



## Reelmaster<sup>®</sup> 6500D 2WD/4WD

### Traction Unit

Model No. 03803—200000001 and Up

Model No. 03804—200000001 and Up

## Parts Catalog

### 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 illustrations and in part 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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## Accessories

| Description                    | Model / Part No. |
|--------------------------------|------------------|
| 5 Blade Cutting Unit .....     | 03857            |
| 7 Blade Cutting Unit .....     | 03858            |
| 11 Blade Cutting Unit .....    | 03859            |
| Dethatching Cutting Unit ..... | 03871            |
| Rear Weight Kit .....          | 94–2836          |
| Rear Roller Scraper Kit .....  | 98–7996          |
| Front Roller Scraper Kit ..... | 95–7737          |
| High Height of Cut Kit .....   | 03880            |

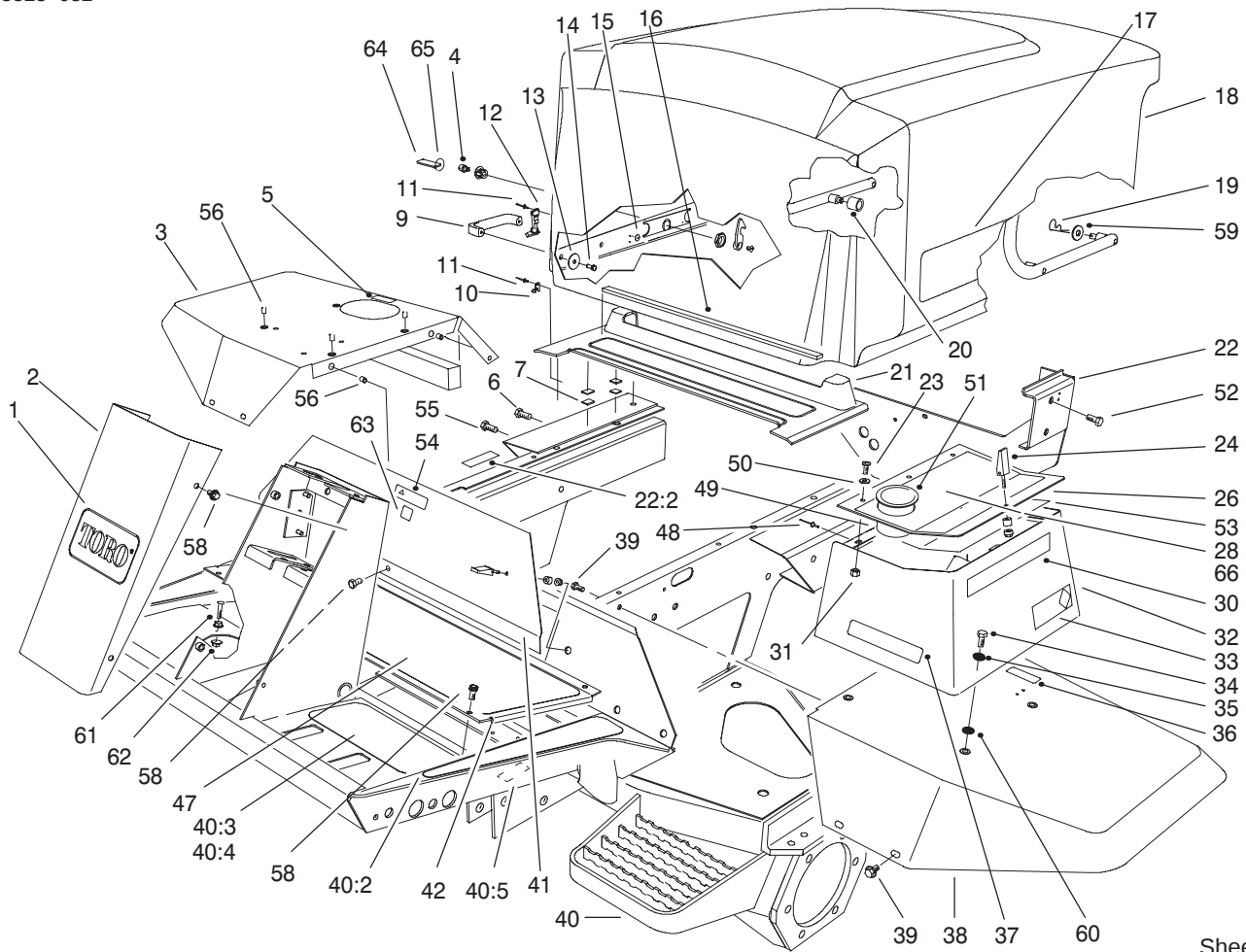
| Description                        | Model / Part No. |
|------------------------------------|------------------|
| Arm Rest Kit .....                 | 30707            |
| Grass Basket Kit .....             | 03882            |
| ROPS Accessories Kit .....         |                  |
| (Comes with 4WD Model 03804) ..... | 92–7571          |
| Accessory Kit .....                | 99–8957          |
| Japanese, Decal Kit .....          | 94–2831          |
| Electronic Leak Detector Kit ..... | 03521            |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning                           |
|--------------|-----------------------------------|
| AR .....     | as required                       |
| ASM .....    | assembly                          |
| CARR .....   | carriage                          |
| DEG .....    | degrees                           |
| FH .....     | flat head                         |
| GA .....     | gauge                             |
| HF .....     | hex flange                        |
| HH .....     | hex head                          |
| HHF .....    | hex head flange                   |
| HLH .....    | hex lag head                      |
| HJ .....     | hex jam                           |
| HOC .....    | height-of-cut                     |
| HS .....     | hex socket                        |
| HSBH .....   | hex socket button head            |
| HSFH .....   | hex socket flat head              |
| HSH .....    | hex socket head                   |
| HWH .....    | hex washer head                   |
| HWHTF .....  | hex washer head<br>thread forming |

| Abbreviation | Meaning                 |
|--------------|-------------------------|
| INC .....    | incorporated            |
| LH .....     | left hand               |
| NI .....     | nylon insert            |
| PPH .....    | Phillips pan head       |
| PTH .....    | Phillips truss head     |
| PTO .....    | power take off          |
| RH .....     | right hand              |
| SFH .....    | slotted fillister head  |
| SHH .....    | slotted hex head        |
| SQH .....    | square head             |
| SHWH .....   | slotted hex washer head |
| SPH .....    | slotted pan head        |
| SRH .....    | slotted round head      |
| STD .....    | standard                |
| TAP .....    | self tapping            |
| TTH .....    | Torx truss head         |
| WH .....     | wing head               |



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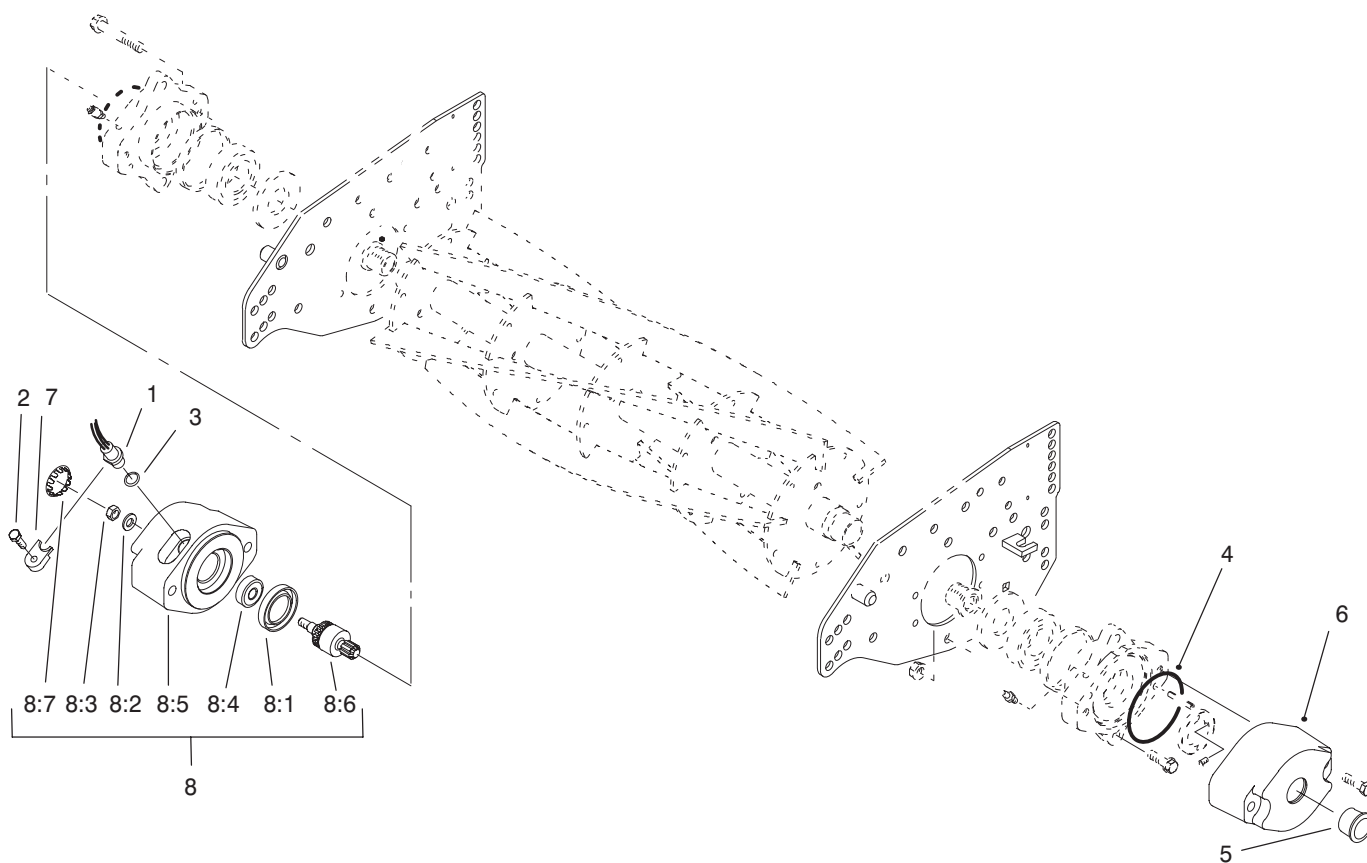
## Frame and Body Assembly

| Ref. No. | Part No.   | Qty. | Description          |
|----------|------------|------|----------------------|
| 1        | 62-5550    | 1    | Decal                |
| 2        | 93-7996-01 | 1    | Cover-Tower          |
| 3        | 94-3049-01 | 1    | Fender,RH            |
| 4        | 98-5398    | 1    | Latch                |
| 5        | 93-6686    | 1    | Decal-Oil, Hydraulic |
| 6        | 33106-035  | 8    | Screw-HHF            |
| 7        | 93-9155    | 2    | Velcro               |
| 9        | 65-5100    | 1    | Handle-Door          |
| 10       | 249-40     | 1    | Keeper               |
| 11       | 3269-8     | 4    | Rivet, 1/8" Dia      |
| 12       | 59-9740    | 1    | Flex Draw Latch ASM  |
| 13       | 3256-78    | 2    | Washer-Flat          |
| 14       | 46-8091    | 2    | Special-HWH          |
| 15       | 3269-10    | 2    | Washer-Back          |
| 16       | 92-7633    | 1    | Bumper- Hood         |
| 17       | 92-7532    | 2    | Decal-6500D          |
| 18       | 99-8952    | 1    | Hood                 |
| 19       | 3290-467   | 2    | Pin-Hair             |
| 20       | 93-7582    | 1    | Hose                 |
| 21       | 94-2617    | 1    | Pump Cover ASM       |
| 22       | 100-3825   | 1    | Rear Frame ASM       |
| 22:2     | 93-1265    | 1    | Decal-Hot Surface    |
| 23       | 3258-166   | 3    | Screw                |
| 24       | 74-5950    | 3    | Latch-Swell          |
| 26       | 93-9180-03 | 1    | Cover-Tool Box       |
| 28       | 93-1262    | 1    | Decal-Hillside       |

| Ref. No. | Part No.   | Qty. | Description             |
|----------|------------|------|-------------------------|
| 30       | 72-3560    | 1    | Decal (Only On: 03804)  |
| 31       | 32128-33   | 3    | Nut-HHF                 |
| 32       | 75-5810-03 | 1    | Box-Tool                |
| 33       | 93-0096    | 2    | Decal-Ace               |
| 34       | 322-3      | 4    | Screw-HH                |
| 35       | 3256-3     | 4    | Washer-Flat             |
| 36       | 93-6680    | 1    | Decal - Diesel Only     |
| 37       | 93-6689    | 1    | Decal - No Riders       |
| 38       | 75-3860    | 1    | Fender-LH               |
| 39       | 3234-14    | 10   | Screw-HHF               |
| 40       | 100-3805   | 1    | Front Frame ASM         |
| 40:2     | 93-7592    | 2    | Tread Foot Rest - LH    |
| 40:3     | 75-0620    | 1    | Tread-Foot, LH          |
| 40:4     | 75-0610    | 1    | Tread-Foot, RH          |
| 40:5     | 93-6693    | 1    | Decal-Plate, Floor      |
| 41       | 75-1390-01 | 1    | Cover-Access, Front     |
| 42       | 75-1410-01 | 1    | Plate-Access, Floor     |
| 47       | 75-0630    | 1    | Tread-Foot, Center      |
| 48       | 93-8744    | 3    | Pop - Rivet             |
| 49       | 75-5780    | 1    | Hinge-Steel             |
| 50       | 3256-1     | 3    | Washer-Flat             |
| 51       | 94-1410    | 1    | Holder-Beverage, Can    |
| 52       | 33108-035  | 6    | Screw                   |
| 53       | 100-3738   | 1    | Decal - Quick Reference |

## Frame and Body Assembly (Continued)

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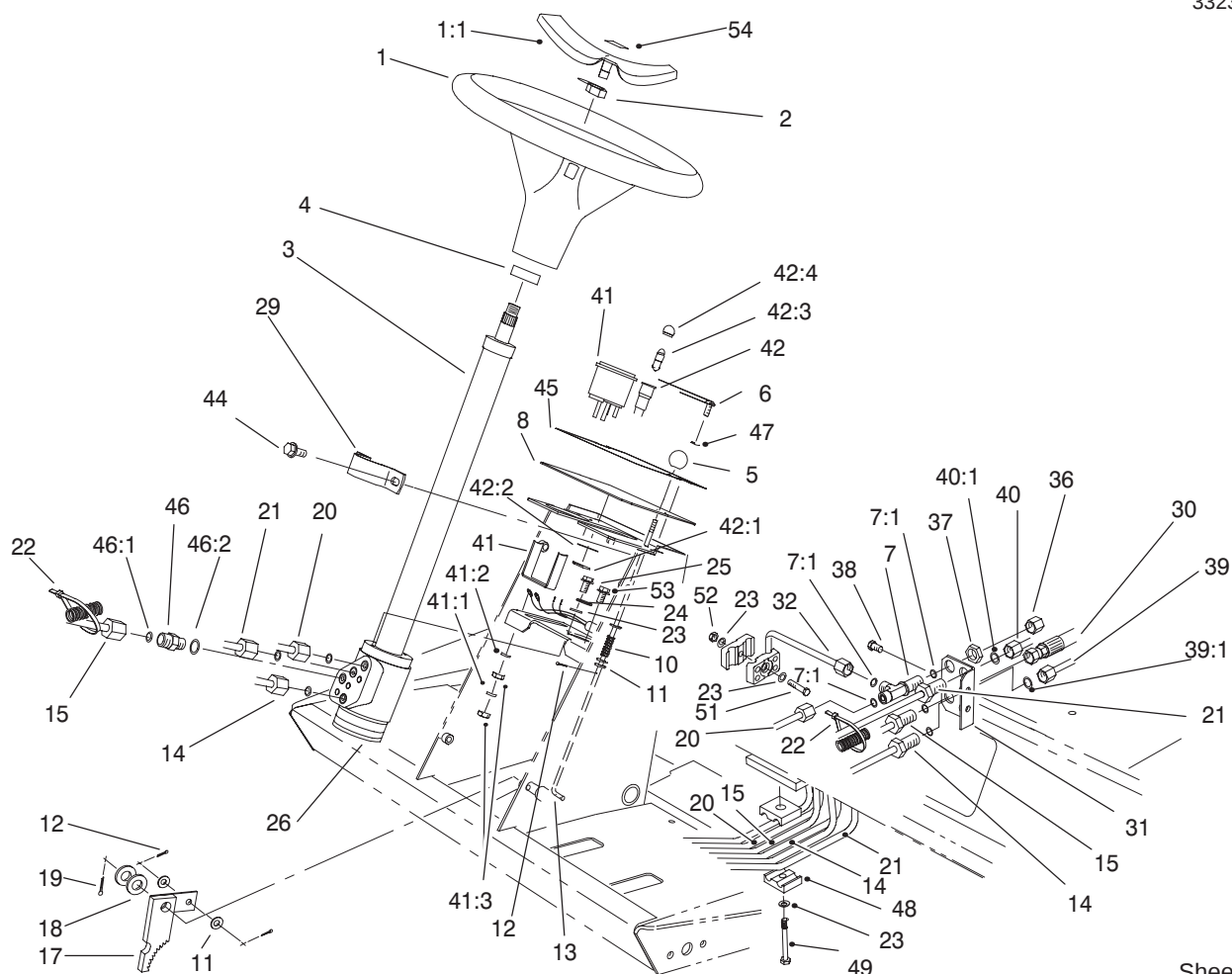


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## End Weight Assembly

| Ref. No. | Part No.   | Qty. | Description      |
|----------|------------|------|------------------|
| 1        | 95-7156    | 2    | Sensor – Speed   |
| 2        | 33103-020  | 2    | Screw-HHF        |
| 3        | 237-30     | 2    | O-Ring           |
| 4        | 93-9783    | 10   | O-Ring           |
| 5        | 93-8717    | 3    | Plug-Pipe        |
| 6        | 94-4347-03 | 3    | Weight-End       |
| 7        | 93-3088    | 2    | Sensor Clamp     |
| 8        | 93-3076    | 2    | End Weight ASM   |
| 8:1      | 253-165    | 1    | Oil Seal         |
| 8:2      | 3256-23    | 1    | Washer-Flat      |
| 8:3      | 33024-00   | 1    | Nut-Lock, NI     |
| 8:4      | 93-2956    | 1    | Bearing – Ball   |
| 8:5      | 93-3080-03 | 1    | Housing-End Cap  |
| 8:6      | 93-3085    | 1    | Magnet Shaft ASM |
| 8:7      | 93-3094    | 1    | Plug – Cap       |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

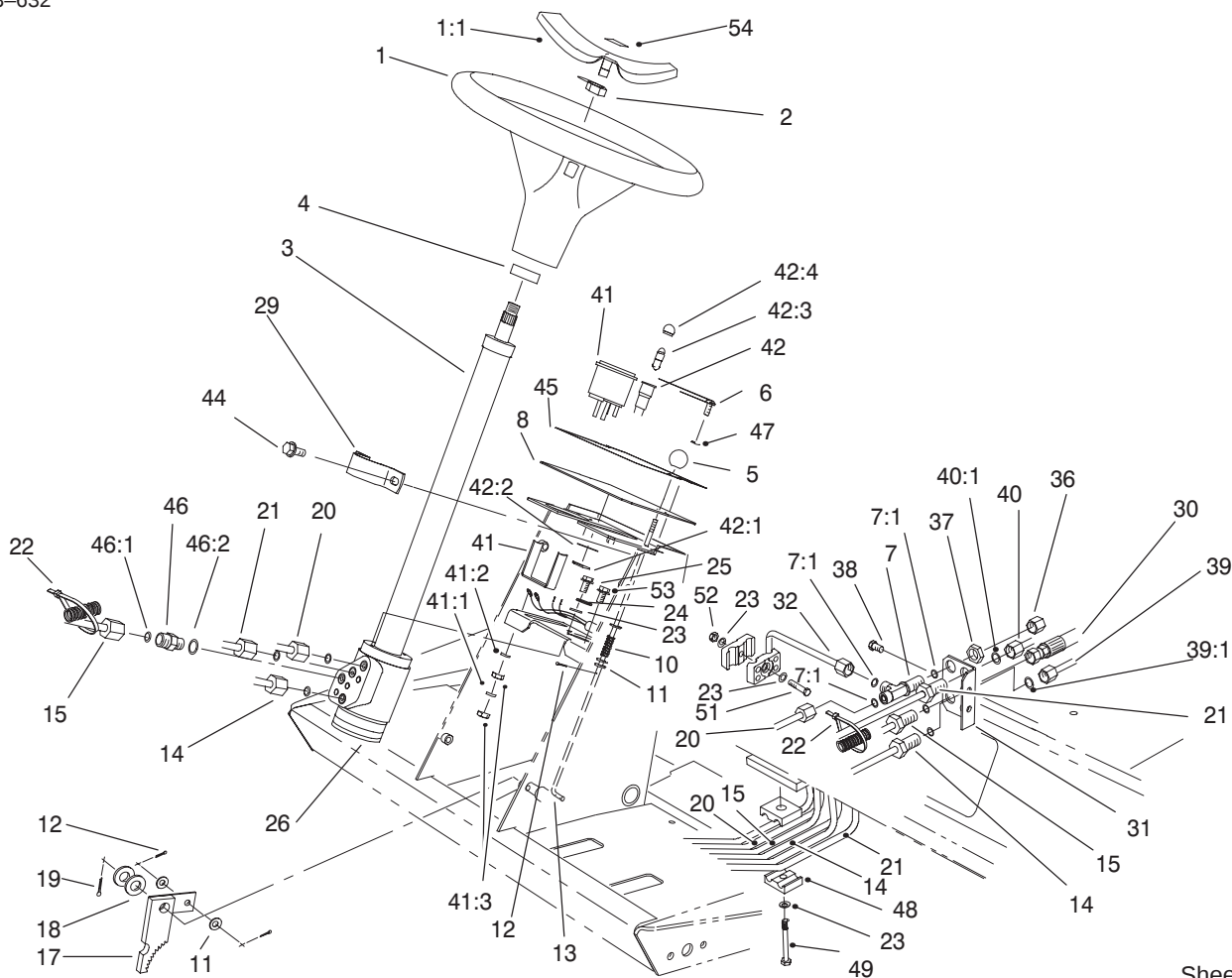


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## Steering Tower Assembly

| Ref. No. | Part No.   | Qty. | Description             |
|----------|------------|------|-------------------------|
| 1        | 98-1471    | 1    | Wheel – Steering 14"    |
| 1:1      | 98-1468    | 1    | Cover – Wheel, Steering |
| 2        | 94-9952    | 1    | Nut – Hex               |
| 3        | 94-9951    | 1    | Column – Steering       |
| 4        | 21-9260    | 1    | Cover-Dust              |
| 5        | 233-17     | 1    | Knob                    |
| 6        | 87-6620    | 2    | Screw-Special           |
| 7        | 340-68     | 1    | Fitting-Tee, Bulkhead   |
| 7:1      | 237-22     | 3    | O-Ring                  |
| 8        | 93-7998-03 | 1    | Plate – Instrument      |
| 10       | 95-1821-03 | 1    | Spring – Compression    |
| 11       | 3256-22    | 5    | Washer-Flat             |
| 12       | 3272-5     | 3    | Pin-Cotter              |
| 13       | 75-1490    | 1    | Rod-Brake, Parking      |
| 14       | 94-3059    | 1    | Hyd Tube ASM            |
| 15       | 94-3061    | 1    | Hyd Tube ASM            |
| 17       | 63-7900-03 | 1    | Rack                    |
| 18       | 3256-26    | 2    | Washer-Flat             |
| 19       | 3272-10    | 1    | Pin-Cotter              |
| 20       | 94-3062    | 1    | Hyd Tube ASM            |
| 21       | 94-3060    | 1    | Hyd Tube ASM            |
| 22       | 3290-378   | 4    | Tie-Cable               |
| 23       | 3256-23    | 6    | Washer-Flat             |
| 24       | 3255-8     | 1    | Washer-Lock/Ext         |
| 25       | 33103-025  | 1    | Screw-HHF               |

| Ref. No. | Part No.   | Qty. | Description              |
|----------|------------|------|--------------------------|
| 26       | 100-3790   | 1    | Control-Steering         |
| 29       | 75-2810    | 1    | Bracket-Column, Steering |
| 30       | 92-7622    | 1    | Hose ASM                 |
| 31       | 92-7606-03 | 1    | Bracket – Bulkhead       |
| 32       | 94-1447    | 1    | Steering Return Tube ASM |
| 36       | 340-117    | 1    | Cap                      |
| 37       | 340-70     | 4    | Locknut-Bulkhead         |
| 38       | 32144-11   | 2    | Screw-Tap                |
| 39       | 92-7494    | 1    | Rear Steering Tube ASM   |
| 39:1     | 237-22     | 1    | O-Ring                   |
| 40       | 92-7495    | 1    | Steering Tube ASM        |
| 40:1     | 237-22     | 1    | O-Ring                   |
| 41       | 93-4213    | 1    | Speedometer              |
| 41:1     | 3253-2     | 9    | Washer-Lock/Sp           |
| 41:2     | 3256-14    | 2    | Washer-Flat              |
| 41:3     | 3219-14    | 3    | Nut-Hex                  |
| 42       | 44-2210    | 1    | Light-Indicator, Red     |
| 42:1     | 218-535    | 1    | Nut-Hex                  |
| 42:2     | 218-536    | 1    | Washer-Lock              |
| 42:3     | 93-7480    | 1    | Led-Miniature Bayonet    |
| 42:4     | 218-533    | 1    | Lens                     |

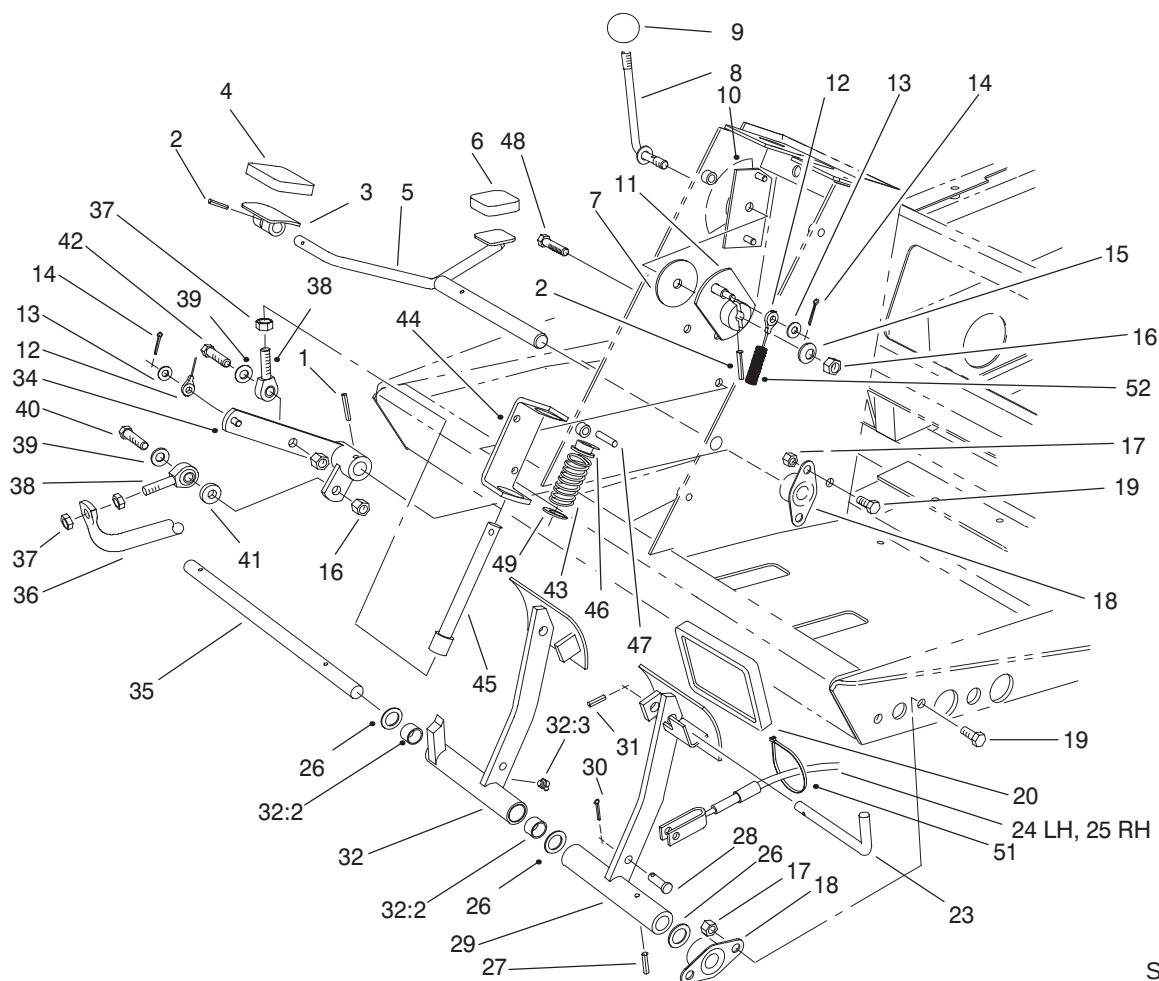


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## Steering Tower Assembly (Continued)

| Ref. No. | Part No.  | Qty. | Description           |
|----------|-----------|------|-----------------------|
| 43       | 93-7480   | 1    | Led-Miniature Bayonet |
| 44       | 3234-7    | 2    | Screw-HHF             |
| 45       | 93-1263   | 1    | Decal-Tower           |
| 46       | 340-2     | 4    | Adapter               |
| 46:1     | 237-22    | 1    | O-Ring                |
| 46:2     | 237-42    | 1    | O-Ring                |
| 47       | 3256-1    | 2    | Washer-Flat           |
| 48       | 56-7973   | 6    | Clamp-Tube            |
| 49       | 322-6     | 3    | Screw-HH              |
| 50       | 56-7972   | 2    | Tube Clamp            |
| 51       | 322-7     | 1    | Screw-HH              |
| 52       | 3296-47   | 1    | Nut-Lock, NI          |
| 53       | 33103-020 | 2    | Screw-HHF             |
| 54       | 98-1459   | 1    | Decal-Toro            |

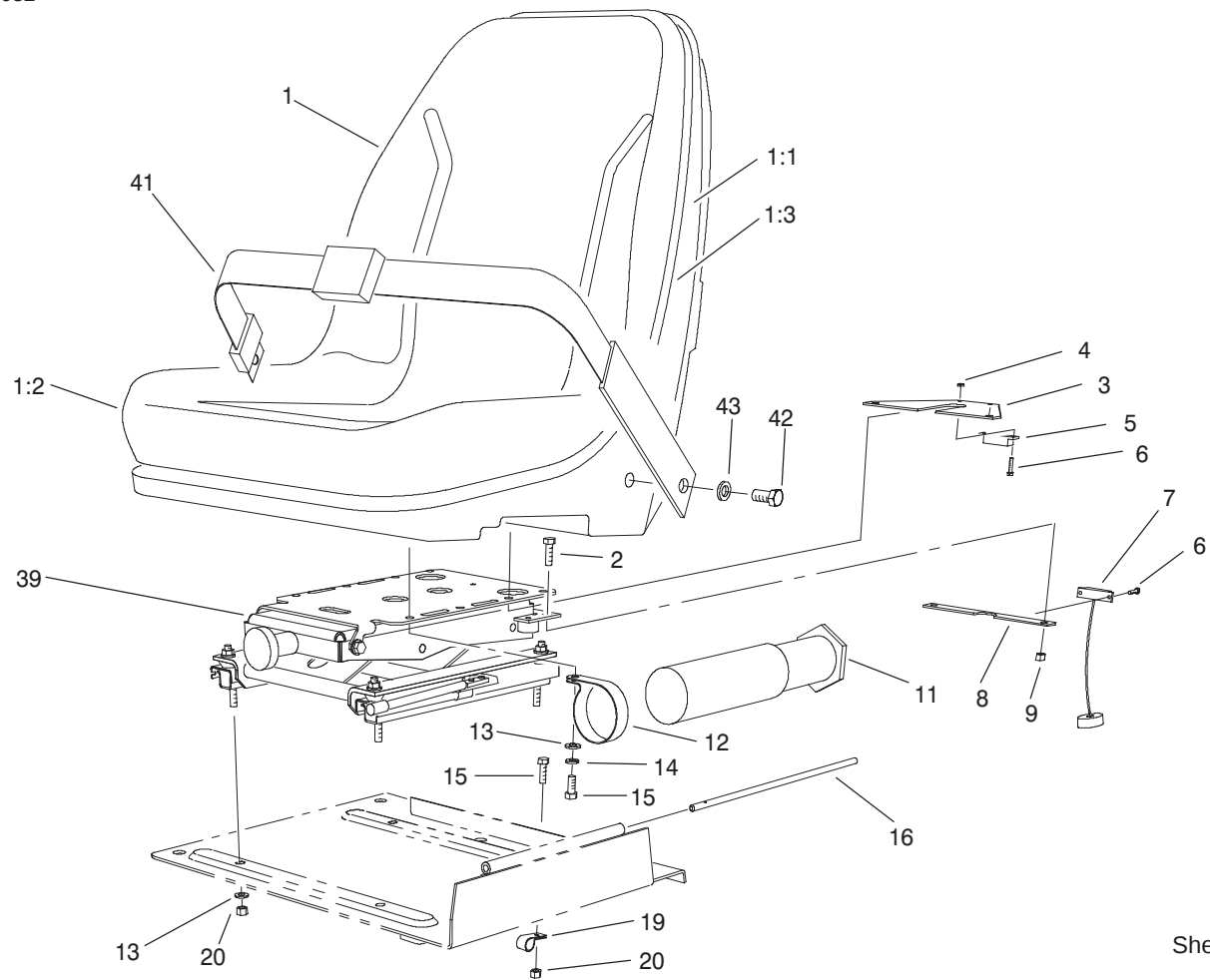
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:4

## Traction and Brake Pedal Assembly

| Ref. No. | Part No.   | Qty. | Description           | Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|-----------------------|----------|------------|------|---------------------|
| 1        | 32121-6    | 1    | Pin-Roll              | 28       | 283-58     | 2    | Pin-Clevis          |
| 2        | 32121-45   | 2    | Pin-Spring            | 29       | 75-1440-03 | 1    | Pedal-Brake, LH     |
| 3        | 49-6440-03 | 1    | Pedal-Forward         | 30       | 3272-10    | 2    | Pin-Cotter          |
| 4        | 74-9100    | 1    | Pad-Pedal, Forward    | 31       | 32121-50   | 1    | Pin-Spring          |
| 5        | 75-2970    | 1    | Pedal-Traction        | 32       | 75-1430    | 1    | Pedal-Brake, RH     |
| 6        | 74-9110    | 1    | Pad-Pedal, Reverse    | 32:2     | 256-42     | 2    | Bushing             |
| 7        | 75-6550    | 1    | Disc-Friction         | 32:3     | 302-5      | 1    | Fitting-Lube        |
| 8        | 75-6490    | 1    | Lever                 | 34       | 75-3270-03 | 1    | Hub-Pivot, Traction |
| 9        | 233-42     | 1    | Knob                  | 35       | 75-1470    | 1    | Pin-Pivot, Brake    |
| 10       | 93-6699    | 1    | Decal - Fast/Slow     | 36       | 92-7531-03 | 1    | Tube - Pump Control |
| 11       | 75-6510    | 1    | Bracket-Lever         | 37       | 3220-3     | 3    | Nut-Jam             |
| 12       | 75-6580    | 1    | Cable - Pedal         | 38       | 2411-36    | 2    | Bearing-End, Rod    |
| 13       | 3256-22    | 2    | Washer-Flat           | 39       | 3256-24    | 2    | Washer-Flat         |
| 14       | 3272-2     | 2    | Pin-Cotter            | 40       | 323-9      | 1    | Screw-HH            |
| 15       | 3290-461   | 1    | Washer-Spring         | 41       | 5-0652     | 1    | Washer              |
| 16       | 3296-39    | 3    | Nut-Lock, NI          | 42       | 323-29     | 1    | Screw-HH            |
| 17       | 32128-20   | 8    | Nut-HF                | 43       | 60-5700    | 1    | Spring              |
| 18       | 256-236    | 4    | Bearing-Mount, Flange | 44       | 92-7608-03 | 1    | Bracket-Spring      |
| 19       | 322-3      | 8    | Screw-HH              | 45       | 92-7609    | 1    | Shaft - Spring      |
| 20       | 93-8742    | 2    | Footpad - Brake       | 46       | 92-7610    | 1    | Retainer - Spring   |
| 23       | 63-7880    | 1    | Pin-Latch, Brake      | 47       | 32121-11   | 1    | Pin-Roll            |
| 24       | 92-7530    | 1    | LH Brake Cable ASM    | 48       | 32144-14   | 2    | Screw-HWH           |
| 25       | 92-7529    | 1    | RH Brake Cable ASM    | 49       | 3256-5     | 1    | Washer-Flat         |
| 26       | 3256-69    | 3    | Washer-Flat           | 51       | 3290-378   | 1    | Tie-Cable           |
| 27       | 32121-16   | 1    | Pin-Spring            | 52       | 95-7151    | 1    | Tube-Convolute      |

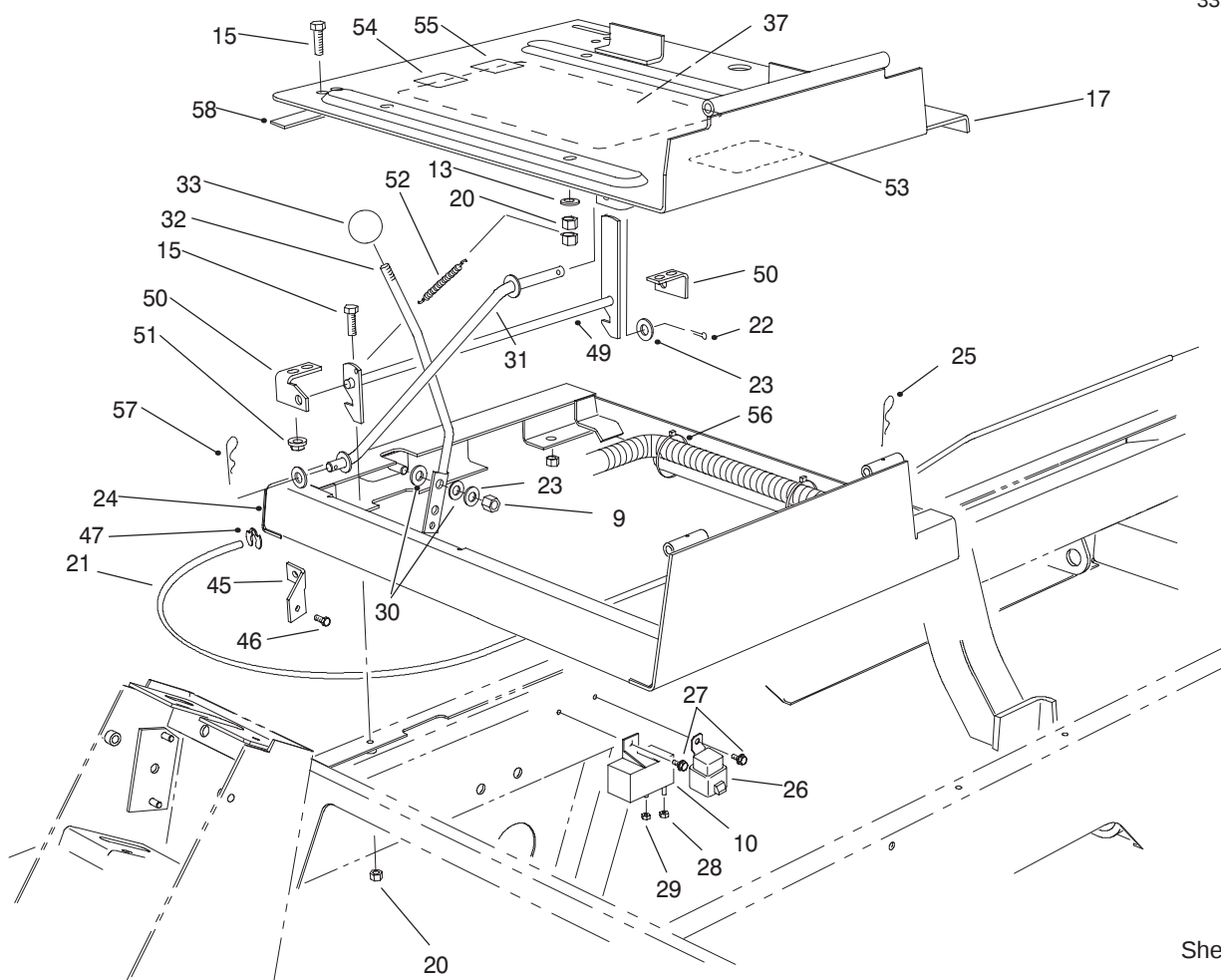


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Seat Frame Assembly

| Ref. No. | Part No.   | Qty. | Description                    |
|----------|------------|------|--------------------------------|
| 1        | 92-1180    | 1    | Seat-Olympic                   |
| 1:1      | 92-6534    | 1    | Shell                          |
| 1:2      | 92-6533    | 1    | Kit-Cushion, Seat              |
| 1:3      | 351-78     | 1    | Edging                         |
| 2        | 323-4      | 2    | Screw-HH                       |
| 3        | 75-4370-03 | 1    | Bracket-Seat                   |
| 4        | 3296-54    | 4    | Nut-Lock NI                    |
| 5        | 92-8753    | 1    | Magnet-Switch, Reed            |
| 6        | 3250-29    | 4    | Screw-PPH                      |
| 7        | 92-8001    | 1    | Sensor-Switch, Reed            |
| 8        | 75-4360-03 | 1    | Bracket-Suspension, Seat       |
| 9        | 3296-39    | 3    | Nut-Lock, NI                   |
| 10       | 76-5260    | 1    | Relay-Glow Plug                |
| 11       | 74-0720    | 1    | Tube-Manual                    |
| 12       | 2412-133   | 2    | R-Clamp                        |
| 13       | 3256-23    | 8    | Washer-Flat                    |
| 14       | 3253-4     | 4    | Washer                         |
| 15       | 322-3      | 12   | Screw-HH                       |
| 16       | 75-3400    | 1    | Shaft-Pivot, Seat              |
| 19       | 2412-93    | 1    | R-Clamp                        |
| 20       | 3296-29    | 10   | Nut-Lock, NI                   |
| 39       | 75-3000    | 1    | Suspension-Seat                |
| 41       | 21-4191    | 1    | Seat Belt ASM (Only On: 03804) |

| Ref. No. | Part No. | Qty. | Description                     |
|----------|----------|------|---------------------------------|
| 42       | 3212-4   | 2    | Screw-HH (Only On: 03804)       |
| 43       | 3253-6   | 2    | Washer-Lock/Sp (Only On: 03804) |

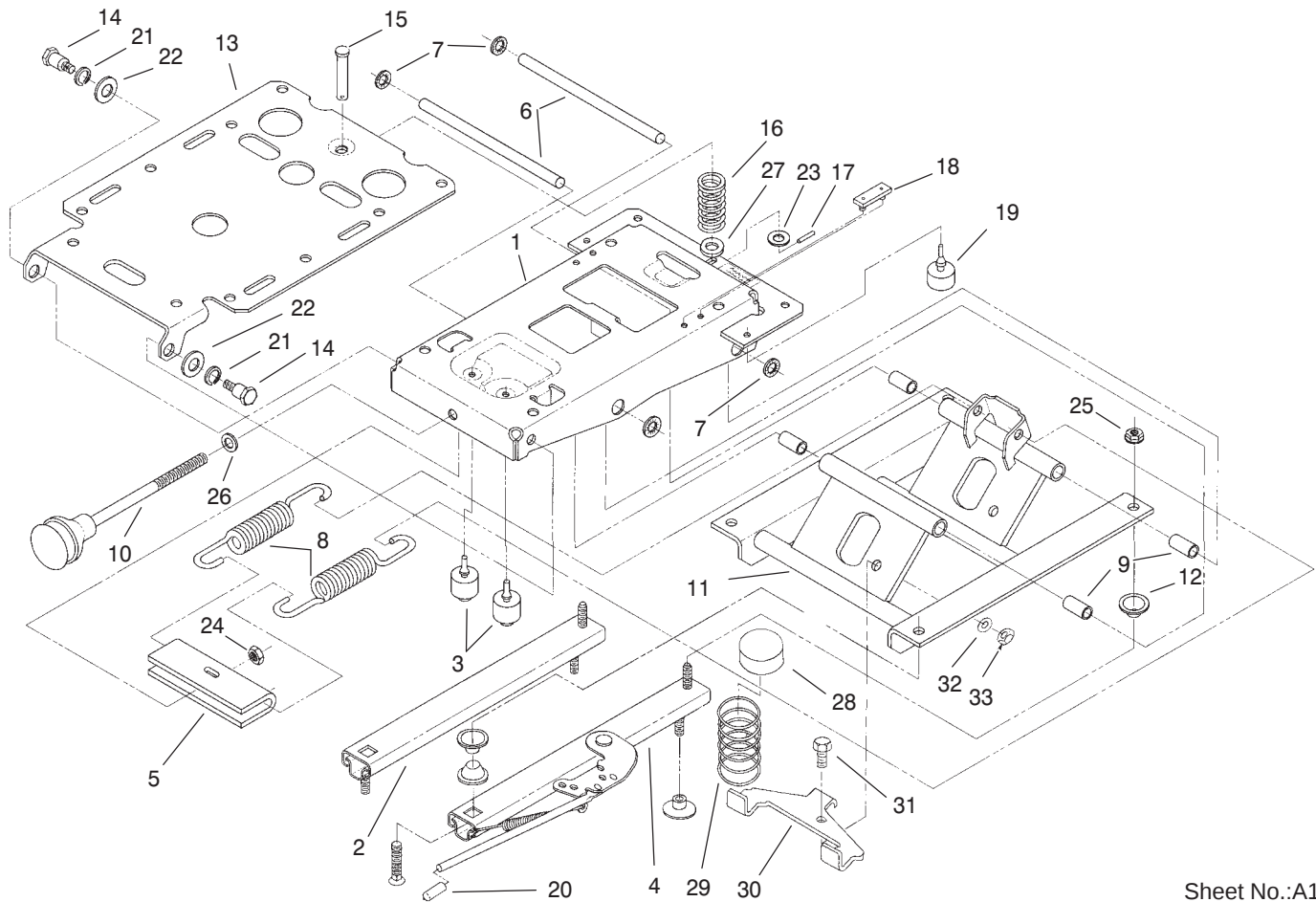


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## Throttle Assembly

| Ref. No. | Part No.   | Qty. | Description         | Ref. No. | Part No.   | Qty. | Description          |
|----------|------------|------|---------------------|----------|------------|------|----------------------|
| 9        | 3296-39    | 3    | Nut-Lock, NI        | 52       | 66-4190-03 | 1    | Spring-Idler, Clutch |
| 10       | 76-5260    | 1    | Relay-Glow Plug     | 53       | 98-8108    | 1    | Decal-Rear Manifold  |
| 13       | 3256-23    | 8    | Washer-Flat         | 54       | 63-9920    | 1    | Decal-Level, Noise   |
| 15       | 322-3      | 12   | Screw-HH            | 55       | 85-6910    | 1    | Decal-Noise Rating   |
| 17       | 98-2350-03 | 1    | Plate-Seat          | 56       | 3290-379   | 3    | Tie-Cable            |
| 20       | 3296-29    | 10   | Nut-Lock, NI        | 57       | 3290-307   | 1    | Hairpin              |
| 21       | 92-7520    | 1    | Throttle Cable ASM  | 58       | 94-8146    | 1    | Strip - Foam         |
| 22       | 3272-10    | 1    | Pin-Cotter          |          |            |      |                      |
| 23       | 3256-24    | 3    | Washer-Flat         |          |            |      |                      |
| 24       | 98-2352-03 | 1    | Frame-Seat          |          |            |      |                      |
| 25       | 3290-467   | 1    | Pin-Hair            |          |            |      |                      |
| 26       | 70-1480    | 1    | Relay               |          |            |      |                      |
| 27       | 32144-10   | 2    | Screw-HWH           |          |            |      |                      |
| 28       | 48-7880    | 1    | Nut                 |          |            |      |                      |
| 29       | 48-7890    | 1    | Nut                 |          |            |      |                      |
| 30       | 52-2900    | 2    | Washer              |          |            |      |                      |
| 31       | 75-3680-03 | 1    | Rod-Seat            |          |            |      |                      |
| 32       | 93-7598-03 | 1    | Lever - Throttle    |          |            |      |                      |
| 33       | 233-42     | 1    | Knob                |          |            |      |                      |
| 37       | 98-8110    | 1    | Decal - Clip        |          |            |      |                      |
| 45       | 92-7396-03 | 1    | Mount-Cable         |          |            |      |                      |
| 46       | 49-2040    | 1    | Screw-Taptite       |          |            |      |                      |
| 47       | 52-5910    | 1    | Ring-Retaining      |          |            |      |                      |
| 49       | 98-2354-03 | 1    | Latch-Seat          |          |            |      |                      |
| 50       | 98-2353    | 2    | Bracket-Latch, Seat |          |            |      |                      |
| 51       | 32128-25   | 4    | Nut-Flange          |          |            |      |                      |



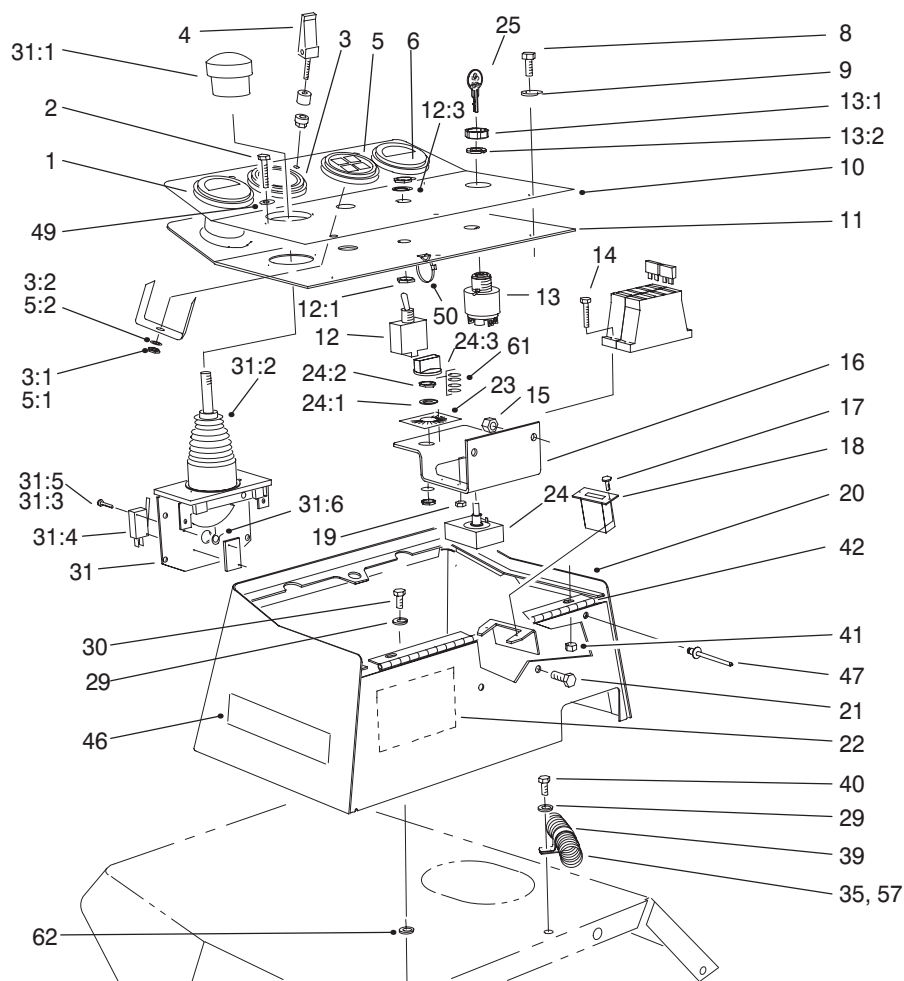
Sheet No.:A1

T-3437

## Seat Suspension Assembly

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 1        | 75-3480  | 1    | Frame-Upper            |
| 2        | 66-8530  | 1    | Adjuster               |
| 3        | 66-8520  | 2    | Bumper-Downstop        |
| 4        | 82-9060  | 1    | Adjuster W/Handle      |
| 5        | 77-2870  | 1    | Hanger-Spring          |
| 6        | 76-1910  | 2    | Shaft-Pivot            |
| 7        | 66-8560  | 4    | Nut-Push               |
| 8        | 76-1940  | 2    | Spring-Extension       |
| 9        | 76-1920  | 4    | Bearing-Sleeve         |
| 10       | 76-1930  | 1    | Knob-Adjuster, Tension |
| 11       | 66-8610  | 1    | Frame-Lower            |
| 12       | 66-9290  | 6    | Spacer-Suspension      |
| 13       | 75-3580  | 1    | Plate-Seat             |
| 14       | 75-3510  | 2    | Bolt                   |
| 15       | 80-4860  | 1    | Pin - Clevis           |
| 16       | 75-3530  | 1    | Spring                 |
| 17       | 75-3540  | 1    | Pin-Roll               |
| 18       | 75-3550  | 2    | Bumper                 |
| 19       | 76-2940  | 2    | Bumper                 |
| 20       | 75-3570  | 1    | Tip                    |
| 21       | 3253-6   | 2    | Washer-Lock/Sp         |
| 22       | 3256-26  | 2    | Washer-Flat            |
| 23       | 3256-24  | 1    | Washer-Flat            |
| 24       | 3296-44  | 1    | Nut-Lock NI            |
| 25       | 32128-26 | 4    | Nut-Flange             |

| Ref. No. | Part No. | Qty. | Description    |
|----------|----------|------|----------------|
| 26       | 3256-46  | 1    | Washer-Flat    |
| 27       | 3256-5   | 1    | Washer-Flat    |
| 28       | 93-3164  | 2    | Cap            |
| 29       | 93-3163  | 2    | Spring         |
| 30       | 93-3165  | 1    | Bracket        |
| 31       | 322-6    | 1    | Screw-HH       |
| 32       | 3253-33  | 1    | Washer-Lock/Sp |
| 33       | 3217-6   | 1    | Nut-Hex        |

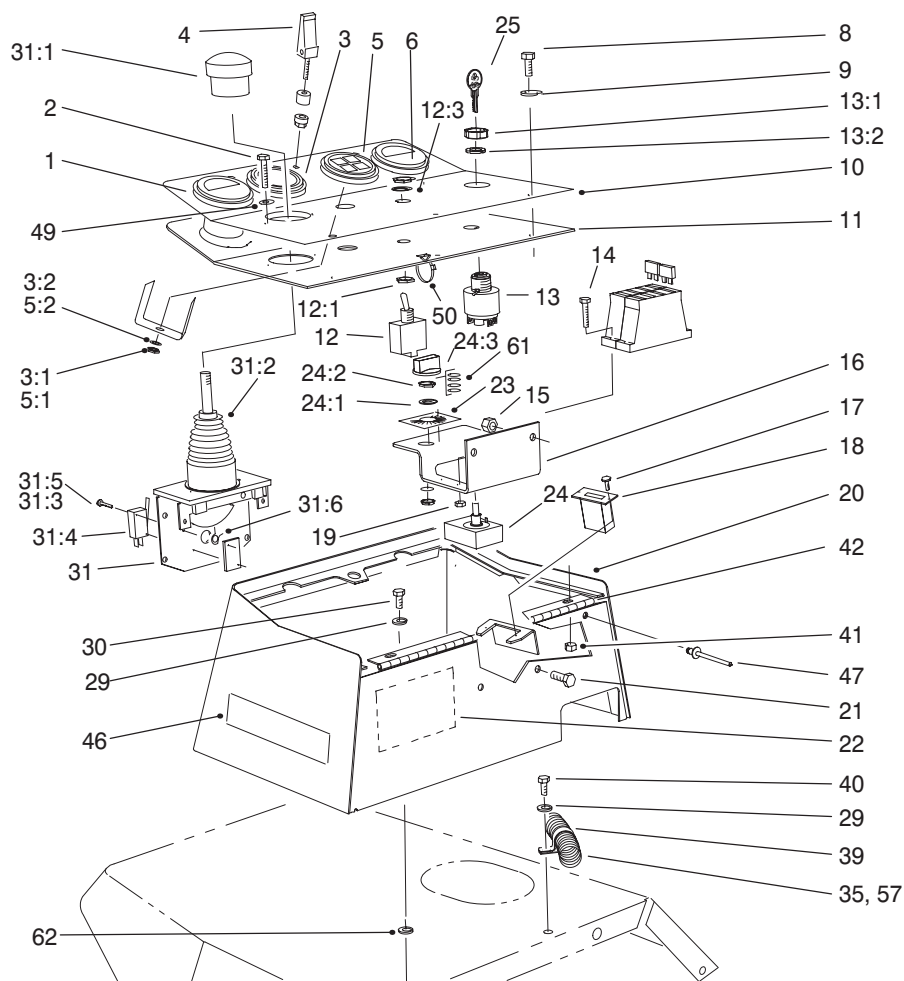


Sheet No.:6

## Control Console Assembly

| Ref. No. | Part No.   | Qty. | Description       | Ref. No. | Part No.   | Qty. | Description        |
|----------|------------|------|-------------------|----------|------------|------|--------------------|
| 1        | 93-8497    | 1    | Gauge-Fuel        | 13       | 27-2360    | 1    | Switch-Key         |
| 2        | 3250-31    | 2    | Screw-PPH         | 13:1     | 218-446    | 1    | Nut-Hex            |
| 3        | 93-7484    | 1    | Lamp Cluster      | 13:2     | 218-447    | 1    | Washer-Lock        |
| 3:1      | 3217-26    | 1    | Nut-Hex           | 14       | 32105-13   | 4    | Screw-Shh          |
| 3:2      | 3254-1     | 1    | Washer-Lock/Int   | 15       | 3296-42    | 2    | Nut-Lock           |
| *3:4     | 87-6270    | 4    | Socket - Light    | 16       | 93-7587    | 1    | Bracket-Fuse       |
| *3:5     | 219-17     | 4    | Bulb              |          |            |      | Block/Panel        |
| 4        | 74-5950    | 1    | Latch-Swell       | 17       | 32144-18   | 2    | Screw-HH           |
| 5        | 93-7483    | 1    | Lamp Cluster      | 18       | 75-6820    | 1    | Hourmeter          |
| 5:1      | 3217-26    | 1    | Nut-Hex           | 19       | 3296-2     | 4    | Nut-Lock           |
| 5:2      | 3254-1     | 1    | Washer-Lock/Int   | 20       | 75-5740-03 | 1    | Box-Control        |
| *5:4     | 87-6270    | 4    | Socket - Light    | 21       | 321-39     | 2    | Screw-HH           |
| *5:5     | 219-17     | 4    | Bulb              | 22       | 94-6349    | 1    | Decal-Fuses        |
| 6        | 76-9060    | 1    | Gauge-Temperature | 23       | 93-1268    | 1    | Decal-HOC Selector |
| *6:1     | 3219-14    | 6    | Nut-Hex           | 24       | 85-4470    | 1    | Potentiometer ASM  |
| *6:2     | 3253-2     | 5    | Washer-Lock/Sp    | 24:1     | 3220-24    | 1    | Nut-Lock           |
| *6:3     | 3256-14    | 2    | Washer-Flat       | 24:2     | 3254-6     | 1    | Washer-Lock        |
| 8        | 3258-166   | 3    | Screw             | 24:3     | 85-4480    | 1    | Knob               |
| 9        | 3256-1     | 3    | Washer-Flat       | 25       | 63-8360    | 1    | Key-Ignition       |
| 10       | 99-8967    | 1    | Decal - Console   | 29       | 3256-23    | 3    | Washer-Flat        |
| 11       | 94-1417-03 | 1    | Panel - Control   | 30       | 322-3      | 2    | Screw-HH           |
| 12       | 99-8352    | 1    | Switch - Backlap  | 31       | 98-2195    | 1    | Joystick           |
| 12:1     | 218-498    | 2    | Locknut-Hex       | 31:1     | 3290-489   | 1    | Knob               |
| *12:2    | 218-588    | 3    | Screw             | 31:2     | 3290-488   | 1    | Boot               |
| 12:3     | 218-589    | 1    | Washer            | 31:3     | 3290-354   | 2    | Nut-Speed          |
| *12:4    | 3253-19    | 3    | Washer-Lock/Sp    | 31:4     | 218-590    | 2    | Switch             |

\* Not illustrated

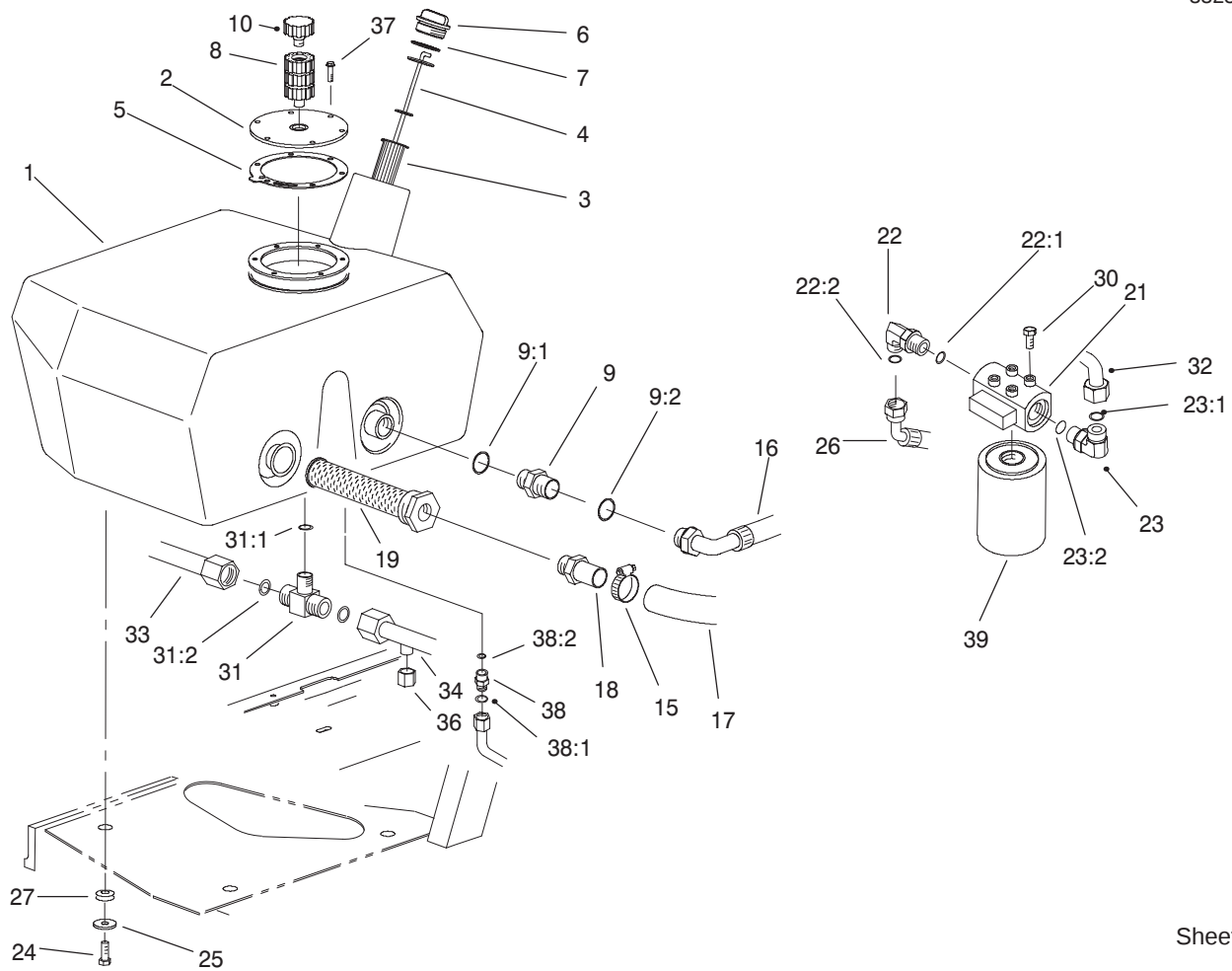


Sheet No.:6

## Control Console Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 31:5     | 3290-93  | 4    | Screw-Pan Hd       |
| 31:6     | 93-3625  | 1    | Spring             |
| 35       | 100-8032 | 1    | Harness-Wire, Main |
| 39       | 2412-126 | 1    | R-Clamp            |
| 40       | 322-5    | 1    | Screw-HH           |
| 41       | 32128-33 | 3    | Nut-HF             |
| 42       | 75-5780  | 1    | Hinge-Steel        |
| 46       | 93-6689  | 1    | Decal - No Riders  |
| 47       | 93-8744  | 3    | Pop - Rivet        |
| 49       | 3256-14  | 2    | Washer-Flat        |
| 50       | 3290-378 | 2    | Tie-Cable          |
| 57       | 94-6343  | 1    | Decal-I.D., Wire   |
| 61       | 237-7    | 4    | O Ring             |
| 62       | 52-2900  | 3    | Washer             |
| 99       | 99-8983  | 1    | Decal-Controller   |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

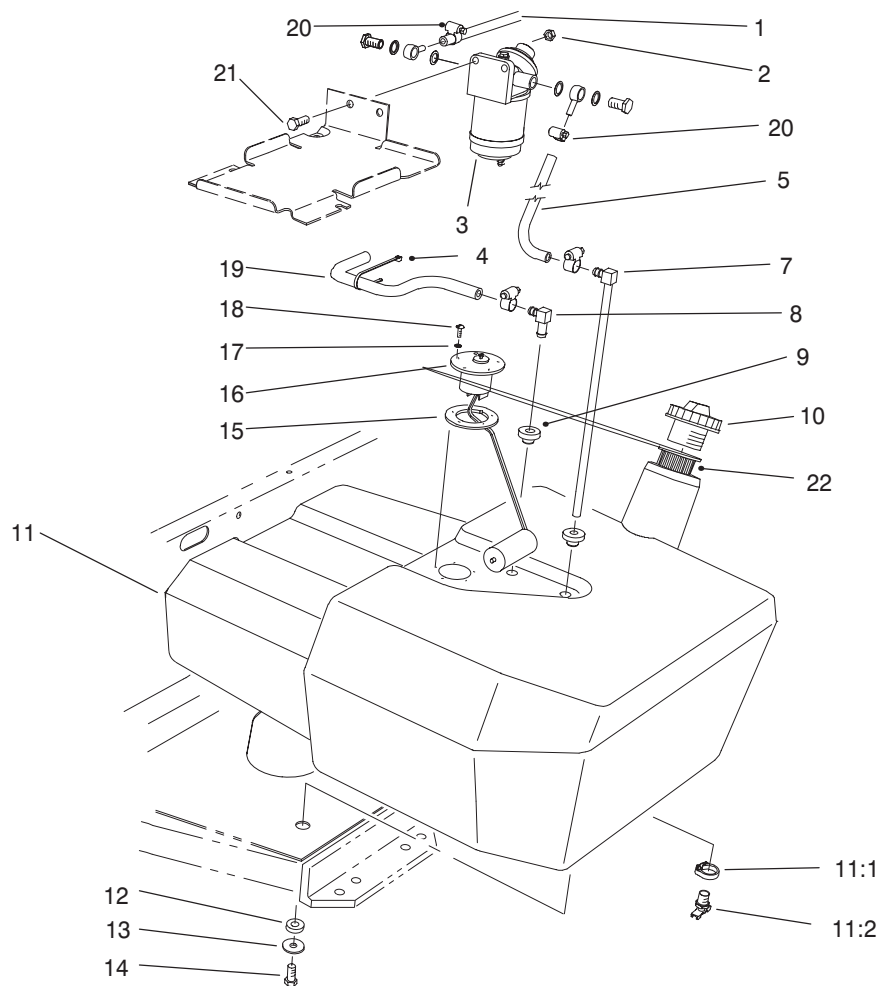


Sheet No.:7

## Hydraulic Filter and Reservoir Assembly

| Ref. No. | Part No.  | Qty. | Description           |
|----------|-----------|------|-----------------------|
| 1        | 104-0085  | 1    | Tank – Oil            |
| 2        | 99-2580   | 1    | Cover–Tank            |
| 3        | 61-2790   | 1    | Filter–Screen         |
| 4        | 75-3710   | 1    | Dipstick              |
| 5        | 93-7499   | 1    | Gasket                |
| 6        | 93-7498   | 1    | Plug–Plastic          |
| 7        | 94-8166   | 1    | O–Ring                |
| 8        | 92-8020   | 3    | Adapter – Breather    |
| 9        | 340-91    | 1    | Adapter               |
| 9:1      | 237-58    | 1    | O–Ring                |
| 9:2      | 237-146   | 1    | O–Ring                |
| 10       | 68-6150   | 1    | Breather–Air          |
| 15       | 2412-111  | 1    | Clamp                 |
| 16       | 92-7489   | 1    | Pump Return Hose      |
| 17       | 92-7465   | 1    | Hose – Suction        |
| 18       | 92-7525   | 1    | Fitting               |
| 19       | 92-7527   | 1    | Strainer – Tank Mount |
| 21       | 94-2620   | 1    | Filter ASM – Oil      |
| 22       | 340-139   | 1    | Fitting–90°           |
| 22:1     | 237-81    | 1    | O–Ring                |
| 22:2     | 237-65    | 1    | O–Ring                |
| 23       | 340-142   | 1    | Elbow–90°             |
| 23:1     | 237-58    | 1    | O–Ring                |
| 23:2     | 237-81    | 1    | O–Ring                |
| 24       | 33105-025 | 3    | Screw–HHF             |

| Ref. No. | Part No.  | Qty. | Description        |
|----------|-----------|------|--------------------|
| 25       | 63-8410   | 3    | Washer             |
| 26       | 92-7490   | 1    | Filter Hose ASM    |
| 27       | 240-11    | 3    | Grommet–Tank Mount |
| 30       | 3234-1    | 2    | Screw–HHF          |
| 31       | 340-157   | 1    | Fitting–Hydraulic  |
| 31:1     | 237-79    | 1    | O–Ring             |
| 31:2     | 237-30    | 2    | O–Ring             |
| 32       | 92-7493   | 1    | Filter Tube ASM    |
| 33       | 92-7478   | 1    | RH Motor Tube ASM  |
| 34       | 94-1446   | 1    | Drain Tube ASM     |
| 36       | 92-7551   | 1    | Fitting            |
| 37       | 33104-020 | 6    | Screw–HHF          |
| 38       | 340-2     | 1    | Adapter            |
| 38:1     | 237-22    | 1    | O–Ring             |
| 38:2     | 237-42    | 1    | O–Ring             |
| 39       | 94-2621   | 1    | Filter Element     |

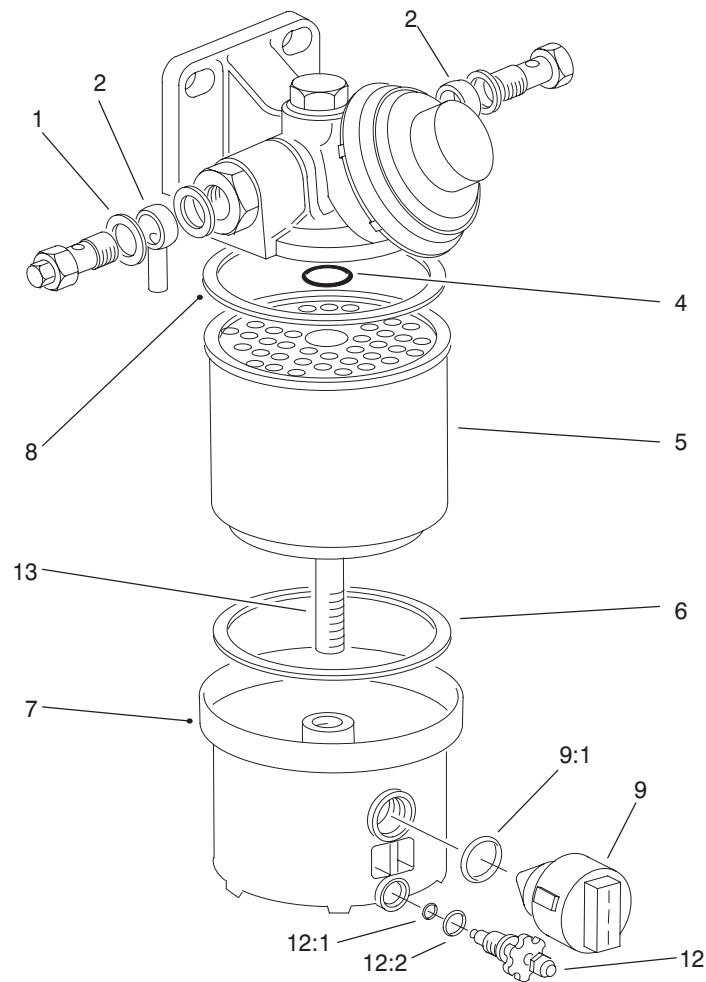


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## Fuel Tank and Filter Assembly

| Ref. No. | Part No.  | Qty. | Description          |
|----------|-----------|------|----------------------|
| 1        | 63-7627   | 1    | Hose-Fuel            |
| 2        | 33005-00  | 2    | Nut-Hex Flange       |
| 3        | 76-5300   | 1    | Fuel Filter ASM      |
| 4        | 2390-378  | 3    | Tie-Cable            |
| 5        | 92-7522   | 1    | Hose - Fuel Line     |
| 7        | 66-8121   | 1    | Standpipe            |
| 8        | 46-6550   | 1    | Elbow-Connector, 90° |
| 9        | 46-6560   | 2    | Bushing              |
| 10       | 93-3102   | 1    | Cap-Fuel             |
| 11       | 92-7422   | 1    | Tank - Fuel          |
| 11:1     | 2412-36   | 1    | Clamp-Hose           |
| 11:2     | 304-46    | 1    | Draincock            |
| 12       | 240-11    | 3    | Grommet-Tank Mount   |
| 13       | 63-8410   | 3    | Washer               |
| 14       | 33105-025 | 3    | Screw-HHF            |
| 15       | 62-7650   | 1    | Gasket               |
| 16       | 63-7640   | 1    | Sender-Fuel          |
| 17       | 3253-15   | 5    | Washer-Lock/Sp       |
| 18       | 32122-24  | 5    | Screw-Pth            |
| 19       | 92-7521   | 1    | Hose - Fuel Line     |
| 20       | 2412-108  | 4    | Clamp-Worm           |
| 21       | 33105-030 | 2    | Screw-HHF            |
| 22       | 61-2790   | 1    | Filter-Screen        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |


$$5 - \sqrt{4, 6 \text{ \& } 8}$$

**Parts not listed in  
partlist are not  
serviced separately.**

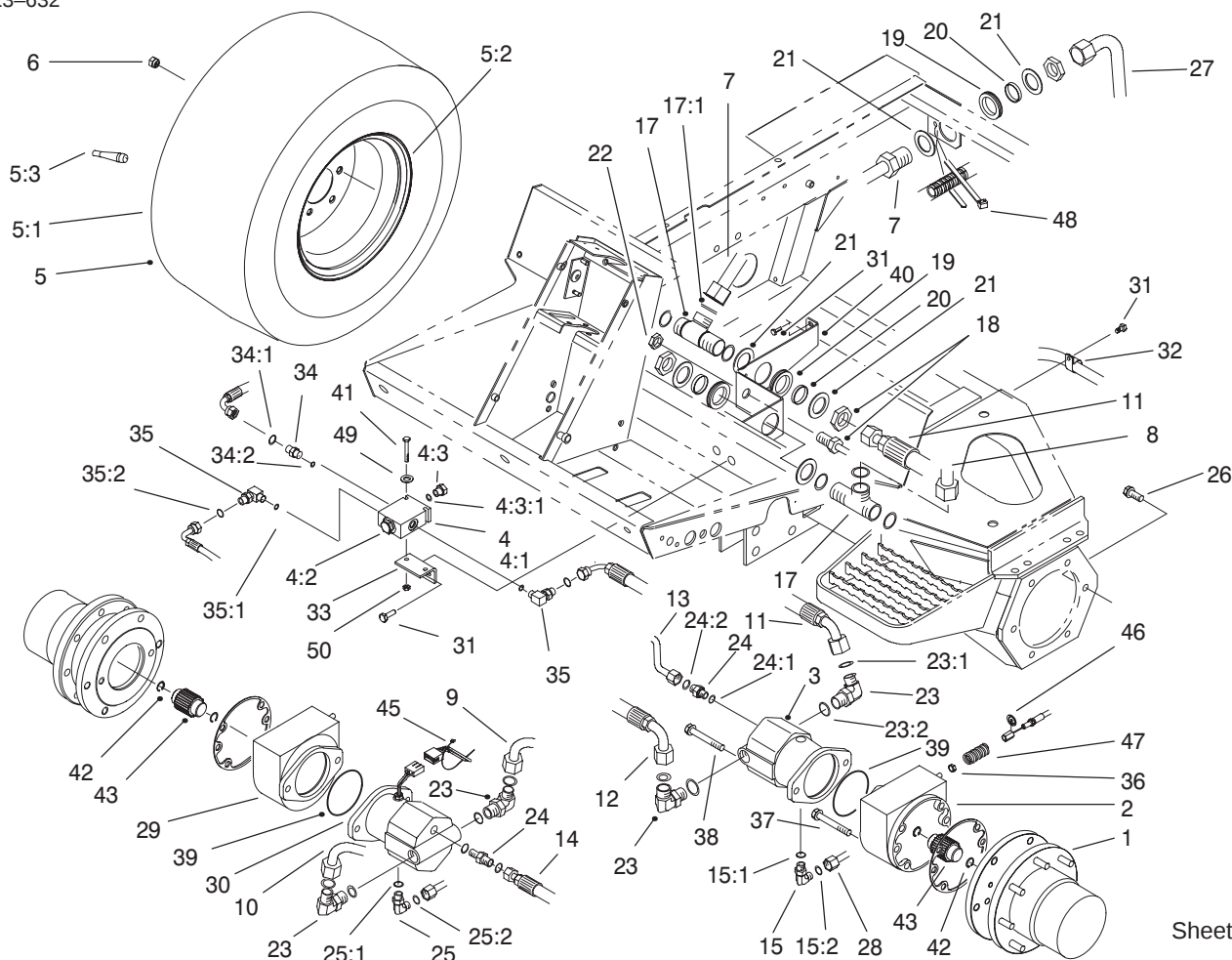
Sheet No.:A2

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# Fuel Filter Assembly # 76-5300

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 1        | 76-5180  | 4    | Copper Washer      |
| 2        | 76-5190  | 2    | Fitting-Adj.       |
| 5        | 76-5220  | 1    | Filter Element     |
| 9        | 76-5320  | 1    | Probe-Water Sensor |
| 9:1      | 94-8025  | 1    | O-Ring             |
| 12       | 94-8026  | 1    | Screw - Vent       |
| 12:1     | 94-8027  | 1    | O-Ring             |
| 12:2     | 94-8028  | 1    | O-Ring             |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



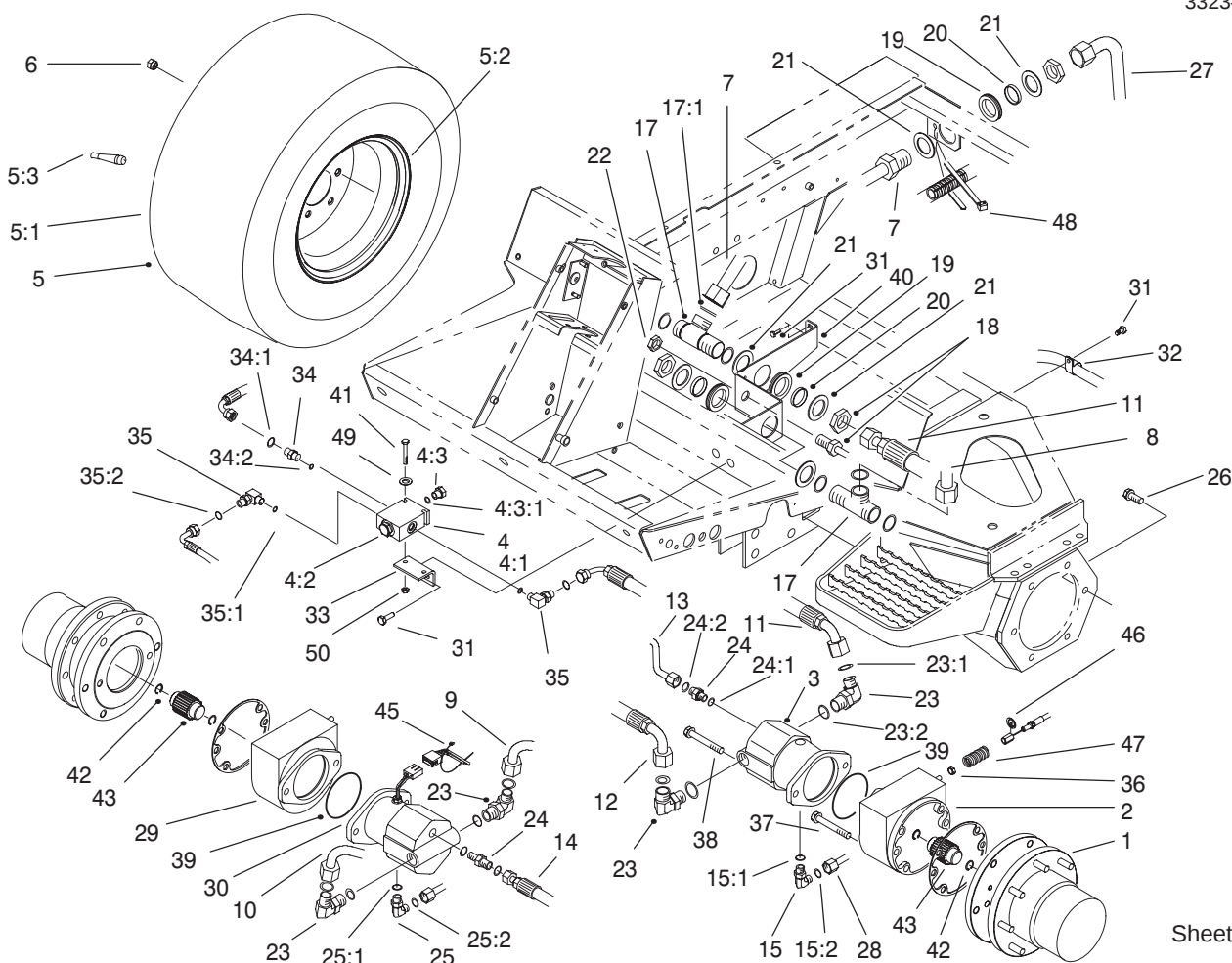
Sheet No.:9

## Front Hydraulic Drive and Brake Assembly

| Ref. No. | Part No.   | Qty. | Description                     |
|----------|------------|------|---------------------------------|
| 1        | 92-7415-03 | 2    | Planetary Drive ASM             |
| 2        | 92-7417-03 | 1    | LH Brake ASM                    |
| 3        | 92-7385    | 1    | Motor-Planetary                 |
| 4        | 99-6998    | 1    | Divider-Flow                    |
| 4:1      | 99-5645    | 1    | Body                            |
| 4:2      | 99-5646    | 1    | Cartridge                       |
| 4:3      | 353-989    | 1    | Plug-Hollow Hex                 |
| 4:3:1    | 237-42     | 1    | O-Ring                          |
| *4:4     | 99-5647    | 1    | Seal Kit                        |
| 5        | 95-3463    | 2    | Wheel & Tire ASM                |
| 5:1      | 95-3465    | 1    | Tire                            |
| 5:2      | 95-3464    | 1    | Rim                             |
| 5:3      | 232-24     | 1    | Stem-Valve                      |
| 6        | 92-7483    | 16   | Lug Nut                         |
| 7        | 92-7474    | 1    | Front Tube ASM (Only On: 03804) |
| 8        | 92-7485    | 1    | Hydraulic Hose ASM              |
| 9        | 92-7475    | 1    | Traction Tube ASM               |
| 10       | 92-7476    | 1    | Traction Tube ASM               |
| 11       | 92-7486    | 1    | Hydraulic Hose ASM              |
| 12       | 92-7487    | 1    | Hydraulic Hose ASM              |
| 13       | 92-7477    | 1    | Motor Drain Tube ASM            |
| 14       | 92-7488    | 1    | Hydraulic Hose ASM              |
| 15       | 340-18     | 1    | Fitting                         |
| 15:1     | 237-79     | 1    | O-Ring                          |
| 15:2     | 237-22     | 1    | O-Ring                          |

| Ref. No. | Part No. | Qty. | Description                     |
|----------|----------|------|---------------------------------|
| 17       | 92-7550  | 2    | Fitting – Bulkhead Tee          |
| 17:1     | 340-65   | 3    | O Ring                          |
| 18       | 340-128  | 2    | Nut-Bulkhead (Only On: 03803)   |
| 18       | 340-128  | 3    | Nut-Bulkhead (Only On: 03804)   |
| 19       | 240-2    | 3    | Grommet-Rubber (Only On: 03804) |
| 19       | 240-2    | 2    | Grommet-Rubber (Only On: 03803) |
| 20       | 69-8950  | 3    | Spacer (Only On: 03804)         |
| 20       | 69-8950  | 2    | Spacer (Only On: 03803)         |
| 21       | 69-8920  | 6    | Washer (Only On: 03804)         |
| 21       | 69-8920  | 4    | Washer (Only On: 03803)         |
| 22       | 340-127  | 1    | Nut-Bulkhead                    |
| 23       | 340-142  | 4    | Elbow-90°                       |
| 23:1     | 237-58   | 1    | O-Ring                          |
| 23:2     | 237-81   | 1    | O-Ring                          |
| 24       | 340-5    | 2    | Fitting-Straight                |
| 24:1     | 237-42   | 1    | O-Ring                          |
| 24:2     | 237-30   | 1    | O-Ring                          |
| 25       | 340-98   | 1    | Fitting-Hyd, 90°                |

\* Not illustrated



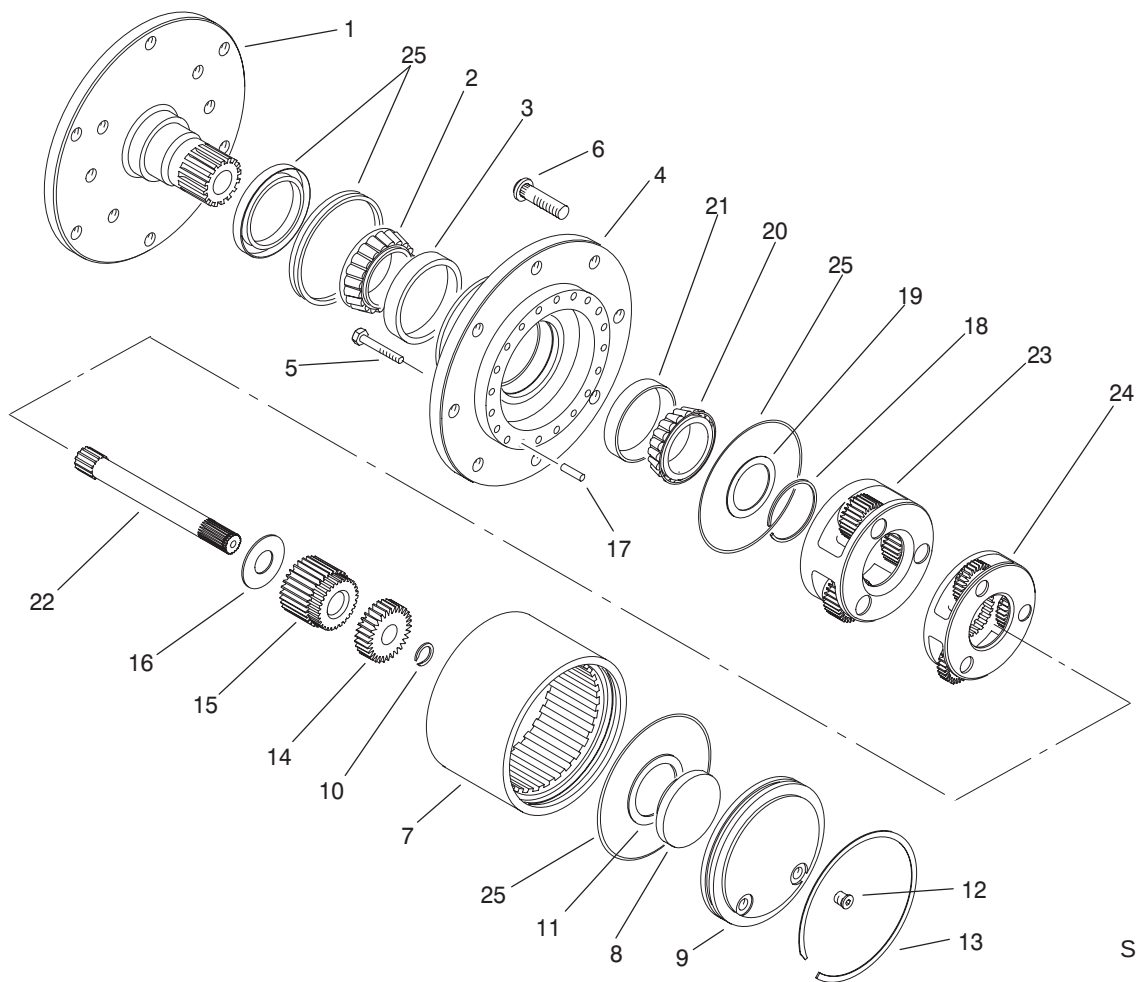
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## Front Hydraulic Drive and Brake Assembly (Continued)

| Ref. No. | Part No.   | Qty. | Description                    |
|----------|------------|------|--------------------------------|
| 25:1     | 237-79     | 1    | O-Ring                         |
| 25:2     | 237-30     | 1    | O-Ring                         |
| 26       | 33106-030  | 12   | Screw-HHF                      |
| 27       | 92-7473    | 1    | Rear Tube ASM (Only On: 03804) |
| *27:1    | 237-58     | 1    | O-Ring (Only On: 03804)        |
| 28       | 92-7598    | 1    | Front Drain Tube ASM           |
| 29       | 92-7414-03 | 1    | RH Brake ASM                   |
| 30       | 93-7476    | 1    | Motor                          |
| 31       | 32144-11   | 6    | Screw-TAP                      |
| 32       | 2412-93    | 2    | R-Clamp                        |
| 33       | 100-3807   | 1    | Bracket-Flow Divider           |
| 34       | 340-1      | 1    | Adapter                        |
| 34:1     | 237-35     | 1    | O-Ring                         |
| 34:2     | 237-42     | 1    | O-Ring                         |
| 35       | 340-82     | 2    | Adapter                        |
| 35:1     | 237-42     | 1    | O-Ring                         |
| 35:2     | 237-35     | 1    | O-Ring                         |
| 36       | 3218-4     | 2    | Nut-Jam                        |
| 37       | 33106-090  | 8    | Screw-HHF                      |
| 38       | 33116-120  | 4    | Screw-HH                       |
| 39       | 237-166    | 2    | O-Ring                         |
| 40       | 92-7455-03 | 1    | Plate - Bulkhead               |
| 41       | 321-11     | 2    | Screw-HH                       |
| 42       | 93-7972    | 4    | Ring-Retaining, Int.           |

| Ref. No. | Part No. | Qty. | Description                        |
|----------|----------|------|------------------------------------|
| 43       | 93-7966  | 2    | Shaft-Splined Brake                |
| 44       | 92-7645  | 1    | Elbow-Swivel, 90° (Only On: 03803) |
| 45       | 3290-378 | 2    | Tie-Cable                          |
| 46       | 94-3050  | 2    | Plate-Spring                       |
| 47       | 94-3088  | 2    | Spring-Compression Brake           |
| 48       | 3290-379 | 4    | Tie-Cable                          |
| 49       | 3256-2   | 2    | Washer-Flat                        |
| 50       | 3296-42  | 2    | Nut-Lock                           |

\* Not illustrated



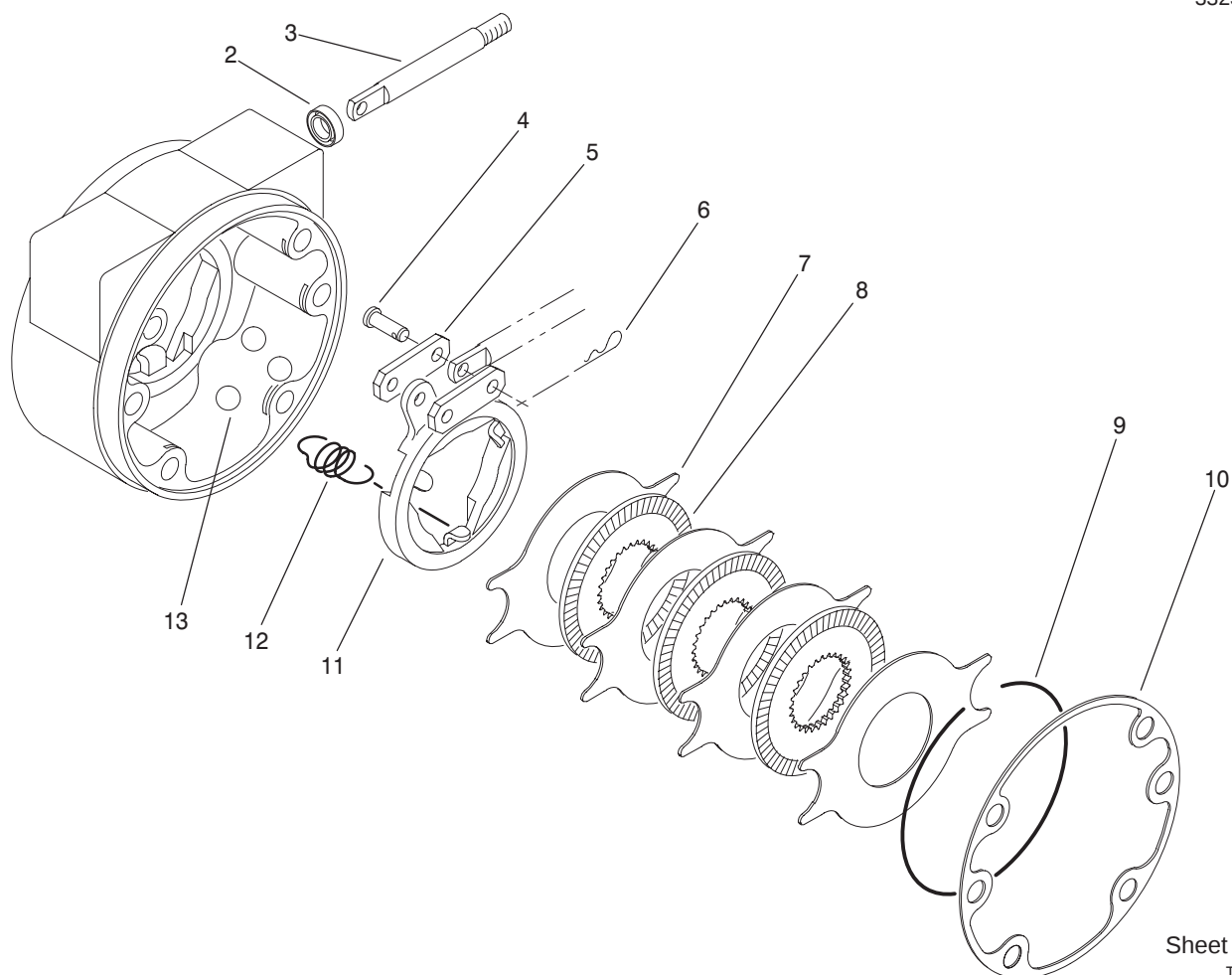
Sheet No.:A3

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# Planetary Drive Assembly # 92-7415-03

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
| 1        | 93-7450  | 1    | Spindle                  |
| 2        | 93-7451  | 1    | Cone-Bearing             |
| 3        | 93-7452  | 1    | Cup-Bearing              |
| 4        | 93-7453  | 1    | Housing                  |
| 5        | 93-7454  | 18   | Bolt-Hex Hd              |
| 6        | 93-7455  | 8    | Stud-Wheel               |
| 7        | 93-7456  | 1    | Gear-Ring                |
| 8        | 93-7457  | 1    | Spacer-Input             |
| 9        | 93-7458  | 1    | Plate-Cover              |
| 10       | 93-7459  | 1    | Ring-Retaining, Ext      |
| 11       | 93-7460  | 1    | Washer-Thrust            |
| 12       | 93-7461  | 2    | Plug-Pipe                |
| 13       | 93-7462  | 1    | Ring-Retaining, Int      |
| 14       | 93-7463  | 1    | Gear-Sun                 |
| 15       | 93-7464  | 1    | Gear-Sun                 |
| 16       | 93-7465  | 1    | Washer-Thrust            |
| 17       | 93-7466  | 2    | Pin-Dowel                |
| 18       | 93-7467  | 1    | Ring-Retaining, Ext      |
| 19       | 93-7468  | 1    | Washer-Thrust            |
| 20       | 93-7469  | 1    | Cone-Bearing             |
| 21       | 93-7470  | 1    | Cup-Bearing              |
| 22       | 93-7471  | 1    | Shaft-Input              |
| 23       | 93-7472  | 1    | Secondary Carrier<br>ASM |
| 24       | 93-7473  | 1    | Primary Carrier ASM      |
| 25       | 93-7474  | 1    | Seal Kit                 |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

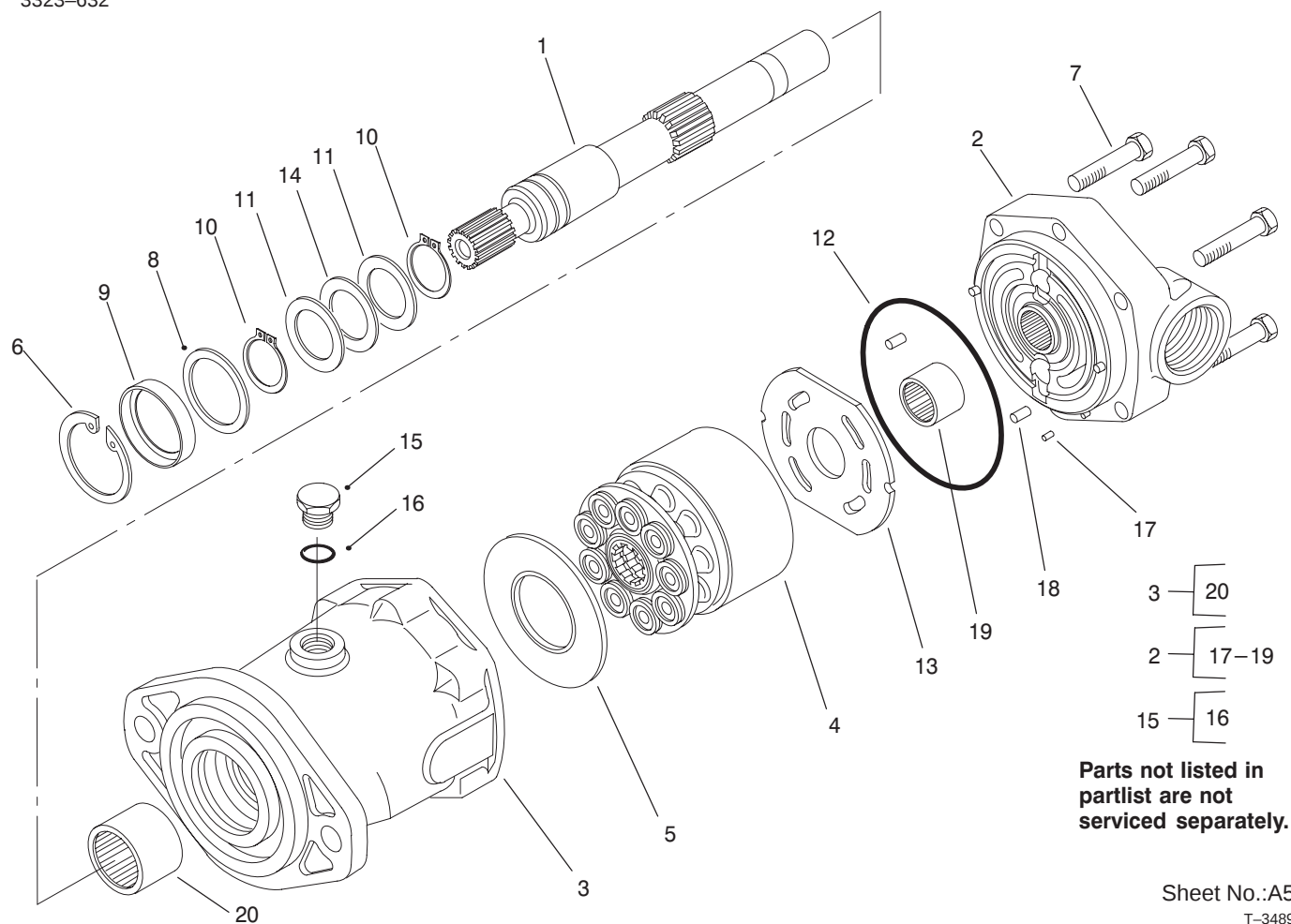


Sheet No.:A4  
T-3488

## LH – Brake Assembly

| Ref. No. | Part No. | Qty. | Description      |
|----------|----------|------|------------------|
| 2        | 93-7977  | 1    | Seal             |
| 3        | 93-7978  | 1    | Rod-Pull         |
| 4        | 93-7983  | 2    | Pin-Clevis       |
| 5        | 93-7980  | 2    | Link             |
| 6        | 93-7979  | 2    | Pin-Hitch        |
| 7        | 93-7986  | 4    | Disc-Stationary  |
| 8        | 93-7981  | 3    | Disc-Rotating    |
| 9        | 93-7976  | 1    | Ring-Retaining   |
| 10       | 93-7984  | 1    | Gasket           |
| 11       | 93-7982  | 1    | Actuator         |
| 12       | 93-7987  | 3    | Spring-Extension |
| 13       | 93-7985  | 3    | Ball             |

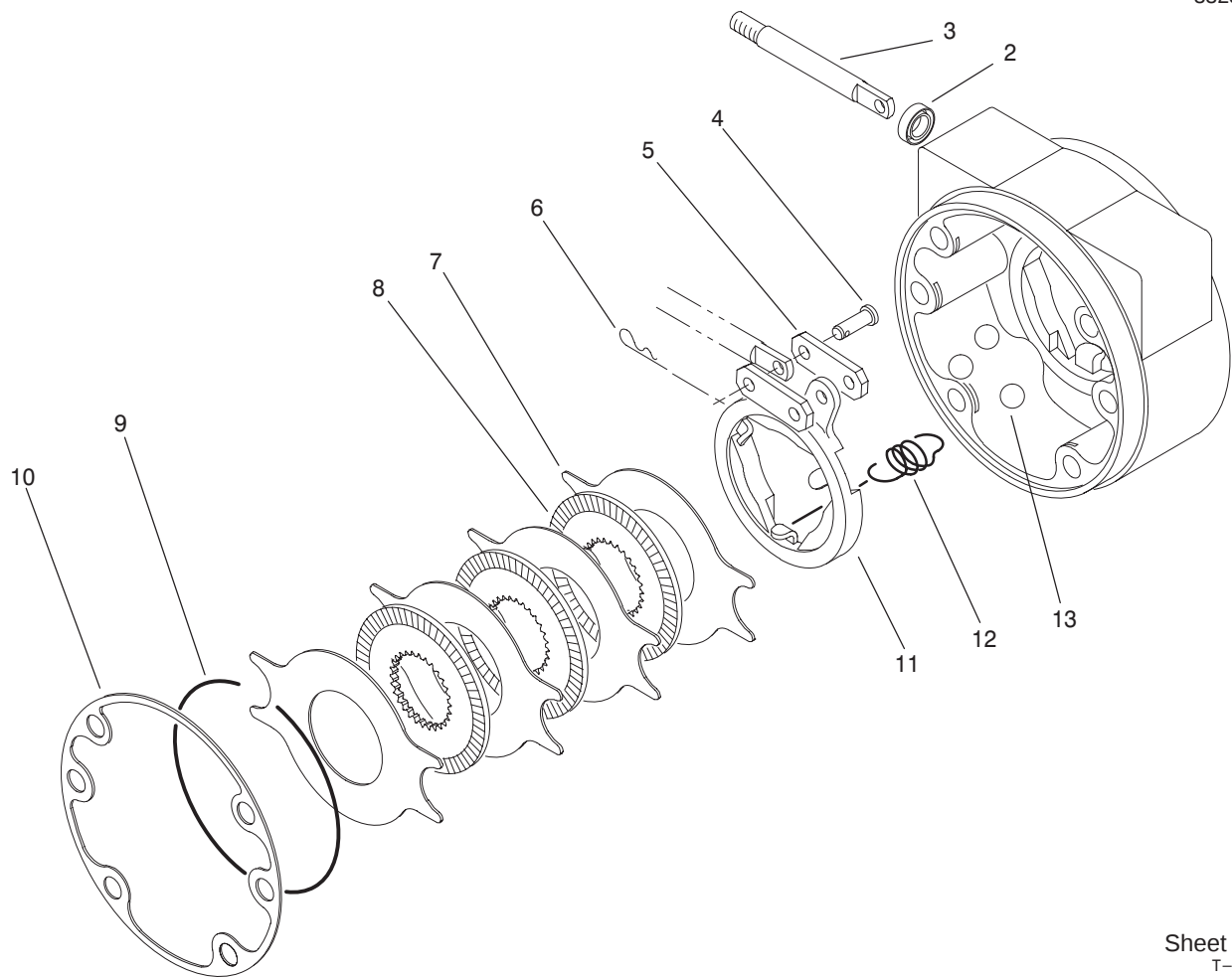
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



## RH – Hydraulic Motor Assembly # 92-7385

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 1        | 94-3004  | 1    | Shaft – Drive, Splined |
| 2        | 94-3005  | 1    | Backplate ASM          |
| 3        | 94-3006  | 1    | Housing ASM            |
| 4        | 76-6910  | 1    | Rotating Kit ASM       |
| 5        | 76-6970  | 1    | Insert-Cam Plate       |
| 6        | 76-7010  | 1    | Ring-Retaining         |
| 7        | 94-3002  | 6    | Capscrew               |
| 8        | 94-3007  | 1    | Washer                 |
| 9        | 94-3008  | 1    | Seal – Shaft           |
| 10       | 76-7000  | 2    | Ring-Retaining         |
| 11       | 76-6950  | 2    | Thrust Race            |
| 12       | 76-6980  | 1    | O-Ring                 |
| 13       | 94-3003  | 1    | Plate – Valve          |
| 14       | 76-6960  | 1    | Bearing-Thrust         |
| 15       | 94-3009  | 1    | Plug                   |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

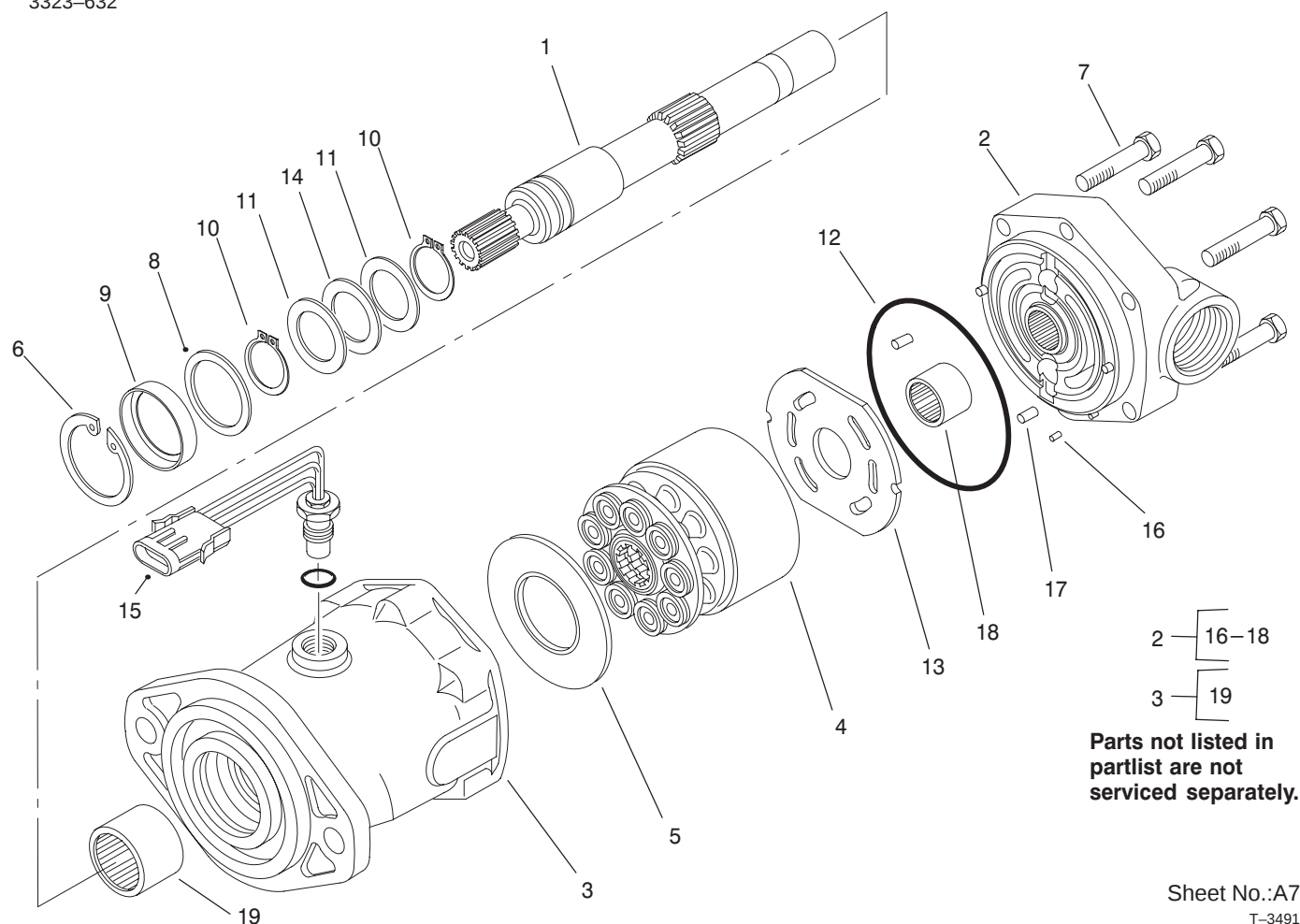


Sheet No.:A6  
T-3490

## RH – Brake Assembly

| Ref. No. | Part No. | Qty. | Description      |
|----------|----------|------|------------------|
| 2        | 93-7977  | 1    | Seal             |
| 3        | 93-7978  | 1    | Rod-Pull         |
| 4        | 93-7983  | 2    | Pin-Clevis       |
| 5        | 93-7980  | 2    | Link             |
| 6        | 93-7979  | 2    | Pin-Hitch        |
| 7        | 93-7986  | 4    | Disc-Stationary  |
| 8        | 93-7981  | 3    | Disc-Rotating    |
| 9        | 93-7976  | 1    | Ring-Retaining   |
| 10       | 93-7984  | 1    | Gasket           |
| 11       | 93-7982  | 1    | Actuator         |
| 12       | 93-7987  | 3    | Spring-Extension |
| 13       | 93-7985  | 3    | Ball             |

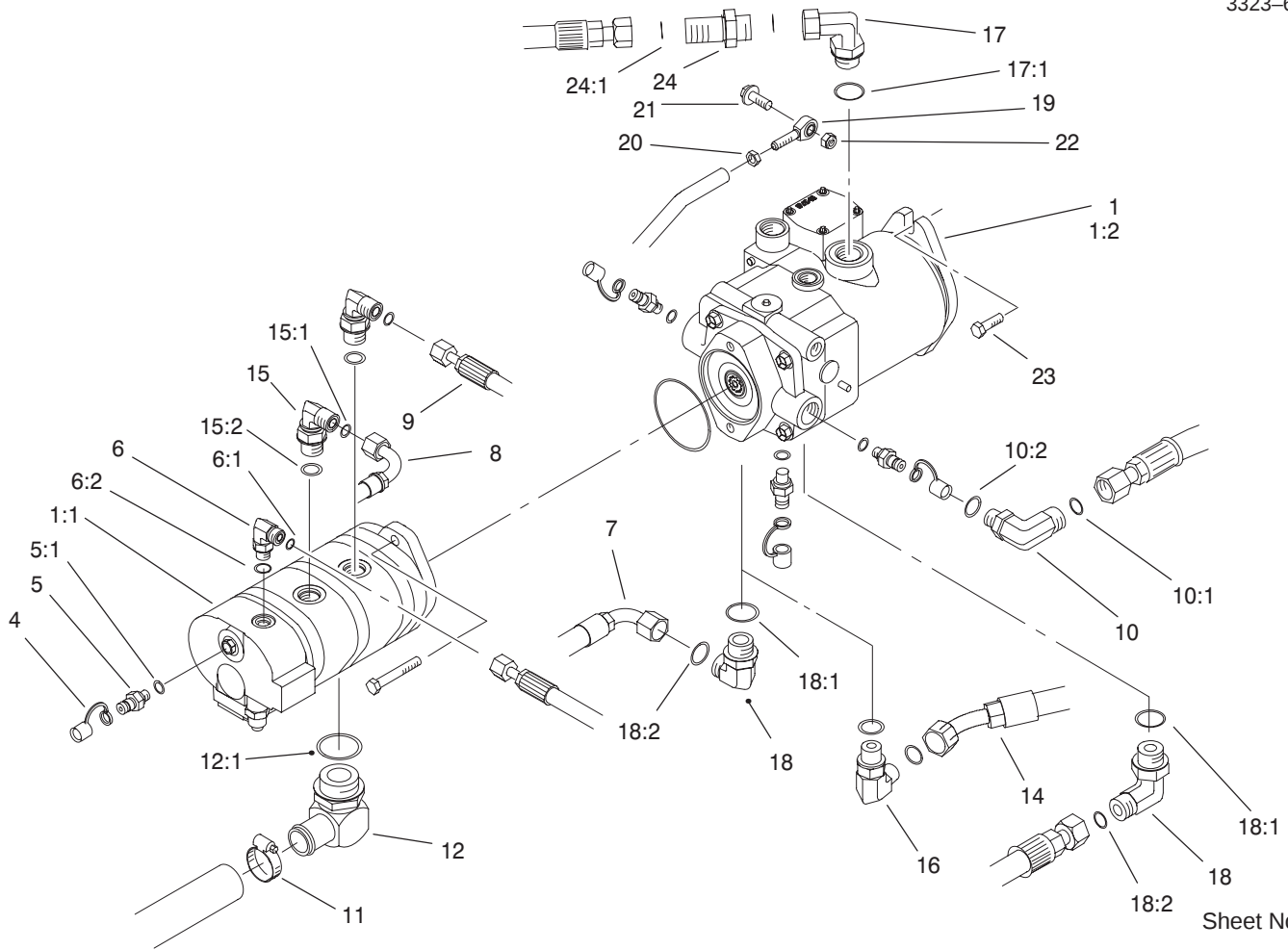
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



## LH – Hydraulic Motor Assembly # 93-7476

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 1        | 94-3004  | 1    | Shaft – Drive, Splined |
| 2        | 94-3005  | 1    | Backplate ASM          |
| 3        | 94-3006  | 1    | Housing ASM            |
| 4        | 76-6910  | 1    | Rotating Kit ASM       |
| 5        | 76-6970  | 1    | Insert-Cam Plate       |
| 6        | 76-7010  | 1    | Ring-Retaining         |
| 7        | 94-3002  | 6    | Capscrew               |
| 8        | 94-3007  | 1    | Washer                 |
| 9        | 94-3008  | 1    | Seal – Shaft           |
| 10       | 76-7000  | 2    | Ring-Retaining         |
| 11       | 76-6950  | 2    | Thrust Race            |
| 12       | 76-6980  | 1    | O-Ring                 |
| 13       | 94-3003  | 1    | Plate – Valve          |
| 14       | 76-6960  | 1    | Bearing-Thrust         |
| 15       | 94-3010  | 1    | Sensor – Speed Pickup  |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



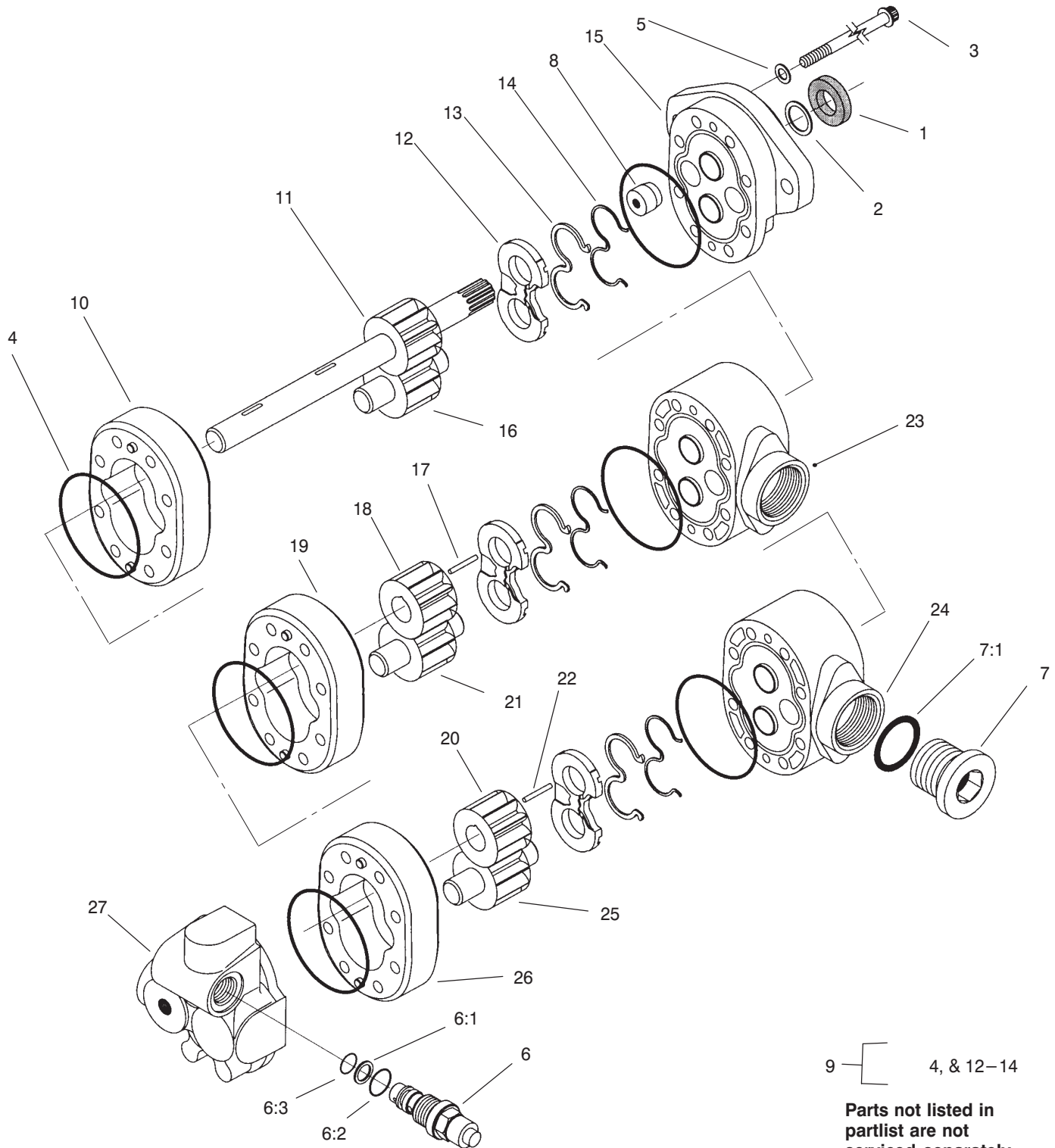
Sheet No.:11

# Hydraulic Pump Installation Assembly

| Ref. No. | Part No. | Qty. | Description                            |
|----------|----------|------|----------------------------------------|
| 1        | 93-7475  | 1    | Pump ASM                               |
| 1:1      |          | 1    | Gear Pump ASM                          |
| 1:2      |          | 1    | Servo Pump ASM                         |
| 4        | 354-79   | 4    | Cap – Fitting, Yellow                  |
| 5        | 354-77   | 4    | Fitting–Quick                          |
| 5:1      | 237-78   | 1    | O–Ring                                 |
| 6        | 340-77   | 1    | Fitting–Hyd. 90°                       |
| 6:1      | 237-22   | 1    | O–Ring                                 |
| 6:2      | 237-42   | 1    | O–Ring                                 |
| 7        | 92-7634  | 1    | Hydraulic Hose ASM<br>(Only On: 03803) |
| 8        | 92-7491  | 1    | Hose ASM                               |
| 9        | 92-7492  | 1    | Hose ASM                               |
| 10       | 340-17   | 1    | Adapter                                |
| 10:1     | 237-65   | 1    | O–Ring                                 |
| 10:2     | 237-80   | 1    | O–Ring                                 |
| 11       | 2412-111 | 1    | Clamp                                  |
| 12       | 92-7526  | 1    | Fitting – 90°                          |
| 12:1     | 237-101  | 1    | O–Ring                                 |
| 14       | 100-3813 | 1    | Hose ASM (Only On:<br>03804)           |
| 15       | 340-105  | 2    | Fitting–Hyd., 90°                      |
| 15:1     | 237-30   | 1    | O–Ring                                 |

| Ref. No. | Part No. | Qty. | Description                   |
|----------|----------|------|-------------------------------|
| 15:2     | 237-80   | 1    | O–Ring                        |
| 16       | 340-15   | 1    | Adapter (Only On:<br>03804)   |
| 16:1     | 237-58   | 1    | O–Ring (Only On:<br>03804)    |
| 16:2     | 237-146  | 1    | O–Ring (Only On:<br>03804)    |
| 17       | 94-2636  | 1    | Fitting – Hyd                 |
| 17:1     | 237-81   | 1    | O–Ring                        |
| 18       | 340-129  | 2    | Elbow–90° (Only<br>On: 03803) |
| 18       | 340-129  | 1    | Elbow–90° (Only<br>On: 03804) |
| 18:1     | 237-146  | 1    | O–Ring                        |
| 18:2     | 340-65   | 1    | O Ring                        |
| 19       | 2411-36  | 1    | Bearing–End, Rod              |
| 20       | 3220-3   | 1    | Nut–Jam                       |
| 21       | 3234-11  | 1    | Screw–HHF                     |
| 22       | 3296-59  | 1    | Nut–Lock, NI                  |
| 23       | 82-5050  | 2    | Screw–HH                      |
| 24       | 94-2637  | 1    | Fitting – Hyd                 |
| 24:1     | 237-58   | 2    | O–Ring                        |

# Gear Pump Assembly # 93-2175



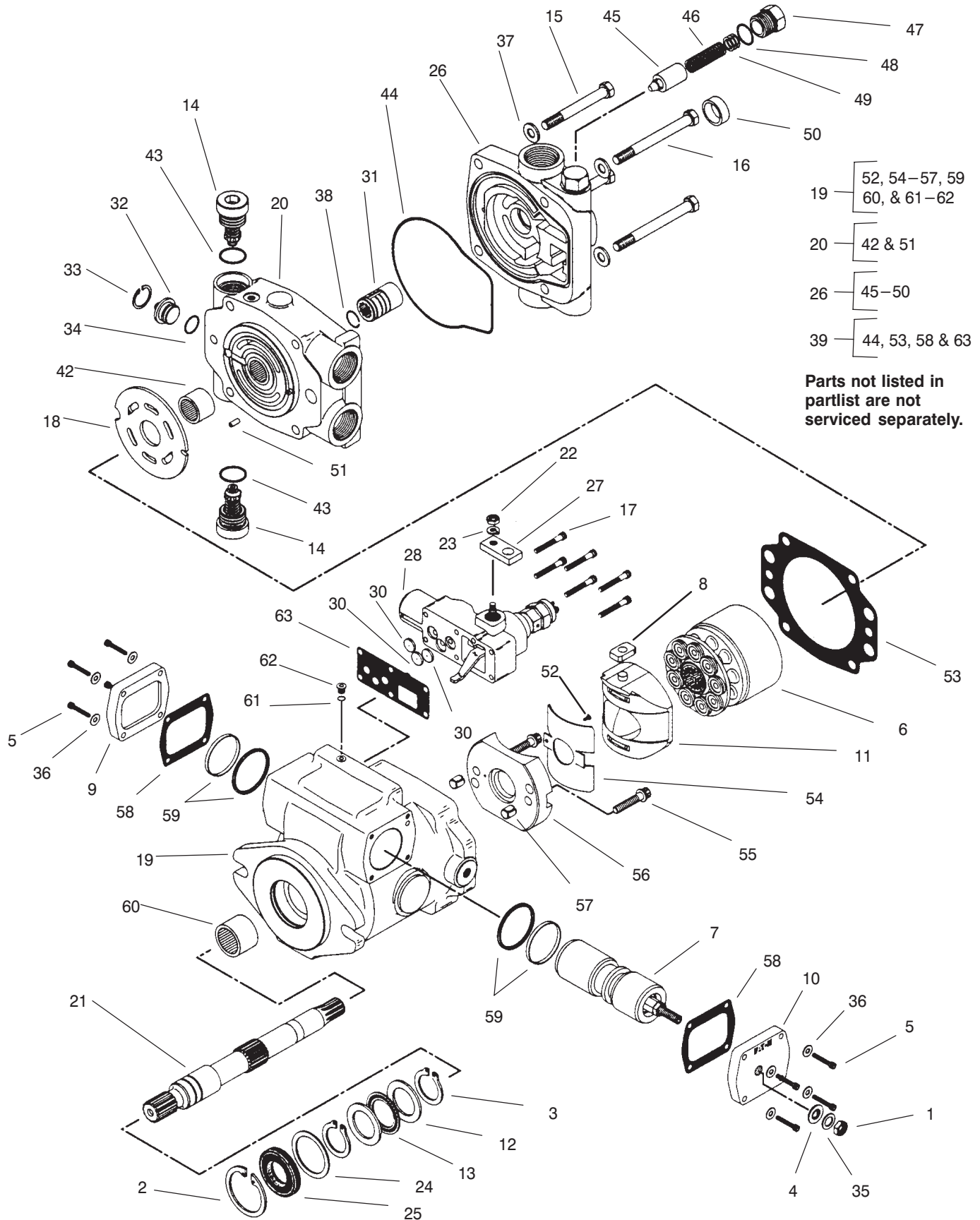
# Gear Pump Assembly # 93-2175

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 1        | 49-2640  | 1    | Shaft Seal           |
| 2        | 60-5890  | 1    | Washer               |
| 3        | 94-3012  | 8    | Capscrew             |
| 4        | 56-6710  | 6    | O-Ring – Motor, Gear |
| 5        | 74-8920  | 4    | Washer – Copper      |

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 6        | 94-3014  | 1    | Relief Valve ASM     |
| 7        | 94-3013  | 1    | Plug                 |
| 8        | 94-3011  | 1    | Plug                 |
| 9        | 94-3015  | 1    | Seal Kit             |
| 9:1      | 56-6710  | 6    | O-Ring – Motor, Gear |

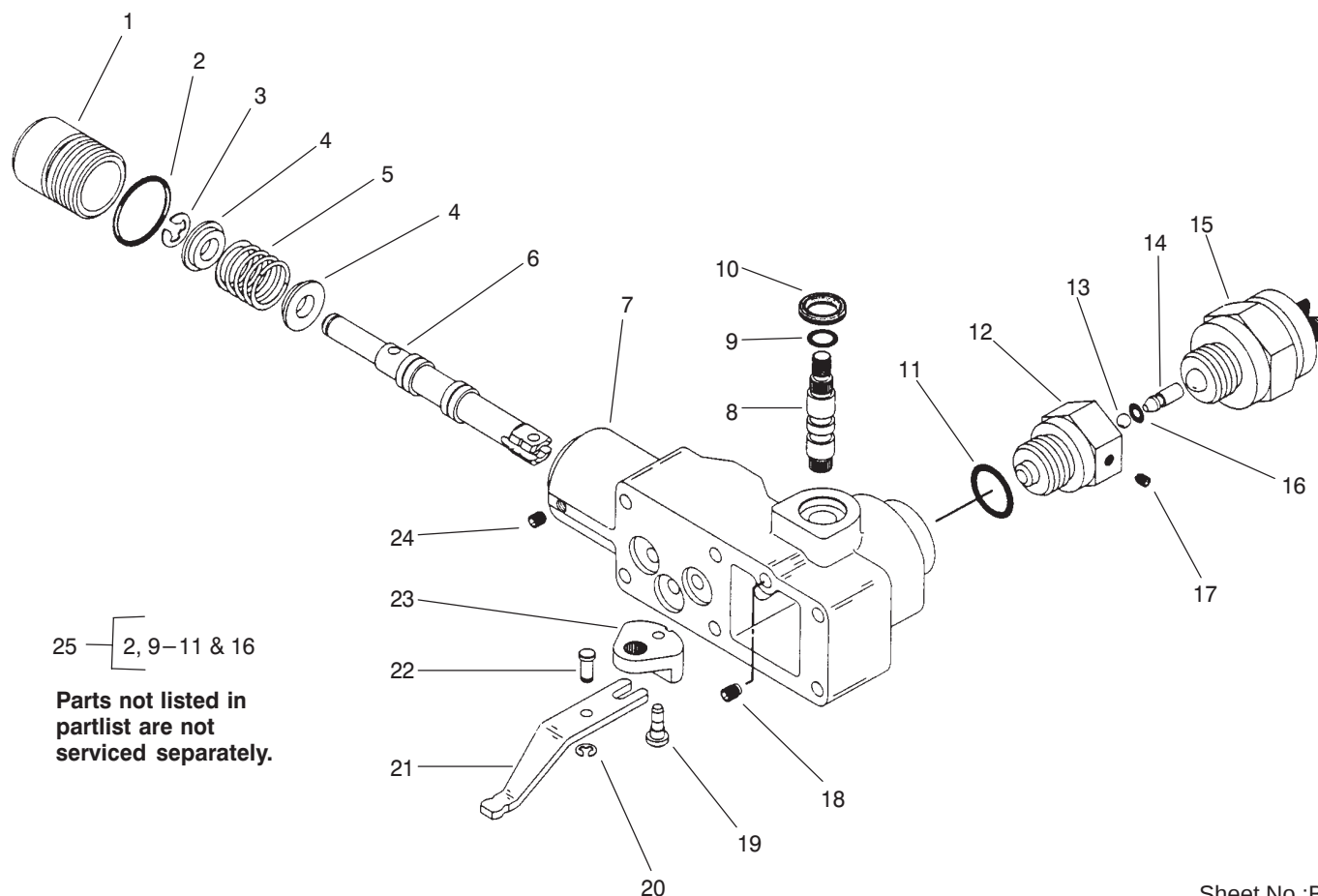
\* Not illustrated

# Servo Controlled Piston Pump Assembly # 98-3730



| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

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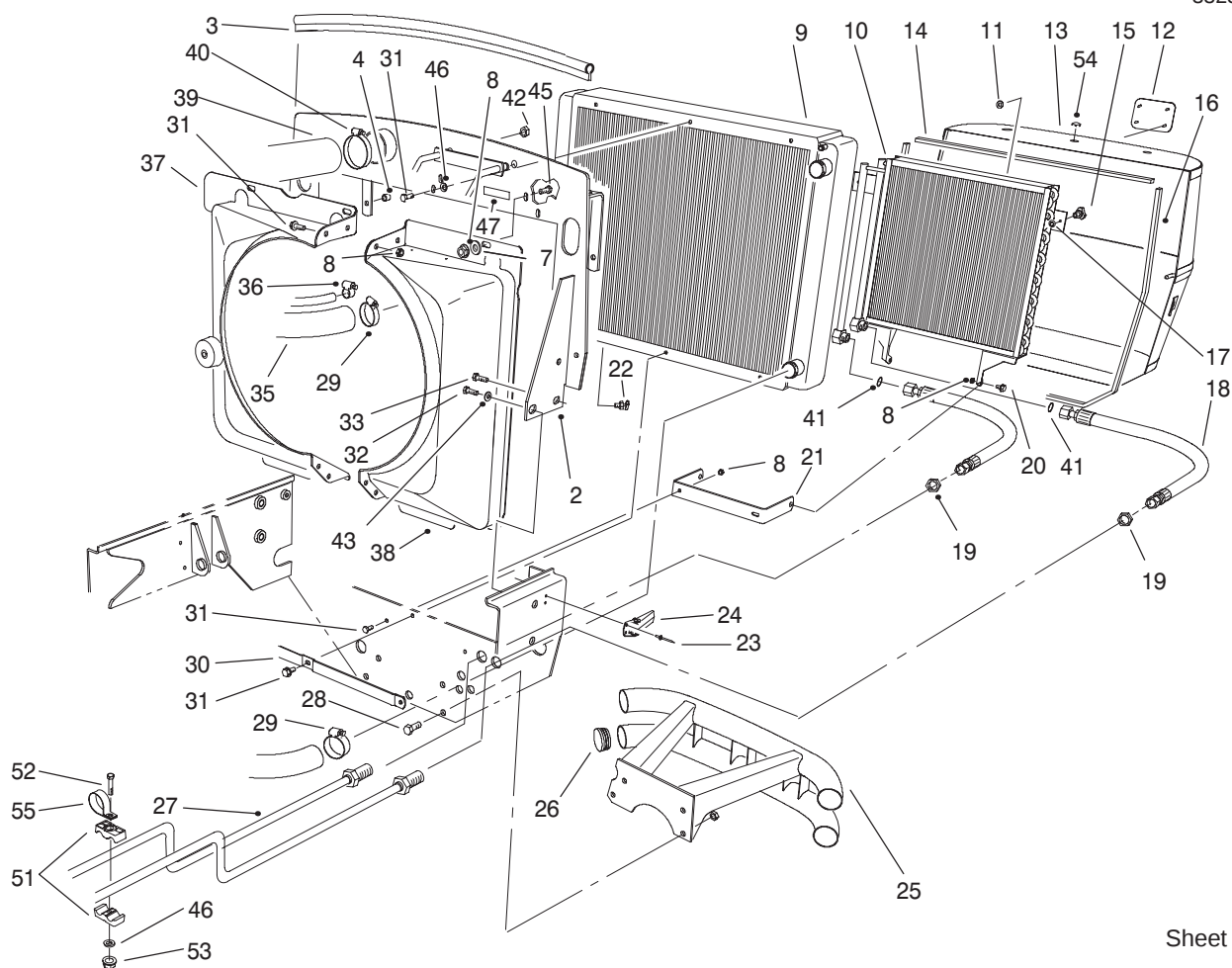


Sheet No.:B1  
T-3494

# Manual Servo Control # 94-3019

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 15       | 94-3043  | 1    | Switch-Safety, Neutral |
| 25       | 94-3044  | 1    | Seal Kit               |

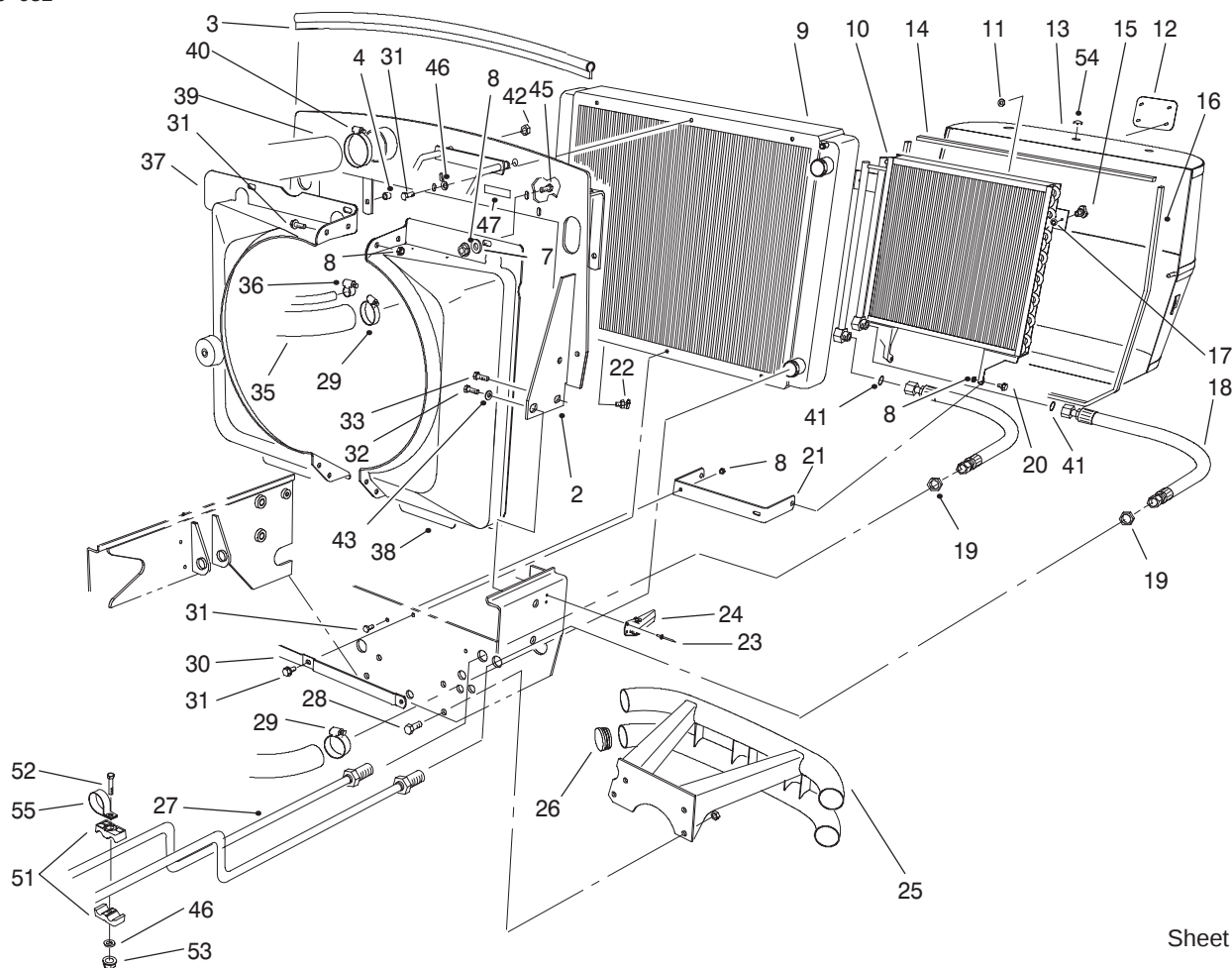
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:12

## Radiator and Shroud Assembly

| Ref. No. | Part No.    | Qty. | Description                   | Ref. No. | Part No.   | Qty. | Description                |
|----------|-------------|------|-------------------------------|----------|------------|------|----------------------------|
| 2        | 92-7388-03  | 1    | Support-Radiator              | 26       | 2410-42    | 2    | Cap-End (Only On: 03803)   |
| 3        | 93-7553     | 1    | Seal - Hood                   | 26       | 2410-42    | 4    | Cap-End (Only On: 03804)   |
| 4        | 32148-10    | 2    | Nut-Insert                    | 27       | 92-7558    | 1    | Right Rear Cooler Tube ASM |
| 7        | 3256-56     | 3    | Washer-Flat                   | 28       | 325-6      | 4    | Screw-HH                   |
| 8        | 32128-20    | 9    | Nut-HF                        | 29       | 2412-3     | 2    | Hose Clamp                 |
| 9        | 74-3410     | 1    | Radiator ASM                  | 30       | 92-7416-03 | 1    | Strap - Radiator           |
| 10       | 82-3740     | 1    | Cooler-Oil                    | 31       | 3234-5     | 10   | Screw-HHF                  |
| 11       | 94-2638     | 4    | Nut-Tinnerman                 | 32       | 33118-025  | 2    | Screw-HH                   |
| 12       | 93-6028     | 1    | Plate - Logo, Toro            | 33       | 3234-18    | 2    | Capscrew                   |
| 13       | 92-7505-03  | 1    | Screen                        | 35       | 93-4215    | 1    | Hose-Radiator, Upper Rear  |
| 14       | 92-7631     | 1    | Seal - Screen                 | 36       | 2412-36    | 1    | Clamp-Hose                 |
| 15       | 77-3620     | 2    | Knob                          | 37       | 92-7374    | 1    | Shroud - Fan, RH           |
| 16       | 93-4208     | 1    | Seal - Strip Screen           | 38       | 92-7375    | 1    | Shroud - Fan, LH           |
| 17       | 32151-72    | 2    | Ring-Retaining                | 39       | 93-7584    | 1    | Hose - Intake              |
| 18       | 92-7535     | 2    | Hose ASM                      | 40       | 2412-125   | 1    | Clamp - Hose               |
| 19       | 340-74      | 2    | Locknut-Bulkhead              | 41       | 237-65     | 2    | O-Ring                     |
| 20       | 37-8771     | 2    | Bolt-Shoulder                 | 42       | 3296-23    | 2    | Nut-Lock, NI               |
| 21       | 92-7516-03  | 1    | Bracket-Support, Cooler Base  | 43       | 3256-27    | 2    | Washer-Flat                |
| 22       | 304-46      | 1    | Draincock                     | 45       | 3230-2     | 3    | Screw-CARR                 |
| 23       | 3269-4      | 4    | Rivet-Pop                     | 46       | 3256-23    | 4    | Washer-Flat                |
| 24       | 69-3020     | 2    | Latch-Camloc                  | 47       | 93-6681    | 1    | Decal-Warning, Fan         |
| 25       | 100-3776-03 | 1    | Bumper-Short (Only On: 03803) | 51       | 94-8105    | 2    | Clamp - Tube               |
| 25       | 100-3758-03 | 1    | Bumper (Only On: 03804)       |          |            |      |                            |

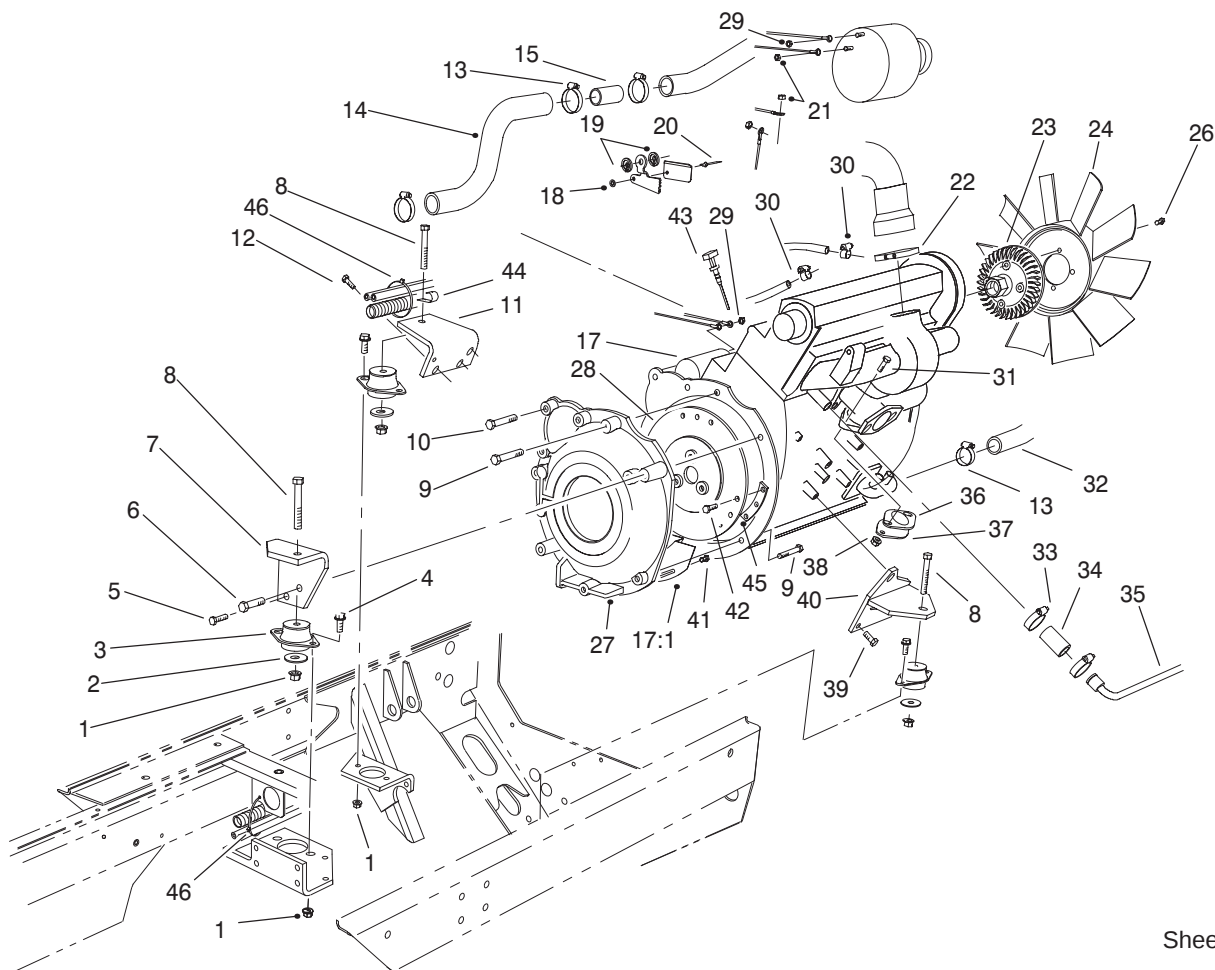


Sheet No.:12

## Radiator and Shroud Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description                  |
|----------|----------|------|------------------------------|
| 52       | 322-9    | 1    | Screw-HH                     |
| 53       | 3296-47  | 1    | Nut-Lock, NI                 |
| 54       | 2410-64  | 3    | Plug-Button                  |
| 55       | 2412-147 | 1    | Clamp                        |
| *        | 77-4280  | 8    | Anti Freeze (Only On: 03803) |

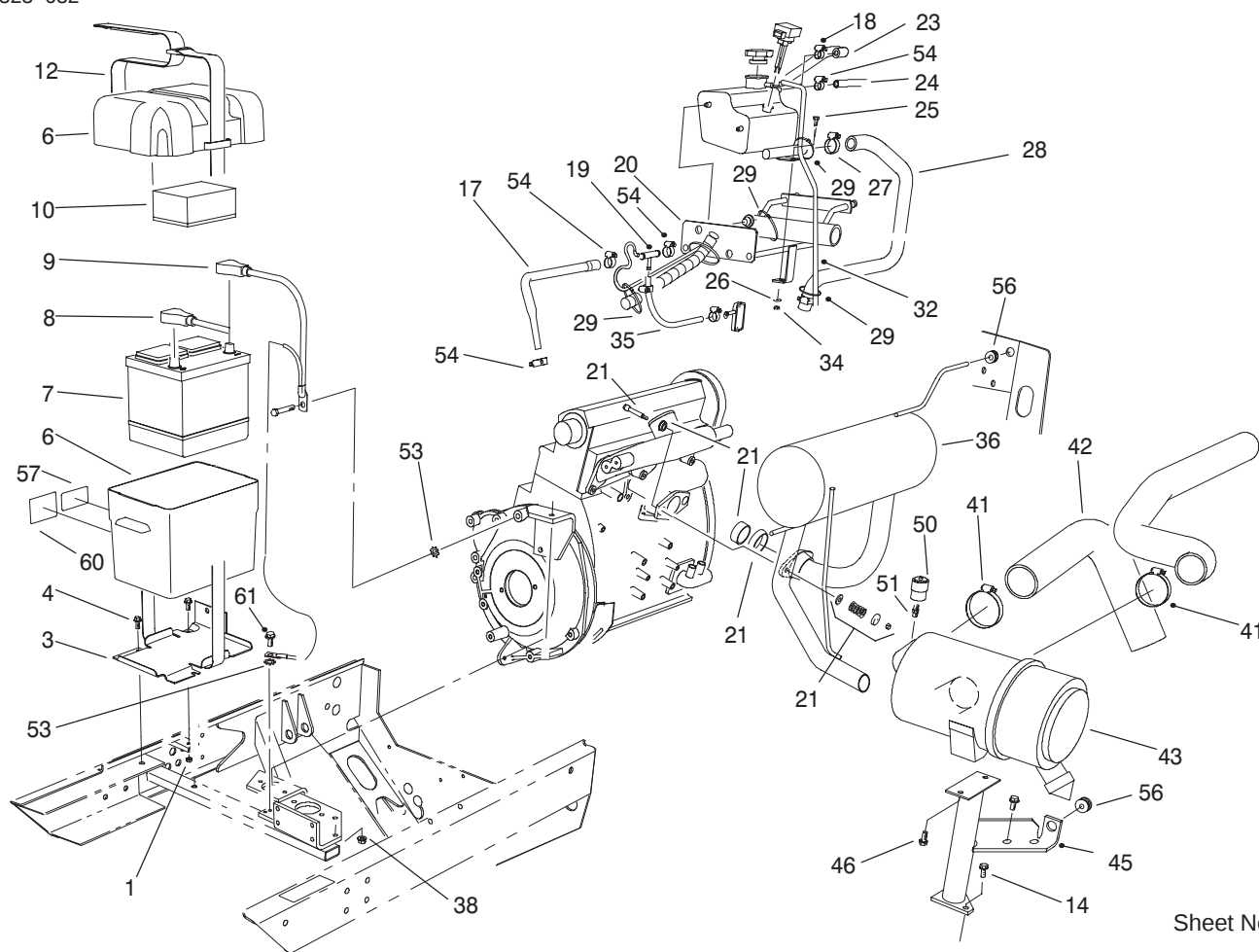
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:13

## Engine Installation Assembly

| Ref. No. | Part No.   | Qty. | Description          | Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|----------------------|----------|------------|------|------------------------|
| 1        | 33005-00   | 9    | Nut-Hex Flange       | 27       | 82-5120-03 | 1    | Adapter Plate          |
| 2        | 87-5100    | 3    | Washer - Snubbing    | 28       | 94-1421    | 1    | Coupling-Center Spring |
| 3        | 53-9681    | 3    | Mount-Engine         | 29       | 33104-00   | 2    | Nut-Jam                |
| 4        | 33105-030  | 6    | Screw-HHF            | 30       | 2412-108   | 2    | Clamp-Worm             |
| 5        | 33115-030  | 1    | Screw-HH             | 31       | 33104-020  | 2    | Screw-HHF              |
| 6        | 48-7840    | 1    | Bolt                 | 32       | 92-7463    | 1    | Hose-Radiator, Lower   |
| 7        | 92-7425-03 | 1    | Support-Engine Mount | 33       | 2412-129   | 4    | Clamp-Hose             |
| 8        | 33105-070  | 3    | Screw-HHF            | 34       | 74-6490    | 2    | Hose -Water Line       |
| 9        | 48-7570    | 3    | Bolt-HH              | 35       | 92-7381    | 1    | Tube - Water Return    |
| 10       | 48-7810    | 3    | Screw                | 36       | 77-3700    | 1    | Gasket-Exhaust Muffler |
| 11       | 92-7429-03 | 1    | Mount-Motor, RH      | 37       | 92-7382-03 | 1    | Cover                  |
| 12       | 33114-020  | 4    | Screw-HH             | 38       | 33004-00   | 2    | Nut-HF                 |
| 13       | 2412-3     | 4    | Hose Clamp           | 39       | 33115-025  | 3    | Screw-HH               |
| 14       | 94-1418    | 1    | Hose-Radiator, Upper | 40       | 92-7426-03 | 1    | Mount-Motor, LH        |
| 15       | 93-7594    | 1    | Spacer               | 41       | 33113-012  | 3    | Screw-HH               |
| 17       | 100-3794   | 1    | Engine ASM           | 42       | 33114-016  | 6    | Screw-HH               |
| 17:1     | 77-3600    | 1    | Shield-Adapter       | 43       | 93-9176    | 1    | Dipstick               |
| 18       | 3256-49    | 1    | Washer-Flat          | 44       | 2412-150   | 1    | J-Clip                 |
| 19       | 86-2990    | 2    | Mount-Throttle Cable | 45       | 94-1422    | 3    | Spacer - Coupling      |
| 20       | 3290-282   | 1    | Rivet-Pop, Steel     | 46       | 3290-378   | 1    | Tie-Cable              |
| 21       | 48-7880    | 3    | Nut                  |          |            |      |                        |
| 22       | 2412-125   | 1    | Clamp - Hose         |          |            |      |                        |
| 23       | 92-7466    | 1    | Clutch - Fan         |          |            |      |                        |
| 24       | 74-3650    | 1    | Fan                  |          |            |      |                        |
| 26       | 33104-016  | 4    | Screw-HHF            |          |            |      |                        |



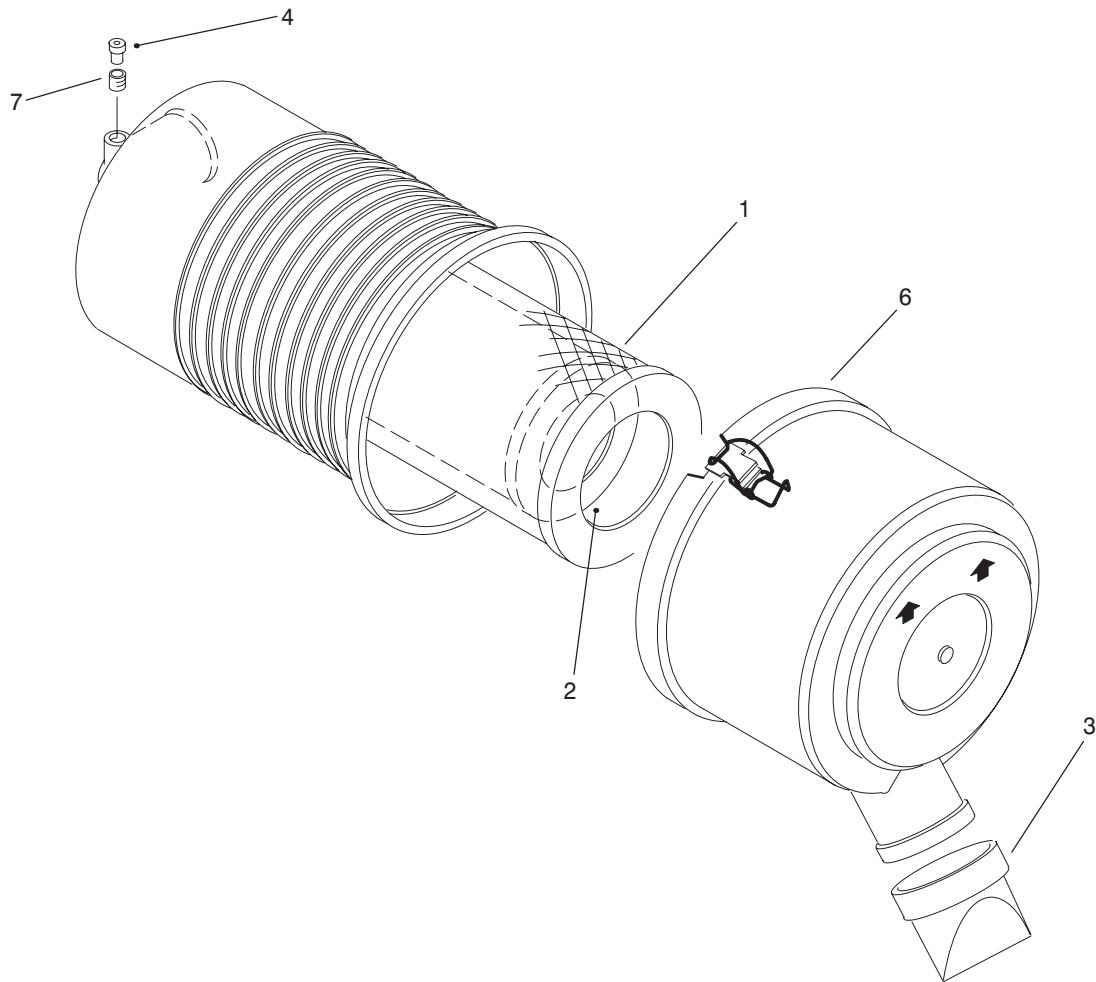
Sheet No.:14

## Engine Components Assembly

| Ref. No. | Part No.   | Qty. | Description                 |
|----------|------------|------|-----------------------------|
| 1        | 3296-29    | 1    | Nut-Lock, NI                |
| 3        | 93-7974-03 | 1    | Plate – Battery Box         |
| 4        | 3234-5     | 3    | Screw-HHF                   |
| 6        | 93-7595    | 1    | Box-Battery                 |
| 7        | 93-3220    | 1    | Battery                     |
| 8        | 75-1370    | 1    | Cable-Battery, Positive     |
| 9        | 94-1411    | 1    | Cable – Battery             |
| 10       | 93-7968    | 1    | Pad – Foam                  |
| 12       | 94-1445    | 1    | Strap – Battery             |
| 14       | 33105-030  | 2    | Screw-HHF                   |
| 17       | 94-2630    | 1    | Hose – Return               |
| 18       | 2412-108   | 3    | Clamp-Worm (Only On: 03804) |
| 19       | 93-4207    | 1    | Fitting – Hose Tee          |
| 20       | 94-1408-03 | 1    | Support-Degass              |
| †21      | 94-2814    | 1    | Kit – Exhaust Coupler       |
| 23       | 93-7591    | 1    | Hose – Return               |
| 24       | 92-7424    | 1    | Hose – Radiator Overflow    |
| 25       | 33103-020  | 1    | Screw-HHF                   |
| 26       | 33093-00   | 1    | Washer-Flat                 |
| 27       | 2412-129   | 2    | Clamp-Hose                  |
| 28       | 93-7589    | 1    | Hose – Overflow             |
| 29       | 3290-378   | 4    | Tie-Cable                   |
| 32       | 55-4130    | 1    | Hose-Fuel Line              |

| Ref. No. | Part No.   | Qty. | Description           |
|----------|------------|------|-----------------------|
| 34       | 33023-00   | 1    | Nut-Lock NI           |
| 35       | 63-7622    | 1    | Hose-Fuel             |
| 36       | 93-9178    | 1    | Muffler ASM           |
| 38       | 33005-00   | 2    | Nut-Hex Flange        |
| 41       | 2412-125   | 2    | Clamp – Hose          |
| 42       | 94-2624    | 1    | Hose – Manifold       |
| 43       | 93-7485    | 1    | Air Filter ASM        |
| 45       | 94-8108-03 | 1    | Support-Air Filter    |
| 46       | 33104-016  | 2    | Screw-HHF             |
| 50       | 93-9164    | 1    | Indicator – Mini      |
| 51       | 94-1416    | 1    | Indicator Adapter ASM |
| 53       | 3255-9     | 2    | Washer-Lock/Ext       |
| 54       | 2412-36    | 4    | Clamp-Hose            |
| 56       | 94-2812    | 2    | Grommet               |
| 57       | 93-6668    | 1    | Decal – Battery       |
| 60       | 93-7276    | 1    | Decal – Danger        |
| 61       | 32144-11   | 1    | Screw-TAP             |

† Furnished with Engine

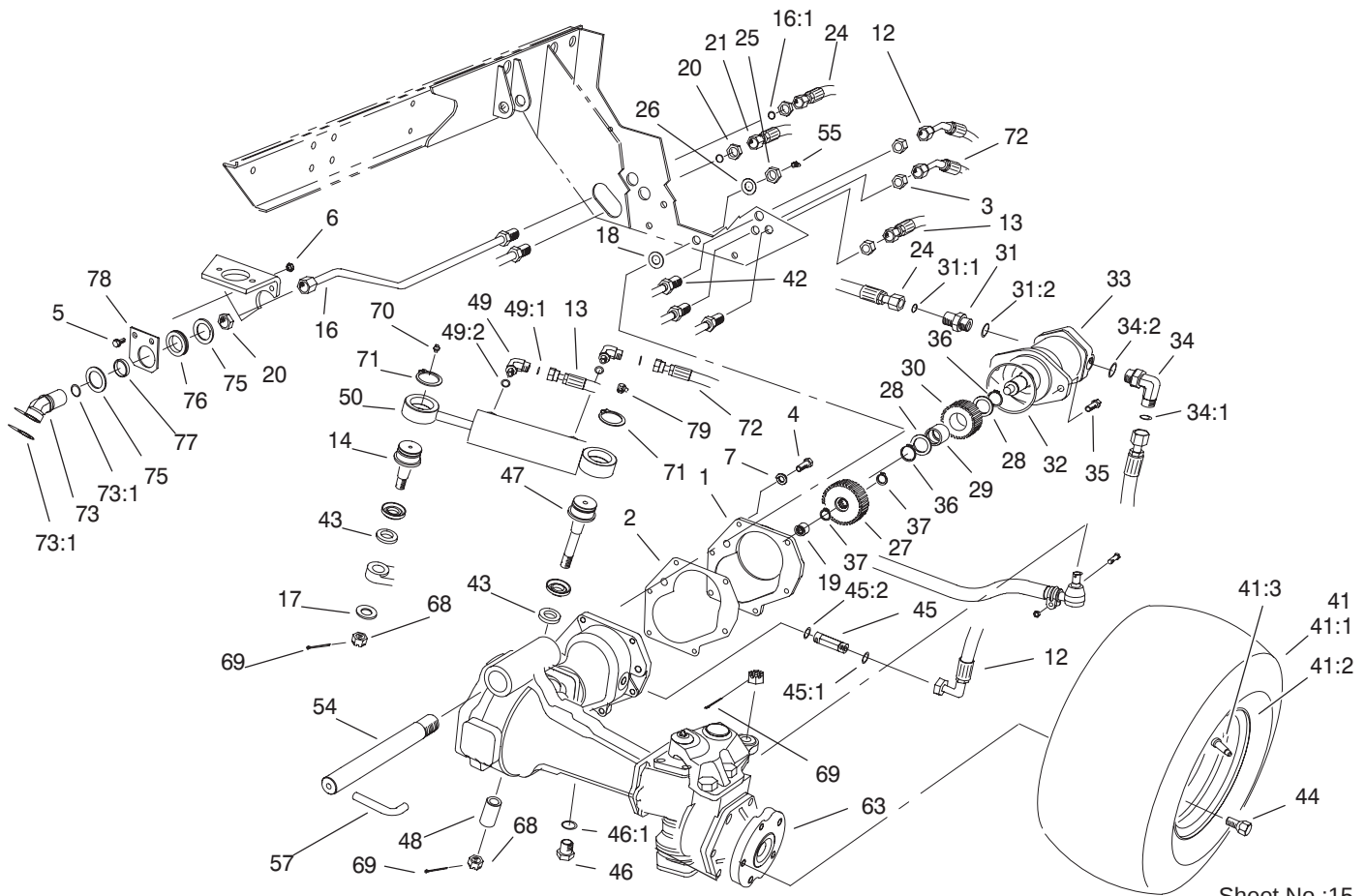


Sheet No.:B2  
T-3495

## Air Cleaner Assembly # 93-7485

| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| 1        | 93-9162  | 1    | Filter – Primary      |
| 2        | 93-9163  | 1    | Filter – Secondary    |
| 3        | 94-1414  | 1    | Valve – Vacuator      |
| 4        | 93-9164  | 1    | Indicator – Mini      |
| 6        | 93-5986  | 1    | Cover ASM             |
| 7        | 94-1416  | 1    | Indicator Adapter ASM |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

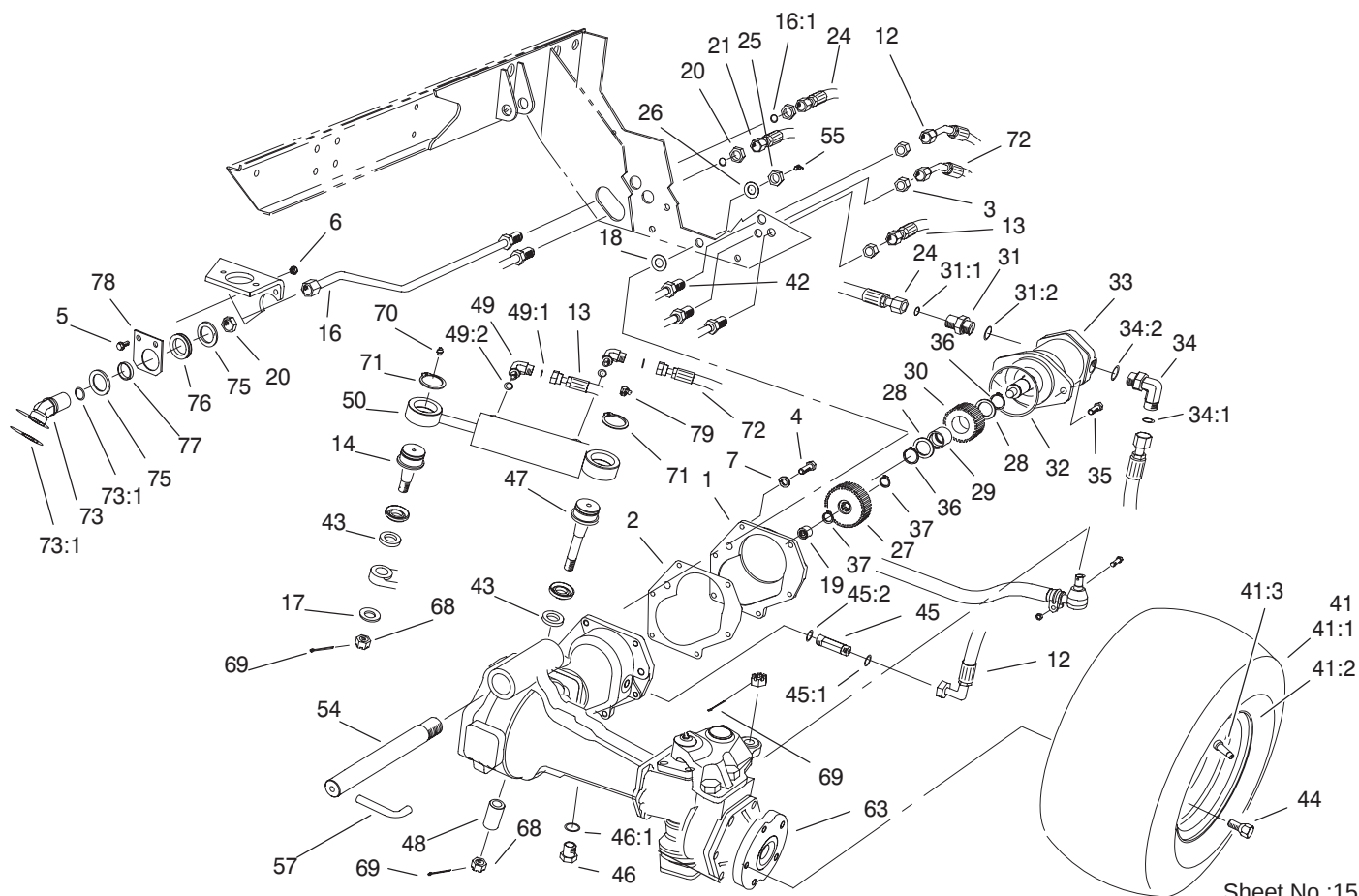


Sheet No.:15

## 4WD – Rear Axle Assembly (Model # 03804)

| Ref. No. | Part No.   | Qty. | Description                       |
|----------|------------|------|-----------------------------------|
| 1        | 95-7541    | 1    | Plate-Cover (Only On: 03804)      |
| 2        | 95-7540    | 1    | Gasket (Only On: 03804)           |
| 3        | 340-70     | 3    | Locknut-Bulkhead (Only On: 03804) |
| 4        | 33114-025  | 6    | Screw-HH (Only On: 03804)         |
| 5        | 323-6      | 2    | Screw-HH (Only On: 03804)         |
| 6        | 32128-21   | 2    | Nut-HF (Only On: 03804)           |
| 7        | 3253-4     | 6    | Washer (Only On: 03804)           |
| 12       | 92-7534    | 1    | Hose ASM (Only On: 03804)         |
| 13       | 92-7538    | 1    | Hose ASM (Only On: 03804)         |
| 14       | 92-5838-01 | 1    | Ball Joint (Only On: 03804)       |
| 16       | 92-7472    | 1    | Rear Tube ASM (Only On: 03804)    |
| 16:1     | 237-58     | 1    | O-Ring (Only On: 03804)           |
| 17       | 92-5836    | 1    | Washer – Axle (Only On: 03804)    |

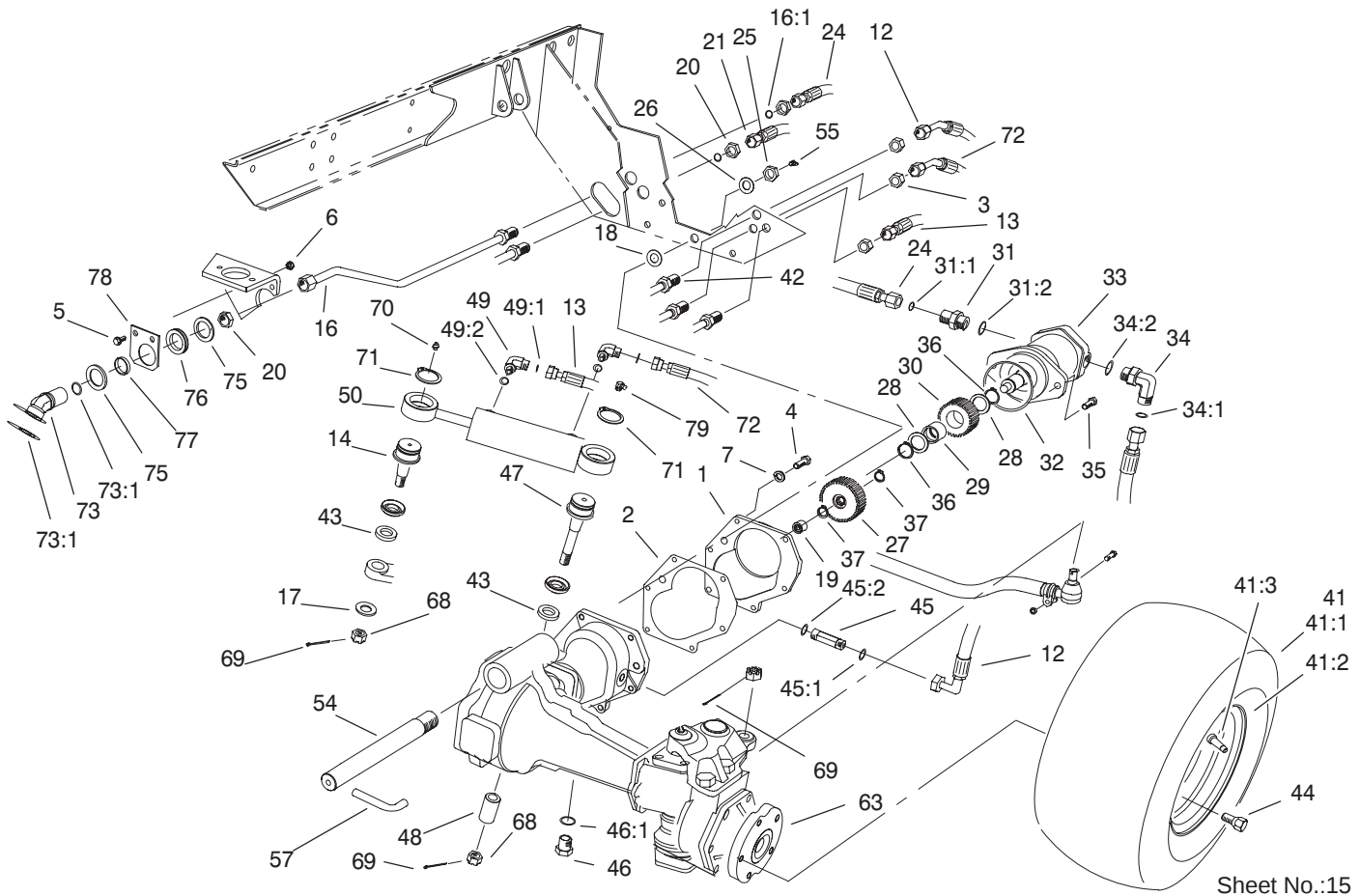
| Ref. No. | Part No. | Qty. | Description                             |
|----------|----------|------|-----------------------------------------|
| 18       | 98-3867  | 2    | Washer – Thrust (Only On: 03804)        |
| 19       | 74-5700  | 1    | Bearing-Needle, Roller (Only On: 03804) |
| 20       | 340-126  | 3    | Nut-Bulkhead (Only On: 03804)           |
| 21       | 92-7537  | 1    | Hose ASM (Only On: 03804)               |
| 24       | 92-7536  | 1    | Hose ASM (Only On: 03804)               |
| 25       | 3296-68  | 1    | Nut-Lock NI (Only On: 03804)            |
| 26       | 92-1765  | 1    | Washer – Thrust (Only On: 03804)        |
| 27       | 100-3774 | 1    | Gear-Driven,10 Pitch (Only On: 03804)   |
| 28       | 71-4590  | 2    | Washer-Thrust (Only On: 03804)          |
| 29       | 71-4580  | 1    | Bearing (Only On: 03804)                |
| 30       | 100-3775 | 1    | Gear-Driver,10 Pitch (Only On: 03804)   |
| 31       | 340-9    | 1    | Fitting-Straight (Only On: 03804)       |



## 4WD – Rear Axle Assembly (Model # 03804–Continued)

| Ref. No. | Part No. | Qty. | Description                       | Ref. No. | Part No. | Qty. | Description                          |
|----------|----------|------|-----------------------------------|----------|----------|------|--------------------------------------|
| 31:1     | 237-58   | 1    | O-Ring (Only On: 03804)           | 42       | 92-7553  | 1    | Tube – Rear Drain (Only On: 03804)   |
| 31:2     | 237-81   | 1    | O-Ring (Only On: 03804)           | *42:1    | 237-22   | 1    | O-Ring (Only On: 03804)              |
| 32       | 237-166  | 1    | O-Ring (Only On: 03804)           | 43       | 92-5833  | 2    | Spacer – Ball Joint (Only On: 03804) |
| 33       | 92-7386  | 1    | Motor-Hydraulic (Only On: 03804)  | 44       | 74-5500  | 10   | Bolt – Wheel (Only On: 03804)        |
| 34       | 340-142  | 1    | Elbow-90° (Only On: 03804)        | 45       | 340-2    | 1    | Adapter (Only On: 03804)             |
| 34:1     | 237-58   | 1    | O-Ring (Only On: 03804)           | 45:1     | 237-22   | 1    | O-Ring (Only On: 03804)              |
| 34:2     | 237-81   | 1    | O-Ring (Only On: 03804)           | 45:2     | 237-42   | 1    | O-Ring (Only On: 03804)              |
| 35       | 325-4    | 2    | Screw-HH (Only On: 03804)         | 46       | 353-989  | 1    | Plug-Hollow Hex (Only On: 03804)     |
| 36       | 32151-96 | 2    | Ring-Retaining (Only On: 03804)   | 46:1     | 237-42   | 1    | O-Ring (Only On: 03804)              |
| 37       | 32120-15 | 2    | Ring-Snap, Ext. (Only On: 03804)  | 47       | 100-3795 | 1    | Ball Joint (Only On: 03804)          |
| 41       | 86-2820  | 2    | Tire & Wheel ASM (Only On: 03804) | 48       | 100-3796 | 1    | Spacer-Ball Joint (Only On: 03804)   |
| 41:1     | 86-5910  | 1    | Tire (Only On: 03804)             | 49       | 340-97   | 2    | Fitting-90° (Only On: 03804)         |
| 41:2     | 100-2582 | 1    | Rim (Only On: 03804)              | 49:1     | 237-22   | 1    | O-Ring (Only On: 03804)              |
| 41:3     | 232-27   | 1    | Stem-Valve (Only On: 03804)       |          |          |      |                                      |

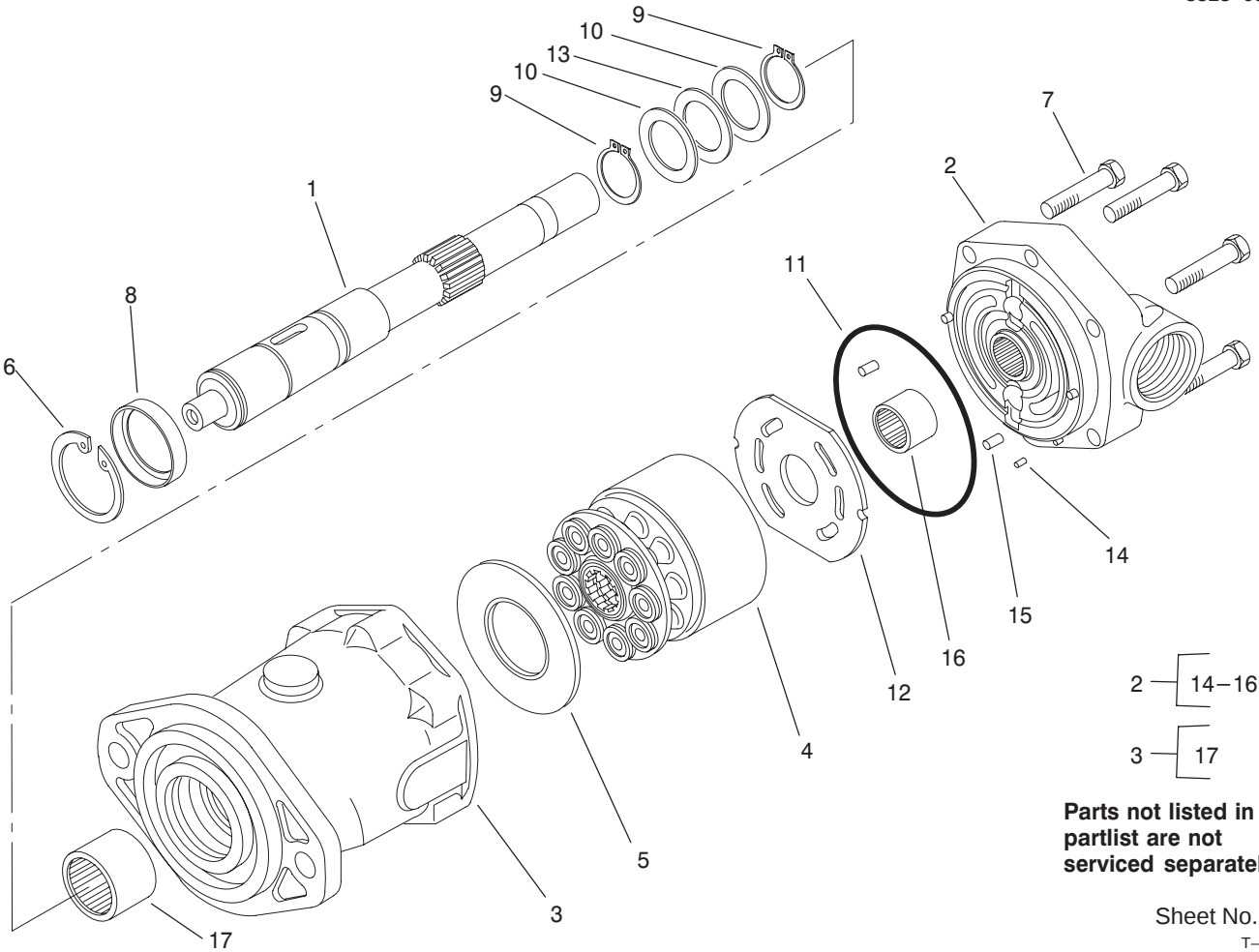
\* Not illustrated



## 4WD – Rear Axle Assembly (Model # 03804–Continued)

| Ref. No. | Part No. | Qty. | Description                          |
|----------|----------|------|--------------------------------------|
| 49:2     | 237-78   | 1    | O-Ring (Only On: 03804)              |
| 50       | 98-3806  | 1    | Hyd. Cylinder ASM (Only On: 03804)   |
| 54       | 100-3770 | 1    | Pin-Axle, Pivot (Only On: 03804)     |
| 55       | 302-33   | 1    | Fitting-Grease (Only On: 03804)      |
| 57       | 100-3771 | 1    | Pin-Stop (Only On: 03804)            |
| 63       | 100-3784 | 1    | Drive Axle ASM (Only On: 03804)      |
| 68       | 32136-14 | 2    | Nut-Hex Slotted (Only On: 03804)     |
| 69       | 3272-12  | 4    | Pin-Cotter (Only On: 03804)          |
| 70       | 302-5    | 1    | Fitting-Lube (Only On: 03804)        |
| 71       | 94-9973  | 2    | Ring – Retaining (Only On: 03804)    |
| 72       | 92-7539  | 1    | Hose ASM (Only On: 03804)            |
| 73       | 92-7646  | 1    | Elbow-Bulkhead, 45° (Only On: 03804) |
| 73:1     | 237-58   | 2    | O-Ring (Only On: 03804)              |

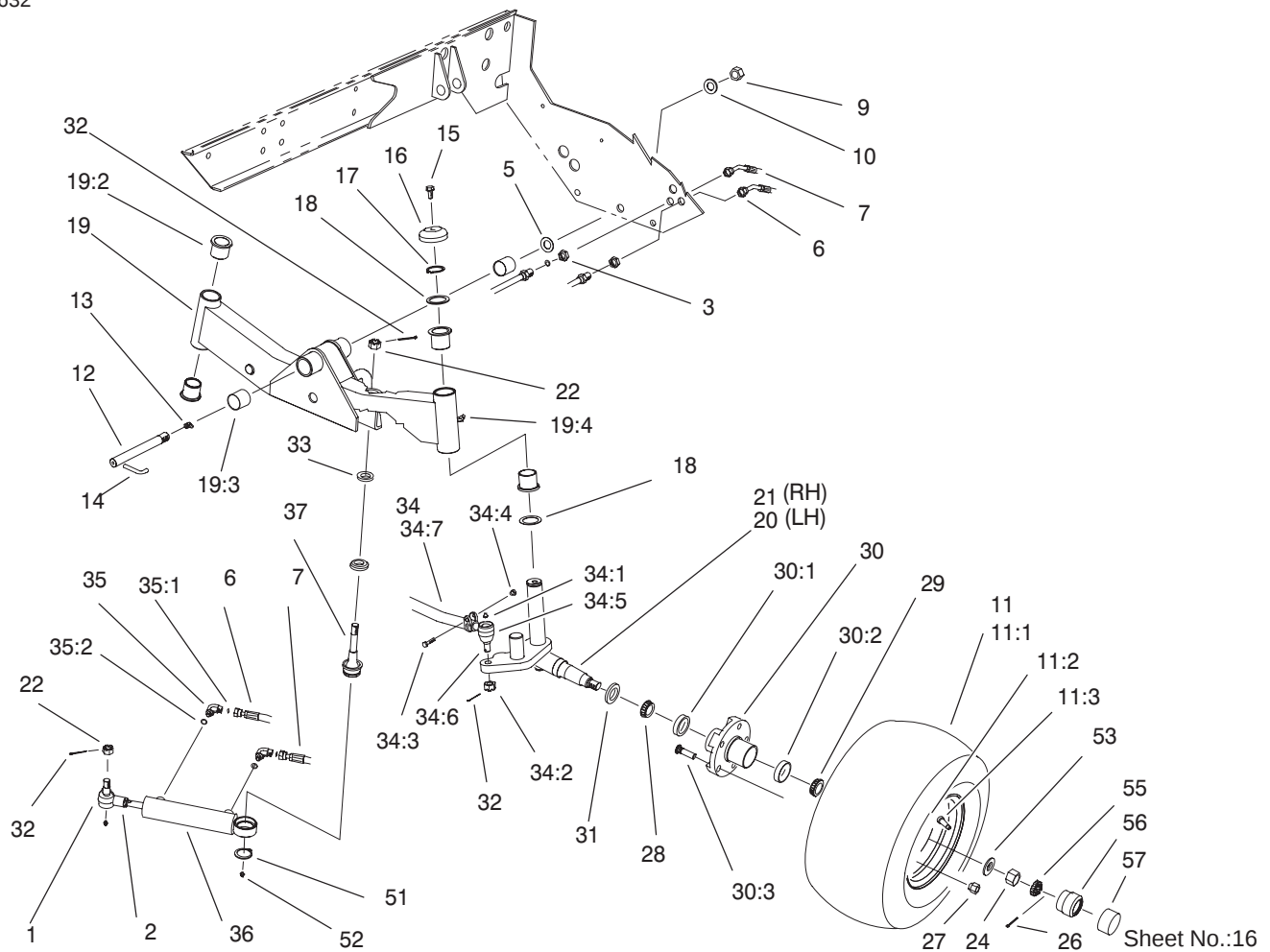
| Ref. No. | Part No.   | Qty. | Description                         |
|----------|------------|------|-------------------------------------|
| 75       | 69-8910    | 2    | Washer (Only On: 03804)             |
| 76       | 240-7      | 1    | Grommet-Rubber (Only On: 03804)     |
| 77       | 69-8900    | 1    | Spacer (Only On: 03804)             |
| 78       | 92-7552-03 | 1    | Bracket – Bulkhead (Only On: 03804) |
| 79       | 302-60     | 1    | Fitting-Lube (Only On: 03804)       |



Hydraulic Motor Assembly # 92-7386

| Ref. No. | Part No. | Qty. | Description                       |
|----------|----------|------|-----------------------------------|
| 1        | 76-6930  | 1    | Shaft-Drive (Only On: 03804)      |
| 2        | 94-3000  | 1    | Backplate ASM (Only On: 03804)    |
| 3        | 94-3001  | 1    | Housing ASM (Only On: 03804)      |
| 4        | 76-6910  | 1    | Rotating Kit ASM (Only On: 03804) |
| 5        | 76-6970  | 1    | Insert-Cam Plate (Only On: 03804) |
| 6        | 76-7010  | 1    | Ring-Retaining (Only On: 03804)   |
| 7        | 94-3002  | 6    | Capscrew (Only On: 03804)         |
| 8        | 76-7020  | 1    | Spacer (Only On: 03804)           |
| 9        | 76-7000  | 2    | Ring-Retaining (Only On: 03804)   |
| 10       | 76-6950  | 2    | Thrust Race (Only On: 03804)      |
| 11       | 76-6980  | 1    | O-Ring (Only On: 03804)           |
| 12       | 94-3003  | 1    | Plate - Valve (Only On: 03804)    |
| 13       | 76-6960  | 1    | Bearing-Thrust (Only On: 03804)   |

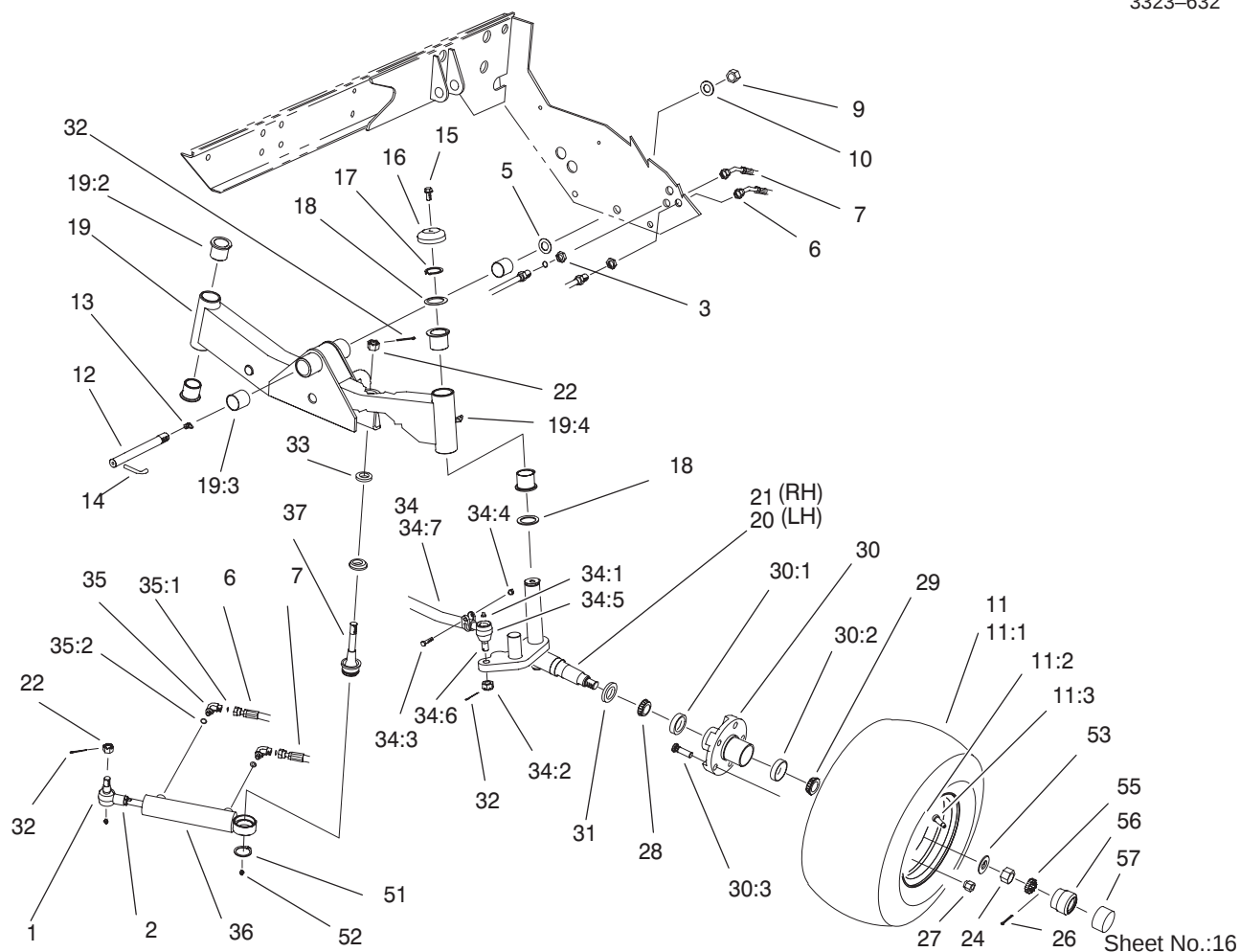
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



## 2WD – Rear Axle Assembly (Model # 03803)

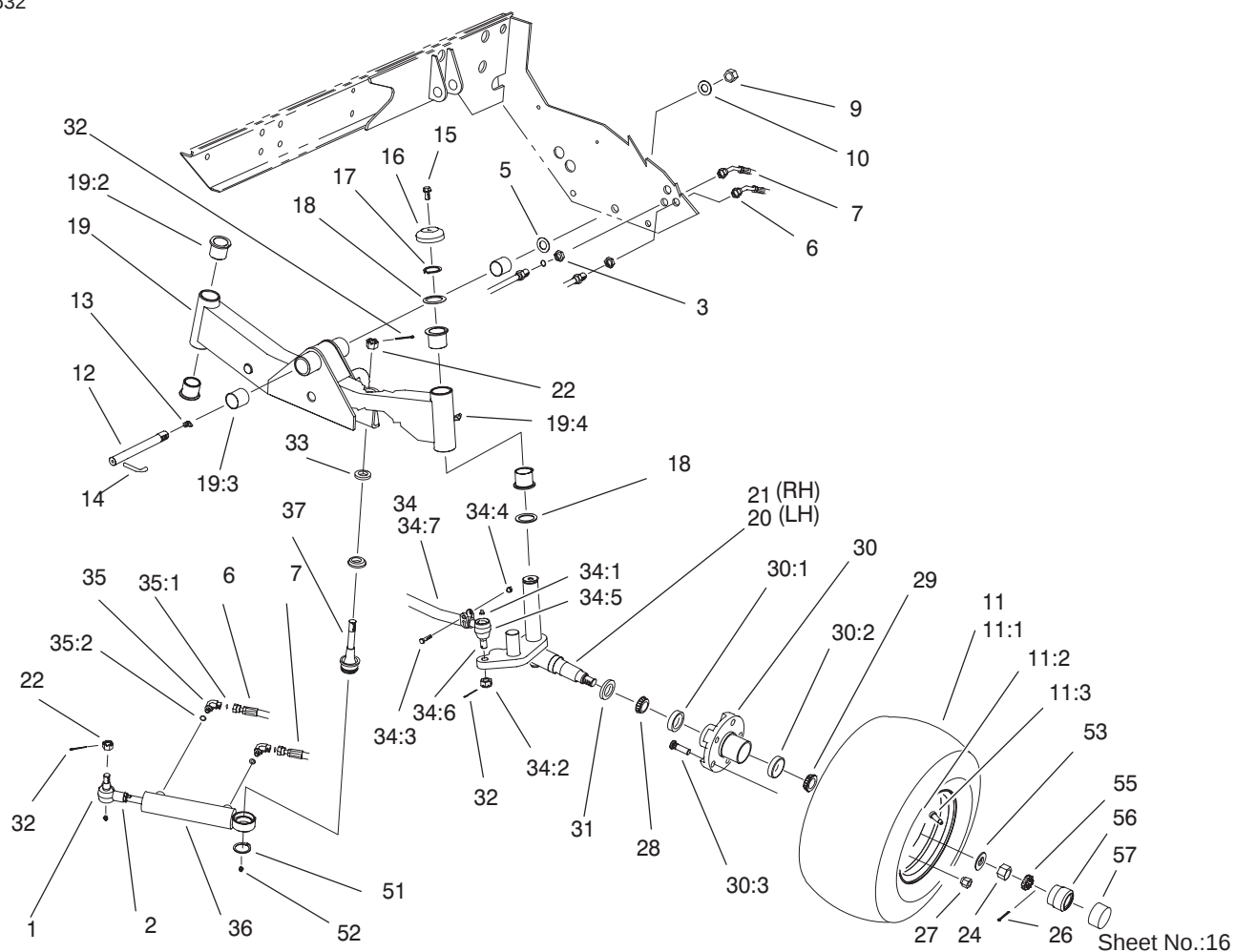
| Ref. No. | Part No. | Qty. | Description                       |
|----------|----------|------|-----------------------------------|
| 1        | 92-5837  | 1    | Rod End ASM (Only On: 03803)      |
| 2        | 3220-11  | 1    | Nut (Only On: 03803)              |
| 3        | 340-70   | 2    | Locknut-Bulkhead (Only On: 03803) |
| 5        | 98-3867  | 2    | Washer – Thrust (Only On: 03803)  |
| 6        | 92-7595  | 1    | Hose ASM (Only On: 03803)         |
| 7        | 92-7594  | 1    | Hose ASM (Only On: 03803)         |
| 9        | 3296-68  | 1    | Nut-Lock NI (Only On: 03803)      |
| 10       | 92-1765  | 1    | Washer – Thrust (Only On: 03803)  |
| 11       |          | 2    | Tire & Wheel ASM (Only On: 03803) |
| 11:1     | 86-5910  | 1    | Tire (Only On: 03803)             |
| 11:2     | 100-2582 | 1    | Rim (Only On: 03803)              |
| 11:3     | 232-27   | 1    | Stem-Valve (Only On: 03803)       |
| 12       | 100-3770 | 1    | Pin-Axle, Pivot (Only On: 03803)  |
| 13       | 302-33   | 1    | Fitting-Grease (Only On: 03803)   |

| Ref. No. | Part No.    | Qty. | Description                        |
|----------|-------------|------|------------------------------------|
| 14       | 100-3771    | 1    | Pin-Stop (Only On: 03803)          |
| 15       | 3234-12     | 2    | Screw-HHF (Only On: 03803)         |
| 16       | 69-8890     | 2    | Cap-Spindle (Only On: 03803)       |
| 17       | 32151-10    | 2    | Ring-Snap (Only On: 03803)         |
| 18       | 62-2170     | 4    | Washer-Thrust (Only On: 03803)     |
| 19       | 100-3785-03 | 1    | Rear Axle ASM (Only On: 03803)     |
| 19:2     | 69-6470     | 4    | Castor Bushing (Only On: 03803)    |
| 19:3     | 99-6964     | 2    | Bushing-Axle (Only On: 03803)      |
| 19:4     | 302-11      | 2    | Fitting-Lube, 45° (Only On: 03803) |
| 20       | 92-9725-03  | 1    | Spindle-LH (Only On: 03803)        |
| 21       | 92-9724     | 1    | Spindle-RH (Only On: 03803)        |
| 22       | 32136-14    | 2    | Nut-Hex Slotted (Only On: 03803)   |



## 2WD – Rear Axle Assembly (Model # 03803–Continued)

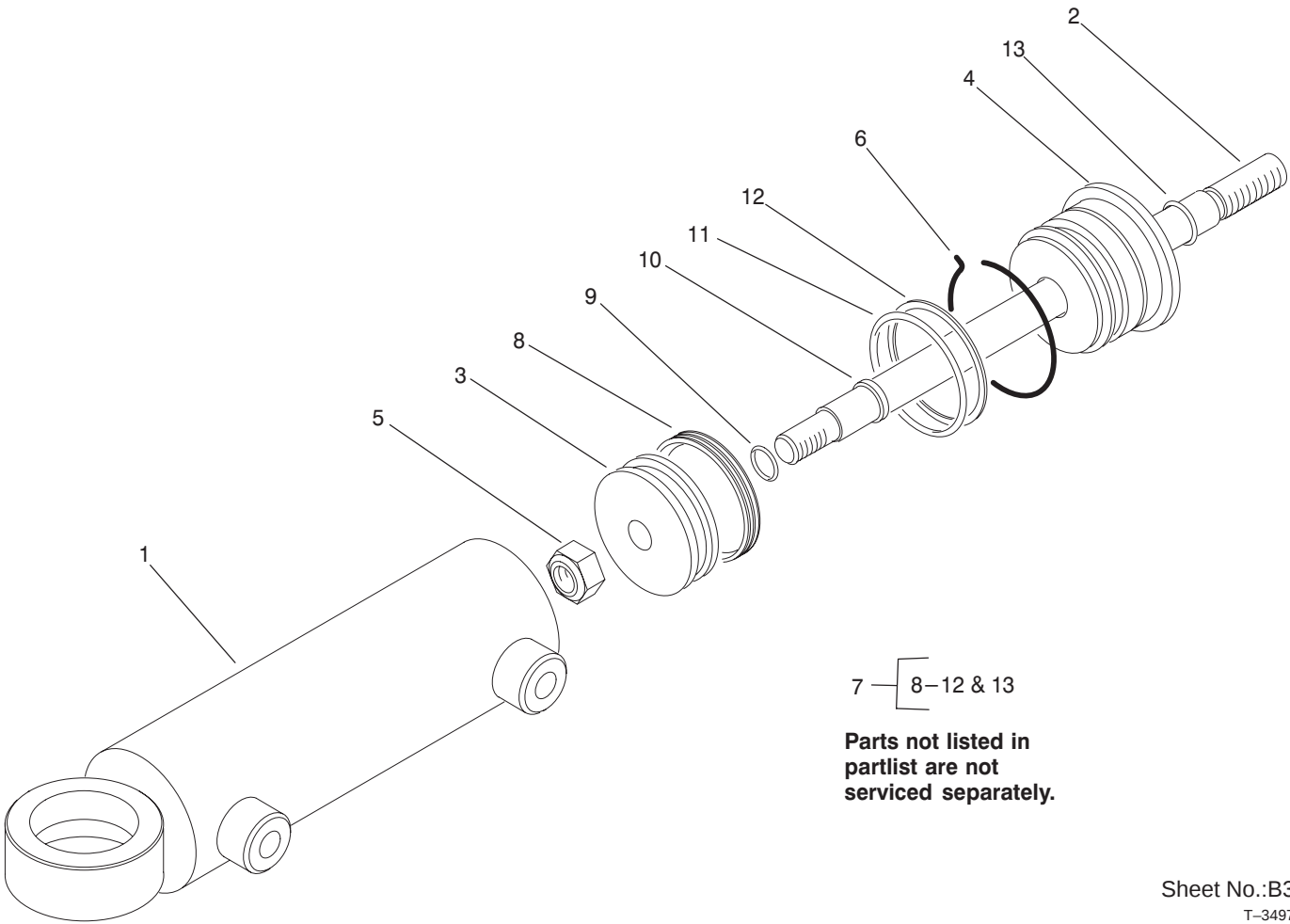
| Ref. No. | Part No. | Qty. | Description                          | Ref. No. | Part No. | Qty. | Description                       |
|----------|----------|------|--------------------------------------|----------|----------|------|-----------------------------------|
| 24       | 3220-7   | 2    | Nut-Jam (Only On: 03803)             | 34:2     | 32136-13 | 2    | Nut-Hex, Slotted (Only On: 03803) |
| 26       | 3272-13  | 2    | Pin-Cotter (Only On: 03803)          | 34:3     | 323-9    | 2    | Screw-HH (Only On: 03803)         |
| 27       | 242-50   | 10   | Nut-Lug (Only On: 03803)             | 34:4     | 3296-39  | 2    | Nut-Lock, NI (Only On: 03803)     |
| 28       | 254-106  | 2    | Bearing-Taper/Cone (Only On: 03803)  | 34:5     | 71-4740  | 2    | End-Tie Rod, RH (Only On: 03803)  |
| 29       | 254-92   | 2    | Cone-Outer Bearing (Only On: 03803)  | 34:6     | 71-4760  | 2    | Seal (Only On: 03803)             |
| 30       | 92-9651  | 2    | Hub Sub ASM (Only On: 03803)         | 34:7     | 98-8840  | 1    | Tube & Clamp ASM (Only On: 03803) |
| 30:1     | 254-107  | 1    | Bearing-Taper/Cup (Only On: 03803)   | 35       | 340-97   | 2    | Fitting-90° (Only On: 03803)      |
| 30:2     | 254-72   | 1    | Bearing-Taper/Cup (Only On: 03803)   | 35:1     | 237-22   | 1    | O-Ring (Only On: 03803)           |
| 30:3     | 92-9652  | 5    | Stud - Bolt (Only On: 03803)         | 35:2     | 237-78   | 1    | O-Ring (Only On: 03803)           |
| 31       | 69-2980  | 2    | Seal (Only On: 03803)                | 36       | 94-8142  | 1    | Hyd Cylinder ASM (Only On: 03803) |
| 32       | 3272-12  | 4    | Pin-Cotter (Only On: 03803)          | 37       | 92-5839  | 1    | Ball Joint (Only On: 03803)       |
| 33       | 92-5833  | 1    | Spacer - Ball Joint (Only On: 03803) | 51       | 94-9973  | 1    | Ring - Retaining (Only On: 03803) |
| 34       | 98-8839  | 1    | Tie Rod ASM (Only On: 03803)         | 52       | 302-5    | 1    | Fitting-Lube (Only On: 03803)     |
| 34:1     | 302-55   | 2    | Zerk (Only On: 03803)                |          |          |      |                                   |



## 2WD – Rear Axle Assembly (Model # 03803–Continued)

| Ref. No. | Part No. | Qty. | Description                            |
|----------|----------|------|----------------------------------------|
| 53       | 93-0309  | 2    | Washer – Tab (Only On: 03803)          |
| 55       | 93-0307  | 2    | Nut Retainer–Lock (Only On: 03803)     |
| 56       | 100-3769 | 2    | Buddy–Bearing (Only On: 03803)         |
| 57       | 100-3809 | 2    | Cap–Bearing Protector (Only On: 03803) |

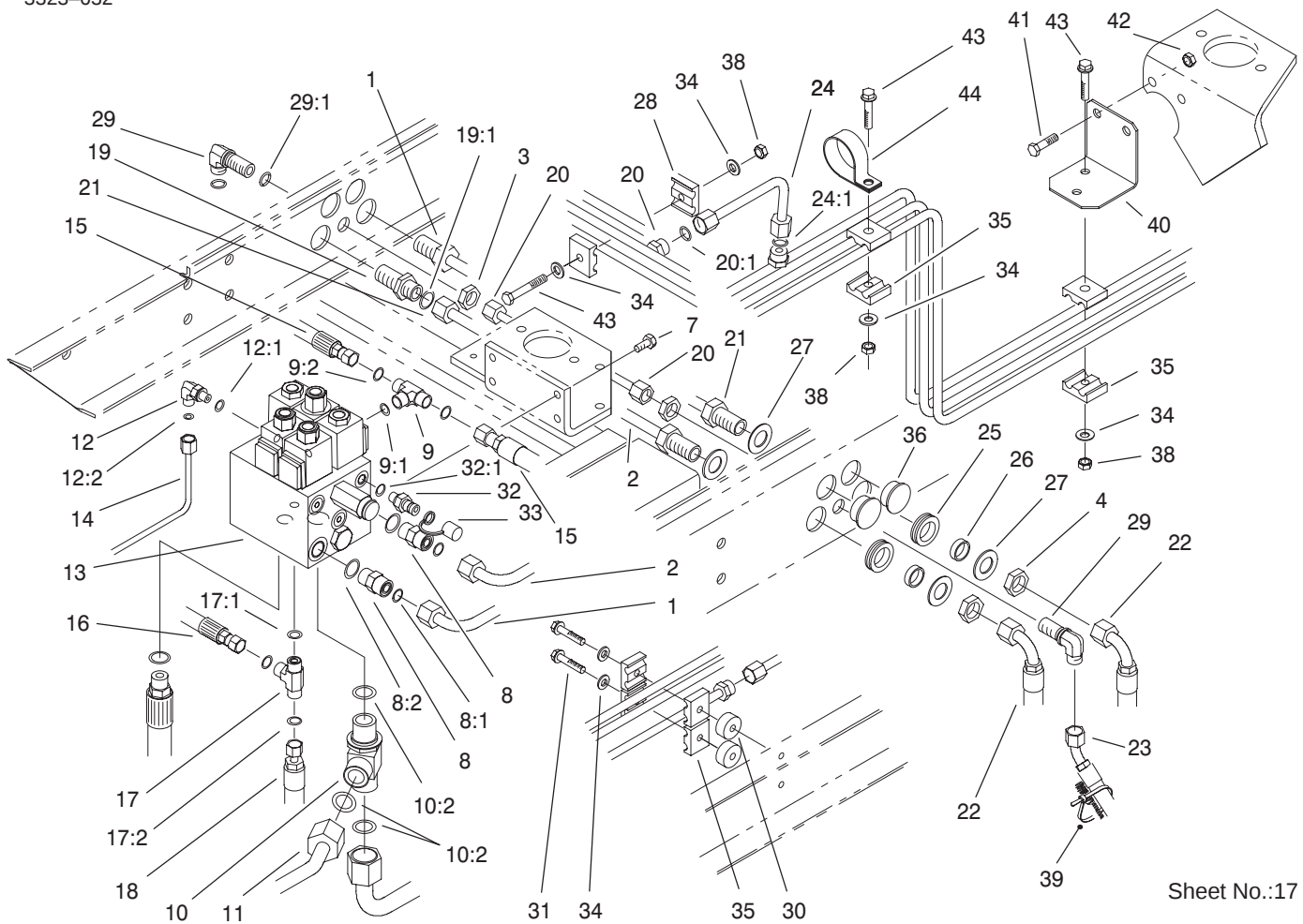
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Hydraulic Cylinder Assembly # 94-8142

| Ref. No. | Part No. | Qty. | Description                          |
|----------|----------|------|--------------------------------------|
| 1        | 94-9959  | 1    | Barrel ASM (Only On: 03803)          |
| 2        | 94-9960  | 1    | Piston Rod ASM (Only On: 03803)      |
| 3        | 94-9961  | 1    | Piston (Only On: 03803)              |
| 4        | 94-9962  | 1    | Gland - Cylinder (Only On: 03803)    |
| 5        | 32152-10 | 1    | Locknut-Deform, Top (Only On: 03803) |
| 6        | 94-9963  | 1    | Ring-Retaining (Only On: 03803)      |
| 7        | 94-9964  | 1    | Kit - Seal Repair (Only On: 03803)   |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

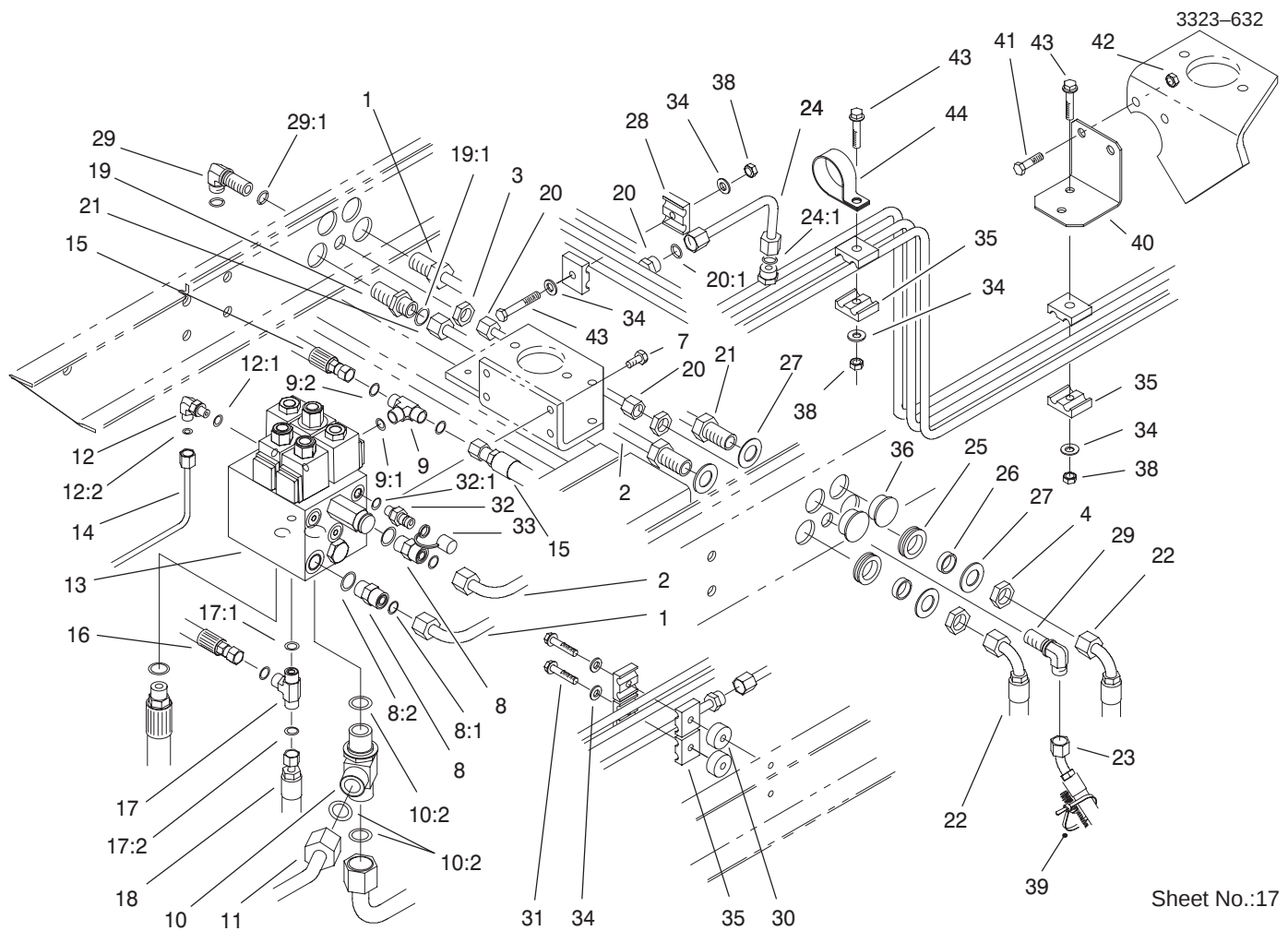


Sheet No.:17

## Rear Hydraulic Control Block and Tube Assembly

| Ref. No. | Part No.  | Qty. | Description               |
|----------|-----------|------|---------------------------|
| 1        | 92-7584   | 1    | Tube ASM                  |
| 2        | 92-7585   | 1    | Tube ASM                  |
| 3        | 340-70    | 2    | Locknut-Bulkhead          |
| 4        | 340-127   | 4    | Nut-Bulkhead              |
| 7        | 33104-025 | 4    | Screw-HHF                 |
| 8        | 340-4     | 2    | Adapter                   |
| 8:1      | 237-30    | 1    | O-Ring                    |
| 8:2      | 237-79    | 1    | O-Ring                    |
| 9        | 340-125   | 1    | Adapter                   |
| 9:1      | 237-21    | 2    | O-Ring                    |
| 9:2      | 237-78    | 1    | O-Ring                    |
| 10       | 340-148   | 1    | Fitting                   |
| 10:1     | 237-81    | 1    | O-Ring                    |
| 10:2     | 237-58    | 2    | O-Ring                    |
| 11       | 92-7557   | 1    | Front Cooler Tube ASM     |
| 12       | 340-132   | 1    | Elbow-90°                 |
| 12:1     | 237-78    | 1    | O-Ring                    |
| 12:2     | 237-21    | 1    | O-Ring                    |
| 13       | 100-3797  | 1    | Rear Manifold Block ASM   |
| 14       | 92-7591   | 1    | Tube ASM                  |
| 15       | 92-7638   | 2    | Hose ASM                  |
| 16       | 100-3798  | 1    | Hose ASM (Only On: 03803) |
| 17       | 340-140   | 1    | Adapter Tee               |

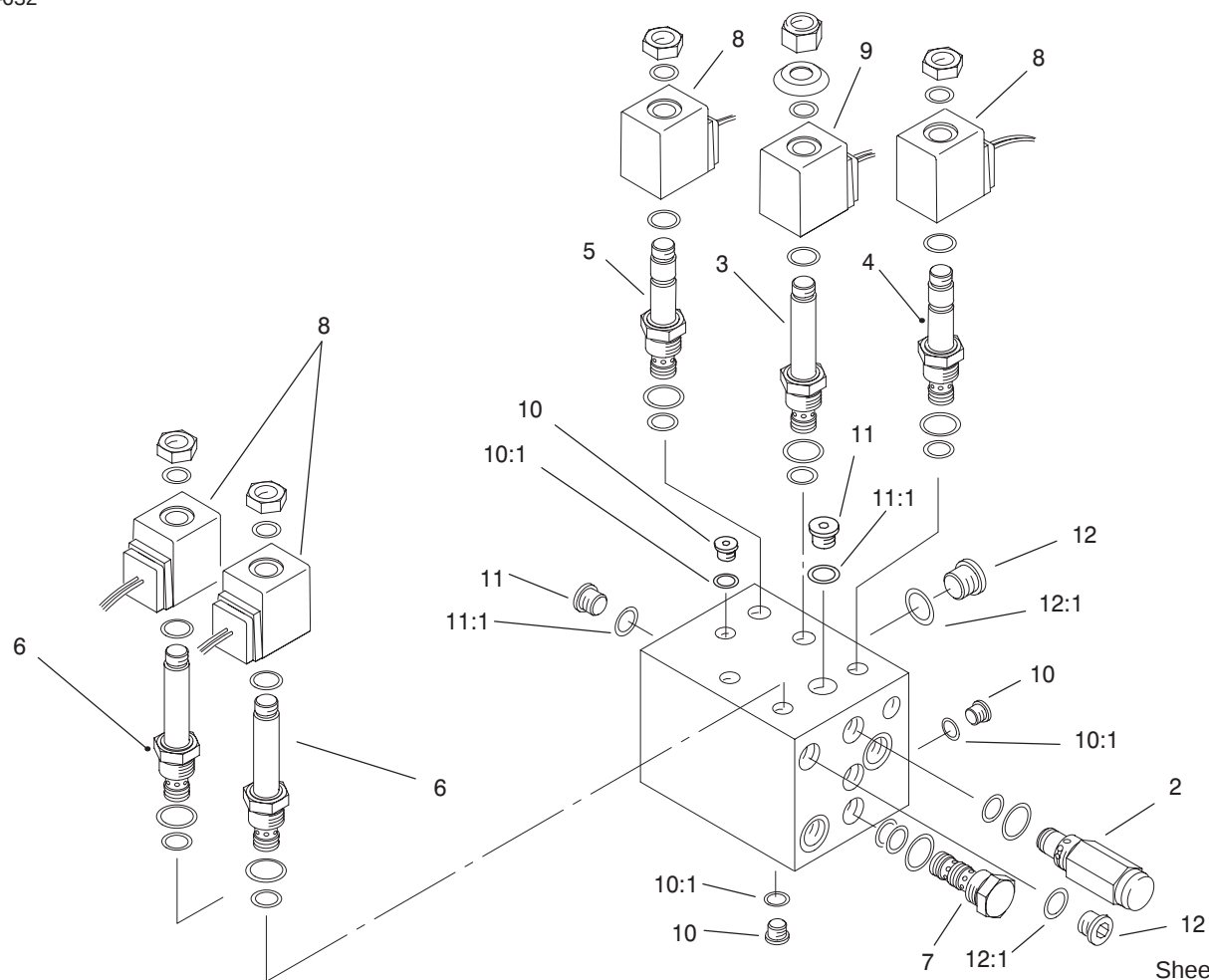
| Ref. No. | Part No. | Qty. | Description                     |
|----------|----------|------|---------------------------------|
| 17:1     | 237-21   | 2    | O-Ring                          |
| 17:2     | 237-78   | 1    | O-Ring                          |
| 18       | 100-3833 | 1    | Hose ASM                        |
| 19       | 340-161  | 1    | Fitting-Bulkhead                |
| 19:1     | 237-30   | 2    | O-Ring                          |
| 20       | 92-7647  | 1    | Drain Tube ASM                  |
| 20:1     | 237-22   | 1    | O-Ring                          |
| 21       | 92-7648  | 1    | Tube ASM                        |
| 22       | 99-5613  | 4    | Hyd Hose ASM                    |
| 23       | 99-5614  | 2    | Hyd Hose ASM                    |
| 24       | 93-4205  | 1    | Drain Tube ASM (Only On: 03803) |
| 24       | 93-4206  | 1    | Drain Tube ASM (Only On: 03804) |
| 25       | 240-5    | 4    | Grommet                         |
| 26       | 69-8960  | 4    | Spacer                          |
| 27       | 69-8930  | 8    | Washer                          |
| 28       | 56-7972  | 4    | Tube Clamp                      |
| 29       | 340-154  | 2    | Bulkhead Union                  |
| 29:1     | 237-22   | 2    | O-Ring                          |
| 30       | 80-8660  | 2    | Spacer - Coupler                |
| 31       | 32104-37 | 2    | Screw-HWH                       |
| 32       | 354-77   | 1    | Fitting-Quick                   |
| 32:1     | 237-78   | 1    | O-Ring                          |
| 33       | 354-79   | 1    | Cap - Fitting, Yellow           |



## Rear Hydraulic Control Block and Tube Assembly (Cont.)

| Ref. No. | Part No.   | Qty. | Description                   |
|----------|------------|------|-------------------------------|
| 34       | 3256-23    | 8    | Washer-Flat (Only On: 03803)  |
| 34       | 3256-23    | 9    | Washer-Flat (Only On: 03804)  |
| 35       | 56-7973    | 10   | Clamp-Tube (Only On: 03804)   |
| 35       | 56-7973    | 8    | Clamp-Tube (Only On: 03803)   |
| 36       | 94-1402    | 4    | Plug - Hole                   |
| 38       | 3296-47    | 5    | Nut-Lock, NI (Only On: 03804) |
| 38       | 3296-47    | 4    | Nut-Lock, NI (Only On: 03803) |
| 39       | 3290-378   | 6    | Tie-Cable                     |
| 40       | 94-2834-03 | 1    | Bracket - Clamp               |
| 41       | 323-6      | 2    | Screw-HH                      |
| 42       | 32128-21   | 2    | Nut-HF                        |
| 43       | 322-7      | 4    | Screw-HH                      |
| 44       | 2412-147   | 1    | Clamp                         |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



T-3498

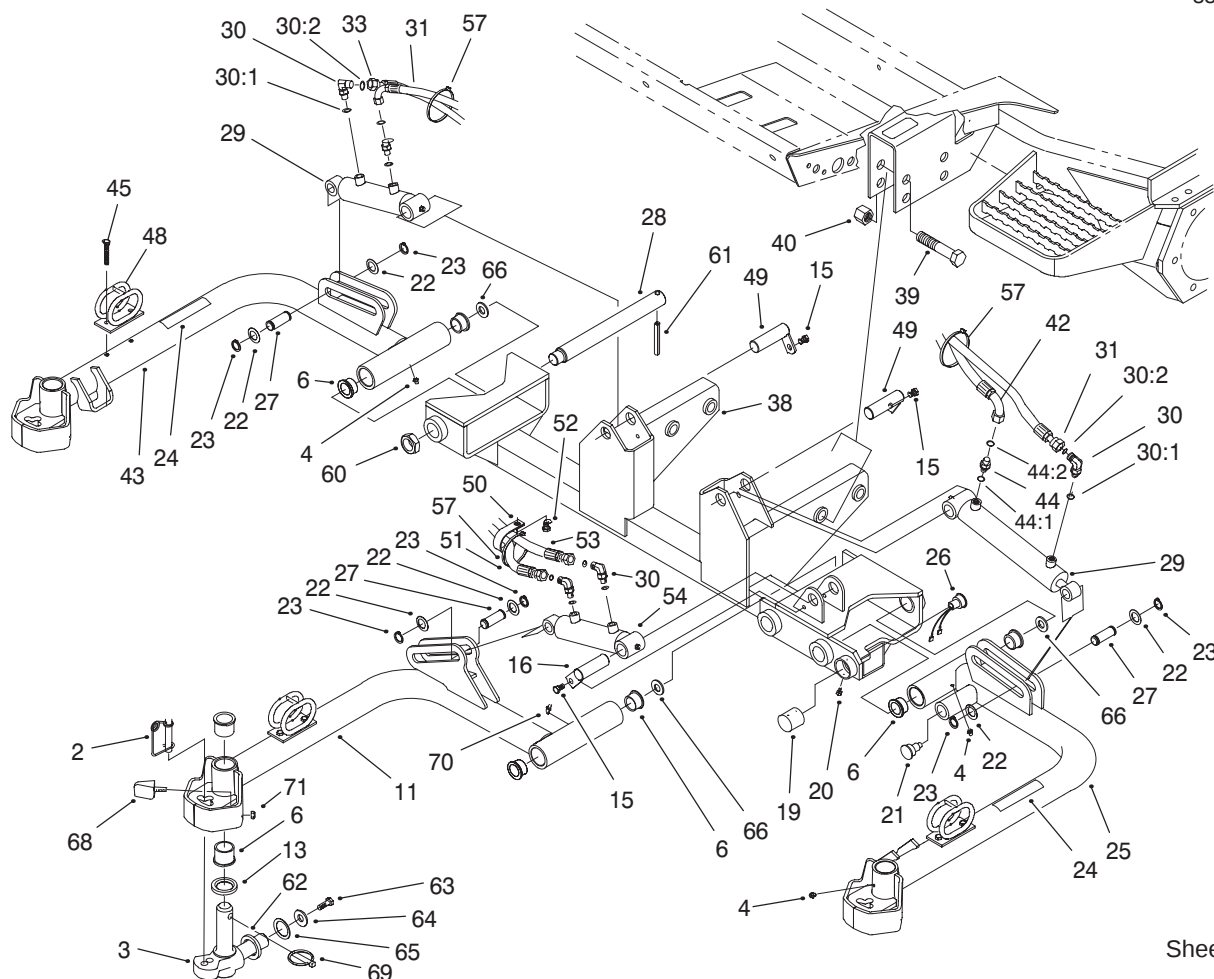
Sheet No.:B4

## Rear Manifold Block Assembly # 100-3797

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 2        | 75-0920  | 1    | Cartridge-Relief            |
| *2:1     | 95-5645  | 1    | Seal Kit                    |
| 3        | 95-3459  | 1    | Cartridge-N.o. Flow Control |
| *3:1     | 75-2080  | 1    | Seal Kit                    |
| 4        | 88-6980  | 1    | Cartridge-N.c.              |
| *4:1     | 75-2080  | 1    | Seal Kit                    |
| 5        | 94-2685  | 1    | Cartridge - N.c. Spool      |
| *5:1     | 95-5645  | 1    | Seal Kit                    |
| 6        | 93-7494  | 2    | Cartridge - N.o.            |
| *6:1     | 75-2080  | 1    | Seal Kit                    |
| 7        | 93-7491  | 1    | Cartridge - Pilot Check     |
| *7:1     | 69-4260  | 1    | Seal Kit                    |
| 8        | 88-9190  | 4    | Solenoid Coil Kit           |
| 9        | 88-9200  | 1    | Solenoid Coil Kit           |
| 10       | 353-991  | 4    | Plug-Hollow Hex             |
| 10:1     | 237-156  | 1    | O-Ring                      |
| 11       | 353-990  | 4    | Plug                        |
| 11:1     | 237-78   | 1    | O-Ring                      |
| 12       | 353-989  | 5    | Plug-Hollow Hex             |
| 12:1     | 237-42   | 1    | O-Ring                      |
| *16      | 75-2080  | 5    | Seal Kit                    |
| *17      | 69-4260  | 1    | Seal Kit                    |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

\* Not illustrated



Sheet No.:18

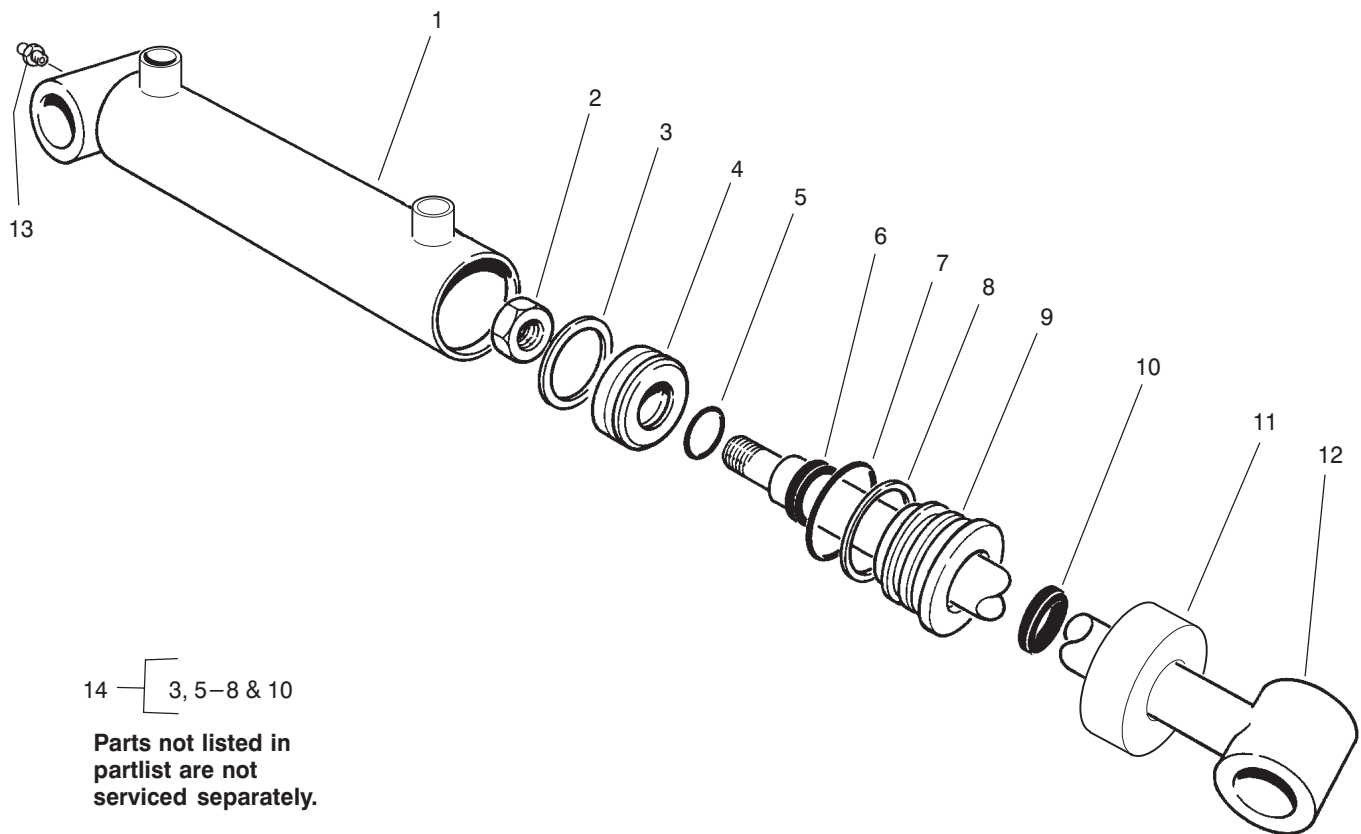
## Front Lift Arm Assembly

| Ref. No. | Part No.   | Qty. | Description              |
|----------|------------|------|--------------------------|
| *1       | 3334-945   | 2    | Tie-Cable                |
| 2        | 99-5610    | 3    | Pin                      |
| 3        | 98-1880-01 | 3    | Knuckle – Pivot          |
| 4        | 302-5      | 5    | Fitting-Lube             |
| 6        | 94-8947    | 12   | Bushing – Flange         |
| 11       | 99-2561    | 1    | Arm-Lift #1              |
| 13       | 94-8946    | 3    | Washer                   |
| 15       | 32144-14   | 3    | Screw-HWH                |
| 16       | 83-6790    | 1    | Pin-Cylinder             |
| 19       | 75-6370    | 1    | Cap – Sensor             |
| 20       | 32104-76   | 2    | Screw-Slot, Acorn        |
| 21       | 92-8754    | 1    | Plug-Reed Switch, Magnet |
| 22       | 94-9998    | 6    | Washer – Thrust          |
| 23       | 94-9974    | 6    | Ring-Retaining           |
| 24       | 93-6687    | 2    | Decal-Step, No           |
| 25       | 99-2564    | 1    | Arm-Lift, #4             |
| 26       | 92-8002    | 1    | Plug-Reed Switch, Magnet |
| 27       | 75-5350    | 3    | Pin-Slide, Cylinder      |
| 28       | 95-7158    | 3    | Pin – Pivot              |
| 29       | 99-6986    | 2    | Cylinder-Hydraulic       |
| 30       | 340-132    | 4    | Elbow-90°                |
| 30:1     | 237-78     | 1    | O-Ring                   |
| 30:2     | 237-21     | 1    | O-Ring                   |
| 31       | 99-5642    | 2    | Hose-Hydraulic           |

| Ref. No. | Part No.   | Qty. | Description       |
|----------|------------|------|-------------------|
| 33       | 100-3799   | 1    | Hose ASM          |
| 38       | 99-5615    | 1    | Frame             |
| 39       | 328-7      | 4    | Screw-HH          |
| 40       | 3296-51    | 4    | Nut-Lock NI       |
| 42       | 100-3811   | 1    | Hyd Hose ASM      |
| 43       | 99-2565    | 1    | Arm-Lift, #5      |
| 44       | 340-92     | 2    | Fitting           |
| 44:1     | 237-78     | 1    | O-Ring            |
| 44:2     | 237-21     | 1    | O-Ring            |
| 45       | 33114-020  | 6    | Screw-HH          |
| 48       | 99-5621    | 3    | Guide-Hose        |
| 49       | 83-6780-01 | 2    | Pin-Cylinder      |
| 50       | 2412-96    | 1    | Clamp-R           |
| 51       | 92-7565    | 1    | Hose ASM          |
| 52       | 322-4      | 1    | Screw-HH          |
| 53       | 92-7562    | 1    | Hose ASM          |
| 54       | 93-2650    | 1    | Cylinder – Lift   |
| 57       | 3290-378   | 3    | Tie-Cable         |
| 60       | 3296-49    | 3    | Nut-Lock NI       |
| 61       | 32121-110  | 3    | Pin-Roll, Slotted |
| 62       | 98-7974    | 3    | Washer – Thrust   |
| 63       | 98-7993    | 3    | Screw-HHF         |
| 64       | 3256-6     | 3    | Washer-Flat       |
| 65       | 3-6781     | 3    | Washer-Thrust     |
| 66       | 76-2980    | 3    | Washer-Thrust     |

\* Not illustrated



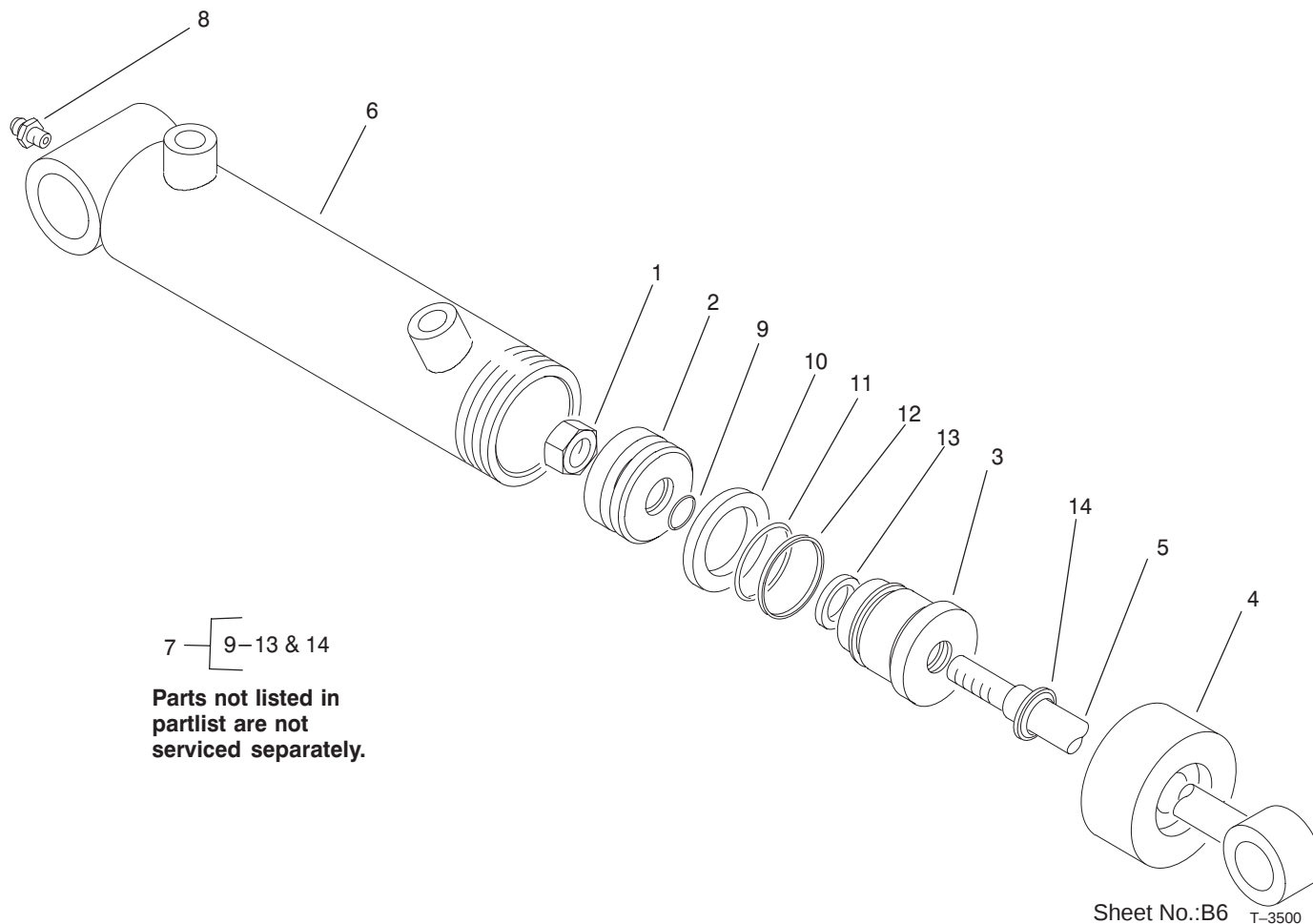


Sheet No.:B5  
T-3499

## Hydraulic Cylinder Assembly # 99-6986

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 2        | 32152-10 | 1    | Locknut-Deform, Top |
| 14       | 100-8023 | 1    | Kit-Repair, Seal    |

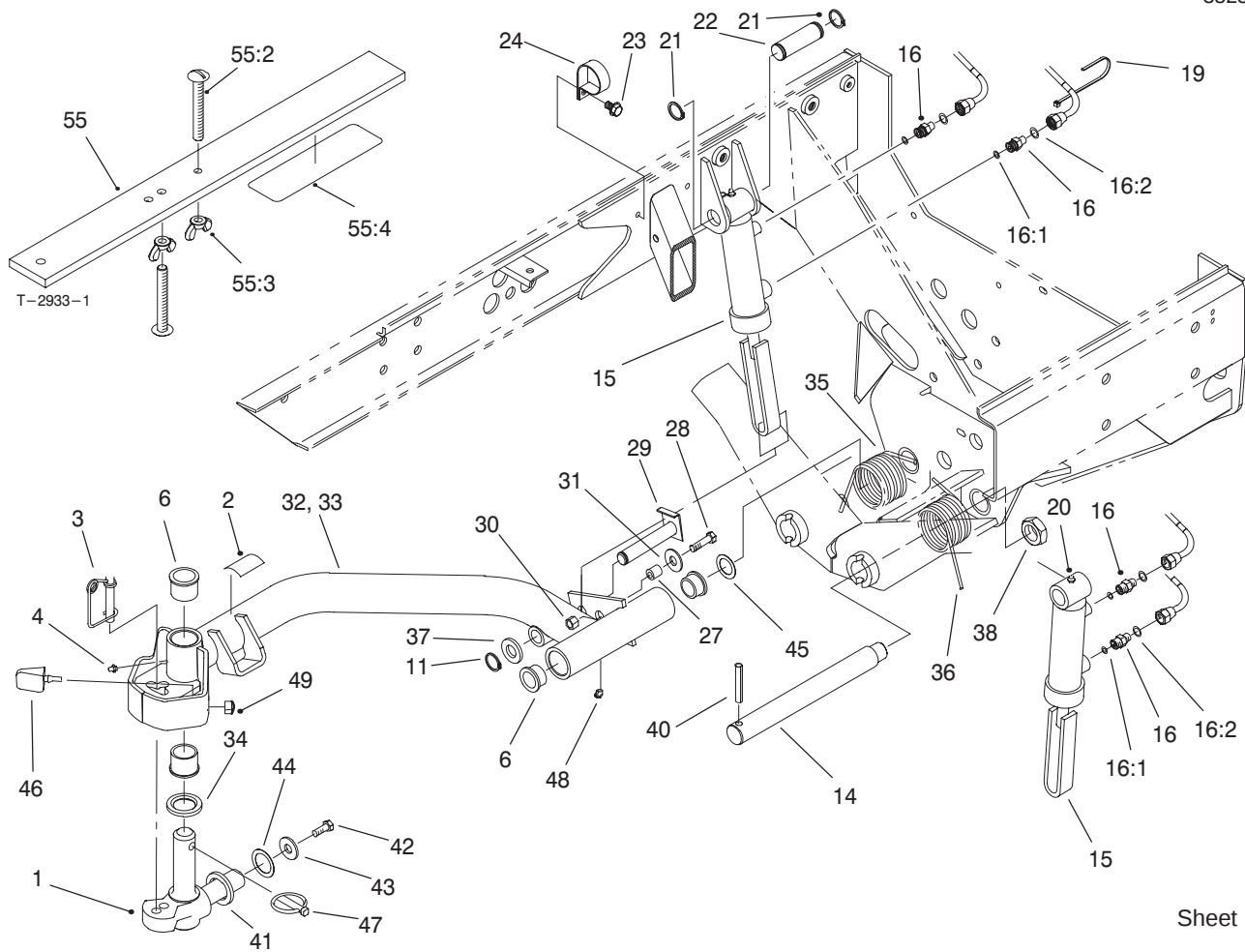
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



# Hydraulic Cylinder Assembly # 93-2650

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 32152-10 | 1    | Locknut-Deform, Top |
| 2        | 70-2780  | 1    | Piston              |
| 3        | 93-7990  | 1    | Head                |
| 4        | 93-7991  | 1    | Collar              |
| 5        | 94-2644  | 1    | Shaft With Tube     |
| 7        | 86-7330  | 1    | Kit-Seal            |
| 8        | 302-5    | 1    | Fitting-Lube        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

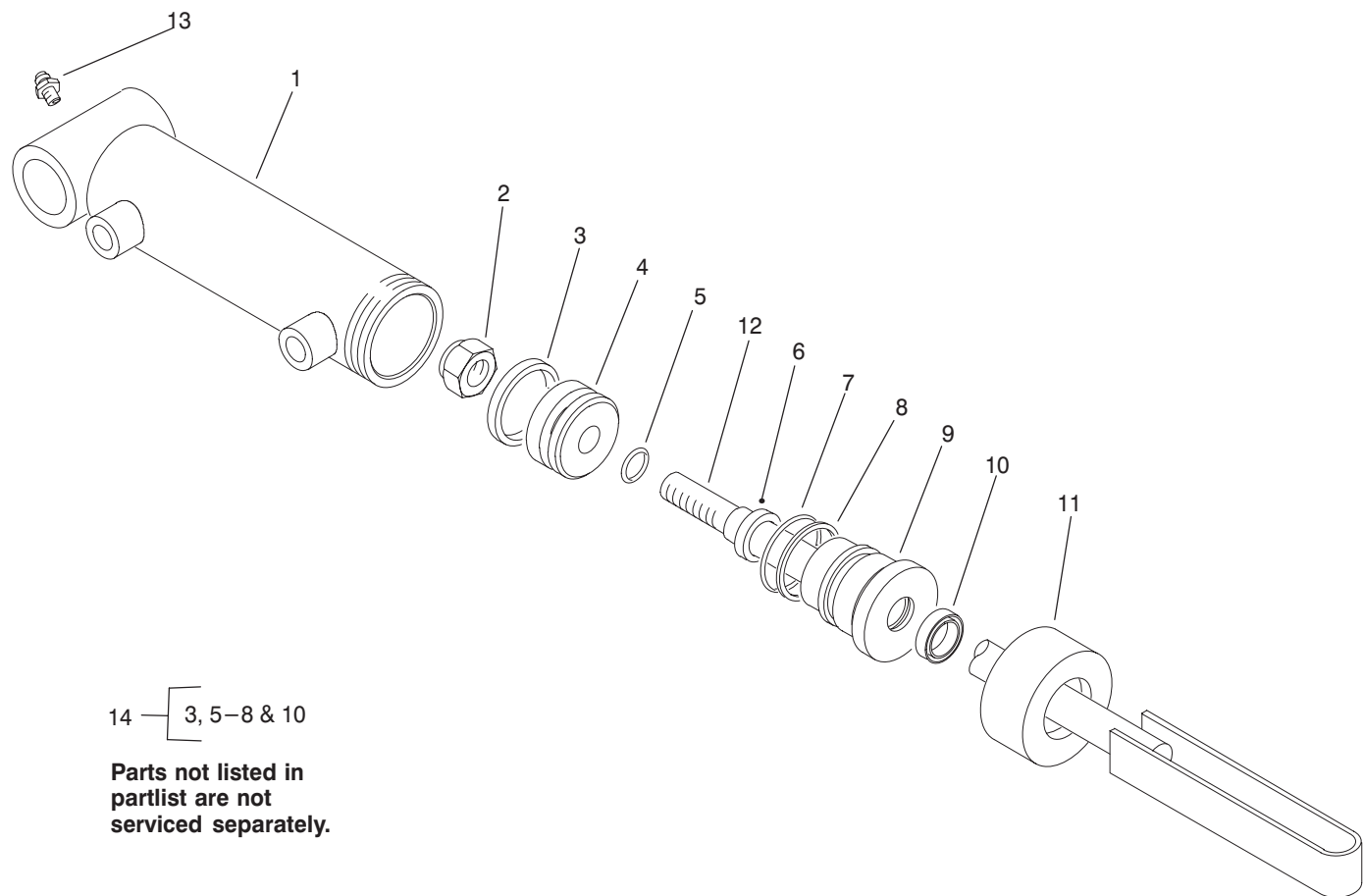


Sheet No.:20

## Rear Lift Arm Assembly

| Ref. No. | Part No.   | Qty. | Description          |
|----------|------------|------|----------------------|
| 1        | 98-1880-01 | 2    | Knuckle – Pivot      |
| 2        | 93-6696    | 2    | Decal-Loaded, Spring |
| 3        | 99-5610    | 2    | Pin                  |
| 4        | 302-5      | 2    | Fitting-Lube         |
| 6        | 94-8947    | 8    | Bushing – Flange     |
| 11       | 94-9974    | 2    | Ring-Retaining       |
| 14       | 95-7158    | 2    | Pin – Pivot          |
| 15       | 99-2550    | 2    | Cylinder-Hyd         |
| 16       | 340-92     | 4    | Fitting              |
| 16:1     | 237-78     | 1    | O-Ring               |
| 16:2     | 237-21     | 1    | O-Ring               |
| 19       | 3290-378   | 2    | Tie-Cable            |
| 20       | 302-61     | 2    | Zerk                 |
| 21       | 32151-36   | 4    | Ring-Retaining       |
| 22       | 92-7548    | 2    | Pin-Cylinder         |
| 23       | 32144-11   | 1    | Screw-TAP            |
| 24       | 2412-96    | 1    | Clamp-R              |
| 27       | 82-6840    | 2    | Spacer               |
| 28       | 322-7      | 2    | Screw-HH             |
| 29       | 99-2560    | 2    | Pin                  |
| 30       | 3296-29    | 2    | Nut-Lock, NI         |
| 31       | 3256-3     | 2    | Washer-Flat          |
| 32       | 99-2563    | 1    | Arm-Lift #3,         |
| 33       | 99-2562    | 1    | Arm-Lift, #2         |
| 34       | 94-8946    | 2    | Washer               |
| 35       | 99-5608    | 1    | Spring-Torsion, RH   |

| Ref. No. | Part No.  | Qty. | Description        |
|----------|-----------|------|--------------------|
| 36       | 99-5609   | 1    | Spring-Torsion, LH |
| 37       | 67-6570   | 2    | Spacer-Wheel       |
| 38       | 3296-49   | 2    | Nut-Lock NI        |
| 40       | 32121-110 | 2    | Pin-Roll, Slotted  |
| 41       | 98-7974   | 2    | Washer – Thrust    |
| 42       | 98-7993   | 2    | Screw-HHF          |
| 43       | 3256-6    | 2    | Washer-Flat        |
| 44       | 3-6781    | 2    | Washer-Thrust      |
| 45       | 76-2980   | 2    | Washer-Thrust      |
| 46       | 99-5605   | 4    | Bumper ASM         |
| 47       | 283-71    | 2    | Pin-Lynch          |
| 48       | 302-11    | 2    | Fitting-Lube, 45°  |
| 49       | 3296-29   | 4    | Nut-Lock, NI       |
| 55       | 98-1852   | 1    | Guage Bar ASM      |
| 55:2     | 32122-54  | 2    | Screw-Head, Truss  |
| 55:3     | 32103-3   | 2    | Nut-Wing           |
| 55:4     | 98-7976   | 1    | Decal-Bar, Guage   |



14 — 3, 5-8 & 10

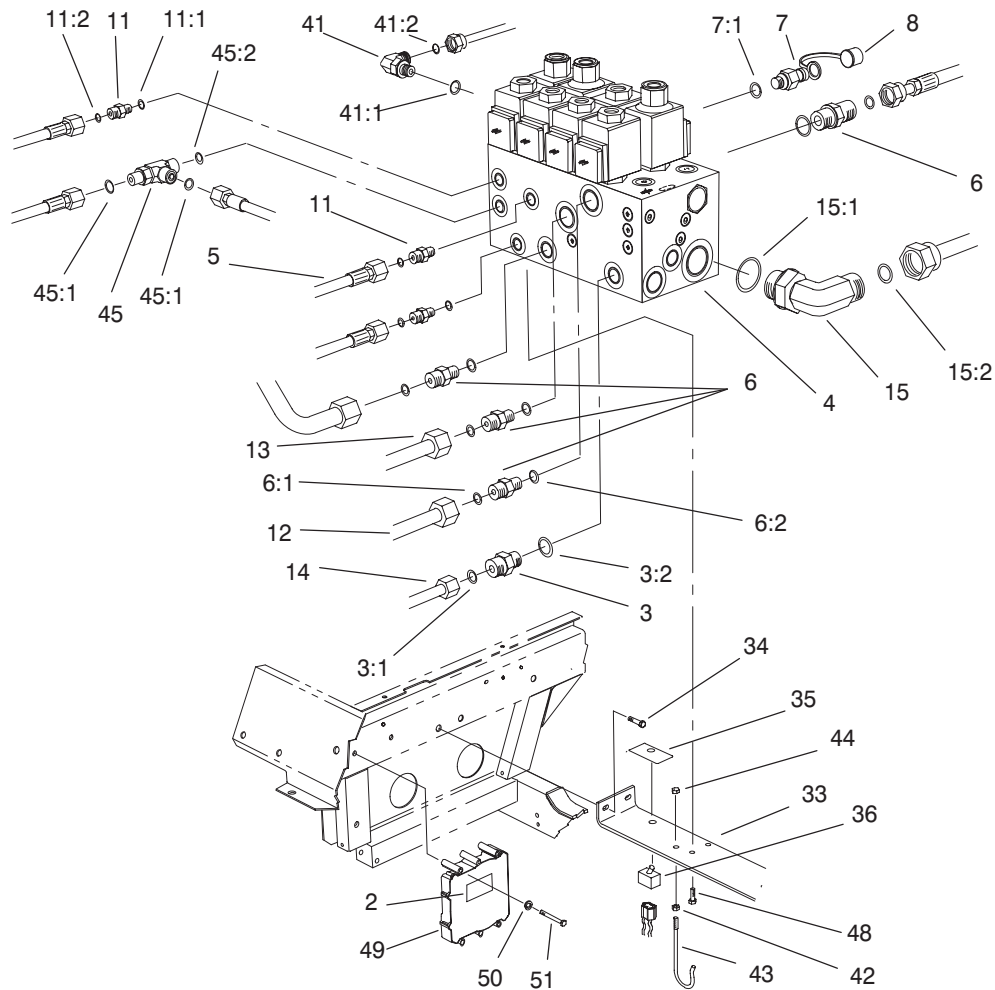
Parts not listed in  
partlist are not  
serviced separately.

T-3501  
Sheet No.:B7

# Hydraulic Cylinder Assembly # 99-2550

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 2        | 32152-10 | 1    | Locknut-Deform, Top |
| 13       | 302-5    | 1    | Fitting-Lube        |
| 14       | 100-8023 | 1    | Kit-Repair, Seal    |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

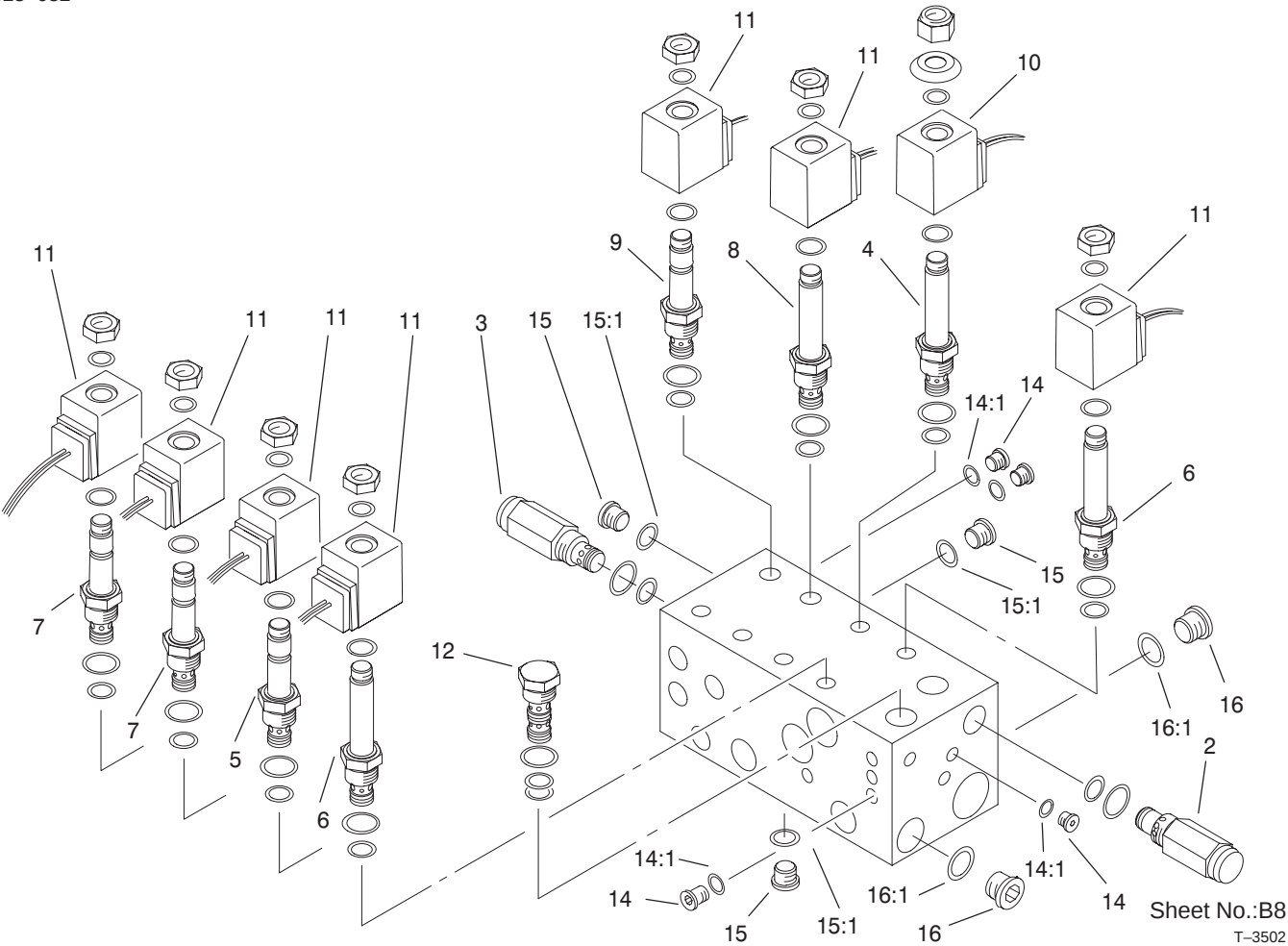


Sheet No.:21

## Front Hydraulic Control Block and Hose Assembly

| Ref. No. | Part No.   | Qty. | Description           | Ref. No. | Part No.  | Qty. | Description           |
|----------|------------|------|-----------------------|----------|-----------|------|-----------------------|
| 2        | 93-8053    | 1    | Decal                 | 34       | 3234-17   | 4    | Screw-HHF             |
| 3        | 340-2      | 1    | Adapter               | 35       | 93-1264   | 1    | Decal - Backlap       |
| 3:1      | 237-22     | 1    | O-Ring                | 36       | 93-7487   | 1    | Switch - Toggle       |
| 3:2      | 237-42     | 1    | O-Ring                | 41       | 340-132   | 1    | Elbow-90°             |
| 4        | 100-3800   | 1    | Front Manifold Block  | 41:1     | 237-78    | 1    | O-Ring                |
| 5        | 100-3783   | 1    | Hose ASM              | 41:2     | 237-21    | 1    | O-Ring                |
| 6        | 340-4      | 4    | Adapter               | 42       | 3217-6    | 1    | Nut-Hex               |
| 6:1      | 237-30     | 1    | O-Ring                | 43       | 93-7970   | 1    | Wireform - Hose       |
| 6:2      | 237-79     | 1    | O-Ring                | 44       | 3296-29   | 1    | Nut-Lock, NI          |
| 7        | 354-77     | 1    | Fitting-Quick         | 45       | 340-140   | 1    | Adapter Tee           |
| 7:1      | 237-78     | 1    | O-Ring                | 45:1     | 237-21    | 2    | O-Ring                |
| 8        | 354-79     | 1    | Cap - Fitting, Yellow | 45:2     | 237-78    | 1    | O-Ring                |
| 11       | 340-92     | 3    | Fitting               | 48       | 33104-016 | 4    | Screw-HHF             |
| 11:1     | 237-78     | 1    | O-Ring                | 49       | 92-5720   | 1    | Controller-Electronic |
| 11:2     | 237-21     | 1    | O-Ring                | 50       | 3253-3    | 3    | Washer-Lock/Sp        |
| 12       | 93-4216    | 1    | Tube ASM              | 51       | 321-15    | 3    | Screw-HH              |
| *12:1    | 237-30     | 1    | O-Ring                |          |           |      |                       |
| 13       | 93-4217    | 1    | Tube ASM              |          |           |      |                       |
| 14       | 93-4222    | 1    | Drain Return Tube     |          |           |      |                       |
| 15       | 340-139    | 1    | Fitting-90°           |          |           |      |                       |
| 15:1     | 237-81     | 1    | O-Ring                |          |           |      |                       |
| 15:2     | 237-65     | 1    | O-Ring                |          |           |      |                       |
| 33       | 92-7519-01 | 1    | Bracket-Manifold      |          |           |      |                       |
|          |            |      | Block                 |          |           |      |                       |

\* Not illustrated



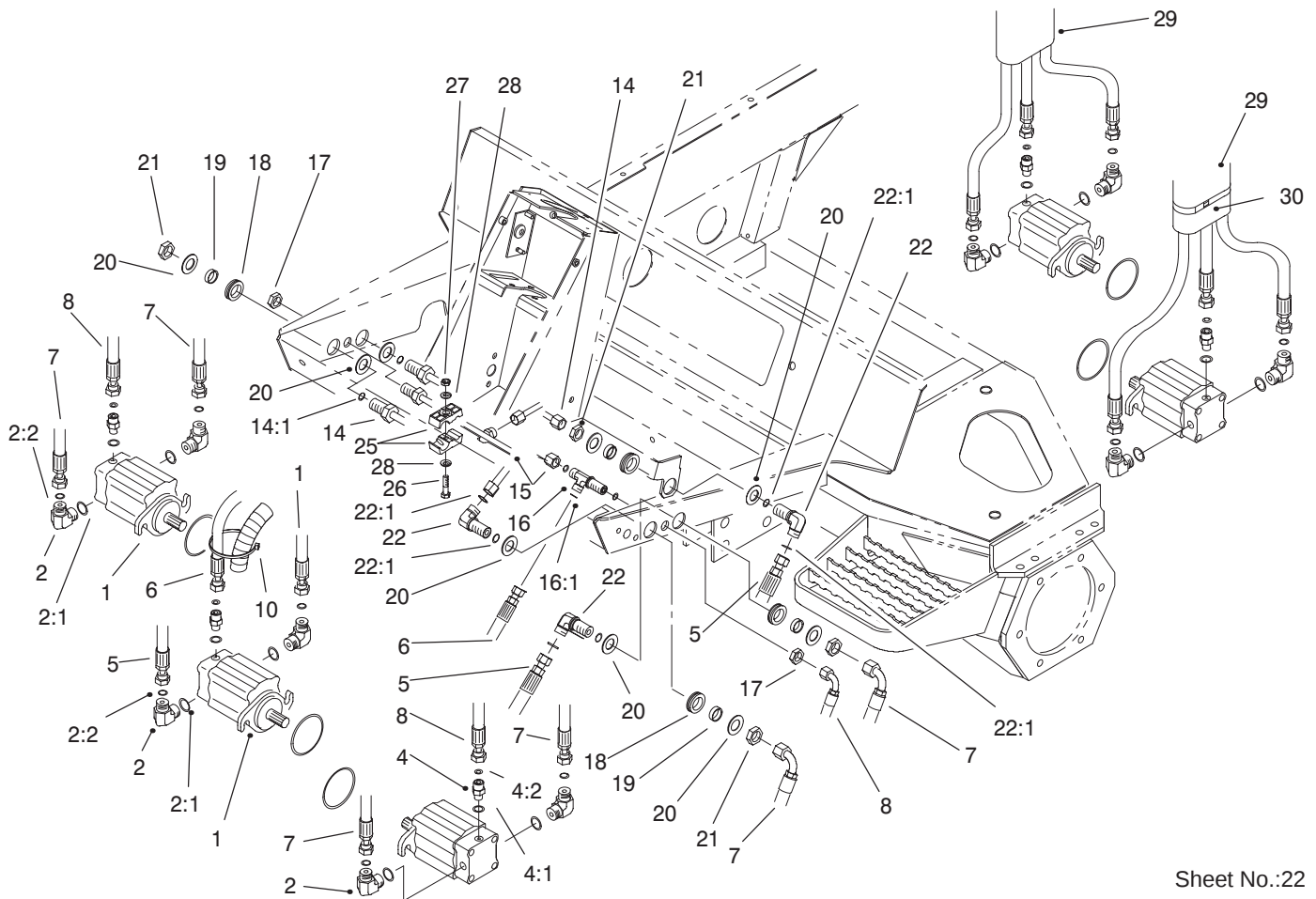
Sheet No.:B8  
T-3502

Front Manifold Block Assembly # 100-3800

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 2        | 75-0920  | 1    | Cartridge-Relief            |
| *2:1     | 95-5645  | 1    | Seal Kit                    |
| 3        | 93-7492  | 1    | Cartridge - Relief          |
| *3:1     | 75-2080  | 1    | Seal Kit                    |
| 4        | 95-3459  | 1    | Cartridge-N.o. Flow Control |
| *4:1     | 75-2080  | 1    | Seal Kit                    |
| 5        | 88-6980  | 1    | Cartridge-N.c.              |
| *5:1     | 75-2080  | 1    | Seal Kit                    |
| 6        | 93-7494  | 2    | Cartridge - N.o.            |
| *6:1     | 75-2080  | 1    | Seal Kit                    |
| 7        | 92-6315  | 1    | Cartridge-N.c. Poppet       |
| *7:1     | 69-4230  | 1    | Seal Kit                    |
| 8        | 92-3071  | 1    | Solenoid                    |
| *8:1     | 69-4260  | 1    | Seal Kit                    |
| 9        | 94-2685  | 2    | Cartridge - N.c. Spool      |
| *9:1     | 95-5645  | 1    | Seal Kit                    |
| 10       | 88-9200  | 1    | Solenoid Coil Kit           |
| 11       | 88-9190  | 7    | Solenoid Coil Kit           |
| 12       | 93-7491  | 1    | Cartridge - Pilot Check     |
| *12:1    | 69-4260  | 1    | Seal Kit                    |
| 14       | 353-991  | 10   | Plug-Hollow Hex             |
| 14:1     | 237-156  | 1    | O-Ring                      |
| 15       | 353-990  | 10   | Plug                        |
| 15:1     | 237-78   | 1    | O-Ring                      |

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 16       | 353-989  | 5    | Plug-Hollow Hex |
| 16:1     | 237-42   | 1    | O-Ring          |
| 20       | 75-2080  | 7    | Seal Kit        |
| 21       | 69-4260  | 2    | Seal Kit        |

\* Not illustrated



Sheet No.:22

## Reel Motor and Hose Assembly

| Ref. No. | Part No. | Qty. | Description                         |
|----------|----------|------|-------------------------------------|
| 1        | 98-9999  | 5    | Hydraulic Motor                     |
| 2        | 340-98   | 10   | Fitting-Hyd, 90°                    |
| 2:1      | 237-79   | 1    | O-Ring                              |
| 2:2      | 237-30   | 1    | O-Ring                              |
| 4        | 340-92   | 5    | Fitting                             |
| 4:1      | 237-78   | 1    | O-Ring                              |
| 4:2      | 237-21   | 1    | O-Ring                              |
| 5        | 99-5629  | 2    | Hose ASM                            |
| 6        | 92-7560  | 1    | Hydraulic Hose ASM                  |
| 7        | 99-5630  | 4    | Hose ASM                            |
| 8        | 92-7555  | 4    | Hydraulic Hose ASM (Only On: 03804) |
| 8        | 92-7559  | 2    | Hydraulic Hose ASM (Only On: 03803) |
| 10       | 3290-378 | 5    | Tie-Cable                           |
| 14       | 93-4219  | 1    | Tube ASM                            |
| 14:1     | 237-30   | 1    | O-Ring                              |
| 15       | 93-4223  | 1    | Front Drain Tube ASM                |
| 15:1     | 237-22   | 1    | O-Ring                              |
| 16       | 340-68   | 1    | Fitting-Tee, Bulkhead               |
| 16:1     | 237-22   | 3    | O-Ring                              |
| 17       | 340-70   | 2    | Locknut-Bulkhead                    |
| 18       | 240-5    | 5    | Grommet                             |
| 19       | 69-8960  | 5    | Spacer                              |
| 20       | 69-8930  | 10   | Washer                              |
| 21       | 340-127  | 5    | Nut-Bulkhead                        |

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 22       | 93-9151  | 3    | Fitting-Hyd         |
| 22:1     | 237-30   | 2    | O-Ring              |
| 25       | 56-7972  | 4    | Tube Clamp          |
| 26       | 322-7    | 2    | Screw-HH            |
| 27       | 3296-47  | 2    | Nut-Lock, NI        |
| 28       | 3256-23  | 4    | Washer-Flat         |
| 29       | 99-5617  | 5    | Sleeve - Protection |
| 30       | 3290-379 | 10   | Tie-Cable           |
| 31       | 93-9783  | 10   | O-Ring              |

\* Not illustrated

10 — 1-3 & 6

11 — 1, 2, 4, 5 & 9

12 — 6 & 7

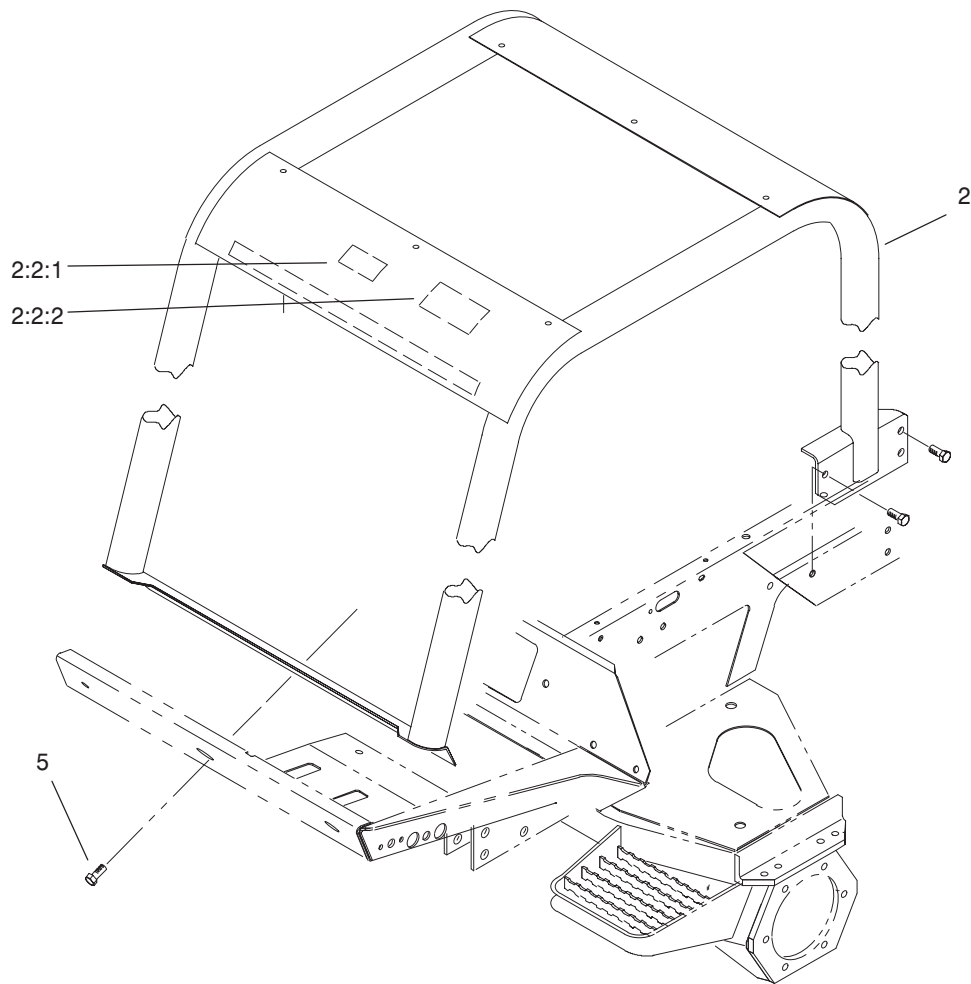
**Parts not listed in partlist are not serviced separately.**

Sheet No.:B5

## Reel Motor Assembly # 98-9999

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 10       | 93-9152  | 1    | Flange Kit      |
| 11       | 98-9997  | 1    | Seal Kit        |
| 12       | 93-9154  | 1    | Valve Block Kit |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

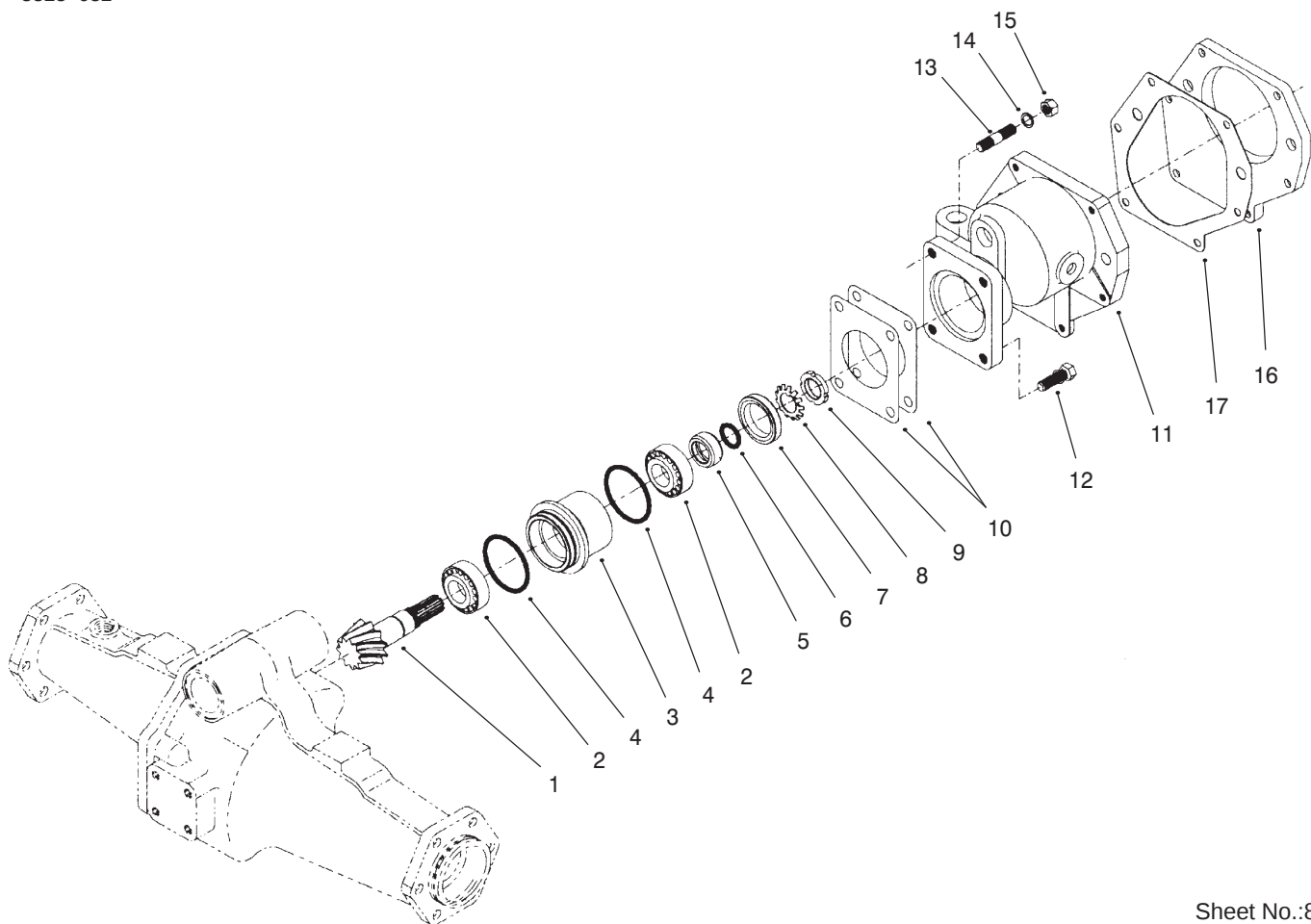


Sheet No.:25

## Roll Over Protection System (ROPS)

| Ref. No. | Part No.   | Qty. | Description                          |
|----------|------------|------|--------------------------------------|
| 2        | 92-7571-03 | 1    | Rops (only on: 03804)                |
| 2:2:1    | 92-6073    | 1    | Decal F/W Rops<br>(only on: 03804)   |
| 2:2:2    | 92-7540    | 1    | Decal - Rops F/W<br>(only on: 03804) |
| 5        | 33106-035  | 3    | Screw-HHF (only on:<br>03804)        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



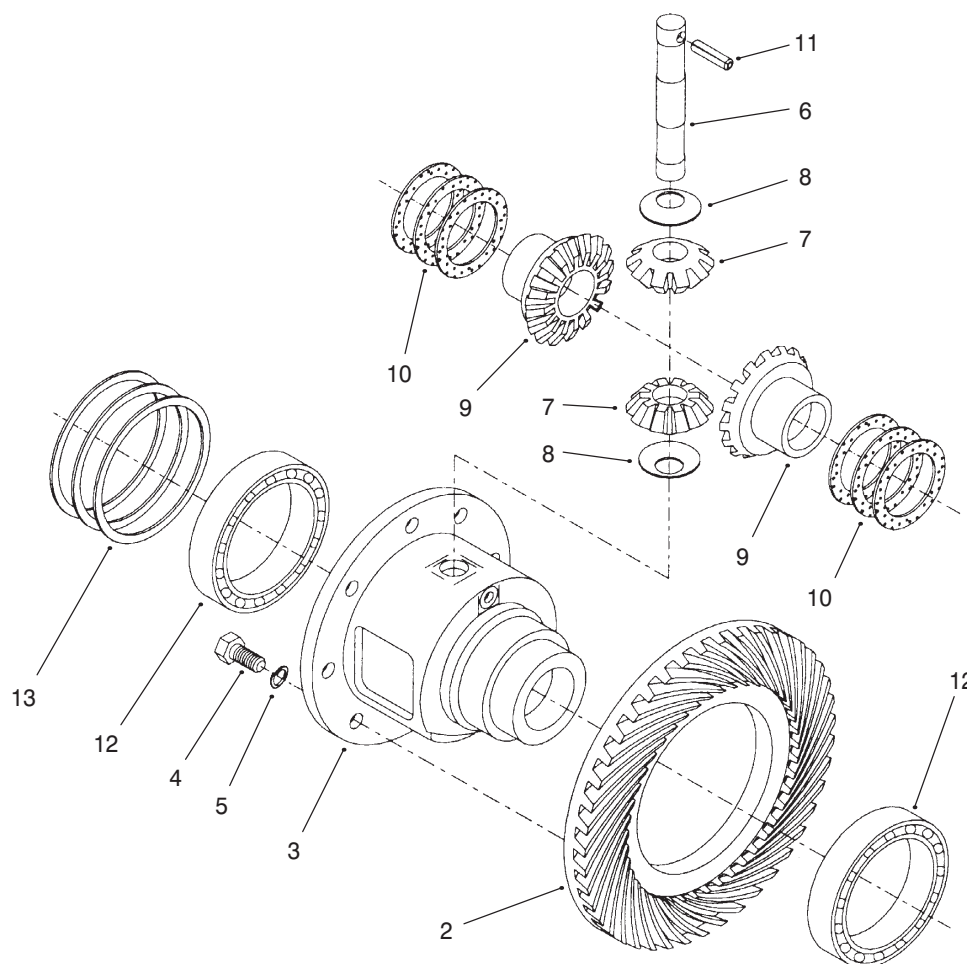
Sheet No.:83  
T-3202-1

## Rear Axle Assembly No. 100-3784

### Bevel Pinion Shaft Assembly

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 1        | 100-2555 | 1    | Ring And Pinion Matched Set |
| 2        | 99-7570  | 2    | Bearing-Taper Roller        |
| 3        | 95-7534  | 1    | Case, Bearing               |
| 4        | 99-7571  | 2    | O-Ring                      |
| 5        | 99-7572  | 1    | Collar-Oil Seal             |
| 6        | 99-7573  | 1    | O-Ring                      |
| 7        | 99-7574  | 1    | Seal-Oil                    |
| 8        | 99-7559  | 1    | Washer-Lock                 |
| 9        | 99-7560  | 1    | Nut-Lock                    |
| 10       | 99-7550  | 2    | Shim 0.1                    |
| 10       | 99-7551  | 2    | Shim 0.2                    |
| 11       | 95-7533  | 1    | Case, Gear                  |
| 12       | 99-7575  | 2    | Bolt                        |
| 13       | 100-2556 | 2    | Stud                        |
| 14       | 99-7527  | 2    | Washer-Spring               |
| 15       | 99-7526  | 2    | Nut                         |
| 16       | 95-7541  | 1    | Cover Plate                 |
| 17       | 95-7540  | 1    | Gasket                      |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:84

T-3203-1

## Rear Axle Assembly No. 100-3784 (Continued)

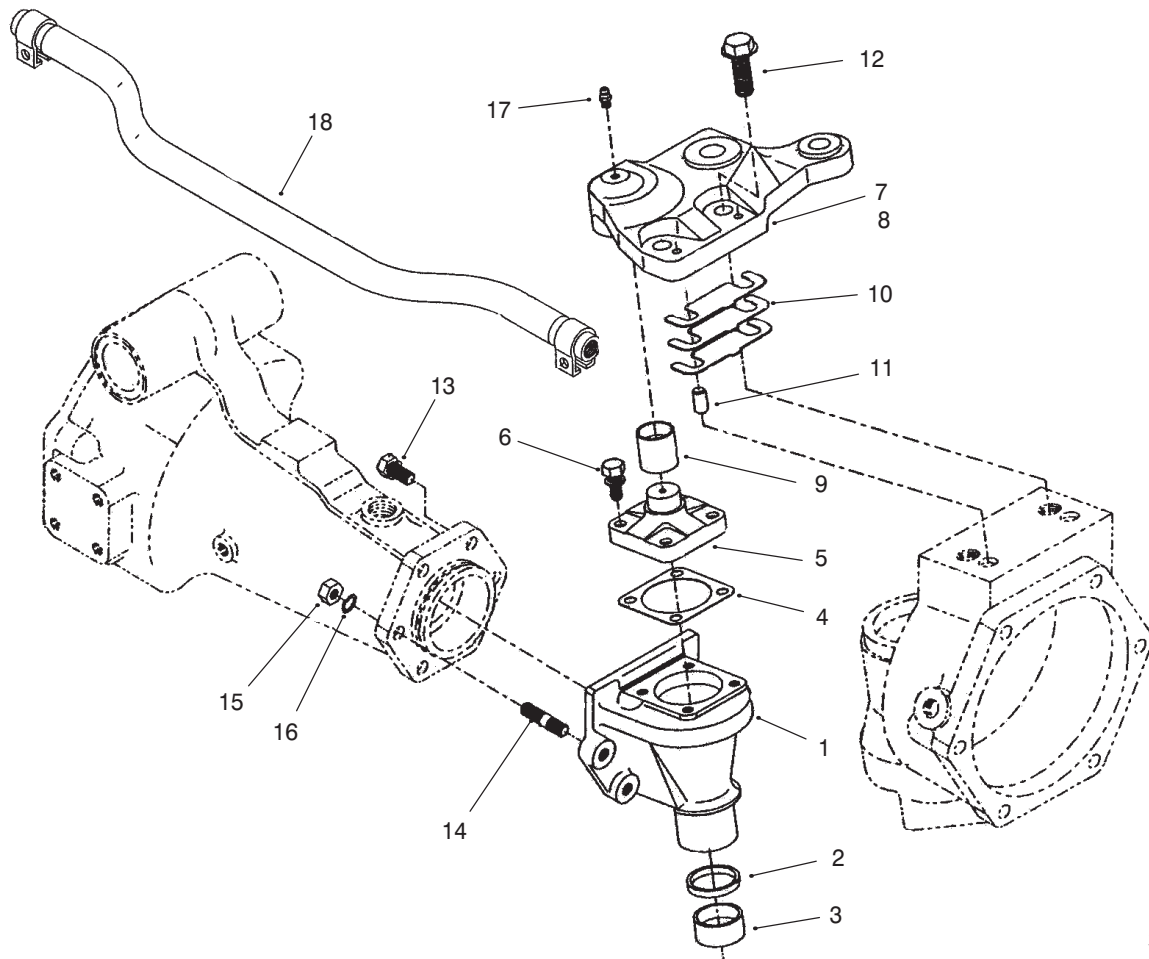
| Ref. No. | Part No. | Qty. | Description                    |
|----------|----------|------|--------------------------------|
| 1        | 95-7503  | 1    | Differential ASM               |
| 2        | 100-2555 | 1    | Ring And Pinion<br>Matched Set |
| 3        | 95-7502  | 1    | Case-Differential              |
| 4        | 99-7576  | 8    | Bolt                           |
| 5        | 99-7577  | 8    | Washer-Spring                  |
| 6        | 99-7578  | 1    | Shaft-Diff. Pinion             |
| 7        | 99-7579  | 2    | Pinion-Differential            |
| 8        | 99-7580  | 2    | Washer-Diff. Pinion            |
| 9        | 99-7581  | 2    | Gear-Differential              |
| 10       | 99-7582  | 2    | Washer-Differential            |
| 10       | 99-7583  | 2    | Washer-Differential            |
| 10       | 99-7584  | 2    | Washer-Differential            |
| 11       | 99-7588  | 1    | Pin-Spring                     |
| 12       | 99-7562  | 2    | Bearing-Ball                   |
| 13       | 99-7585  | 2    | Shim 0.1                       |
| 13       | 99-7586  | 2    | Shim 0.2                       |
| 13       | 99-7587  | 2    | Shim 0.4                       |

## Rear Axle Assembly No. 100–3784 (Continued)

### Axle Support Assembly

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 1        | 95-7508  | 1    | Support-Axle    |
| 2        | 95-7506  | 1    | Support-Axle    |
| 3        | 95-7507  | 1    | O-Ring          |
| 4        | 95-7537  | 2    | Bushing-Flanged |
| 5        | 99-7589  | 2    | Plug            |
| 6        | 99-7590  | 2    | Washer-Seal     |
| 7        | 99-7591  | 1    | Oil Plug ASM    |
| 8        | 99-7592  | 8    | Bolt            |
| 9        | 99-7593  | 2    | O-Ring          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:86

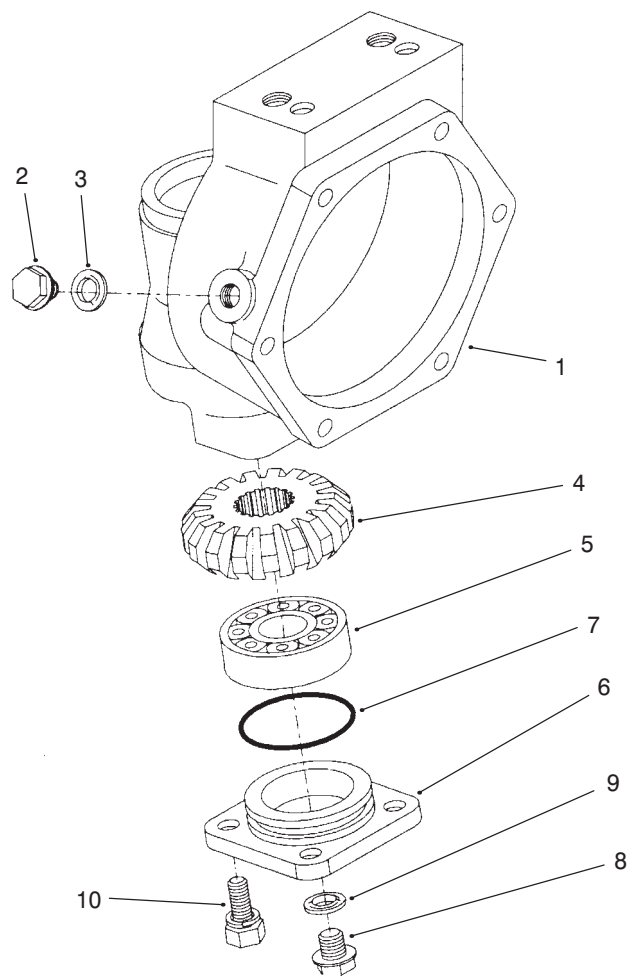
T-3503

## Rear Axle Assembly No. 100-3784 (Continued) Bevel Gear Case Assembly

| Ref. No. | Part No. | Qty. | Description     | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-----------------|----------|----------|------|-------------|
| 1        | 95-7539  | 2    | Case-Bevel Gear |          |          |      |             |
| 2        | 100-2557 | 2    | Seal, Oil       |          |          |      |             |
| 3        | 100-2558 | 2    | Bushing         |          |          |      |             |
| 4        | 95-7511  | 2    | Gasket          |          |          |      |             |
| 5        | 95-7510  | 2    | Pin-Knuckle     |          |          |      |             |
| 6        | 99-7596  | 8    | Bolt            |          |          |      |             |
| 7        | 100-3768 | 1    | Steering Arm-LH |          |          |      |             |
| 8        | 100-3766 | 1    | Steering Arm-RH |          |          |      |             |
| 9        | 99-7529  | 2    | Bushing         |          |          |      |             |
| 10       | 95-7547  | 2    | Shim 0.1        |          |          |      |             |
| 10       | 95-7548  | 2    | Shim 0.2        |          |          |      |             |
| 10       | 95-7549  | 2    | Shim 0.4        |          |          |      |             |
| 11       | 99-7597  | 4    | Pin-Dowel       |          |          |      |             |
| 12       | 99-7598  | 4    | Bolt            |          |          |      |             |
| 13       | 99-7599  | 8    | Bolt            |          |          |      |             |
| 14       | 99-7525  | 4    | Stud            |          |          |      |             |
| 15       | 99-7526  | 4    | Nut             |          |          |      |             |
| 16       | 99-7527  | 4    | Washer-Spring   |          |          |      |             |
| 17       | 99-7528  | 2    | Nipple-Grease   |          |          |      |             |
| 18       | 100-3762 | 1    | Tie Rod ASM     |          |          |      |             |

7 Sheet No.:87  
T-3206-1

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



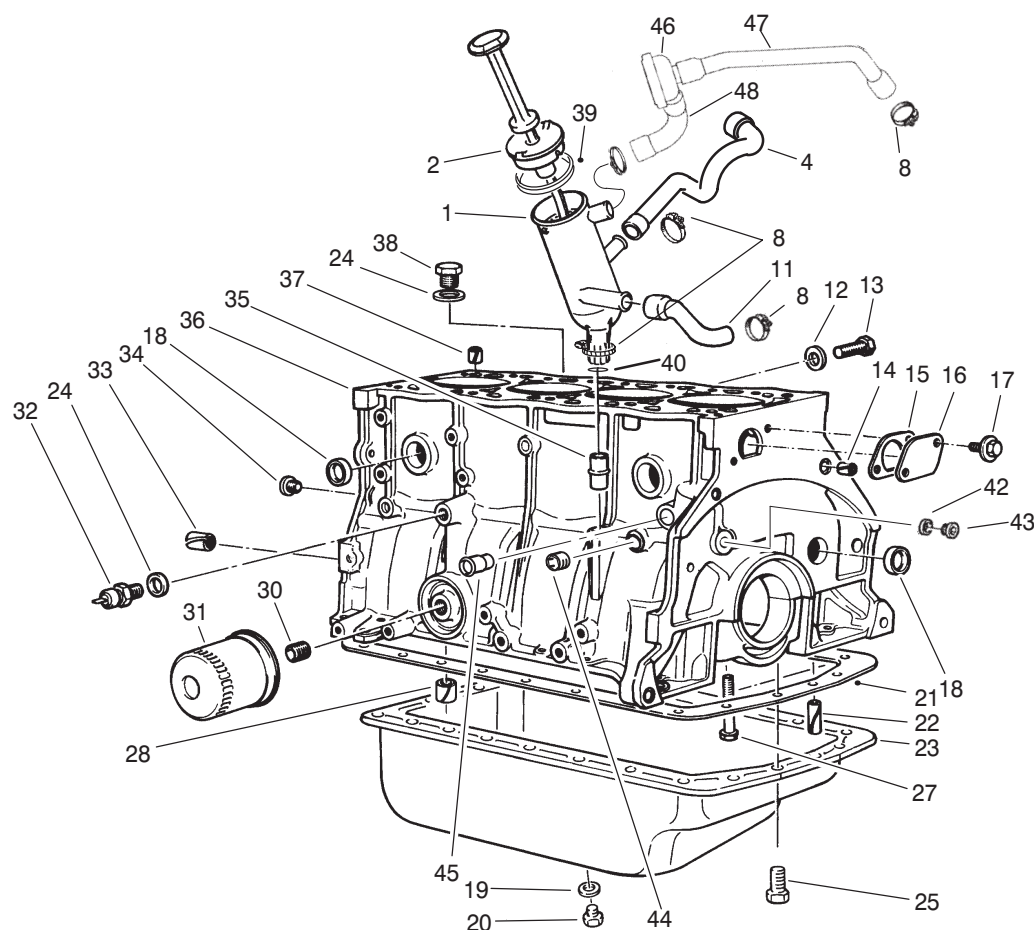
Sheet No.:88  
T-3207-1

## Rear Axle Assembly No. 100-3784 (Continued)

### Axle Case Assembly

| Ref. No. | Part No. | Qty. | Description          | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|----------------------|----------|----------|------|-------------|
| 1        | 95-7531  | 2    | Case, Axle           |          |          |      |             |
| 2        | 99-7535  | 2    | Plug                 |          |          |      |             |
| 3        | 99-7536  | 2    | Washer-Seal          |          |          |      |             |
| 4        | 95-7527  | 2    | Gear, 17 Tooth Bevel |          |          |      |             |
| 5        | 99-7532  | 2    | Bearing-Taper Roller |          |          |      |             |
| 6        | 100-2560 | 2    | Cover                |          |          |      |             |
| 7        | 100-2561 | 2    | O-Ring               |          |          |      |             |
| 8        | 99-7589  | 2    | Plug                 |          |          |      |             |
| 9        | 99-7590  | 2    | Washer-Seal          |          |          |      |             |
| 10       | 100-2562 | 8    | Bolt                 |          |          |      |             |





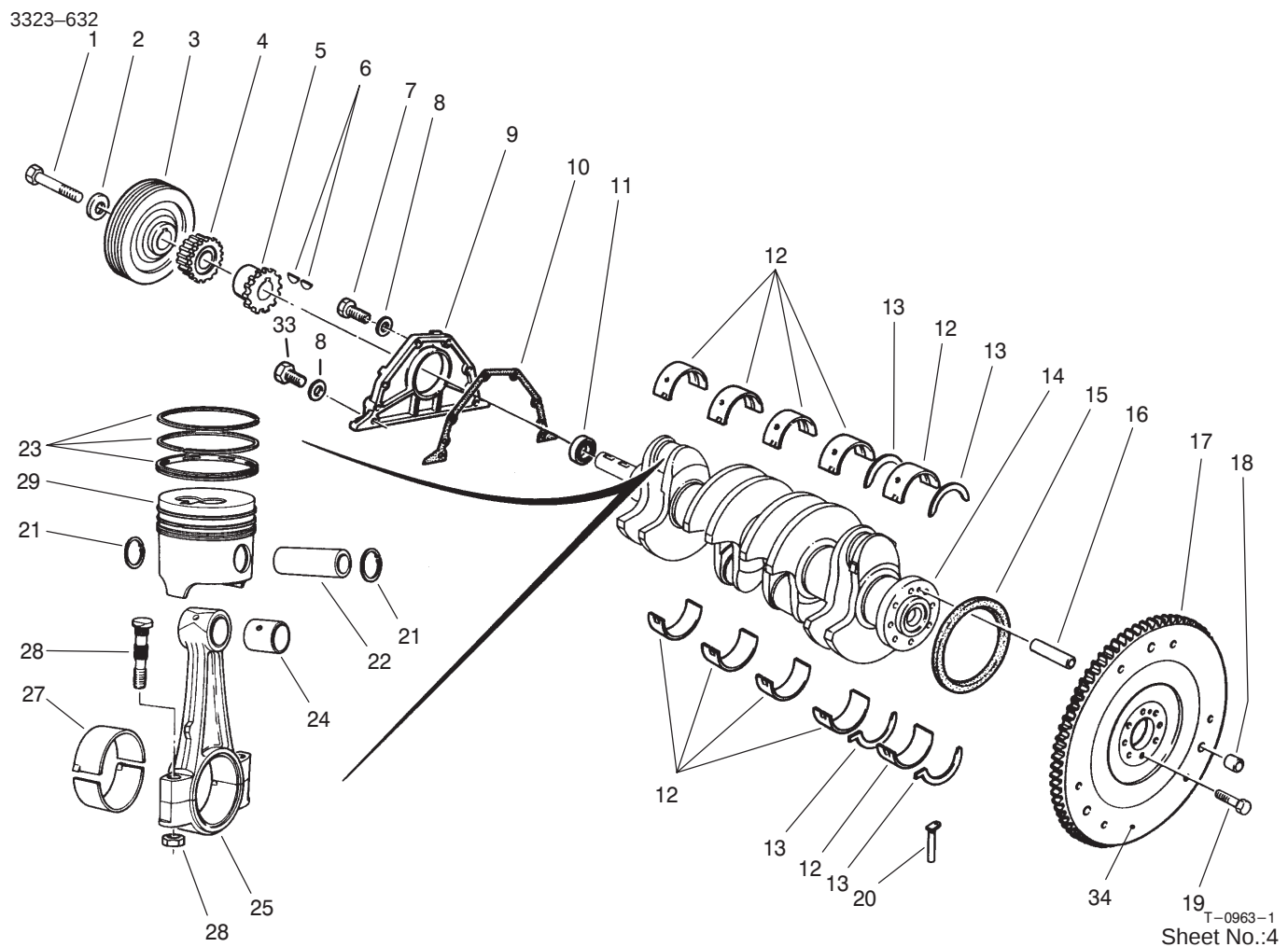
Sheet No.:3

T-2142-1

## Crankcase Assembly

| Ref. No. | Part No. | Qty. | Description           | Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------------|----------|----------|------|-----------------|
| 1        | 94-3181  | 1    | Oil Filler            | 31       | 74-7970  | 1    | Oil Filter      |
| 2        | 94-3182  | 1    | Plug                  | 32       | 94-3180  | 1    | Pressure Switch |
| 4        | 94-3184  | 1    | Hose-Crankcase        | 33       | 74-7990  | 4    | Spring Pin      |
| 8        | 2412-129 | 8    | Clamp-Hose            | 34       | 74-8000  | 2    | Plug            |
| 11       | 74-7770  | 1    | Hose - Crank Case     | 35       | 74-8010  | 1    | Tube            |
| 12       | 74-7780  | 1    | Gasket                | 36       | 94-3100  | 1    | Cylinder Block  |
| 13       | 74-7790  | 1    | Screw                 | 37       | 74-8030  | 1    | Spring Pin      |
| 14       | 74-7800  | 2    | Spring Pin            | 38       | 74-8040  | 1    | Plug            |
| 15       | 74-7810  | 1    | Gasket-Plate          | 39       | 94-3183  | 1    | Gasket          |
| 16       | 74-7820  | 1    | Plate                 | 40       | 94-3186  | 1    | O-Ring          |
| 17       | 94-3112  | 2    | Screw                 | 42       | 94-3106  | 2    | Gasket          |
| 18       | 74-7840  | 8    | Plug                  | 43       | 94-3104  | 2    | Plug-Threaded   |
| 18       | 94-3108  | 8    | Plug-27.5mm           | 44       | 94-3103  | 1    | Plug-Threaded   |
| 18       | 94-3109  | 9    | Plug-28.5mm           | 45       | 94-3110  | 1    | Stud            |
| 19       | 74-7320  | 1    | Gasket-Oil Drain Plug | 46       | 74-5760  | 1    | Valve Pvc F/W   |
| 20       | 74-7310  | 1    | Oil Drain Plug        | 47       | 94-3192  | 1    | Hose-Manifold   |
| 21       | 74-7380  | 1    | Oil Sump Gasket       | 48       | 94-3191  | 1    | Hose-Pcv Valve  |
| 22       | 94-3111  | 2    | Pin                   | *52      | 94-3101  | 1    | Gasket Set      |
| 23       | 74-7300  | 1    | Oil Sump Assy         | *53      | 77-3600  | 1    | Shield-Adapter  |
| 24       | 74-7850  | 2    | Gasket                |          |          |      |                 |
| 25       | 74-7330  | 23   | Screw-HH              |          |          |      |                 |
| 26       | 77-3790  | 1    | Drain Plug            |          |          |      |                 |
| 27       | 74-7930  | 10   | Capscrew-Bearing      |          |          |      |                 |
| 28       | 74-7940  | 1    | Spring Bushing        |          |          |      |                 |
| 29       | 74-7950  | 6    | Plate Screw           |          |          |      |                 |
| 30       | 74-7960  | 1    | Filter Stud           |          |          |      |                 |

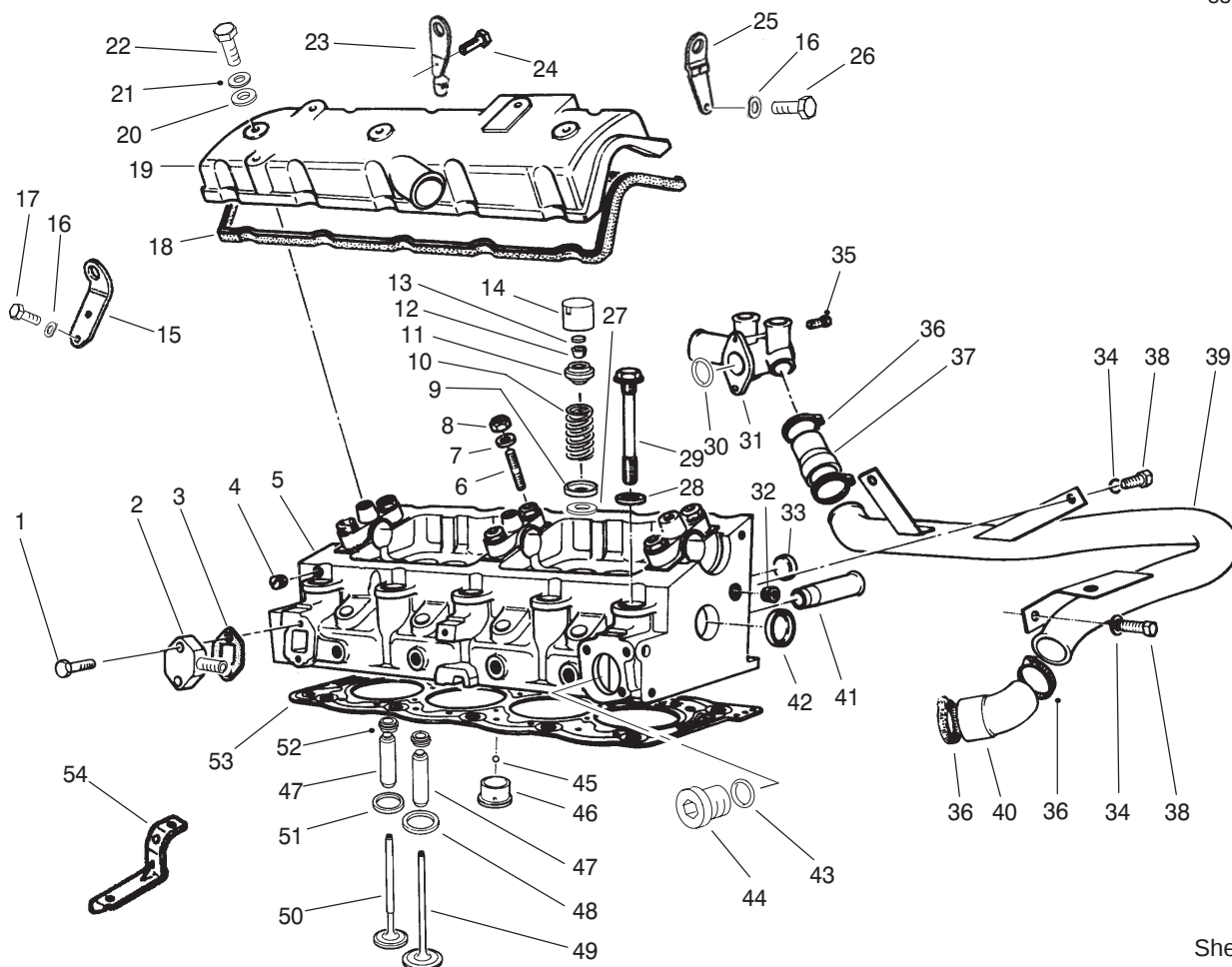
\* Not illustrated



## Crankshaft Assembly

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 1        | 94-3145  | 1    | Screw-Pulley           |
| 2        | 74-8080  | 1    | Washer                 |
| 3        | 94-3144  | 1    | Pulley-Crankshaft      |
| 4        | 74-8100  | 1    | Pinion Gear            |
| 5        | 74-8110  | 1    | Oil Pump Sprocket      |
| 6        | 74-8120  | 2    | Key - Woodruff         |
| 7        | 94-3150  | 4    | Screw-HH               |
| 8        | 94-3151  | 6    | Washer-Spring          |
| 9        | 74-8140  | 1    | Cover                  |
| 10       | 74-8150  | 1    | Cover Gasket           |
| 11       | 94-3148  | 1    | Gasket                 |
| 12       | 74-8170  | 5    | Bearing Set (STD)      |
| 12       | 74-8180  | 2    | Bearing Set (.30mm Os) |
| 13       | 74-8200  | 2    | Thrust Bearing Set     |
| 13       | 74-8210  | 2    | Thrust Bearing Set     |
| 13       | 74-8220  | 2    | Thrust Bearing Set     |
| 13       | 94-3141  | 2    | Flange Set             |
| 14       | 74-8230  | 1    | Crank Shaft            |
| 15       | 74-8240  | 1    | Seal                   |
| 16       | 74-7990  | 1    | Spring Pin             |
| 17       | 94-3149  | 1    | Gear-Flywheel          |
| 18       | 74-8270  | 3    | Pin                    |
| 19       | 74-8280  | 8    | Screw Hex Hd           |
| 20       | 74-8290  | 2    | Cap-Bearing            |
| 21       | 74-8300  | 8    | Piston Pin Clip        |

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 22       | 74-8310  | 4    | Piston Pin             |
| 23       | 74-8320  | 4    | Piston Ring Set        |
| 23       | 74-8330  | 4    | Piston Ring Set        |
| 23       | 74-8340  | 4    | Piston Ring Set        |
| 23       | 94-3158  | 4    | Piston Ring Set        |
| 24       | 94-3154  | 4    | Bushing                |
| 25       | 94-3153  | 4    | Connecting Rod Set     |
| 27       | 74-8380  | 4    | Bearing-Connecting Rod |
| 27       | 94-3155  | 1    | Bearing Set-1st Repair |
| 28       | 74-8400  | 8    | Bolt - Connecting Rod  |
| 29       | 74-8420  | 1    | Piston Set             |
| 29       | 74-8430  | 1    | Piston Set             |
| 29       | 74-8440  | 1    | Piston Set             |
| 29       | 94-3157  | 1    | Piston Set             |
| 33       | 94-3152  | 2    | Screw-HH               |
| 34       | 74-8260  | 1    | Flywheel               |

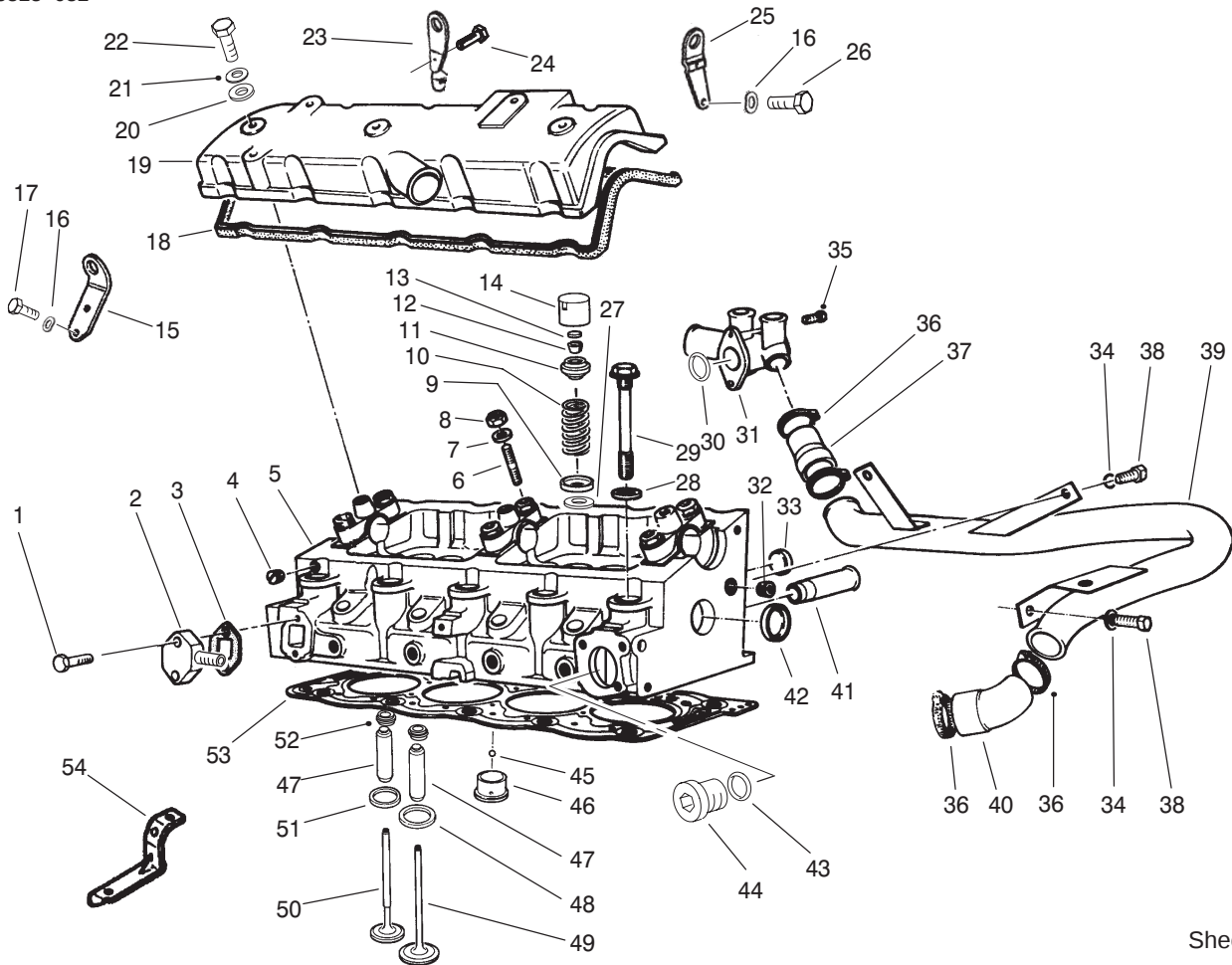


Sheet No.:5

T-3504

## Cylinder Head Assembly

| Ref. No. | Part No. | Qty. | Description             | Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|----------|----------|------|-------------------------|
| 1        | 94-3123  | 2    | Capscrew                | 13       | 74-6640  | 8    | Insert -Valve (2.125mm) |
| 2        | 94-3117  | 1    | Plate                   | 13       | 74-6650  | 8    | Insert -Valve (2.225mm) |
| 3        | 94-3116  | 1    | Gasket                  | 13       | 74-6660  | 8    | Insert -Valve (2.250mm) |
| 4        | 74-7600  | 4    | Plug                    | 13       | 74-6670  | 8    | Insert -Valve (2.275mm) |
| 5        | 94-3113  | 1    | Cylinder Head           | 13       | 74-6680  | 8    | Insert -Valve (2.300mm) |
| 5        | 94-9965  | 1    | Cylinder Head ASM       | 13       | 74-6690  | 8    | Insert -Valve (2.325mm) |
| 6        | 76-5130  | 6    | Stud                    | 13       | 74-6700  | 8    | Insert -Valve (2.350mm) |
| 7        | 74-8900  | 6    | Washer - Flat           | 13       | 74-6710  | 8    | Insert -Valve (2.375mm) |
| 8        | 94-3115  | 6    | Nut                     | 13       | 74-6720  | 8    | Insert -Valve (2.400mm) |
| 9        | 74-6570  | 8    | Cup-Lower Valve Spring  | 13       | 74-6730  | 8    | Insert -Valve (2.425mm) |
| 10       | 74-6560  | 8    | Valve Spring            | 13       | 74-6740  | 8    | Insert -Valve (2.450mm) |
| 11       | 74-6550  | 8    | Cup                     | 13       | 74-6750  | 8    | Insert -Valve (2.475mm) |
| 12       | 74-7240  | 16   | Split Collar            | 13       | 74-6760  | 8    | Insert -Valve (2.500mm) |
| 13       | 74-6580  | 8    | Insert - Valve (1.65mm) |          |          |      |                         |
| 13       | 74-6590  | 8    | Insert -Valve (1.725mm) |          |          |      |                         |
| 13       | 74-6600  | 8    | Insert -Valve (1.800mm) |          |          |      |                         |
| 13       | 74-6610  | 8    | Insert -Valve (1.900mm) |          |          |      |                         |
| 13       | 74-6620  | 8    | Insert -Valve (1.975mm) |          |          |      |                         |
| 13       | 74-6630  | 8    | Insert -Valve (2.050mm) |          |          |      |                         |



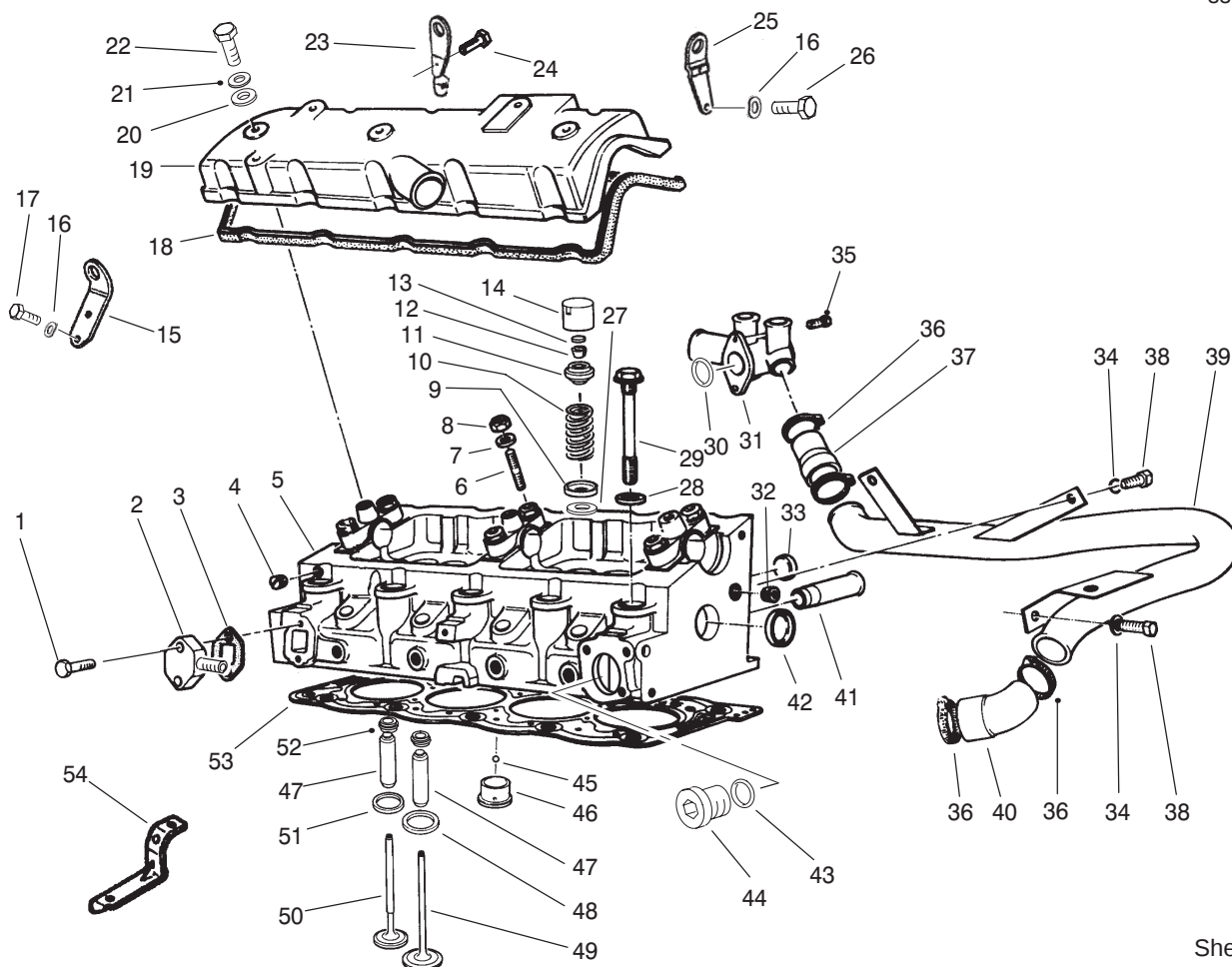
Sheet No.:5

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## Cylinder Head Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|
| 13       | 74-6770  | 8    | Insert -Valve (2.525mm) |
| 13       | 74-6780  | 8    | Insert -Valve (2.550mm) |
| 13       | 74-6790  | 8    | Insert -Valve (2.575mm) |
| 13       | 74-6800  | 8    | Insert -Valve (2.600mm) |
| 13       | 74-6810  | 8    | Insert -Valve (2.625mm) |
| 13       | 74-6820  | 8    | Insert -Valve (2.650mm) |
| 13       | 74-6830  | 8    | Insert -Valve (2.675mm) |
| 13       | 74-6840  | 8    | Insert -Valve (2.700mm) |
| 13       | 74-6850  | 8    | Insert -Valve (2.725mm) |
| 13       | 74-6860  | 8    | Insert -Valve (2.750mm) |
| 13       | 74-6870  | 8    | Insert -Valve (2.775mm) |
| 13       | 74-6880  | 8    | Insert -Valve (2.800mm) |
| 13       | 74-6890  | 8    | Insert -Valve (2.825mm) |

| Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|
| 13       | 74-6900  | 8    | Insert -Valve (2.850mm) |
| 13       | 74-6910  | 8    | Insert -Valve (2.875mm) |
| 13       | 74-6920  | 8    | Insert -Valve (2.900mm) |
| 13       | 74-6930  | 8    | Insert -Valve (2.925mm) |
| 13       | 74-6940  | 8    | Insert -Valve (2.950mm) |
| 13       | 74-6950  | 8    | Insert -Valve (2.975mm) |
| 13       | 74-6960  | 8    | Insert -Valve (3.000mm) |
| 13       | 74-6970  | 8    | Insert -Valve (3.025mm) |
| 13       | 74-6980  | 8    | Insert -Valve (3.050mm) |
| 13       | 74-6990  | 8    | Insert -Valve (3.075mm) |
| 13       | 74-7000  | 8    | Insert -Valve (3.100mm) |
| 13       | 74-7010  | 8    | Insert -Valve (3.125mm) |
| 13       | 74-7020  | 8    | Insert -Valve (3.150mm) |

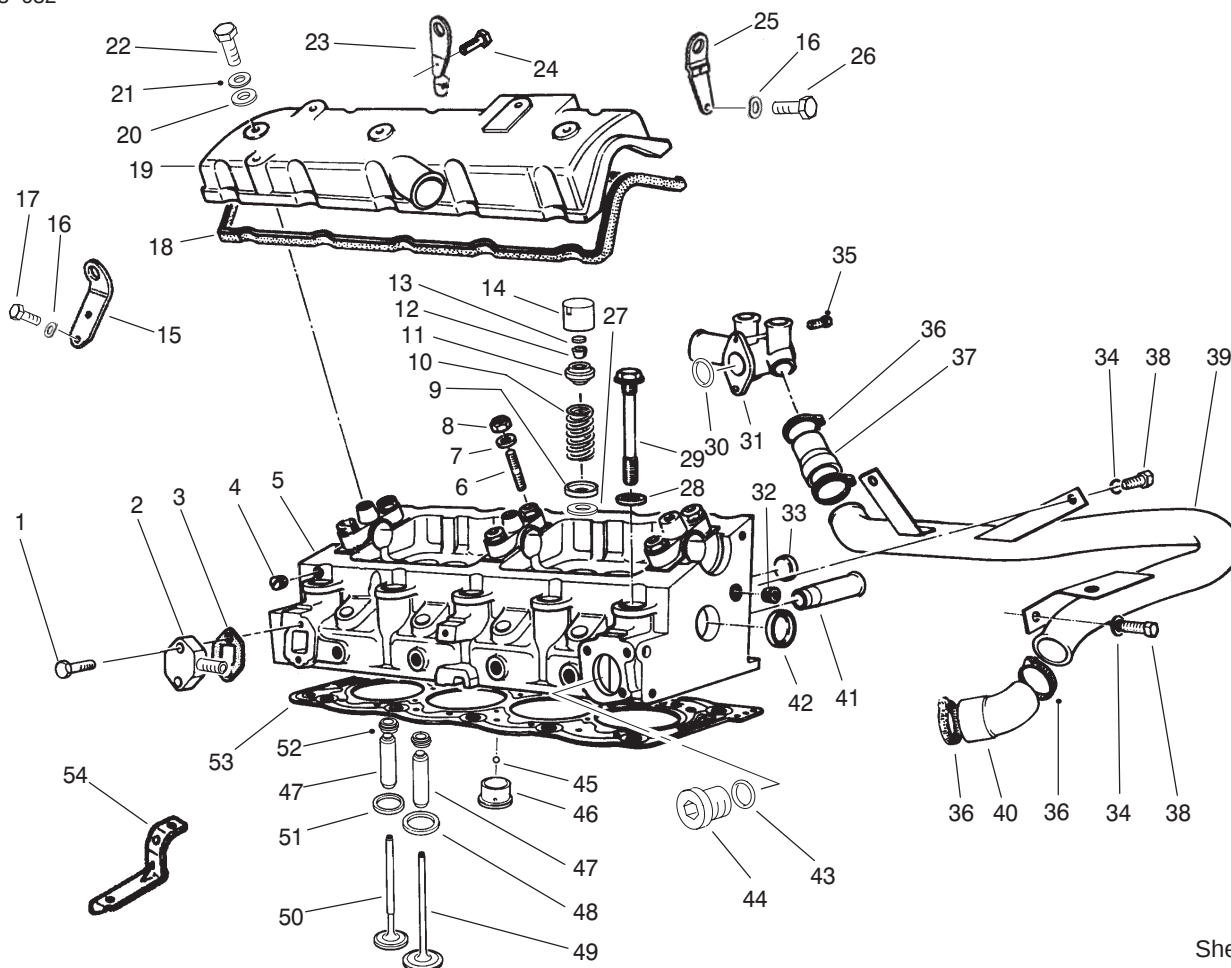


Sheet No.:5

T-3504

## Cylinder Head Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description             | Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|----------|----------|------|-------------------------|
| 13       | 74-7030  | 8    | Insert -Valve (3.175mm) | 13       | 74-7160  | 8    | Insert -Valve (3.500mm) |
| 13       | 74-7040  | 8    | Insert -Valve (3.200mm) | 13       | 74-7170  | 8    | Insert -Valve (3.550mm) |
| 13       | 74-7050  | 8    | Insert -Valve (3.225mm) | 13       | 74-7180  | 8    | Insert -Valve (3.625mm) |
| 13       | 74-7060  | 8    | Insert -Valve (3.250mm) | 13       | 74-7190  | 8    | Insert -Valve (3.700mm) |
| 13       | 74-7070  | 8    | Insert -Valve (3.275mm) | 13       | 74-7200  | 8    | Insert -Valve (3.775mm) |
| 13       | 74-7080  | 8    | Insert -Valve (3.300mm) | 13       | 74-7210  | 8    | Insert -Valve (3.850mm) |
| 13       | 74-7090  | 8    | Insert -Valve (3.325mm) | 13       | 74-7220  | 8    | Insert -Valve (3.925mm) |
| 13       | 74-7100  | 8    | Insert -Valve (3.350mm) | 13       | 74-7230  | 8    | Insert -Valve (4.000mm) |
| 13       | 74-7110  | 8    | Insert -Valve (3.375mm) | 14       | 74-6540  | 8    | Tappet - Valve          |
| 13       | 74-7120  | 8    | Insert -Valve (3.400mm) | 15       | 94-3155  | 1    | Bearing Set-1st Repair  |
| 13       | 74-7130  | 8    | Insert -Valve (3.425mm) | 16       | 74-7560  | 3    | Lockwasher              |
| 13       | 74-7140  | 8    | Insert -Valve (3.450mm) | 17       | 76-5470  | 2    | Capscrew - Hex Head     |
| 13       | 74-7150  | 8    | Insert -Valve (3.475mm) | 18       | 74-7630  | 1    | Gasket - Valve Cover    |
|          |          |      |                         | 19       | 74-7640  | 1    | Valve Cover             |
|          |          |      |                         | 20       | 74-7650  | 3    | Washer - Flat           |
|          |          |      |                         | 21       | 94-3125  | 3    | Washer-Plate            |
|          |          |      |                         | 22       | 94-3124  | 3    | Screw-HH                |



Sheet No.:5

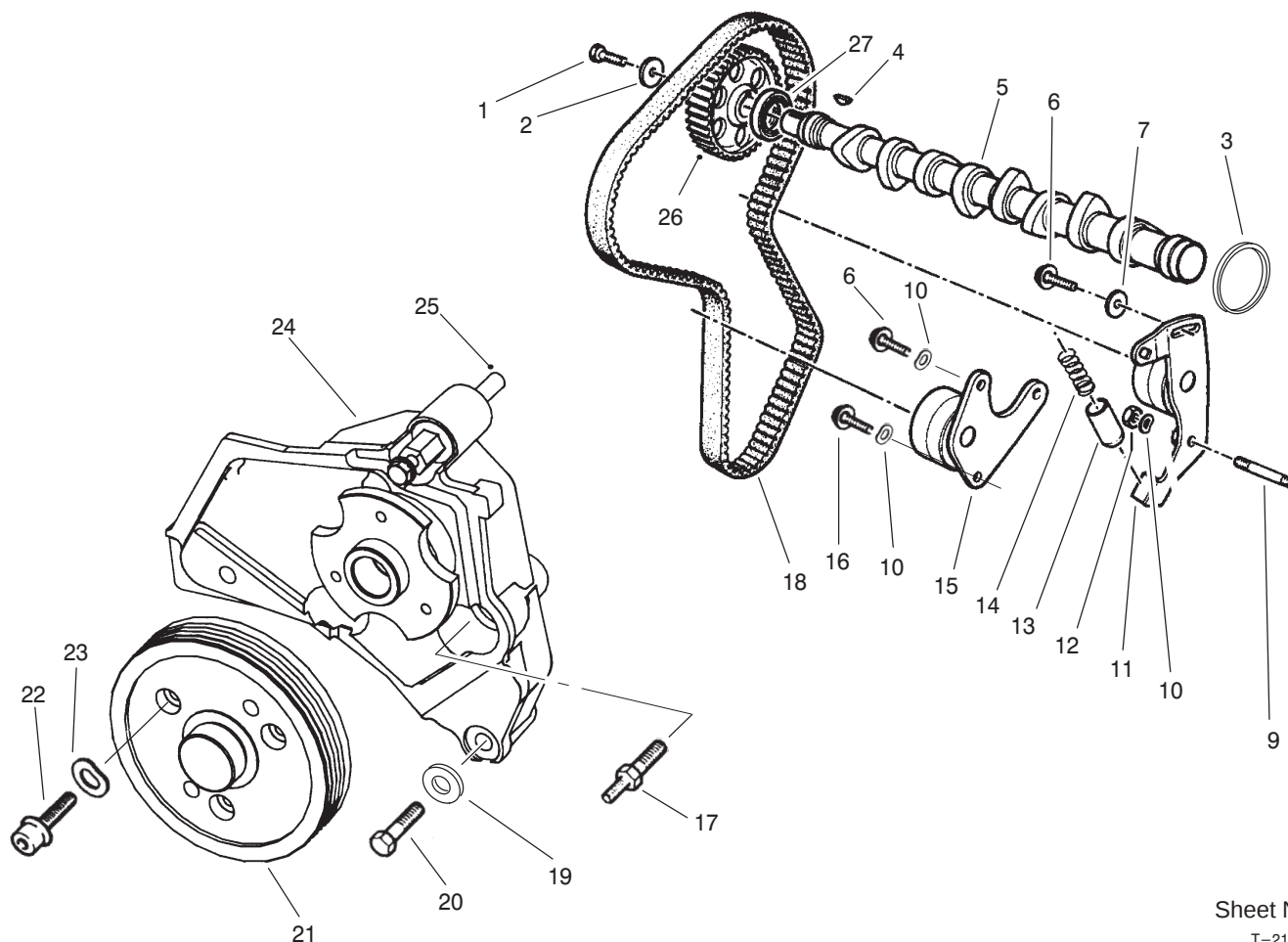
T-3504

## Cylinder Head Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 23       | 94-3136  | 1    | Bracket-Lifting    |
| 24       | 94-3138  | 1    | Screw-HH           |
| 25       | 94-3137  | 1    | Bracket-Lifting    |
| 26       | 94-3139  | 1    | Screw              |
| 27       | 94-3174  | 8    | Washer-Repair      |
| 28       | 74-7270  | 10   | Washer-Flat        |
| 29       | 74-7260  | 10   | Head Bolt          |
| 30       | 94-3197  | 1    | O-Ring             |
| 31       | 94-3196  | 1    | Water-Inlet        |
| 32       | 94-3118  | 1    | Plug               |
| 33       | 74-7840  | 2    | Plug               |
| 33       | 94-3108  | 2    | Plug-27.5mm        |
| 33       | 94-3109  | 2    | Plug-28.5mm        |
| 34       | 68-9420  | 5    | Washer-Lock        |
| 35       | 48-9460  | 2    | Capscrew-Hex       |
| 36       | 2412-129 | 4    | Clamp-Hose         |
| 37       | 94-3200  | 1    | Hose-By Pass       |
| 38       | 48-7700  | 3    | Screw              |
| 39       | 94-3199  | 1    | Pipe-By Pass       |
| 40       | 94-3201  | 1    | Hose-By Pass       |
| 41       | 74-7400  | 1    | Tube               |
| 42       | 74-7840  | 2    | Plug               |
| 43       | 94-3122  | 1    | Gasket             |
| 44       | 94-3121  | 1    | Plug               |
| 45       | 74-7420  | 4    | Ball               |
| 46       | 74-7430  | 4    | Chamber-Turbulence |

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
| 46       | 74-7440  | 4    | Chamber - Turbulence     |
| 47       | 92-7792  | 8    | Valve Guide (14.29 Mm)   |
| 47       | 92-7793  | 8    | Valve Guide (14.59 Mm)   |
| 48       | 74-7450  | 4    | Exhaust Valve Seat       |
| 48       | 74-7460  | 4    | Seat-Intake Valve (39.5) |
| 49       | 74-7480  | 4    | Intake Valve             |
| 50       | 92-7794  | 4    | Valve - Exhaust          |
| 51       | 92-7795  | 4    | Valve Seat               |
| 52       | 92-7791  | 8    | Valve - Stem Seal        |
| 53       | 94-8132  | 1    | Gasket - Head, 1.48      |
| 53       | 94-8133  | 1    | Gasket - Head, 1.52      |
| 53       | 94-8134  | 1    | Gasket - Head, 1.58      |
| 53       | 94-8135  | 1    | Gasket - Head, 1.62      |
| 54       | 94-3120  | 1    | Bracket                  |
| *55      | 74-7670  | 1    | Head Bolt & Washer Set   |
| *56      | 94-3119  | 1    | Gasket Set               |

\* Not illustrated



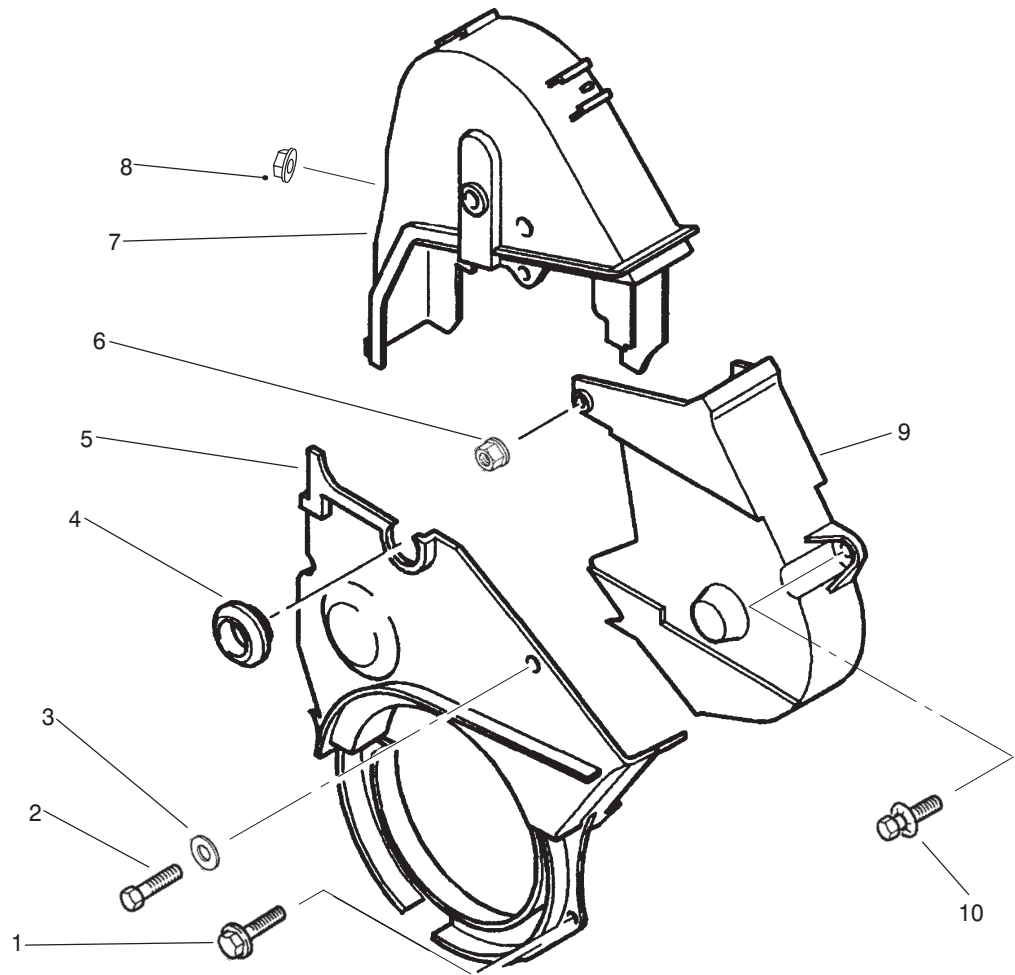
Sheet No.:6

T-2141-2

## Camshaft and Fan Support Assembly

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 1        | 98-9968  | 2    | Screw             |
| 2        | 77-3450  | 2    | Washer            |
| 3        | 77-3420  | 1    | Gasket            |
| 4        | 98-9967  | 1    | Key               |
| 5        | 77-3400  | 1    | Cam Shaft         |
| 6        | 94-3163  | 1    | Screw-HH          |
| 7        | 94-3166  | 1    | Washer-Plate      |
| 8        | 94-9994  | 1    | Gasket - Camshaft |
| 9        | 94-3162  | 1    | Stud              |
| 10       | 94-3164  | 4    | Washer-Spring     |
| 11       | 94-3159  | 1    | Tensioner         |
| 12       | 94-3165  | 1    | Nut-Hex           |
| 13       | 77-3520  | 1    | Cup               |
| 14       | 77-3510  | 1    | Spring            |
| 15       | 94-3160  | 1    | Roller            |
| 16       | 94-3161  | 2    | Screw-HH          |
| 17       | 94-3170  | 1    | Screw             |
| 18       | 74-8830  | 1    | Belt - Timing     |
| 19       | 94-3172  | 3    | Washer            |
| 20       | 94-3171  | 2    | Screw-HH          |
| 21       | 94-3168  | 1    | Pulley-Fan        |
| 22       | 94-3173  | 3    | Capscrew          |
| 23       | 76-5010  | 3    | Washer-Spring     |
| 24       | 94-3167  | 1    | Bracket-Fan       |
| 25       | 94-3169  | 1    | Screw             |
| 26       | 98-9966  | 1    | Gear - Camshaft   |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

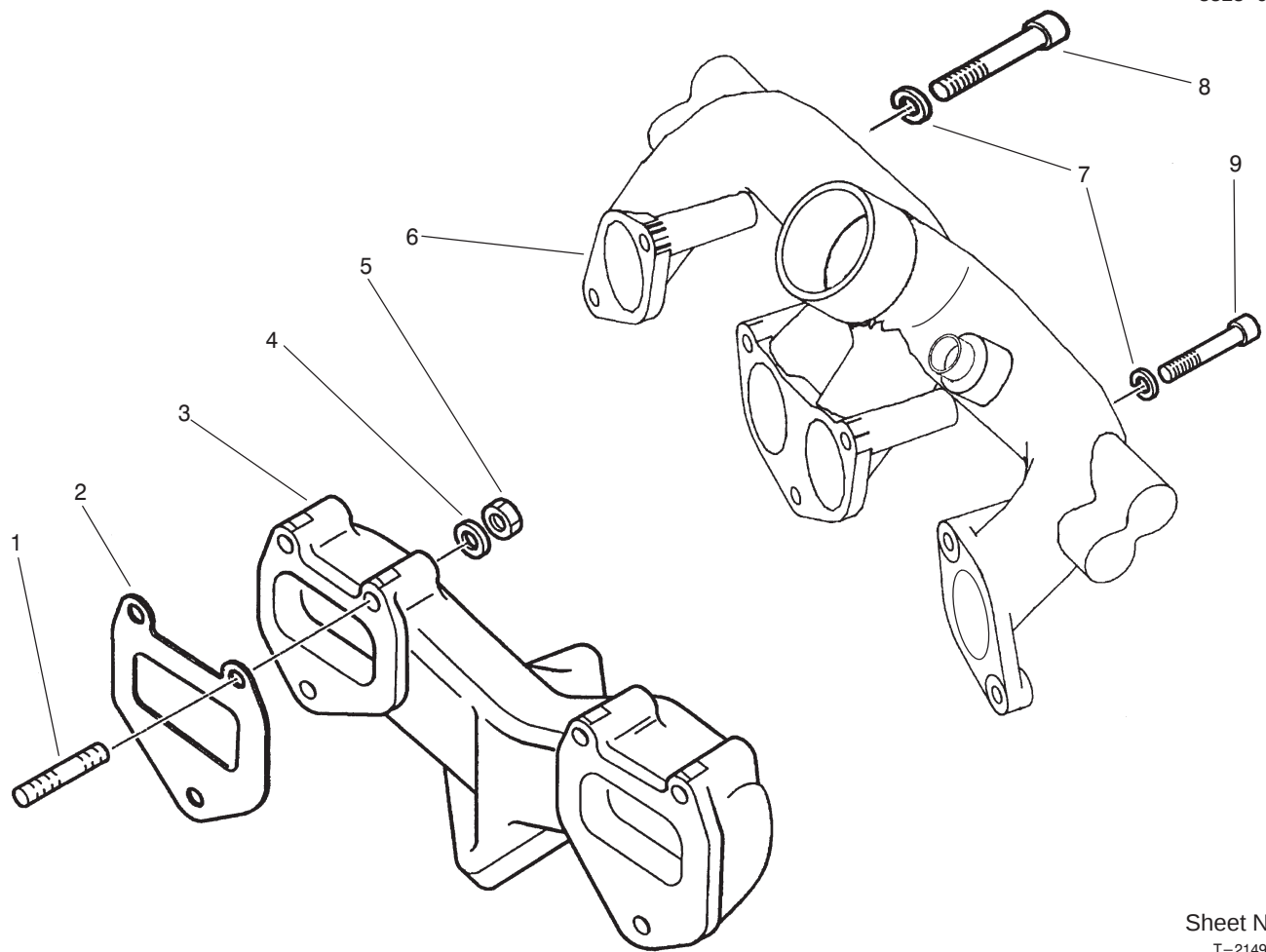


Sheet No.:7  
T-2140-1

Timing Cover Assembly

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 1        | 94-3132  | 2    | Screw-HHF         |
| 2        | 94-3130  | 1    | Screw-HH          |
| 3        | 94-3125  | 1    | Washer-Plate      |
| 4        | 94-3129  | 1    | Plug              |
| 5        | 94-3126  | 1    | Protector-Lower   |
| 6        | 94-3133  | 1    | Nut-w/Washer      |
| 7        | 94-3127  | 1    | Timing Case-Left  |
| 8        | 94-3134  | 1    | Nut               |
| 9        | 94-3128  | 1    | Timing Case Right |
| 10       | 94-3131  | 1    | Screw-HH          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |
|          |          |      |             |



Sheet No.:8

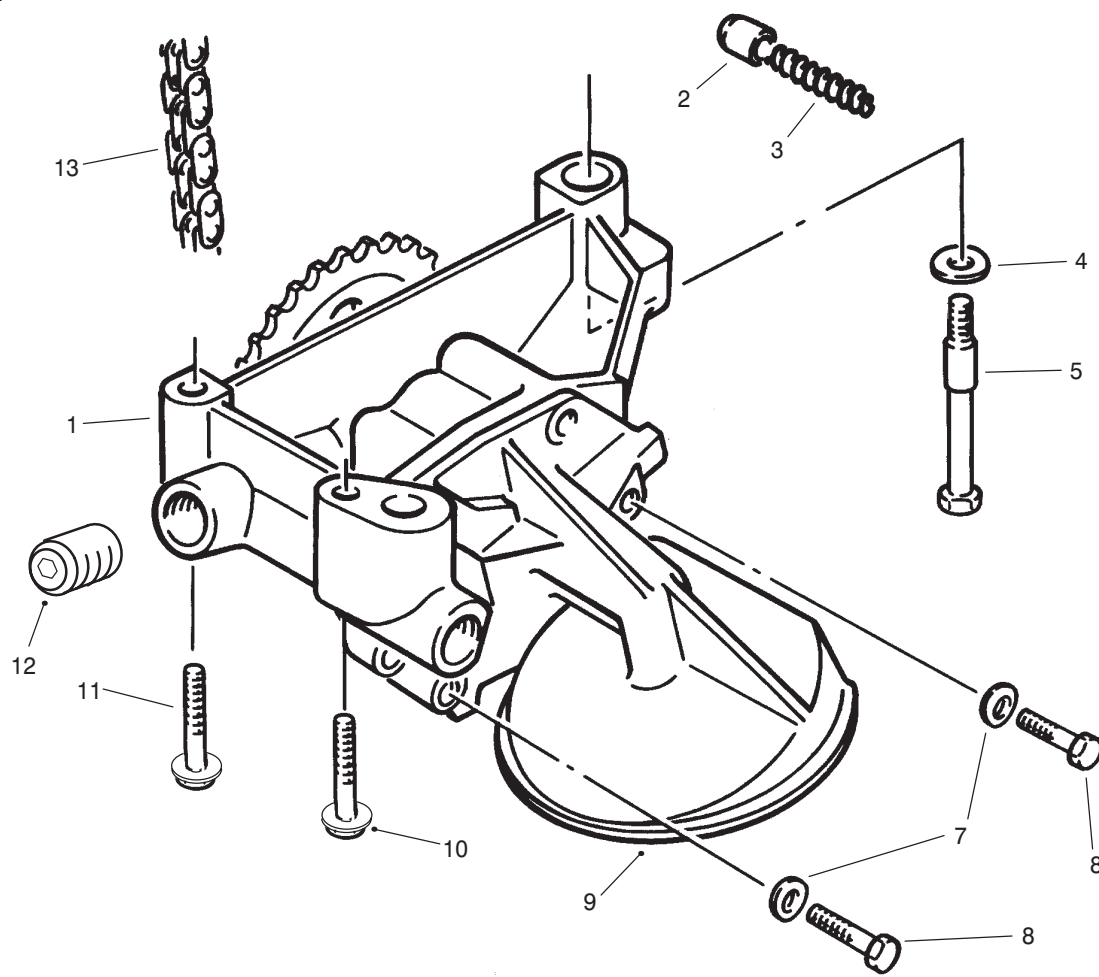
T-2149-2

## Intake and Exhaust Manifold Assembly

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 1        | 77-3300  | 6    | Stud                       |
| 2        | 77-3310  | 2    | Gasket                     |
| 3        | 77-3340  | 1    | Manifold – Exhaust         |
| 4        | 68-9420  | 6    | Washer-Lock                |
| 5        | 77-3320  | 6    | Nut – Hex                  |
| 6        | 94-3215  | 1    | Manifold-Intake            |
| 7        | 94-3164  | 7    | Washer-Spring              |
| 8        | 94-3216  | 5    | Capscrew                   |
| 9        | 94-3217  | 4    | Capscrew                   |
| 9        | 94-3218  | 1    | Screw                      |
| *11      | 94-2815  | 1    | Sleeve – Exhaust<br>Flange |
| *12      | 94-2814  | 1    | Kit – Exhaust Coupler      |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

\* Not illustrated

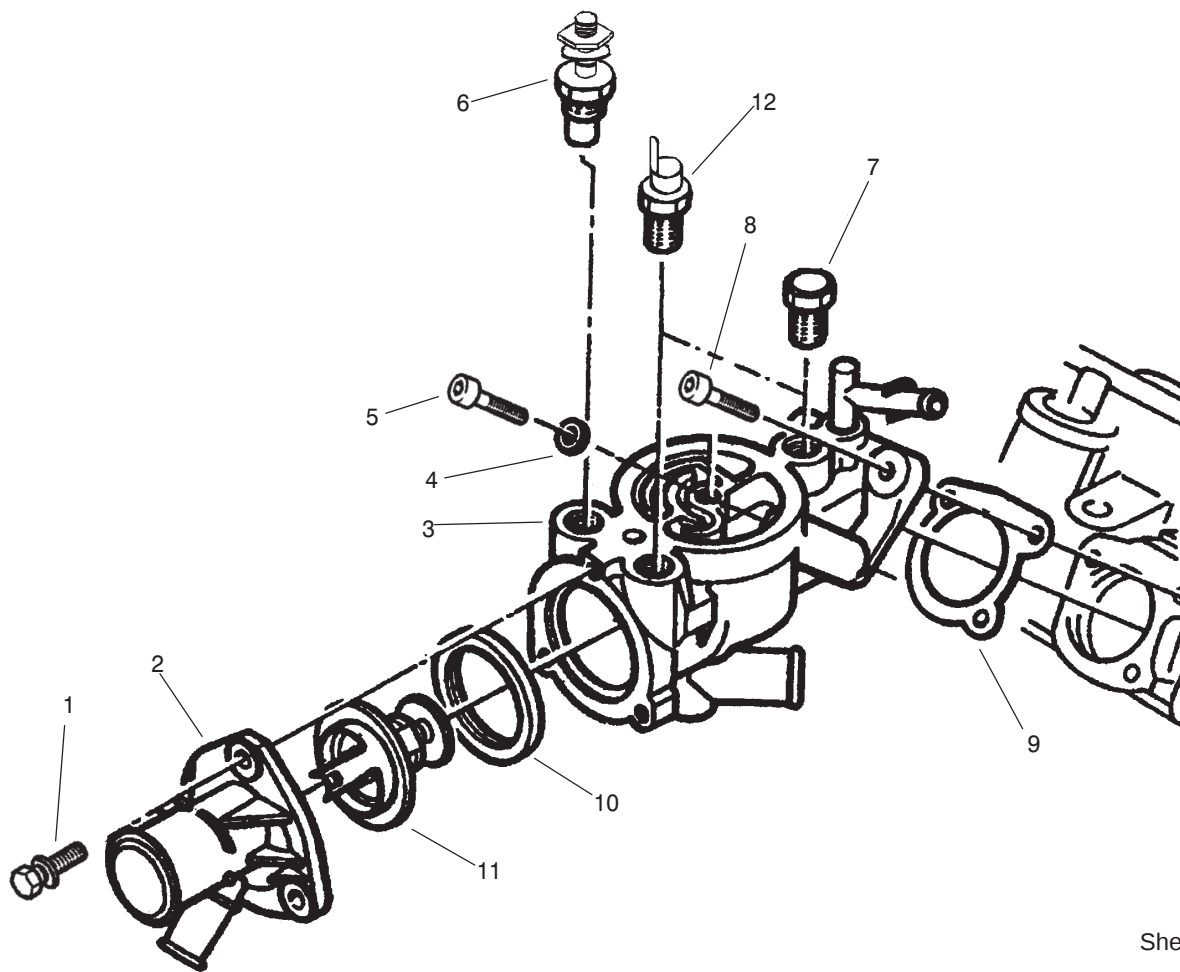


Sheet No.:9  
T-0964-1

## Oil Pump Assembly

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 1        | 76-5070  | 1    | Oil Pump ASM      |
| 2        | 94-3176  | 1    | Valve-Relief      |
| 3        | 76-5090  | 1    | Piston Spring     |
| 4        | 94-3179  | 3    | Washer-Spring     |
| 5        | 76-5100  | 1    | Bolt-Shoulder     |
| 6        | 76-5010  | 5    | Washer-Spring     |
| 7        | 94-3124  | 2    | Screw-HH          |
| 9        | 94-3178  | 1    | Strainer          |
| 10       | 77-3470  | 1    | Screw             |
| 11       | 77-3490  | 1    | Screw             |
| 12       | 94-3177  | 2    | Plug              |
| 13       | 76-5170  | 1    | Chain-Drive, Pump |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

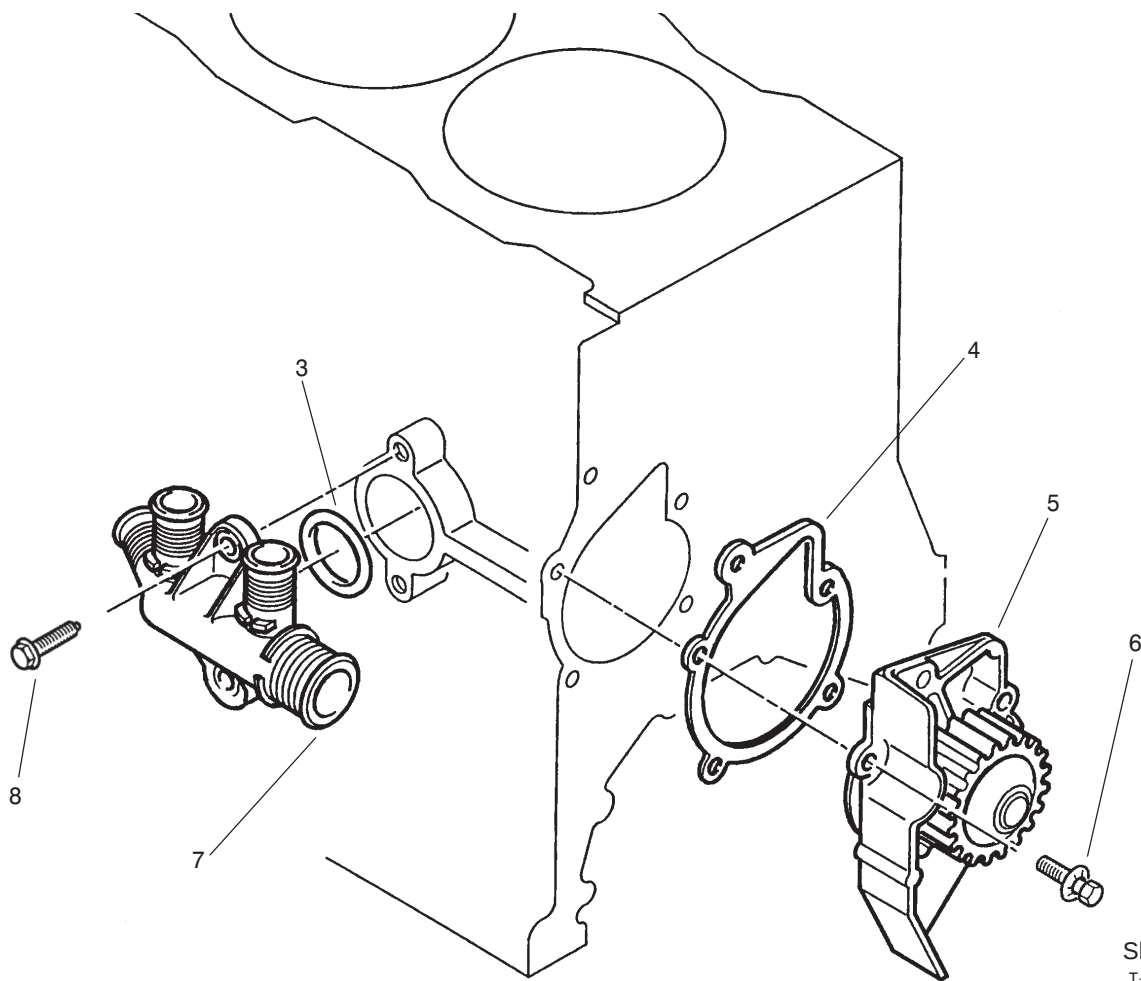


Sheet No.:10  
T-2143-1

## Collector Assembly

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 1        | 94-3131  | 3    | Screw-HH                   |
| 2        | 94-3208  | 1    | Outlet Stub                |
| 3        | 94-3205  | 1    | Outlet Box                 |
| 4        | 94-3207  | 1    | Ring                       |
| 5        | 94-3214  | 1    | Capscrew                   |
| 6        | 76-5380  | 1    | Temp Sending Unit          |
| 7        | 94-3212  | 1    | Plug                       |
| 8        | 94-3213  | 1    | Capscrew                   |
| 9        | 94-3206  | 1    | Gasket                     |
| 10       | 94-3210  | 1    | Gasket                     |
| 11       | 94-3209  | 1    | Thermostat                 |
| 12       | 76-5400  | 1    | Switch – Temp 105<br>DEG C |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



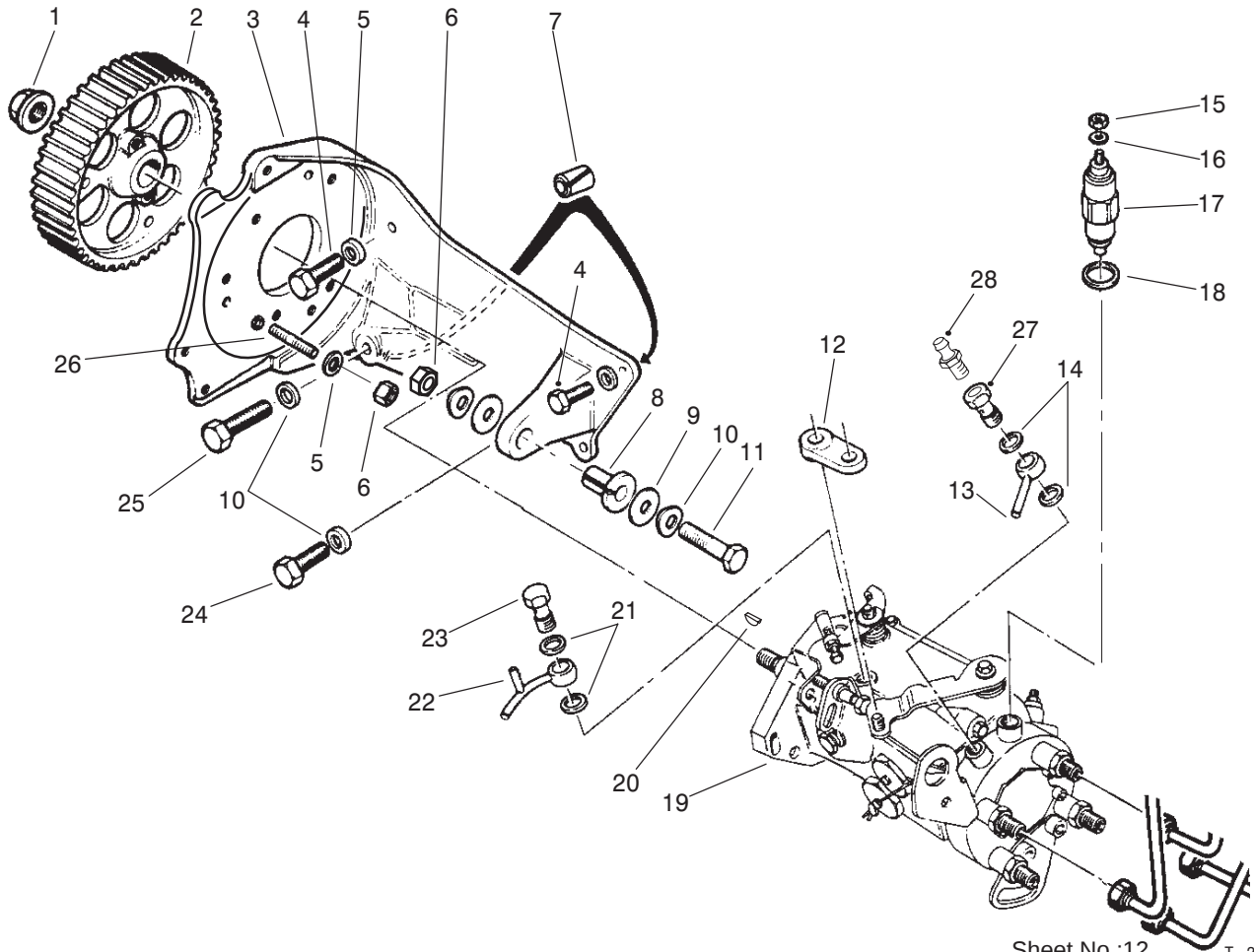
Sheet No.:11  
T-2144-1

# Water Pump Assembly

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 3        | 94-3197  | 1    | O-Ring            |
| 4        | 94-3195  | 1    | Gasket-Water Pump |
| 5        | 94-3194  | 1    | Cover-Water Pump  |
| 6        | 76-5500  | 5    | Capscrew Hex Hd   |
| 7        | 94-3196  | 1    | Water-Inlet       |
| 8        | 94-3198  | 2    | Screw-HHF         |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

\* Not illustrated

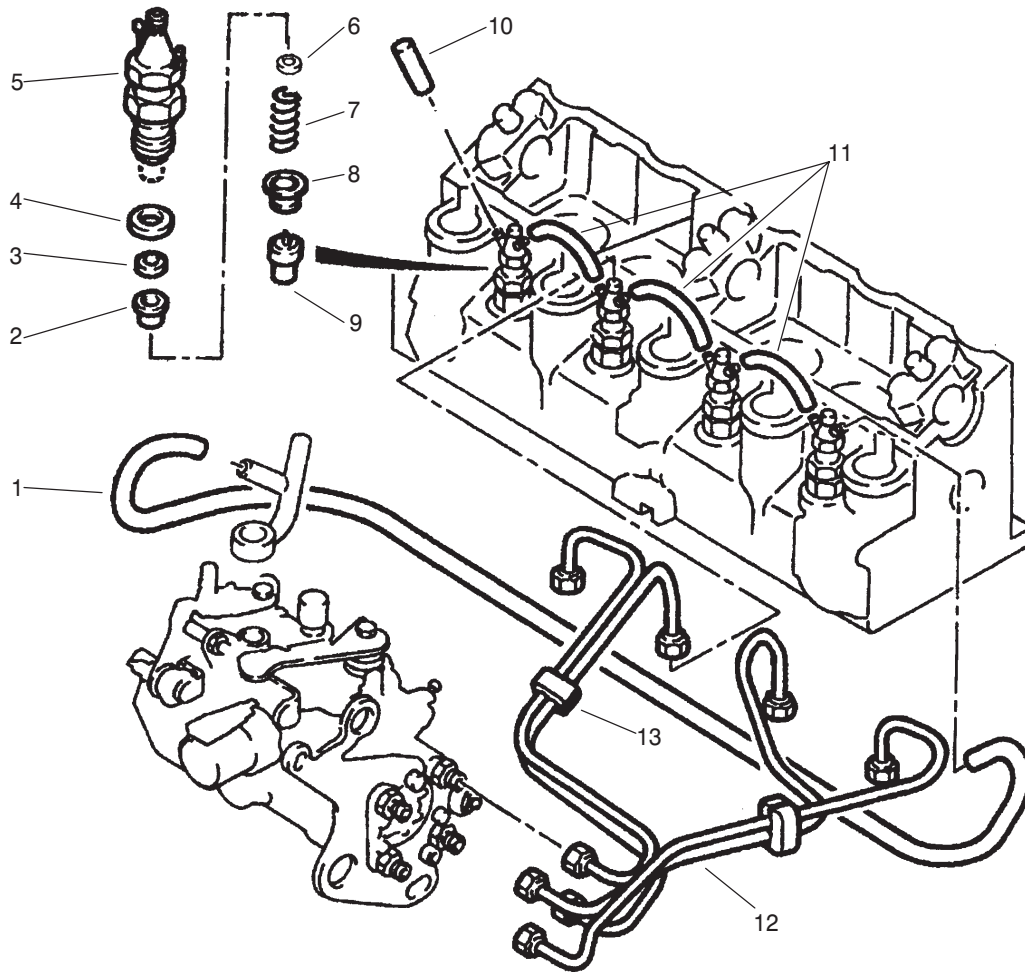


Sheet No.:12 T-2146-2

# Fuel Injection Pump Assembly

| Ref. No. | Part No. | Qty. | Description    |
|----------|----------|------|----------------|
| 1        | 76-4950  | 1    | Flange Nut     |
| 2        | 76-4940  | 1    | Pump Pulley    |
| 3        | 94-3220  | 1    | Bracket        |
| 4        | 94-3225  | 2    | Screw-HH       |
| 5        | 76-4930  | 3    | Washer         |
| 6        | 94-3165  | 4    | Nut-Hex        |
| 7        | 74-8610  | 2    | Spring Pin     |
| 8        | 74-8630  | 1    | Flange Bushing |
| 9        | 94-3224  | 2    | Washer-Plate   |
| 10       | 94-3164  | 6    | Washer-Spring  |
| 11       | 94-3221  | 1    | Screw-HH       |
| 12       | 74-8650  | 1    | Pacer          |
| 13       | 74-8670  | 1    | Fuel Inlet ASM |
| 14       | 74-8680  | 2    | Gasket         |
| 15       | 94-3251  | 1    | Nut-Lock       |
| 16       | 74-8710  | 1    | Washer         |
| 17       | 93-5856  | 1    | Solenoid Valve |
| 18       | 94-3274  | 1    | O-Ring         |
| 19       | 94-3219  | 1    | Pump-Injection |
| 20       | 94-3222  | 1    | Key            |
| 21       | 74-8870  | 2    | Gasket         |
| 22       | 94-3249  | 1    | Outlet Tube    |
| 23       | 94-3250  | 1    | Screw          |
| 24       | 94-3161  | 1    | Screw-HH       |
| 25       | 94-3223  | 1    | Screw-HH       |
| 26       | 76-4910  | 3    | Stud           |

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 27       | 94-9969  | 1    | Screw - Connection |
| 28       | 94-9970  | 1    | Screw - Purge      |



Sheet No.:13

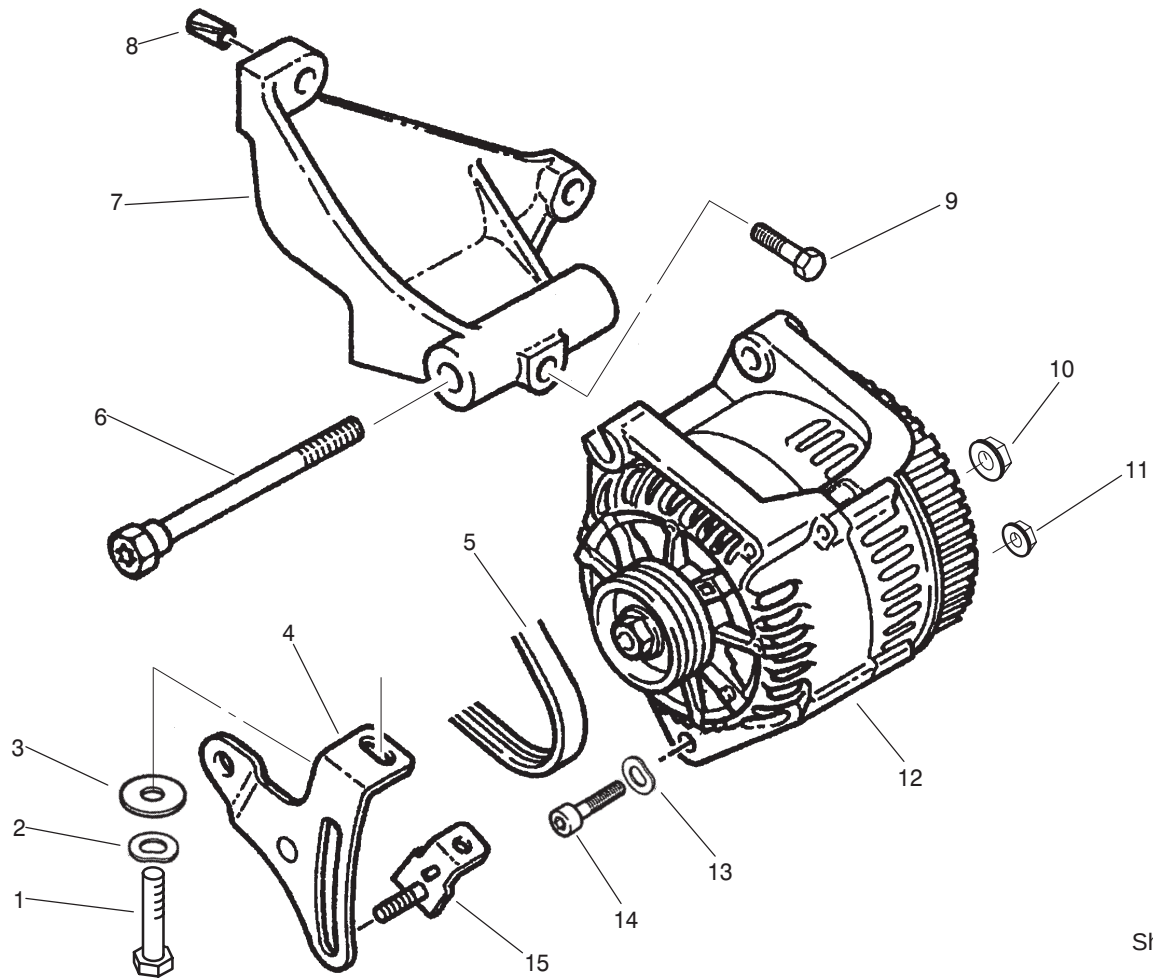
T-2145-1

## Fuel Injector Assembly

| Ref. No. | Part No. | Qty. | Description               |
|----------|----------|------|---------------------------|
| 1        | 94-3230  | 1    | Hose – Injection          |
| 2        | 76-5540  | 4    | Injector Bushing          |
| 3        | 76-5530  | 4    | Washer                    |
| 4        | 94-3226  | 4    | Gasket–Injector           |
| 5        | 76-5520  | 4    | Fuel Injector Holder      |
| 6        | 94-3232  | 4    | Washer–Calibration (.79)  |
| 6        | 94-3233  | 4    | Washer–Calibration (.82)  |
| 6        | 94-3234  | 4    | Washer–Calibration (.85)  |
| 6        | 94-3235  | 4    | Washer–Calibration (.88)  |
| 6        | 94-3236  | 4    | Washer–Calibration (.91)  |
| 6        | 94-3237  | 4    | Washer–Calibration (.94)  |
| 6        | 94-3238  | 4    | Washer–Calibration (.97)  |
| 6        | 94-3239  | 4    | Washer–Calibration (1.0)  |
| 6        | 94-3240  | 4    | Washer–Calibration (1.03) |
| 6        | 94-3241  | 4    | Washer–Calibration (1.06) |

| Ref. No. | Part No. | Qty. | Description               |
|----------|----------|------|---------------------------|
| 6        | 94-3242  | 4    | Washer–Calibration (1.30) |
| 6        | 94-3243  | 4    | Washer–Calibration (1.33) |
| 6        | 94-3244  | 4    | Washer–Calibration (1.36) |
| 6        | 94-3245  | 4    | Washer–Calibration (1.39) |
| 6        | 94-3246  | 4    | Washer–Calibration (1.42) |
| 6        | 94-3247  | 4    | Washer–Calibration (1.45) |
| 6        | 94-3248  | 4    | Washer–Calibration (1.48) |
| 7        | 94-3228  | 4    | Spring                    |
| 8        | 94-3227  | 4    | Spacer                    |
| 9        | 94-8147  | 4    | Nozzle – Injector         |
| 10       | 74-8770  | 1    | Plug                      |
| 11       | 94-3229  | 3    | Hose – Injector           |
| 12       | 74-8750  | 1    | Injection Tube Set        |
| 13       | 94-3231  | 2    | Bracket                   |
| *14      | 76-5600  | 4    | Fuel Injector ASM         |

\* Not illustrated



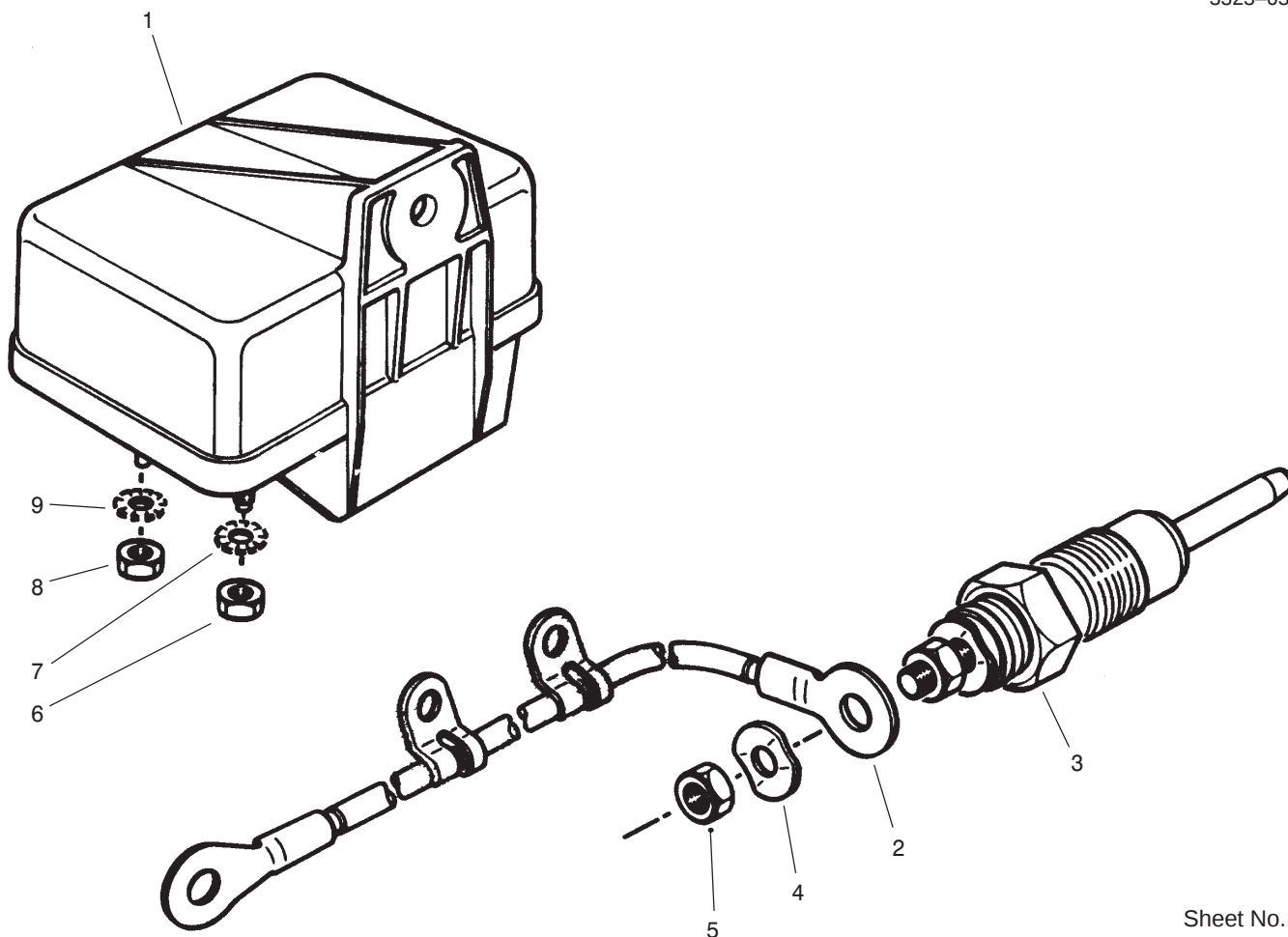
Sheet No.:14  
T-2147-1

## Alternator Assembly

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 1        | 76-5060  | 1    | Screw-HH           |
| 2        | 76-5010  | 1    | Washer-Spring      |
| 3        | 94-3260  | 1    | Washer-Flat        |
| 4        | 94-3255  | 1    | Slide              |
| 5        | 94-3256  | 1    | Belt               |
| 6        | 94-3254  | 1    | Screw              |
| 7        | 94-3253  | 1    | Bracket-Alternator |
| 8        | 74-8610  | 2    | Spring Pin         |
| 9        | 76-5000  | 1    | Adj Bolt           |
| 10       | 94-3262  | 1    | Nut-HHF            |
| 11       | 94-3261  | 1    | Nut-HHF            |
| 12       | 94-3252  | 1    | Alternator         |
| 13       | 94-3257  | 1    | Washer-Spring      |
| 14       | 94-3258  | 1    | Capscrew           |
| 15       | 76-4990  | 1    | Bolt-Slide         |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |





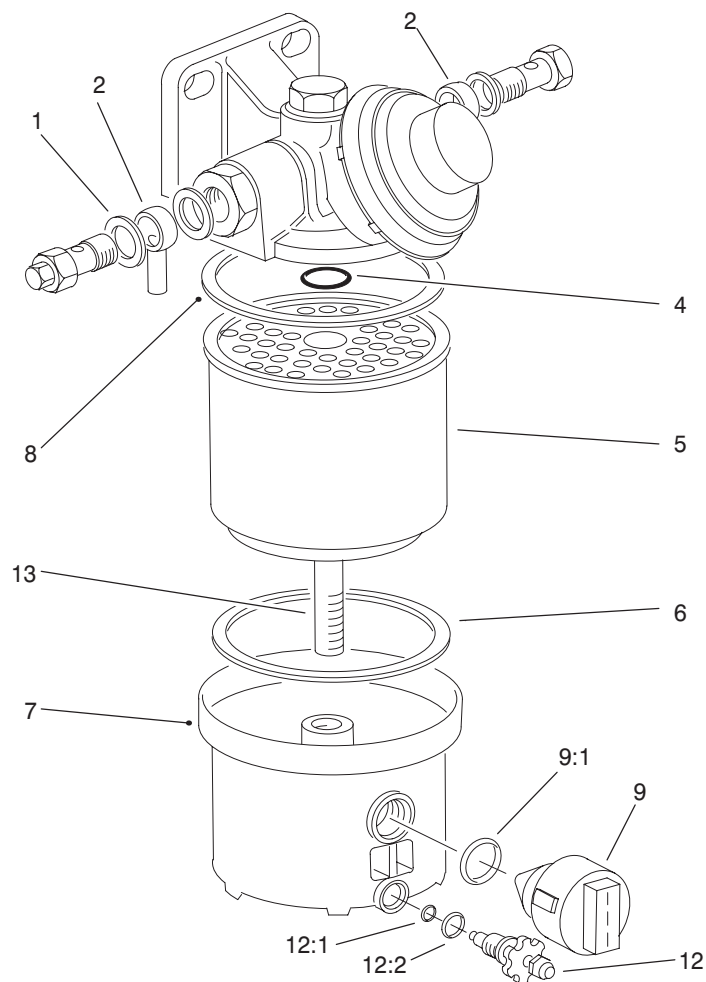
Sheet No.:16

T-0972-1

## Glow Plug and Glow Relay

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 76-5260  | 1    | Relay-Glow Plug     |
| 2        | 94-3265  | 4    | Glow Plug Cable ASM |
| 3        | 94-3264  | 4    | Plug-Glow           |
| 4        | 76-5290  | 4    | Spring Washer       |
| 5        | 94-3266  | 4    | Nut                 |
| 6        | 94-3267  | 1    | Nut-Lock            |
| 7        | 76-5310  | 1    | Washer              |
| 8        | 94-3251  | 1    | Nut-Lock            |
| 9        | 74-8710  | 1    | Washer              |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



5 — 4, 6 & 8

**Parts not listed in  
partlist are not  
serviced separately.**

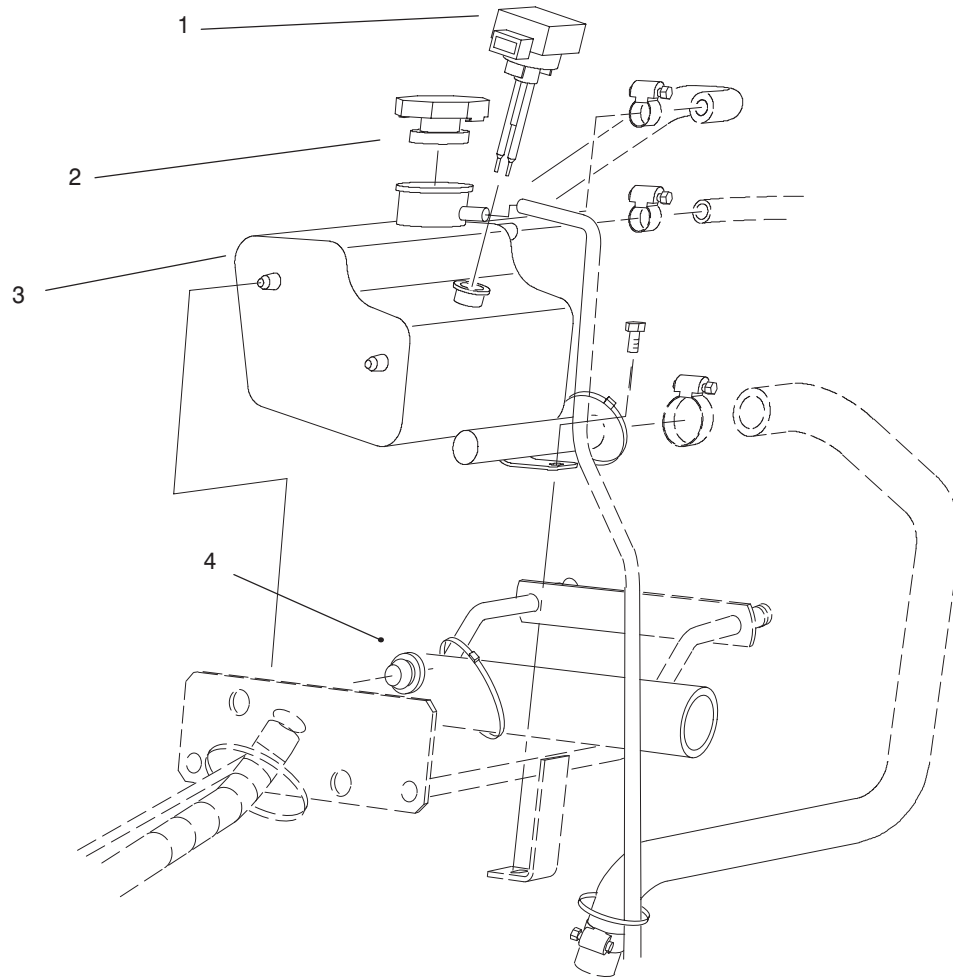
Sheet No.:17

T-0966-2

# Fuel Filter Assembly # 76-5300

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 1        | 76-5180  | 4    | Copper Washer      |
| 2        | 76-5190  | 2    | Fitting-Adj.       |
| 5        | 76-5220  | 1    | Filter Element     |
| 9        | 76-5320  | 1    | Probe-Water Sensor |
| 9:1      | 94-8025  | 1    | O-Ring             |
| 12       | 94-8026  | 1    | Screw - Vent       |
| 12:1     | 94-8027  | 1    | O-Ring             |
| 12:2     | 94-8028  | 1    | O-Ring             |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



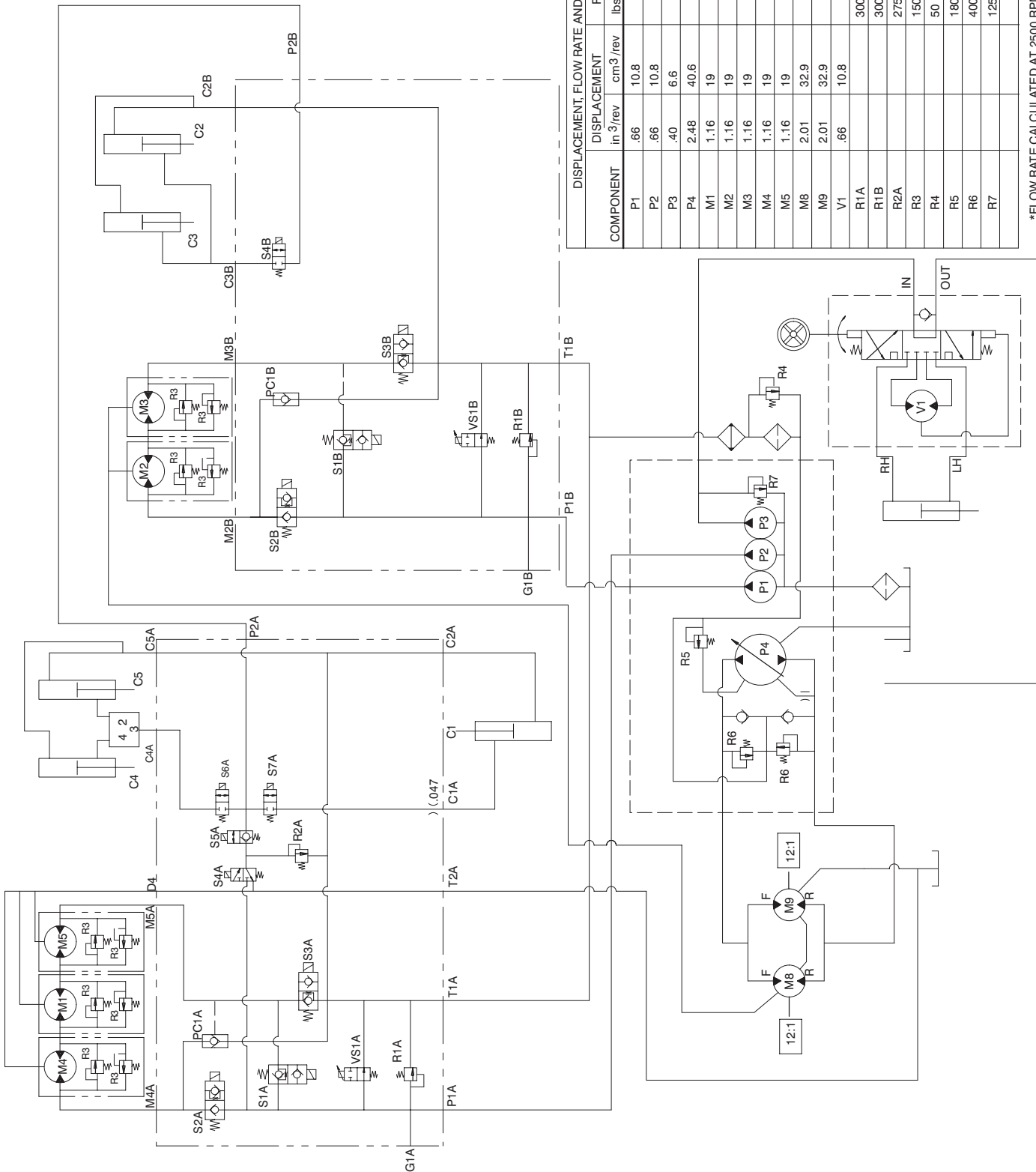
Sheet No.:18

T-3508

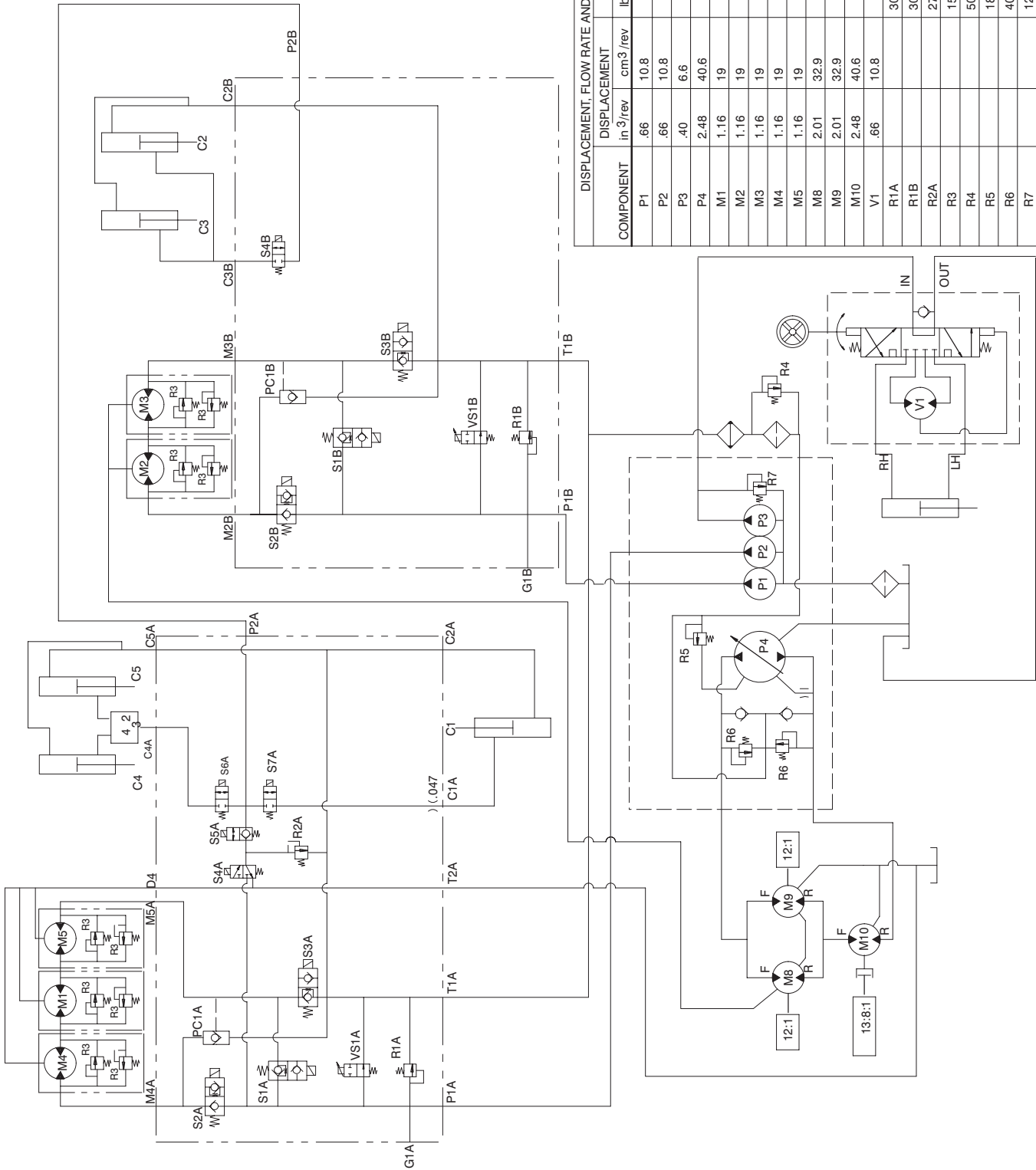
## Degassing Box Assembly

[illegible]

# Hydraulic Schematic (Model 03803)



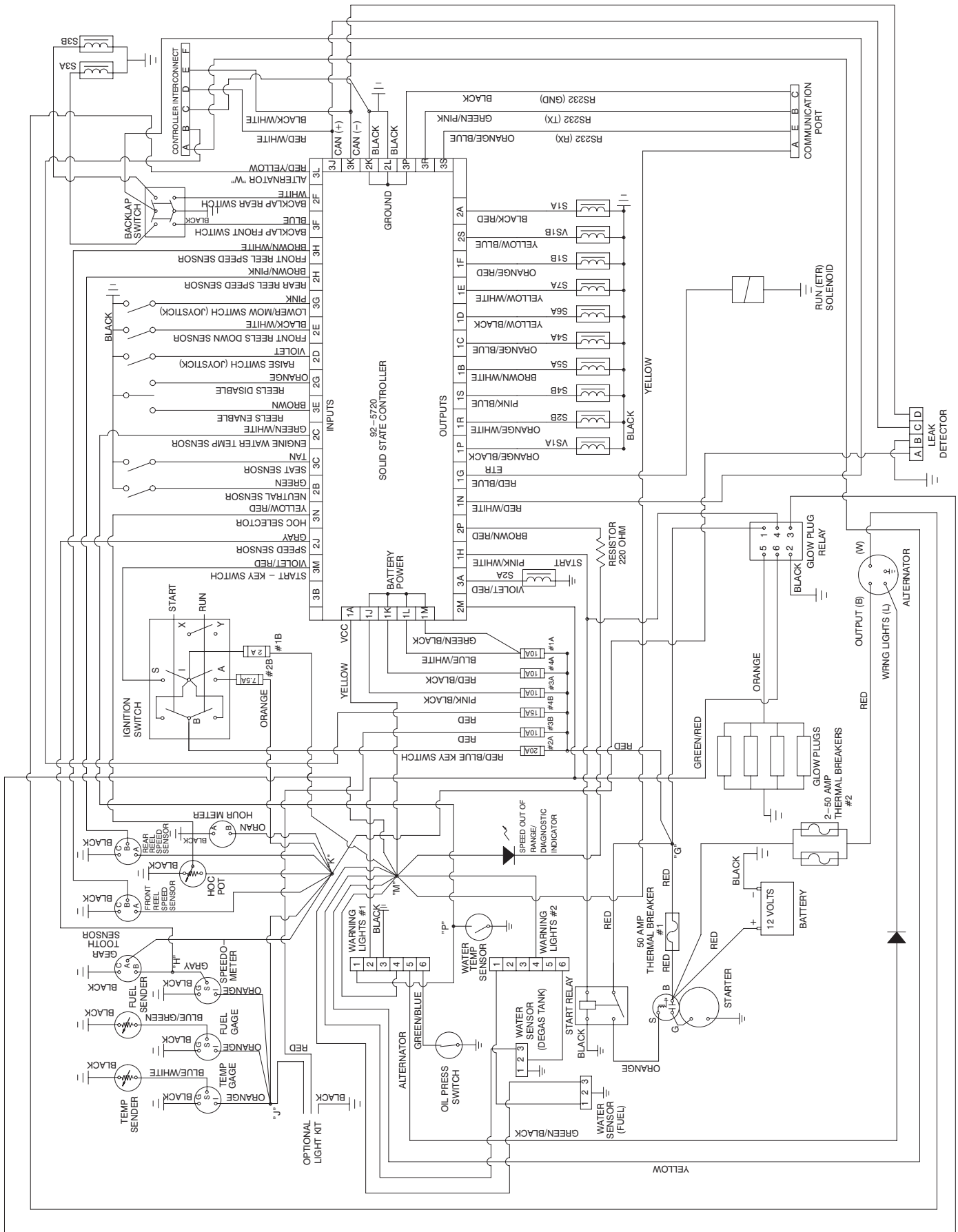
# Hydraulic Schematic (Model 03804)

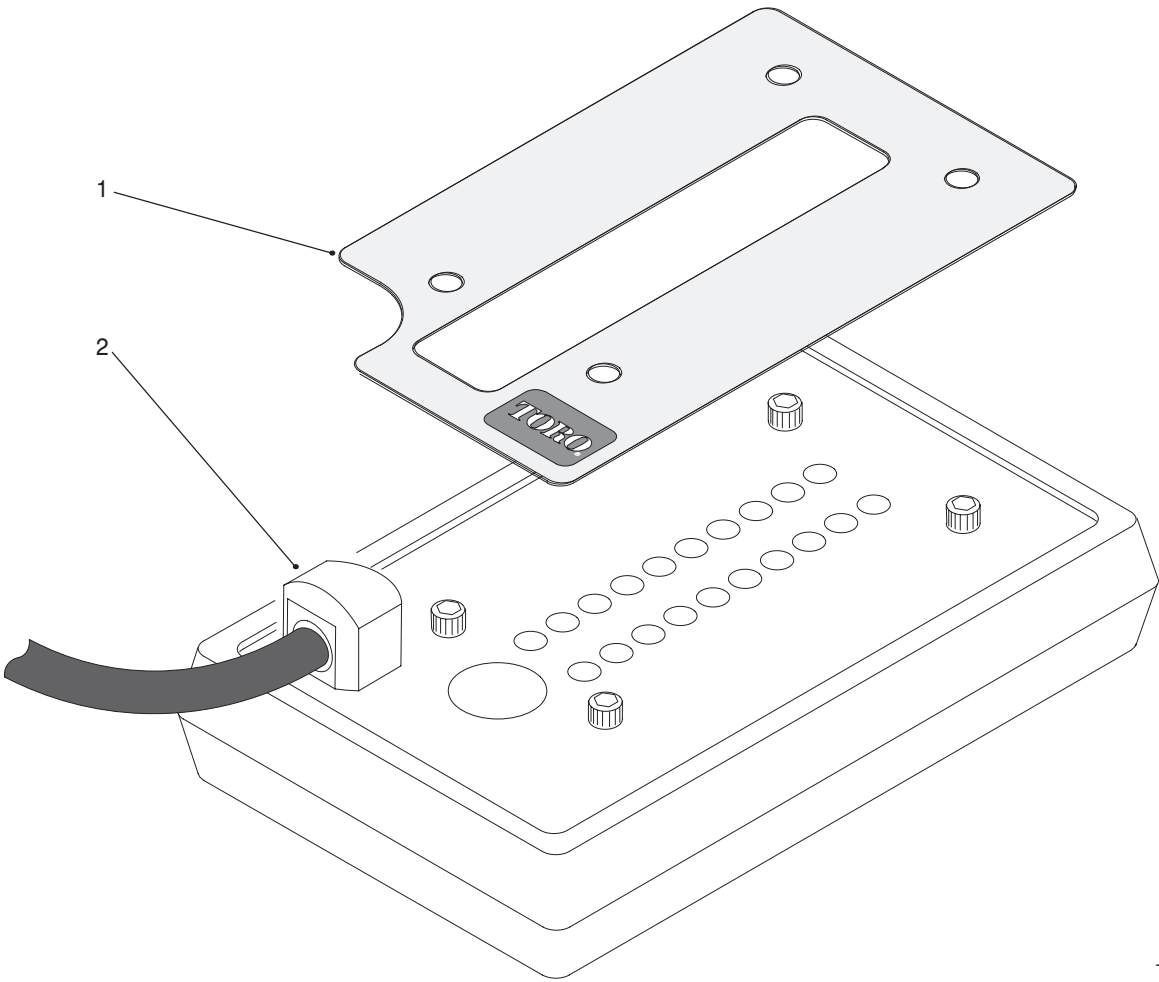


| DISPLACEMENT, FLOW RATE AND PRESSURE CHART |                          |                      |                  |            |      |
|--------------------------------------------|--------------------------|----------------------|------------------|------------|------|
| COMPONENT                                  | DISPLACEMENT<br>in 3/rev | PRESSURE<br>lbs/in 2 | PRESSURE<br>BARS | *FLOW RATE |      |
|                                            |                          |                      |                  | GPM        | LPM  |
| P1                                         | .66                      | 10.8                 |                  | 7.0        | 26.5 |
| P2                                         | .66                      | 10.8                 |                  | 7.0        | 26.5 |
| P3                                         | .40                      | 6.6                  |                  | 4.2        | 15.9 |
| P4                                         | 2.48                     | 40.6                 |                  | 26.3       | 99.5 |
| M1                                         | 1.16                     | 19                   |                  |            |      |
| M2                                         | 1.16                     | 19                   |                  |            |      |
| M3                                         | 1.16                     | 19                   |                  |            |      |
| M4                                         | 1.16                     | 19                   |                  |            |      |
| M5                                         | 1.16                     | 19                   |                  |            |      |
| M6                                         | 2.01                     | 32.9                 |                  |            |      |
| M7                                         | 2.01                     | 32.9                 |                  |            |      |
| M8                                         | 2.48                     | 40.6                 |                  |            |      |
| M9                                         | .66                      | 10.8                 |                  |            |      |
| M10                                        | .66                      | 10.8                 |                  |            |      |
| V1                                         |                          |                      |                  |            |      |
| R1A                                        |                          | 3000                 | 207              |            |      |
| R1B                                        |                          | 3000                 | 207              |            |      |
| R2A                                        |                          | 2750                 | 190              |            |      |
| R3                                         |                          | 1500                 | 103              |            |      |
| R4                                         |                          | 50                   | 3                |            |      |
| R5                                         |                          | 180                  | 12               |            |      |
| R6                                         |                          | 4000                 | 276              |            |      |
| R7                                         |                          | 1250                 | 86               |            |      |

\*FLOW RATE CALCULATED AT 2500 RPM AND 98% EFFICIENCY.

# Electrical Schematic



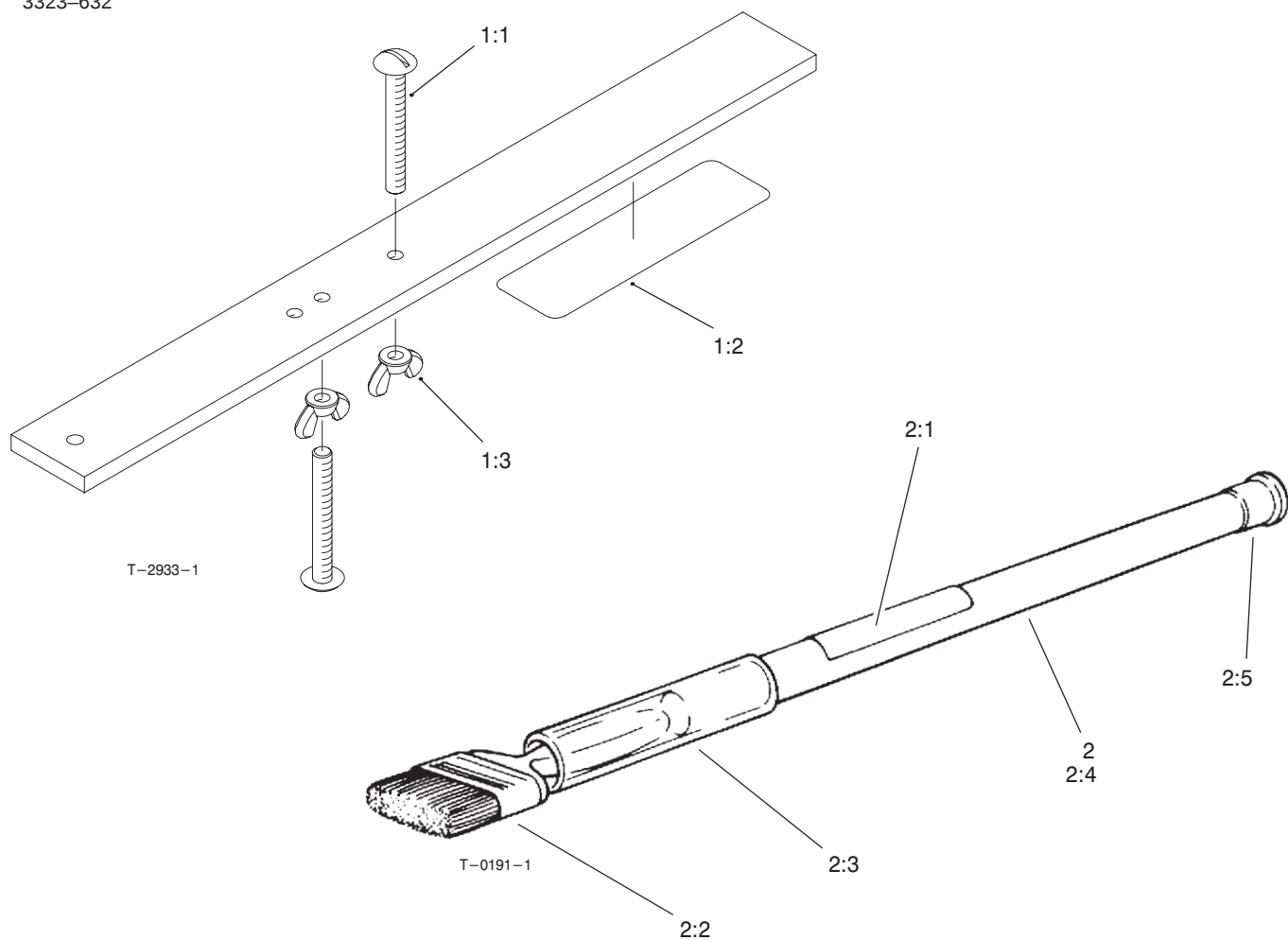


T-1458-1

Diagnostic ACE Display Assembly

| Ref. No. | Part No. | Qty. | Description                   |
|----------|----------|------|-------------------------------|
| 1        | 99-8993  | 1    | Decal-Diagonstic              |
| 1        | 99-8985  | 1    | Decal-Diagonstic (Danish)     |
| 1        | 99-8986  | 1    | Decal-Diagonstic (Dutch)      |
| 1        | 99-8987  | 1    | Decal-Diagonstic (Finnish)    |
| 1        | 99-8988  | 1    | Decal-Diagonstic (French)     |
| 1        | 99-8989  | 1    | Decal-Diagonstic (German)     |
| 1        | 99-8990  | 1    | Decal-Diagonstic (Italian)    |
| 1        | 99-8991  | 1    | Decal-Diagonstic (Norwegian)  |
| 1        | 99-8992  | 1    | Decal-Diagonstic (Portuguese) |
| 1        | 99-8993  | 1    | Decal-Diagonstic (Spanish)    |
| 1        | 99-8994  | 1    | Decal-Diagonstic (Swedish)    |
| 1        | 99-8984  | 1    | Decal-Diagonstic (Japan)      |
| 2        | 85-4750  | 1    | Display-Diagnostic ACE        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



## Gauge Bar and Backlapping Brush Assembly

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
| 1        | 98-1852  | 1    | Gauge Bar ASM            |
| 1:1      | 32122-54 | 2    | Screw                    |
| 1:2      | 98-7976  | 1    | Decal                    |
| 1:3      | 32103-3  | 2    | Nut-Wing                 |
| 2        | 29-9100  | 1    | Backlapping Brush<br>ASM |
| 2:1      | 12-9140  | 1    | Decal                    |
| 2:2      | 36-4310  | 1    | Brush                    |
| 2:3      | 29-9090  | 1    | Hose-Handle              |
| 2:4      | 29-9080  | 1    | Handle                   |
| 2:5      | 2410-18  | 1    | Plug                     |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



[illegible]



