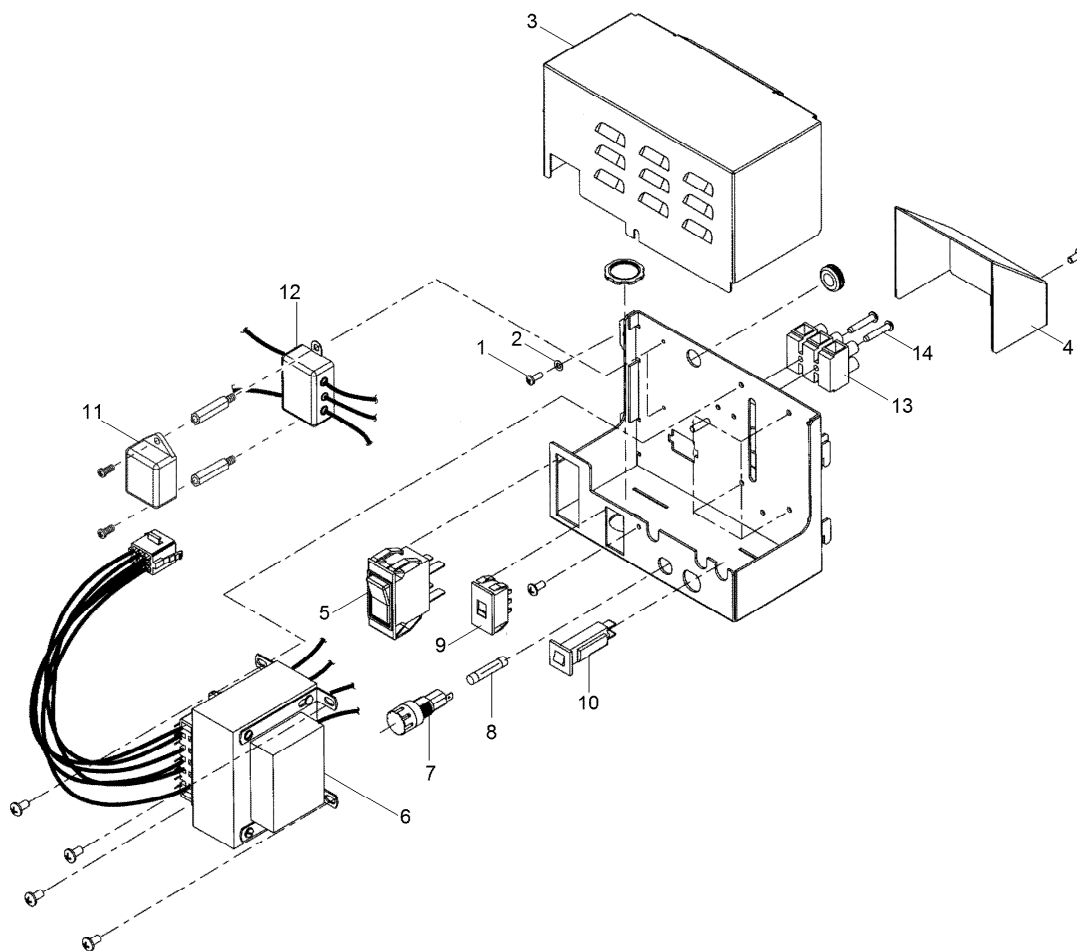
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                     |
|-------------|--------------------|-------------|-----------------------------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------|
| 1           | 102-3015SK         | 1           | Pump/Common Module Assy. (Includes Items 5, 7 And 102-0670 Ribbon Cable) ▲◆       | 11          | 102-0639           |             | 16-Station Module Assy. (M1 Surge Upgrade) (Includes Items 7 And 8) ▲◆ |
| 2           | 102-0654           |             | Output Module Assy., 8-Station (Includes Items 6, 7 And 102-0670 Ribbon Cable) ▲◆ | 11          | 102-0640           |             | 16-Station Module Assy. (M2 Surge Upgrade) (Includes Items 7 And 8) ▲◆ |
| 3           | 102-0652           | 1           | Ground Bus Bar Pcb Assy., Service (Includes Item 8)                               | 11          | 102-0641           |             | 16-Station Module Assy. (M3 Surge Upgrade) (Includes Items 7 And 8) ▲◆ |
| 4           | 102-0653           | 1           | 24 Vac Bus Bar Pcb Assy., Service (Includes Item 8)                               | 11          | 102-0642           |             | 16-Station Module Assy. (M4 Surge Upgrade) (Includes Items 7 And 8) ▲◆ |
| 5           | 102-0658           | 1           | Fuse, 1.0 Amp, Fast-Blow, Service (5-Pack)                                        | 12          | 360-0595           | 4           | Screw, Machine, 1/4-20 X 1/2"                                          |
| 6           | 102-0657           | 4           | Fuse, 3.0 Amp, Fast-Blow, Service (5-Pack)                                        | 13          | 360-0140           | 4           | Washer-Flat                                                            |
| 7           | 102-0671           | 11          | Screw, Machine, 6-32 X 1/4"                                                       | 14          |                    | 2           | Bracket, Mount Backplate ■                                             |
| 8           | 363-1355           | 20          | Screw, Tap, #6                                                                    | 15          | 102-4586           |             | Plastic Cover, Switches ▲                                              |
| 9           | 102-0685           | 1           | Wire Harness Assy., Grounding                                                     | 16          | 102-5940SK         |             | Kit, Station Labels, Numbered, Plastic ▲                               |
| 10          | 102-0686           | 1           | Wire Harness Assy., Power Supply                                                  |             |                    |             |                                                                        |
| N/I         | 102-0638           |             | 8-Station Terminal Block (M0 Surge Level) ▲◆●                                     |             |                    |             |                                                                        |

● Not illustrated

▲ Quantity Varies With Model

◆ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately



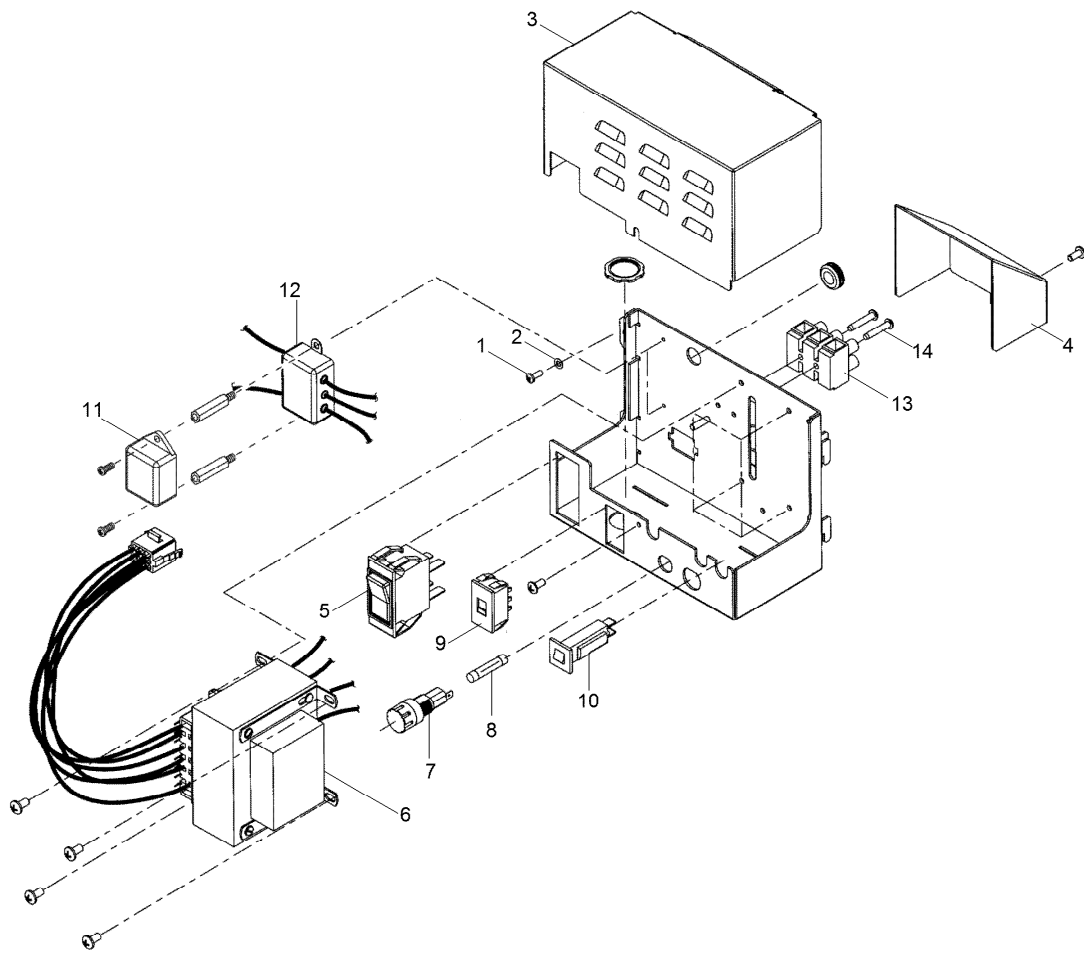
## Network VP and VPE - Power Supply

| Ref. | Part Number | Qty. | Description                                             |
|------|-------------|------|---------------------------------------------------------|
| 1    | 4-1063      | 2    | Screw, Tap, #6                                          |
| 2    |             | 2    | Washer, Lock, #6 ♦                                      |
| 3    | 102-0646    | 1    | Cover, Power Supply                                     |
| 4    | 102-0695    | 1    | Cover, Wire Terminal                                    |
| 5    | 102-0666    | 1    | On/Off Switch                                           |
| 6    | 102-0382    | 1    | Transformer Assy., Service ●                            |
| 6    | 102-3759    | 1    | Transformer Assy., Service (For Japanese Models Only) ● |
| 7    | 102-0649    | 1    | Fuse Holder W/Cap                                       |
| 8    | 102-0650    | 1    | Fuse, 3.2 Amp, Slow-Blow (10-Pack) ●                    |
| 9    | 102-0648    | 1    | Slide Switch 115/230V                                   |
| 10   | 102-0651    | 1    | Circuit Breaker, 4.0 Amp                                |
| 11   | 118-0538SK  | 1    | Toro Transient Filter, Ttf                              |
| 12   | 102-0700    | 1    | Filter Assy., Rfi                                       |
| 13   | 102-0667    | 1    | Terminal Block, 115/230V (Includes Item 14) ▲           |
| 14   | 360-0297    | 2    | Screw, #6 X 3/4"                                        |
|      | 102-0645    | 1    | Power Supply Assembly (Includes Items 1-14) ■           |

● SERVICE ITEMS  
▲ (Includes Item 14)

■ Not illustrated  
♦ Not serviced separately



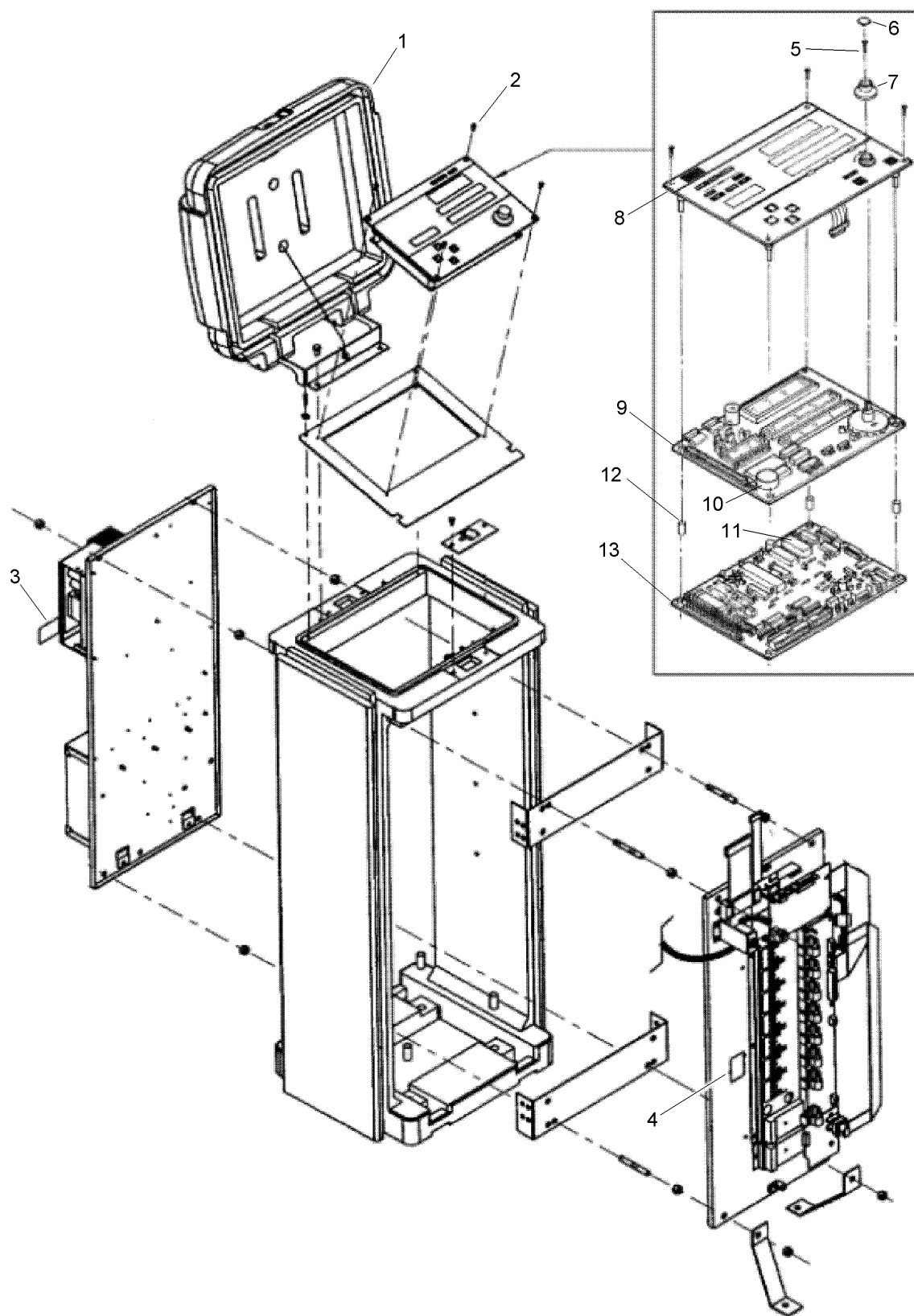


## Network VP and VPE - Power Supply (continued)

● SERVICE ITEMS  
▲ (Includes Item 14)

■ Not illustrated  
◆ Not serviced separately

## Network 8000 Sat., Plastic Cabinet, Int. Components



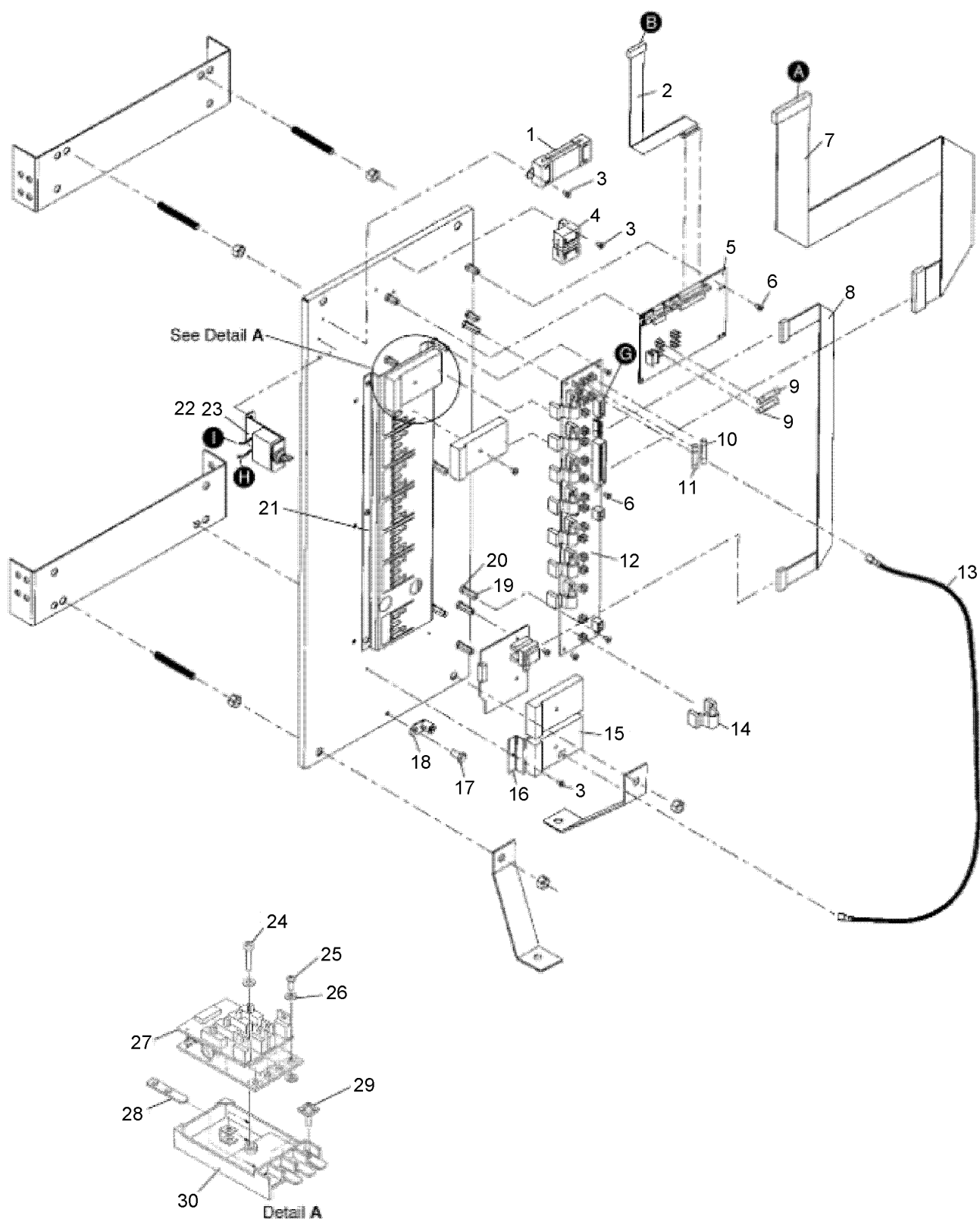
# Network 8000 Sat., Plastic Cabinet, Int. Components (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                      |
|-------------|--------------------|-------------|------------------------------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------|
| 1           |                    |             | Satellite Plastic Pedestal & Components (See Plastic Satellite Pedestal Section) ▲ | 9           | 35-6246            | 1           | Pcb Assy., Display                                      |
| 2           | 4-1063             | 6           | Screw, Tap, #6                                                                     | 10          | 363-2200           | 1           | Battery, 3.9V                                           |
| 3           |                    | 1           | Label, Caution, Removable Door ▲                                                   | 11          | 91-0976            | 1           | Ic, 27C256, Programmed (Eprom)                          |
| 4           |                    | 1           | Label, Serial, Fcc ▲                                                               | 12          | 35-6243            | 4           | Spacer                                                  |
| 5           | 363-1596           | 1           | Screw, Tap, #6-19                                                                  | 13          | 91-1790            | 1           | Pcb Assembly, Processor Mounting Hole Pattern Board ● ■ |
| 6           | 35-7637            | 1           | Cap, Knob                                                                          |             | 91-2340            |             | Control Panel Assy., Service (Includes Items 5-13) ● ■  |
| 7           | 35-6237            | 1           | Knob                                                                               |             |                    |             |                                                         |
| 8           | 35-6247            | 1           | Faceplate Assy.                                                                    |             |                    |             |                                                         |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network 8000 Sat., Plastic Cabinet, 24V Output



**Note:** For **G**, **H** & **I** connection, refer to Sheet 4 of 5.

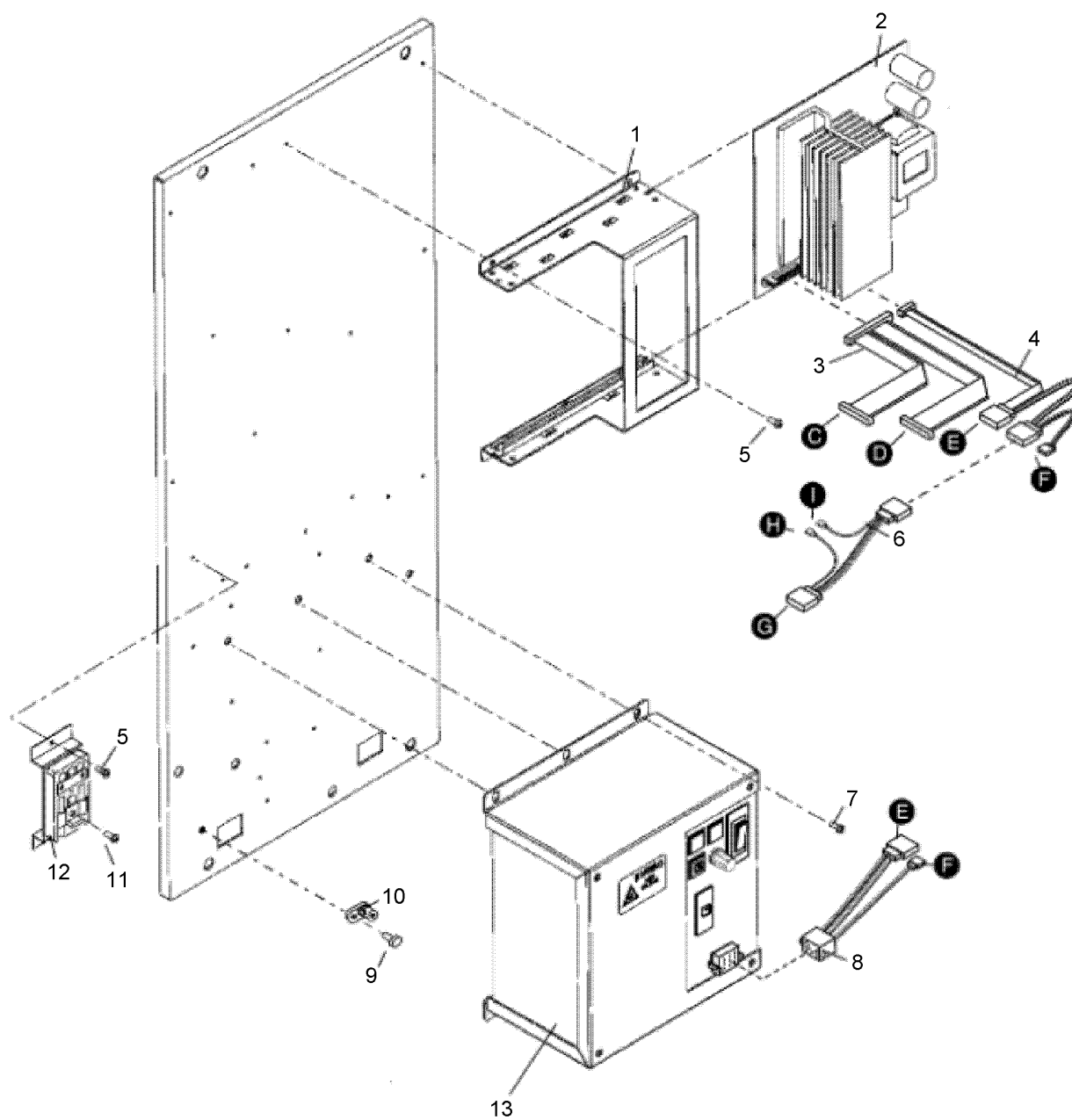
## Network 8000 Sat., Plastic Cabinet, 24V Output (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                  |
|-------------|--------------------|-------------|----------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------|
| 1           |                    | 1           | Ferrite, Flat Cable, 3" ▲              | 16          | 35-6346            | 1           | Bracket, Pump Triac Module                          |
| 2           |                    | 1           | Cable Assembly, Modem ▲                | 17          | 360-0595           | 1           | Screw, Machine, 1/4-20 X 1/2"                       |
| 3           | 4-1063             | 9           | Screw, Tap, #6                         | 18          | 363-1553           | 1           | Lug, Grounding                                      |
| 4           |                    | 1           | Ferrite, Flat Cable, 1.5" ▲            | 19          | 363-2812           | 8           | Standoff, #6-32 X 3/8                               |
| 5           | 102-0864           | 1           | Pcb Assembly, Standard Modem           | 20          | 1-3079             | 12          | Nut, Hex, 6-32                                      |
| 6           | 360-0285           | 18          | Screw, Machine, 6-32 X 3/8             | 21          | 89-8150            | 1           | Bracket, Triac Module                               |
| 7           | 35-8662            | 1           | Cable Assembly, Fuse Board             | 22          |                    | 1           | Bracket, Switch ▲                                   |
| 8           |                    | 1           | Cable Assembly, Voltage Monitor ▲      | 23          | 363-2370           | 1           | Breaker, Circuit, 10 Amp                            |
| 9           | 102-3819           | 2           | Fuse, 0.75 Amp (10-Pack)               | 24          | 1-6051             | 9           | Screw, #8 Phph, Steel                               |
| 10          | 363-2638           | 1           | Fuse, 0.5 Amp                          | 25          | 3-2698             | 32          | Screw, Tap, #6-32 X 1/4                             |
| 11          | 363-2497           | 8           | Fuse, 3.2 Amp, Slow-Blow, Distribution | 26          | 360-0600           | 72          | Washer, Lock, Ext T                                 |
| 12          | 91-1783            | 1           | Pcb Assembly, Fuse And Distribution    | 27          | 35-6399            | 8           | Base Assembly, Triac                                |
| 13          |                    | 1           | Wire Assembly, 18 Awg, Brown ▲         | 28          | 35-6418            | 36          | Terminal Tab, Triac                                 |
| 14          | 35-8664            | 8           | Cable Assembly, Triac                  | 29          | 363-2431           | 36          | Screw, #6 X 1/2, Hi-Lo W/Clamp                      |
| 15          | 91-1783            | 1           | Pcb Assembly, Fuse And Distribution    | 30          | 35-6418 89-8100    | 9           | Terminal Tab, Triac Assembly, Triac Module, Nw8K ●■ |
|             |                    |             |                                        |             | 35-6399            |             | Base Assembly, Triac ●■                             |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network 8000 Sat., Plastic Cabinet, AC/DC PS



**Note:** For **C** & **D** connection, refer to **Sheet 1 of 5**. For **G**, **H** & **I** connection, refer to **Sheet 3 of 5**.

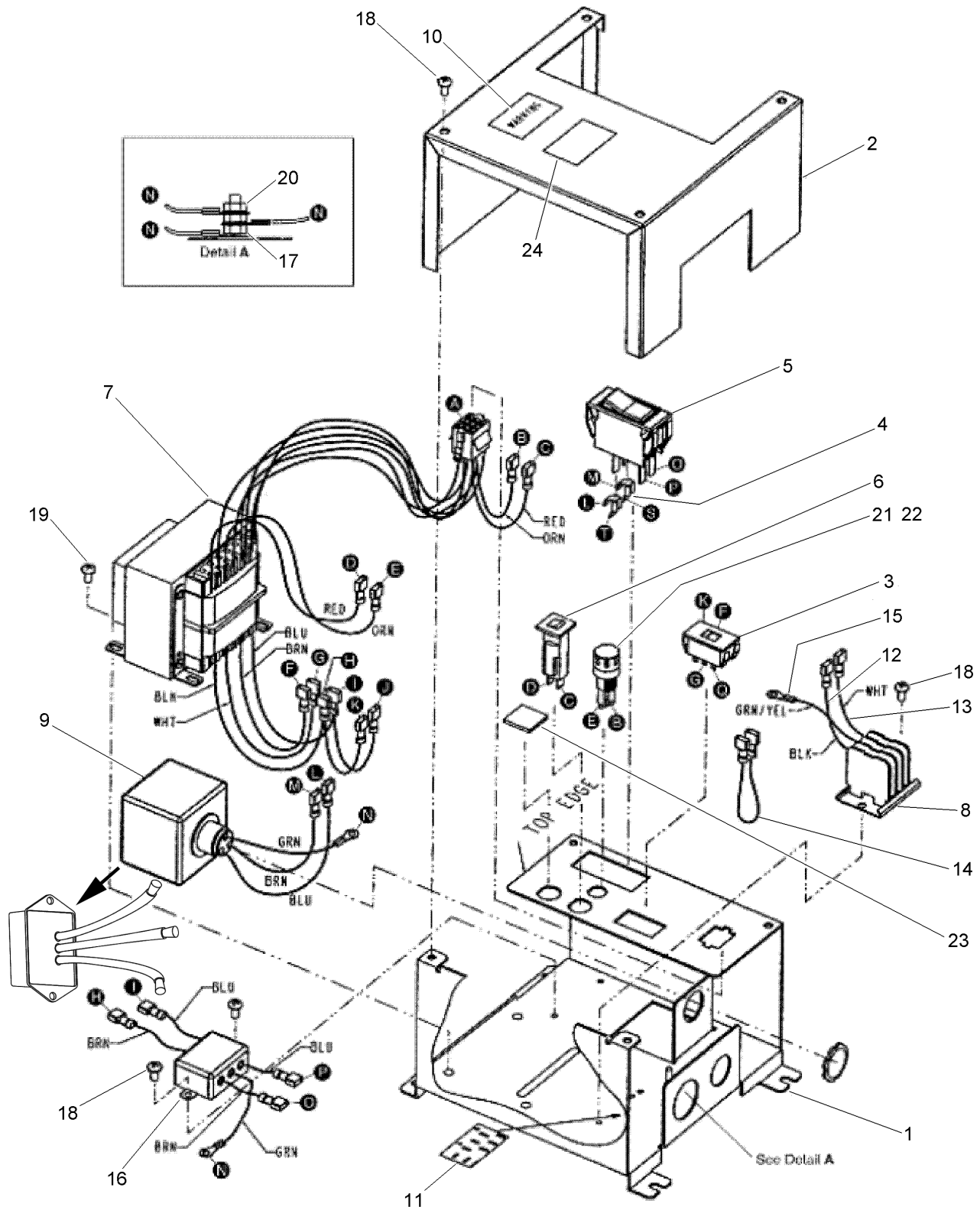
## Network 8000 Sat., Plastic Cabinet, AC/DC PS (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          |
|-------------|--------------------|-------------|---------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------|
| 1           |                    | 1           | Bracket, AC-DC, Nw8K ■                      | 9           | 360-0595           | 1           | Screw, Machine, 1/4-20 X 1/2"                               |
| 2           | 91-1779            | 1           | Pcb Assembly, Power Supply                  | 10          | 363-1553           | 1           | Lug, Grounding                                              |
| 3           |                    | 1           | Cable Assembly, Pcn To Modem ■              | 11          | 363-3103           | 1           | Screw, Tap, #6-19 X 3/4, Phph                               |
| 4           |                    | 1           | Cable Assembly, Pcn To Power Supply ■       | 12          | 35-8833            | 1           | Bracket Assembly, Com Cable                                 |
| 5           | 4-1063             | 6           | Screw, Tap, #6                              | 13          |                    | 1           | Power Supply Assembly (See Power Supply Assembly Section) ■ |
| 6           |                    | 1           | Cable Assembly, Pcn To Distribution Board ■ |             | 35-8833            |             | Bracket Assembly, Com Cable (Includes Items 5, 11 & 12) ●   |
| 7           | 3-1453             | 3           | Screw, Machine, 10-32 X 3/8, Phph, SS       |             |                    |             |                                                             |
| 8           |                    | 1           | Cable Assembly, Power Supply To Pcn ■       |             |                    |             |                                                             |

● Not illustrated

■ Not serviced separately

## Network 8000 Sat., Plastic Cabinet, Power Supply





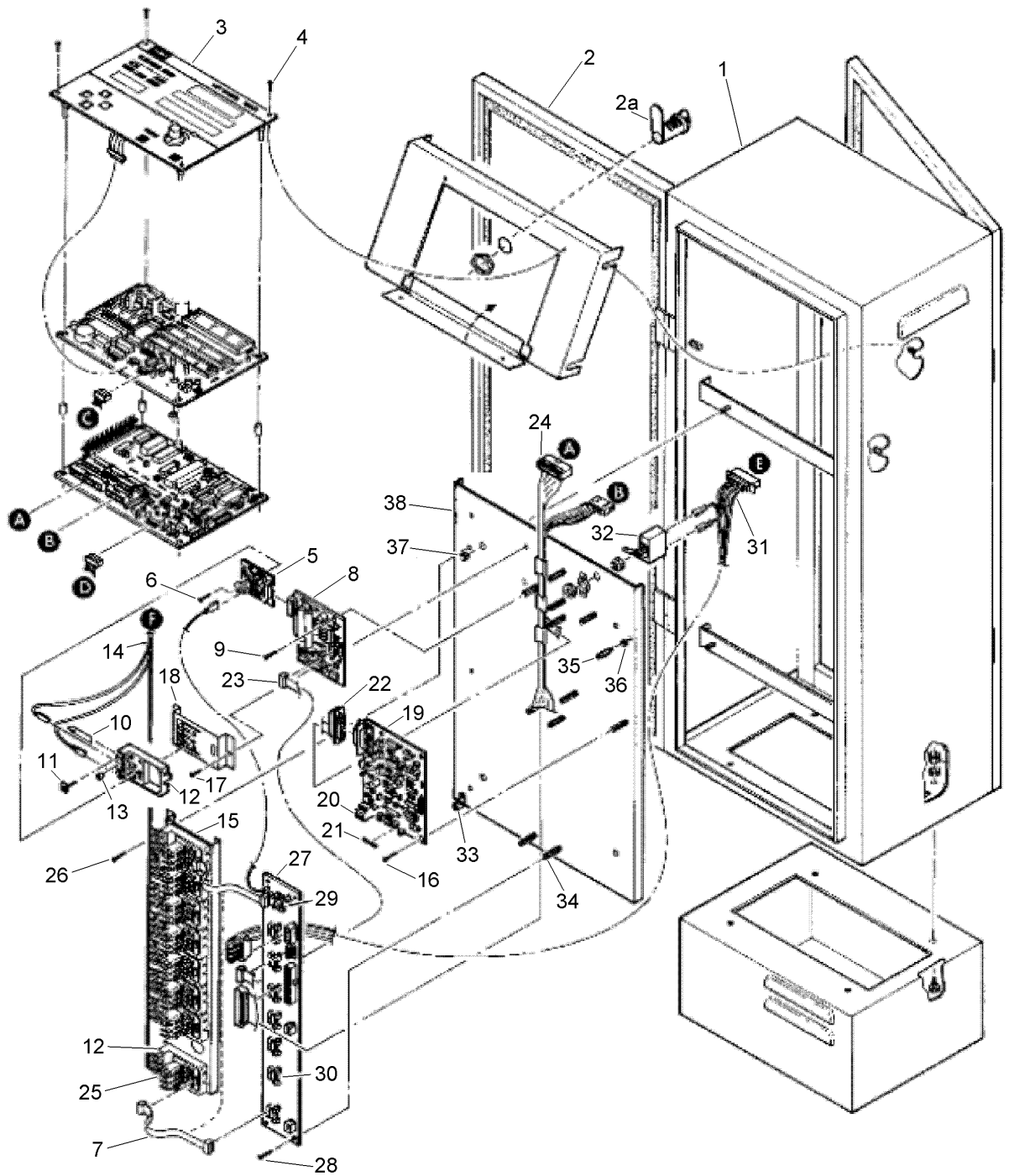
# Network 8000 Sat., Plastic Cabinet, Power Supply (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                          |
|-------------|--------------------|-------------|----------------------------------------|-------------|--------------------|-------------|---------------------------------------------|
| 1           |                    | 1           | Case, Base, Standard Power Supply ■    | 15          |                    | 1           | Wire Assy., 18 Awg, Green/Yellow ■          |
| 2           |                    | 1           | Case Cover, Standard Power Supply ■    | 16          |                    | 1           | Rfi Filter Assembly ■                       |
| 3           | 102-0648           | 1           | Slide Switch 115/230V                  | 17          | 360-0600           | 1           | Washer, Lock, External Tooth, #8            |
| 4           |                    | 1           | Tab Adapter ■                          | 18          | 360-0498           | 4           | Screw, Machine, #8-32 X 1/4" Phph Sst       |
| 5           | 363-3361           | 1           | Switch, Circuit Breaker, 1.5 Amp       | 19          | 3-1453             | 2           | Screw, Machine, #10-32 X 3/8", Phph         |
| 6           | 363-5270           | 1           | Circuit Breaker, 4.0 Amp               | 20          |                    | 1           | Hex Nut, #8-32 W/Lock Washer ■              |
| 7           | 89-8285            | 1           | Transformer, Power Supply              | 21          | 360-0750           | 1           | Holder, Fuse                                |
| 8           | 363-2371           | 1           | Terminal Block, 3-Position             | 22          | 363-2497           | 1           | Fuse, 3.2 Amp                               |
| 9           | 118-0589SK         | 1           | Surge Protector (Replaces Older Model) | 23          |                    | 1           | Cap, Blank ■                                |
| 10          | 89-0722            | 4           | Label, Warning                         | 24          |                    | 1           | Label, Service Kit ■                        |
| 11          |                    | 2           | Label, Terminal Block ■                |             | 89-8279            |             | Power Supply Module (Includes Items 1-24) ● |
| 12          |                    | 1           | Wire Assy., 18 Awg, Black ■            |             |                    |             |                                             |
| 13          |                    | 1           | Wire Assy., 8 Awg White ■              |             |                    |             |                                             |
| 14          |                    | 1           | Wire Assy., 18 Awg, Black ■            |             |                    |             |                                             |

● Not illustrated

■ Not serviced separately

# Network 8000 Sat., Lrg. Stainless Pedestal (1 of 2)



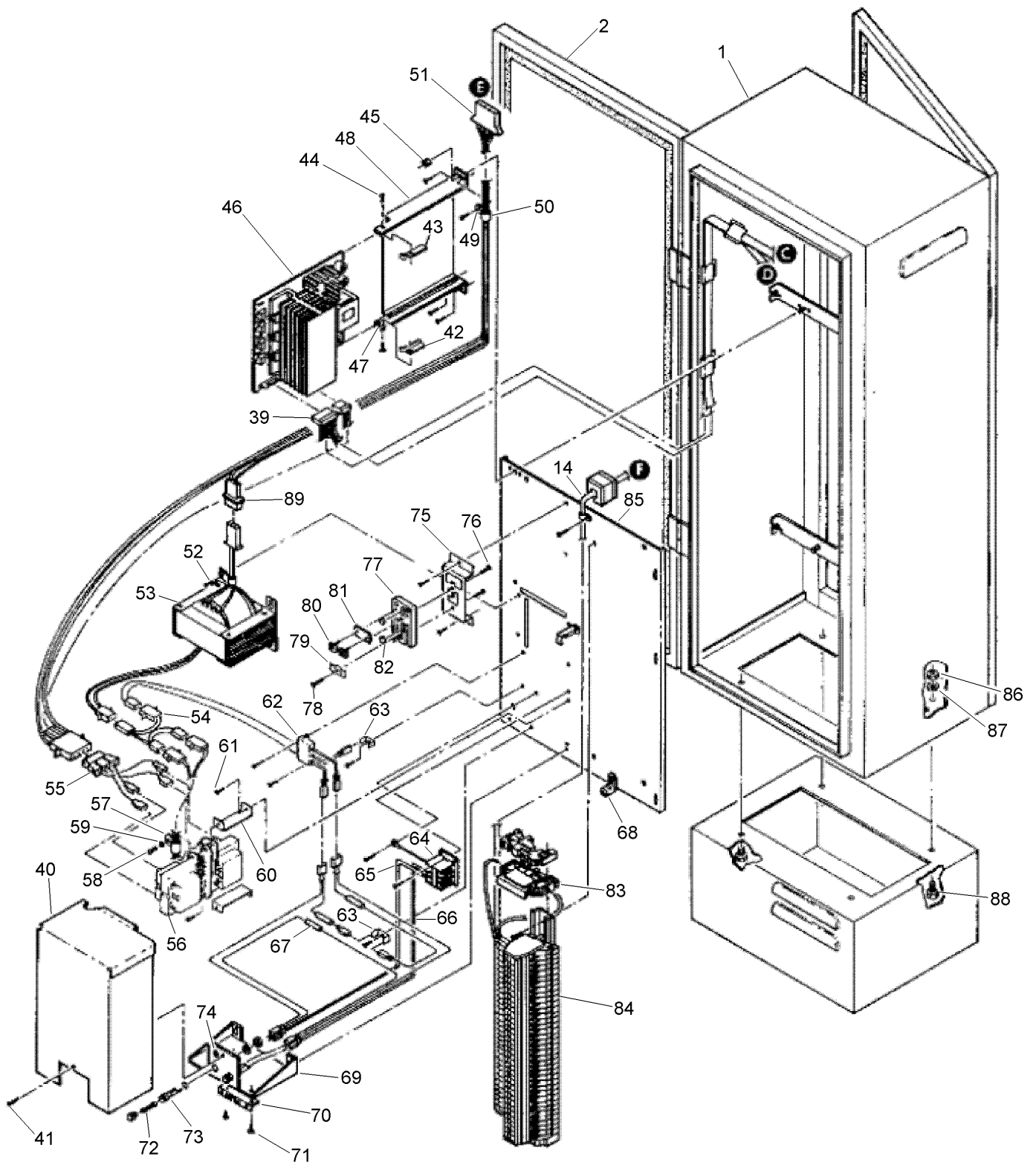
# Network 8000 Sat., Lrg. Stainless Pedestal (1 of 2) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                   |
|-------------|--------------------|-------------|------------------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------|
| 1           | 35-8480            | 1           | Cabinet Assy., Pedestal Controller (Includes Items 1, 2, 2A, And 39) ● | 20          | 363-2231           | 1           | Connector, 3-Pin, Female                             |
| 2           | 91-0986            | 2           | Door Assy., Cabinet (Includes Items 2 And 2A) ●                        | 21          | 363-2638           | 1           | Fuse, 0.5 Amp, 250V, 3Ag                             |
| 2A          | 363-2814           | 2           | Lock Assembly (Includes Keys)                                          | 22          | 35-6328            | 1           | Cable Assy., Modem                                   |
| 3           |                    | 1           | Control Panel Assy. (See Control Panel Assembly) ▲                     | 23          | 35-8663            | 1           | Cable Assy., Valve Voltage                           |
| 4           | 360-0285           | 4           | Screw, Machine #6-32 X 3/8", Sst                                       | 24          | 35-8662            | 1           | Cable Assembly, Fuse Board                           |
| 5           | 35-6326            | 1           | Pcb Assy., Pump/Current Monitor                                        | 25          | 35-6332            | 8           | Pcb Assy., Triac Module                              |
| 6           | 1-1112             | 1           | Screw, Tap #8, Sst                                                     | 26          | 4-1063             | 6           | Screw, Tap, #6                                       |
| 7           | 35-8664            | 8           | Cable Assembly, Triac Board                                            | 27          | 91-1783            | 1           | Pcb Assembly, Fuse And Distribution                  |
| 8           | 91-1782            | 1           | Pcb Assy., Valve Voltage Monitor                                       | 28          | 1-3076             | 4           | Screw, #6-32 X 3/8"                                  |
| 9           | 1-3076             | 2           | Screw, Tap, #6-32 X 3/8"                                               | 29          | 363-2498           | 8           | Fuse, 0.5 Amp Slow-Blow                              |
| 10          | 35-6418            | 4           | Terminal Tab, Triac                                                    | 30          | 363-2497           | 1           | Fuse, 3.2 Amp                                        |
| 11          | 363-2431           | 4           | Screw, #6 X 1/2, Hi-Lo W/Clamp                                         | 31          | 35-8754            | 1           | Cable Assy., Power, 24 V A.C.                        |
| 12          | 35-3434            | 8           | Base, Triac Module                                                     | 32          | 363-2370           | 1           | Breaker, Circuit, 10 Amp                             |
| 13          | 360-0471           | 4           | Surge Protector                                                        | 33          | 363-1553           | 1           | Lug, Grounding                                       |
| 14          | 35-8742            | 1           | Cable Assy., Triac Module                                              | 34          | 363-2804           | 6           | Standoff, Hex, #6-32 X 1/2"                          |
| 15          | 35-8795            | 1           | Bracket, Triac Module                                                  | 35          | 363-2812           | 6           | Standoff, #6-32 X 3/8"                               |
| 16          | 1-3076             | 4           | Screw, Tap, #6-32 X 3/8"                                               | 36          | 1-3079             | 12          | Nut, Hex, 6-32                                       |
| 17          | 4-1063             | 2           | Screw, Tap, #6                                                         | 37          | 360-0594           | 3           | Nut, Hex, 1/4-20                                     |
| 18          | 35-6346            | 1           | Bracket, Pump Triac Module                                             | 38          |                    | 1           | Plate, Front Mounting ▲                              |
| 19          | 89-7852            | 1           | Pcb Assy., Modem (Includes Items 20 & 21)                              |             | 35-6399            |             | Base Assembly, Triac Module (Includes Items 10-13) ■ |
|             |                    |             |                                                                        |             | 9-1051             |             | Board, Mounting Hole Pattern ■                       |
|             |                    |             |                                                                        |             | 363-1683           |             | Washer, Flat, 5/16" ■                                |
|             |                    |             |                                                                        |             | 363-1684           |             | Nut, Hex, 5/16-18 ■                                  |
|             |                    |             |                                                                        |             | 363-1686           |             | Screw, Cap 5/16" X 4" ■                              |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network 8000 Sat., Lrg. Stainless Pedestal (2 of 2)



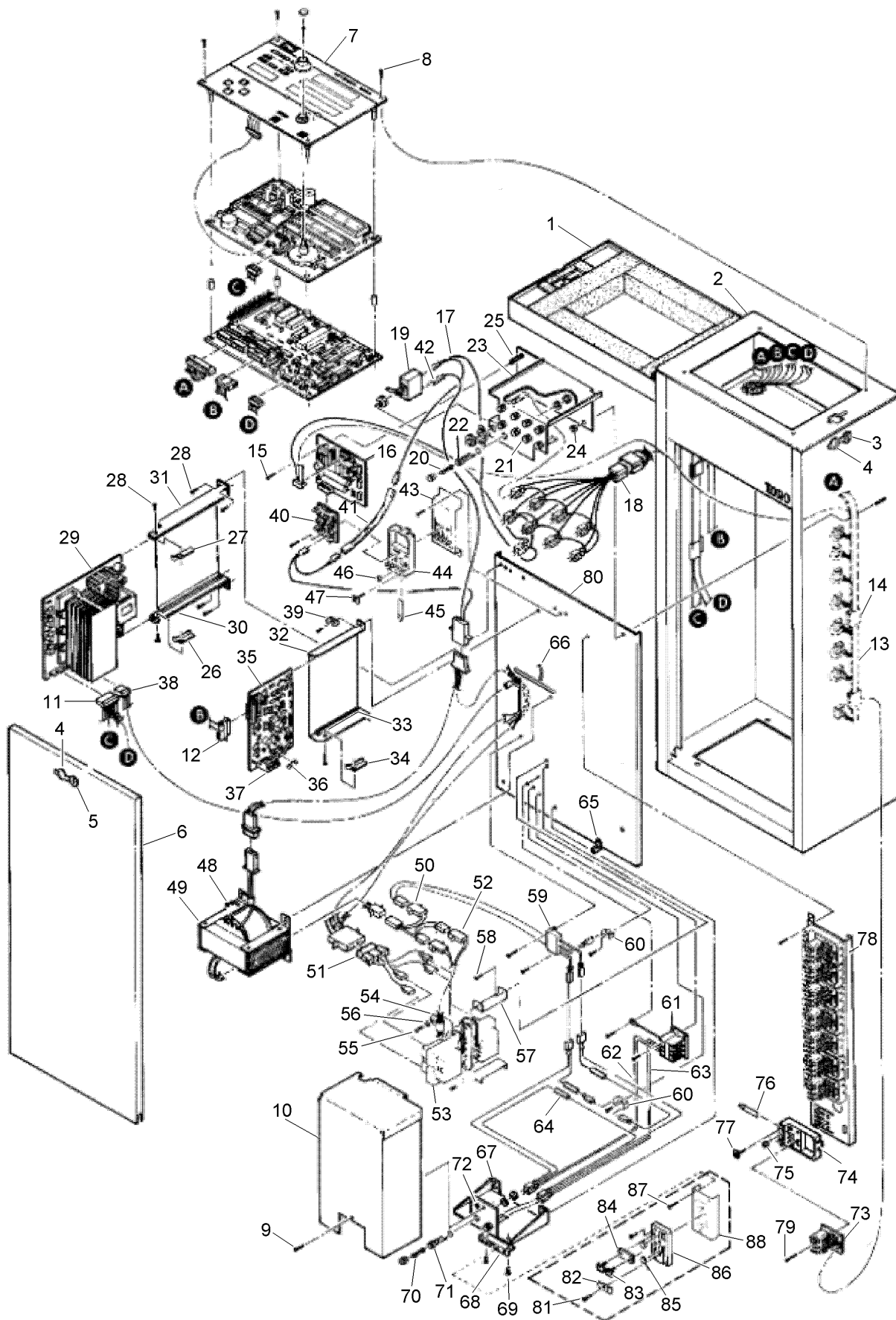
# Network 8000 Sat., Lrg. Stainless Pedestal (2 of 2) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    |
|-------------|--------------------|-------------|--------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------|
| 1           | 35-8480            | 1           | Cabinet Assy., Pedestal Controller (Includes Items 1, 2, And 39) ● | 68          | 363-1553           | 1           | Lug, Grounding                                        |
| 2           | 91-0986            | 2           | Door Assy., Cabinet (Includes Lock Assembly And Keys) ●            | 69          |                    | 1           | Bracket, Conduit ▲                                    |
| 14          | 35-8742            | 1           | Cable Assy., Triac Module                                          | 70          | 35-7738            | 1           | Bracket, Pill Carrier                                 |
| 39          | 35-8705            | 1           | Cable Assy., Power                                                 | 71          | 3-2698             | 5           | Screw, Tap, #6-32 X 1/4"                              |
| 40          | 35-6345            | 1           | Cover, Power Supply                                                | 72          | 363-2260           | 2           | Fuse, 3 Amp                                           |
| 41          | 3-2698             | 1           | Screw, Tap, #6-32 X 1/4                                            | 73          | 360-0750           | 2           | Holder, Fuse                                          |
| 42          | 35-8704            | 1           | Bracket, Retainer, Lower                                           | 74          | 363-2459           | 1           | Plug, Hole                                            |
| 43          |                    | 1           | Bracket, Retainer, Upper ▲                                         | 75          | 35-8448            | 1           | Bracket, Surge Protector                              |
| 44          | 4-1063             | 2           | Screw, Tap, #6                                                     | 76          | 363-1596           | 1           | Screw, Tap, #6-19                                     |
| 45          | 360-0594           | 1           | Nut, Hex, 1/4-20                                                   | 77          | 35-7458            | 1           | Carrier, Surge Protector                              |
| 46          | 91-1779            | 1           | Pcb Assembly, Power Supply                                         | 78          | 363-3103           | 1           | Screw, Tap, #6-19 X 3/4", Phph                        |
| 47          | 363-2233           | 2           | Guide, Card, Pcb 6-3/4"                                            | 79          | 363-2271           | 1           | Clamp, Cable                                          |
| 48          | 35-8367            | 1           | Bracket, Power Supply                                              | 80          | 363-2431           | 2           | Screw, #6 X 1/2", Hi-Lo W/Clamp                       |
| 49          |                    | 2           | Washer, Flat, #8, Brass ▲                                          | 81          | 35-7524            | 1           | Strap                                                 |
| 50          | 1-7176             | 1           | Clamp, Cable, Large                                                | 82          | 360-0471           | 2           | Surge Protector                                       |
| 51          | 35-8755            | 1           | Cable Assy., Power Level 3                                         | 83          | 363-2635           | 1           | Fuse, 7.5 Amp                                         |
| 52          | 360-0355           | 1           | Screw, Tap #8                                                      | 84          | 363-2807           | 1           | Terminal Strip                                        |
| 53          | 35-8583            | 1           | Transformer Assy., Triac                                           | 85          | 35-9703            | 1           | Plate, Rear Mounting                                  |
| 54          | 35-8792            | 1           | Cable Assy., Transformer, 24V                                      | 86          | 363-1684           | 8           | Nut, Hex, 5/16-18 ●                                   |
| 55          | 35-8837            | 1           | Cable Assy., Transformer, Power                                    | 87          | 363-1683           | 4           | Washer, Flat, 5/16" ●                                 |
| 56          | 91-1288            | 2           | Transformer Assy., 24V, 20 Va                                      | 88          | 363-1686           | 4           | Screw, Cap, 5/16" X 1.5" ●                            |
| 57          | 1-7176             | 1           | Clamp, Cable, Large                                                | 89          | 89-7464            | 1           | Cable Assy., Y-Harness                                |
| 58          | 360-0355           | 1           | Screw, Tap #8                                                      |             | 35-8833            |             | Bracket Assembly, Com Cable (Includes Items 75-82) ●■ |
| 59          |                    | 1           | Washer, Flat, #8, Brass ▲                                          |             | 35-8741            |             | Bracket And Fuse Assy. (Includes Items 69-74) ●■      |
| 60          | 35-8174            | 2           | Bracket, Transformer                                               |             | 35-9114            |             | Lightning Protection Assy. (Includes Items 67) ●■     |
| 61          | 4-1063             | 4           | Screw, Tap, #6                                                     |             | 35-8753            |             | Transformer Assy., Power (Includes Items 56-60) ●■    |
| 62          | 35-8904            | 1           | Filter Assy., Rfi                                                  |             | 91-0987            |             | Pcb Assy., Mod. 30, 286, Network 8000 (Snc) ●■        |
| 63          | 363-1346           | 2           | Tab, Terminal, Kt-4                                                |             | 35-9450            |             | Pcb Assy., Sensor Input, Network 8000 Mc Unit ●■      |
| 64          | 363-2371           | 1           | Terminal Block, 3-Position                                         |             | 35-8472            |             | Pressure Sensor Kit, Network 8000 Mc Unit ●■          |
| 65          | 35-7841            | 1           | Wire Assy., Fuse/Terminal Block, Black                             |             | 35-9427            |             | Cable Assy., Pressure Sensor, Network 8000 Mc Unit ●■ |
| 66          | 35-7842            | 1           | Wire Assy., Fuse/Terminal Block, White                             |             |                    |             |                                                       |
| 67          | 360-0345           | 3           | Surge Protector                                                    |             |                    |             |                                                       |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network 8000 Sat., Small, Green Stainless Pedestal



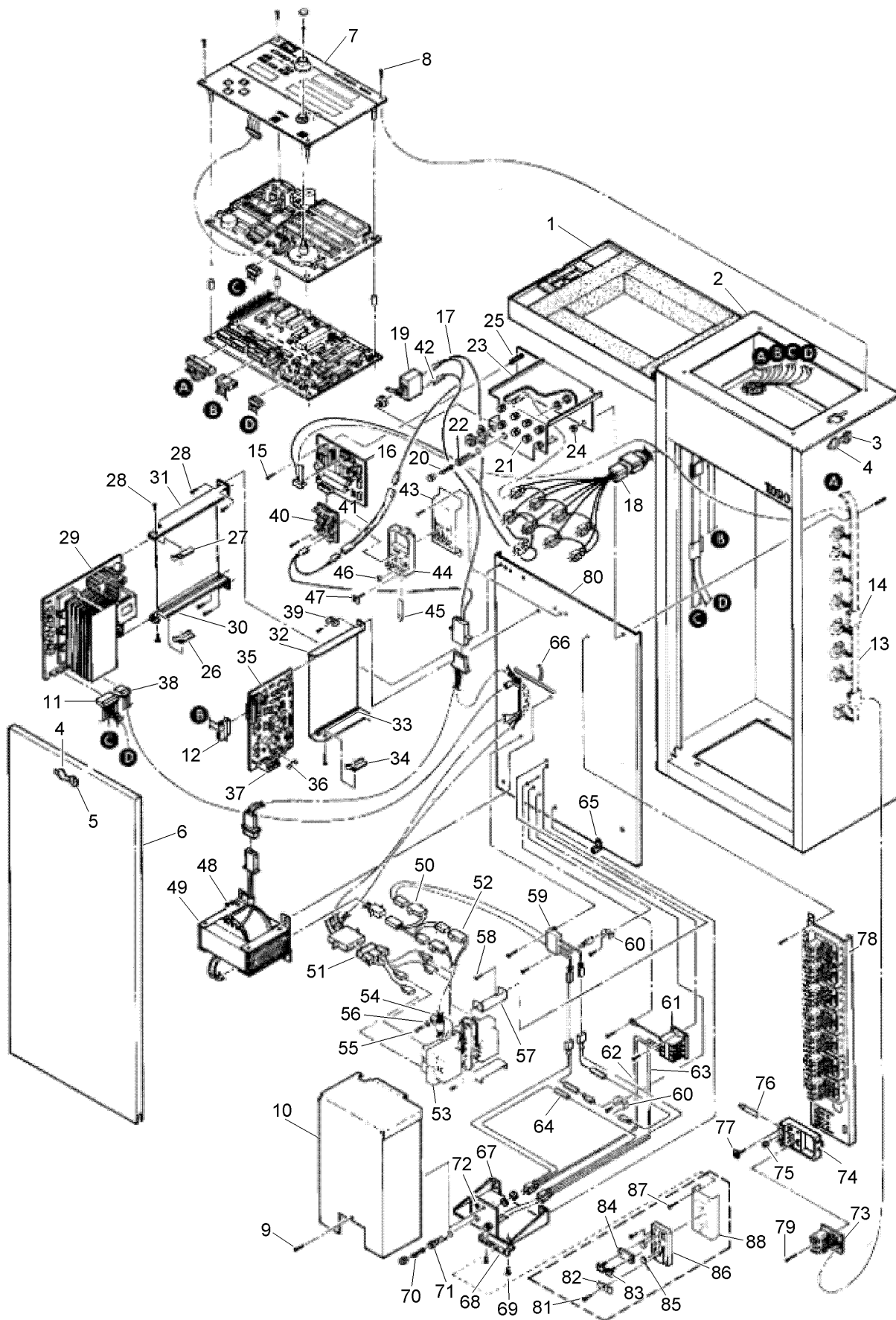
# Network 8000 Sat., Small, Green Stainless Pedestal (continued)

| Ref. | Part Number | Qty. | Description                                         | Ref. | Part Number | Qty. | Description                                                                      |
|------|-------------|------|-----------------------------------------------------|------|-------------|------|----------------------------------------------------------------------------------|
| 1    | 9-4043      | 1    | Lid Assy., Cabinet                                  | 51   | 35-8837     | 1    | Cable Assy., Transformer, Power                                                  |
| 2    | 89-0385     | 1    | Cabinet, Tall                                       | 52   | 363-1273    | 1    | Connector, Pin                                                                   |
| 3    | 360-0583    | 1    | Lock, Door                                          | 53   | 91-1288     | 2    | Transformer Assy., 24V, 20 Va                                                    |
| 4    | 9-4303      | 2    | Cover, Lock                                         | 54   | 1-7176      | 1    | Clamp, Cable, Large                                                              |
| 5    | 360-0583    | 1    | Lock, Door                                          | 55   | 360-0355    | 1    | Screw, Tap #8                                                                    |
| 6    | 9-1018      | 1    | Door, Pedestal                                      | 56   |             | 1    | Washer, Flat, #8, Brass ▲                                                        |
| 7    |             | 1    | Panel Assy., Control (See Control Panel Assembly) ▲ | 57   | 35-8174     | 2    | Bracket, Transformer                                                             |
| 8    | 360-0285    | 4    | Screw, Machine, 6-32 X 3/8", Sst                    | 58   | 4-1063      | 4    | Screw, Tap, #6                                                                   |
| 9    | 3-2698      | 1    | Screw, Tap, #6-32 X 1/4"                            | 59   | 35-8904     | 1    | Filter Assy., Rfi                                                                |
| 10   | 35-8706     | 1    | Cover, Power Supply                                 | 60   | 363-1346    | 2    | Tab, Terminal, Kt-4                                                              |
| 11   | 35-8705     | 1    | Cable Assy., Power                                  | 61   | 363-2371    | 1    | Terminal Block, 3-Position                                                       |
| 12   | 35-6328     | 1    | Cable Assy., Modem                                  | 62   | 35-7841     | 1    | Wire Assy., Fuse/Terminal Block, Black                                           |
| 13   | 35-7605     | 1    | Cable Assy., Triac Driver                           | 63   | 35-7842     | 1    | Wire Assy., Fuse/Terminal Block, White                                           |
| 14   | 363-2321    | 1    | Clamp, Cable Flat                                   | 64   | 360-0345    | 3    | Surge Protector                                                                  |
| 15   | 1-3076      | 1    | Screw, 6-32 X 3/8"                                  | 65   | 363-1553    | 1    | Lug, Grounding                                                                   |
| 16   | 91-1782     | 1    | Pcb Assy., Valve Voltage Monitor                    | 66   | 35-7288     | 1    | Clip, Ground                                                                     |
| 17   | 35-7286     | 1    | Wire Assy., Fuse                                    | 67   |             | 1    | Bracket, Conduit ▲                                                               |
| 18   | 35-7575     | 1    | Cable Assy., Triac Fuse                             | 68   | 35-7738     | 1    | Bracket, Pill Carrier                                                            |
| 19   | 363-2370    | 1    | Breaker, Circuit, 10 Amp                            | 69   | 3-2698      | 5    | Screw, Tap, #6-32 X 1/4"                                                         |
| 20   | 363-2497    | 8    | Fuse, 3.2 Amp                                       | 70   | 363-2260    | 2    | Fuse, 3 Amp                                                                      |
| 21   | 363-2498    | 1    | Fuse, 0.5 Amp Slow-Blow                             | 71   | 360-0750    | 2    | Holder, Fuse                                                                     |
| 22   | 360-0750    | 9    | Holder, Fuse                                        | 72   | 363-2459    | 1    | Plug, Hole                                                                       |
| 23   | 35-7285     | 1    | Bracket, Fuse                                       | 73   | 35-6332     | 1    | Pcb Assy., Triac Module                                                          |
| 24   | 360-0594    | 1    | Nut-Hex                                             | 74   | 35-3434     | 1    | Base, Triac Module                                                               |
| 25   | 363-2812    | 8    | Standoff, #6-32 X 3/8                               | 75   | 360-0471    | 32   | Surge Protector                                                                  |
| 26   | 35-8704     | 1    | Bracket, Retainer, Lower                            | 76   | 35-6418     | 32   | Terminal Tab, Triac                                                              |
| 27   |             | 1    | Bracket, Retainer, Upper ▲                          | 77   | 363-2431    | 32   | Screw, #6 X 1/2, Hi-Lo W/Clamp                                                   |
| 28   | 4-1063      | 6    | Screw, Tap, #6                                      | 78   | 35-8795     | 1    | Bracket, Triac Module                                                            |
| 29   | 91-1779     | 1    | Pcb Assembly, Power Supply                          | 79   | 1-1112      | 8    | Screw, Tap #8 Sst                                                                |
| 30   | 363-2233    | 2    | Guide, Card, Pcb 6-3/4"                             | 80   | 35-9703     | 1    | Plate, Rear Mounting                                                             |
| 31   | 35-8367     | 1    | Bracket, Power Supply                               | 81   | 360-0733    | 1    | Screw, Tap, #6                                                                   |
| 32   | 35-8570     | 1    | Bracket, Modem                                      | 82   | 363-2271    | 1    | Clamp, Cable                                                                     |
| 33   | 363-2281    | 2    | Guide, Card, Pcb,                                   | 83   | 363-2431    | 2    | Screw, #6 X 1/2, Hi-Lo W/Clamp                                                   |
| 34   | 35-8704     | 1    | Bracket, Retainer, Lower                            | 84   | 35-7524     | 1    | Strap                                                                            |
| 35   | 91-1781     | 1    | Pcb Assy., Modem                                    | 85   | 360-0471    | 2    | Surge Protector                                                                  |
| 36   | 363-2638    | 2    | Fuse, .5 Amp                                        | 86   | 35-7458     | 1    | Carrier, Surge Protector                                                         |
| 37   | 363-2231    | 1    | Connector, 3-Pin, Female                            | 87   | 363-1596    | 1    | Scr,TAP,6-19X7/16,Phph, Stl, Rohs                                                |
| 38   | 35-8755     | 1    | Cable Assy., Power Level 3                          | 88   | 35-7790     | 1    | Bracket Assy., Surge Protector                                                   |
| 39   | 363-1346    | 3    | Tab, Terminal, Kt-4                                 |      | 91-0987     |      | Pcb Assy., Mod. 30, 286, Network 8000 (Snc) ●■                                   |
| 40   | 35-6326     | 1    | Pcb Assy., Pump/Current Monitor                     |      | 91-0488     |      | Pedestal, Satellite, Network 8000, Small Stainless Steel (Includes Items 1-6) ●■ |
| 41   | 35-7888     | 1    | Surge Protector Assy.                               |      | 91-0291     |      | Door Assy., Stainless Steel (Includes Items 4-6) ●■                              |
| 42   | 35-8796     | 1    | Cable Assy., 24V                                    |      | 9-4993      |      | Door Assy., Green Metal Pedestal (Includes Items 4-6) ●■                         |
| 43   | 35-6346     | 1    | Bracket, Pump Triac Module                          |      | 9-1695      |      | Lock Assy. (Includes Items 3 & 4) ●■                                             |
| 44   | 35-6399     | 9    | Base Assembly, Triac                                |      |             |      |                                                                                  |
| 45   | 35-6418     | 4    | Terminal Tab, Triac                                 |      |             |      |                                                                                  |
| 46   | 360-0471    | 4    | Surge Protector                                     |      |             |      |                                                                                  |
| 47   | 363-2431    | 4    | Screw, #6 X 1/2", Hi-Lo W/Clamp                     |      |             |      |                                                                                  |
| 48   | 360-0355    | 1    | Screw, Tap #8                                       |      |             |      |                                                                                  |
| 49   | 35-8583     | 1    | Transformer Assy., Triac                            |      |             |      |                                                                                  |
| 50   | 35-8793     | 1    | Cable Assy., Transformer, 24V                       |      |             |      |                                                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network 8000 Sat., Small, Green Stainless Pedestal (continued)





## Network 8000 Sat., Small, Green Stainless Pedestal (continued)

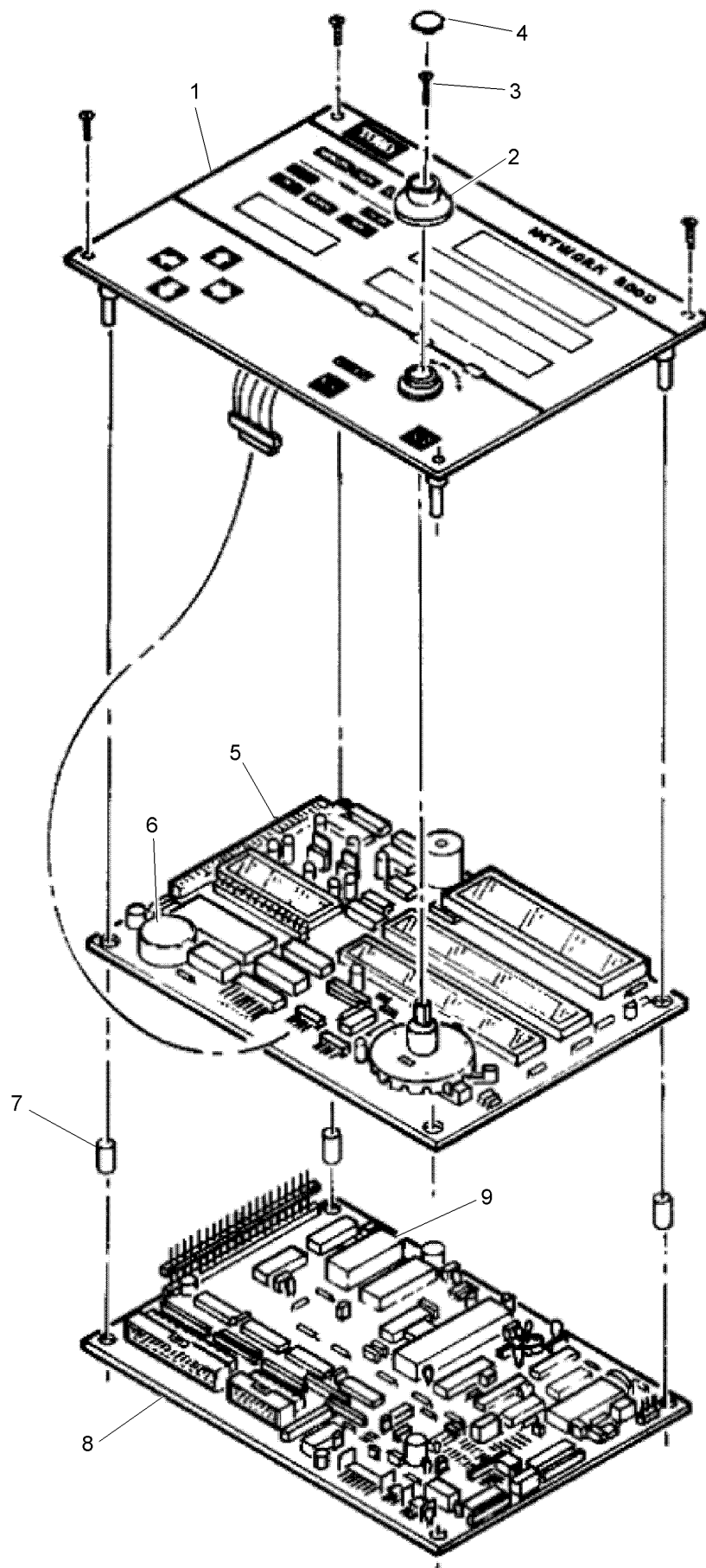
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|--------------------------------------------------------------------|
|             | 35-8741            |             | Bracket And Fuse Assy.<br>(Includes Items 67-72) ●■                |
|             | 35-6399            |             | Base Assembly, Triac<br>Module (Includes Items<br>74-77) ●■        |
|             | 35-8970            |             | Kit, Installation, Network<br>8000 (Includes Items 81-88)<br>●■    |
|             | 35-2355            |             | Fuse Holder, Inline (Small<br>Stainless Steel Pedestal<br>Only) ●■ |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                     |
|-------------|--------------------|-------------|------------------------------------------------------------------------|
|             | 363-2635           |             | Fuse, 7.5 Amp ●■                                                       |
|             | 363-1684           |             | Hex Nut, 5/16" (Small<br>Stainless Steel Pedestal<br>Only) ●■          |
|             | 363-1683           |             | Flat Washer, 5/16" (Small<br>Stainless Steel Pedestal<br>Only) ●■      |
|             | 363-1686           |             | Cap Screw, 5/16" X 4.5"<br>(Small Stainless Steel<br>Pedestal Only) ●■ |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network 8000 Satellite Control Panel Assembly



## Network 8000 Satellite Control Panel Assembly (continued)

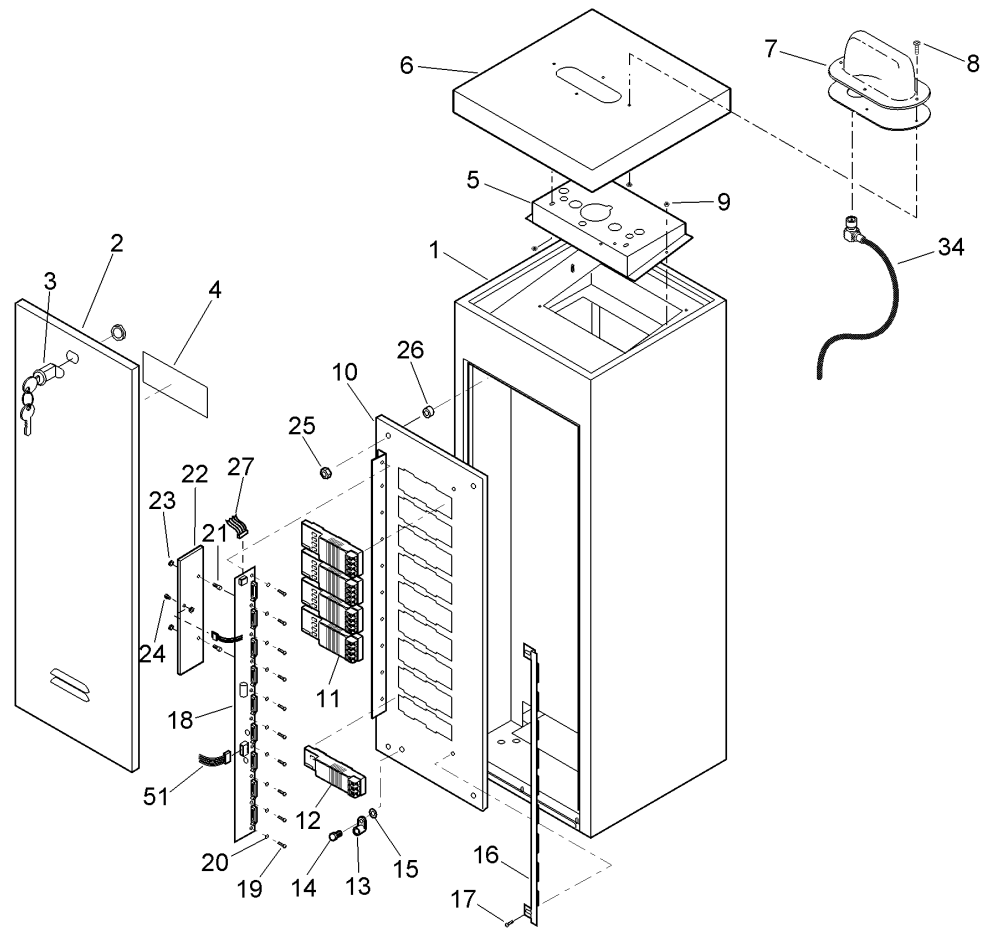
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                         |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|----------------------------------------------------------------------------|
| 1           | 35-6247            | 1           | Faceplate Assy.                          | 8           | 91-1790            | 1           | Pcb Assembly, Processor                                                    |
| 1           |                    | 1           | Faceplate Assembly, Nw<br>8000 Mc Unit ▲ | 8           | 91-1786            | 1           | Pcb Assy., Processor, Nw<br>8000 Mc Unit                                   |
| 1           |                    | 1           | Faceplate Assembly, Nw<br>8000 Plc ▲     | 8           | 91-1787            | 1           | Pcb Assy., Processor, Nw<br>8000 Plc                                       |
| 2           | 35-6237            | 1           | Knob                                     | 9           | 995-94             | 1           | Eprom, Network 8000<br>Satellite, Rev. 5.06                                |
| 3           | 363-1596           | 1           | Screw, Tap, #6-19                        |             | 91-2340            |             | Control Panel Assy., Service<br>(Includes Items 1-9) ●■                    |
| 4           | 35-7637            | 1           | Cap, Knob                                |             | 91-1278            |             | Control Panel Assembly,<br>Network 8000 Mc Unit<br>(Includes Items 1-9) ●■ |
| 5           | 91-1784            | 1           | Pcb Assy., Display, Nw 8000<br>Sat.      |             | 91-1800            |             | Control Panel Assembly,<br>Network 8000 Plc (Includes<br>Items 1-9) ●■     |
| 5           | 91-1791            | 1           | Pcb Assy., Display, Nw 8000<br>Mc Unit   |             |                    |             |                                                                            |
| 5           | 91-1282            | 1           | Pcb Assy., Display, Nw 8000<br>Plc       |             |                    |             |                                                                            |
| 6           | 363-2200           | 1           | Battery, 3.9V                            |             |                    |             |                                                                            |
| 7           | 35-6243            | 4           | Spacer                                   |             |                    |             |                                                                            |

● SERVICE ITEMS  
▲ Not serviced separately

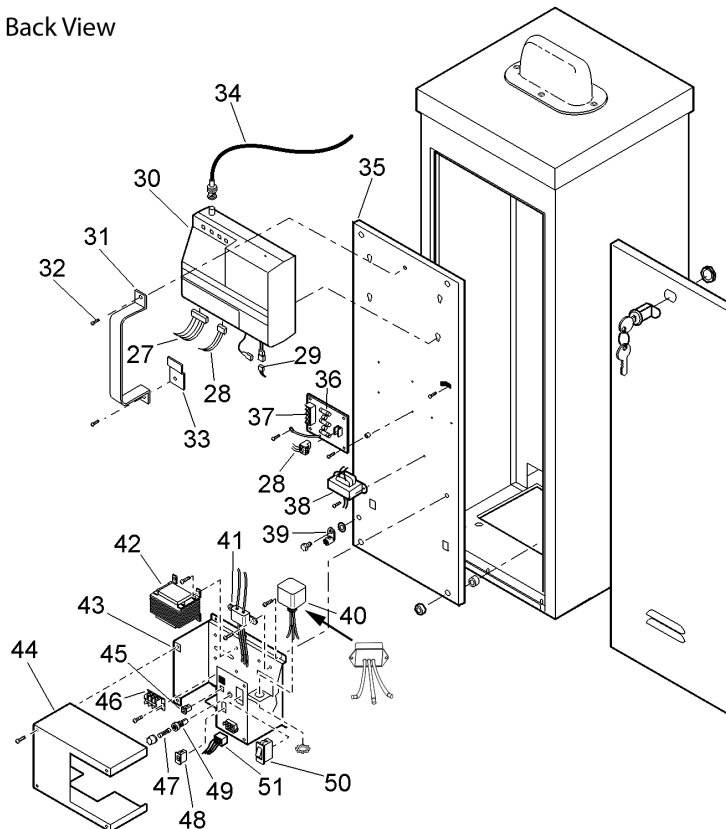
■ Not illustrated

# Network DR2 Satellite - Metal Cabinet (Late Model)

Front View



Back View



# Network DR2 Satellite - Metal Cabinet (Late Model) (continued)

| Ref. | Part Number | Qty. | Description                                                | Ref. | Part Number | Qty. | Description                                             |
|------|-------------|------|------------------------------------------------------------|------|-------------|------|---------------------------------------------------------|
| 1    |             | 1    | Cabinet Assy., Pedestal, 13" X 13" ▲                       | 30   | DR2-00-02   | 1    | Dr2 Scorpio, Frequency 2 ♦                              |
| 2    | 89-7842     | 2    | Door Assy. (Includes Item 3)                               | 30   | DR2-00-03   | 1    | Dr2 Scorpio, Frequency 3 ♦                              |
| 2    | 89-7846     | 2    | Door Assy., Sst (Includes Item 3)                          | 30   | DR2-00-04   | 1    | Dr2 Scorpio, Frequency 4 ♦                              |
| 3    | 363-5369    | 2    | Lock Assy., Door                                           | 30   | DR2-00-05   | 1    | Dr2 Scorpio, Frequency 5 ♦                              |
| 4    | 91-0910     | 2    | Decal, Caution, Removable Door                             | 30   | DR2-00-06   | 1    | Dr2 Scorpio, Frequency 6 ♦                              |
| 5    |             | 1    | Adapter, Pedestal Lid ▲                                    | 30   | DR2-00-AA   | 1    | Dr2 Scorpio, Frequency, Special ♦                       |
| 6    |             | 1    | Lid, (Antenna-Mount) (See Service Item 89-7775) ▲          | 31   |             | 1    | Bracket, Shipping, ▲                                    |
| 6    |             | 1    | Lid, Sst (Antenna-Mount) (See Service Item 89-7775) ▲      | 32   |             | 2    | Screw, Tap, #6, ▲                                       |
| 7    |             | 1    | Antenna, Dome, 400-470 Mhz (See Service Item 89-7775) ▲    | 33   |             | 1    | Bracket, Terminal, Scorpio ▲                            |
| 8    |             |      | Screw, Machine, #10-32 X 5/8" (See Service Item 89-7775) ▲ | 34   |             | 1    | Cable Assy., Antenna ▲                                  |
| 9    |             | 8    | Hex Nut, #10-32 W/Ext T Lk ▲                               | 35   | 89-7750     | 1    | Plate, Power Supply, Mounting                           |
| 10   |             | 1    | Plate, Module, Mounting, 32 ▲                              | 36   | 363-2638    | 3    | Fuse, .5 Amp                                            |
| 11   | MOD-S4      | 4    | Module Assy., Output ♦                                     | 37   | 89-7682     | 1    | Pcb Assy., Lcm/Sensor Interface                         |
| 12   | 89-7711     | 1    | Module Assy., Pump                                         | 38   | 89-7979     | 1    | Xfmr Assy., Isolation (W/Cables)                        |
| 13   | 363-1553    | 1    | Lug, Grounding                                             | 39   | 363-1553    | 1    | Lug, Grounding                                          |
| 14   |             | 1    | Screw, Machine, 1/4-20 X 1/2" ▲                            | 40   | 118-0538SK  | 1    | Joslyn Surge Protector W/Nut (Replaces Older Model)     |
| 15   |             | 2    | Washer, Lock, 1/4 ▲                                        | 41   | 89-8001     | 1    | Emi Filter Assy. (W/Cables)                             |
| 16   | 89-7394     | 1    | Lock, Module                                               | 42   | 102-0647    | 1    | Transformer Assy., Svc. ●                               |
| 17   | 363-1752    | 2    | Screw, Machine, #10-32                                     | 43   |             | 1    | Power Supply Metal Base ▲                               |
| 18   | 89-7786     | 1    | Pcb Assy., Buf, Back Plane                                 | 44   |             | 1    | Power Supply Metal Cover ▲                              |
| 19   | 360-0498    | 10   | Screw, Machine, 8-32 X 1/4"                                | 45   | 102-0651    | 1    | Circuit Breaker, 4.0 Amp                                |
| 20   |             | 10   | Washer, Lock, #8 ▲                                         | 46   | 363-3216    | 1    | Terminal Block, Socket                                  |
| 21   |             | 2    | Spacer, #8-32, Male/Female ▲                               | 47   | 102-0650    | 1    | Fuse, 3.2 Amp, Slow-Blow (10-Pack)                      |
| 22   |             | 1    | Heat Sink ▲                                                | 48   | 102-0648    | 1    | Slide Switch 115/230V                                   |
| 23   |             | 2    | Hex Nut, #8-32 ▲                                           | 49   | 102-0649    | 1    | Fuse Holder W/Cap                                       |
| 24   | 360-0285    | 1    | Screw, Machine, 6-32 X 3/8                                 | 50   | 102-0666    | 1    | On/Off Switch                                           |
| 25   | 363-3236    | 8    | Hex Nut, 5/16                                              | 51   |             | 1    | Cable Assy., Power Supply ▲                             |
| 26   |             |      | Spacer ▲                                                   |      | 360-0565    |      | Keys, Lock (Golf #1382) ●■                              |
| 27   | 89-7771     | 1    | Cable Assy., Output                                        |      | 89-7775     |      | Lid Assy., Ped., Sst W/ Antenna (Includes Items 6-8) ●■ |
| 28   |             | 1    | Cable Assy. ▲                                              |      | 89-8158     |      | Lid, Pedestal (Non-Antenna) ●■                          |
| 29   | 89-8001     | 1    | Emi Filter Assy. (W/Cables)                                |      | 89-8159     |      | Lid, Pedestal, Sst (Non-Antenna) ●■                     |
| 30   | DR2-00-01   | 1    | Dr2 Scorpio, Frequency 1 ♦                                 |      | 89-7789     |      | Back Plate Assy., Dr2 (Includes Items 10-24) ●■         |

● SERVICE ITEMS

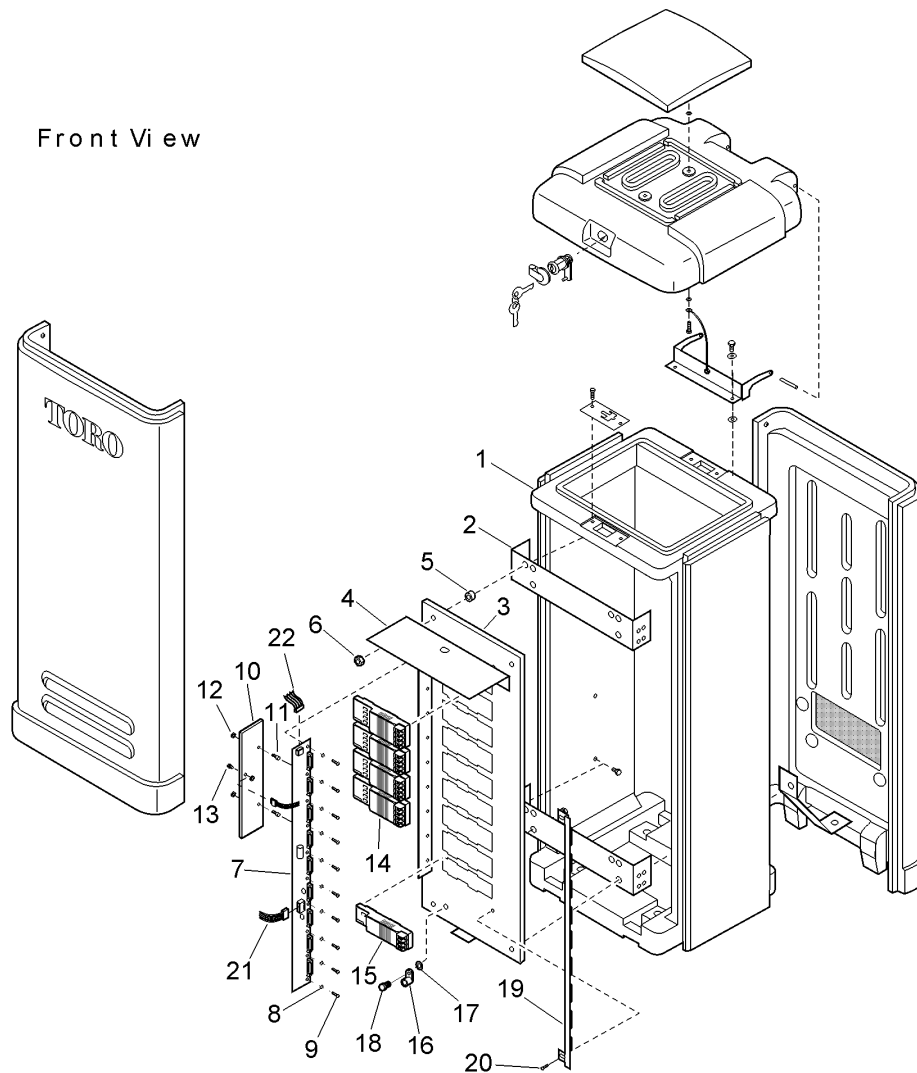
▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

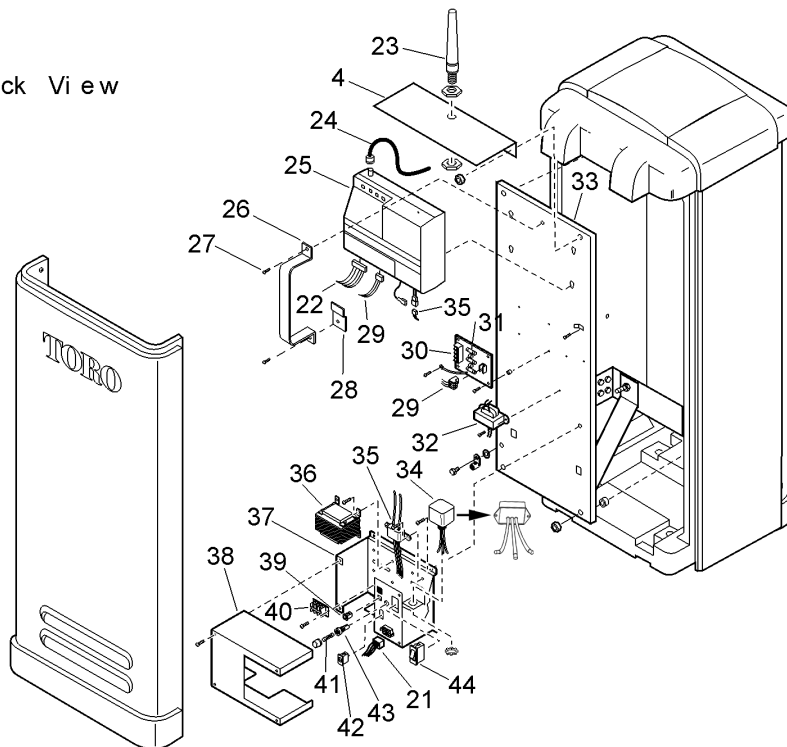
■ Not illustrated

# Network DR2 Satellite - Plastic Cabinet

Front View



Back View



## Network DR2 Satellite - Plastic Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                          |
|-------------|--------------------|-------------|-------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------|
| 1           |                    | 1           | Satellite Plastic Pedestal & Components ▲ | 25          | DR2-00-04          | 1           | Dr2 Scorpio, Frequency 4 ♦                                  |
| 2           | 89-8225            | 2           | Bracket                                   | 25          | DR2-00-05          | 1           | Dr2 Scorpio, Frequency 5 ♦                                  |
| 3           |                    | 1           | Plate, Module, Mounting ▲                 | 25          | DR2-00-06          | 1           | Dr2 Scorpio, Frequency 6 ♦                                  |
| 4           |                    | 2           | Bracket, Antenna ▲                        | 25          | DR2-00-AA          | 1           | Dr2 Scorpio, Frequency, Special ♦                           |
| 5           | 900-41             | 8           | Retainer, Tube, 5/16" (Used As Spacer) ♦  | 26          |                    | 1           | Bracket, Shipping, ▲                                        |
| 6           | 363-3236           | 8           | Hex Nut, 5/16                             | 27          |                    | 2           | Screw, Tap, #6 ▲                                            |
| 7           | 89-7786            | 1           | Pcb Assy., Buf, Back Plane                | 28          |                    | 1           | Bracket, Terminal, Scorpio ▲                                |
| 8           |                    | 10          | Washer, Lock, #8 ▲                        | 29          |                    | 1           | Cable Assy. ▲                                               |
| 9           | 360-0498           | 10          | Screw, Machine, 8-32 X 1/4"               | 30          | 89-7682            | 1           | Pcb Assy., Lcm/Sensor Interface                             |
| 10          |                    | 1           | Heat Sink ▲                               | 31          | 363-2638           | 3           | Fuse, .5 Amp                                                |
| 11          |                    | 2           | Spacer, #8-32, Male/Female ▲              | 32          | 89-7979            | 1           | Xfmr Assy., Isolation (W/Cables)                            |
| 12          |                    | 2           | Hex Nut, #8-32 ▲                          | 33          |                    | 1           | Plate, Mounting, Back ▲                                     |
| 13          | 360-0285           | 1           | Screw, Machine, 6-32 X 3/8                | 34          | 118-0538SK         | 1           | Joslyn Surge Protector W/Nut (Replaces Older Model)         |
| 14          | MOD-S4             | 4           | Module Assy., Output ♦                    | 35          | 89-8001            | 1           | Emi Filter Assy. (W/Cables)                                 |
| 15          | 89-7711            | 1           | Module Assy., Pump                        | 36          | 102-0647           | 1           | Transformer Assy., Svc.                                     |
| 16          | 363-1553           | 1           | Lug, Grounding                            | 37          |                    | 1           | Power Supply Metal Base ▲                                   |
| 17          |                    | 2           | Washer, Lock, 1/4" ▲                      | 38          |                    | 1           | Power Supply Metal Cover ▲                                  |
| 18          |                    | 1           | Screw, Machine, 1/4-20 X 1/2" ▲           | 39          | 102-0651           | 1           | Circuit Breaker, 4.0 Amp                                    |
| 19          | 89-7394            | 1           | Lock, Module                              | 40          | 363-3216           | 1           | Terminal Block, Socket                                      |
| 20          | 363-1752           | 2           | Screw, Machine, #10-32                    | 41          | 102-0650           | 1           | Fuse, 3.2 Amp, Slow-Blow (10-Pack)                          |
| 21          |                    | 1           | Cable Assy., Power Supply ▲               | 42          | 102-0648           | 1           | Slide Switch 115/230V                                       |
| 22          | 89-7771            | 1           | Cable Assy., Output                       | 43          | 102-0649           | 1           | Fuse Holder W/Cap                                           |
| 23          | 102-0655           | 1           | Antenna, 450-475 Mhz, W/Bnc Connector ♦   | 44          | 102-0666           | 1           | On/Off Switch                                               |
| 24          |                    | 1           | Cable Assy., Antenna ▲                    |             | 89-7789            |             | Back Plate Assy., Dr2 (Includes Items 2, 3, 7, & 10-29) ● ■ |
| 25          | DR2-00-01          | 1           | Dr2 Scorpio, Frequency 1 ♦                |             |                    |             |                                                             |
| 25          | DR2-00-02          | 1           | Dr2 Scorpio, Frequency 2 ♦                |             |                    |             |                                                             |
| 25          | DR2-00-03          | 1           | Dr2 Scorpio, Frequency 3 ♦                |             |                    |             |                                                             |

● SERVICE ITEMS

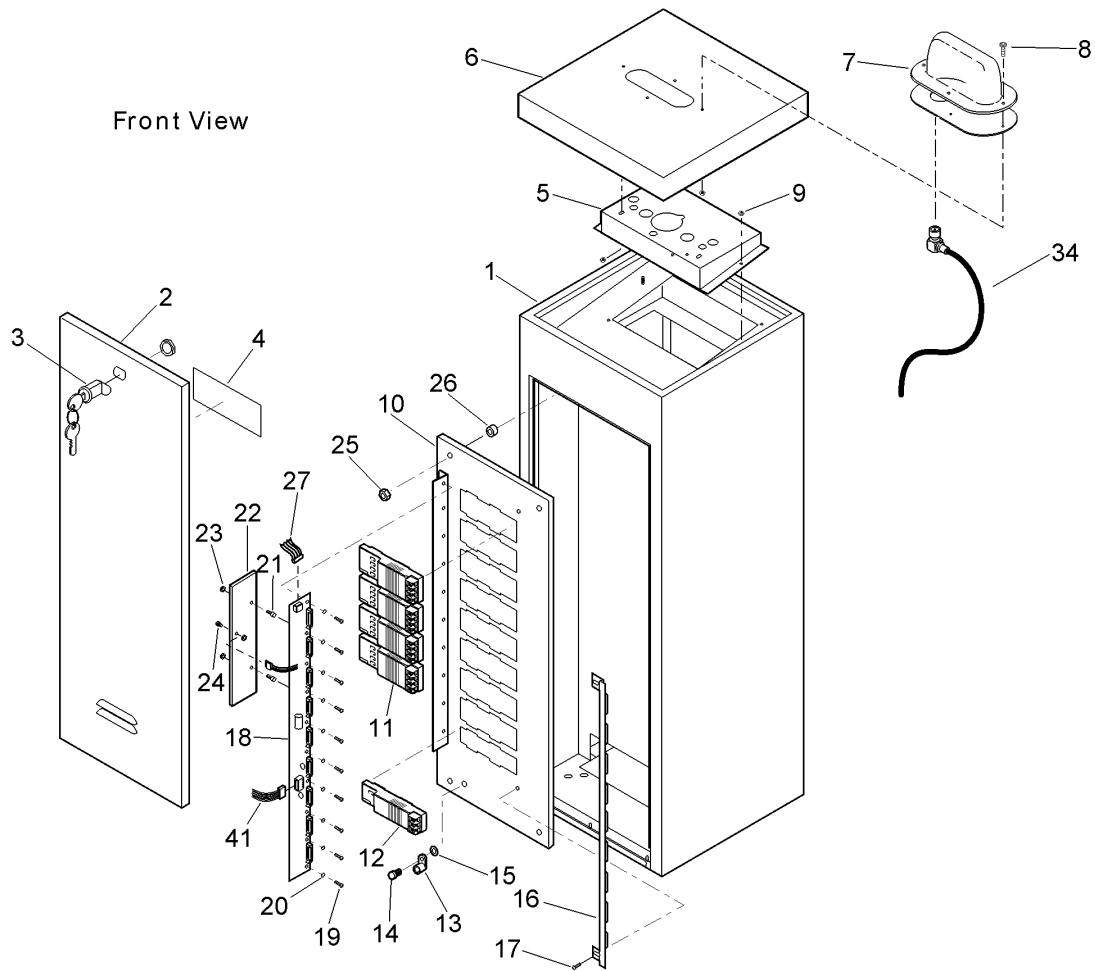
▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

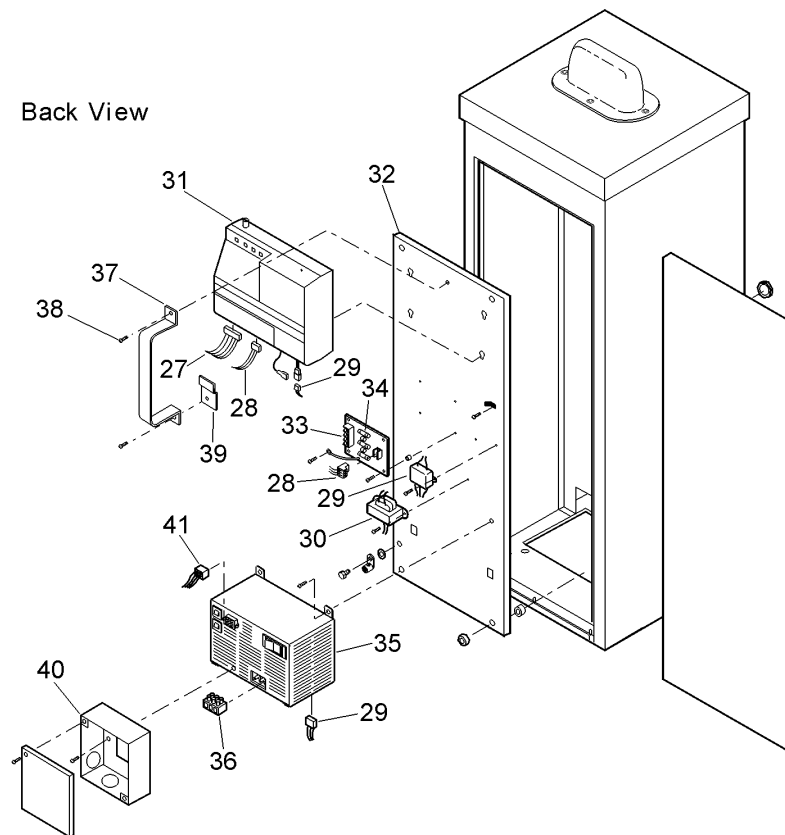
■ Not illustrated

# Network DR2 Satellite (Early Model)

Front View



Back View





## Network DR2 Satellite (Early Model) (continued)

| Ref. | Part Number | Qty. | Description                               | Ref. | Part Number | Qty. | Description                                              |
|------|-------------|------|-------------------------------------------|------|-------------|------|----------------------------------------------------------|
| 1    |             | 1    | Cabinet Assy., Pedestal, 13" X 13" ♦      | 28   |             | 1    | Cable Assy. ♦                                            |
| 2    | 89-7842     | 2    | Door Assy. (Includes Item 3)              | 29   | 89-8001     | 1    | Emi Filter Assy. (W/Cables) ▲                            |
| 2    | 89-7846     | 2    | Door Assy., Sst (Includes Item 3)         | 30   | 89-7979     | 1    | Xfmr Assy., Isolation (W/Cables) ▲                       |
| 3    | 363-5369    | 2    | Lock Assy., W/Keys                        | 31   | DR2-00-01   | 1    | Dr2 Scorpio, Frequency 1 □                               |
| 4    | 91-0910     | 2    | Decal, Caution, Removable Door            | 31   | DR2-00-02   | 1    | Dr2 Scorpio, Frequency 2 □                               |
| 5    |             | 1    | Adapter, Pedestal, Lid ♦                  | 31   | DR2-00-03   | 1    | Dr2 Scorpio, Frequency 3 □                               |
| 6    | 89-7793     | 1    | Lid, (Antenna-Mount)                      | 31   | DR2-00-04   | 1    | Dr2 Scorpio, Frequency 4 □                               |
| 6    | 89-7881     | 1    | Lid, Sst (Antenna-Mount)                  | 31   | DR2-00-05   | 1    | Dr2 Scorpio, Frequency 5 □                               |
| 7    |             | 1    | Antenna, Dome, 400-470 Mhz ♦              | 31   | DR2-00-06   | 1    | Dr2 Scorpio, Frequency 6 □                               |
| 8    |             | 4    | Screw, Machine, #10-32 X 5/8" ♦           | 31   | DR2-00-AA   | 1    | Dr2 Scorpio, Frequency, Special □                        |
| 9    |             | 8    | Hex Nut, 10-32 W/Ext. Tooth Lock Washer ♦ | 32   | 89-7750     | 1    | Plate, Power Supply, Mounting                            |
| 10   |             | 1    | Plate, Module, Mounting, 32" ♦            | 33   | 89-7682     | 1    | Pcb Assy., Lcm/Sensor Interface                          |
| 11   | MOD-S4      | 4    | Module Assy., Output □                    | 34   | 363-2638    | 38   | Fuse, .5 Amp                                             |
| 12   | 89-7711     | 1    | Module Assy., Pump                        | 35   |             | 1    | Power Supply Assy. (See Power Supply Assembly Section) ♦ |
| 13   | 363-1553    | 1    | Lug, Grounding                            | 36   | 363-3216    | 1    | Terminal Block, Socket                                   |
| 14   |             | 1    | Screw, Machine, 1/4-20 X 1/2" ♦           | 37   |             | 1    | Bracket, Shipping ♦                                      |
| 15   |             | 2    | Washer, Lock, 1/4" ♦                      | 38   |             | 2    | Screw, Tap, #6, ♦                                        |
| 16   | 89-7394     | 1    | Lock, Module                              | 39   |             | 1    | Bracket, Terminal, Scorpio ♦                             |
| 17   | 363-1752    | 2    | Screw, Machine, #10-32                    | 40   | 89-7760     |      | Box, Conduit, Mounting                                   |
| 18   | 89-7786     | 1    | Pcb Assy., Buf, Back Plane                | 41   |             |      | Cable Assy., Power Supply ♦                              |
| 19   | 360-0498    | 10   | Screw, Machine, 8-32 X 1/4"               |      | 360-0565    |      | Key ●■                                                   |
| 20   |             | 10   | Washer, Lock, #8 ♦                        |      | 89-7775     |      | Lid Assy., Ped., Sst W/ Antenna (Includes Items 6-8) ●■  |
| 21   |             | 2    | Spacer, #8-32, M/F ♦                      |      | 89-7880     |      | Lid, Pedestal (Non-Antenna) ●■                           |
| 22   |             | 1    | Heat Sink ♦                               |      | 89-7882     |      | Lid, Pedestal, Sst (Non-Antenna) ●■                      |
| 23   |             | 2    | Hex Nut, #8-32 ♦                          |      | 89-7789     |      | Back Plate Assy., Dr2 (Includes Items 10-24) ●■          |
| 24   | 360-0285    | 1    | Screw, Machine, 6-32 X 3/8                |      |             |      |                                                          |
| 25   | 363-3236    | 8    | Hex Nut, 5/16                             |      |             |      |                                                          |
| 26   | 900-41      | 8    | Retainer, Tube, 5/16" (Used As Spacer) □  |      |             |      |                                                          |
| 27   | 89-7771     | 1    | Cable Assy., Output                       |      |             |      |                                                          |

● SERVICE ITEMS

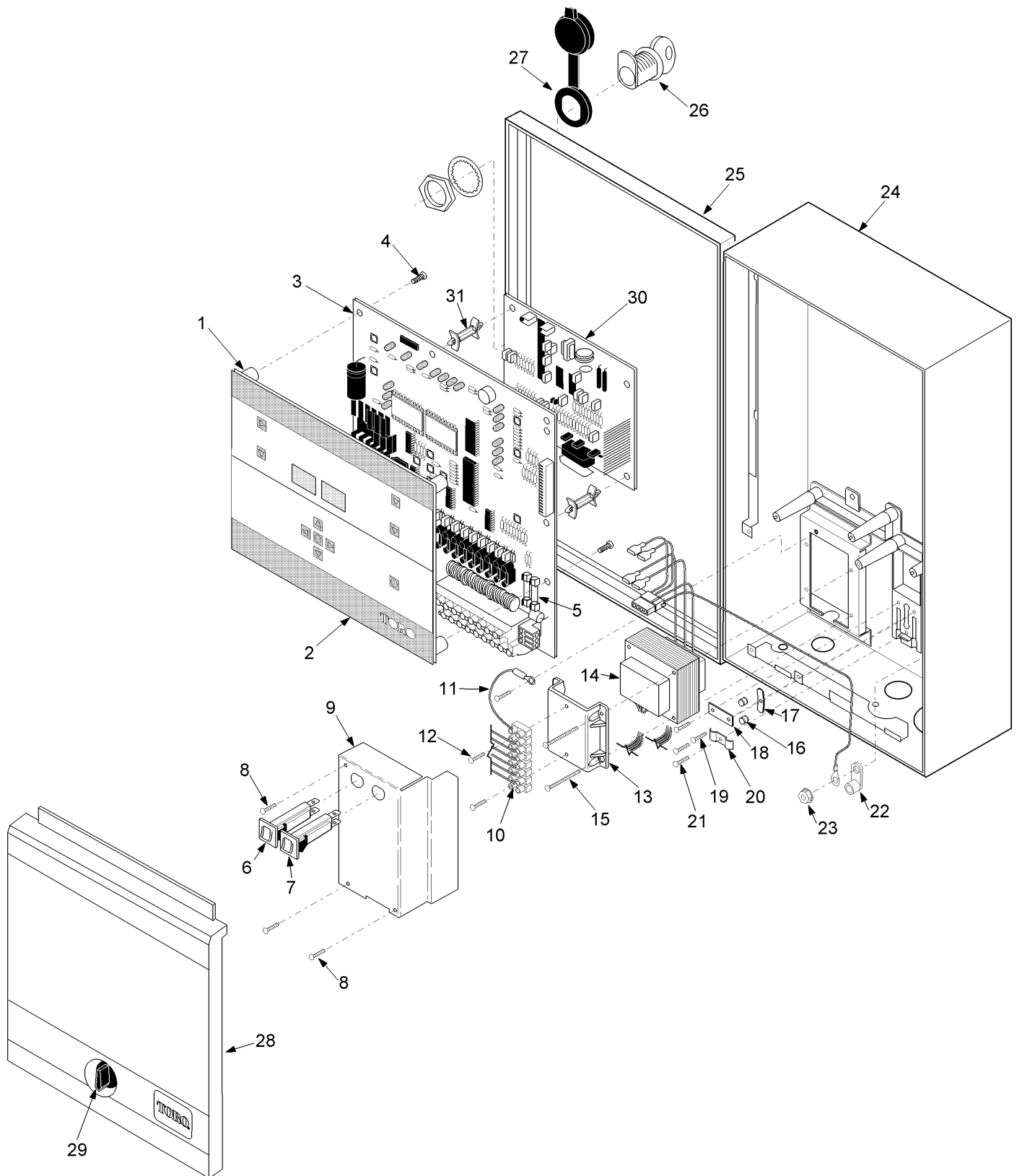
▲ (Includes Cables)

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

♦ Not serviced separately

# Network LTC 1.0 Satellite - Wall Mount Cabinet



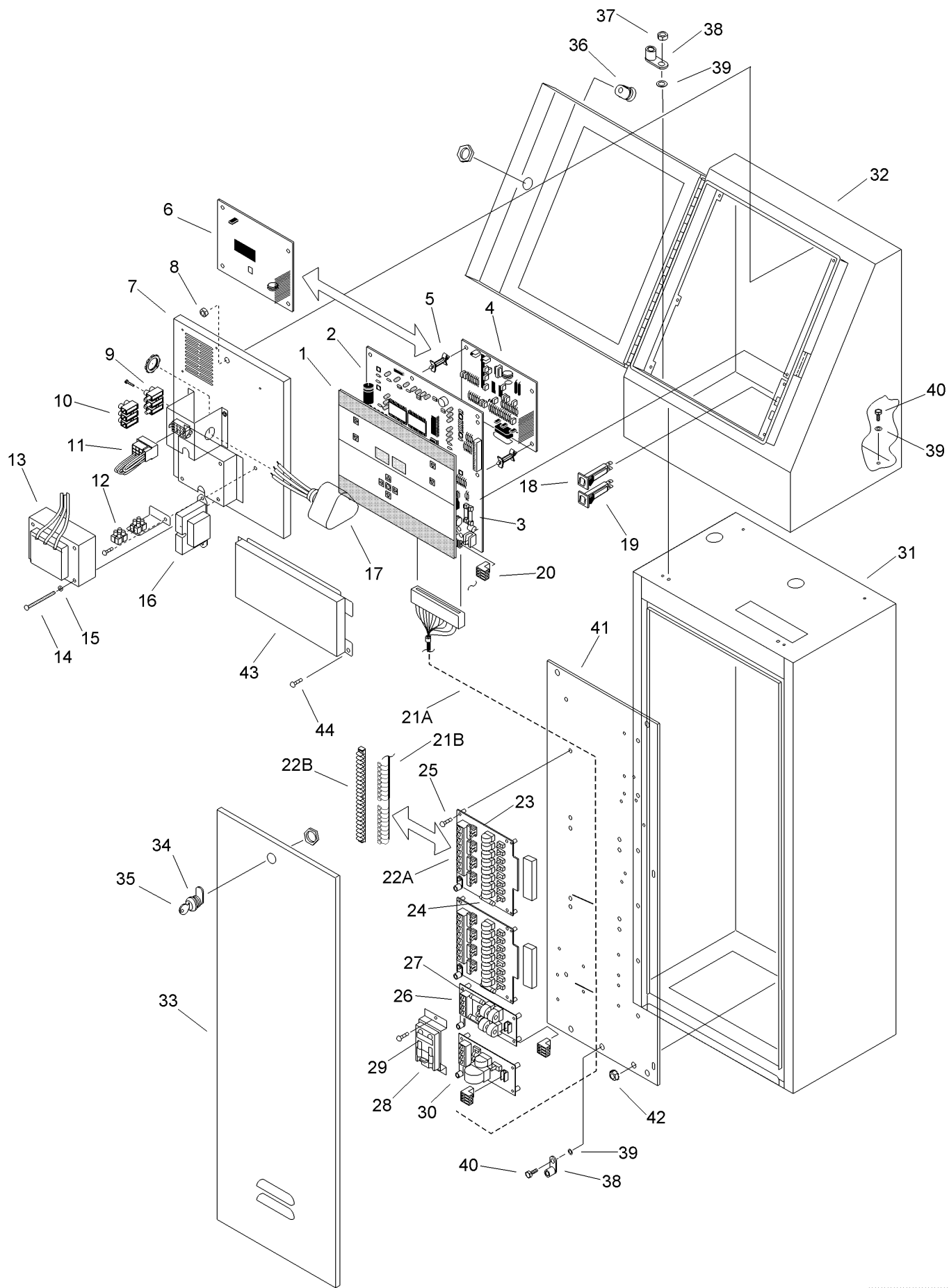
## Network LTC 1.0 Satellite - Wall Mount Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                     |
|-------------|--------------------|-------------|--------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------|
| 1           | 91-0547            | 1           | Front Plate Assy.              | 21          | 363-5255           | 1           | Screw, Machine, #6-32                                                  |
| 2           | 91-0784            | 1           | Overlay, Ltc                   | 22          | 363-1553           | 1           | Lug, Grounding                                                         |
| 3           | 91-0545            | 1           | Pcb Assy., Ltc                 | 23          | 360-0594           | 1           | Nut-Hex                                                                |
| 4           | 363-1355           | 5           | Screw, Tap, #6                 | 24          |                    | 1           | Cabinet Assy. ▲                                                        |
| 5           | 363-2638           | 2           | Fuse, .5 Amp                   | 25          |                    | 1           | Door Assy. ▲                                                           |
| 6           | 363-5271           | 1           | Circuit Breaker, 0.75A         | 26          | 363-1414           | 1           | Lock                                                                   |
| 7           | 363-5270           | 1           | Circuit Breaker, 4.0A          | 27          | 9-4303             | 1           | Cover, Lock                                                            |
| 8           | 4-1063             | 3           | Screw, Tap, #6                 | 28          | 91-0782            | 1           | Cover, Terminal                                                        |
| 9           |                    | 1           | Cover, Transformer ▲           | 29          | 363-2351           | 1           | Latch, Pawl                                                            |
| 10          | 363-5219           | 1           | Terminal Block, 8-Position     | 30          | 91-0777            | 1           | Pcb Assy., Modem                                                       |
| 11          | 91-1005            | 1           | Wire Assy., Green/Yellow       | 30          | 91-1046            | 1           | Pcb Assy., Vt Adapter                                                  |
| 12          | 363-2033           | 2           | Screw, Hi-Lo, #4-24            | 31          | 363-2437           | 4           | Standoff                                                               |
| 13          | 91-1030            | 1           | Mount, Terminal Block          |             | 91-0786            |             | Switch Actuator ■●                                                     |
| 14          | 91-0919            | 1           | Transformer Assy.              |             | 360-0565           |             | Keys, 2 W/ Ring (Golf #1382) ■●                                        |
| 15          | 363-3103           | 2           | Screw, Tap, #6-19 X 3/4, Phph  |             | 91-1331            |             | Kit, Modem (Includes Items 30 & 31) ■●                                 |
| 16          | 360-0471           | 2           | Surge Protector                |             | 91-1200            |             | Kit, Vt Adapter (Includes Transformer And Installation Accessories) ■● |
| 17          | 91-0790            | 1           | Term. Plate, Contact           |             | 91-1213            |             | Kit, Vt Adapter Transformer, Service ■●                                |
| 18          | 35-7524            | 1           | Strap                          |             |                    |             |                                                                        |
| 19          | 363-2431           | 2           | Screw, #6 X 1/2, Hi-Lo W/Clamp |             |                    |             |                                                                        |
| 20          | 363-2271           | 1           | Clamp, Cable                   |             |                    |             |                                                                        |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network LTC Satellite 1.0 - Taper-top Cabinet



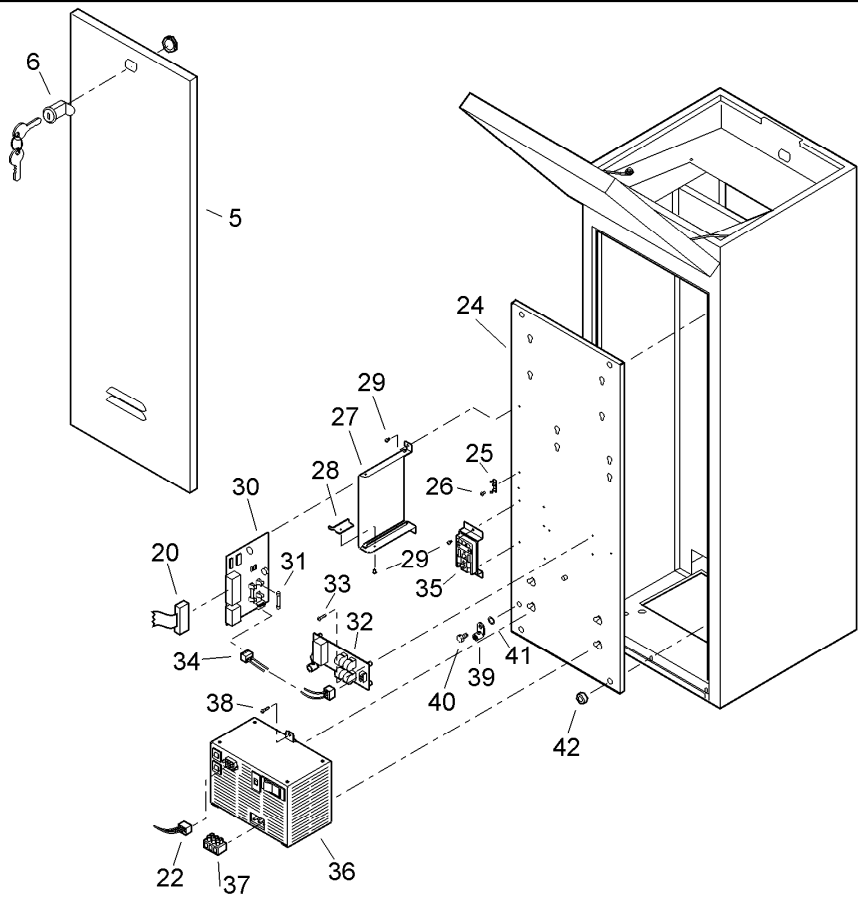
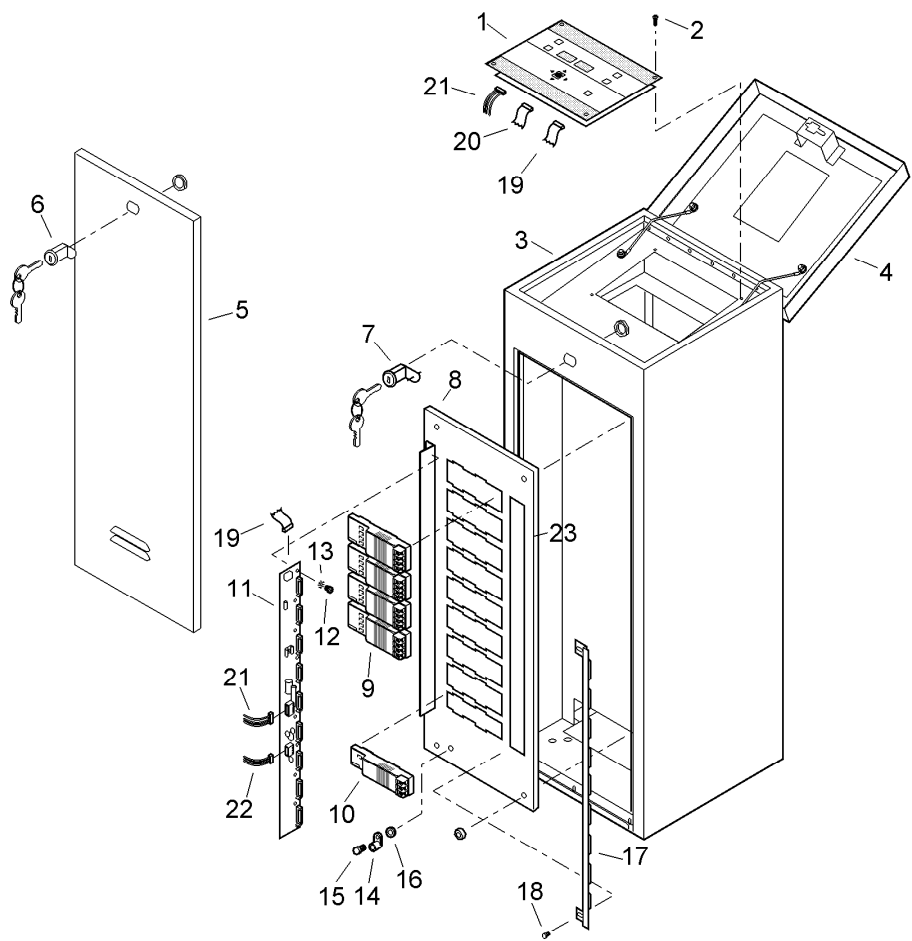
# Network LTC Satellite 1.0 - Taper-top Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                               |
|-------------|--------------------|-------------|-----------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------|
| 1           | 91-1591            | 1           | Front Panel Assy., Tm                         | 31          | 91-1587            | 1           | Cabinet, 30" Galvanized<br>(Includes Items 33-35)                |
| 2           | 91-2337            | 1           | Pcb Assy., Tm                                 | 31          |                    | 1           | Cabinet, 30" Sst (See<br>Service Item 89-7486) ▲                 |
| 3           | 363-2638           | 2           | Fuse, Fast Blow, 0.5 Amp                      | 32          | 91-1586            | 1           | Cabinet, Taper Top,<br>Galvanized (Includes Items<br>35 & 36)    |
| 4           | 91-1331            | 1           | Pcb Assy., Ltc Modem                          | 32          |                    | 1           | Cabinet, Taper Top, Sst<br>(See Service Item 89-7486)<br>▲       |
| 5           | 363-2437           | 4           | Standoff, Dual Locking                        | 33          |                    | 1           | Door, Cabinet, 30"<br>Galvanized (See Service<br>Item 89-7485) ▲ |
| 6           | 91-1046            | 1           | Pcb Assy., Vt Adapter                         | 33          |                    | 1           | Door, Cabinet, 30" Sst (See<br>Service Item 89-7486) ▲           |
| 7           |                    | 1           | Backplate, Upper ▲                            | 34          | 363-5369           | 1           | Lock Assy., W/Keys, Door<br>(Includes Item 35)                   |
| 8           | 363-1752           | 1           | Nut, Hex, Locking                             | 35          | 360-0565           | 1           | Keys, Two W/ Ring (Golf<br>#1382)                                |
| 9           | 363-3215           | 1           | Terminal Block, Plug,<br>3-Position           | 36          |                    | 1           | Lock Assy W/ Keys, Cabinet,<br>Taper Top (Includes Item 35)<br>▲ |
| 10          | 363-3216           | 1           | Terminal Block, Socket,<br>3-Position         | 37          | 360-0594           | 1           | Nut, 1/4-20                                                      |
| 11          |                    | 4           | Power Connector ▲                             | 38          | 363-1553           | 2           | Lug, Grounding                                                   |
| 12          | 363-3230           | 1           | Terminal Block, Plug,<br>2-Position           | 39          | 363-1623           | 6           | Washer, Lock                                                     |
| 13          | 91-1636            | 1           | Transformer                                   | 40          | 360-0595           | 4           | Screw, Machine, 1/4-20 X<br>1/2"                                 |
| 14          | 363-3205           | 4           | Screw, #8-32 X 1.5"                           | 41          | 91-1441            | 1           | Mounting Plate, Rear                                             |
| 15          | 360-0600           | 4           | Washer, Lock, Ext T                           | 42          | 363-3236           | 4           | Hex Nut, 5/16"                                                   |
| 16          | 363-1740           | 1           | Transformer (Vt)                              | 43          |                    | 1           | Cover, Access ▲                                                  |
| 17          | 363-3202           | 1           | Surge Protector                               | 44          | 1-3076             | 2           | Screw, Machine                                                   |
| 18          | 363-5271           | 1           | Circuit Breaker, 0.75 Amp                     |             | 91-1593            |             | Timing Mechanism Assy.<br>(Includes Items 1-3) ●■                |
| 19          | 363-5270           | 1           | Circuit Breaker, 4.0 Amp                      |             | 89-7485            |             | Cabinet Assy., Galvanized<br>(Includes Items 31-40) ●■           |
| 20          | 363-2231           | 1           | Connector, 3-Pin, Female                      |             | 89-7486            |             | Cabinet Assy., Sst (Includes<br>Items 31-40) ●■                  |
| 21A         | 91-1641            | 1           | Cable Assy., Surge                            |             |                    |             |                                                                  |
| 21B         | 91-1639            | 1           | Cable Assy., Non-Surge                        |             |                    |             |                                                                  |
| 22A         | 91-1957            | 2           | Pcb, Surge Protection,<br>8-Station           |             |                    |             |                                                                  |
| 22B         | 363-3200           | 1           | Terminal Block, 20-Position                   |             |                    |             |                                                                  |
| 23          | 360-0471           | 16          | Surge Protector (Pill)                        |             |                    |             |                                                                  |
| 24          | 363-1222           | 2           | Fuse, 3 Amp, Slow-Blow                        |             |                    |             |                                                                  |
| 25          | 363-5362           | 16          | Screw, Tap                                    |             |                    |             |                                                                  |
| 26          | 91-1307            | 1           | Pcb Assy., Surge Protection,<br>Communication |             |                    |             |                                                                  |
| 27          | 363-2638           | 2           | Fuse, Fast Blow, 0.5 Amp                      |             |                    |             |                                                                  |
| 28          | 35-8833            | 1           | Bracket Assembly,<br>Communication            |             |                    |             |                                                                  |
| 29          | 360-0471           | 2           | Surge Protector (Pill)                        |             |                    |             |                                                                  |
| 30          | 91-1305            | 1           | Pcb Assy., Surge Protection,<br>Pump/Com      |             |                    |             |                                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network LTC Satellite 2.0 - Metal Cabinet (1 of 3)



# Network LTC Satellite 2.0 - Metal Cabinet (1 of 3) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                       |
|-------------|--------------------|-------------|-------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------------------------|
| 1           | 89-7708            | 1           | Timing Mechanism Assy., Ltc 2.0                 | 30          | 89-7680            | 1           | Modem Assy., Ltc/Vt Adapter, 2.0                                                         |
| 2           | 360-0285           | 4           | Screw, Machine, 6-32 X 3/8                      | 31          | 102-3819           | 2           | Fuse, 0.75 Amp (10-Pack)                                                                 |
| 3           | 89-7983            | 1           | Pedestal Assy. 13 X 13 Sst (Includes Items 3-8) | 32          | 91-1307            | 1           | Pcb Assy., Surge Protection, Communication                                               |
| 4           |                    | 1           | Lid Assy., Pedestal (See Item 89-7983) ▲        | 33          | 363-5362           | 4           | Screw, Tap, #6                                                                           |
| 5           |                    | 2           | Door Assy., Pedestal (See Item 89-7983) ▲       | 34          | 91-1405            | 1           | Cable Assy., Comm.                                                                       |
| 6           | 363-5369           | 2           | Lock Assy., Door                                | 35          | 35-8833            | 1           | Bracket Assembly, Com Cable                                                              |
| 7           | 9-1695             | 1           | Lock Assy., Lid                                 | 36          |                    | 1           | Power Supply (See Power Supply Assembly Section) ▲                                       |
| 8           | 89-6730            | 1           | Back Plate, Module                              | 37          | 363-3216           | 1           | Terminal Block, Socket                                                                   |
| 9           | MOD-S4             | 4           | Module Assy., Output ♦                          | 38          |                    | 1           | Screw, Tap, 10-32 X 3/8" ▲                                                               |
| 10          | 89-7711            | 1           | Module Assy., Pump                              | 39          | 363-1553           | 1           | Lug, Grounding                                                                           |
| 11          | 89-7710            | 1           | Back Plane Pcb Assy.                            | 40          |                    | 1           | Screw, Machine, 1/4-20 X 1/2" ▲                                                          |
| 12          | 360-0498           | 10          | Screw, Machine, 8-32 X 1/4"                     | 41          |                    | 1           | Washer, Lock, Internal Tooth, 1/4" ▲                                                     |
| 13          |                    | 10          | Washer, Lock, #8 ▲                              | 42          |                    | 8           | Nut, 5/16-20 ▲                                                                           |
| 14          | 363-1553           | 1           | Lug, Grounding                                  |             | 360-0565           |             | Keys, Two W/ Ring (Golf #1382) ●■                                                        |
| 15          |                    | 1           | Screw, Machine, 1/4-20 X 1/2" ▲                 |             | 89-7701            |             | Modem Assy., Universal, Service ■●                                                       |
| 16          |                    | 1           | Washer, Lock, Internal Tooth, 1/4" ▲            |             | 89-7709            |             | Back Plate Assy. W/ Output Modules (Includes Items 8-18) ●■                              |
| 17          | 89-7394            | 1           | Lock, Module                                    |             | 89-7705            |             | Back Plate Assy. W/Power Supply (Includes Items 24-42) ●■                                |
| 18          |                    | 2           | Screw, Machine, 10-32 ▲                         |             | 363-2200           |             | Battery, 3.9V ■●                                                                         |
| 19          | 89-7706            | 1           | Cable Assy., Output Module                      |             | 89-7172            |             | Eprom Rev. 2.5 ■●                                                                        |
| 20          | 35-6328            | 1           | Cable Assy., Modem                              |             | 89-8118            |             | 2.5 Upgrade Kit (Includes 2.5 Eprom, Installation Instructions, And Faceplate Decal) ♦■● |
| 21          | 89-7707            | 1           | Cable Assy., Power To Tm                        |             |                    |             |                                                                                          |
| 22          | 89-7335            | 1           | Cable Assy., Power Supply                       |             |                    |             |                                                                                          |
| 23          | 35-6394            | 1           | Label, Station                                  |             |                    |             |                                                                                          |
| 24          | 89-6944            | 1           | Back Plate, Power Supply                        |             |                    |             |                                                                                          |
| 25          | 35-7288            | 1           | Clip, Grounding                                 |             |                    |             |                                                                                          |
| 26          | 1-3082             | 1           | Screw, Machine, #4-40 X 1/2", Electric          |             |                    |             |                                                                                          |
| 27          | 35-8570            | 1           | Bracket, Modem                                  |             |                    |             |                                                                                          |
| 28          | 35-8704            | 1           | Bracket, Retainer, Lower                        |             |                    |             |                                                                                          |
| 29          | 363-5072           | 5           | Screw, Tap, #6                                  |             |                    |             |                                                                                          |
| 30          | 89-7852            | 1           | Modem Assy., Standard (Includes Item 31)        |             |                    |             |                                                                                          |

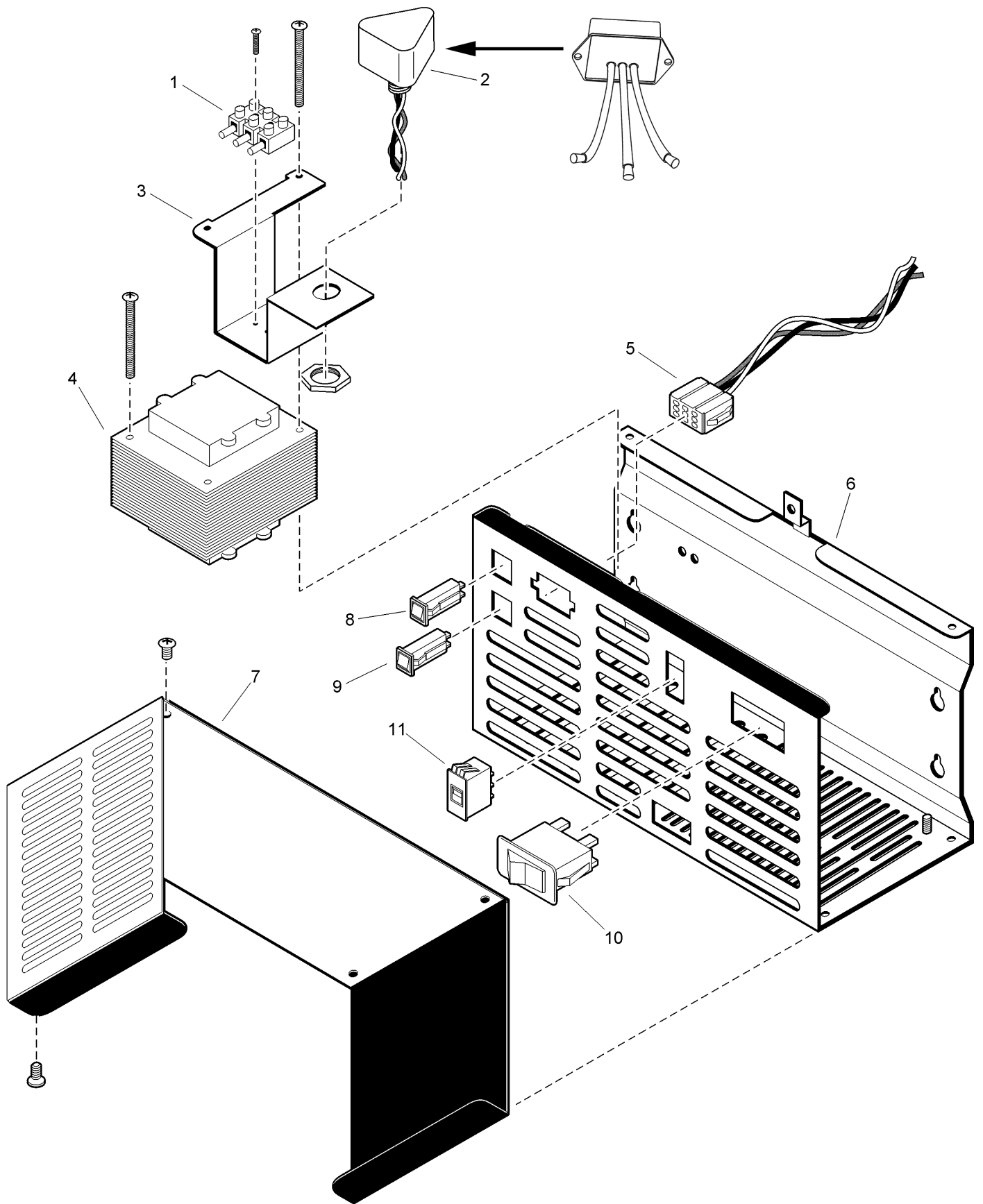
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

## Network LTC Sat. 2.0, Network DR2 PS Assy (3 of 3)





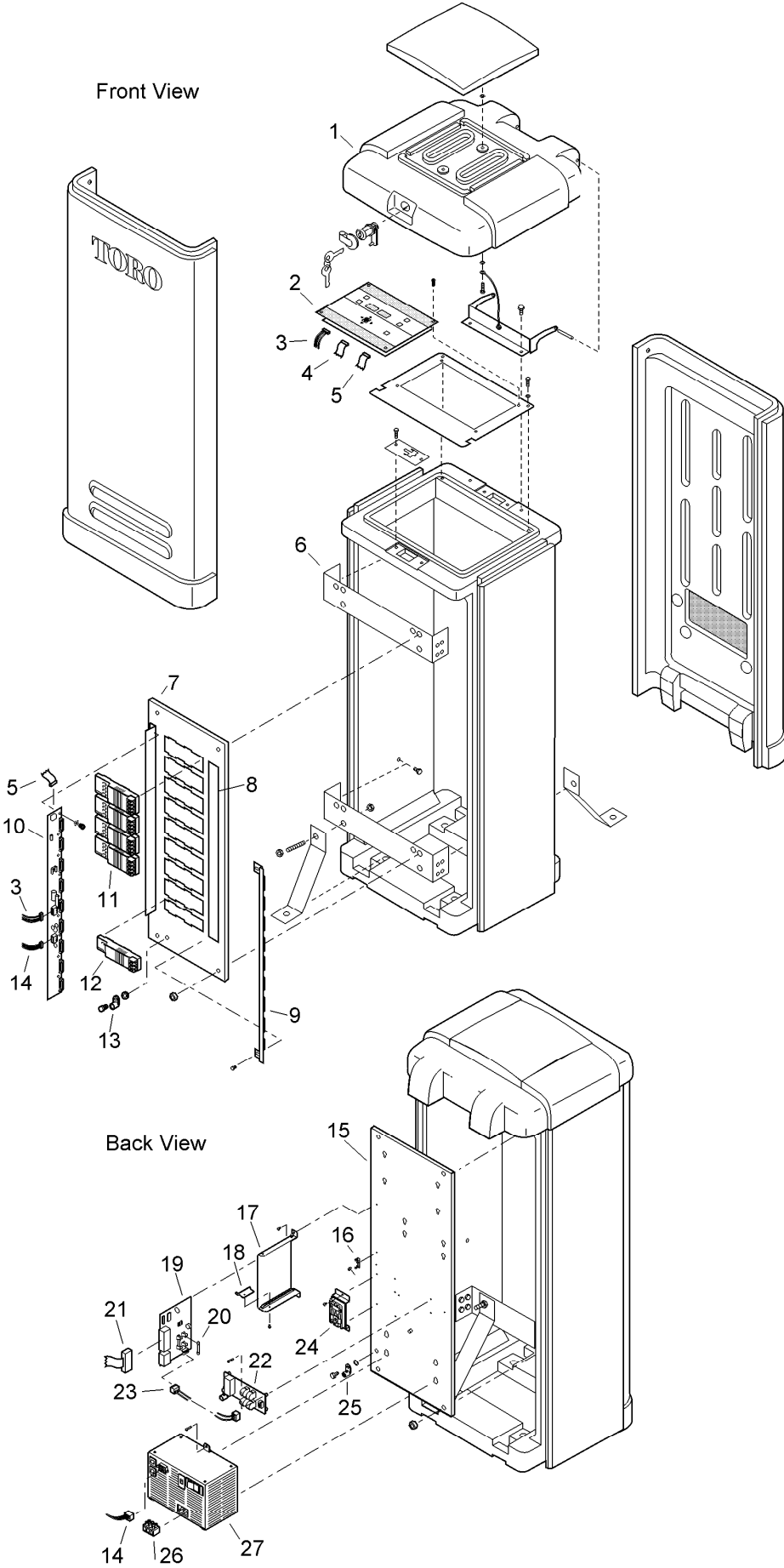
## Network LTC Sat. 2.0, Network DR2 PS Assy (3 of 3) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                        |
|-------------|--------------------|-------------|----------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------|
| 1           | 363-3215           | 1           | Terminal Block, Plug, 3-Position       | 9           | 363-5270           | 1           | Circuit Breaker, 4.0 Amp                                                                  |
| 2           | 118-0589SK         | 1           | Surge Protector (Replaces Older Model) | 10          | 363-3361           | 1           | Switch, Circuit Breaker, 1.5A                                                             |
| 3           |                    | 1           | Bracket, Surge ▲                       | 11          | 102-0648           | 1           | Slide Switch 115/230V A.C. Selection (Ltc Only)                                           |
| 4           | 89-7334            | 1           | Transformer Assembly, Ltc 2.0          |             | 89-7702            |             | Power Supply Assy., Svc., Ltc 2.0 (Includes Items 1-11) ● ■                               |
| 4           | 89-7767            | 1           | Transformer Assembly, Dr2              |             | 89-7766            |             | Power Supply Assy., Svc., Network Dr2 (Early Production Models) (Includes Items 1-10) ● ■ |
| 5           |                    | 1           | Socket, 9-Pin ▲                        |             |                    |             |                                                                                           |
| 6           |                    | 1           | Case, Power Supply ▲                   |             |                    |             |                                                                                           |
| 7           |                    | 1           | Cover, Power Supply ▲                  |             |                    |             |                                                                                           |
| 8           | 363-3467           | 1           | Circuit Breaker, 2.0 Amp               |             |                    |             |                                                                                           |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Network LTC Satellite 2.0 - Plastic Cabinet (2 of 3)



## Network LTC Satellite 2.0 - Plastic Cabinet (2 of 3) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                   |
|-------------|--------------------|-------------|---------------------------------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------------------------|
| 1           |                    | 1           | Satellite Plastic Pedestal & Components (See Satellite Plastic Pedestal And Components Section) ▲ | 18          | 35-8704            | 1           | Bracket, Retainer, Lower                                                             |
| 2           | 89-7708            | 1           | Timing Mechanism Assy., Ltc 2.0                                                                   | 19          | 89-7852            | 1           | Modem Assy., Standard, Service                                                       |
| 3           | 89-7707            | 1           | Cable Assy., Power To Tm                                                                          | 20          | 102-3819           | 2           | Fuse, 0.75 Amp (10-Pack)                                                             |
| 4           | 35-6328            | 1           | Cable Assy., Modem                                                                                | 21          | 35-6328            | 1           | Cable Assy., Modem                                                                   |
| 5           | 89-7057            | 1           | Cable Assy., Output Module                                                                        | 22          | 91-1307            | 1           | Pcb Assy., Surge Protection, Communication                                           |
| 6           |                    | 2           | Bracket ▲                                                                                         | 23          | 91-1405            | 1           | Cable Assy., Comm.                                                                   |
| 7           | 89-6730            | 1           | Back Plate, Module                                                                                | 24          | 35-8833            | 1           | Bracket Assembly, Com Cable                                                          |
| 8           | 35-6394            | 1           | Label, Station                                                                                    | 25          | 363-1553           | 1           | Lug, Grounding                                                                       |
| 9           | 89-7394            | 1           | Lock, Module                                                                                      | 26          | 363-3216           | 1           | Terminal Block, Socket                                                               |
| 10          | 89-7710            | 1           | Back Plane Pcb Assy.                                                                              | 27          |                    | 1           | Power Supply Assy. (See Power Supply Assembly Section) ▲                             |
| 11          | MOD-S4             |             | Module Assy., Output ♦                                                                            |             |                    |             |                                                                                      |
| 12          | 89-7711            | 1           | Module Assy., Pump                                                                                |             | 363-2200           |             | Battery, 3.9 Volt, Lithium ■●                                                        |
| 13          | 363-1553           | 1           | Lug, Grounding                                                                                    |             | 89-7172            |             | Eprom Rev. 2.5 ■●                                                                    |
| 14          | 89-7335            | 1           | Cable Assy., Power Supply                                                                         |             | 89-8118            |             | 2.5 Upgrade Kit (Includes Eprom, Installation Instructions, And Faceplate Decal) ♦■● |
| 15          | 89-6944            | 1           | Back Plate, Power Supply                                                                          |             |                    |             |                                                                                      |
| 16          | 35-7288            | 1           | Clip, Ground                                                                                      |             |                    |             |                                                                                      |
| 17          | 35-8570            | 1           | Bracket, Modem                                                                                    |             |                    |             |                                                                                      |

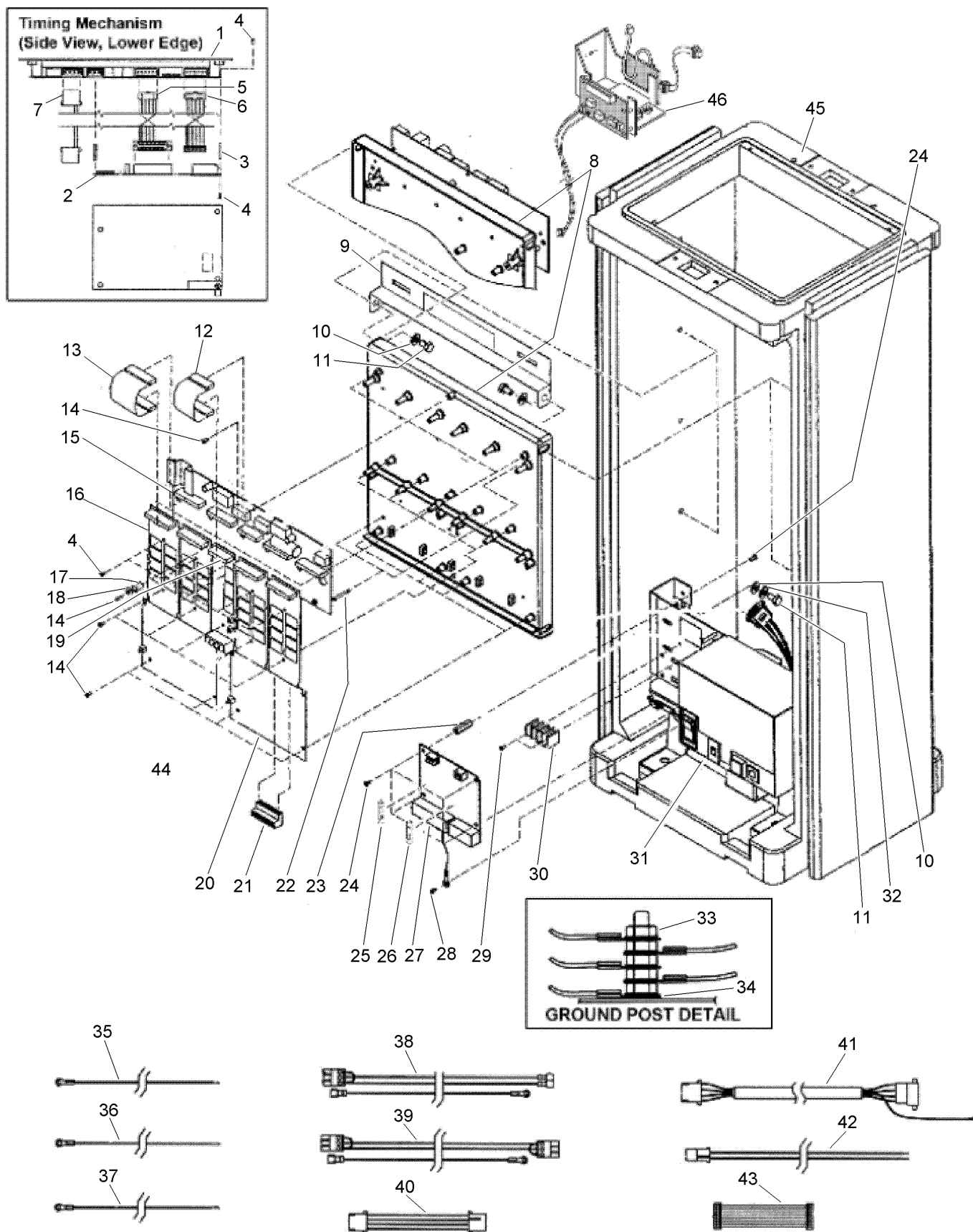
● SERVICE ITEMS

▲ Not serviced separately

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

# Network LTC Plus Sat. - Internal Components



# Network LTC Plus Sat. - Internal Components (continued)

| Ref. | Part Number | Qty. | Description                                                             | Ref. | Part Number | Qty. | Description                                                                             |
|------|-------------|------|-------------------------------------------------------------------------|------|-------------|------|-----------------------------------------------------------------------------------------|
| 1    | 102-0794    | 1    | Timing Mechanism Assembly (Includes Items 1, 3, 4 & 6) ●                | 32   | 363-1623    | 4    | Washer, Lock                                                                            |
| 2    | 89-9026     | 1    | Modem, Standard (Includes Items 2-5) ●                                  | 33   |             | 5    | Hex Nut, #8-32 W/External Tooth Lock Washer ▲                                           |
| 3    |             | 4    | Standoff, Hex 1/4" X 1.5" ▲                                             | 34   | 360-0600    | 1    | Washer, Lock, Ext T                                                                     |
| 4    | 1-3078      | 4    | Screw, Machine, #6-32 X 1/4"                                            | 35   |             |      | Wire Assy., Ground, 14 Awg X 8" (See Service Item 89-9049) ▲                            |
| 5    | 89-9043     | 1    | Cable Assy., Ribbon, Timing Mechanism To Modem                          | 36   |             | 1    | Wire Assy., Ground, 14 Awg X 10.5" (See Service Item 89-9049) ▲                         |
| 6    | 89-9042     | 1    | Cable Assy., Ribbon, Timing Mechanism To Distribution Board             | 37   |             | 1    | Wire Assy., Ground, 14 Awg X 13" (See Service Item 89-9049) ▲                           |
| 7    | 89-9041     | 1    | Cable Assy., 2-Wire, Timing Mechanism Power                             | 38   |             | 1    | Cable Assy., Modem To Terminal Block (See Service Item 89-9044) ▲                       |
| 8    | 89-9027     | 2    | Frame, Black Plastic Assy. (Includes Item 22)                           | 39   |             | 1    | Cable Assy., Modem To Surge Board (See Service Item 89-9044) ▲                          |
| 9    |             | 1    | Bracket, Reinforce (Plastic Cabinet Models Only) ▲                      | 40   | 89-9045     | 1    | Cable Assy., 4-Wire Jumper                                                              |
| 10   | 360-0140    | 4    | Washer-Flat                                                             | 41   | 89-9046     | 1    | Cable Assy., 4-Wire, Shielded                                                           |
| 11   | 360-0595    | 8    | Screw, Machine, 1/4-20 X 1/2"                                           | 42   | 89-9047     | 1    | Cable Assy., 2-Wire, Pump/Com Board To Surge Board                                      |
| 12   | 102-0803    | 1    | Cable Assy., Ribbon, 12-Pin (Pump/Common To Distribution)               | 43   | 89-9048     | 1    | Cable Assy., Ribbon, Jumper                                                             |
| 13   | 102-0802    | 4    | Cable Assy., Ribbon, 16-Pin (8-Station Output To Distribution)          | 44   | 102-5940SK  |      | Kit, Station Labels, Numbered, Plastic ◆                                                |
| 14   | 363-1355    |      | Screw, Tap, #6 ◆                                                        | 45   |             | 1    | Satellite Plastic Pedestal (See Satellite Plastic Pedestal Section) ▲                   |
| 15   | 102-0793    | 1    | Parallel Distribution Board (Includes Item 14) ●                        | 46   |             | 1    | Radio Assembly (See Network Ltc Plus Radio Assembly Section) ▲                          |
| 16   | 102-0796    | 1    | Output Module, 8-Station Svc. (Includes Items 4, 13, & 14) ◆ ● □        |      | 89-9027     |      | Frame, Black Plastic Assy. (Includes Item 22) ● ■                                       |
| 17   |             | 2    | Retainer ▲                                                              |      | 89-9033     |      | 16-Station Output Board W/O Surge Pills Or Switches (Includes Item 14) □ ● ■            |
| 18   | 363-5083    | 2    | Washer, Brass                                                           |      | 89-9034     |      | 16-Station Output Board W/Switches (Includes Item 14) □ ● ■                             |
| 19   | 102-0795    | 1    | Pump/Com Module Svc. (Includes Items 12, 14, 17, 18, & 19) ● □          |      | 89-9035     |      | 16-Station Output Board W/Surge Pills (Includes Item 14) □ ● ■                          |
| 20   |             |      | 16-Station Output Board (See Services Items 89-9033 To 89-9039) ▲       |      | 89-9036     |      | 16-Station Output Board W/Surge Pills Or Switches (Includes Item 14) □ ● ■              |
| 21   | 89-9032     |      | Connector, Terminal Block, 8-Station ◆                                  |      | 89-9044     |      | Cable Assy. Svc., Surge To Modem & Surge To Terminal Block (Includes Items 37 & 38) ● ■ |
| 22   | 363-3587    | 2    | Screw, Tap, #8 X 1.5"                                                   |      |             |      |                                                                                         |
| 23   | 363-3603    | 4    | Standoff, Hex, 5/16" X 1"                                               |      |             |      |                                                                                         |
| 24   | 360-0285    | 8    | Screw, Machine, 6-32 X 3/8                                              |      |             |      |                                                                                         |
| 25   | 363-2638    | 4    | Fuse, 0.5 Amp, 250V ●                                                   |      |             |      |                                                                                         |
| 26   | 363-2635    | 4    | Fuse, 7.5 Amp, 250V ●                                                   |      |             |      |                                                                                         |
| 27   | 118-1448SK  | 1    | Pump/Common/Communication Surge Board (Includes Items 23, 24, & 27) □ ● |      |             |      |                                                                                         |
| 28   | 360-0136    | 1    | Screw, Tap, #8                                                          |      |             |      |                                                                                         |
| 29   | 4-1063      | 2    | Screw, Tap, #6                                                          |      |             |      |                                                                                         |
| 30   | 363-3574    | 1    | Terminal Block, 2-Position                                              |      |             |      |                                                                                         |
| 31   | 102-0645    | 1    | Power Supply Assy. (See Power Supply Assembly.)                         |      |             |      |                                                                                         |

● SERVICE ITEMS

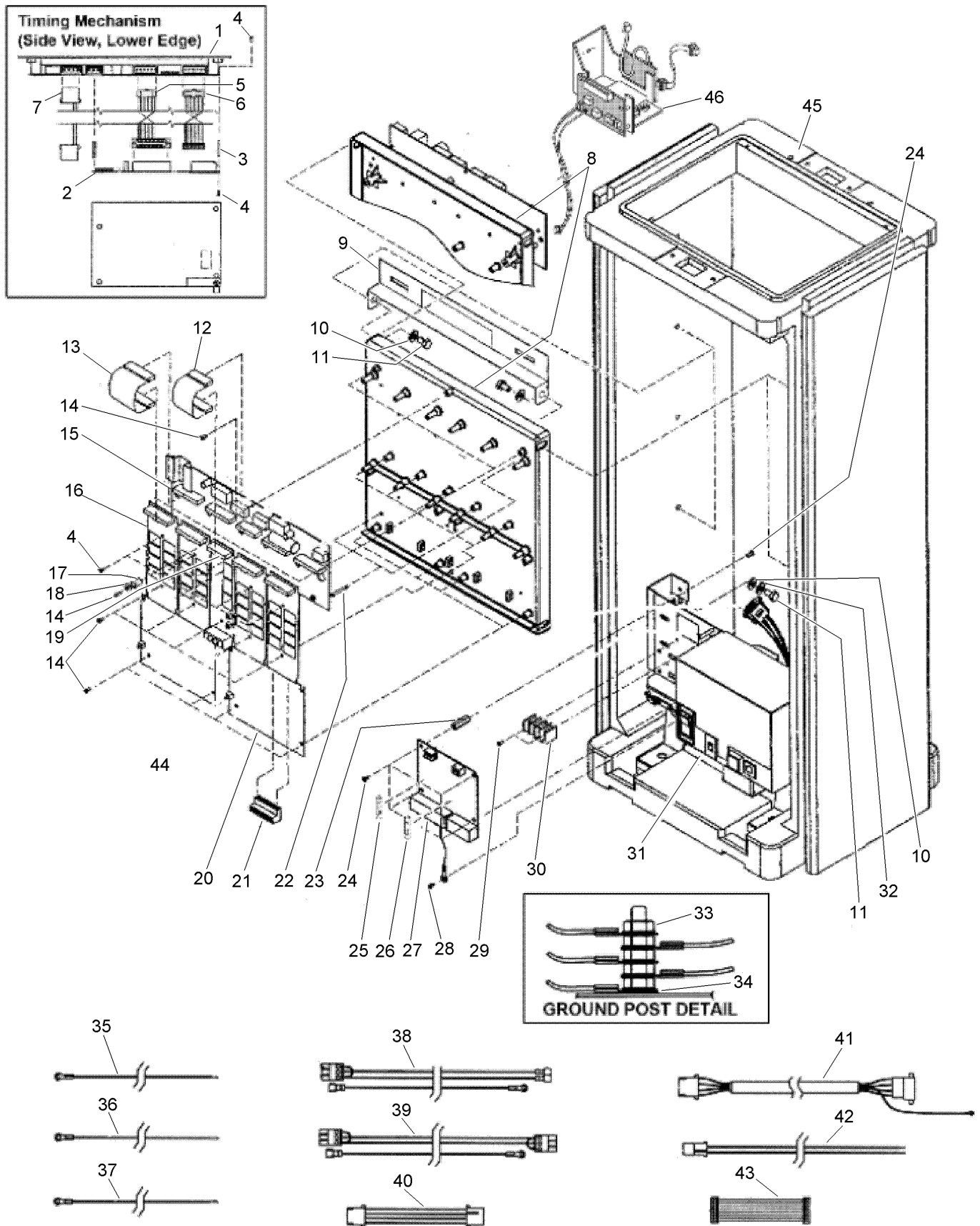
▲ Not serviced separately

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

◆ Quantity Varies With Model

# Network LTC Plus Sat. - Internal Components (continued)

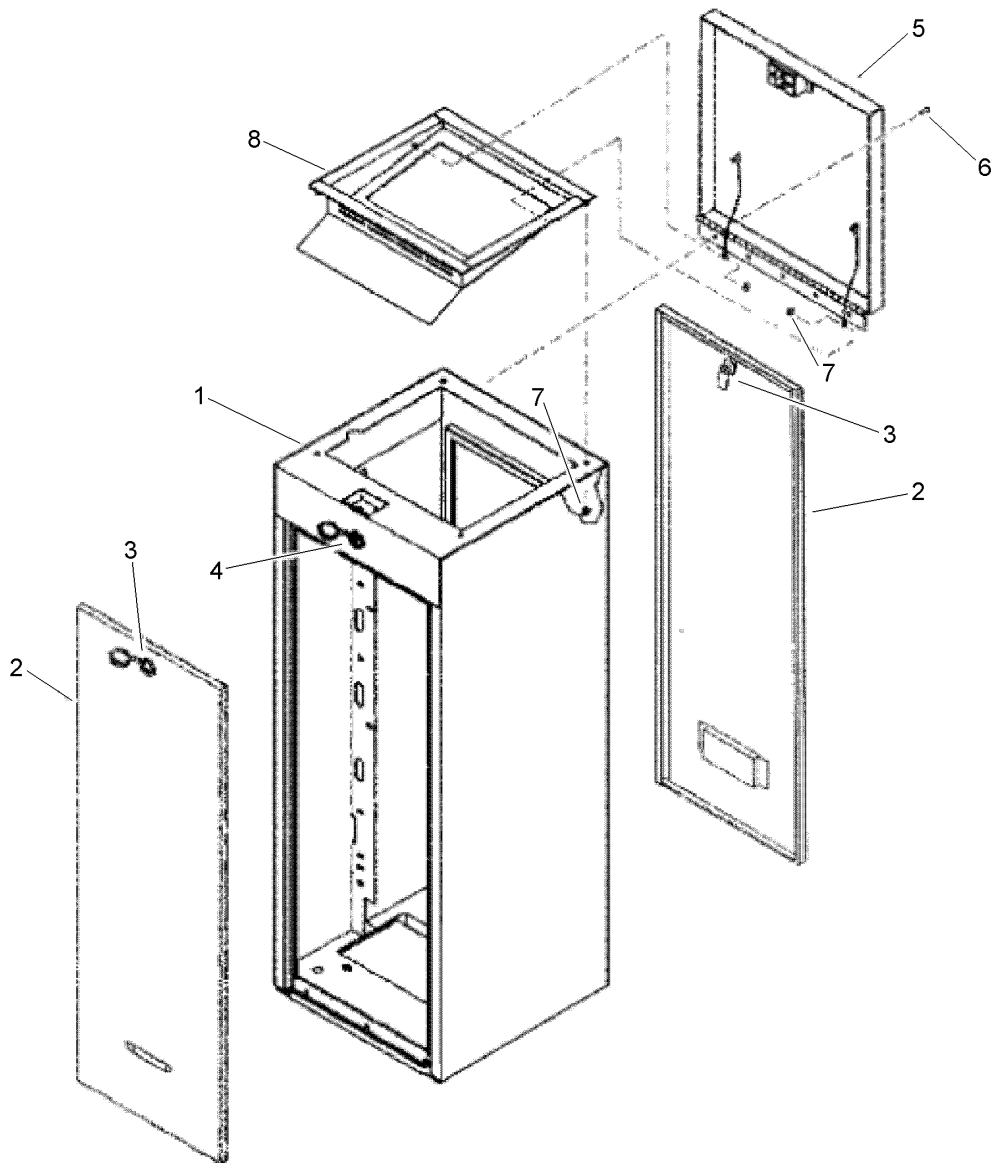


# Network LTC Plus Sat. - Internal Components (continued)

- SERVICE ITEMS
- ▲ Not serviced separately
- Order Through Finished Goods Distribution System - Minneapolis

- Not illustrated
- ◆ Quantity Varies With Model

# Network LTC Plus Satellite 4.0, Metal Cabinet





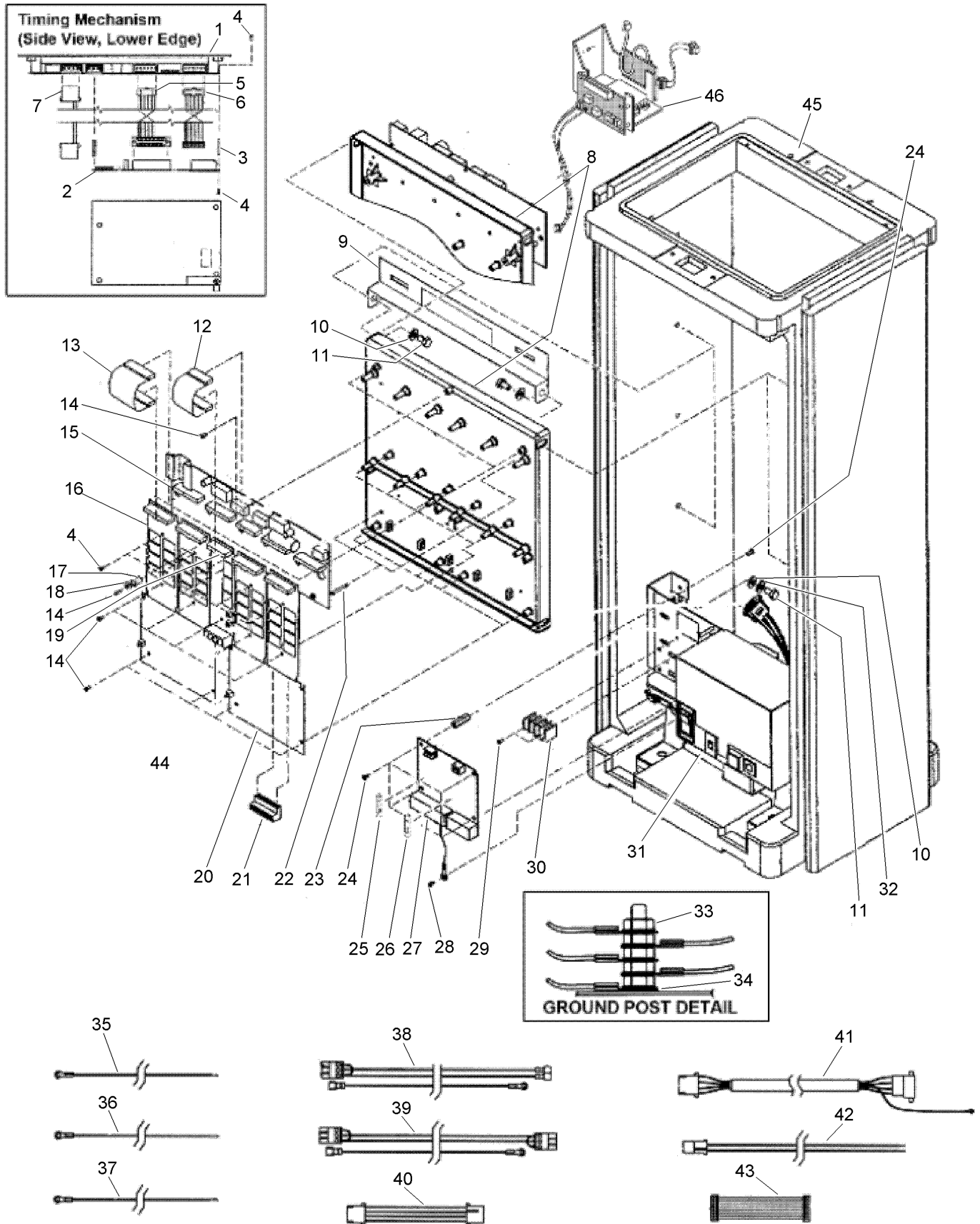
## Network LTC Plus Satellite 4.0, Metal Cabinet (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------|
| 1           | 102-0702           | 1           | Base, Pedestal Green, Sst W/Lock Assy, Svc. (Includes Item 4, Cover & Keys) ● | 5           | 102-0703           | 1           | Cover, Pedestal Green, Sst                                   |
| 2           | 102-0704           | 2           | Door, Pedestal, Green, Sst, Service (Includes Item 3, Lock Cover & Keys) ●    | 6           | 363-3438           | 5           | Screw, #10-32 X 3/4", Sst                                    |
| 3           | 102-0714           | 2           | Lock Kit, Door, And Keys, Service ●                                           | 7           | 363-1752           | 4           | Hex Nut, #10-32, Sst                                         |
| 4           | 102-0705           | 2           | Lock Kit, Cover And Keys, Service ●                                           | 8           | 102-0684           | 1           | Mount, Timing Mechanism, Sst                                 |
|             |                    |             |                                                                               |             | 360-0565           |             | Keys, Two W/ Ring (Golf #1382) ● ■                           |
|             |                    |             |                                                                               |             | 89-8294            |             | Pedestal Assy., Green, Sst, Service (Includes Items 1-7) ● ■ |

● SERVICE ITEMS

■ Not illustrated

# Network LTC Plus Sat. - Internal Components



# Network LTC Plus Sat. - Internal Components (continued)

| Ref. | Part Number | Qty. | Description                                                         | Ref. | Part Number | Qty. | Description                                                                             |
|------|-------------|------|---------------------------------------------------------------------|------|-------------|------|-----------------------------------------------------------------------------------------|
| 1    | 102-0794    | 1    | Timing Mechanism Assembly (Includes Items 1, 3, 4 & 6) ●            | 32   | 363-1623    | 4    | Washer, Lock                                                                            |
| 2    | 89-9026     | 1    | Modem, Standard (Includes Items 2-5) ●                              | 33   |             | 5    | Hex Nut, #8-32 W/External Tooth Lock Washer ▲                                           |
| 3    |             | 4    | Standoff, Hex 1/4" X 1.5" ▲                                         | 34   | 360-0600    | 1    | Washer, Lock, Ext T                                                                     |
| 4    | 1-3078      | 4    | Screw, Machine, #6-32 X 1/4"                                        | 35   |             |      | Wire Assy., Ground, 14 Awg X 8" (See Service Item 89-9049) ▲                            |
| 5    | 89-9043     | 1    | Cable Assy., Ribbon, Timing Mechanism To Modem                      | 36   |             | 1    | Wire Assy., Ground, 14 Awg X 10.5" (See Service Item 89-9049) ▲                         |
| 6    | 89-9042     | 1    | Cable Assy., Ribbon, Timing Mechanism To Distribution Board         | 37   |             | 1    | Wire Assy., Ground, 14 Awg X 13" (See Service Item 89-9049) ▲                           |
| 7    | 89-9041     | 1    | Cable Assy., 2-Wire, Timing Mechanism Power                         | 38   |             | 1    | Cable Assy., Modem To Terminal Block (See Service Item 89-9044) ▲                       |
| 8    | 89-9027     | 2    | Frame, Black Plastic Assy. (Includes Item 22)                       | 39   |             | 1    | Cable Assy., Modem To Surge Board (See Service Item 89-9044) ▲                          |
| 9    |             | 1    | Bracket, Reinforce (Plastic Cabinet Models Only) ▲                  | 40   | 89-9045     | 1    | Cable Assy., 4-Wire Jumper                                                              |
| 10   | 360-0140    | 4    | Washer-Flat                                                         | 41   | 89-9046     | 1    | Cable Assy., 4-Wire, Shielded                                                           |
| 11   | 360-0595    | 8    | Screw, Machine, 1/4-20 X 1/2"                                       | 42   | 89-9047     | 1    | Cable Assy., 2-Wire, Pump/Com Board To Surge Board                                      |
| 12   | 102-0803    | 1    | Cable Assy., Ribbon, 12-Pin (Pump/Common To Distribution)           | 43   | 89-9048     | 1    | Cable Assy., Ribbon, Jumper                                                             |
| 13   | 102-0802    | 4    | Cable Assy., Ribbon, 16-Pin (8-Station Output To Distribution)      | 44   | 102-5940SK  |      | Kit, Station Labels, Numbered, Plastic ◆                                                |
| 14   | 363-1355    |      | Screw, Tap, #6 ◆                                                    | 45   |             | 1    | Satellite Plastic Pedestal (See Satellite Plastic Pedestal Section) ▲                   |
| 15   | 102-0793    | 1    | Parallel Distribution Board (Includes Item 14) ●                    | 46   |             | 1    | Radio Assembly (See Network Ltc Plus Radio Assembly Section) ▲                          |
| 16   | 102-0796    | 1    | Output Module, 8-Station Svc. (Includes Items 4, 13, & 14) ◆ ● □    |      | 89-9027     |      | Frame, Black Plastic Assy. (Includes Item 22) ● ■                                       |
| 17   |             | 2    | Retainer ▲                                                          |      | 89-9033     |      | 16-Station Output Board W/O Surge Pills Or Switches (Includes Item 14) □ ● ■            |
| 18   | 363-5083    | 2    | Washer, Brass                                                       |      | 89-9034     |      | 16-Station Output Board W/Switches (Includes Item 14) □ ● ■                             |
| 19   | 102-0795    | 1    | Pump/Com Module Svc. (Includes Items 12, 14, 17, 18, & 19) ● □      |      | 89-9035     |      | 16-Station Output Board W/Surge Pills (Includes Item 14) □ ● ■                          |
| 20   |             |      | 16-Station Output Board (See Services Items 89-9033 To 89-9039) ▲   |      | 89-9036     |      | 16-Station Output Board W/Surge Pills Or Switches (Includes Item 14) □ ● ■              |
| 21   | 89-9032     |      | Connector, Terminal Block, 8-Station ◆                              |      | 89-9044     |      | Cable Assy. Svc., Surge To Modem & Surge To Terminal Block (Includes Items 37 & 38) ● ■ |
| 22   | 363-3587    | 2    | Screw, Tap, #8 X 1.5"                                               |      |             |      |                                                                                         |
| 23   | 363-3603    | 4    | Standoff, Hex, 5/16" X 1"                                           |      |             |      |                                                                                         |
| 24   | 360-0285    | 8    | Screw, Machine, 6-32 X 3/8                                          |      |             |      |                                                                                         |
| 25   | 363-2638    | 4    | Fuse, 0.5 Amp, 250V ●                                               |      |             |      |                                                                                         |
| 26   | 363-2635    | 4    | Fuse, 7.5 Amp, 250V ●                                               |      |             |      |                                                                                         |
| 27   | 118-1524SK  | 1    | Pump/Common/Communication Surge Board (Includes Items 23, 24, & 27) |      |             |      |                                                                                         |
| 28   | 360-0136    | 1    | Screw, Tap, #8                                                      |      |             |      |                                                                                         |
| 29   | 4-1063      | 2    | Screw, Tap, #6                                                      |      |             |      |                                                                                         |
| 30   | 363-3574    | 1    | Terminal Block, 2-Position                                          |      |             |      |                                                                                         |
| 31   | 102-0645    | 1    | Power Supply Assy. (See Power Supply Assembly.)                     |      |             |      |                                                                                         |

● SERVICE ITEMS

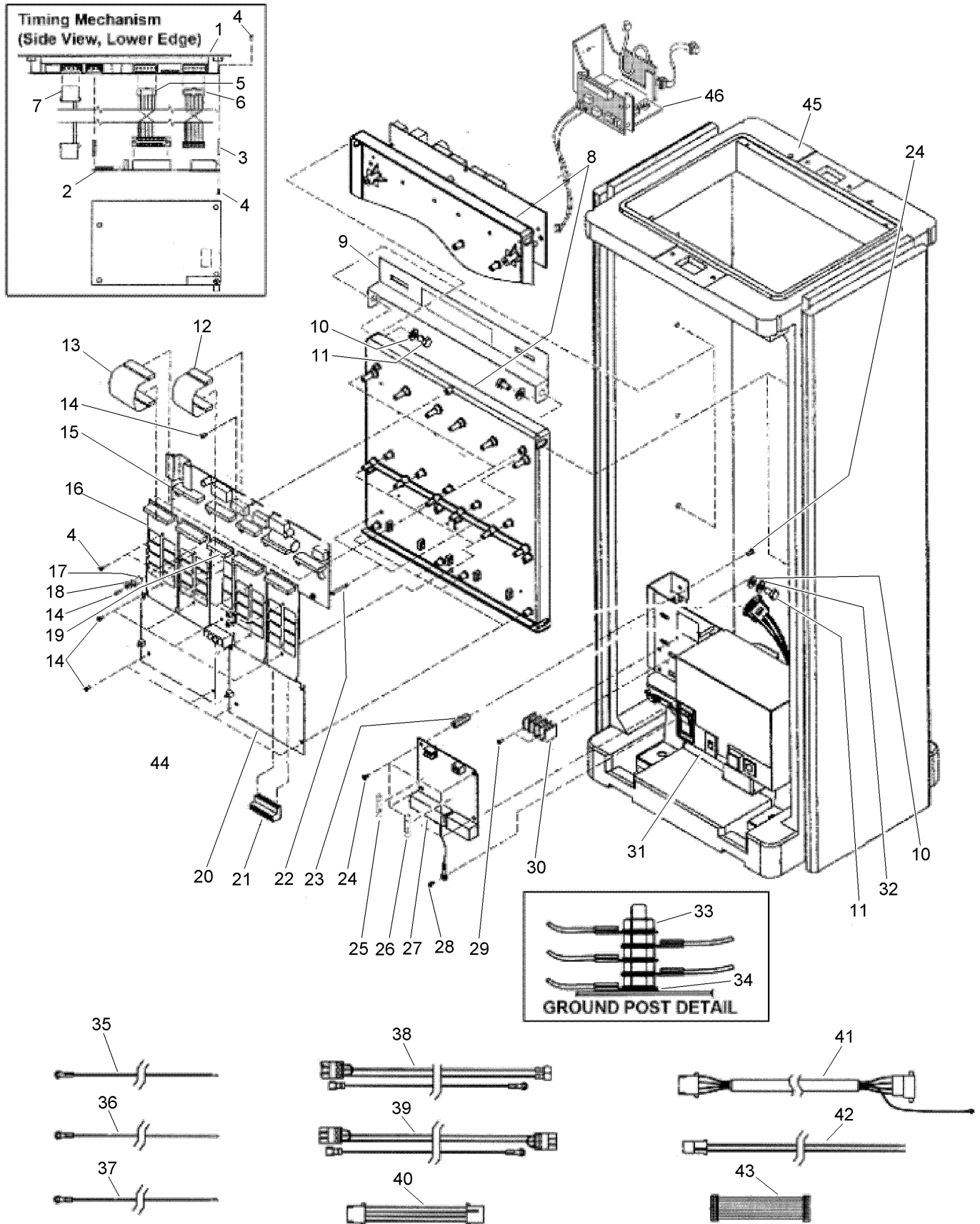
▲ Not serviced separately

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

◆ Quantity Varies With Model

# Network LTC Plus Sat. - Internal Components (continued)

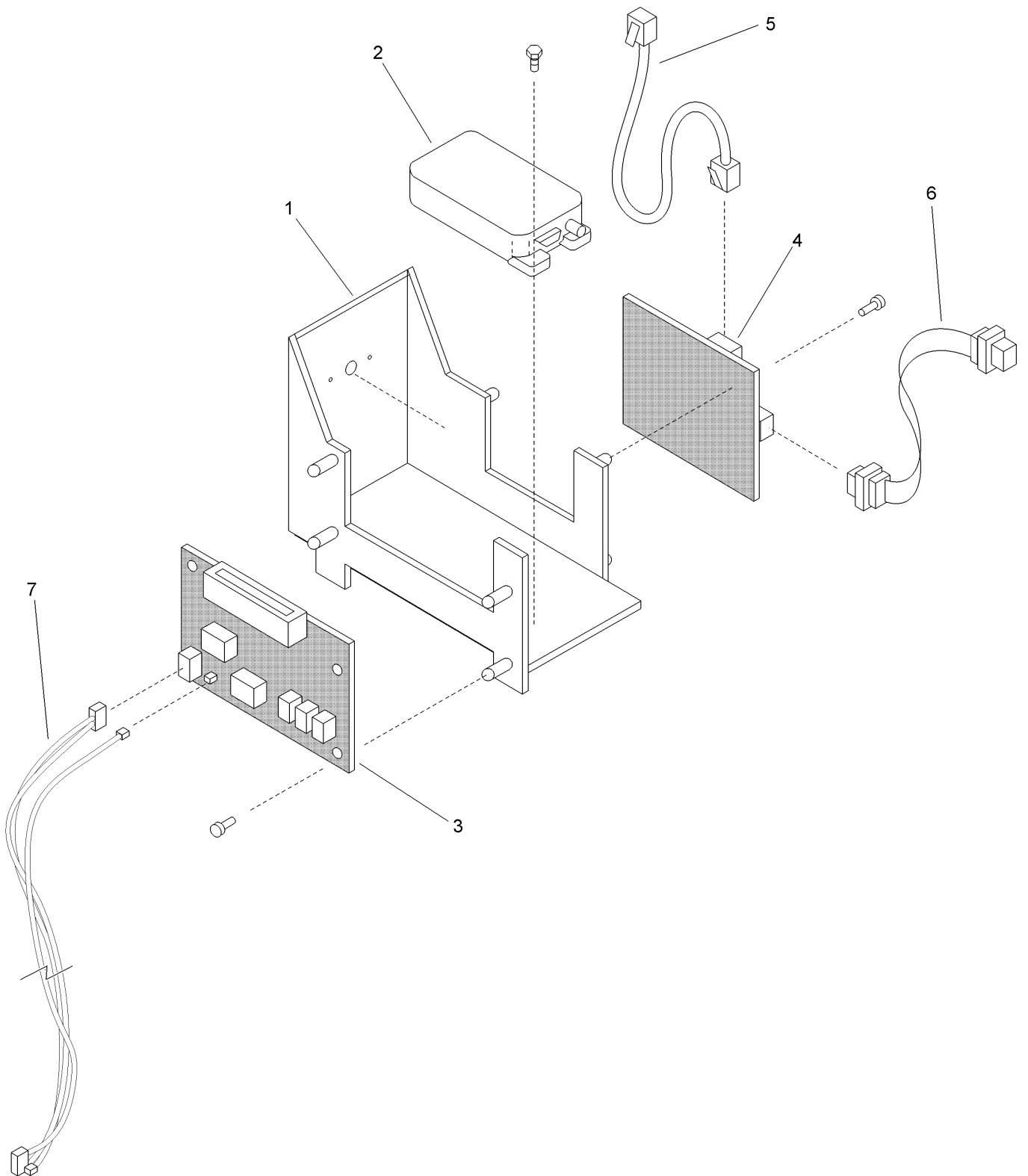


# Network LTC Plus Sat. - Internal Components (continued)

- SERVICE ITEMS
- ▲ Not serviced separately
- Order Through Finished Goods Distribution System - Minneapolis

- Not illustrated
- ◆ Quantity Varies With Model

# Network LTC Plus Radio Assembly



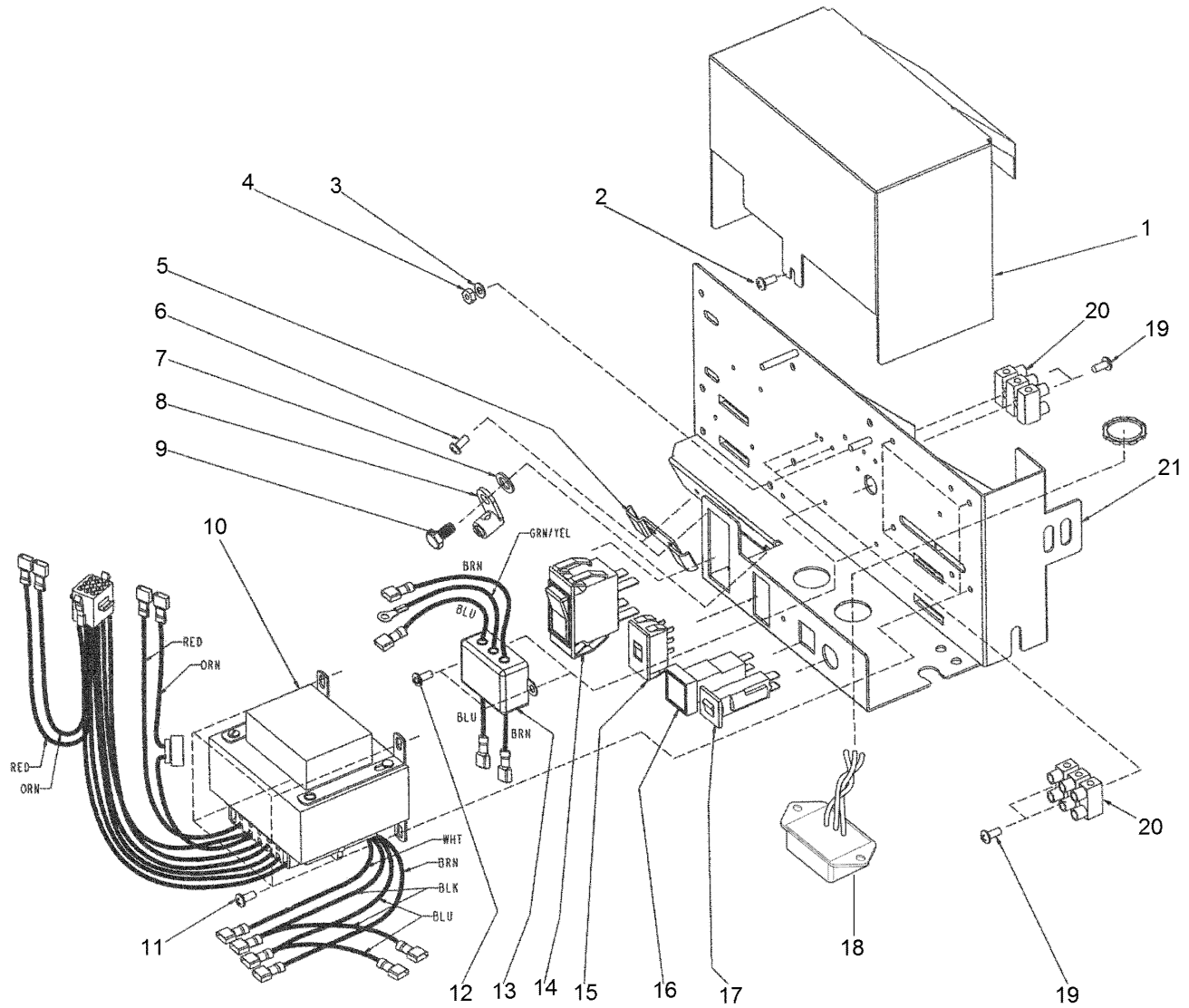
## Network LTC Plus Radio Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    |
|-------------|--------------------|-------------|----------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------|
| 1           |                    | 1           | Bracket, Radio Assy. (Uhf Models Only) ●                 | 5           | 363-3619SK         | 1           | Rj-45 Cable Assy. (Uhf Models Only) ■                 |
| 2           | 363-4638SK         | 1           | Maxon Radio (Uhf Models Only)(See Service Item 363-4638) | 6           | 102-3257SK         | 1           | Db-9 Cable Assy. (Uhf Models Only) ■                  |
| 3           | 89-7701            | 1           | Universal Modem (Uhf Models Only) ■                      | 7           |                    | 1           | Cable Assy., Modem To Surge Board (Uhf Models Only) ● |
| 4           | 102-3125SK         | 1           | Radio Interface Board (Uhf Models Only) ■                |             |                    |             |                                                       |

● Not serviced separately

■ Order Through Finished Goods Distribution System - Minneapolis

# N. LTC Plus, Power Supply, Early Model





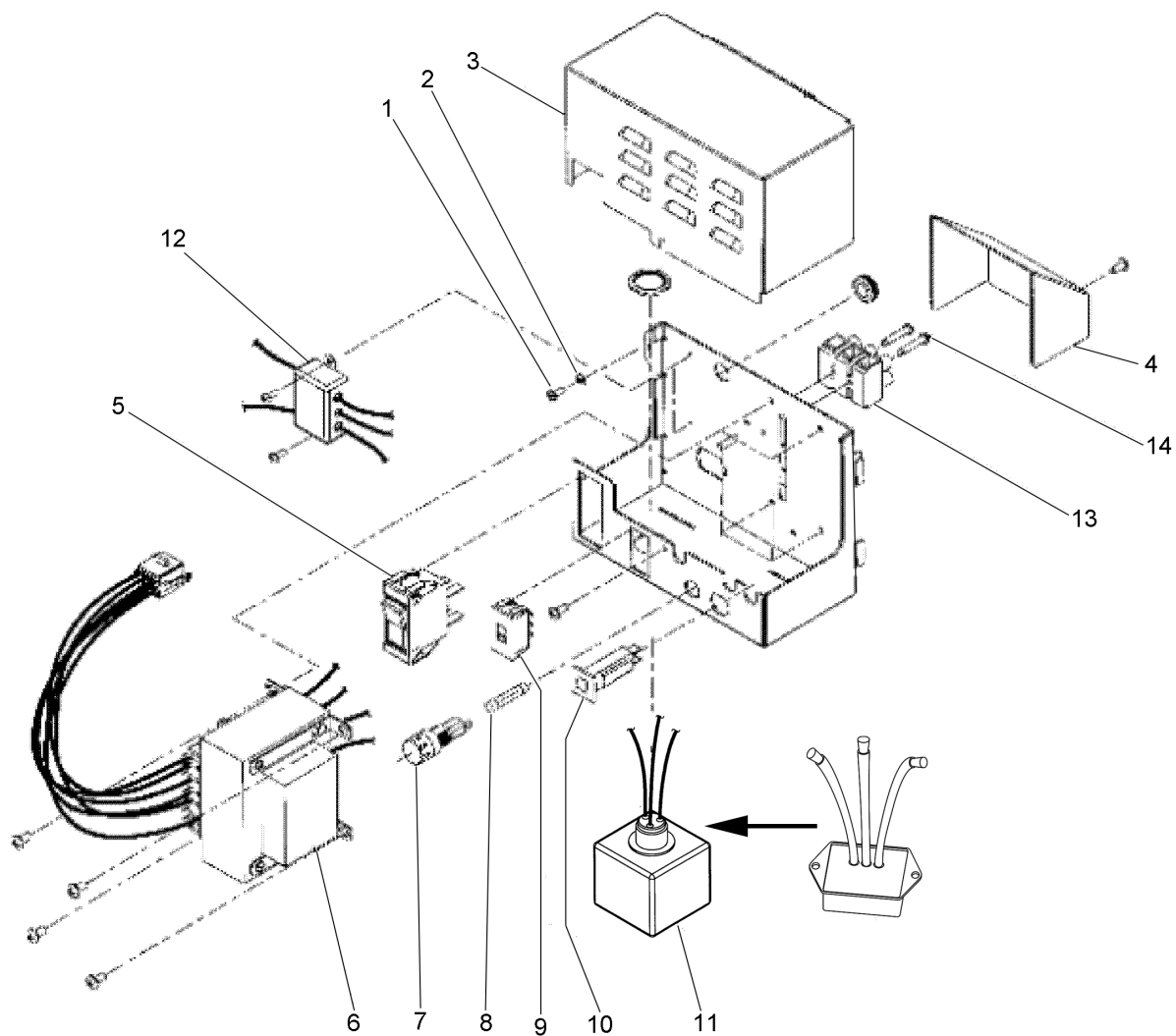
## N. LTC Plus, Power Supply, Early Model (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------|
| 1           | 102-0800           | 1           | Cover, Power Supply, Svc. ●              | 15          | 102-0648           | 1           | Slide Switch 115/230V                                         |
| 2           | 360-0136           | 1           | Screw, Tap, #8                           | 16          | 102-0788           | 1           | 3.2A Fuse Holder Assy.                                        |
| 3           | 360-0600           | 1           | Washer, Lock, Ext T                      | 17          | 102-0651           | 1           | Circuit Breaker, 4.0 Amp                                      |
| 4           |                    | 1           | Nut, Hex, #8-32 ▲                        | 18          | 118-0538SK         | 1           | Toro Transient Filter, Ttf                                    |
| 5           |                    | 1           | Clamp, Com Cable ▲                       | 19          | 360-0297           | 4           | Screw, #6 X 3/4"                                              |
| 6           | 1-6051             | 1           | Screw                                    | 20          | 102-0792           | 2           | Terminal Block, 3-Position, Svc. (Includes Item 19) ●         |
| 7           | 363-1623           | 1           | Washer, Lock                             | 21          | 102-0801           | 1           | Plate, Transformer Mounting, Svc. ●                           |
| 8           | 363-1553           | 1           | Lug, Grounding                           |             | 102-0650           | 10          | Fuse, 3.2 Amp, Slow-Blow (10-Pack) ●■                         |
| 9           | 360-0595           | 1           | Screw, Machine, 1/4-20 X 1/2"            |             | 89-9037            | 1           | Power Supply Assembly, W/O Surge (Includes 1-17 And 19-21) ■● |
| 10          | 102-0791           | 1           | Transformer W/Wire Harness Assy., Svc. ● |             | 89-9038            | 1           | Power Supply Assembly, W/ Surge (Includes 1-21) ■●            |
| 11          |                    | 4           | Screw, Tap, #10 X 3/8" ▲                 |             |                    |             |                                                               |
| 12          | 4-1063             | 2           | Screw, Tap, #6                           |             |                    |             |                                                               |
| 13          | 102-0700           | 1           | Filter Assy., Rfi                        |             |                    |             |                                                               |
| 14          | 102-0666           | 1           | On/Off Switch                            |             |                    |             |                                                               |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# Power Supply, N. LTC Plus and E-Series OSMAC



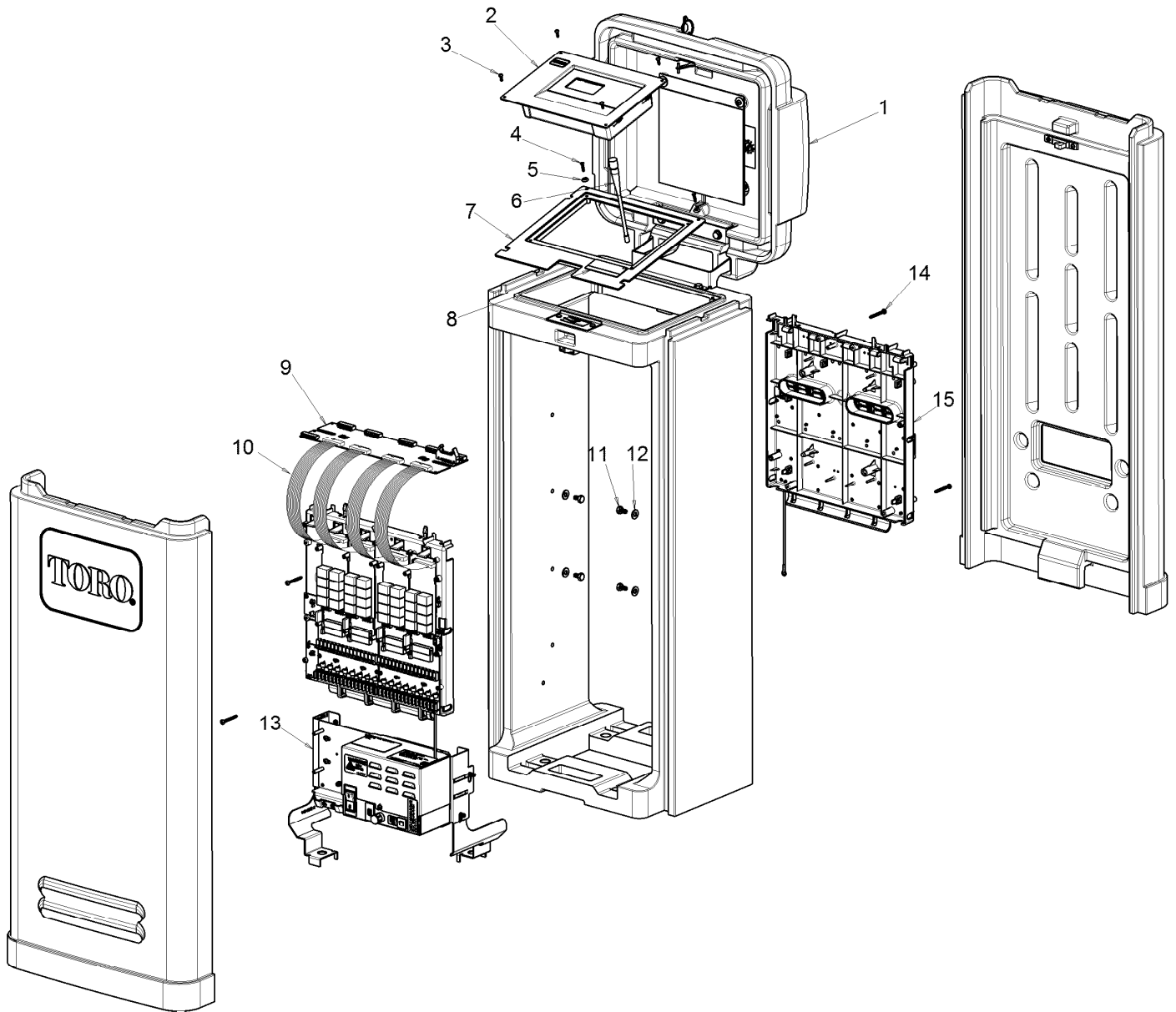
## Power Supply, N. LTC Plus and E-Series OSMAC (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               |
|-------------|--------------------|-------------|-----------------------------------------|-------------|--------------------|-------------|--------------------------------------------------|
| 1           | 4-1063             | 2           | Screw, Tap, #6                          | 9           | 102-0648           | 1           | Slide Switch 115/230V                            |
| 2           |                    | 2           | Washer, Lock, #6 ▲                      | 10          | 102-0651           | 1           | Circuit Breaker, 4.0 Amp                         |
| 3           | 102-0646           | 1           | Cover, Power Supply                     | 11          | 118-0538SK         | 1           | Toro Transient Filter, Ttf                       |
| 4           | 102-0695           | 1           | Cover, Wire Terminal                    | 12          | 102-0700           | 1           | Filter Assy., Rfi                                |
| 5           | 102-0666           | 1           | On/Off Switch                           | 13          | 102-0667           | 1           | Terminal Block, 115/230V<br>(Includes Item 14)   |
| 6           | 102-0647           | 1           | Transformer Assy., Svc. ●               | 14          | 360-0297           | 2           | Screw, #6 X 3/4"                                 |
| 7           | 102-0649           | 1           | Fuse Holder W/Cap                       |             | 102-0645           | 1           | Power Supply Assembly<br>(Includes Items 1-14) ■ |
| 8           | 102-0650           | 1           | Fuse, 3.2 Amp, Slow-Blow<br>(10-Pack) ● |             |                    |             |                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# OSMAC G3 - Satellite 2016-2018



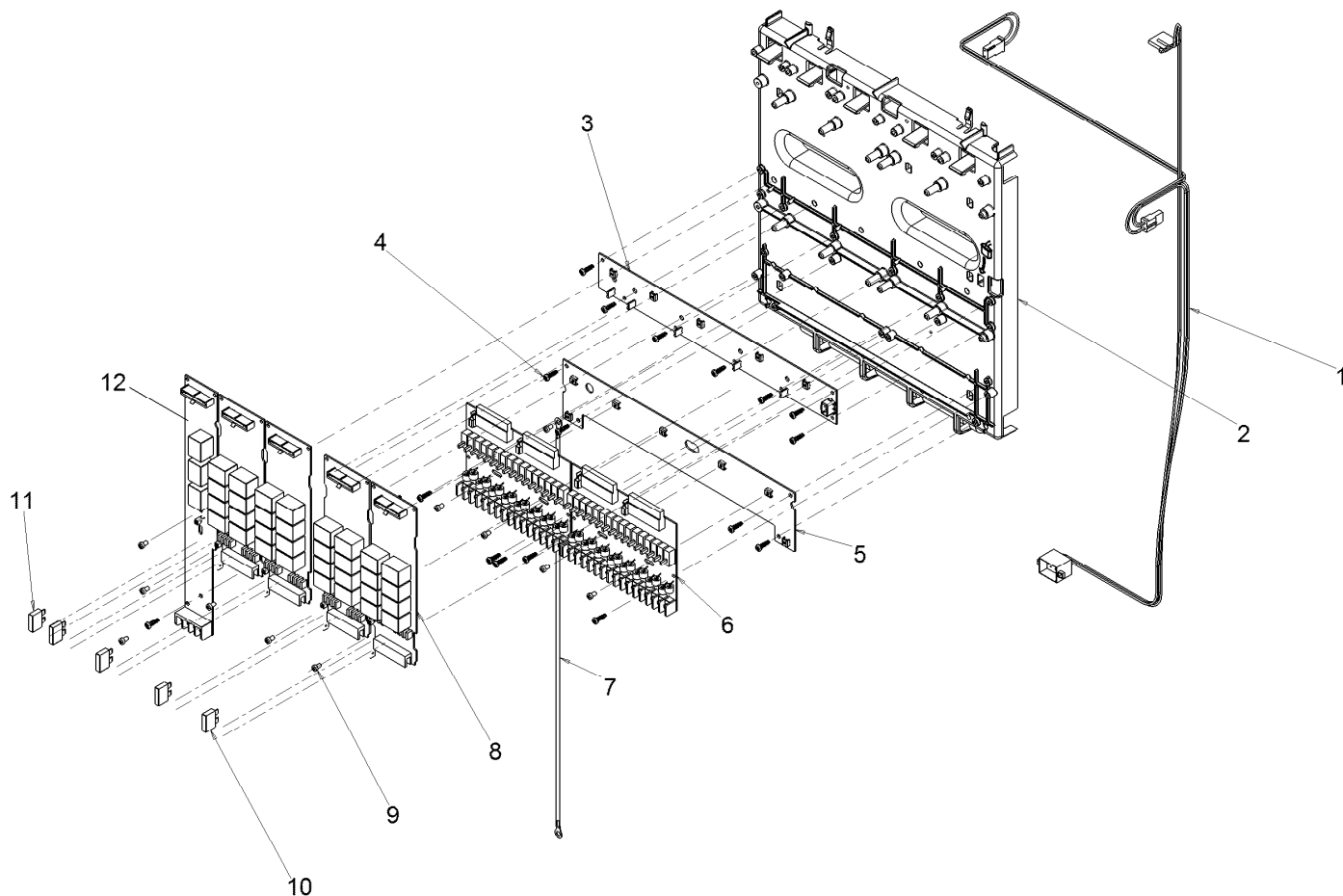
## OSMAC G3 - Satellite 2016-2018 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                             |
|-------------|--------------------|-------------|------------------------------------------------|
| 1           | 118-0828           | 1           | Plastic Pedestal, Short, Green, Assembly       |
| 1           | 118-0829           | 1           | Plastic Pedestal, Short, Tree Bark, Assembly   |
| 1           | 118-0830           | 1           | Plastic Pedestal, Short, Desert Sand, Assembly |
| 2           | 118-2986SK         | 1           | Timing Module, Osmac G3                        |
|             | 118-6929           | 1           | Tm Cable ■●                                    |
| 3           | 363-6504           | 4           | Tap Screw, Timing Mechanism                    |
| 4           | 363-6520           | 2           | Tap Screw, Countersunk, Tm Faceplate           |
| 5           | 363-8394           | 2           | Washer, Faceplate                              |
| 6           | 363-7402           | 1           | Bnc Antenna, 6"                                |
| 7           | 102-0664           | 1           | Tm Mounting Faceplate                          |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                |
|-------------|--------------------|-------------|-----------------------------------------------------------------------------------|
| 8           | 91-0910            | 1           | Decal, Caution                                                                    |
| 9           | 102-0672           | 1           | Output Distribution Module Assy.                                                  |
| 10          | 102-0670           | 4           | Ribbon Cable, Distribution To Output, 4                                           |
| 11          | 363-8634           | 4           | Screw-Cap, HH                                                                     |
| 12          | 360-0140           | 4           | Washer-Flat                                                                       |
| 13          | 118-6366SK         | 1           | Power Supply Assembly (See Power Supply Section For Individual Component Listing) |
| 14          | 3-2696             | 4           | Screw-Tap, #8                                                                     |
| 15          | 89-9931SK          | 1           | Mounting Front/Backplate, Plastic                                                 |

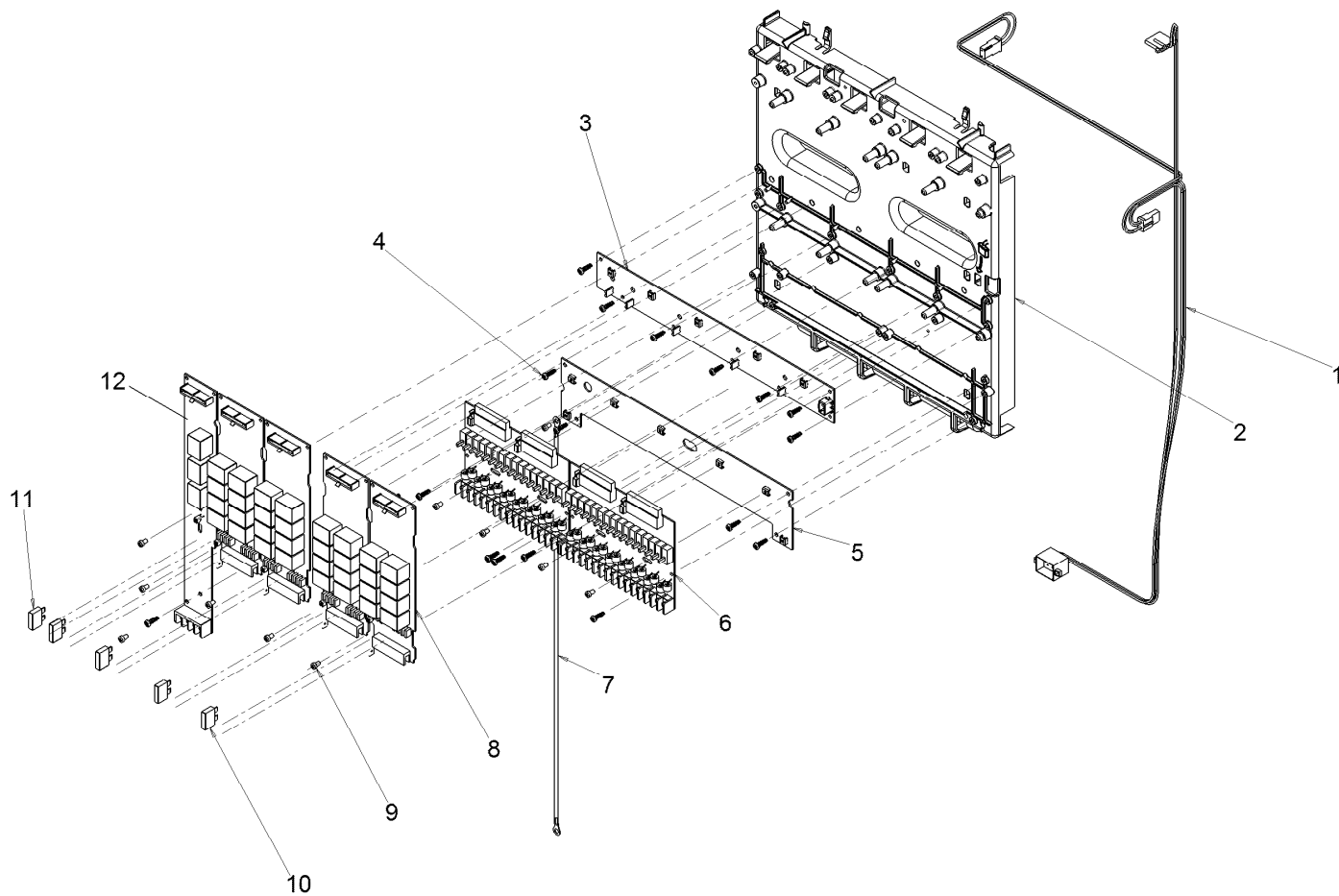
● SERVICE ITEMS

■ Not illustrated



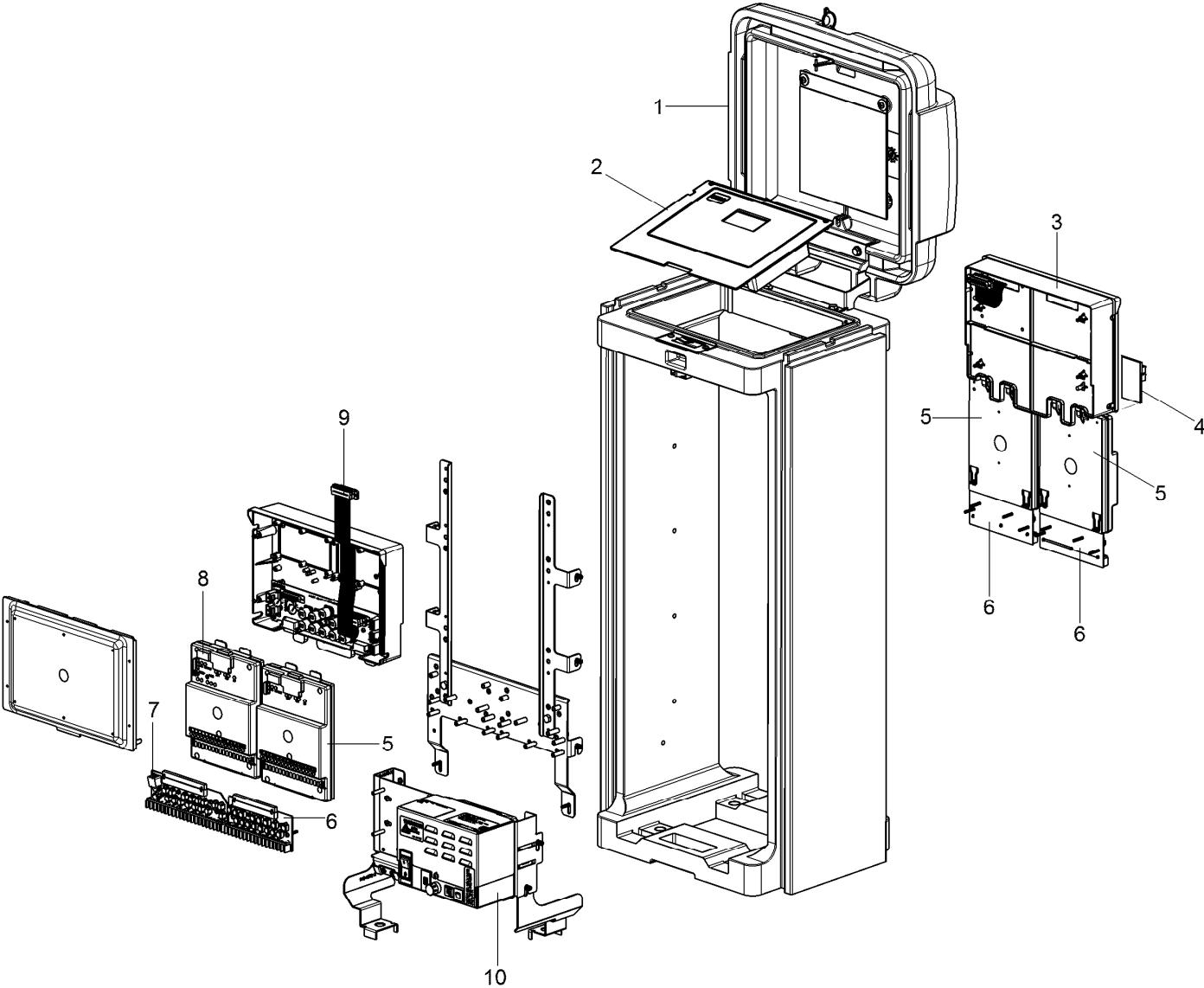
## OSMAC G3 - Front/Backplate Assembly

| Ref. | Part Number | Qty. | Description                                      |
|------|-------------|------|--------------------------------------------------|
| 1    | 89-9983     | 1    | Cable Assy., Power Supply                        |
| 2    | 89-9931SK   | 1    | Mounting Front/Backplate, Plastic                |
| 3    | 102-0653    | 1    | 24 Vac Bus Bar                                   |
| 4    | 363-8289    | 18   | Screw, Tap, #6                                   |
| 5    | 102-0652    | 1    | Earth Ground Bus Bar                             |
| 6    | 102-0641    | 2    | Terminal Block, Switches, Option M3              |
| 6    | 102-0642    | 2    | Terminal Block, Switches, Surge Pills, Option M4 |
| 7    | 89-6930     | 1    | 14GA Ground Wire, Yel/Grn                        |
| 8    | 102-0654    | 4    | Osmac G3 Output Module                           |
| 9    | 363-3947    | 10   | Screw, Thruss                                    |
| 10   | 102-0657    | 4    | Fuse, 3.0 Amp, Fast-Blow, Service (5-Pack)       |
| 11   | 102-0658    | 1    | Fuse, 1.0 Amp, Fast-Blow, Service (5-Pack)       |
| 12   | 102-0669    | 1    | Pump/Common Module Assy.                         |



## OSMAC G3 - Front/Backplate Assembly (continued)

OSMAC G3 - Satellite, 2019 Model and Newer

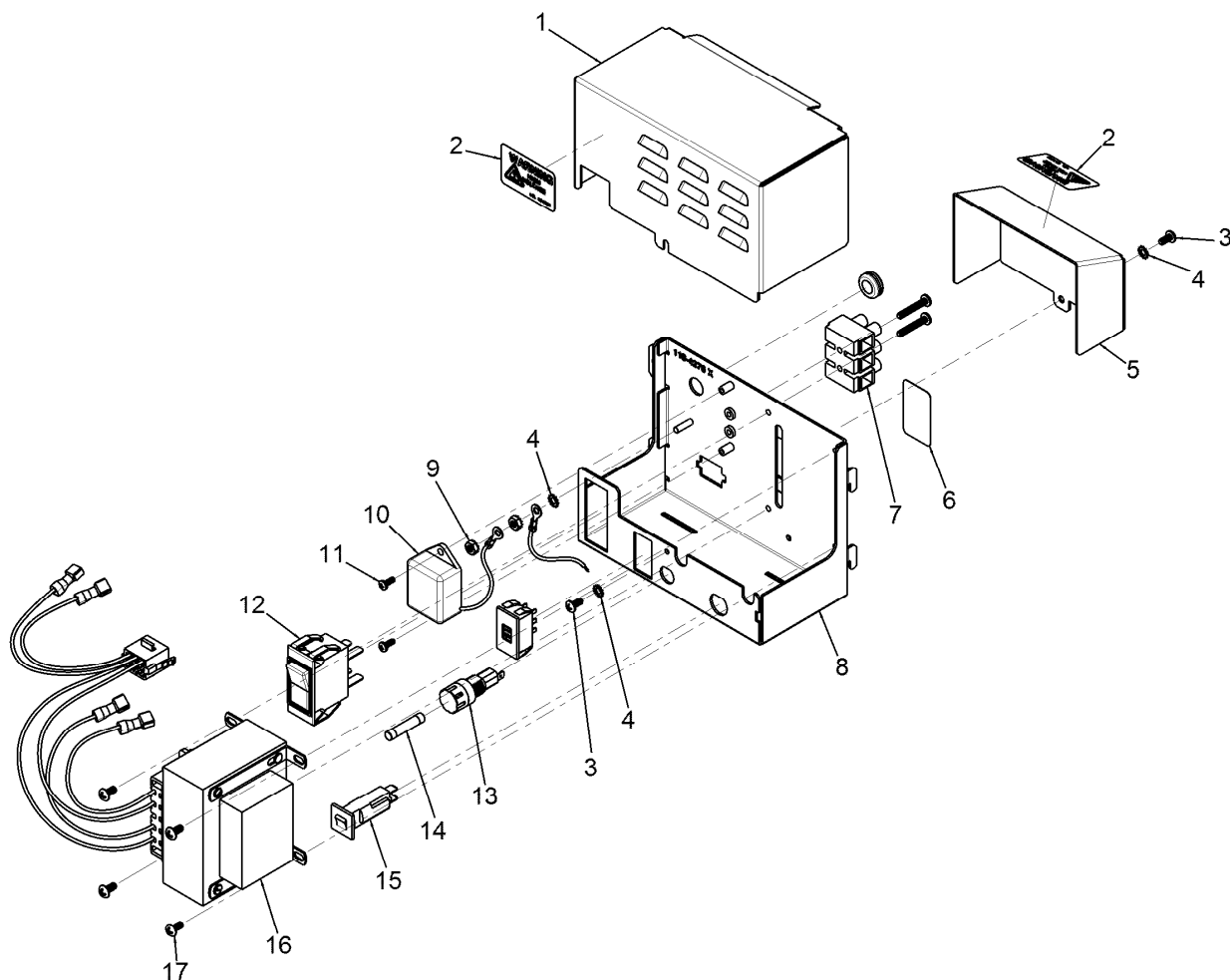




## OSMAC G3 - Satellite, 2019 Model and Newer (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                  |
|-------------|--------------------|-------------|------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------------------|
| 1           | 118-0828           | 1           | Plastic Pedestal, Short, Green, Assembly       | 6           | 118-3047SK         | 3           | Output Surge Assembly, Level 4                                                      |
| 1           | 118-0829           | 1           | Plastic Pedestal, Short, Tree Bark, Assembly   | 7           | 118-6035SK         | 1           | Output/Pump Surge Assembly, Level 3                                                 |
| 1           | 118-0830           | 1           | Plastic Pedestal, Short, Desert Sand, Assembly | 7           | 118-6034SK         | 1           | Output/Pump Surge Assembly, Level 4                                                 |
| 2           | 118-2986SK         | 1           | Timing Module, Osmac G3                        | 8           | 118-6369SK         | 1           | Pump/Com/Output Module                                                              |
| 3           | 118-4438SK         | 1           | Distribution Panel Assembly, Backside          | 9           | 118-4172           | 1           | Cable, Tm To Power Board                                                            |
| 4           | 118-3128SK         | 1           | Distribution Board, Backside                   | 10          | 118-6366SK         | 1           | Power Supply Assembly (See Power Supply Section For Individual Component Listing) ● |
| 5           | 118-6370SK         | 3           | Output Module Assembly                         |             |                    |             |                                                                                     |
| 6           | 118-6032SK         | 3           | Output Surge Assembly, Level 3                 |             |                    |             |                                                                                     |

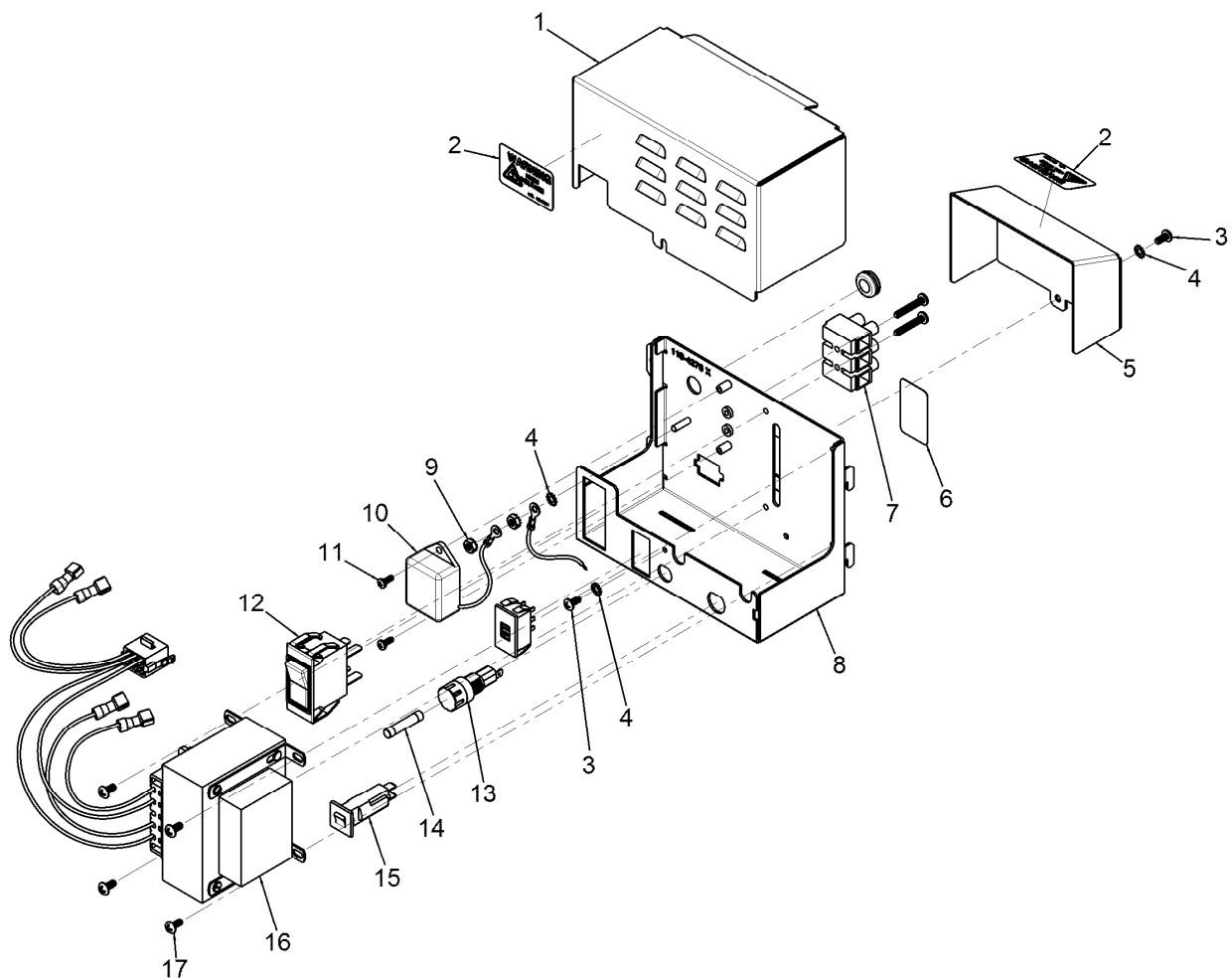
● Not illustrated



## OSMAC G3 - Power Supply

| Ref. | Part Number | Qty. | Description                           |
|------|-------------|------|---------------------------------------|
| 1    | 118-4269    | 1    | Cover, Power Supply Housing           |
| 2    | 89-0722     | 2    | Label, Warning                        |
| 3    | 360-0498    | 2    | Screw, Machine, 8-32 X 1/4            |
| 4    | 363-6505    | 3    | Lock Washer, #8, Steel                |
| 5    | 118-4268    | 1    | Cover, Power Supply Terminal          |
| 6    | 89-7325     | 1    | Label, Terminal Block                 |
| 7    | 363-3981    | 1    | Terminal Block, 3-Position, 6 Awg     |
| 8    | 118-4270    | 1    | Bottom, Power Supply Housing          |
| 9    | 363-1483    | 2    | Nut-Hex, K Lock                       |
| 10   | 118-0538SK  | 1    | Toro Transient Filter, Ttf            |
| 11   | 363-8690    | 2    | Scr,Mch,6-32X3/8,Phph,Stl,Rohs        |
| 12   | 363-3361    | 1    | Switch, Circuit Breaker, 1.5A         |
| 13   | 360-0750    | 1    | Holder, Fuse                          |
| 14   | 363-2497    | 1    | Fuse, 3.2 Amp                         |
| 15   | 363-5270    | 1    | Circuit Breaker, 4.0A                 |
| 16   | 102-0409    | 1    | Transformer Assembly                  |
| 17   | 3-1453      | 4    | Screw, Machine, 10-32 X 3/8, Phph, SS |
|      | 102-0645    | 1    | Power Supply Assy. ●                  |

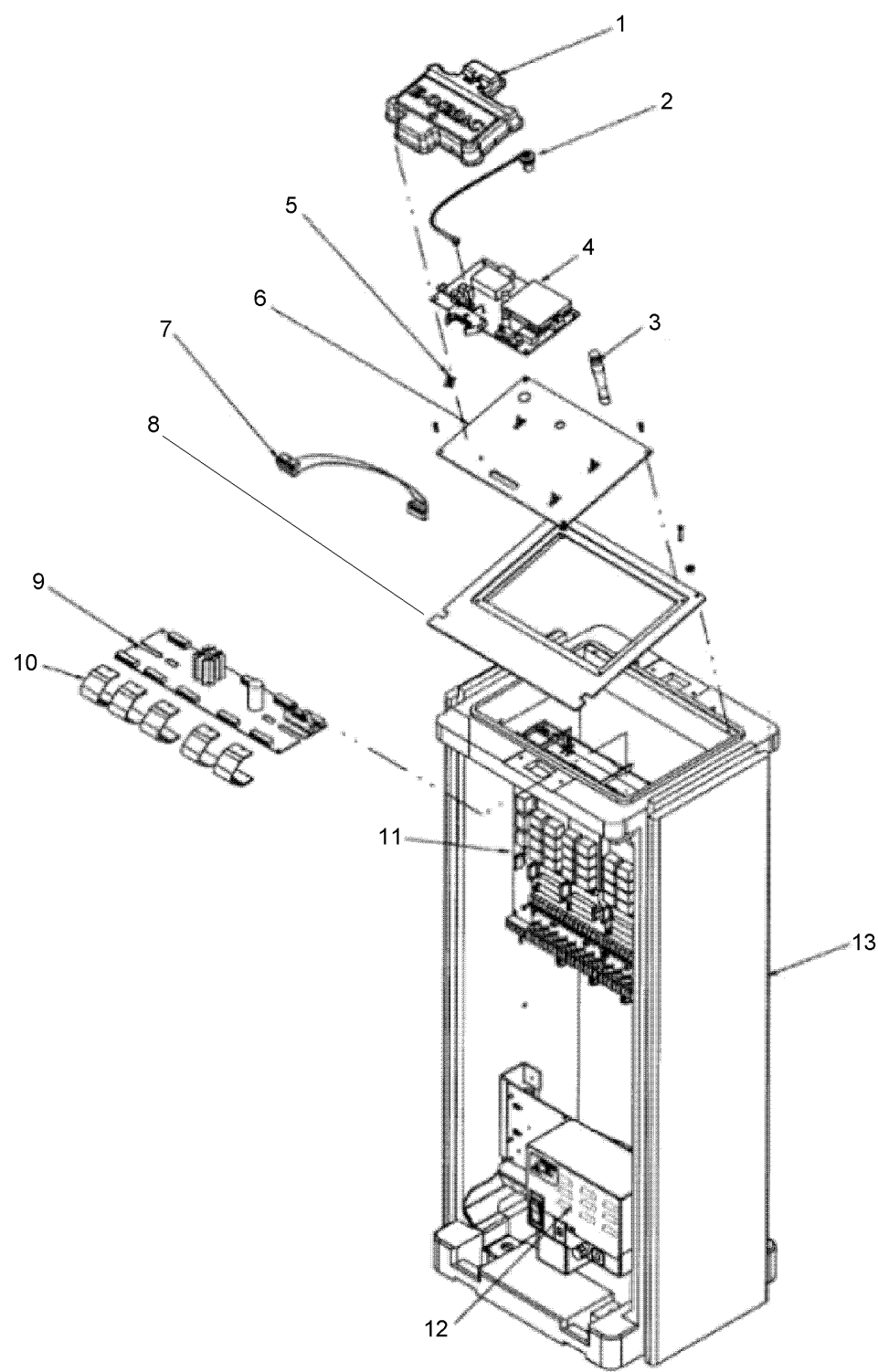
● Not illustrated



## OSMAC G3 - Power Supply (continued)

● Not illustrated

E-Series OSMAC Sat., Narrow, Plastic Cab. (1 Of 3)



## E-Series OSMAC Sat., Narrow, Plastic Cab. (1 Of 3) (continued)

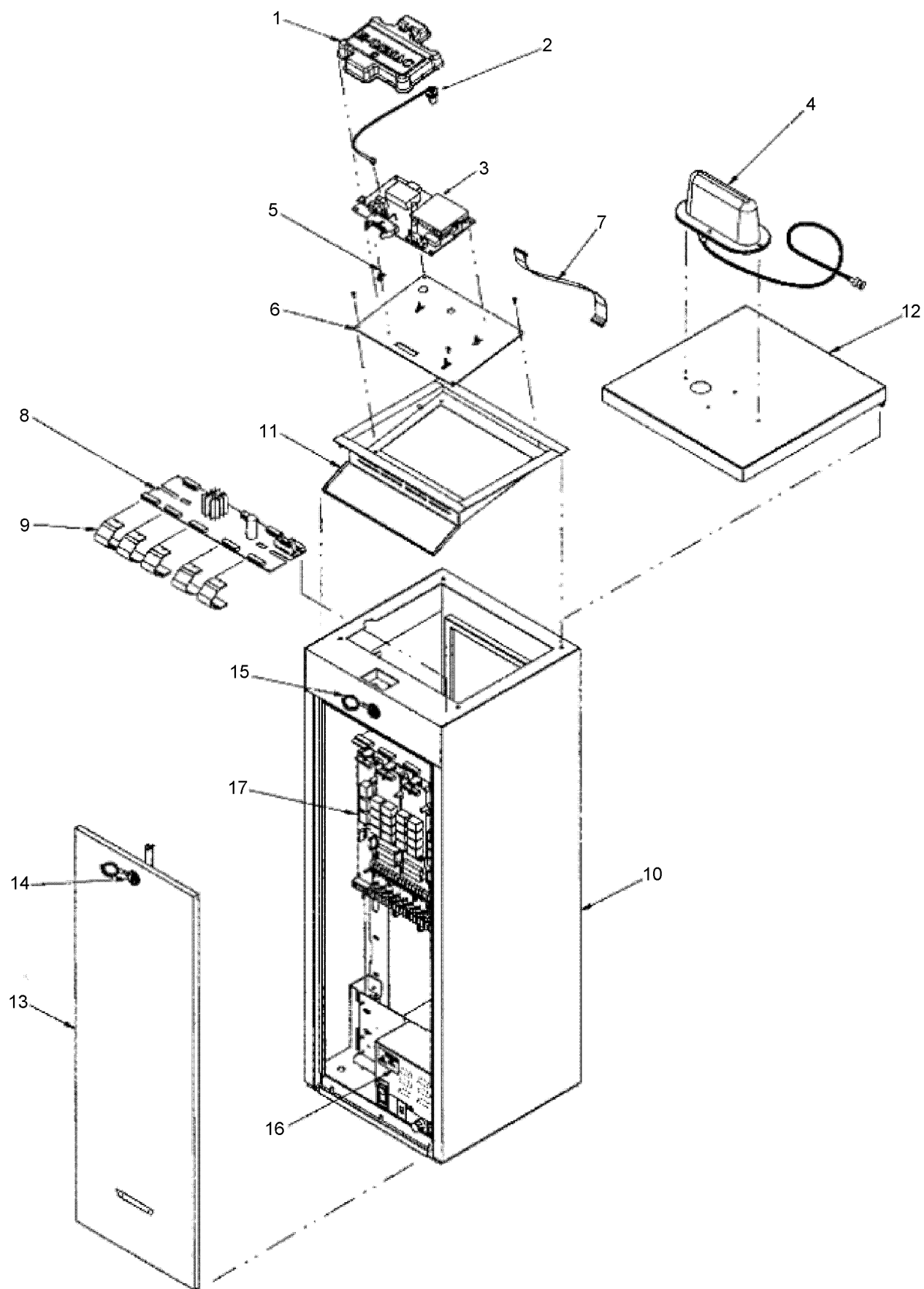
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 102-2624           | 1           | Cover, Decoder Pcb         | 10          | 102-0670           |             | Ribbon Cable, Distribution |
| 2           | 102-1204           | 1           | Cable, Antenna, External,  |             |                    |             | To Output, 4" Length ▲■    |
| 3           | 102-0655           |             | Narrow-Band Decoder        | 11          |                    |             | Field Interface Components |
| 4           | 102-1202           | 1           | Antenna, 450-475 Mhz,      |             |                    |             | (See Field Interface       |
|             |                    |             | W/Bnc Connector ▲          |             |                    |             | Components Section)        |
|             |                    |             |                            |             |                    |             | ●                          |
|             |                    |             | Narrow-Band Decoder        | 12          | 102-0645           | 1           | Power Supply Assy. (See    |
|             |                    |             | Module For Plastic Cabinet |             |                    |             | Power Supply Assembly,     |
| 5           | 363-3946           | 4           | ▲                          |             |                    |             | Network Ltc Plus Sat. And  |
| 6           | 102-0661           | 1           | Standoff, Plastic, Locking |             |                    |             | E-Series Osmac Section)    |
|             |                    |             | Faceplate, Decoder         | 13          |                    | 1           | Plastic Satellite Pedestal |
|             |                    |             | Mounting                   |             |                    |             | (See Plastic Satellite     |
| 7           | 102-0659           | 1           | Ribbon Cable ▲             |             |                    |             | Pedestal Section For       |
| 8           | 102-0664           | 1           | Tm Mounting Faceplate      |             |                    |             | Details) ●                 |
| 9           | 102-0672           | 1           | Output Distribution Module |             |                    |             |                            |
|             |                    |             | Assy. ▲                    |             |                    |             |                            |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

## E-Series OSMAC Sat., Narrow, Metal Cab. (2 of 3)



## E-Series OSMAC Sat., Narrow, Metal Cab. (2 of 3) (continued)

| Ref. | Part Number | Qty. | Description                                                     | Ref. | Part Number | Qty. | Description                                                                                          |
|------|-------------|------|-----------------------------------------------------------------|------|-------------|------|------------------------------------------------------------------------------------------------------|
| 1    | 102-0662    | 1    | Cover, Decoder Module Assy.                                     | 14   |             | 2    | Lock Assy., Door (See Service Item 102-0714) ▲                                                       |
| 2    | 102-0574    | 1    | Antenna, Cable, External, Narrow-Band                           | 15   |             | 1    | Lock Assy., Pedestal Base (See Service Item 102-0705) ▲                                              |
| 3    | 102-1203    | 1    | Narrow-Band Decoder Module For Metal Cabinet □                  | 16   | 102-0645    | 1    | Power Supply Assy.                                                                                   |
| 4    | 102-0663    | 1    | Uhf Dome Style Antenna Assy., 450-475 Mhz, Service, W/Cable     | 17   |             |      | Field Interface Components (See E-Series Osmac Satellite, Narrow-Band, Field Interface Components) ▲ |
| 5    | 363-3946    | 4    | Standoff, Plastic, Locking                                      |      | 102-0684    | 1    | Mount, Timing Mechanism, Sst (Includes Item 11) ●■                                                   |
| 6    | 102-0661    | 1    | Faceplate, Decoder Mounting                                     |      | 102-0714    | 1    | Lock Kit, Door, Service (Includes Item 14) ●■                                                        |
| 7    | 102-0659    | 1    | Ribbon Cable                                                    |      | 102-0705    | 1    | Lock Kit, Cover, Service (Includes Item 15) ●■                                                       |
| 8    | 102-0672    | 1    | Output Distribution Module Assy. □                              |      | 102-0702    | 1    | Base, Pedestal Green, Sst W/Lock Assy, Svc. (Includes Items 10 & 15) ●■                              |
| 9    | 102-0670    |      | Ribbon Cable, Distribution To Output, 4" Length ◆               |      | 102-0696    | 1    | Pedestal Assy., Service (Includes Items 10-15) ●■                                                    |
| 10   |             | 1    | Base, Pedestal, Sst W/Lock Assy. (See Service Item 102-0702) ▲  |      | 102-0703    | 1    | Cover, Pedestal Green, Sst (Includes Item 12) ●■                                                     |
| 11   |             | 1    | Mounting Plate, Tm (See Service Item 102-0684) ▲                |      | 102-0704    | 1    | Door, Pedestal, Green, Sst, Service (Includes Item 14) ●■                                            |
| 12   |             | 1    | Lid Assy., Pedestal, Sst (See Service Item 102-0703) ▲          |      |             |      |                                                                                                      |
| 13   |             | 2    | Door, Pedestal, Sst, W/Lock Assy. (See Service Item 102-0704) ▲ |      |             |      |                                                                                                      |

● SERVICE ITEMS

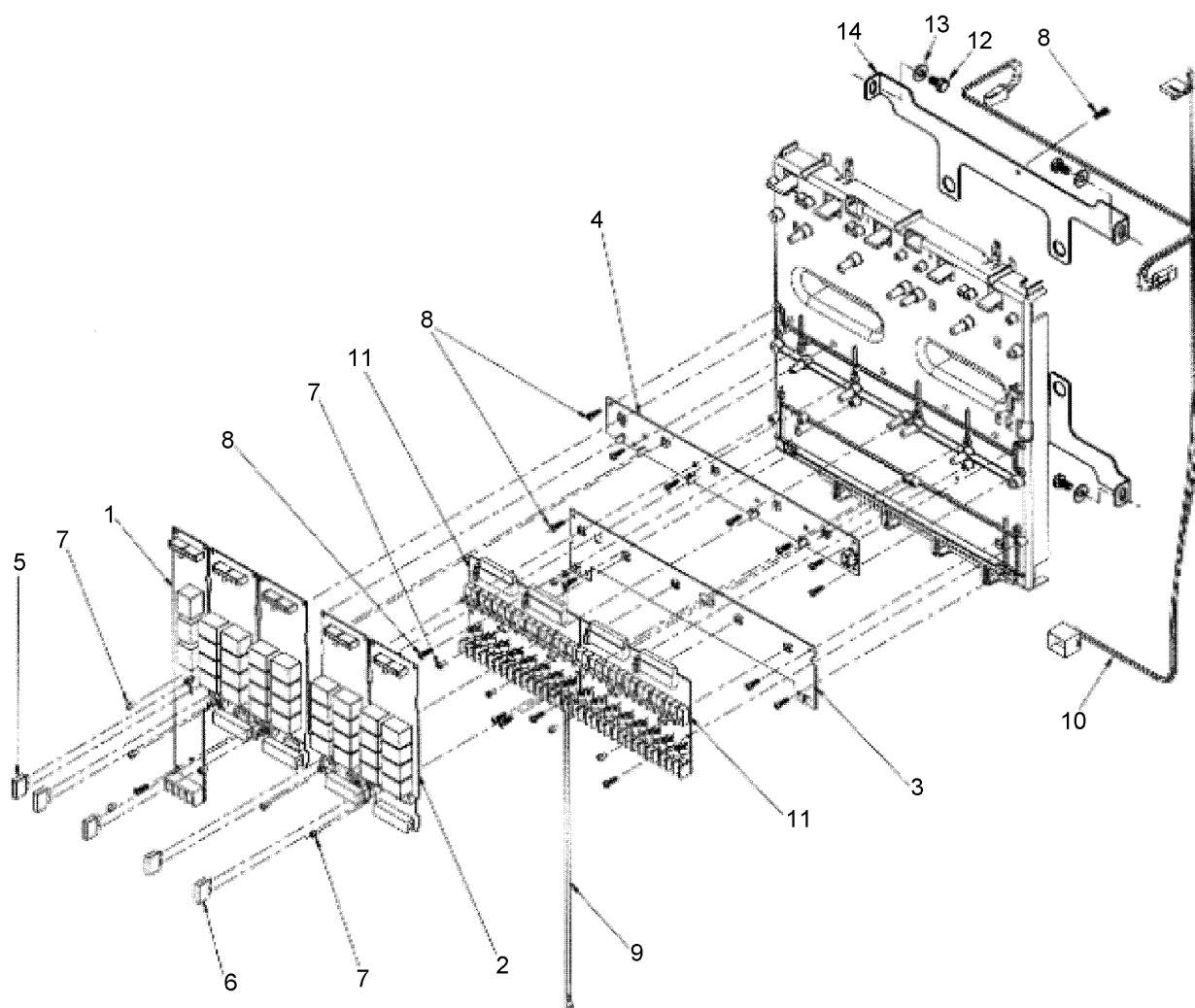
▲ Not serviced separately

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

◆ Quantity Varies With Model

## E-Series OSMAC Sat., Narrow (3 Of 3)





## E-Series OSMAC Sat., Narrow (3 Of 3) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                    |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------|
| 1           | 102-0669           | 1           | Pump/Common Module Assy. (Includes Items 5, 7, And 102-0670 Ribbon Cable) ♦         | N/I         | 102-0638           |             | 8-Station Terminal Block (M0 Surge Level) ♦ ▲ ●                       |
| 2           | 102-0654           |             | Output Module Assy., 8-Station (Includes Items 6, 7, And 102-0670 Ribbon Cable) ♦ ▲ | 11          | 102-0639           |             | 16-Station Module Assy. (M1 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 3           | 102-0652           | 1           | Ground Bus Bar Pcb Assy., Service (Includes Item 8)                                 | 11          | 102-0640           |             | 16-Station Module Assy. (M2 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 4           | 102-0653           | 1           | 24 V A.C. Bus Bar Pcb Assy., Service (Includes Item 8)                              | 11          | 102-0641           |             | 16-Station Module Assy. (M3 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 5           | 102-0658           | 1           | Fuse, 1.0 Amp, Fast-Blow, Service (5-Pack)                                          | 11          | 102-0642           |             | 16-Station Module Assy. (M4 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 6           | 102-0657           | 4           | Fuse, 3.0 Amp, Fast-Blow, Service (5-Pack)                                          |             |                    |             |                                                                       |
| 7           | 102-0671           | 11          | Screw, Machine, 6-32 X 1/4"                                                         | 12          | 360-0595           | 4           | Screw, Machine, 1/4-20 X 1/2"                                         |
| 8           | 363-1355           | 20          | Screw, Tap, #6                                                                      | 13          | 360-0140           | 4           | Washer-Flat                                                           |
| 9           | 102-0685           | 1           | Wire Harness Assy., Grounding                                                       | 14          |                    | 2           | Bracket, Mount Backplate ■                                            |
| 10          | 102-0686           | 1           | Wire Harness Assy., Power Supply                                                    |             |                    |             |                                                                       |

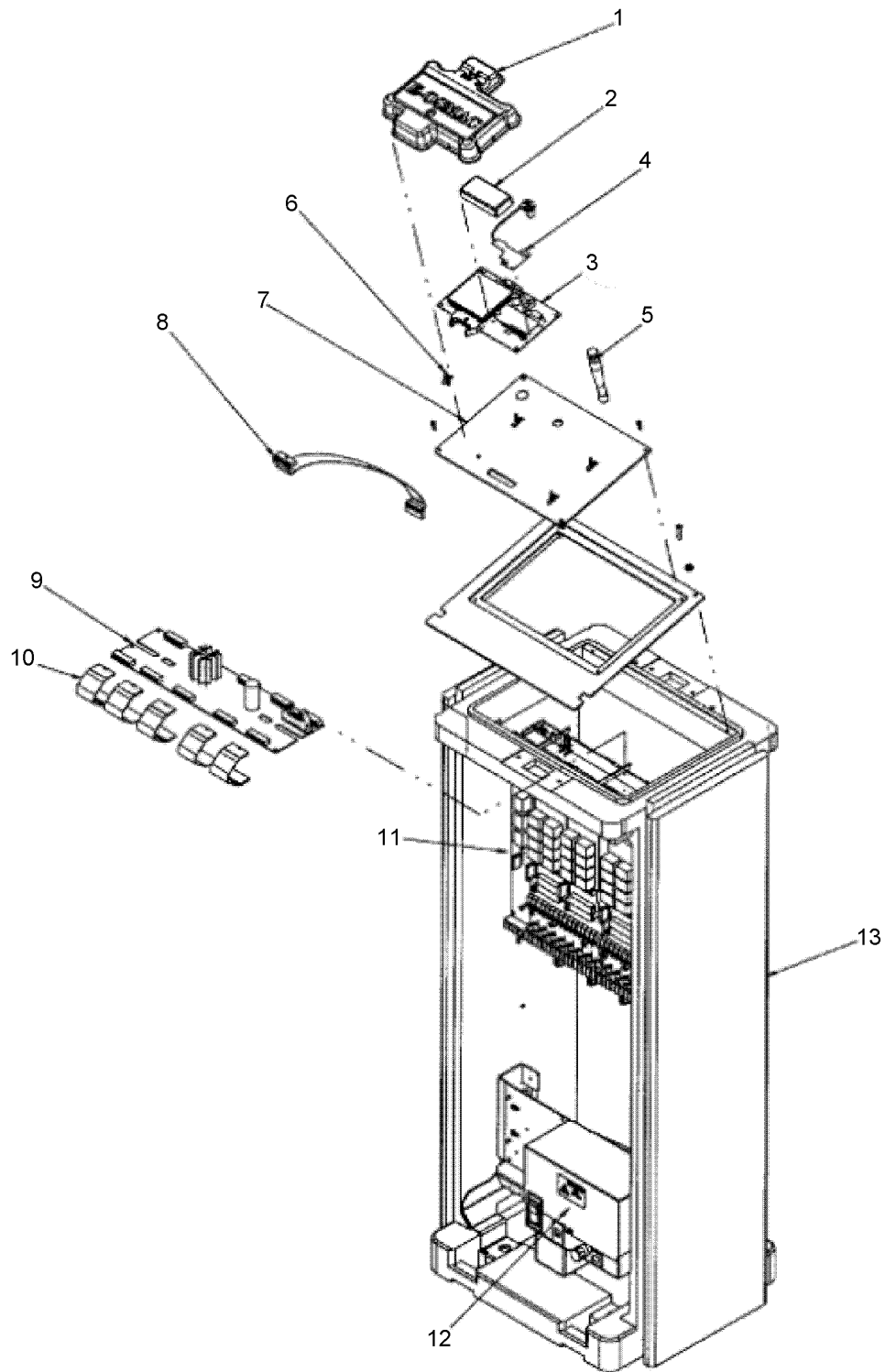
● Not illustrated

▲ Quantity Varies With Model

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately

## E-Series OSMAC Sat., Wide, Plastic Cab. (1 of 3)



## E-Series OSMAC Sat., Wide, Plastic Cab. (1 of 3) (continued)

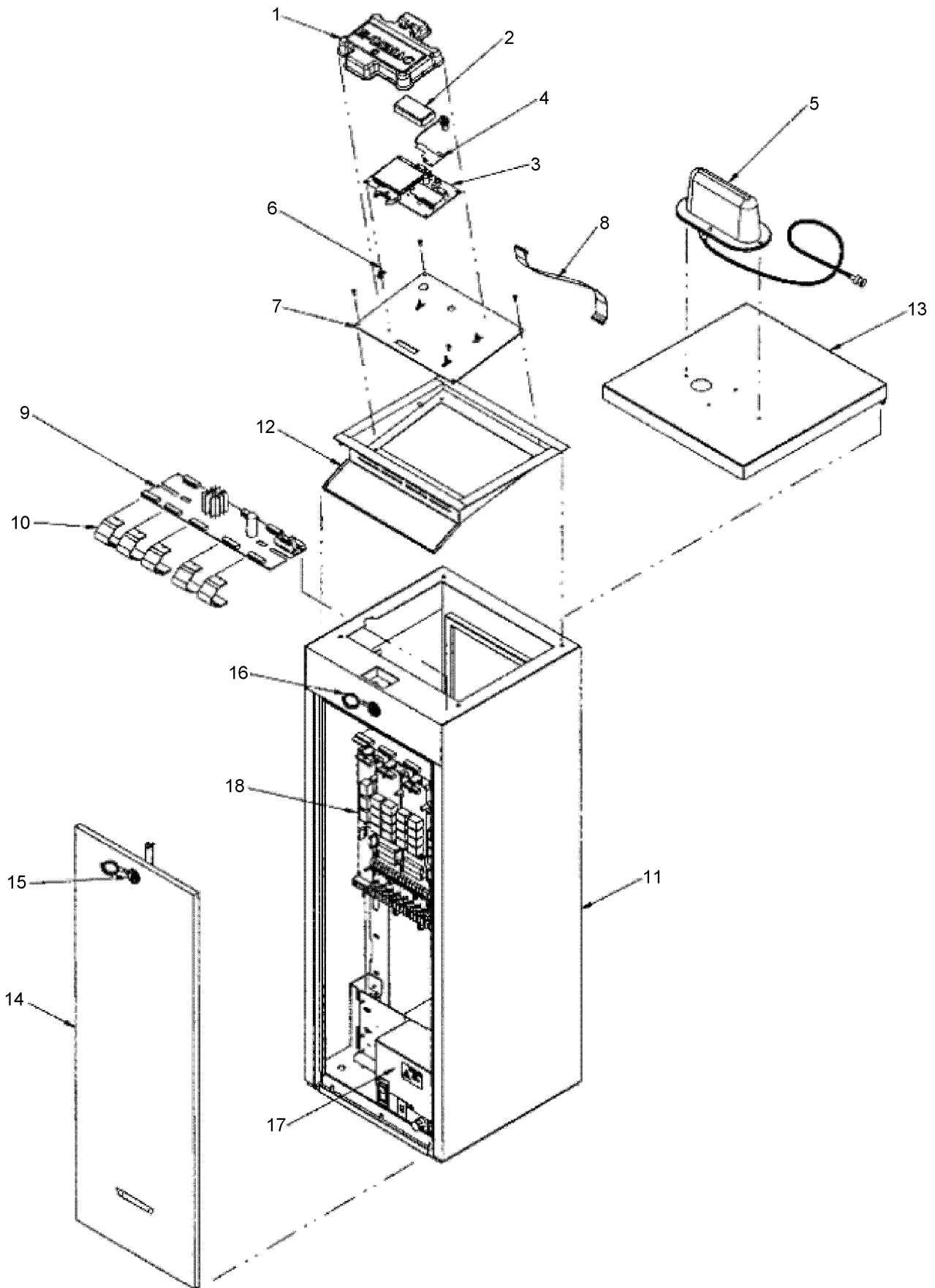
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                 |
|-------------|--------------------|-------------|---------------------------------------------------------------|-------------|--------------------|-------------|------------------------------------------------------------------------------------|
| 1           | 102-2624           | 1           | Cover, Decoder Pcb                                            | 9           | 102-0672           | 1           | Output Distribution Module Assy. ▲                                                 |
| 2           | N1551              | 1           | Receiver Module ▲                                             | 10          | 102-0670           |             | Ribbon Cable, Distribution To Output, 4" Length ▲■                                 |
| 3           | 102-0660           | 1           | Receiver/Decoder Module Assy., Service (Includes Item 6) ▲    | 11          |                    |             | Field Interface Components (See Field Interface Components Section) ●              |
| 4           | 102-0656           | 1           | Antenna Pcb Assy. (Optional) ▲                                | 12          | 102-0645           | 1           | Power Supply Assy.                                                                 |
| 5           | 102-0655           | 1           | Antenna, 450-475 Mhz, W/Bnc Connector (Optional) ▲            | 13          |                    | 1           | Satellite Plastic Pedestal & Components (See Plastic Satellite Pedestal Section) ● |
| 6           | 363-3946           | 4           | Standoff, Plastic, Locking                                    |             |                    |             |                                                                                    |
| 7           | 102-0661           | 1           | Faceplate, Decoder Mounting                                   |             |                    |             |                                                                                    |
| 8           | 102-0659           | 1           | Ribbon Cable (Output Distribution Module To Decoder Module) ▲ |             |                    |             |                                                                                    |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

## E-Series OSMAC Sat., Wide Metal Cab. (2 of 3)



## E-Series OSMAC Sat., Wide Metal Cab. (2 of 3) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                      |
|-------------|--------------------|-------------|---------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------|
| 1           | 102-2624           | 1           | Cover, Decoder Module Assy., Service                                | 12          | 102-0684           | 1           | Mounting Plate, Tm, Service ●                                           |
| 2           | N1551              | 1           | Receiver Module □                                                   | 13          | 102-0703           | 1           | Lid Assy., Pedestal, Sst, Service ●                                     |
| 3           | 102-0660           | 1           | Receiver/Decoder Module Assy., Service (Includes Item 6) □          | 14          | 102-0704           | 2           | Door, Pedestal, Green, Sst, W/ Lock Assy., Service (Includes Item 15) ● |
| 4           | 102-0656           | 1           | Antenna Pcb Assy. □                                                 | 15          | 102-0714           | 2           | Lock Assy., Door, W/Keys & Cover, Service ●                             |
| 5           | 102-0663           | 1           | Uhf Dome Style Antenna Assy., 450-475 Mhz, Service, W/Cable         | 16          | 102-0705           | 1           | Lock Assy., Pedestal Base, W/Keys & Cover, Service ●                    |
| 6           | 363-3946           | 4           | Standoff, Plastic, Locking                                          | 17          | 102-0645           | 1           | Power Supply Assy.                                                      |
| 7           | 102-0661           | 1           | Faceplate, Decoder Mounting                                         | 18          |                    |             | Field Interface Components (See Field Interface Components Section) ▲   |
| 8           | 102-0659           | 1           | Ribbon Cable (Decoder Module To Distribution Module) □              |             | 102-0696           |             | Pedestal Assy., Service (Includes Items 11-16) ■                        |
| 9           | 102-0672           | 1           | Distribution Board, Output, Parallel □                              |             |                    |             |                                                                         |
| 10          | 102-0670           |             | Ribbon Cable (Distribution Board To Output Module) □ ◆              |             |                    |             |                                                                         |
| 11          | 102-0702           | 1           | Base, Pedestal Green, Sst W/Lock Assy, Service (Includes Item 16) ● |             |                    |             |                                                                         |

● SERVICE ITEMS

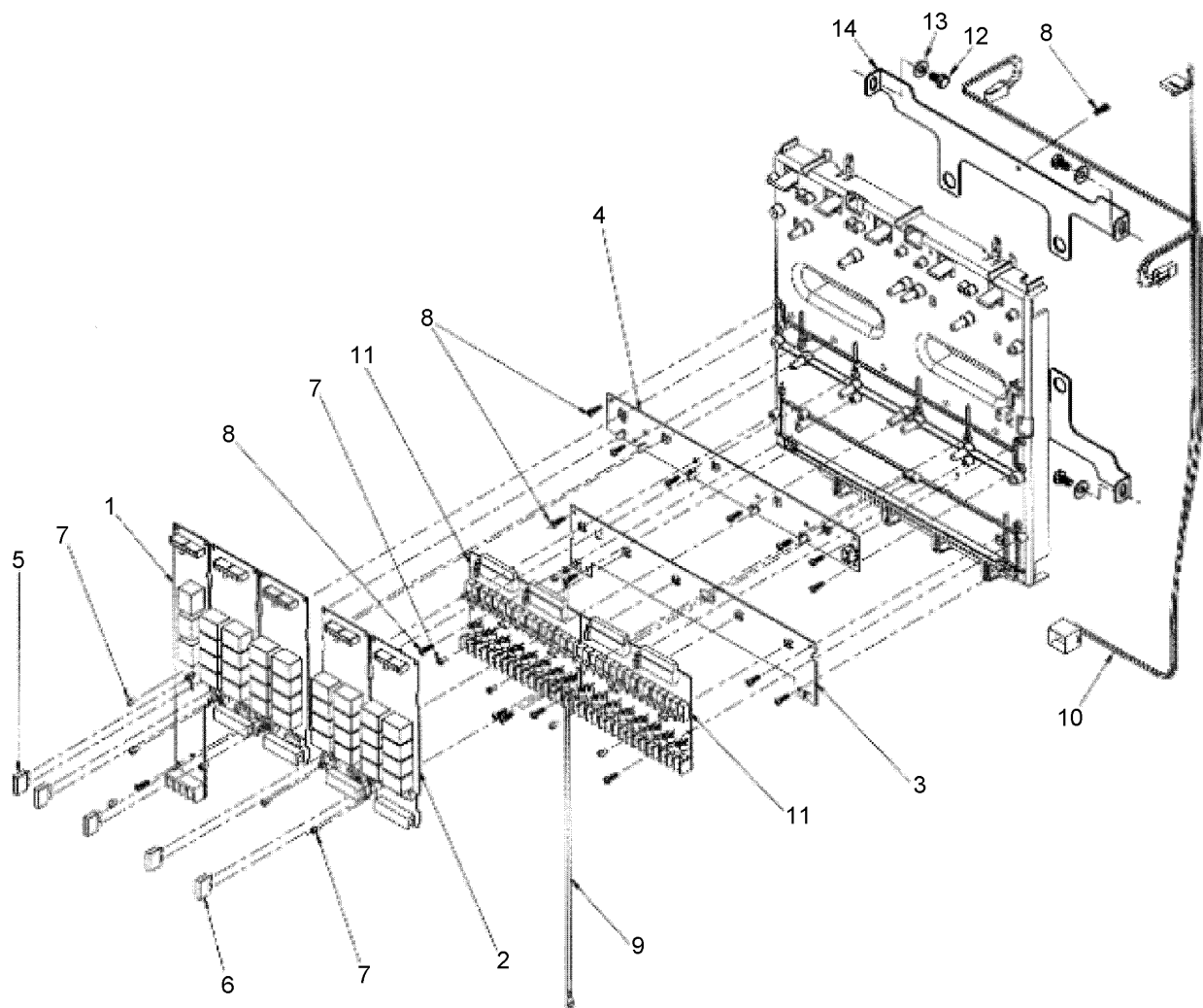
▲ Not serviced separately

□ Order Through Finished Goods Distribution System - Minneapolis

■ Not illustrated

◆ Quantity Varies With Model

E-Series OSMAC Sat., Wide (3 of 3)



## E-Series OSMAC Sat., Wide (3 of 3) (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                    |
|-------------|--------------------|-------------|-------------------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------|
| 1           | 102-0669           | 1           | Pump/Common Module Assy. (Includes Items 5, 7, And 102-0670 Ribbon Cable) ♦         | N/I         | 102-0638           |             | 8-Station Terminal Block (M0 Surge Level) ♦ ▲ ●                       |
| 2           | 102-0654           |             | Output Module Assy., 8-Station (Includes Items 6, 7, And 102-0670 Ribbon Cable) ♦ ▲ | 11          | 102-0639           |             | 16-Station Module Assy. (M1 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 3           | 102-0652           | 1           | Ground Bus Bar Pcb Assy., Service (Includes Item 8)                                 | 11          | 102-0640           |             | 16-Station Module Assy. (M2 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 4           | 102-0653           | 1           | 24 V A.C. Bus Bar Pcb Assy., Service (Includes Item 8)                              | 11          | 102-0641           |             | 16-Station Module Assy. (M3 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 5           | 102-0658           | 1           | Fuse, 1.0 Amp, Fast-Blow, Service (5-Pack)                                          | 11          | 102-0642           |             | 16-Station Module Assy. (M4 Surge Upgrade) (Includes Items 7 & 8) ♦ ▲ |
| 6           | 102-0657           | 4           | Fuse, 3.0 Amp, Fast-Blow, Service (5-Pack)                                          |             |                    |             |                                                                       |
| 7           | 102-0671           | 11          | Screw, Machine, 6-32 X 1/4"                                                         | 12          | 360-0595           | 4           | Screw, Machine, 1/4-20 X 1/2"                                         |
| 8           | 363-1355           | 20          | Screw, Tap, #6                                                                      | 13          | 360-0140           | 4           | Washer-Flat                                                           |
| 9           | 102-0685           | 1           | Wire Harness Assy., Grounding                                                       | 14          |                    | 2           | Bracket, Mount Backplate ■ ●                                          |
| 10          | 102-0686           | 1           | Wire Harness Assy., Power Supply                                                    |             |                    |             |                                                                       |

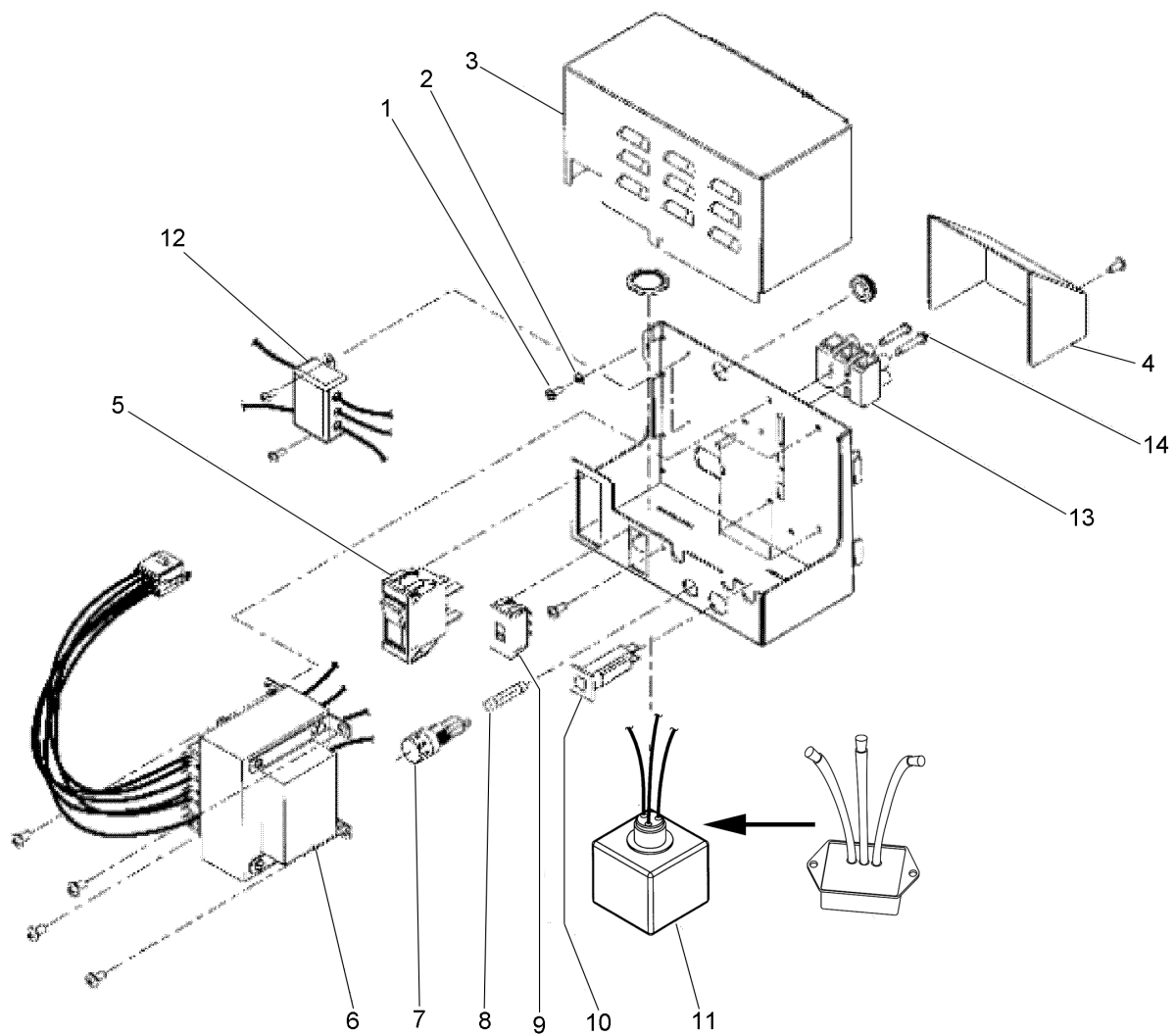
● Not illustrated

▲ Quantity Varies With Model

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately

# Power Supply, N. LTC Plus and E-Series OSMAC





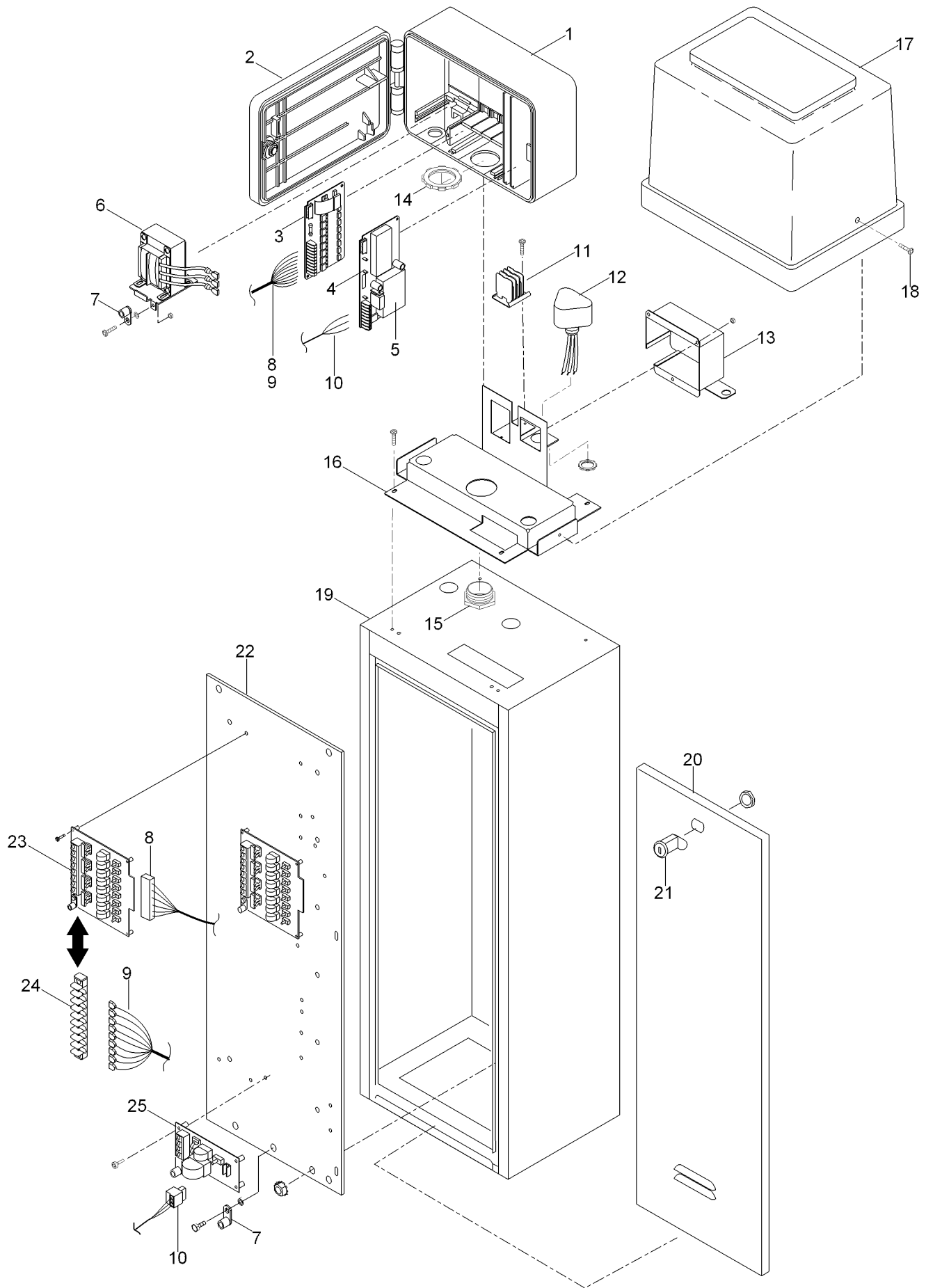
## Power Supply, N. LTC Plus and E-Series OSMAC (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                               |
|-------------|--------------------|-------------|-----------------------------------------|-------------|--------------------|-------------|--------------------------------------------------|
| 1           | 4-1063             | 2           | Screw, Tap, #6                          | 9           | 102-0648           | 1           | Slide Switch 115/230V                            |
| 2           |                    | 2           | Washer, Lock, #6 ▲                      | 10          | 102-0651           | 1           | Circuit Breaker, 4.0 Amp                         |
| 3           | 102-0646           | 1           | Cover, Power Supply                     | 11          | 118-0538SK         | 1           | Toro Transient Filter, Ttf                       |
| 4           | 102-0695           | 1           | Cover, Wire Terminal                    | 12          | 102-0700           | 1           | Filter Assy., Rfi                                |
| 5           | 102-0666           | 1           | On/Off Switch                           | 13          | 102-0667           | 1           | Terminal Block, 115/230V<br>(Includes Item 14)   |
| 6           | 102-0647           | 1           | Transformer Assy., Svc. ●               | 14          | 360-0297           | 2           | Screw, #6 X 3/4"                                 |
| 7           | 102-0649           | 1           | Fuse Holder W/Cap                       |             | 102-0645           | 1           | Power Supply Assembly<br>(Includes Items 1-14) ■ |
| 8           | 102-0650           | 1           | Fuse, 3.2 Amp, Slow-Blow<br>(10-Pack) ● |             |                    |             |                                                  |

● SERVICE ITEMS  
▲ Not serviced separately

■ Not illustrated

# OSMAC Satellite - 8 x 13 Metal Ped., Electric



# OSMAC Satellite - 8 x 13 Metal Ped., Electric (continued)

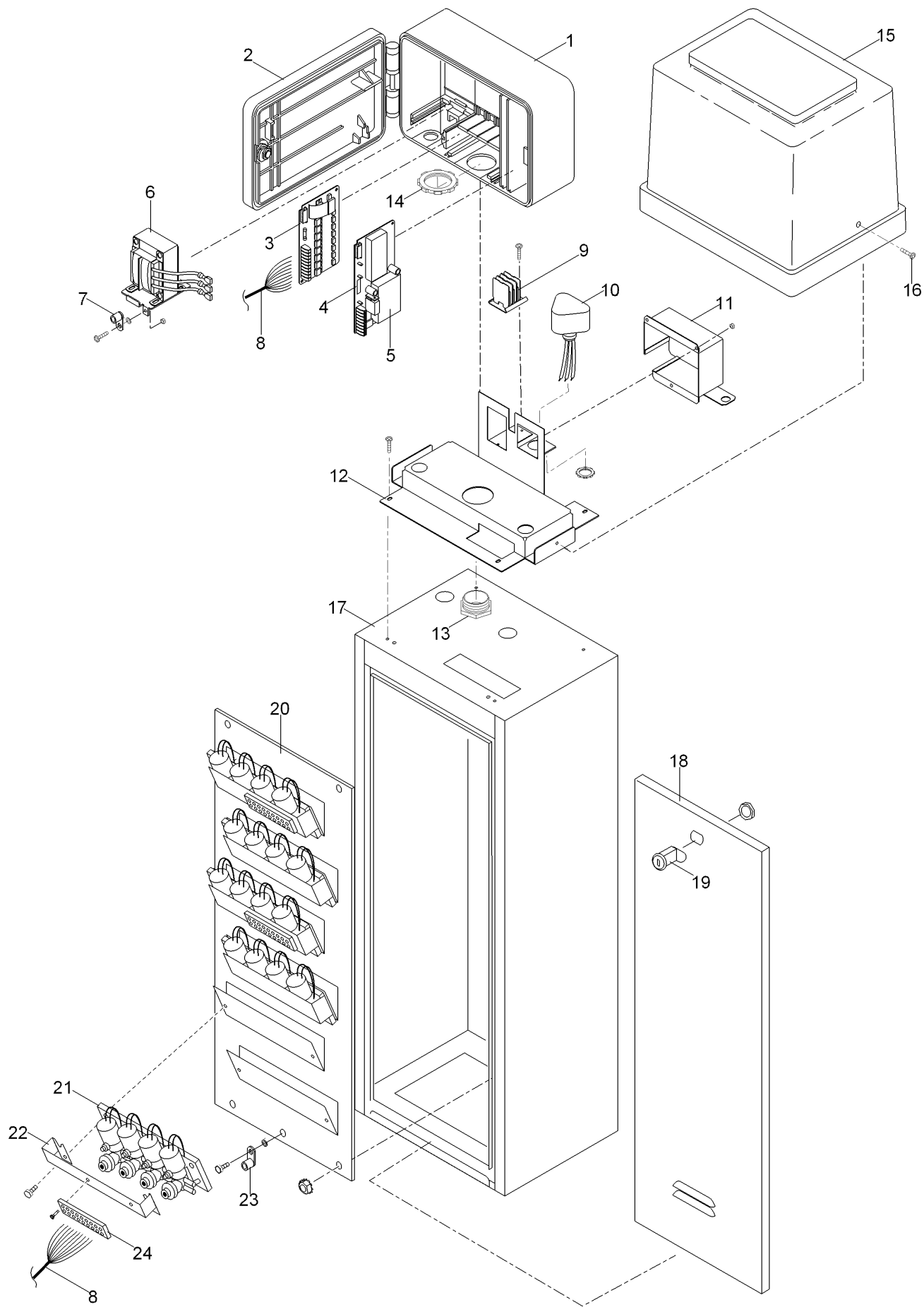
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                           |
|-------------|--------------------|-------------|--------------------------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------|
| 1           |                    | 1           | Housing, Cover, Rdr50 ●                                                        | 11          | 363-2371           | 1           | Terminal Block, 3-Position                   |
| 2           |                    | 1           | Cover, Housing ●                                                               | 12          |                    | 1           | Surge Protector, Osmac ●                     |
| 3           | NLN3491A           | 1           | Output Pcb, 8-Station ▲                                                        | 13          | 91-1865            | 1           | Cover, Safety, AC                            |
| 4           | NLN3485            | 1           | Decoder Module Rdr50 ▲                                                         | 14          |                    | 1           | Locknut, 1.25" ●                             |
| 4           | NLN3794            | 1           | Decoder Module Rdr16 ▲                                                         | 15          |                    | 1           | Conduit Nipple, 1.25" ●                      |
| 5           | N1551-X            | 1           | Receiver Module (See<br>Finished Goods Price List<br>For Specific Frequency) ▲ | 16          | 91-1884            | 1           | Adapter, Osmac, 13" X 8.5",<br>Sst           |
| 6           | NPN8010            | 1           | Transformer, 24 Vac ▲                                                          | 17          | 91-1860            | 1           | Cover, Osmac                                 |
| 7           | 363-1553           | 2           | Lug, Grounding                                                                 | 18          | 363-3438           | 2           | Screw, #10-32 X 3/4", Sst                    |
| 8           | 91-1905            |             | Cable Assy., Surge<br>Protection, Short ■                                      | 19          | 91-1508            | 1           | Cabinet Assy., Sst (Includes<br>Items 19-21) |
| 8           | 91-1906            |             | Cable Assy., Surge<br>Protection, Medium ■                                     | 20          |                    | 2           | Door ●                                       |
| 8           | 91-1907            |             | Cable Assy., Surge<br>Protection, Long ■                                       | 21          | 363-5369           | 2           | Lock Assy., W/Keys                           |
| 9           | 91-2151            |             | Cable Assy., El, Short ■                                                       | 22          | 91-1441            | 2           | Mounting Plate, Rear                         |
| 9           | 91-2152            |             | Cable Assy., El, Medium ■                                                      | 23          | 91-1957            |             | Pcb, Surge Protection,<br>8-Station ■        |
| 9           | 91-2153            |             | Cable Assy., El, Long ■                                                        | 24          | 363-3313           |             | Terminal Block, 9-Position ■                 |
| 10          | 91-2433            | 1           | Cable Assy.,<br>Pump/Common                                                    | 25          | 91-1305            | 1           | Pcb Assy., Surge Protection,<br>Pump/Com     |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

# OSMAC Satellite - 8 x 13 Metal Ped., Hydraulic



# OSMAC Satellite - 8 x 13 Metal Ped., Hydraulic (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                            |
|-------------|--------------------|-------------|--------------------------------------------------------------------------|-------------|--------------------|-------------|-----------------------------------------------------------------------------------------------|
| 1           |                    | 1           | Housing, Rdr50 ■                                                         | 12          | 91-1884            | 1           | Adapter, Osmac, 13" X 8.5", Sst                                                               |
| 2           |                    | 1           | Cover, Housing ■                                                         | 13          |                    | 1           | Conduit Nipple, 1-1/4" ■                                                                      |
| 3           | NLN3491A           | 1           | Output Pcb, 8-Station ♦                                                  | 14          |                    | 1           | Locknut, 1-1/4" ■                                                                             |
| 4           | NLN3485            | 1           | Decoder Module Rdr50 ♦                                                   | 15          | 91-1860            | 1           | Cover, Osmac                                                                                  |
| 4           | NLN3794            | 1           | Decoder Module Rdr16 ♦                                                   | 16          | 363-3438           | 2           | Screw, #10-32 X 3/4", Sst                                                                     |
| 5           | N1551-X            | 1           | Receiver Module (See Finished Goods Price List For Specific Frequency) ♦ | 17          | 91-1508            | 1           | Cabinet Assy., Sst (Includes Items 17-19) ●                                                   |
| 6           | NPN8010            | 1           | Transformer, 24 Vac ♦                                                    | 18          |                    | 2           | Door ■                                                                                        |
| 7           | 363-1553           | 2           | Lug, Grounding                                                           | 19          | 363-5369           | 2           | Lock Assy., W/Keys                                                                            |
| 8           | 91-1899            |             | Cable Assy., Hydraulic, Short ▲                                          | 20          |                    | 1           | Plate, Mounting ■                                                                             |
| 8           | 91-1901            |             | Cable Assy., Hydraulic, Medium ▲                                         | 21          |                    | 1           | Electric/Hydraulic Converter Module (See Electric-Hydraulic Converter Module Assy. Section) ■ |
| 8           | 91-1902            |             | Cable Assy., Hydraulic, Long ▲                                           | 22          |                    | 1           | Mounting Plate, Terminal Block ■                                                              |
| 9           | 363-2371           | 1           | Terminal Block, 3-Position                                               | 23          | 363-1553           | 1           | Lug, Grounding                                                                                |
| 10          |                    | 1           | Surge Protector, Osmac ■                                                 | 24          | 363-3263           |             | Terminal Block, 9-Position ▲                                                                  |
| 11          | 91-1865            | 1           | Cover, Safety, AC                                                        |             |                    |             |                                                                                               |

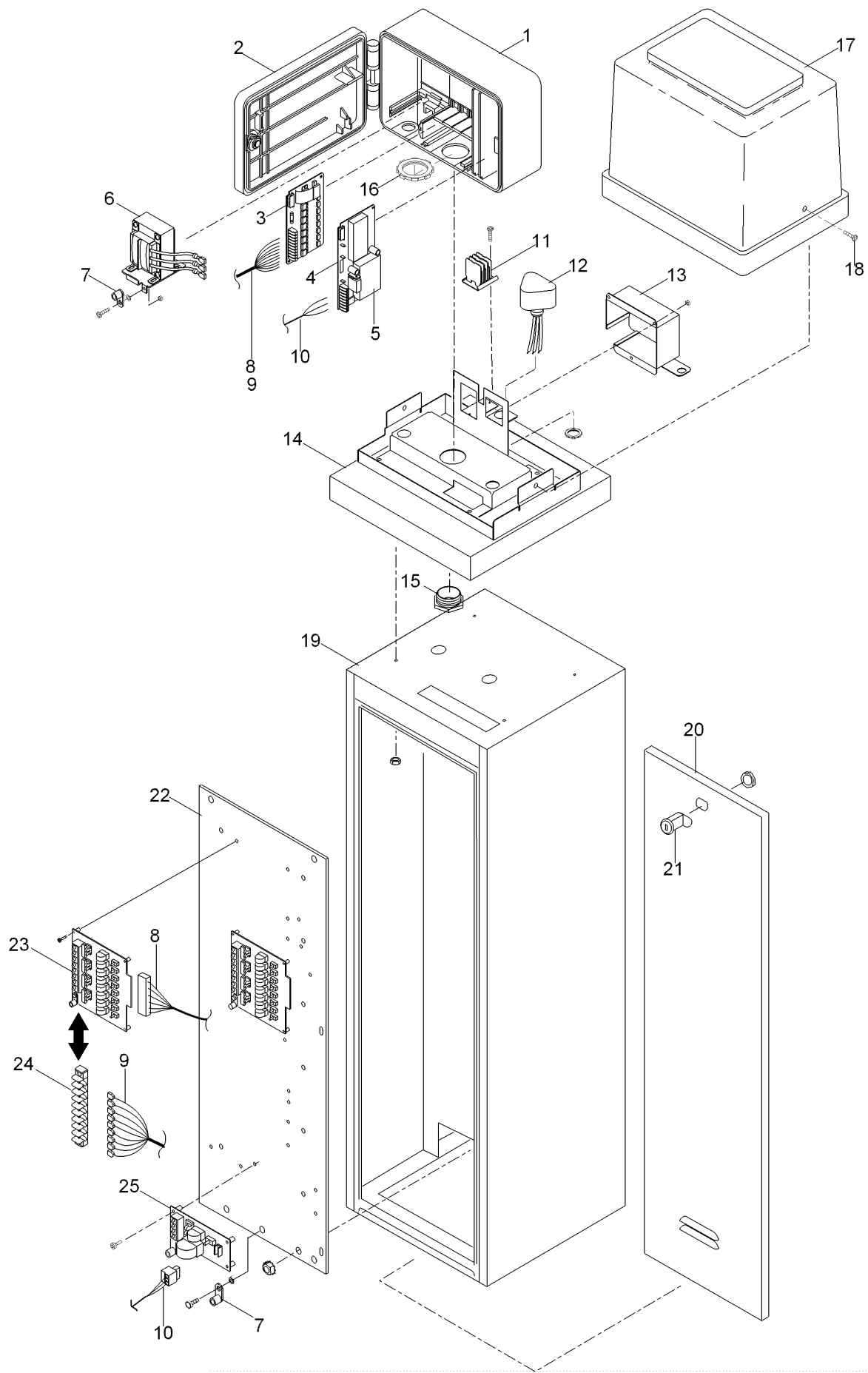
● (Includes Items 17-19)

▲ Quantity Varies With Model

♦ Order Through Finished Goods Distribution System - Minneapolis

■ Not serviced separately

# OSMAC Satellite - 13 x 13 Metal Ped, Electric



# OSMAC Satellite - 13 x 13 Metal Ped, Electric (continued)

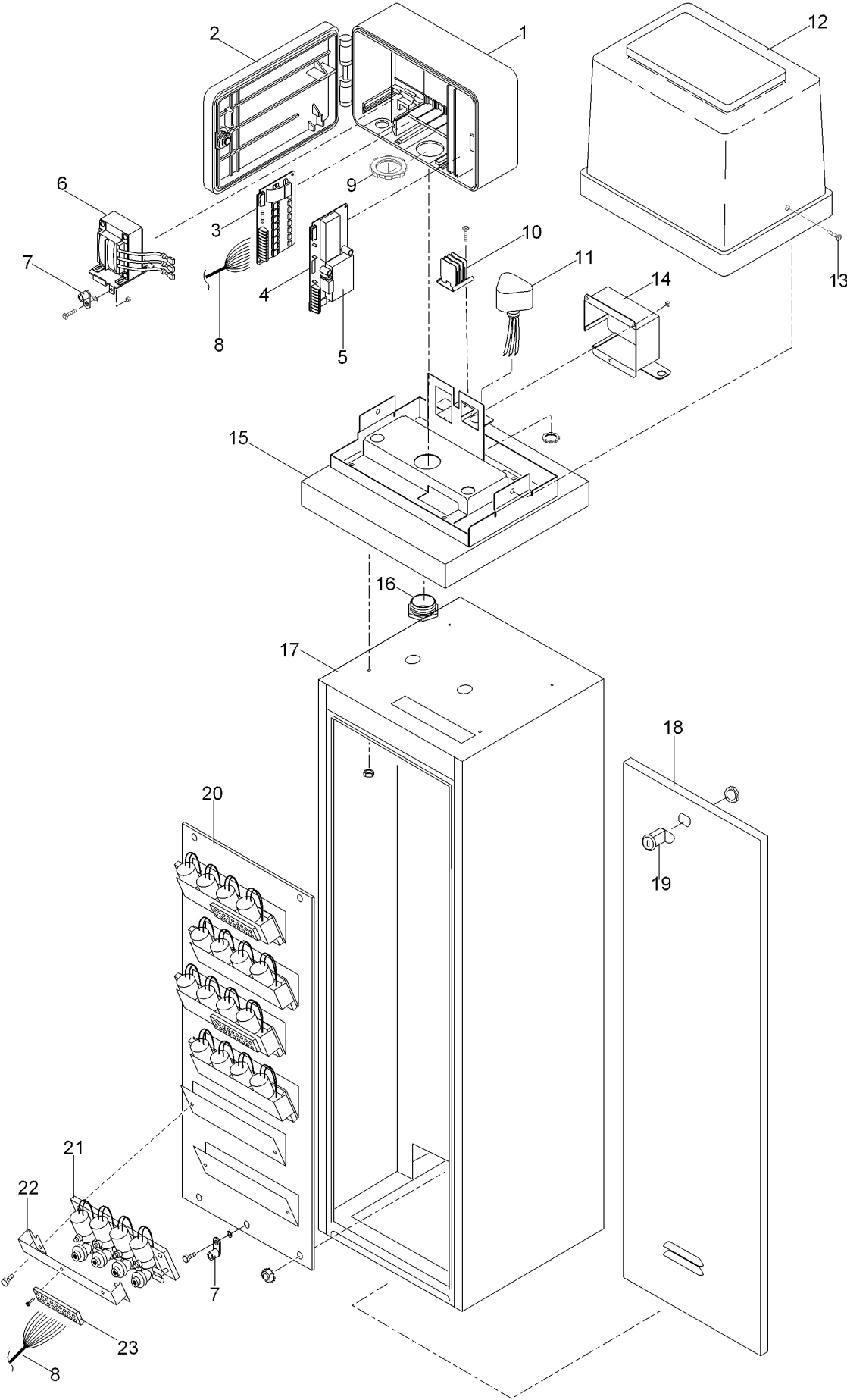
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                           |
|-------------|--------------------|-------------|--------------------------------------------------------------------------------|-------------|--------------------|-------------|----------------------------------------------|
| 1           |                    | 1           | Housing, Rdr50 ●                                                               | 11          | 363-2371           | 1           | Terminal Block, 3-Position                   |
| 2           |                    | 1           | Cover, Housing ●                                                               | 12          |                    | 1           | Surge Protector, Osmac ●                     |
| 3           | NLN3491A           | 1           | Output Pcb, 8-Station ▲                                                        | 12          | 89-6870            | 1           | Surge Protector, Osmac                       |
| 4           | NLN3485            | 1           | Decoder Module Rdr50 ▲                                                         | 13          | 91-1865            | 1           | Cover, Safety, AC                            |
| 4           | NLN3794            | 1           | Decoder Module Rdr16 ▲                                                         | 14          |                    | 1           | Locknut, 1-1/4" ●                            |
| 5           | N1551-X            | 1           | Receiver Module (See<br>Finished Goods Price List<br>For Specific Frequency) ▲ | 15          |                    | 1           | Conduit Nipple, 1-1/4" ●                     |
| 6           | NPN8010            | 1           | Transformer, 24 Vac ▲                                                          | 16          | 91-1884            | 1           | Adapter, Osmac, 13" X 8.5",<br>Sst           |
| 7           | 363-1553           | 2           | Lug, Grounding                                                                 | 17          | 91-1860            | 1           | Cover, Osmac                                 |
| 8           | 91-1905            |             | Cable Assy., Surge<br>Protection, Short ■                                      | 18          | 363-3438           | 2           | Screw, #10-32 X 3/4", Sst                    |
| 8           | 91-1906            |             | Cable Assy., Surge<br>Protection, Medium ■                                     | 19          | 89-7128            | 1           | Cabinet Assy., Sst (Includes<br>Items 17-19) |
| 8           | 91-1907            |             | Cable Assy., Surge<br>Protection, Long ■                                       | 20          |                    | 2           | Door ●                                       |
| 9           | 91-2151            |             | Cable Assy., El, Short ■                                                       | 21          | 363-5369           | 2           | Lock Assy., W/Keys                           |
| 9           | 91-2152            |             | Cable Assy., El, Medium ■                                                      | 22          |                    | 1           | Plate, Mounting ●                            |
| 9           | 91-2153            |             | Cable Assy., El, Long ■                                                        | 23          | 91-1957            | 1           | Pcb, Surge Protection,<br>8-Station          |
| 10          | 91-2433            | 1           | Cable Assy.,<br>Pump/Common                                                    | 24          |                    | 1           | Terminal Block, 9-Position ●                 |
|             |                    |             |                                                                                | 25          | 91-1305            | 1           | Pcb Assy., Surge Protection,<br>Pump/Com     |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

# OSMAC Satellite - 13 x 13 Metal Ped, Hydraulic





# OSMAC Satellite - 13 x 13 Metal Ped, Hydraulic (continued)

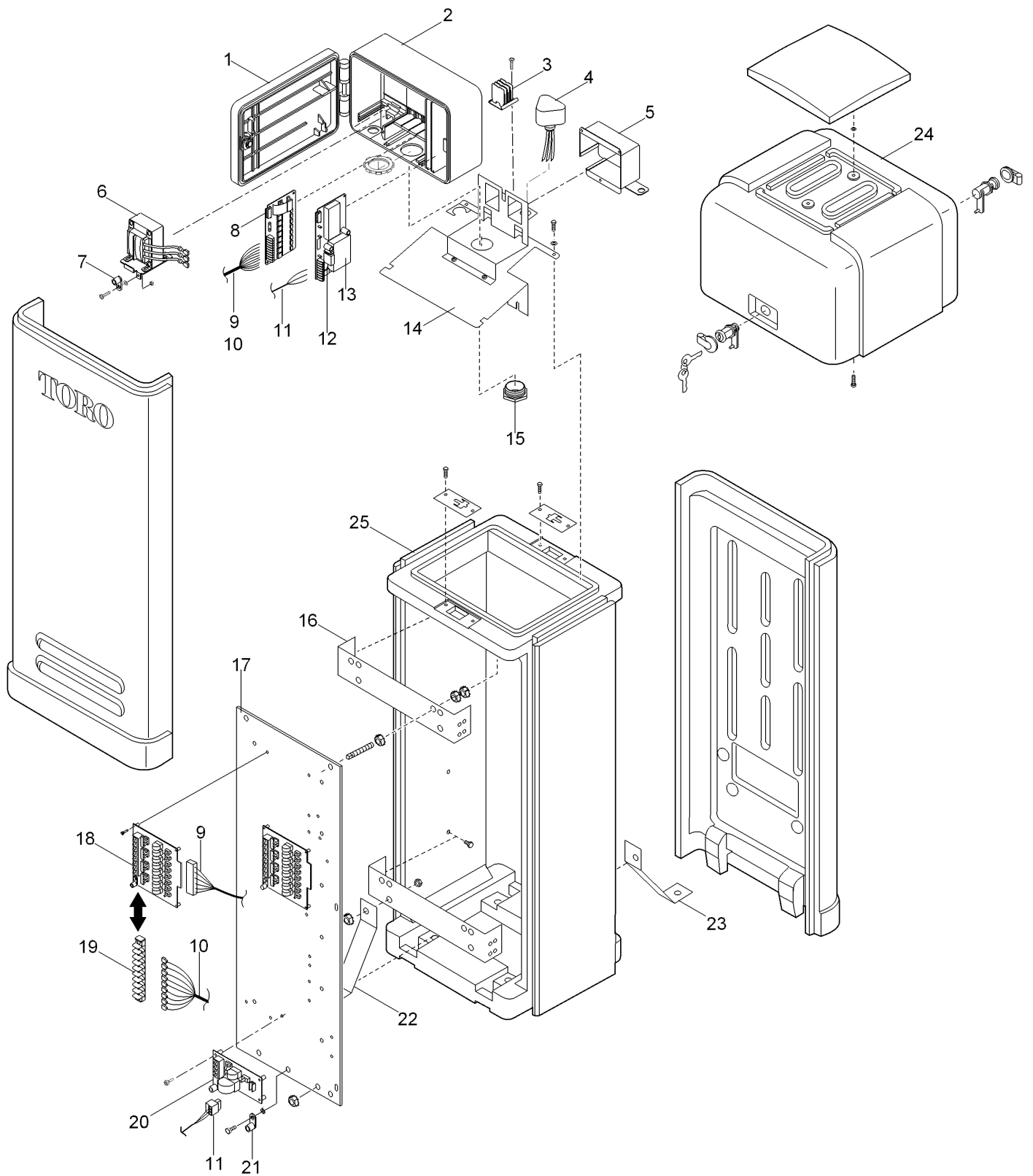
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                                              |
|-------------|--------------------|-------------|--------------------------------------------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------------------------------------------------|
| 1           |                    | 1           | Housing, Rdr50 ●                                                         | 12          | 91-1860            | 1           | Cover, Osmac                                                                                    |
| 2           |                    | 1           | Cover, Housing ●                                                         | 13          | 363-3438           | 2           | Screw, #10-32 X 3/4", Sst                                                                       |
| 3           | NLN3491A           | 1           | Output Pcb, 8-Station ▲                                                  | 14          | 91-1865            | 1           | Cover, Safety, AC                                                                               |
| 4           | NLN3485            | 1           | Decoder Module Rdr50 ▲                                                   | 15          | 91-1886            | 1           | Adapter, Osmac, 13 X 13, Sst                                                                    |
| 4           | NLN3794            | 1           | Decoder Module Rdr16 ▲                                                   | 16          |                    | 1           | Conduit Nipple, 11/4" ●                                                                         |
| 5           | N1551-X            | 1           | Receiver Module (See Finished Goods Price List For Specific Frequency) ▲ | 17          | 89-7128            | 1           | Cabinet Assy., Sst (Includes Items 17-19)                                                       |
| 6           | NPN8010            | 1           | Transformer, 24 Vac ▲                                                    | 18          |                    | 2           | Door ●                                                                                          |
| 7           | 363-1553           | 1           | Lug, Grounding                                                           | 19          | 363-5369           | 2           | Lock Assy., W/Keys                                                                              |
| 8           | 91-1899            |             | Cable Assy., Hydraulic, Short ■                                          | 20          |                    |             | Plate, Mounting ● ■                                                                             |
| 8           | 91-1901            |             | Cable Assy., Hydraulic, Medium ■                                         | 21          |                    |             | Electric/Hydraulic Converter Module (See Electric-Hydraulic Converter Module Assy. Section) ● ■ |
| 8           | 91-1902            |             | Cable Assy., Hydraulic, Long ■                                           | 22          |                    |             | Bracket Support, Electric/Hydraulic Converter ● ■                                               |
| 9           |                    | 1           | Locknut, 1-1/4" ●                                                        | 23          | 363-3263           |             | Terminal Block, 9-Position ■                                                                    |
| 10          | 363-2371           | 1           | Terminal Block, 3-Position                                               |             |                    |             |                                                                                                 |
| 11          |                    | 1           | Surge Protector, Osmac ●                                                 |             |                    |             |                                                                                                 |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

# OSMAC Satellite - Plastic Pedestal, Electric



# OSMAC Satellite - Plastic Pedestal, Electric (continued)

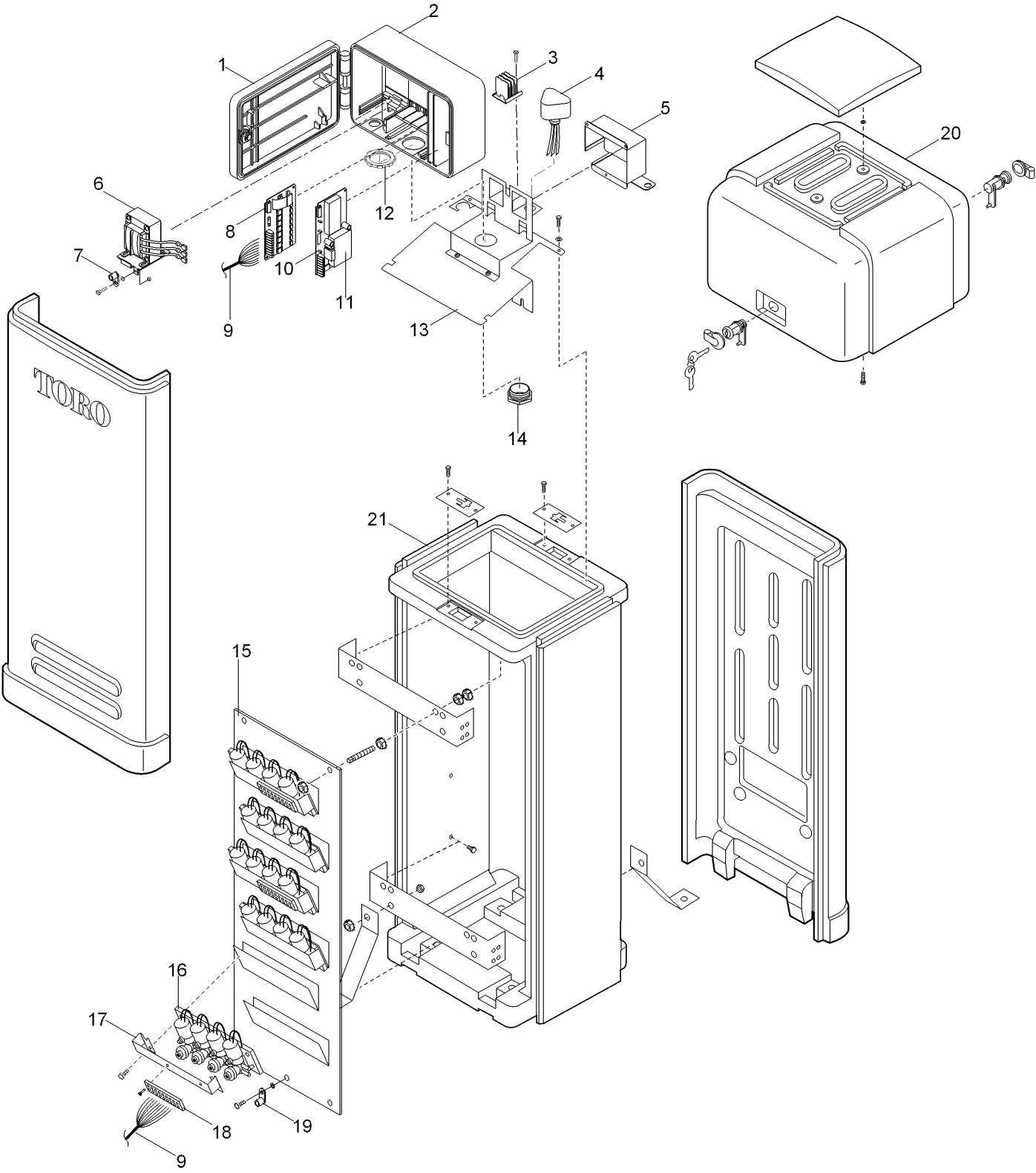
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|------------------------------|
| 1           |                    | 1           | Cover, Housing ●           | 13          | N1551-X            | 1           | Receiver Module (See         |
| 2           |                    | 1           | Housing, Rdr50 ●           |             |                    |             | Finished Goods Price List    |
| 3           | 363-2371           | 1           | Terminal Block, 3-Position |             |                    |             | For Specific Frequency) ▲    |
| 4           |                    | 1           | Surge Protector, Osmac ●   | 14          |                    | 1           | Adapter, Osmac, Stainless    |
| 5           | 91-1865            | 1           | Cover, Safety, AC          |             |                    |             | Steel ●                      |
| 6           | NPN8010            | 1           | Transformer, 24 Vac ▲      | 15          |                    | 1           | Conduit Nipple, 1.25" ●      |
| 7           | 363-1553           | 2           | Lug, Grounding             | 16          |                    | 2           | Bracket ●                    |
| 8           | NLN3491A           | 1           | Output Pcb, 8-Station ▲    | 17          | 91-1441            | 2           | Mounting Plate, Rear         |
| 9           | 91-1905            |             | Cable Assy., Surge         | 18          | 91-1957            |             | Pcb, Surge Protection,       |
|             |                    |             | Protection, Short ■        |             |                    |             | 8-Station ■                  |
| 9           | 91-1906            |             | Cable Assy., Surge         | 19          | 363-3263           |             | Terminal Block, 9-Position ■ |
|             |                    |             | Protection, Medium ■       | 20          | 91-1305            | 1           | Pcb Assy., Surge Protection, |
| 9           | 91-1907            |             | Cable Assy., Surge         |             |                    |             | Pump/Com                     |
|             |                    |             | Protection, Long ■         | 21          | 363-1553           | 1           | Lug, Grounding               |
| 10          | 91-2151            |             | Cable Assy., El, Short ■   | 22          |                    | 1           | Bracket Support ●            |
| 10          | 91-2152            |             | Cable Assy., El, Medium ■  | 23          |                    | 1           | Bracket Support, Offset ●    |
| 10          | 91-2153            |             | Cable Assy., El, Long ■    | 24          | 89-8344            | 1           | Cover, Plastic, Tall         |
| 11          | 91-2433            | 1           | Cable Assy.,               | 25          |                    | 1           | See Plastic Satellite        |
|             |                    |             | Pump/Common                |             |                    |             | Pedestal Section For         |
| 12          | NLN3485            | 1           | Decoder Module Rdr50 ▲     |             |                    |             | Details. ●                   |
| 12          | NLN3794            |             | Decoder Module Rdr16 ▲     |             |                    |             |                              |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

■ Quantity Varies With Model

## OSMAC Satellite - Plastic Pedestal, Hydraulic



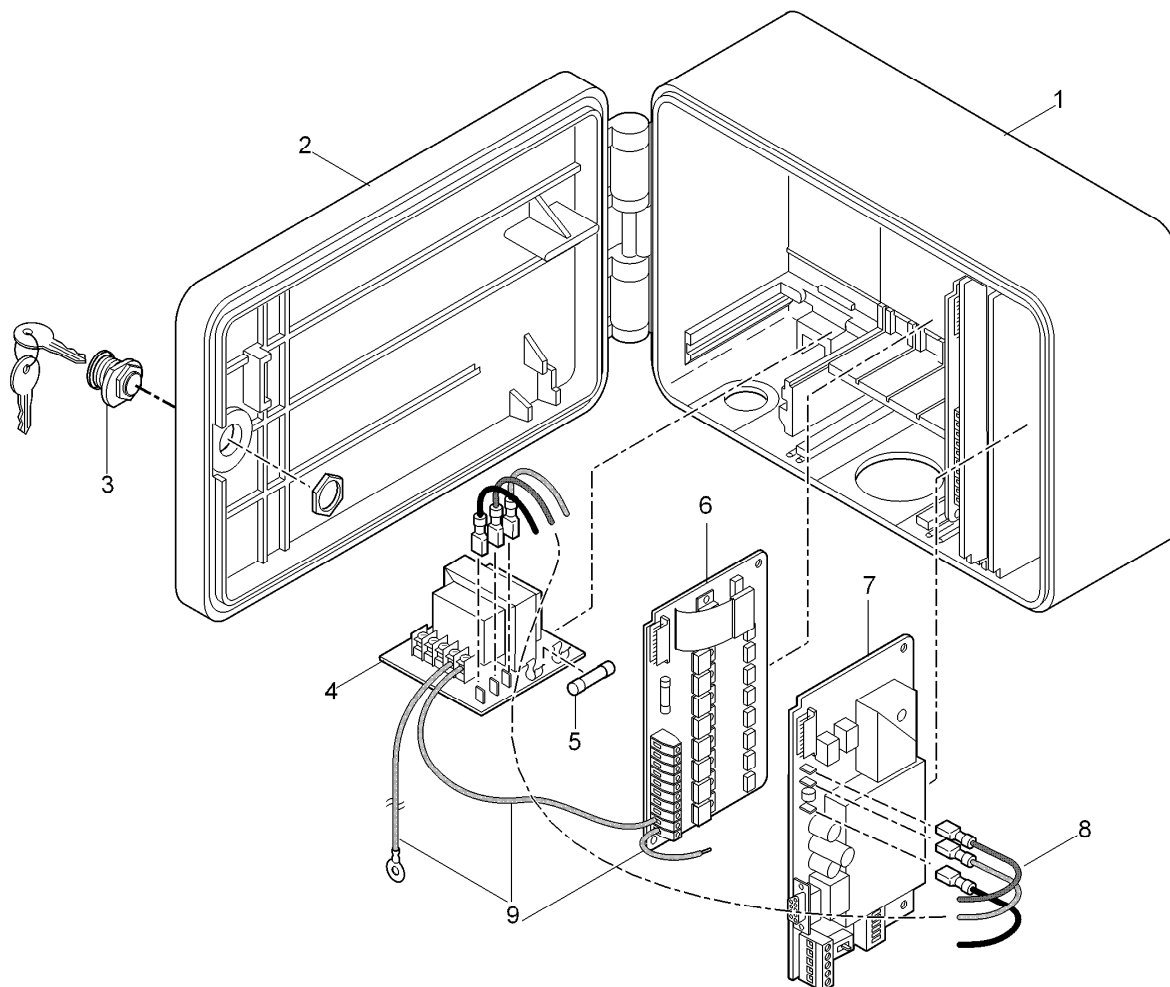
# OSMAC Satellite - Plastic Pedestal, Hydraulic (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                    |
|-------------|--------------------|-------------|---------------------------------------|-------------|--------------------|-------------|-------------------------------------------------------|
| 1           |                    | 1           | Cover, Housing ●                      | 12          | 363-3259           | 1           | Locknut 1.25"                                         |
| 2           |                    | 1           | Housing, Rdr50 ●                      | 13          |                    | 1           | Adapter, Osmac, Stainless Steel ●                     |
| 3           | 363-2371           | 1           | Terminal Block, 3-Position            | 14          | 363-3258           | 1           | Conduit Nipple, 1.25"                                 |
| 4           |                    | 1           | Surge Protector, Osmac ●              | 15          |                    | 2           | Plate, Mounting ●                                     |
| 5           | 91-1865            | 1           | Cover, Safety, AC                     | 16          |                    |             | Electric/Hydraulic                                    |
| 6           | NPN8010            | 1           | Transformer, 24 Vac ▲                 |             |                    |             | Converter Module (See                                 |
| 7           | 363-1553           | 2           | Lug, Grounding                        |             |                    |             | Electric-Hydraulic Converter                          |
| 8           | NLN3491A           | 1           | Output Pcb, 8-Station ▲               |             |                    |             | Module Assy. Section) ●■                              |
| 9           | 91-1899            |             | Cable Assy., Hydraulic, Short ■       | 17          | 91-1562            |             | Mounting Plate, Terminal Block ■                      |
| 9           | 91-1901            |             | Cable Assy., Hydraulic, Medium ■      | 18          | 363-3263           |             | Terminal Block, 9-Position ■                          |
| 9           | 91-1902            |             | Cable Assy., Hydraulic, Long ■        | 19          | 363-1553           | 1           | Lug, Grounding                                        |
| 10          | NLN3485            | 1           | Decoder Module Rdr50 ▲                | 20          | 89-8344            | 1           | Cover, Plastic, Tall                                  |
| 10          | NLN3794            | 1           | Decoder Module Rdr16 ▲                | 21          |                    | 1           | See Plastic Satellite Pedestal Section For Details. ● |
| 11          | N1551              | 1           | Receiver Module (Specify Frequency) ▲ |             |                    |             |                                                       |

● Not serviced separately

▲ Order Through Finished Goods Distribution System - Minneapolis

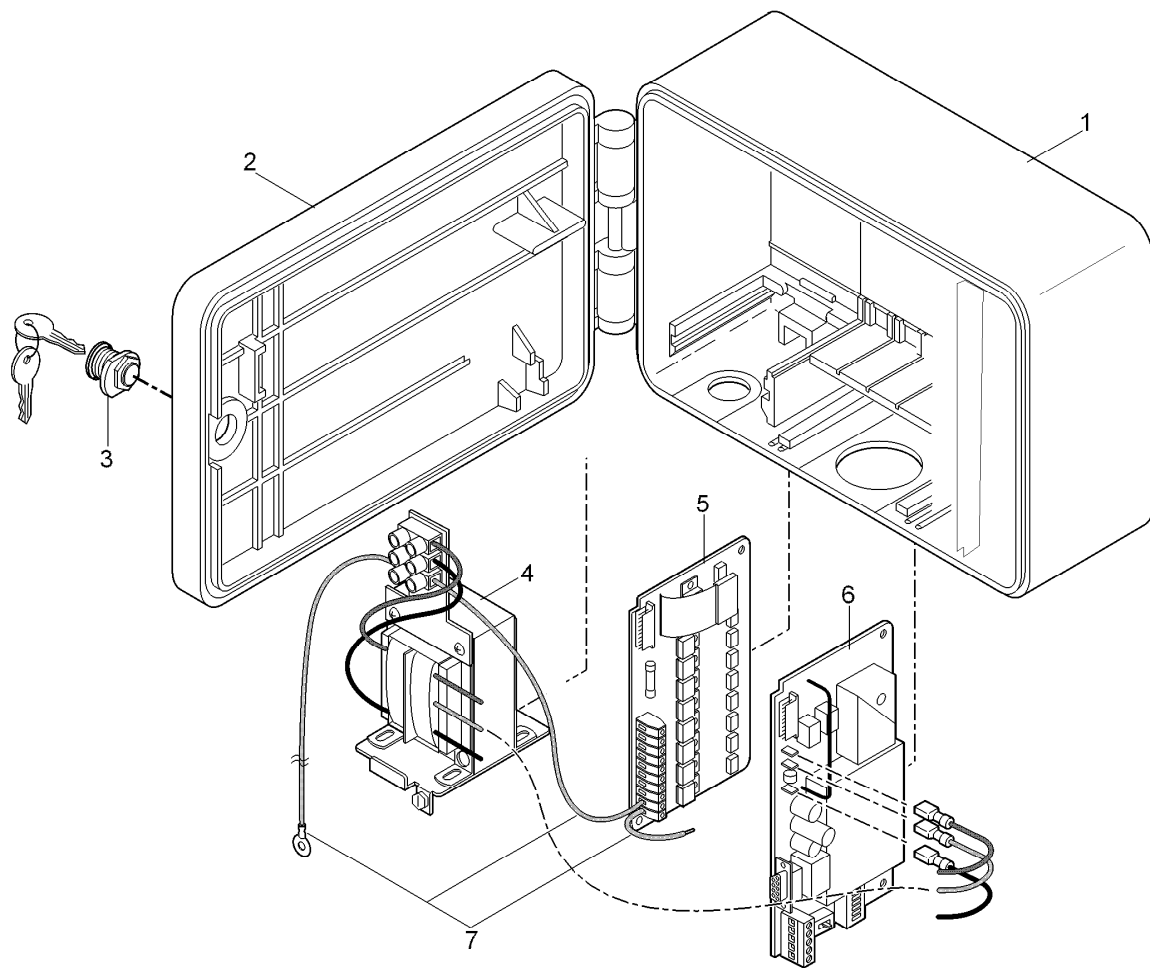
■ Quantity Varies With Model



## OSMAC RDR - Model RDR0160LVNO

| Ref. | Part Number | Qty. | Description                                       |
|------|-------------|------|---------------------------------------------------|
| 1    | 102-2921    | 1    | Kit, Osmac Rdr Housing                            |
| 2    | 102-2920    | 1    | Kit, Osmac Rdr Housing Cover<br>(Includes Item 3) |
| 3    | 363-4120    | 1    | Lock Assy. W/Keys                                 |
| 4    | 102-3067    | 1    | 24 To 12 V A.C. Transformer Board                 |
| 5    | 102-3068    | 1    | 2A Slow-Blow Fuse                                 |
| 6    | NLN3491A    | 2    | Output Pcb, 8-Station ●                           |
| 7    | 102-1828    | 1    | Pcba, Osmac, Narrow-Band Decoder                  |
| 8    | 102-3069    | 1    | Kit, Power Wires, Rdr Lv                          |
| 9    | 102-3077    | 1    | Kit, Ground Wires (3)                             |

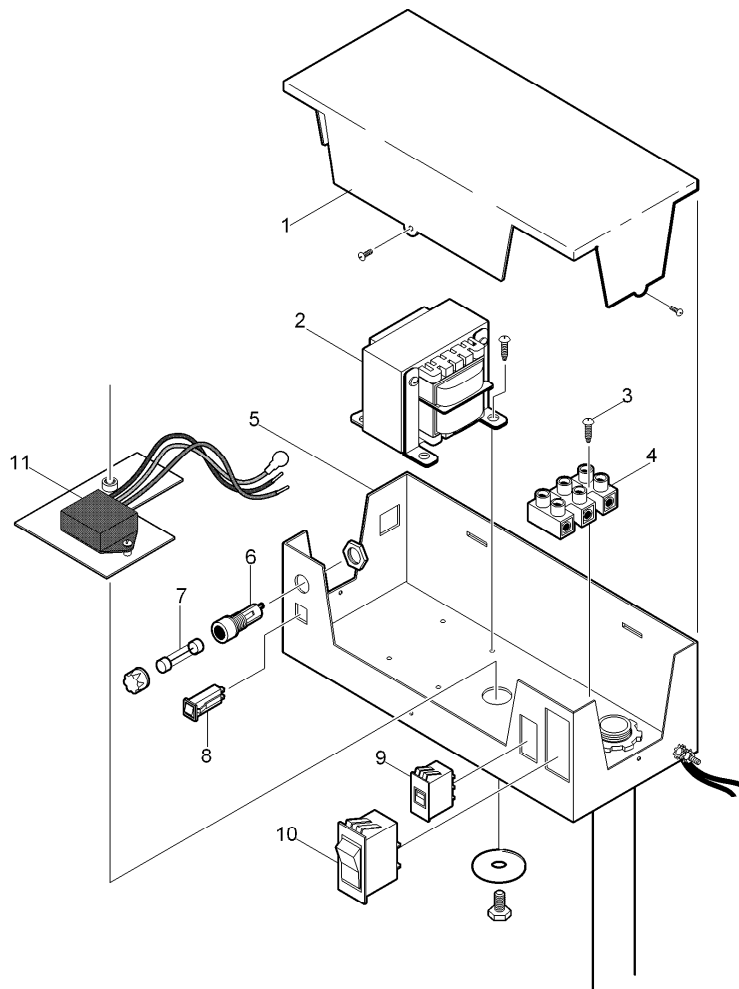
● Order Through Finished Goods Distribution System - Minneapolis



## OSMAC RDR - Model RDR0160LVCE

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                           |
|-------------|--------------------|-------------|----------------------------------------------|
| 1           | 102-2921           | 1           | Kit, Osmac Rdr Housing                       |
| 2           | 102-2920           | 1           | Kit, Osmac Rdr Housing Cover                 |
| 3           | 363-4120           | 1           | Lock Assy. W/Keys                            |
| 4           | 102-3076           | 1           | 24 To 12 V A.C. Transformer W/Terminal Block |
| 5           | NLN3491A           | 2           | Output Pcb, 8-Station ●                      |
| 6           | 102-1828           | 1           | Pcba, Osmac, Narrow-Band Decoder             |
| 7           | 102-3077           | 1           | Kit, Ground Wires (3)                        |

● Order Through Finished Goods Distribution System - Minneapolis



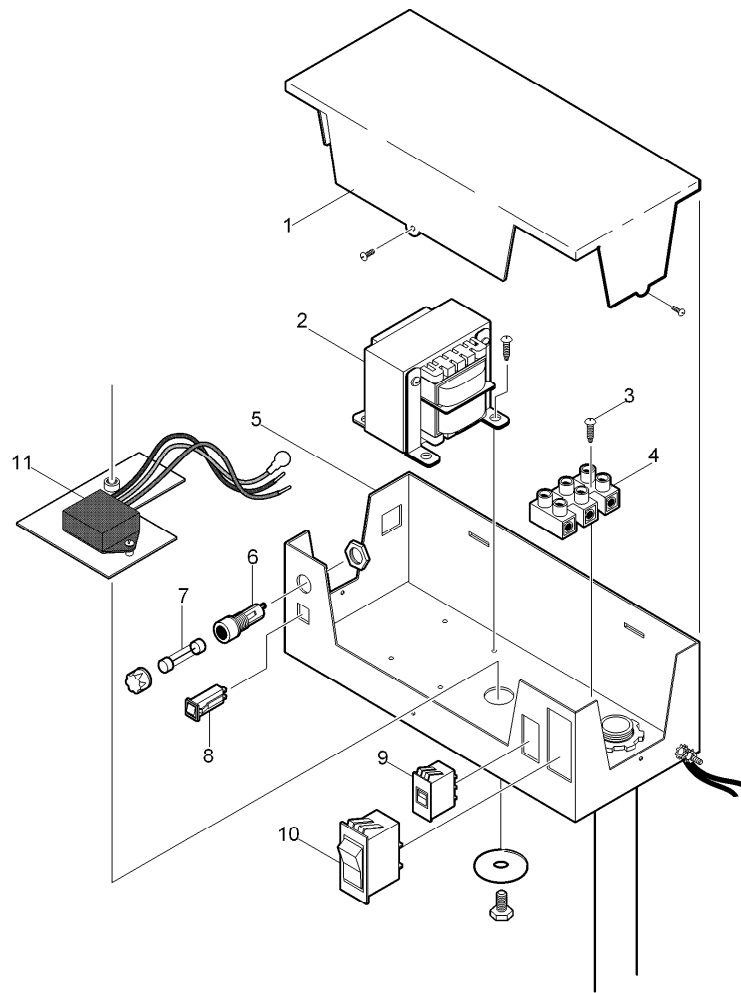
## OSMAC RDR Unit - Power Supply Assembly

| Ref. | Part Number    | Qty. | Description                                 |
|------|----------------|------|---------------------------------------------|
| 1    |                | 1    | Cover ■                                     |
| 2    | 102-0647       | 1    | Transformer Assy., Svc. ●                   |
| 3    |                | 6    | Screw, Tap, #6 ■                            |
| 4    | 102-0667       | 1    | Terminal Block, 115/230V, (Includes Item 3) |
| 5    |                | 1    | Bracket, Rdr Power Supply ■                 |
| 6    | 102-0649       | 1    | Fuse Holder W/Cap                           |
| 7    | 102-0650       | 1    | Fuse, 3.2 Amp, Slow-Blow (10-Pack) ●        |
| 8    | 102-0651       | 1    | Circuit Breaker, 4.0 Amp                    |
| 9    | 102-0648       | 1    | Slide Switch 115/230V                       |
| 10   | 102-0666       | 1    | On/Off Switch                               |
| 11   | 118-0538SK-RDR | 1    | Surge Protector Assy.                       |

● SERVICE ITEMS

■ Not serviced separately



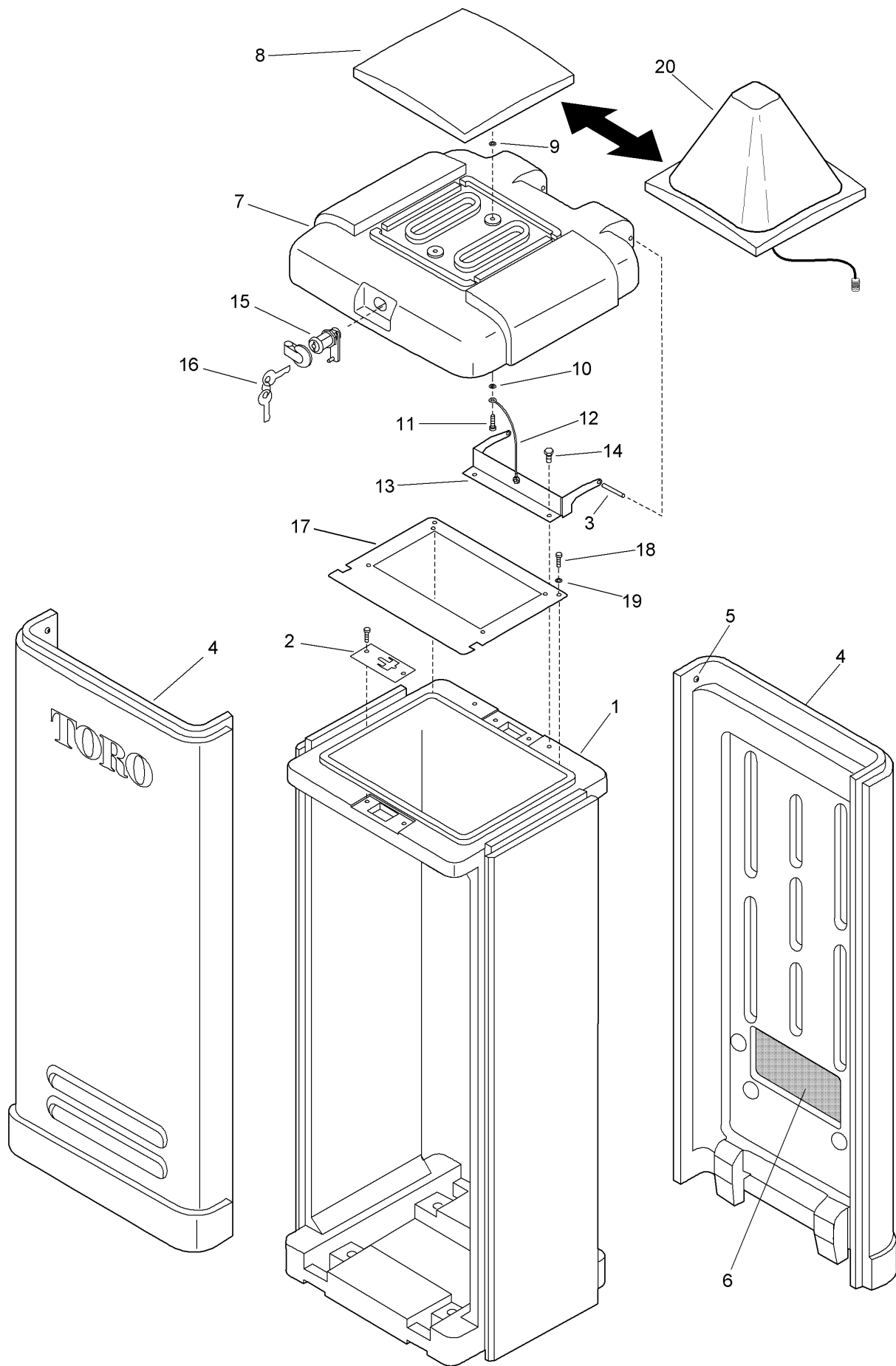


## OSMAC RDR Unit - Power Supply Assembly (continued)

● SERVICE ITEMS

■ Not serviced separately

# Plastic Satellite Pedestal 2006 And Earlier Models



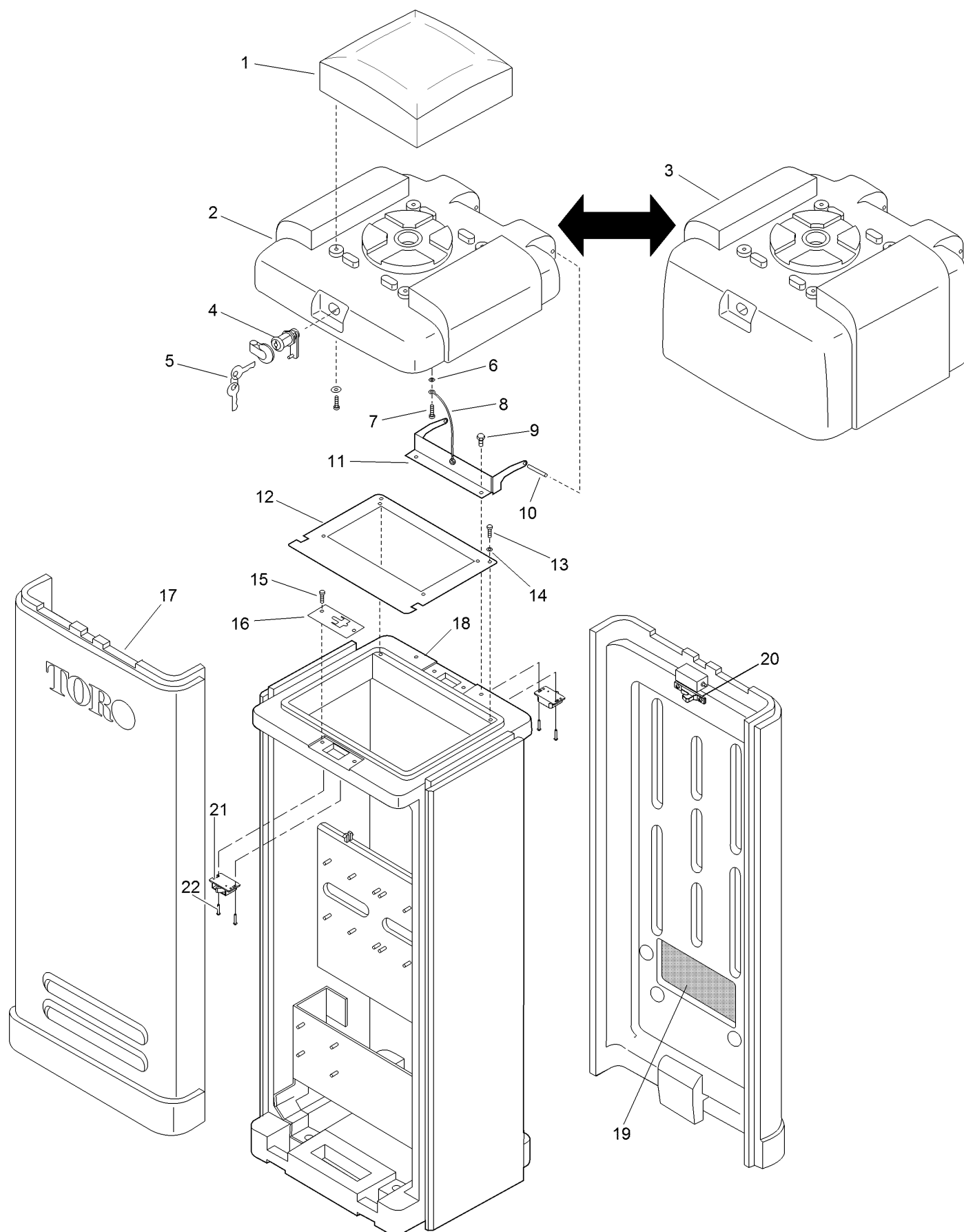
# Plastic Satellite Pedestal 2006 And Earlier Models (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                              |
|-------------|--------------------|-------------|--------------------------------------------------------------|-------------|--------------------|-------------|---------------------------------------------------------------------------------|
| 1           | 89-8348            | 1           | Base Assy., Service<br>(Includes Items 2 & 3)<br>●           | 11          | 363-3438           | 1           | Screw, #10-32 X 3/4", Sst                                                       |
| 2           | 102-6155           | 1           | Plate, Locking                                               | 12          | 102-3086           | 1           | Cable, Restraining                                                              |
| 3           | 363-3539           | 2           | Pin                                                          | 13          | 102-5915           | 1           | Hinge, Cover                                                                    |
| 4           | 89-8347            | 1           | Door Assy., Service ●                                        | 14          | 360-0595           | 2           | Screw, Machine, 1/4-20 X<br>1/2"                                                |
| 5           |                    | 2           | Detent Latch Assy., Door ■                                   | 15          | 89-8346            | 1           | Lock Kit, Service (Includes<br>Items 15, 16 & Lock Cover)<br>●                  |
| 6           |                    | 2           | Air Filter, Foam ■                                           | 16          | 360-0565           | 2           | Keys, Lock (Golf #1382)                                                         |
| 7           | 89-8345            | 1           | Cover Assy., Standard,<br>Service (Includes Items<br>8-16) ● | 17          | 102-0664           | 1           | Tm Mounting Faceplate                                                           |
| 8           | 89-8355            | 1           | Vent Cap Assy., Service<br>(Includes Items 9-11) ●           | 18          | 363-3541           | 2           | Screw, Trim, #6                                                                 |
| 9           |                    | 2           | Washer, Silicone ■                                           | 19          | 363-3542           | 2           | Washer, Finish, #6                                                              |
| 10          |                    | 2           | Washer, Flat ■                                               | 20          | 102-3126           |             | Dome Antenna Assy., Used<br>In Vp / Ltc+ And E-Osmac<br>(2006 And Later Models) |

● SERVICE ITEMS

■ Not serviced separately

# Plastic Satellite Pedestal 2007-2010 Models



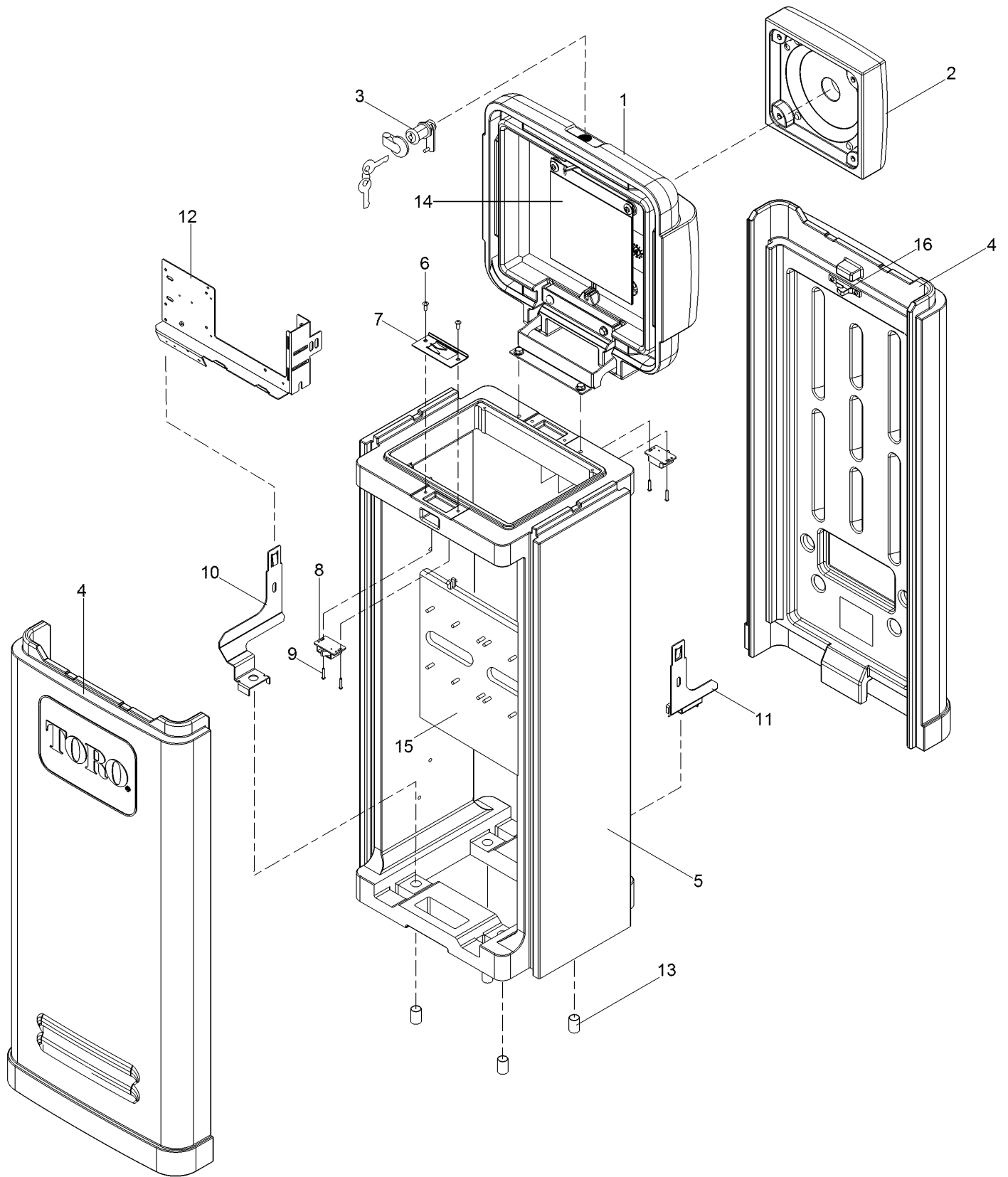
## Plastic Satellite Pedestal 2007-2010 Models (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 102-4778SK         | 1           | Cap, Vent, Green                               | 13          | 363-3541           | 2           | Screw, Trim, #6                                                    |
| 2           | 102-6147SK         | 1           | Cover, Plastic, Green<br>(Includes Items 1-11) | 14          | 363-3542           | 2           | Washer, Finish, #6                                                 |
| 3           | 102-6148SK         | 1           | Cover, Plastic, Rdr                            | 15          | 363-3707           | 2           | Screw-PPH                                                          |
| 4           | 89-8346            | 1           | Lock Kit, Service ●                            | 16          | 102-6155           | 1           | Plate, Locking                                                     |
| 5           | 360-0565           | 2           | Keys, Lock                                     | 17          | 102-6146SK         | 2           | Door, Plastic Pedestal,<br>Green (Includes Items 17<br>And 19)     |
| 6           |                    | 2           | Washer, Flat ■                                 | 18          | 102-4775SK         | 1           | Base, Plastic Pedestal,<br>Green (Includes Items 15,<br>16 And 18) |
| 7           | 363-3438           | 1           | Screw, #10-32 X 3/4", Sst                      | 19          |                    | 2           | Air Filter, Foam ■                                                 |
| 8           | 102-3086           | 1           | Cable, Restraining                             | 20          | 363-9527SK         | 2           | Keeper                                                             |
| 9           | 360-0595           | 2           | Screw, Machine, 1/4-20 X<br>1/2"               | 21          | 363-9526SK         | 2           | Catch                                                              |
| 10          | 363-3539           | 2           | Pin                                            | 22          | 363-9529           | 4           | Screw, #6 X 3/4                                                    |
| 11          | 102-5915           | 1           | Hinge, Cover                                   |             |                    |             |                                                                    |
| 12          | 102-0664           | 1           | Tm Mounting Faceplate                          |             |                    |             |                                                                    |

● SERVICE ITEMS

■ Not serviced separately

# Plastic Satellite Pedestal 2011 and Later



## Plastic Satellite Pedestal 2011 and Later (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                                                 |
|-------------|--------------------|-------------|----------------------------------------------------------------|-------------|--------------------|-------------|--------------------------------------------------------------------|
| 1           | 118-0825SK         | 1           | Assy., Short Cover, Green<br>(Includes Items 2 And 3)          | 8           | 363-9526SK         | 2           | Catch                                                              |
| 1           | 118-0826SK         | 1           | Assy., Short Cover, Desert<br>Sand (Includes Items 2 And<br>3) | 9           | 363-9529           | 4           | Screw, #6 X 3/4", SS                                               |
| 1           | 118-0827SK         | 1           | Assy., Short Cover, Tree<br>Bark (Includes Items 2 And<br>3)   | 10          | 102-8399SK         | 1           | Bracket, Transformer<br>Support, Right                             |
| 2           | 102-4778SK         | 1           | Ventcap, Plastic Pedestal,<br>Green                            | 11          | 102-8400SK         | 1           | Bracket, Transformer<br>Support, Left                              |
| 2           | 102-6958SK         | 1           | Ventcap, Plastic Pedestal,<br>Desert Sand                      | 12          | 102-8402SK         | 1           | Transformer Mounting Plate                                         |
| 2           | 102-6959SK         | 1           | Ventcap, Plastic Pedestal,<br>Tree Bark                        | 13          | 102-4774           | 4           | Seamless Tube, SS, 11/16"<br>X 1.00", Rohs                         |
| 3           | 89-8346            | 1           | Lock Kit, Service ●                                            | 14          | 118-0740           | 1           | Holder, Document                                                   |
| 4           | 118-0833SK         | 2           | Door Assy., Plastic Pedestal,<br>Green                         | 15          | 89-9931SK          | 1           | Mounting Front/Backplate,<br>Plastic                               |
| 4           | 118-0834SK         | 2           | Door Assy., Plastic Pedestal,<br>Desert Sand                   | 16          | 363-9527SK         | 2           | Keeper                                                             |
| 4           | 118-0835SK         | 2           | Door Assy., Plastic Pedestal,<br>Tree Bark                     |             | 118-1666SK         | 1           | Pedestal, Retrofit Kit, Green<br>(Includes Items 1-4) ■            |
| 5           | 102-4775SK         | 1           | Kit, Service, Base, Pedestal,<br>Green                         |             | 118-1667SK         | 1           | Pedestal, Retrofit Kit, Tree<br>Bark (Includes Items 1-4) ■        |
| 5           | 102-6491SK         | 1           | Plastic Pedestal Base,<br>Desert Sand                          |             | 118-1668SK         | 1           | Pedestal, Retrofit Kit, Desert<br>Sand (Includes Items 1-4) ■      |
| 5           | 102-6483SK         | 1           | Plastic Pedestal Base, Tree<br>Bark                            |             | 118-0828SK         | 1           | Complete Pedestal, Green<br>(Includes Items 1-9 And 13)<br>■       |
| 6           | 363-3707           | 2           | Screw-PPH                                                      |             | 118-0829SK         | 1           | Complete Pedestal, Tree<br>Bark (Includes Items 1-9<br>And 13) ■   |
| 7           | 102-9312           | 1           | Plate, Pedestal Latch, Rohs                                    |             | 118-0830SK         | 1           | Complete Pedestal, Desert<br>Sand (Includes Items 1-9<br>And 13) ■ |

● SERVICE ITEMS

■ Not illustrated



**Count on it.**