



**Count on it.**

Form No. 3366-308 Rev C

# Parts Catalog

## Groundsmaster® 4700-D Traction Unit

Model No. 30858—Serial No. 310000501 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

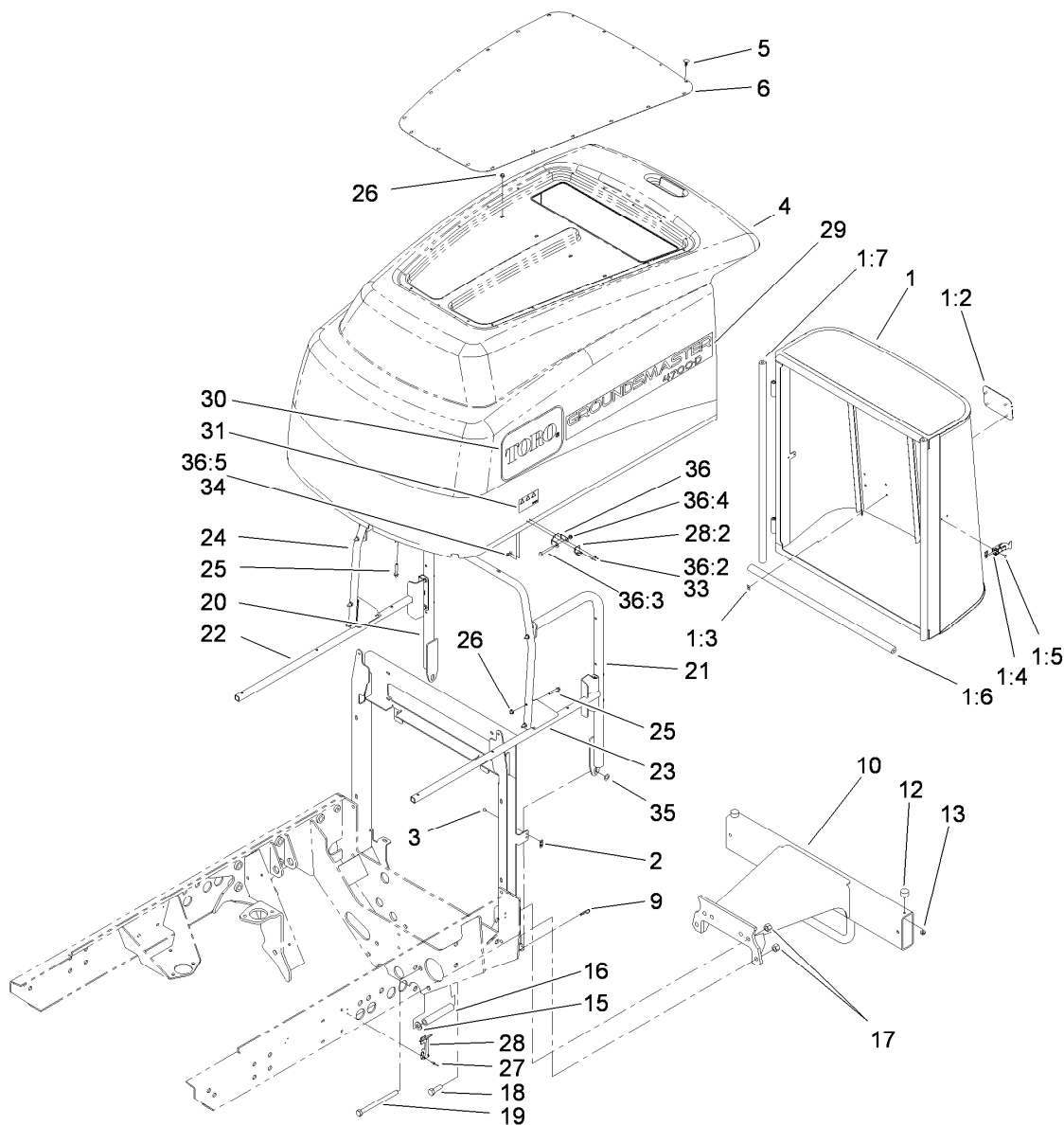
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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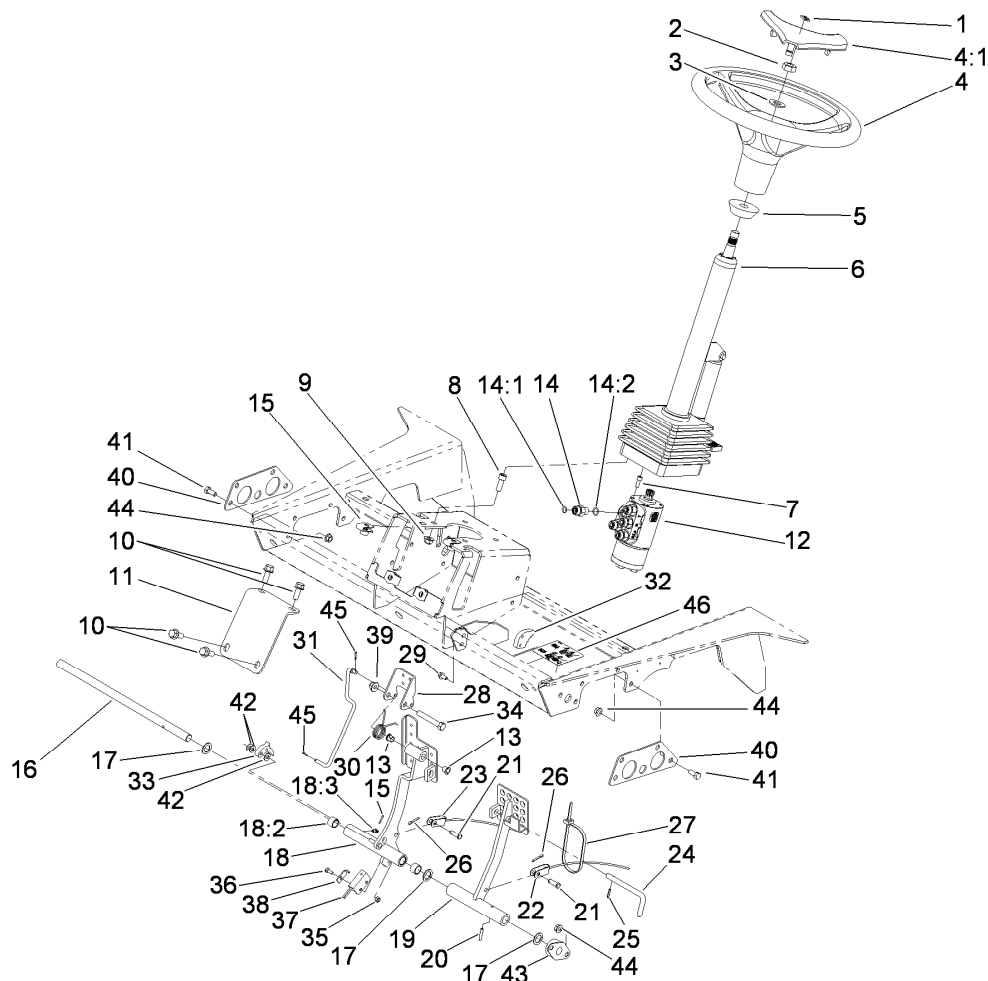
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## Hood, Screen and Bumper Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 115-4362    | 1    | Screen ASM       |
| 1:2  | 93-6028     | 1    | Plate-Logo       |
| 1:3  | 94-2638     | 4    | Nut-Flat         |
| 1:4  | 114-8117    | 1    | Latch-Adjustable |
| 1:5  | 3269-3      | 2    | Rivet-Pop        |
| 1:6  | 115-4358    | 2    | Seal-Bulb        |
| 1:7  | 115-4359    | 2    | Seal-Bulb        |
| 2    | 115-4357    | 1    | Latch-Keeper     |
| 3    | 3269-3      | 2    | Rivet-Pop        |
| 4    | 117-4767    | 1    | Hood ASM         |
| 5    | 117-2382    | 20   | Plug-Plastic     |
| 6    | 114-4192-03 | 1    | Screen-Hood      |
| 9    | 3290-467    | 2    | Pin-Hair         |
| 10   | 105-9221-03 | 1    | Bumper-Rear      |
| 12   | 240-14      | 2    | Bumper-Rubber    |
| 13   | 32128-33    | 2    | Nut-HF           |
| 15   | 3256-26     | 2    | Washer-Flat      |
| 16   | 76-8350     | 2    | Stop-Axle        |
| 17   | 3296-23     | 4    | Nut-Lock, NI     |
| 18   | 325-6       | 2    | Screw-HH         |
| 19   | 325-33      | 2    | Screw-HH         |

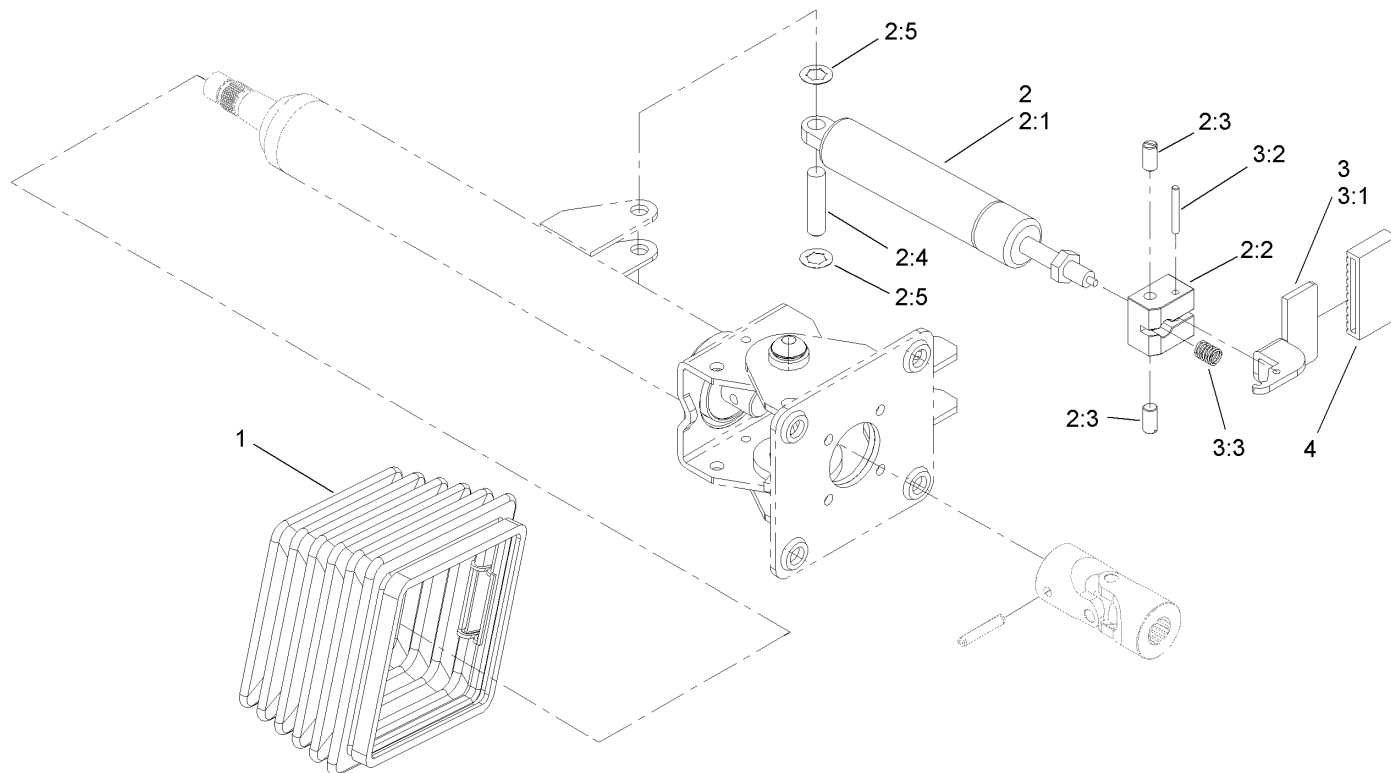
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 20   | 114-8108-03 | 1    | Tube-RH             |
| 21   | 114-8109-03 | 1    | Tube-LH             |
| 22   | 117-2358-03 | 1    | Tube-Hood, RH       |
| 23   | 114-8102-03 | 1    | Tube                |
| 24   | 115-9118-03 | 1    | Tube-Frame, Hood    |
| 25   | 94-5781     | 26   | Screw-HHF           |
| 26   | 104-7201    | 26   | Nut-HF              |
| 27   | 3290-55     | 4    | Rivet-Pop           |
| 28   | 59-9740     | 2    | Flex Draw Latch ASM |
| 28:2 | 249-40      | 1    | Keeper              |
| 29   | 105-9876    | 2    | Decal               |
| 30   | 66-1210     | 2    | Decal               |
| 31   | 106-6754    | 2    | Decal-Danger        |
| 33   | 3269-17     | 4    | Rivet-Pop           |
| 34   | 3269-10     | 4    | Washer-Back         |
| 35   | 98-1629     | 2    | Washer              |
| 36   | 119-2004    | 1    | CE Latch Kit        |
| 36:2 | 107-0333    | 2    | Rivet-Pop           |
| 36:3 | 322-10      | 1    | Screw-HH            |
| 36:4 | 3296-47     | 1    | Nut-Lock, NI        |
| 36:5 | 3269-10     | 2    | Washer-Back         |



## Steering Tower and Brake Pedal Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 98-1459     | 1    | Decal                    |
| 2    | 3296-33     | 1    | Nut-Lock, NI             |
| 3    | 3256-27     | 1    | Washer-Flat              |
| 4    | 98-1471     | 1    | Wheel-Steering           |
| 4:1  | 98-1468     | 1    | Cover-Wheel, Steering    |
| 5    | 93-5429     | 1    | Collar-Foam              |
| 6    | 106-3622    | 1    | Steering Tilt Column ASM |
| 7    | 105-2409    | 4    | Screw-HSH                |
| 8    | 3274-7      | 4    | Screw-HSH                |
| 9    | 104-8301    | 4    | Nut-HF, NI               |
| 10   | 3234-11     | 4    | Screw-HHF                |
| 11   | 115-4379-01 | 1    | Brace-Column             |
| 12   | 114-8119    | 1    | Steering Valve ASM       |
| 13   | 52-2891     | 2    | Bushing-Flanged, Nylon   |
| 14   | 340-2       | 5    | Fitting-Straight         |
| 14:1 | 237-22      | 1    | O-Ring                   |
| 14:2 | 237-42      | 1    | O-Ring                   |
| 15   | 112-4576    | 4    | Nut-Clip, U              |
| 16   | 75-1470     | 1    | Pin-Pivot, Brake         |
| 17   | 3256-69     | 3    | Washer-Flat              |
| 18   | 119-0005    | 1    | RH Brake Pedal ASM       |
| 18:2 | 256-42      | 2    | Bushing                  |
| 18:3 | 302-5       | 1    | Fitting-Grease           |
| 19   | 115-4421-03 | 1    | Pedal-Brake, LH          |
| 20   | 32121-16    | 1    | Pin-Spring               |
| 21   | 283-58      | 2    | Pin-Clevis               |

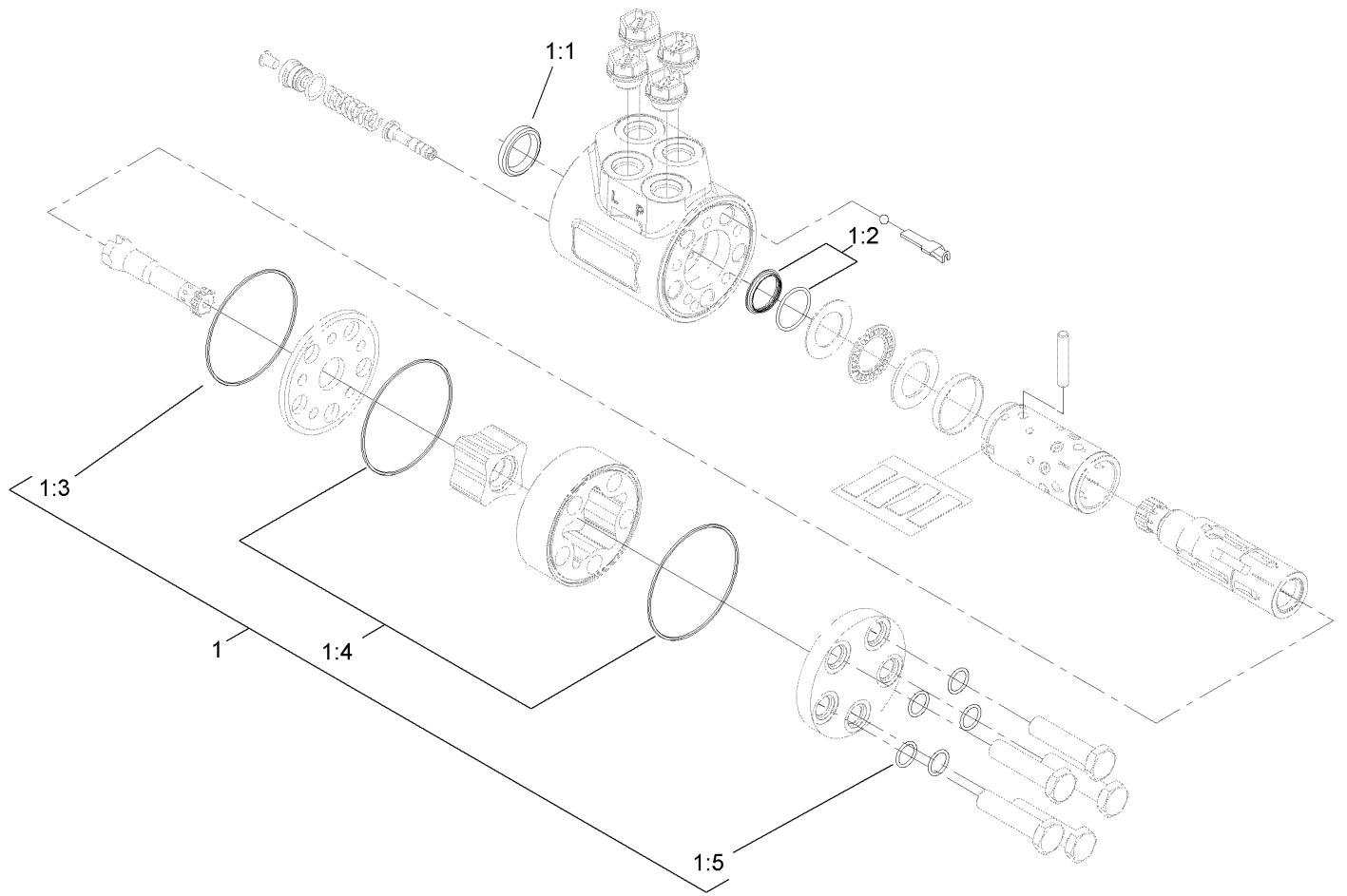
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 22   | 92-7530     | 1    | Cable-Brake, LH          |
| 23   | 92-7529     | 1    | Cable-Brake, RH          |
| 24   | 63-7880     | 1    | Pin-Latch, Brake         |
| 25   | 32121-50    | 1    | Pin-Spring               |
| 26   | 3272-10     | 2    | Pin-Cotter               |
| 27   | 3290-378    | 1    | Tie-Cable                |
| 28   | 99-7963-03  | 1    | Pedal-Park               |
| 29   | 3234-13     | 2    | Screw-HHF                |
| 30   | 99-7140     | 1    | Spring-Torsion           |
| 31   | 115-4417    | 1    | Rod-Brake Pawl           |
| 32   | 119-0002    | 1    | Pawl-Brake               |
| 33   | 115-1576    | 1    | Detent-Brake             |
| 34   | 323-12      | 1    | Screw-HH                 |
| 35   | 3296-2      | 1    | Nut-Lock, NI             |
| 36   | 3229-34     | 1    | Screw-CARR               |
| 37   | 100-1270    | 1    | Switch-Proximity         |
| 38   | 100-4872    | 1    | Plate-Switch, Neutral    |
| 39   | 104-8301    | 1    | Nut-HF, NI               |
| 40   | 106-7794-01 | 2    | Plate-Mount, HYD Fitting |
| 41   | 322-3       | 10   | Screw-HH                 |
| 42   | 3256-22     | 3    | Washer-Flat              |
| 43   | 256-236     | 2    | Bearing-Mount, Flange    |
| 44   | 32128-20    | 10   | Nut-HF                   |
| 45   | 3272-5      | 3    | Pin-Cotter               |
| 46   | 117-4763    | 1    | Decal-Brake              |



## Steering Tilt Column Assembly No. 106-3622

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-6462    | 1    | Bellows-Rubber       |
| 2    | 110-6463    | 1    | Cylinder Service Kit |
| 2:1  |             | 1    | Cylinder-Gas ●       |
| 2:2  |             | 1    | Block-Pedal ●        |
| 2:3  |             | 2    | Bolt ●               |
| 2:4  |             | 1    | Pin ●                |
| 2:5  |             | 2    | Washer-Lock ●        |
| 3    | 110-6464    | 1    | Pedal Service Kit    |
| 3:1  |             | 1    | Pedal ●              |
| 3:2  |             | 1    | Pin ●                |
| 3:3  |             | 1    | Spring ●             |
| 4    | 110-6465    | 1    | Cover-Pedal          |

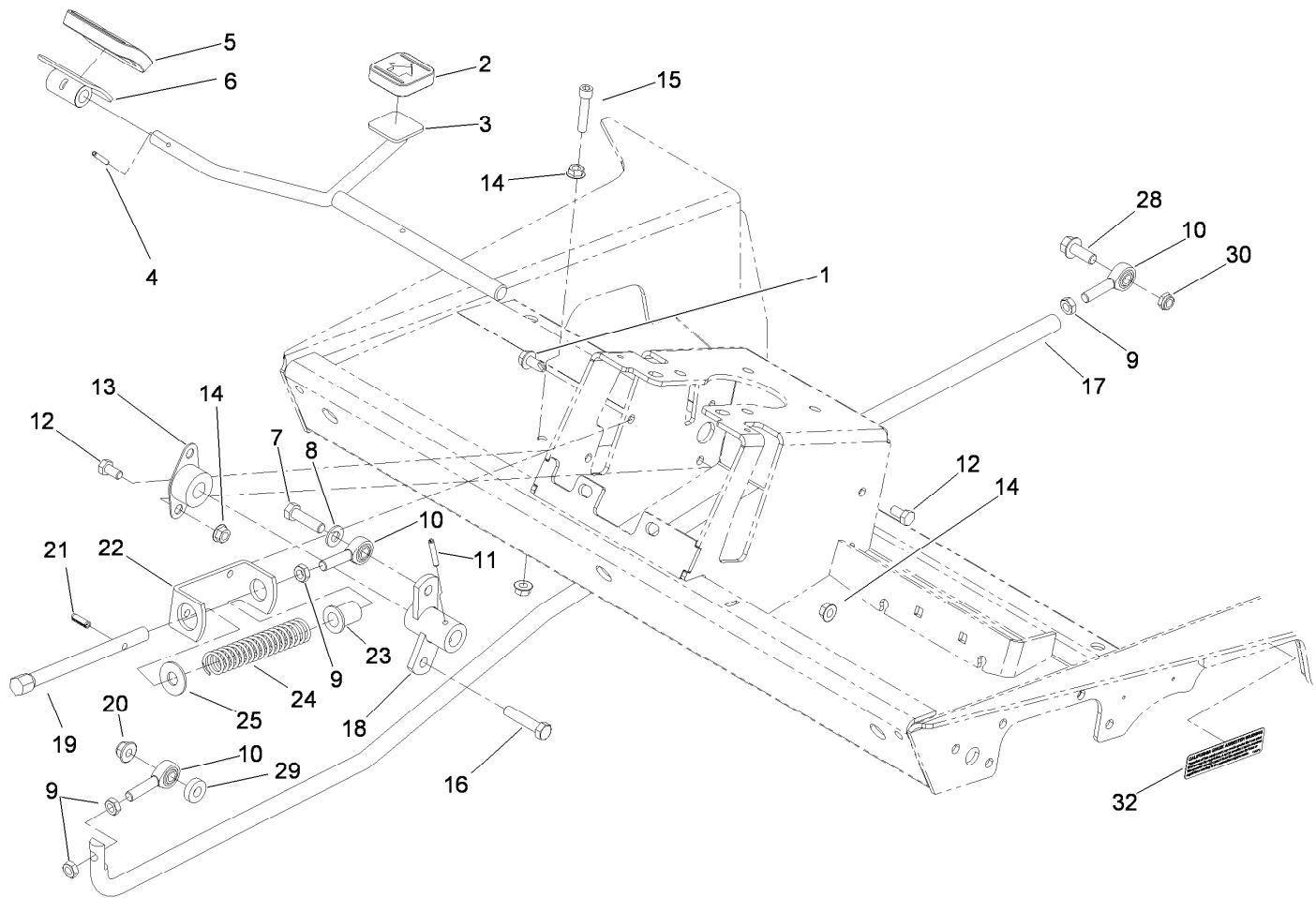
● Not serviced separately



## Steering Valve Assembly No. 114-8119

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 106-6716           | 1           | Seal Kit           |
| 1:1         |                    | 1           | Ring-Seal, Dust ●  |
| 1:2         |                    | 1           | Seal-Shaft ●       |
| 1:3         |                    | 1           | Ring-Retaining ●   |
| 1:4         |                    | 2           | Ring-Retaining ●   |
| 1:5         |                    | 5           | Ring-Retaining ●   |

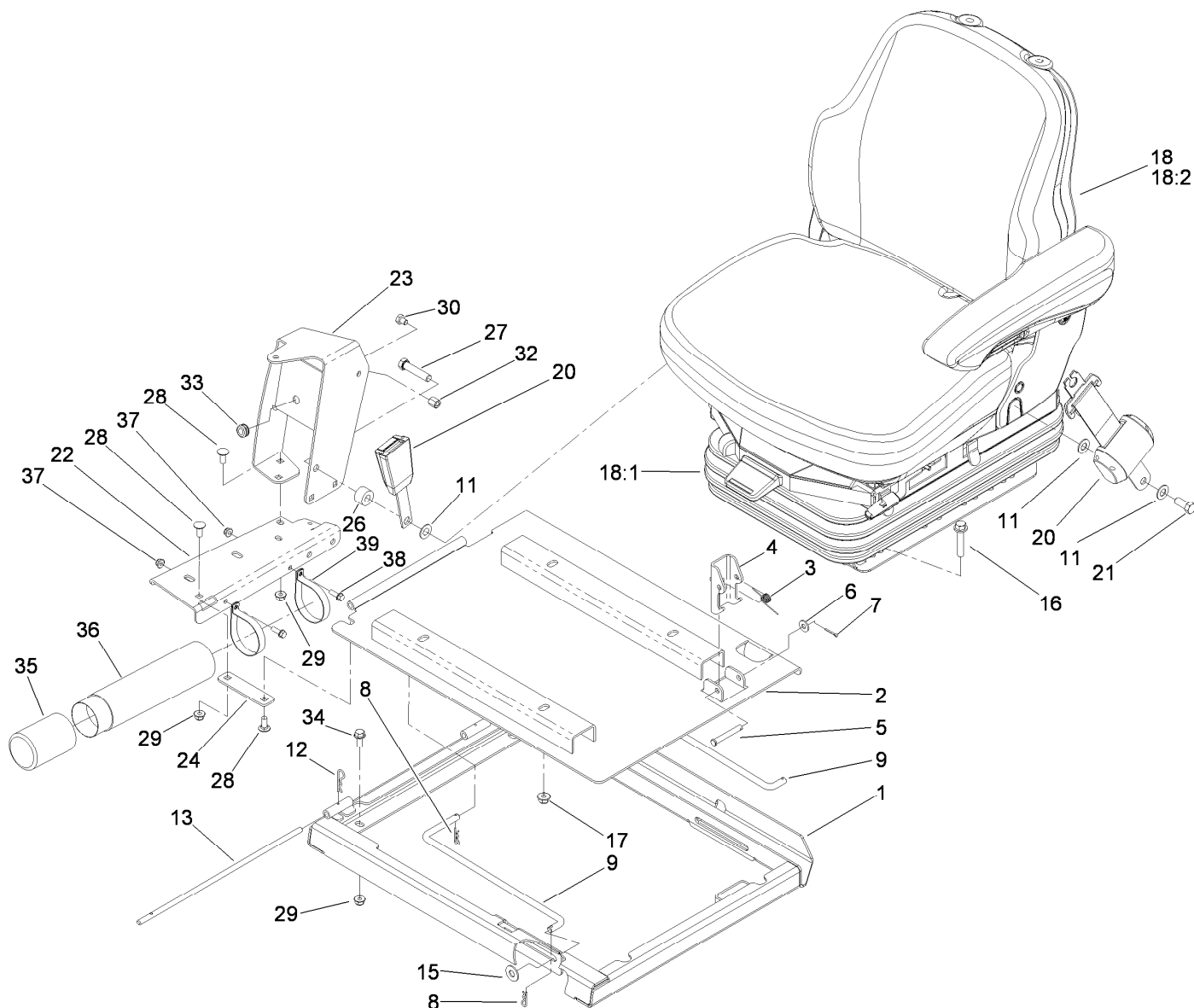
● Not serviced separately



## Traction Pedal Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 32104-32    | 2    | Screw-HWH             |
| 2    | 74-9110     | 1    | Pad-Pedal, Reverse    |
| 3    | 75-2970     | 1    | Pedal-Traction        |
| 4    | 32121-45    | 1    | Pin-Spring            |
| 5    | 74-9100     | 1    | Pad-Pedal, Forward    |
| 6    | 117-9507    | 1    | Pedal-Accelerator     |
| 7    | 323-29      | 1    | Screw-HH              |
| 8    | 3256-24     | 1    | Washer-Flat           |
| 9    | 3220-3      | 4    | Nut-HJ                |
| 10   | 2411-36     | 3    | Bearing-End, Rod      |
| 11   | 32121-6     | 1    | Pin-Roll, Slotted     |
| 12   | 322-2       | 4    | Screw-HH              |
| 13   | 256-236     | 2    | Bearing-Mount, Flange |
| 14   | 32128-20    | 6    | Nut-HF                |
| 15   | 3274-83     | 1    | Screw-HSH             |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 16   | 323-8       | 1    | Screw-HH              |
| 17   | 117-4794-03 | 1    | Rod-Traction          |
| 18   | 115-4380-03 | 1    | Hub-Pivot, Traction   |
| 19   | 115-4383    | 1    | Shaft-Spring          |
| 20   | 104-8301    | 2    | Nut-HF, NI            |
| 21   | 32121-11    | 1    | Pin-Roll              |
| 22   | 92-7608-03  | 1    | Bracket-Spring        |
| 23   | 92-7610     | 1    | Retainer-Spring       |
| 24   | 84-9100     | 1    | Spring                |
| 25   | 3256-5      | 1    | Washer-Flat           |
| 28   | 3234-11     | 1    | Screw-HHF             |
| 29   | 5-0652      | 1    | Spacer                |
| 30   | 3296-59     | 1    | Nut-Lock, NI          |
| 32   | 117-2718    | 1    | Decal-Arrester, Spark |

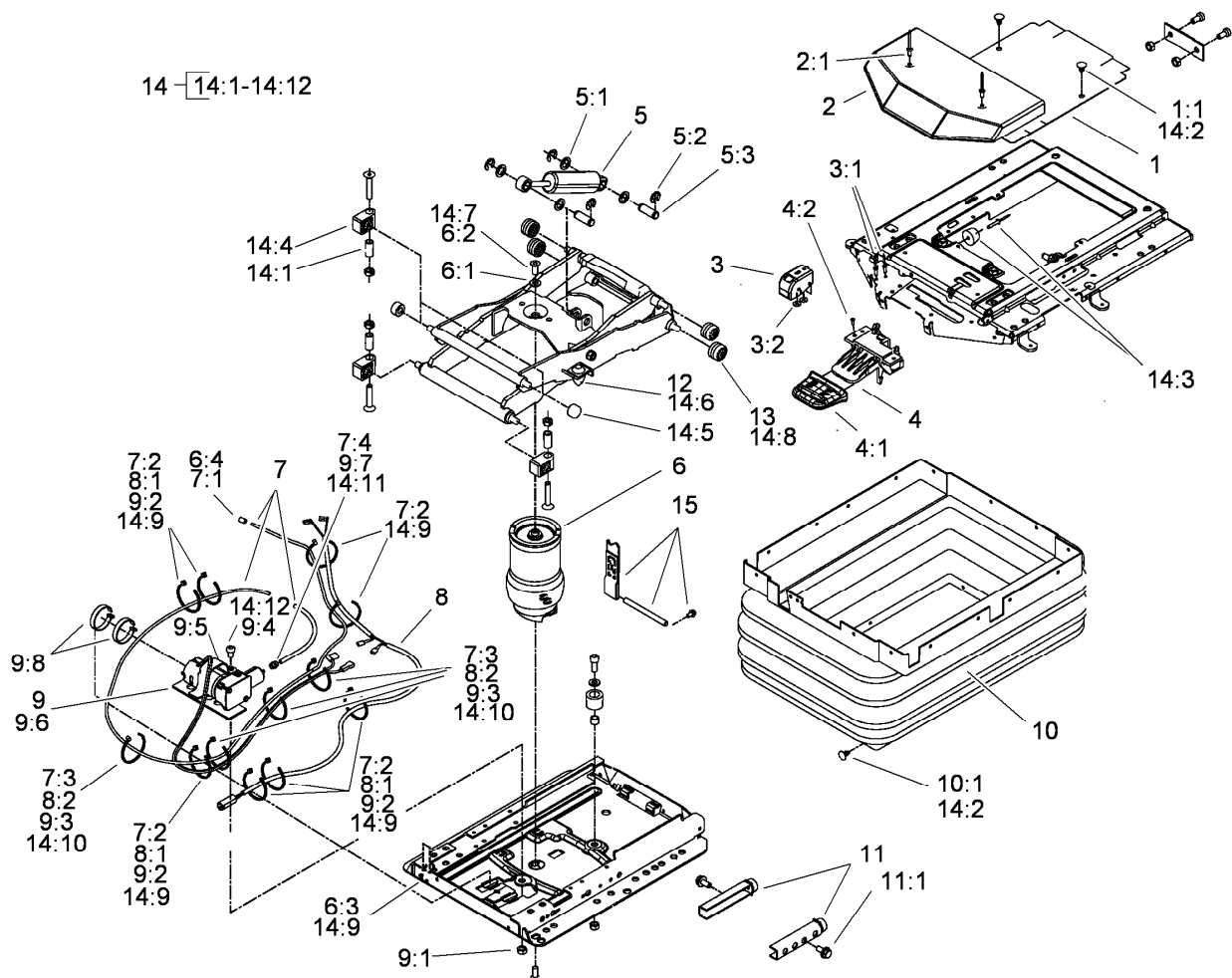


## Seat and Frame Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 115-4400-03 | 1    | Frame-Seat              |
| 2    | 115-4411-03 | 1    | Plate-Seat              |
| 3    | 104-4821    | 1    | Spring-Torsion          |
| 4    | 115-4423-03 | 1    | Latch-Seat Plate        |
| 5    | 110-0618    | 1    | Pin-Clevis              |
| 6    | 3256-2      | 1    | Washer-Flat             |
| 7    | 3272-6      | 1    | Pin-Cotter              |
| 8    | 3290-307    | 4    | Pin-Cotter              |
| 9    | 117-4797-03 | 2    | Rod-Seat Frame          |
| 11   | 3256-25     | 3    | Washer-Flat             |
| 12   | 3290-467    | 1    | Pin-Hair                |
| 13   | 75-3400     | 1    | Shaft-Pivot, Seat       |
| 15   | 3256-4      | 2    | Washer-Flat             |
| 16   | 66-9302     | 4    | Screw-HHF, Whiz         |
| 17   | 104-8301    | 4    | Nut-HF, NI              |
| 18   |             | 1    | Seat And Suspension ASM |
| 18:1 | 108-1488    | 1    | Seat Suspension ASM     |
| 18:2 | 117-5676    | 1    | Premium Seat ASM        |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 20   | 110-0413    | 1    | Seatbelt-Retractable |
| 21   | 3212-4      | 1    | Screw-HH             |
| 22   | 119-0000-03 | 1    | Channel-Support      |
| 23   | 117-4798-03 | 1    | Arm-Support          |
| 24   | 112-7449-03 | 1    | Bracket-Support      |
| 26   | 17-7190     | 1    | Spacer-Finger        |
| 27   | 3212-8      | 1    | Screw-HH             |
| 28   | 3230-23     | 6    | Screw-CARR           |
| 29   | 104-8300    | 9    | Nut-HF, NI           |
| 30   | 108-8646    | 1    | Screw-HH, Lock       |
| 32   | 112-7405    | 1    | Nut-Hex, Coupling    |
| 33   | 237-136     | 1    | Grommet              |
| 34   | 3234-47     | 4    | Screw-HHF            |
| 35   | 104-7048    | 1    | Cap-Housing          |
| 36   | 104-7050    | 1    | Tube-Manual          |
| 37   | 104-7201    | 2    | Nut-HF               |
| 38   | 32105-15    | 2    | Screw-HWH            |
| 39   | 107-1865    | 2    | R-Clamp              |

● Not serviced separately



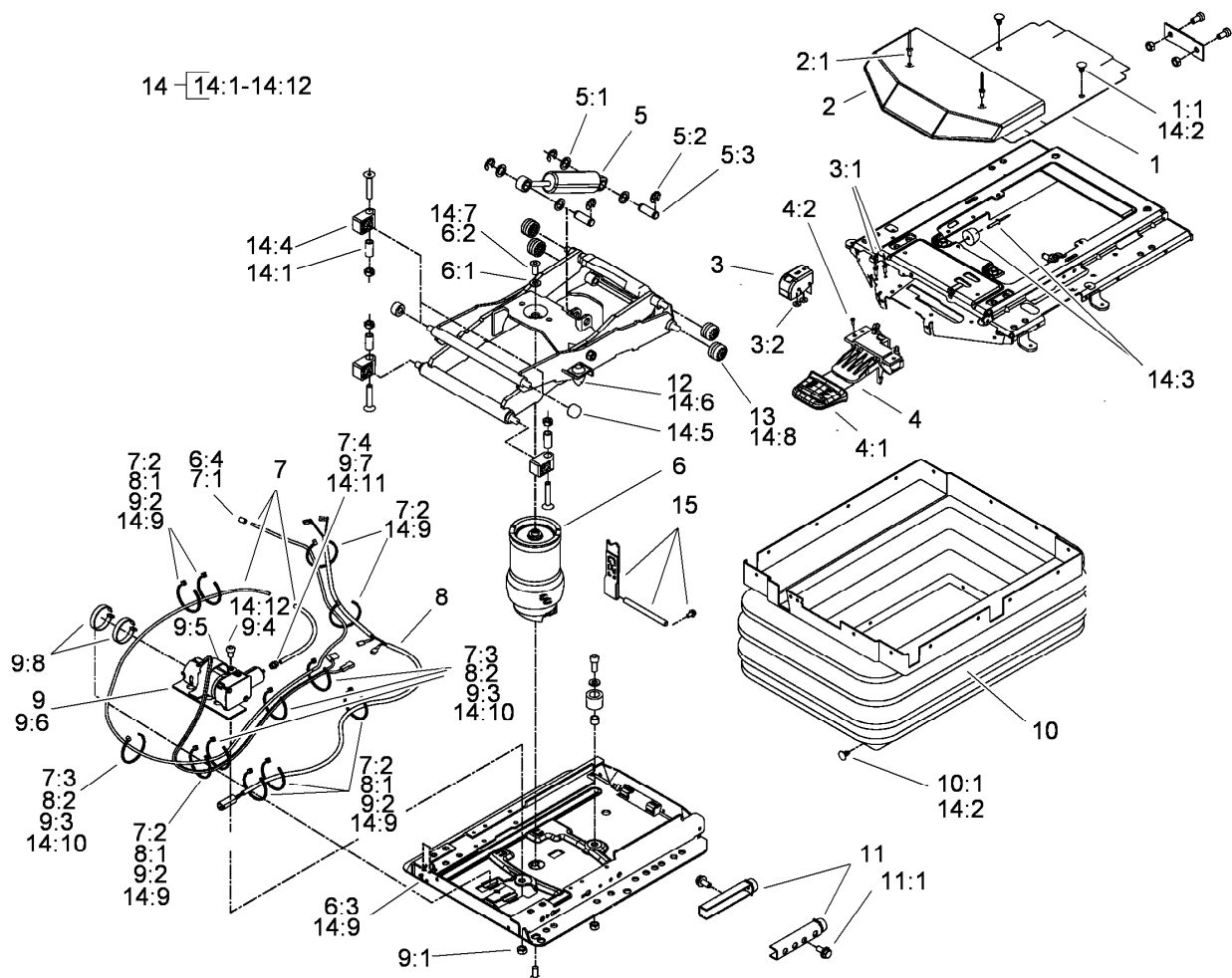
## Air Ride Seat Suspension Assembly No. 108-1488

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 108-8026    | 1    | Cover ASM            |
| 1:1  | 39-5710     | 2    | Plug-Plastic         |
| 2    | 108-8027    | 1    | Cover                |
| 2:1  |             | 2    | Rivet ■              |
| 3    | 108-8028    | 1    | Level Indicator Kit  |
| 3:1  |             | 2    | Rivet ■              |
| 3:2  |             | 2    | Washer ■             |
| 4    | 108-8029    | 1    | Valve-Control, Air   |
| 4:1  |             | 1    | Handle ■             |
| 4:2  |             | 3    | Screw ■              |
| 5    | 108-8030    | 1    | Shock Absorber Kit   |
| 5:1  |             | 4    | Washer ■             |
| 5:2  |             | 4    | C-Clip ■             |
| 5:3  |             | 2    | Pin ■                |
| 6    | 108-8031    | 1    | Air Spring Kit       |
| 6:1  |             | 1    | Washer ■             |
| 6:2  |             | 2    | Screw ■              |
| 6:3  |             | 1    | Tie-Wire ■           |
| 6:4  |             | 1    | Nipple-Hose ■        |
| 7    | 108-8032    | 1    | Air Tube ASM         |
| 7:1  |             | 1    | Nipple-Hose ■        |
| 7:2  |             | 7    | Tie-Wire ■           |
| 7:3  |             | 4    | Tie-Wire ■           |
| 7:4  |             | 1    | Nipple-Hose ■        |
| 8    | 108-8033    | 1    | Connecting Cable ASM |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 8:1  |             | 8    | Tie-Wire ■        |
| 8:2  |             | 4    | Tie-Wire ■        |
| 9    | 108-8034    | 1    | Compressor Kit    |
| 9:1  |             | 1    | Nut ■             |
| 9:2  |             | 5    | Tie-Wire ■        |
| 9:3  |             | 4    | Tie-Wire ■        |
| 9:4  |             | 1    | Screw ■           |
| 9:5  |             | 1    | Compressor ■      |
| 9:6  |             | 1    | Plate-Mounting ■  |
| 9:7  |             | 1    | Nipple-Hose ■     |
| 9:8  |             | 2    | Clamp ■           |
| 10   | 108-8035    | 1    | Bellows ASM       |
| 10:1 | 39-5710     | 23   | Plug-Plastic      |
| 11   | 108-8036    | 1    | Stop Kit          |
| 11:1 |             | 2    | Screw ■           |
| 12   | 107-1213    | 2    | Bumper Set        |
| 13   | 108-8037    | 4    | Roller            |
| 14   | 108-8038    | 1    | Wear Parts Kit ●  |
| 14:1 |             | 4    | Spacer ■          |
| 14:2 | 39-5710     | 2    | Plug-Plastic      |
| 14:3 |             | 1    | Bumper ■          |
| 14:4 |             | 4    | Support-Housing ■ |
| 14:5 |             | 2    | Roller ■          |
| 14:6 | 107-1213    | 2    | Bumper Set        |
| 14:7 |             | 2    | Screw ■           |

● Not illustrated

■ Not serviced separately



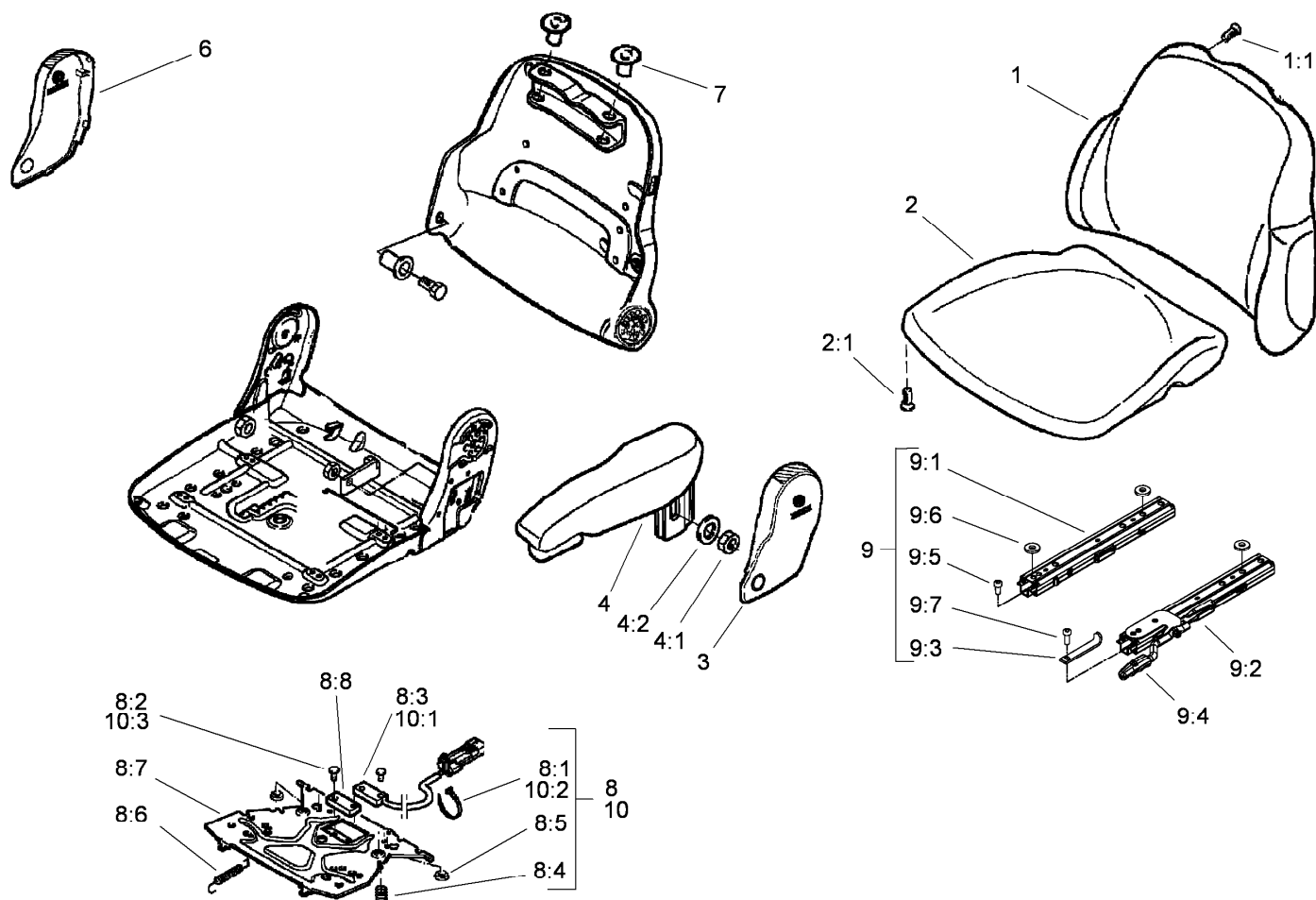
## Air Ride Seat Suspension Assembly No. 108-1488 (continued)

| Ref.  | Part Number | Qty. | Description |
|-------|-------------|------|-------------|
| 14:8  | 108-8037    | 4    | Roller      |
| 14:9  |             | 9    | Tie-Wire ■  |
| 14:10 |             | 4    | Tie-Wire ■  |

| Ref.  | Part Number | Qty. | Description   |
|-------|-------------|------|---------------|
| 14:11 |             | 1    | Nipple-Hose ■ |
| 14:12 |             | 1    | Screw ■       |
| 15    | 119-2161    | 1    | Tether Kit    |

● Not illustrated

■ Not serviced separately

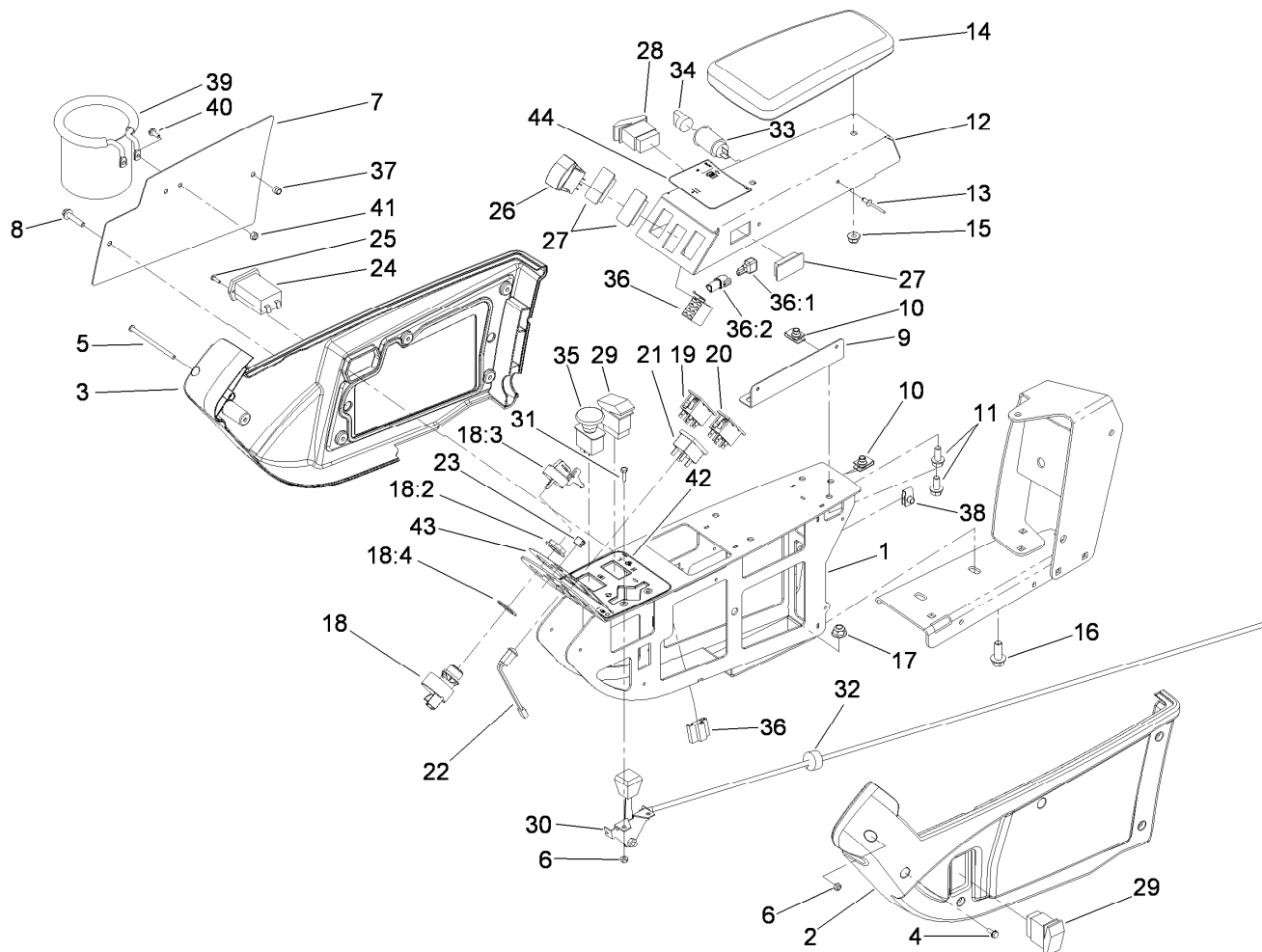


## Premium Seat Assembly No. 117-5676

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 108-8016    | 1    | Backrest Cushion ASM |
| 1:1  |             | 3    | Screw ●              |
| 2    | 108-8017    | 1    | Seat Cushion ASM     |
| 2:1  |             | 4    | Screw ●              |
| 3    | 108-8018    | 1    | Cover-Armrest        |
| 4    | 108-8019    | 1    | LH Armrest ASM       |
| 4:1  | 82-9650     | 1    | Nut                  |
| 4:2  | 107-1198    | 1    | Washer               |
| 6    | 108-8021    | 1    | Cover-Armrest        |
| 7    | 108-8022    | 2    | Cover-Black          |
| 8    | 108-8024    | 1    | Switch Kit           |
| 8:1  |             | 3    | Wire Tie ●           |
| 8:2  |             | 4    | Rivet ●              |
| 8:3  |             | 1    | Switch ●             |
| 8:4  |             | 2    | Spring ●             |
| 8:5  |             | 2    | Bumper ●             |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 8:6  |             | 1    | Spring-Return ●       |
| 8:7  |             | 1    | Plate-Mounting ●      |
| 8:8  |             | 1    | Magnet ●              |
| 9    | 108-8025    | 1    | Adjustment Rail Set   |
| 9:1  |             | 1    | Rail-Adjustment, RH ● |
| 9:2  |             | 1    | Rail-Adjustment, LH ● |
| 9:3  |             | 1    | Stop-Rail ●           |
| 9:4  |             | 1    | Handle ●              |
| 9:5  |             | 3    | Screw ●               |
| 9:6  |             | 3    | Washer ●              |
| 9:7  |             | 1    | Screw ●               |
| 10   | 110-6189    | 1    | Switch Kit            |
| 10:1 |             | 1    | Switch ●              |
| 10:2 |             | 3    | Wire Tie ●            |
| 10:3 |             | 2    | Rivet ●               |

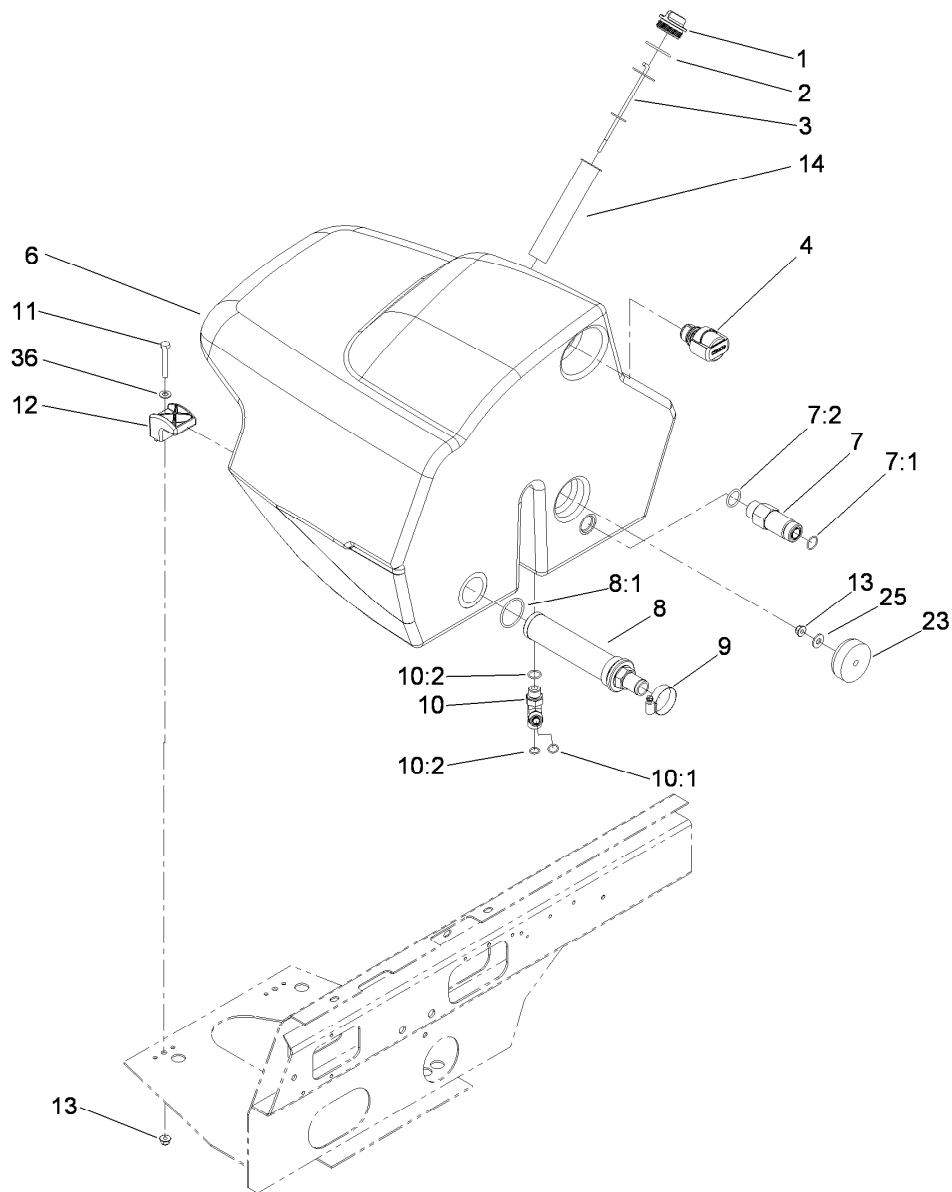
● Not serviced separately



## Control Console Assembly

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 115-4430-03 | 1    | Frame-Arm, Control          |
| 2    | 108-7604    | 1    | Cover-LH                    |
| 3    | 108-7605    | 1    | Cover-RH                    |
| 4    | 32144-112   | 10   | Screw-HWH                   |
| 5    | 3250-22     | 1    | Screw-PPH                   |
| 6    | 3296-12     | 3    | Nut-Lock, NI                |
| 7    | 115-8849-03 | 1    | Plate-Cover                 |
| 8    | 3234-21     | 2    | Screw-HHF                   |
| 9    | 112-7404    | 1    | Angle-Mounting              |
| 10   | 94-2413     | 5    | Nut-U                       |
| 11   | 3234-5      | 5    | Screw-HHF                   |
| 12   | 117-2380-03 | 1    | Panel-Switches, Control Arm |
| 13   | 3290-409    | 2    | Rivet                       |
| 14   | 108-7602    | 1    | Rest-Arm                    |
| 15   | 104-8300    | 2    | Nut-HF, NI                  |
| 16   | 3234-42     | 2    | Screw-HHF                   |
| 17   | 104-8301    | 2    | Nut-HF, NI                  |
| 18   | 106-5269    | 1    | Ignition Switch ASM         |
| 18:2 | 108-8660    | 1    | Nut-Mounting                |
| 18:3 | 106-5270    | 1    | Ignition Key Set            |
| 18:4 | 108-8659    | 1    | Washer-Backup               |
| 19   | 100-8070    | 1    | Lamp-Warning                |
| 20   | 100-8071    | 1    | Lamp-Warning                |
| 21   | 110-0941    | 1    | Gauge-Temperature           |
| 22   | 95-7652     | 1    | Light-Indicator             |

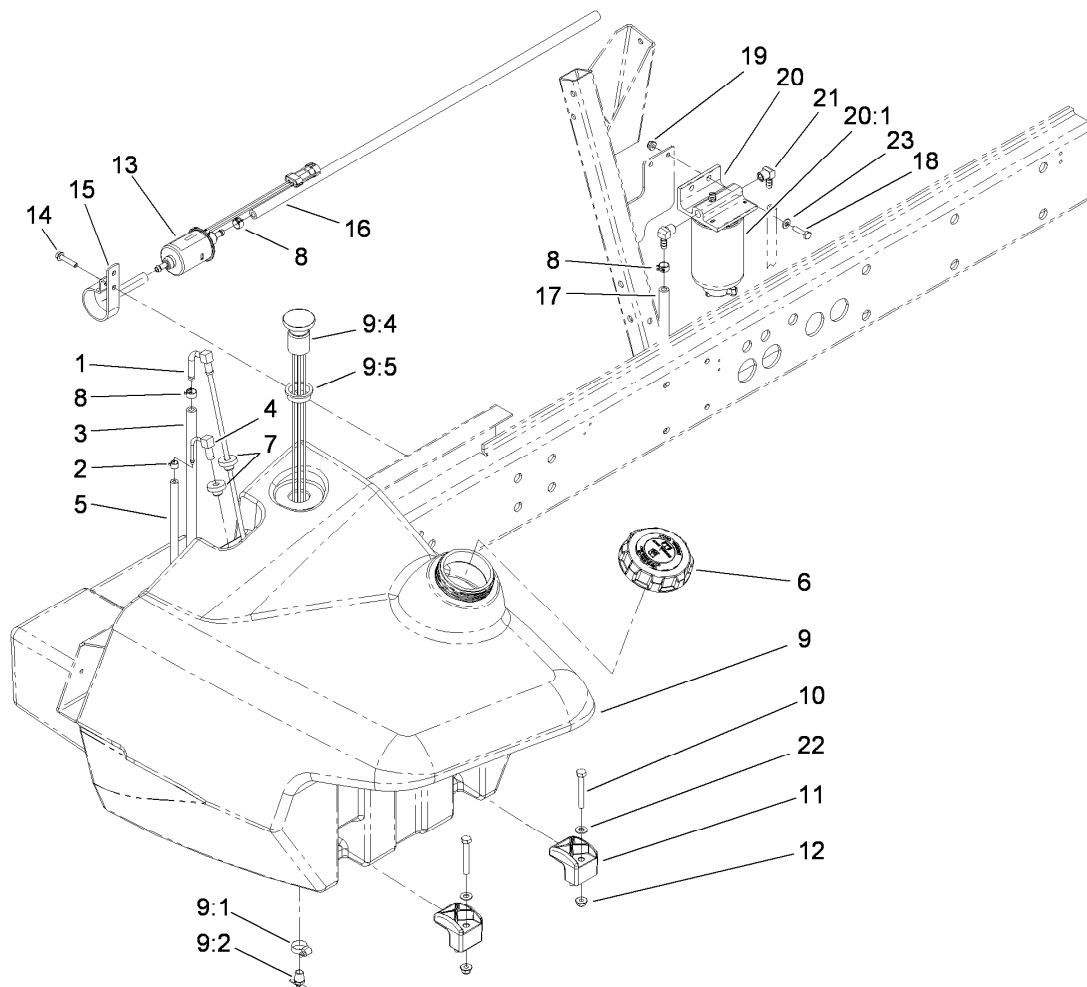
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 23   | 2410-64     | 1    | Plug-Button                  |
| 24   | 75-6820     | 1    | Hourmeter                    |
| 25   | 32144-18    | 2    | Screw-HWH                    |
| 26   | 100-1535    | 3    | Switch-Rocker, (On)-Off-(On) |
| 27   | 99-7420     | 1    | Plug-Hole                    |
| 28   | 106-2027    | 1    | Switch-Intermittent          |
| 29   | 95-8999     | 2    | Switch                       |
| 30   | 115-9117    | 1    | Cable-Throttle               |
| 31   | 3290-134    | 2    | Screw                        |
| 32   | 110-8911    | 1    | Seal-Foam                    |
| 33   | 99-7411     | 1    | Point-Power                  |
| 34   | 99-7416     | 1    | Cap                          |
| 35   | 93-9999     | 1    | Switch-PTO                   |
| 36   | 119-1308    | 1    | Harness-Wire, Seat           |
| 36:1 | 104-4022    | 1    | Resistor-75 Ohm              |
| 36:2 | 32180-043   | 1    | Resistor-120 Ohm             |
| 37   | 110-0542    | 2    | Spacer-Flange                |
| 38   | 107069      | 2    | Clip                         |
| 39   | 117-2378    | 1    | Holder-Bag                   |
| 40   | 3290-321    | 2    | Screw-HWH                    |
| 41   | 3296-2      | 2    | Nut-Lock, NI                 |
| 42   | 117-2384    | 1    | Decal-Console, Lower         |
| 43   | 117-2385    | 1    | Decal-Console, Upper         |
| 44   | 117-2387    | 1    | Decal-Lift                   |



## Hydraulic Filter and Reservoir Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 93-7498     | 1    | Plug-Plastic      |
| 2    | 237-101     | 1    | O-Ring            |
| 3    | 94-9411     | 1    | Dipstick          |
| 4    | 115-9793    | 1    | Breather          |
| 6    | 119-0017    | 1    | Tank-HYD          |
| 7    | 92-6058     | 1    | Fitting-STR       |
| 7:1  | 237-81      | 1    | O-Ring            |
| 7:2  | 237-58      | 1    | O-Ring            |
| 8    | 104-7546    | 1    | Tank Strainer ASM |
| 8:1  | 340-136     | 1    | O-Ring            |
| 9    | 2412-111    | 2    | Clamp             |

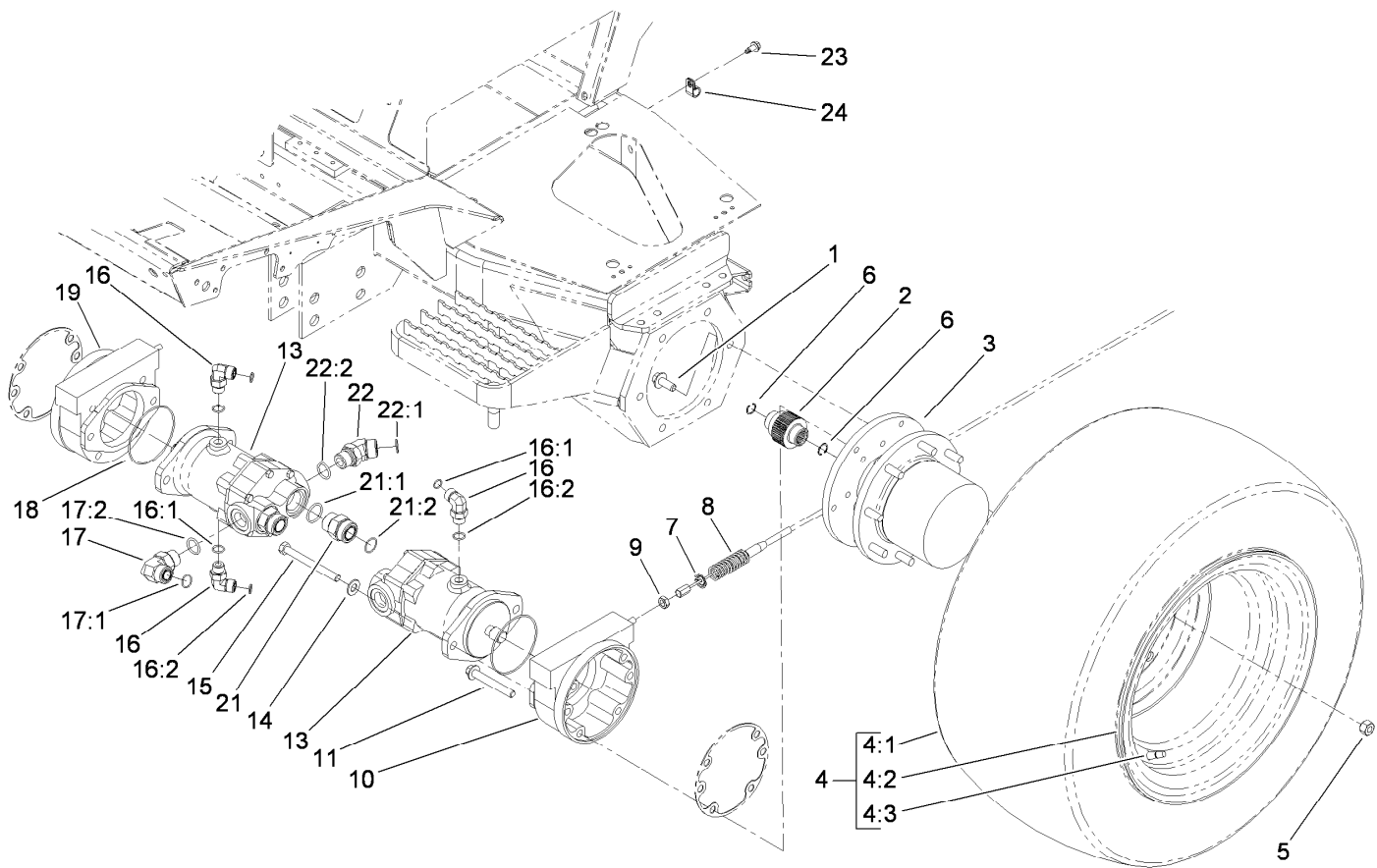
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10   | 340-109     | 1    | Fitting-Tee   |
| 10:1 | 237-79      | 1    | O-Ring        |
| 10:2 | 237-30      | 2    | O-Ring        |
| 11   | 322-11      | 2    | Screw-HH      |
| 12   | 107-4543    | 2    | Clamp         |
| 13   | 104-8300    | 3    | Nut-HF, NI    |
| 14   | 61-2790     | 1    | Filter-Screen |
| 23   | 108-1605    | 1    | Bumper-Recess |
| 25   | 3256-3      | 1    | Washer-Flat   |
| 36   | 3256-23     | 2    | Washer-Plain  |



## Fuel Tank and Filter Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 115-4354    | 1    | Tube-Suction, Fuel |
| 2    | 2412-80     | 2    | Clamp-Hose         |
| 3    | 110-3257    | 1    | Hose-Fuel          |
| 4    | 104-5605    | 1    | Fitting-Return     |
| 5    | 110-0471    | 1    | Hose-Fuel          |
| 6    | 114-5062    | 1    | Cap-Biodiesel      |
| 7    | 46-6560     | 2    | Bushing            |
| 8    | 92-2379     | 6    | Clamp-Hose         |
| 9    | 115-4353    | 1    | Fuel Tank ASM      |
| 9:1  | 2412-36     | 1    | Clamp-Hose         |
| 9:2  | 304-46      | 1    | Draincock          |
| 9:4  | 117-4790    | 1    | Guage-Fuel         |
| 9:5  | 95-8972     | 1    | Grommet            |
| 10   | 322-11      | 2    | Screw-HH           |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 11   | 107-4543    | 2    | Clamp              |
| 12   | 104-8300    | 2    | Nut-HF, NI         |
| 13   | 110-8806    | 1    | Pump-Fuel          |
| 14   | 32144-110   | 1    | Screw-HWH          |
| 15   | 110-8817    | 1    | Bracket-Pump, Fuel |
| 16   | 109-0309    | 1    | Hose-Fuel          |
| 17   | 110-4109    | 1    | Hose-Fuel          |
| 18   | 321-6       | 2    | Screw-HH           |
| 19   | 104-7201    | 2    | Nut-HF             |
| 20   | 110-9044    | 1    | Separator-Filter   |
| 20:1 | 110-9049    | 1    | Filter-Spin On     |
| 21   | 353-781     | 2    | Fitting-HYD, 90    |
| 22   | 3256-23     | 2    | Washer-Plain       |
| 23   | 3256-22     | 2    | Washer-Flat        |

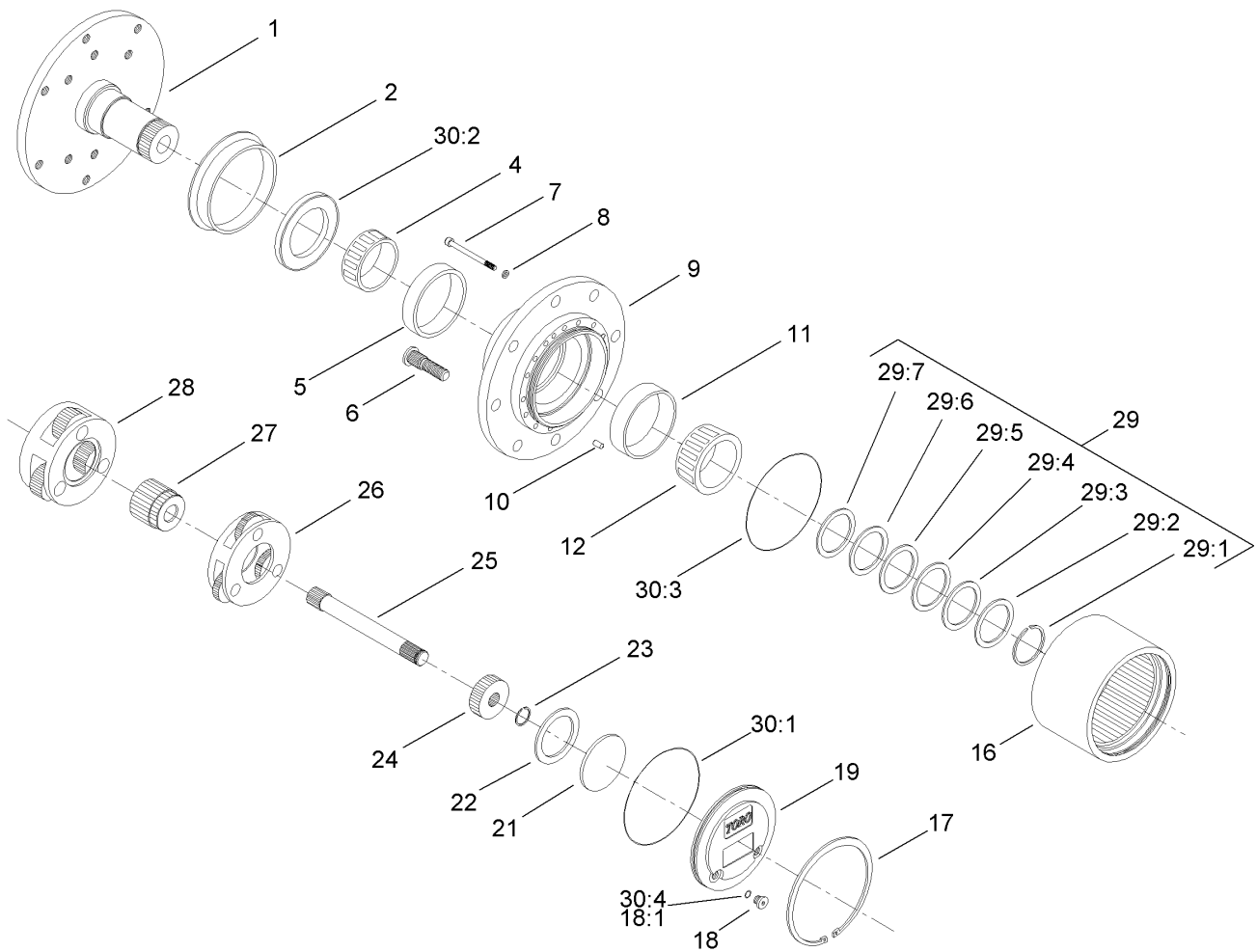


## Front Drive and Brake Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 33106-030   | 12   | Screw-HHF                |
| 2    | 100-3046    | 2    | Shaft-Brake, Splined     |
| 3    | 105-4500-03 | 2    | Planetary ASM            |
| 4    |             | 2    | Tire And Wheel ASM ●     |
| 4:1  | 119-0023    | 1    | Tire                     |
| 4:2  | 119-0024    | 1    | Wheel                    |
| 4:3  | 232-24      | 1    | Stem-Valve               |
| 5    | 92-7483     | 16   | Nut-Lug                  |
| 6    | 93-7972     | 4    | Ring-Retaining, Internal |
| 7    | 94-3050     | 2    | Plate-Spring             |
| 8    | 94-3088     | 2    | Spring-Compression       |
| 9    | 3218-4      | 2    | Nut-Jam                  |
| 10   | 100-3070-03 | 1    | Brake ASM                |
| 11   | 33106-090   | 8    | Screw-HHF                |
| 13   | 105-1218    | 2    | Piston Motor ASM         |
| 14   | 3256-26     | 4    | Washer-Flat              |
| 15   | 33116-120   | 4    | Screw-HH                 |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 16   | 340-98      | 3    | Fitting-Elbow, 90 DEG |
| 16:1 | 237-79      | 1    | O-Ring                |
| 16:2 | 237-30      | 1    | O-Ring                |
| 17   | 340-142     | 2    | Fitting-Elbow, 90 DEG |
| 17:1 | 237-58      | 1    | O-Ring                |
| 17:2 | 237-81      | 1    | O-Ring                |
| 18   | 237-166     | 2    | O-Ring                |
| 19   | 100-3069-03 | 1    | Brake ASM             |
| 21   | 104-3797    | 4    | Fitting-Straight      |
| 21:1 | 237-146     | 1    | O-Ring                |
| 21:2 | 340-65      | 1    | O-Ring                |
| 22   | 100-5530    | 2    | Fitting-45 DEG        |
| 22:1 | 237-58      | 1    | O-Ring                |
| 22:2 | 237-81      | 1    | O-Ring                |
| 23   | 32104-32    | 2    | Screw-HWH             |
| 24   | 2412-93     | 2    | Clamp-R               |

● Not serviced separately



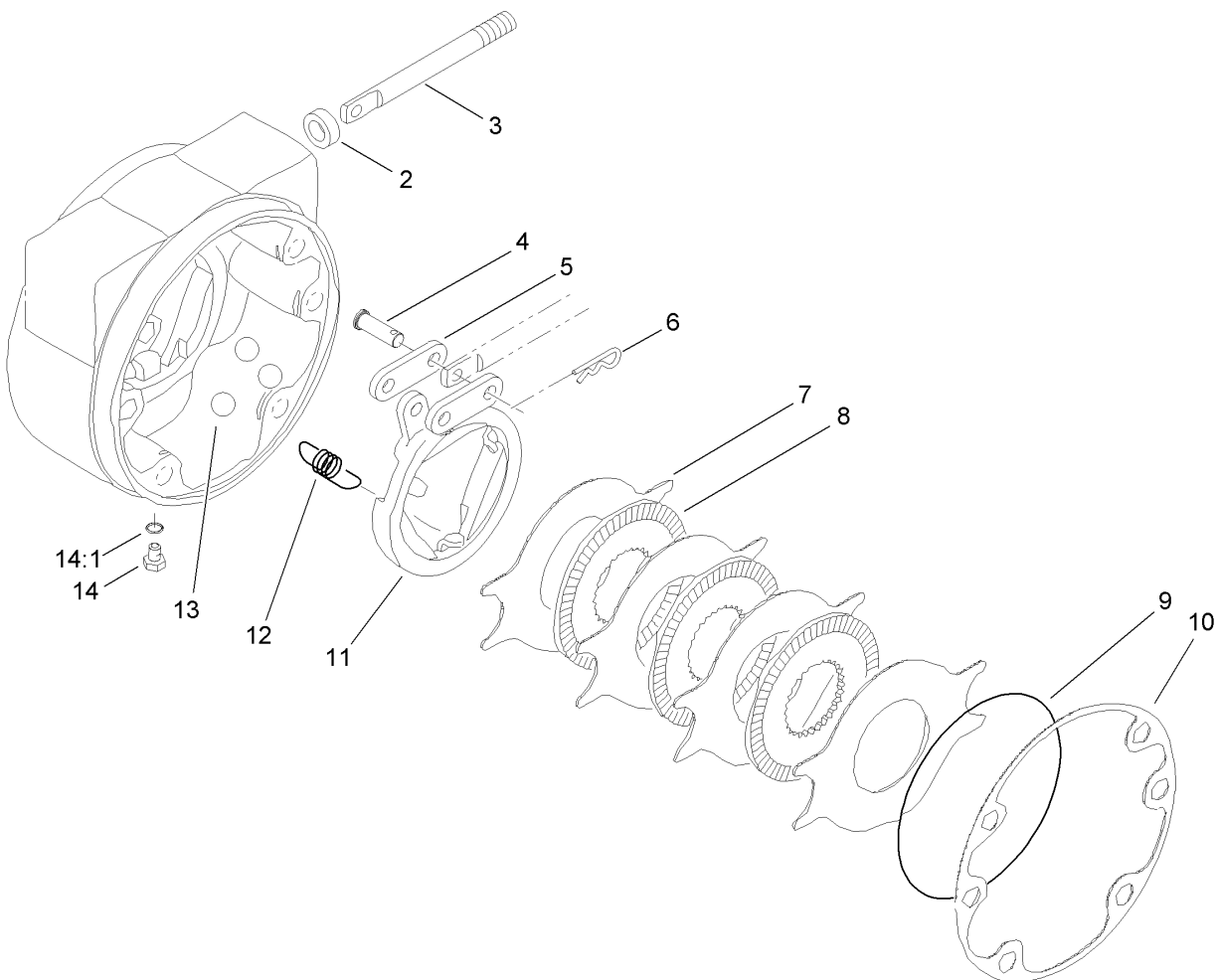
## Planetary Assembly No. 105-4500-03

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    |             | 1    | Spindle ■         |
| 2    | 105-8122    | 1    | Seal-Boot         |
| 4    | 105-8120    | 1    | Bearing-Cone      |
| 5    | 105-8119    | 1    | Bearing-Cup       |
| 6    | 105-8124    | 8    | Stud-Wheel        |
| 7    | 105-8125    | 16   | Bolt-Head, Socket |
| 8    | 3253-18     | 16   | Washer-Lock       |
| 9    |             | 1    | Housing ■         |
| 10   | 105-8121    | 1    | Pin-Dowel         |
| 11   | 105-8117    | 1    | Bearing-Cup       |
| 12   | 105-8118    | 1    | Bearing-Cone      |
| 16   | 105-8113    | 1    | Gear-Ring         |
| 17   | 105-8132    | 1    | Ring-Retaining    |
| 18   | 353-990     | 2    | Plug ASM          |
| 18:1 | 237-78      | 1    | O-Ring            |
| 19   | 105-8138    | 1    | Cap-End           |
| 21   | 105-8133    | 1    | Plug-Thrust       |
| 22   | 105-8123    | 1    | Washer-Thrust     |
| 23   | 105-8131    | 1    | Ring-Retaining    |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 24   | 105-8114    | 1    | Gear-Primary          |
| 25   | 105-8115    | 1    | Shaft-Drive           |
| 26   | 105-8129    | 1    | Carrier-Primary       |
| 27   | 105-8139    | 1    | Gear-Secondary        |
| 28   | 105-8130    | 1    | Carrier-Secondary     |
| 29   | 105-8136    | 1    | Shim Kit              |
| 29:1 |             | 1    | Ring-Snap ■           |
| 29:2 |             | 1    | Shim-Bearing, 2.9Mm ■ |
| 29:3 |             | 1    | Shim-Bearing, 2.8Mm ■ |
| 29:4 |             | 1    | Shim-Bearing, 2.7Mm ■ |
| 29:5 |             | 1    | Shim-Bearing, 2.6Mm ■ |
| 29:6 |             | 1    | Shim-Bearing, 2.5Mm ■ |
| 29:7 |             | 1    | Shim-Bearing, 2.4Mm ■ |
| 30   | 105-8137    | 1    | Seal Kit ●            |
| 30:1 |             | 1    | O Ring-Flange Cap ■   |
| 30:2 |             | 1    | Seal-Oil ■            |
| 30:3 |             | 2    | O Ring-End Cap ■      |
| 30:4 | 237-78      | 2    | O-Ring                |

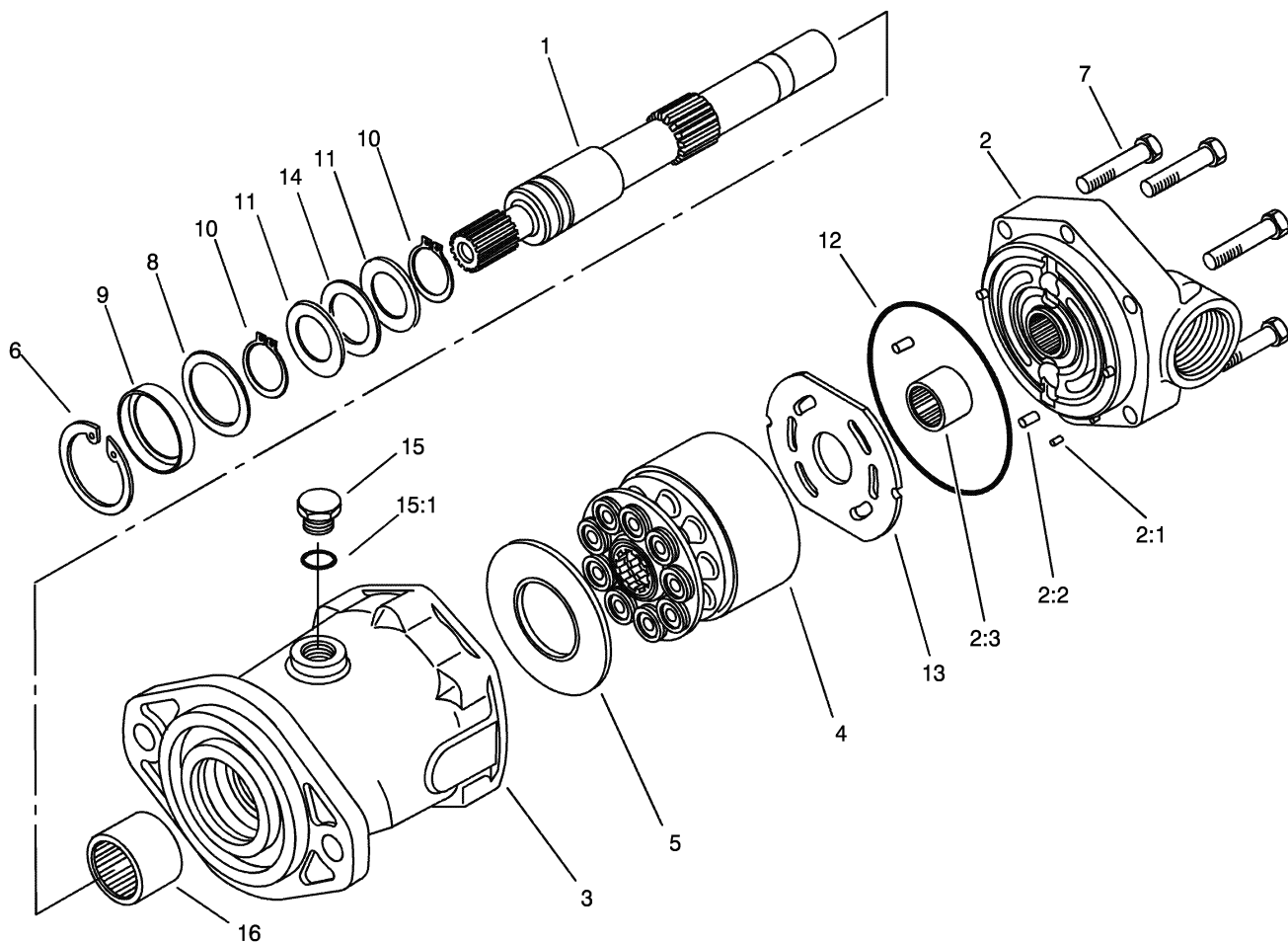
● Not illustrated

■ Not serviced separately



## Brake Assembly No. 100-3070-03

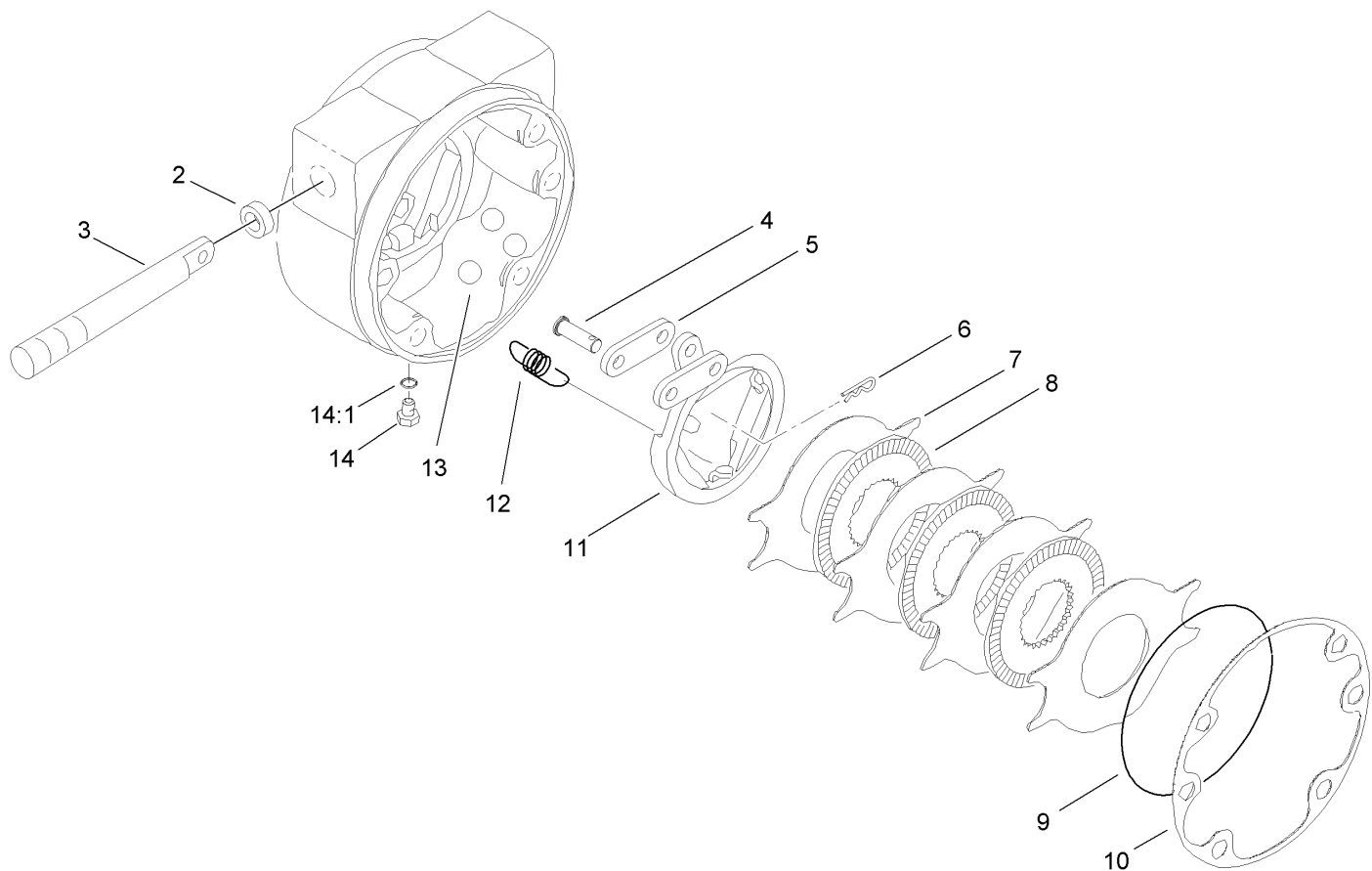
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 2    | 93-7977     | 1    | Seal              |
| 3    | 93-7978     | 1    | Rod-Pull          |
| 4    | 93-7983     | 2    | Pin-Clevis        |
| 5    | 93-7980     | 2    | Link              |
| 6    | 93-7979     | 2    | Pin-Hitch         |
| 7    | 93-7986     | 4    | Disc-Stationary   |
| 8    | 104-4278    | 3    | Disc-Rotating     |
| 9    | 93-7976     | 1    | Ring-Retaining    |
| 10   | 93-7984     | 1    | Gasket            |
| 11   | 104-4279    | 1    | Actuator-Rotating |
| 12   | 93-7987     | 3    | Spring-Extension  |
| 13   | 93-7985     | 3    | Ball              |
| 14   | 353-990     | 2    | Plug ASM          |
| 14:1 | 237-78      | 1    | O-Ring            |



## Piston Motor Assembly No. 105-1218

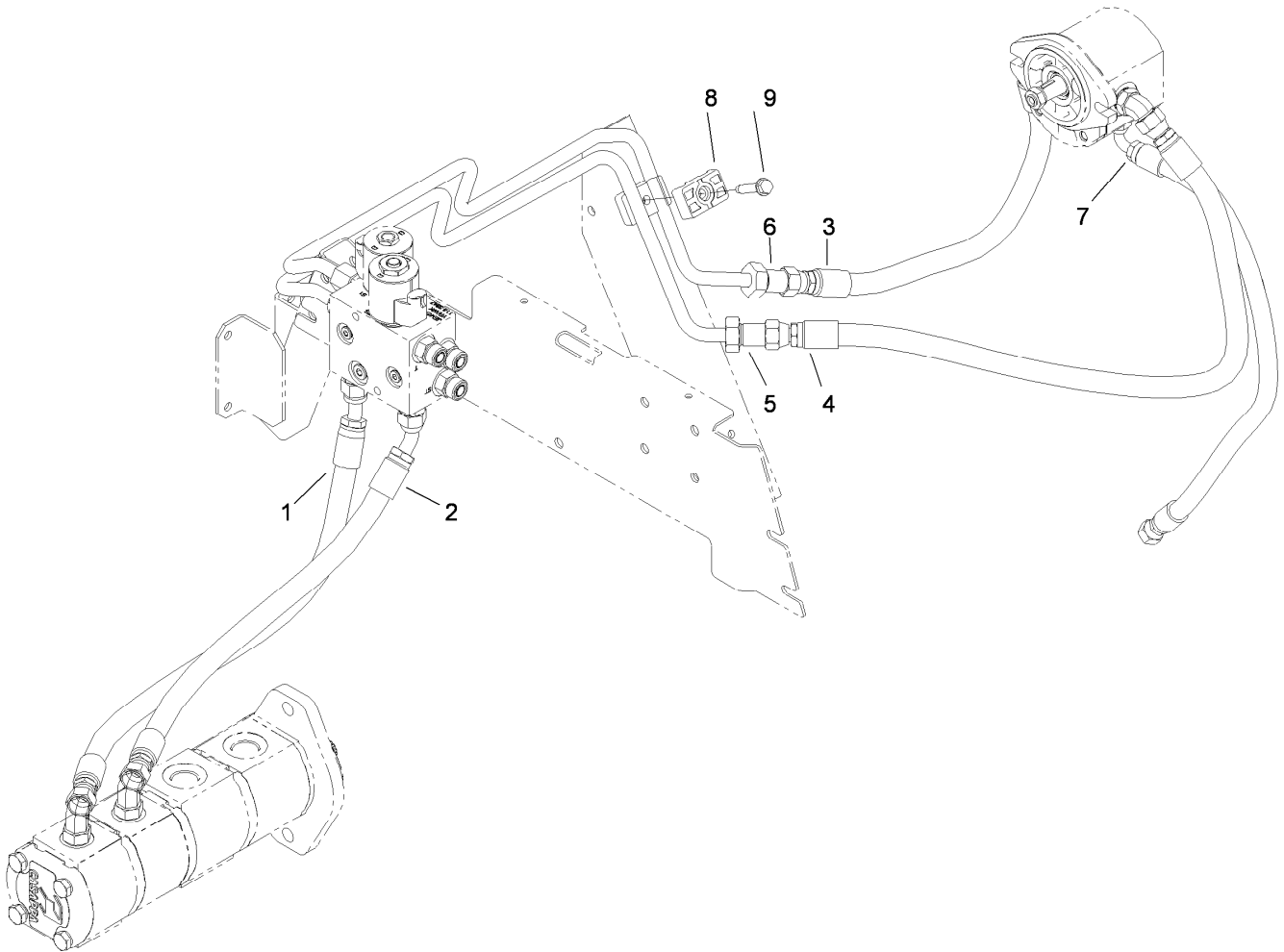
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 94-3004     | 1    | Shaft-Drive, Splined |
| 2    | 105-2851    | 1    | Backplate ASM        |
| 2:1  |             | 3    | Pin-Dowel ●          |
| 2:2  |             | 1    | Pin-Dowel ●          |
| 2:3  |             | 1    | Bearing-Needle ●     |
| 3    |             | 1    | Housing ●            |
| 4    | 76-6910     | 1    | Rotating Kit         |
| 5    | 76-6970     | 1    | Insert-Plate, Cam    |
| 6    | 60-6260     | 1    | Ring                 |
| 7    | 94-3002     | 6    | Screw-Cap            |
| 8    | 60-6240     | 1    | Washer               |
| 9    | 105-3331    | 1    | Seal-Shaft           |
| 10   | 76-7000     | 2    | Ring-Retaining       |
| 11   | 76-6950     | 2    | Race-Thrust          |
| 12   | 76-6980     | 1    | O-Ring               |
| 13   | 94-3003     | 1    | Plate-Valve          |
| 14   | 76-6960     | 1    | Bearing-Thrust       |
| 15   | 353-550     | 1    | Plug-HYD, HH         |
| 15:1 | 237-79      | 1    | O-Ring               |
| 16   | 63-4390     | 1    | Bearing-Needle       |

● Not serviced separately



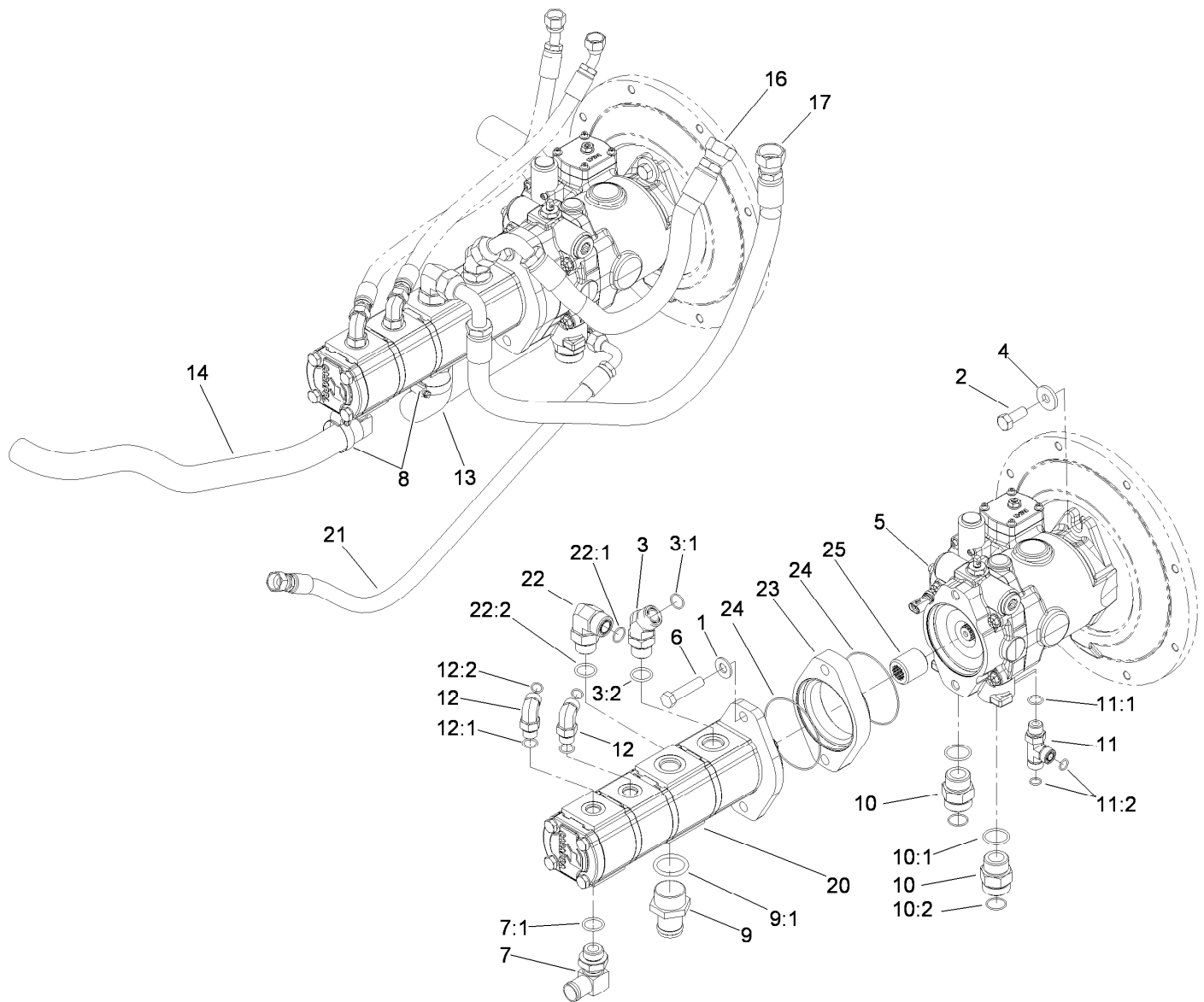
## Brake Assembly No. 100-3069-03

| Ref. | Part Number | 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    | 104-4278    | 3    | Disc-Rotating     |
| 9    | 93-7976     | 1    | Ring-Retaining    |
| 10   | 93-7984     | 1    | Gasket            |
| 11   | 104-4280    | 1    | Actuator-Rotating |
| 12   | 93-7987     | 3    | Spring-Extension  |
| 13   | 93-7985     | 3    | Ball              |
| 14   | 353-990     | 2    | Plug ASM          |
| 14:1 | 237-78      | 1    | O-Ring            |



## Fan Plumbing Assembly

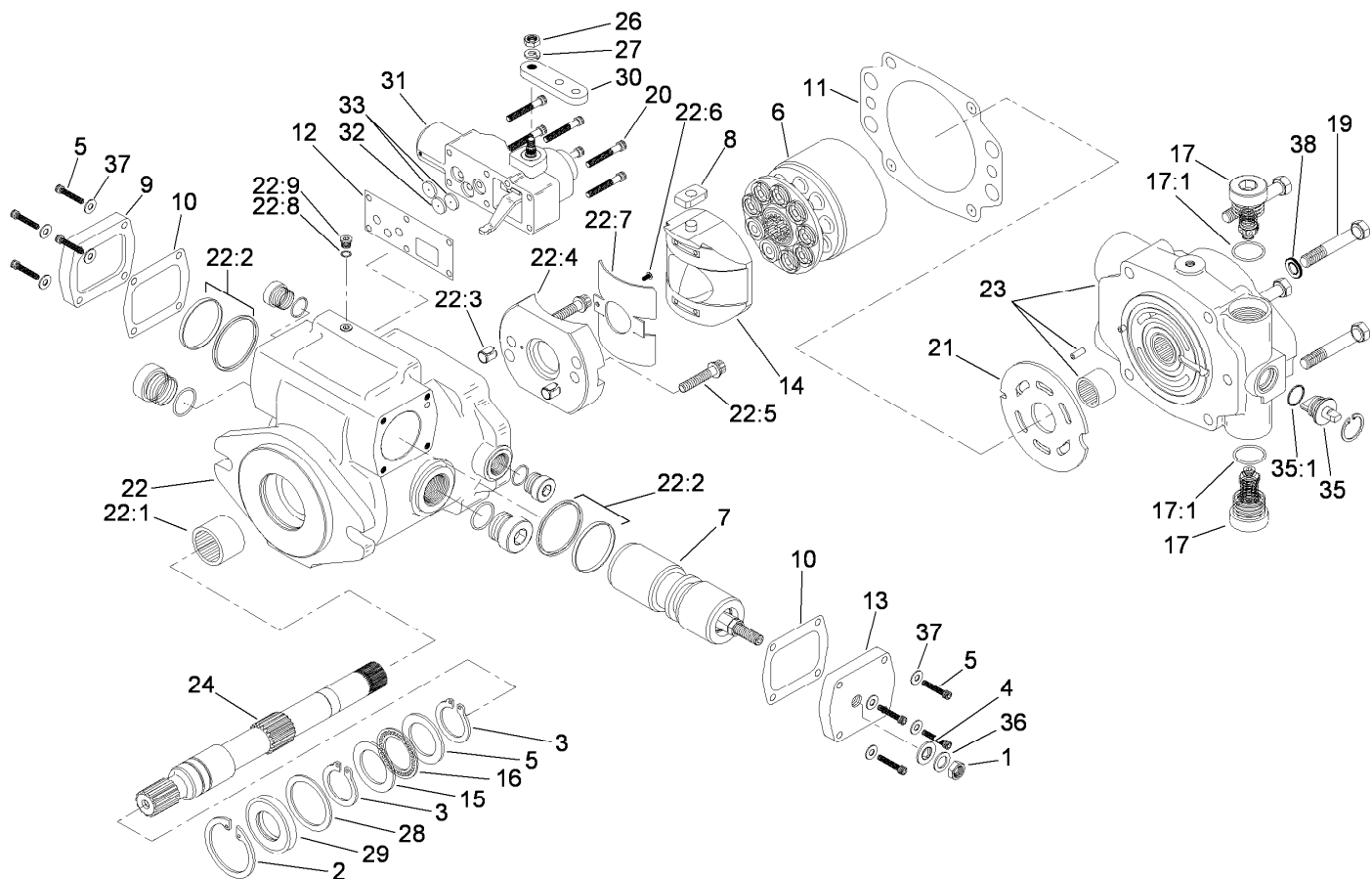
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 115-4438           | 1           | Hose-HYD           |
| 2           | 115-4439           | 1           | Hose-HYD           |
| 3           | 92-2406            | 1           | Hose-HYD           |
| 4           | 115-9116           | 1           | Hose-HYD           |
| 5           | 115-9122           | 1           | Tube-HYD           |
| 6           | 115-9123           | 1           | Tube-HYD           |
| 7           | 115-4434           | 1           | Hose-HYD           |
| 8           | 56-7976            | 2           | Clamp-Tube         |
| 9           | 32144-57           | 1           | Screw              |



## Hydraulic Pump Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 87-7270     | 2    | Washer-Thrust          |
| 2    | 325-5       | 2    | Screw-HH               |
| 3    | 100-5530    | 1    | Fitting-45 DEG         |
| 3:1  | 237-58      | 1    | O-Ring                 |
| 3:2  | 237-81      | 1    | O-Ring                 |
| 4    | 110-6147    | 2    | Washer-Flat            |
| 5    | 114-4188    | 1    | Piston Pump ASM        |
| 6    | 325-9       | 2    | Screw-HH               |
| 7    | 100-4202    | 1    | Fitting-90             |
| 7:1  | 237-81      | 1    | O-Ring                 |
| 8    | 2412-111    | 2    | Clamp                  |
| 9    | 104-5480    | 1    | Fitting-Hose, Straight |
| 9:1  | 237-123     | 1    | O-Ring                 |
| 10   | 104-3797    | 2    | Fitting-Straight       |
| 10:1 | 237-146     | 1    | O-Ring                 |
| 10:2 | 340-65      | 1    | O-Ring                 |
| 11   | 340-109     | 1    | Fitting-Tee            |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 11:1 | 237-79      | 1    | O-Ring                |
| 11:2 | 237-30      | 2    | O-Ring                |
| 12   | 340-98      | 2    | Fitting-Elbow, 90 DEG |
| 12:1 | 237-79      | 1    | O-Ring                |
| 12:2 | 237-30      | 1    | O-Ring                |
| 13   | 115-4449    | 1    | Hose                  |
| 14   | 115-4447    | 1    | Hose-Suction          |
| 16   | 117-4762    | 1    | Hose-HYD              |
| 17   | 115-4384    | 1    | Hose-HYD              |
| 20   | 114-4189    | 1    | 4-Section Pump ASM    |
| 21   | 105-3985    | 1    | Hose-HYD              |
| 22   | 340-142     | 1    | Fitting-Elbow, 90 DEG |
| 22:1 | 237-58      | 1    | O-Ring                |
| 22:2 | 237-81      | 1    | O-Ring                |
| 23   | 115-3757    | 1    | Spacer-Pump           |
| 24   | 115-3009    | 2    | O-Ring                |
| 25   | 115-3011    | 1    | Coupler-Pump          |

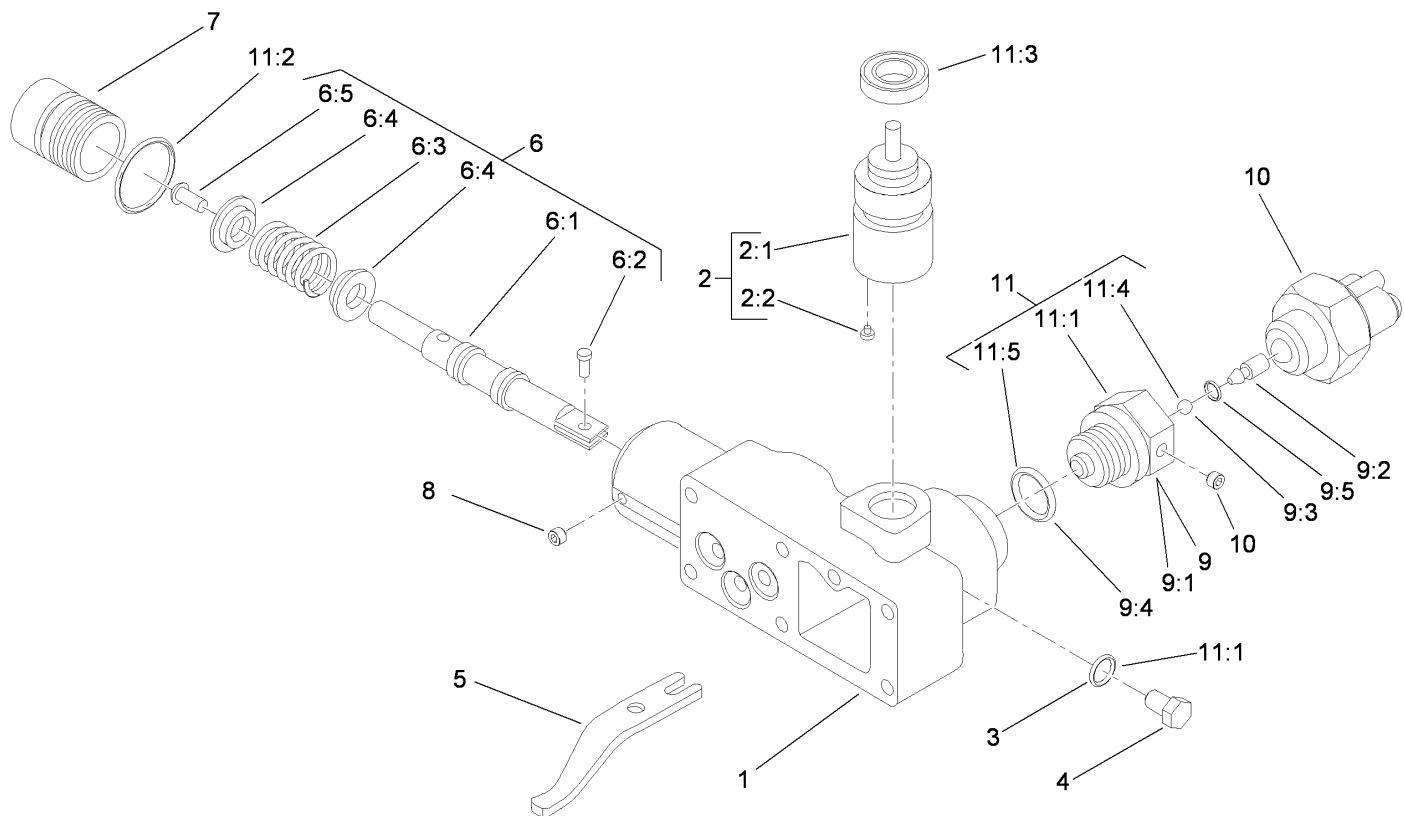


## Piston Pump Assembly No. 114-4188

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 3220-3      | 1    | Nut-HJ                  |
| 2    | 60-6260     | 1    | Ring                    |
| 3    | 76-7000     | 2    | Ring-Retaining          |
| 4    | 94-3027     | 1    | Washer-Seal             |
| 5    | 93-6337     | 8    | Screw                   |
| 6    | 105-9851    | 1    | Rotating Kit            |
| 7    | 105-4572    | 1    | Servo Piston ASM        |
| 8    | 94-3032     | 1    | Follower-Piston         |
| 9    | 94-3033     | 1    | Plate-Cover             |
| 10   | 93-6339     | 2    | Gasket                  |
| 11   | 105-2900    | 1    | Gasket-Housing          |
| 12   | 105-2901    | 1    | Gasket-Housing, Control |
| 13   | 105-9853    | 1    | Plate-Cover             |
| 14   | 94-3026     | 1    | Camplate ASM            |
| 15   | 76-6950     | 2    | Race-Thrust             |
| 16   | 76-6960     | 1    | Bearing-Thrust          |
| 17   | 105-2857    | 2    | Valve-Relief            |
| 17:1 |             | 1    | Ring-Retaining ●        |
| 19   | 323-45      | 4    | Screw-HH                |
| 20   | 93-6324     | 6    | Screw                   |
| 21   | 105-9854    | 1    | Plate-Valve             |
| 22   | 105-9855    | 1    | Housing ASM             |
| 22:1 |             | 1    | Bearing ●               |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 22:2 |             | 2    | Seal ASM ●                 |
| 22:3 |             | 2    | Dowel-Bushing ●            |
| 22:4 |             | 1    | Cradle ASM ●               |
| 22:5 |             | 2    | Screw ●                    |
| 22:6 |             | 1    | Screw ●                    |
| 22:7 |             | 1    | Bushing ●                  |
| 22:8 |             | 1    | Ring-Retaining ●           |
| 22:9 |             | 1    | Plug ●                     |
| 23   | 115-4445    | 1    | Endcover Sub ASM           |
| 24   | 115-3008    | 1    | Shaft-Drive                |
| 26   | 93-6327     | 1    | Nut                        |
| 27   | 3253-3      | 1    | Washer-Lock                |
| 28   | 60-6240     | 1    | Washer                     |
| 29   | 105-3331    | 1    | Seal-Shaft                 |
| 30   | 110-0036    | 1    | Arm-Control                |
| 31   | 115-4446    | 1    | Control-Servo, Manual      |
| 32   | 105-2909    | 1    | Orifice-Control, .036 DIA  |
| 33   | 94-3041     | 2    | Orifice-Control (.028 DIA) |
| 35   | 105-2864    | 1    | Valve-Bypass               |
| 35:1 |             | 1    | Ring-Retaining ●           |
| 36   | 94-3030     | 1    | Washer                     |
| 37   | 93-6336     | 8    | Washer                     |
| 38   | 105-9762    | 4    | Washer                     |

● Not serviced separately

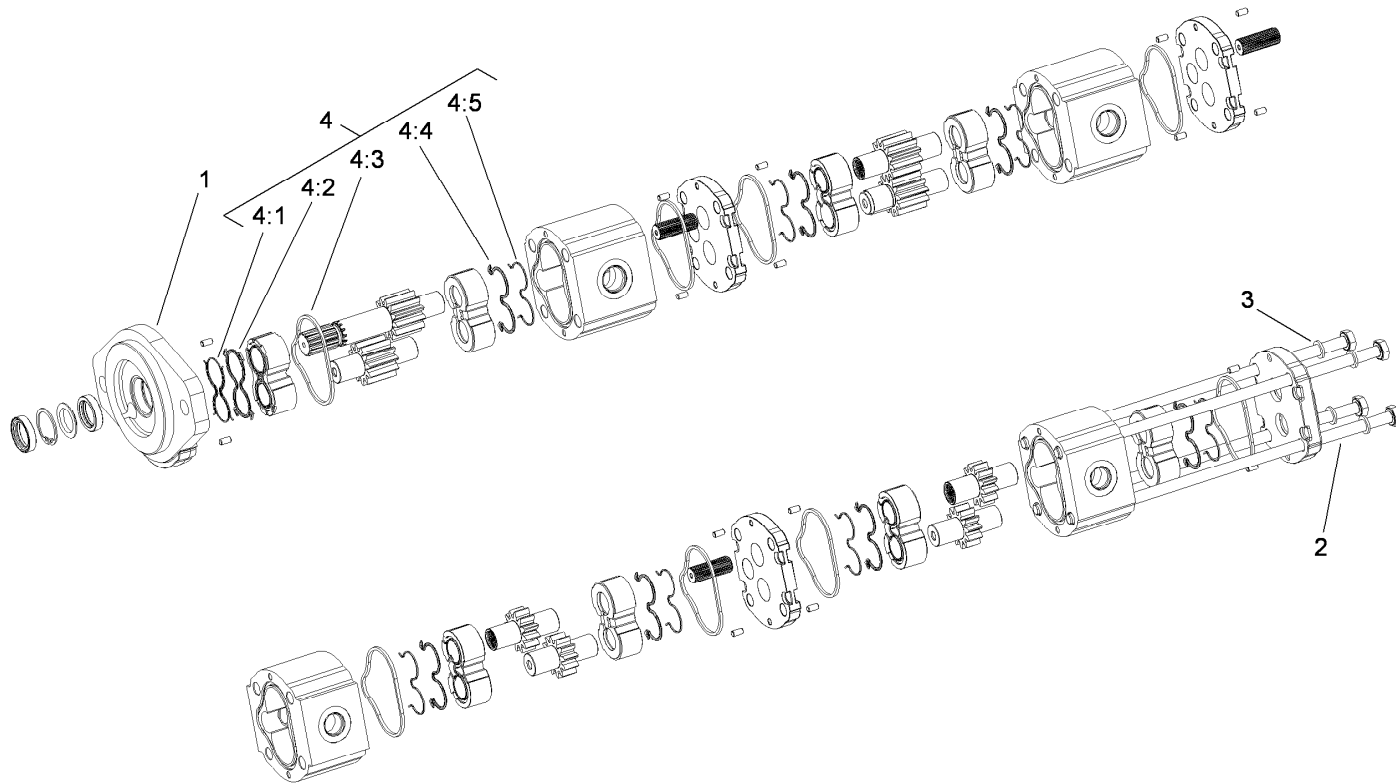


## Control Assembly No. 115-4446

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    |             | 1    | Housing-Control ●       |
| 2    | 108-7099    | 1    | Input Control Shaft ASM |
| 2:1  |             | 1    | Shaft ●                 |
| 2:2  |             | 1    | Pin ●                   |
| 3    |             | 1    | Ring-Retaining ●        |
| 4    |             | 1    | Plug ●                  |
| 5    |             | 1    | Link-Feedback ●         |
| 6    | 108-7098    | 1    | Valve Spool ASM         |
| 6:1  |             | 1    | Valve-Spool ●           |
| 6:2  |             | 1    | Pin-Dowel ●             |
| 6:3  |             | 1    | Spring ●                |
| 6:4  |             | 2    | Retainer ●              |
| 6:5  |             | 1    | Screw ●                 |
| 7    |             | 1    | Plug ●                  |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 8    |             | 2    | Screw-Set ●                |
| 9    | 108-8003    | 1    | Adaptor ASM                |
| 9:1  |             | 1    | Adaptor-Lockout, Neutral ● |
| 9:2  |             | 1    | Pin ●                      |
| 9:3  |             | 1    | Ball ●                     |
| 9:4  |             | 1    | Ring-Retaining ●           |
| 9:5  |             | 1    | Ring-Retaining ●           |
| 10   | 115-3795    | 1    | Switch-Neutral             |
| 11   | 94-3044     | 1    | Seal Kit                   |
| 11:1 | 117-8979    | 1    | Seal-Shaft                 |
| 11:2 | 105-2901    | 1    | Gasket-Housing, Control    |
| 11:3 |             | 1    | Ring-Retaining ●           |
| 11:4 |             | 1    | Ring-Retaining ●           |
| 11:5 |             | 1    | Seal-Wiper ●               |

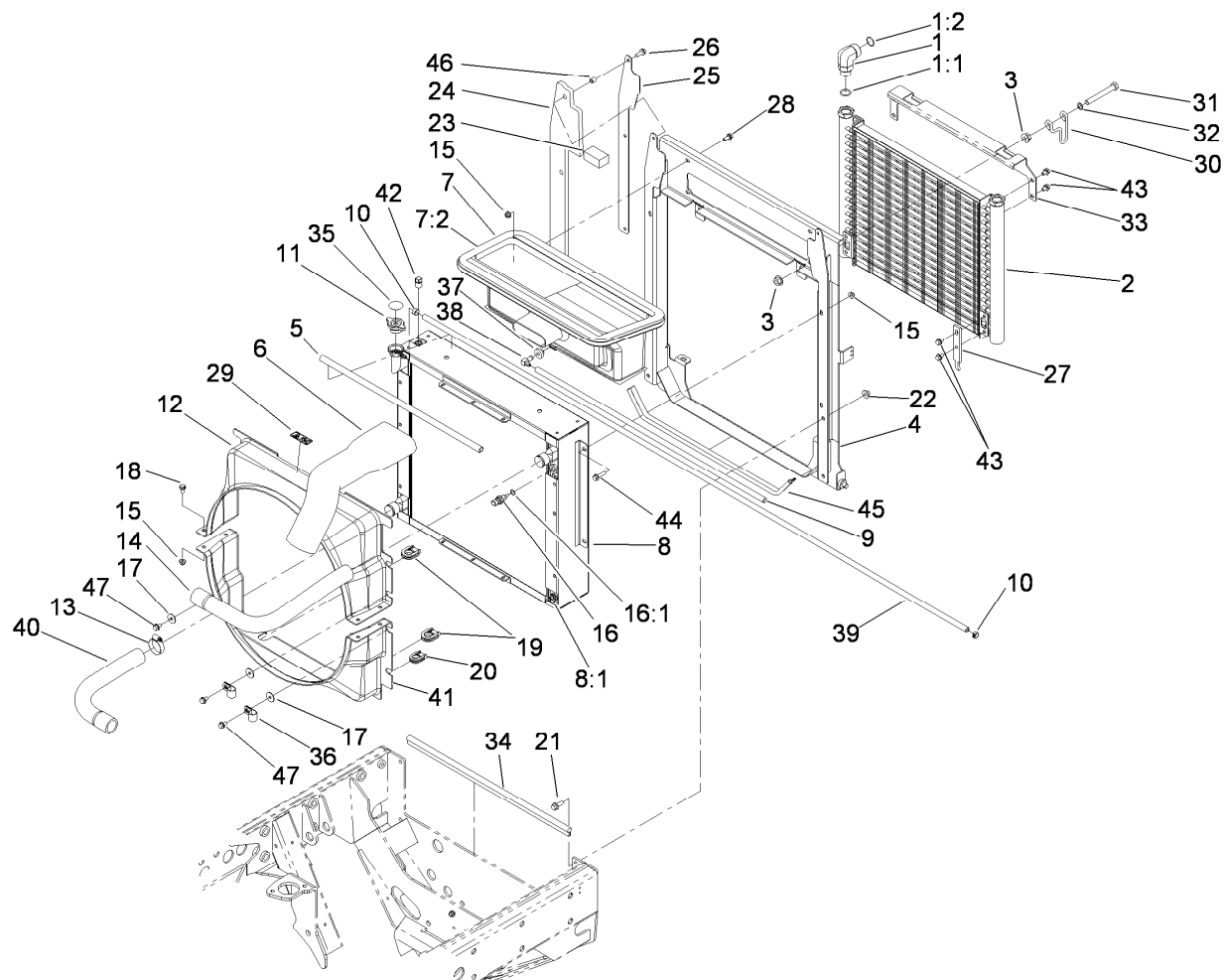
● Not serviced separately



## Four Section Pump Assembly No. 114-4189

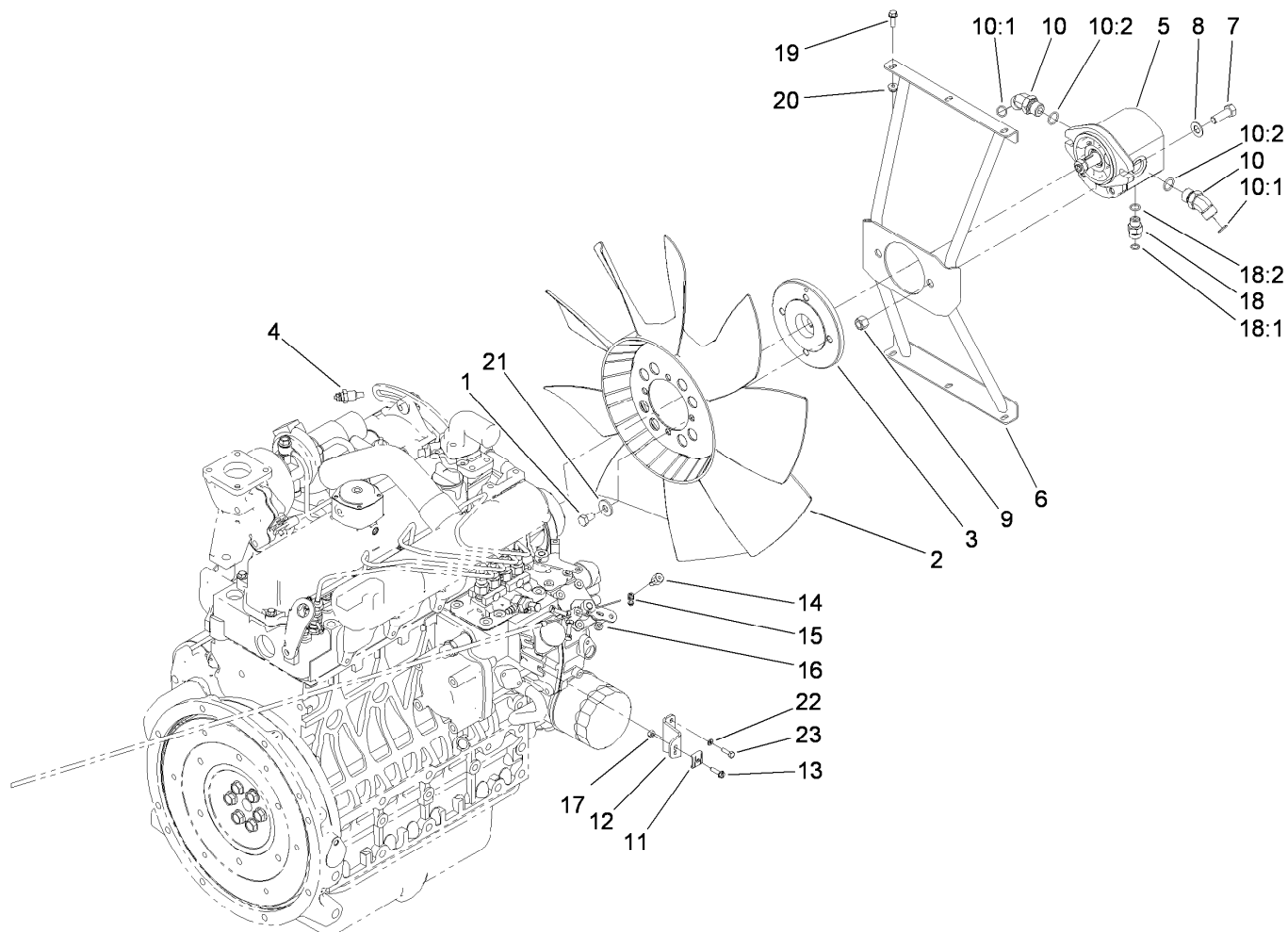
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 115-3774    | 1    | Cover-Front |
| 2    | 115-4444    | 4    | Bolt        |
| 3    | 115-9138    | 4    | Washer      |
| 4    | 115-3776    | 1    | Seal Kit    |
| 4:1  |             | 1    | Seal ●      |
| 4:2  |             | 1    | Seal ●      |
| 4:3  |             | 8    | Seal ●      |
| 4:4  |             | 7    | Seal ●      |
| 4:5  |             | 7    | Seal ●      |

● Not serviced separately



## Radiator Assembly

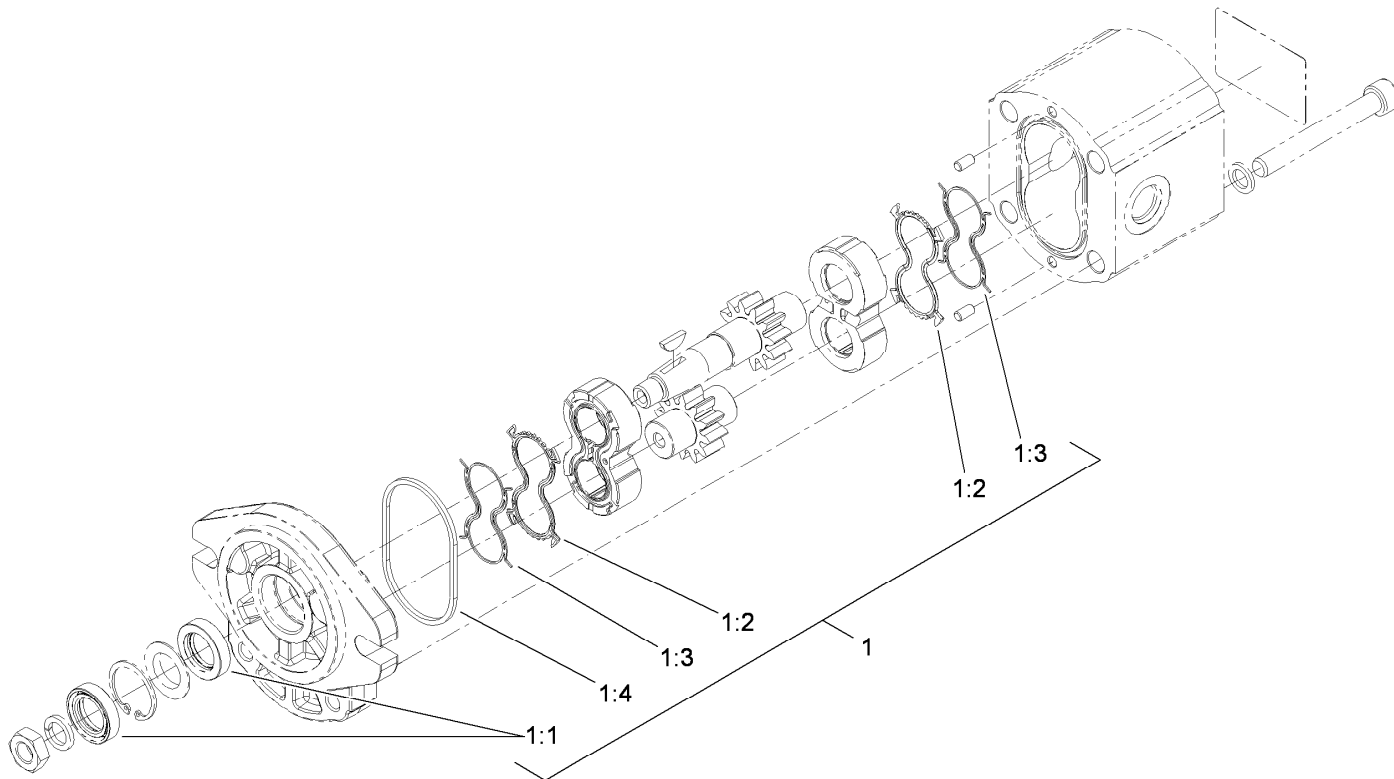
| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description             |
|------|-------------|------|------------------------|------|-------------|------|-------------------------|
| 1    | 104-3796    | 2    | Fitting-Elbow 90       | 22   | 32128-43    | 4    | Nut-Flange              |
| 1:1  | 237-81      | 1    | O-Ring                 | 23   | 115-9133    | 2    | Seal-Foam               |
| 1:2  | 340-65      | 1    | O-Ring                 | 24   | 117-4780    | 2    | Seal-Foam, Hood         |
| 2    | 110-0485    | 1    | Cooler-Oil             | 25   | 117-4781-03 | 2    | Bracket-Seal Hood       |
| 3    | 32128-49    | 4    | Nut-HHF                | 26   | 32144-41    | 2    | Screw-Taptite           |
| 4    | 114-4153-03 | 1    | Radiator Mount ASM     | 27   | 104-5460-03 | 2    | Plate-Mount, Oil Cooler |
| 5    | 114-3828    | 1    | Seal-Bulb              | 28   | 3234-47     | 8    | Screw-HHF               |
| 6    | 114-4152    | 1    | Hose-Air Cleaner       | 29   | 117-4766    | 1    | Decal-Warning, Fan      |
| 7    | 115-4363    | 1    | Plenum ASM             | 30   | 104-5429    | 2    | Clamp-Form, Wire        |
| 7:2  | 115-4393    | 1    | Seal-Plenum            | 31   | 325-17      | 2    | Screw-HH                |
| 8    | 114-3833    | 1    | Radiator               | 32   | 41-8440     | 2    | Washer                  |
| 8:1  | 304-46      | 1    | Draincock              | 33   | 114-4193    | 1    | Bracket-Oil Cooler, Top |
| 9    | 110-3258    | 1    | Hose-Fuel              | 34   | 105-9858    | 1    | Seal-Bulb               |
| 10   | 92-2379     | 3    | Clamp-Hose             | 35   | 106-6755    | 1    | Decal-Cap, Radiator     |
| 11   | 93-5957     | 1    | Cap-Radiator           | 36   | 2412-81     | 2    | Clamp-R                 |
| 12   | 114-3816    | 1    | Shroud-Radiator, Upper | 37   | 46-6560     | 1    | Bushing                 |
| 13   | 2412-111    | 4    | Clamp                  | 38   | 46-6550     | 1    | Fitting-Elbow, 90 DEG   |
| 14   | 114-3831    | 1    | Hose-Radiator, Upper   | 39   | 110-6184    | 1    | Hose-Fuel               |
| 15   | 104-8300    | 12   | Nut-HF, NI             | 40   | 114-3832    | 1    | Hose-Radiator, Lower    |
| 16   | 110-8829    | 1    | Sender-Temperature     | 41   | 114-3834    | 1    | Shroud-Radiator, Lower  |
| 16:1 | 237-42      | 1    | O-Ring                 | 42   | 281-13      | 1    | Plug-Pipe               |
| 17   | 3256-82     | 8    | Washer-Flat            | 43   | 100-1719    | 8    | Screw-Flange            |
| 18   | 3234-7      | 4    | Screw-HHF              | 44   | 3234-36     | 4    | Screw-HHF               |
| 19   | 115-3763    | 2    | Grommet (.800 ID)      | 45   | 117-4782    | 1    | Seal-Bulb               |
| 20   | 115-3764    | 1    | Grommet (.680 ID)      | 46   | 1-603903    | 6    | Spacer                  |
| 21   | 3234-11     | 4    | Screw-HHF              | 47   | 3234-30     | 8    | Screw-HHF               |



## Fan and Motor Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 115-8486    | 4    | Screw-HH                |
| 2    | 114-3825    | 1    | Fan                     |
| 3    | 117-2364    | 1    | Hub-Fan                 |
| 4    | 98-9346     | 1    | Sender-Temperature      |
| 5    | 117-4769    | 1    | HYD Motor ASM           |
| 6    | 114-9764-03 | 1    | Bracket-Motor, Fan      |
| 7    | 324-5       | 2    | Screw-HH                |
| 8    | 3256-25     | 2    | Washer-Flat             |
| 9    | 3296-48     | 2    | Nut-Hex                 |
| 10   | 340-101     | 2    | Fitting-HYD, 45 DEG     |
| 10:1 | 237-30      | 1    | O-Ring                  |
| 10:2 | 237-79      | 1    | O-Ring                  |
| 11   | 81-1690     | 1    | Clamp-Cable             |
| 12   | 115-9114-03 | 1    | Support-Cable, Throttle |

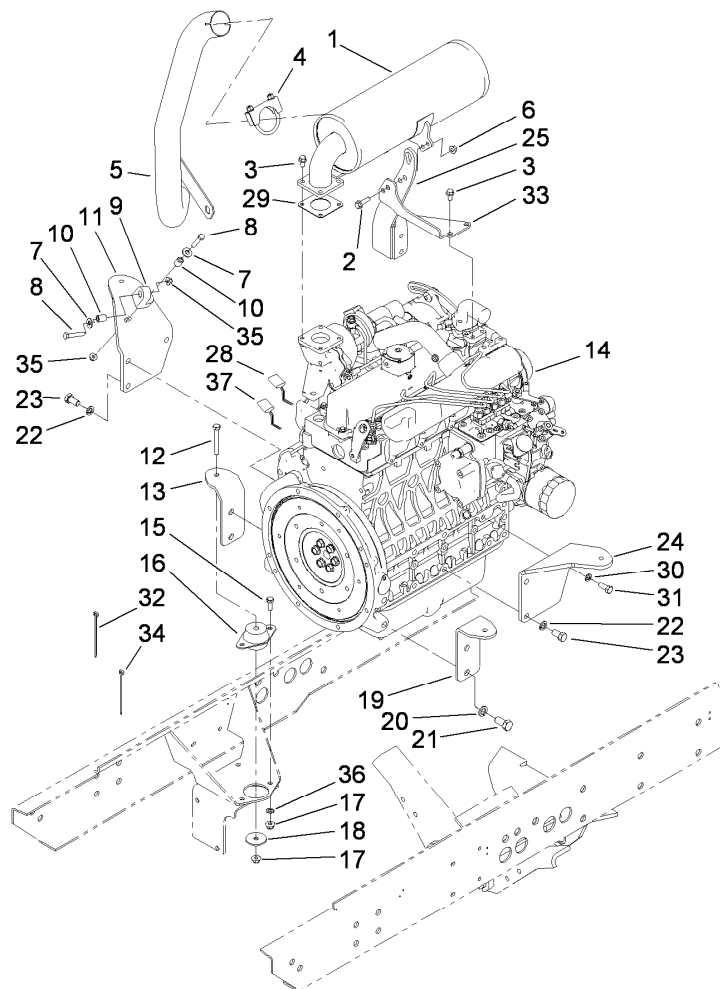
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 13   | 32105-13    | 1    | Screw-HWH              |
| 14   | 93-0021     | 1    | Swivel-Cable, Throttle |
| 15   | 112-9919    | 1    | Stop-Cable, Throttle   |
| 16   | 3296-13     | 1    | Nut-Lock, NI           |
| 17   | 3296-2      | 1    | Nut-Lock, NI           |
| 18   | 340-2       | 1    | Fitting-Straight       |
| 18:1 | 237-22      | 1    | O-Ring                 |
| 18:2 | 237-42      | 1    | O-Ring                 |
| 19   | 99-6810     | 6    | Screw-HHF              |
| 20   | 104-7201    | 6    | Nut-HF                 |
| 21   | 80-6990     | 4    | Washer-Hardened        |
| 22   | 43-5930     | 2    | Washer-Lock, Spring    |
| 23   | 33113-020   | 2    | Screw-HH               |



## Hydraulic Motor Assembly No. 117-4769

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------|
| 1           | 115-4110           | 1           | Seal Kit                |
| 1:1         |                    | 2           | Seal-Shaft ●            |
| 1:2         |                    | 2           | Seal-Plate, Balancing ● |
| 1:3         |                    | 2           | Seal-Anti Extrusion ●   |
| 1:4         |                    | 2           | O Ring-Housing ●        |

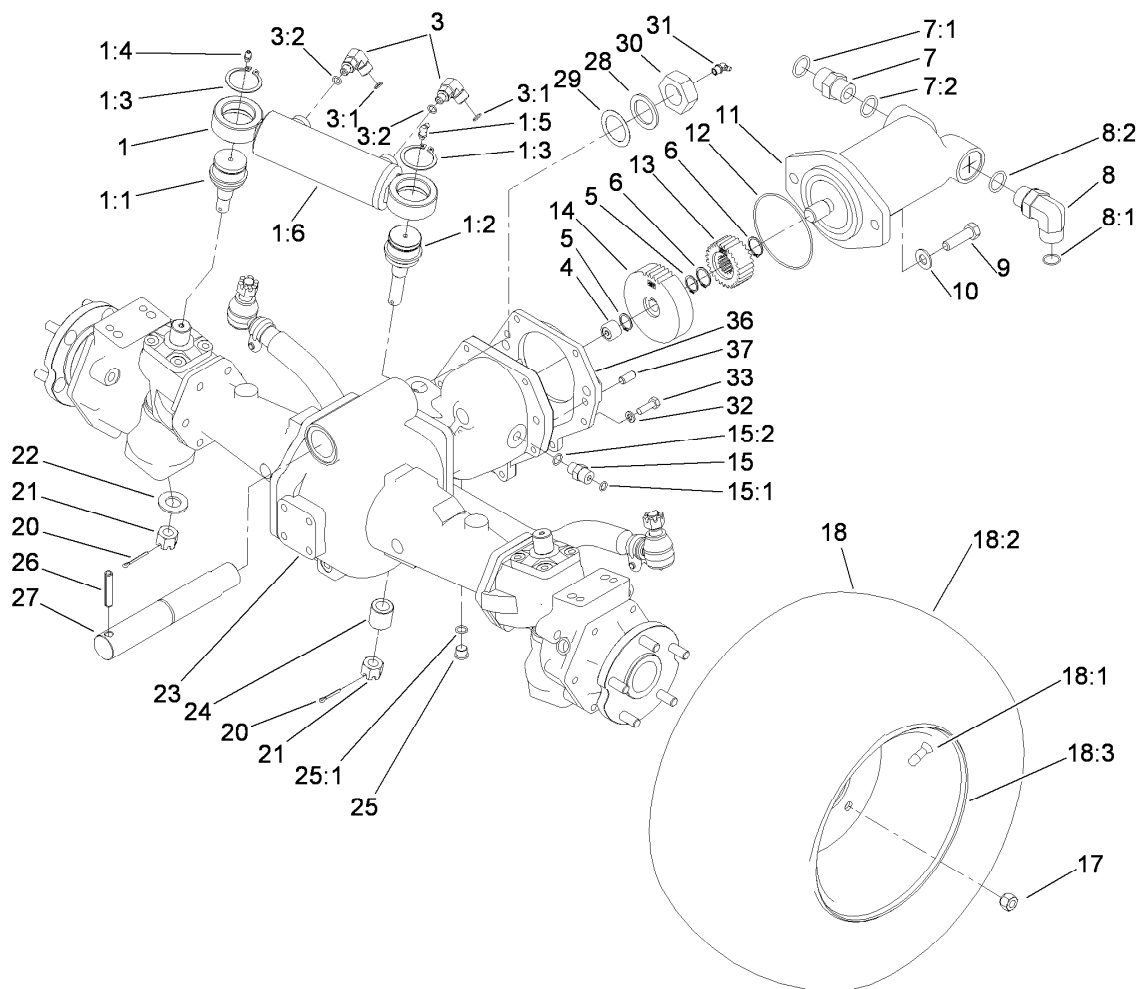
● Not serviced separately



## Engine Installation Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 114-3849    | 1    | Muffler-Turbo          |
| 2    | 33104-030   | 2    | Screw-HHF              |
| 3    | 33104-016   | 6    | Screw-HHF              |
| 4    | 49-2580     | 1    | Clamp-Muffler          |
| 5    | 114-4181    | 1    | Pipe-Exhaust           |
| 6    | 33004-00    | 4    | Nut-HF                 |
| 7    | 3256-3      | 2    | Washer-Flat            |
| 8    | 322-9       | 2    | Screw-HH               |
| 9    | 95-5622     | 1    | Hanger-Rubber          |
| 10   | 93-5023     | 2    | Spacer                 |
| 11   | 114-3807-03 | 1    | Mount-Engine, RH       |
| 12   | 323-13      | 4    | Screw-HH               |
| 13   | 114-4170-03 | 1    | Mount-Engine, Front RH |
| 14   | 114-3800    | 1    | Engine ASM             |
| 15   | 3234-11     | 10   | Screw-HHF              |
| 16   | 53-9682     | 4    | Mount-Engine           |
| 17   | 104-8301    | 14   | Nut-HF, NI             |
| 18   | 63-7400     | 4    | Washer-Rebound         |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 19   | 114-4169-03 | 1    | Mount-Engine, Front, LH  |
| 20   | 43-5950     | 4    | Washer-Lock, Spring      |
| 21   | 43-3210     | 4    | Screw-HH                 |
| 22   | 48-8070     | 5    | Washer-Lock              |
| 23   | 42-9250     | 5    | Bolt                     |
| 24   | 114-3817-03 | 1    | Mount-Engine, LH         |
| 25   | 114-9781-03 | 1    | Mount-Exhaust            |
| 28   | 117-2370    | 1    | Harness-Ground           |
| 29   | 100-9333    | 1    | Gasket-Muffler           |
| 30   | 43-0090     | 1    | Screw-HH                 |
| 31   | 48-9590     | 1    | Washer-Lock              |
| 32   | 3290-378    | 3    | Tie-Cable                |
| 33   | 112-9113-03 | 1    | Mount-Exhaust            |
| 34   | 3290-379    | 2    | Tie-Cable                |
| 35   | 104-8300    | 2    | Nut-HF, NI               |
| 36   | 3255-9      | 1    | Washer-Lock              |
| 37   | 117-2372    | 1    | Harness-Wire, Alternator |

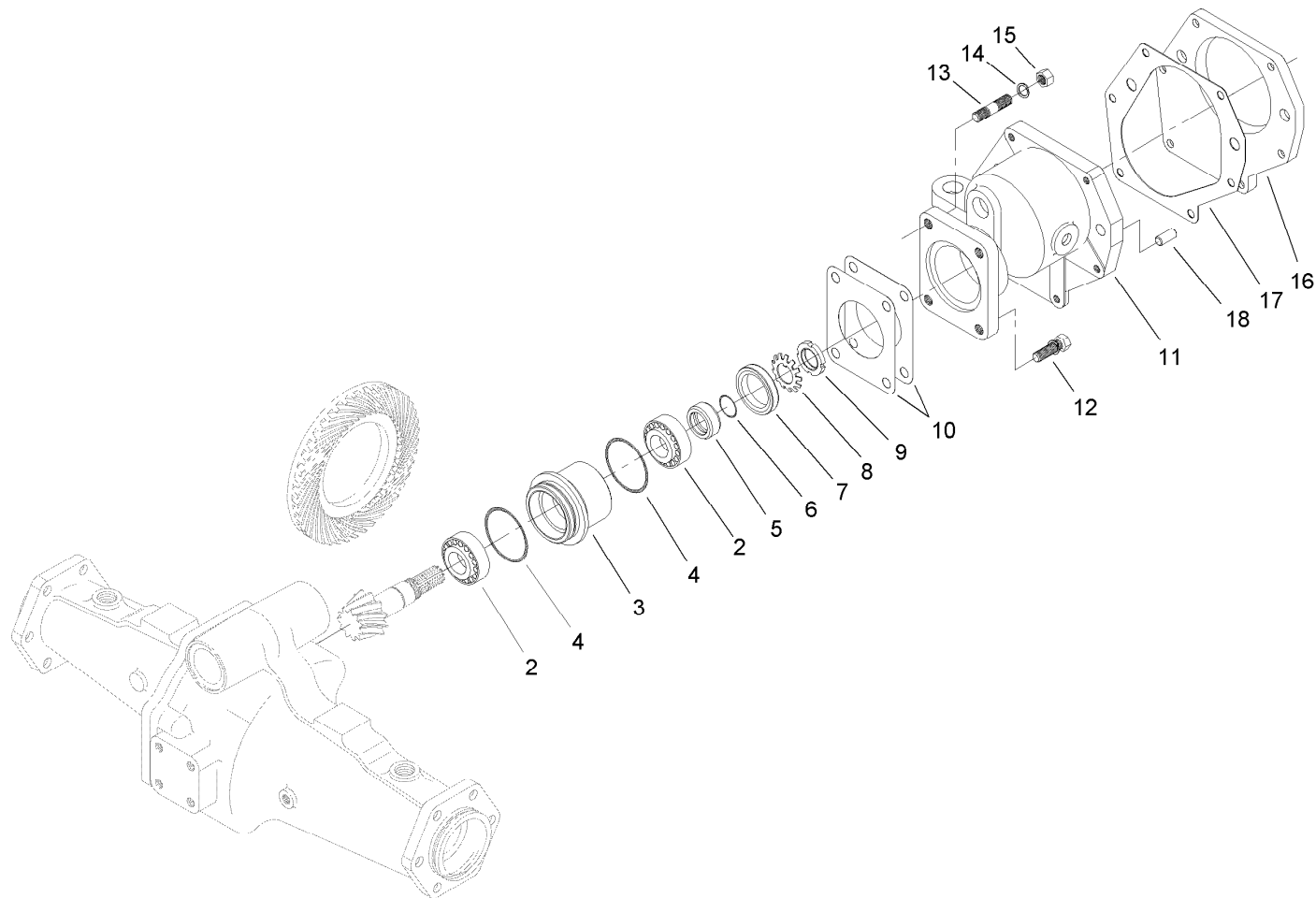


## Rear Axle Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 105-9861    | 1    | Steering Cylinder ASM    |
| 1:1  | 106-6774    | 1    | Joint-Ball               |
| 1:2  | 100-3795    | 1    | Joint-Ball               |
| 1:3  | 32151-104   | 2    | Ring-Retaining, External |
| 1:4  | 302-5       | 1    | Fitting-Grease           |
| 1:5  | 302-60      | 1    | Fitting-Grease           |
| 1:6  | 107-1976    | 1    | HYD Cylinder ASM         |
| 3    | 340-97      | 2    | Fitting-Elbow, 90 DEG    |
| 3:1  | 237-22      | 1    | O-Ring                   |
| 3:2  | 237-78      | 1    | O-Ring                   |
| 4    | 74-5700     | 1    | Bearing-Needle, Roller   |
| 5    | 32120-15    | 2    | Ring-Snap, EXT           |
| 6    | 32120-76    | 2    | Ring-Snap, EXT           |
| 7    | 340-9       | 1    | Fitting-STR              |
| 7:1  | 237-58      | 1    | O-Ring                   |
| 7:2  | 237-81      | 1    | O-Ring                   |
| 8    | 340-142     | 1    | Fitting-Elbow, 90 DEG    |
| 8:1  | 237-58      | 1    | O-Ring                   |
| 8:2  | 237-81      | 1    | O-Ring                   |
| 9    | 325-7       | 2    | Screw-HH                 |
| 10   | 3256-26     | 2    | Washer-Flat              |
| 11   | 105-1219    | 1    | HYD Motor ASM            |
| 12   | 237-166     | 1    | O-Ring                   |
| 13   | 104-0755    | 1    | Pinion-27 Tooth          |
| 14   | 100-3053    | 1    | Gear-45 Tooth            |

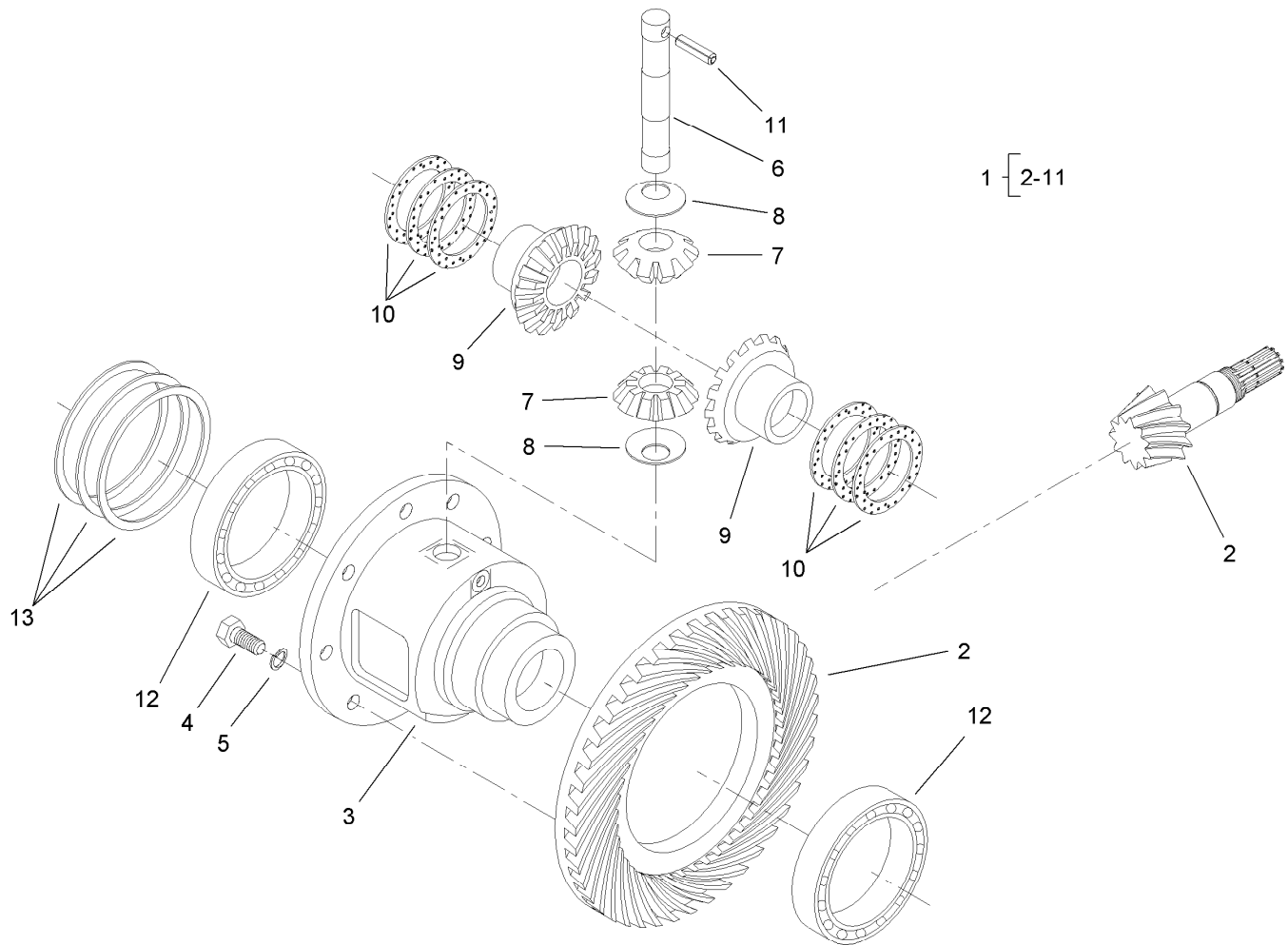
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 15   | 340-2       | 1    | Fitting-Straight     |
| 15:1 | 237-22      | 1    | O-Ring               |
| 15:2 | 237-42      | 1    | O-Ring               |
| 17   | 93-5268     | 10   | Nut-Lug              |
| 18   |             | 2    | Tire And Wheel ASM ● |
| 18:1 | 232-27      | 1    | Stem-Valve           |
| 18:2 | 104-0451    | 1    | Tire-Turf, Trac      |
| 18:3 | 105-9219    | 1    | Wheel                |
| 20   | 3272-11     | 2    | Pin-Cotter           |
| 21   | 32136-14    | 2    | Nut-Hst              |
| 22   | 92-5836     | 1    | Washer               |
| 23   | 110-4750    | 1    | Drive Axle ASM       |
| 24   | 100-3796    | 1    | Spacer-Joint, Ball   |
| 25   | 353-989     | 1    | Plug-Hex, Hollow     |
| 25:1 | 237-42      | 1    | O-Ring               |
| 26   | 32121-110   | 1    | Pin-Roll, Slotted    |
| 27   | 115-9142    | 1    | Pin-Rear Axle        |
| 28   | 92-1765     | 1    | Washer-Thrust        |
| 29   | 98-3867     | 2    | Washer-Thrust        |
| 30   | 3296-68     | 1    | Nut-Lock, NI         |
| 31   | 302-33      | 1    | Fitting-Grease       |
| 32   | 3253-4      | 6    | Washer-Lock          |
| 33   | 33114-025   | 6    | Screw-HH             |
| 36   | 95-7541     | 1    | Plate-Cover          |
| 37   | 104-2353    | 2    | Pin-Dowel            |

● Not serviced separately



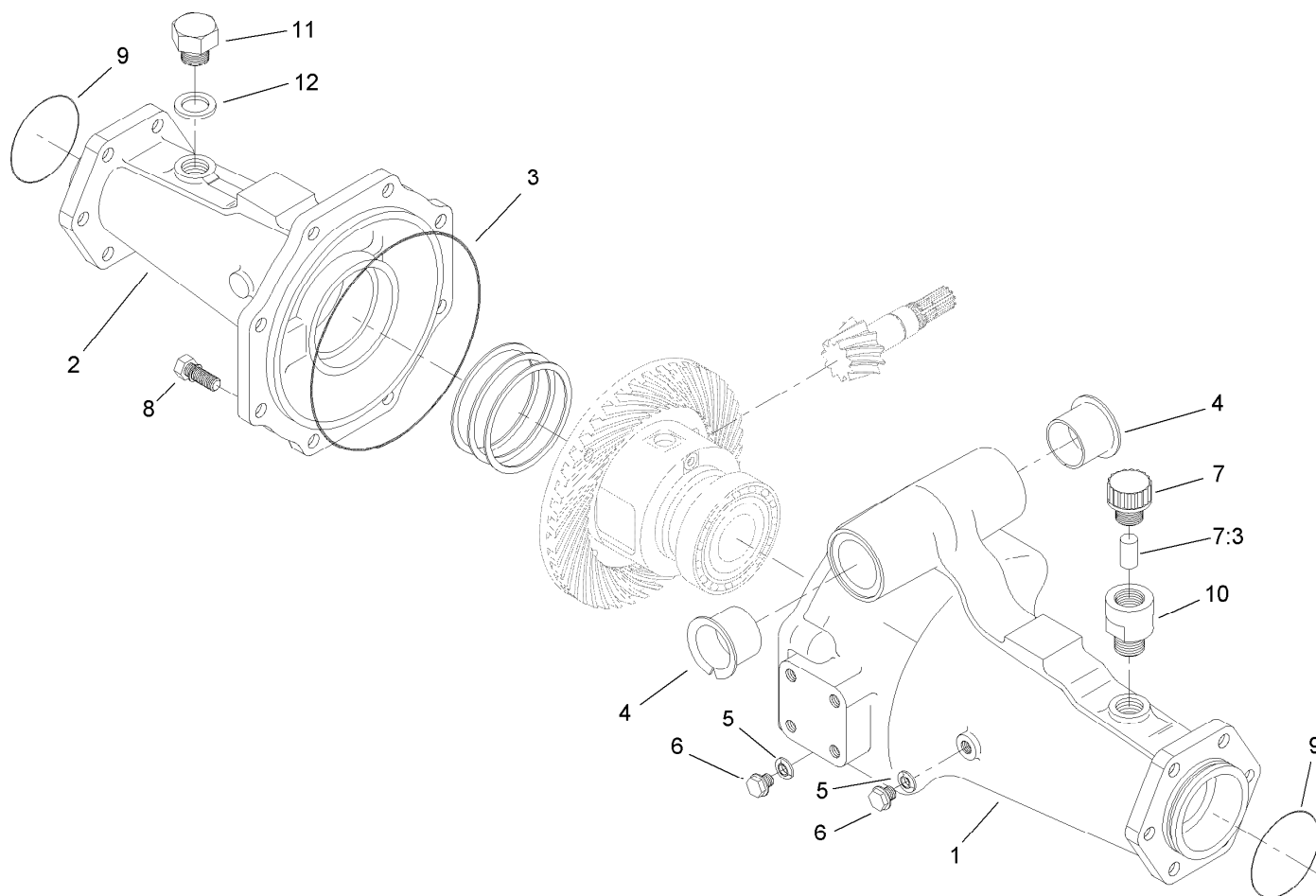
## Bevel Pinion Shaft Assembly Rear Axle Assembly No. 110-4750

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 2    | 99-7570     | 2    | Bearing-Roller, Taper |
| 3    | 95-7534     | 1    | Case-Bearing          |
| 4    | 106-1065    | 2    | O-Ring                |
| 5    | 99-7572     | 1    | Collar-Seal, Oil      |
| 6    | 106-1066    | 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   | 98-7735     | 2    | Stud                  |
| 14   | 99-7527     | 2    | Washer-Spring         |
| 15   | 99-7526     | 2    | Nut                   |
| 16   | 95-7541     | 1    | Plate-Cover           |
| 17   | 106-1140    | 1    | Gasket                |
| 18   | 104-2353    | 2    | Pin-Dowel             |



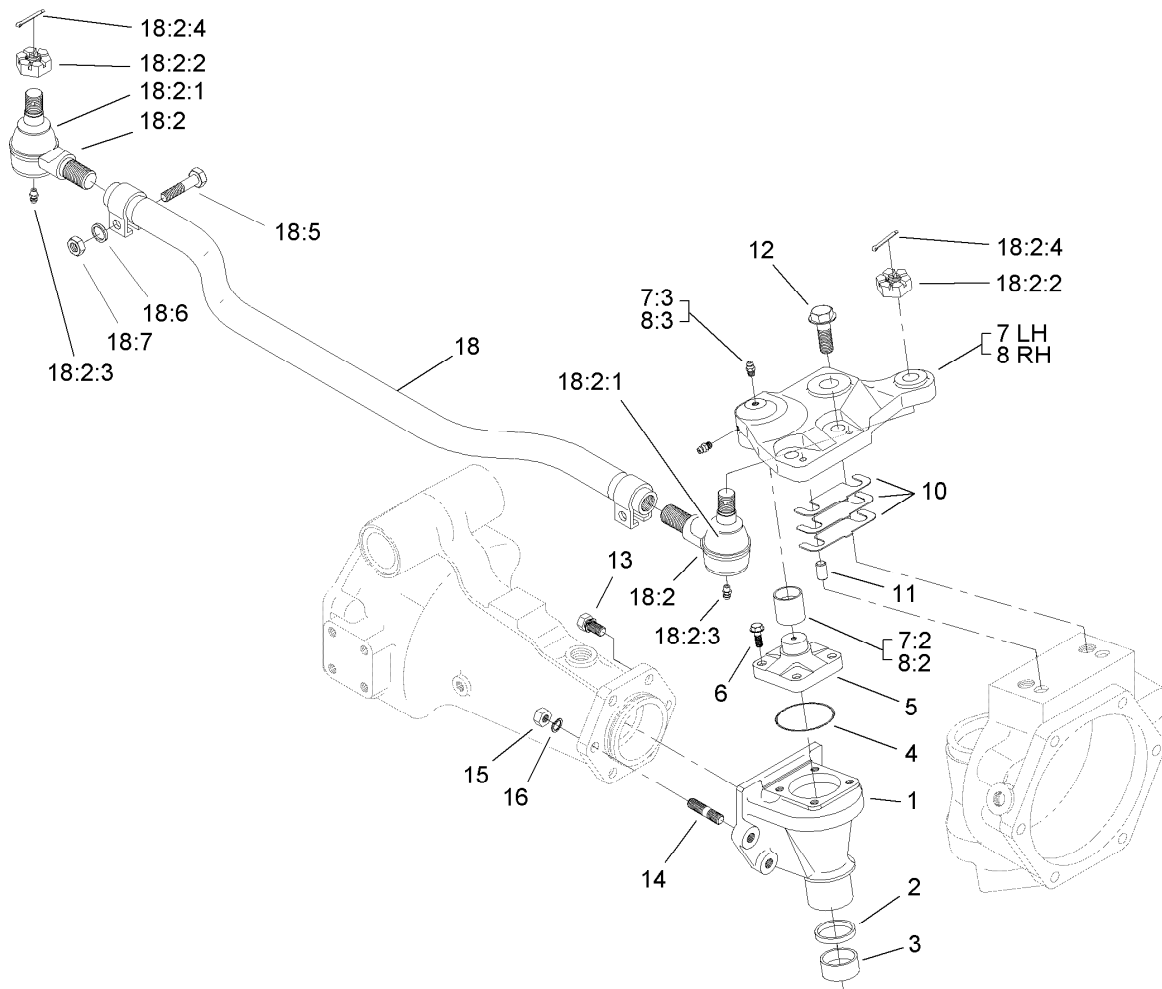
## Differential Assembly Rear Axle Assembly No. 110-4750

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 95-7503     | 1    | Differential ASM            |
| 2    | 100-2555    | 1    | Ring And Pinion Matched Set |
| 3    | 95-7502     | 1    | Case-Differential           |
| 4    | 99-7576     | 8    | Bolt                        |
| 5    | 3253-4      | 8    | Washer-Lock                 |
| 6    | 99-7578     | 1    | Shaft-Differential          |
| 7    | 99-7579     | 2    | Pinion-Differential         |
| 8    | 99-7580     | 2    | Washer-Differential         |
| 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                    |



## Axle Support Assembly Rear Axle Assembly No. 110-4750

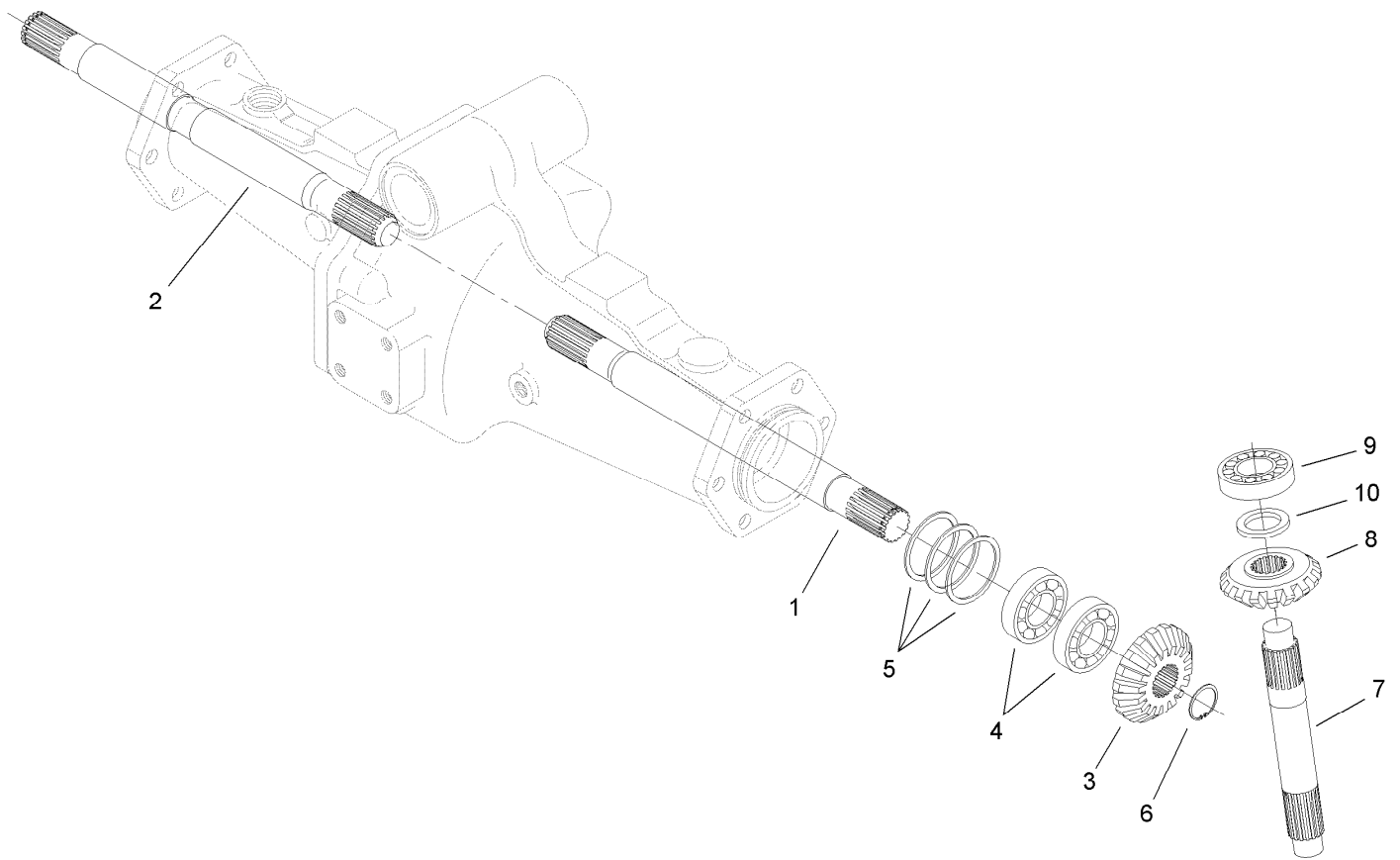
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 95-7508     | 1    | Support-Axle        |
| 2    | 95-7506     | 1    | Support-Axle        |
| 3    | 106-1067    | 1    | O-Ring              |
| 4    | 95-7537     | 2    | Bushing-Flanged     |
| 5    | 99-7590     | 2    | Washer-Seal         |
| 6    | 99-7589     | 2    | Plug                |
| 7    | 110-4812    | 1    | Axle Vent ASM       |
| 7:3  | 110-4815    | 1    | Insert-Filter, Foam |
| 8    | 99-7592     | 8    | Bolt                |
| 9    | 106-1068    | 2    | O-Ring              |
| 10   | 104-2377    | 1    | Extension-Vent      |
| 11   | 104-8643    | 1    | Plug                |
| 12   | 104-8644    | 1    | O-Ring              |



## Bevel Gear Case Assembly Rear Axle Assembly No. 110-4750

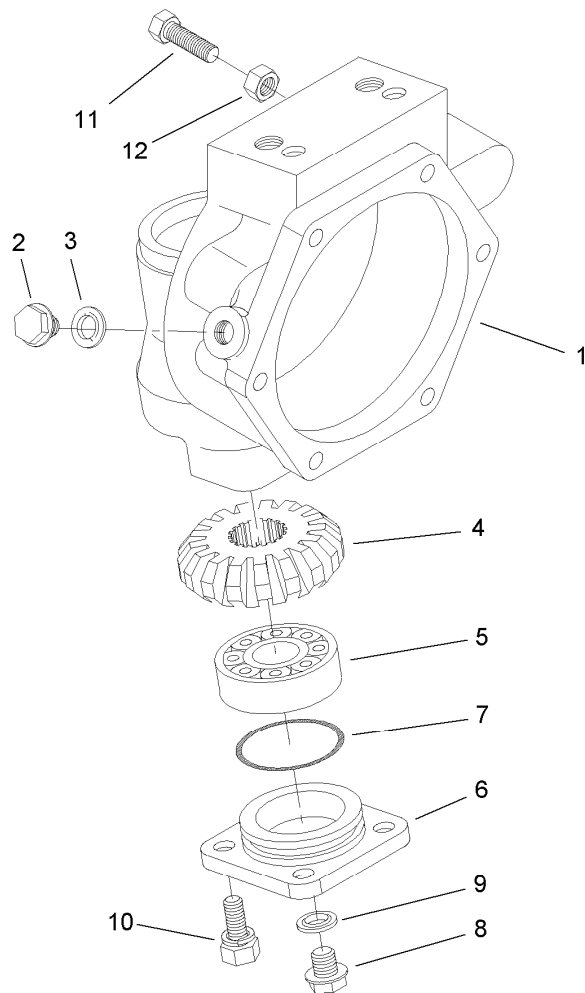
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 110-4752    | 2    | Case-Gear, Bevel    |
| 2    | 110-4754    | 2    | Seal-Oil            |
| 3    | 104-2378    | 2    | Bushing             |
| 4    | 106-1069    | 2    | O-Ring              |
| 5    | 104-2373    | 2    | Knuckle             |
| 6    | 104-2374    | 8    | Bolt                |
| 7    | 100-3768    | 1    | LH Steering Arm ASM |
| 7:2  | 104-8634    | 1    | Bushing             |
| 7:3  | 106-1104    | 2    | Fitting-Grease      |
| 8    | 100-3766    | 1    | RH Steering Arm ASM |
| 8:2  | 104-8634    | 1    | Bushing             |
| 8:3  | 106-1104    | 2    | Fitting-Grease      |
| 10   | 95-7547     | 2    | Shim 0.1            |
| 10   | 95-7548     | 2    | Shim 0.2            |
| 10   | 95-7549     | 2    | Shim 0.3            |
| 11   | 99-7597     | 4    | Pin-Dowel           |

| Ref.   | Part Number | Qty. | Description          |
|--------|-------------|------|----------------------|
| 12     | 104-2375    | 4    | Bolt                 |
| 13     | 99-7599     | 8    | Bolt                 |
| 14     | 99-7525     | 4    | Stud                 |
| 15     | 99-7526     | 4    | Nut                  |
| 16     | 99-7527     | 4    | Washer-Spring        |
| 18     | 106-1141    | 1    | Steering Tie Rod ASM |
| 18:2   | 106-1113    | 2    | Tie Rod End ASM - RH |
| 18:2:1 | 100-3853    | 1    | Cover-Dust           |
| 18:2:2 | 100-3854    | 1    | Nut-Castle           |
| 18:2:3 | 110-4755    | 1    | Fitting-Grease       |
| 18:2:4 | 3272-11     | 1    | Pin-Cotter           |
| 18:5   | 100-3855    | 2    | Bolt                 |
| 18:6   | 99-7527     | 2    | Washer-Spring        |
| 18:7   | 99-7526     | 2    | Nut                  |



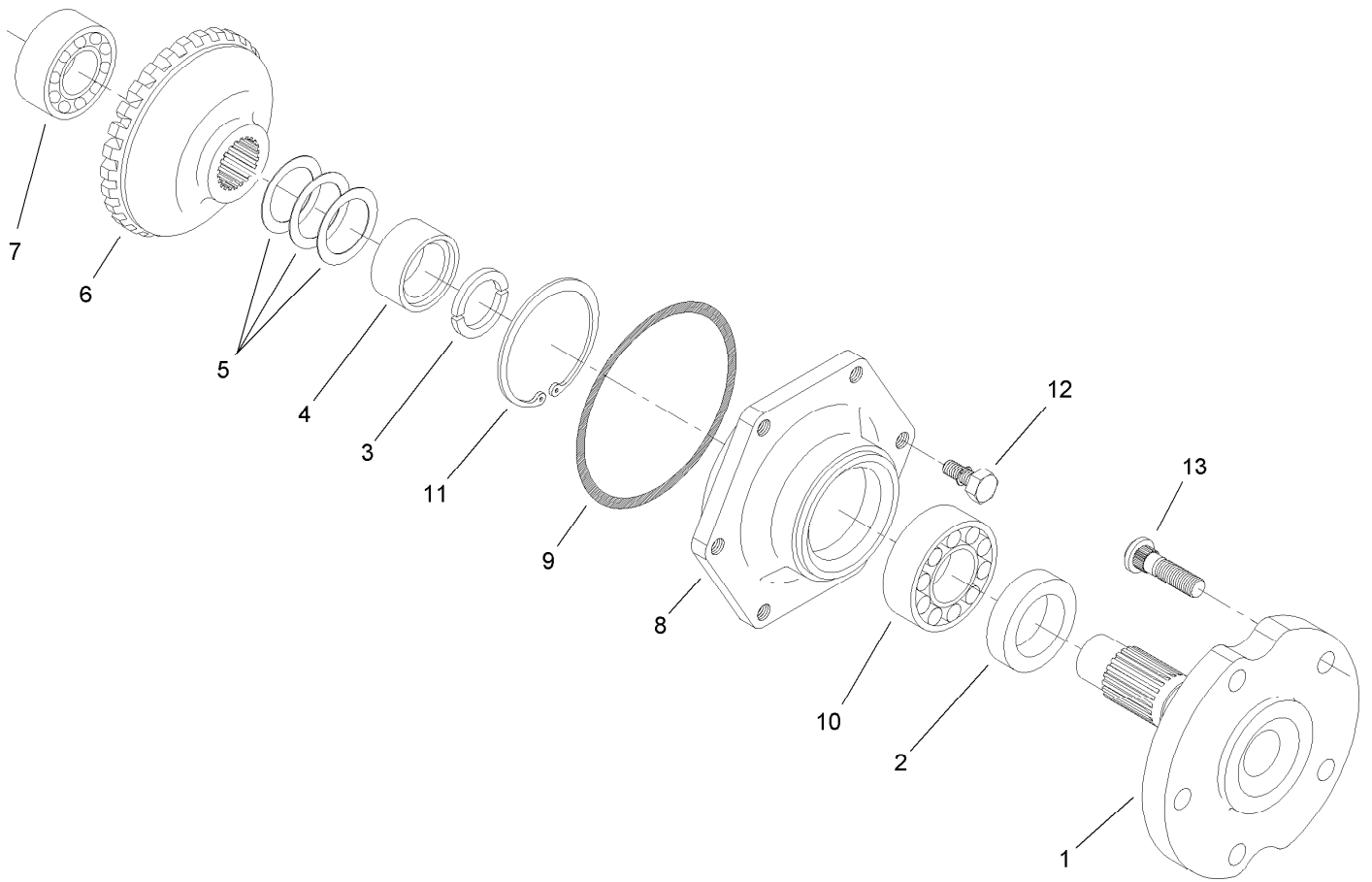
## Bevel Gear Shaft Assembly Rear Axle Assembly No. 110-4750

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 95-7509     | 1    | Shaft-Gear, Differential |
| 2    | 95-7512     | 1    | Shaft-Gear, Differential |
| 3    | 95-7517     | 2    | Gear-Bevel, 15 Tooth     |
| 4    | 99-7530     | 4    | Bearing-Ball             |
| 5    | 99-7552     | 2    | Shim 0.1                 |
| 5    | 99-7553     | 2    | Shim 0.2                 |
| 5    | 99-7554     | 2    | Shim 0.5                 |
| 6    | 99-7531     | 2    | Clip                     |
| 7    | 110-4753    | 2    | Shaft-Gear, Bevel        |
| 8    | 95-7519     | 2    | Gear-Bevel, 17 Tooth     |
| 9    | 99-7532     | 2    | Bearing-Roller, Taper    |
| 10   | 99-7558     | 2    | Collar                   |



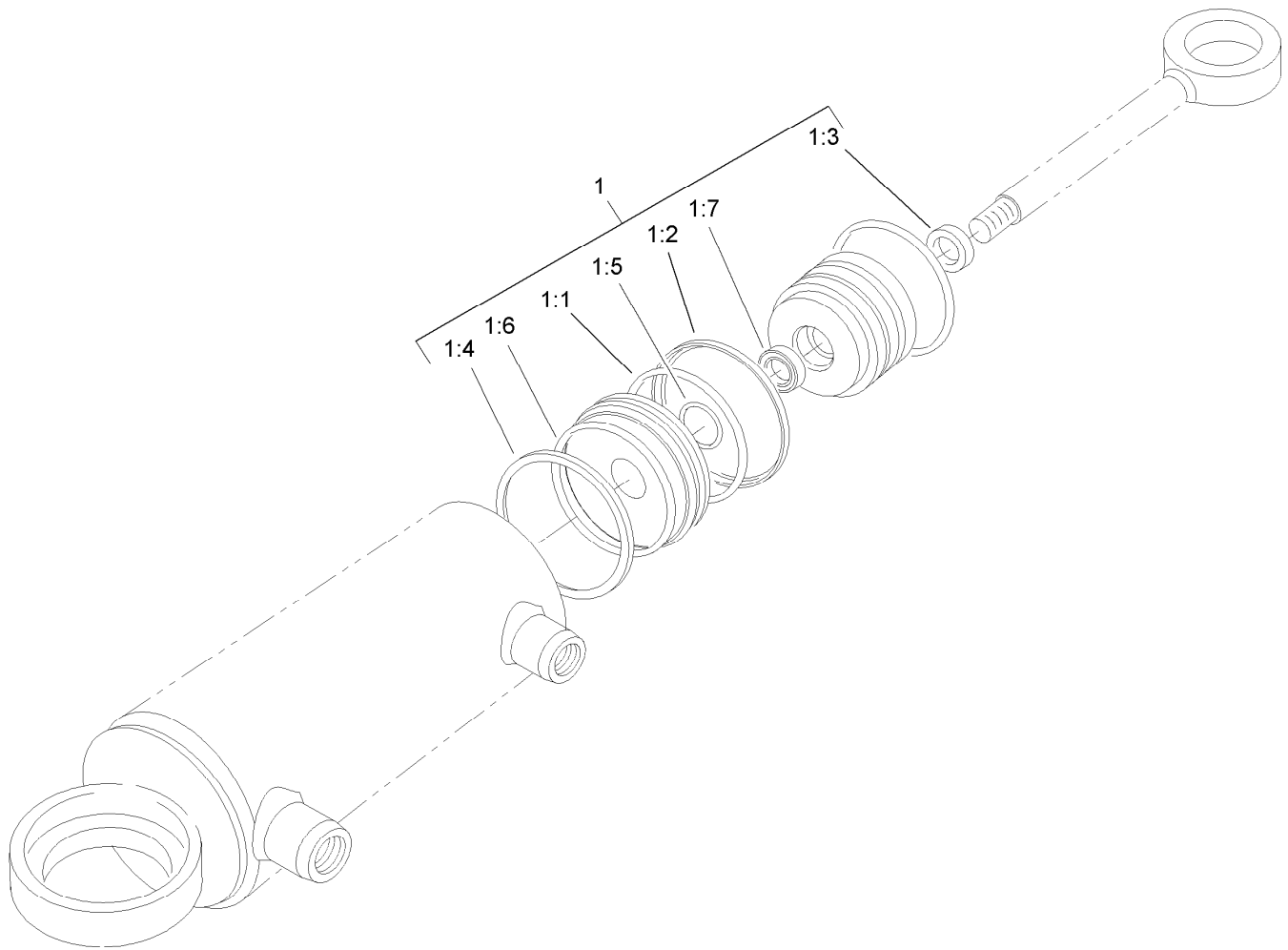
## Axle Case Assembly Rear Axle Assembly No. 110-4750

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 110-4751    | 2    | Case-Axle             |
| 2    | 99-7535     | 2    | Plug                  |
| 3    | 99-7536     | 2    | Washer-Seal           |
| 4    | 95-7527     | 2    | Gear-Bevel, 17 Tooth  |
| 5    | 99-7532     | 2    | Bearing-Roller, Taper |
| 6    | 100-2560    | 2    | Cover                 |
| 7    | 106-1070    | 2    | O-Ring                |
| 8    | 99-7589     | 2    | Plug                  |
| 9    | 99-7590     | 2    | Washer-Seal           |
| 10   | 100-2562    | 8    | Bolt                  |
| 11   | 106-1102    | 2    | Bolt-Stop             |
| 12   | 106-1103    | 2    | Nut                   |



## Axle Assembly Rear Axle Assembly No. 110-4750

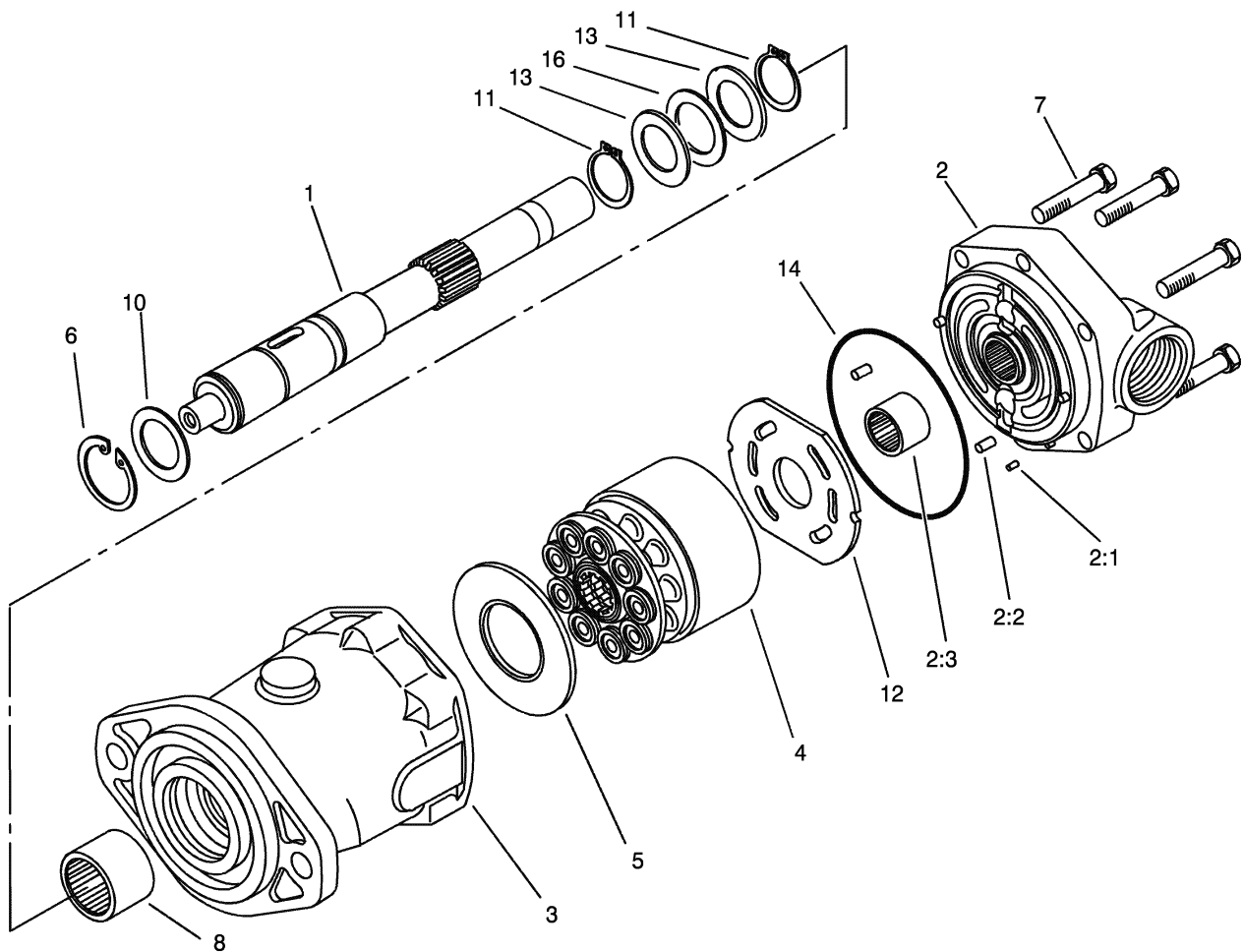
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 95-7522     | 2    | Axle                 |
| 2    | 99-7564     | 2    | Seal-Oil             |
| 3    | 95-7544     | 4    | Clip                 |
| 4    | 95-7523     | 2    | Spacer               |
| 5    | 99-7555     | 2    | Shim 0.3             |
| 5    | 99-7556     | 2    | Shim 0.2             |
| 5    | 99-7557     | 2    | Shim 0.5             |
| 6    | 95-7524     | 2    | Gear-Bevel, 29 Tooth |
| 7    | 99-7534     | 2    | Bearing-Ball         |
| 8    | 95-7521     | 2    | Cover-Axle           |
| 9    | 106-1071    | 2    | O-Ring               |
| 10   | 99-7561     | 2    | Bearing-Ball         |
| 11   | 99-7539     | 2    | Clip                 |
| 12   | 99-7596     | 12   | Bolt                 |
| 13   | 99-7563     | 10   | Stud                 |



## Hydraulic Cylinder Assembly No. 107-1976

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-0245           | 1           | Seal Kit           |
| 1:1         |                    | 1           | Ring-Retaining ●   |
| 1:2         |                    | 1           | Back-Up ●          |
| 1:3         |                    | 1           | Wiper ●            |
| 1:4         |                    | 1           | Seal ●             |
| 1:5         |                    | 1           | Ring-Retaining ●   |
| 1:6         |                    | 1           | Ring-Retaining ●   |
| 1:7         |                    | 1           | Seal ●             |

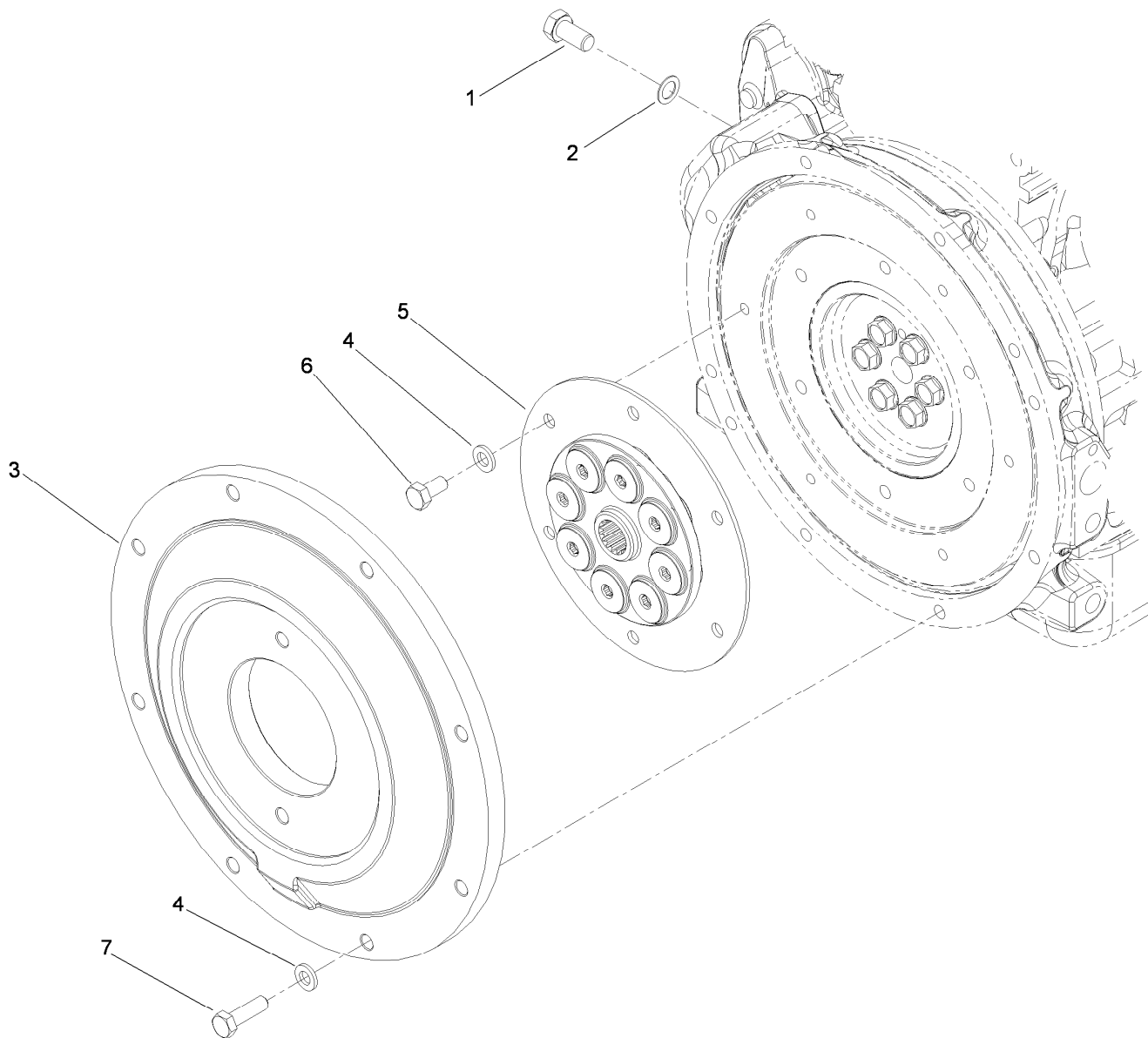
● Not serviced separately



## Piston Motor Assembly No. 105-1219

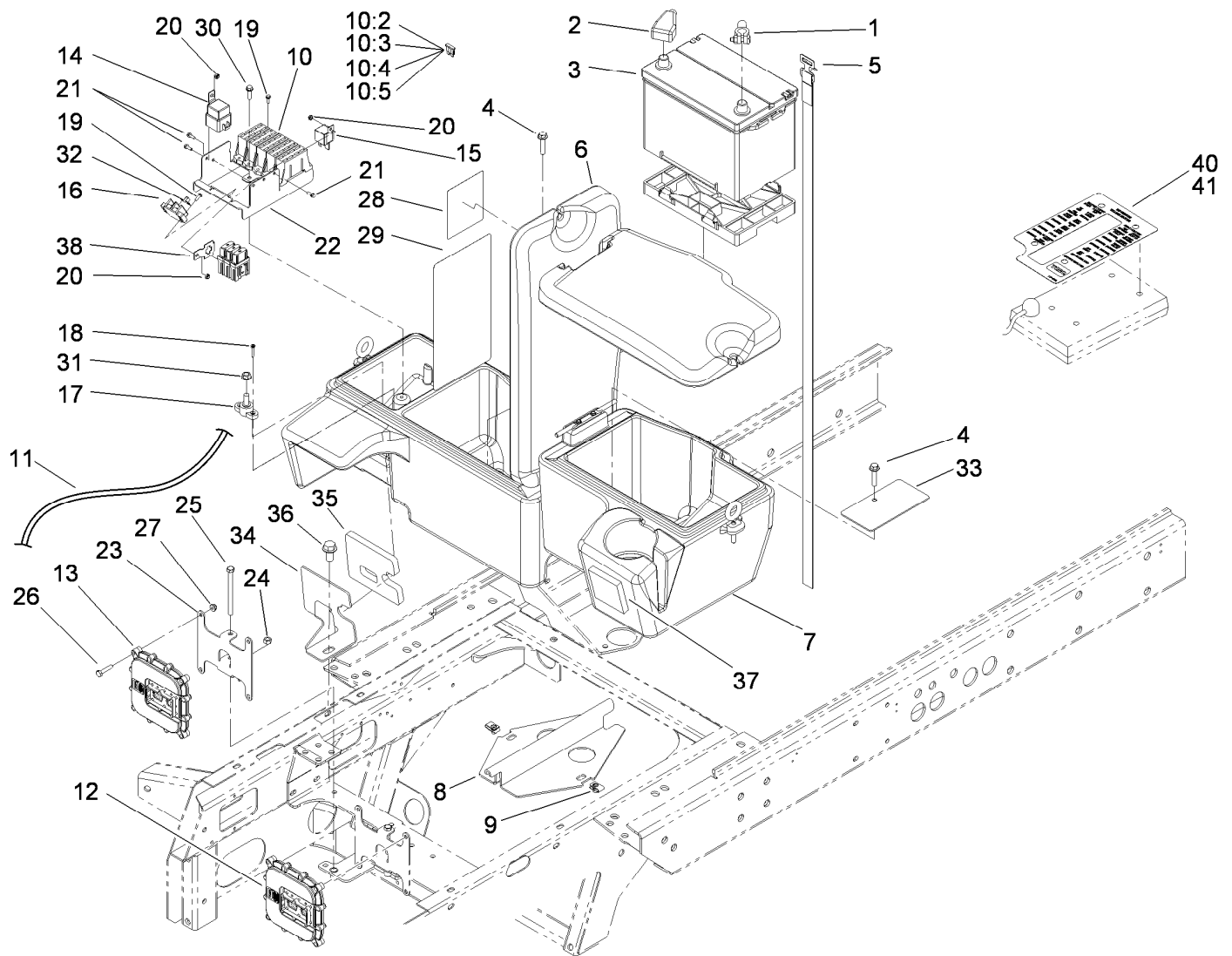
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 105-2853    | 1    | Shaft-Drive       |
| 2    | 100-2551    | 1    | Backplate         |
| 2:1  |             | 3    | Pin-Dowel ●       |
| 2:2  |             | 1    | Pin-Dowel ●       |
| 2:3  |             | 1    | Bearing-Needle ●  |
| 3    |             | 1    | Housing ●         |
| 4    | 76-6910     | 1    | Rotating Kit      |
| 5    | 76-6970     | 1    | Insert-Plate, Cam |
| 6    | 60-6260     | 1    | Ring              |
| 7    | 94-3002     | 6    | Screw-Cap         |
| 8    | 63-4390     | 1    | Bearing-Needle    |
| 10   | 76-7020     | 1    | Spacer            |
| 11   | 76-7000     | 2    | Ring-Retaining    |
| 12   | 94-3003     | 1    | Plate-Valve       |
| 13   | 76-6950     | 2    | Race-Thrust       |
| 14   | 76-6980     | 1    | O-Ring            |
| 16   | 76-6960     | 1    | Bearing-Thrust    |

● Not serviced separately



## Flywheel Coupler Assembly

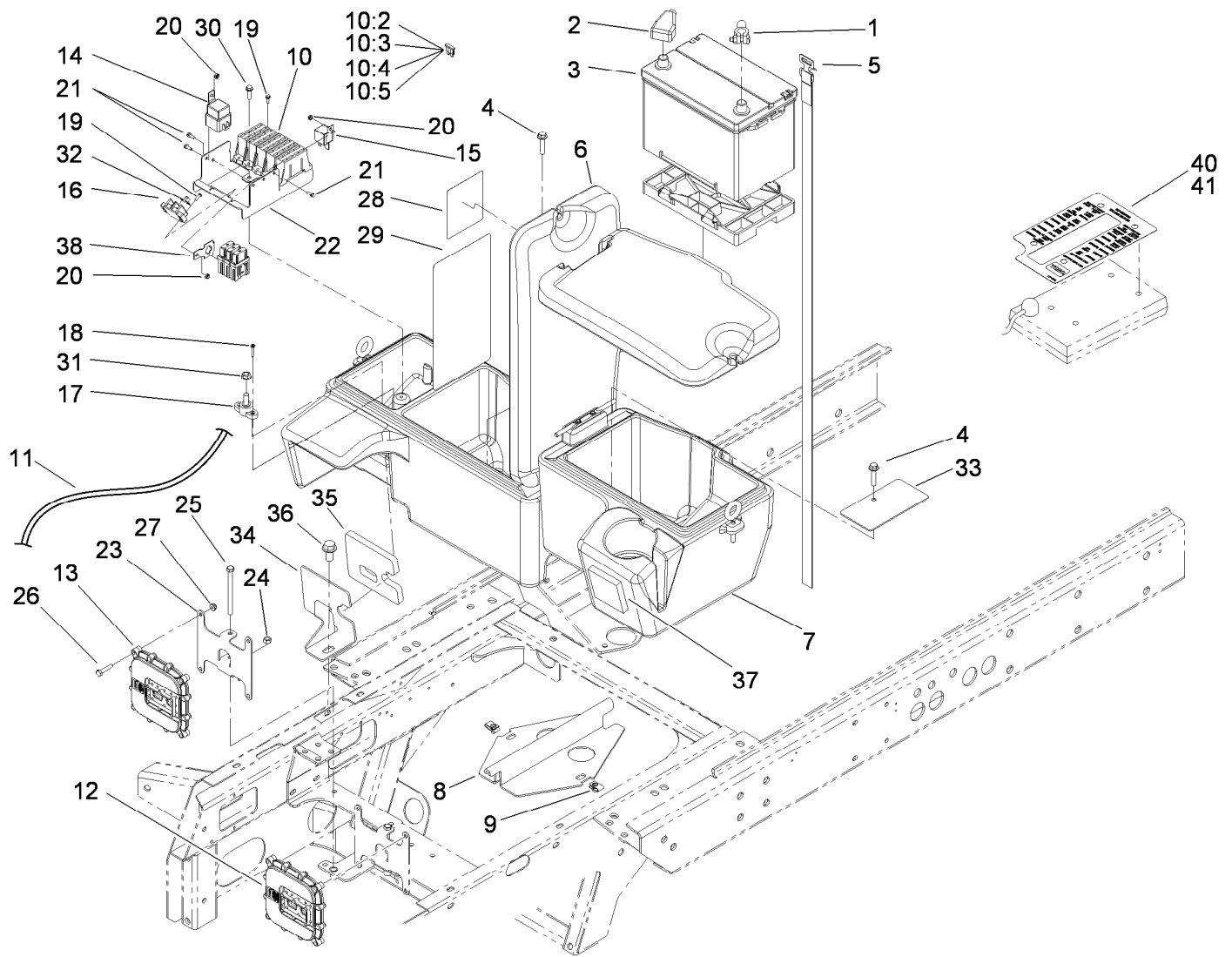
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 42-9250     | 1    | Bolt                     |
| 2    | 3255-2      | 1    | Washer-Lock, EXT         |
| 3    | 115-6657-03 | 1    | Plate-Flywheel           |
| 4    | 107-1413    | 14   | Washer-Hardened          |
| 5    | 114-3848    | 1    | Coupler-Spring, Flywheel |
| 6    | 99-5130     | 6    | Screw-HH                 |
| 7    | 117-5663    | 8    | Screw-HH                 |



## Power Center, Battery and Storage Box Assembly

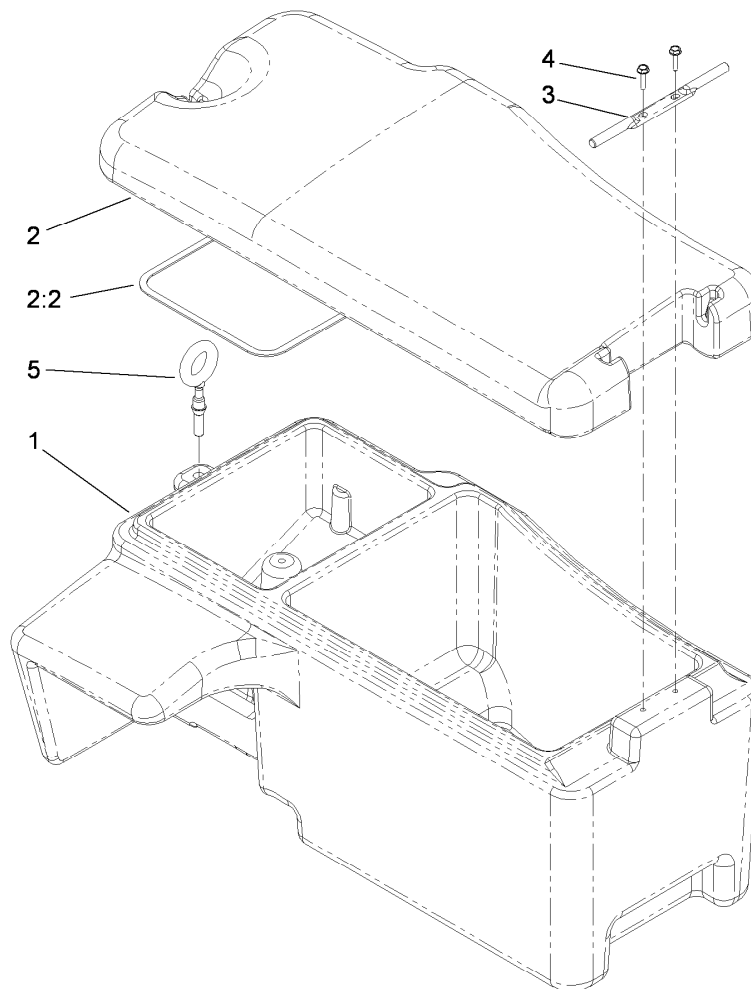
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 117-2377    | 1    | Cable-Battery, Negative |
| 2    | 117-2376    | 1    | Cable-Battery, Positive |
| 3    | 106-5190    | 1    | Battery                 |
| 4    | 115-1794    | 2    | Screw-HHF               |
| 5    | 3339-175    | 1    | Strapping-Web           |
| 6    | 115-9100    | 1    | Box-Storage, Battery    |
| 7    | 115-9101    | 1    | Box-Storage             |
| 8    | 115-4387-03 | 1    | Support-Box, Storage    |
| 9    | 112-3306    | 2    | Nut                     |
| 10   | 115-9106    | 1    | Harness-Power Center    |
| 10:2 | 94-6710     | 2    | Fuse-2 Amp              |
| 10:3 | 114241      | 6    | Fuse-Blade, 7.5 Amp     |
| 10:4 | 218-578     | 4    | Fuse-Blade, 10 Amp      |
| 10:5 | 109101      | 1    | Fuse-Blade, 20 Amp      |
| 11   | 115-9108    | 1    | Harness-Wire            |
| 12   | 114-3321    | 1    | Controller-Tec          |
| 13   | 115-1900    | 1    | Controller              |
| 14   | 99-7430     | 1    | Relay-Mini              |
| 15   | 99-7435     | 3    | Relay                   |
| 16   | 42862       | 1    | Block-Terminal, Ground  |
| 17   | 110-8822    | 1    | Block-Junction          |

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 18   | 93-0231     | 2    | Screw-PPH                 |
| 19   | 32144-87    | 6    | Screw-HWHTF               |
| 20   | 3296-54     | 5    | Nut-Lock                  |
| 21   | 112-3169    | 5    | Screw-HHF, Serrated       |
| 22   | 115-4356-03 | 1    | Mount-Fuse Block          |
| 23   | 117-2360-03 | 2    | Bracket-Mount, Controller |
| 24   | 3217-6      | 2    | Nut-Hex                   |
| 25   | 322-19      | 2    | Screw-HH                  |
| 26   | 321-8       | 8    | Screw-HH                  |
| 27   | 104-7201    | 8    | Nut-HF                    |
| 28   | 117-4761    | 1    | Decal-Fuse                |
| 29   | 117-4758    | 1    | Decal-Service             |
| 30   | 46-8091     | 1    | Screw-HWH                 |
| 31   | 3290-357    | 1    | Nut-HHF, Whiz             |
| 32   | 42863       | 1    | Strip-Jumper              |
| 33   | 117-4768-03 | 1    | Plate-Box, Storage        |
| 34   | 117-4774-03 | 1    | Clamp                     |
| 35   | 117-4775    | 1    | Seal-Battery Box          |
| 36   | 3234-6      | 1    | Screw-HHF                 |
| 37   | 117-4783    | 2    | Seal-Foam                 |
| 38   | 114-5502    | 1    | Clip-Fuse                 |



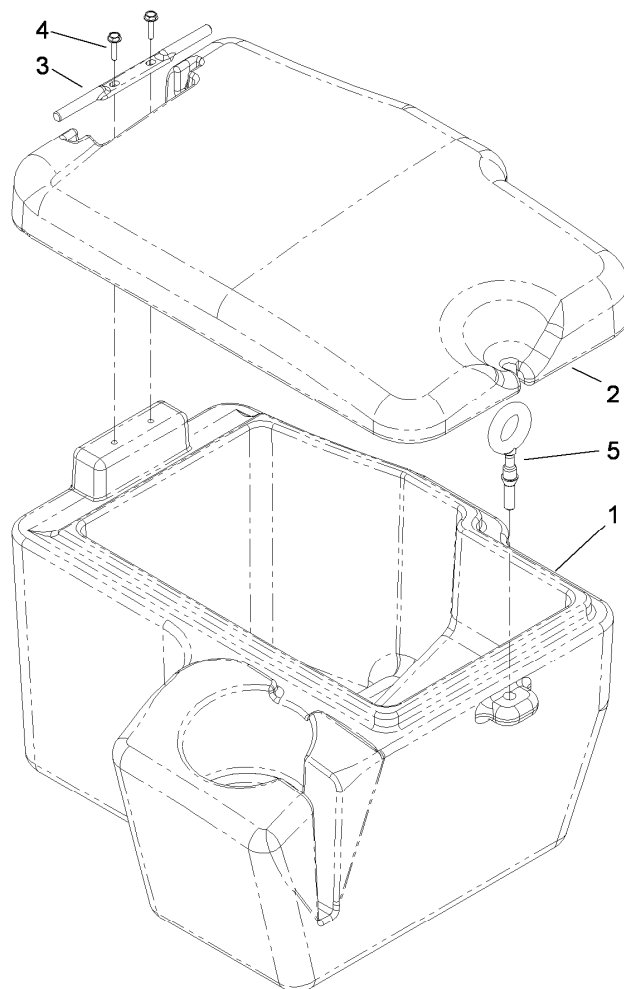
## Power Center, Battery and Storage Box Assembly (continued)

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 40   | 117-4795    | 1    | Decal-Diagnostic, Controller |
| 41   | 117-4796    | 1    | Decal-Diagnostic, Controller |



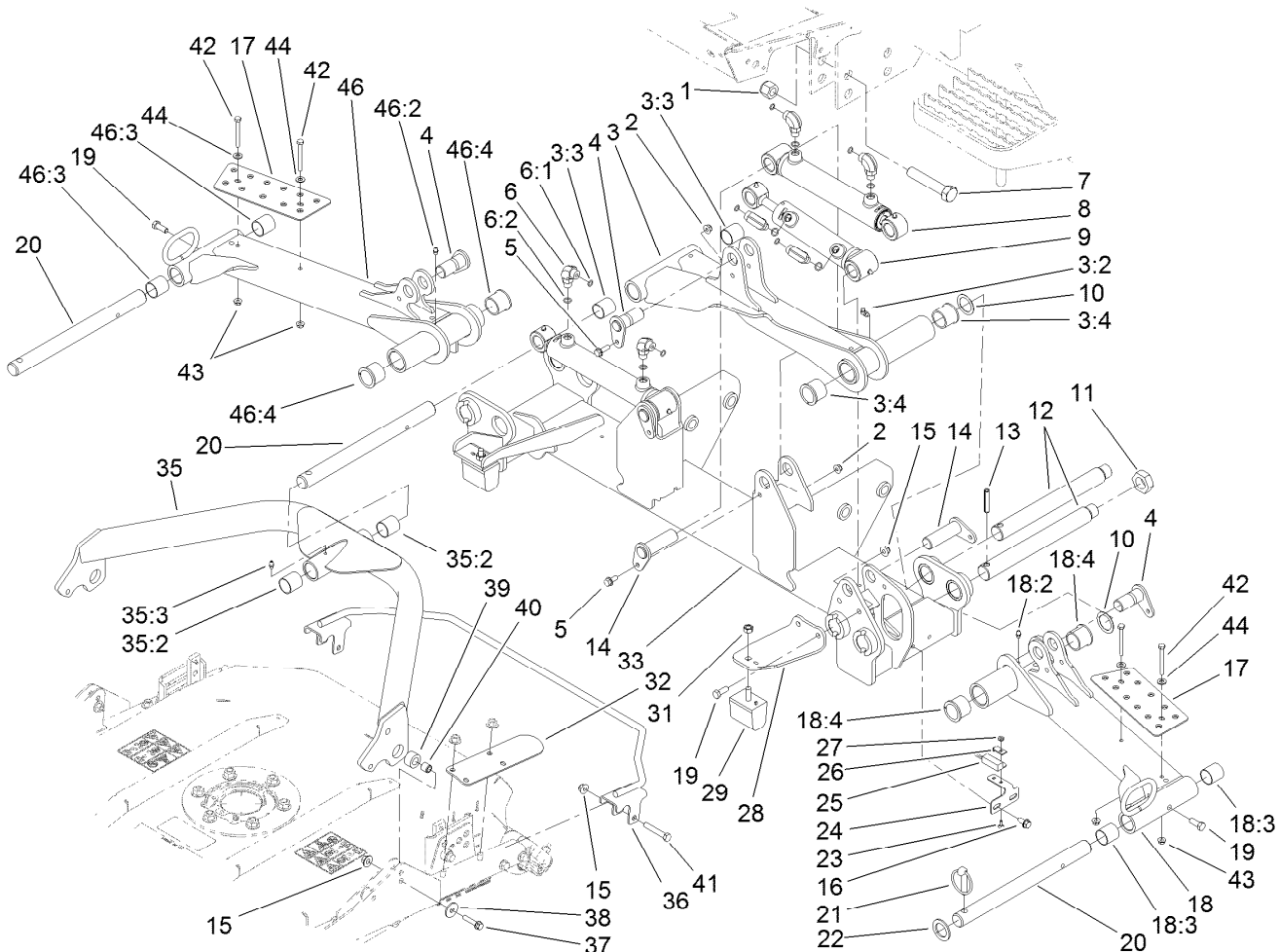
## Battery Storage Box Assembly No. 115-9100

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 114-8124           | 1           | Box-Storage, RH    |
| 2           | 115-4368           | 1           | Cover ASM          |
| 2:2         | 115-4367           | 1           | Seal-Cover         |
| 3           | 114-8132           | 1           | Hinge-Cover        |
| 4           | 98-1375            | 2           | Screw-HWH          |
| 5           | 115-4366           | 1           | Latch-Rubber       |



## Storage Box Assembly No. 115-9101

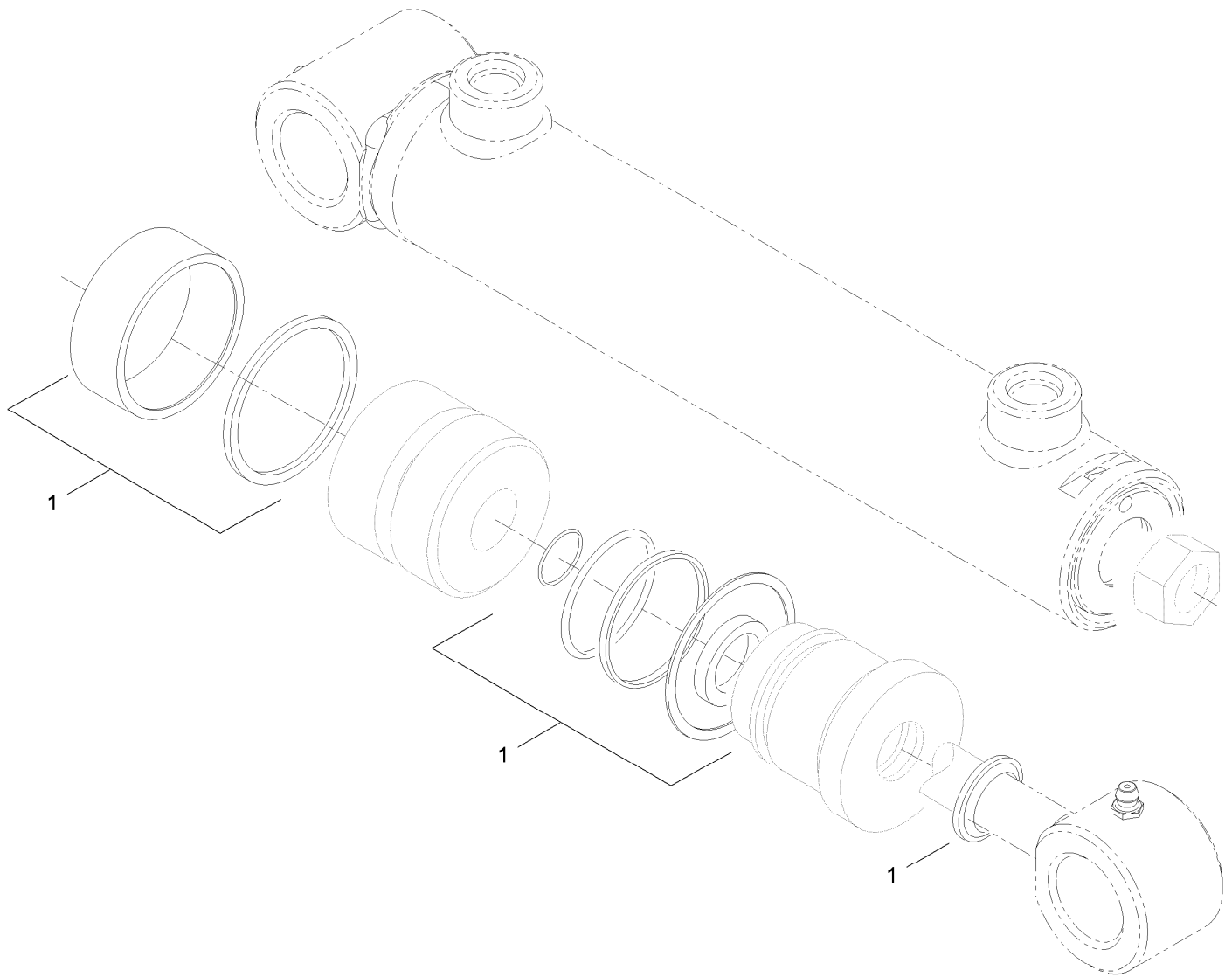
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-----------------------|
| 1           | 114-8123           | 1           | Box-Storage, LH       |
| 2           | 114-8125           | 1           | Cover-Storage Box, LH |
| 3           | 114-8132           | 1           | Hinge-Cover           |
| 4           | 98-1375            | 2           | Screw-HWH             |
| 5           | 115-4366           | 1           | Latch-Rubber          |



## Front Lift Arm Assembly

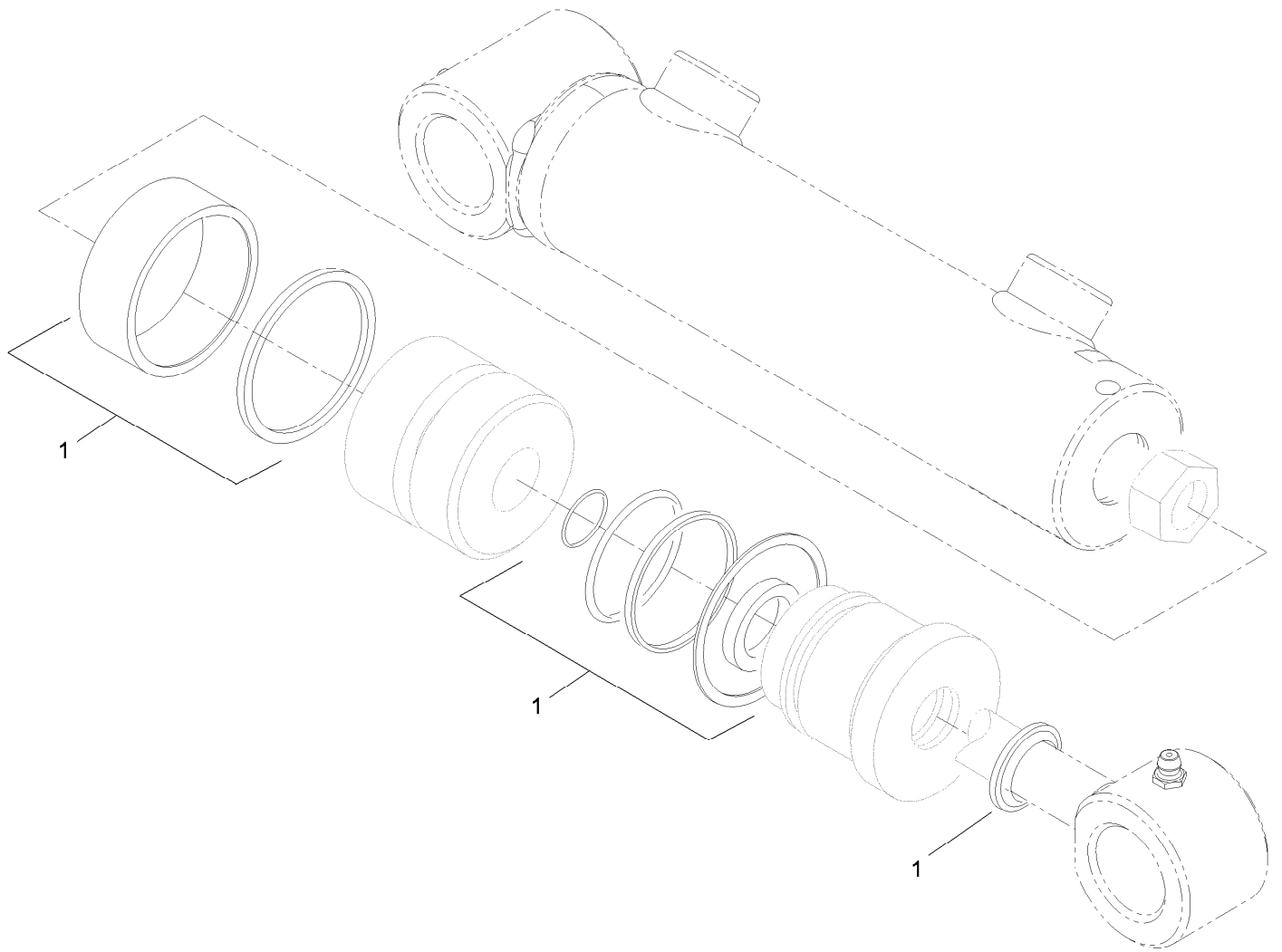
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 3296-51     | 4    | Nut-Lock, NI          |
| 2    | 104-8300    | 6    | Nut-HF, NI            |
| 3    | 108-4032    | 1    | No. 1 Lift Arm ASM    |
| 3:2  | 302-60      | 1    | Fitting-Grease        |
| 3:3  | 108-4000    | 2    | Bushing               |
| 3:4  | 104-0015    | 2    | Bushing-Flange        |
| 4    | 104-5525    | 3    | Pin-Cylinder          |
| 5    | 3234-17     | 6    | Screw-HHF             |
| 6    | 340-77      | 6    | Fitting-Elbow, 90 DEG |
| 6:1  | 237-22      | 1    | O-Ring                |
| 6:2  | 237-42      | 1    | O-Ring                |
| 7    | 328-7       | 4    | Screw-HH              |
| 8    | 107-1979    | 2    | Lift Cylinder ASM     |
| 9    | 107-1980    | 1    | Lift Cylinder ASM     |
| 10   | 76-2980     | 6    | Washer-Thrust         |
| 11   | 3296-49     | 3    | Nut-Lock, NI          |
| 12   | 95-7158     | 3    | Pin-Pivot             |
| 13   | 32121-110   | 3    | Pin-Roll, Slotted     |
| 14   | 105-9889    | 3    | Pin-Cylinder          |
| 15   | 104-8301    | 28   | Nut-HF, NI            |
| 16   | 32104-32    | 4    | Screw-HWH             |
| 17   | 105-3987-03 | 2    | Plate-Skid            |
| 18   | 108-4033    | 1    | No. 4 Lift Arm ASM    |
| 18:2 | 302-5       | 1    | Fitting-Grease        |
| 18:3 | 108-4000    | 2    | Bushing               |
| 18:4 | 104-0015    | 2    | Bushing-Flange        |
| 19   | 323-7       | 5    | Screw-HH              |
| 20   | 108-4023    | 3    | Shaft-Carrier, Pivot  |

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 21   | 283-71      | 3    | Pin-Lynch                 |
| 22   | 3-6781      | 3    | Washer-Thrust             |
| 23   | 104-1450    | 2    | Bolt-CARR                 |
| 24   | 104-5585    | 2    | Bracket-Switch            |
| 25   | 106-9288    | 2    | Sensor-Proximity, Ferrous |
| 26   | 100-4872    | 2    | Plate-Switch, Neutral     |
| 27   | 32149-7     | 2    | Nut-Keps                  |
| 28   | 104-5689-03 | 1    | Bracket-Support, Bumper   |
| 29   | 87-3470     | 2    | Bumper                    |
| 31   | 33025-00    | 2    | Nut-Lock, NI              |
| 32   | 105-9831-03 | 2    | Bracket-Bumper, No. 1     |
| 33   | 104-5680-03 | 1    | Frame-Carrier, Front      |
| 35   | 115-3453    | 7    | Carrier Frame ASM         |
| 35:2 | 108-4000    | 2    | Bushing                   |
| 35:3 | 302-5       | 1    | Fitting-Grease            |
| 36   | 112-9900-03 | 6    | Guard-Foot                |
| 37   | 323-52      | 14   | Screw-HH                  |
| 38   | 93-8806     | 14   | Washer-Hardened           |
| 39   | 105-9823    | 14   | Bushing-Carrier           |
| 40   | 105-9822    | 14   | Spacer                    |
| 41   | 323-11      | 12   | Screw-HH                  |
| 42   | 321-15      | 4    | Screw-HH                  |
| 43   | 32128-33    | 4    | Nut-HF                    |
| 44   | 3256-23     | 4    | Washer-Plain              |
| 46   | 108-4034    | 1    | No. 5 Lift Arm ASM        |
| 46:2 | 302-5       | 1    | Fitting-Grease            |
| 46:3 | 108-4000    | 2    | Bushing                   |
| 46:4 | 104-0015    | 2    | Bushing-Flange            |



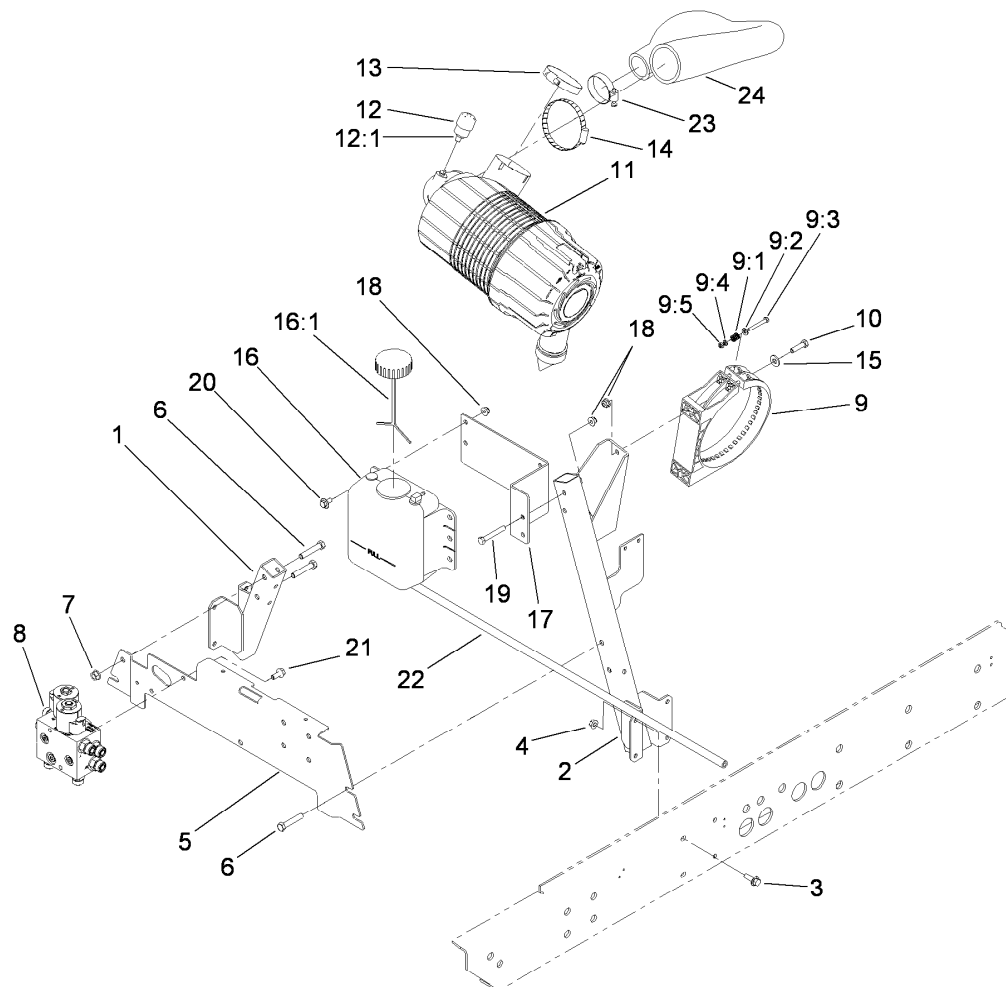
## Hydraulic Cylinder Assembly No. 107-1979

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-1977           | 1           | Seal Kit           |



## Hydraulic Cylinder Assembly No. 107-1980

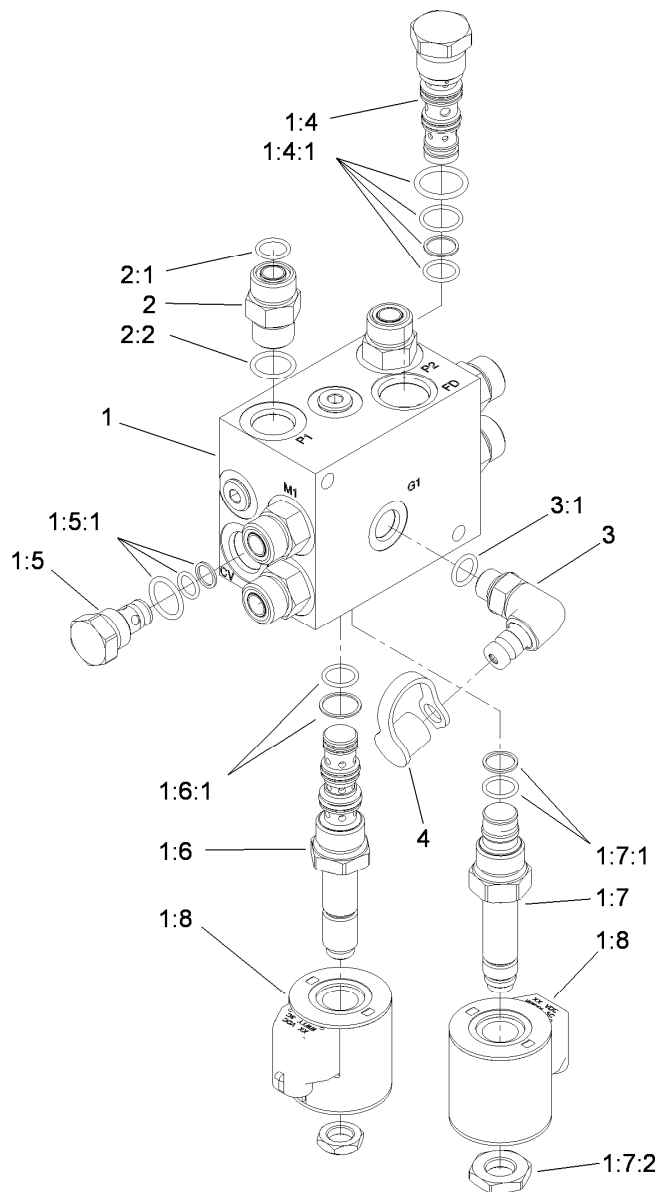
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-1977           | 1           | Seal Kit           |



## Air Cleaner and Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 104-5420-03 | 1    | Support-Battery          |
| 2    | 104-5417-03 | 1    | Bracket-Conditioner, Air |
| 3    | 3234-29     | 8    | Screw-HHF                |
| 4    | 32128-20    | 8    | Nut-HF                   |
| 5    | 114-8134-03 | 1    | Bracket-Support          |
| 6    | 323-10      | 4    | Screw-HH                 |
| 7    | 32128-21    | 4    | Nut-HF                   |
| 8    | 117-2395    | 1    | Fan Drive Manifold ASM   |
| 9    | 99-5414     | 1    | Strap-Cleaner, Air       |
| 9:1  | 108-1512    | 2    | Spring                   |
| 9:2  | 3256-22     | 2    | Washer-Flat              |
| 9:3  | 33113-050   | 2    | Screw-HH                 |
| 9:4  | 33093-00    | 2    | Washer-Flat              |
| 9:5  | 33023-00    | 2    | Nut-Lock                 |
| 10   | 322-6       | 2    | Screw-HH                 |
| 11   | 99-5410     | 1    | Air Cleaner ASM          |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 12   | 104-3563    | 1    | Indicator         |
| 12:1 | 94-1416     | 1    | Adapter-Indicator |
| 13   | 2412-125    | 1    | Clamp-Hose        |
| 14   | 2412-110    | 1    | Clamp-Band/Screw  |
| 15   | 3256-3      | 2    | Washer-Flat       |
| 16   | 104-2276    | 1    | Reservoir-Coolant |
| 16:1 | 87-7050     | 1    | Cap-Reservoir     |
| 17   | 114-4187-03 | 1    | Bracket-Tank      |
| 18   | 104-8300    | 8    | Nut-HF, NI        |
| 19   | 322-11      | 2    | Screw-HH          |
| 20   | 3234-47     | 4    | Screw-HHF         |
| 21   | 100-1668    | 2    | Screw-HHF         |
| 22   | 110-3258    | 1    | Hose-Fuel         |
| 23   | 2412-92     | 1    | Clamp-Hose        |
| 24   | 114-3838    | 1    | Hose-Air Cleaner  |

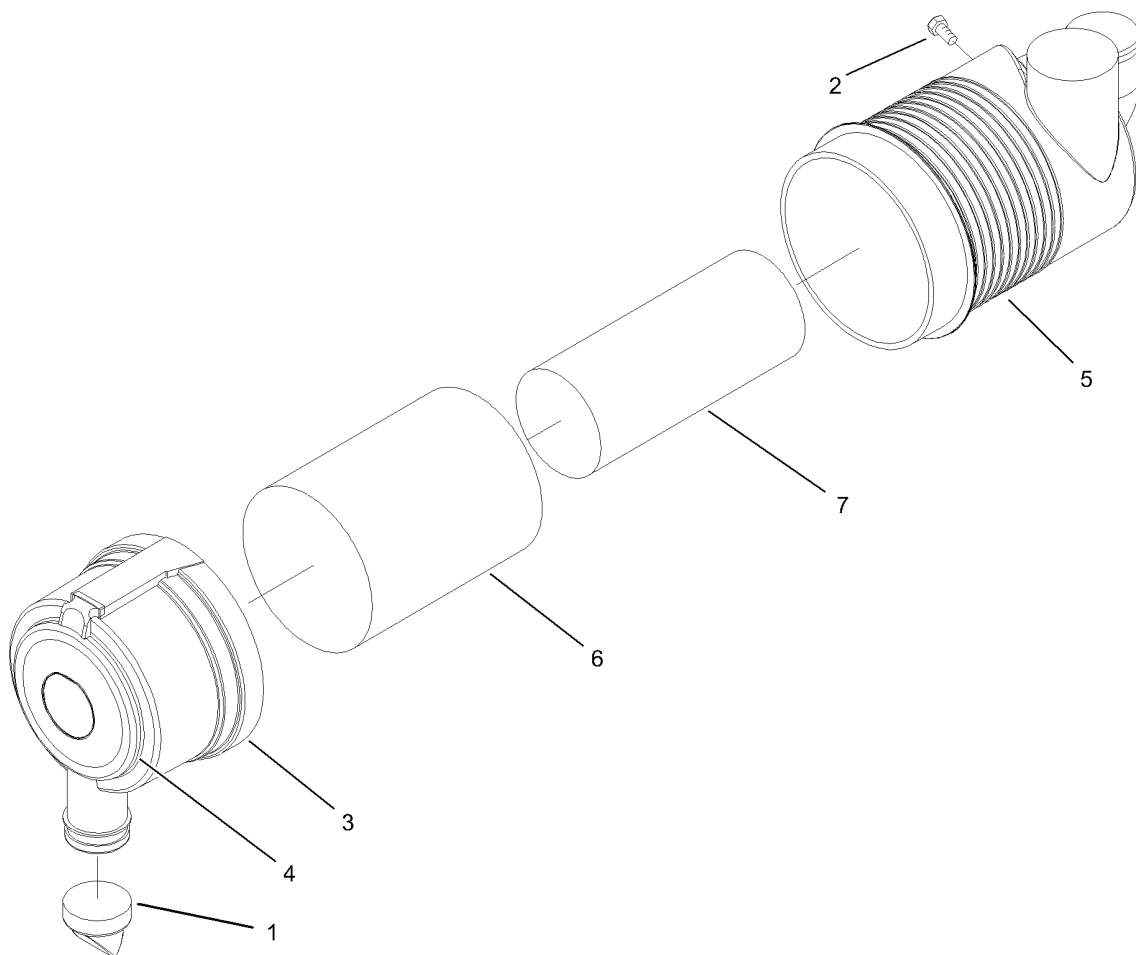


## Manifold Assembly No. 117-2395

| Ref.  | Part Number | Qty. | Description                 |
|-------|-------------|------|-----------------------------|
| 1     |             | 1    | Fan Drive Manifold ASM ●    |
| 1:4   | 115-3024    | 1    | Valve-Flow Divider/Combiner |
| 1:4:1 | 115-3025    | 1    | Seal Kit                    |
| 1:5   | 105-9321    | 1    | Check Valve ASM             |
| 1:5:1 | 105-9156    | 1    | Seal Kit                    |
| 1:6   | 115-3023    | 1    | Solenoid Valve ASM          |
| 1:6:1 | 110-8908    | 1    | Spool Valve Seal Kit        |
| 1:7   | 115-3022    | 1    | Relief-Proportional         |

| Ref.  | Part Number | Qty. | Description      |
|-------|-------------|------|------------------|
| 1:7:1 | 110-6316    | 1    | Seal Kit         |
| 1:7:2 | 119-7715    | 1    | Nut-Coil         |
| 1:8   | 110-6344    | 2    | Coil-12V, DC     |
| 2     | 340-4       | 7    | Fitting-Straight |
| 2:1   | 237-30      | 1    | O-Ring           |
| 2:2   | 237-79      | 1    | O-Ring           |
| 3     | 115-9148    | 1    | Fitting-Elbow-90 |
| 3:1   | 237-42      | 1    | O-Ring           |
| 4     | 354-79      | 1    | Cap-Dust         |

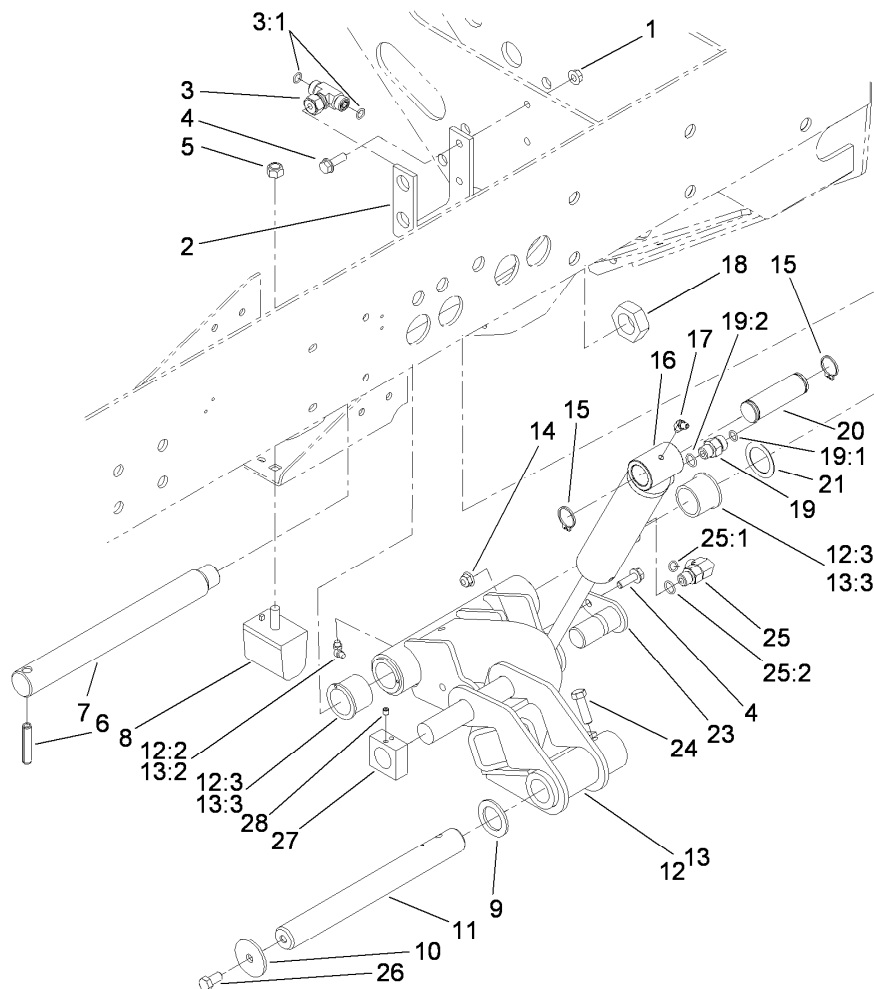
● Not serviced separately



## Air Cleaner Assembly No. 99-5410

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 104-4258    | 1    | Valve-Vacuator |
| 2    |             | 1    | Plug-Pipe ●    |
| 3    | 104-4259    | 1    | Cover          |
| 4    |             | 1    | Marking ●      |
| 5    |             | 1    | Body ASM ●     |
| 6    | 108-3814    | 1    | Filter-Air     |
| 7    | 108-3816    | 1    | Filter-Air     |

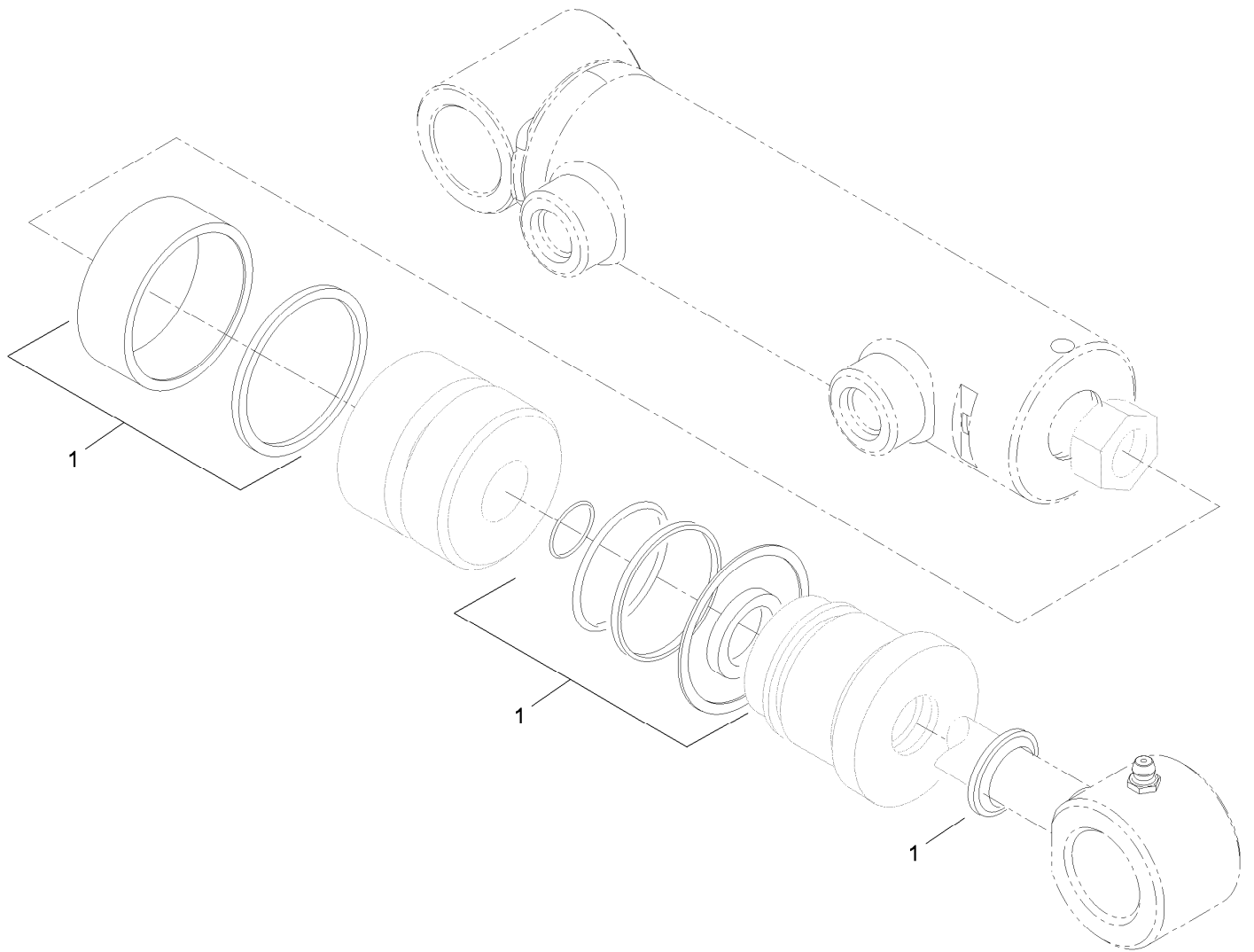
● Not serviced separately



## No. 2 and 3 Lift Arm Assembly

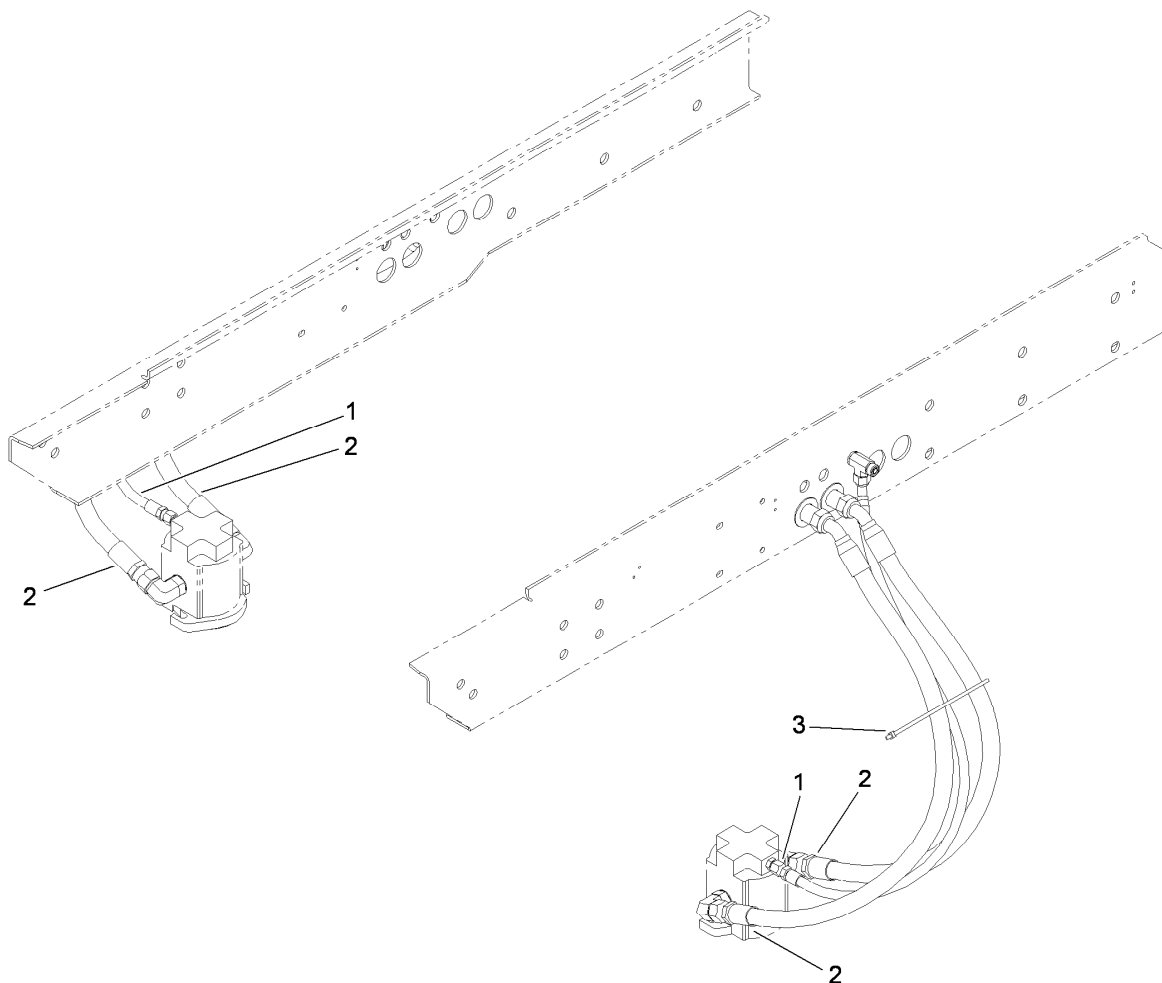
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 32128-20    | 2    | Nut-HF             |
| 2    | 105-3992-03 | 1    | Bracket-Bulkhead   |
| 3    | 340-166     | 2    | Fitting-Tee        |
| 3:1  | 237-22      | 2    | O-Ring             |
| 4    | 3234-17     | 4    | Screw-HHF          |
| 5    | 33025-00    | 2    | Nut-Lock, NI       |
| 6    | 32121-110   | 2    | Pin-Roll, Slotted  |
| 7    | 95-7158     | 2    | Pin-Pivot          |
| 8    | 87-3470     | 2    | Bumper             |
| 9    | 3-6781      | 2    | Washer-Thrust      |
| 10   | 63-7400     | 2    | Washer-Rebound     |
| 11   | 105-9827    | 2    | Shaft              |
| 12   | 105-9202    | 1    | No. 2 Lift Arm ASM |
| 12:2 | 302-60      | 1    | Fitting-Grease     |
| 12:3 | 104-0015    | 2    | Bushing-Flange     |
| 13   | 105-9203    | 1    | No. 3 Lift Arm ASM |
| 13:2 | 302-60      | 1    | Fitting-Grease     |
| 13:3 | 104-0015    | 2    | Bushing-Flange     |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 14   | 104-8300    | 2    | Nut-HF, NI                 |
| 15   | 32151-36    | 4    | Ring-Retaining             |
| 16   | 107-1978    | 2    | HYD Cylinder ASM           |
| 17   | 302-11      | 2    | Fitting-Lube, 45 DEG       |
| 18   | 3296-49     | 2    | Nut-Lock, NI               |
| 19   | 340-2       | 2    | Fitting-Straight           |
| 19:1 | 237-22      | 1    | O-Ring                     |
| 19:2 | 237-42      | 1    | O-Ring                     |
| 20   | 92-7548     | 2    | Pin-Cylinder               |
| 21   | 76-2980     | 2    | Washer-Thrust              |
| 23   | 104-5525    | 2    | Pin-Cylinder               |
| 24   | 323-7       | 2    | Screw-HH                   |
| 25   | 340-77      | 2    | Fitting-Elbow, 90 DEG      |
| 25:1 | 237-22      | 1    | O-Ring                     |
| 25:2 | 237-42      | 1    | O-Ring                     |
| 26   | 323-4       | 2    | Screw-HH                   |
| 27   | 105-9839    | 2    | Stop-Rotation, No. 2 And 3 |
| 28   | 3245-32     | 4    | Screw-HSH                  |



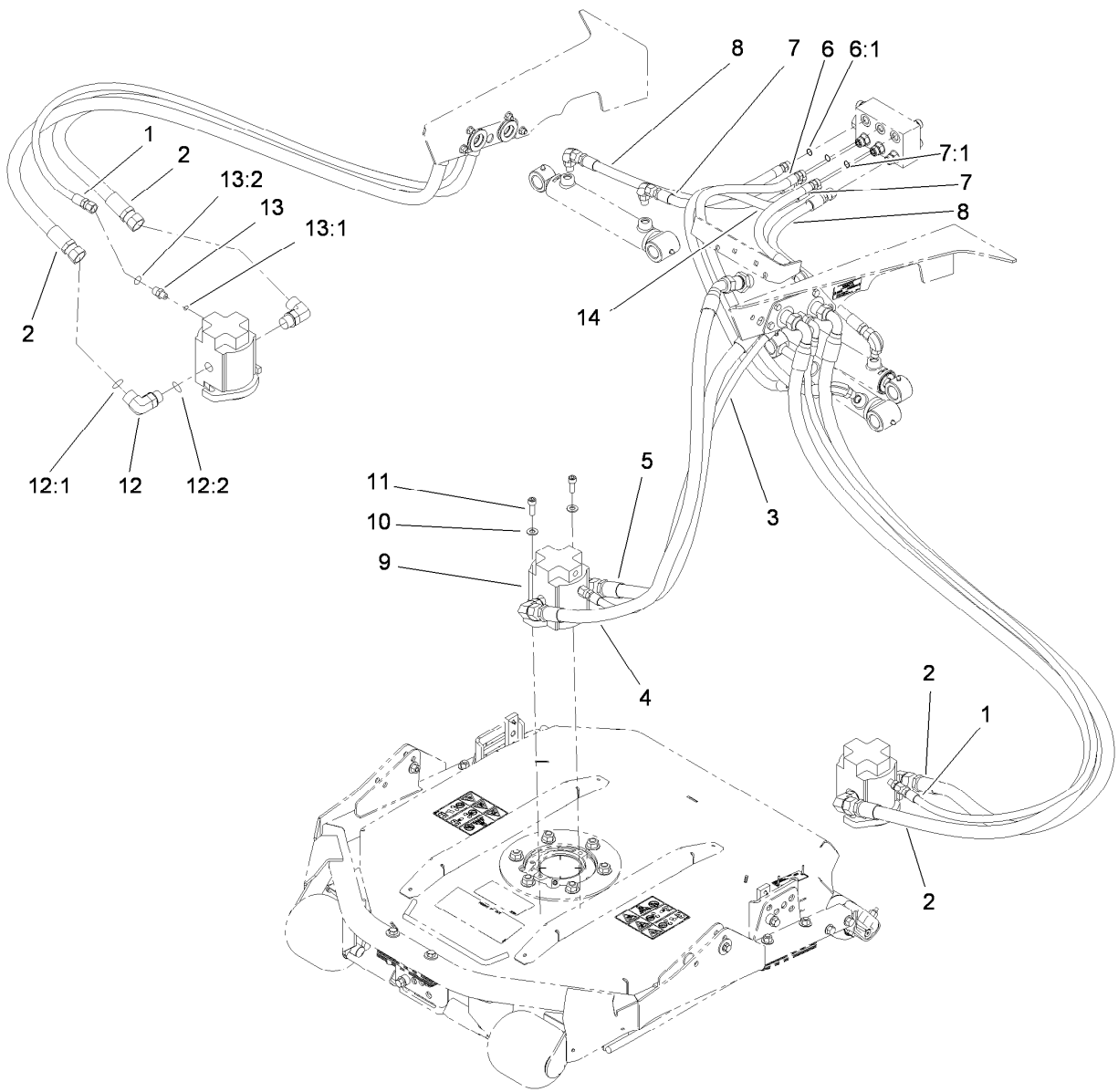
## Hydraulic Cylinder Assembly No. 107-1978

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-1977           | 1           | Seal Kit           |



## No. 2 and 3 Hose Installation Assembly

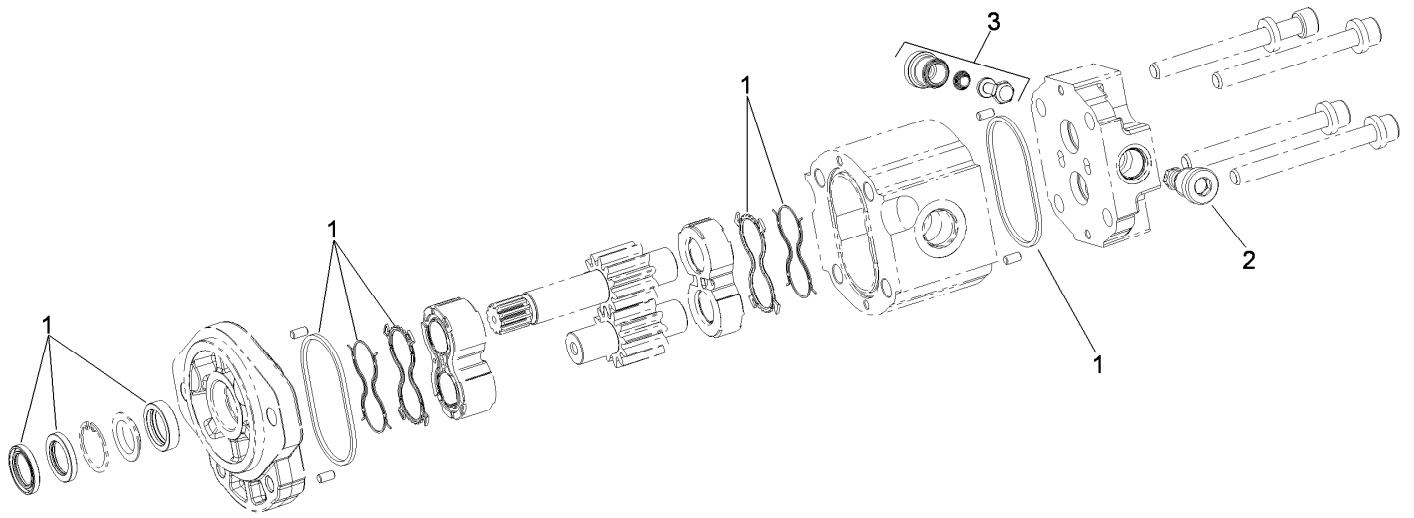
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 104-5502           | 2           | Hose-HYD           |
| 2           | 104-5505           | 4           | Hose-HYD           |
| 3           | 3290-379           | 2           | Tie-Cable          |



## No. 1, 4 and 5 Hose Installation Assembly

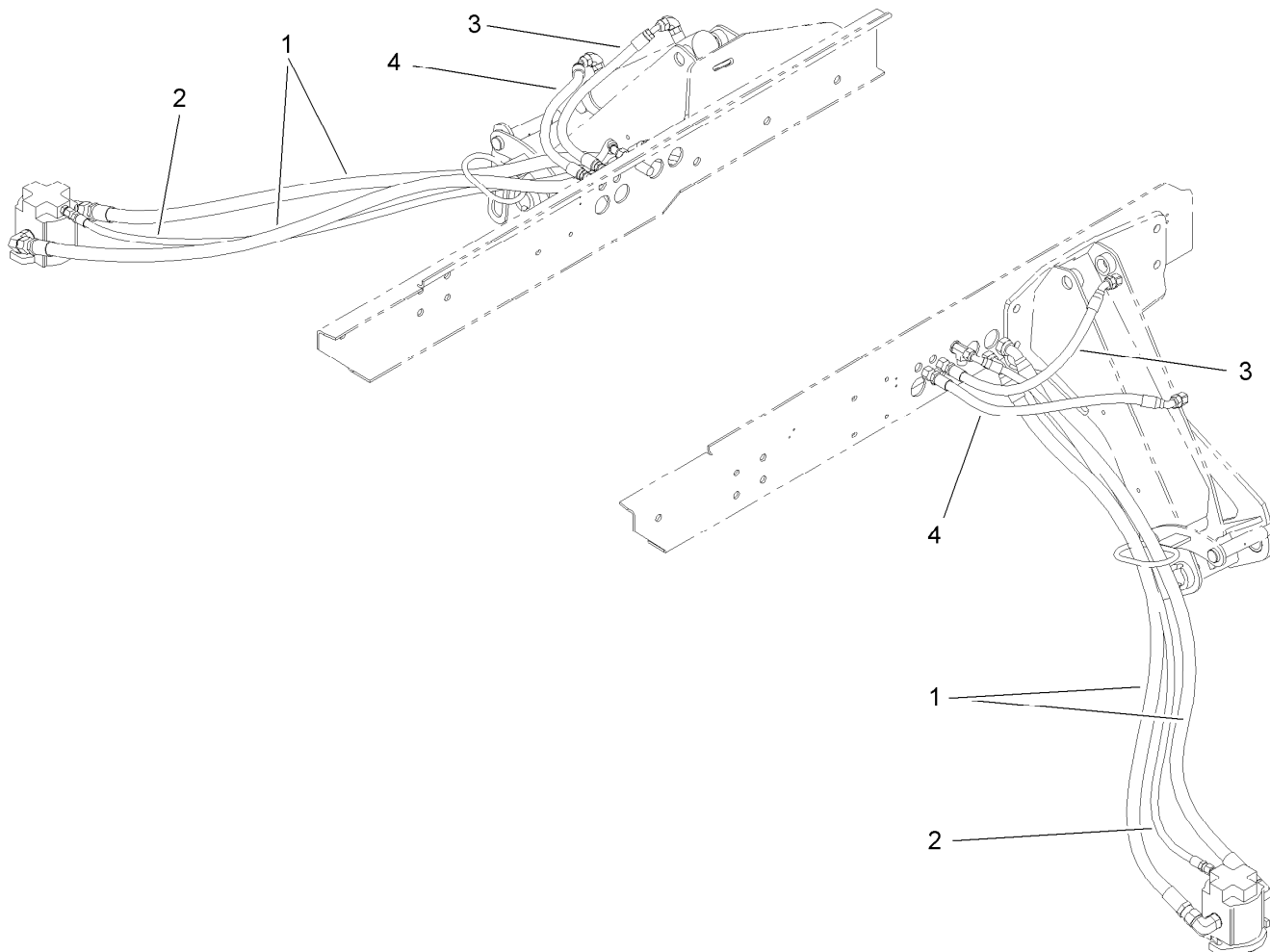
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 104-5500    | 2    | Hose-HYD    |
| 2    | 104-5501    | 4    | Hose-HYD    |
| 3    | 104-5502    | 1    | Hose-HYD    |
| 4    | 104-5504    | 1    | Hose-HYD    |
| 5    | 104-5505    | 1    | Hose-HYD    |
| 6    | 104-5511    | 1    | Hose -HYD   |
| 6:1  | 237-42      | 1    | O-Ring      |
| 7    | 104-5512    | 2    | Hose-HYD    |
| 7:1  | 237-42      | 1    | O-Ring      |
| 8    | 99-3579     | 2    | Hose-HYD    |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 9    | 117-5141    | 7    | HYD Motor ASM         |
| 10   | 3256-24     | 14   | Washer-Flat           |
| 11   | 3274-7      | 14   | Screw-HSH             |
| 12   | 340-17      | 14   | Fitting-Elbow, 90 DEG |
| 12:1 | 237-65      | 1    | O-Ring                |
| 12:2 | 237-80      | 1    | O-Ring                |
| 13   | 340-92      | 7    | Fitting-Straight      |
| 13:1 | 237-78      | 1    | O-Ring                |
| 13:2 | 237-21      | 1    | O-Ring                |
| 14   | 100-5629    | 1    | Hose ASM              |



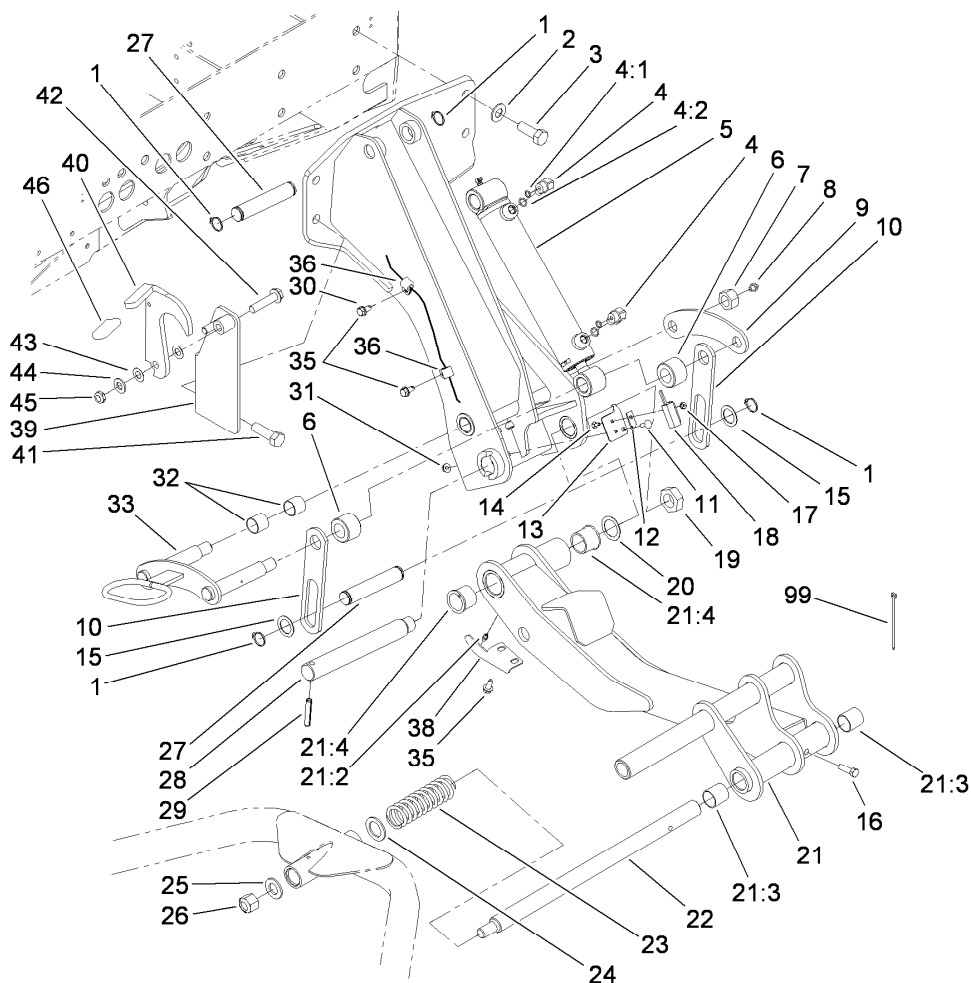
## Gear Motor Assembly No. 117-5141

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 117-0235           | 1           | Seal Kit             |
| 2           | 107-7820           | 1           | Valve-Relief         |
| 3           | 107-7821           | 1           | Valve-Anticavitation |



## No. 6 and 7 Hose Installation Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 104-5498           | 4           | Hose-HYD           |
| 2           | 104-5499           | 2           | Hose-HYD           |
| 3           | 105-3918           | 2           | Hose-HYD           |
| 4           | 105-3919           | 2           | Hose-HYD           |

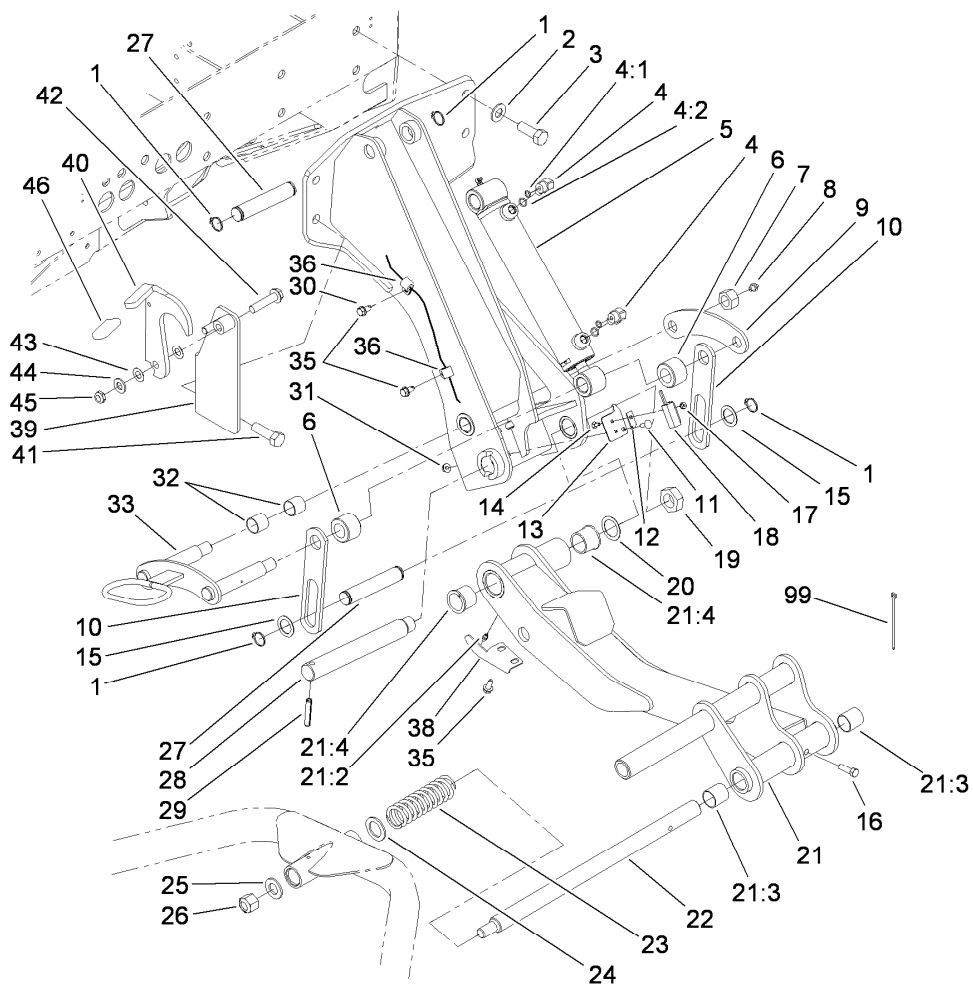


## No. 6 and 7 Lift Arm Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 32151-36    | 8    | Ring-Retaining            |
| 2    | 99-7667     | 12   | Washer-Flat               |
| 3    | 327-5       | 8    | Screw-HH                  |
| 4    | 340-77      | 4    | Fitting-Elbow, 90 DEG     |
| 4:1  | 237-22      | 1    | O-Ring                    |
| 4:2  | 237-42      | 1    | O-Ring                    |
| 5    | 107-1981    | 2    | Lift Cyclinder ASM        |
| 6    | 93-2700     | 4    | Roller-Plastic            |
| 7    | 33029-00    | 4    | Nut-Lock, NI              |
| 8    | 302-2       | 4    | Fitting-Grease            |
| 9    | 98-8821     | 2    | Link-Rear                 |
| 10   | 93-2704-03  | 4    | Link-Left                 |
| 11   | 3229-28     | 2    | Screw-CARR                |
| 12   | 100-4872    | 2    | Plate-Switch, Neutral     |
| 13   | 105-3858    | 2    | Bracket-Switch            |
| 14   | 104-1450    | 2    | Bolt-CARR                 |
| 15   | 10-8110     | 4    | Washer-Thrust             |
| 16   | 323-7       | 2    | Screw-HH                  |
| 17   | 32149-7     | 2    | Nut-Keps                  |
| 18   | 106-9288    | 2    | Sensor-Proximity, Ferrous |
| 19   | 3296-49     | 2    | Nut-Lock, NI              |
| 20   | 76-2980     | 2    | Washer-Thrust             |
| 21   | 108-4035    | 1    | No. 6 Liftarm ASM         |
| 21   | 108-4036    | 1    | No. 7 Liftarm ASM         |
| 21:2 | 302-5       | 1    | Fitting-Grease            |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 21:3 | 108-4000    | 2    | Bushing               |
| 21:4 | 104-0015    | 2    | Bushing-Flange        |
| 22   | 108-4022    | 2    | Shaft-Carrier, Pivot  |
| 23   | 105-3999    | 2    | Spring-Compression    |
| 24   | 3-6781      | 2    | Washer-Thrust         |
| 25   | 3256-28     | 2    | Washer-Flat           |
| 26   | 3296-50     | 2    | Nut-Lock, NI          |
| 27   | 93-2699     | 4    | Pin                   |
| 28   | 98-8826     | 2    | Pin-Pivot             |
| 29   | 32121-110   | 2    | Pin-Roll, Slotted     |
| 30   | 104-5658-03 | 1    | No. 7 Support Arm ASM |
| 30   | 104-5657-03 | 1    | No. 6 Support Arm ASM |
| 31   | 32128-33    | 2    | Nut-HF                |
| 32   | 67-1750     | 4    | Bushing               |
| 33   | 104-5669    | 2    | Link ASM              |
| 35   | 32104-32    | 8    | Screw-HWH             |
| 36   | 2412-93     | 4    | Clamp-R               |
| 38   | 105-9828    | 2    | Actuator-Switch       |
| 39   | 108-4046-03 | 1    | Latch-Arm, RH         |
| 39   | 108-4045-03 | 1    | Latch-Arm, LH         |
| 40   | 104-3556-03 | 1    | Latch-RH              |
| 40   | 104-3557-03 | 1    | Latch-LH              |
| 41   | 327-6       | 4    | Screw-HH              |
| 42   | 3234-46     | 2    | Screw-HHF             |
| 43   | 104-3577    | 4    | Washer                |

● Not illustrated

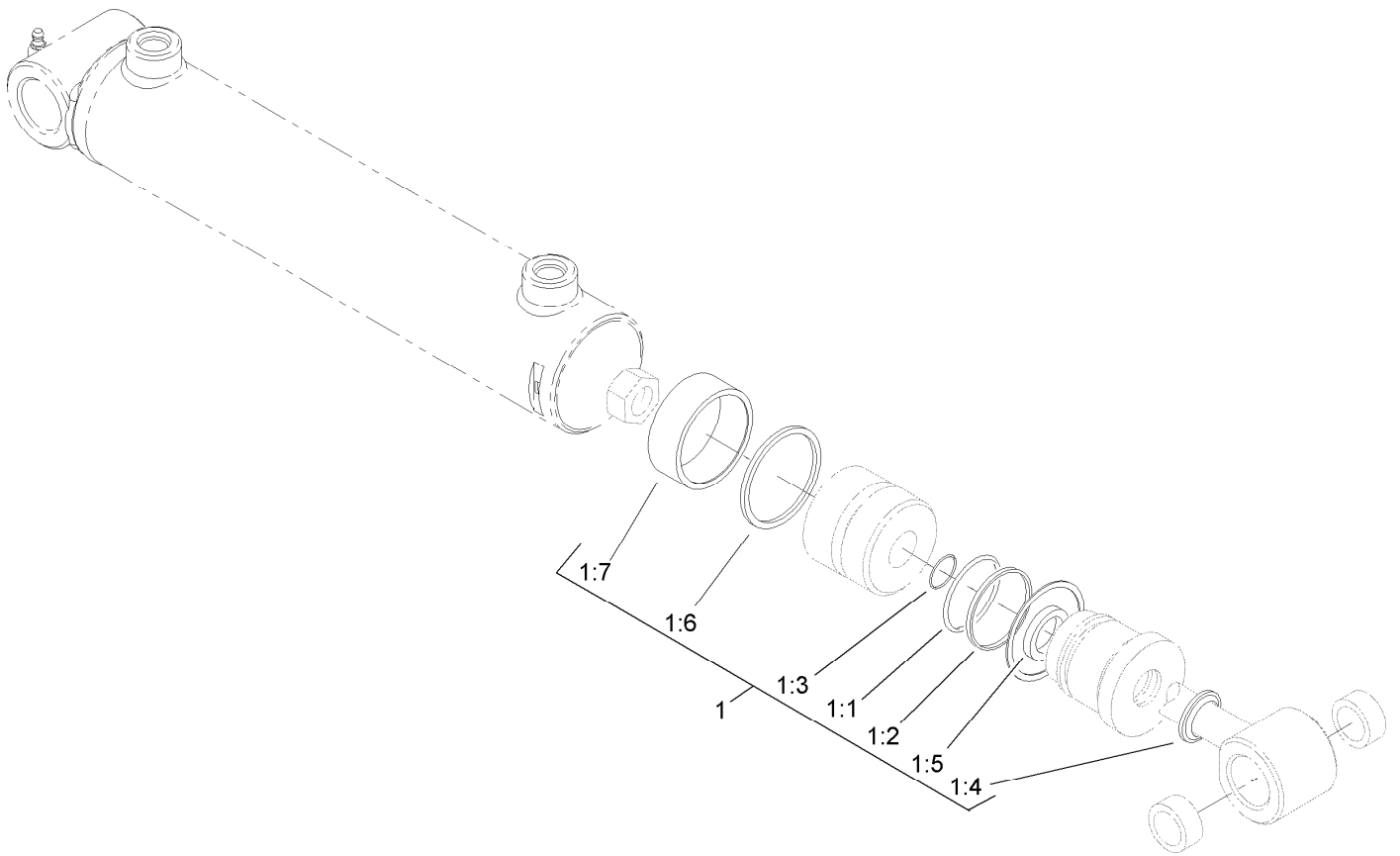


## No. 6 and 7 Lift Arm Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 44   | 3256-26     | 2    | Washer-Flat |
| 45   | 3296-45     | 2    | Nut-Hex     |

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 46   | 48-7081     | 2    | Grip-Plastic |
| 99   | 3290-378    | 2    | Tie-Cable ●  |

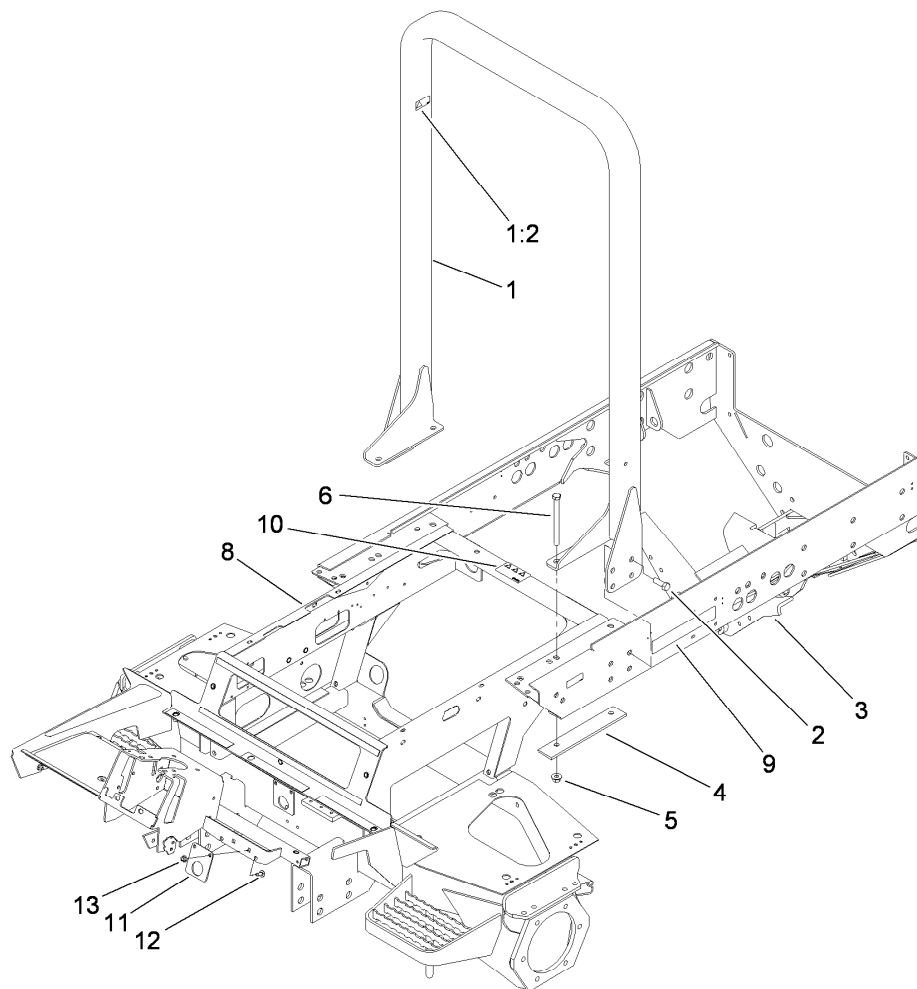
● Not illustrated



## Hydraulic Cylinder Assembly No. 107-1981

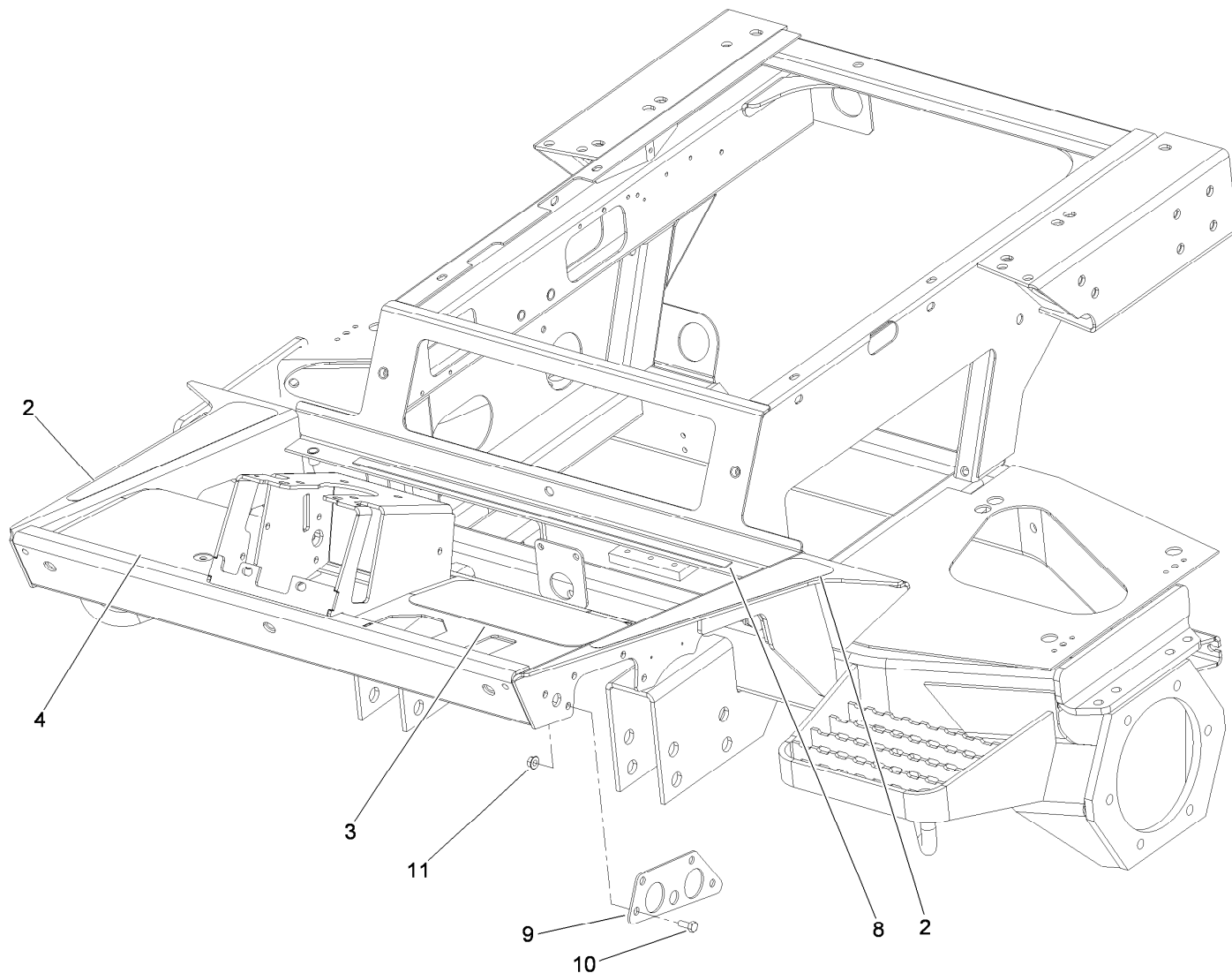
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-2564           | 1           | Seal Kit           |
| 1:1         |                    | 1           | Ring-Retaining ●   |
| 1:2         |                    | 1           | Ring-Retaining ●   |
| 1:3         |                    | 1           | Seal ●             |
| 1:4         |                    | 1           | Back-Up ●          |
| 1:5         |                    | 1           | Wiper ●            |
| 1:6         |                    | 1           | Seal-W/Out Ring ●  |
| 1:7         |                    | 1           | Ring-Wear ●        |

● Not serviced separately



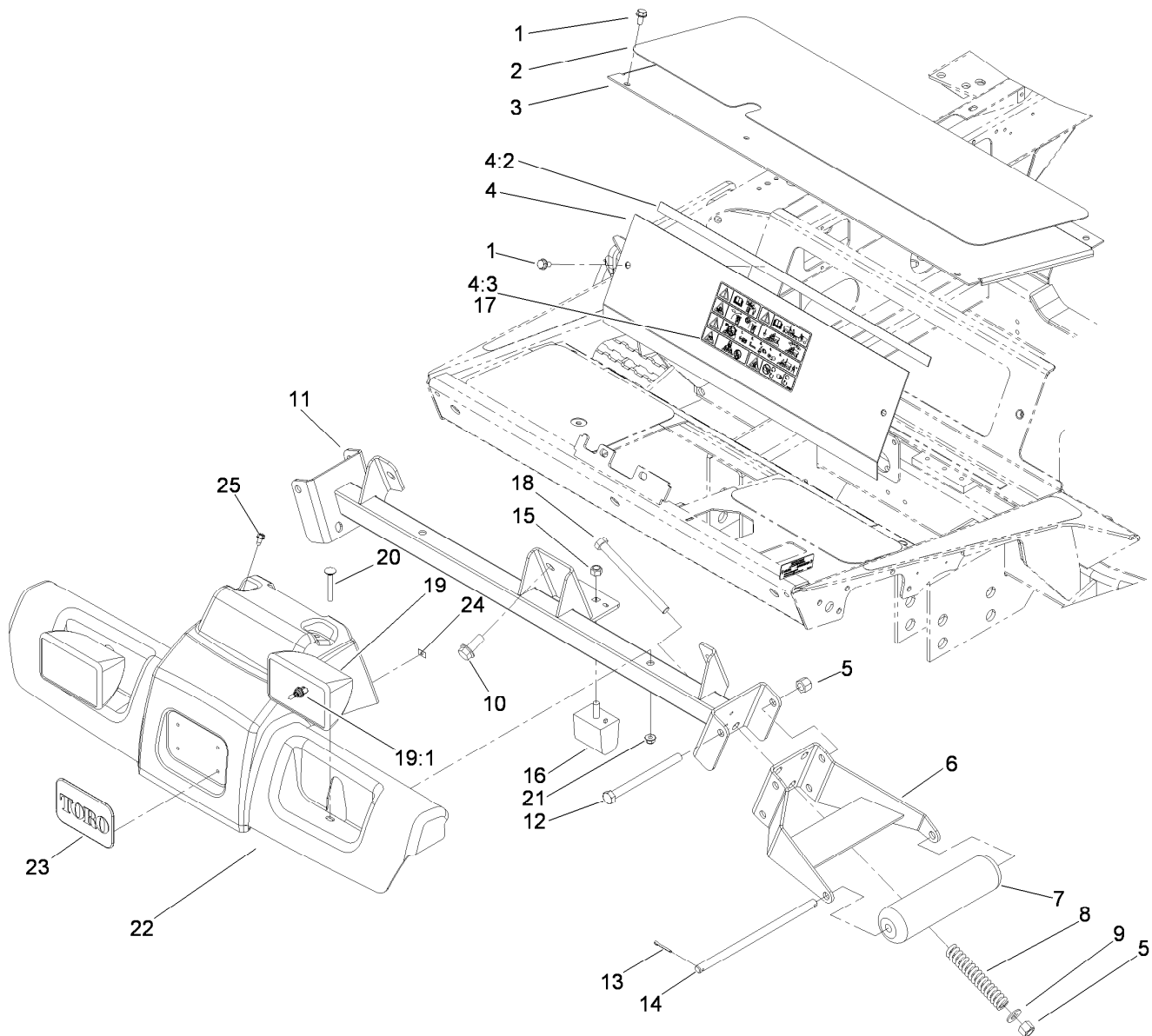
## Roll-Over Protection System and Front Frame Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|---------------------------|
| 1           | 108-4018           | 1           | ROPS ASM                  |
| 1:2         | 117-4776           | 1           | Decal-ROPS                |
| 2           | 3234-38            | 12          | Screw-HHF                 |
| 3           | 115-4394-03        | 1           | Frame-Rear                |
| 4           | 104-5584-03        | 2           | Plate-Reinforcement, ROPS |
| 5           | 32128-49           | 4           | Nut-HHF                   |
| 6           | 325-20             | 4           | Screw-HH                  |
| 8           | 115-4392           | 1           | Front Frame ASM           |
| 9           | 72-3560            | 2           | Decal                     |
| 10          | 106-6754           | 1           | Decal-Danger              |
| 11          | 104-5516-01        | 1           | Support-Tube              |
| 12          | 3230-23            | 2           | Screw-CARR                |
| 13          | 32128-20           | 2           | Nut-HF                    |



## Front Frame Assembly No. 115-4392

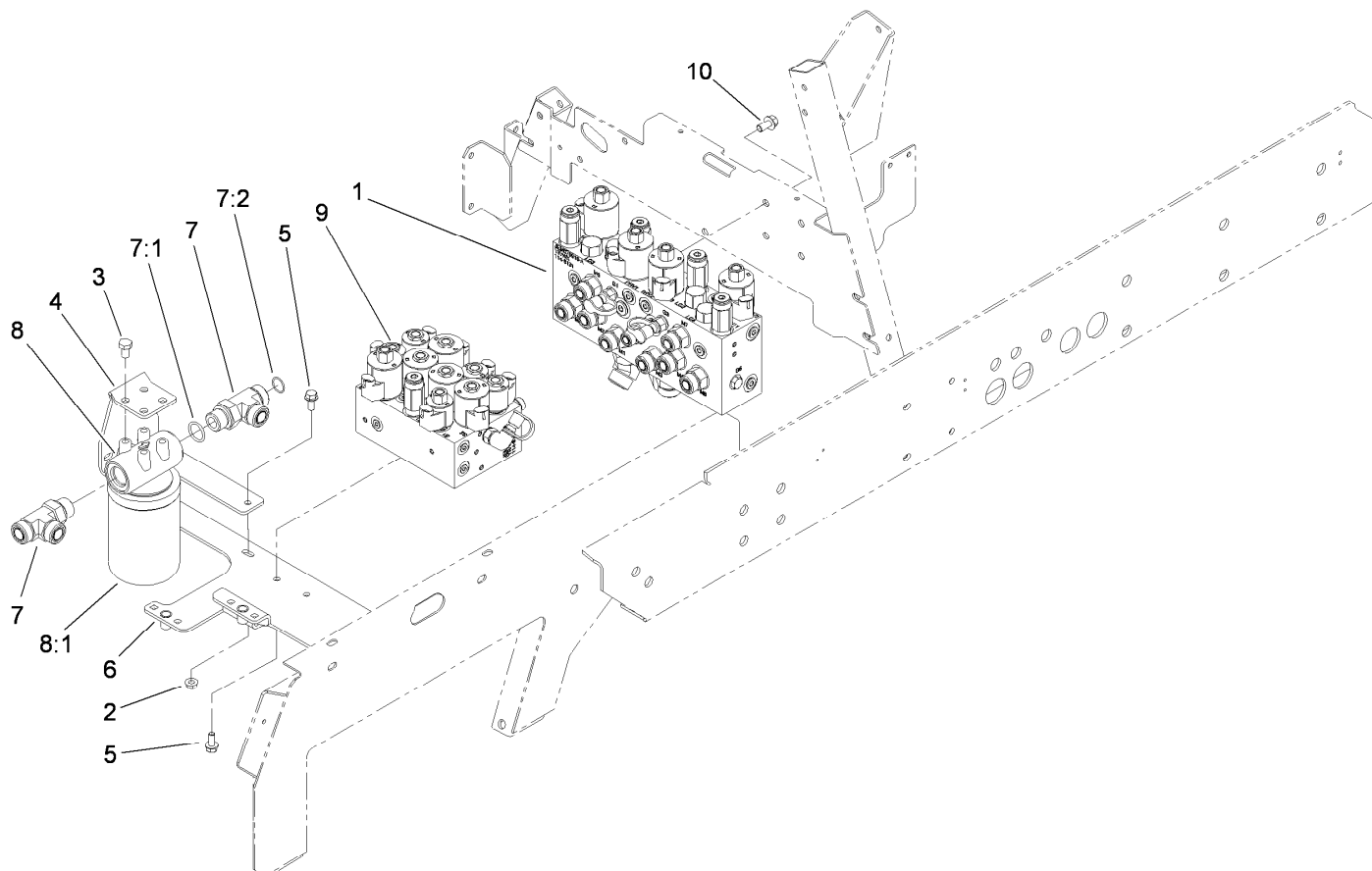
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 2    | 93-7592     | 2    | Tread-Rest, Foot         |
| 3    | 75-0620     | 1    | Tread-Foot, LH           |
| 4    | 104-5223    | 1    | Tread-Foot, RH           |
| 8    | 105-9860    | 2    | Seal-Foam                |
| 9    | 106-7794-01 | 2    | Plate-Mount, HYD Fitting |
| 10   | 322-3       | 8    | Screw-HH                 |
| 11   | 32128-20    | 8    | Nut-HF                   |



## Front Shroud and Work Lights

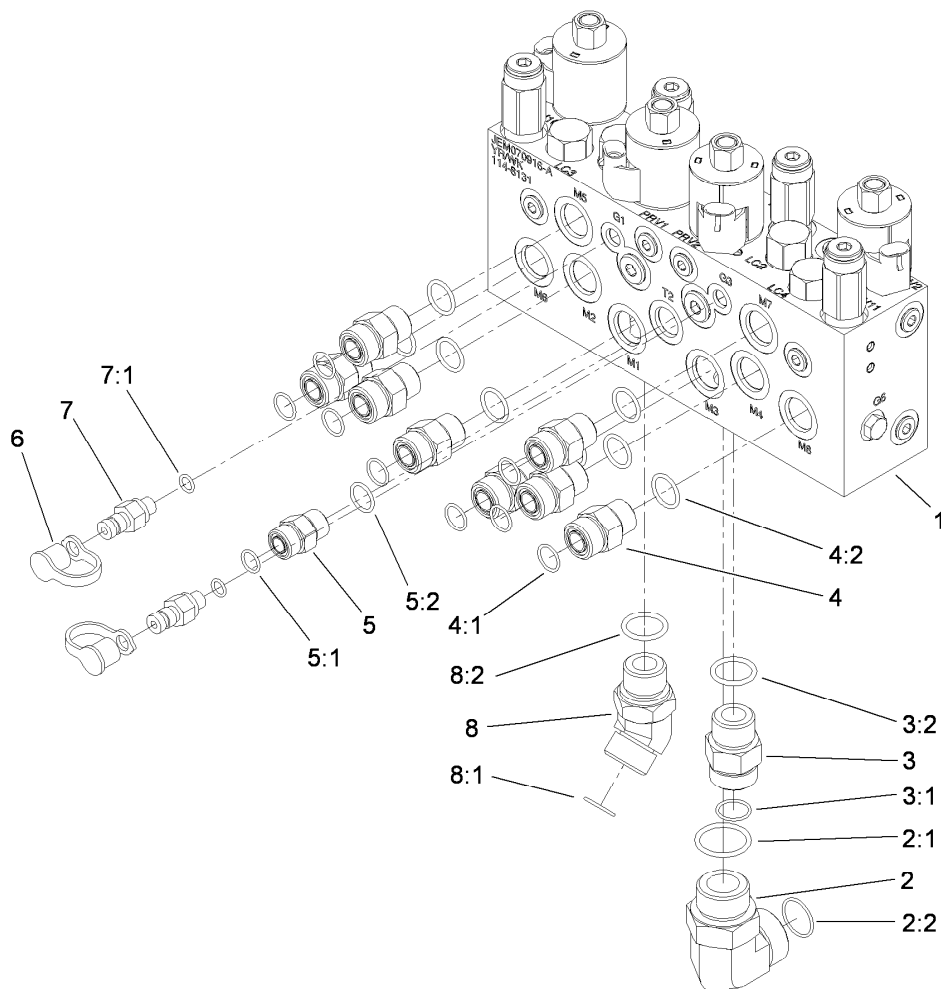
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 3234-7      | 7    | Screw-HHF           |
| 2    | 75-0630     | 1    | Tread-Foot, Center  |
| 3    | 75-1410-01  | 1    | Plate-Access, Floor |
| 4    | 119-0006    | 1    | Access Plate ASM    |
| 4:2  | 105-9860    | 2    | Seal-Foam           |
| 4:3  | 112-5297    | 1    | Decal-Danger        |
| 5    | 3296-23     | 4    | Nut-Lock, NI        |
| 6    | 105-3996-01 | 2    | Support-Roller      |
| 7    | 105-9816    | 2    | Roller-Plastic      |
| 8    | 105-3970    | 2    | Spring-Compression  |
| 9    | 3256-26     | 2    | Washer-Flat         |
| 10   | 3234-38     | 3    | Screw-HHF           |
| 11   | 117-4760-01 | 1    | Support-Roller      |
| 12   | 325-22      | 2    | Screw-HH            |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 13   | 3272-11     | 4    | Pin-Cotter            |
| 14   | 104-5545    | 2    | Shaft-Roller          |
| 15   | 33025-00    | 1    | Nut-Lock, NI          |
| 16   | 87-3470     | 1    | Bumper                |
| 17   | 112-5298    | 1    | Decal-Danger, CE      |
| 18   | 325-20      | 2    | Screw-HH              |
| 19   | 94-9024     | 2    | Lamp ASM              |
| 19:1 | 95-0909     | 1    | Lamp-12 Volt          |
| 20   | 3230-7      | 2    | Bolt-CARR             |
| 21   | 104-8300    | 2    | Nut-HF, NI            |
| 22   | 115-9137    | 1    | Shroud-Platform       |
| 23   | 93-6028     | 1    | Plate-Logo            |
| 24   | 3254-9      | 4    | Washer-Lock, Internal |
| 25   | 32104-17    | 2    | Screw-HWH             |



## Manifold and Filter Assembly

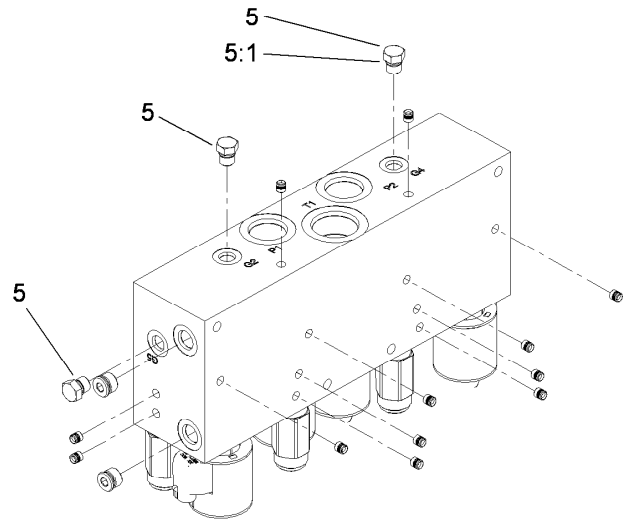
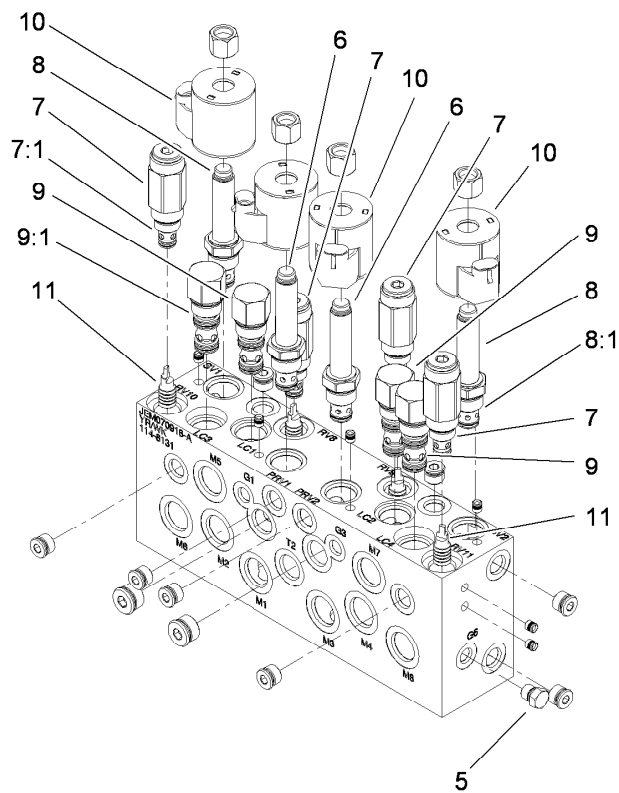
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-----------------------|
| 1           | 117-2393           | 1           | Mow Manifold ASM      |
| 2           | 32128-20           | 2           | Nut-HF                |
| 3           | 33115-016          | 4           | Screw-HH              |
| 4           | 104-5492-03        | 1           | Bracket-Mount, Filter |
| 5           | 3234-5             | 8           | Screw-HHF             |
| 6           | 117-2362           | 1           | Bracket-Mount, Valve  |
| 7           | 340-148            | 2           | Fitting-Tee           |
| 7:1         | 237-81             | 1           | O-Ring                |
| 7:2         | 237-58             | 2           | O-Ring                |
| 8           | 93-2242            | 1           | Oil Filter ASM        |
| 8:1         | 75-1310            | 1           | Filter-HYD            |
| 9           | 117-2389           | 1           | Lift Manifold ASM     |
| 10          | 110-1718           | 3           | Screw-HHF             |



## Mow Manifold Assembly No. 117-2393

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    |             | 1    | Manifold-Mow ●        |
| 2    | 340-129     | 1    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-146     | 1    | O-Ring                |
| 2:2  | 340-65      | 1    | O-Ring                |
| 3    | 340-9       | 1    | Fitting-STR           |
| 3:1  | 237-58      | 1    | O-Ring                |
| 3:2  | 237-81      | 1    | O-Ring                |
| 4    | 340-7       | 8    | Fitting-Straight      |
| 4:1  | 237-65      | 1    | O-Ring                |
| 4:2  | 237-80      | 1    | O-Ring                |
| 5    | 340-4       | 1    | Fitting-Straight      |
| 5:1  | 237-30      | 1    | O-Ring                |
| 5:2  | 237-79      | 1    | O-Ring                |
| 6    | 354-79      | 2    | Cap-Dust              |
| 7    | 354-77      | 2    | Fitting-Quick         |
| 7:1  | 237-78      | 1    | O-Ring                |
| 8    | 100-5530    | 1    | Fitting-45 DEG        |
| 8:1  | 237-58      | 1    | O-Ring                |
| 8:2  | 237-81      | 1    | O-Ring                |

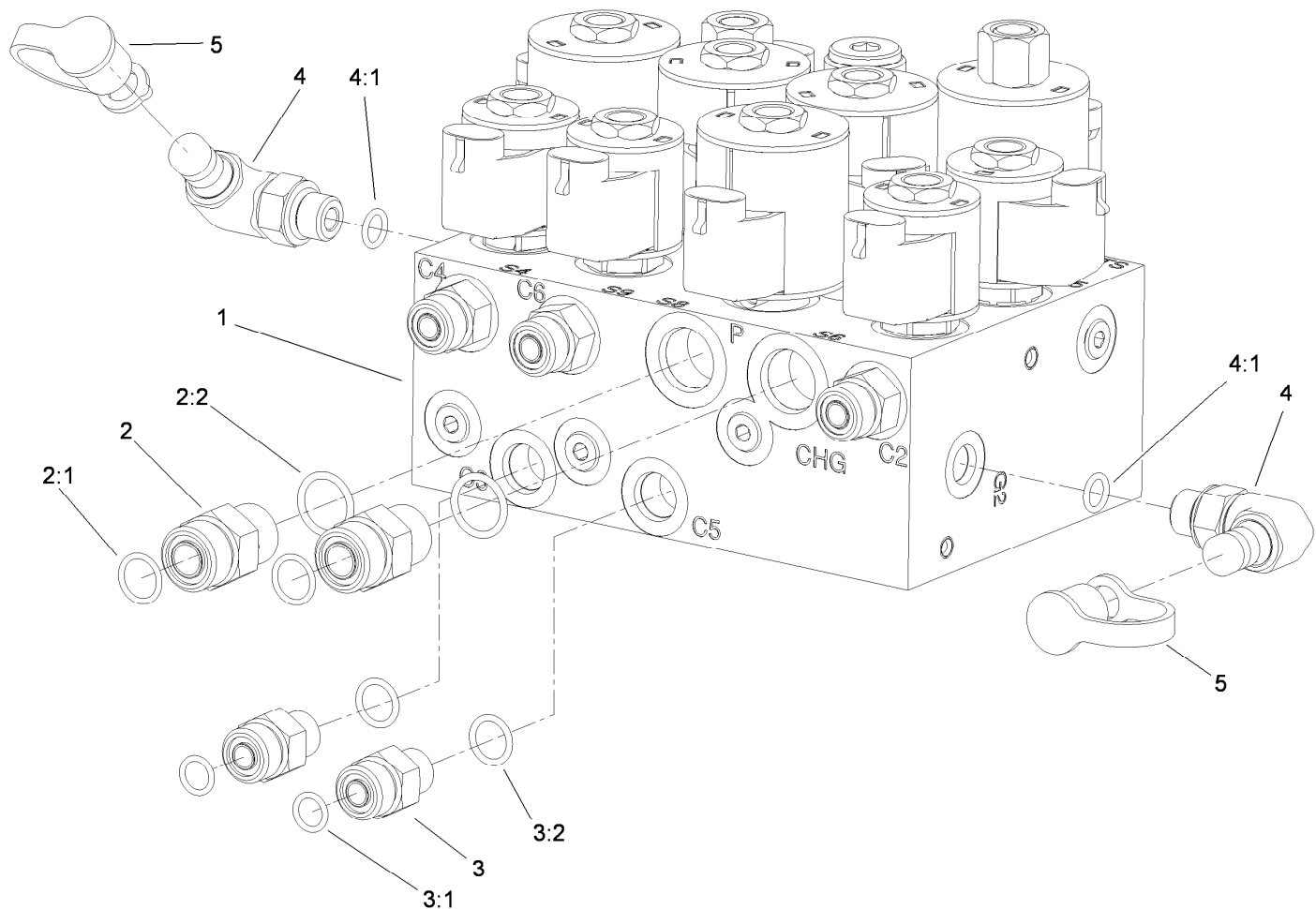
● Not serviced separately



## Mow Manifold Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 5    | 117-0115    | 4    | Plug                       |
| 5:1  | 237-78      | 1    | O-Ring                     |
| 6    | 110-8799    | 2    | Valve-Relief, Proportional |
| 7    | 112-5259    | 4    | Valve-Relief               |
| 7:1  | 105-9156    | 1    | Seal Kit                   |
| 8    | 105-9158    | 2    | Valve-Solenoid, N.O.       |
| 8:1  | 105-9159    | 1    | Seal Kit ●                 |
| 9    | 105-9153    | 4    | Element-Logic, Vented      |
| 9:1  | 105-9154    | 1    | Seal Kit                   |
| 10   | 110-6344    | 4    | Coil-12V, DC               |
| 11   | 105-9157    | 4    | Piston-Pilot               |

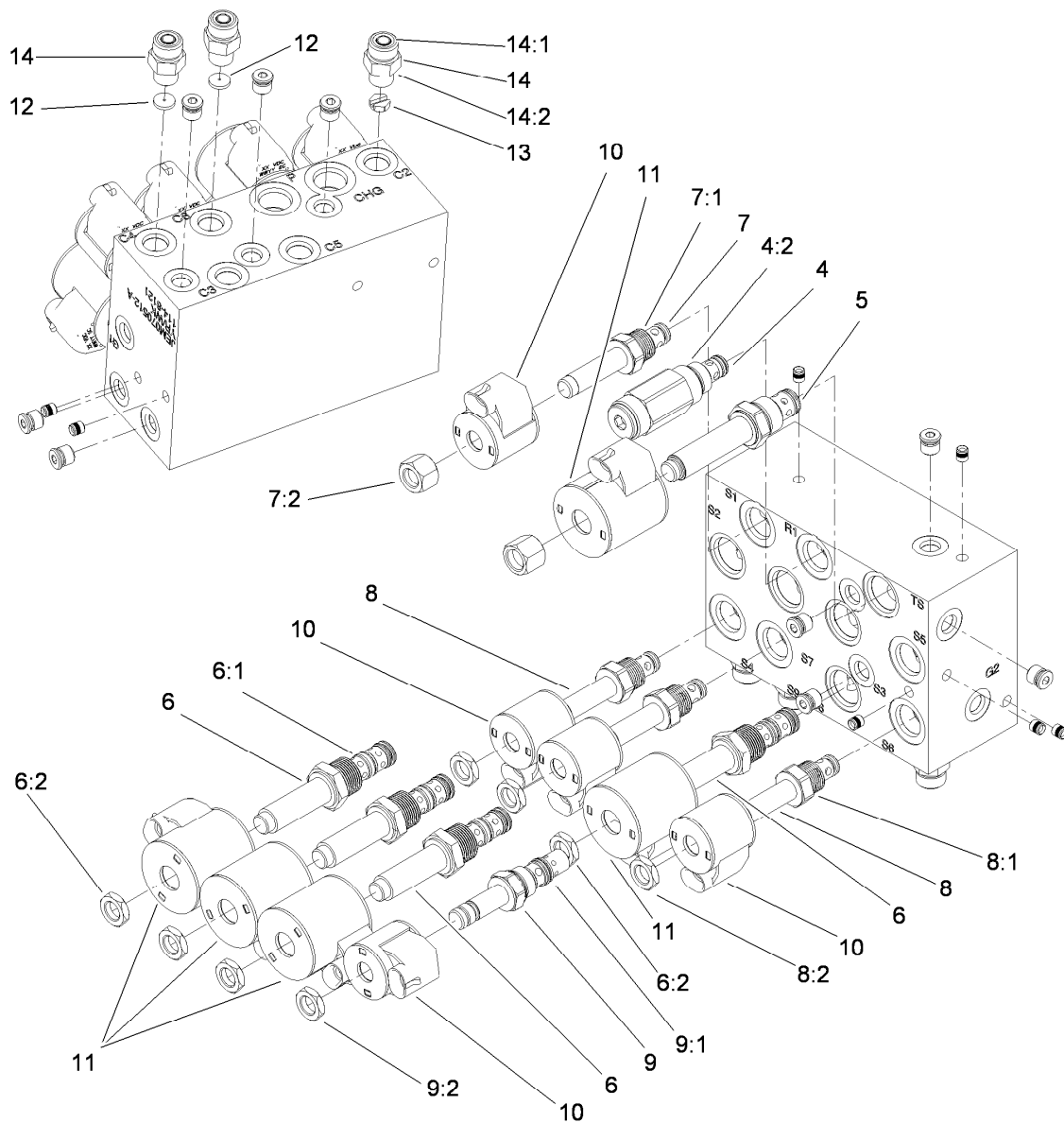
● Not illustrated



## Lift Manifold Assembly No. 117-2389

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    |             | 1    | Manifold-Lift ●       |
| 2    | 340-4       | 2    | Fitting-Straight      |
| 2:1  | 237-30      | 1    | O-Ring                |
| 2:2  | 237-79      | 1    | O-Ring                |
| 3    | 340-2       | 2    | Fitting-Straight      |
| 3:1  | 237-22      | 1    | O-Ring                |
| 3:2  | 237-42      | 1    | O-Ring                |
| 4    | 115-9147    | 2    | Fitting-Elbow, 90 DEG |
| 4:1  | 237-78      | 1    | O-Ring                |
| 5    | 354-79      | 2    | Cap-Dust              |

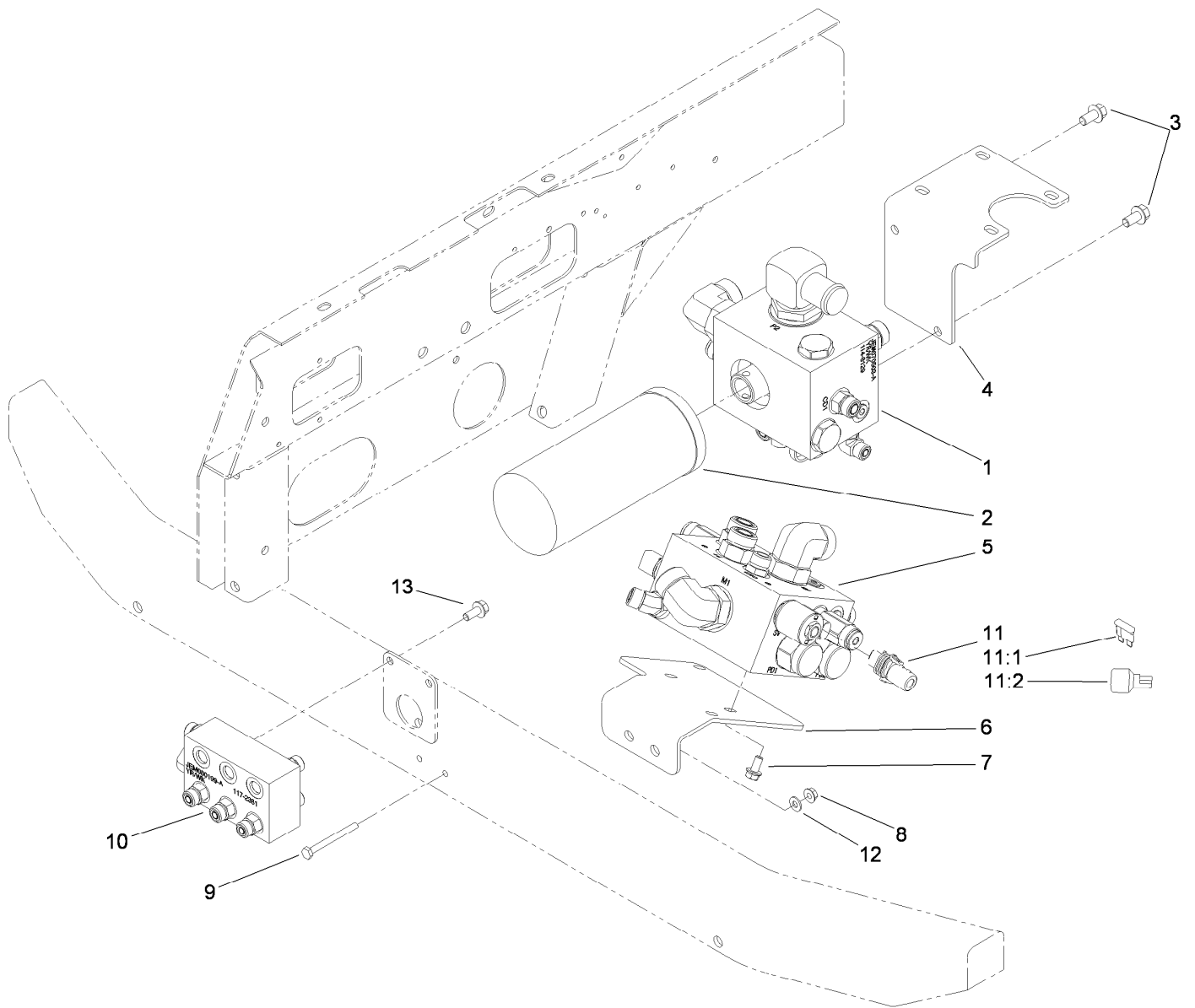
● Not serviced separately



## Lift Manifold Assembly

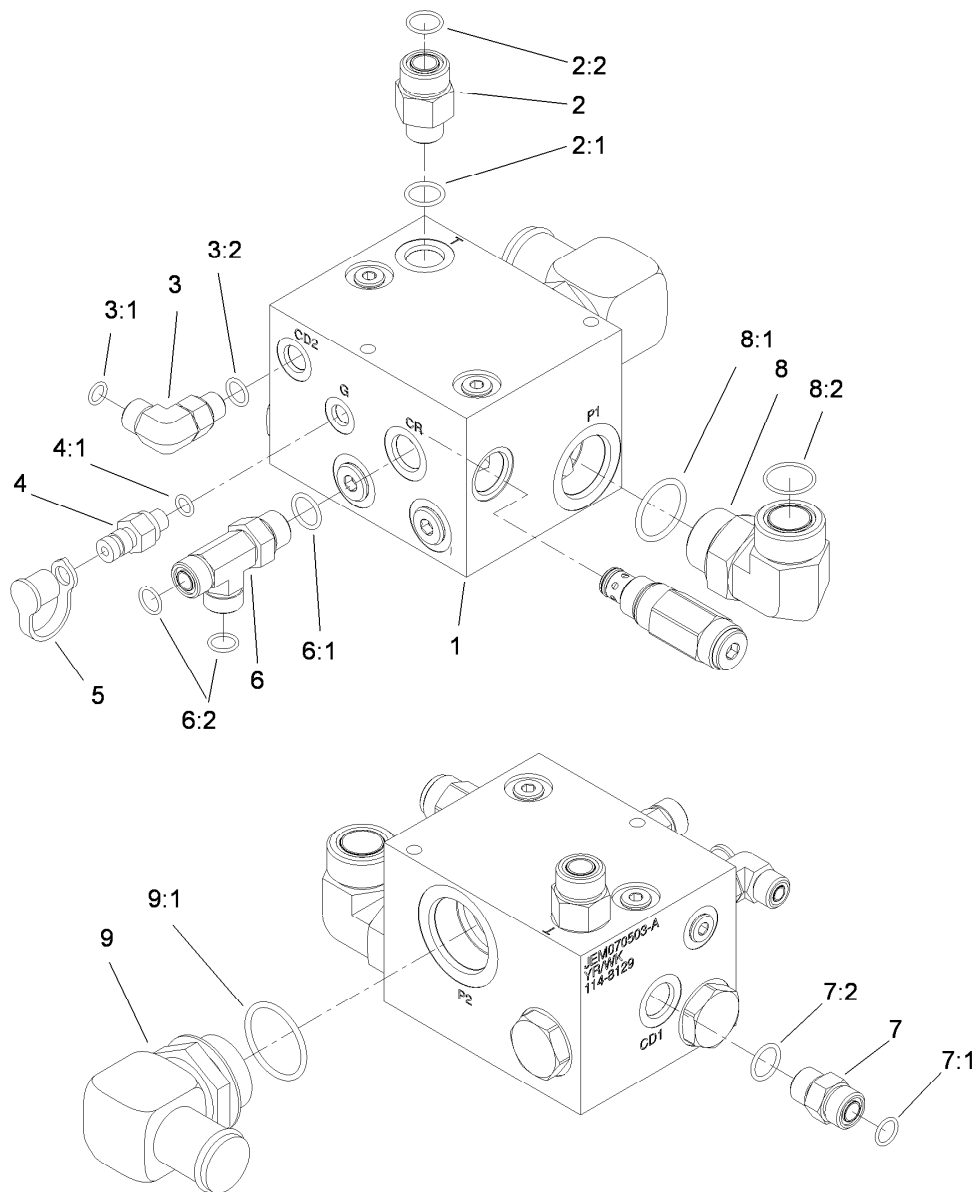
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 4    | 105-9844    | 1    | Valve-Relief              |
| 4:2  | 105-9156    | 1    | Seal Kit                  |
| 5    | 117-2399    | 1    | Relief Valve-Proportional |
| 6    | 115-5400    | 4    | Solenoid Valve ASM        |
| 6:1  | 107-7813    | 1    | Seal Kit                  |
| 6:2  | 110-2634    | 1    | Nut-Coil                  |
| 7    | 107-7517    | 1    | Valve-Solenoid            |
| 7:1  | 105-9156    | 1    | Seal Kit                  |
| 7:2  | 107-7812    | 1    | Nut-Solenoid              |
| 8    | 112-9206    | 3    | Solenoid Valve ASM        |
| 8:1  | 105-9156    | 1    | Seal Kit                  |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 8:2  | 110-2634    | 1    | Nut-Coil                   |
| 9    | 115-5405    | 1    | Solenoid Valve ASM         |
| 9:1  | 115-5413    | 1    | Seal Kit                   |
| 9:2  | 110-2634    | 1    | Nut-Coil                   |
| 10   | 110-0497    | 5    | Coil-Solenoid              |
| 11   | 110-6344    | 5    | Coil-12V, DC               |
| 12   | 117-4757    | 2    | Orifice-Disk, .063         |
| 13   | 117-4756    | 1    | Orifice-Flow Control, .080 |
| 14   | 340-2       | 3    | Fitting-Straight           |
| 14:1 | 237-22      | 1    | O-Ring                     |
| 14:2 | 237-42      | 1    | O-Ring                     |



## 4-Wheel Drive Manifold and Filter Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 117-2391    | 1    | Filter Manifold ASM      |
| 2    | 94-2621     | 1    | Element-Filter           |
| 3    | 110-1718    | 2    | Screw-HHF                |
| 4    | 114-8135-03 | 1    | Bracket-Manifold, Filter |
| 5    | 119-8625    | 1    | 4Wd Manifold ASM         |
| 6    | 104-5467-03 | 1    | Bracket-Mount, Valve     |
| 7    | 3234-14     | 3    | Screw-HHF                |
| 8    | 32128-33    | 2    | Nut-HF                   |
| 9    | 321-14      | 2    | Screw-HH                 |
| 10   | 117-2394    | 1    | Junction Manifold ASM    |
| 11   | 119-1310    | 1    | Harness-Wire, Main       |
| 11:1 | 99-6124     | 1    | Fuse-40 Amp              |
| 11:2 | 100-4918    | 1    | Diode                    |
| 12   | 3256-22     | 2    | Washer-Flat              |
| 13   | 3234-5      | 2    | Screw-HHF                |

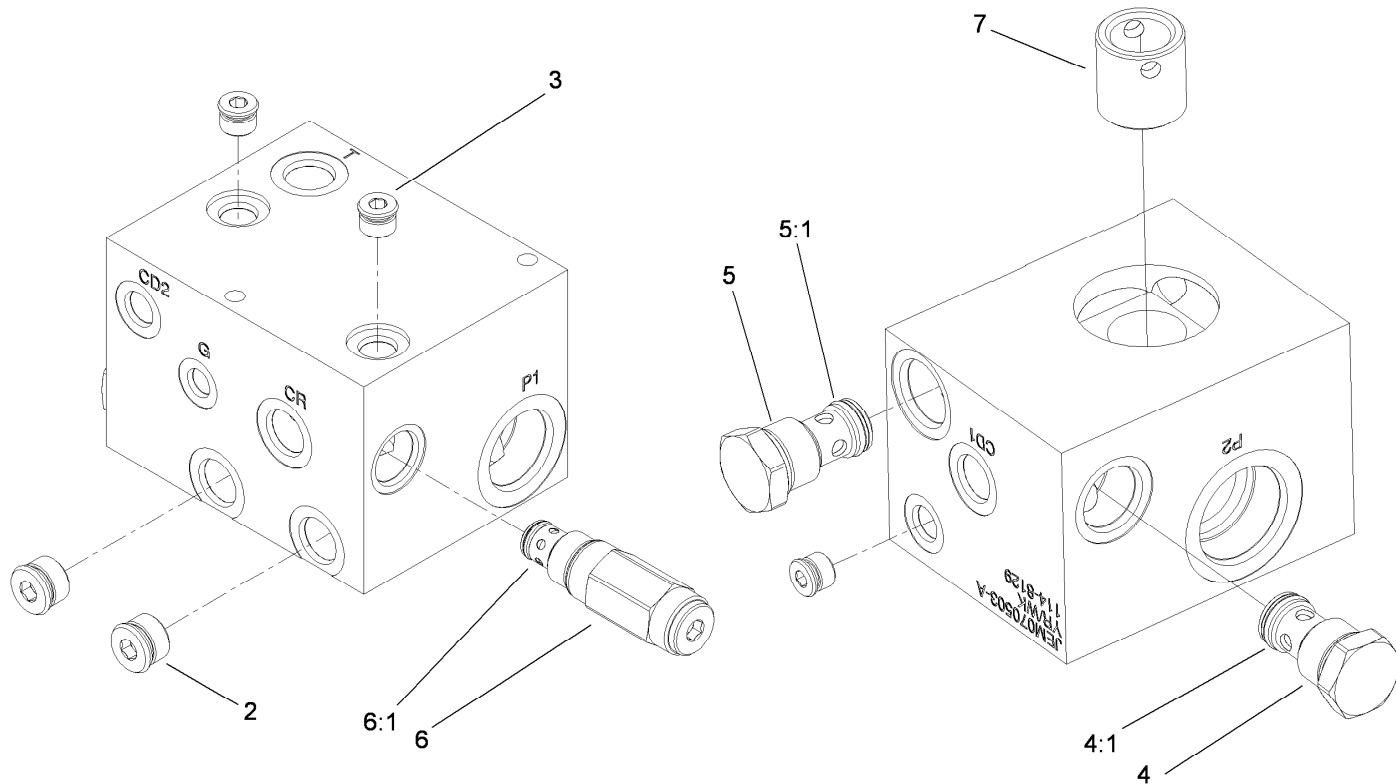


## Filter Manifold Assembly No. 117-2391

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    |             | 1    | HYD Filter Manifold ASM ● |
| 2    | 340-155     | 1    | Fitting-Straight          |
| 2:1  | 237-79      | 1    | O-Ring                    |
| 2:2  | 237-151     | 1    | O-Ring                    |
| 3    | 340-77      | 1    | Fitting-Elbow, 90 DEG     |
| 3:1  | 237-22      | 1    | O-Ring                    |
| 3:2  | 237-42      | 1    | O-Ring                    |
| 4    | 354-77      | 1    | Fitting-Quick             |
| 4:1  | 237-78      | 1    | O-Ring                    |
| 5    | 354-79      | 1    | Cap-Dust                  |
| 6    | 340-109     | 1    | Fitting-Tee               |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 6:1  | 237-79      | 1    | O-Ring                |
| 6:2  | 237-30      | 2    | O-Ring                |
| 7    | 340-4       | 1    | Fitting-Straight      |
| 7:1  | 237-30      | 1    | O-Ring                |
| 7:2  | 237-79      | 1    | O-Ring                |
| 8    | 340-129     | 1    | Fitting-Elbow, 90 DEG |
| 8:1  | 237-146     | 1    | O-Ring                |
| 8:2  | 340-65      | 1    | O-Ring                |
| 9    | 92-7526     | 1    | Fitting-HYD 90 Spcl   |
| 9:1  | 237-101     | 1    | O-Ring                |

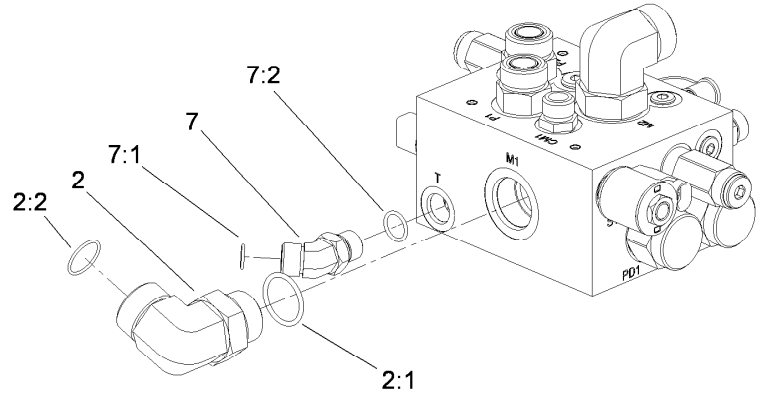
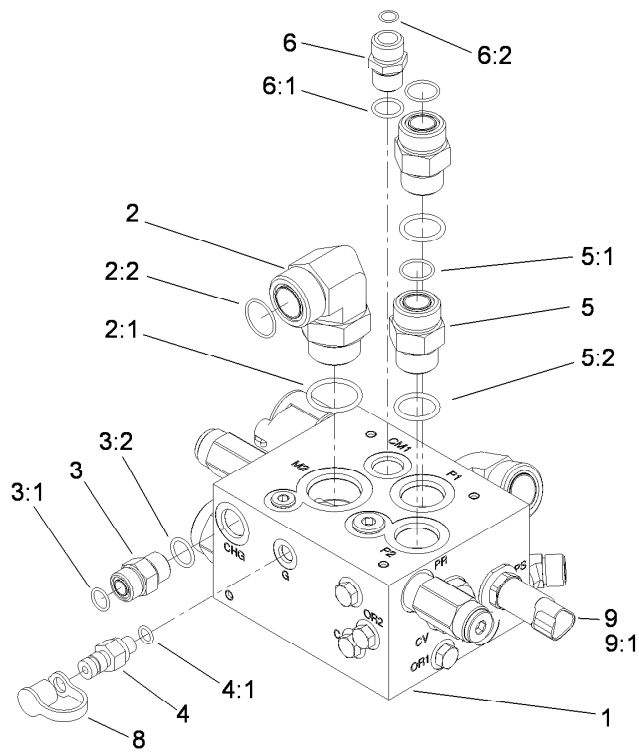
● Not serviced separately



## Filter Manifold Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 2    |             | 2    | Plug ●              |
| 3    |             | 3    | Plug ●              |
| 4    | 110-0468    | 1    | Valve-Check, 5 PSI  |
| 4:1  | 110-0470    | 1    | Seal Kit            |
| 5    | 110-0467    | 1    | Valve-Check, 40 PSI |
| 5:1  | 110-0470    | 1    | Seal Kit            |
| 6    | 115-4140    | 1    | Valve-Check         |
| 6:1  | 105-9159    | 1    | Seal Kit            |
| 7    |             | 1    | Filter Nipple ●     |

● Not serviced separately

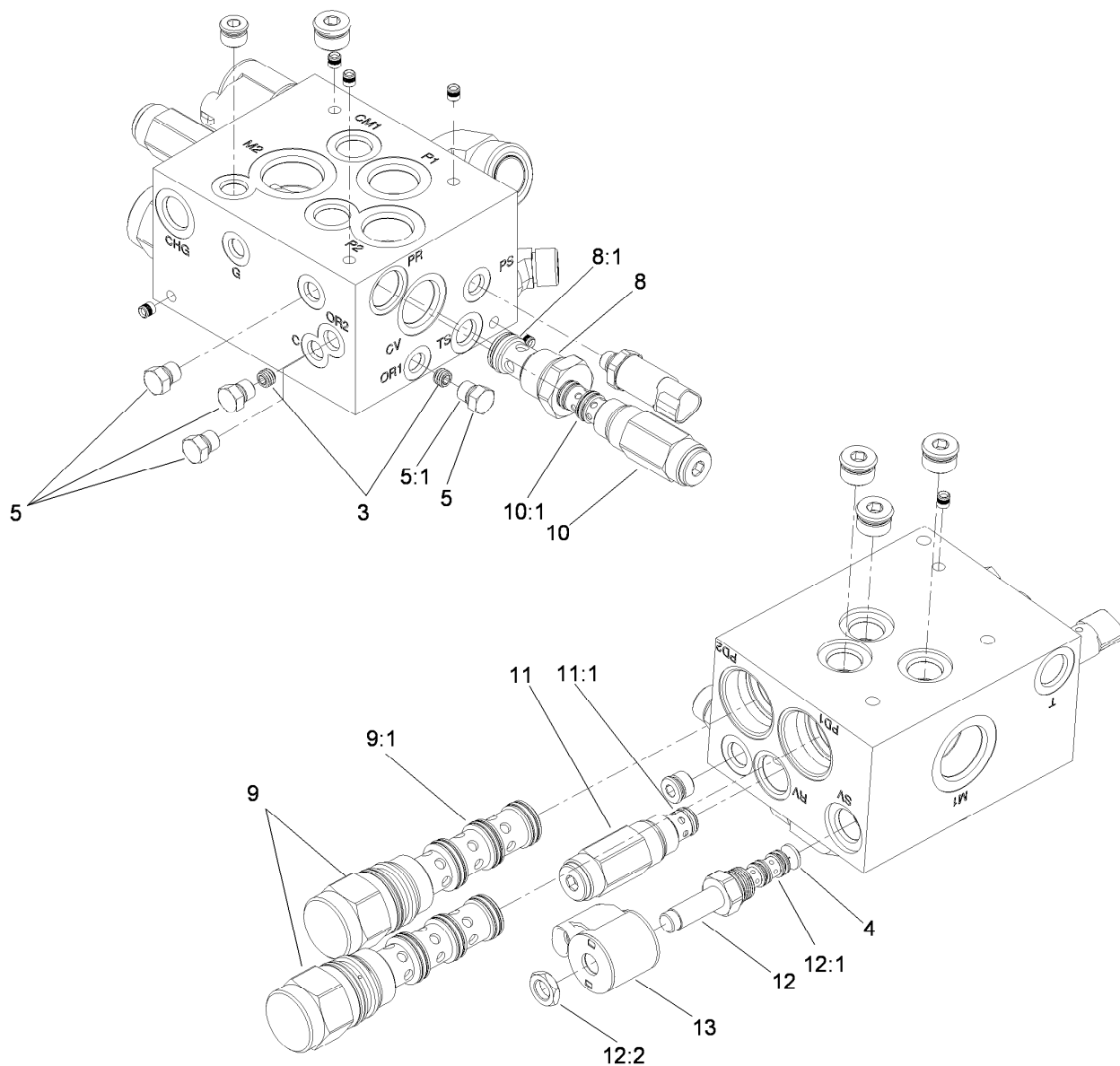


## Drive Manifold Assembly No. 119-8625

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    |             | 1    | Manifold-4Wd ●        |
| 2    | 340-129     | 2    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-146     | 1    | O-Ring                |
| 2:2  | 340-65      | 1    | O-Ring                |
| 3    | 340-4       | 1    | Fitting-Straight      |
| 3:1  | 237-30      | 1    | O-Ring                |
| 3:2  | 237-79      | 1    | O-Ring                |
| 4    | 354-77      | 1    | Fitting-Quick         |
| 4:1  | 237-78      | 1    | O-Ring                |
| 5    | 340-9       | 2    | Fitting-STR           |
| 5:1  | 237-58      | 1    | O-Ring                |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 5:2  | 237-81      | 1    | O-Ring                  |
| 6    | 100-4890    | 1    | Fitting-Check           |
| 6:1  | 237-79      | 1    | O-Ring                  |
| 6:2  | 237-30      | 1    | O-Ring                  |
| 7    | 340-101     | 1    | Fitting-HYD, 45 DEG     |
| 7:1  | 237-30      | 1    | O-Ring                  |
| 7:2  | 237-79      | 1    | O-Ring                  |
| 8    | 354-79      | 1    | Cap-Dust                |
| 9    | 119-0011    | 1    | Pressure Transducer ASM |
| 9:1  | 237-78      | 1    | O-Ring                  |

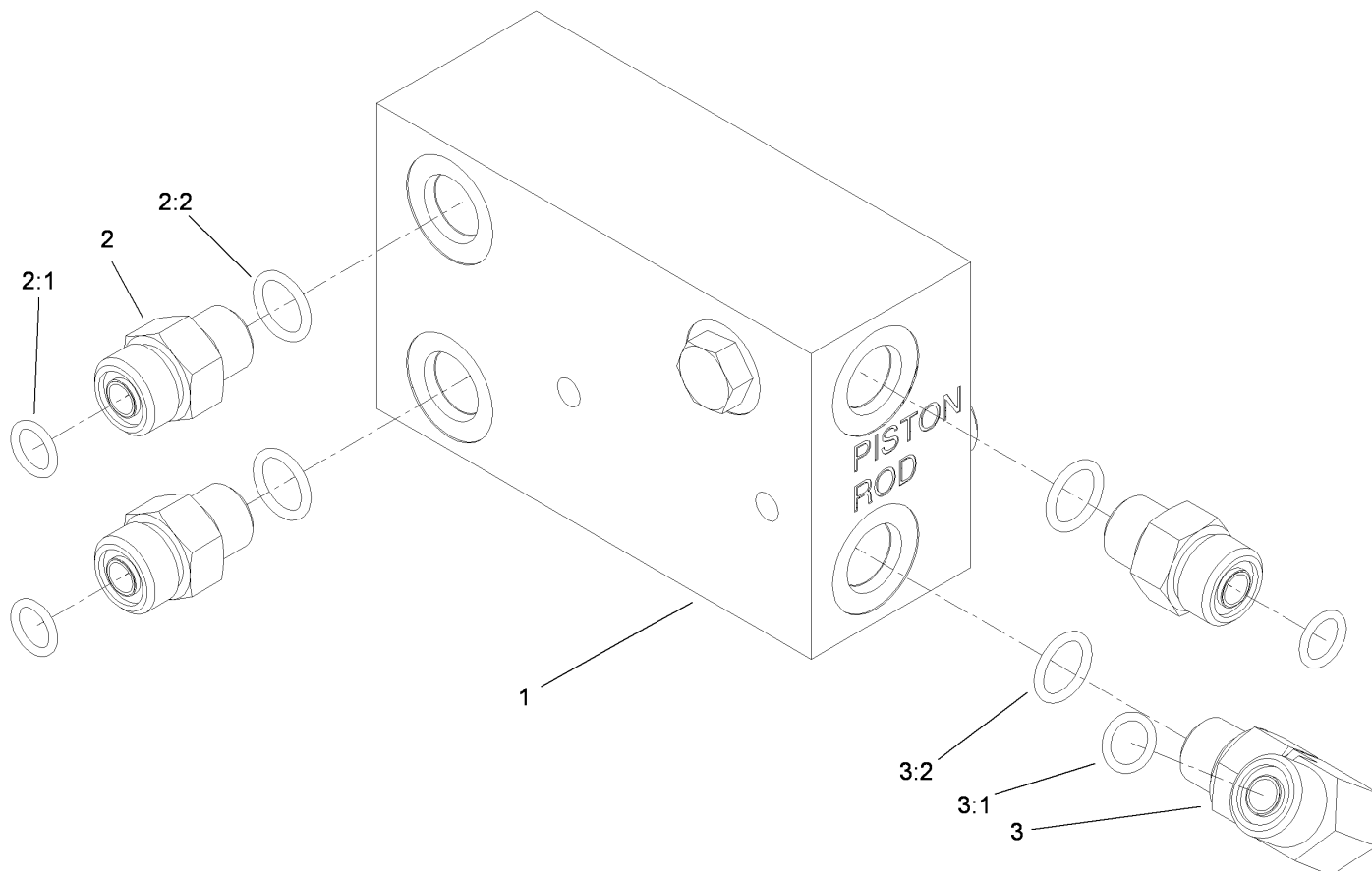
● Not serviced separately



## 4-Wheel Drive Manifold Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 3    | 110-0495    | 2    | Plug-Orifice (0.050 Inch) |
| 4    | 110-0498    | 1    | Orifice (.030)            |
| 5    | 117-0115    | 4    | Plug                      |
| 5:1  | 237-78      | 1    | O-Ring                    |
| 8    | 110-0468    | 1    | Valve-Check, 5 PSI        |
| 8:1  | 110-0470    | 1    | Seal Kit                  |
| 9    | 110-0491    | 2    | Valve-Directional         |
| 9:1  | 106-6775    | 1    | Seal Kit                  |

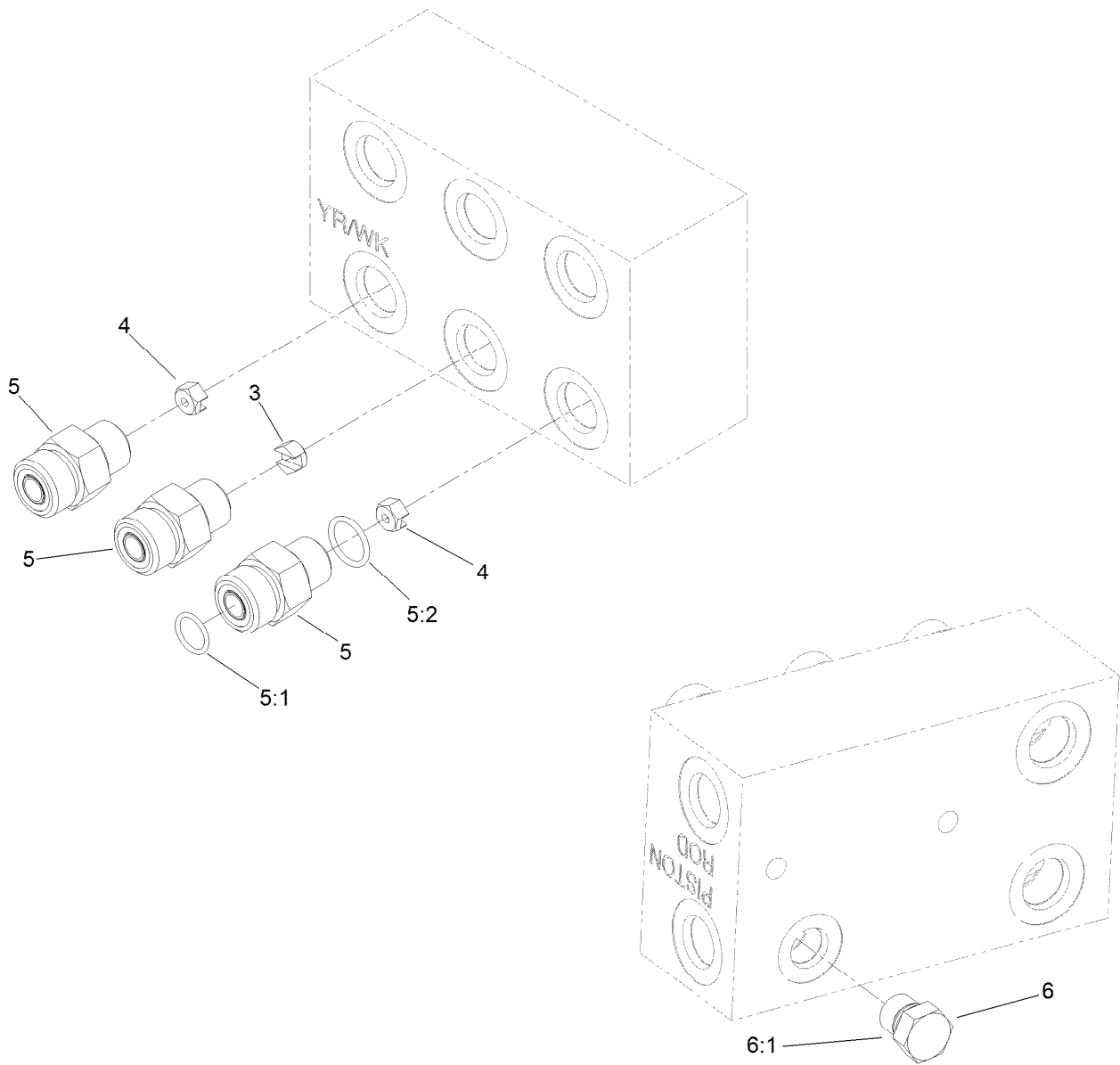
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 110-0496    | 1    | Valve-Reducing, Pressure |
| 10:1 | 105-9154    | 1    | Seal Kit                 |
| 11   | 112-9205    | 1    | Valve-Relief             |
| 11:1 | 105-9159    | 1    | Seal Kit                 |
| 12   | 110-0494    | 1    | Valve-Solenoid           |
| 12:1 | 110-8773    | 1    | Seal Kit                 |
| 12:2 | 110-2634    | 1    | Nut-Coil                 |
| 13   | 110-0497    | 1    | Coil-Solenoid            |



## Junction Manifold Assembly No. 117-2394

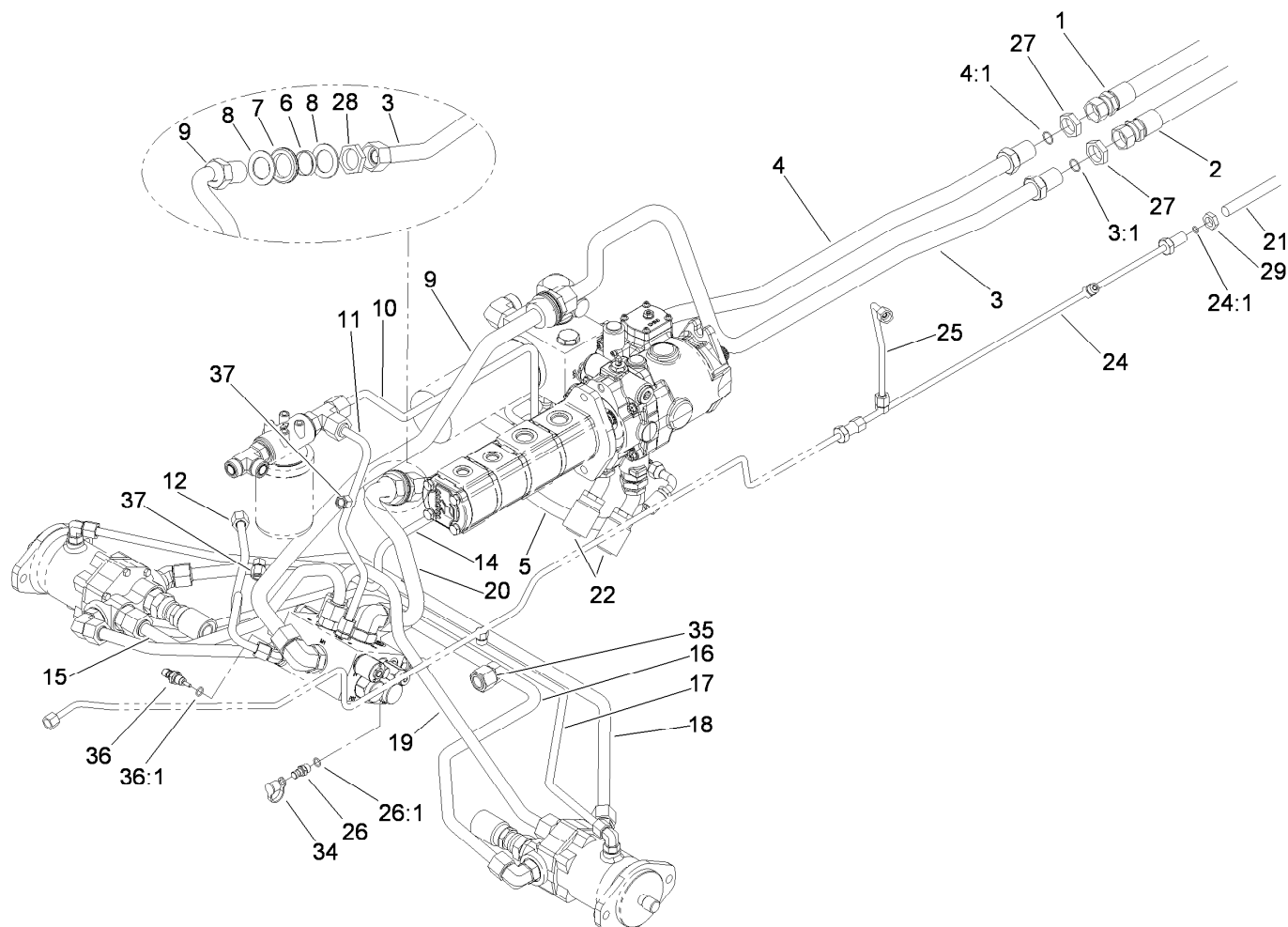
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    |             | 1    | Manifold-Junction ●   |
| 2    | 340-2       | 3    | Fitting-Straight      |
| 2:1  | 237-22      | 1    | O-Ring                |
| 2:2  | 237-42      | 1    | O-Ring                |
| 3    | 340-77      | 1    | Fitting-Elbow, 90 DEG |
| 3:1  | 237-22      | 1    | O-Ring                |
| 3:2  | 237-42      | 1    | O-Ring                |

● Not serviced separately



## Junction Manifold Assembly

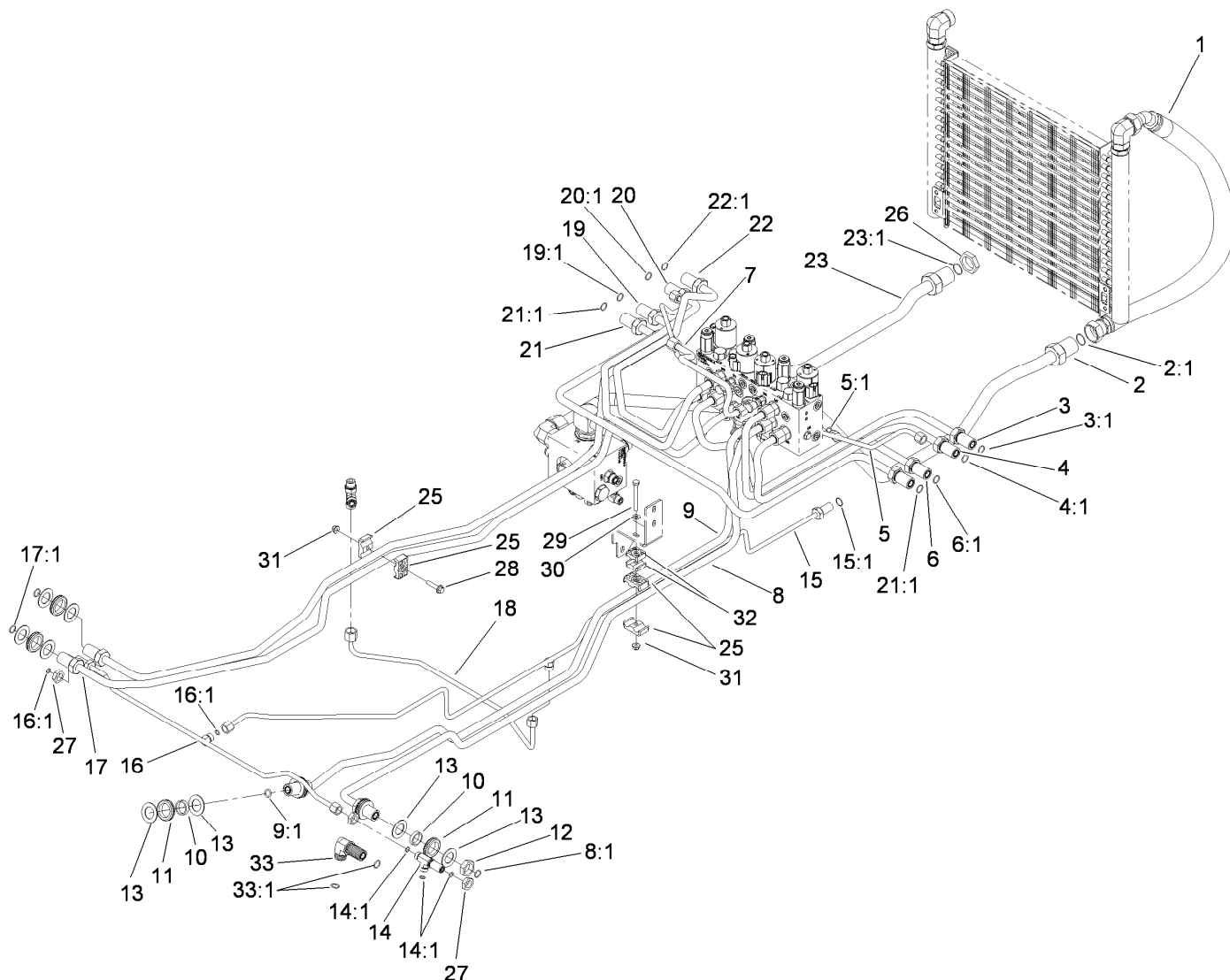
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 3    | 119-2010    | 1    | Orifice-Control, Flow (0.055) |
| 4    | 119-2009    | 2    | Orifice-Flow Control (0.030)  |
| 5    | 340-2       | 3    | Fitting-Straight              |
| 5:1  | 237-22      | 1    | O-Ring                        |
| 5:2  | 237-42      | 1    | O-Ring                        |
| 6    | 117-0115    | 1    | Plug                          |
| 6:1  | 237-78      | 1    | O-Ring                        |



## Traction Hydraulic Lines Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 92-7536     | 1    | Hose-HYD       |
| 2    | 105-9818    | 1    | Hose-HYD       |
| 3    | 114-8118    | 1    | Tube-HYD       |
| 3:1  | 237-58      | 1    | O-Ring         |
| 4    | 115-4431    | 1    | Tube-HYD       |
| 4:1  | 237-58      | 1    | O-Ring         |
| 5    | 105-7927    | 1    | Hose-HYD       |
| 6    | 69-8950     | 2    | Spacer         |
| 7    | 240-2       | 2    | Grommet-Rubber |
| 8    | 69-8920     | 4    | Washer         |
| 9    | 114-8149    | 1    | Tube-HYD       |
| 10   | 115-4426    | 1    | Tube-HYD       |
| 11   | 114-8148    | 1    | Tube-HYD       |
| 12   | 115-4351    | 1    | Tube-HYD       |
| 14   | 115-4427    | 1    | Tube-HYD       |
| 15   | 114-8145    | 1    | Tube-HYD       |
| 16   | 115-9113    | 1    | Tube-HYD       |
| 17   | 115-9126    | 1    | Tube-HYD       |

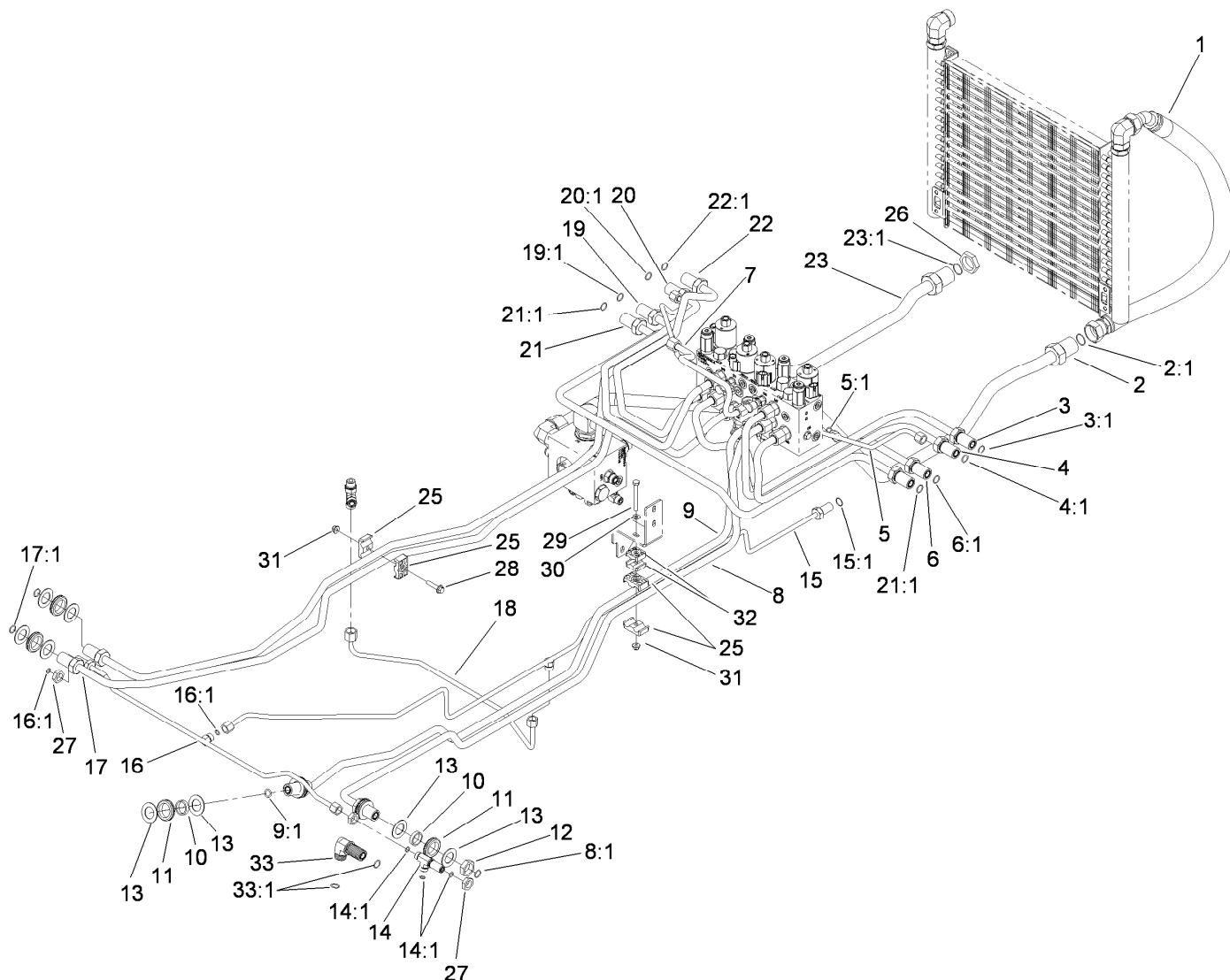
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 18   | 104-5462    | 1    | Tube ASM           |
| 19   | 114-8146    | 1    | Tube-HYD           |
| 20   | 114-8147    | 1    | Tube-HYD           |
| 21   | 92-7534     | 1    | Hose-HYD           |
| 22   | 104-5464    | 2    | Hose-HYD           |
| 24   | 114-4194    | 1    | Tube-HYD           |
| 24:1 | 237-22      | 3    | O-Ring             |
| 25   | 115-9124    | 1    | Tube-HYD           |
| 26   | 59-7410     | 2    | Fitting-Diagnostic |
| 26:1 | 237-42      | 1    | O-Ring             |
| 27   | 340-126     | 2    | Nut-Bulkhead       |
| 28   | 340-128     | 2    | Nut-Bulkhead       |
| 29   | 340-70      | 1    | Nut-Lock           |
| 34   | 354-79      | 2    | Cap-Dust           |
| 35   | 95-0979     | 1    | Cap-Ors            |
| 36   | 110-8829    | 1    | Sender-Temperature |
| 36:1 | 237-42      | 1    | O-Ring             |
| 37   | 340-117     | 2    | Cap                |



## Mow Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 104-5483    | 2    | Hose-HYD              |
| 2    | 115-4378    | 1    | Tube-HYD              |
| 2:1  | 340-65      | 1    | O-Ring                |
| 3    | 115-4372    | 1    | Tube-HYD              |
| 3:1  | 237-65      | 1    | O-Ring                |
| 4    | 115-4373    | 1    | Tube-HYD              |
| 4:1  | 237-65      | 1    | O-Ring                |
| 5    | 115-9125    | 1    | Tube-HYD              |
| 5:1  | 237-22      | 1    | O-Ring                |
| 6    | 115-4375    | 1    | Tube-HYD              |
| 6:1  | 237-65      | 1    | O-Ring                |
| 7    | 115-4398    | 1    | Tube-HYD              |
| 8    | 115-4371    | 1    | Tube-HYD              |
| 8:1  | 237-65      | 1    | O-Ring                |
| 9    | 115-4370    | 1    | Tube-HYD              |
| 9:1  | 237-65      | 1    | O-Ring                |
| 10   | 69-9000     | 13   | Spacer                |
| 11   | 240-3       | 13   | Grommet-Rubber        |
| 12   | 340-74      | 13   | Nut-Lock, Bulkhead    |
| 13   | 69-9010     | 26   | Washer                |
| 14   | 340-68      | 3    | Fitting-Tee, Bulkhead |

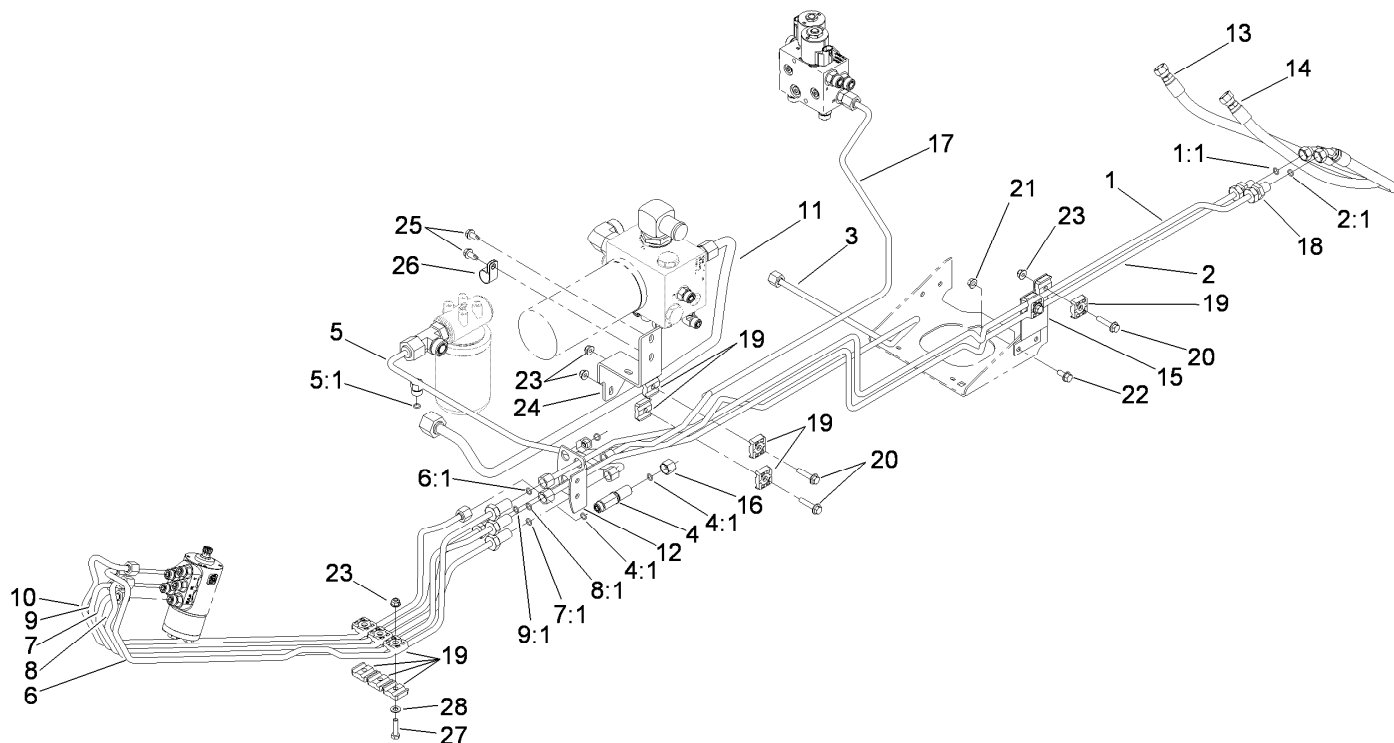
| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 14:1 | 237-22      | 3    | O-Ring       |
| 15   | 115-4433    | 1    | Tube-HYD     |
| 15:1 | 237-22      | 2    | O-Ring       |
| 16   | 115-9139    | 1    | Tube-HYD     |
| 16:1 | 237-22      | 2    | O-Ring       |
| 17   | 115-4374    | 1    | Tube-HYD     |
| 17:1 | 237-65      | 1    | O-Ring       |
| 18   | 115-9127    | 1    | Tube-HYD     |
| 19   | 105-3901    | 1    | Tube ASM     |
| 19:1 | 237-65      | 2    | O-Ring       |
| 20   | 115-4376    | 1    | Tube ASM     |
| 20:1 | 237-65      | 1    | O-Ring       |
| 21   | 105-3900    | 1    | Tube ASM     |
| 21:1 | 237-65      | 2    | O-Ring       |
| 22   | 115-4377    | 1    | Tube ASM     |
| 22:1 | 237-65      | 1    | O-Ring       |
| 23   | 115-4424    | 1    | Tube ASM     |
| 23:1 | 340-65      | 1    | O-Ring       |
| 25   | 56-7971     | 4    | Clamp-Tube   |
| 26   | 340-128     | 2    | Nut-Bulkhead |
| 27   | 340-70      | 4    | Nut-Lock     |



## Mow Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 28   | 115-1794    | 1    | Screw-HHF    |
| 29   | 322-13      | 1    | Screw-HH     |
| 30   | 3256-23     | 1    | Washer-Plain |
| 31   | 104-8300    | 2    | Nut-HF, NI   |

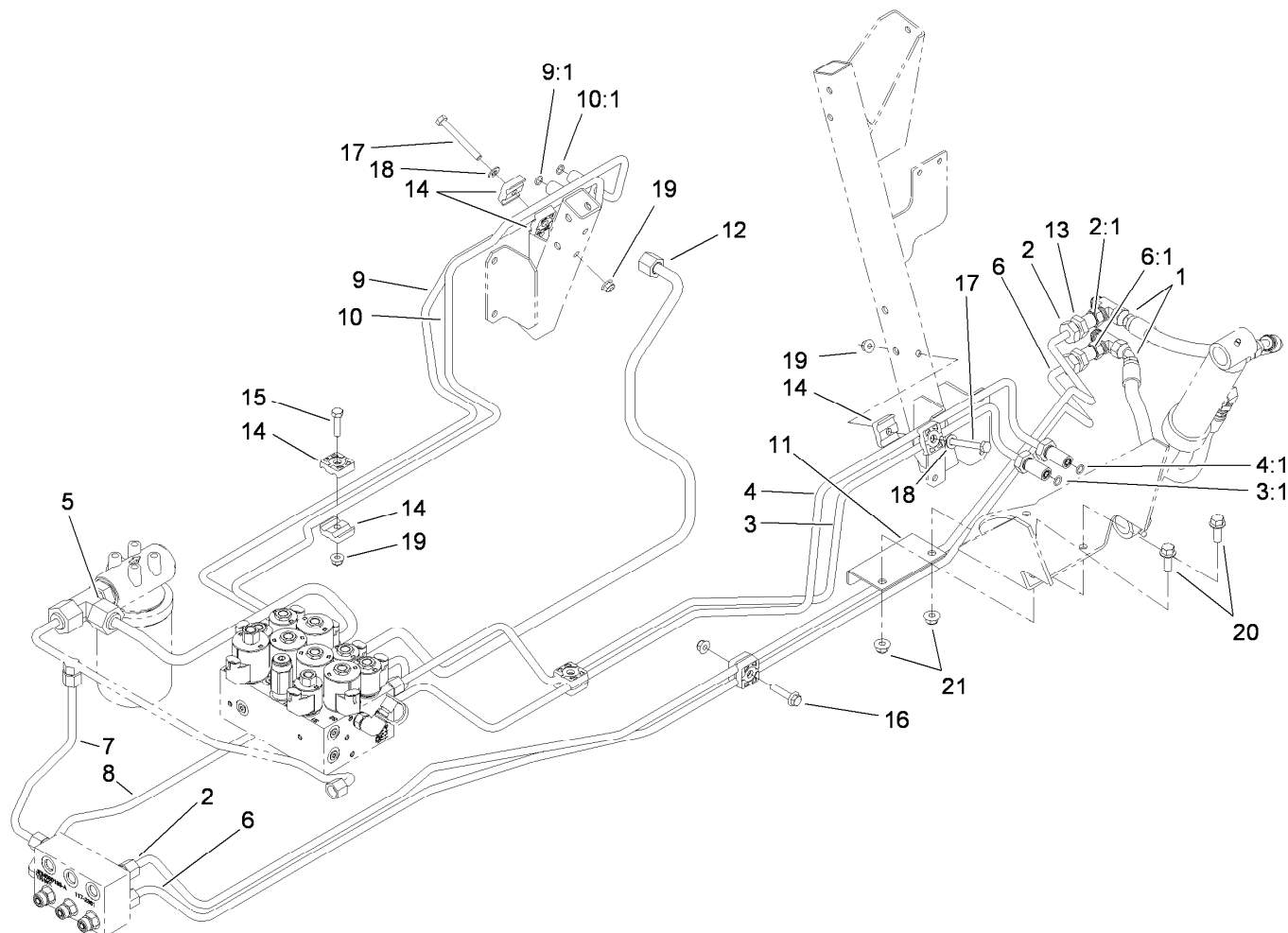
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 32   | 56-7973     | 2    | Clamp-Tube               |
| 33   | 340-72      | 1    | Fitting-Bulkhead, 90 DEG |
| 33:1 | 237-65      | 2    | O-Ring                   |



## Hydraulic Steering Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 105-3871    | 1    | Tube ASM              |
| 1:1  | 237-22      | 1    | O-Ring                |
| 2    | 115-9128    | 1    | Tube ASM              |
| 2:1  | 237-22      | 1    | O-Ring                |
| 3    | 115-4428    | 1    | Tube-HYD              |
| 4    | 340-68      | 1    | Fitting-Tee, Bulkhead |
| 4:1  | 237-22      | 3    | O-Ring                |
| 5    | 115-4412    | 1    | Tube ASM              |
| 5:1  | 237-22      | 1    | O-Ring                |
| 6    | 115-4408    | 1    | Tube ASM              |
| 6:1  | 237-22      | 1    | O-Ring                |
| 7    | 115-4406    | 1    | Tube ASM              |
| 7:1  | 237-22      | 1    | O-Ring                |
| 8    | 115-4409    | 1    | Tube ASM              |
| 8:1  | 237-22      | 1    | O-Ring                |
| 9    | 115-4405    | 1    | Tube ASM              |
| 9:1  | 237-22      | 1    | O-Ring                |
| 10   | 115-4407    | 1    | Tube-HYD              |

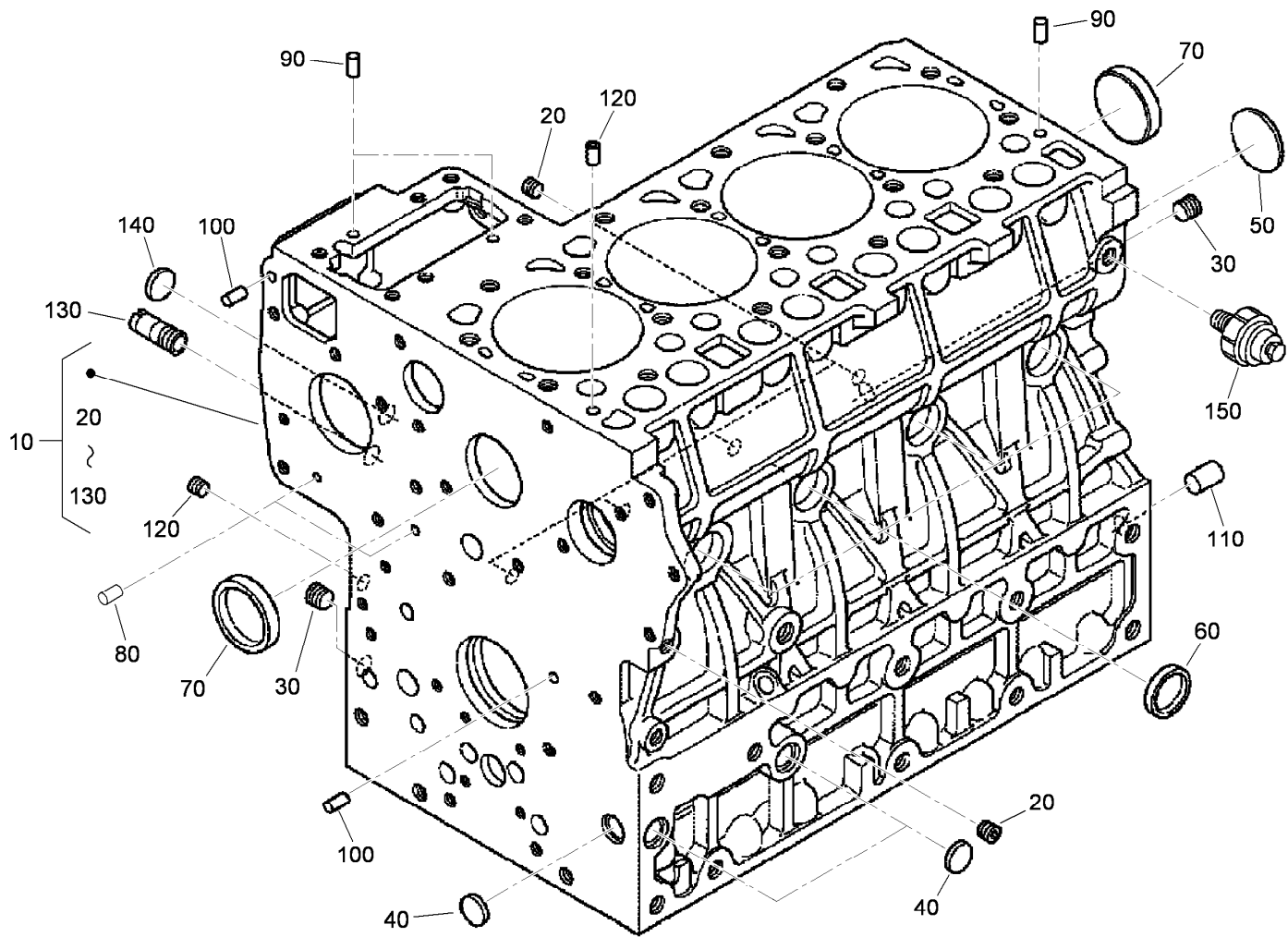
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 11   | 115-4425    | 1    | Tube-HYD              |
| 12   | 92-7606-03  | 1    | Bracket-Bulkhead      |
| 13   | 105-9817    | 1    | Hose-HYD              |
| 14   | 92-7539     | 1    | Hose-HYD              |
| 15   | 105-3873-03 | 1    | Bracket-Mount, Clamp  |
| 16   | 340-117     | 1    | Cap                   |
| 17   | 115-4422    | 1    | Tube-HYD              |
| 18   | 340-70      | 7    | Nut-Lock              |
| 19   | 56-7973     | 14   | Clamp-Tube            |
| 20   | 115-1794    | 4    | Screw-HHF             |
| 21   | 32128-20    | 2    | Nut-HF                |
| 22   | 3234-5      | 2    | Screw-HHF             |
| 23   | 104-8300    | 7    | Nut-HF, NI            |
| 24   | 105-3993-03 | 1    | Bracket-Support, Tube |
| 25   | 32104-32    | 4    | Screw-HWH             |
| 26   | 2412-41     | 1    | Clamp-R               |
| 27   | 322-6       | 3    | Screw-HH              |
| 28   | 3256-23     | 3    | Washer-Plain          |



## Lift Cylinder Line Assembly

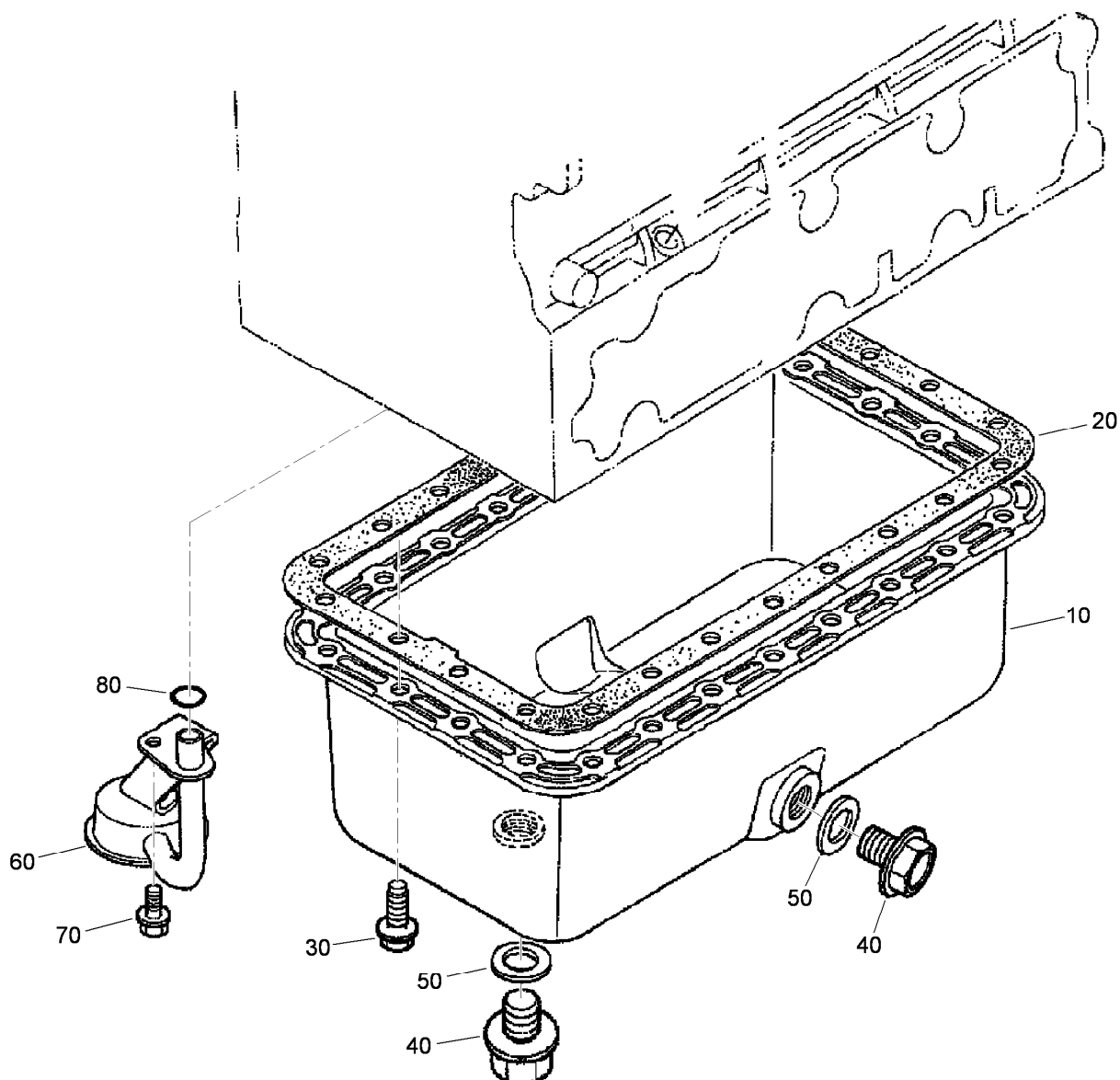
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 105-9238    | 4    | Hose-HYD    |
| 2    | 105-3988    | 1    | Tube ASM    |
| 2:1  | 237-22      | 1    | O-Ring      |
| 3    | 114-8140    | 1    | Tube ASM    |
| 3:1  | 237-22      | 1    | O-Ring      |
| 4    | 114-8141    | 1    | Tube ASM    |
| 4:1  | 237-22      | 1    | O-Ring      |
| 5    | 114-8143    | 1    | Tube-HYD    |
| 6    | 105-3989    | 1    | Tube ASM    |
| 6:1  | 237-22      | 1    | O-Ring      |
| 7    | 115-9121    | 1    | Tube-HYD    |
| 8    | 114-8142    | 1    | Tube-HYD    |
| 9    | 114-8138    | 1    | Tube ASM    |
| 9:1  | 237-22      | 1    | O-Ring      |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 114-8139    | 1    | Tube ASM              |
| 10:1 | 237-22      | 1    | O-Ring                |
| 11   | 105-3990-03 | 1    | Bracket-Support, Tube |
| 12   | 114-8144    | 1    | Tube-HYD              |
| 13   | 340-70      | 6    | Nut-Lock              |
| 14   | 56-7973     | 12   | Clamp-Tube            |
| 15   | 322-6       | 2    | Screw-HH              |
| 16   | 115-1794    | 2    | Screw-HHF             |
| 17   | 322-13      | 2    | Screw-HH              |
| 18   | 3256-23     | 4    | Washer-Plain          |
| 19   | 104-8300    | 6    | Nut-HF, NI            |
| 20   | 3234-11     | 2    | Screw-HHF             |
| 21   | 104-8301    | 2    | Nut-HF, NI            |



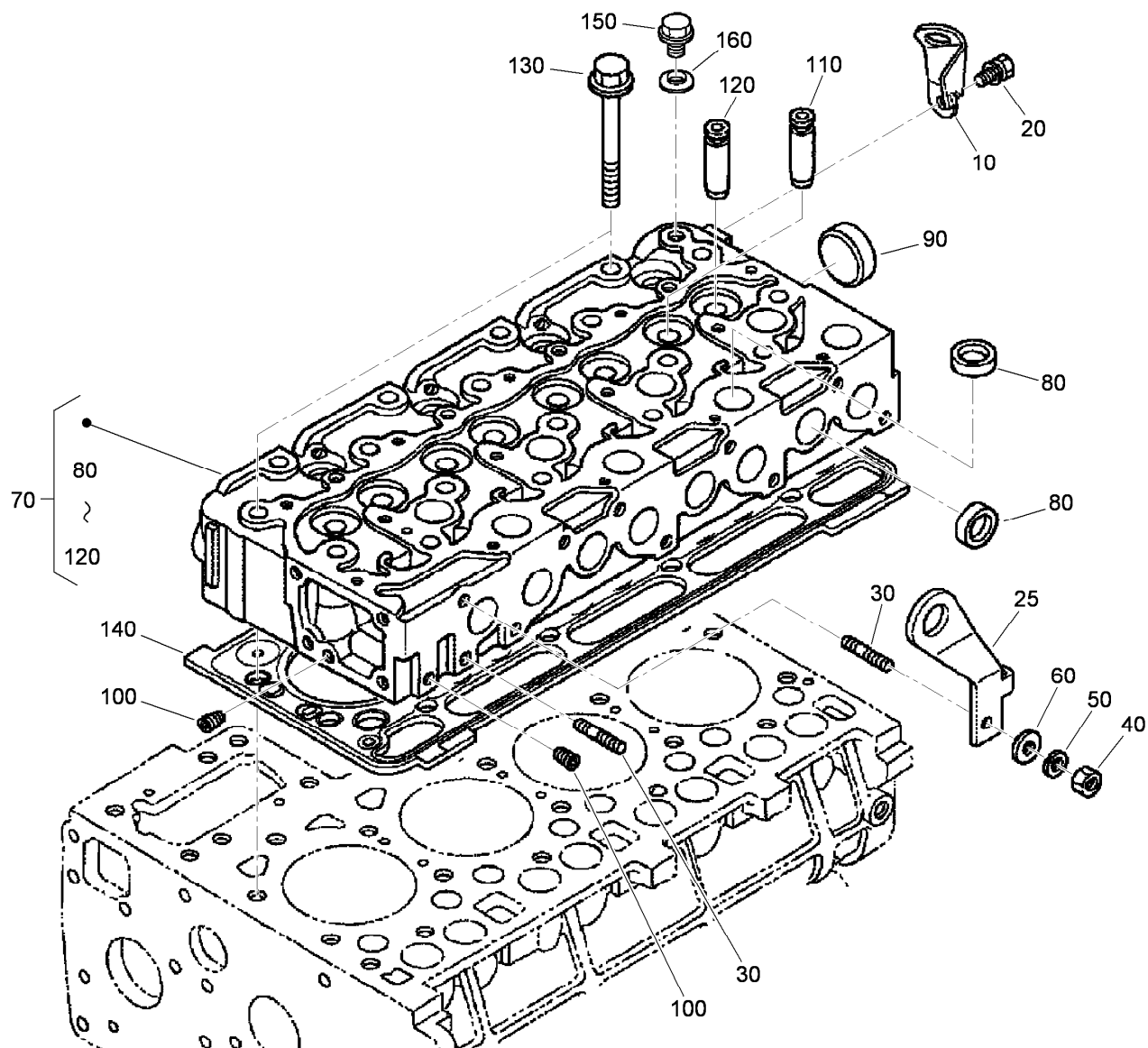
## Crankcase Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-8500    | 1    | Crankcase ASM      |
| 20   | 98-7487     | 2    | Plug               |
| 30   | 107-0107    | 6    | Plug               |
| 40   | 98-9379     | 2    | Plug-Expansion     |
| 50   | 98-9668     | 3    | Plug-Expansion     |
| 60   | 98-7500     | 6    | Cap-Sealing        |
| 70   | 98-7501     | 2    | Cap-Sealing        |
| 80   | 98-7502     | 2    | Pin-Straight       |
| 90   | 98-7503     | 2    | Pin-Straight       |
| 100  | 98-7504     | 2    | Pin-Straight       |
| 110  | 98-7505     | 1    | Pin-Straight       |
| 120  | 98-7506     | 1    | Pin-Pipe           |
| 130  | 100-9153    | 1    | Pipe-Return, Water |
| 140  | 100-2020    | 1    | Cap-Sealing        |
| 150  | 98-9416     | 1    | Switch-Oil         |



## Oil Pan Assembly

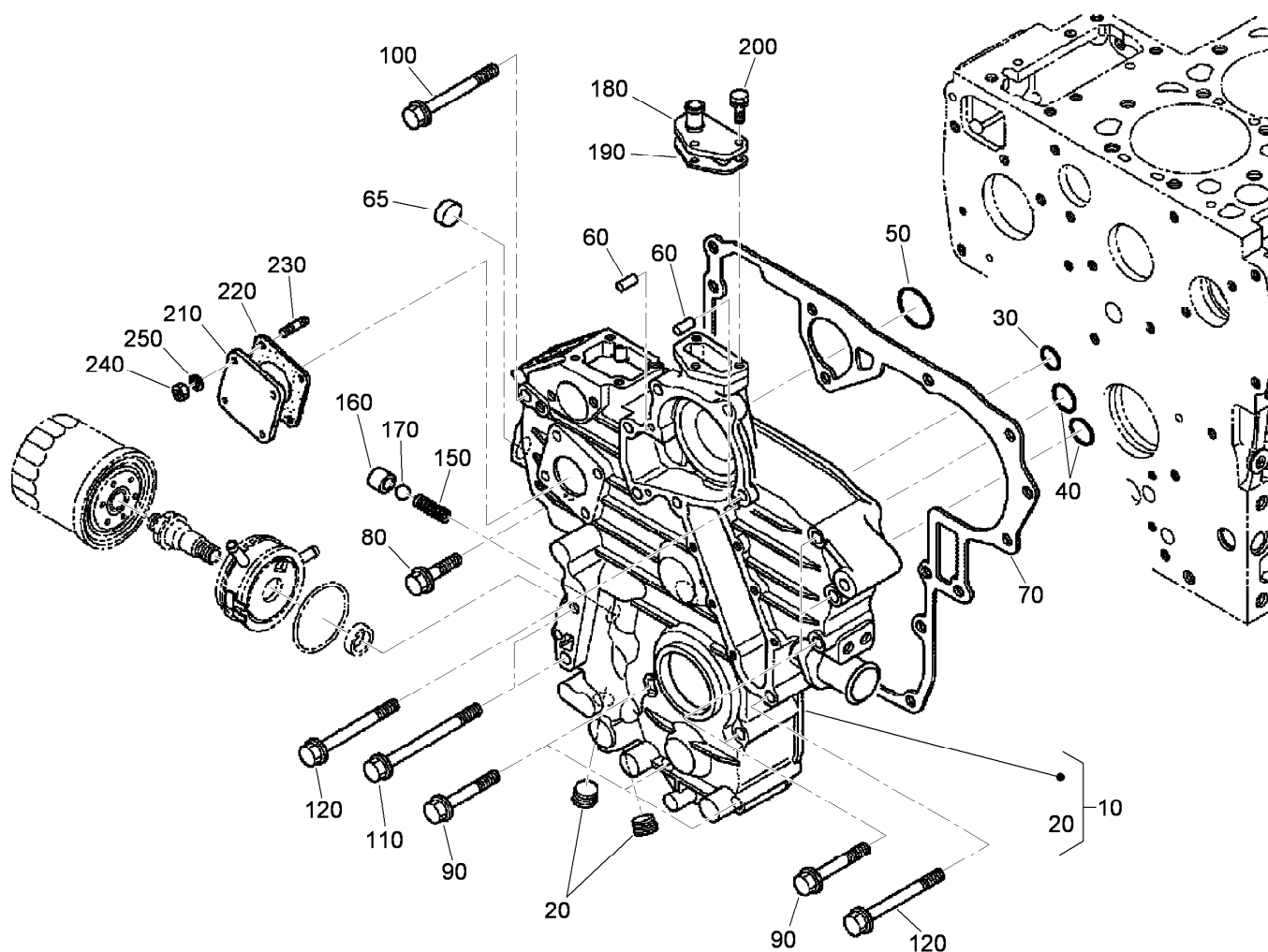
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 115-8501    | 1    | Oil Pan ASM     |
| 20   | 108-7053    | 1    | Gasket-Pan, Oil |
| 30   | 115-8502    | 24   | Bolt-Flange     |
| 40   | 98-9686     | 2    | Plug-Drain      |
| 50   | 98-9399     | 2    | Gasket          |
| 60   | 115-8503    | 1    | Filter-Oil      |
| 70   | 115-8504    | 1    | Bolt-Flange     |
| 80   | 108-7054    | 1    | O-Ring          |



## Cylinder Head Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-7530     | 1    | Hook-Engine          |
| 20   | 98-7526     | 1    | Bolt                 |
| 25   | 115-8505    | 1    | Hook                 |
| 30   | 115-8506    | 2    | Stud                 |
| 40   | 98-7534     | 1    | Nut                  |
| 50   | 105-2893    | 1    | Washer-Spring        |
| 60   | 98-7536     | 1    | Washer-Plain         |
| 70   | 115-8507    | 1    | Head-Cylinder        |
| 80   | 98-7538     | 12   | Cap-Sealing          |
| 90   | 98-7539     | 1    | Cap-Sealing          |
| 100  | 98-7540     | 2    | Plug                 |
| 110  | 98-7541     | 4    | Guide-Valve, Intake  |
| 120  | 115-8508    | 4    | Guide-Valve, Exhaust |

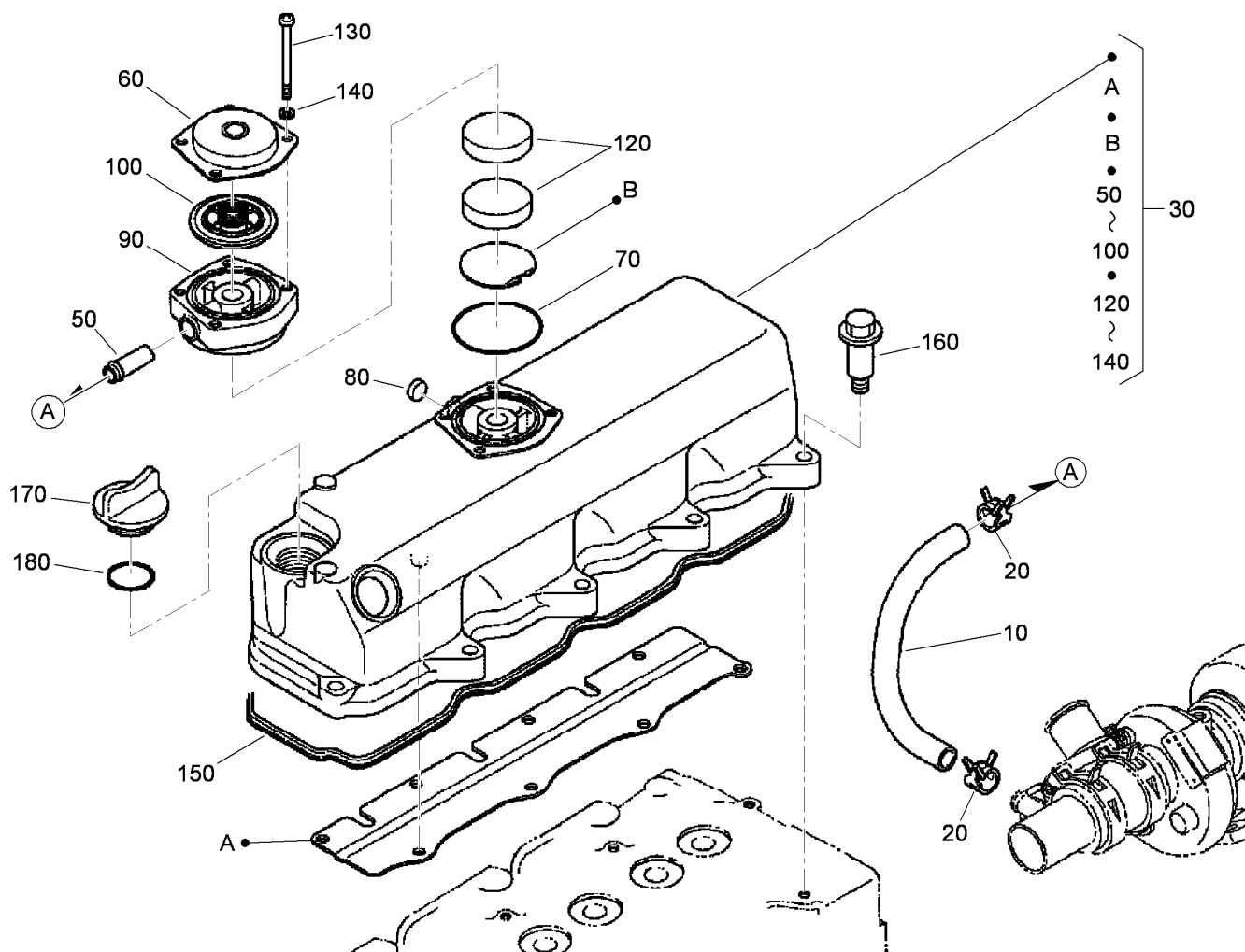
| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 130  | 98-7543     | 18   | Bolt-Head, Cylinder            |
| 140  | 115-8647    | 1    | Gasket-Head, Cylinder (1.15Mm) |
| 140  | 115-8509    | 1    | Gasket-Head, Cylinder (1.20Mm) |
| 140  | 115-8510    | 1    | Gasket-Head, Cylinder (1.25Mm) |
| 140  | 115-8511    | 1    | Gasket-Head, Cylinder (1.30Mm) |
| 140  | 115-8512    | 1    | Gasket-Head, Cylinder (1.35Mm) |
| 150  | 98-7762     | 1    | Plug                           |
| 160  | 98-7763     | 1    | Washer-W/Rubber                |



## Gear Case Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 115-8513    | 1    | Gear Case ASM     |
| 20   | 98-9598     | 2    | Plug              |
| 30   | 107-0104    | 1    | O-Ring            |
| 40   | 115-8514    | 2    | O-Ring            |
| 50   | 107-0106    | 1    | O-Ring            |
| 60   | 98-7504     | 2    | Pin-Straight      |
| 65   | 115-8515    | 1    | Cap-Sealing       |
| 70   | 115-8516    | 1    | Gasket-Case, Gear |
| 80   | 108-7085    | 1    | Bolt-Flange       |
| 90   | 115-8517    | 7    | Bolt-Flange       |
| 100  | 115-8518    | 1    | Bolt-Flange       |
| 110  | 115-8519    | 2    | Bolt-Flange       |

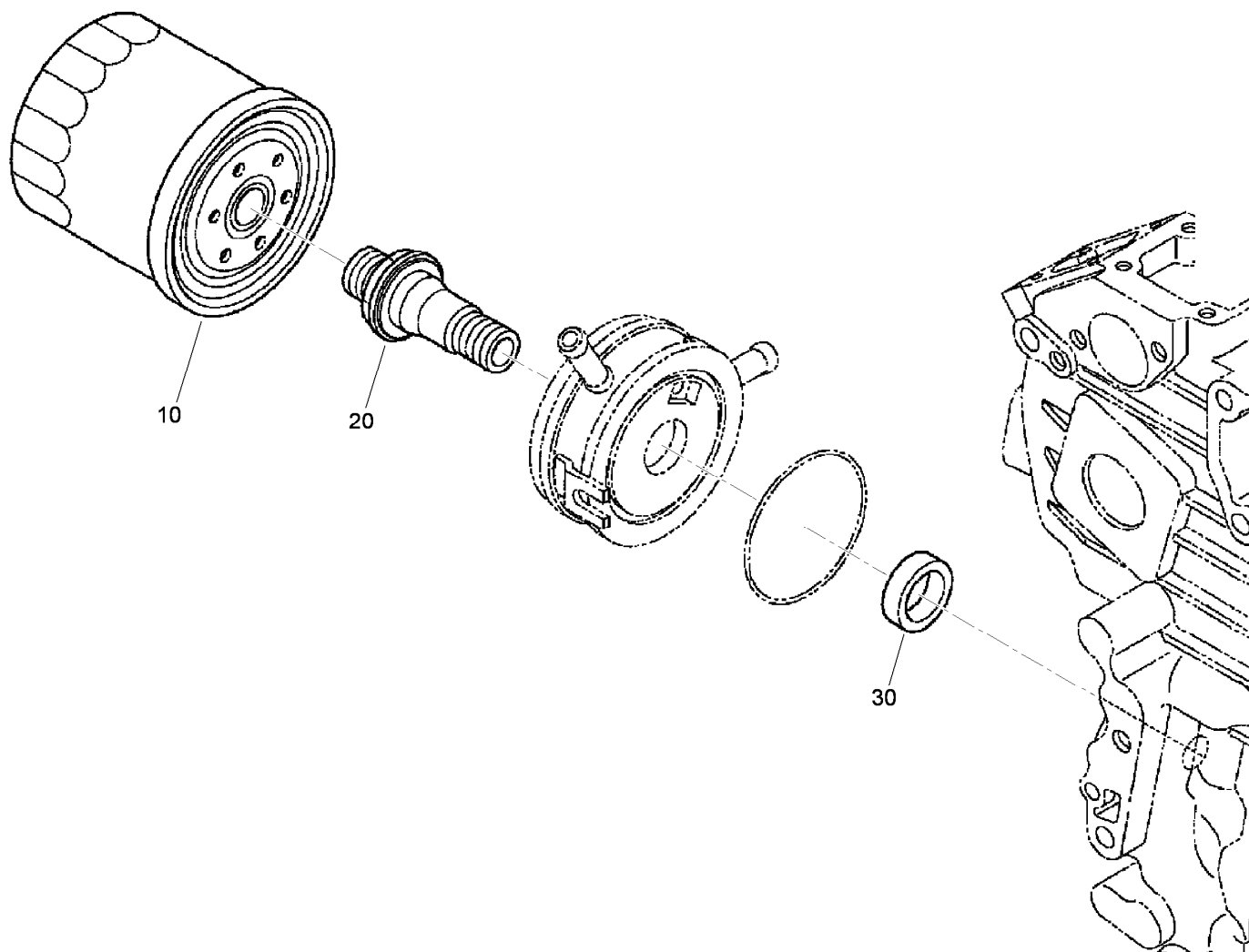
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 120  | 115-8520    | 4    | Bolt-Flange           |
| 150  | 98-7563     | 1    | Spring                |
| 160  | 98-7564     | 1    | Seat-Valve            |
| 170  | 98-7565     | 1    | Ball                  |
| 180  | 98-7566     | 1    | Flange-Return, Water  |
| 190  | 115-8521    | 1    | Gasket-Flange, Return |
| 200  | 98-7568     | 3    | Bolt                  |
| 210  | 98-7569     | 1    | Cover                 |
| 220  | 115-8522    | 1    | Gasket-Meter, Hour    |
| 230  | 98-7571     | 4    | Stud                  |
| 240  | 98-7572     | 4    | Nut                   |
| 250  | 98-9367     | 4    | Washer-Spring         |



## Cylinder Head Cover Assembly

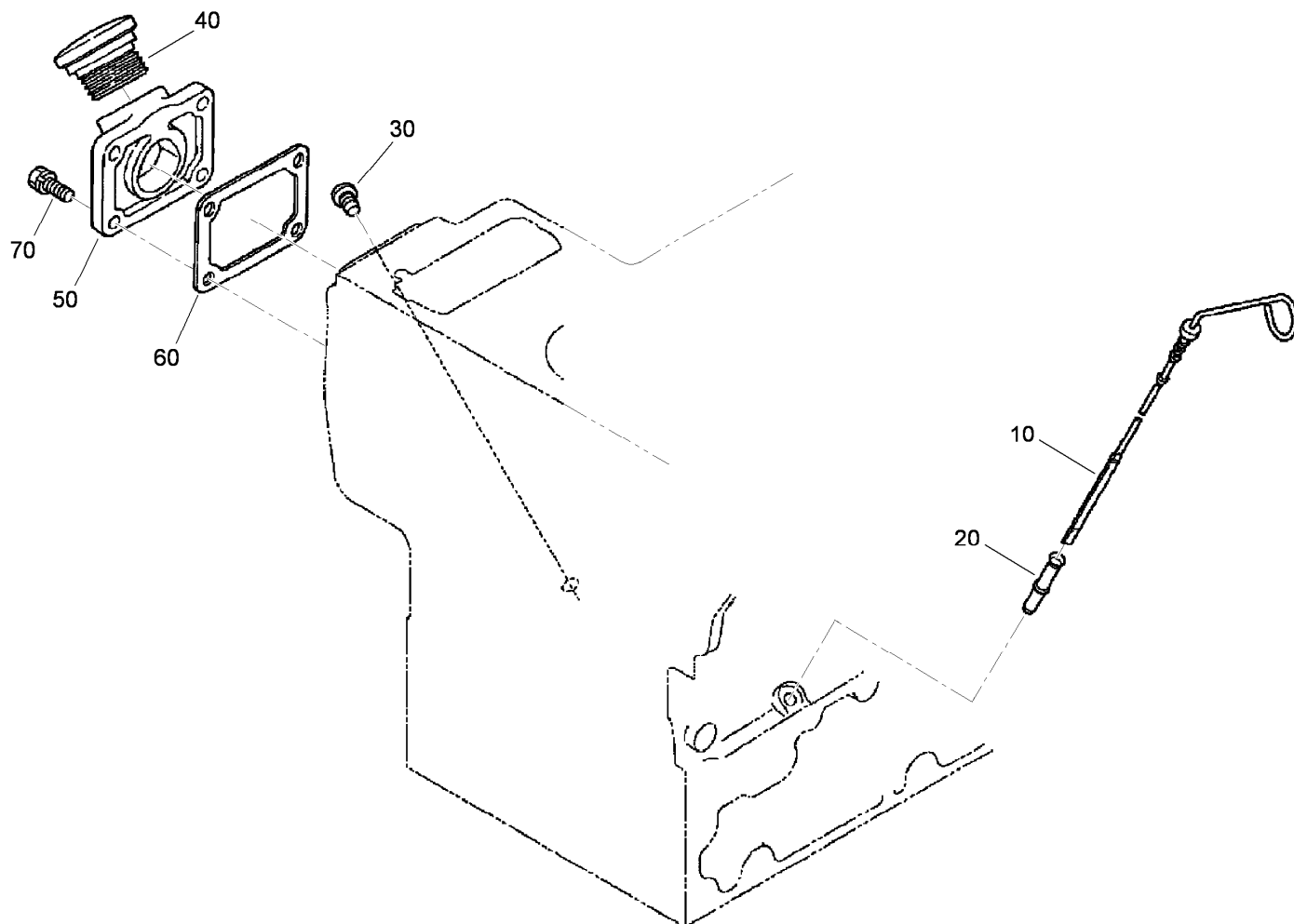
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 115-8523    | 1    | Tube-Breather, Turbo    |
| 20   | 115-8524    | 2    | Clamp-Hose              |
| 30   | 115-8525    | 1    | Cylinder Head Cover ASM |
| 50   | 98-7766     | 1    | Pipe-Return, Water      |
| 60   | 110-3714    | 1    | Cover-Breather          |
| 70   | 108-7061    | 1    | O Ring-Breather         |
| 80   | 115-3042    | 1    | Cap-Sealing             |
| 90   | 115-8526    | 1    | Spacer-Breather         |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 100  | 110-3715    | 1    | Valve-Breather     |
| 120  | 98-9493     | 2    | Element-Breather   |
| 130  | 115-3044    | 4    | Screw-Pan Head     |
| 140  | 100-2204    | 4    | Washer-Spring      |
| 150  | 108-7062    | 1    | Gasket-Cover, Head |
| 160  | 108-7063    | 10   | Bolt               |
| 170  | 98-9449     | 1    | Plug-Filler, Oil   |
| 180  | 108-7064    | 1    | O-Ring             |



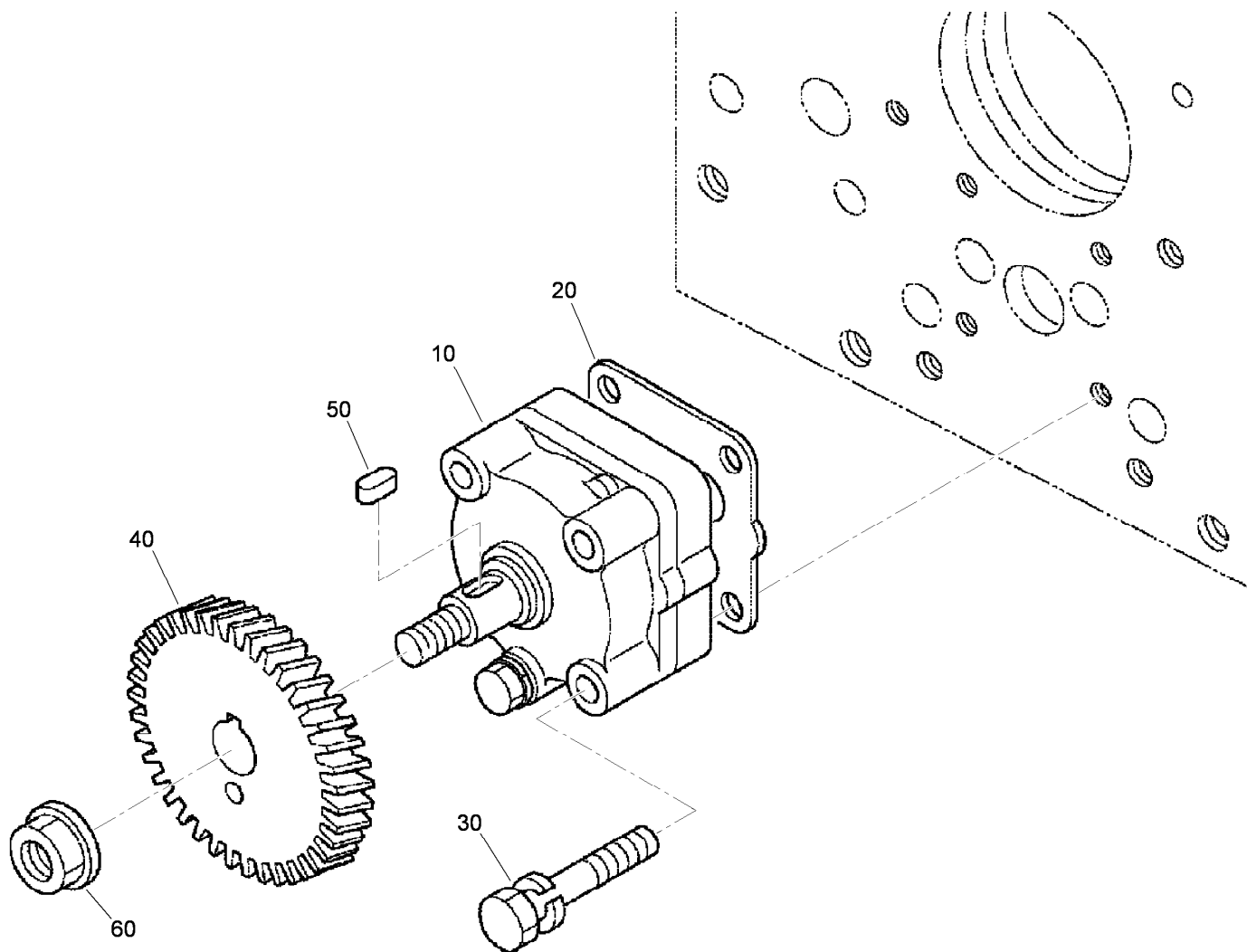
## Oil Filter Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 104-5169           | 1           | Filter-Oil         |
| 20          | 115-8528           | 1           | Connector          |
| 30          | 115-8529           | 1           | Collar             |



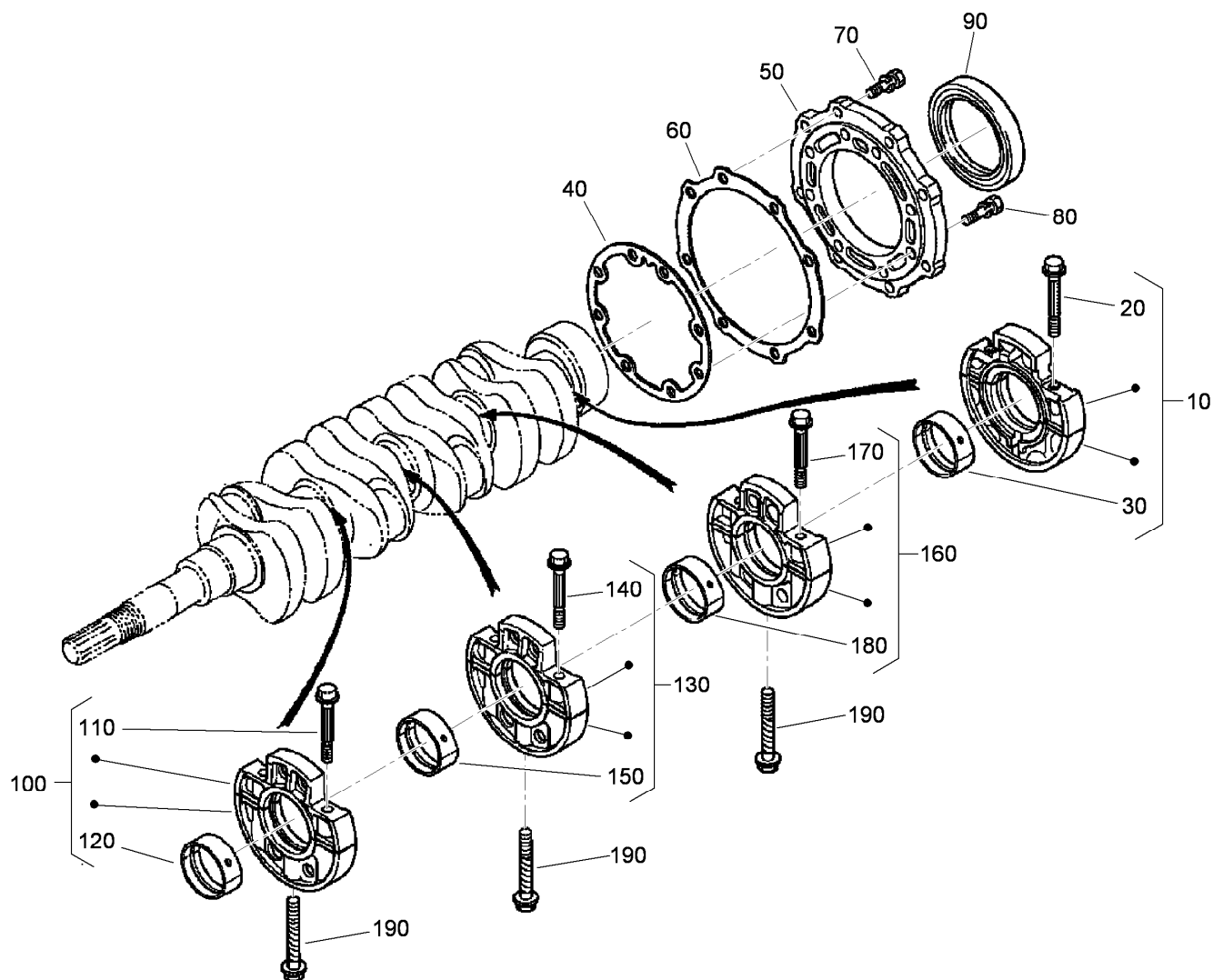
## Dipstick and Guide Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-8530    | 1    | Gauge-Oil          |
| 20   | 105-4580    | 1    | Guide-Gauge, Oil   |
| 30   | 110-3720    | 1    | Plug-Gauge, Oil    |
| 40   | 115-8531    | 1    | Plug-Filler, Oil   |
| 50   | 115-8532    | 1    | Flange-Filler, Oil |
| 60   | 98-7604     | 1    | Gasket-Cover, Pump |
| 70   | 98-7605     | 4    | Bolt               |



## Oil Pump Assembly

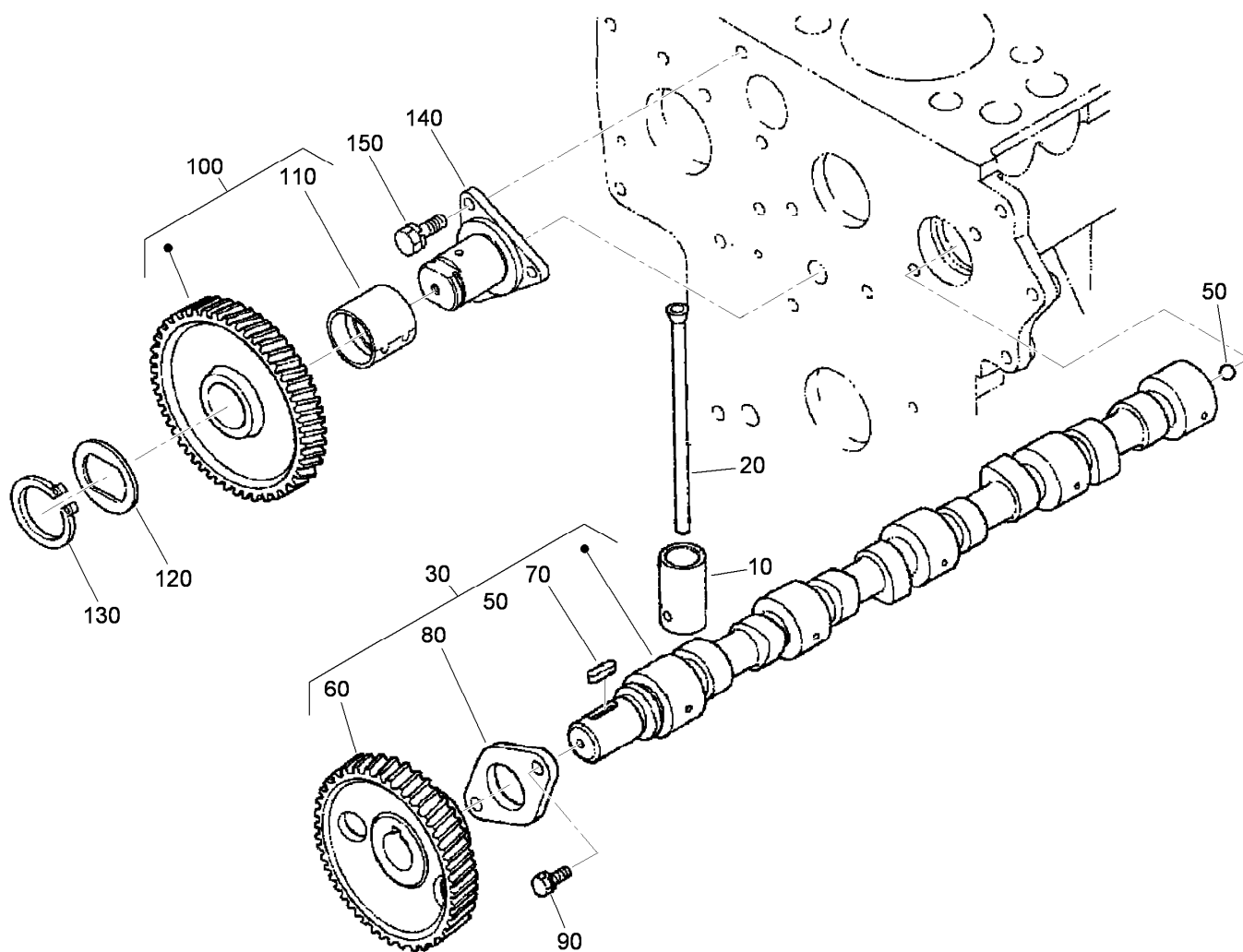
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-7512     | 1    | Oil Pump ASM         |
| 20   | 98-7513     | 1    | Gasket-Pump, Oil     |
| 30   | 105-3797    | 4    | Bolt                 |
| 40   | 115-8533    | 1    | Gear-Drive, Oil Pump |
| 50   | 98-7517     | 1    | Key-Feather          |
| 60   | 98-7518     | 1    | Nut-Flange           |



## Main Bearing Case Assembly

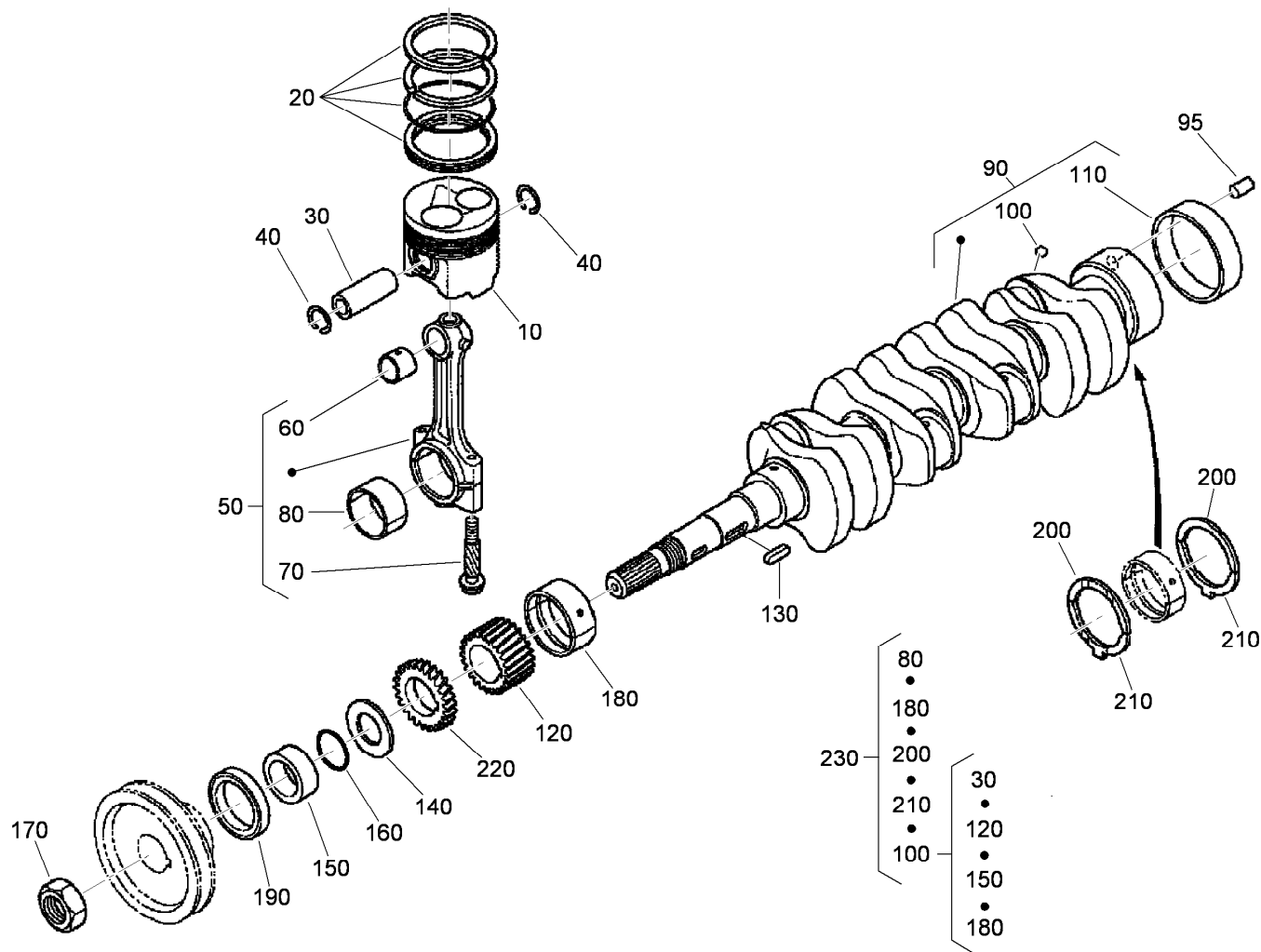
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 10   | 115-8534    | 1    | Wheel Bearing Case ASM     |
| 20   | 108-7066    | 2    | Bolt-Case, Bearing         |
| 30   | 108-7067    | 1    | Metal-Crankshaft (STD)     |
| 30   | 108-7068    | 1    | Metal-Crankshaft (-0.20Mm) |
| 30   | 108-7069    | 1    | Metal-Crankshaft (-0.40Mm) |
| 40   | 108-7070    | 1    | Gasket-Case, Bearing       |
| 50   | 117-8843    | 1    | Cover-Case, Bearing        |
| 60   | 98-7437     | 1    | Gasket-Case Cover, Bearing |
| 70   | 98-7438     | 8    | Bolt                       |
| 80   | 98-7439     | 8    | Bolt                       |
| 90   | 108-7072    | 1    | Seal-Oil                   |
| 100  | 115-8535    | 1    | Main Bearing Case ASM      |
| 110  | 108-7066    | 2    | Bolt-Case, Bearing         |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 120  | 108-7067    | 1    | Metal-Crankshaft (STD)     |
| 120  | 108-7068    | 1    | Metal-Crankshaft (-0.20Mm) |
| 120  | 108-7069    | 1    | Metal-Crankshaft (-0.40Mm) |
| 130  | 108-7074    | 1    | Main Bearing Case ASM      |
| 140  | 108-7066    | 2    | Bolt-Case, Bearing         |
| 150  | 108-7069    | 1    | Metal-Crankshaft (-0.40Mm) |
| 150  | 108-7068    | 1    | Metal-Crankshaft (-0.20Mm) |
| 150  | 108-7067    | 1    | Metal-Crankshaft (STD)     |
| 160  | 115-8536    | 1    | Main Bearing Case ASM      |
| 170  | 108-7066    | 2    | Bolt-Case, Bearing         |
| 180  | 108-7067    | 1    | Metal-Crankshaft (STD)     |
| 180  | 108-7068    | 1    | Metal-Crankshaft (-0.20Mm) |
| 180  | 108-7069    | 1    | Metal-Crankshaft (-0.40Mm) |
| 190  | 98-7444     | 3    | Bolt-Case, Bearing         |



## Cam Shaft and Idle Gear Assembly

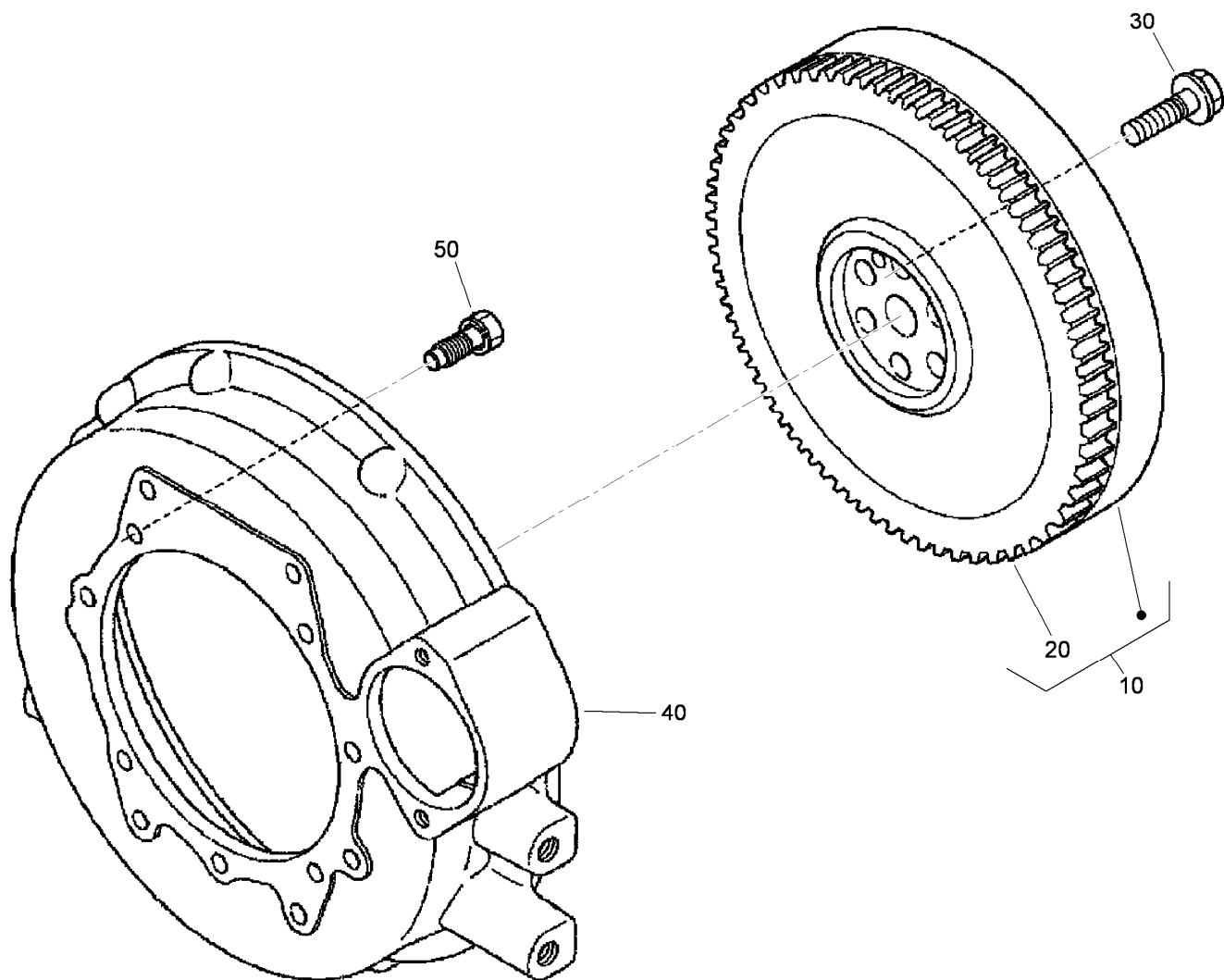
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-7445     | 8    | Tappet              |
| 20   | 115-8537    | 8    | Rod-Push            |
| 30   | 115-8538    | 1    | Camshaft ASM        |
| 50   | 110-3729    | 1    | Ball                |
| 60   | 115-8539    | 1    | Gear-Cam            |
| 70   | 98-7451     | 1    | Key-Feather         |
| 80   | 98-7452     | 1    | Stopper-Camshaft    |
| 90   | 98-7453     | 2    | Bolt                |
| 100  | 107-0109    | 1    | Gear-Idler          |
| 110  | 107-0110    | 1    | Bushing-Gear, Idler |
| 120  | 107-0111    | 1    | Collar              |
| 130  | 107-0112    | 1    | Circlip-External    |
| 140  | 115-8646    | 1    | Shaft-Gear, Idler   |
| 150  | 98-7453     | 3    | Bolt                |



## Piston and Crankshaft Assembly

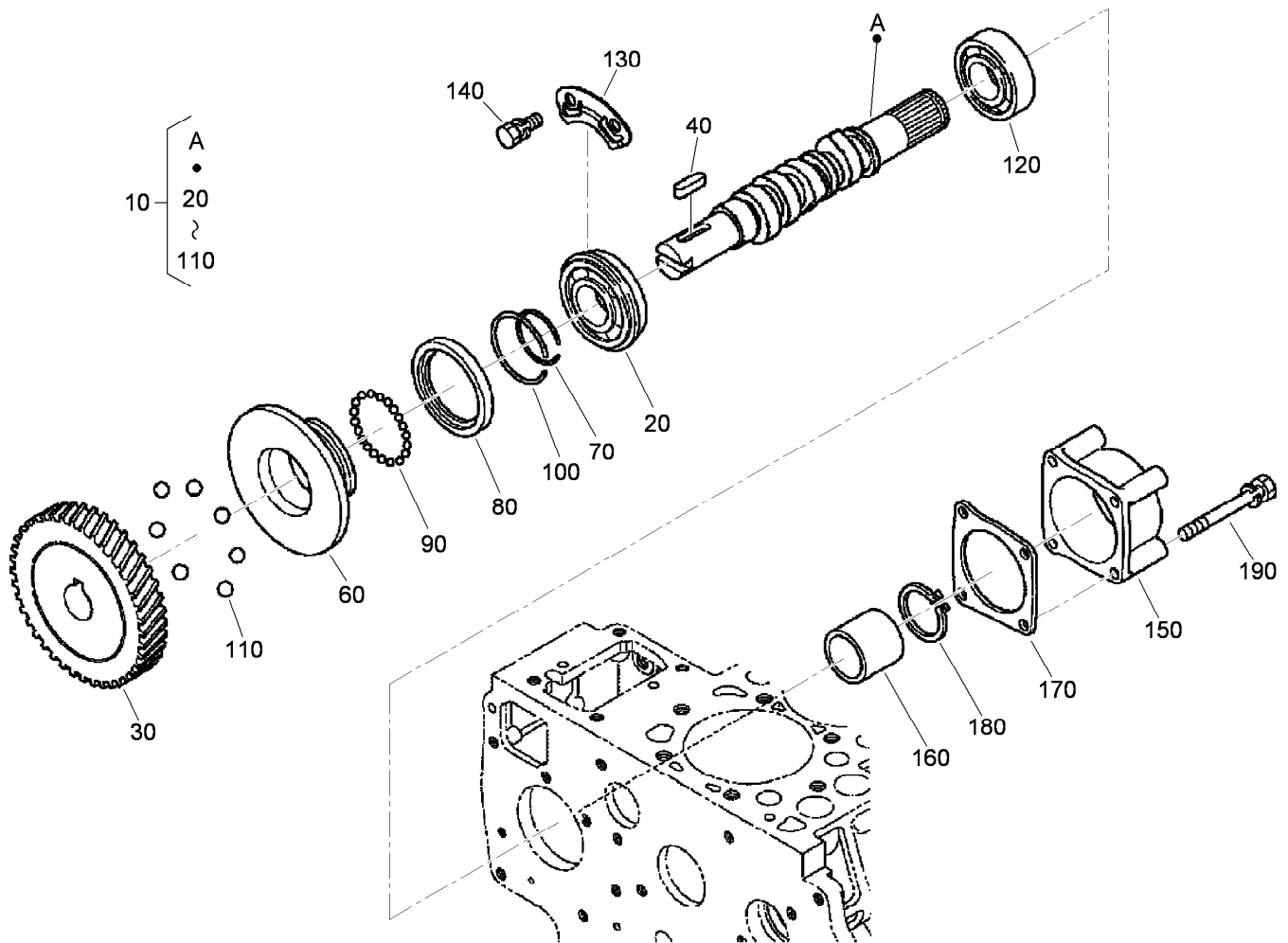
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 115-8540    | 4    | Piston                   |
| 10   | 115-8541    | 4    | Piston                   |
| 20   | 115-8543    | 1    | Piston Ring ASM          |
| 20   | 115-8542    | 4    | Piston Ring ASM          |
| 30   | 115-8544    | 4    | Pin-Piston               |
| 40   | 112-7002    | 8    | Circlip                  |
| 50   | 115-8545    | 4    | Connecting Rod ASM       |
| 60   | 115-8546    | 4    | Bushing-Pin, Piston      |
| 70   | 98-7468     | 8    | Bolt-Rod, Connecting     |
| 80   | 98-7469     | 4    | Metal-Crankpin (STD)     |
| 80   | 115-8548    | 4    | Metal-Crankpin (-0.40Mm) |
| 80   | 115-8547    | 4    | Metal-Crankpin (-0.20Mm) |
| 90   | 115-8549    | 1    | *obs* Crankshaft         |
| 95   | 115-8550    | 1    | Pin-Straight             |
| 100  | 110-3729    | 4    | Ball                     |
| 110  | 98-7474     | 1    | Sleeve-Crankshaft        |
| 120  | 115-8551    | 1    | Gear-Crank               |
| 130  | 115-8552    | 1    | Key-Feather              |
| 140  | 98-7476     | 1    | Slinger-Oil              |

| Ref. | Part Number | Qty. | Description                        |
|------|-------------|------|------------------------------------|
| 150  | 98-7477     | 1    | Collar-Crankshaft                  |
| 160  | 98-7478     | 1    | O-Ring                             |
| 170  | 98-7479     | 1    | Nut-Crankshaft                     |
| 180  | 108-7075    | 1    | Metal-Crankshaft (STD)             |
| 180  | 108-7076    | 1    | Metal-Crankshaft (-0.20Mm)         |
| 180  | 108-7077    | 1    | Metal-Crankshaft (-0.40Mm)         |
| 190  | 98-7480     | 1    | Seal-Oil                           |
| 200  | 108-7078    | 2    | Metal-Side (STD)                   |
| 200  | 108-7079    | 2    | Metal-Side (+0.20Mm)               |
| 200  | 108-7080    | 2    | Metal-Side (+0.40Mm)               |
| 210  | 108-7081    | 2    | Metal-Side (STD)                   |
| 210  | 108-7082    | 2    | Metal-Side (+0.20Mm)               |
| 210  | 108-7083    | 2    | Metal-Side (+0.40Mm)               |
| 220  | 115-8553    | 1    | Gear-Drive, Oil Pump               |
| 230  | 115-8554    | 1    | Engine Metal Kit                   |
| 230  | 115-8555    | 1    | Engine Metal Kit (-0.20Mm/+0.20Mm) |
| 230  | 115-8556    | 1    | Engine Metal Kit (-0.40Mm/+0.40Mm) |



## Flywheel Assembly

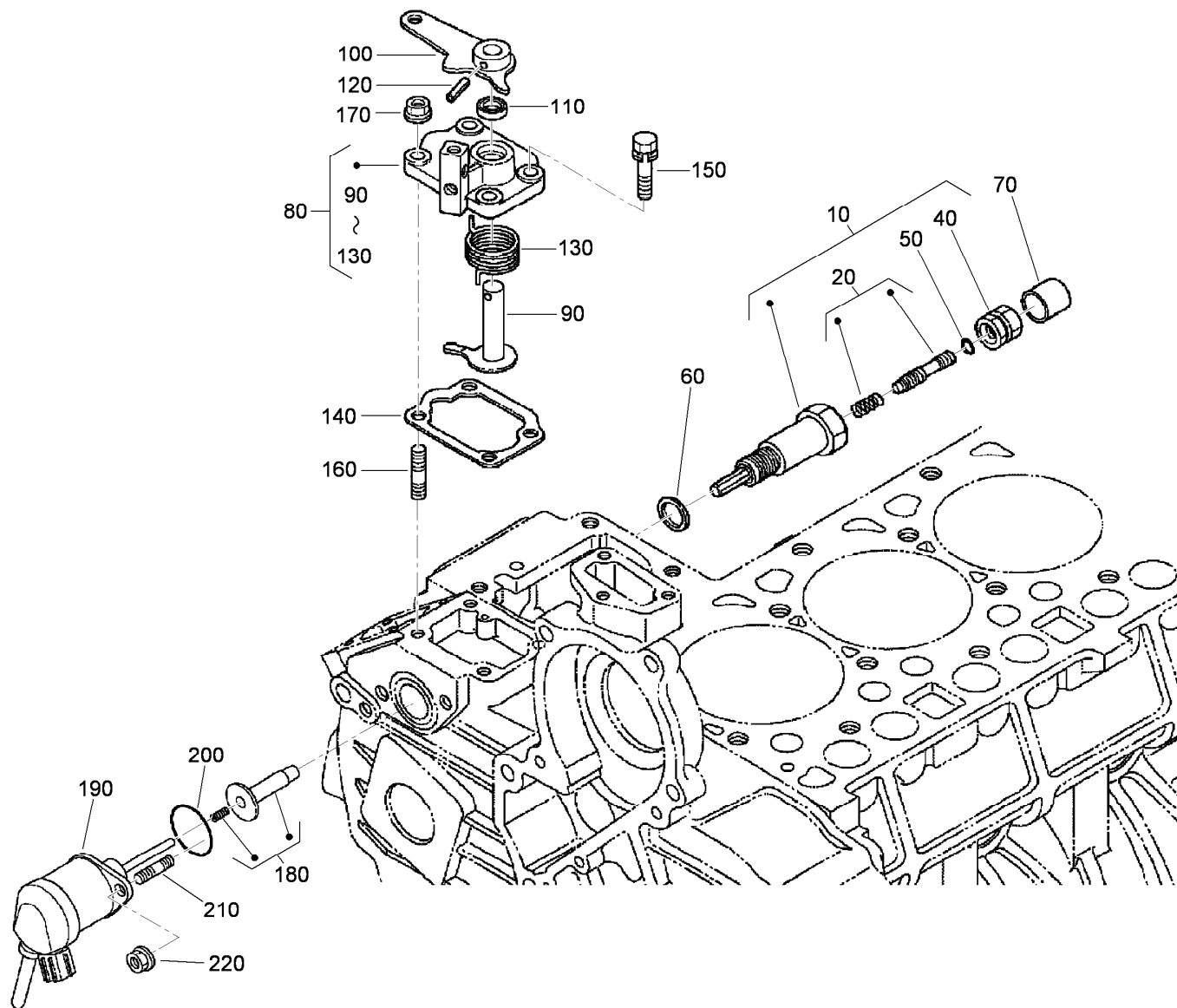
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 115-8557    | 1    | Flywheel ASM     |
| 20   | 115-8558    | 1    | Gear-Ring        |
| 30   | 112-8408    | 6    | Bolt-Flywheel    |
| 40   | 115-8559    | 1    | Housing-Flywheel |
| 50   | 98-7885     | 11   | Bolt             |



## Fuel Camshaft and Governor Shaft Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 115-8560    | 1    | Fuel Camshaft ASM        |
| 20   | 115-8561    | 1    | Bearing-Ball             |
| 30   | 98-7574     | 1    | Gear-Pump, Injection     |
| 40   | 98-7575     | 1    | Key-Feather              |
| 60   | 98-7577     | 1    | Sleeve-Governor          |
| 70   | 98-7578     | 1    | Circlip-Sleeve, Governor |
| 80   | 98-7579     | 1    | Case-Ball, Governor      |
| 90   | 98-7580     | 39   | Ball                     |
| 100  | 98-7581     | 1    | Circlip                  |

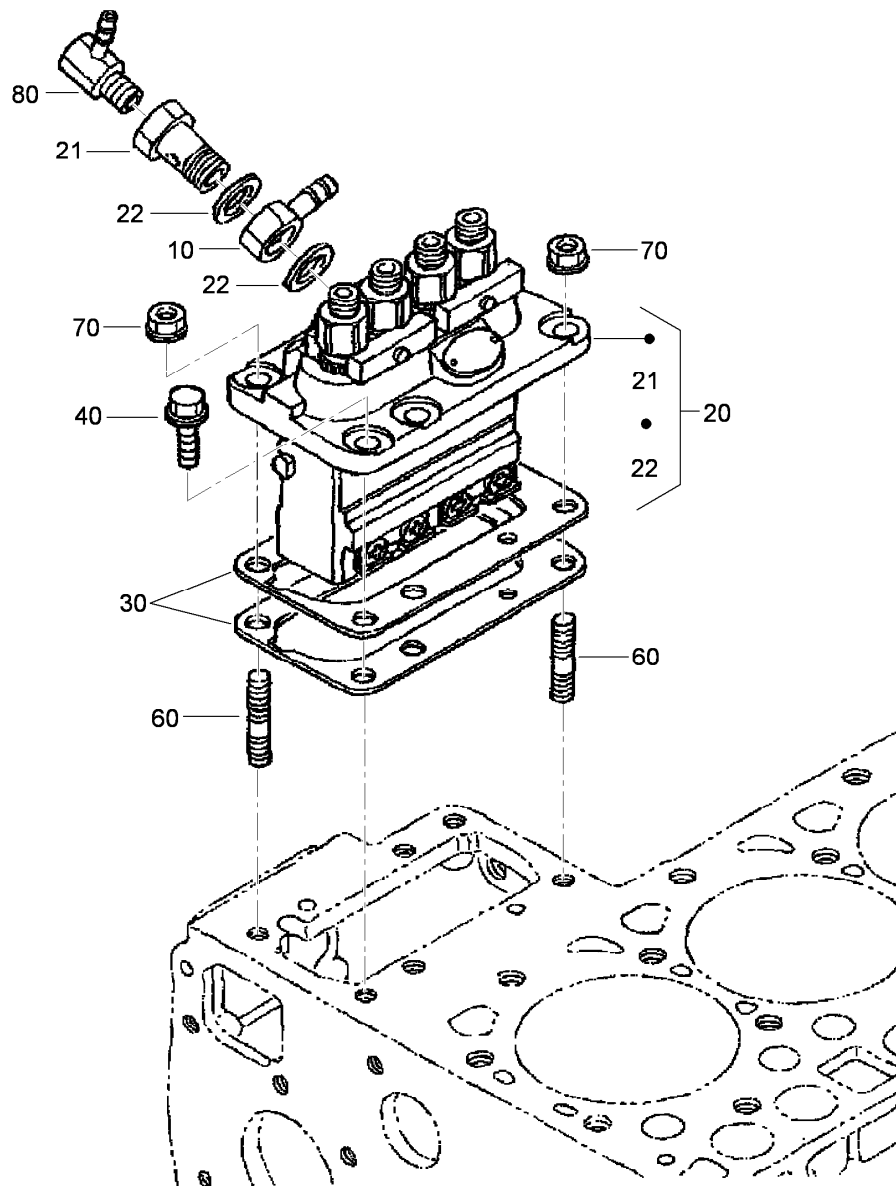
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 110  | 98-7582     | 7    | Ball                  |
| 120  | 115-8562    | 1    | Bearing-Ball          |
| 130  | 115-8563    | 1    | Stopper-Fuel Camshaft |
| 140  | 100-9195    | 2    | Bolt                  |
| 150  | 115-8564    | 1    | Cover-Camshaft, Fuel  |
| 160  | 115-8565    | 1    | Collar                |
| 170  | 115-8566    | 1    | Gasket                |
| 180  | 98-7589     | 1    | Circlip-External      |
| 190  | 98-7590     | 4    | Bolt                  |



## Idle Apparatus and Stop Solenoid Assembly

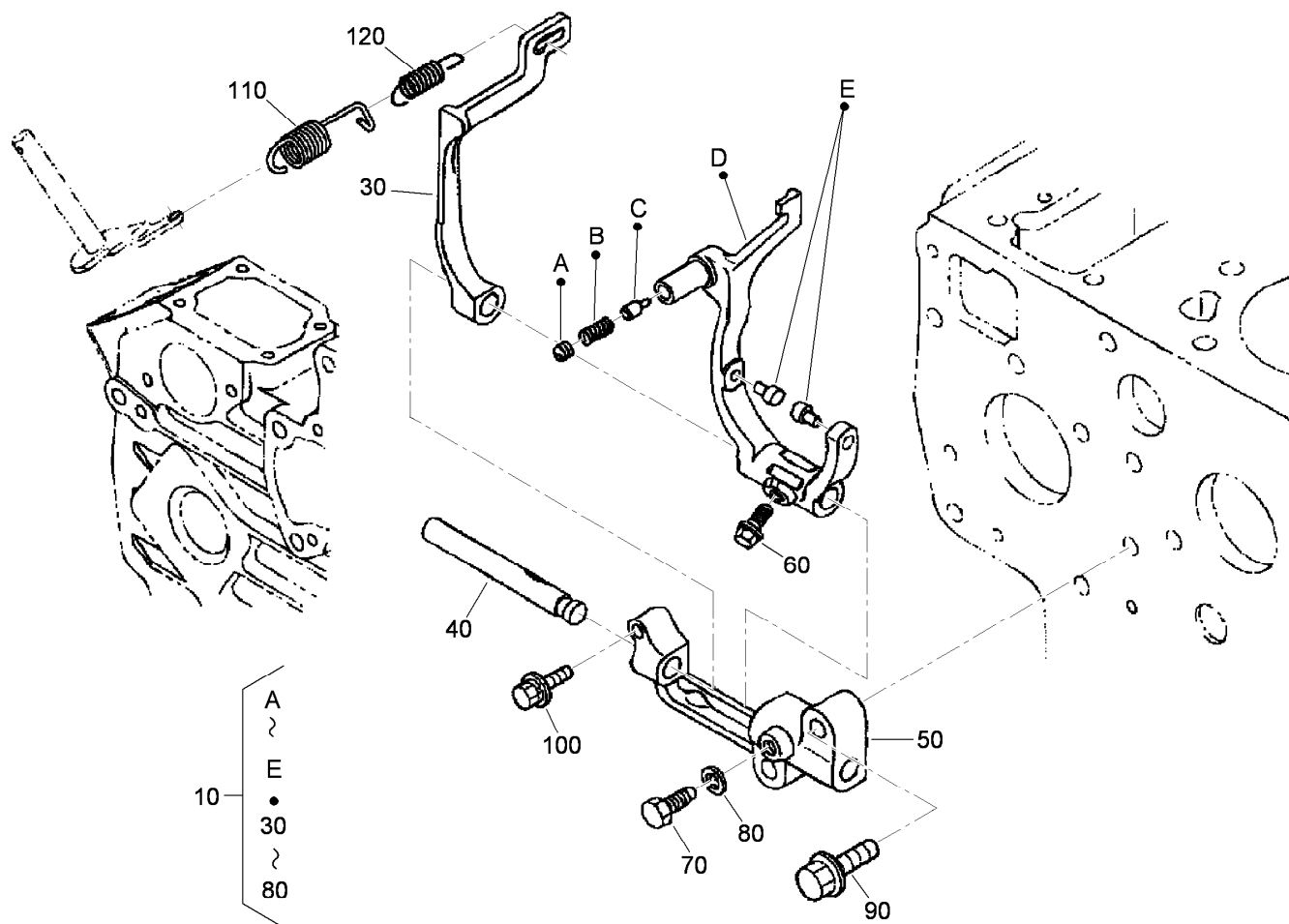
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 115-8567    | 1    | Apparatus-Idling      |
| 20   | 115-8568    | 1    | Adjustment Bolt ASM   |
| 40   | 115-8569    | 1    | Nut-Spring            |
| 50   | 115-8570    | 1    | O-Ring                |
| 60   | 115-8571    | 1    | Gasket                |
| 70   | 115-8572    | 1    | Cap                   |
| 80   | 115-8573    | 1    | Engine Stop Lever ASM |
| 90   | 115-8574    | 1    | Lever-Stop            |
| 100  | 115-8575    | 1    | Lever-Stop, Engine    |
| 110  | 115-8576    | 1    | Seal-Oil              |
| 120  | 98-7602     | 1    | Pin-Spring            |

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 130  | 115-8593    | 1    | Spring-Return  |
| 140  | 115-8578    | 1    | Gasket-Plate   |
| 150  | 98-7568     | 2    | Bolt           |
| 160  | 98-7571     | 2    | Stud           |
| 170  | 100-2203    | 2    | Nut-Flange     |
| 180  | 115-8579    | 1    | Guide-Solenoid |
| 190  | 115-8580    | 1    | Solenoid ASM   |
| 200  | 110-3762    | 1    | O-Ring         |
| 210  | 98-7571     | 2    | Stud           |
| 220  | 100-2203    | 2    | Nut-Flange     |



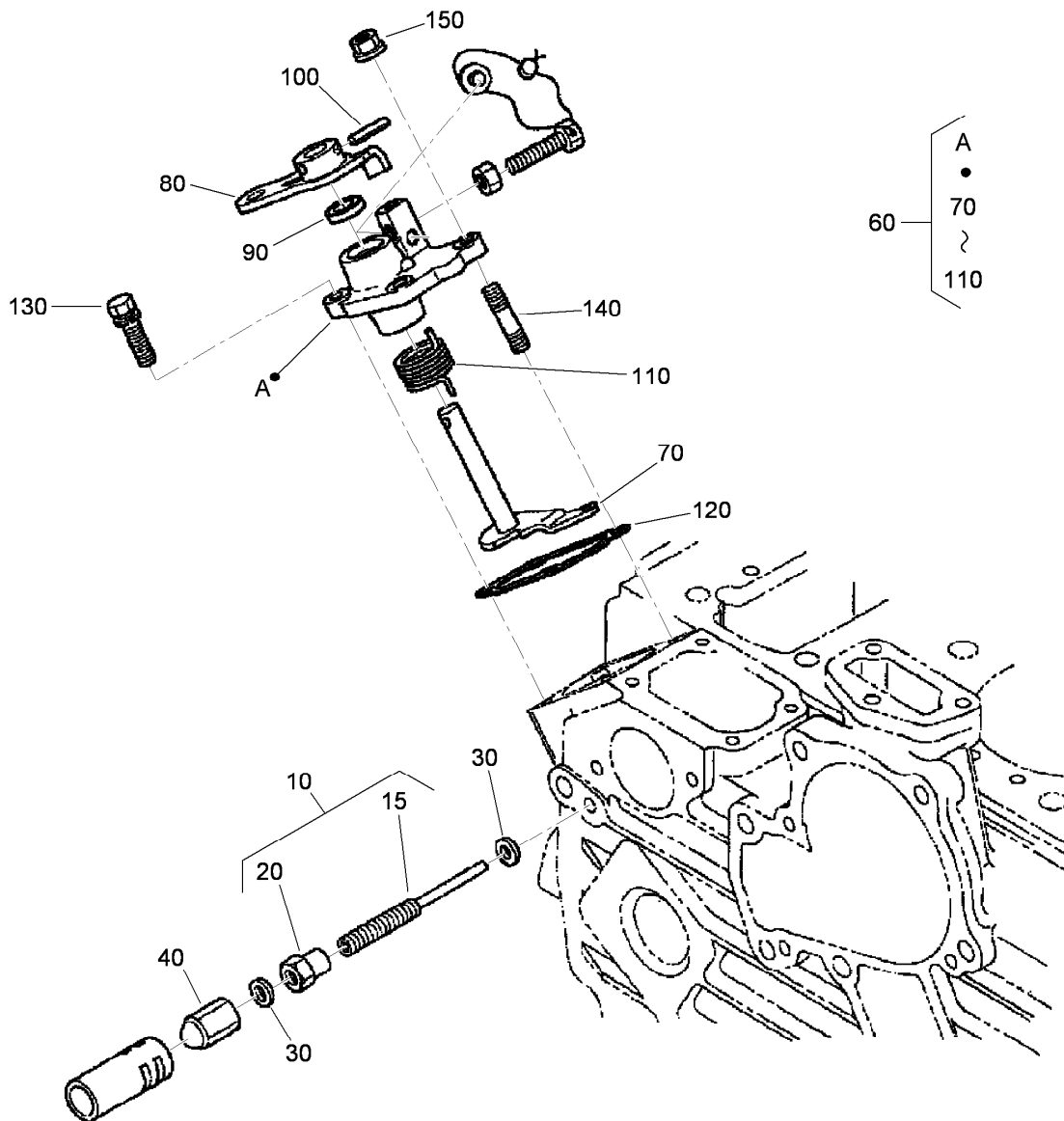
## Injection Pump Assembly

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 10   | 98-7617     | 1    | Joint                          |
| 20   | 115-8581    | 1    | Injection Pump ASM             |
| 21   | 98-7635     | 1    | Screw                          |
| 22   | 98-7636     | 2    | Gasket                         |
| 30   | 115-8582    | 1    | Shim-Pump, Injection (0.175Mm) |
| 30   | 98-7607     | 1    | Shim-Pump, Injection (0.200Mm) |
| 30   | 107-0147    | 1    | Shim-Pump, Injection (0.250Mm) |
| 30   | 107-0148    | 1    | Shim-Pump, Injection (0.300Mm) |
| 40   | 115-8583    | 4    | Bolt-Flange                    |
| 60   | 100-1558    | 2    | Stud-Manifold, Exhaust         |
| 70   | 112-2492    | 2    | Nut-Flange                     |
| 80   | 107-4300    | 1    | Orifice ASM                    |



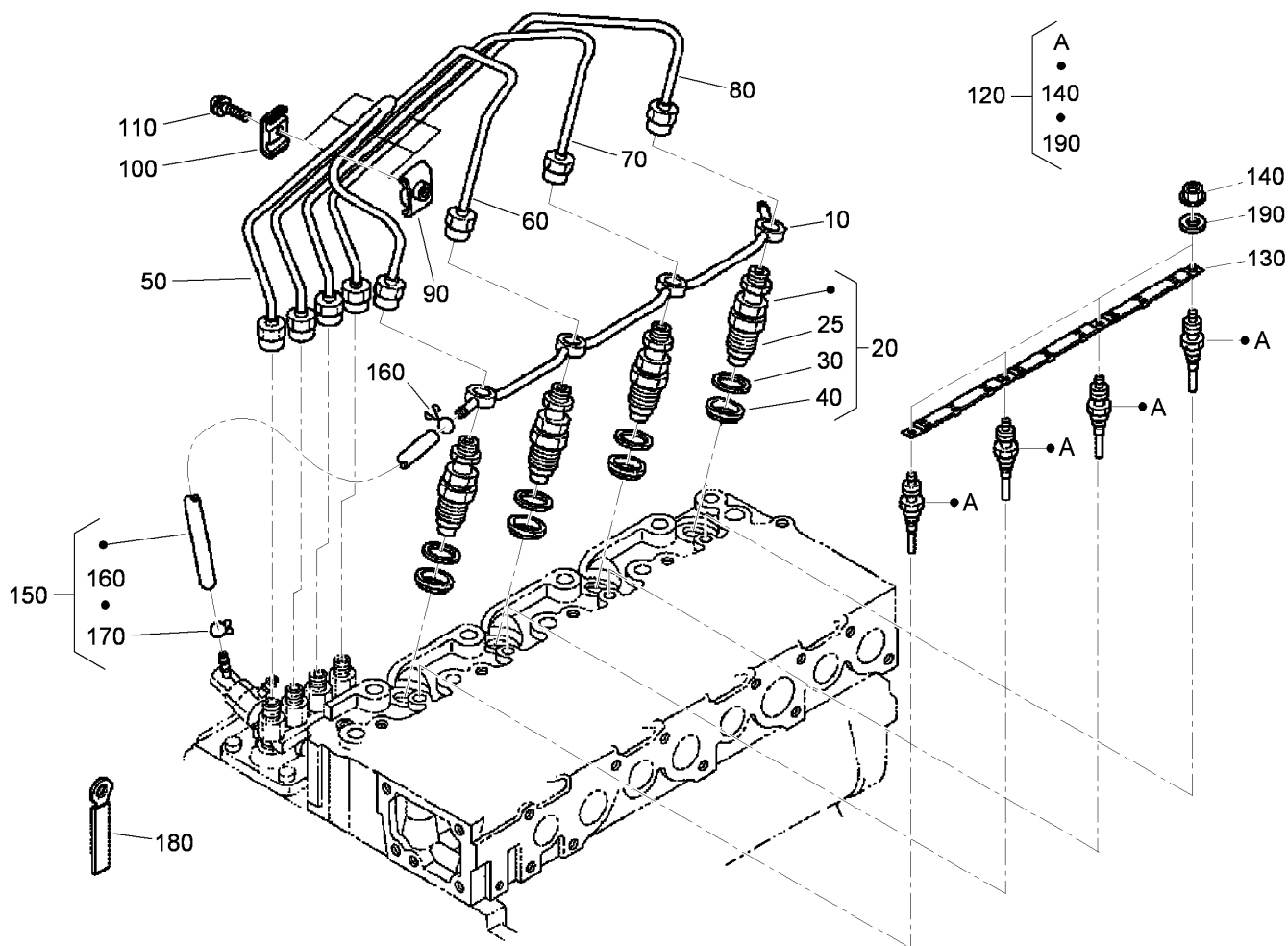
## Governor Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-8584    | 1    | Fork Lever ASM     |
| 30   | 115-8585    | 1    | Lever-Fork         |
| 40   | 107-0120    | 1    | Shaft-Lever, Fork  |
| 50   | 98-7643     | 1    | Holder-Lever, Fork |
| 60   | 107-0116    | 1    | Bolt-Flange        |
| 70   | 98-7644     | 1    | Bolt               |
| 80   | 98-9367     | 1    | Washer-Spring      |
| 90   | 108-7085    | 2    | Bolt-Flange        |
| 100  | 108-7086    | 1    | Bolt               |
| 110  | 115-8586    | 1    | Spring-Governor    |
| 120  | 115-8587    | 1    | Spring-Governor    |



## Speed Control Plate Assembly

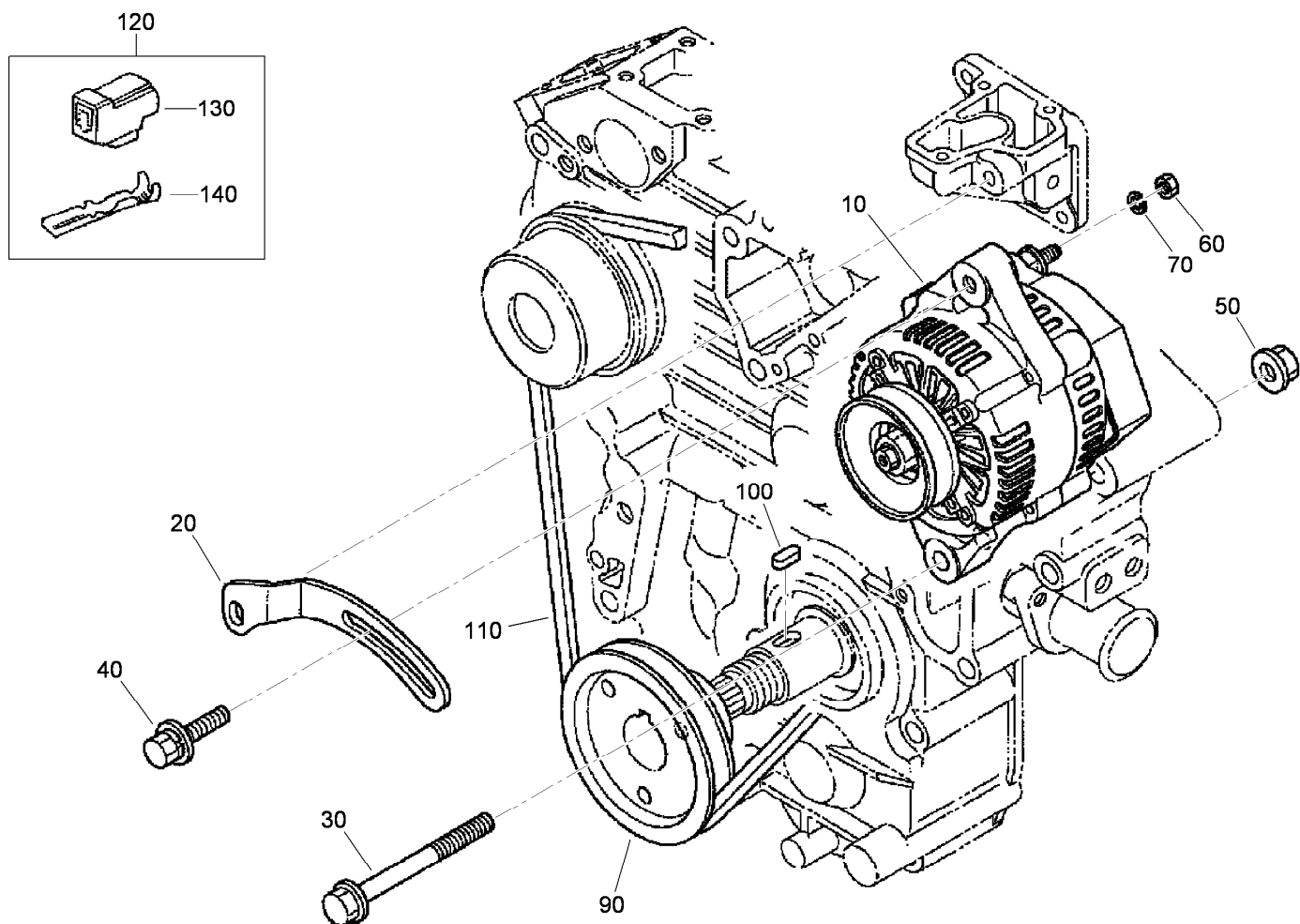
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 107-0132    | 1    | Adjustable Bolt ASM  |
| 15   | 115-8588    | 1    | Bolt-Adjusting       |
| 20   | 98-7653     | 1    | Nut                  |
| 30   | 98-7654     | 2    | Gasket               |
| 40   | 98-7655     | 1    | Nut-Cap              |
| 60   | 115-8589    | 1    | Control Plate ASM    |
| 70   | 115-8590    | 1    | Lever-Governor       |
| 80   | 115-8591    | 1    | Lever-Control, Speed |
| 90   | 115-8576    | 1    | Seal-Oil             |
| 100  | 98-7602     | 1    | Pin-Spring           |
| 110  | 115-8593    | 1    | Spring-Return        |
| 120  | 115-8578    | 1    | Gasket-Plate         |
| 130  | 98-7568     | 2    | Bolt                 |
| 140  | 98-7571     | 2    | Stud                 |
| 150  | 100-2203    | 2    | Nut-Flange           |



## Nozzle Holder and Glow Plug Assembly

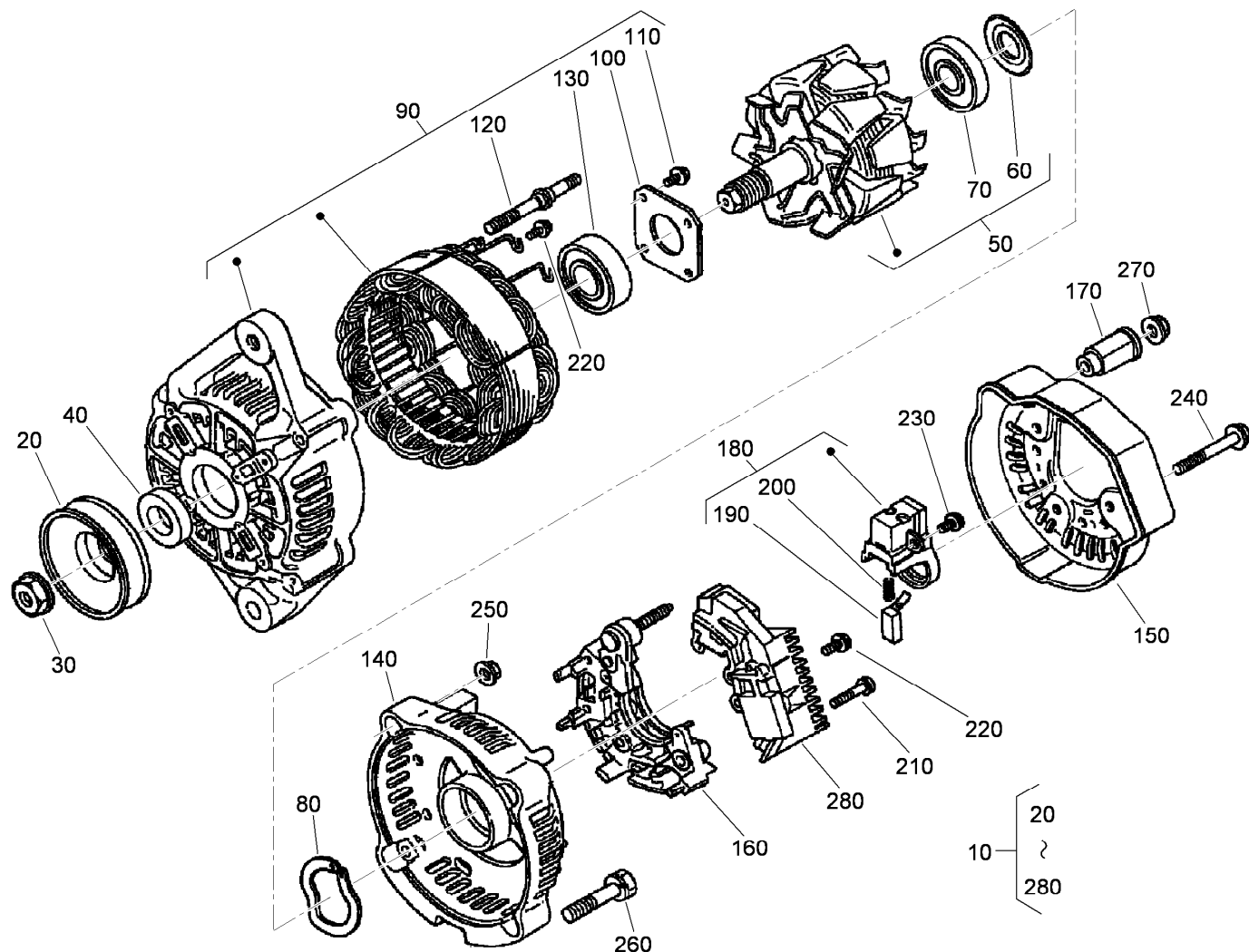
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 100-9213    | 1    | Overflow Pipe ASM |
| 20   | 100-9214    | 4    | Nozzle Holder Kit |
| 25   | 100-9215    | 4    | Piece-Nozzle      |
| 30   | 98-7676     | 4    | Gasket            |
| 40   | 98-7677     | 4    | Seal-Heat         |
| 50   | 100-9216    | 1    | Pipe-Injection    |
| 60   | 100-9217    | 1    | Pipe-Injection    |
| 70   | 100-9218    | 1    | Pipe-Injection    |
| 80   | 100-9219    | 1    | Pipe-Injection    |
| 90   | 98-7682     | 3    | Clamp-Pipe        |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 100  | 98-7683     | 3    | Clamp-Pipe          |
| 110  | 98-9364     | 3    | Screw (With Washer) |
| 120  | 98-7685     | 4    | Plug-Glow           |
| 130  | 98-7686     | 1    | Cord-Plug, Glow     |
| 140  | 99-8377     | 4    | Nut-Flange          |
| 150  | 98-7670     | 1    | Overflow Pipe ASM   |
| 160  | 98-7671     | 1    | Clip-Pipe           |
| 170  | 115-8595    | 1    | Clip-Pipe           |
| 180  | 98-7673     | 1    | Clamp-Cord          |
| 190  | 99-8378     | 4    | Washer-Plain        |



## Alternator and Pulley Assembly

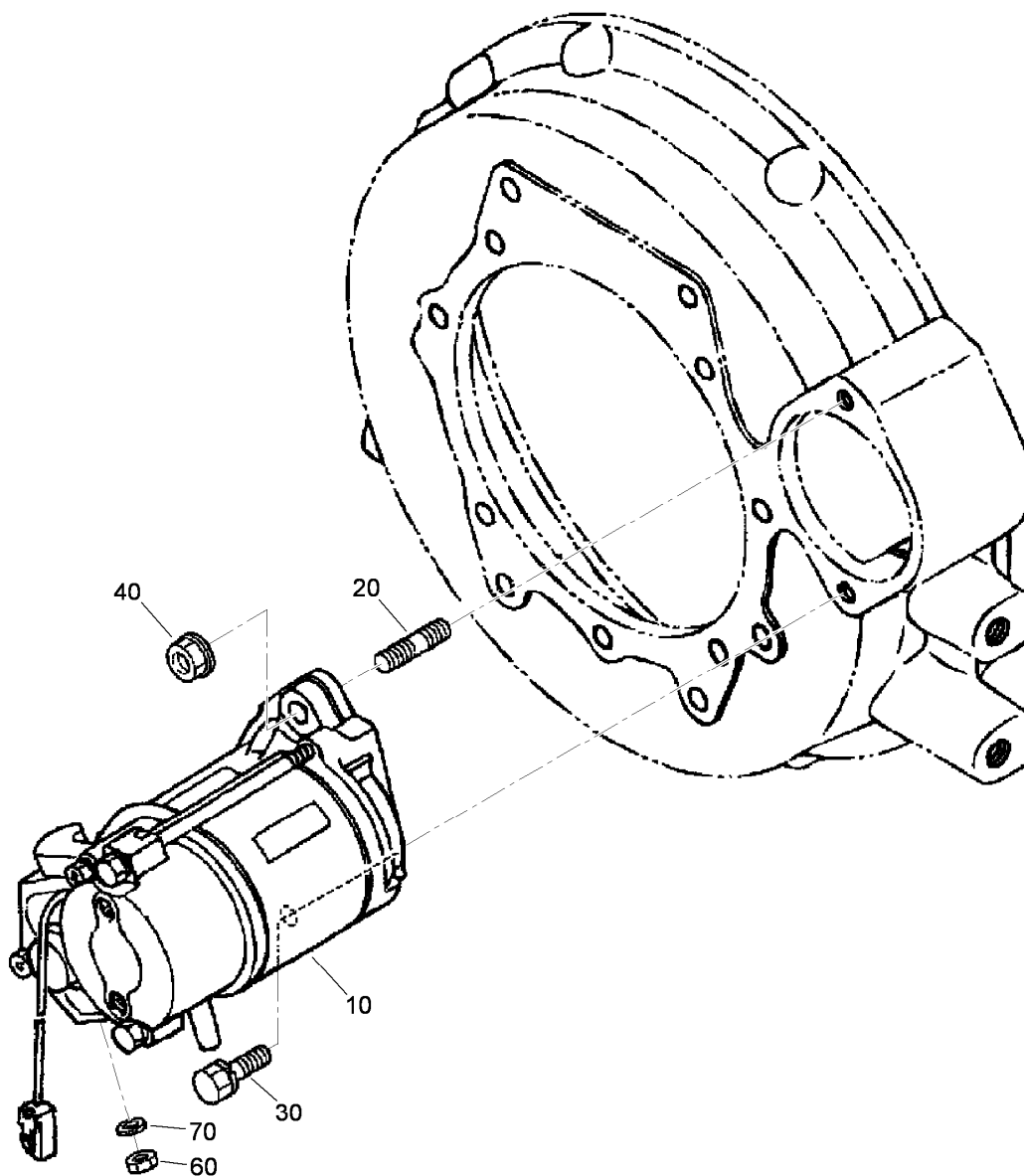
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-7693     | 1    | Alternator ASM     |
| 20   | 105-2872    | 1    | Bracket-Alternator |
| 30   | 115-8596    | 1    | Bolt-Flange        |
| 40   | 108-7088    | 1    | Bolt               |
| 50   | 115-8597    | 1    | Nut-Flange         |
| 60   | 98-7572     | 1    | Nut                |
| 70   | 98-7699     | 1    | Washer-Spring      |
| 90   | 115-8598    | 1    | Pulley-Drive, Fan  |
| 100  | 98-7451     | 1    | Key-Feather        |
| 110  | 115-8599    | 1    | Belt-V             |
| 120  | 115-8600    | 1    | Coupler ASM        |
| 130  | 115-8601    | 1    | Connector          |
| 140  | 115-8602    | 2    | Terminal           |



## Alternator Component Part Assembly

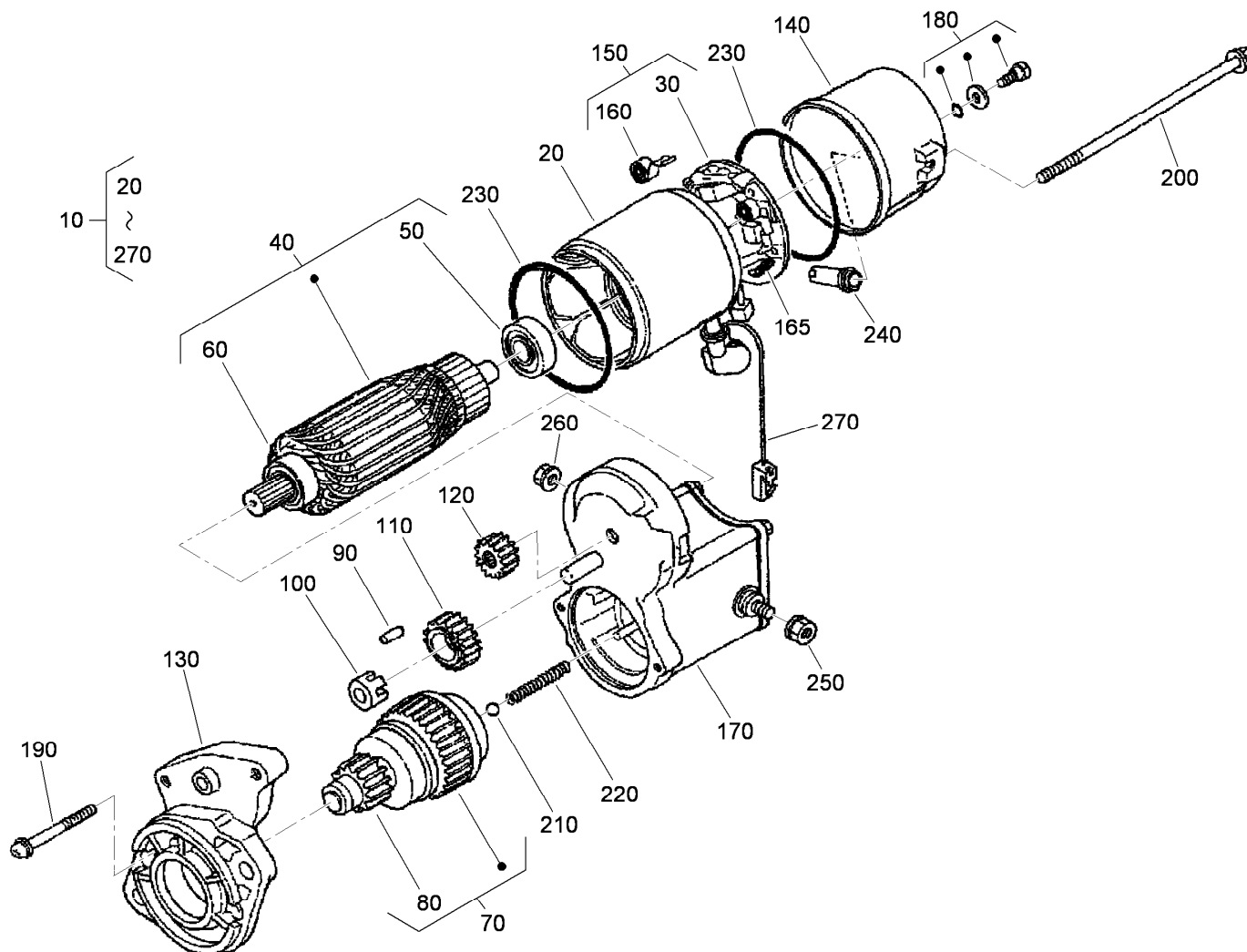
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-7693     | 1    | Alternator ASM      |
| 20   | 98-7707     | 1    | Pulley-Alternator   |
| 30   | 98-7708     | 1    | Nut                 |
| 40   | 98-7709     | 1    | Collar              |
| 50   | 107-0136    | 1    | Rotor ASM           |
| 60   | 98-7711     | 1    | Cover-Bearing       |
| 70   | 107-0138    | 1    | Bearing-Ball        |
| 80   | 98-7713     | 1    | Washer-Thrust       |
| 90   | 107-0139    | 1    | Drive End Frame ASM |
| 100  | 98-7715     | 1    | Plate-Retainer      |
| 110  | 98-7716     | 4    | Screw-Head, Round   |
| 120  | 98-7717     | 2    | Bolt-Through        |
| 130  | 107-0137    | 1    | Bearing-Ball        |
| 140  | 98-7719     | 1    | Frame-End           |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 150  | 107-0140    | 1    | Cover-End          |
| 160  | 98-7721     | 1    | Rectifier ASM      |
| 170  | 98-7722     | 1    | Bushing-Insulation |
| 180  | 107-0141    | 1    | Brush Holder ASM   |
| 190  | 98-7724     | 2    | Brush              |
| 200  | 98-7725     | 2    | Spring-Brush       |
| 210  | 98-7726     | 2    | Screw-Head, Round  |
| 220  | 98-7727     | 6    | Screw-Head, Round  |
| 230  | 98-7728     | 1    | Screw-Head, Round  |
| 240  | 98-7729     | 3    | Bolt               |
| 250  | 98-7730     | 2    | Nut                |
| 260  | 98-7731     | 2    | Bolt               |
| 270  | 98-7732     | 1    | Nut                |
| 280  | 110-3799    | 1    | Regulator ASM      |



## Starter Assembly

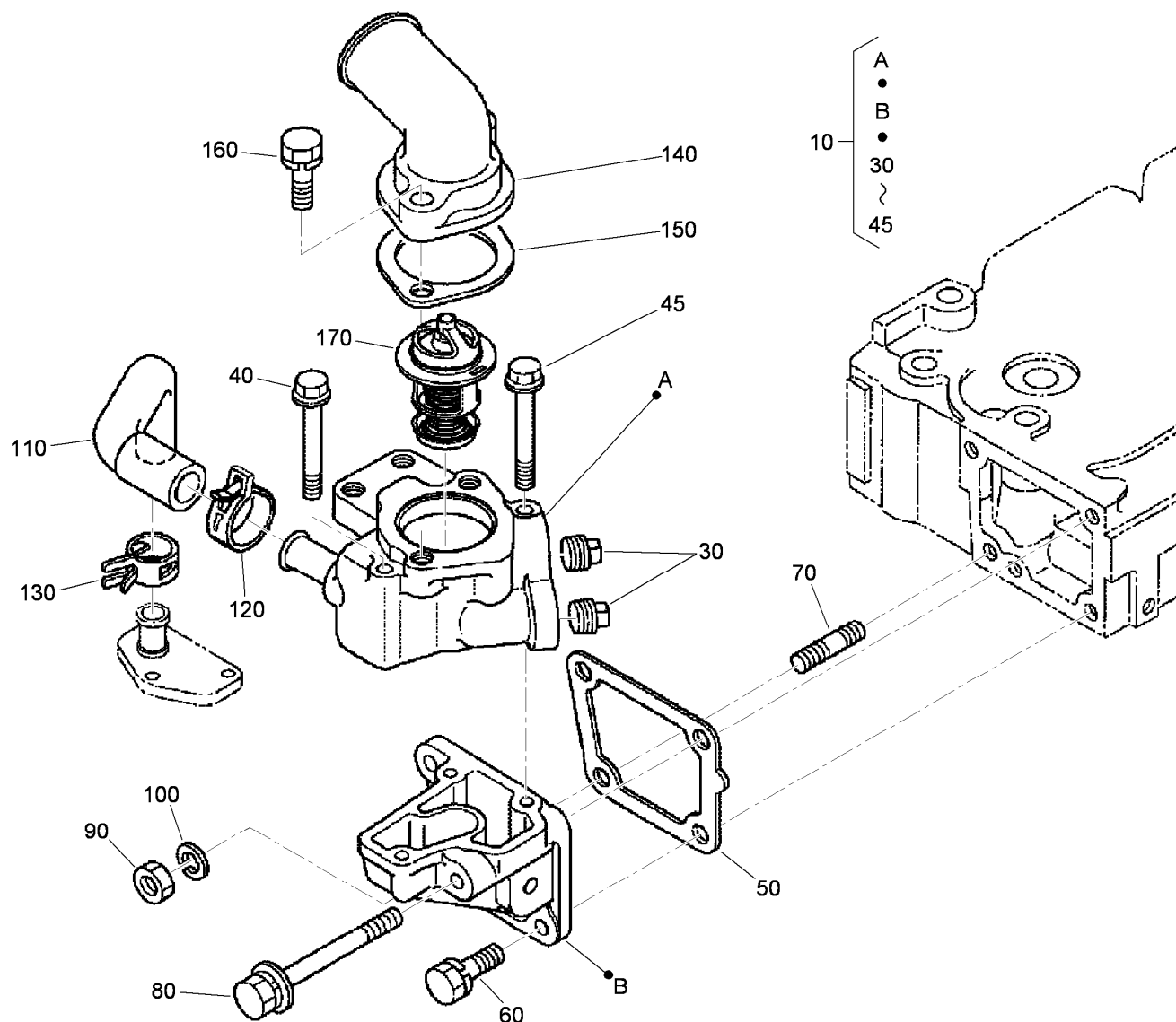
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10   | 115-8603    | 1    | Starter ASM   |
| 20   | 98-7735     | 1    | Stud          |
| 30   | 98-7736     | 1    | Bolt          |
| 40   | 115-8597    | 1    | Nut-Flange    |
| 60   | 98-7739     | 1    | Nut           |
| 70   | 105-2893    | 1    | Washer-Spring |



## Starter Components Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 115-8603    | 1    | Starter ASM          |
| 20   | 115-8604    | 1    | Yoke                 |
| 30   | 115-8605    | 1    | Brush Kit            |
| 40   | 115-8606    | 1    | Armature             |
| 50   | 115-8607    | 1    | Bearing              |
| 60   | 98-7744     | 1    | Bearing              |
| 70   | 115-8608    | 1    | Clutch-Running, Over |
| 80   | 112-2833    | 1    | Gear-Pinion          |
| 90   | 98-9707     | 5    | Roller               |
| 100  | 98-7752     | 1    | Retainer             |
| 110  | 98-7751     | 1    | Gear                 |
| 120  | 115-8609    | 1    | Gear                 |
| 130  | 115-8610    | 1    | Frame-End, Drive     |
| 140  | 115-8611    | 1    | Frame-End            |

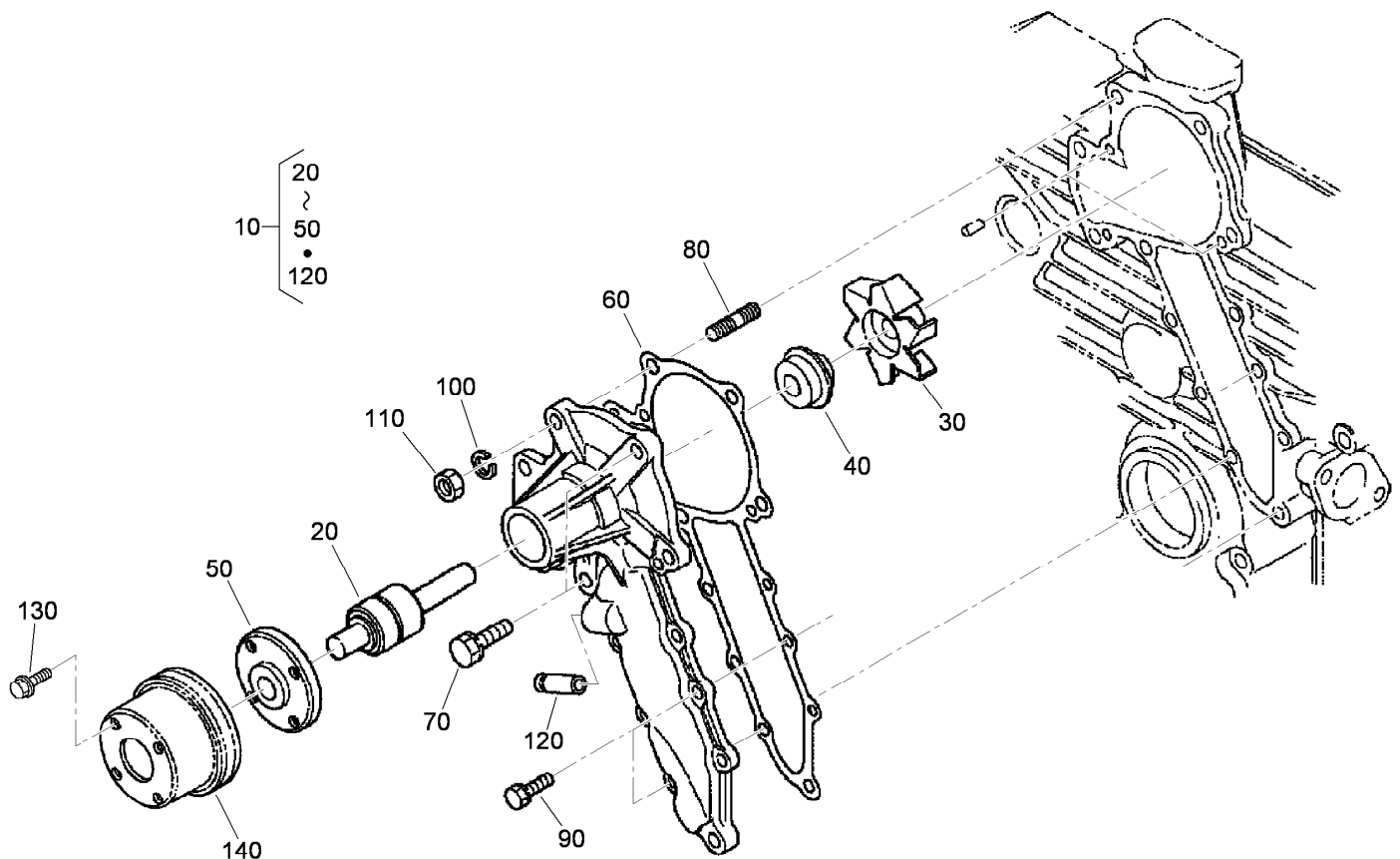
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 150  | 115-8612    | 1    | Holder-Brush        |
| 160  | 115-8613    | 4    | Spring              |
| 165  | 115-8614    | 4    | Spring-Brush        |
| 170  | 115-8615    | 1    | Magnetic Switch ASM |
| 180  | 115-8616    | 2    | Screw               |
| 190  | 115-8617    | 2    | Screw               |
| 200  | 115-8618    | 2    | Bolt-Thru           |
| 210  | 98-7755     | 1    | Ball                |
| 220  | 98-7754     | 1    | Spring              |
| 230  | 98-7757     | 2    | O-Ring              |
| 240  | 115-8619    | 1    | Pipe-Drain          |
| 250  | 98-7760     | 1    | Nut-Hex             |
| 260  | 99-8376     | 1    | Nut-Hex             |
| 270  | 98-9711     | 1    | Cord-Solenoid, Stop |



## Water Flange and Thermostat Assembly

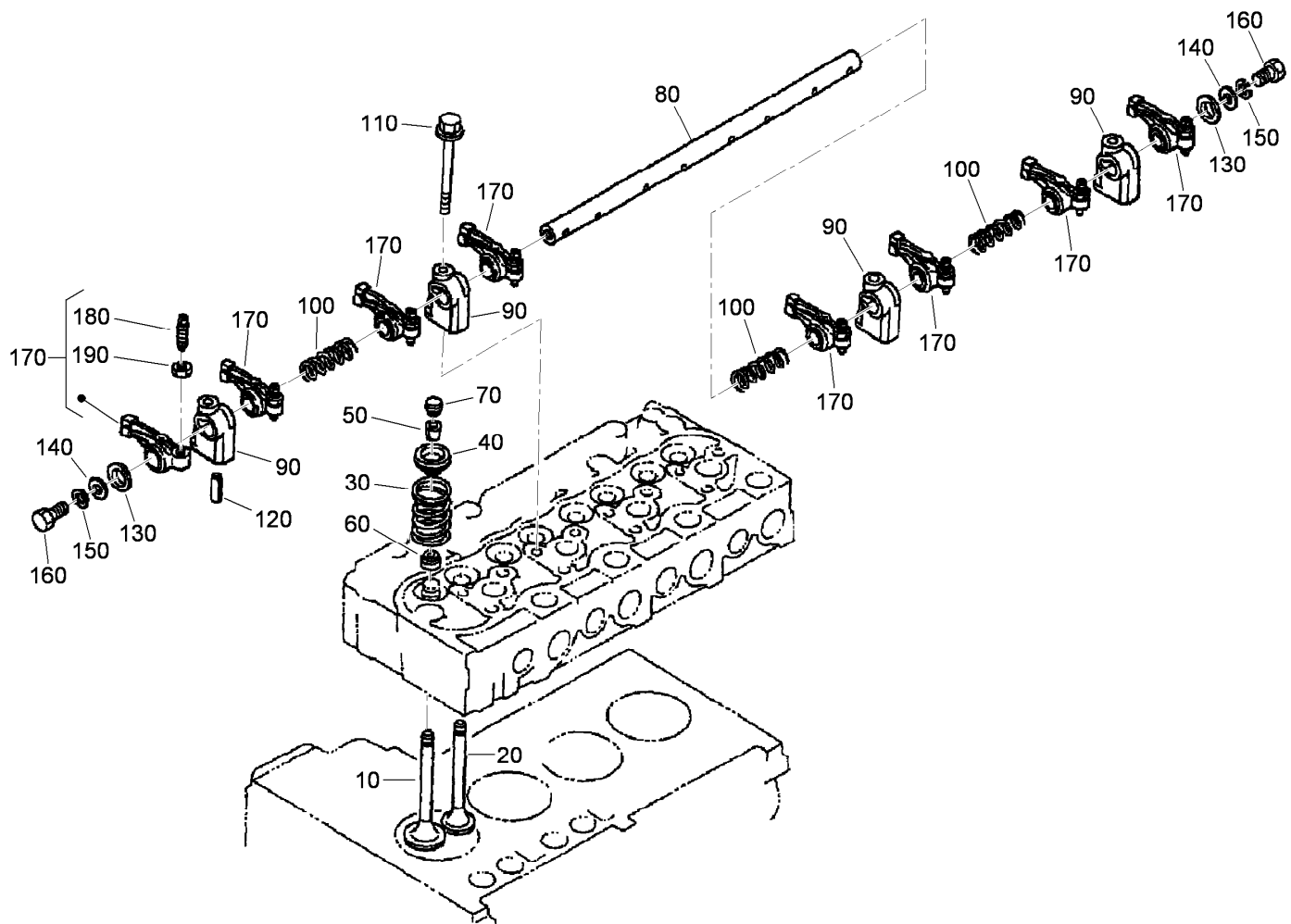
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 105-4578    | 1    | Water Flange ASM       |
| 30   | 105-2874    | 2    | Plug                   |
| 40   | 105-2875    | 2    | Bolt-Flange            |
| 45   | 107-0117    | 1    | Bolt-Flange            |
| 50   | 98-7767     | 1    | Gasket-Flange, Water   |
| 60   | 98-9359     | 2    | Bolt                   |
| 70   | 100-1558    | 1    | Stud-Manifold, Exhaust |
| 80   | 107-0115    | 1    | Bolt                   |
| 90   | 98-7534     | 1    | Nut                    |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 100  | 105-2893    | 1    | Washer-Spring      |
| 110  | 115-8620    | 1    | Pipe-Return, Water |
| 120  | 115-8621    | 1    | Clamp-Hose         |
| 130  | 105-2879    | 1    | Clamp-Hose         |
| 140  | 100-9244    | 1    | Cover-Thermostat   |
| 150  | 105-3748    | 1    | Gasket-Thermostat  |
| 160  | 98-7777     | 2    | Bolt               |
| 170  | 105-2881    | 1    | Thermostat ASM     |



## Water Pump Assembly

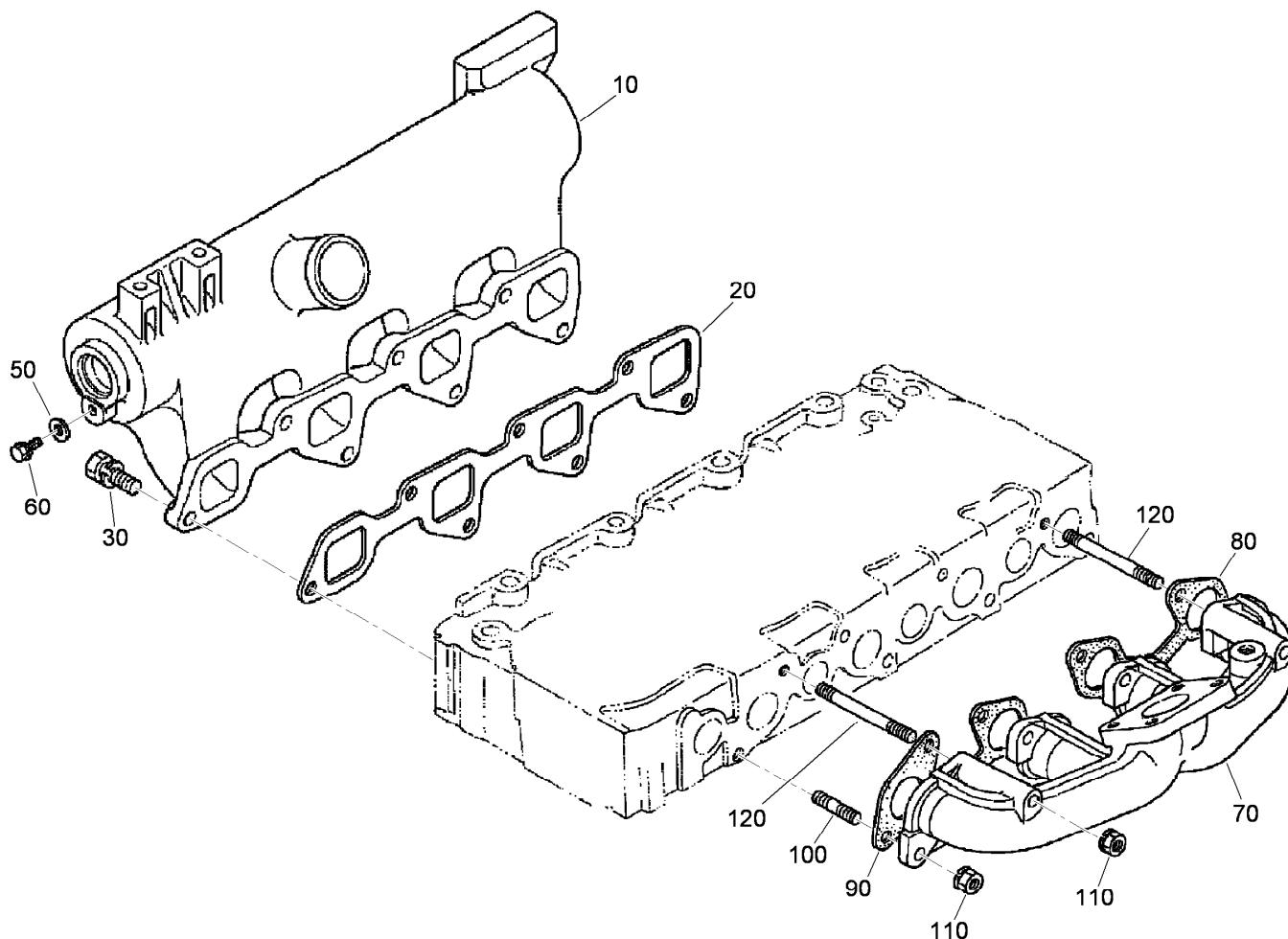
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 115-8622    | 1    | Water Pump ASM           |
| 20   | 98-7780     | 1    | Bearing-Ball             |
| 30   | 107-0130    | 1    | Impeller-Pump, Water     |
| 40   | 105-2882    | 1    | Mechanical Seal ASM      |
| 50   | 108-7089    | 1    | Flange-Shaft, Water Pump |
| 60   | 115-8624    | 1    | Gasket-Pump, Water       |
| 70   | 98-7439     | 2    | Bolt                     |
| 80   | 108-7090    | 1    | Stud                     |
| 90   | 98-7605     | 6    | Bolt                     |
| 100  | 105-2893    | 1    | Washer-Spring            |
| 110  | 98-7534     | 1    | Nut                      |
| 120  | 98-9580     | 1    | Pipe-Return, Water       |
| 130  | 107-4317    | 4    | Bolt-Flange              |
| 140  | 115-8625    | 1    | Pulley-Fan               |



## Valve and Rocker Arm Assembly

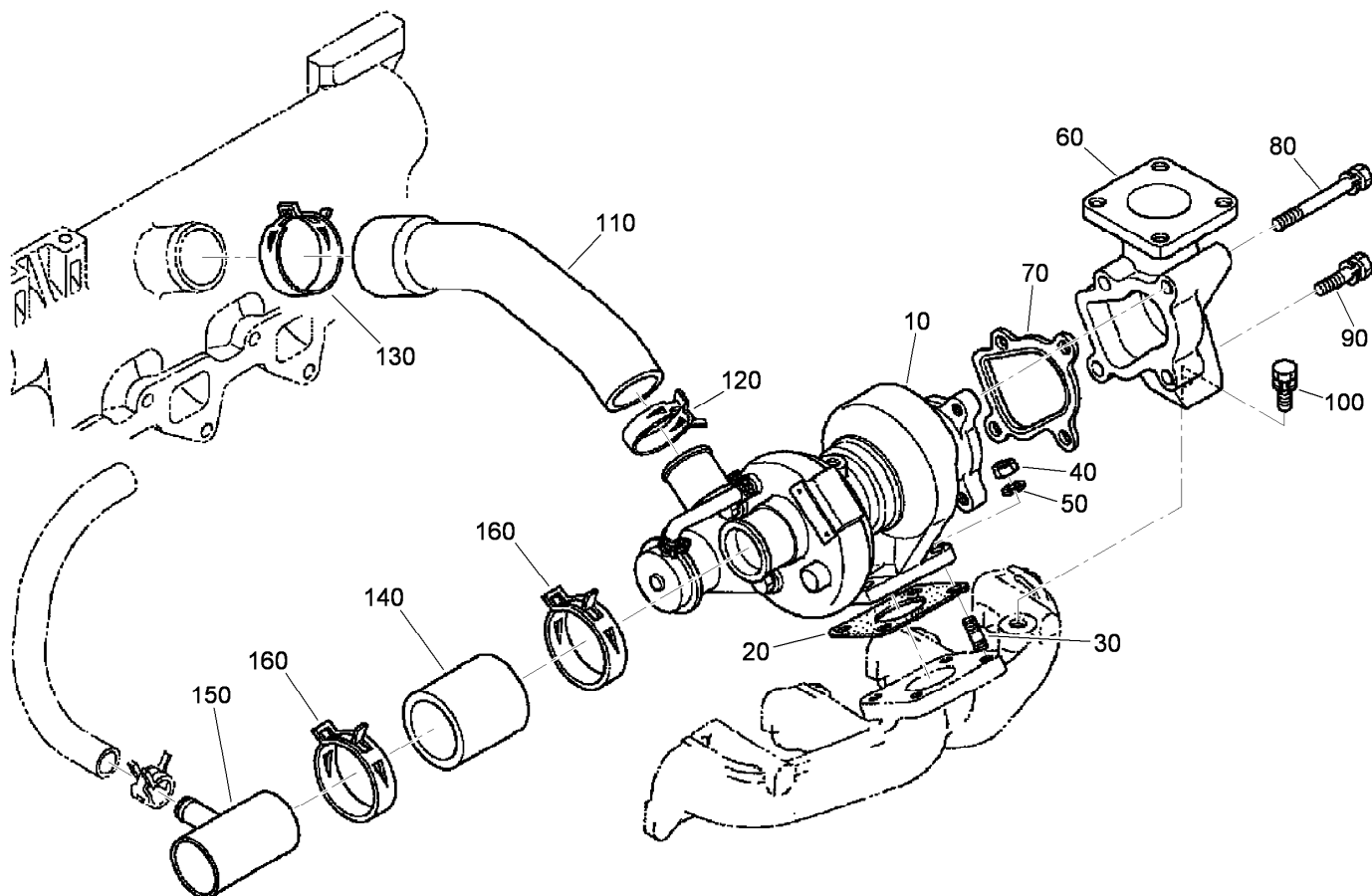
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 115-8626    | 4    | Valve-Inlet            |
| 20   | 114-5099    | 4    | Valve-Exhaust          |
| 30   | 98-7793     | 8    | Spring-Valve           |
| 40   | 98-7794     | 8    | Retainer-Spring, Valve |
| 50   | 98-7795     | 8    | Collet-Spring, Valve   |
| 60   | 98-7796     | 8    | Seal-Stem, Valve       |
| 70   | 98-7797     | 8    | Cap-Valve              |
| 80   | 107-0134    | 1    | Shaft-Arm, Rocker      |
| 90   | 98-7800     | 4    | Bracket-Arm, Rocker    |
| 100  | 98-7807     | 3    | Spring-Arm, Rocker     |

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 110  | 108-7091    | 4    | Bolt-Flange     |
| 120  | 98-7805     | 1    | Pin-Spring      |
| 130  | 98-7806     | 2    | Washer          |
| 140  | 98-7660     | 2    | Washer-Plain    |
| 150  | 105-2893    | 2    | Washer-Spring   |
| 160  | 98-7884     | 2    | Bolt            |
| 170  | 98-7809     | 8    | Rocker Arm ASM  |
| 180  | 98-7810     | 8    | Screw-Adjusting |
| 190  | 98-7811     | 8    | Nut             |



## Inlet and Exhaust Manifold Assembly

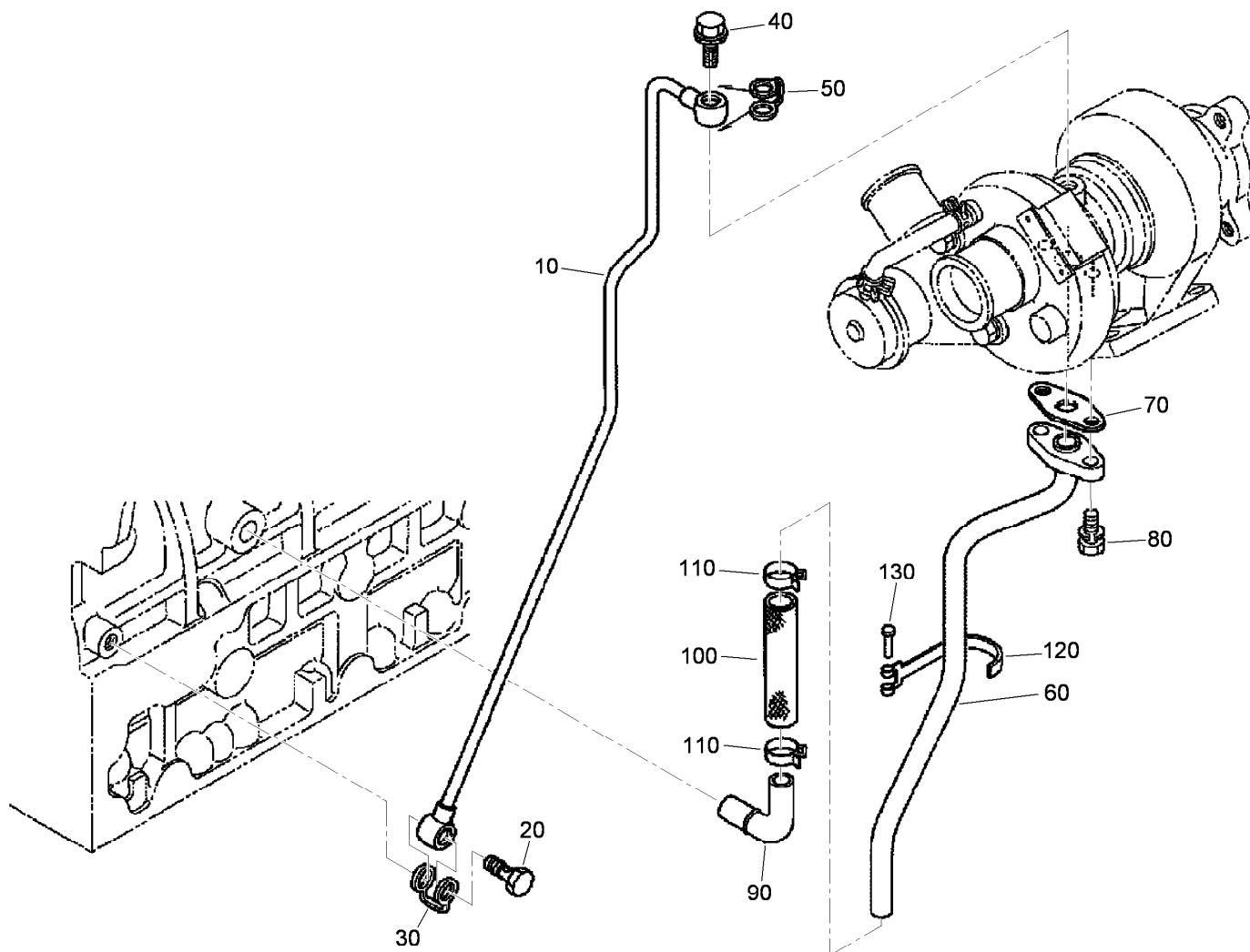
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 115-8627    | 1    | Manifold-Inlet          |
| 20   | 100-9284    | 1    | Gasket-Manifold, Intake |
| 30   | 98-7610     | 1    | Bolt                    |
| 50   | 98-7654     | 1    | Gasket                  |
| 60   | 107-4317    | 1    | Bolt-Flange             |
| 70   | 108-7092    | 1    | Manifold-Exhaust        |
| 80   | 98-7802     | 1    | Gasket                  |
| 90   | 98-7803     | 1    | Gasket                  |
| 100  | 100-1558    | 6    | Stud-Manifold, Exhaust  |
| 110  | 100-9288    | 8    | Nut                     |
| 120  | 100-9289    | 2    | Stud                    |



## Turbo Charger Assembly

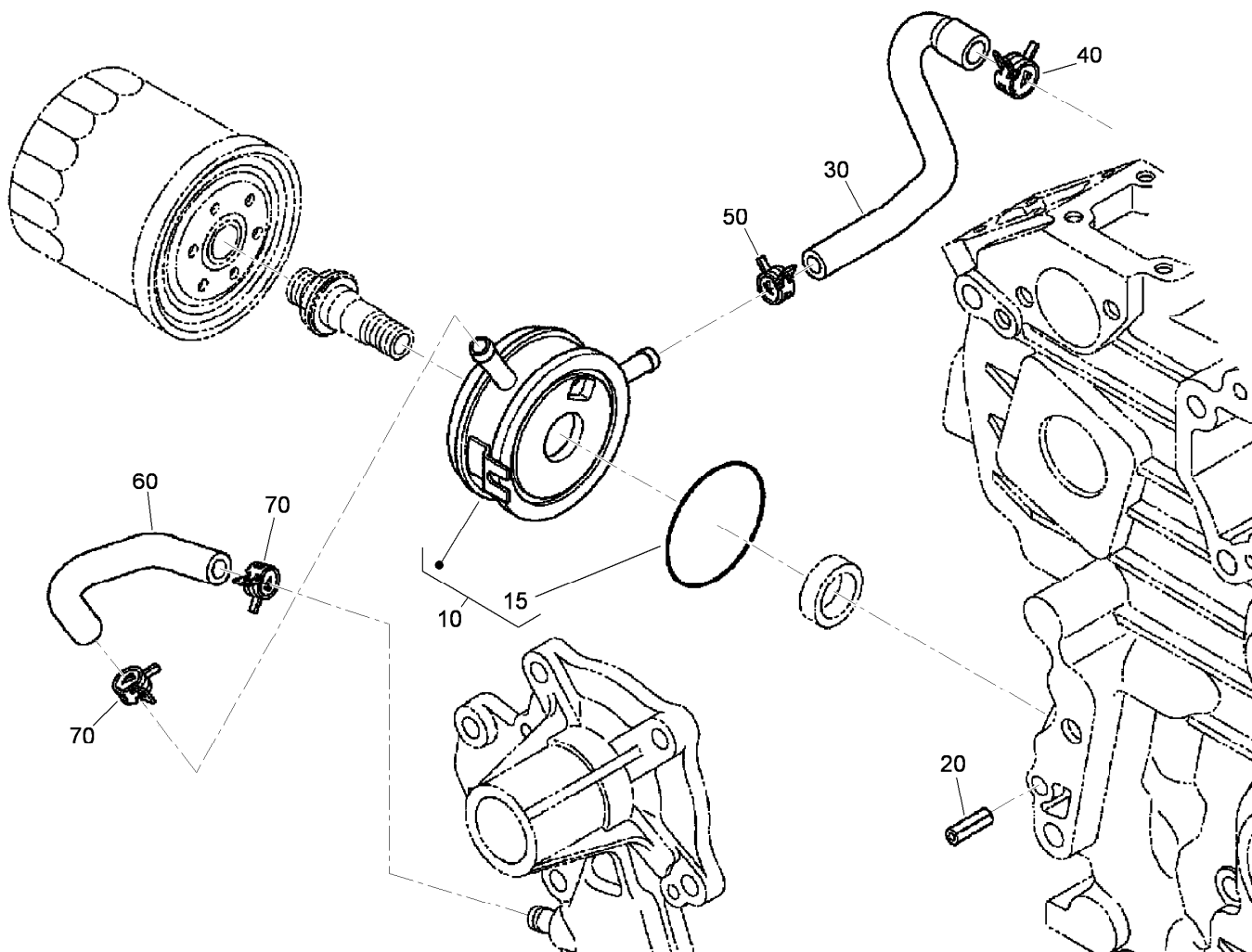
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 115-8628    | 1    | Turbo Charger ASM |
| 20   | 100-9314    | 1    | Gasket            |
| 30   | 99-8342     | 4    | Stud              |
| 40   | 98-7534     | 4    | Nut               |
| 50   | 105-2893    | 4    | Washer-Spring     |
| 60   | 108-7094    | 1    | Flange-Muffler    |
| 70   | 100-9316    | 1    | Gasket            |
| 80   | 98-7590     | 2    | Bolt              |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 90   | 98-7777     | 2    | Bolt                 |
| 100  | 115-8629    | 1    | Bolt                 |
| 110  | 115-8630    | 1    | Hose-Inlet           |
| 120  | 100-9319    | 1    | Band-Pipe            |
| 130  | 99-8322     | 1    | Band-Pipe            |
| 140  | 115-8631    | 1    | Tube-Inlet, Turbo    |
| 150  | 115-8632    | 1    | Pipe-Breather, Inlet |
| 160  | 99-8322     | 2    | Band-Pipe            |



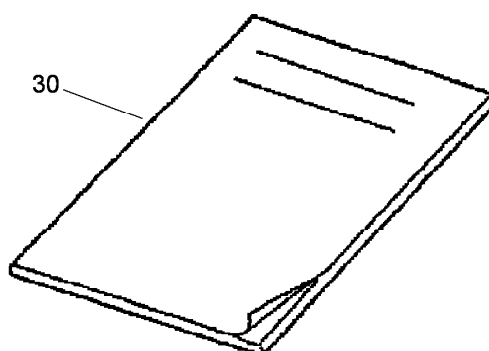
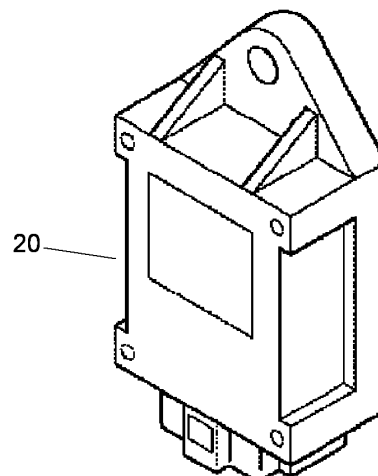
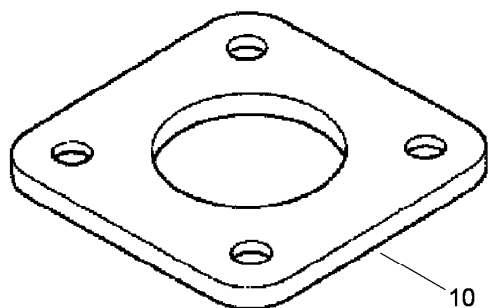
## Oil Pipe (Turbo Charger) Assembly

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 115-8633    | 1    | Pipe-Oil        |
| 20   | 100-9321    | 1    | Bolt-Joint, Eye |
| 30   | 115-8634    | 1    | Gasket          |
| 40   | 115-4126    | 1    | Bolt-Joint, Eye |
| 50   | 115-8635    | 1    | Gasket          |
| 60   | 115-8636    | 1    | Pipe-Oil        |
| 70   | 108-4422    | 1    | Gasket          |
| 80   | 98-7605     | 2    | Bolt            |
| 90   | 100-9323    | 1    | Pipe-Oil        |
| 100  | 108-7095    | 1    | Tube-Oil        |
| 110  | 98-9714     | 2    | Clamp-Hose      |
| 120  | 108-7096    | 1    | Clamp-Pipe      |
| 130  | 98-9591     | 1    | Pin-Band        |



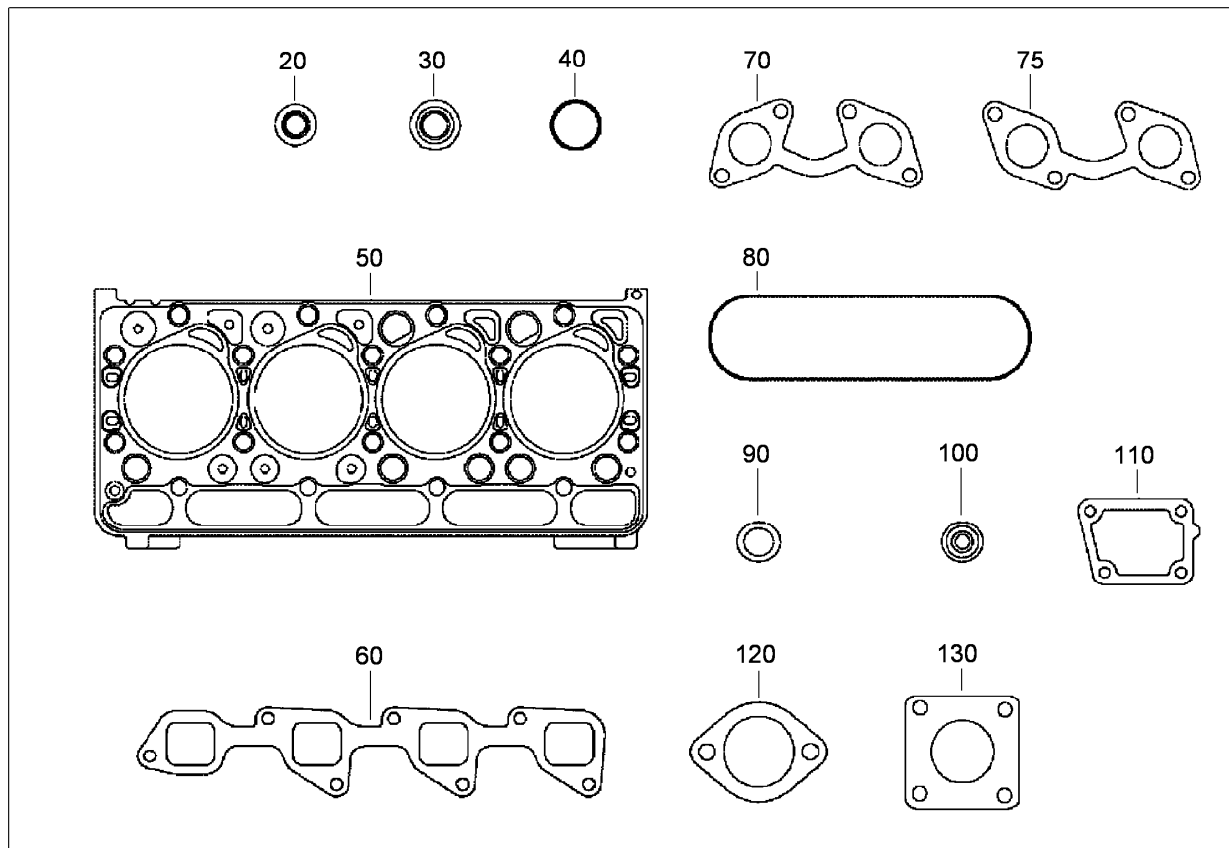
## Oil Cooler Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 115-8637    | 1    | Oil Cooler ASM   |
| 15   | 115-8638    | 1    | O-Ring           |
| 20   | 115-8639    | 1    | Pin-Spring       |
| 30   | 115-8640    | 1    | Hose-Cooler, Oil |
| 40   | 105-2879    | 1    | Clamp-Hose       |
| 50   | 98-9579     | 1    | Band-Pipe        |
| 60   | 115-8641    | 1    | Hose-Cooler, Oil |
| 70   | 98-9579     | 2    | Band-Pipe        |



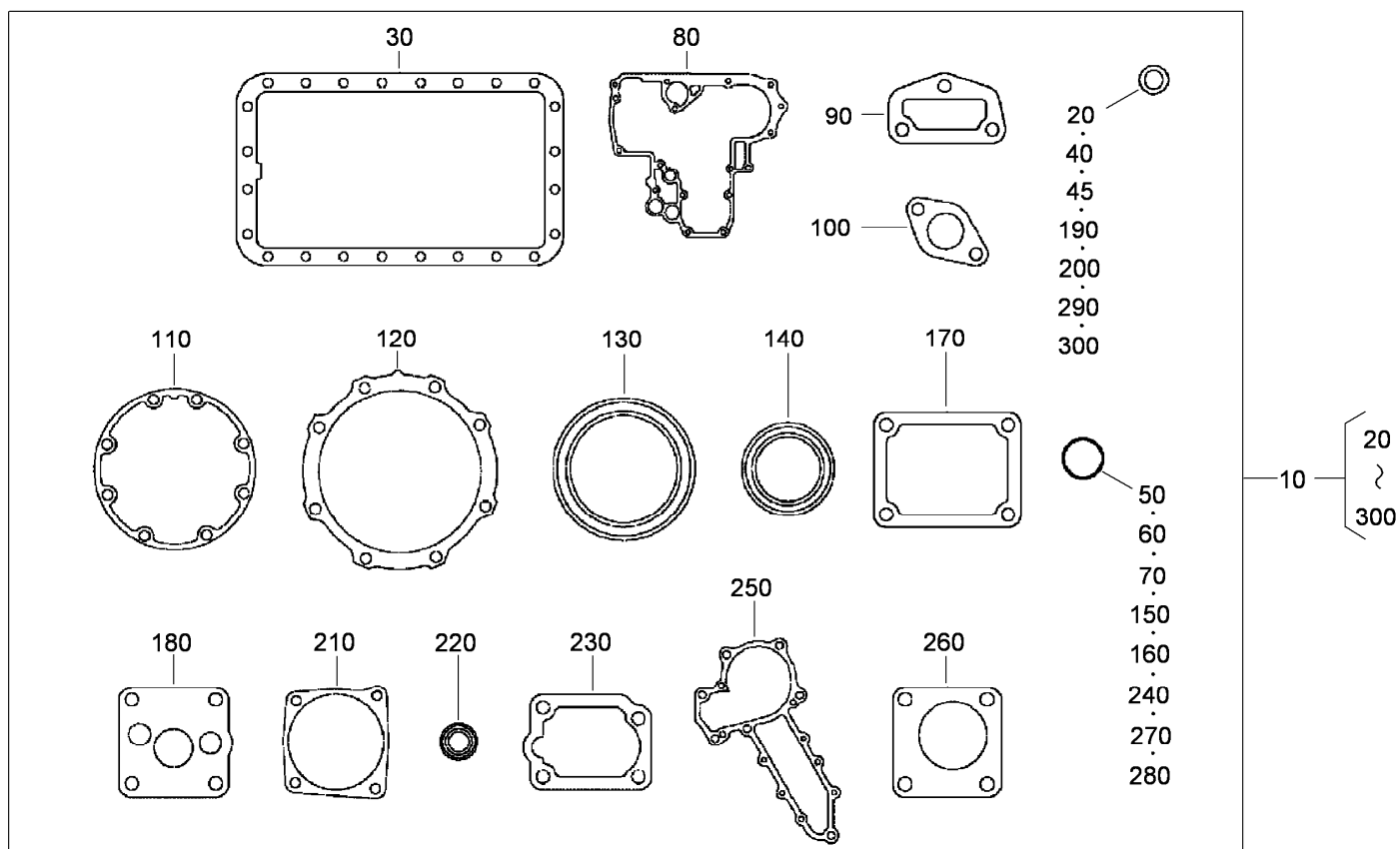
## Muffler Gasket, Glow Controller and Operator Manual

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 100-9333           | 1           | Gasket-Muffler     |
| 20          | 98-7611            | 1           | Controller-Glow    |
| 30          | 115-8642           | 1           | Manual-Operator    |



## Upper Gasket Kit

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 10   | 115-8643    | 1    | Upper Gasket Kit               |
| 20   | 98-7763     | 1    | Washer-W/Rubber                |
| 30   | 98-7796     | 8    | Seal-Stem, Valve               |
| 40   | 108-7064    | 1    | O-Ring                         |
| 50   | 115-8509    | 1    | Gasket-Head, Cylinder (1.20Mm) |
| 60   | 100-9284    | 1    | Gasket-Manifold, Intake        |
| 70   | 98-7803     | 1    | Gasket                         |
| 75   | 98-7802     | 1    | Gasket                         |
| 80   | 108-7062    | 1    | Gasket-Cover, Head             |
| 90   | 98-7676     | 4    | Gasket                         |
| 100  | 98-7677     | 4    | Seal-Heat                      |
| 110  | 98-7767     | 1    | Gasket-Flange, Water           |
| 120  | 105-3748    | 1    | Gasket-Thermostat              |
| 130  | 100-9333    | 1    | Gasket-Muffler                 |



## Lower Gasket Kit

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 10   | 115-8644    | 1    | Lower Gasket Kit           |
| 20   | 98-7524     | 1    | Gasket                     |
| 30   | 108-7053    | 1    | Gasket-Pan, Oil            |
| 40   | 98-7528     | 1    | O Ring-Copper              |
| 45   | 98-9399     | 2    | Gasket                     |
| 50   | 107-0104    | 1    | O-Ring                     |
| 60   | 115-8514    | 2    | O-Ring                     |
| 70   | 107-0106    | 1    | O-Ring                     |
| 80   | 115-8516    | 1    | Gasket-Case, Gear          |
| 90   | 115-8521    | 1    | Gasket-Flange, Return      |
| 100  | 115-8645    | 1    | Gasket-Pump, Fuel          |
| 110  | 98-7435     | 1    | Gasket-Case, Bearing       |
| 120  | 98-7437     | 1    | Gasket-Case Cover, Bearing |
| 130  | 108-7072    | 1    | Seal-Oil                   |
| 140  | 98-7480     | 1    | Seal-Oil                   |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 150  | 98-7478     | 1    | O-Ring             |
| 160  | 108-7054    | 1    | O-Ring             |
| 170  | 98-7604     | 1    | Gasket-Cover, Pump |
| 180  | 115-8648    | 1    | Gasket-Pump, Oil   |
| 190  | 98-7654     | 2    | Gasket             |
| 200  | 98-7636     | 2    | Gasket             |
| 210  | 115-8566    | 1    | Gasket             |
| 220  | 115-8576    | 2    | Seal-Oil           |
| 230  | 115-8578    | 2    | Gasket-Plate       |
| 240  | 110-3762    | 1    | O-Ring             |
| 250  | 115-8624    | 1    | Gasket-Pump, Water |
| 260  | 115-8522    | 1    | Gasket-Meter, Hour |
| 270  | 115-8649    | 1    | O-Ring             |
| 280  | 115-8570    | 1    | O-Ring             |
| 290  | 115-8571    | 1    | Gasket             |
| 300  | 98-7428     | 1    | Gasket             |

# Attachments and Accessories

## For 30858 Groundsmaster 4700-D Traction Unit

| Product Name                                          | Model/Part  |
|-------------------------------------------------------|-------------|
| Blade-High Lift .....                                 | 104-5183    |
| Blade-Angle Sail .....                                | 105-9810-03 |
| Blade-Atomic .....                                    | 107-0235-03 |
| 27in Blade Service Pack .....                         | 108-1464    |
| Blade-Combo.....                                      | 108-9026-03 |
| Operator Fan Kit - US Sales Only, 3in ROPS Post ..... | 110-8804    |
| MVP Filter Kit.....                                   | 30056       |
| Hardtop Sunshade.....                                 | 30359       |
| 27in Rotary Cutting Unit.....                         | 30834       |
| Leaf Mulching Kit .....                               | 30836       |
| Cab Kit.....                                          | 30860       |
| Air Conditioner Mounting Kit .....                    | 30862       |
| Flow Divider Kit.....                                 | 30871       |
| Diagnostic Display Box .....                          | 85-4750     |

**Notes:**

**Notes:**



**Count on it.**