



Form No. 3430-421 Rev E

**Count on it.**

# Parts Catalog

## Groundsmaster® 4500-D Rotary Mower

Model No. 30881—Serial No. 404674001 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.

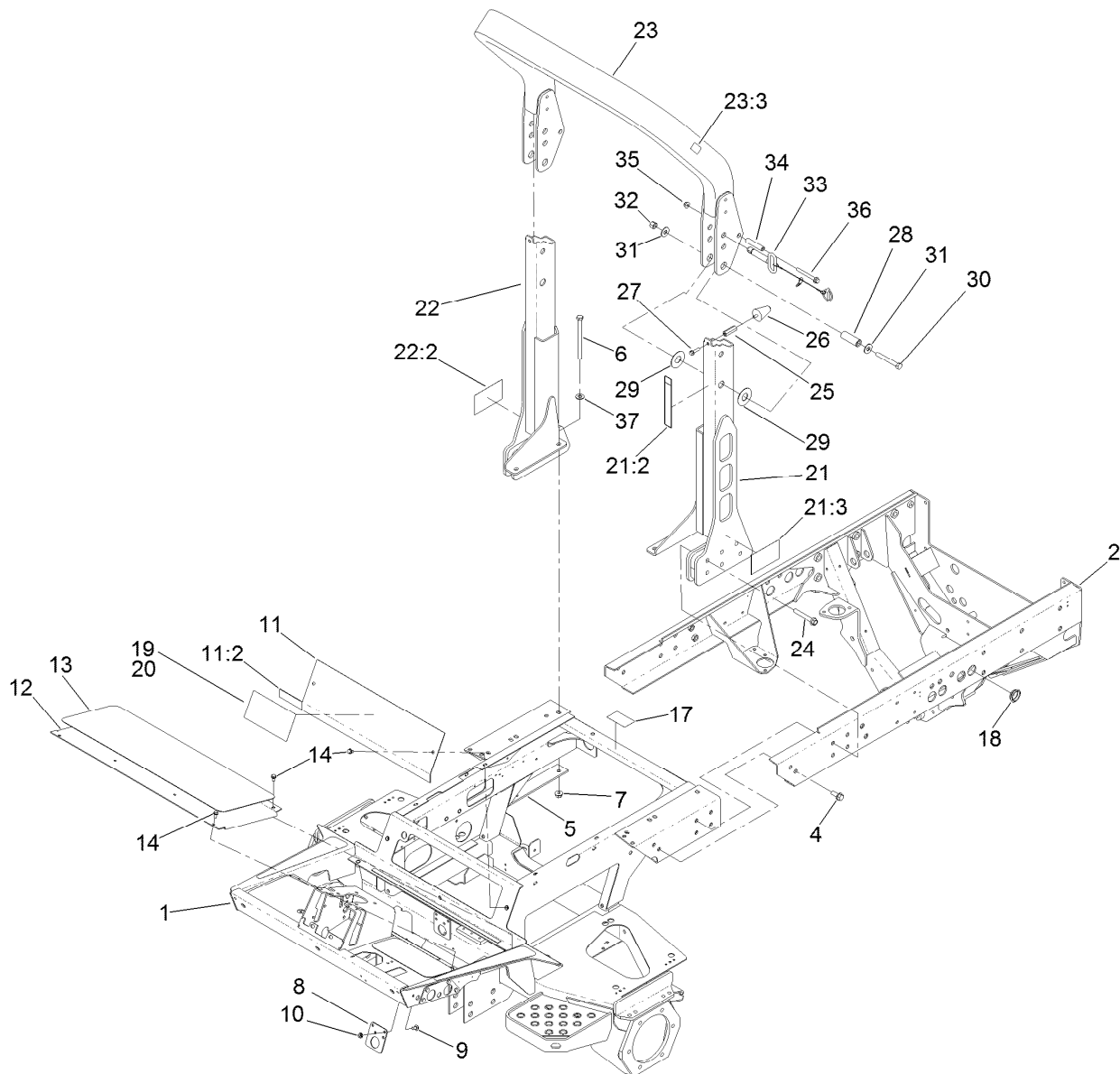
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

# Contents

|                                                             |    |
|-------------------------------------------------------------|----|
| Frame Assembly                                              | 5  |
| Front Frame Assembly No. 120-8086                           | 6  |
| Front Shroud Assembly                                       | 7  |
| Engine Mount Assembly                                       | 8  |
| Flywheel Assembly                                           | 9  |
| Engine, Air Cleaner and Controller Assembly                 | 10 |
| Air Cleaner Assembly No. 99-5410                            | 11 |
| Radiator Assembly                                           | 12 |
| Fan Mounting Assembly                                       | 14 |
| Hydraulic Motor Assembly No. 117-4769                       | 15 |
| No. 1, No. 4 and No. 5 Lift Arm and Deck Assembly           | 16 |
| Lift Cylinder Assembly No. 127-6427                         | 18 |
| Lift Cylinder Assembly No. 127-6429                         | 19 |
| Roller and Carrier Frame Assembly                           | 20 |
| Roller Assembly No. 112-5265                                | 21 |
| Height-of-Cut Bracket Assembly                              | 22 |
| Chamber, Blade and Spindle Assembly                         | 23 |
| Spindle Assembly No. 138-6932                               | 24 |
| No. 2 and 3 Lift Arm and Deck Assembly                      | 25 |
| Lift Cylinder Assembly No. 127-6428                         | 27 |
| Hydraulic Tank Assembly                                     | 28 |
| Fuel System Assembly                                        | 29 |
| Battery and Controller Assembly                             | 30 |
| Battery Storage Box Assembly No. 115-9100                   | 31 |
| Storage Box Assembly No. 115-9101                           | 32 |
| Seat Mounting Assembly                                      | 33 |
| Air Ride Seat Suspension Assembly No. 130-2702              | 34 |
| Vinyl Premium Seat Assembly No. 117-5676                    | 35 |
| Console Assembly                                            | 36 |
| Console, Switch, Cover and Decal Assembly                   | 38 |
| Steering and Brake Assembly                                 | 39 |
| Steering Tilt Column Assembly No. 106-3622                  | 41 |
| Steering Valve Assembly No. 114-8119                        | 42 |
| Pedal Assembly                                              | 43 |
| Hood Assembly                                               | 44 |
| Front Wheel Drive Assembly                                  | 46 |
| Planetary Assembly No. 136-2913                             | 47 |
| Brake Assembly No. 100-3070-03                              | 48 |
| Hydraulic Piston Motor Assembly No. 121-3100                | 49 |
| Brake Assembly No. 100-3069-03                              | 50 |
| Rear Axle Assembly                                          | 51 |
| Hydraulic Steer Cylinder Assembly No. 127-6431              | 53 |
| Bevel Pinion Shaft Assembly Rear Axle Assembly No. 110-4750 | 54 |
| Differential Assembly Rear Axle Assembly No. 110-4750       | 55 |
| Axle Support Assembly Rear Axle Assembly No. 110-4750       | 56 |
| Bevel Gear Case Assembly Rear Axle Assembly No. 110-4750    | 57 |
| Bevel Gear Shaft Assembly Rear Axle Assembly No. 110-4750   | 58 |
| Axle Case Assembly Rear Axle Assembly No. 110-4750          | 59 |
| Axle Assembly Rear Axle Assembly No. 110-4750               | 60 |
| Piston Motor Assembly No. 121-3101                          | 61 |
| Hydraulic System Assembly                                   | 62 |
| Four Section Pump Assembly No. 114-4189                     | 64 |
| Hydraulic Pump Assembly No. 132-6100                        | 66 |
| Hydraulic Valve Mounting Assembly                           | 68 |

## Contents (continued)

|                                                    |     |
|----------------------------------------------------|-----|
| Mow Manifold Assembly No. 120-8064 .....           | 70  |
| Lift Manifold Assembly No. 117-2388 .....          | 71  |
| Junction Manifold Assembly No. 117-2394 .....      | 72  |
| Junction Manifold Assembly .....                   | 73  |
| Fan Drive Manifold Assembly No. 117-2395 .....     | 74  |
| Rear Traction Manifold Assembly No. 121-3078 ..... | 75  |
| 3-Way Valve Manifold Assembly No. 138-6946 .....   | 76  |
| Hydraulic Traction Circuit Assembly .....          | 77  |
| Steering Hydraulic Assembly .....                  | 79  |
| Hydraulic Lift Circuit Assembly .....              | 80  |
| Deck Lift Hydraulic Assembly .....                 | 81  |
| Hydraulic Mow Circuit Assembly .....               | 82  |
| Deck No. 1, 4 and 5 Hydraulic Assembly .....       | 84  |
| Gear Motor Assembly No. 117-5141 .....             | 85  |
| Deck No. 2 and 3 Hydraulic Assembly .....          | 86  |
| Electrical Assembly .....                          | 87  |
| Engine Wire Harness Assembly .....                 | 88  |
| Cylinder Block Assembly .....                      | 89  |
| Gear Housing Assembly .....                        | 90  |
| Flywheel Housing and Oil Sump Assembly .....       | 91  |
| Cylinder Head and Cover Assembly .....             | 92  |
| Suction Manifold Assembly .....                    | 94  |
| Exhaust Manifold Assembly .....                    | 95  |
| Diesel Particulate Filter Assembly .....           | 96  |
| Camshaft and Driving Gear Assembly .....           | 98  |
| Turbine Assembly .....                             | 100 |
| Crankshaft and Piston Assembly .....               | 101 |
| Lubrication and Oil System Assembly .....          | 102 |
| Lubrication Oil Line Assembly .....                | 103 |
| Cooling Water System Assembly .....                | 104 |
| Fuel Injection Valve Assembly .....                | 105 |
| Fuel System Assembly .....                         | 106 |
| Fuel Line Assembly .....                           | 108 |
| Starting Motor Assembly .....                      | 109 |
| Generator Assembly .....                           | 110 |
| Electric Parts Assembly .....                      | 111 |
| Gasket Set .....                                   | 112 |
| Attachments and Accessories .....                  | 114 |



## Frame Assembly

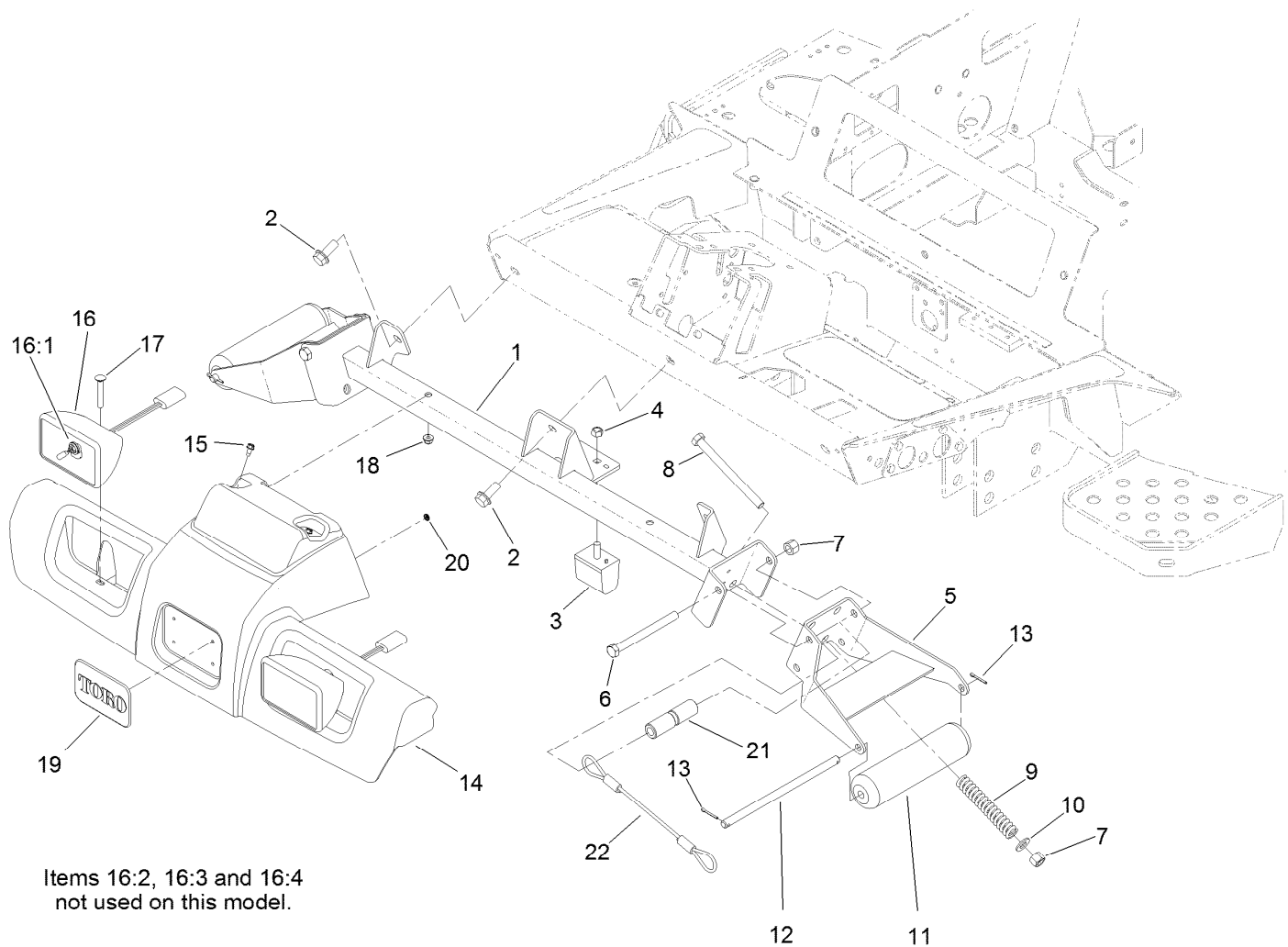
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 120-8086    | 1    | Front Frame ASM           |
| 2    | 120-8007-03 | 1    | Frame-Rear                |
| 4    | 3234-38     | 4    | Screw-HHF                 |
| 5    | 104-5584-03 | 2    | Plate-Reinforcement, ROPS |
| 6    | 325-33      | 4    | Screw-HH                  |
| 7    | 32128-49    | 4    | Nut-HHF                   |
| 8    | 104-5516-01 | 1    | Support-Tube              |
| 9    | 3230-23     | 2    | Bolt-CARR                 |
| 10   | 32128-20    | 2    | Nut-HF                    |
| 11   | 119-0006    | 1    | Access Plate ASM          |
| 11:2 | 105-9860    | 2    | Seal-Foam                 |
| 12   | 75-1410-01  | 1    | Plate-Access, Floor       |
| 13   | 125-4614    | 1    | Tread-Foot, Center        |
| 14   | 3234-7      | 6    | Screw-HHF                 |
| 17   | 106-6754    | 1    | Decal-Danger              |
| 18   | 105-9194    | 4    | Plug                      |
| 19   | 127-6447    | 1    | Decal-Danger, CE (16 DEG) |
| 20   | 112-5297    | 1    | Decal-Danger              |
| 21   | 136-2900    | 1    | LH ROPS ASM               |
| 21:2 | 120-8947    | 1    | Decal-Danger, ROPS        |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 21:3 | 94-8099     | 1    | Decal                 |
| 22   | 136-2901    | 1    | RH ROPS ASM           |
| 22:2 | 94-8099     | 1    | Decal                 |
| 23   | 136-2885    | 1    | Top Tube ASM          |
| 23:3 | 98-4387     | 1    | Decal-Protection, Ear |
| 24   | 114-8419    | 12   | Screw-HHF             |
| 25   | 136-2899    | 2    | Standoff-Hex          |
| 26   | 114-1925    | 2    | Bumper-Rubber         |
| 27   | 3234-36     | 2    | Screw-HHF             |
| 28   | 136-2890    | 2    | Spacer                |
| 29   | 136-2893    | 4    | Washer-Plastic        |
| 30   | 325-17      | 2    | Screw-HH              |
| 31   | 3256-6      | 4    | Washer-Flat           |
| 32   | 3296-23     | 2    | Nut-Lock, NI          |
| 33   | 136-2892    | 2    | Pin ASM               |
| 34   | 80-1890     | 2    | Spacer                |
| 35   | 104-8301    | 2    | Nut-HF, NI            |
| 36   | 116-4701    | 2    | Screw-HHF             |
| 37   | 87-7270     | 4    | Washer-Thrust         |



## Front Frame Assembly No. 120-8086

| 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           |
| 5    | 32148-7     | 10   | Nut-Clinch               |
| 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 Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 117-4760-01 | 1    | Support-Roller     |
| 2    | 3234-38     | 3    | Screw-HHF          |
| 3    | 87-3470     | 1    | Bumper             |
| 4    | 33025-00    | 1    | Nut-Lock, NI       |
| 5    | 105-3996-01 | 2    | Support-Roller     |
| 6    | 325-22      | 2    | Screw-HH           |
| 7    | 3296-23     | 4    | Nut-Lock, NI       |
| 8    | 325-20      | 2    | Screw-HH           |
| 9    | 105-3970    | 2    | Spring-Compression |
| 10   | 3256-26     | 2    | Washer-Flat        |
| 11   | 105-9816    | 2    | Roller-Plastic     |
| 12   | 104-5545    | 2    | Shaft-Roller       |
| 13   | 3272-11     | 4    | Pin-Cotter         |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 14   | 115-9137    | 1    | Shroud-Platform  |
| 15   | 32104-17    | 2    | Screw-HWH        |
| 16   | 94-9024     | 2    | Lamp ASM         |
| 16:1 | 95-0909     | 1    | Lamp-12 Volt     |
| 16:2 | 3230-28     | 1    | Screw-CARR       |
| 16:3 | 3253-33     | 1    | Washer-Lock      |
| 16:4 | 3217-6      | 1    | Nut-Hex          |
| 17   | 3230-7      | 2    | Bolt-CARR        |
| 18   | 104-8300    | 2    | Nut-HF, NI       |
| 19   | 93-6028     | 1    | Plate-Logo       |
| 20   | 138-6996    | 4    | Nut-Push         |
| 21   | 136-2923    | 2    | Spacer-Centering |
| 22   | 136-7992    | 2    | Lanyard          |



## Engine Mount Assembly

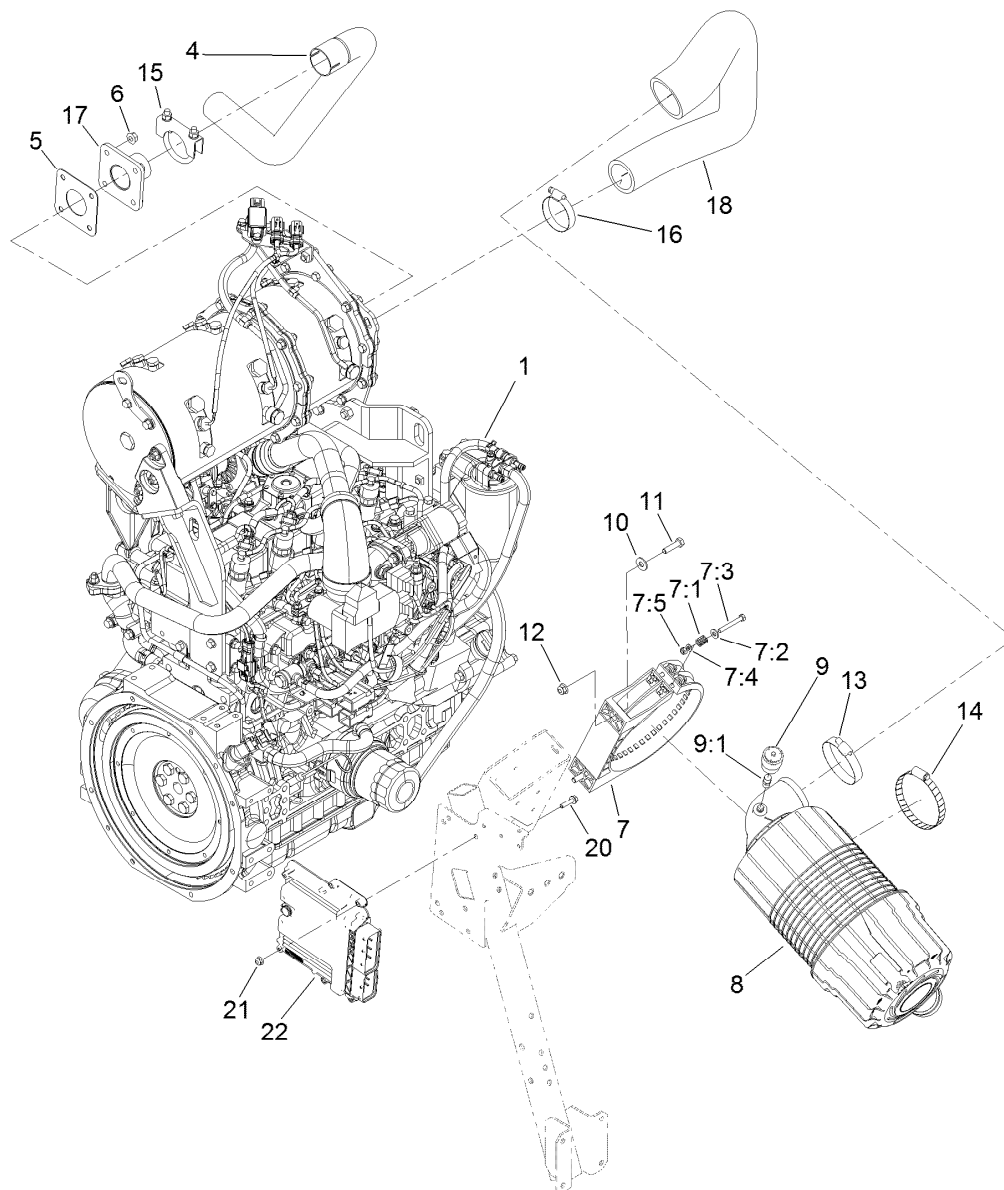
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 120-8001-03 | 1    | Mount-Engine, Front (LH) |
| 2    | 120-8002-03 | 1    | Mount-Engine, Front (RH) |
| 3    | 120-8003-03 | 1    | Mount-Engine, Rear (LH)  |
| 4    | 120-8004-03 | 1    | Mount-Engine, Rear (RH)  |
| 5    | 48-9590     | 16   | Washer-Lock              |
| 6    | 33115-025   | 16   | Screw-HH                 |
| 7    | 53-9682     | 4    | Mount-Engine             |
| 8    | 3234-11     | 8    | Screw-HHF                |
| 9    | 104-8301    | 13   | Nut-HF, NI               |
| 10   | 63-7400     | 4    | Washer-Rebound           |
| 11   | 3255-9      | 1    | Washer-Lock              |
| 12   | 104-5420-03 | 1    | Support-Battery          |
| 13   | 3234-29     | 8    | Screw-HHF                |
| 14   | 32128-20    | 8    | Nut-HF                   |
| 15   | 114-8134-03 | 1    | Bracket-Support          |
| 16   | 323-10      | 4    | Screw-HH                 |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 17   | 32128-21    | 4    | Nut-HF Lock                |
| 18   | 323-13      | 3    | Screw-HH                   |
| 19   | 121-3140-03 | 1    | Bracket-Mount, Air Cleaner |
| 20   | 121-3102-03 | 1    | Bracket-Controller         |
| 21   | 121-3098-03 | 1    | Support-Tailpipe           |
| 23   | 322-11      | 2    | Screw-HH                   |
| 24   | 104-8300    | 2    | Nut-HF, NI                 |
| 25   | 323-6       | 1    | Screw-HH                   |
| 26   | 18-2130     | 1    | Clamp                      |
| 27   | 99-7435     | 2    | Relay                      |
| 28   | 99-7430     | 2    | Relay-Mini                 |
| 29   | 321-3       | 2    | Screw-HH                   |
| 31   | 3290-134    | 2    | Screw                      |
| 32   | 3290-277    | 4    | Nut-Speed                  |
| 33   | 323-14      | 1    | Screw-HH                   |



## Flywheel Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           | 132-6120-03        | 1           | Plate-Flywheel      |
| 2           | 107-1413           | 8           | Washer-Hardened     |
| 3           | 132-6121           | 1           | Coupling-Flywheel   |
| 4           | 99-5132            | 8           | Bolt                |
| 5           | 117-5663           | 8           | Screw-HH            |
| 6           | 87-7510            | 8           | Washer-Flat         |
| 7           | 121-5636           | 1           | Tab-Harness         |
| 8           | 127-2774           | 1           | Bracket-Harness, RH |
| 9           | 3253-4             | 2           | Washer-Lock         |
| 10          | 33114-016          | 2           | Screw-HH            |
| 11          | 48-9590            | 2           | Washer-Lock         |
| 12          | 33115-016          | 2           | Screw-HH            |
| 13          | 127-2773           | 1           | Bracket-Harness, LH |
| 14          | 3290-378           | 4           | Tie-Cable           |



## Engine, Air Cleaner and Controller Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 138-6917    | 1    | Engine-Yanmar      |
| 4    | 121-3061    | 1    | Pipe-Exhaust       |
| 5    | 121-3058    | 1    | Gasket-Exhaust     |
| 6    | 33004-00    | 4    | Nut-HF             |
| 7    | 99-5414     | 1    | Strap-Cleaner, Air |
| 7:1  | 108-1512    | 2    | Spring             |
| 7:2  | 3256-22     | 2    | Washer-Flat        |
| 7:3  | 33113-050   | 2    | Screw-HH           |
| 7:4  | 33093-00    | 2    | Washer-Flat        |
| 7:5  | 33023-00    | 2    | Nut-Lock           |
| 8    | 99-5410     | 1    | Air Cleaner ASM    |
| 9    | 104-3563    | 1    | Indicator          |
| 9:1  | 94-1416     | 1    | Adapter-Indicator  |

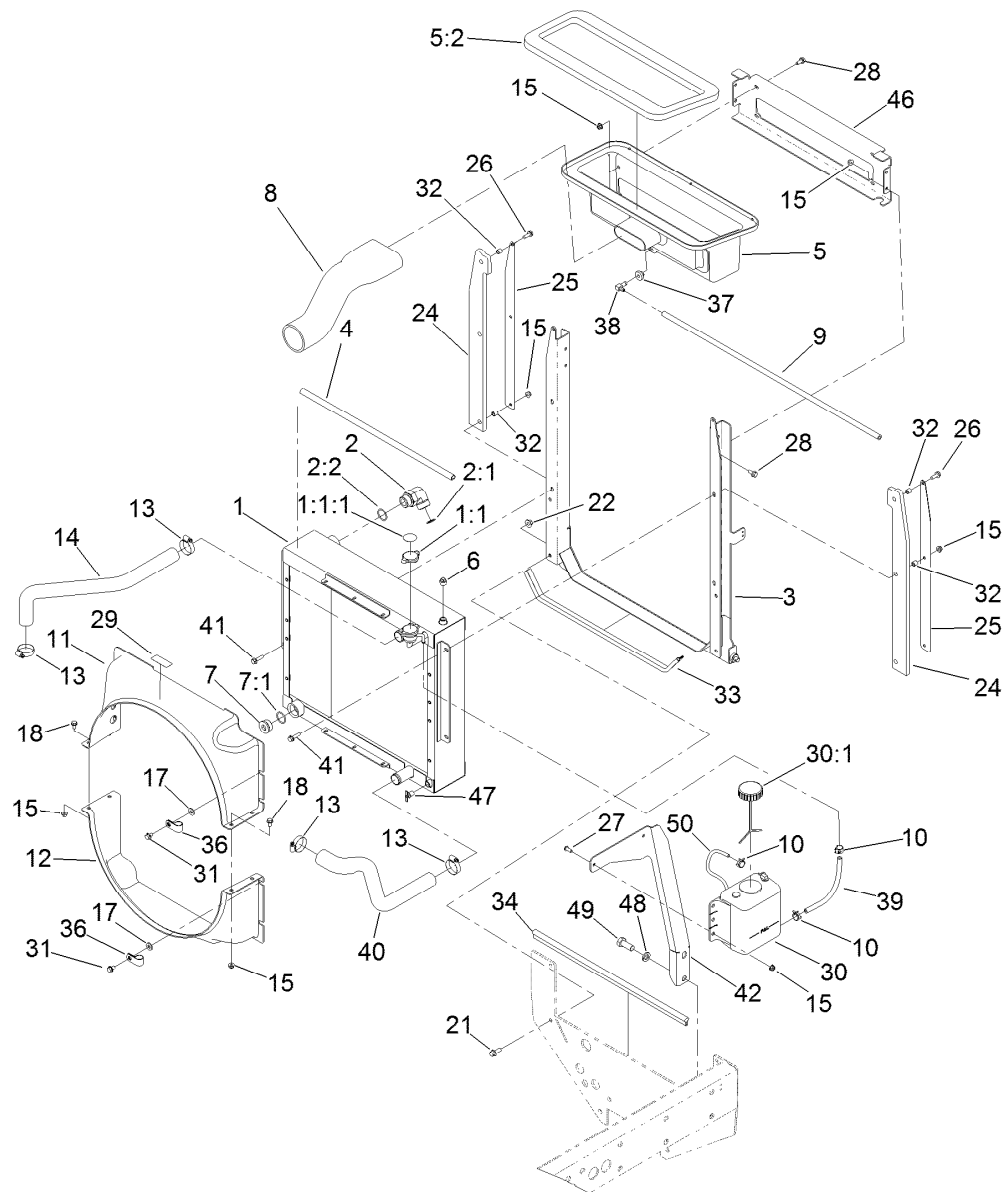
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 3256-3      | 2    | Washer-Flat              |
| 11   | 322-6       | 2    | Screw-HH                 |
| 12   | 104-8300    | 2    | Nut-HF, NI               |
| 13   | 2412-125    | 1    | Clamp-Hose               |
| 14   | 2412-110    | 1    | Clamp-Band/Screw         |
| 15   | 18-2130     | 1    | Clamp                    |
| 16   | 2412-130    | 1    | Clamp-Hose               |
| 17   | 121-3060    | 1    | Flange-Exhaust           |
| 18   | 121-3142    | 1    | Hose-Air Cleaner, Outlet |
| 20   | 120-4654    | 4    | Screw-HHF                |
| 21   | 104-7201    | 4    | Nut-HF, NI               |
| 22   | 121-5592    | 1    | Electronic Control Unit  |



## Air Cleaner Assembly No. 99-5410

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

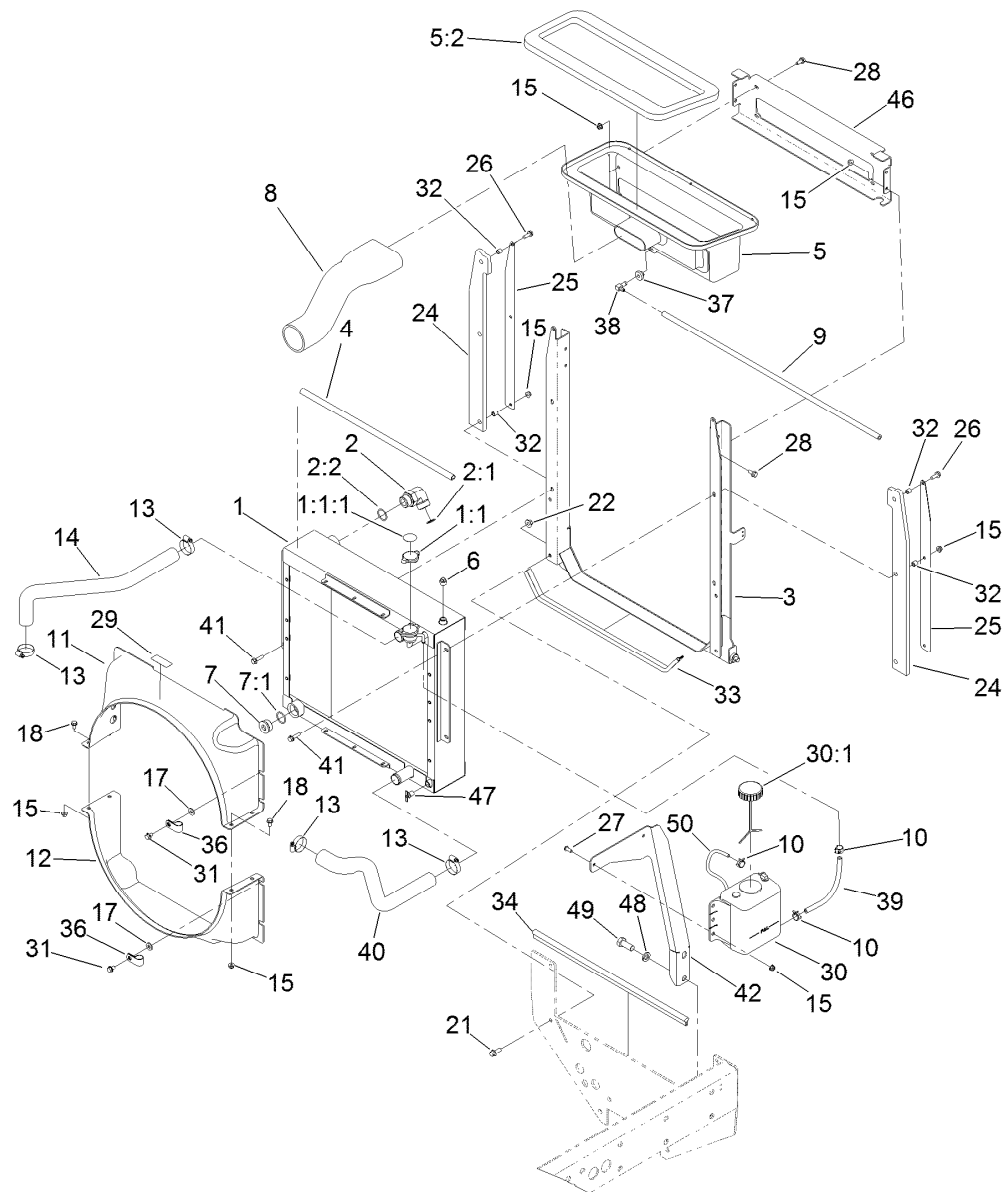
● Not serviced separately



## Radiator Assembly

| Ref.  | Part Number | Qty. | Description             |
|-------|-------------|------|-------------------------|
| 1     | 132-6161    | 1    | Radiator/Oil Cooler     |
| 1:1   | 115-7766    | 1    | Cap-Radiator            |
| 1:1:1 | 106-6755    | 1    | Decal-Cap, Radiator     |
| 2     | 340-129     | 2    | Fitting-Elbow, 90 DEG   |
| 2:1   | 237-146     | 1    | O-Ring                  |
| 2:2   | 340-65      | 1    | O-Ring                  |
| 3     | 121-3084-03 | 1    | Mount-Radiator          |
| 4     | 114-3828    | 1    | Seal-Bulb               |
| 5     | 115-4363    | 1    | Plenum ASM              |
| 5:2   | 115-4393    | 1    | Seal-Plenum             |
| 6     | 281-13      | 1    | Plug-Pipe               |
| 7     | 105-3921    | 1    | Fitting-Plug            |
| 7:1   | 237-146     | 1    | O-Ring                  |
| 8     | 121-3143    | 1    | Hose-Air Cleaner, Inlet |
| 9     | 110-3258    | 1    | Hose-Fuel               |
| 10    | 92-2379     | 4    | Clamp-Hose              |
| 11    | 125-4615    | 1    | Shroud-Radiator, Upper  |
| 12    | 121-3106    | 1    | Shroud-Radiator, Lower  |
| 13    | 2412-3      | 4    | Clamp-Hose              |
| 14    | 121-1476    | 1    | Hose-Radiator, Upper    |
| 15    | 104-8300    | 18   | Nut-HF, NI              |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 17   | 3256-3      | 8    | Washer-Flat           |
| 18   | 3234-7      | 4    | Screw-HHF             |
| 21   | 3234-11     | 4    | Screw-HHF             |
| 22   | 32128-43    | 4    | Nut-Flange            |
| 24   | 121-3087    | 2    | Seal-Foam, Hood       |
| 25   | 121-3086-03 | 2    | Bracket-Seal, Hood    |
| 26   | 32144-41    | 2    | Screw-Taptite         |
| 27   | 3274-55     | 2    | Screw-HSBH            |
| 28   | 3234-47     | 8    | Screw-HHF             |
| 29   | 117-4766    | 1    | Decal-Warning, Fan    |
| 30   | 120-5571    | 1    | Coolant Reservoir ASM |
| 30:1 | 87-7050     | 1    | Cap-Reservoir         |
| 31   | 3234-30     | 8    | Screw-HHF             |
| 32   | 1-603903    | 6    | Spacer                |
| 33   | 117-4782    | 1    | Seal-Bulb             |
| 34   | 105-9858    | 1    | Seal-Bulb             |
| 36   | 2412-81     | 2    | Clamp-R               |
| 37   | 46-6560     | 1    | Bushing               |
| 38   | 46-6550     | 1    | Fitting-Elbow, 90 DEG |
| 39   | 109-0282    | 1    | Hose-Fuel             |
| 40   | 121-1477    | 1    | Hose-Radiator, Lower  |



## Radiator Assembly (continued)

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 41   | 3234-36     | 4    | Screw-HHF           |
| 42   | 125-4609-03 | 1    | Bracket-Mount, Tank |
| 46   | 121-3085    | 1    | Plate-Crossover     |
| 47   | 304-46      | 1    | Draincock           |

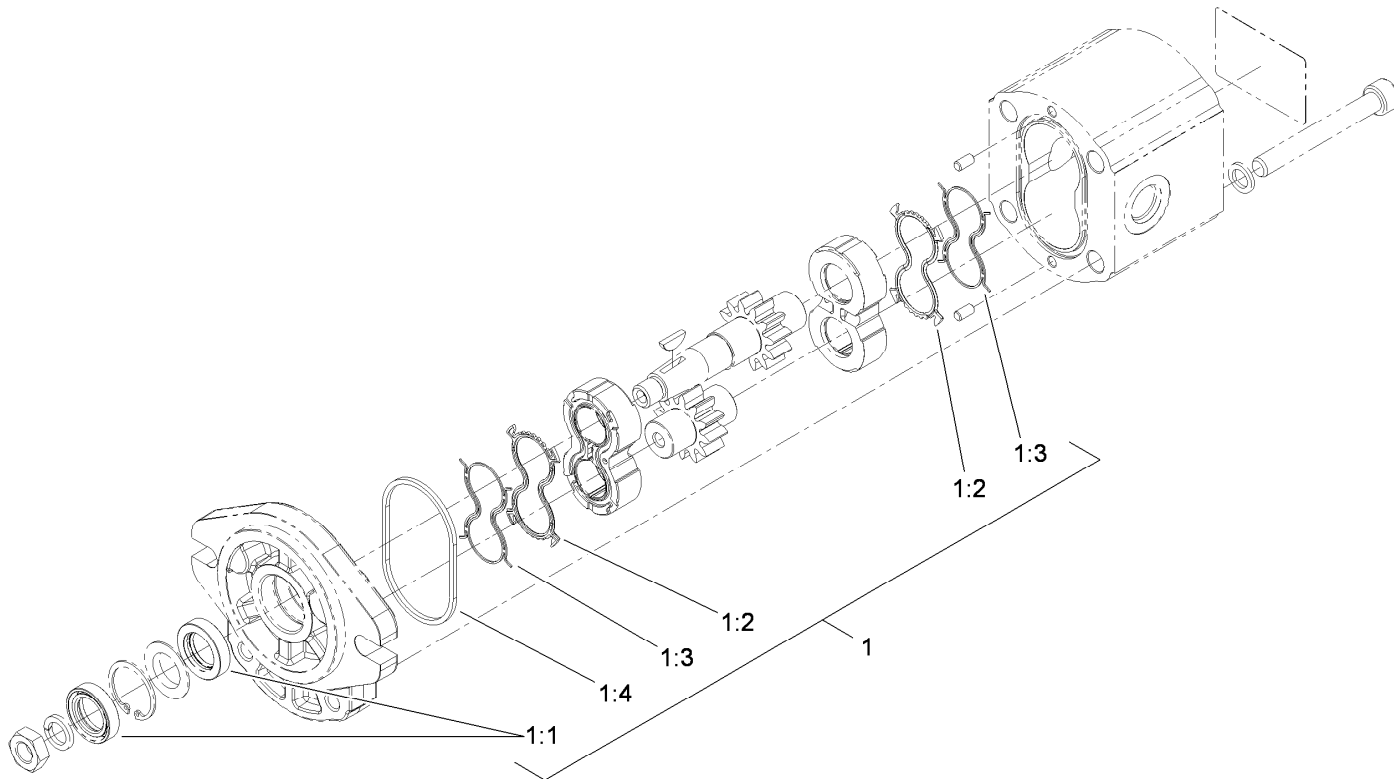
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 48   | 3253-8      | 2    | Washer-Lock |
| 49   | 327-4       | 2    | Screw-HH    |
| 50   | 109-0273    | 1    | Hose-Fuel   |



## Fan Mounting Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 115-8486    | 4    | Screw-HH         |
| 2    | 114-3825    | 1    | Fan              |
| 3    | 117-2364    | 1    | Hub-Fan          |
| 4    | 340-2       | 1    | Fitting-Straight |
| 4:1  | 237-22      | 1    | O-Ring           |
| 4:2  | 237-42      | 1    | O-Ring           |
| 5    | 117-4769    | 1    | HYD Motor ASM    |
| 6    | 120-8935-03 | 1    | Bracket-Fan      |
| 7    | 324-5       | 2    | Screw-HH         |
| 8    | 3256-25     | 2    | Washer-Flat      |
| 9    | 3296-48     | 2    | Nut-Hex          |
| 10   | 340-4       | 2    | Fitting-Straight |
| 10:1 | 237-30      | 1    | O-Ring           |

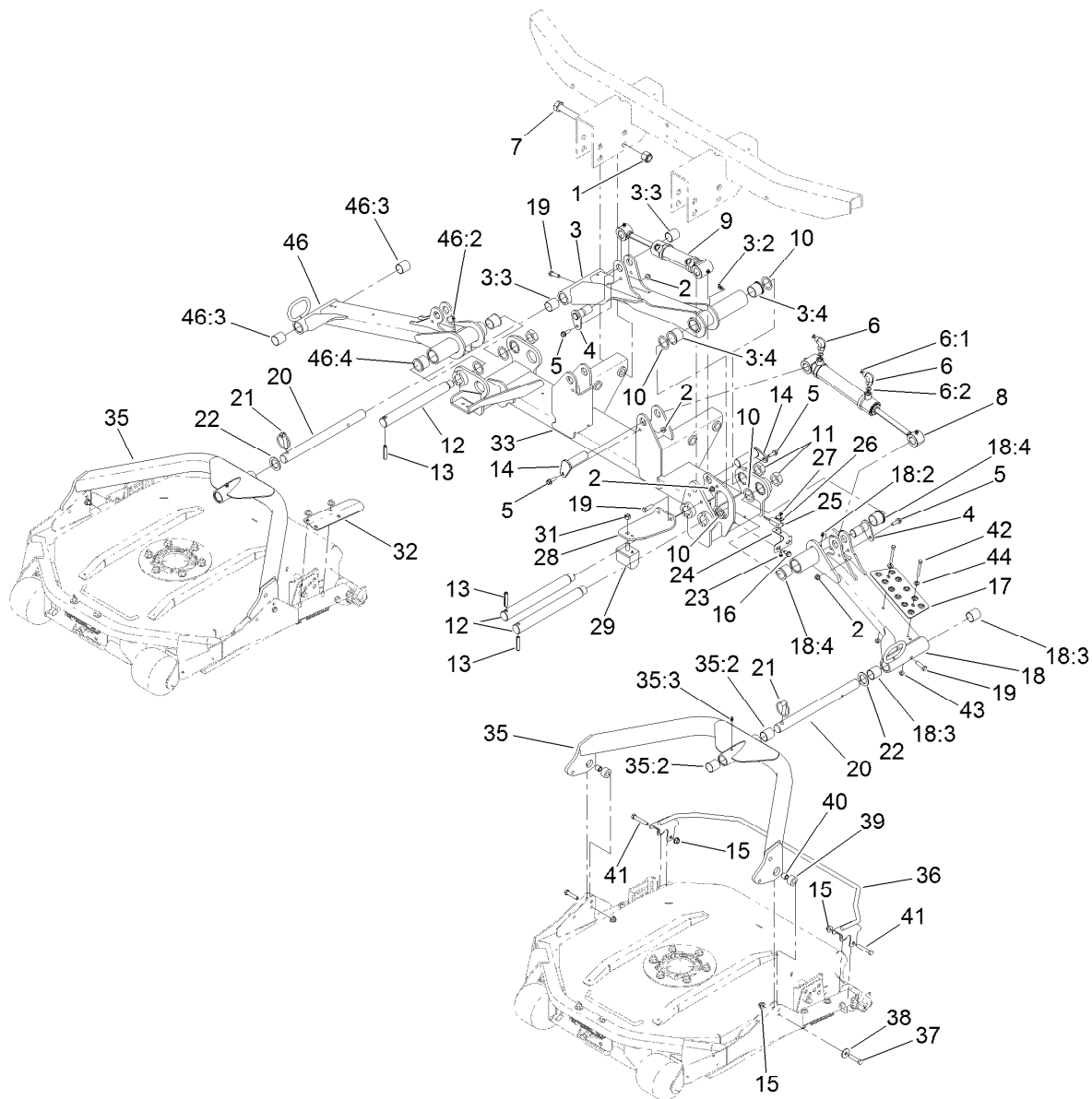
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10:2 | 237-79      | 1    | O-Ring          |
| 11   | 80-6990     | 4    | Washer-Hardened |
| 12   | 104-7201    | 6    | Nut-HF, NI      |
| 13   | 99-6810     | 6    | Screw-HHF       |
| 14   | 125-4610    | 2    | Shim-Support    |
| 16   | 125-4598    | 1    | Tube ASM        |
| 16:1 | 237-22      | 1    | O-Ring          |
| 17   | 125-4596    | 1    | Tube ASM        |
| 17:1 | 237-30      | 1    | O-Ring          |
| 18   | 125-4597    | 1    | Tube ASM        |
| 18:1 | 237-30      | 1    | O-Ring          |
| 19   | 340-70      | 1    | Nut-Lock        |
| 20   | 340-127     | 2    | Nut-Bulkhead    |



## Hydraulic Motor Assembly No. 117-4769

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 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



## No. 1, No. 4 and No. 5 Lift Arm and Deck Assembly

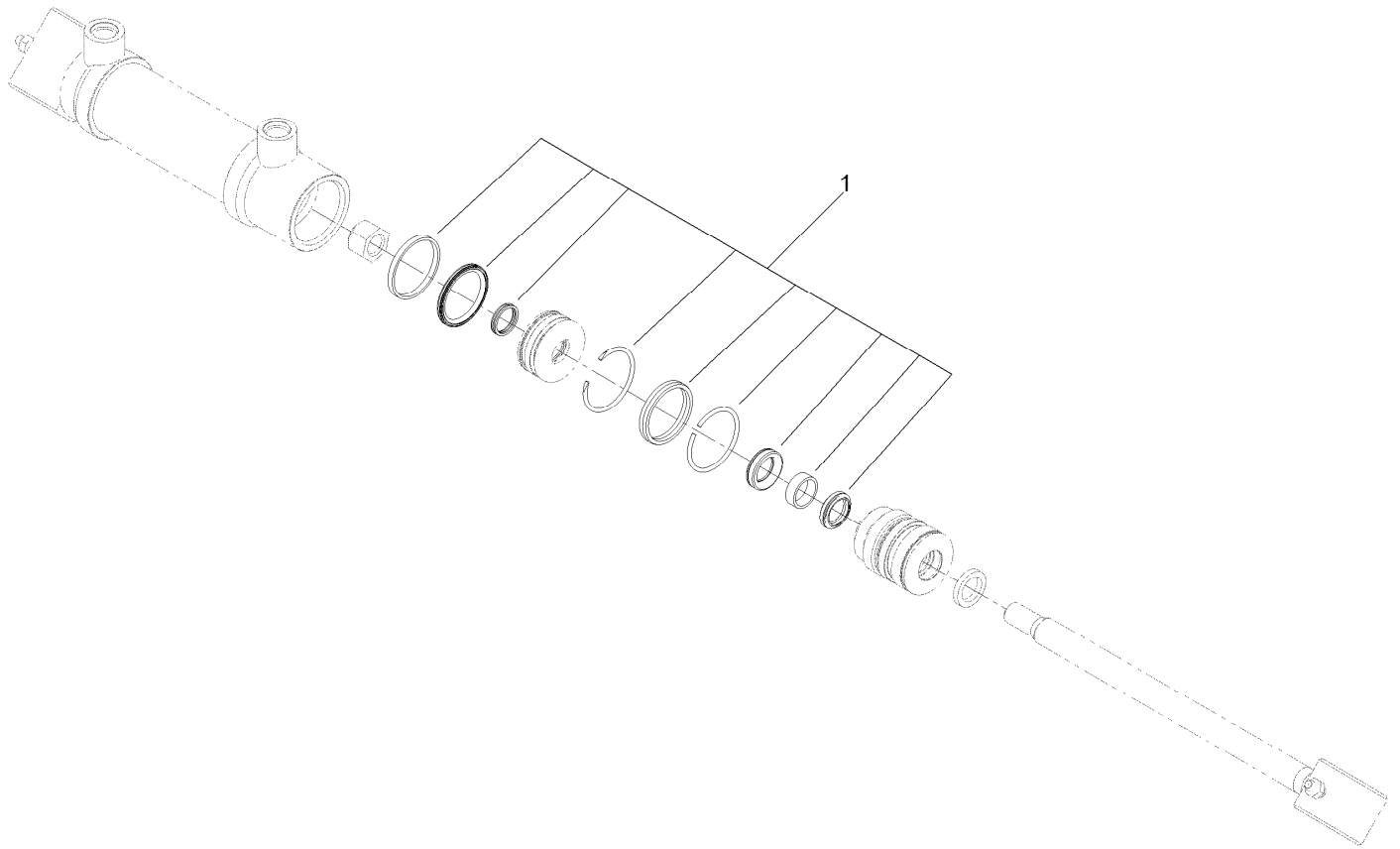
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 3296-51     | 4    | Nut-Lock, NI          |
| 2    | 104-8300    | 6    | Nut-HF, NI            |
| 3    | 108-4032    | 1    | No. 1 Lift Arm ASM    |
| 3:2  | 302-60      | 1    | Fitting-Grease        |
| 3:3  | 108-4000    | 2    | Bushing               |
| 3:4  | 104-0015    | 2    | Bushing-Flange        |
| 4    | 131-4201    | 3    | Pin-Pivot             |
| 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    | 127-6429    | 2    | Lift Cylinder ASM     |
| 9    | 127-6427    | 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   | 125-1906    | 3    | Pin-Cylinder          |
| 15   | 104-8301    | 12   | Nut-HF, NI            |
| 16   | 32104-32    | 4    | Screw-HWH             |

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 17   | 105-3987-03 | 1    | 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   | 136-2922    | 3    | Shaft-Carrier, Pivot      |
| 21   | 3290-384    | 3    | Pin-Lynch                 |
| 22   | 3-6781      | 3    | Washer-Flat               |
| 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    | 3    | Carrier Frame ASM         |
| 35:2 | 108-4000    | 2    | Bushing                   |



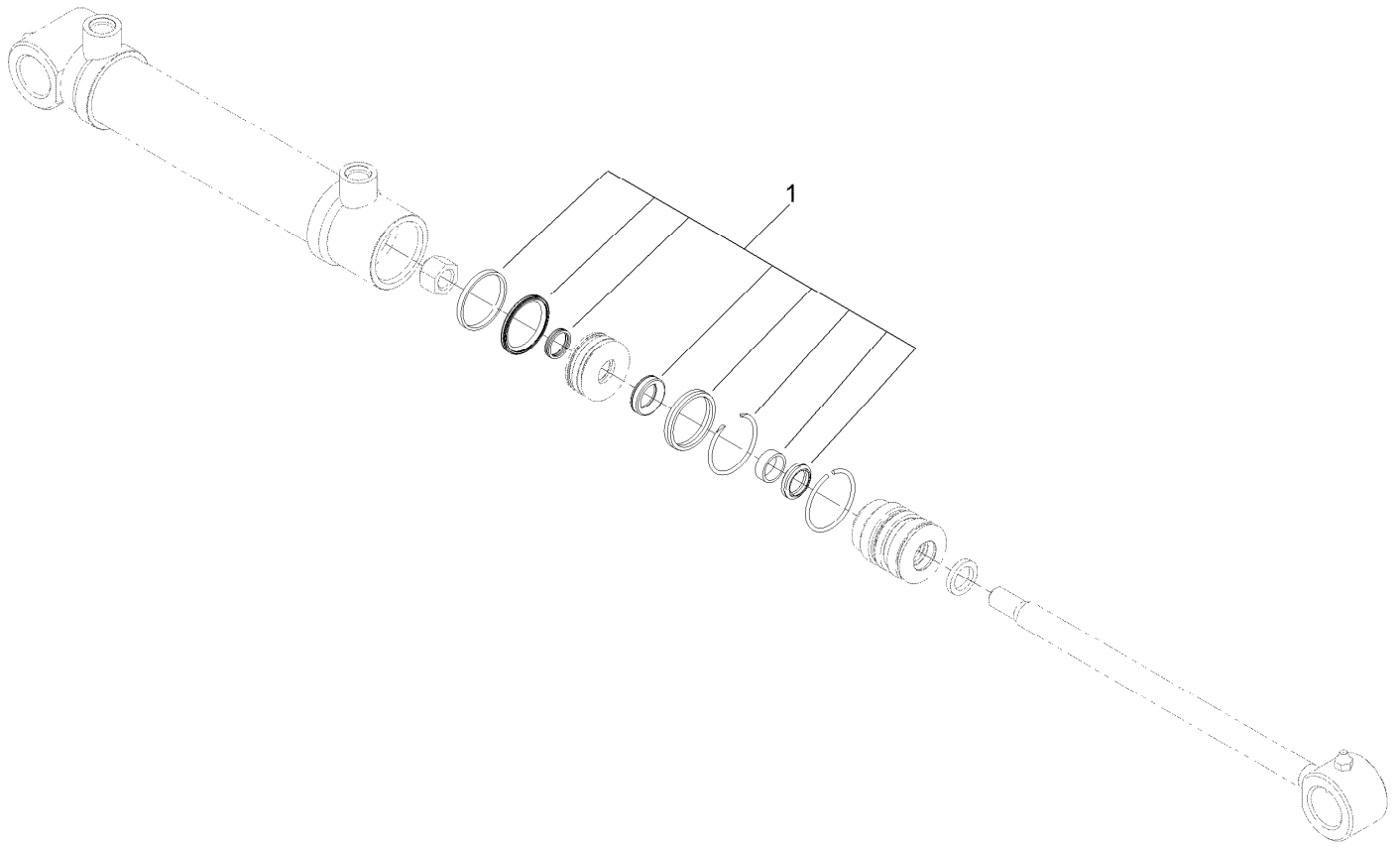
## No. 1, No. 4 and No. 5 Lift Arm and Deck Assembly (continued)

| Ref. | Part Number | Qty. | Description     | Ref. | Part Number | Qty. | Description        |
|------|-------------|------|-----------------|------|-------------|------|--------------------|
| 35:3 | 302-5       | 1    | Fitting-Grease  | 42   | 321-15      | 2    | Screw-HH           |
| 36   | 112-9900-03 | 2    | Guard-Foot      | 43   | 32128-33    | 2    | Nut-HF             |
| 37   | 323-52      | 6    | Screw-HH        | 44   | 3256-23     | 2    | Washer-Plain       |
| 38   | 93-8806     | 6    | Washer-Hardened | 46   | 108-4034    | 1    | No. 5 Lift Arm ASM |
| 39   | 105-9823    | 6    | Bushing-Carrier | 46:2 | 302-5       | 1    | Fitting-Grease     |
| 40   | 105-9822    | 6    | Spacer          | 46:3 | 108-4000    | 2    | Bushing            |
| 41   | 323-11      | 4    | Screw-HH        | 46:4 | 104-0015    | 2    | Bushing-Flange     |



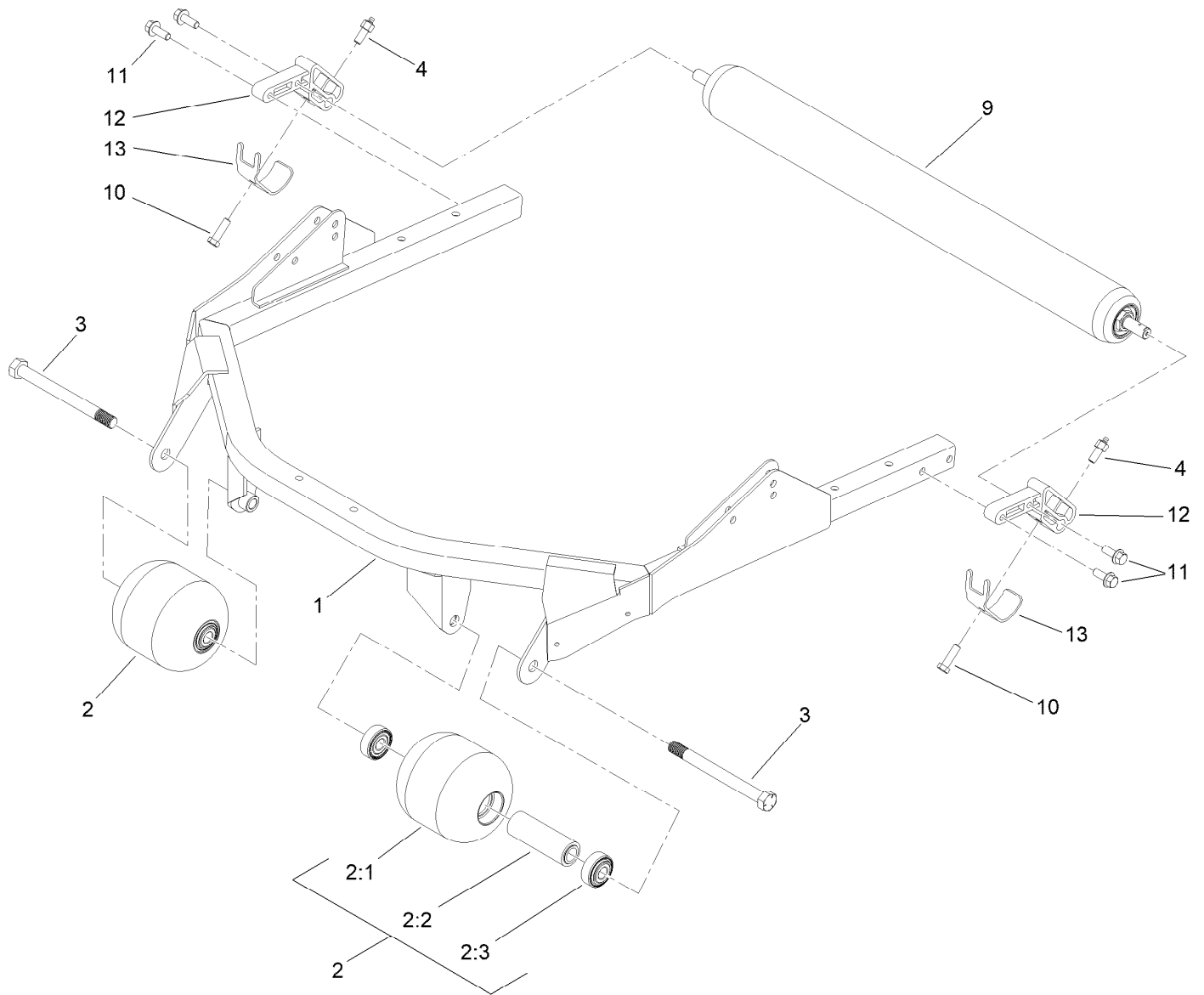
## Lift Cylinder Assembly No. 127-6427

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-7755           | 1           | Cylinder Seal Kit  |



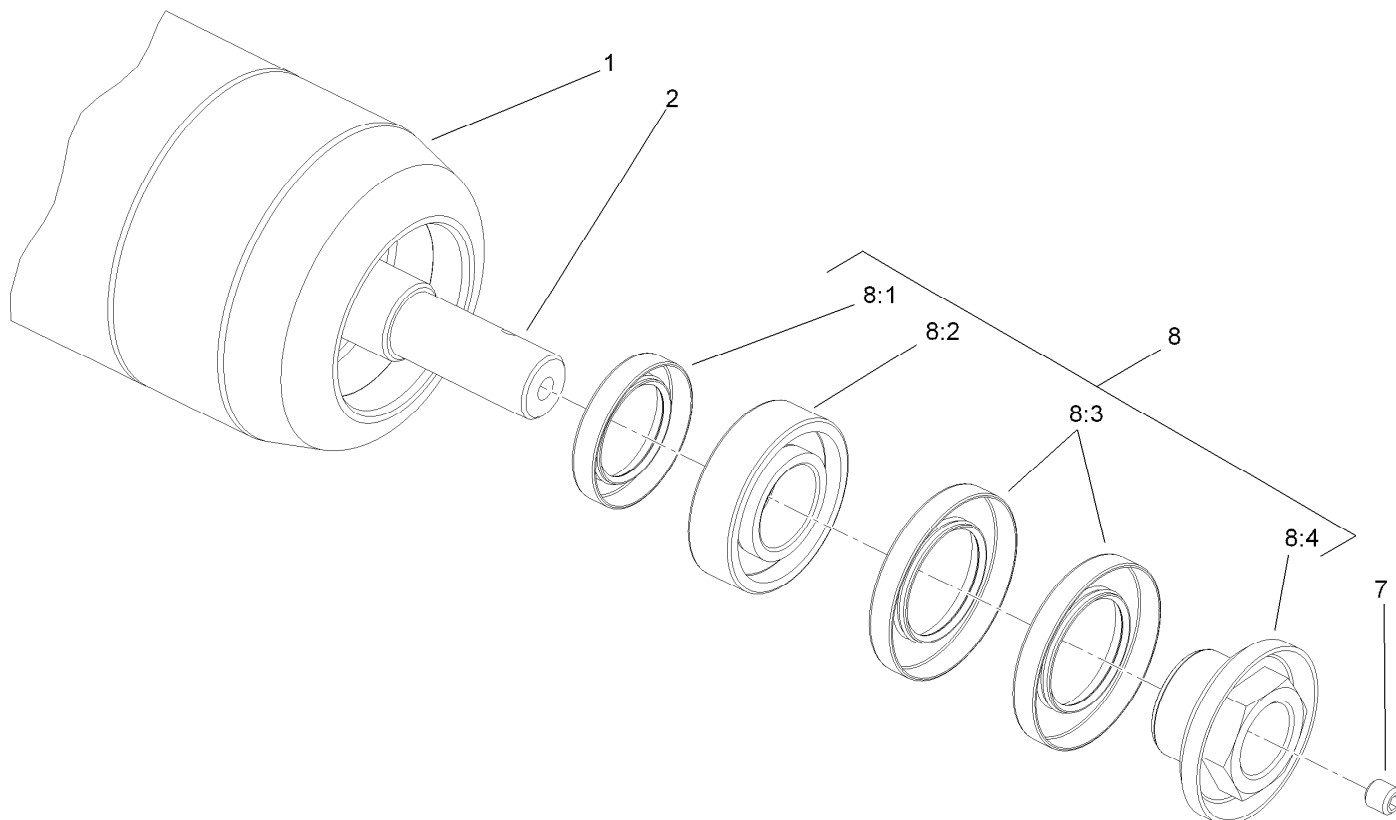
## Lift Cylinder Assembly No. 127-6429

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-7755           | 1           | Cylinder Seal Kit  |



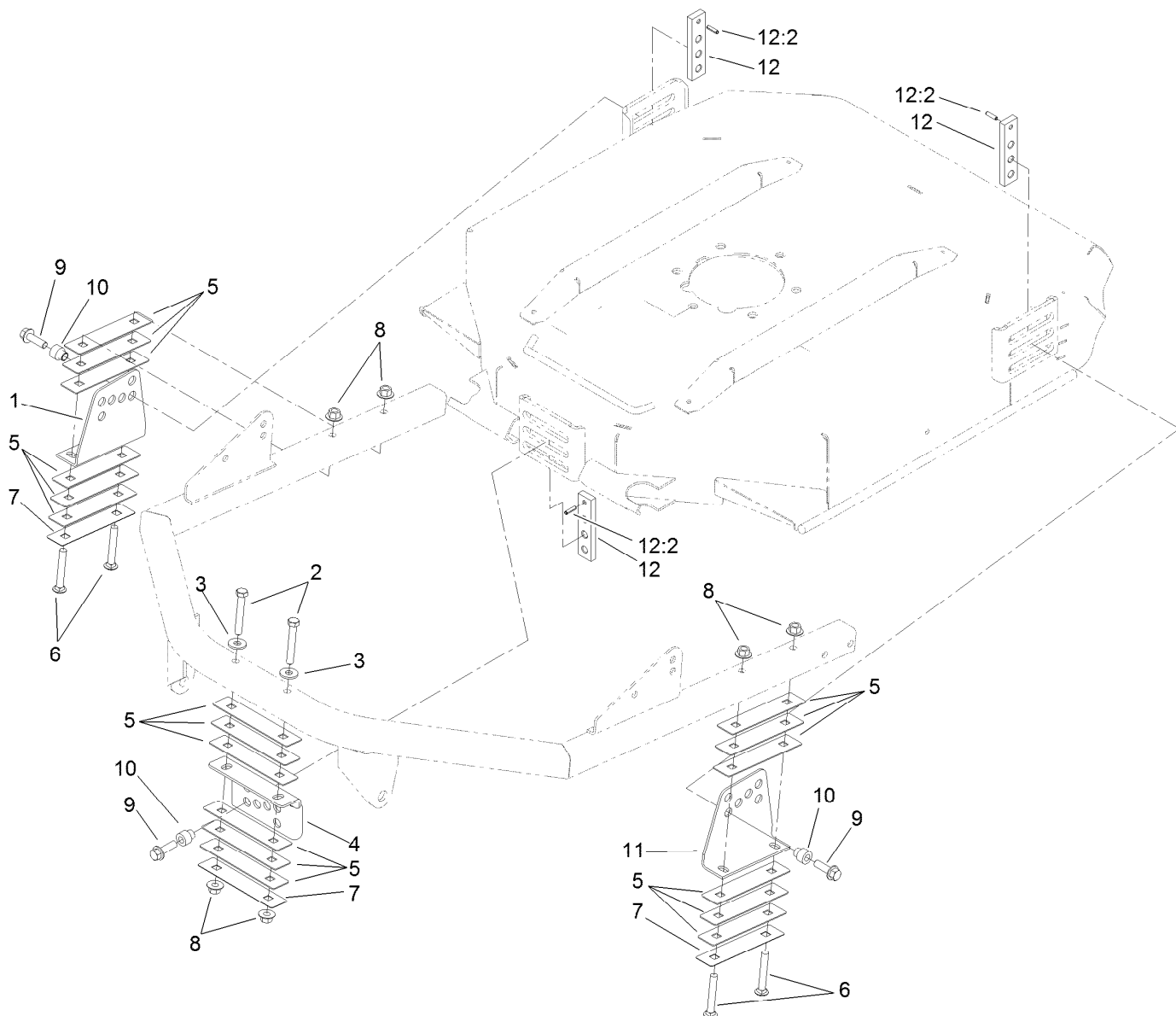
## Roller and Carrier Frame Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 100-5780-03 | 1    | Frame-Deck           |
| 2    | 136-2908    | 2    | Roller ASM           |
| 2:1  | 104-1093    | 1    | Roller               |
| 2:2  | 100-5762    | 1    | Spacer-Bearing       |
| 2:3  | 120-3366    | 2    | Bearing              |
| 3    | 136-2924    | 2    | Screw-HH             |
| 4    | 127-6422    | 2    | Screw-Grease, Roller |
| 9    | 112-5265    | 1    | Roller ASM           |
| 10   | 323-7       | 2    | Screw-HH             |
| 11   | 3234-11     | 4    | Screw-HHF            |
| 12   | 112-5268    | 2    | Mount-Roller         |
| 13   | 107-7816    | 2    | Bracket-Skid         |



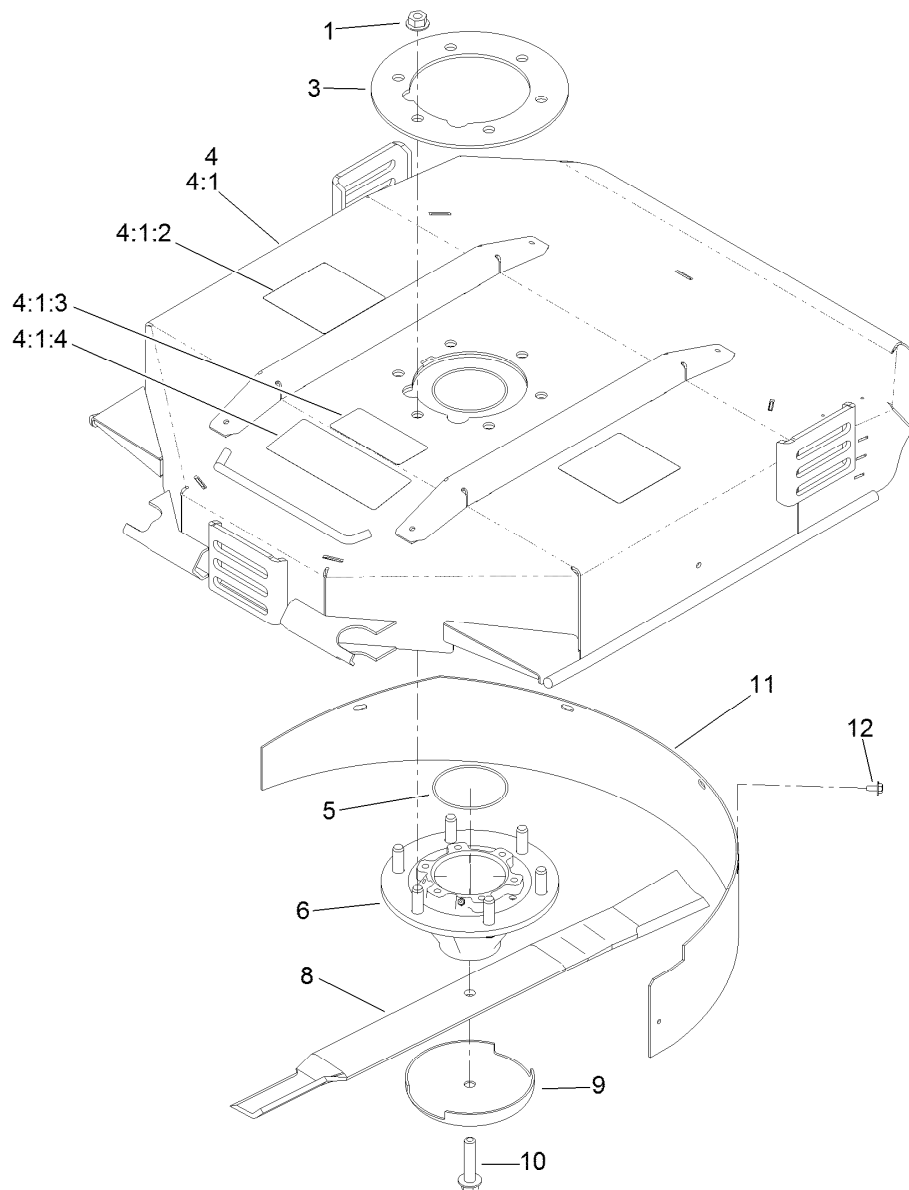
## Roller Assembly No. 112-5265

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 1           | 112-5274-03        | 1           | Tube ASM                 |
| 2           | 117-5100           | 1           | Shaft-Roller, Rear       |
| 7           | 108-0989           | 2           | Screw-Set                |
| 8           | 114-5430           | 1           | Roller Rebuild Kit       |
| 8:1         | 114-3717           | 2           | Seal-Oil                 |
| 8:2         | 112-5290           | 2           | Bearing-Steel, Stainless |
| 8:3         | 112-7494           | 4           | Seal                     |
| 8:4         | 114-3745           | 2           | Nut-Lock, Bearing        |



## Height-of-Cut Bracket Assembly

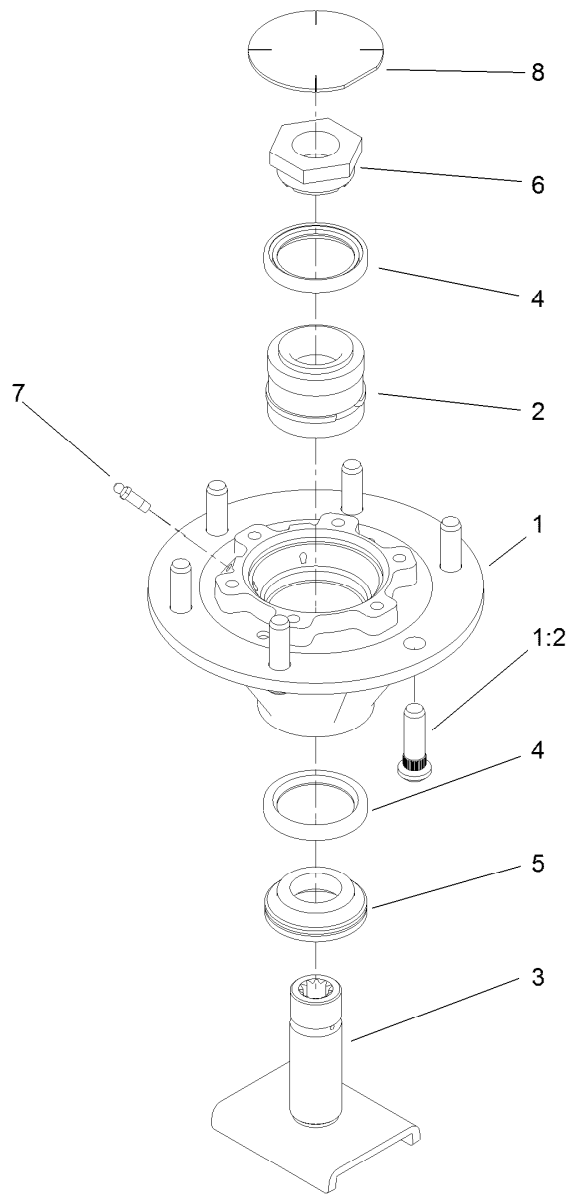
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 100-5797-03 | 1    | Bracket-HOC, RH     |
| 2    | 323-12      | 2    | Screw-HH            |
| 3    | 80-6990     | 2    | Washer-Hardened     |
| 4    | 104-1052-03 | 1    | Bracket-HOC, Front  |
| 5    | 100-5799    | 18   | Shim-HOC, .060 Inch |
| 6    | 3231-9      | 4    | Screw-CARR          |
| 7    | 104-4641    | 3    | Shim-HOC, .030 Inch |
| 8    | 32128-43    | 6    | Nut-Flange          |
| 9    | 3234-24     | 3    | Screw-HHF           |
| 10   | 121-3575    | 3    | Spacer-HOC          |
| 11   | 104-4624-03 | 1    | Bracket-HOC, LH     |
| 12   | 136-2921    | 3    | HOC Plate ASM       |
| 12:2 | 32121-5     | 1    | Pin-Spring          |



## Chamber, Blade and Spindle Assembly

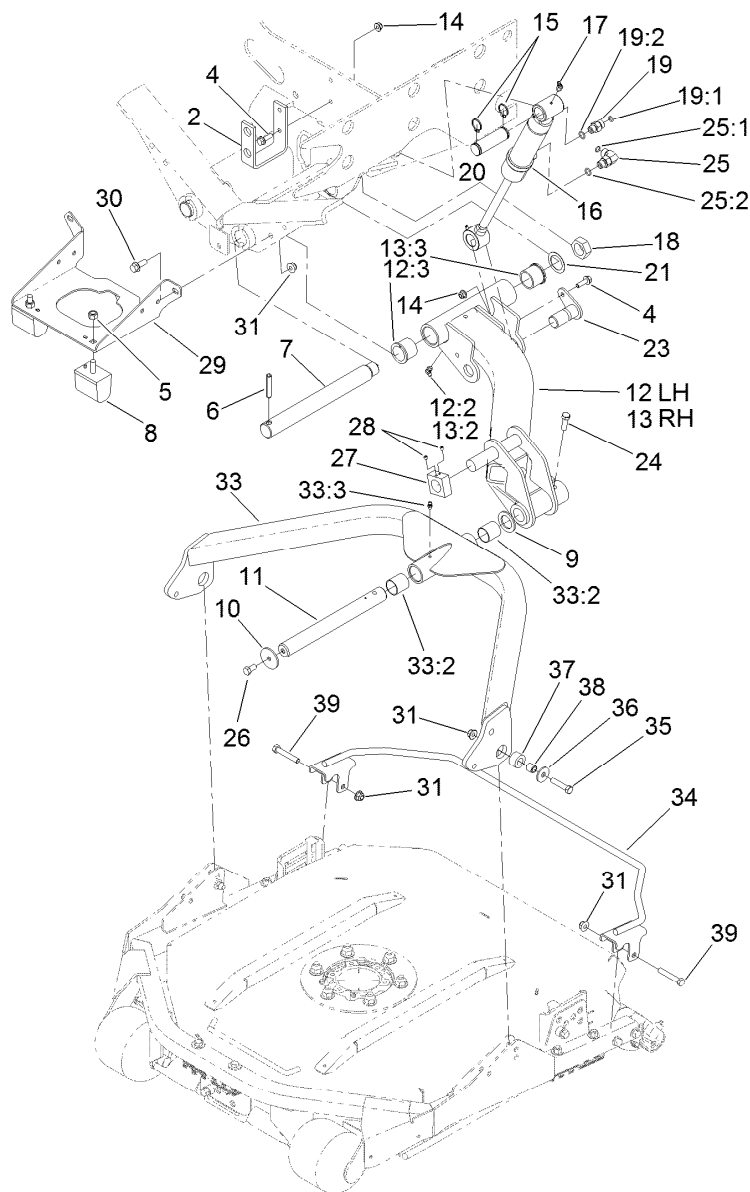
| Ref.  | Part Number | Qty. | Description              |
|-------|-------------|------|--------------------------|
| 1     | 32128-39    | 6    | Nut-HF                   |
| 3     | 104-1051-03 | 1    | Plate-Spindle            |
| 4     | 127-6389    | 1    | Deck Chamber Service ASM |
| 4:1   |             | 1    | Chamber ASM ●            |
| 4:1:2 | 117-4764    | 2    | Decal-Danger             |
| 4:1:3 | 93-7818     | 1    | Decal-Torque, Blade Bolt |
| 4:1:4 | 121-3627    | 1    | Decal-Height Of Cut      |
| 5     | 237-161     | 1    | O-Ring                   |
| 6     | 138-6932    | 1    | Spindle ASM              |
| 8     | 107-0235-03 | 1    | Blade-Atomic             |
| 8     | 108-9026-03 | 1    | Blade-Combo              |
| 9     | 72-9361     | 1    | Cup-Scalp, Anti          |
| 10    | 92-5816     | 1    | Bolt-Blade               |
| 11    | 108-9025-01 | 1    | Baffle-Mulching          |
| 12    | 46-8560     | 5    | Screw-HHFTF              |

● Not serviced separately



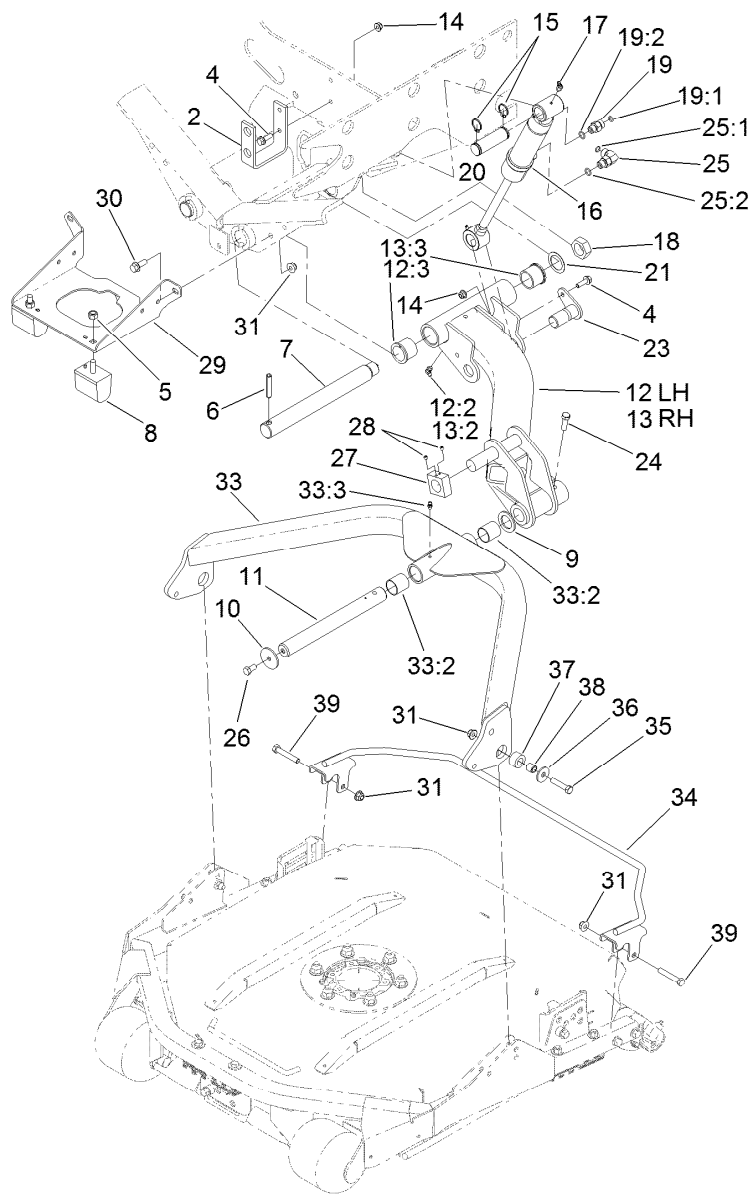
## Spindle Assembly No. 138-6932

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 115-3434    | 1    | Spindle                |
| 1:2  | 10-6830     | 6    | Stud-Type, Drive       |
| 2    | 100-5703    | 1    | Spacer And Bearing ASM |
| 3    | 138-6931    | 1    | Spindle Shaft ASM      |
| 4    | 253-154     | 2    | Seal-Oil               |
| 5    | 69-6950     | 1    | Spacer-Shaft, Spindle  |
| 6    | 100-5709    | 1    | Nut-Spindle, Spcl      |
| 7    | 302-62      | 2    | Fitting-Grease         |
| 8    | 94-2703     | 1    | Plug                   |



## No. 2 and 3 Lift Arm and Deck Assembly

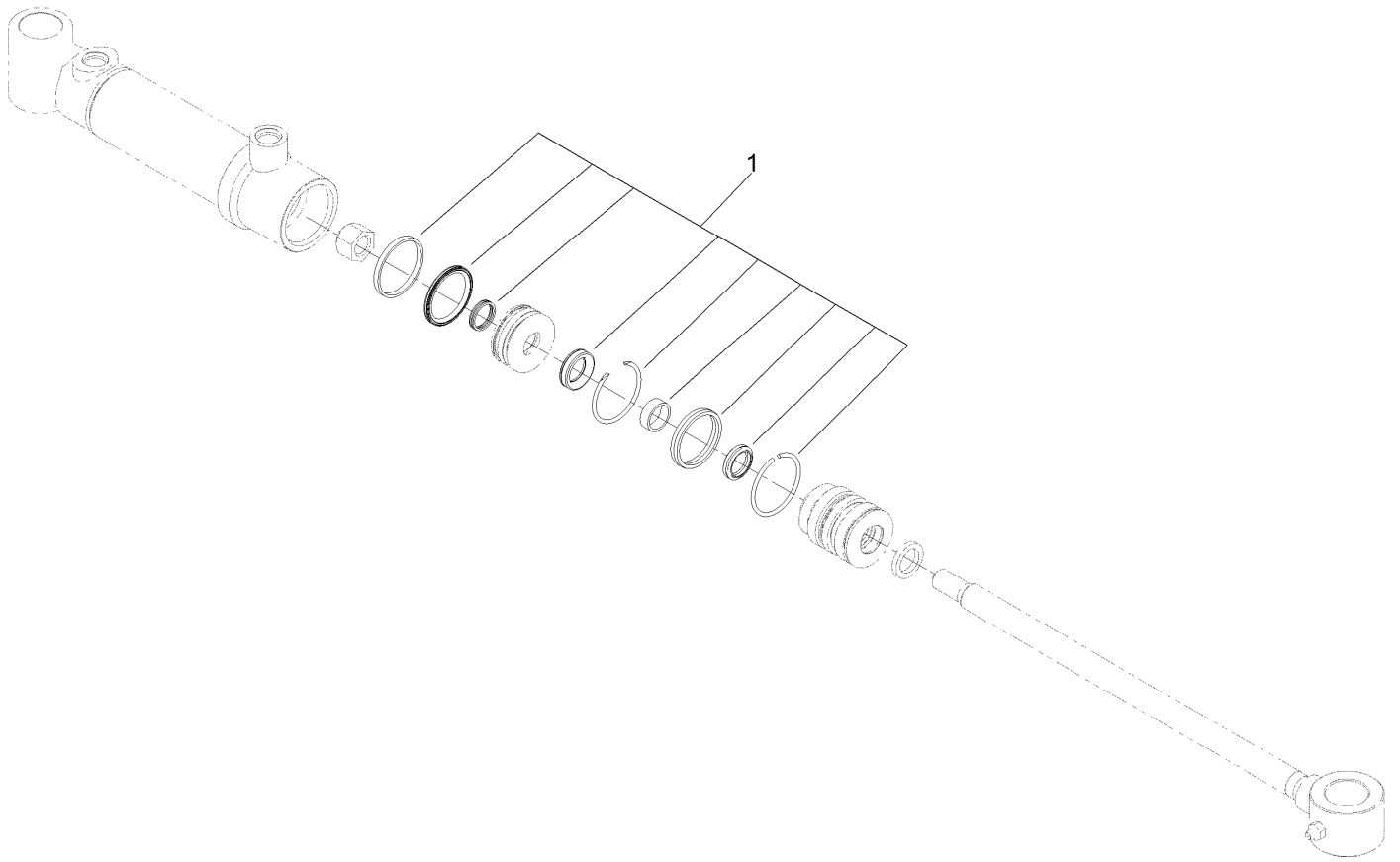
| Ref. | Part Number | Qty. | Description          | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------|------|-------------|------|----------------------------|
| 2    | 105-3992-03 | 1    | Bracket-Bulkhead     | 19:1 | 237-22      | 1    | O-Ring                     |
| 4    | 3234-17     | 4    | Screw-HHF            | 19:2 | 237-42      | 1    | O-Ring                     |
| 5    | 33025-00    | 2    | Nut-Lock, NI         | 20   | 92-7548     | 2    | Pin-Cylinder               |
| 6    | 32121-110   | 2    | Pin-Roll, Slotted    | 21   | 76-2980     | 2    | Washer-Thrust              |
| 7    | 95-7158     | 2    | Pin-Pivot            | 23   | 131-4201    | 2    | Pin-Pivot                  |
| 8    | 87-3470     | 2    | Bumper               | 24   | 323-7       | 2    | Screw-HH                   |
| 9    | 3-6781      | 2    | Washer-Flat          | 25   | 340-77      | 2    | Fitting-Elbow, 90 DEG      |
| 10   | 63-7400     | 2    | Washer-Rebound       | 25:1 | 237-22      | 1    | O-Ring                     |
| 11   | 105-9827    | 2    | Shaft                | 25:2 | 237-42      | 1    | O-Ring                     |
| 12   | 105-9202    | 1    | No. 2 Lift Arm ASM   | 26   | 323-4       | 2    | Screw-HH                   |
| 12:2 | 302-61      | 1    | Fitting-Grease       | 27   | 105-9839    | 2    | Stop-Rotation, No. 2 And 3 |
| 12:3 | 104-0015    | 2    | Bushing-Flange       | 28   | 3245-1      | 4    | Screw-Set, HSH             |
| 13   | 105-9203    | 1    | No. 3 Lift Arm ASM   | 29   | 131-7765-03 | 1    | Support-Bumper, Rear       |
| 13:2 | 302-61      | 1    | Fitting-Grease       | 30   | 3234-11     | 3    | Screw-HHF                  |
| 13:3 | 104-0015    | 2    | Bushing-Flange       | 31   | 104-8301    | 11   | Nut-HF, NI                 |
| 14   | 104-8300    | 4    | Nut-HF, NI           | 33   | 115-3453    | 2    | Carrier Frame ASM          |
| 15   | 32151-36    | 4    | Ring-Retaining       | 33:2 | 108-4000    | 2    | Bushing                    |
| 16   | 127-6428    | 2    | Lift Cylinder ASM    | 33:3 | 302-5       | 1    | Fitting-Grease             |
| 17   | 302-11      | 2    | Fitting-Lube, 45 DEG | 34   | 112-9900-03 | 2    | Guard-Foot                 |
| 18   | 3296-49     | 2    | Nut-Lock, NI         | 35   | 323-52      | 4    | Screw-HH                   |
| 19   | 340-2       | 2    | Fitting-Straight     | 36   | 93-8806     | 4    | Washer-Hardened            |



## No. 2 and 3 Lift Arm and Deck Assembly (continued)

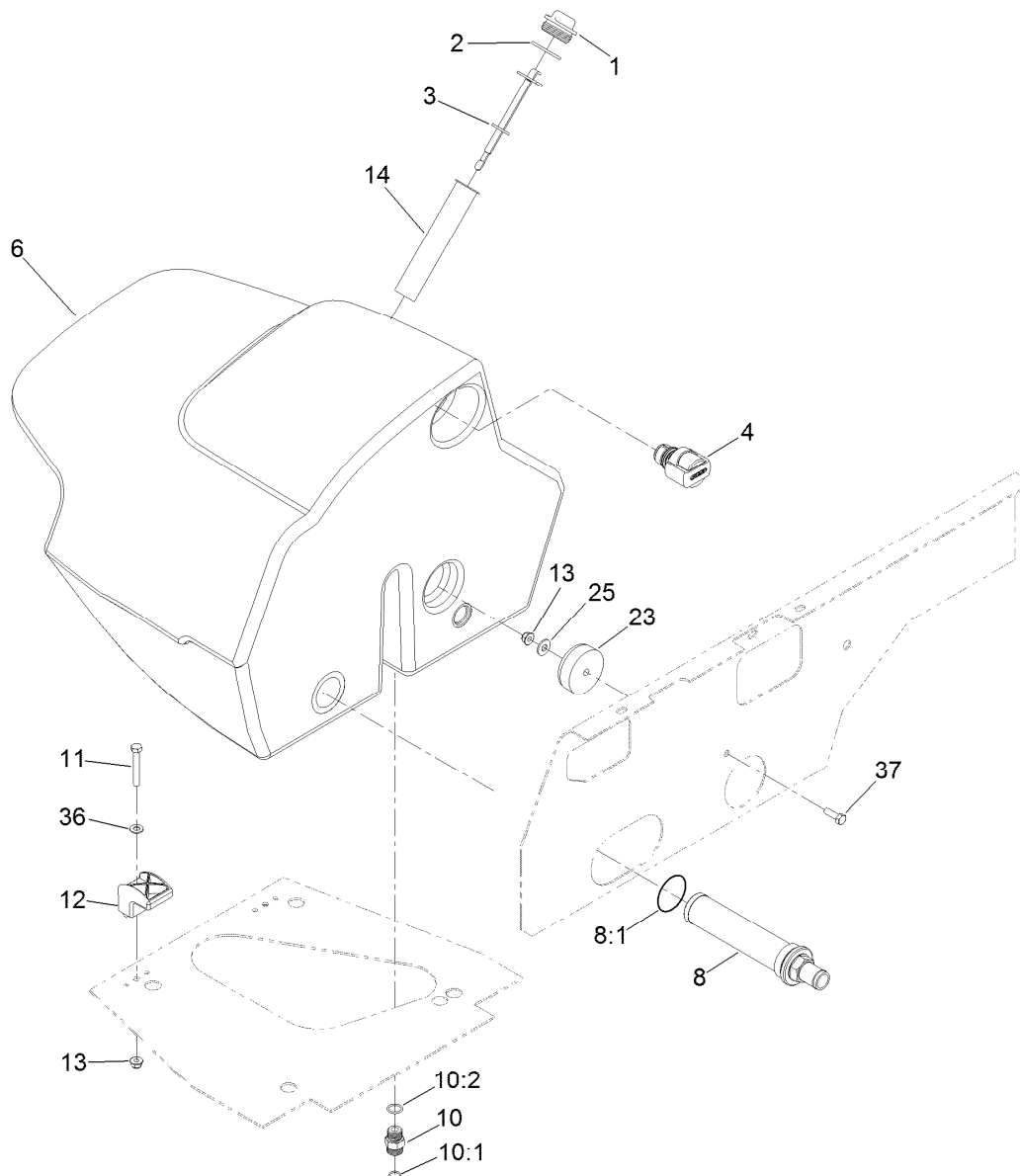
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 37   | 105-9823    | 4    | Bushing-Carrier |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 38   | 105-9822    | 4    | Spacer      |
| 39   | 323-11      | 4    | Screw-HH    |



## Lift Cylinder Assembly No. 127-6428

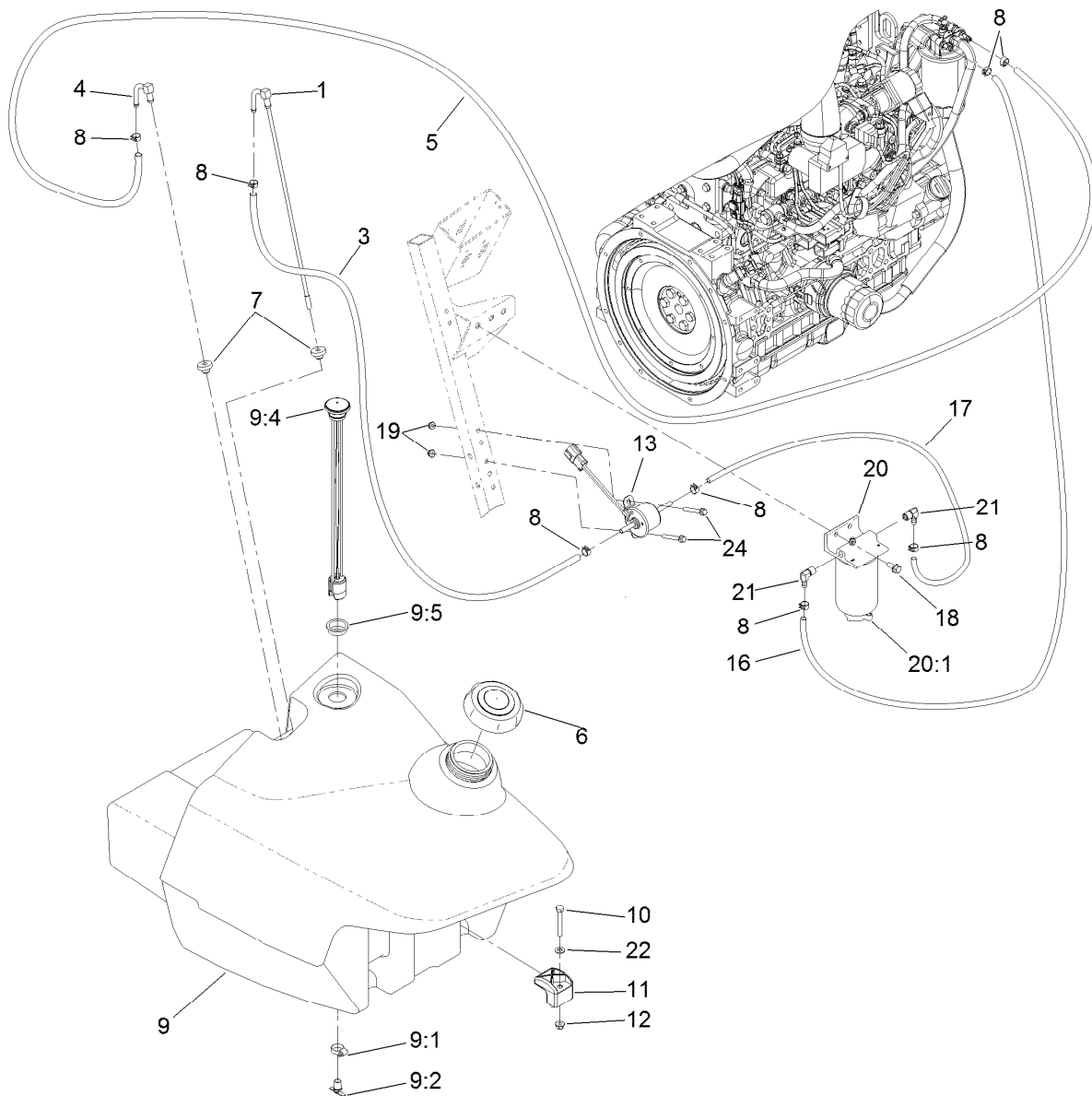
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-7755           | 1           | Cylinder Seal Kit  |



## Hydraulic Tank Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 93-7498     | 1    | Plug-Plastic      |
| 2    | 237-101     | 1    | O-Ring            |
| 3    | 119-6968    | 1    | Dipstick-Oil      |
| 4    | 115-9793    | 1    | Breather          |
| 6    | 119-0017    | 1    | Tank-HYD          |
| 8    | 104-7546    | 1    | Tank Strainer ASM |
| 8:1  | 340-136     | 1    | O-Ring            |
| 10   | 340-4       | 1    | Fitting-Straight  |
| 10:1 | 237-30      | 1    | O-Ring            |

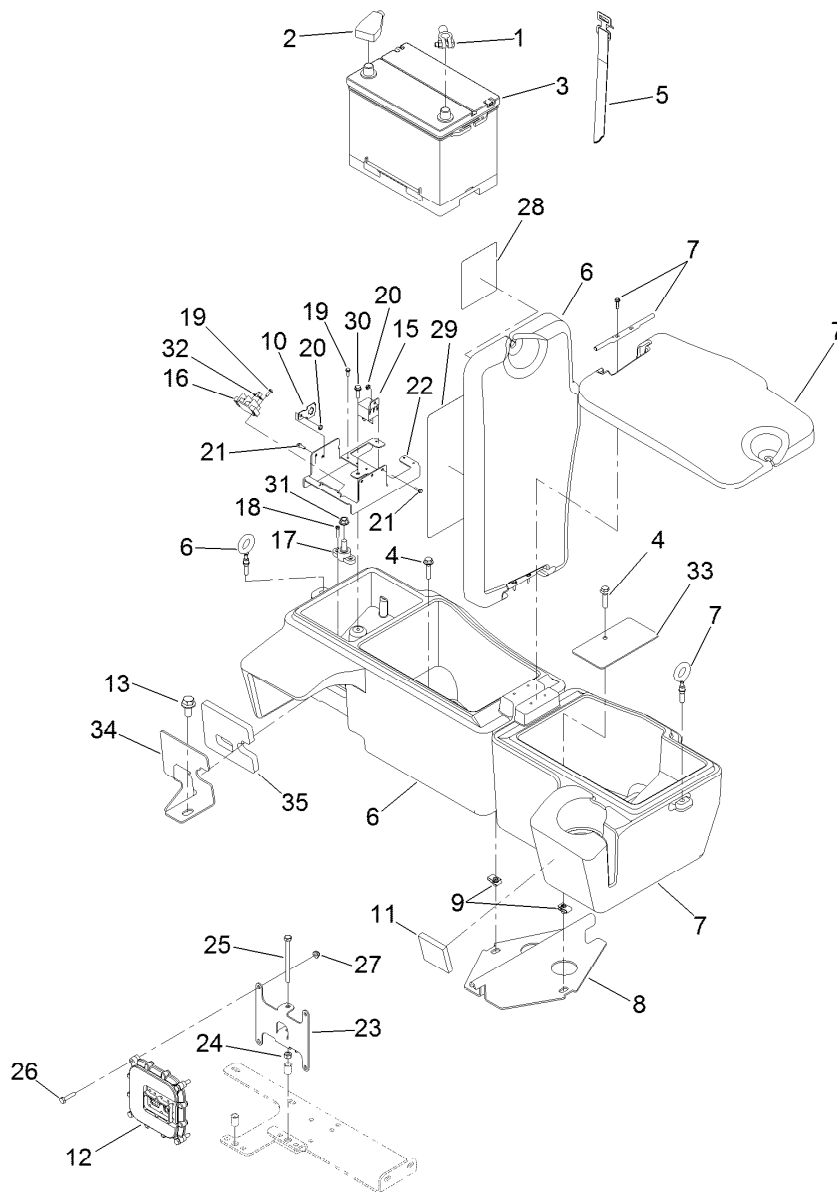
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10:2 | 237-79      | 1    | O-Ring        |
| 11   | 322-11      | 2    | Screw-HH      |
| 12   | 107-4543    | 2    | Clamp         |
| 13   | 104-8300    | 3    | Nut-HF, NI    |
| 14   | 61-2790     | 1    | Filter-Screen |
| 23   | 108-1605    | 1    | Bumper-Recess |
| 25   | 3256-3      | 1    | Washer-Flat   |
| 36   | 3256-23     | 2    | Washer-Plain  |
| 37   | 322-5       | 1    | Screw-HH      |



## Fuel System Assembly

| Ref. | Part Number | Qty. | Description                        |
|------|-------------|------|------------------------------------|
| 1    | 115-4354    | 1    | Tube-Suction, Fuel                 |
| 3    | 110-8802    | 1    | Hose-Fuel                          |
| 4    | 121-3127    | 1    | Fitting-Return                     |
| 5    | 119-0577    | 1    | Hose-Fuel                          |
| 6    | 125-9172    | 1    | Cap-Fuel, Diesel, Ultra Low Sulfur |
| 7    | 46-6560     | 2    | Bushing                            |
| 8    | 92-2379     | 8    | 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    | Gauge-Fuel                         |
| 9:5  | 95-8972     | 1    | Grommet                            |

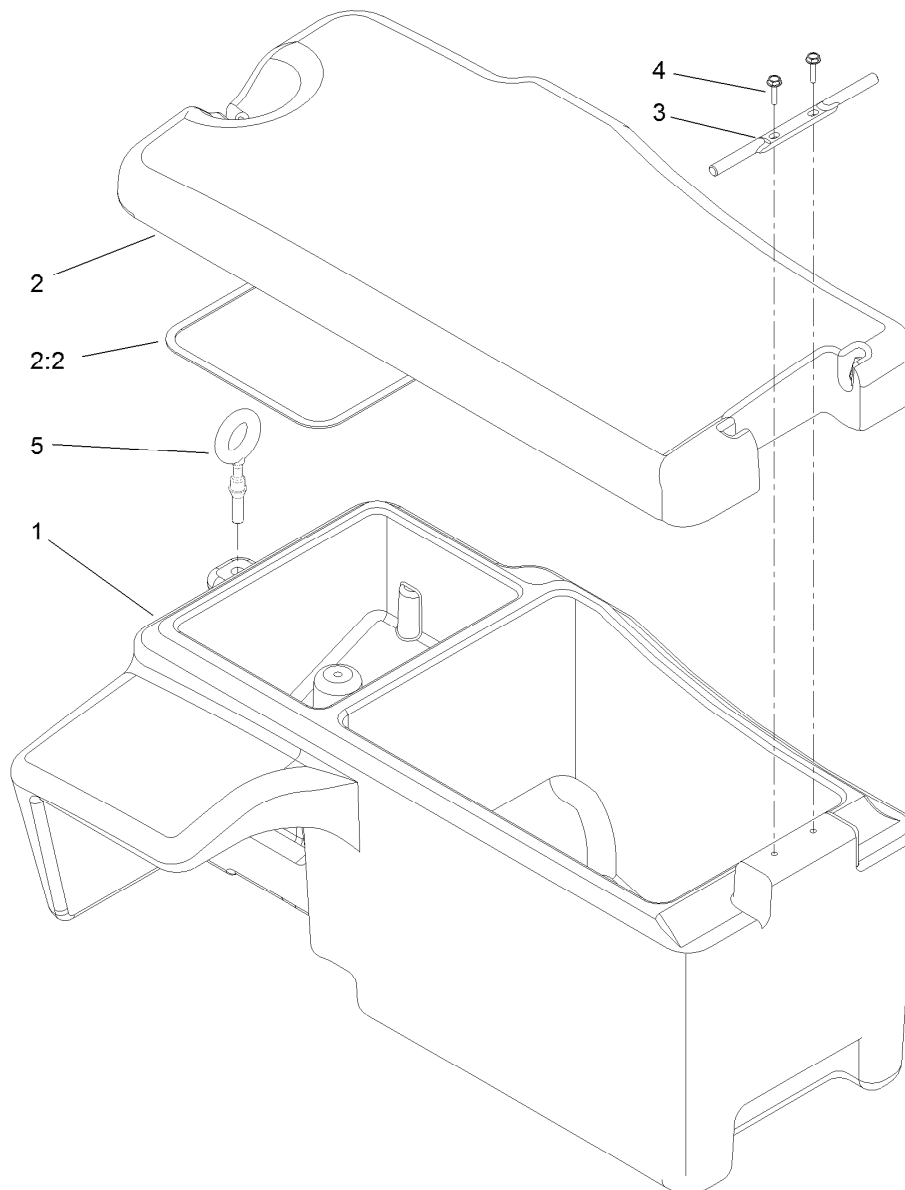
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 10   | 322-11      | 2    | Screw-HH                    |
| 11   | 107-4543    | 2    | Clamp                       |
| 12   | 104-8300    | 2    | Nut-HF, NI                  |
| 13   | 121-5613    | 1    | Pump-Fuel, Electric         |
| 16   | 109-0308    | 1    | Hose-Fuel                   |
| 17   | 110-4113    | 1    | Hose-Fuel                   |
| 18   | 3234-5      | 2    | Screw-HHF                   |
| 19   | 104-7201    | 2    | Nut-HF, NI                  |
| 20   | 125-2914    | 1    | Filter-Separator            |
| 20:1 | 125-2915    | 1    | Filter-Fuel/Water Separator |
| 21   | 353-781     | 2    | Fitting-HYD, 90             |
| 22   | 3256-23     | 2    | Washer-Plain                |
| 24   | 3234-34     | 2    | Screw-HHF                   |



## Battery and Controller Assembly

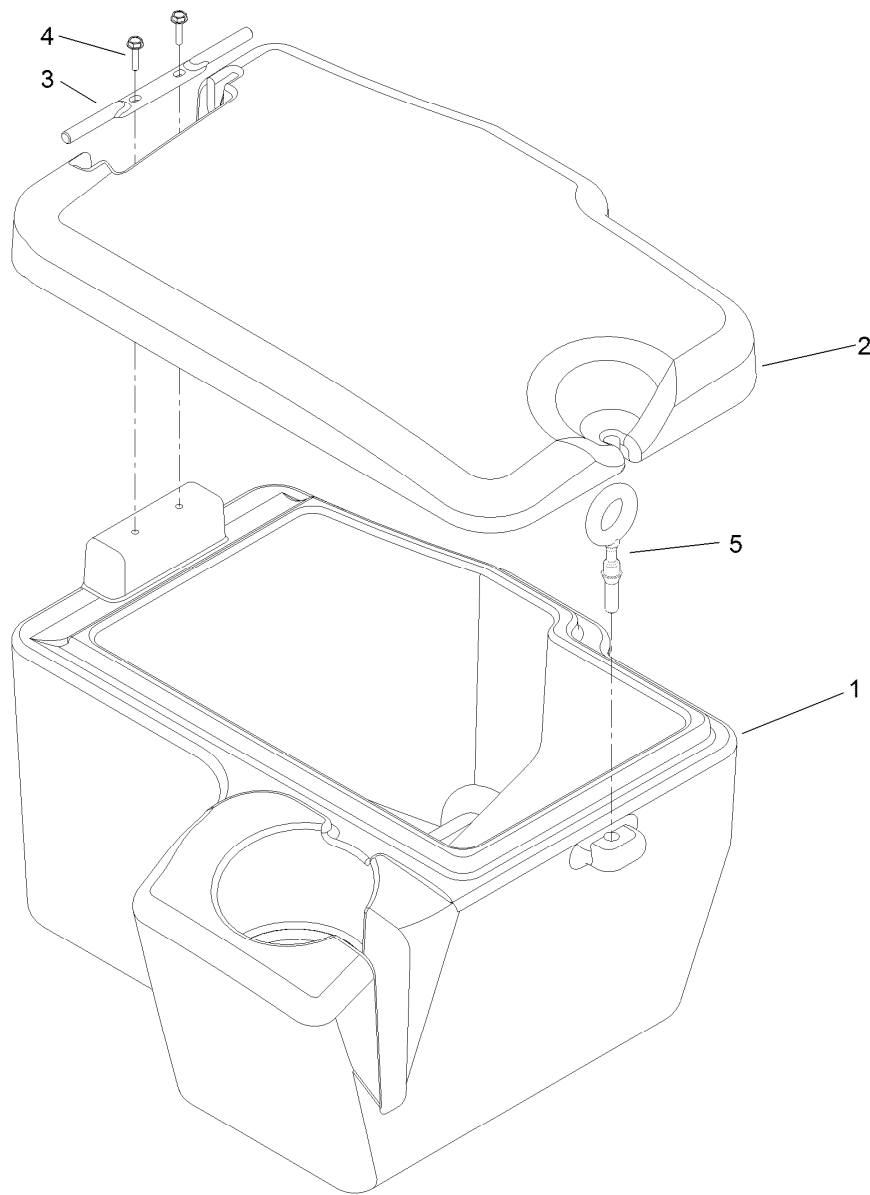
| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 1    | 117-2377    | 1    | Cable-Battery, Negative          |
| 2    | 121-6589    | 1    | Cable-Battery, Positive          |
| 3    | 106-5190    | 1    | Battery, 660 CCA W/O Electrolyte |
| 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   | 114-5502    | 1    | Clip-Fuse                        |
| 11   | 117-4783    | 2    | Seal-Foam                        |
| 12   | 114-3321    | 1    | Controller-Tec                   |
| 13   | 3234-6      | 1    | Screw-HHF                        |
| 15   | 99-7435     | 2    | Relay                            |
| 16   | 42862       | 1    | Block-Terminal, Ground           |
| 17   | 110-8822    | 1    | Block-Junction                   |
| 18   | 93-0231     | 2    | Screw-PPH                        |

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 19   | 32144-87    | 6    | Screw-HWHTF               |
| 20   | 3296-54     | 4    | Nut-Lock                  |
| 21   | 112-3169    | 4    | Screw-HHF, Serrated       |
| 22   | 115-4356-03 | 1    | Mount-Fuse Block          |
| 23   | 117-2360-03 | 1    | Bracket-Mount, Controller |
| 24   | 3217-6      | 1    | Nut-Hex                   |
| 25   | 322-19      | 1    | Screw-HH                  |
| 26   | 321-8       | 4    | Screw-HH                  |
| 27   | 104-7201    | 4    | Nut-HF, NI                |
| 28   | 125-4605    | 1    | Decal-Fuse                |
| 29   | 138-6978    | 1    | Decal-Service, Gm45/4700  |
| 30   | 46-8091     | 1    | Screw-HWH                 |
| 31   | 3290-357    | 1    | Nut-HSF                   |
| 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          |



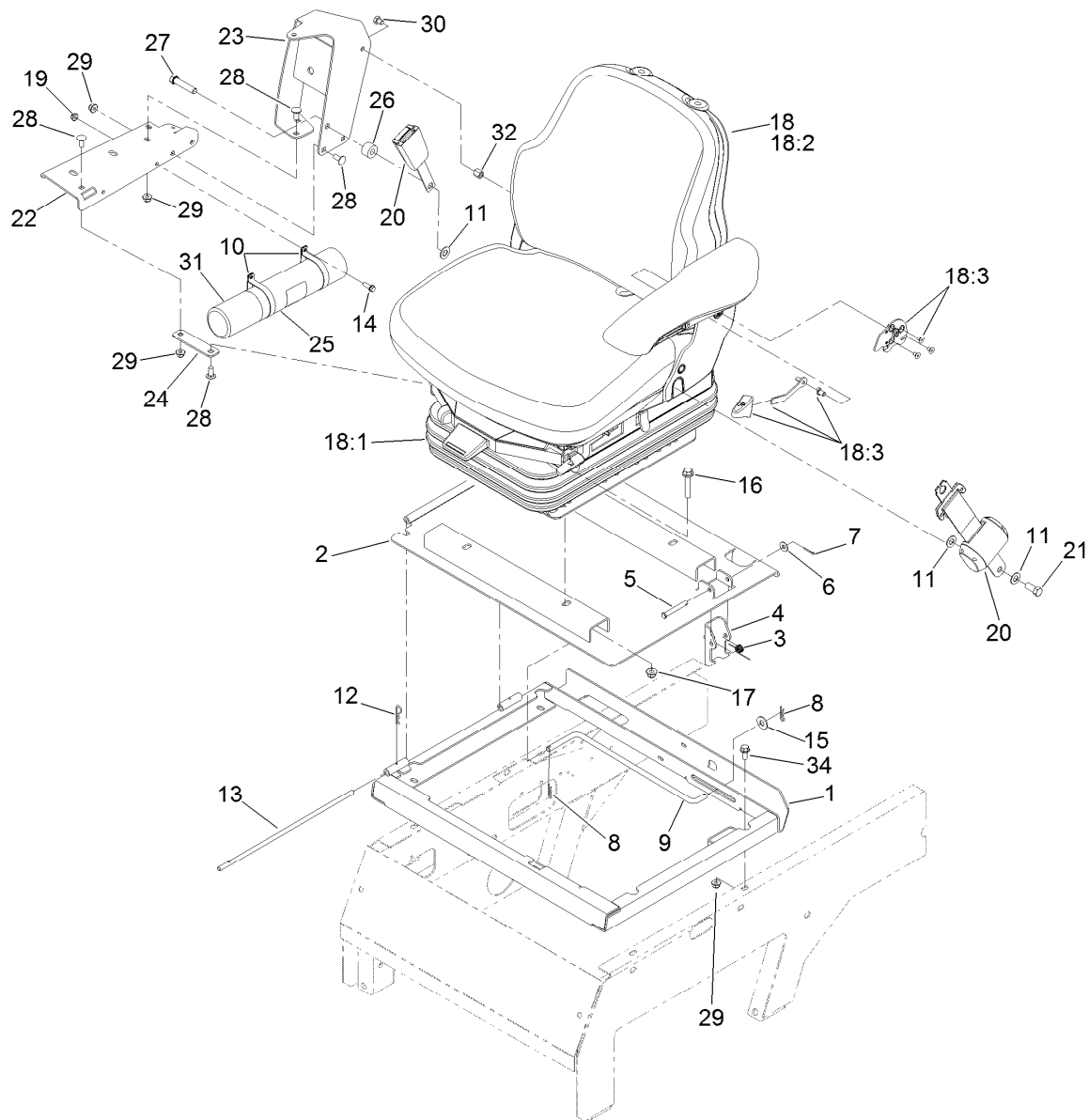
## Battery Storage Box Assembly No. 115-9100

| <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

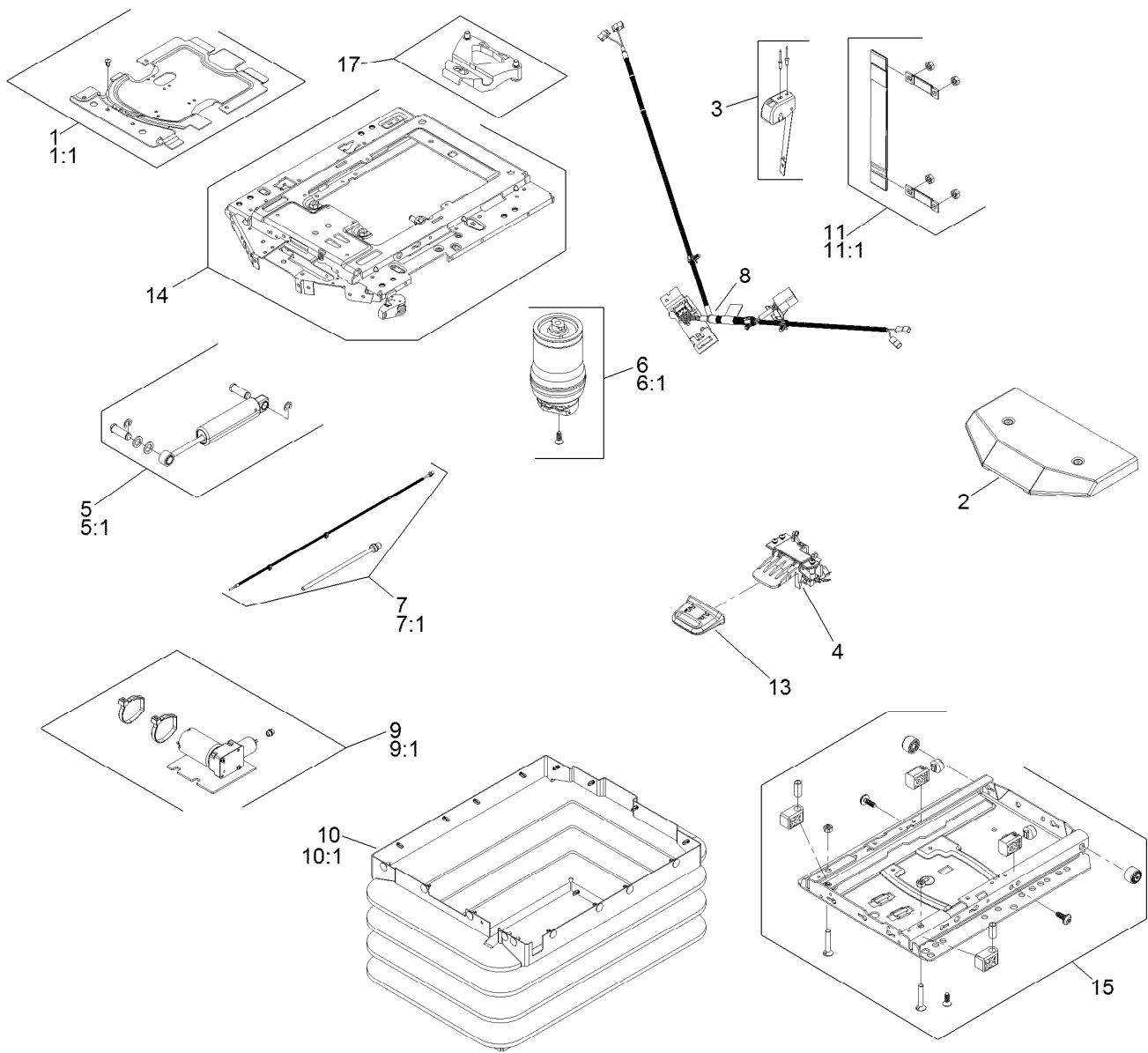
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 114-8123    | 1    | Box-Storage, LH       |
| 2    | 114-8125    | 1    | Cover-Storage Box, LH |
| 3    | 114-8132    | 1    | Hinge-Cover           |
| 4    | 98-1375     | 2    | Screw-HWH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



## Seat Mounting Assembly

| Ref. | Part Number | Qty. | Description             | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|-------------------------|------|-------------|------|--------------------------|
| 1    | 115-4400-03 | 1    | Frame-Seat              | 18:1 | 130-2702    | 1    | Air Ride Seat Suspension |
| 2    | 115-4411-03 | 1    | Plate-Seat              | 18:2 | 117-5676    | 1    | Premium Seat ASM         |
| 3    | 104-4821    | 1    | Spring-Torsion          | 18:3 | 132-1304    | 1    | Backrest Adjustment Kit  |
| 4    | 115-4423-03 | 1    | Latch-Seat Plate        | 19   | 104-7201    | 2    | Nut-HF, NI               |
| 5    | 110-0618    | 1    | Pin-Clevis              | 20   | 110-0413    | 1    | Seatbelt-Retractable     |
| 6    | 3256-2      | 1    | Washer-Flat             | 21   | 3212-4      | 1    | Screw-HH                 |
| 7    | 3272-6      | 1    | Pin-Cotter              | 22   | 119-0000-03 | 1    | Channel-Support          |
| 8    | 3290-307    | 4    | Pin-Cotter              | 23   | 117-4798-03 | 1    | Arm-Support              |
| 9    | 117-4797-03 | 2    | Rod-Seat Frame          | 24   | 112-7449-03 | 1    | Bracket-Support          |
| 10   | 107-1865    | 2    | R-Clamp                 | 25   | 104-7050    | 1    | Tube-Manual              |
| 11   | 3256-25     | 3    | Washer-Flat             | 26   | 17-7190     | 1    | Spacer-Finger            |
| 12   | 3290-467    | 1    | Pin-Hair                | 27   | 3212-8      | 1    | Screw-HH                 |
| 13   | 75-3400     | 1    | Shaft-Pivot, Seat       | 28   | 3230-23     | 6    | Bolt-CARR                |
| 14   | 32105-15    | 2    | Screw-HWH               | 29   | 104-8300    | 9    | Nut-HF, NI               |
| 15   | 3256-4      | 2    | Washer-Flat             | 30   | 108-8646    | 1    | Screw-HH, Lock           |
| 16   | 66-9302     | 4    | Screw-HHF Lock          | 31   | 104-7048    | 1    | Cap-Housing              |
| 17   | 104-8301    | 4    | Nut-HF, NI              | 32   | 112-7405    | 1    | Nut-Hex, Coupling        |
| 18   |             | 1    | Seat And Suspension ASM | 34   | 3234-47     | 4    | Screw-HHF                |

● Not serviced separately

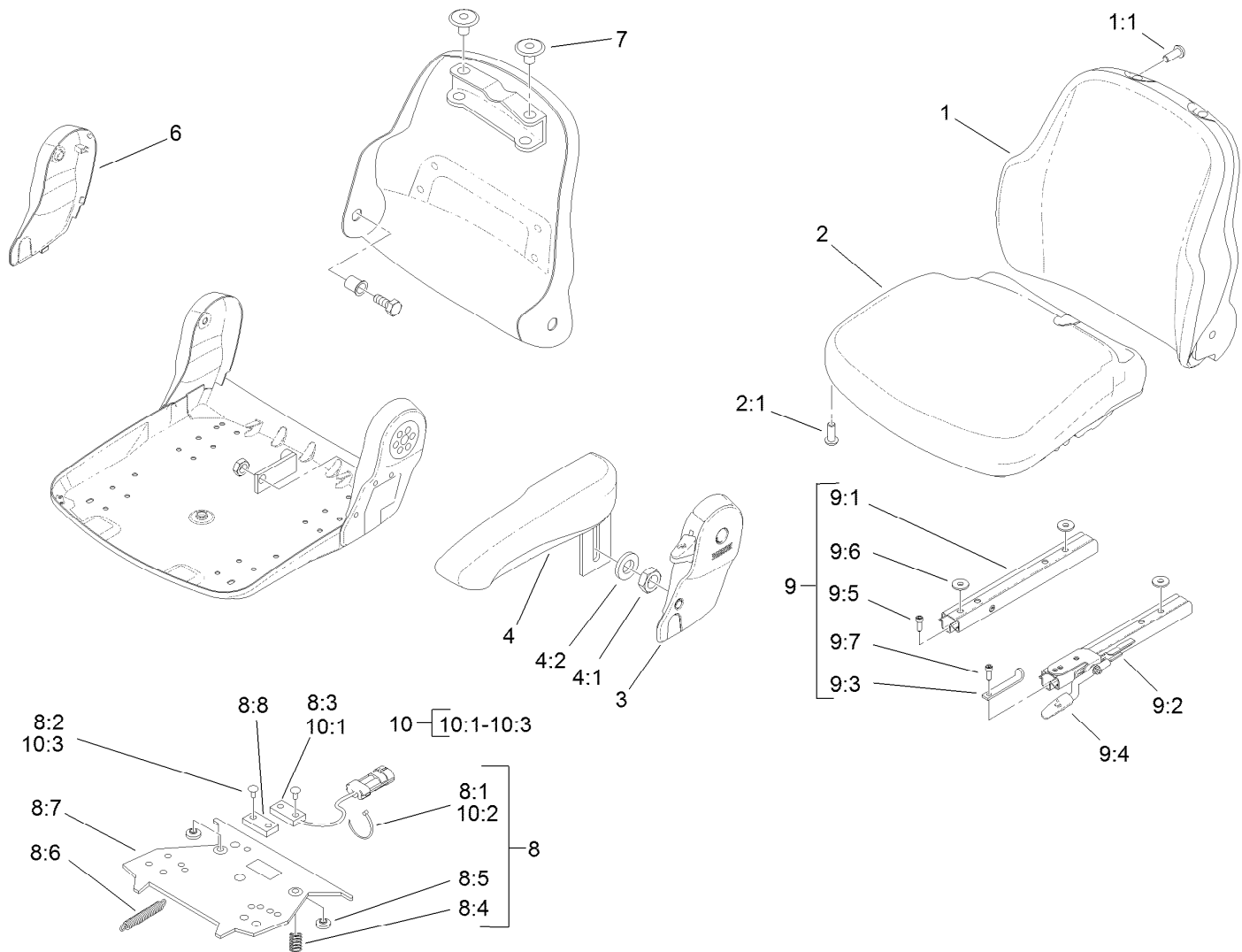


## Air Ride Seat Suspension Assembly No. 130-2702

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 130-2709    | 1    | Cover ASM          |
| 1:1  | 130-2710    | 1    | Cover Kit          |
| 2    | 108-8027    | 1    | Cover              |
| 3    | 130-2711    | 1    | Control-Level      |
| 4    | 108-8029    | 1    | Valve-Control, Air |
| 5    | 130-2712    | 1    | Shock Absorber ASM |
| 5:1  | 130-2713    | 1    | Shock Absorber Kit |
| 6    | 130-2714    | 1    | Air Spring ASM     |
| 6:1  | 130-2715    | 1    | Air Spring Kit     |
| 7    | 130-2716    | 1    | Air Tube ASM       |
| 7:1  | 130-2717    | 1    | Air Tube Kit       |
| 8    | 130-2718    | 1    | Harness-Wire       |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 9    | 130-2719    | 1    | Compressor              |
| 9:1  | 130-2720    | 1    | Compressor Kit          |
| 10   | 130-2721    | 1    | Bellows ASM             |
| 10:1 | 130-2722    | 1    | Bellows Kit             |
| 11   | 130-2723    | 1    | Tether                  |
| 11:1 | 130-2724    | 1    | Tether Kit              |
| 12   | 130-2725    | 1    | Wear Parts Kit ●        |
| 13   | 130-2726    | 1    | Handle                  |
| 14   | 130-2727    | 1    | Upper Suspension Kit    |
| 15   | 130-2728    | 1    | Lower Suspension Kit    |
| 16   | 130-2729    | 1    | Adjuster Mounting Kit ● |
| 17   | 130-2730    | 1    | Limiter-Thrust          |

● Not illustrated

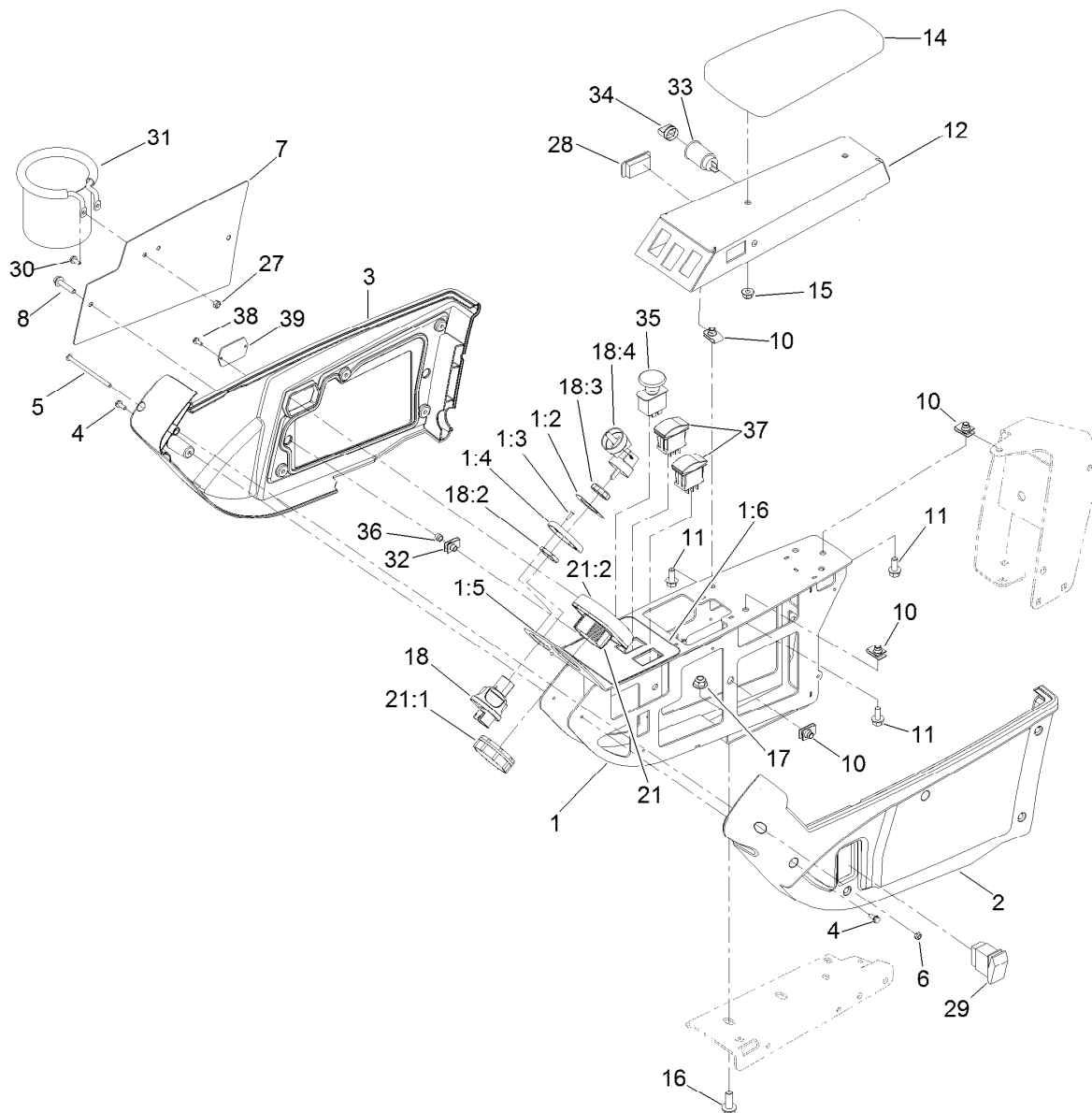


## Vinyl Premium Seat Assembly No. 117-5676

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 108-8016    | 1    | Backrest Cushion ASM    |
| 1:1  | 119-7742    | 4    | Screw-Cushion           |
| 2    | 108-8017    | 1    | Seat Cushion ASM        |
| 2:1  | 119-7742    | 3    | Screw-Cushion           |
| 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    | Sensor-Seat Switch ●    |
| 8:4  |             | 2    | Spring-Compression ●    |
| 8:5  |             | 2    | Bumper-Pressure Plate ● |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 8:6  |             | 1    | Spring-Extension ●    |
| 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 ●               |

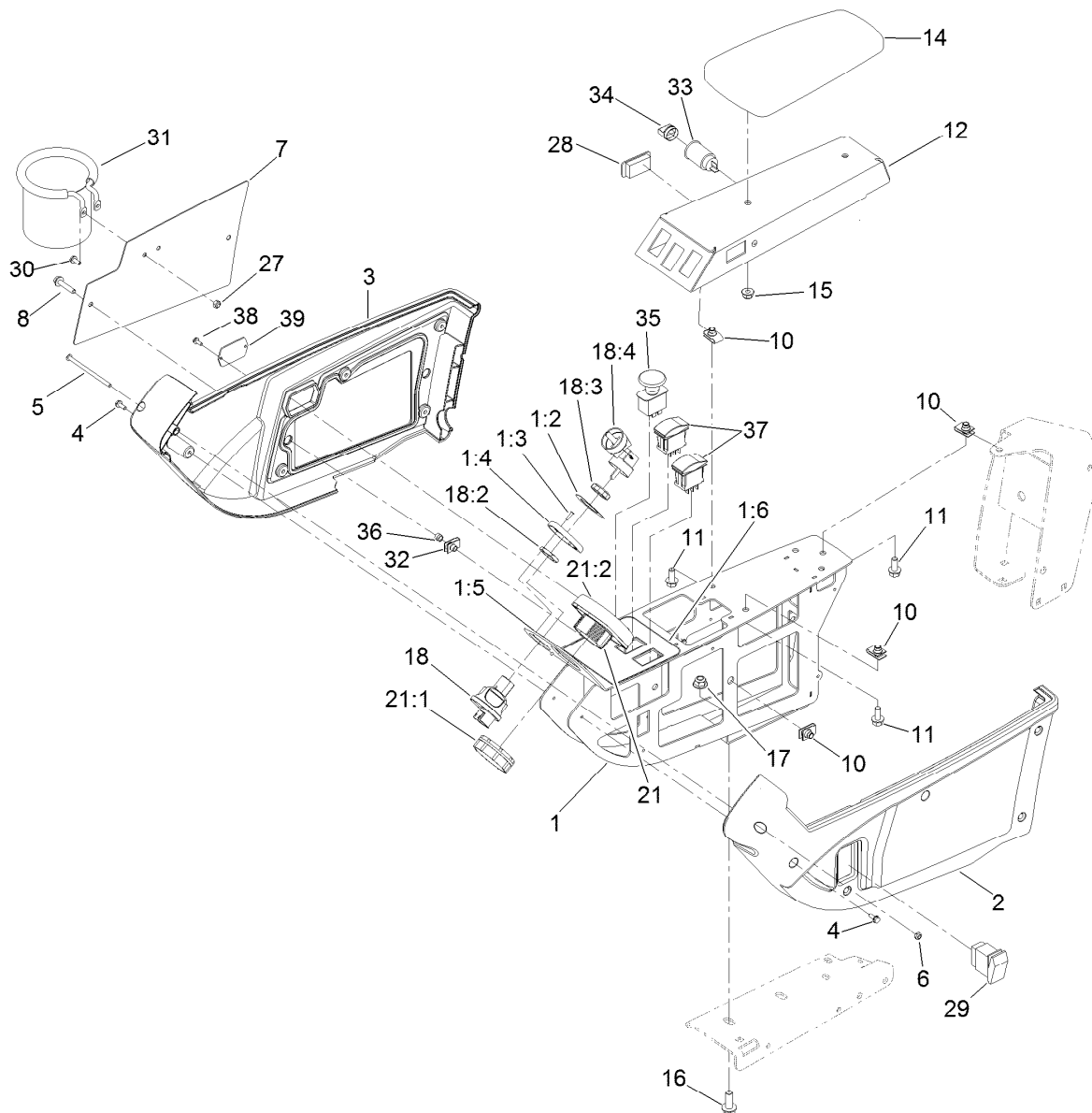
● Not serviced separately



## Console Assembly

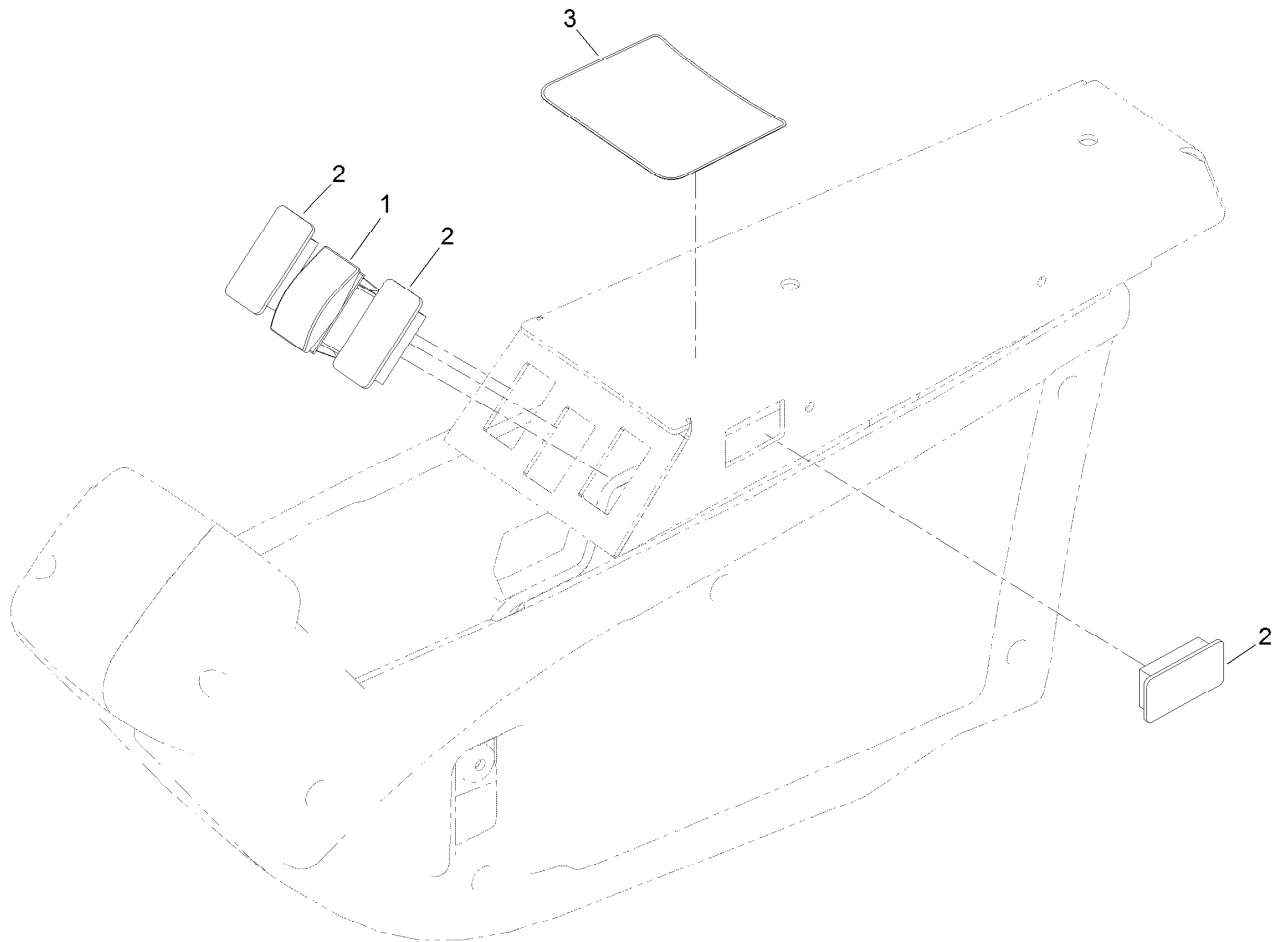
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 120-4155    | 1    | Panel ASM              |
| 1:2  | 121-3884    | 1    | Decal-Console, Upper   |
| 1:3  | 3269-17     | 2    | Rivet-Pop              |
| 1:4  | 121-3889    | 1    | Step-Elevated, Switch  |
| 1:5  | 121-3887    | 1    | Decal-Console, Display |
| 1:6  | 120-4159    | 1    | Decal-Console, Lower   |
| 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     | 1    | Nut-Lock, NI           |
| 7    | 115-8849-03 | 1    | Plate-Cover            |
| 8    | 3234-21     | 2    | Screw-HHF              |
| 10   | 94-2413     | 5    | Nut-U                  |
| 11   | 3234-5      | 5    | Screw-HHF              |
| 12   | 125-4646-03 | 1    | Panel-Control          |
| 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   | 121-5159    | 1    | Switch-Ignition        |

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 18:2 | 121-5160    | 1    | Nut-Hex                      |
| 18:3 | 121-5161    | 1    | Nut-Face                     |
| 18:4 | 121-5162    | 1    | Set-Key, Ignition            |
| 21   | 120-6310    | 1    | LCD Display ASM Kantrak 1700 |
| 21:1 | 120-4630    | 1    | Nut-Display                  |
| 21:2 | 120-6311    | 1    | Decal-Display                |
| 27   | 3296-2      | 2    | Nut-Lock, NI                 |
| 28   | 114-3329    | 1    | Switch-Rocker                |
| 29   | 95-8999     | 1    | Switch-Rocker, On-None-On    |
| 30   | 3290-321    | 2    | Screw-HWH                    |
| 31   | 117-2378    | 1    | Holder-Bag                   |
| 32   | 107069      | 2    | Clip                         |
| 33   | 99-7411     | 1    | Point-Power                  |
| 34   | 99-7416     | 1    | Cap                          |
| 35   | 93-9999     | 1    | Switch-PTO                   |
| 36   | 110-0542    | 2    | Spacer-Flange                |
| 37   | 100-1535    | 2    | Switch-Rocker, (On)-Off-(On) |



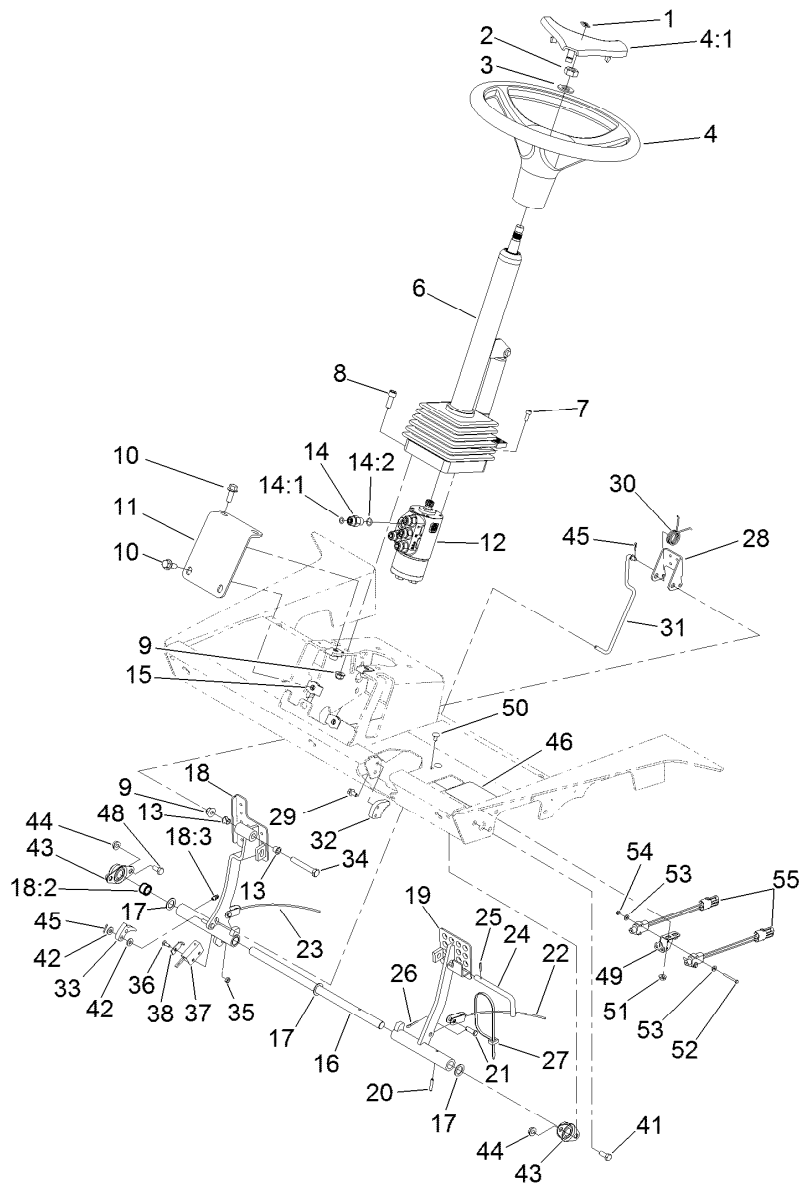
## Console Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 38   | 32144-18    | 2    | Screw-HWH   |
| 39   | 121-1630    | 1    | Plate-Cover |



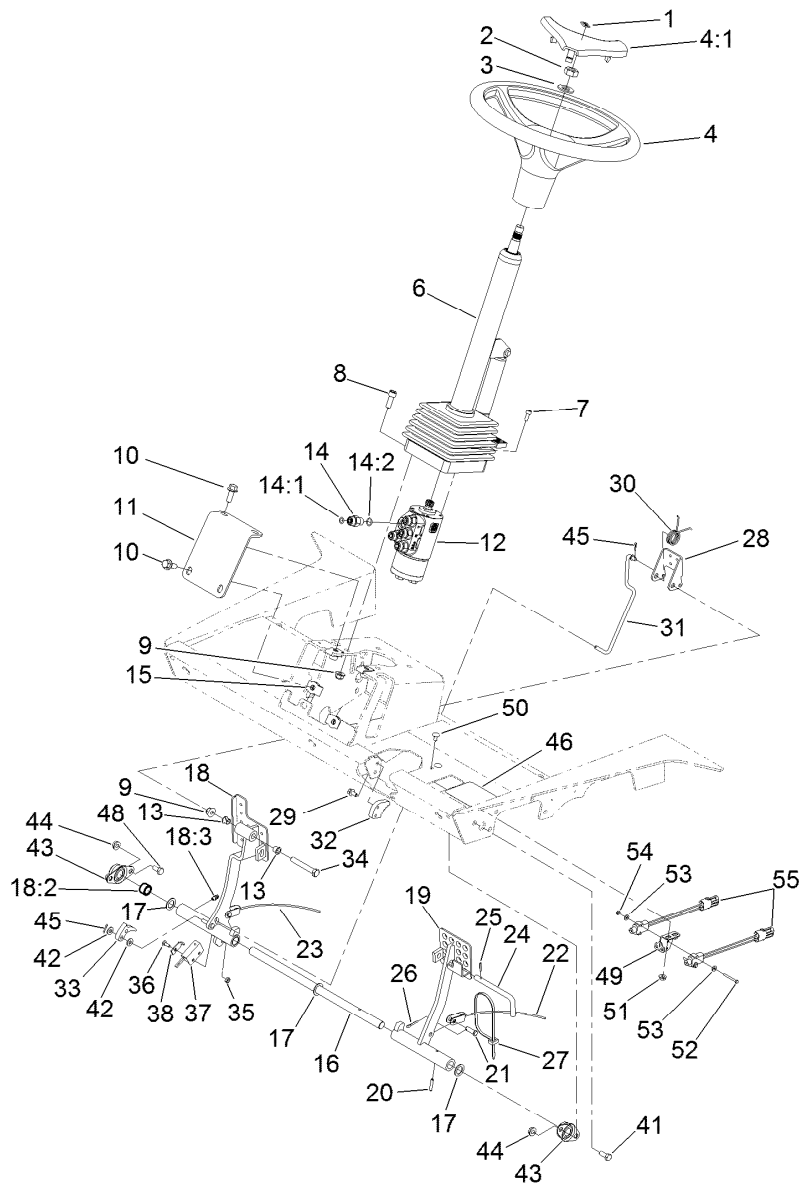
## Console, Switch, Cover and Decal Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|------------------------------|
| 1           | 100-1535           | 1           | Switch-Rocker, (On)-Off-(On) |
| 2           | 99-7420            | 3           | Plug-Hole                    |
| 3           | 136-2931           | 1           | Decal-Lift                   |



## Steering and Brake Assembly

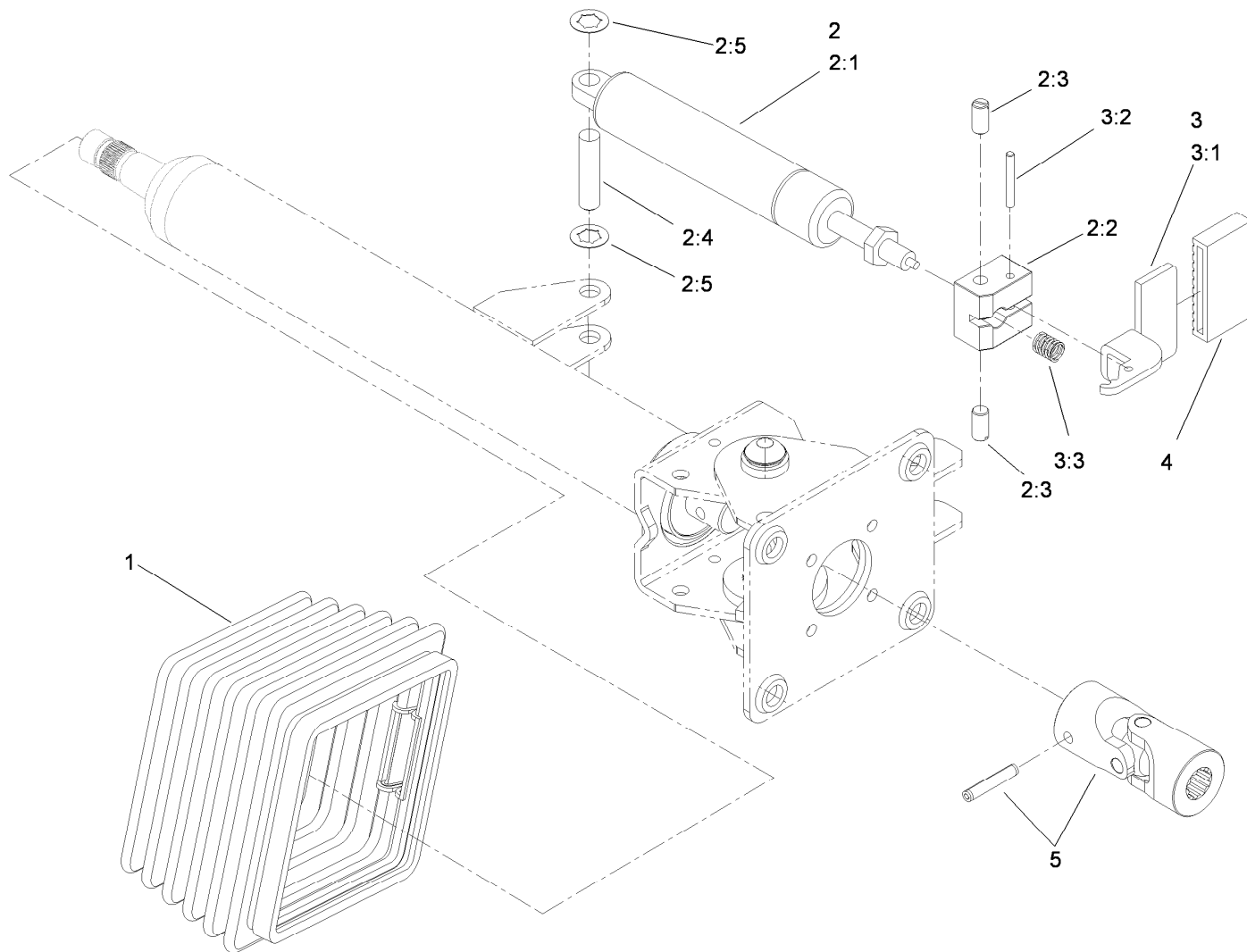
| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description           |
|------|-------------|------|--------------------------|------|-------------|------|-----------------------|
| 1    | 98-1459     | 1    | Decal                    | 18:3 | 302-5       | 1    | Fitting-Grease        |
| 2    | 3296-33     | 1    | Nut-Lock, NI             | 19   | 136-2887-03 | 1    | Pedal-Brake, LH       |
| 3    | 3256-27     | 1    | Washer-Flat              | 20   | 32121-16    | 1    | Pin-Spring            |
| 4    | 98-1471     | 1    | Wheel-Steering           | 21   | 283-58      | 2    | Pin-Clevis            |
| 4:1  | 98-1468     | 1    | Cover-Wheel, Steering    | 22   | 92-7530     | 1    | Cable-Brake, LH       |
| 6    | 106-3622    | 1    | Steering Tilt Column ASM | 23   | 92-7529     | 1    | Cable-Brake, RH       |
| 7    | 105-2409    | 4    | Screw-HSH                | 24   | 63-7880     | 1    | Pin-Latch, Brake      |
| 8    | 3274-7      | 4    | Screw-HSH                | 25   | 32121-50    | 1    | Pin-Spring            |
| 9    | 104-8301    | 5    | Nut-HF, NI               | 26   | 3272-10     | 2    | Pin-Cotter            |
| 10   | 3234-11     | 4    | Screw-HHF                | 27   | 3290-378    | 1    | Tie-Cable             |
| 11   | 115-4379-01 | 1    | Brace-Column             | 28   | 99-7963-03  | 1    | Pedal-Park            |
| 12   | 114-8119    | 1    | Steering Valve ASM       | 29   | 3234-13     | 2    | Screw-HHF             |
| 13   | 52-2891     | 2    | Bushing-Flanged, Nylon   | 30   | 99-7140     | 1    | Spring-Torsion        |
| 14   | 340-2       | 5    | Fitting-Straight         | 31   | 115-4417    | 1    | Rod-Brake Pawl        |
| 14:1 | 237-22      | 1    | O-Ring                   | 32   | 119-0002    | 1    | Pawl-Brake            |
| 14:2 | 237-42      | 1    | O-Ring                   | 33   | 120-1691    | 1    | Detent-Brake          |
| 15   | 105-4886    | 4    | Nut-Tinnerman            | 34   | 323-12      | 1    | Screw-HH              |
| 16   | 75-1470     | 1    | Pin-Pivot, Brake         | 35   | 3296-2      | 1    | Nut-Lock, NI          |
| 17   | 3256-69     | 3    | Washer-Flat              | 36   | 3229-34     | 1    | Screw-CARR            |
| 18   | 136-2889    | 1    | Pedal-Brake, RH          | 37   | 100-1270    | 1    | Switch-Proximity      |
| 18:2 | 256-42      | 2    | Bushing                  | 38   | 100-4872    | 1    | Plate-Switch, Neutral |



## Steering and Brake Assembly (continued)

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 41   | 322-3       | 1    | Screw-HH              |
| 42   | 3256-22     | 3    | Washer-Flat           |
| 43   | 256-236     | 2    | Bearing-Mount, Flange |
| 44   | 32128-20    | 3    | Nut-HF                |
| 45   | 3272-5      | 3    | Pin-Cotter            |
| 46   | 117-4763    | 1    | Decal-Brake           |
| 48   | 322-2       | 2    | Screw-HH              |

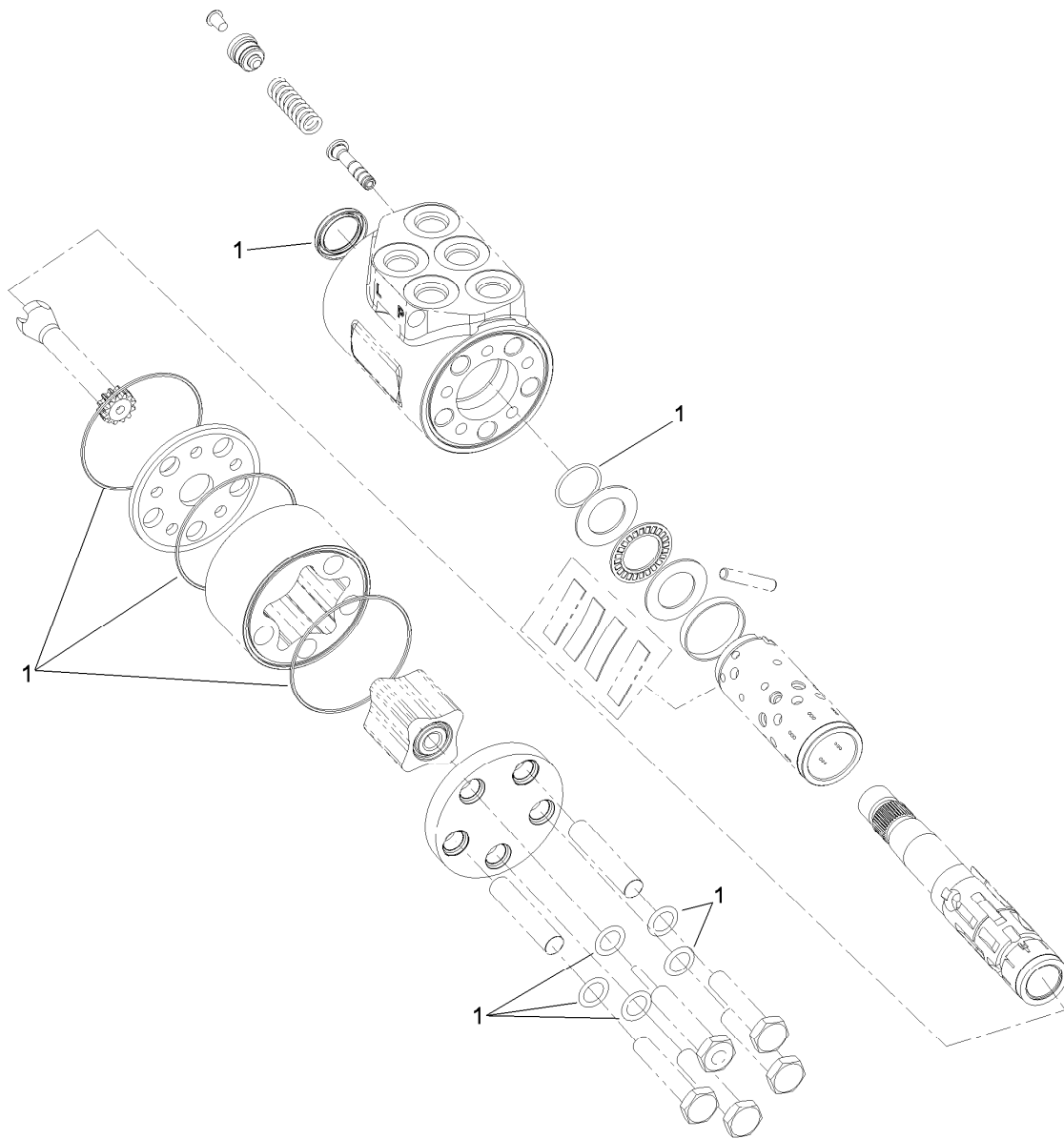
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 49   | 131-7842    | 1    | Plate-Bent, Bracket |
| 50   | 116-5611    | 2    | Bolt-Carriage       |
| 51   | 32128-33    | 2    | Nut-HF              |
| 52   | 32105-21    | 2    | Screw-HH            |
| 53   | 3256-21     | 4    | Washer-Flat         |
| 54   | 3296-9      | 2    | Nut-Hex             |
| 55   | 99-3410     | 2    | Switch              |



## Steering Tilt Column Assembly No. 106-3622

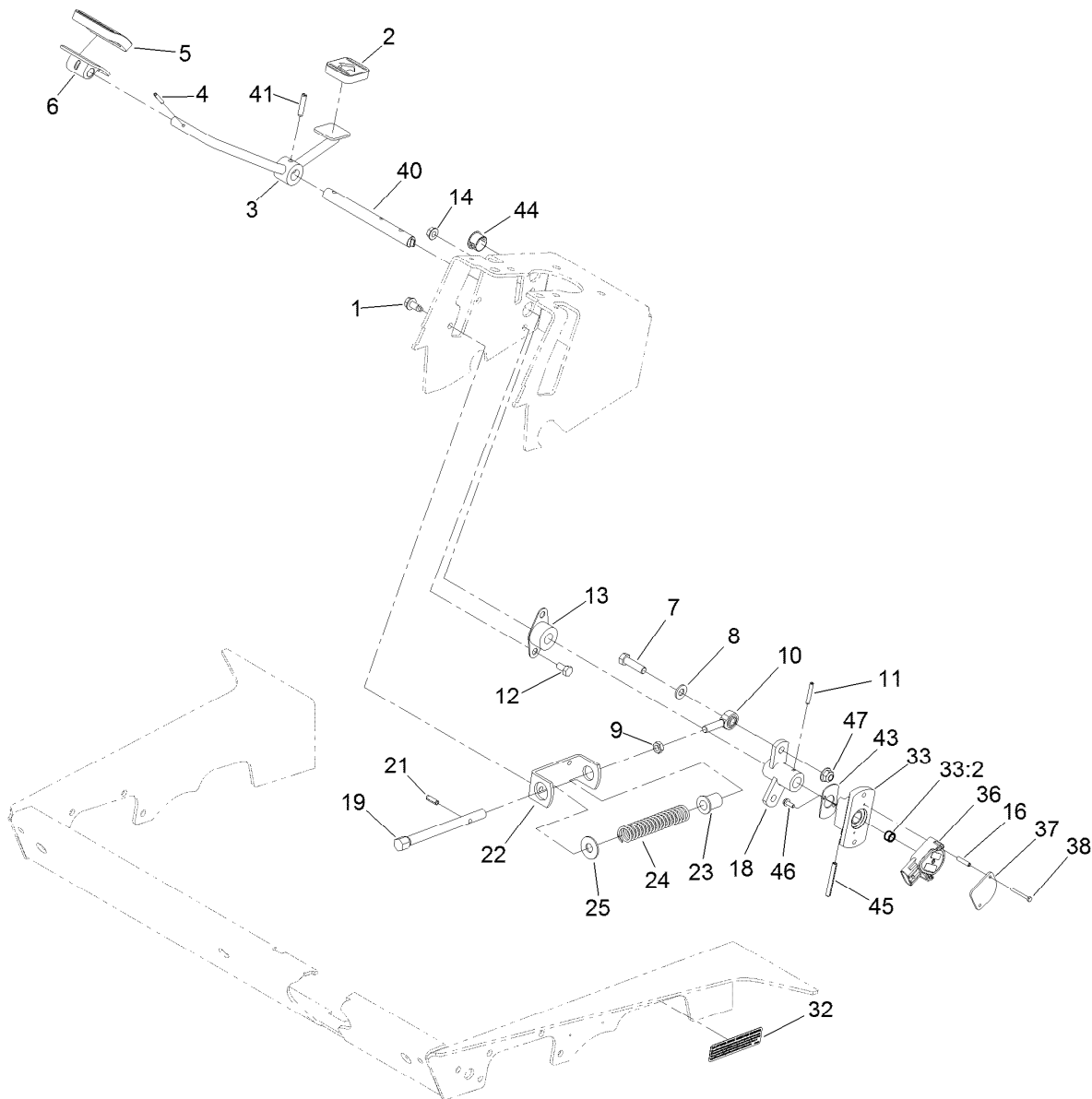
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-6462    | 1    | Bellows-Rubber       |
| 2    | 110-6463    | 1    | Cylinder Service Kit |
| 2:1  |             | 1    | Cylinder-Gas ●       |
| 2:2  |             | 1    | Block-Pedal ●        |
| 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          |
| 5    | 120-6256    | 1    | Universal Joint Kit  |

● Not serviced separately



## Steering Valve Assembly No. 114-8119

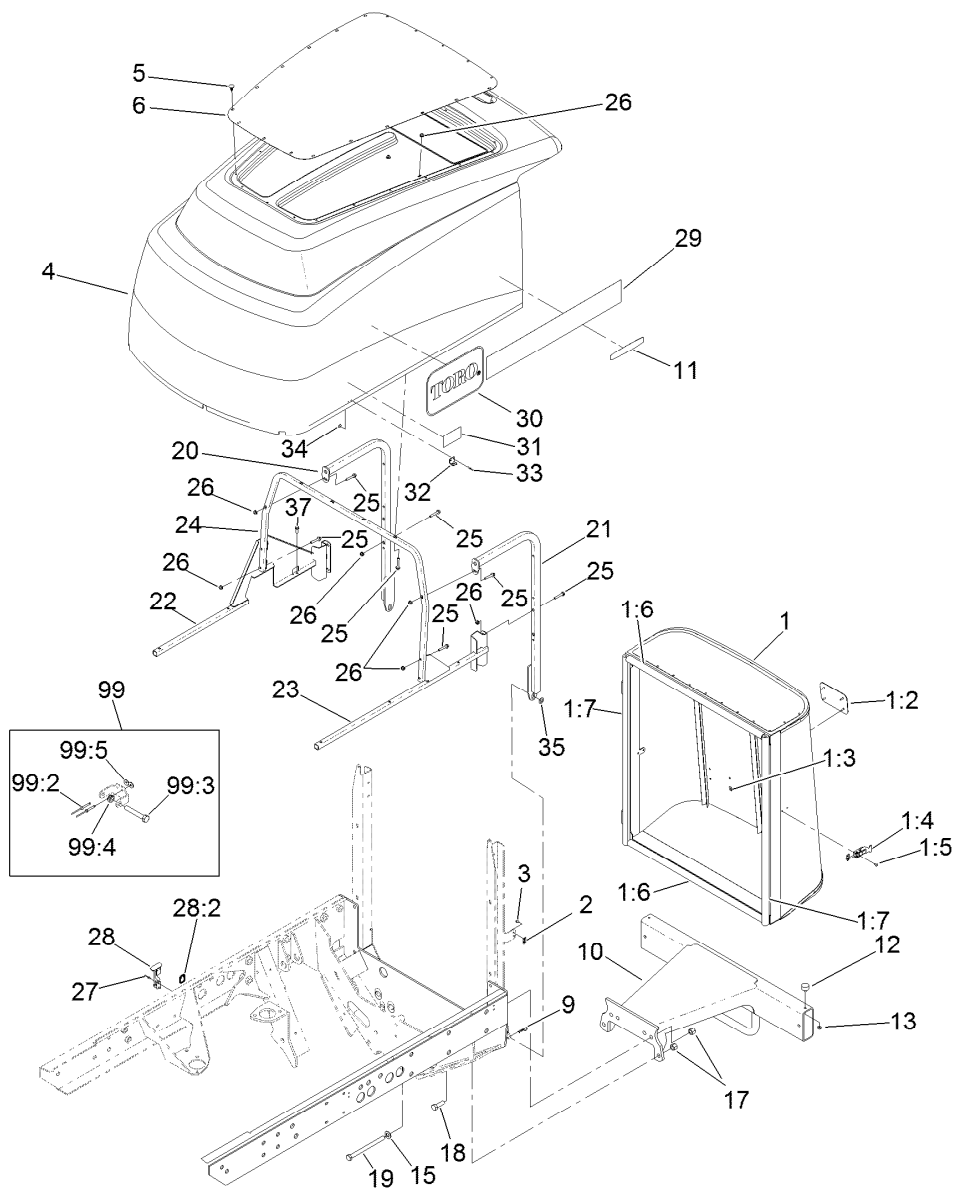
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 106-6716           | 1           | Seal Kit           |



## Pedal Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 32104-32    | 2    | Screw-HWH                |
| 2    | 74-9110     | 1    | Pad-Pedal, Reverse       |
| 3    | 120-8095    | 1    | Pedal                    |
| 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-Plain             |
| 9    | 3220-3      | 1    | Nut-HJ                   |
| 10   | 2411-36     | 1    | Bearing-End, Rod         |
| 11   | 32121-6     | 1    | Pin-Roll, Slotted        |
| 12   | 322-2       | 4    | Screw-HH                 |
| 13   | 256-236     | 1    | Bearing-Mount, Flange    |
| 14   | 32128-20    | 2    | Nut-HF                   |
| 16   | 114-5608    | 2    | Spacer-Standoff          |
| 18   | 120-8088-03 | 1    | Hub-Traction Pedal Pivot |
| 19   | 115-4383    | 1    | Shaft-Spring             |
| 21   | 32121-11    | 1    | Pin-Roll                 |

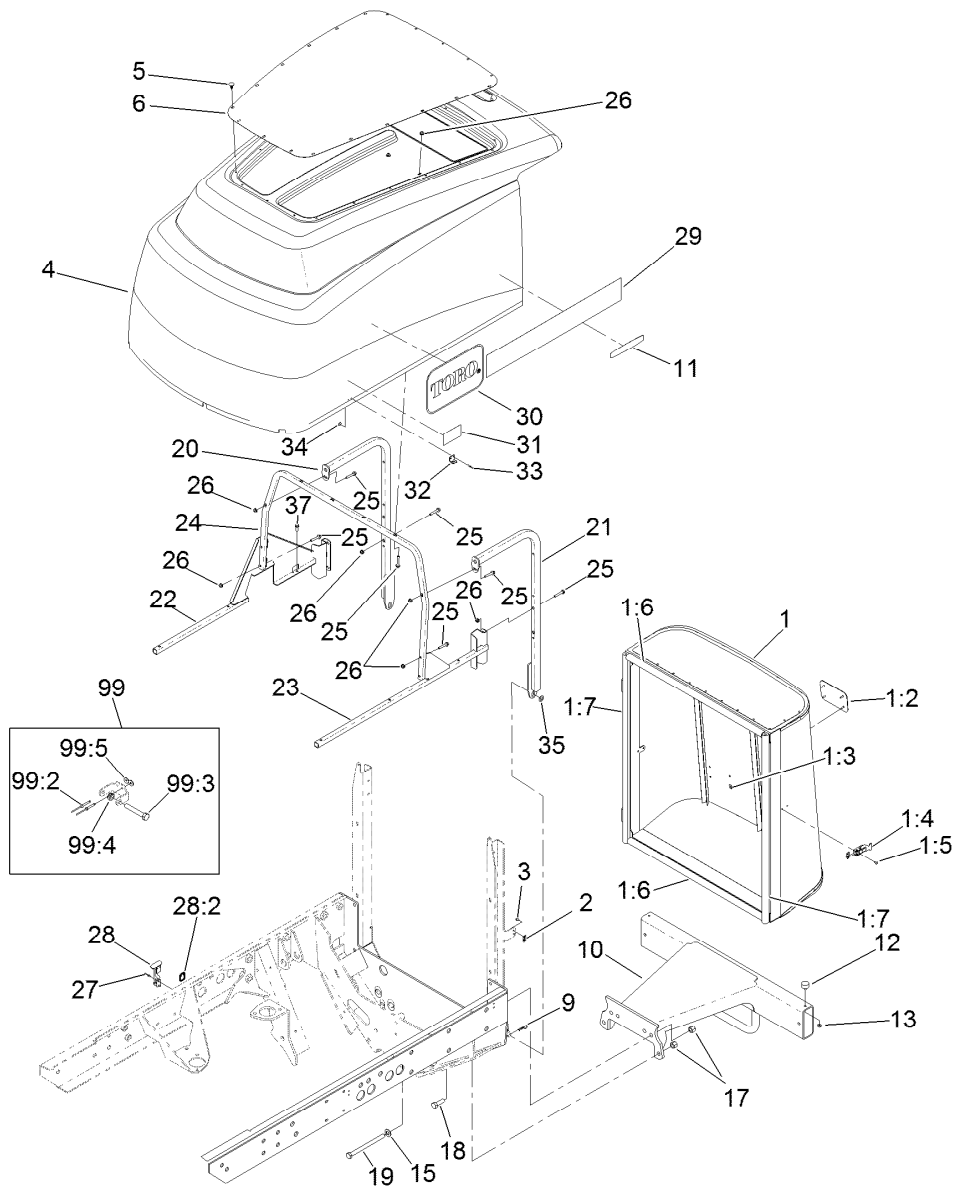
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 22   | 92-7608-03  | 1    | Bracket-Spring        |
| 23   | 92-7610     | 1    | Retainer-Spring       |
| 24   | 84-9100     | 1    | Spring                |
| 25   | 3256-5      | 1    | Washer-Flat           |
| 32   | 133-8062    | 1    | Decal-Spark Arrestor  |
| 33   | 120-8038    | 1    | Hub ASM               |
| 33:2 | 95-7497     | 1    | Bushing-Wheel         |
| 36   | 114-5609    | 1    | Sensor-Position       |
| 37   | 114-5595    | 1    | Plate-Capture         |
| 38   | 32105-21    | 2    | Screw-HH              |
| 40   | 120-8091    | 1    | Shaft-Pivot, Traction |
| 41   | 32121-69    | 1    | Pin-Roll              |
| 43   | 120-8089    | 1    | Plate-Cover, Sensor   |
| 44   | 121-3099    | 1    | Plug-Panel, Plastic   |
| 45   | 32121-78    | 1    | Pin-Roll              |
| 46   | 3290-321    | 2    | Screw-HWH             |
| 47   | 104-8301    | 1    | Nut-HF, NI            |



## Hood Assembly

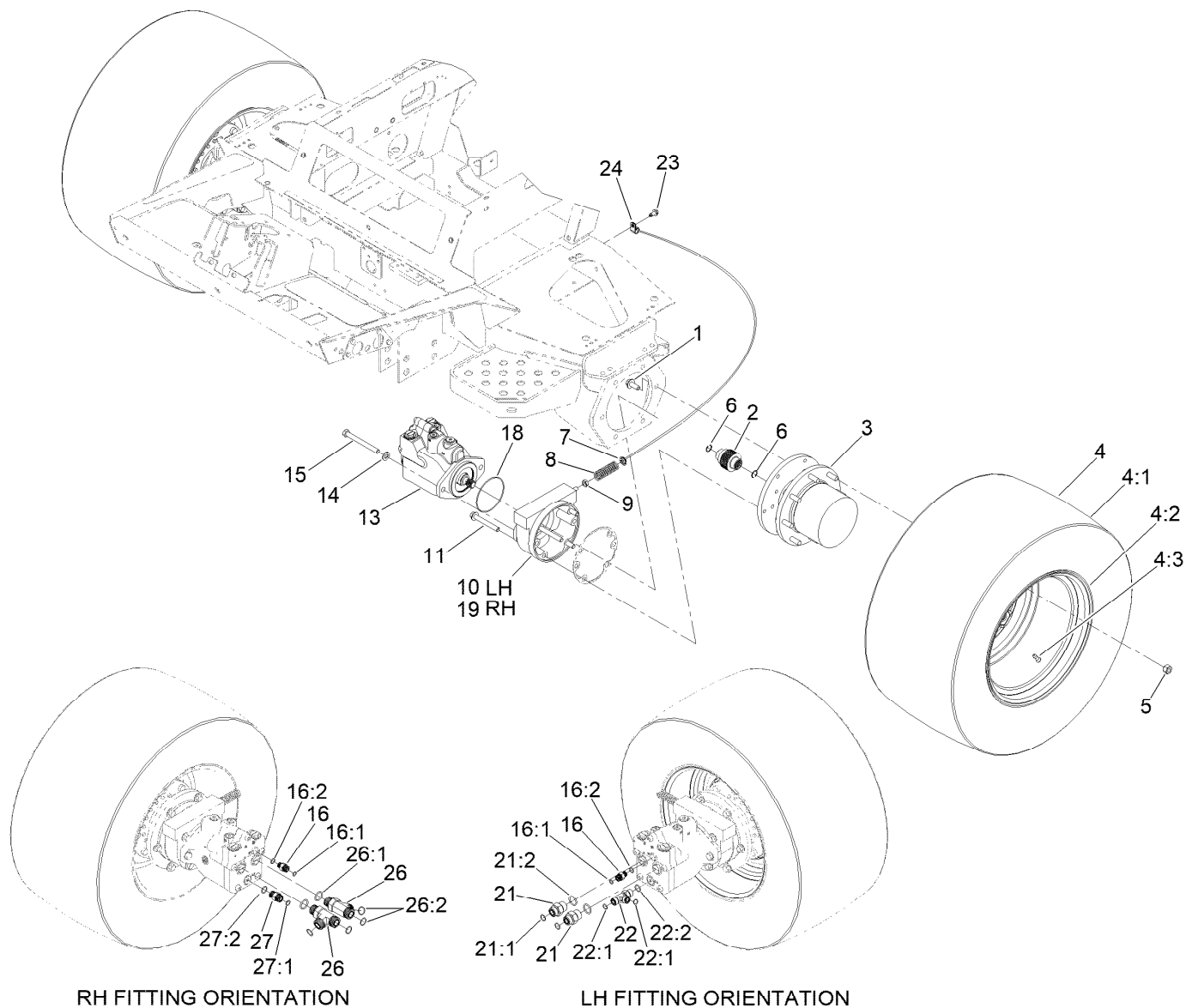
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 115-4362    | 1    | Screen ASM        |
| 1:2  | 93-6028     | 1    | Plate-Logo        |
| 1:3  | 138-6996    | 4    | Nut-Push          |
| 1:4  | 114-8117    | 1    | Latch-Adjustable  |
| 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    | 125-4576    | 1    | Hood ASM          |
| 5    | 117-2382    | 20   | Plug-Plastic      |
| 6    | 114-4192-03 | 1    | Screen-Hood       |
| 9    | 3290-467    | 2    | Pin-Hair          |
| 10   | 120-8020-03 | 1    | Bumper-Rear       |
| 11   | 121-1594    | 2    | Decal-Smart Power |
| 12   | 240-14      | 2    | Bumper-Rubber     |
| 13   | 32128-33    | 2    | Nut-HF            |
| 15   | 3256-26     | 2    | Washer-Flat       |
| 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   | 121-3136-03 | 1    | Tube-RH             |
| 23   | 114-8102-03 | 1    | Tube                |
| 24   | 121-3133-03 | 1    | Tube-Frame, Hood    |
| 25   | 94-5781     | 25   | Screw-HHF           |
| 26   | 104-7201    | 26   | Nut-HF, NI          |
| 27   | 3290-55     | 4    | Rivet-Pop           |
| 28   | 59-9740     | 2    | Flex Draw Latch ASM |
| 28:2 | 249-40      | 1    | Keeper              |
| 29   | 105-9877    | 2    | Decal               |
| 30   | 66-1210     | 2    | Decal               |
| 31   | 106-6754    | 2    | Decal-Danger        |
| 32   | 249-40      | 2    | Keeper              |
| 33   | 3269-17     | 4    | Rivet-Pop           |
| 34   | 3269-10     | 4    | Washer-Back         |
| 35   | 98-1629     | 2    | Washer              |
| 37   | 115-5103    | 1    | Screw-HHF           |
| 99   | 119-2004    | 1    | CE Latch Kit        |
| 99:2 | 107-0333    | 2    | Rivet-Pop           |
| 99:3 | 322-10      | 1    | Screw-HH            |



## Hood Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 99:4 | 3296-47     | 1    | Nut-Lock,NI |
| 99:5 | 3269-10     | 2    | Washer-Back |

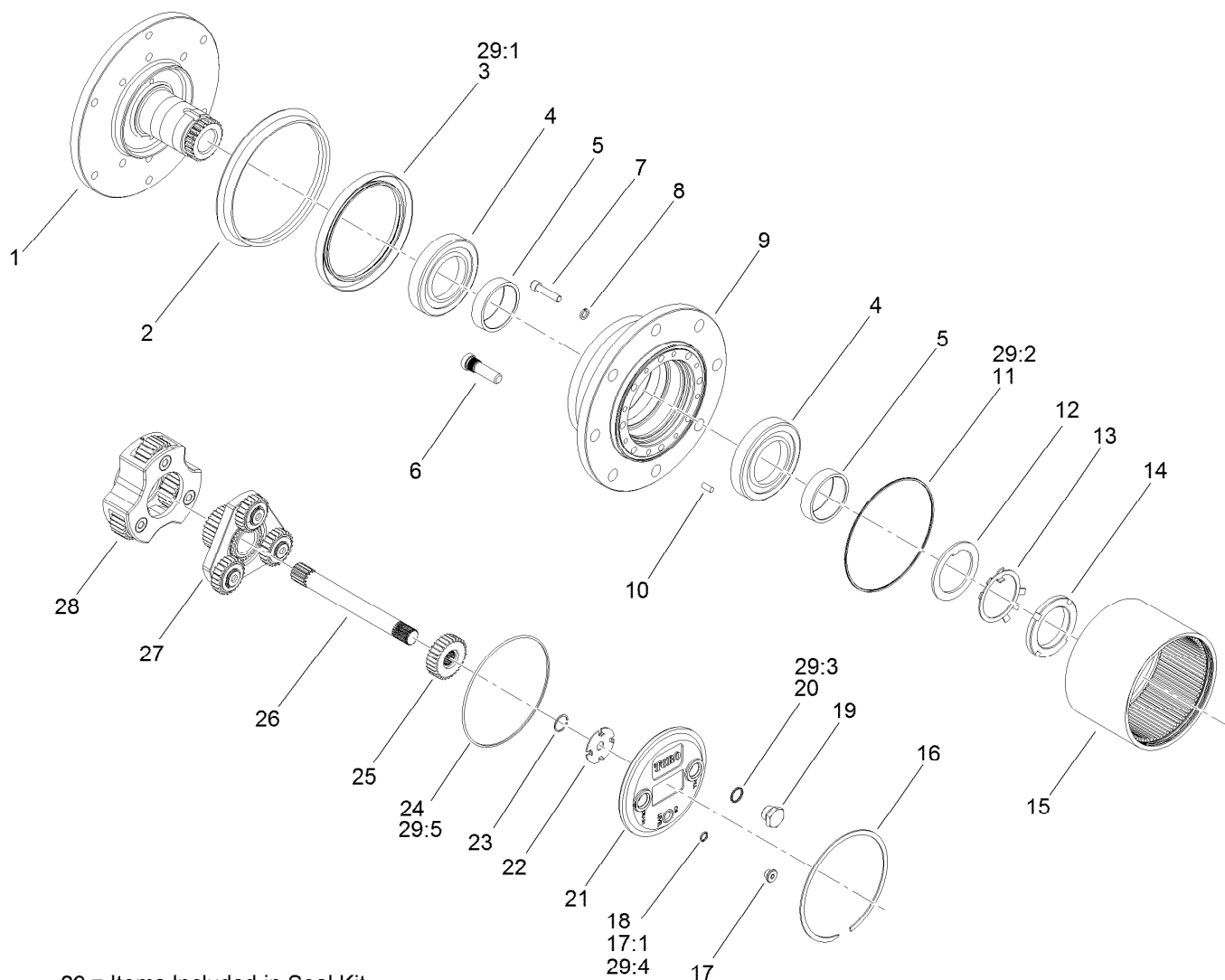


## Front Wheel Drive Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 33106-030   | 12   | Screw-HHF                |
| 2    | 100-3046    | 2    | Shaft-Brake, Splined     |
| 3    | 136-2913    | 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   | 33106-080   | 8    | Screw-HHF                |
| 13   | 121-3100    | 2    | HYD Piston Motor ASM     |
| 14   | 106-9888    | 4    | Washer-Flat              |
| 15   | 33116-110   | 4    | Screw-HH                 |
| 16   | 340-2       | 2    | Fitting-Straight         |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 16:1 | 237-22      | 1    | O-Ring           |
| 16:2 | 237-42      | 1    | O-Ring           |
| 18   | 237-166     | 2    | O-Ring           |
| 19   | 100-3069-03 | 1    | Brake ASM        |
| 21   | 340-8       | 2    | Fitting-Straight |
| 21:1 | 237-65      | 1    | O-Ring           |
| 21:2 | 237-81      | 1    | O-Ring           |
| 22   | 340-109     | 1    | Fitting-Tee      |
| 22:1 | 237-79      | 1    | O-Ring           |
| 22:2 | 237-30      | 2    | O-Ring           |
| 23   | 32104-32    | 2    | Screw-HWH        |
| 24   | 2412-93     | 2    | Clamp-R          |
| 26   | 340-148     | 2    | Fitting-Tee      |
| 26:1 | 237-81      | 1    | O-Ring           |
| 26:2 | 237-58      | 2    | O-Ring           |
| 27   | 340-4       | 1    | Fitting-Straight |
| 27:1 | 237-30      | 1    | O-Ring           |
| 27:2 | 237-79      | 1    | O-Ring           |

● Not serviced separately

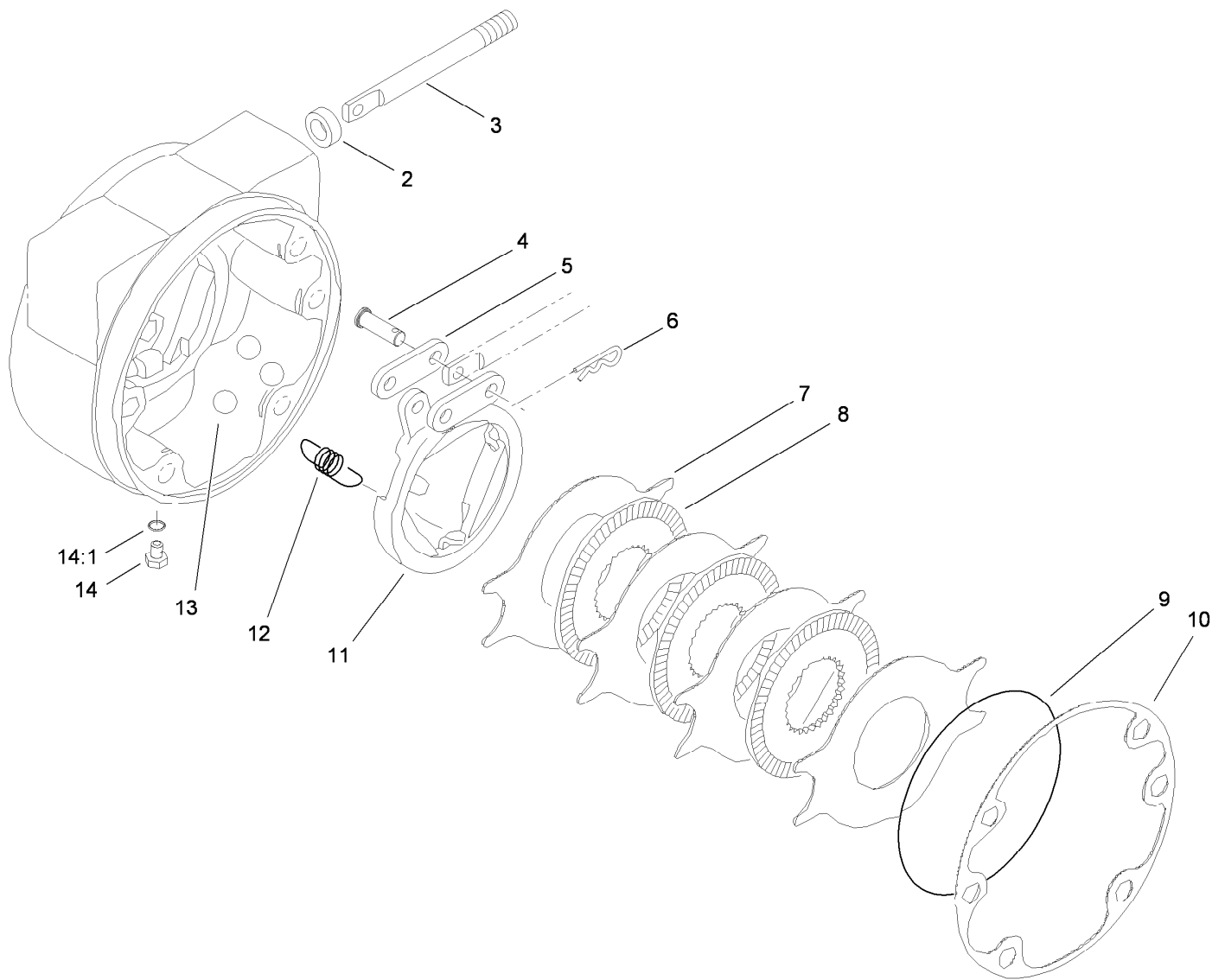


## Planetary Assembly No. 136-2913

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    |             | 1    | Spindle ●         |
| 2    | 138-1204    | 1    | Seal-Boot         |
| 3    |             | 1    | Seal-Lip ●        |
| 4    | 138-1205    | 2    | Bearing-Cup       |
| 5    | 138-1206    | 2    | Bearing-Cone      |
| 6    | 105-8124    | 8    | Stud-Wheel        |
| 7    | 138-1207    | 8    | Screw-Socket Head |
| 8    | 138-1208    | 8    | Washer-Lock       |
| 9    |             | 1    | Housing ●         |
| 10   | 105-8121    | 4    | Pin-Dowel         |
| 11   |             | 1    | O-Ring ●          |
| 12   | 138-6928    | 1    | Spacer            |
| 13   | 138-6929    | 1    | Washer            |
| 14   | 138-6930    | 1    | Nut-Lock          |
| 15   | 138-1209    | 1    | Gear-Ring         |
| 16   | 138-1210    | 1    | Ring-Snap         |
| 17   | 353-990     | 1    | Plug ASM          |
| 17:1 | 237-78      | 1    | O-Ring            |

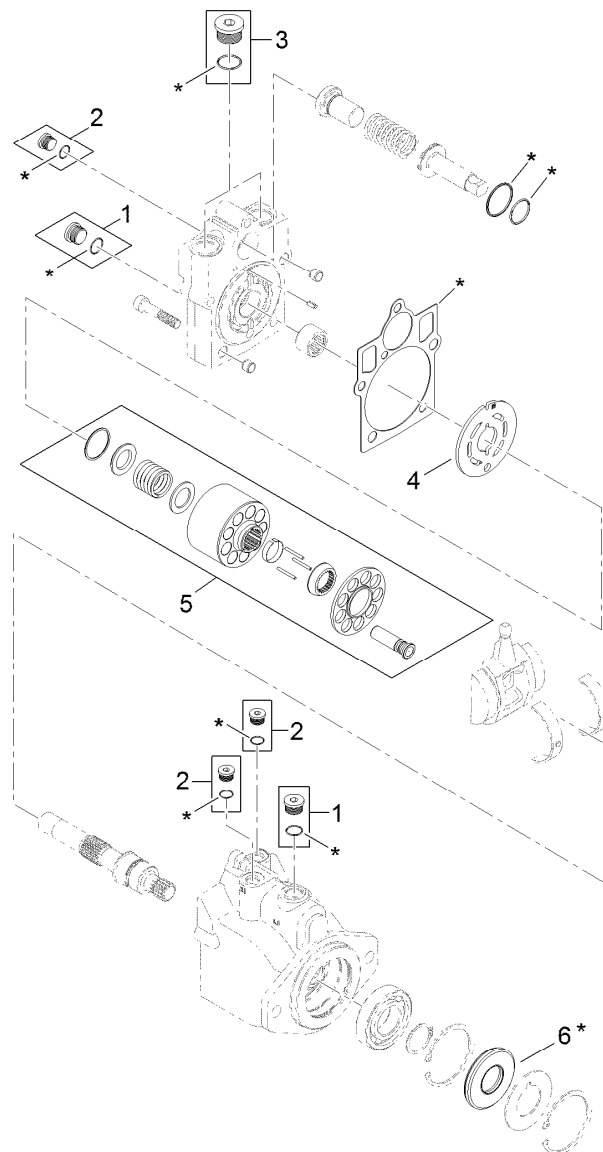
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 18   | 237-78      | 1    | O-Ring                |
| 19   | 138-1211    | 2    | Plug-Flange, Magnetic |
| 20   | 138-1212    | 2    | O-Ring                |
| 21   | 138-1213    | 1    | Cap-End               |
| 22   | 138-1214    | 1    | Washer-Thrust, Sun    |
| 23   | 105-8131    | 2    | Ring-Retaining        |
| 24   |             | 1    | O-Ring ●              |
| 25   | 138-1215    | 1    | Gear-Primary, Sun     |
| 26   | 138-1216    | 1    | Shaft-Drive           |
| 27   | 138-1217    | 1    | Primary Carrier ASM   |
| 28   | 138-1218    | 1    | Secondary Carrier ASM |
| 29   | 138-1219    | 1    | Seal Kit              |
| 29:1 |             | 1    | Seal-Lip ●            |
| 29:2 |             | 1    | O-Ring ●              |
| 29:3 |             | 1    | O-Ring ●              |
| 29:4 |             | 1    | O-Ring ●              |
| 29:5 |             | 1    | O-Ring ●              |

● Not serviced separately



## Brake Assembly No. 100-3070-03

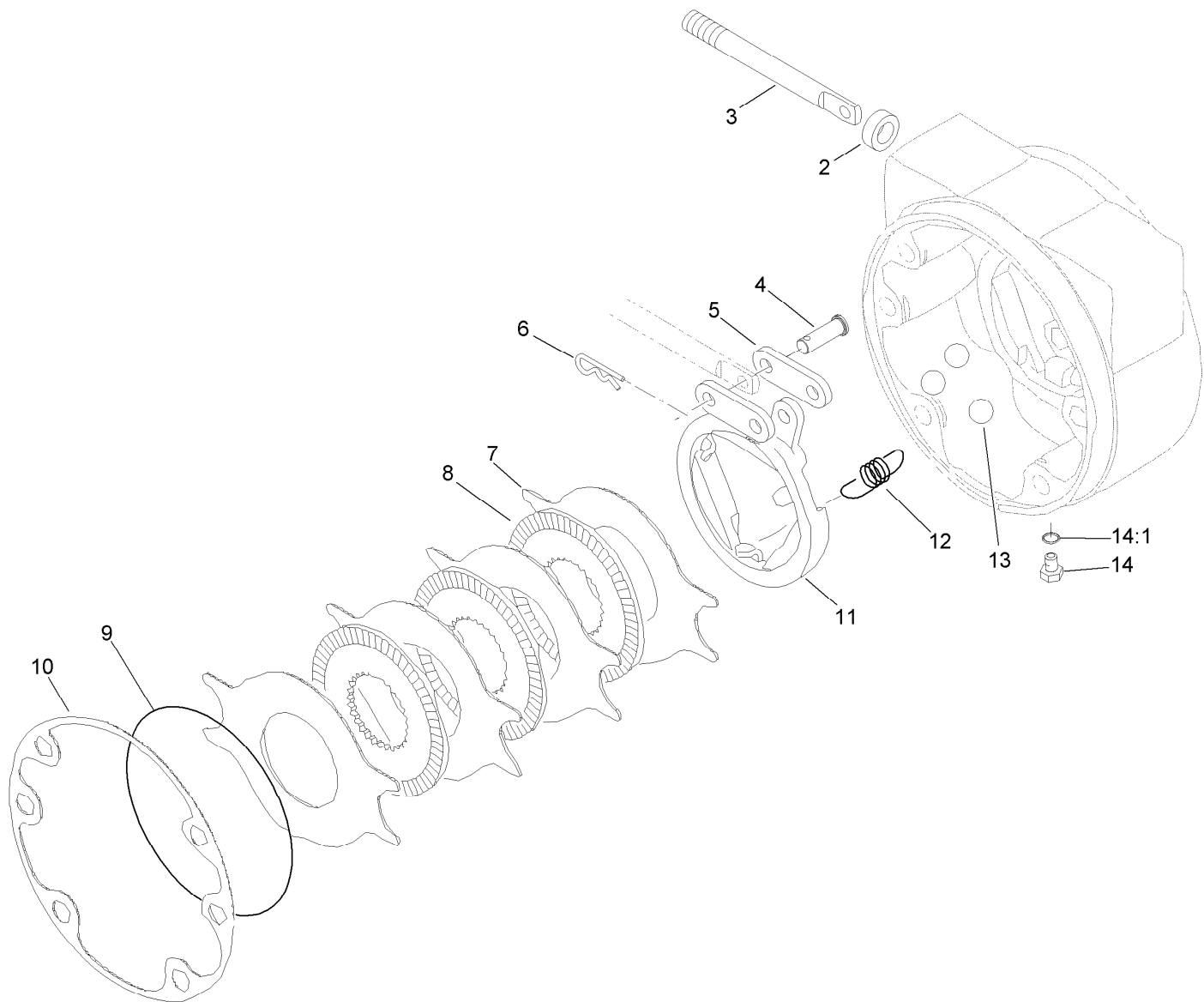
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 2    | 93-7977     | 1    | Seal              |
| 3    | 93-7978     | 1    | Rod-Pull          |
| 4    | 93-7983     | 2    | Pin-Clevis        |
| 5    | 93-7980     | 2    | Link              |
| 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            |



7 = all items with \* are included in overhaul seal kit

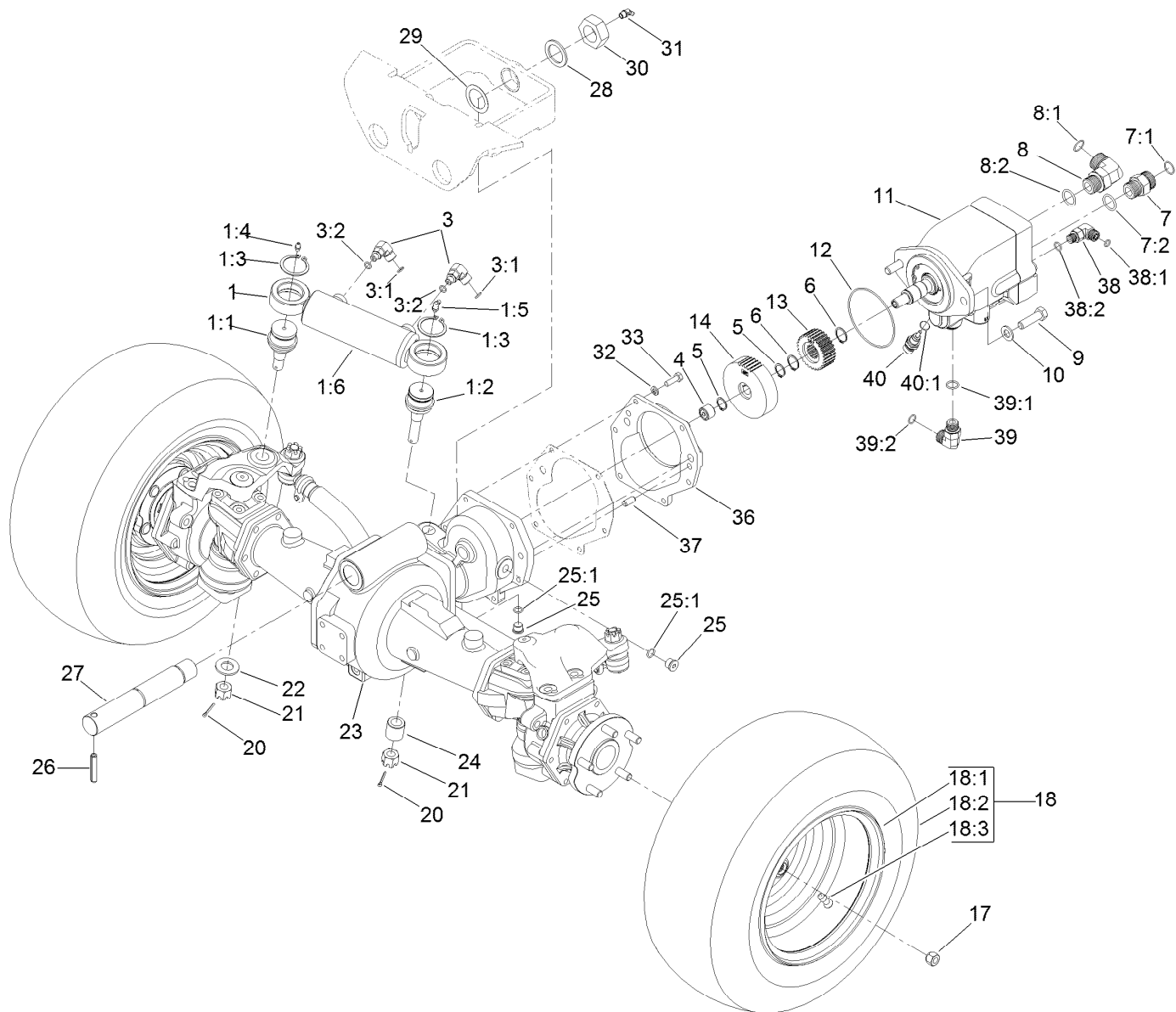
## Hydraulic Piston Motor Assembly No. 121-3100

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 67-9090     | 2    | Plug               |
| 2    | 69-3080     | 3    | Plug               |
| 3    | 107-4352    | 1    | Plug               |
| 4    | 121-1734    | 1    | Plate-Valve        |
| 5    | 121-1735    | 1    | Cylinder Block Kit |
| 6    | 69-3190     | 1    | Seal-Lip           |
| 7    | 121-1736    | 1    | Overhaul Seal Kit  |



## 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            |

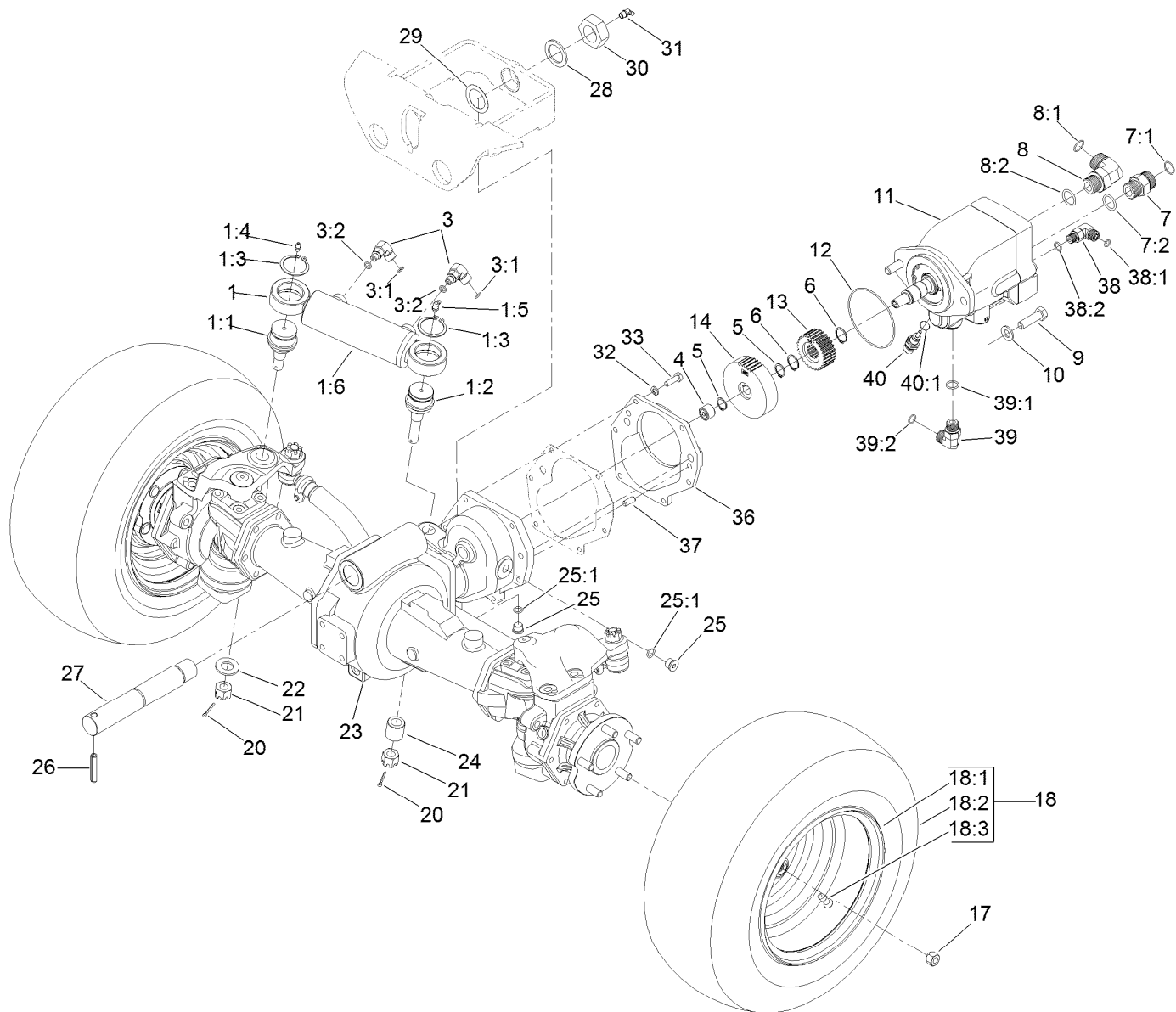


## Rear Axle Assembly

| 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  | 127-6431    | 1    | Hydraulic Steer 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        |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 8:1  | 237-58      | 1    | O-Ring             |
| 8:2  | 237-81      | 1    | O-Ring             |
| 9    | 325-7       | 2    | Screw-HH           |
| 10   | 106-9888    | 2    | Washer-Flat        |
| 11   | 121-3101    | 1    | Motor-Piston       |
| 12   | 237-166     | 1    | O-Ring             |
| 13   | 104-5663    | 1    | Pinion-28T         |
| 14   | 104-5664    | 1    | Gear-44T           |
| 17   | 93-5268     | 10   | Nut-Lug            |
| 18   |             | 2    | Rim And Tire ASM ● |
| 18:1 | 115-1573    | 1    | Rim                |
| 18:2 | 115-1572    | 1    | Tire               |
| 18:3 | 232-27      | 1    | Stem-Valve         |
| 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 |

● Not serviced separately

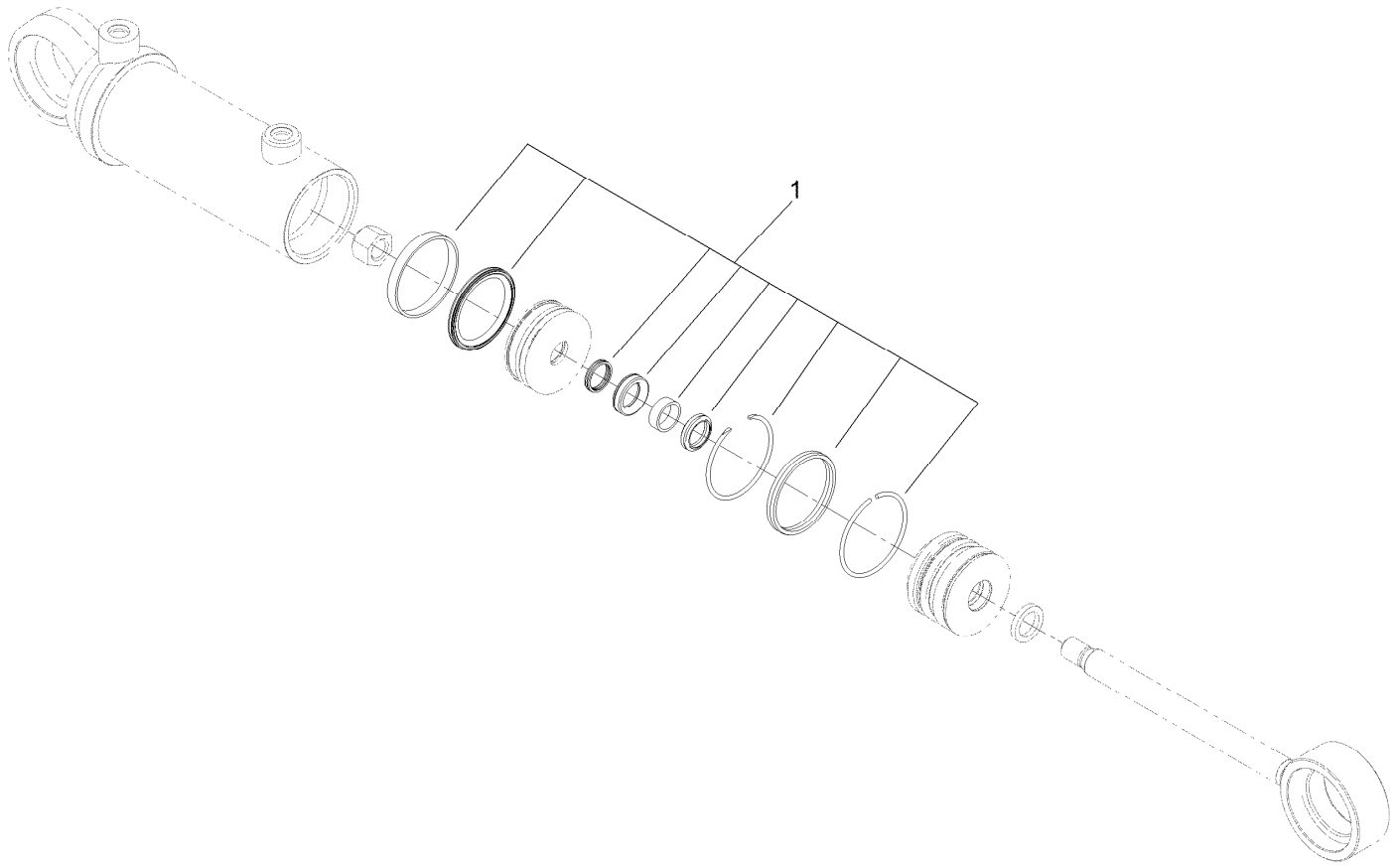


## Rear Axle Assembly (continued)

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 25   | 353-989     | 2    | 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          |

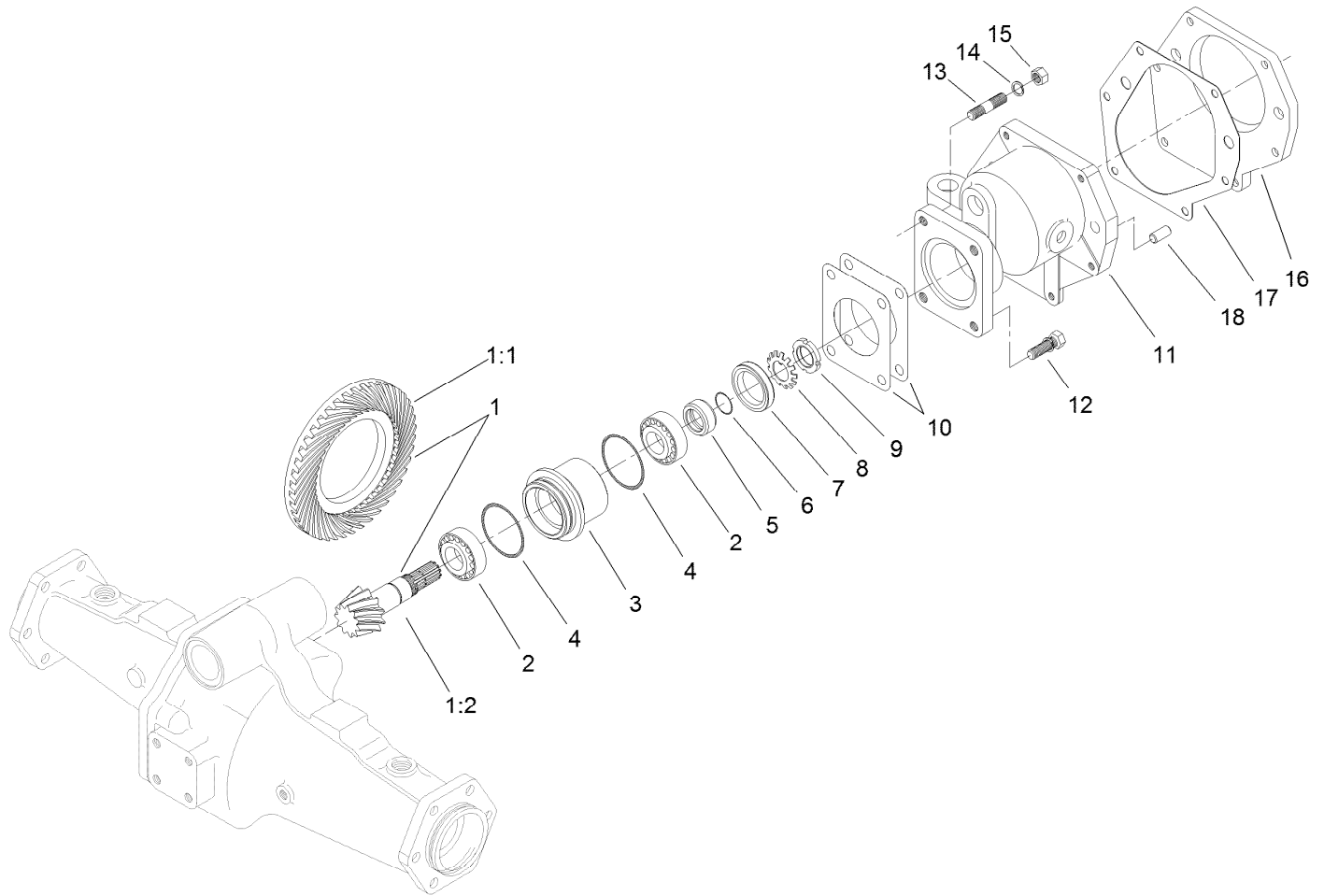
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 36   | 95-7541     | 1    | Plate-Cover           |
| 37   | 104-2353    | 2    | Pin-Dowel             |
| 38   | 340-77      | 1    | Fitting-Elbow, 90 DEG |
| 38:1 | 237-22      | 1    | O-Ring                |
| 38:2 | 237-42      | 1    | O-Ring                |
| 39   | 340-98      | 1    | Fitting-Elbow, 90 DEG |
| 39:1 | 237-79      | 1    | O-Ring                |
| 39:2 | 237-30      | 1    | O-Ring                |
| 40   | 110-8829    | 1    | Sender-Temperature    |
| 40:1 | 237-42      | 1    | O-Ring                |

● Not serviced separately



## Hydraulic Steer Cylinder Assembly No. 127-6431

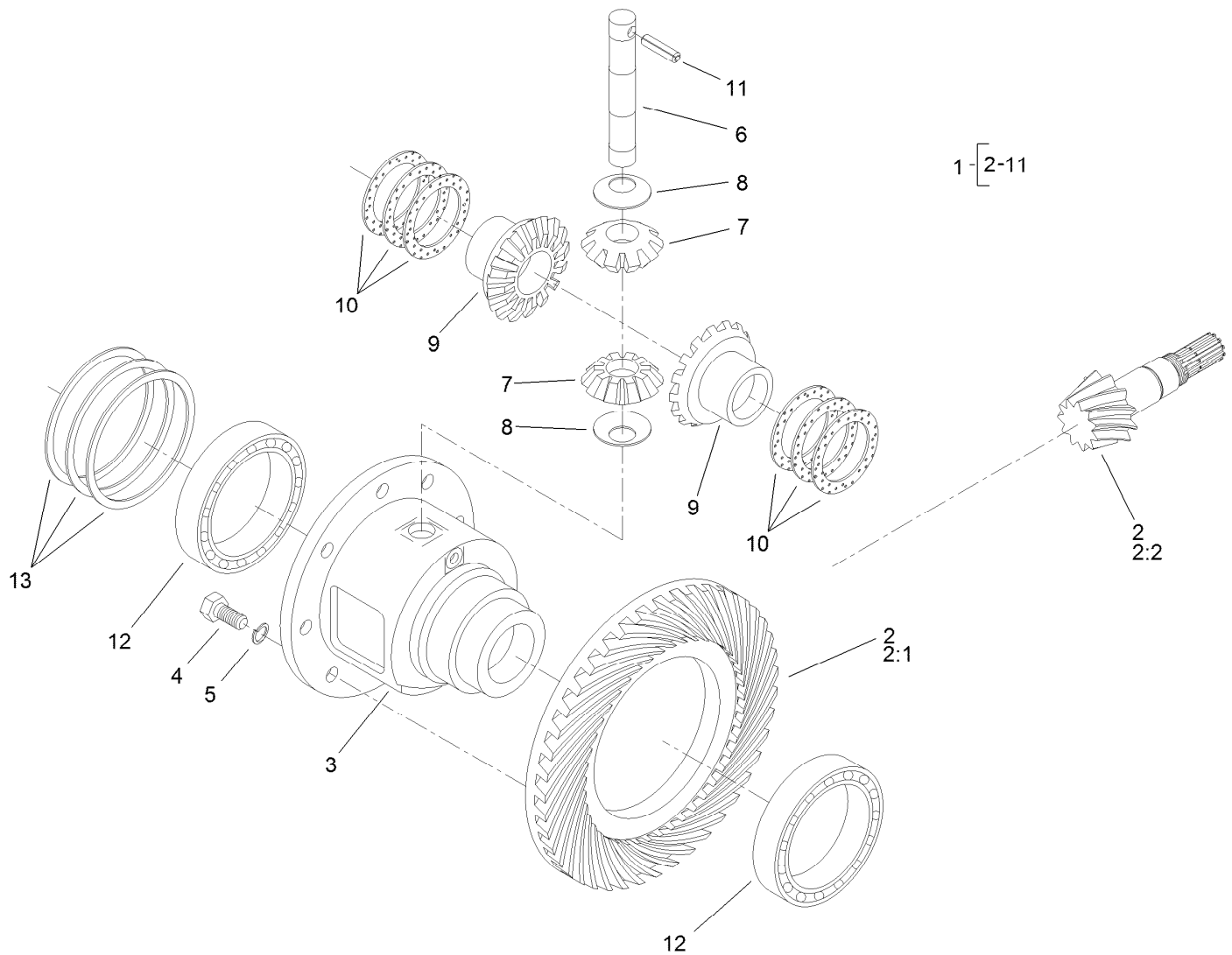
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-7756           | 1           | Cylinder Seal Kit  |



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

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 106-1093    | 1    | Ring And Pinion Set         |
| 1:1  | 95-7504     | 1    | Gear-43 Tooth, Bevel Spiral |
| 1:2  | 106-1092    | 1    | Pinion-Spiral, Bevel        |
| 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                    |

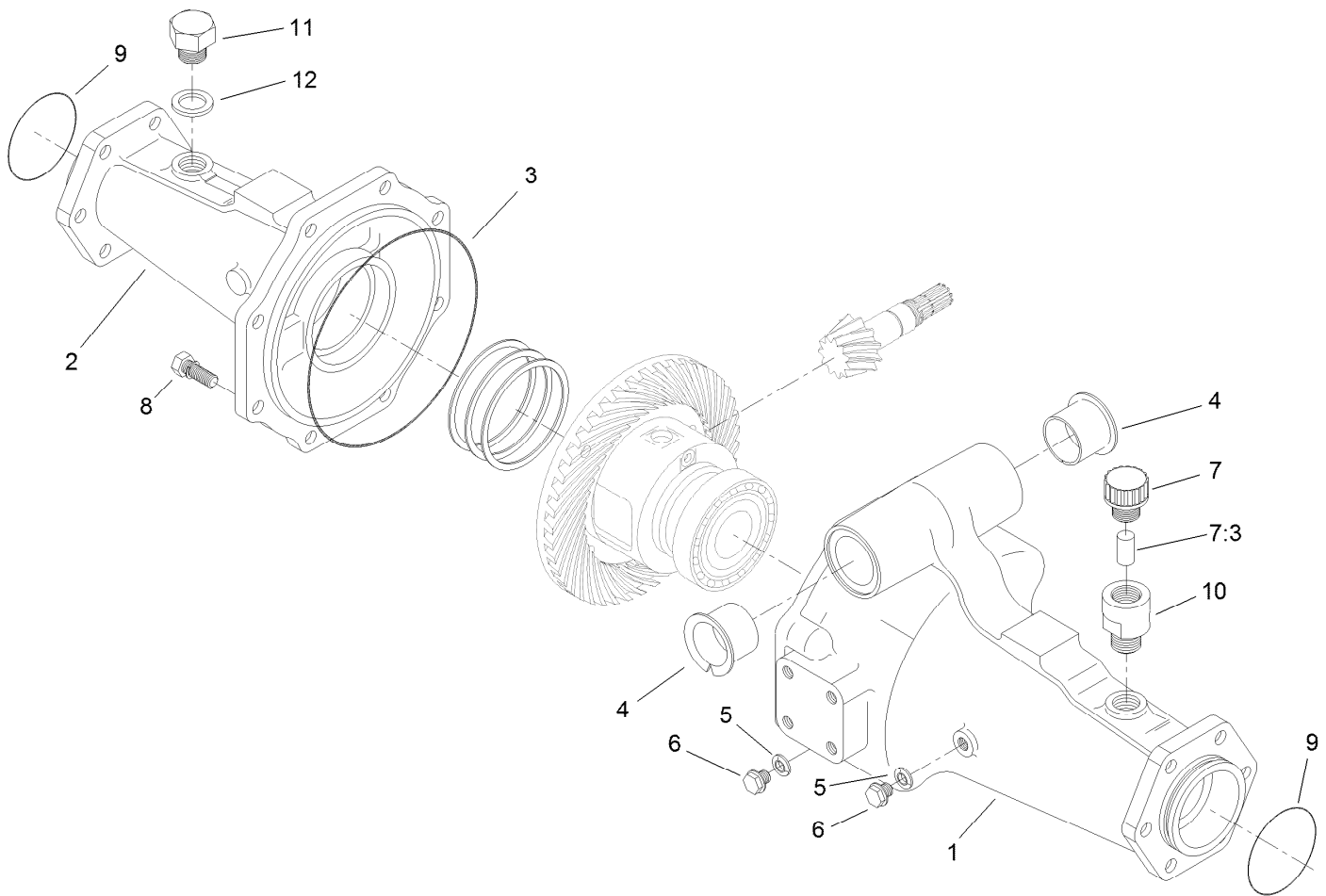
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10   | 99-7550     | 2    | Shim 0.1      |
| 10   | 99-7551     | 2    | Shim 0.2      |
| 11   | 95-7533     | 1    | Case-Gear     |
| 12   | 99-7575     | 2    | Bolt          |
| 13   | 98-7735     | 2    | 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

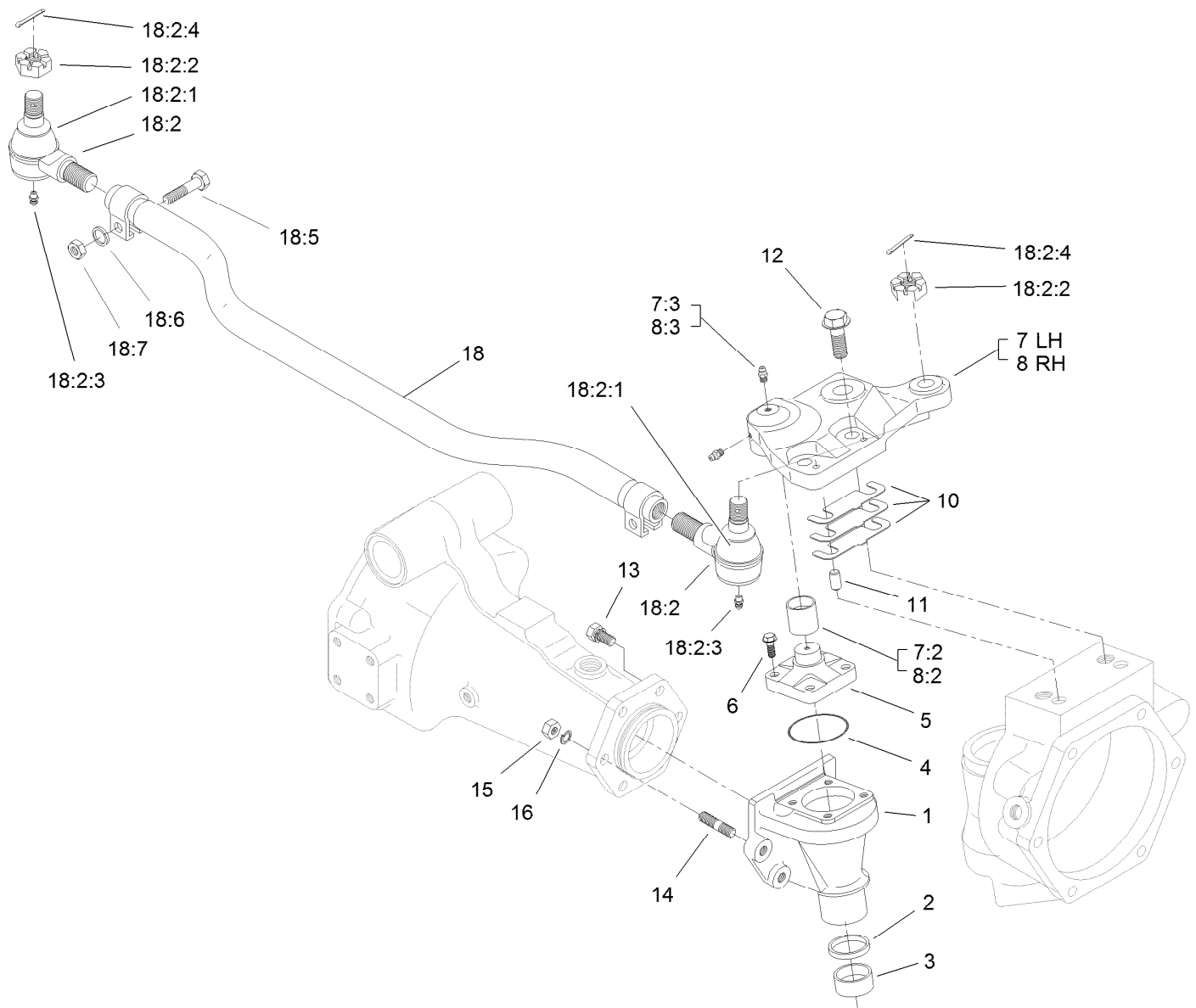
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 95-7503     | 1    | Differential ASM            |
| 2    | 106-1093    | 1    | Ring And Pinion Set         |
| 2:1  | 95-7504     | 1    | Gear-43 Tooth, Bevel Spiral |
| 2:2  | 106-1092    | 1    | Pinion-Spiral, Bevel        |
| 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         |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 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

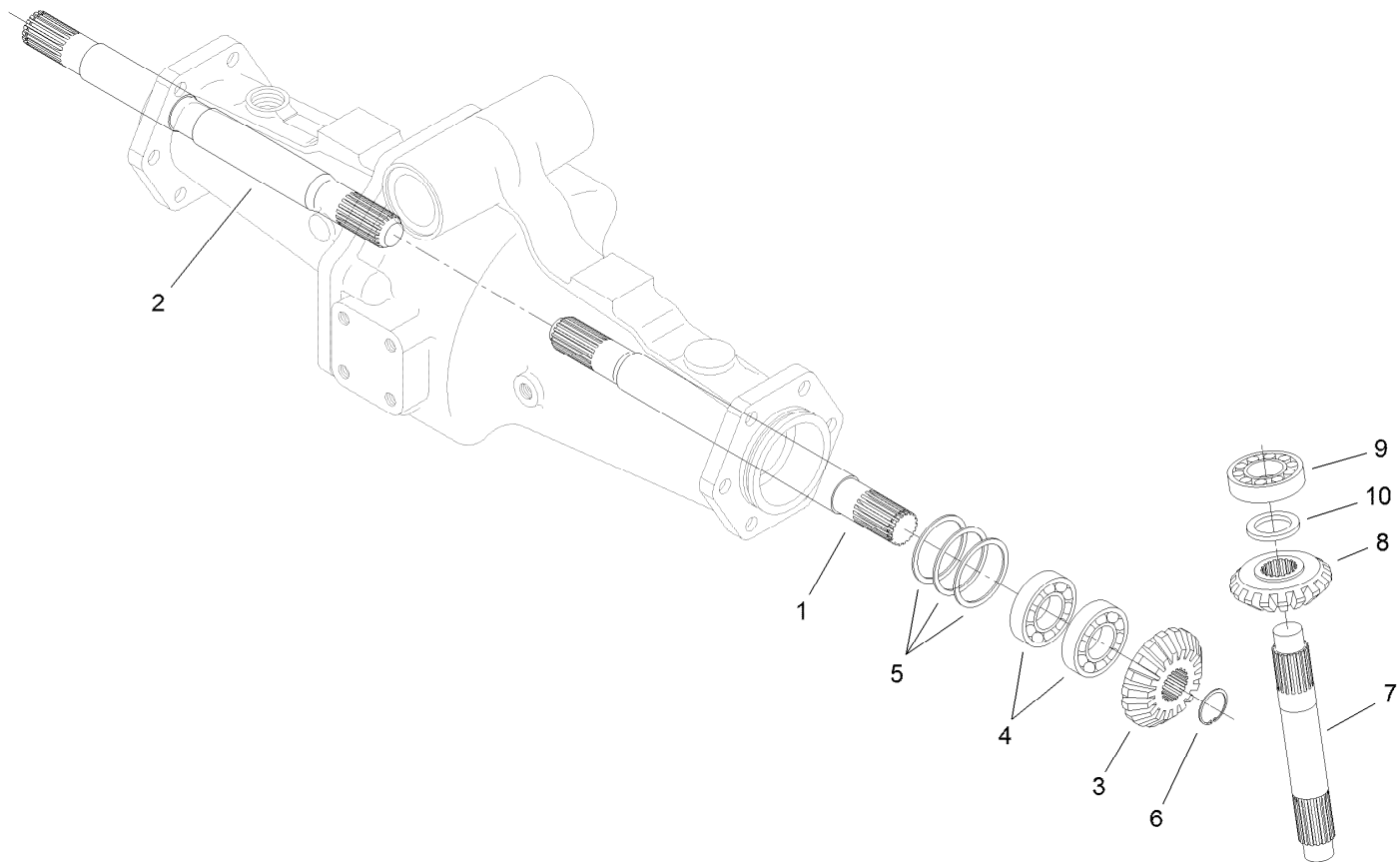
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 95-7508     | 1    | Support-Axle        |
| 2    | 95-7506     | 1    | Support-Axle        |
| 3    | 106-1067    | 1    | O-Ring              |
| 4    | 95-7537     | 2    | Bushing-Flanged     |
| 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

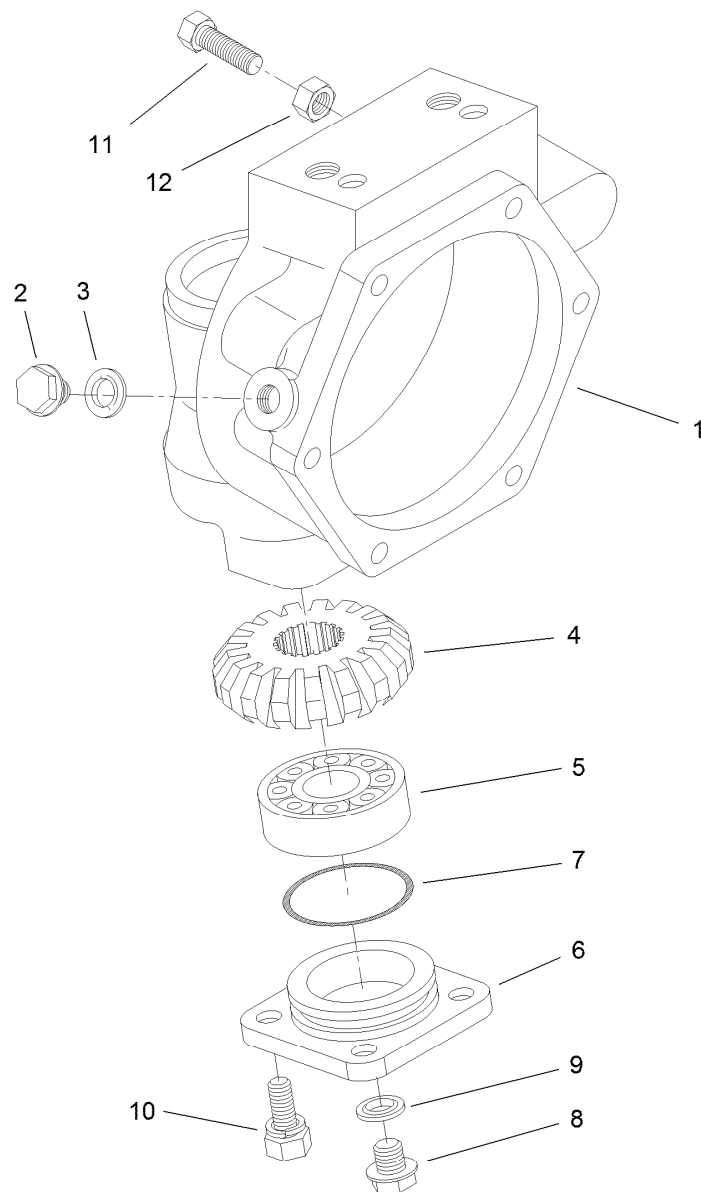
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 110-4752    | 2    | Case-Gear, Bevel    |
| 2    | 110-4754    | 2    | Seal-Oil            |
| 3    | 104-2378    | 2    | Bushing             |
| 4    | 106-1069    | 2    | O-Ring              |
| 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 Thread |
| 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                         |



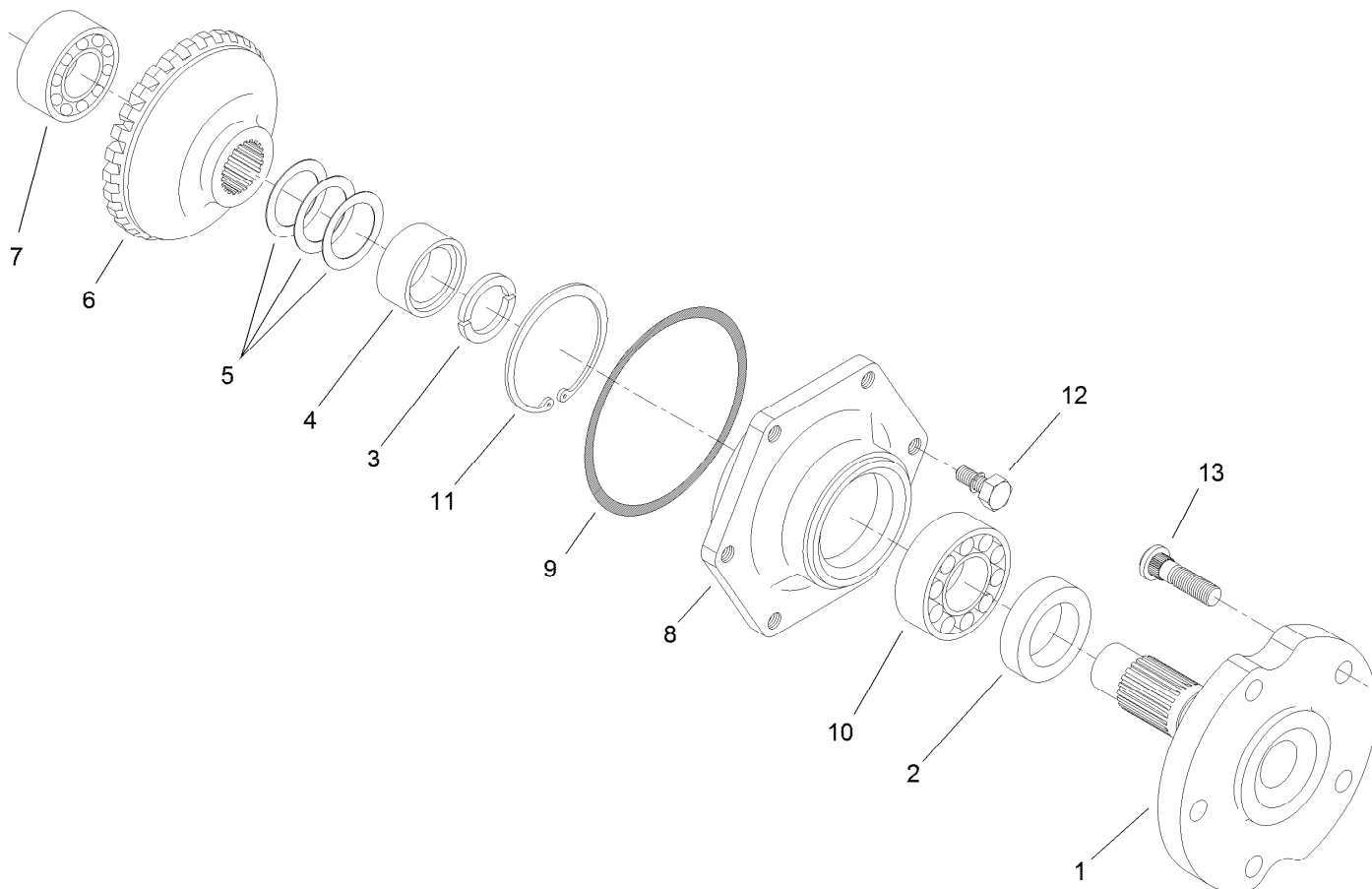
## Bevel Gear Shaft Assembly Rear Axle Assembly No. 110-4750

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 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                   |



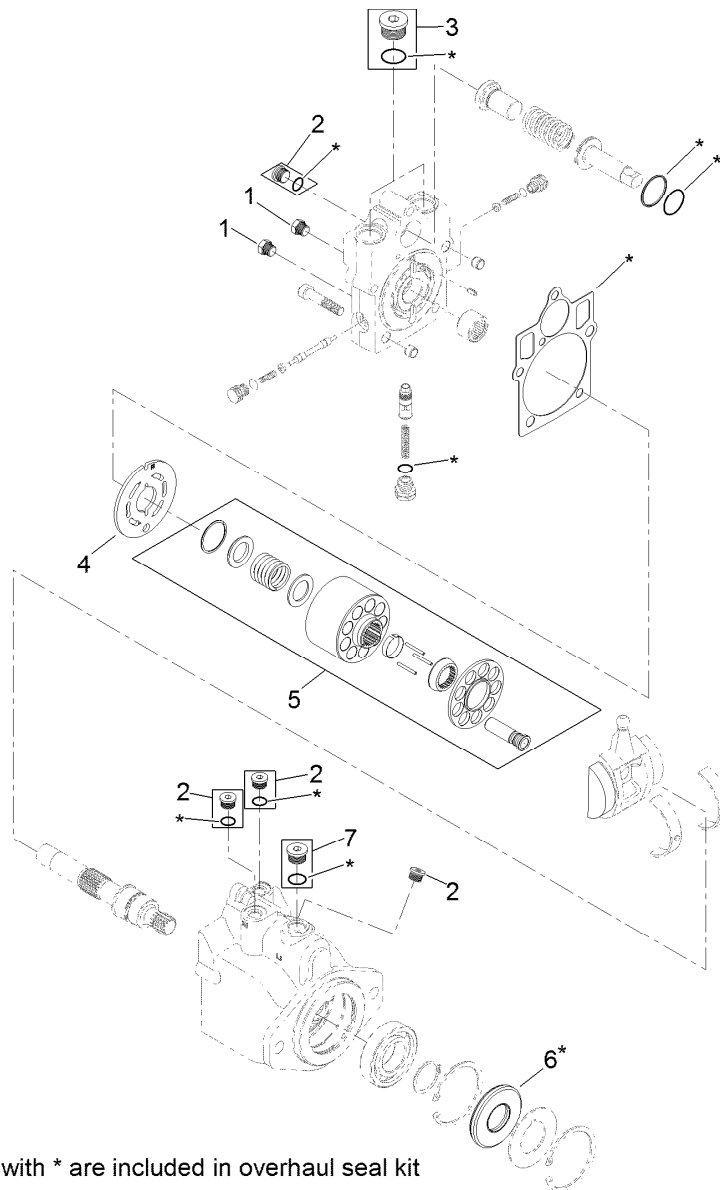
## Axle Case Assembly Rear Axle Assembly No. 110-4750

| 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                 |

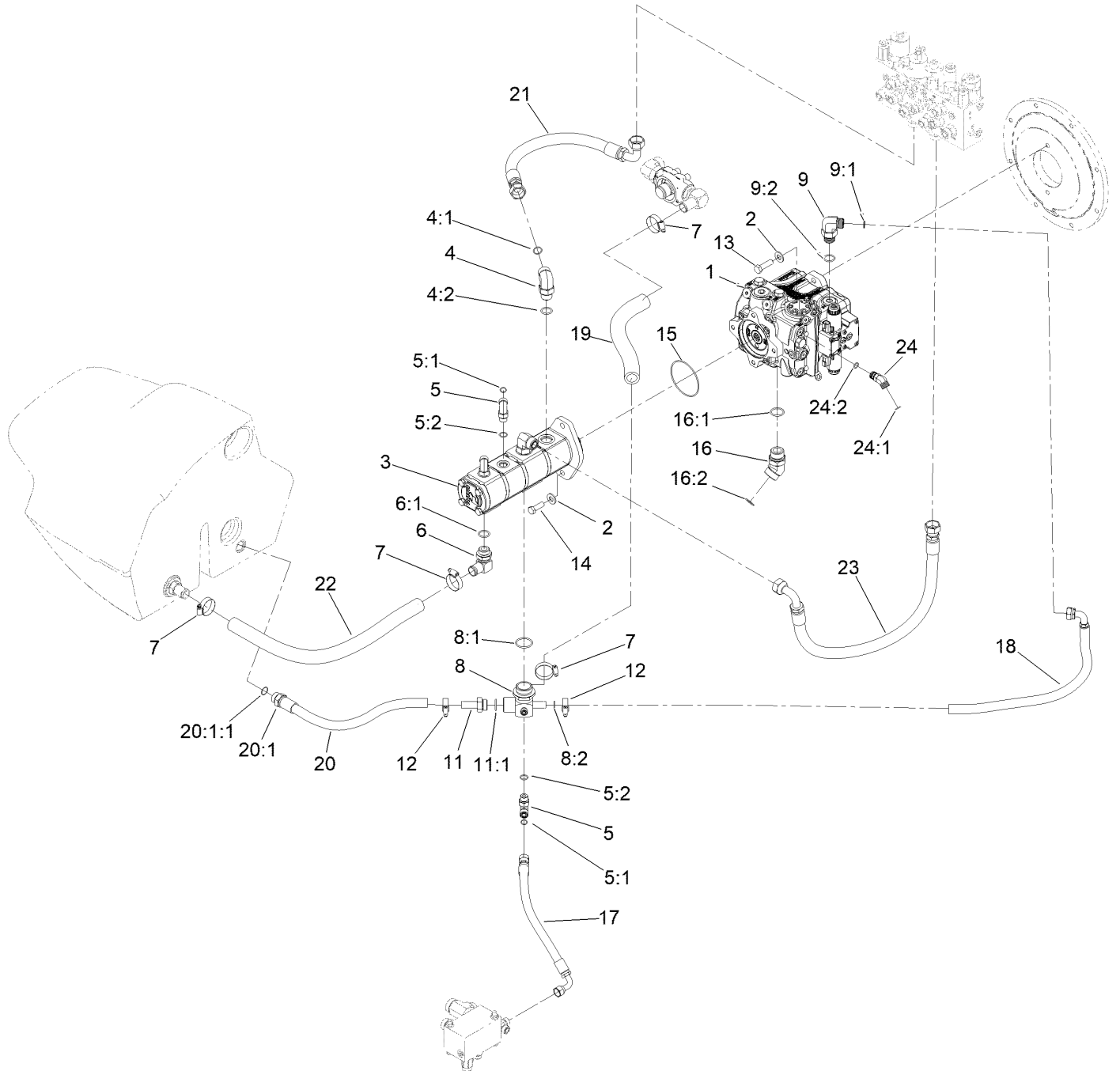


8 = all items with \* are included in overhaul seal kit

## Piston Motor Assembly No. 121-3101

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 92-1352     | 2    | Plug               |
| 2    | 69-3080     | 5    | Plug               |
| 3    | 69-3130     | 2    | Plug               |
| 4    | 125-4638    | 1    | Valve Plate        |
| 5    | 125-4639    | 1    | Cylinder Block Kit |
| 6    | 69-3190     | 1    | Seal-Lip           |
| 7    | 67-9090     | 1    | Plug               |
| 8    | 121-1736    | 1    | Overhaul Seal Kit  |

# Hydraulic System Assembly

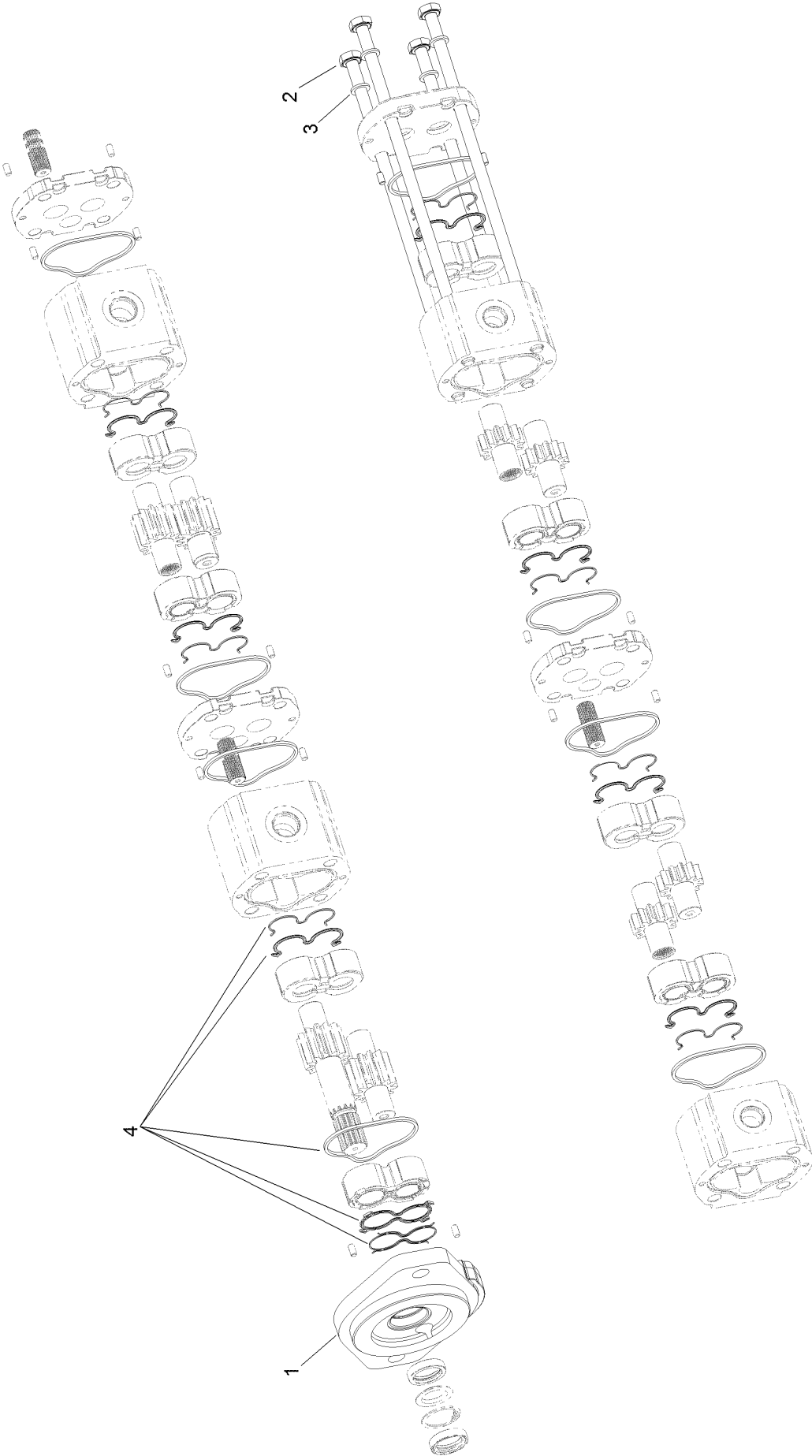


## Hydraulic System Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|---------------------|
| 1           | 132-6100           | 1           | Pump-Piston           | 12          | 2412-129           | 2           | Clamp-Hose          |
| 2           | 87-7270            | 4           | Washer-Thrust         | 13          | 131-0661           | 2           | Screw-HSH           |
| 3           | 114-4189           | 1           | 4-Section Pump ASM    | 14          | 121-1525           | 2           | Screw-HH            |
| 4           | 340-142            | 2           | Fitting-Elbow, 90 DEG | 15          | 107-9447           | 1           | O-Ring              |
| 4:1         | 237-58             | 1           | O-Ring                | 16          | 104-3509           | 2           | Fitting-HYD, 45 DEG |
| 4:2         | 237-81             | 1           | O-Ring                | 16:1        | 237-146            | 1           | O-Ring              |
| 5           | 340-98             | 3           | Fitting-Elbow, 90 DEG | 16:2        | 340-65             | 1           | O-Ring              |
| 5:1         | 237-79             | 1           | O-Ring                | 17          | 125-4616           | 1           | Hose ASM            |
| 5:2         | 237-30             | 1           | O-Ring                | 18          | 136-2926           | 1           | Hose ASM            |
| 6           | 100-4202           | 1           | Fitting-90            | 19          | 121-3062           | 1           | Hose-Suction        |
| 6:1         | 237-81             | 1           | O-Ring                | 20          | 121-3079           | 1           | Hose ASM            |
| 7           | 2412-111           | 4           | Clamp-Hose, W/Liner   | 20:1        |                    | 1           | Fitting-Straight ●  |
| 8           | 120-8016           | 1           | Fitting-Tee           | 20:1:1      | 237-81             | 1           | O-Ring              |
| 8:1         | 237-101            | 1           | O-Ring                | 21          | 105-3874           | 1           | Hose ASM            |
| 8:2         | 237-22             | 1           | O-Ring                | 22          | 125-4568           | 1           | Hose-Suction        |
| 9           | 340-139            | 1           | Fitting-Elbow 90      | 23          | 115-4384           | 1           | Hose-HYD            |
| 9:1         | 237-81             | 1           | O-Ring                | 24          | 340-96             | 1           | Adapter             |
| 9:2         | 237-65             | 1           | O-Ring                | 24:1        | 237-30             | 1           | O-Ring              |
| 11          | 121-1526           | 1           | Fitting-STR           | 24:2        | 237-42             | 1           | O-Ring              |
| 11:1        | 237-81             | 1           | O-Ring                |             |                    |             |                     |

● Not serviced separately

Four Section Pump Assembly No. 114-4189

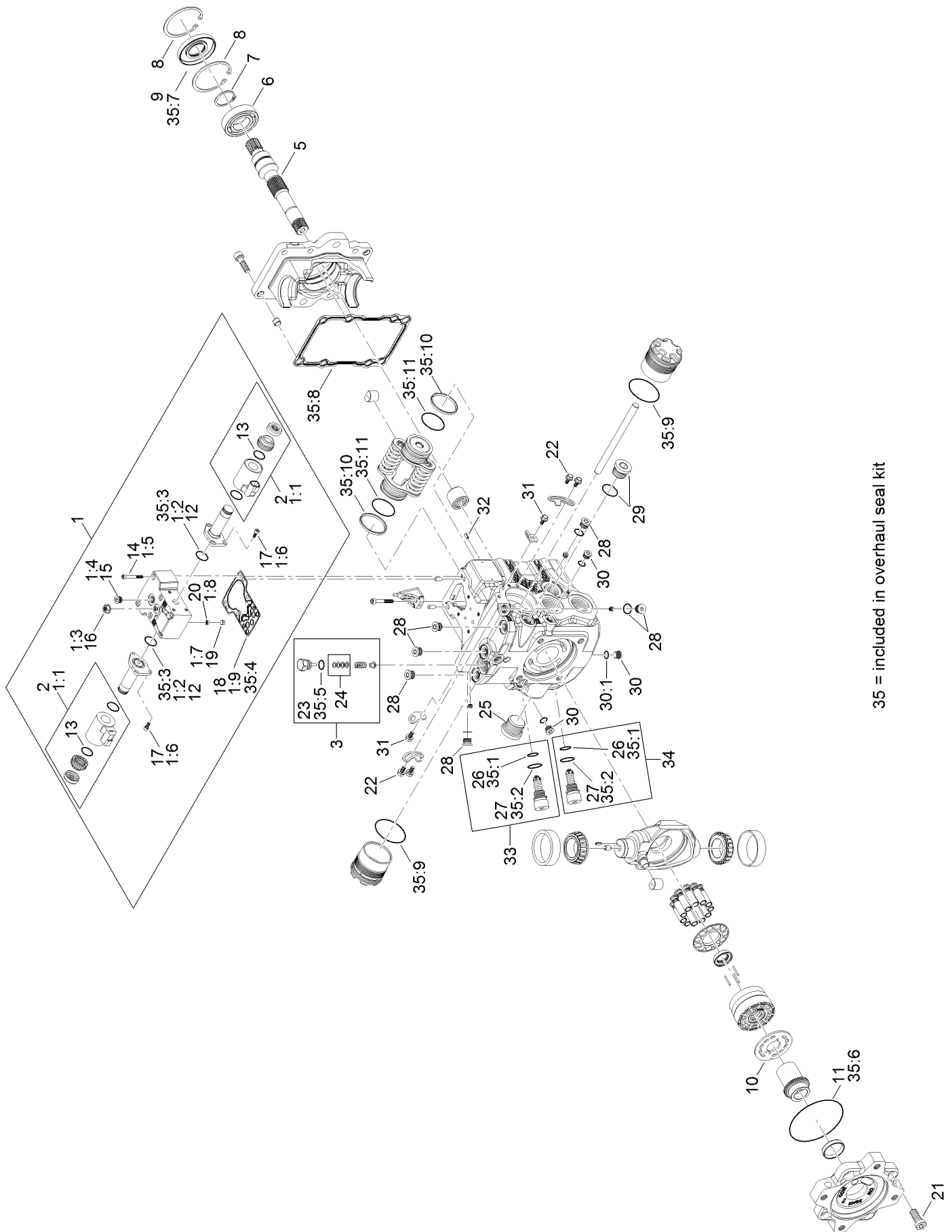


## Four Section Pump Assembly No. 114-4189 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 115-3774           | 1           | Cover-Front        |
| 2           | 115-4444           | 4           | Bolt               |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 3           | 115-9138           | 4           | Washer             |
| 4           | 115-3776           | 1           | Seal Kit           |

# Hydraulic Pump Assembly No. 132-6100

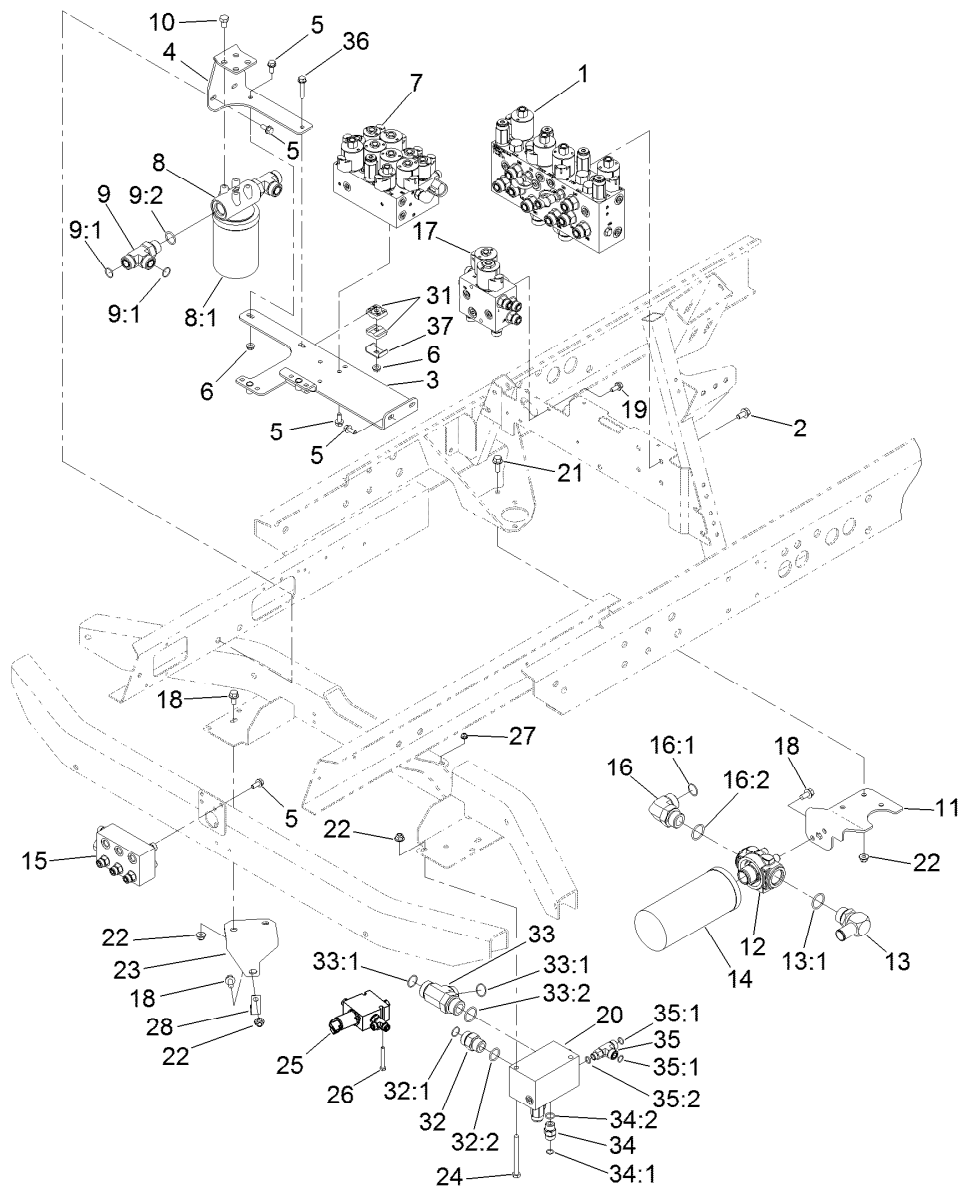


35 = included in overhaul seal kit

# Hydraulic Pump Assembly No. 132-6100 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|-----------------------------|
| 1           | 132-6203           | 1           | Control Kit        | 21          | 125-5282           | 4           | Screw                       |
| 1:1         | 132-6204           | 2           | Coil Kit           | 22          | 125-5270           | 4           | Screw                       |
| 1:2         | 125-5288           | 2           | O-Ring             | 23          | 125-5298           | 1           | O-Ring                      |
| 1:3         | 125-5273           | 1           | Nut-Seal           | 24          | 92-1353            | 1           | Shim Kit                    |
| 1:4         | 125-5302           | 1           | Plug               | 25          | 125-5301           | 1           | Plug                        |
| 1:5         | 125-5274           | 6           | Screw              | 26          | 75-0240            | 2           | O-Ring                      |
| 1:6         | 125-5272           | 6           | Screw              | 27          | 84-0560            | 2           | O-Ring                      |
| 1:7         | 125-5269           | 1           | Ring-Locking       | 28          | 69-3080            | 6           | Plug                        |
| 1:8         | 125-5266           | 1           | Screen             | 29          | 69-3130            | 1           | Plug                        |
| 1:9         | 125-5283           | 1           | Gasket-Control     | 30          | 75-0170            | 3           | Plug-Thread, Straight       |
| 2           | 132-6204           | 2           | Coil Kit           | 30:1        | 92-8777            | 1           | O-Ring                      |
| 3           | 136-4397           | 1           | Charge Relief Kit  | 31          | 125-5270           | 2           | Screw                       |
| 5           | 136-4399           | 1           | Shaft              | 32          | 110-6485           | 1           | Pin-Slotted                 |
| 6           | 75-0460            | 1           | Bearing-Ball       | 33          | 136-4393           | 1           | Valve-Relief, High Pressure |
| 7           | 125-5280           | 1           | Ring-Retaining     | 34          | 136-4392           | 1           | Valve-Relief, High Pressure |
| 8           | 131-8616           | 2           | Ring-Retaining     | 35          | 132-6205           | 1           | Overhaul Seal Kit           |
| 9           | 127-6214           | 1           | Seal-Lip           | 35:1        | 75-0240            | 2           | O-Ring                      |
| 10          | 136-4398           | 1           | Valve Plate        | 35:2        | 84-0560            | 2           | O-Ring                      |
| 11          | 132-6206           | 1           | O-Ring             | 35:3        | 125-5288           | 2           | O-Ring                      |
| 12          | 125-5288           | 2           | O-Ring             | 35:4        | 125-5283           | 1           | Gasket-Control              |
| 13          | 131-7388           | 2           | O-Ring             | 35:5        | 125-5298           | 1           | O-Ring                      |
| 14          | 125-5274           | 6           | Screw              | 35:6        | 132-6206           | 1           | O-Ring                      |
| 15          | 125-5302           | 1           | Plug               | 35:7        | 127-6214           | 1           | Seal-Lip                    |
| 16          | 125-5273           | 1           | Nut-Seal           | 35:8        |                    | 1           | Gasket ●                    |
| 17          | 125-5272           | 6           | Screw              | 35:9        |                    | 2           | O-Ring ●                    |
| 18          | 125-5283           | 1           | Gasket-Control     | 35:10       |                    | 2           | Piston Ring ●               |
| 19          | 125-5269           | 1           | Ring-Locking       | 35:11       |                    | 2           | O-Ring ●                    |
| 20          | 125-5266           | 1           | Screen             |             |                    |             |                             |

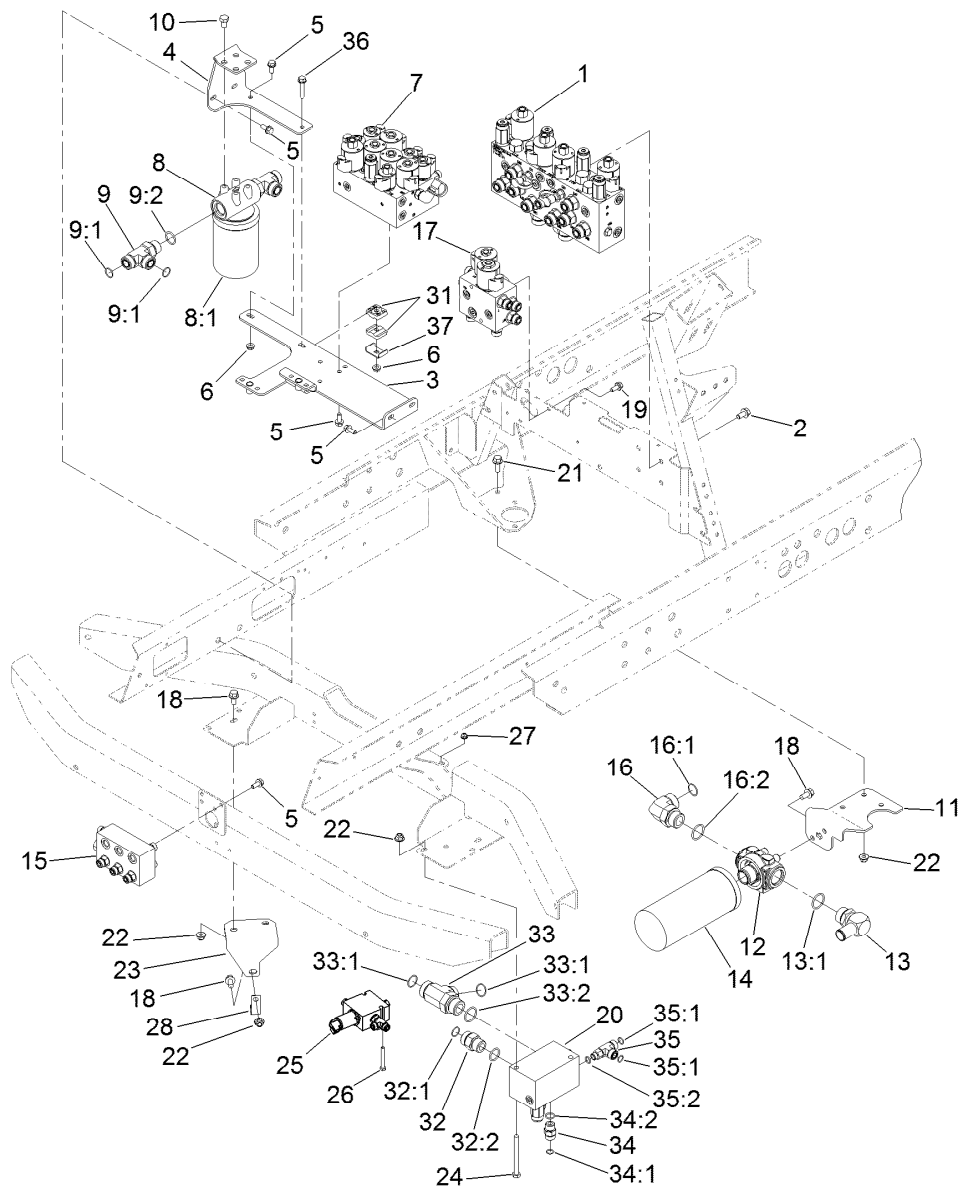
● Not serviced separately



## Hydraulic Valve Mounting Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 120-8064    | 1    | Mow Manifold ASM      |
| 2    | 110-1718    | 4    | Screw-HHSF,Patch      |
| 3    | 117-2362    | 1    | Bracket-Mount, Valve  |
| 4    | 104-5492-03 | 1    | Bracket-Mount, Filter |
| 5    | 3234-5      | 9    | Screw-HHF             |
| 6    | 32128-20    | 2    | Nut-HF                |
| 7    | 117-2388    | 1    | Lift Manifold ASM     |
| 8    | 93-2242     | 1    | Oil Filter ASM        |
| 8:1  | 75-1310     | 1    | Filter-HYD            |
| 9    | 340-148     | 2    | Fitting-Tee           |
| 9:1  | 237-81      | 1    | O-Ring                |
| 9:2  | 237-58      | 2    | O-Ring                |
| 10   | 33115-016   | 4    | Screw-HH              |
| 11   | 120-8022-03 | 1    | Plate-Mount, Filter   |
| 12   | 121-1577    | 1    | Head-Filter           |
| 13   | 23-8910     | 1    | Stem-Barb-90          |
| 13:1 | 237-146     | 1    | O-Ring                |
| 14   | 94-2621     | 1    | Element-Filter        |
| 15   | 117-2394    | 1    | Junction Manifold ASM |
| 16   | 340-129     | 1    | Fitting-Elbow, 90 DEG |
| 16:1 | 237-146     | 1    | O-Ring                |

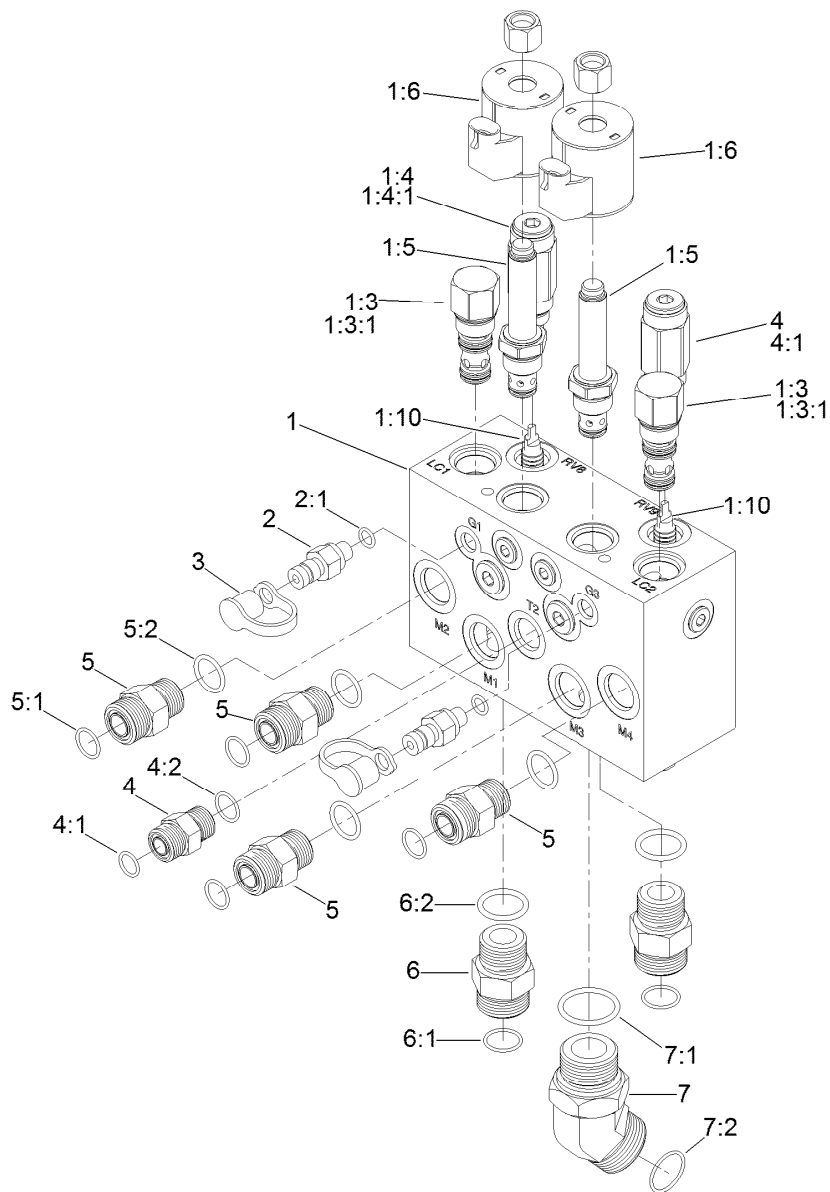
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 16:2 | 340-65      | 1    | O-Ring                     |
| 17   | 117-2395    | 1    | Fan Drive Manifold ASM     |
| 18   | 3234-1      | 5    | Screw-HHF                  |
| 19   | 100-1668    | 2    | Screw-HHF                  |
| 20   | 121-3078    | 1    | Rear Traction Manifold ASM |
| 21   | 3234-11     | 2    | Screw-HHF                  |
| 22   | 104-8301    | 7    | Nut-HF, NI                 |
| 23   | 121-3089-03 | 1    | Plate-Mount,Tube           |
| 24   | 323-42      | 2    | Screw-HH                   |
| 25   | 138-6946    | 1    | 3-Way Valve Manifold ASM   |
| 26   | 321-11      | 2    | Screw-HH                   |
| 27   | 104-7201    | 2    | Nut-HF, NI                 |
| 28   | 2412-150    | 1    | Clip-J                     |
| 31   | 56-7973     | 2    | Clamp-Tube                 |
| 32   | 340-9       | 1    | Fitting-STR                |
| 32:1 | 237-58      | 1    | O-Ring                     |
| 32:2 | 237-81      | 1    | O-Ring                     |
| 33   | 104-3795    | 1    | Fitting-Tee                |
| 33:1 | 340-65      | 2    | O-Ring                     |
| 33:2 | 237-146     | 1    | O-Ring                     |
| 34   | 340-4       | 1    | Fitting-Straight           |



## Hydraulic Valve Mounting Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 34:1 | 237-30      | 1    | O-Ring      |
| 34:2 | 237-79      | 1    | O-Ring      |
| 35   | 110-0064    | 1    | Fitting-Tee |
| 35:1 | 237-30      | 2    | O-Ring      |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 35:2 | 237-42      | 1    | O-Ring             |
| 36   | 94-5780     | 1    | Screw-HWH          |
| 37   | 119-1418    | 1    | Plate-Clamp, Short |

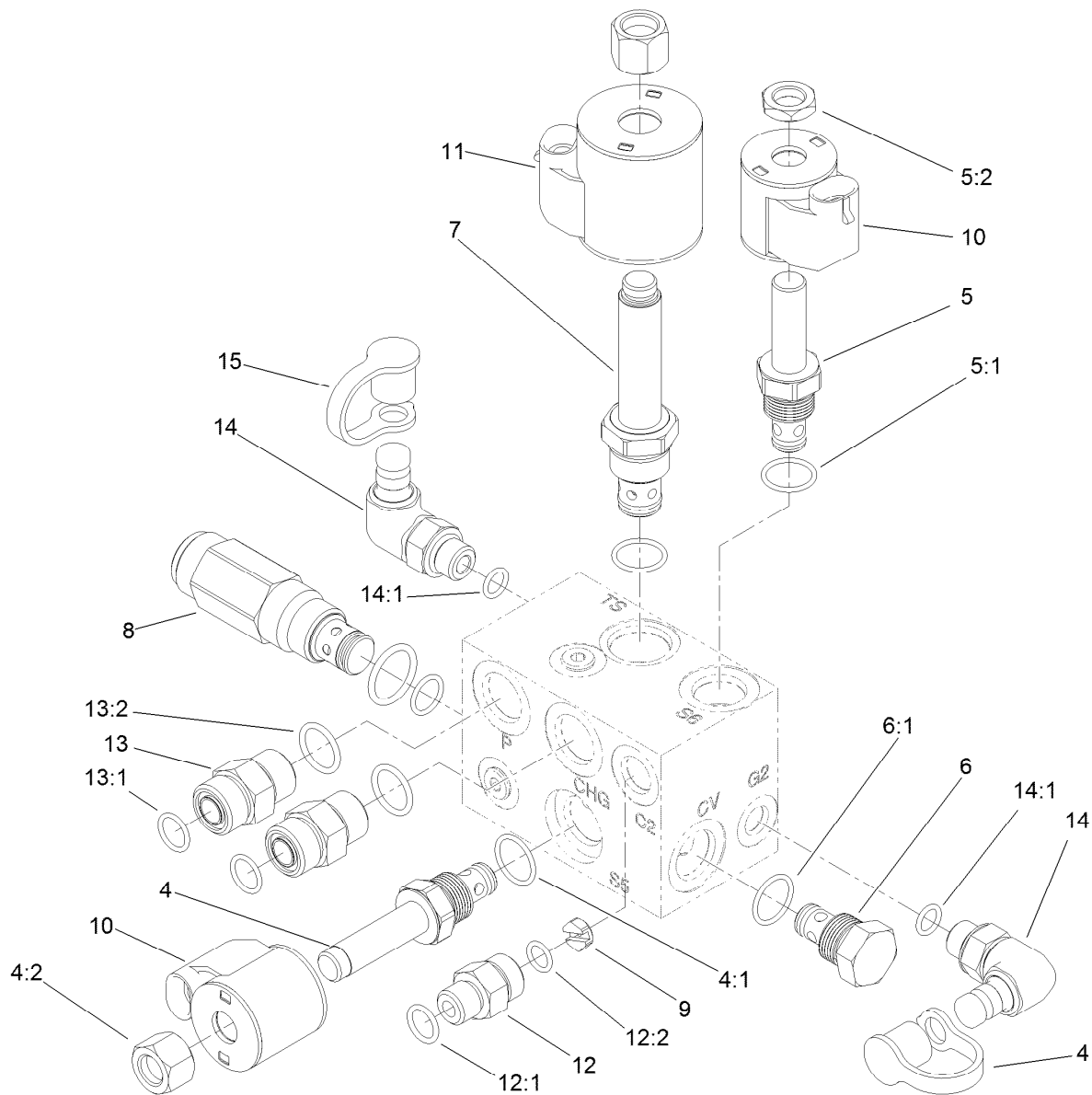


## Mow Manifold Assembly No. 120-8064

| Ref.  | Part Number | Qty. | Description                |
|-------|-------------|------|----------------------------|
| 1     |             | 1    | Manifold-Mow ●             |
| 1:3   | 105-9153    | 2    | Element-Logic, Vented      |
| 1:3:1 | 119-2159    | 1    | Seal Kit                   |
| 1:4   | 112-5259    | 2    | Valve-Relief               |
| 1:4:1 | 105-9156    | 1    | Seal Kit                   |
| 1:5   | 110-8799    | 2    | Valve-Relief, Proportional |
| 1:6   | 110-6344    | 2    | Coil-12V, DC               |
| 1:10  | 105-9157    | 2    | Piston-Pilot               |
| 2     | 354-77      | 2    | Fitting-Quick              |
| 2:1   | 237-78      | 1    | O-Ring                     |
| 3     | 354-79      | 2    | Cap-Dust                   |
| 4     | 340-4       | 1    | Fitting-Straight           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 4:1  | 237-30      | 1    | O-Ring              |
| 4:2  | 237-79      | 1    | O-Ring              |
| 5    | 340-7       | 4    | Fitting-Straight    |
| 5:1  | 237-65      | 1    | O-Ring              |
| 5:2  | 237-80      | 1    | O-Ring              |
| 6    | 340-9       | 1    | Fitting-STR         |
| 6:1  | 237-58      | 1    | O-Ring              |
| 6:2  | 237-81      | 1    | O-Ring              |
| 7    | 104-3509    | 1    | Fitting-HYD, 45 DEG |
| 7:1  | 237-146     | 1    | O-Ring              |
| 7:2  | 340-65      | 1    | O-Ring              |

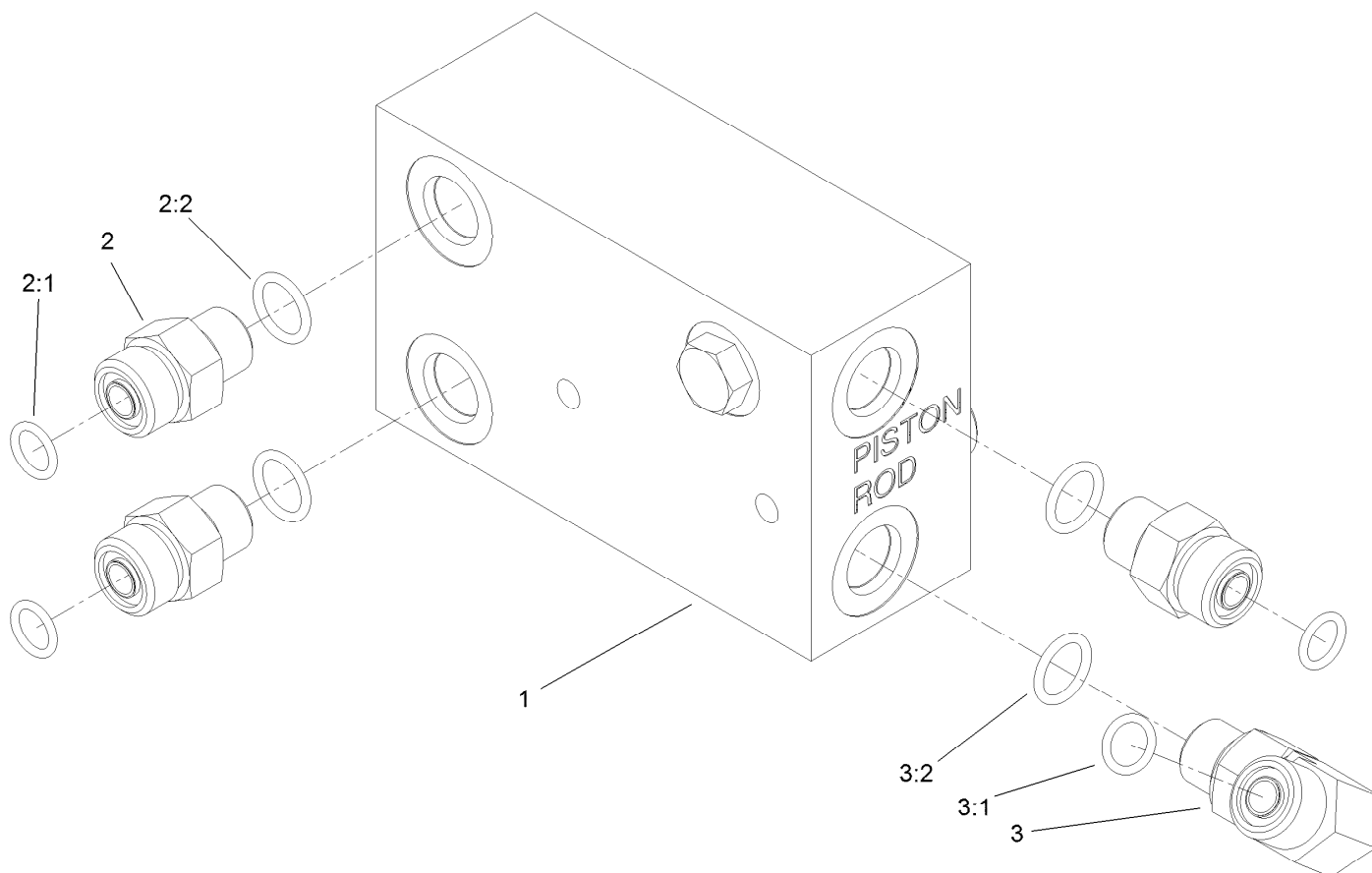
● Not serviced separately



## Lift Manifold Assembly No. 117-2388

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 4    | 107-7517    | 1    | Valve-Solenoid             |
| 4:1  | 105-9156    | 1    | Seal Kit                   |
| 4:2  | 107-7812    | 1    | Nut-Solenoid               |
| 5    | 112-9206    | 1    | Solenoid Valve ASM         |
| 5:1  | 105-9156    | 1    | Seal Kit                   |
| 5:2  | 110-2634    | 1    | Nut-Coil                   |
| 6    | 105-9321    | 1    | Check Valve ASM            |
| 6:1  | 105-9156    | 1    | Seal Kit                   |
| 7    | 117-2399    | 1    | Relief Valve-Proportional  |
| 8    | 117-4793    | 1    | Valve-Relief               |
| 9    | 117-4756    | 1    | Orifice-Flow Control, .080 |

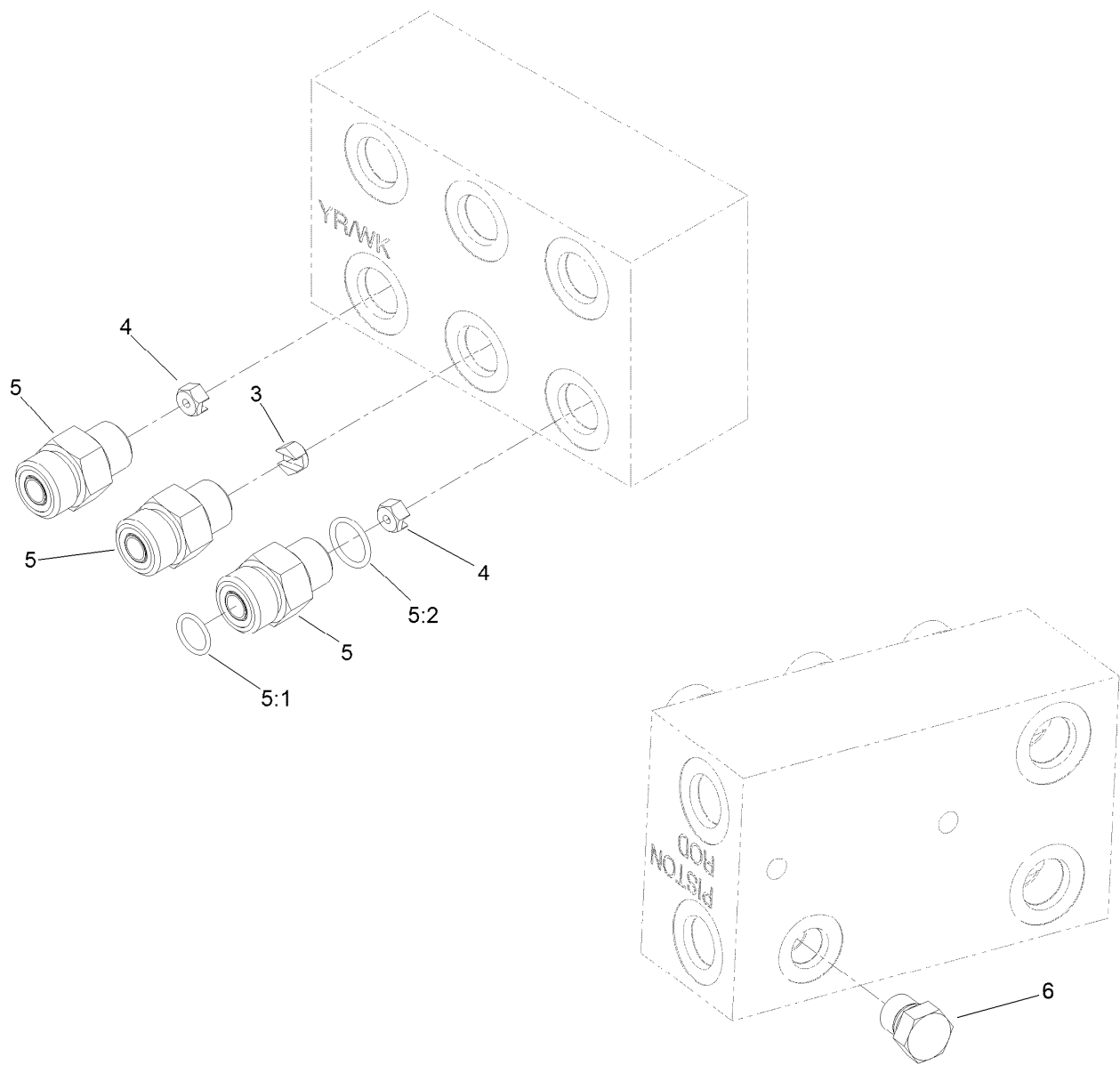
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 110-0497    | 2    | Coil-Solenoid         |
| 11   | 110-6344    | 1    | Coil-12V, DC          |
| 12   | 340-2       | 1    | Fitting-Straight      |
| 12:1 | 237-22      | 1    | O-Ring                |
| 12:2 | 237-42      | 1    | O-Ring                |
| 13   | 340-4       | 2    | Fitting-Straight      |
| 13:1 | 237-30      | 1    | O-Ring                |
| 13:2 | 237-79      | 1    | O-Ring                |
| 14   | 115-9147    | 2    | Fitting-Elbow, 90 DEG |
| 14:1 | 237-78      | 1    | O-Ring                |
| 15   | 354-79      | 2    | Cap-Dust              |



## Junction Manifold Assembly No. 117-2394

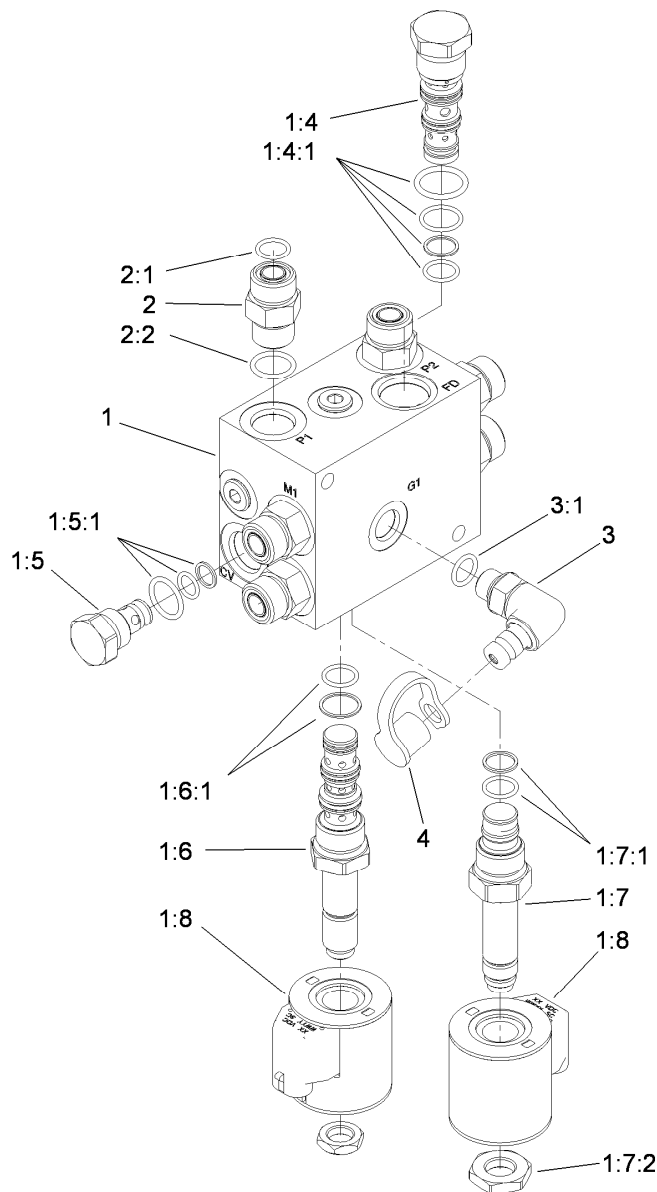
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    |             | 1    | Manifold-Junction ●   |
| 2    | 340-2       | 3    | Fitting-Straight      |
| 2:1  | 237-22      | 1    | O-Ring                |
| 2:2  | 237-42      | 1    | O-Ring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

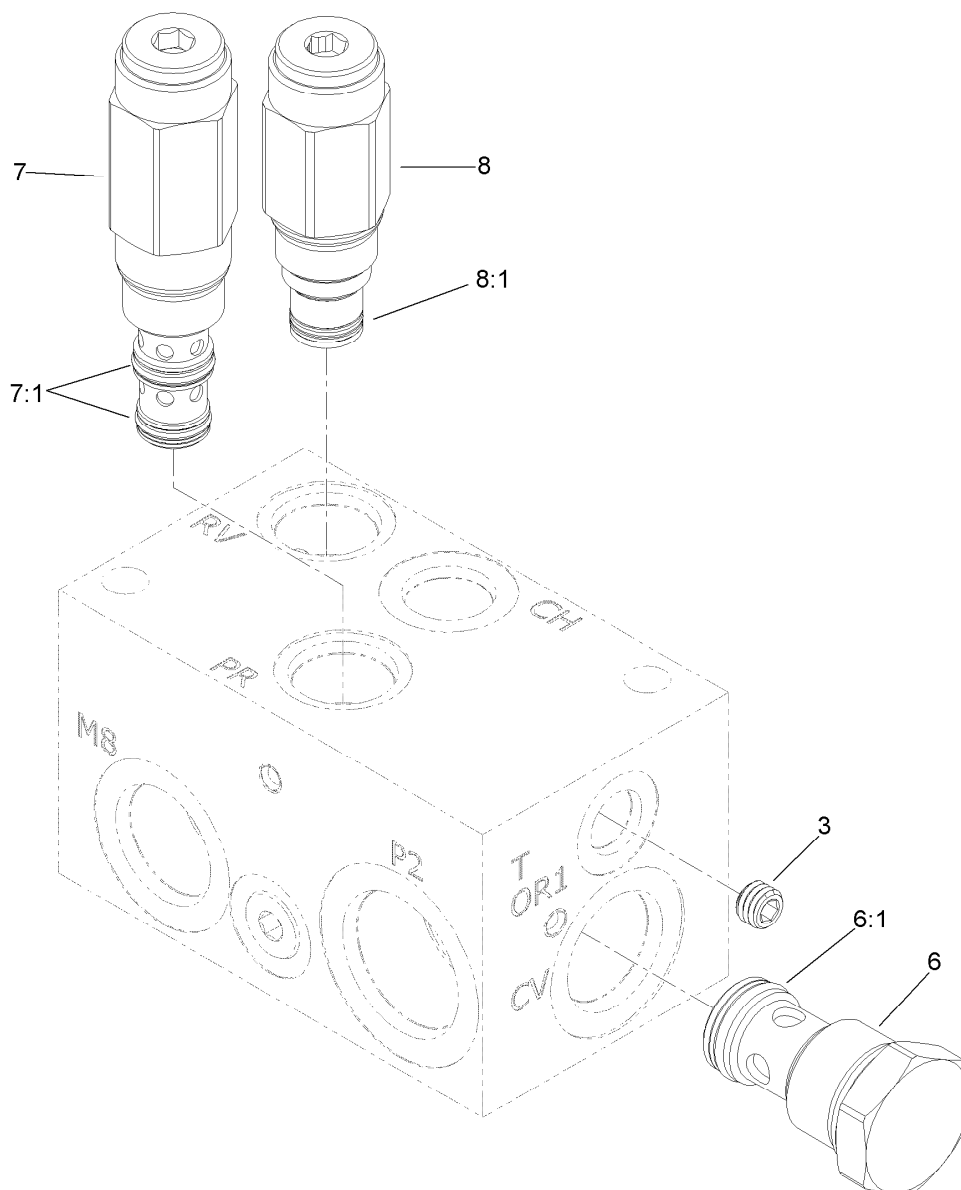


## Fan Drive Manifold Assembly No. 117-2395

| Ref.  | Part Number | Qty. | Description                    |
|-------|-------------|------|--------------------------------|
| 1     |             | 1    | Fan Drive Manifold ASM ●       |
| 1:4   | 115-3024    | 1    | Valve-Flow<br>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            |

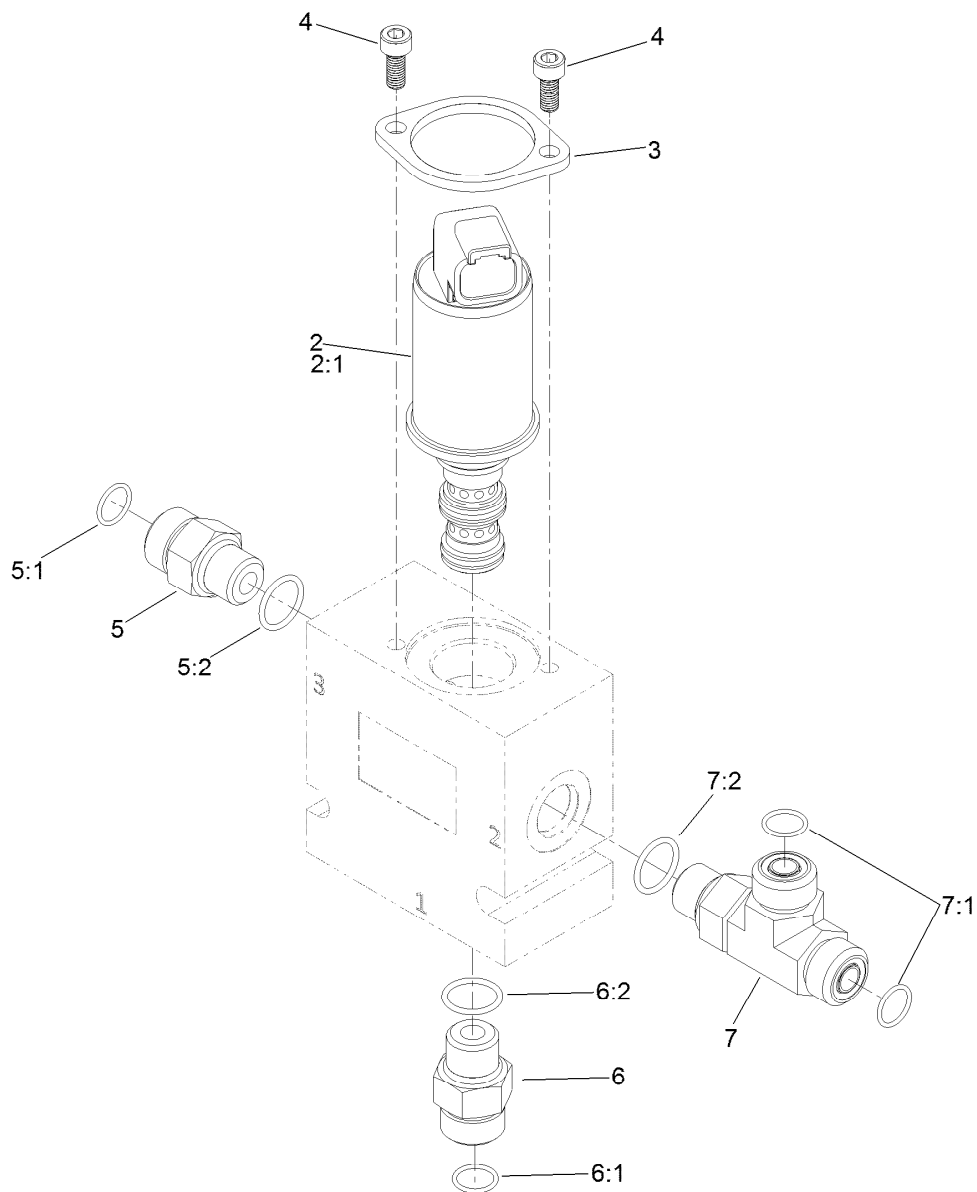
| Ref.  | Part Number | Qty. | Description      |
|-------|-------------|------|------------------|
| 1:7:1 | 110-6316    | 1    | Seal Kit         |
| 1:7:2 | 119-7715    | 1    | Nut-Coil         |
| 1:8   | 110-6344    | 2    | Coil-12V, DC     |
| 2     | 340-4       | 7    | Fitting-Straight |
| 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



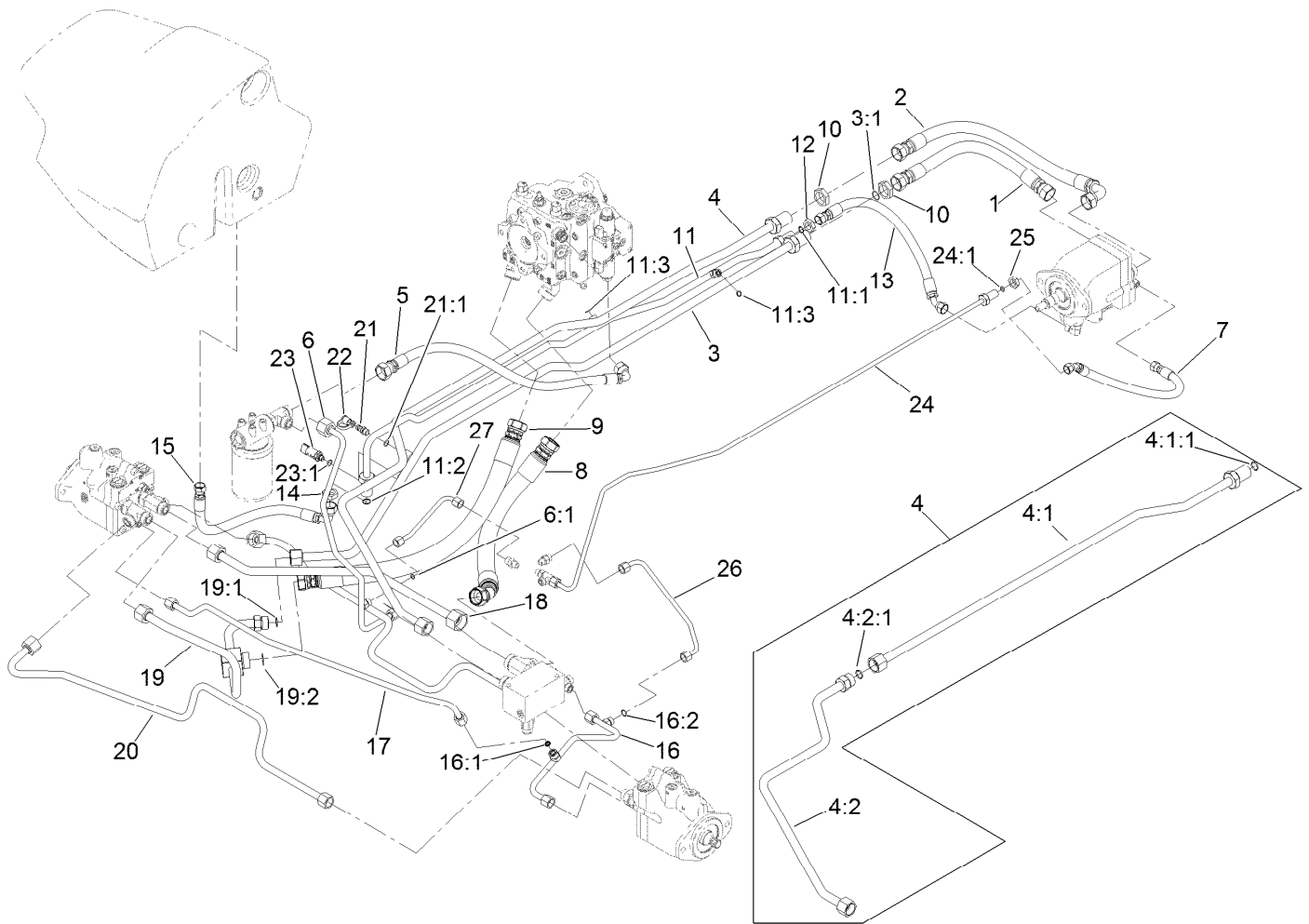
## Rear Traction Manifold Assembly No. 121-3078

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 3    | 110-0495    | 1    | Plug-Orifice (0.050 Inch) |
| 6    | 125-4328    | 1    | Valve-Check               |
| 6:1  | 125-4336    | 1    | Seal Kit                  |
| 7    | 125-7567    | 1    | Valve-Pressure Reducing   |
| 7:1  | 125-4334    | 1    | Seal Kit                  |
| 8    | 125-7566    | 1    | Valve-Relief              |
| 8:1  | 110-6316    | 1    | Seal Kit                  |



## 3-Way Valve Manifold Assembly No. 138-6946

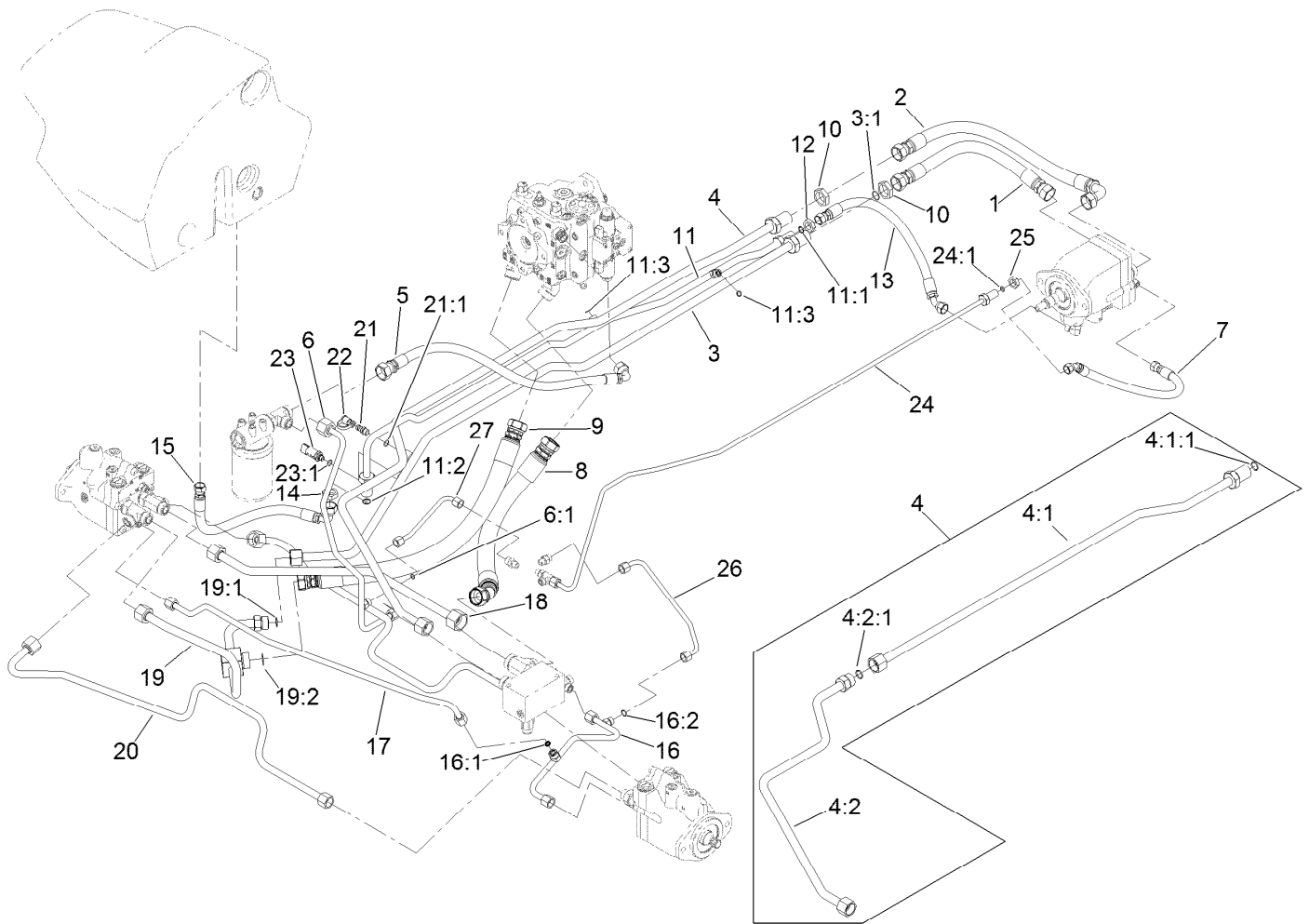
| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 2    | 138-3828    | 1    | Valve-Solenoid, 3 Way 2 Position |
| 2:1  | 138-3831    | 1    | Seal Kit                         |
| 3    | 138-3825    | 2    | Plate-Mounting, Standard         |
| 4    | 138-3827    | 1    | Screw                            |
| 5    | 92-9258     | 1    | Adapter-Check                    |
| 5:1  | 237-22      | 1    | O-Ring                           |
| 5:2  | 237-42      | 1    | O-Ring                           |
| 6    | 340-2       | 1    | Fitting-Straight                 |
| 6:1  | 237-22      | 1    | O-Ring                           |
| 6:2  | 237-42      | 1    | O-Ring                           |
| 7    | 340-86      | 1    | Fitting-Tee                      |
| 7:1  | 237-22      | 2    | O-Ring                           |
| 7:2  | 237-42      | 1    | O-Ring                           |



## Hydraulic Traction Circuit Assembly

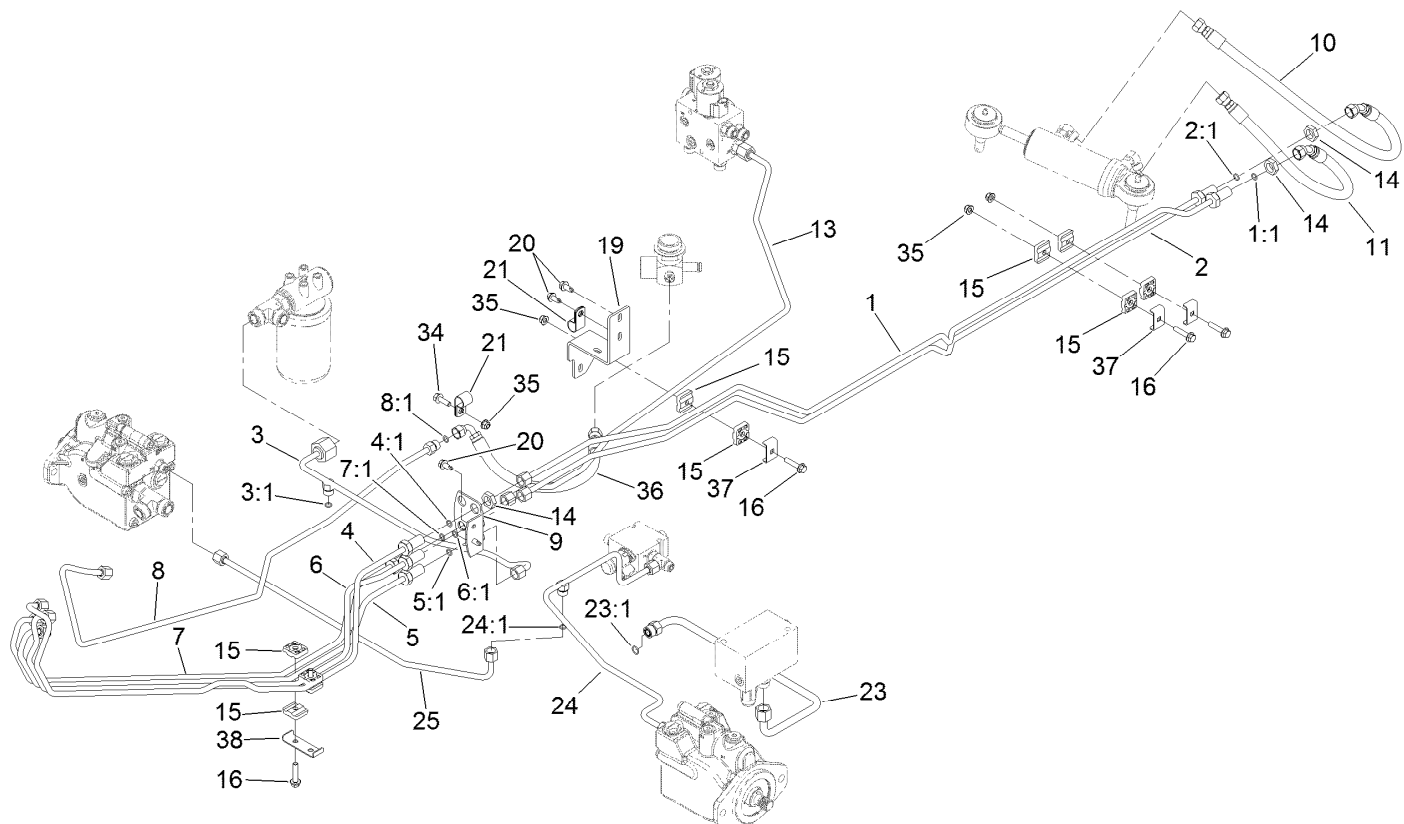
| Ref.  | Part Number | Qty. | Description     |
|-------|-------------|------|-----------------|
| 1     | 120-8053    | 1    | Hose ASM        |
| 2     | 104-3789    | 1    | Filter Hose ASM |
| 3     | 120-8079    | 1    | Tube ASM        |
| 3:1   | 237-58      | 1    | O-Ring          |
| 4     | 136-2945    | 1    | HYD Tube Kit    |
| 4:1   | 138-1246    | 1    | Tube ASM        |
| 4:1:1 | 237-58      | 1    | O-Ring          |
| 4:2   | 138-1247    | 1    | Tube ASM        |
| 4:2:1 | 237-58      | 1    | O-Ring          |
| 5     | 136-2925    | 1    | Hose ASM        |
| 6     | 120-8047    | 1    | Tube ASM        |
| 6:1   | 237-22      | 1    | O-Ring          |
| 7     | 92-7595     | 1    | Hose-HYD        |
| 8     | 136-2927    | 1    | Hose ASM        |
| 9     | 136-2928    | 1    | Hose ASM        |
| 10    | 340-126     | 2    | Nut-Bulkhead    |
| 11    | 136-2882    | 1    | HYD Tube ASM    |
| 11:1  | 237-30      | 1    | O-Ring          |
| 11:2  | 237-65      | 1    | O-Ring          |
| 11:3  | 237-22      | 2    | O-Ring          |
| 12    | 340-127     | 1    | Nut-Bulkhead    |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 13   | 92-2406     | 1    | Hose-HYD                |
| 14   | 340-74      | 1    | Nut-Lock, Bulkhead      |
| 15   | 136-2911    | 1    | Hose ASM                |
| 16   | 121-3055    | 1    | Tube ASM                |
| 16:1 | 237-30      | 1    | O-Ring                  |
| 16:2 | 237-22      | 1    | O-Ring                  |
| 17   | 121-3056    | 1    | Tube ASM                |
| 18   | 121-3123    | 1    | Tube ASM                |
| 19   | 125-4569    | 1    | Tube ASM                |
| 19:1 | 237-58      | 1    | O-Ring                  |
| 19:2 | 340-65      | 1    | O-Ring                  |
| 20   | 121-3054    | 2    | Tube ASM                |
| 21   | 59-7410     | 1    | Fitting-Diagnostic      |
| 21:1 | 237-42      | 1    | O-Ring                  |
| 22   | 354-79      | 1    | Cap-Dust                |
| 23   | 119-0011    | 1    | Pressure Transducer ASM |
| 23:1 | 237-78      | 1    | O-Ring                  |
| 24   | 120-8052    | 1    | Tube ASM                |
| 24:1 | 237-22      | 1    | O-Ring                  |
| 25   | 340-70      | 1    | Nut-Lock                |



## Hydraulic Traction Circuit Assembly (continued)

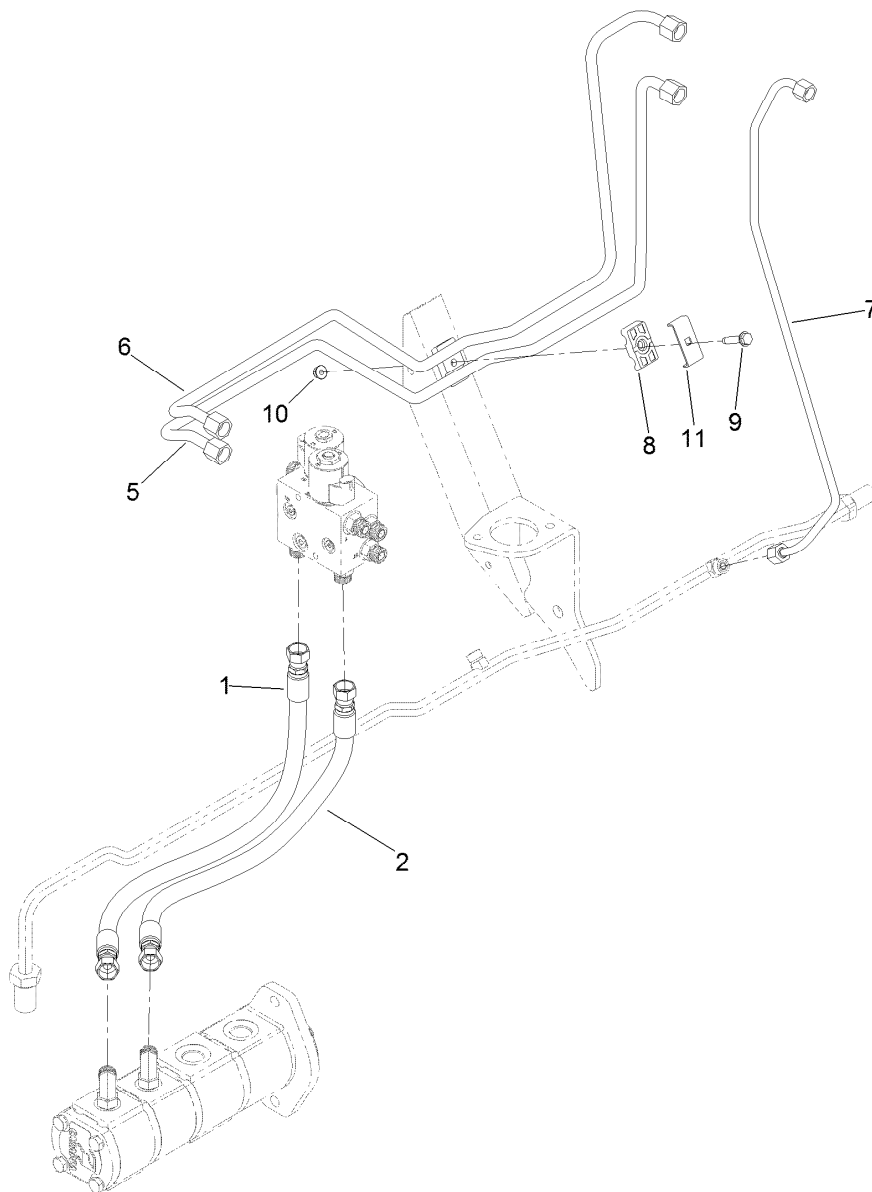
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 26   | 125-4563    | 1    | Tube ASM    |
| 27   | 125-4566    | 1    | Tube ASM    |



## Steering Hydraulic Assembly

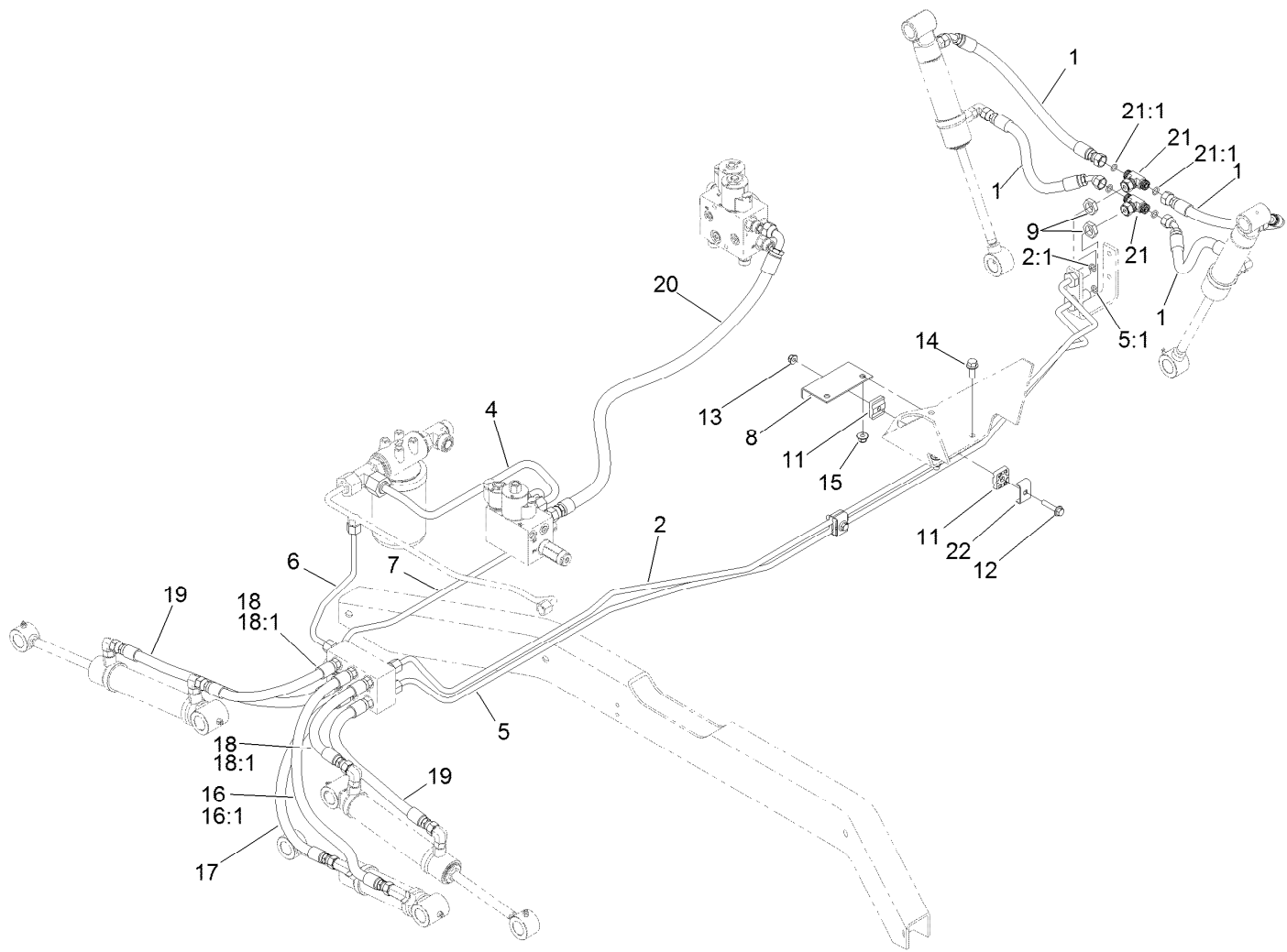
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 120-8056    | 1    | Tube ASM         |
| 1:1  | 237-22      | 1    | O-Ring           |
| 2    | 120-8055    | 1    | Tube ASM         |
| 2:1  | 237-22      | 1    | O-Ring           |
| 3    | 115-4412    | 1    | Tube ASM         |
| 3:1  | 237-22      | 1    | O-Ring           |
| 4    | 115-4408    | 1    | Tube ASM         |
| 4:1  | 237-22      | 1    | O-Ring           |
| 5    | 115-4406    | 1    | Tube ASM         |
| 5:1  | 237-22      | 1    | O-Ring           |
| 6    | 115-4409    | 1    | Tube ASM         |
| 6:1  | 237-22      | 1    | O-Ring           |
| 7    | 115-4405    | 1    | Tube ASM         |
| 7:1  | 237-22      | 1    | O-Ring           |
| 8    | 125-4581    | 1    | Tube ASM         |
| 8:1  | 237-22      | 1    | O-Ring           |
| 9    | 92-7606-03  | 1    | Bracket-Bulkhead |
| 10   | 125-4560    | 1    | Hose ASM         |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 11   | 92-7539     | 1    | Hose-HYD              |
| 13   | 120-8057    | 1    | Tube ASM              |
| 14   | 340-70      | 6    | Nut-Lock              |
| 15   | 56-7973     | 10   | Clamp-Tube            |
| 16   | 115-1794    | 5    | Screw-HHF             |
| 19   | 105-3993-03 | 1    | Bracket-Support, Tube |
| 20   | 32104-32    | 4    | Screw-HWH             |
| 21   | 2412-81     | 2    | Clamp-R               |
| 23   | 125-4570    | 1    | Tube ASM              |
| 23:1 | 237-30      | 1    | O-Ring                |
| 24   | 121-3064    | 1    | Tube ASM              |
| 24:1 | 237-22      | 1    | O-Ring                |
| 25   | 121-3063    | 1    | Tube ASM              |
| 34   | 3234-29     | 1    | Screw-HHF             |
| 35   | 104-8300    | 4    | Nut-HF, NI            |
| 36   | 92-5694     | 1    | Hose-Hydraulic        |
| 37   | 119-1418    | 3    | Plate-Clamp, Short    |
| 38   | 131-7789    | 1    | Plate-Bent, Clamp     |



## Hydraulic Lift Circuit Assembly

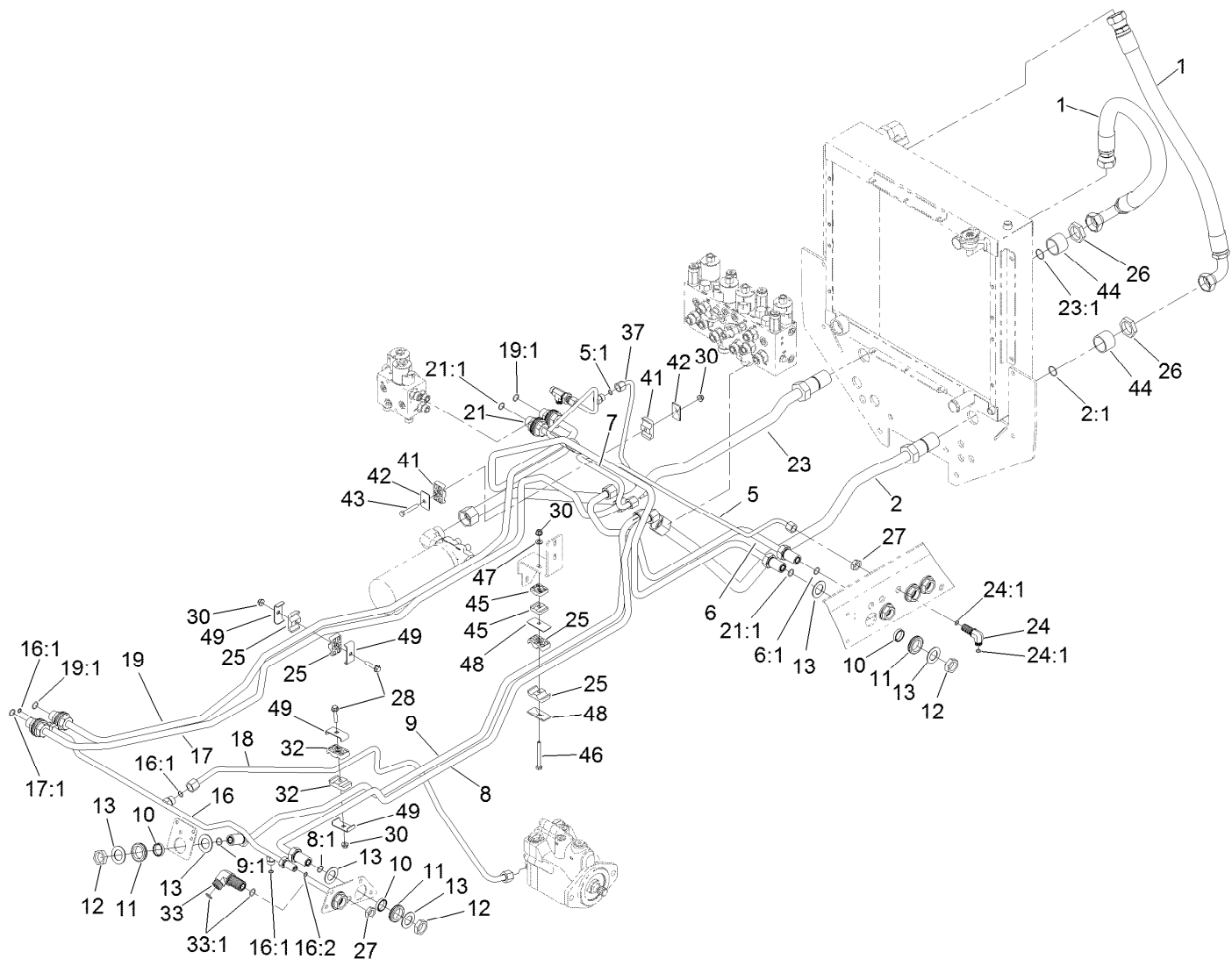
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 125-4558    | 1    | Hose ASM    |
| 2    | 95-8829     | 1    | Hose ASM    |
| 5    | 125-4601    | 1    | Tube ASM    |
| 6    | 125-4599    | 1    | Tube ASM    |
| 7    | 125-4602    | 1    | Tube ASM    |
| 8    | 56-7976     | 2    | Clamp-Tube  |
| 9    | 32144-57    | 1    | Screw       |
| 10   | 104-8300    | 1    | Nut-HF, NI  |
| 11   | 119-1419    | 1    | Plate-Clamp |



## Deck Lift Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 105-9238    | 4    | Hose-HYD              |
| 2    | 121-3103    | 1    | Tube ASM              |
| 2:1  | 237-22      | 1    | O-Ring                |
| 4    | 114-8143    | 1    | Tube-HYD              |
| 5    | 121-3104    | 1    | Tube ASM              |
| 5:1  | 237-22      | 1    | O-Ring                |
| 6    | 115-9121    | 1    | Tube-HYD              |
| 7    | 114-8142    | 1    | Tube-HYD              |
| 8    | 105-3990-03 | 1    | Bracket-Support, Tube |
| 9    | 340-70      | 2    | Nut-Lock              |
| 11   | 56-7973     | 4    | Clamp-Tube            |
| 12   | 115-1794    | 2    | Screw-HHF             |
| 13   | 104-8300    | 2    | Nut-HF, NI            |

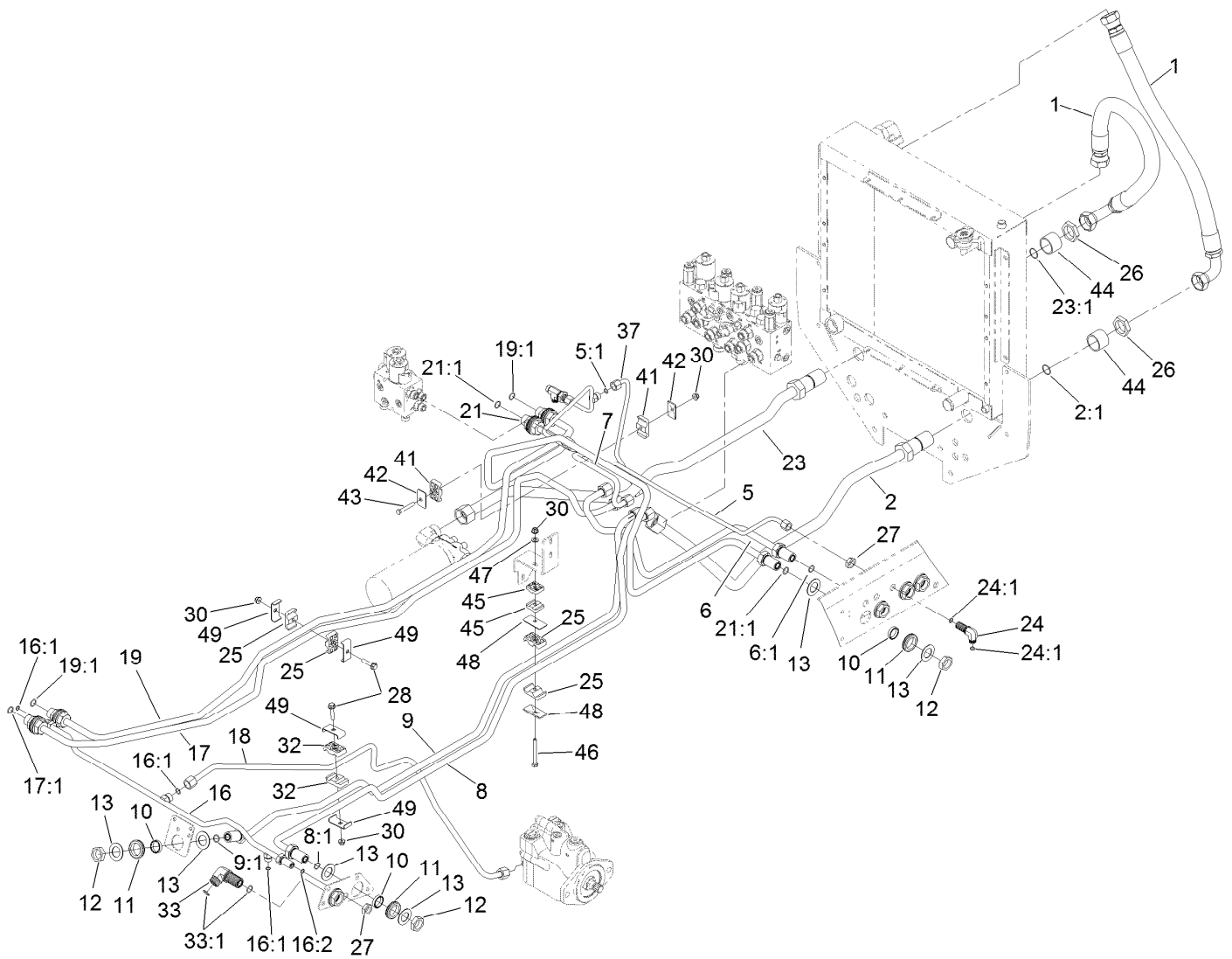
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 14   | 3234-11     | 2    | Screw-HHF          |
| 15   | 104-8301    | 2    | Nut-HF, NI         |
| 16   | 104-5511    | 1    | Hose -HYD          |
| 16:1 | 237-42      | 1    | O-Ring             |
| 17   | 100-5629    | 1    | Hose ASM           |
| 18   | 104-5512    | 2    | Hose-HYD           |
| 18:1 | 237-42      | 1    | O-Ring             |
| 19   | 99-3579     | 2    | Hose-HYD           |
| 20   | 131-7758    | 1    | Hose ASM           |
| 21   | 340-166     | 2    | Fitting-Tee        |
| 21:1 | 237-22      | 2    | O-Ring             |
| 22   | 119-1418    | 3    | Plate-Clamp, Short |



## Hydraulic Mow Circuit Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 108-1689    | 2    | Hose-HYD           |
| 2    | 125-4574    | 1    | Tube ASM           |
| 2:1  | 340-65      | 1    | O-Ring             |
| 5    | 121-3114    | 1    | Tube ASM           |
| 5:1  | 237-22      | 1    | O-Ring             |
| 6    | 125-4557    | 1    | Tube ASM           |
| 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   | 125-1984    | 9    | Spacer             |
| 11   | 240-3       | 9    | Grommet-Rubber     |
| 12   | 340-74      | 9    | Nut-Lock, Bulkhead |
| 13   | 69-9010     | 18   | Washer             |
| 16   | 120-8081    | 1    | Tube ASM           |
| 16:1 | 237-30      | 1    | O-Ring             |
| 16:2 | 237-22      | 3    | O-Ring             |
| 17   | 125-4556    | 1    | Tube ASM           |
| 17:1 | 237-65      | 1    | O-Ring             |

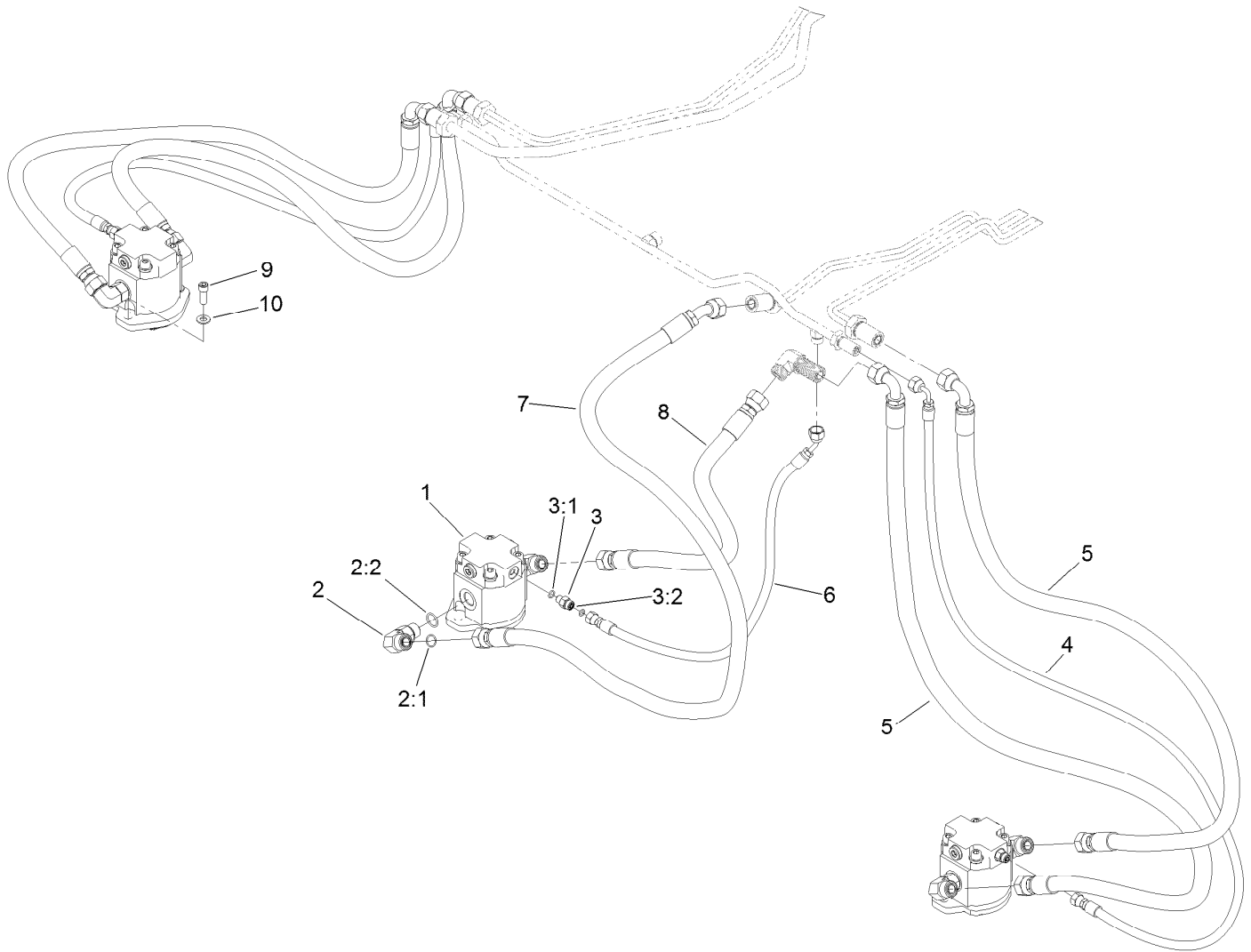
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 18   | 120-8082    | 1    | Tube ASM                 |
| 19   | 105-3901    | 1    | Tube ASM                 |
| 19:1 | 237-65      | 2    | O-Ring                   |
| 21   | 121-3113    | 1    | Tube ASM                 |
| 21:1 | 237-65      | 2    | O-Ring                   |
| 23   | 125-4573    | 1    | Tube ASM                 |
| 23:1 | 340-65      | 1    | O-Ring                   |
| 24   | 340-154     | 2    | Union-Bulkhead           |
| 24:1 | 237-22      | 2    | O-Ring                   |
| 25   | 56-7971     | 4    | Clamp-Tube               |
| 26   | 340-128     | 2    | Nut-Bulkhead             |
| 27   | 340-70      | 4    | Nut-Lock                 |
| 28   | 94-5780     | 2    | Screw-HWH                |
| 30   | 104-8300    | 4    | Nut-HF, NI               |
| 32   | 56-7972     | 2    | Clamp-Tube               |
| 33   | 340-72      | 1    | Fitting-Bulkhead, 90 DEG |
| 33:1 | 237-65      | 2    | O-Ring                   |
| 37   | 121-3115    | 1    | Tube ASM                 |
| 41   | 56-7977     | 2    | Clamp-Tube               |
| 42   | 69-9760     | 2    | Plate-Cover              |
| 43   | 322-10      | 1    | Screw-HH                 |



## Hydraulic Mow Circuit Assembly (continued)

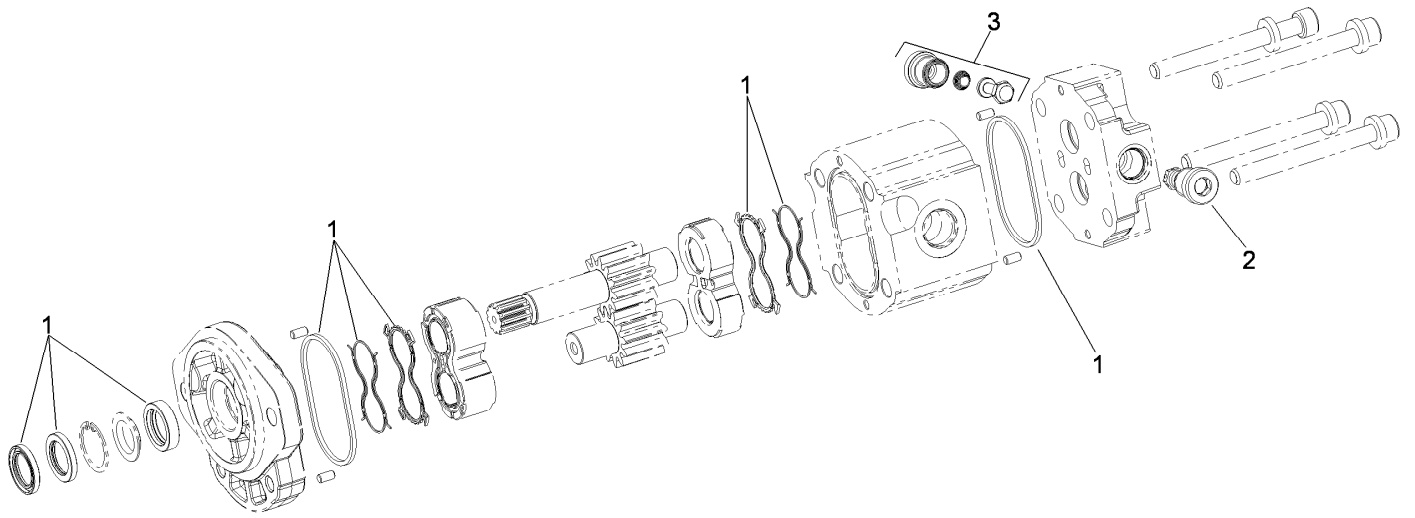
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 44   | 125-4577    | 2    | Spacer      |
| 45   | 56-7973     | 2    | Clamp-Tube  |
| 46   | 322-14      | 1    | Screw-HH    |

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 47   | 3256-23     | 1    | Washer-Plain |
| 48   | 69-9761     | 2    | Plate-Cover  |
| 49   | 119-1419    | 4    | Plate-Clamp  |



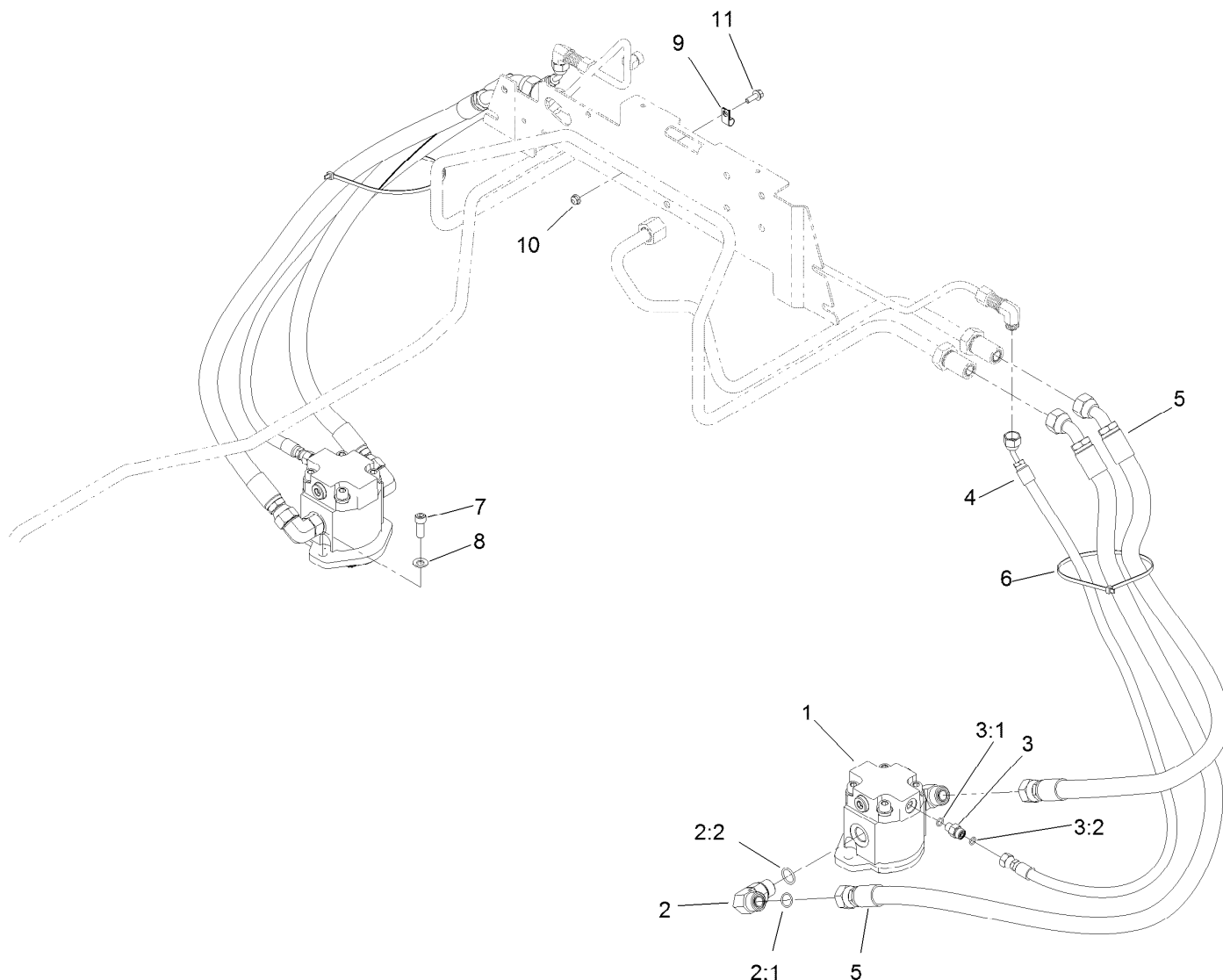
## Deck No. 1, 4 and 5 Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 117-5141    | 3    | HYD Motor ASM         |
| 2    | 340-17      | 6    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-80      | 1    | O-Ring                |
| 3    | 340-92      | 3    | Fitting-Straight      |
| 3:1  | 237-78      | 1    | O-Ring                |
| 3:2  | 237-21      | 1    | O-Ring                |
| 4    | 104-5500    | 2    | Hose-HYD              |
| 5    | 104-5501    | 4    | Hose-HYD              |
| 6    | 104-5502    | 1    | Hose-HYD              |
| 7    | 104-5504    | 1    | Hose-HYD              |
| 8    | 104-5505    | 1    | Hose-HYD              |
| 9    | 3274-7      | 6    | Screw-HSH             |
| 10   | 3256-24     | 6    | Washer-Plain          |



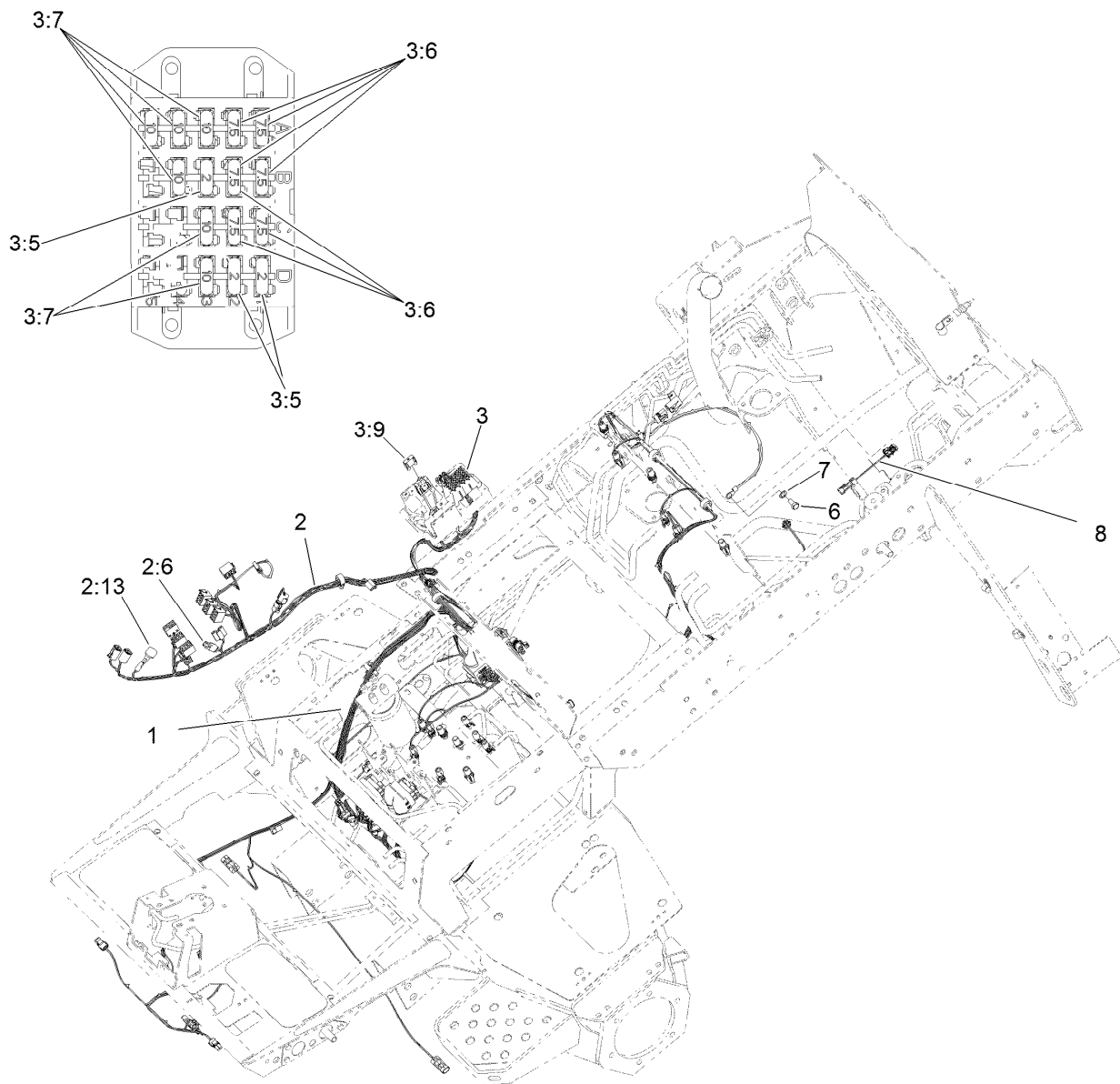
## Gear Motor Assembly No. 117-5141

| <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 |



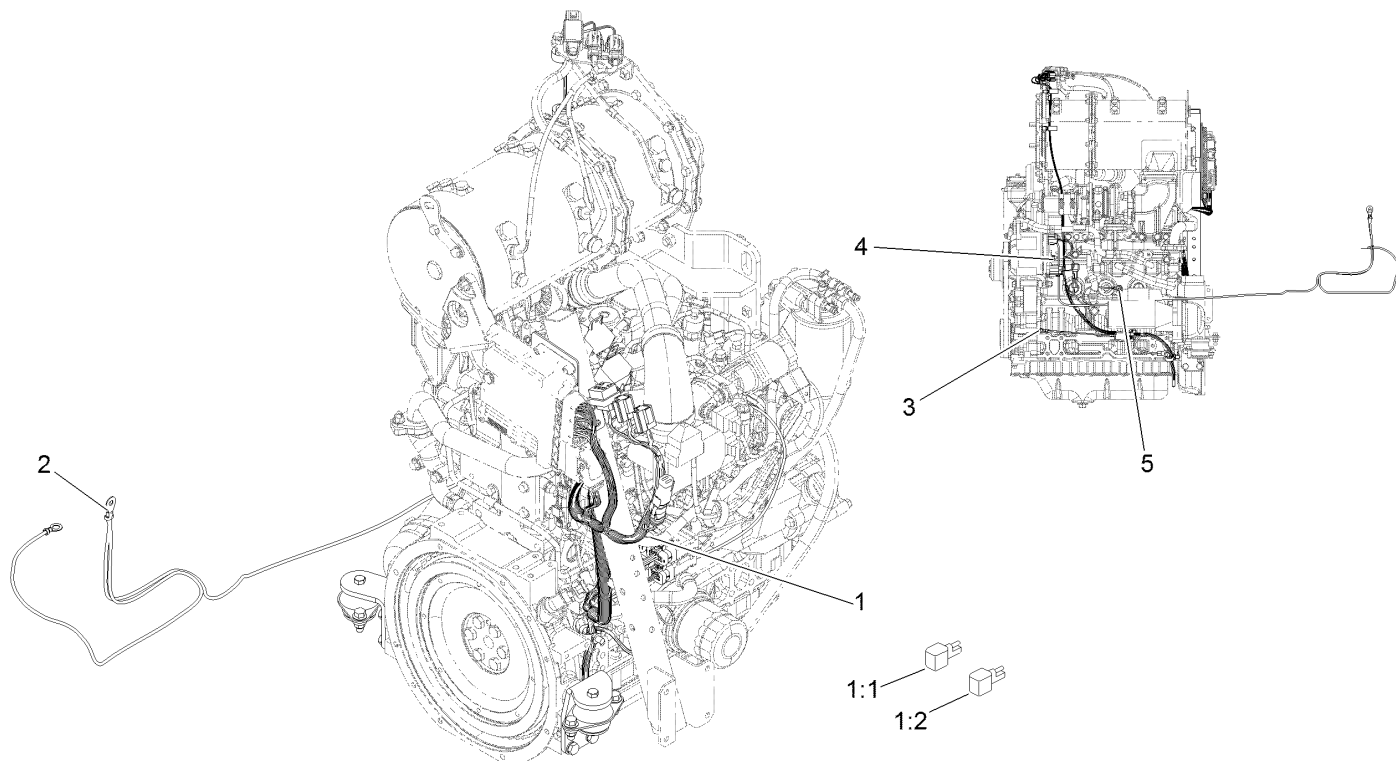
## Deck No. 2 and 3 Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 117-5141    | 2    | HYD Motor ASM         |
| 2    | 340-17      | 4    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-80      | 1    | O-Ring                |
| 3    | 340-92      | 2    | Fitting-Straight      |
| 3:1  | 237-78      | 1    | O-Ring                |
| 3:2  | 237-21      | 1    | O-Ring                |
| 4    | 104-5502    | 2    | Hose-HYD              |
| 5    | 104-5505    | 4    | Hose-HYD              |
| 6    | 3290-379    | 2    | Tie-Cable             |
| 7    | 3274-7      | 4    | Screw-HSH             |
| 8    | 3256-24     | 4    | Washer-Plain          |
| 9    | 2412-89     | 1    | Clamp-R               |
| 10   | 104-7201    | 1    | Nut-HF, NI            |
| 11   | 3234-4      | 1    | Screw-HHF             |



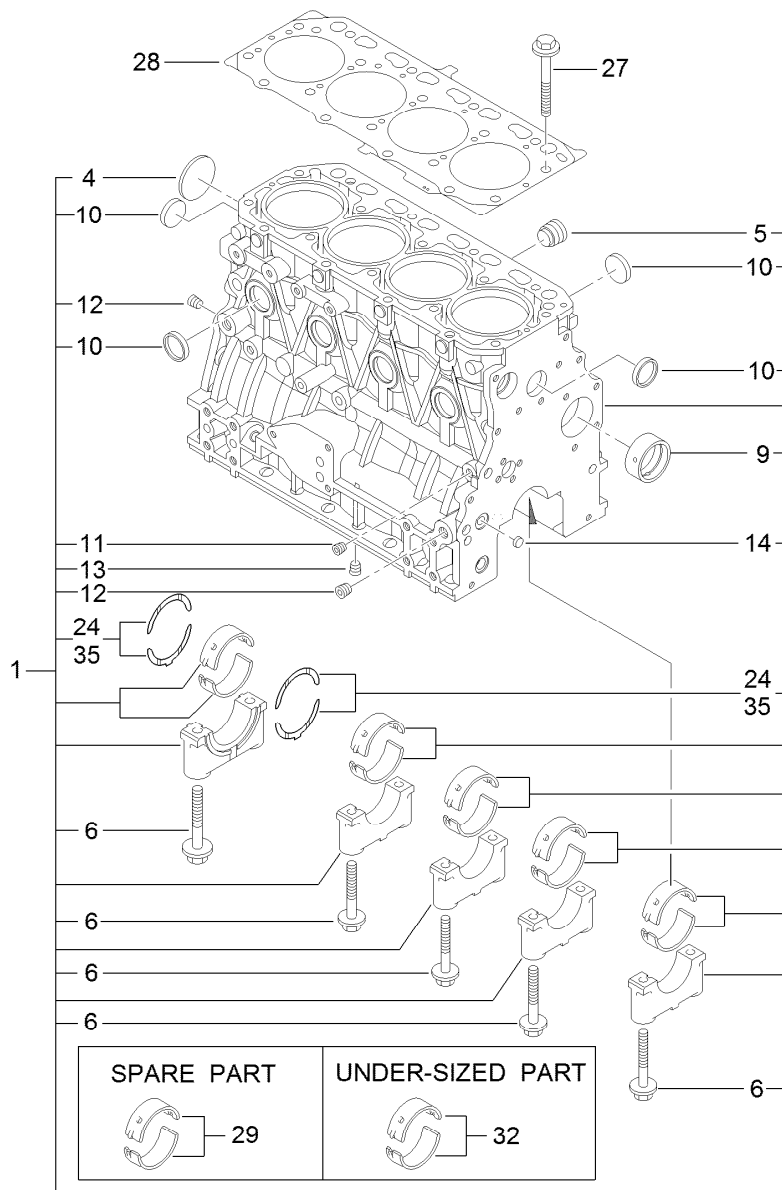
## Electrical Assembly

| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 1    | 122-1528    | 1    | Harness-Wire, Main              |
| 2    | 122-1557    | 1    | Harness-Wire, Seat/Console      |
| 2:6  | 32180-282   | 1    | Conn, Res, 120 Ohm              |
| 2:13 | 104-4022    | 1    | Resistor-75 Ohm                 |
| 3    | 122-1547    | 1    | Harness-Wire, Power Center      |
| 3:5  | 121-8861    | 3    | Fuse-Mini Blade, 2 Amp          |
| 3:6  | 121-8865    | 6    | Fuse-Mini Blade, 7.5 Amp        |
| 3:7  | 121-8866    | 6    | Fuse-Mini Blade, 10 Amp         |
| 3:9  | 114-3342    | 1    | Fuse-Maxi, 60 Amp               |
| 6    | 33115-020   | 1    | Screw-HH                        |
| 7    | 3255-2      | 1    | Washer-Lock, EXT                |
| 8    | 115-1931    | 1    | Harness-Wire, Fuel Pump Adapter |



## Engine Wire Harness Assembly

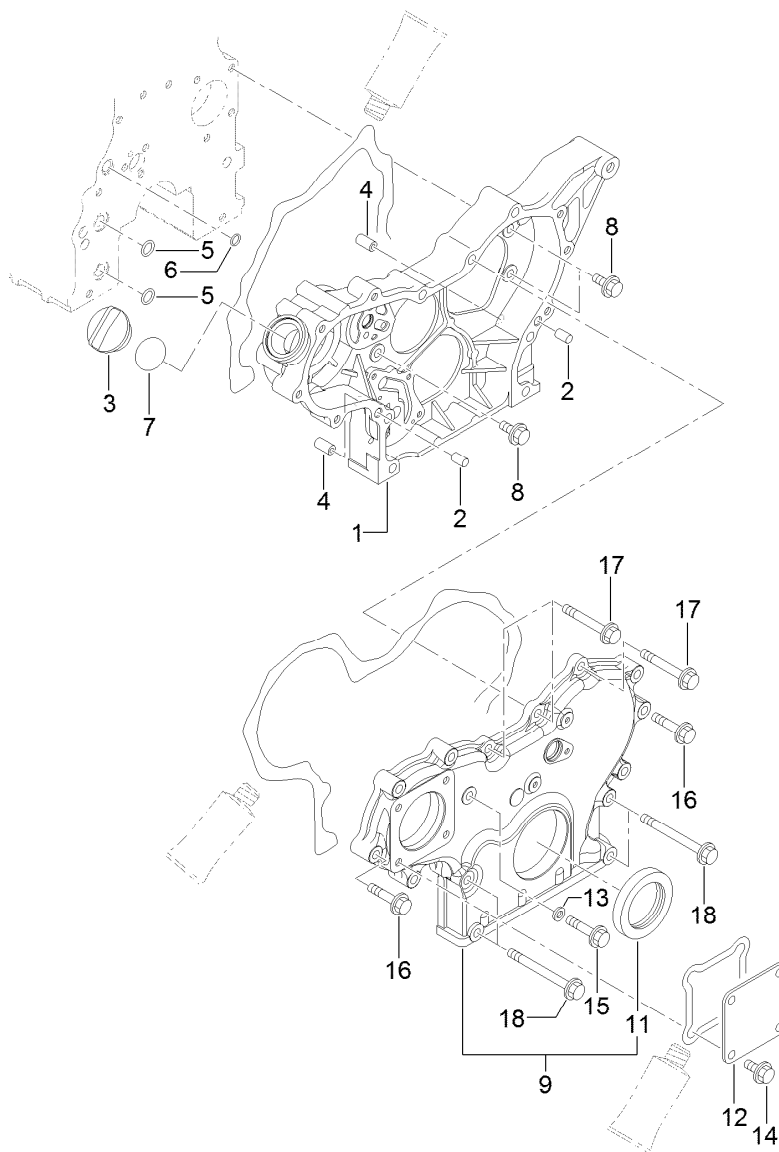
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 122-0230    | 1    | Harness-Wire               |
| 1:1  | 100-4918    | 2    | Diode                      |
| 1:2  | 121-8891    | 1    | Resistor (1.6K Ohm)        |
| 2    | 115-1930    | 1    | Cable-Battery, Positive    |
| 3    | 108-9470    | 1    | Harness-Wire, Fusible Link |
| 4    | 33003-00    | 1    | Nut-HF                     |
| 5    | 33004-00    | 1    | Nut-HF                     |



## Cylinder Block Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 127-3127    | 1    | Cylinder Block ASM |
| 4    | 125-6980    | 1    | Plug               |
| 5    | 125-7170    | 1    | Plug               |
| 6    | 125-7007    | 10   | Bolt               |
| 9    | 125-7108    | 1    | Bushing            |
| 10   | 125-7239    | 8    | Plug               |
| 11   | 125-6969    | 1    | Plug               |
| 12   | 125-6973    | 2    | Plug               |

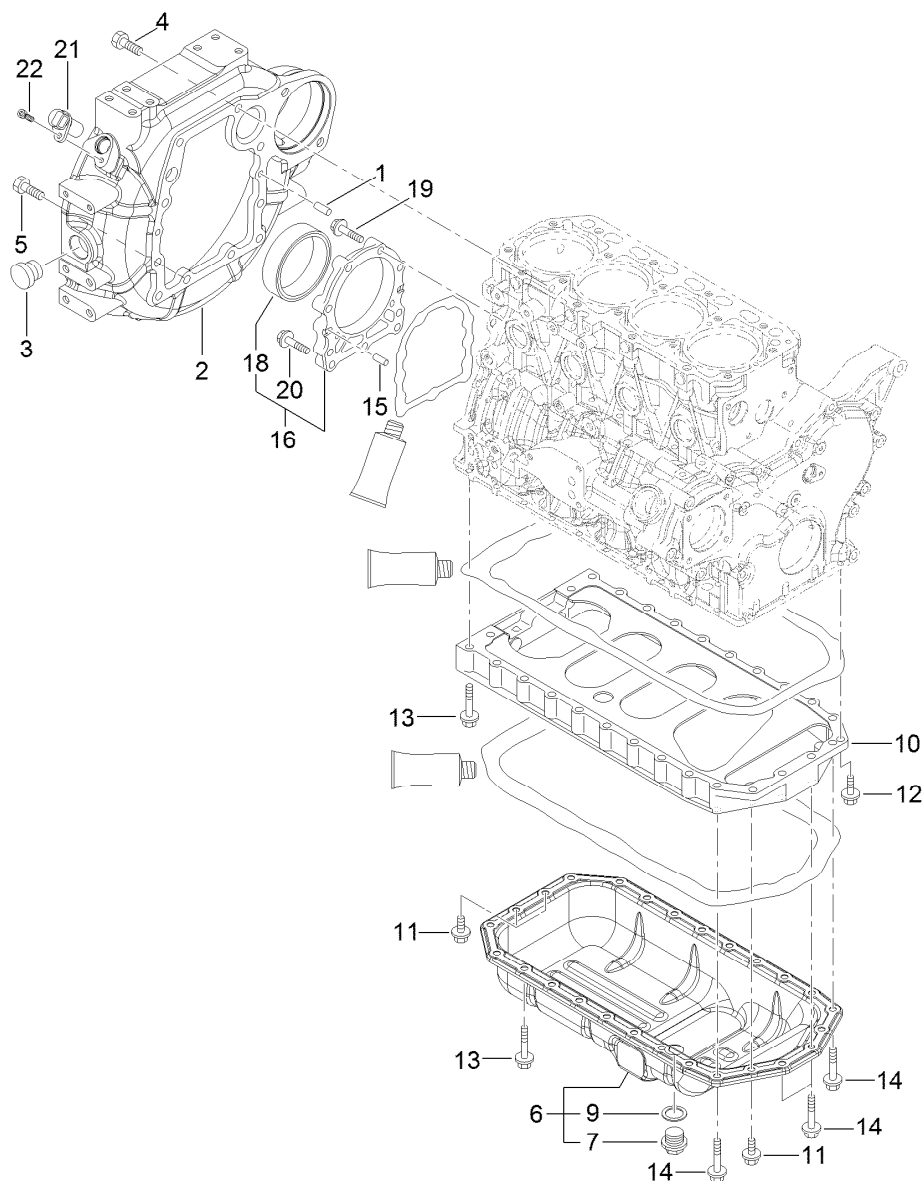
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 13   | 125-6973    | 1    | Plug                  |
| 14   | 125-7237    | 1    | Plug                  |
| 24   | 125-7010    | 2    | Metal-Thrust          |
| 27   | 125-7006    | 18   | Bolt                  |
| 28   | 127-3126    | 1    | Gasket-Head, Cylinder |
| 29   | 125-6981    | 5    | Metal-Main            |
| 32   | 125-7009    | 5    | Metal-Main (0.25)     |
| 35   | 125-7011    | 1    | Metal-Thrust (0.25)   |



## Gear Housing Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 127-3023           | 1           | Case-Gear          |
| 2           | 125-6995           | 2           | Pin                |
| 3           | 125-6972           | 1           | Cover-Filler       |
| 4           | 125-7107           | 2           | Pipe               |
| 5           | 125-6909           | 2           | O-Ring             |
| 6           | 127-2973           | 1           | O-Ring             |
| 7           | 125-7197           | 1           | O-Ring             |
| 8           | 125-7214           | 3           | Bolt               |
| 9           | 127-3024           | 1           | Gearcase Cover ASM |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 11          | 125-6944           | 1           | Seal-Oil           |
| 12          | 125-6977           | 1           | Cover              |
| 13          | 125-7174           | 1           | Washer-Seal        |
| 14          | 125-7214           | 4           | Bolt               |
| 15          | 125-7217           | 1           | Bolt               |
| 16          | 125-7218           | 7           | Bolt               |
| 17          | 125-7222           | 3           | Bolt               |
| 18          | 125-7224           | 4           | Bolt               |

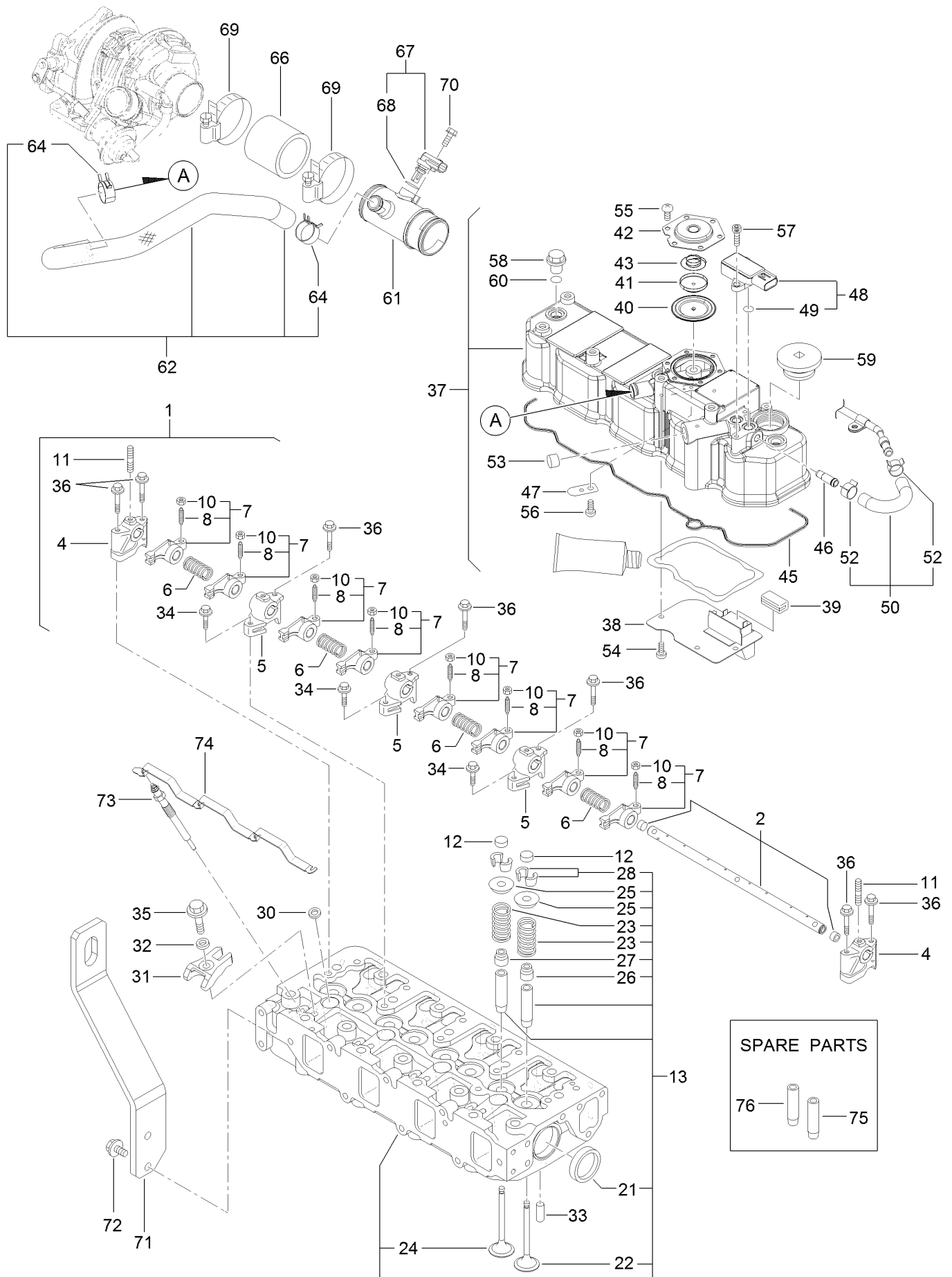


## Flywheel Housing and Oil Sump Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 125-6995    | 2    | Pin              |
| 2    | 127-3025    | 1    | Housing-Flywheel |
| 3    | 125-6910    | 1    | Cap              |
| 4    | 125-7226    | 6    | Bolt             |
| 5    | 125-7227    | 4    | Bolt             |
| 6    | 125-7241    | 1    | Oil Sump ASM     |
| 7    | 125-6912    | 1    | Plug-Drain       |
| 9    | 125-7177    | 1    | Washer-Seal      |
| 10   | 125-7035    | 1    | Spacer           |
| 11   | 125-7214    | 4    | Bolt             |

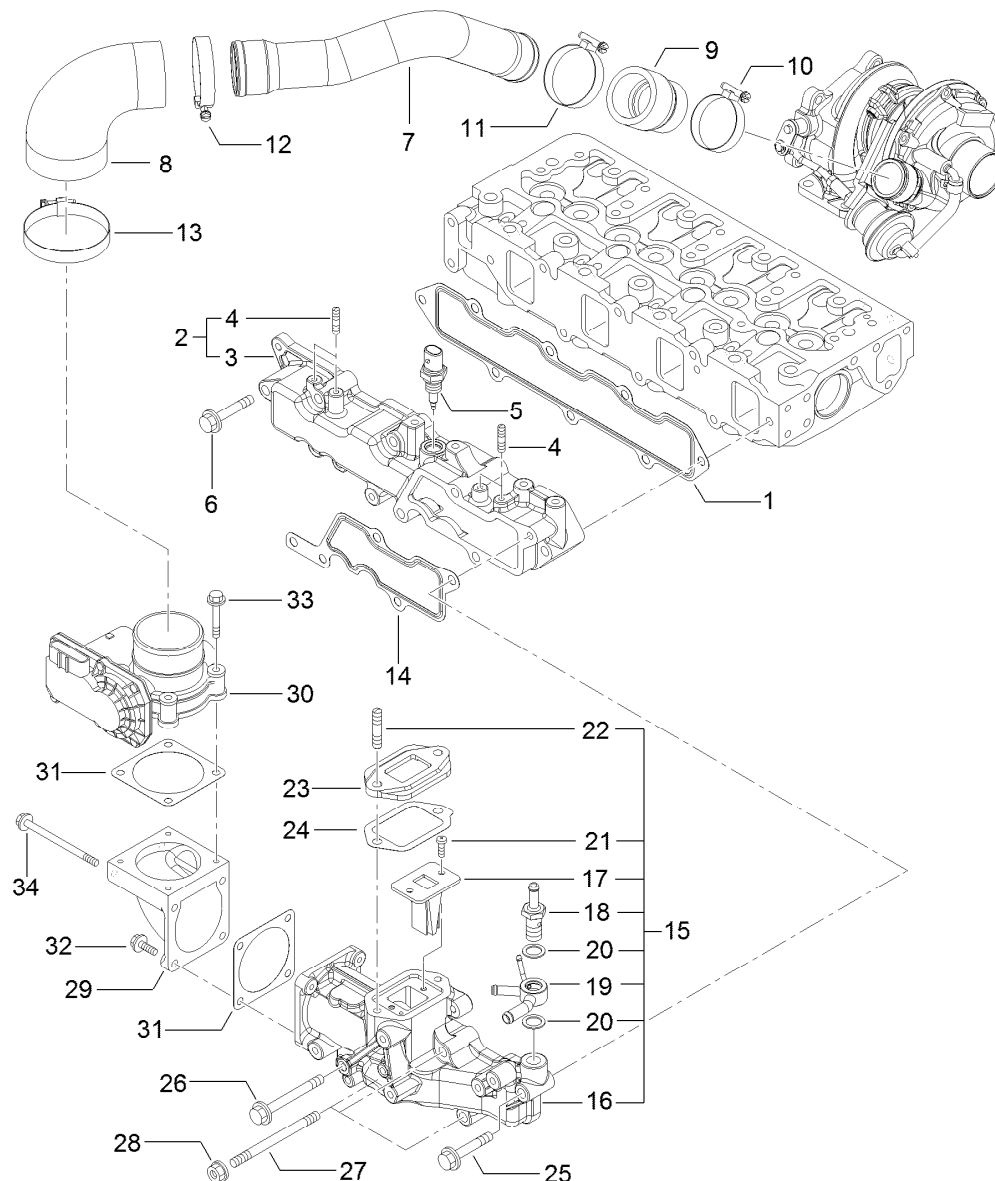
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 12   | 125-7215    | 2    | Bolt                 |
| 13   | 125-7219    | 20   | Bolt                 |
| 14   | 125-7220    | 4    | Bolt                 |
| 15   | 125-6995    | 2    | Pin                  |
| 16   | 125-6996    | 1    | Case ASM             |
| 18   | 125-7106    | 1    | Seal-Oil             |
| 19   | 125-7045    | 6    | Bolt                 |
| 20   | 125-7217    | 3    | Bolt                 |
| 21   | 127-3062    | 1    | Sensor-Rev, Flywheel |
| 22   | 127-3184    | 1    | Bolt                 |

## Cylinder Head and Cover Assembly



## Cylinder Head and Cover Assembly (continued)

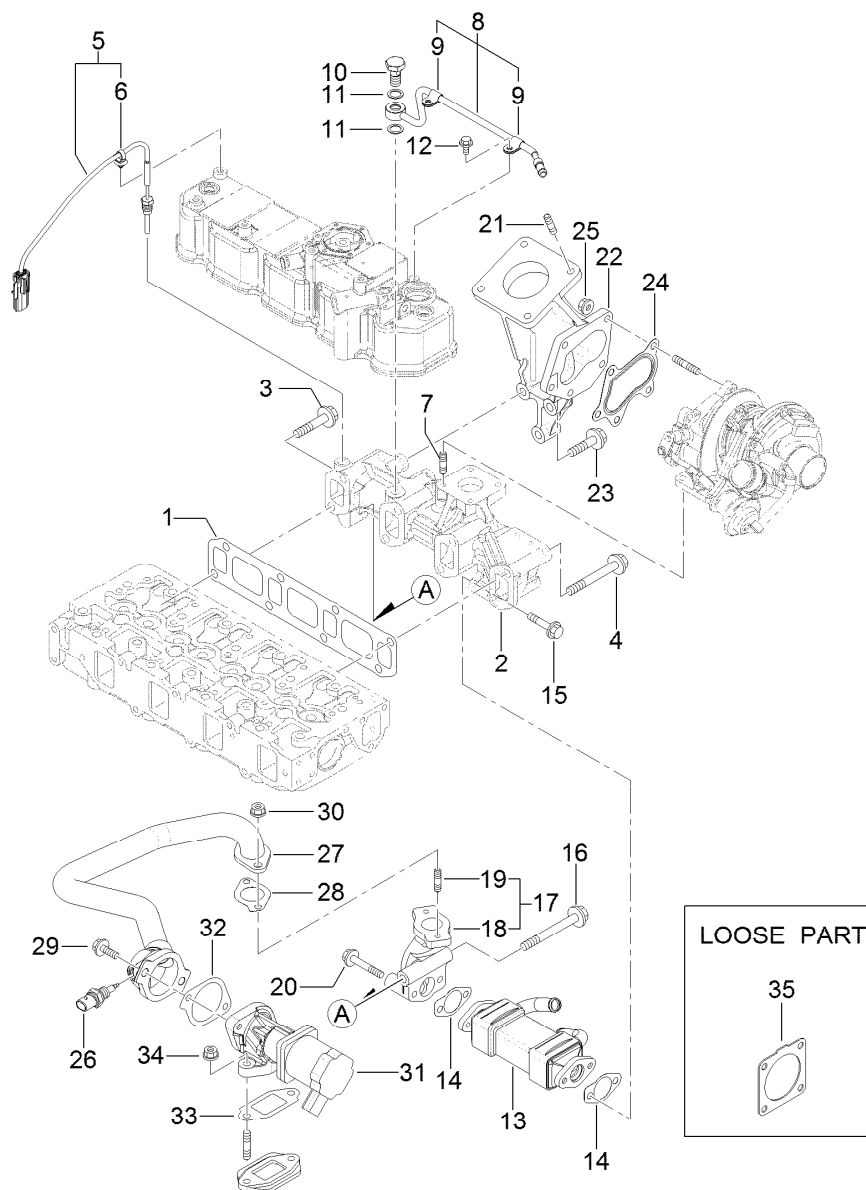
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 127-3005           | 1           | Shaft ASM               | 42          | 125-6961           | 1           | Plate-Breather          |
| 2           | 127-3006           | 1           | Shaft                   | 43          | 125-6962           | 1           | Spring-Diaphragm        |
| 4           | 127-2974           | 2           | Support                 | 45          | 127-3106           | 1           | Gasket-Cover            |
| 5           | 127-2975           | 3           | Support                 | 46          | 127-3026           | 1           | Joint                   |
| 6           | 127-2995           | 4           | Spring                  | 47          | 125-6994           | 1           | Spring                  |
| 7           | 127-2989           | 8           | Arm-Rocker              | 48          | 127-3029           | 1           | Sensor-Pressure         |
| 8           | 125-7013           | 8           | Screw-Adjust, Valve     | 49          | 127-3032           | 2           | O Ring-Sensor, Pressure |
| 10          | 125-7014           | 8           | Nut                     | 50          | 127-3040           | 1           | Hose ASM                |
| 11          | 127-3183           | 3           | Stud                    | 52          | 127-3041           | 2           | Clip-Hose               |
| 12          | 127-2996           | 8           | Cap-Valve               | 53          | 125-6913           | 1           | Plug                    |
| 13          | 127-3132           | 1           | Cylinder Head ASM       | 54          | 125-7186           | 4           | Screw                   |
| 21          | 125-7240           | 2           | Plug                    | 55          | 125-7186           | 6           | Screw                   |
| 22          | 127-2990           | 4           | Valve                   | 56          | 125-7186           | 1           | Screw                   |
| 23          | 127-3012           | 8           | Spring                  | 57          | 127-3184           | 2           | Bolt                    |
| 24          | 127-2994           | 4           | Valve                   | 58          | 125-6974           | 3           | Knob                    |
| 25          | 127-3013           | 8           | Retainer-Spring         | 59          | 127-2978           | 1           | Plug                    |
| 26          | 127-2986           | 4           | Seal-Stem, Valve        | 60          | 93-0418            | 3           | O-Ring                  |
| 27          | 127-3027           | 4           | Seal-Stem, Valve        | 61          | 127-3128           | 1           | Joint-Breather          |
| 28          | 127-3186           | 8           | Pin-Cotter              | 62          | 127-3129           | 1           | Breather Hose ASM       |
| 30          | 127-3021           | 4           | Gasket-Injector         | 64          | 125-7040           | 2           | Clip-Hose               |
| 31          | 127-3028           | 4           | Retainer-Injector       | 66          | 127-3133           | 1           | Hose-Intake             |
| 32          | 127-2980           | 4           | Washer-Injector         | 67          | 127-3030           | 1           | Sensor-Temp, Air        |
| 33          | 125-7184           | 2           | Pin-Spring              | 68          | 127-3033           | 1           | O-Ring                  |
| 34          | 125-7215           | 3           | Bolt                    | 69          | 125-7190           | 2           | Clamp-Hose              |
| 35          | 125-7217           | 4           | Bolt                    | 70          | 125-7208           | 1           | Bolt                    |
| 36          | 125-7220           | 7           | Bolt                    | 71          | 127-3130           | 1           | Lifter-Engine           |
| 37          | 127-3131           | 1           | Cylinder Head Cover ASM | 72          | 125-7214           | 2           | Bolt                    |
| 38          | 127-2988           | 1           | Plate                   | 73          | 127-2991           | 4           | Plug-Glow               |
| 39          | 125-7012           | 1           | Baffle                  | 74          | 127-3123           | 1           | Connector-Glow Plug     |
| 40          | 125-6959           | 1           | Diaphragm               | 75          | 127-2979           | 4           | Guide                   |
| 41          | 125-6960           | 1           | Plate                   | 76          | 127-2997           | 4           | Guide-Valve             |



## Suction Manifold Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 127-3107    | 1    | Gasket-Manifold, Intake |
| 2    | 127-3135    | 1    | Intake Manifold ASM     |
| 3    | 127-3134    | 1    | Manifold-Intake         |
| 4    | 127-3180    | 4    | Stud                    |
| 5    | 127-3031    | 1    | Sensor-Temp, Air        |
| 6    | 125-7220    | 5    | Bolt                    |
| 7    | 127-3152    | 1    | Duct-Suction            |
| 8    | 127-3096    | 1    | Joint-Rubber            |
| 9    | 127-3153    | 1    | Joint-Rubber            |
| 10   | 125-7189    | 1    | Clamp-Hose              |
| 11   | 127-3170    | 1    | Clamp-Hose              |
| 12   | 125-7190    | 1    | Clamp-Hose              |
| 13   | 127-3171    | 1    | Clamp-Hose              |
| 14   | 127-3034    | 1    | Gasket-Collector        |
| 15   | 127-3093    | 1    | Intake Collector ASM    |
| 16   | 127-3092    | 1    | Collector-Intake        |
| 17   | 127-3139    | 1    | Valve-Reed              |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 18   | 127-3080    | 1    | Joint-Hose          |
| 19   | 127-3081    | 1    | Joint-Hose          |
| 20   | 127-3166    | 2    | Washer-Seal         |
| 21   | 127-3168    | 2    | Screw               |
| 22   | 127-3181    | 2    | Stud                |
| 23   | 127-3045    | 1    | Spacer-Valve, E G R |
| 24   | 127-3046    | 1    | Gasket-E G R        |
| 25   | 125-7220    | 1    | Bolt                |
| 26   | 127-3178    | 1    | Bolt                |
| 27   | 127-3182    | 3    | Stud                |
| 28   | 125-7229    | 3    | Nut                 |
| 29   | 127-3035    | 1    | Bend-Inlet          |
| 30   | 127-3036    | 1    | Body-Throttle       |
| 31   | 127-3037    | 2    | Gasket-Throttle     |
| 32   | 125-7209    | 2    | Bolt                |
| 33   | 125-7211    | 4    | Bolt                |
| 34   | 127-3177    | 2    | Bolt                |

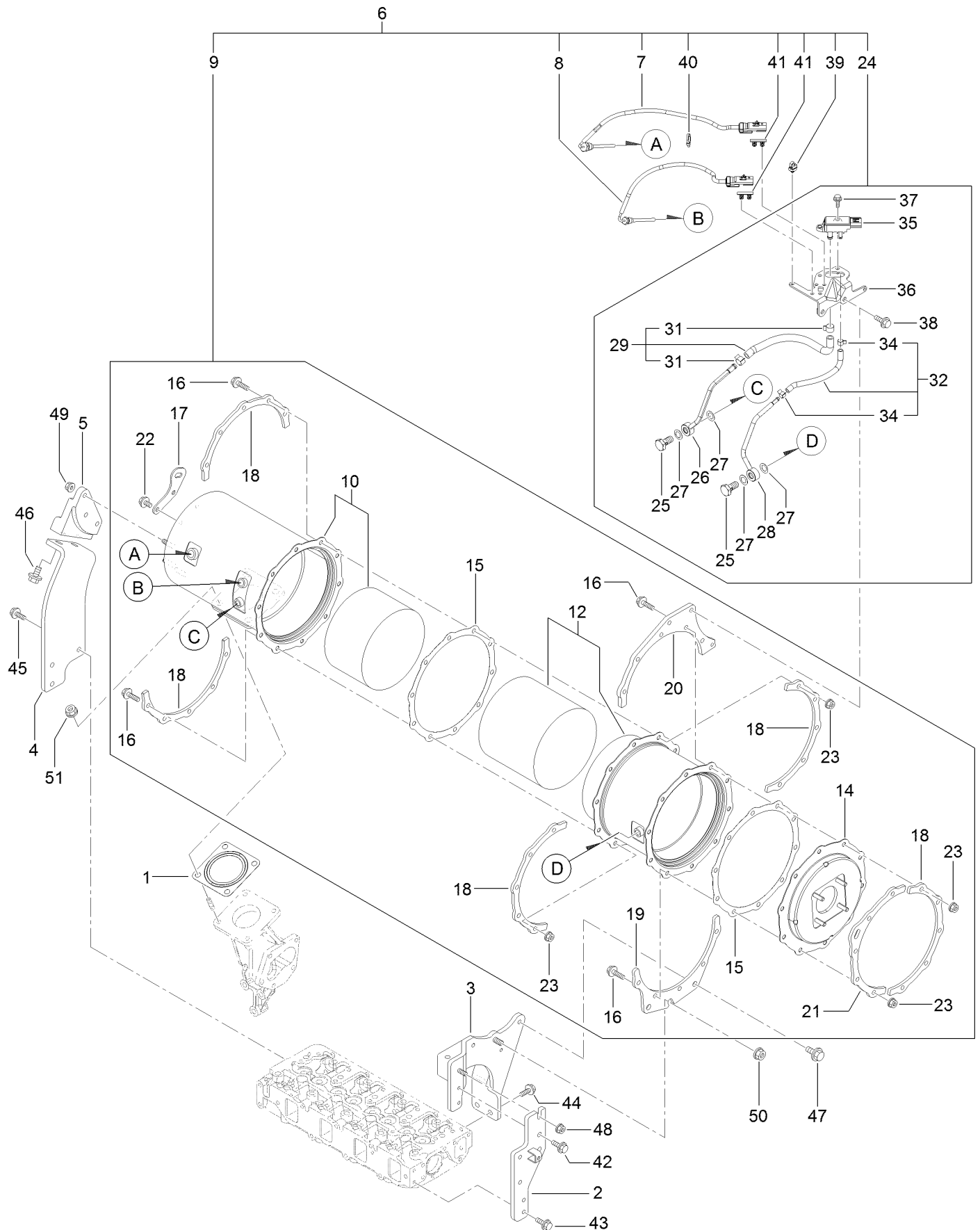


## Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 127-3108    | 1    | Gasket-Manifold, Exhaust |
| 2    | 127-3136    | 1    | Manifold-Exhaust         |
| 3    | 127-3094    | 1    | Bolt                     |
| 4    | 127-3044    | 7    | Bolt-M10                 |
| 5    | 127-3140    | 1    | Sensor-Temp, Exhaust     |
| 6    | 127-3087    | 1    | Band-Clip                |
| 7    | 125-7043    | 4    | Stud                     |
| 8    | 127-3038    | 1    | Exhaust Pipe ASM         |
| 9    | 127-3173    | 2    | Clamp                    |
| 10   | 127-3039    | 1    | Bolt-Joint, Pipe         |
| 11   | 127-3174    | 2    | Gasket                   |
| 12   | 125-7206    | 2    | Bolt                     |
| 13   | 127-3042    | 1    | Cooler-E G R             |
| 14   | 127-3043    | 2    | Gasket-Cooler, E G R     |
| 15   | 127-2976    | 2    | Bolt                     |
| 16   | 127-3022    | 1    | Bolt-Flange              |
| 17   | 127-3048    | 1    | E G R Pipe ASM           |
| 18   | 127-3049    | 1    | Pipe-Out, E G R          |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 19   | 125-7043    | 2    | Stud                       |
| 20   | 125-7220    | 2    | Bolt                       |
| 21   | 127-2984    | 4    | Stud                       |
| 22   | 127-3137    | 1    | Pipe-Exhaust               |
| 23   | 127-3138    | 3    | Bolt-Flange                |
| 24   | 125-7071    | 1    | Gasket                     |
| 25   | 125-7229    | 5    | Nut                        |
| 26   | 127-3047    | 1    | Sensor-Gas Temp, E G R     |
| 27   | 127-3109    | 1    | E G R Pipe ASM             |
| 28   | 127-3016    | 1    | Gasket                     |
| 29   | 125-7215    | 2    | Bolt                       |
| 30   | 125-7229    | 2    | Nut                        |
| 31   | 127-3110    | 1    | Valve-E G R                |
| 32   | 127-3050    | 1    | Gasket-Intake Valve, E G R |
| 33   | 127-3051    | 1    | Gasket-Out Valve, E G R    |
| 34   | 125-7229    | 2    | Nut                        |
| 35   | 127-3019    | 1    | Gasket                     |

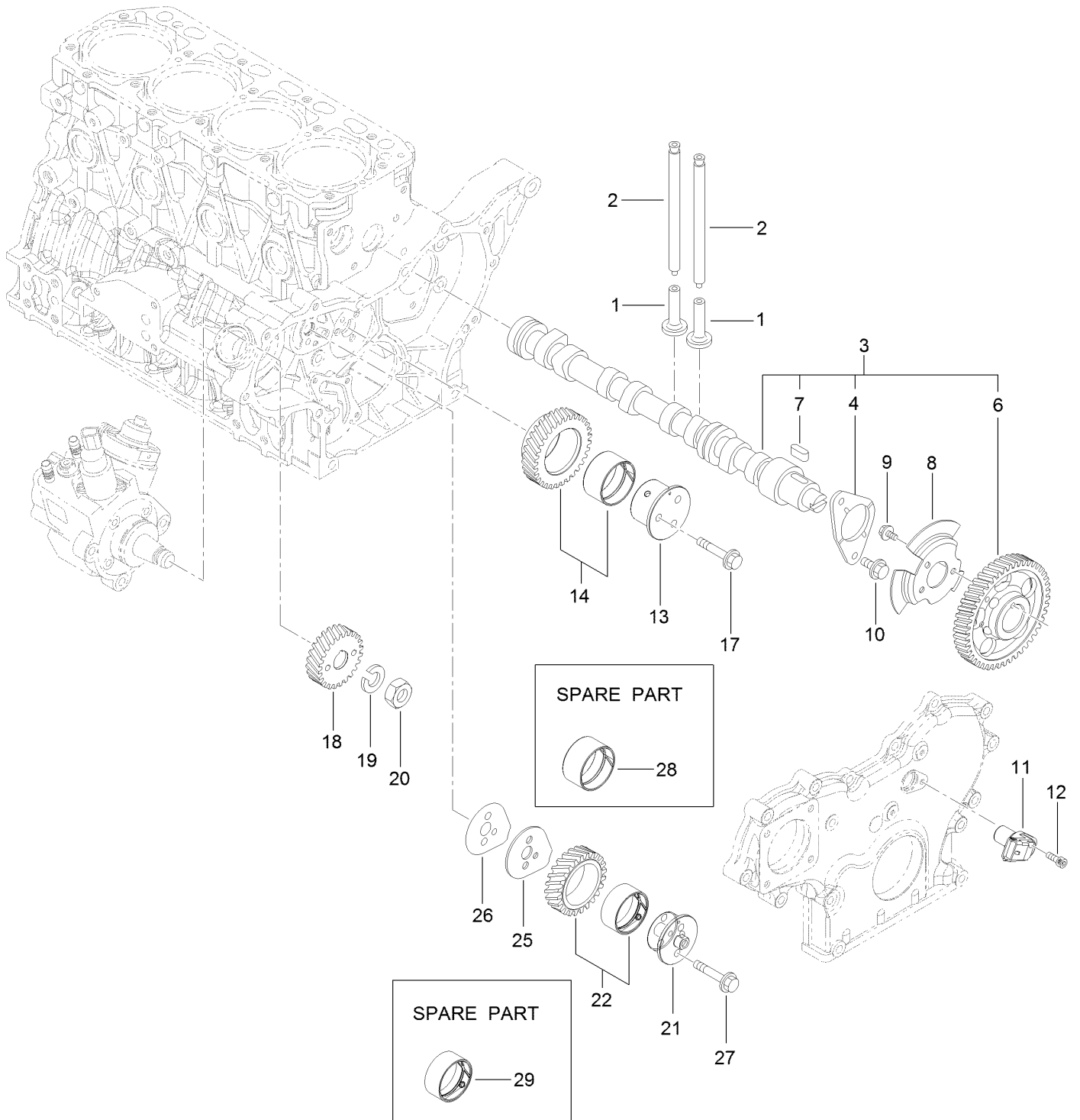
# Diesel Particulate Filter Assembly



## Diesel Particulate Filter Assembly (continued)

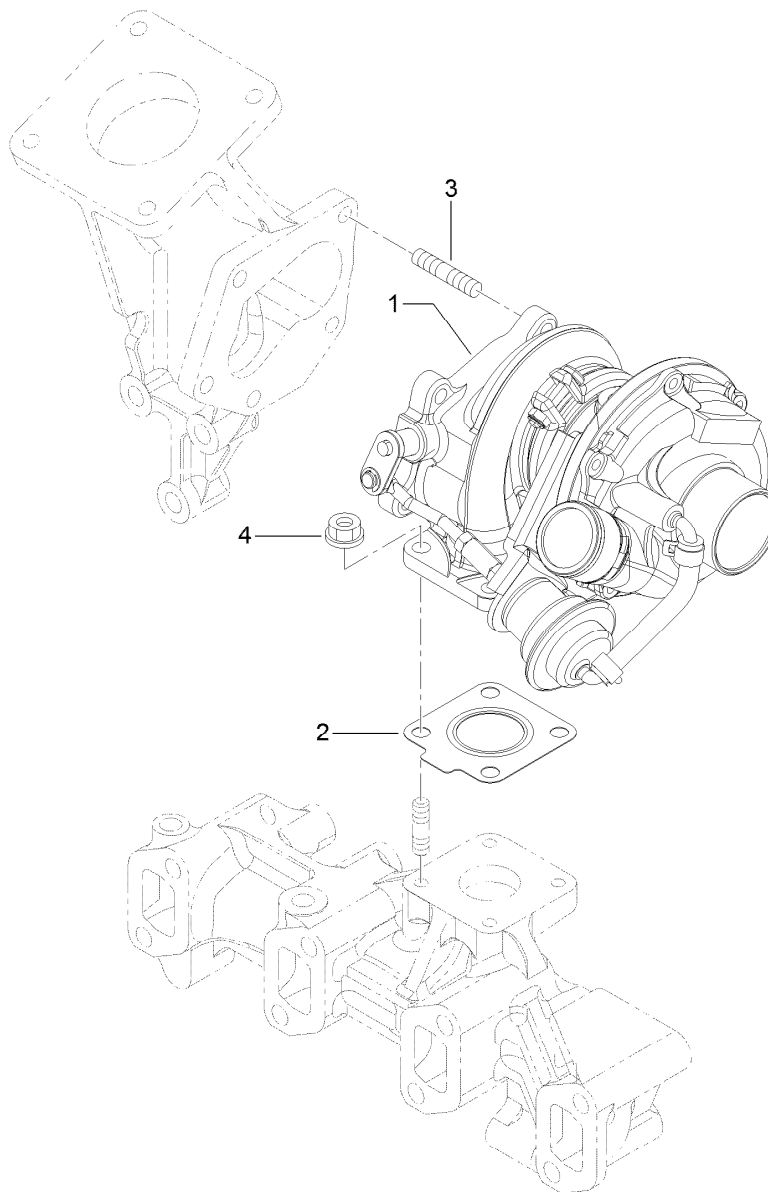
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|------------------------------|
| 1           | 127-2987           | 1           | Gasket-Silencer           | 27          | 127-3056           | 4           | Gasket-Sensor                |
| 2           | 127-3095           | 1           | Stay-D P F                | 28          | 127-3165           | 1           | Exhaust Pressure Pipe ASM    |
| 3           | 127-3148           | 1           | Stay- D P F               | 29          | 127-3114           | 1           | Exhaust Hose ASM             |
| 4           | 127-3149           | 1           | Stay-D P F                | 31          | 127-3057           | 2           | Clip-Hose                    |
| 5           | 127-3150           | 1           | Stay-D P F                | 32          | 127-3059           | 1           | Exhaust Pressure Hose<br>ASM |
| 6           | 127-3159           | 1           | D P F Unit                | 34          | 127-3058           | 2           | Clip-Hose                    |
| 7           | 127-4764           | 1           | Sensor-Temp, Exhaust      | 35          | 127-3060           | 1           | Sensor-Pressure              |
| 8           | 127-3112           | 1           | Sensor-Temp, Exhaust      | 36          | 127-3061           | 1           | Bracket-Sensor, Pressure     |
| 9           | 127-3157           | 1           | D P F ASM                 | 37          | 125-7208           | 2           | Bolt                         |
| 10          | 127-3141           | 1           | Case-Doc                  | 38          | 125-7595           | 2           | Bolt                         |
| 12          | 127-3142R          | 1           | Case-Filter, Soot-Recon   | 39          | 127-3087           | 1           | Band-Clip                    |
| 12          | 127-3142           | 1           | Case-Filter, Soot         | 40          | 127-3124           | 1           | Band                         |
| 14          | 127-3143           | 1           | Flange-Outlet             | 41          | 127-3088           | 2           | Clip-Connector               |
| 15          | 127-3162           | 2           | Gasket-D P F              | 42          | 125-7595           | 2           | Bolt                         |
| 16          | 127-3055           | 20          | Bolt                      | 43          | 125-7595           | 2           | Bolt                         |
| 17          | 127-3144           | 1           | Lifter-D P F              | 44          | 125-7595           | 2           | Bolt                         |
| 18          | 127-3145           | 5           | Stiffener-D P F, A        | 45          | 125-7595           | 3           | Bolt                         |
| 19          | 127-3146           | 1           | Stiffener-D P F, B        | 46          | 127-3179           | 2           | Bolt                         |
| 20          | 127-3158           | 1           | Stiffener-D P F, D        | 47          | 127-3179           | 2           | Bolt                         |
| 21          | 127-3147           | 1           | Stiffener-D P F, C        | 48          | 125-7229           | 1           | Nut                          |
| 22          | 125-7213           | 2           | Bolt                      | 49          | 125-7229           | 3           | Nut                          |
| 23          | 125-7229           | 20          | Nut                       | 50          | 125-7230           | 1           | Nut                          |
| 24          | 127-3163           | 1           | Pressure Sensor Unit      | 51          | 125-7230           | 4           | Nut                          |
| 25          | 127-3039           | 2           | Bolt-Joint, Pipe          |             |                    |             |                              |
| 26          | 127-3164           | 1           | Exhaust Pressure Pipe ASM |             |                    |             |                              |

# Camshaft and Driving Gear Assembly



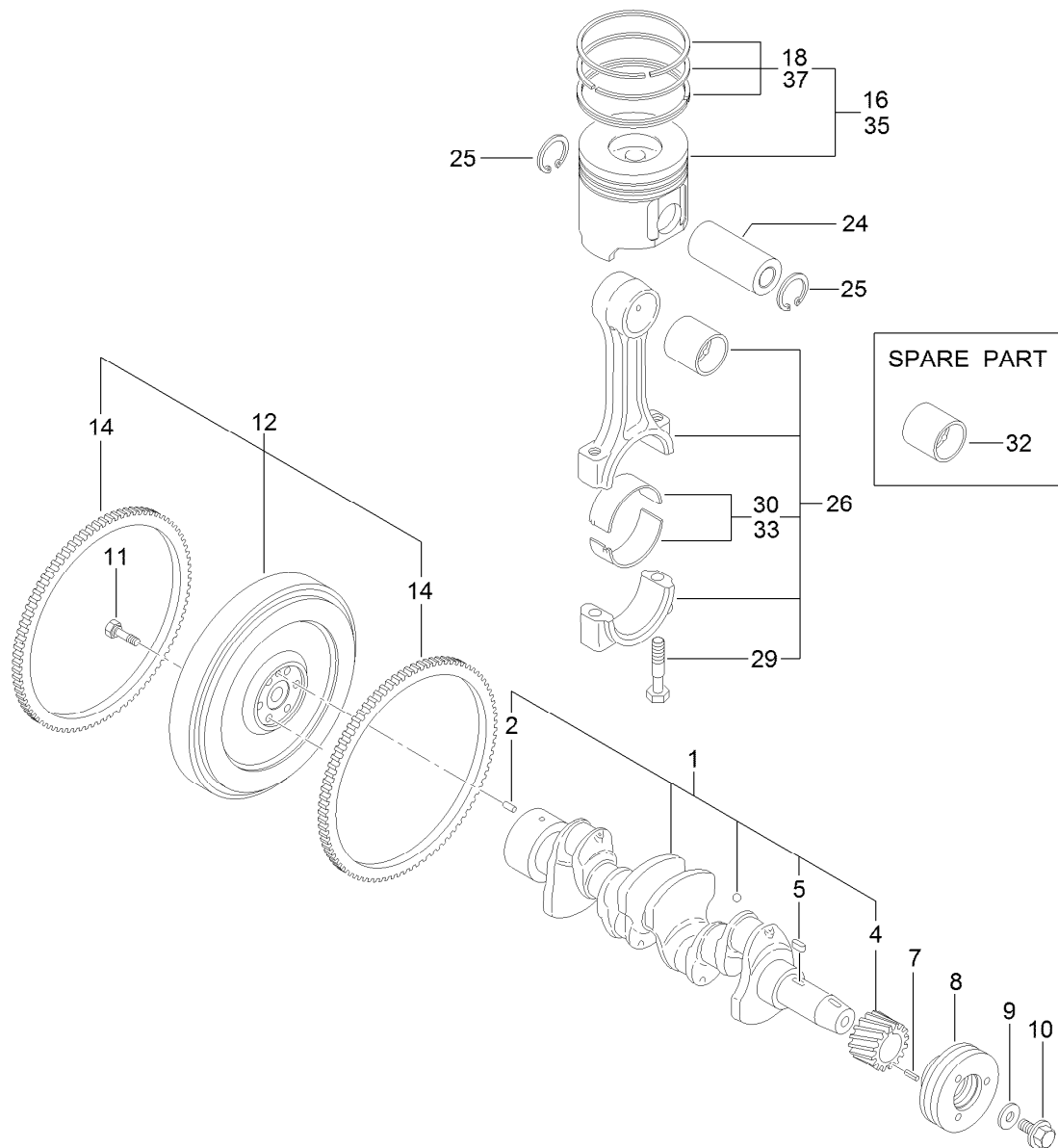
## Camshaft and Driving Gear Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|----------------------|
| 1           | 125-7016           | 8           | Tappet             | 14          | 127-3066           | 1           | Idle Gear A ASM      |
| 2           | 125-7017           | 8           | Rod-Push           | 17          | 125-7219           | 3           | Bolt                 |
| 3           | 127-3113           | 1           | Camshaft ASM       | 18          | 127-3070           | 1           | Gear-Pump, Supply    |
| 4           | 125-7008           | 1           | Metal-Thrust       | 19          | 127-3167           | 1           | Washer-Spring        |
| 6           | 127-3052           | 1           | Gear-Camshaft      | 20          | 127-3185           | 1           | Nut-Lock             |
| 7           | 125-7185           | 1           | Key                | 21          | 127-3064           | 1           | Shaft-Idle, Gear B   |
| 8           | 127-3053           | 1           | Pulser-Camshaft    | 22          | 127-3067           | 1           | Idle Gear B ASM      |
| 9           | 125-7205           | 3           | Bolt               | 25          | 127-3068           | 1           | Plate-Idle, Shaft    |
| 10          | 125-7213           | 2           | Bolt               | 26          | 127-3069           | 1           | Gasket-Idle, Shaft B |
| 11          | 127-3054           | 1           | Sensor-Rev, Gear   | 27          | 125-7218           | 2           | Bolt                 |
| 12          | 127-3184           | 1           | Bolt               | 28          | 125-6927           | 1           | Bushing              |
| 13          | 127-3063           | 1           | Shaft-Idle, Gear A | 29          | 127-3065           | 1           | Bushing              |



## Turbine Assembly

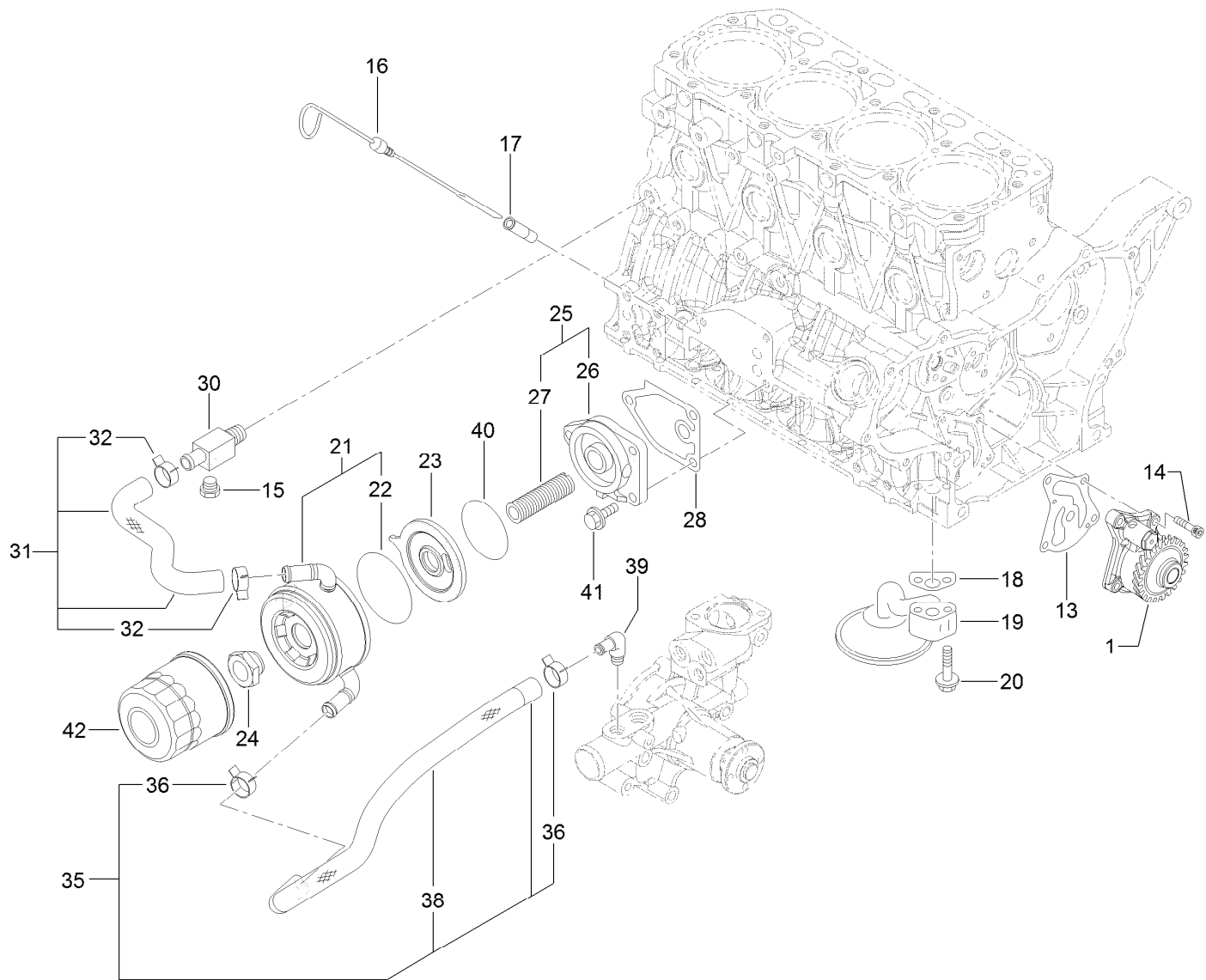
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 127-3151           | 1           | Turbine ASM        |
| 2           | 125-7070           | 1           | Gasket             |
| 3           | 125-6906           | 5           | Stud               |
| 4           | 125-7229           | 4           | Nut                |



## Crankshaft and Piston Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 125-7091    | 1    | Crankshaft ASM |
| 2    | 125-6995    | 1    | Pin            |
| 4    | 125-6937    | 1    | Gear           |
| 5    | 125-7185    | 1    | Key            |
| 7    | 125-7182    | 1    | Pin-Spring     |
| 8    | 125-6925    | 1    | V-Pulley       |
| 9    | 125-7109    | 1    | Washer         |
| 10   | 125-6956    | 1    | Bolt           |
| 11   | 125-6951    | 6    | Bolt           |
| 12   | 127-3160    | 1    | Flywheel ASM   |
| 14   | 125-6943    | 1    | Gear           |

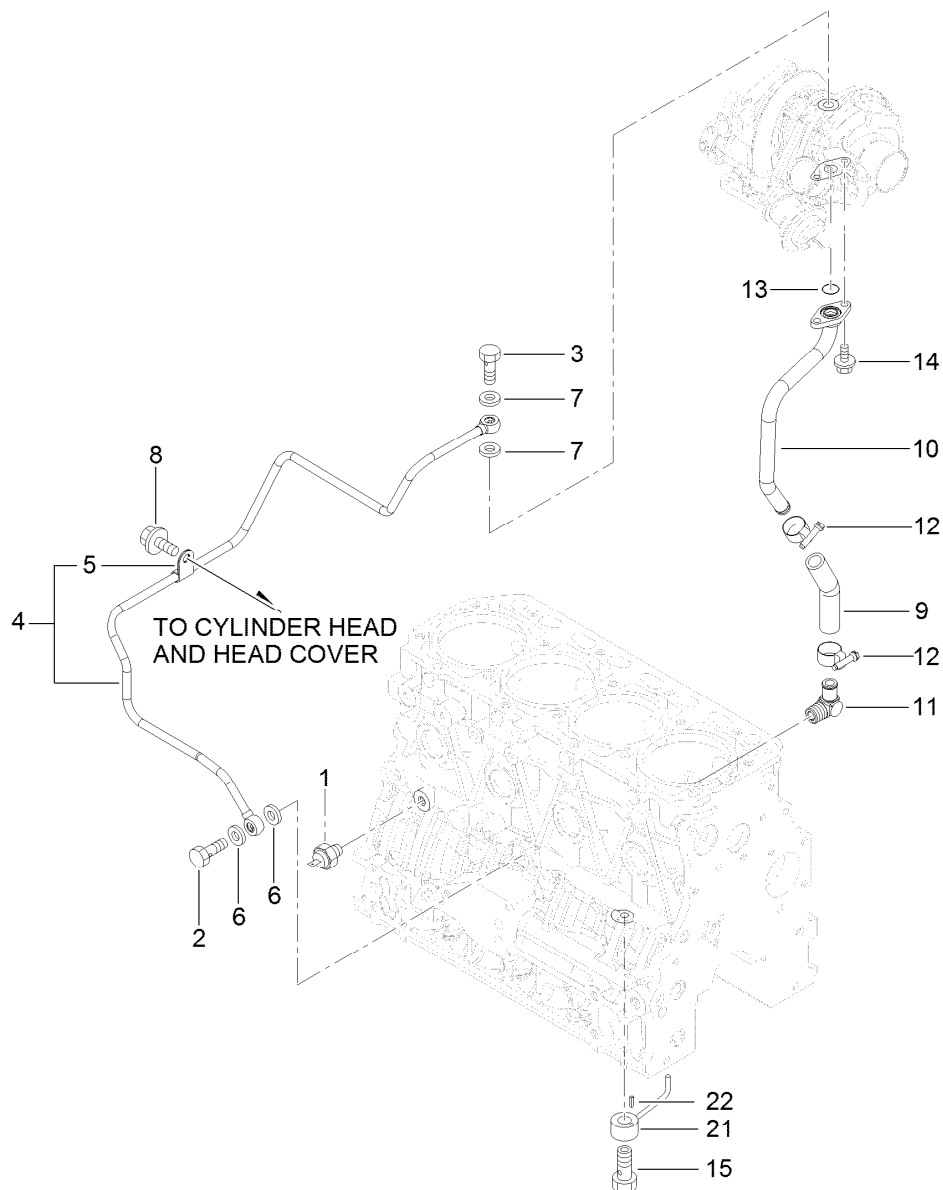
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 16   | 127-3097    | 4    | Piston ASM                  |
| 18   | 127-3098    | 4    | Piston Ring ASM             |
| 24   | 125-7030    | 4    | Pin                         |
| 25   | 125-7180    | 8    | Ring                        |
| 26   | 125-7242    | 4    | Connecting Rod ASM          |
| 29   | 125-6955    | 8    | Bolt                        |
| 30   | 125-7018    | 4    | Pin-Crank                   |
| 32   | 125-6997    | 4    | Pin-Piston                  |
| 33   | 125-7019    | 4    | Pin-Crank (.25)             |
| 35   | 127-3099    | 4    | Piston ASM (0.25 O.S.)      |
| 37   | 127-3100    | 4    | Piston Ring ASM (0.25 O.S.) |



## Lubrication and Oil System Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 127-3101    | 1    | Oil Lube Pump ASM |
| 13   | 127-3004    | 1    | Gasket            |
| 14   | 125-7232    | 4    | Bolt              |
| 15   | 125-7171    | 1    | Plug-Drain        |
| 16   | 125-6987    | 1    | Dipstick          |
| 17   | 125-6954    | 1    | Guide-Dipstick    |
| 18   | 125-7022    | 1    | Gasket            |
| 19   | 125-7023    | 1    | Pipe ASM          |
| 20   | 125-7217    | 2    | Bolt              |
| 21   | 127-3014    | 1    | Cooler ASM        |
| 22   | 127-2985    | 1    | O-Ring            |
| 23   | 127-3015    | 1    | Bracket-Cooler    |
| 24   | 125-7041    | 1    | Nut-Cooler, Oil   |
| 25   | 127-3009    | 1    | Bracket ASM       |

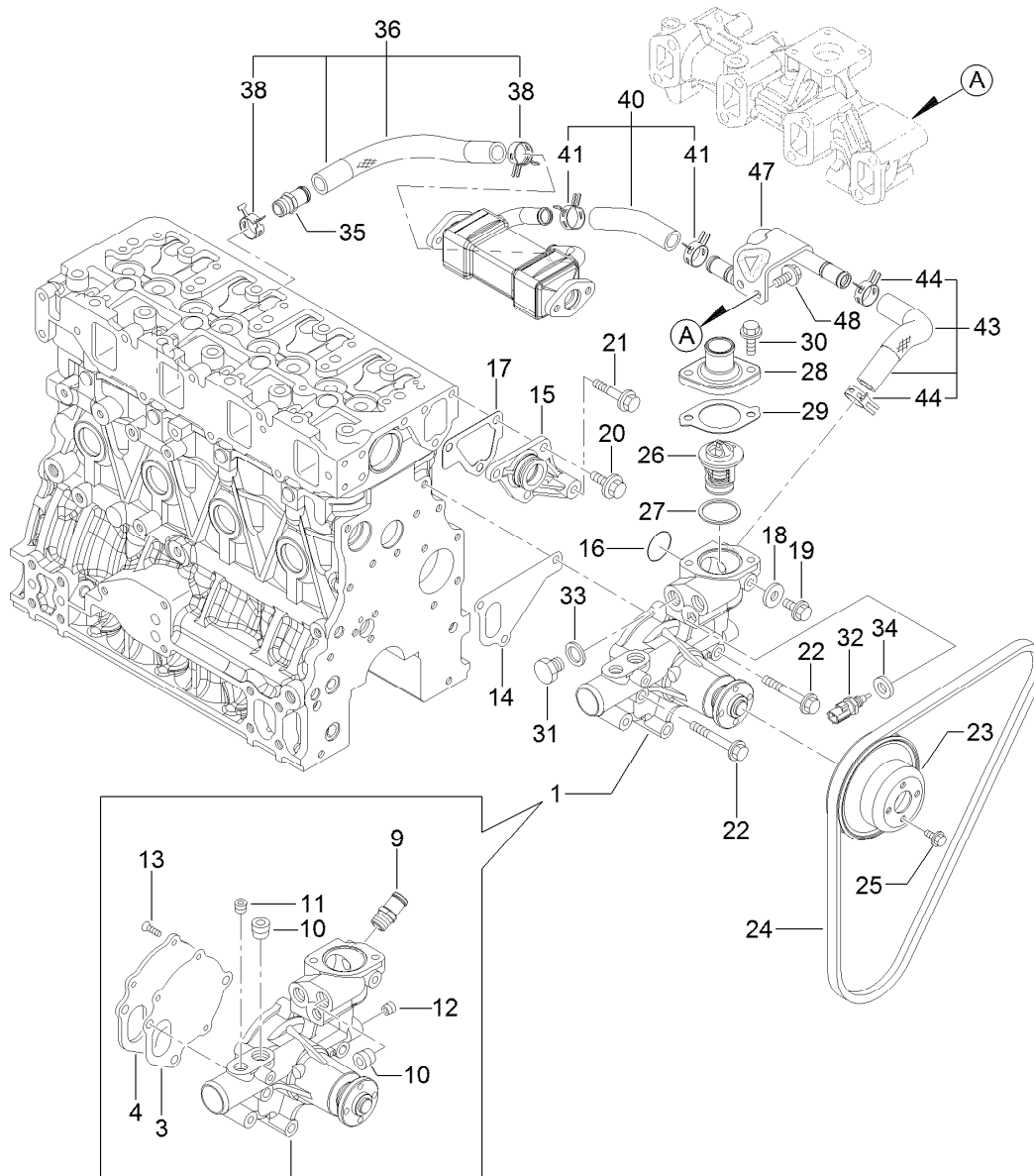
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 26   | 125-6930    | 1    | Bracket             |
| 27   | 127-3010    | 1    | Stud                |
| 28   | 125-7024    | 1    | Gasket              |
| 30   | 125-6990    | 1    | Joint               |
| 31   | 127-3102    | 1    | Pipe-Cooling, Water |
| 32   | 125-7162    | 2    | Clip                |
| 35   | 127-3103    | 1    | Hose-Cooling, Water |
| 36   | 125-7162    | 2    | Clip                |
| 38   | 127-3007    | 1    | Tube                |
| 39   | 125-7001    | 1    | Elbow               |
| 40   | 127-3176    | 1    | O-Ring              |
| 41   | 125-7595    | 3    | Bolt                |
| 42   | 125-7025    | 1    | Filter-Engine, Oil  |



## Lubrication Oil Line Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 125-6918    | 1    | Switch-Oil        |
| 2    | 125-6975    | 1    | Bolt-Joint, Pipe  |
| 3    | 125-6952    | 1    | Bolt-Joint, Pipe  |
| 4    | 127-3154    | 1    | Lube Oil Pipe ASM |
| 5    | 125-6976    | 1    | Retainer          |
| 6    | 125-7175    | 2    | Washer-Seal       |
| 7    | 125-7193    | 2    | Gasket            |
| 8    | 93-0362     | 1    | Bolt              |
| 9    | 127-2992    | 1    | Joint             |

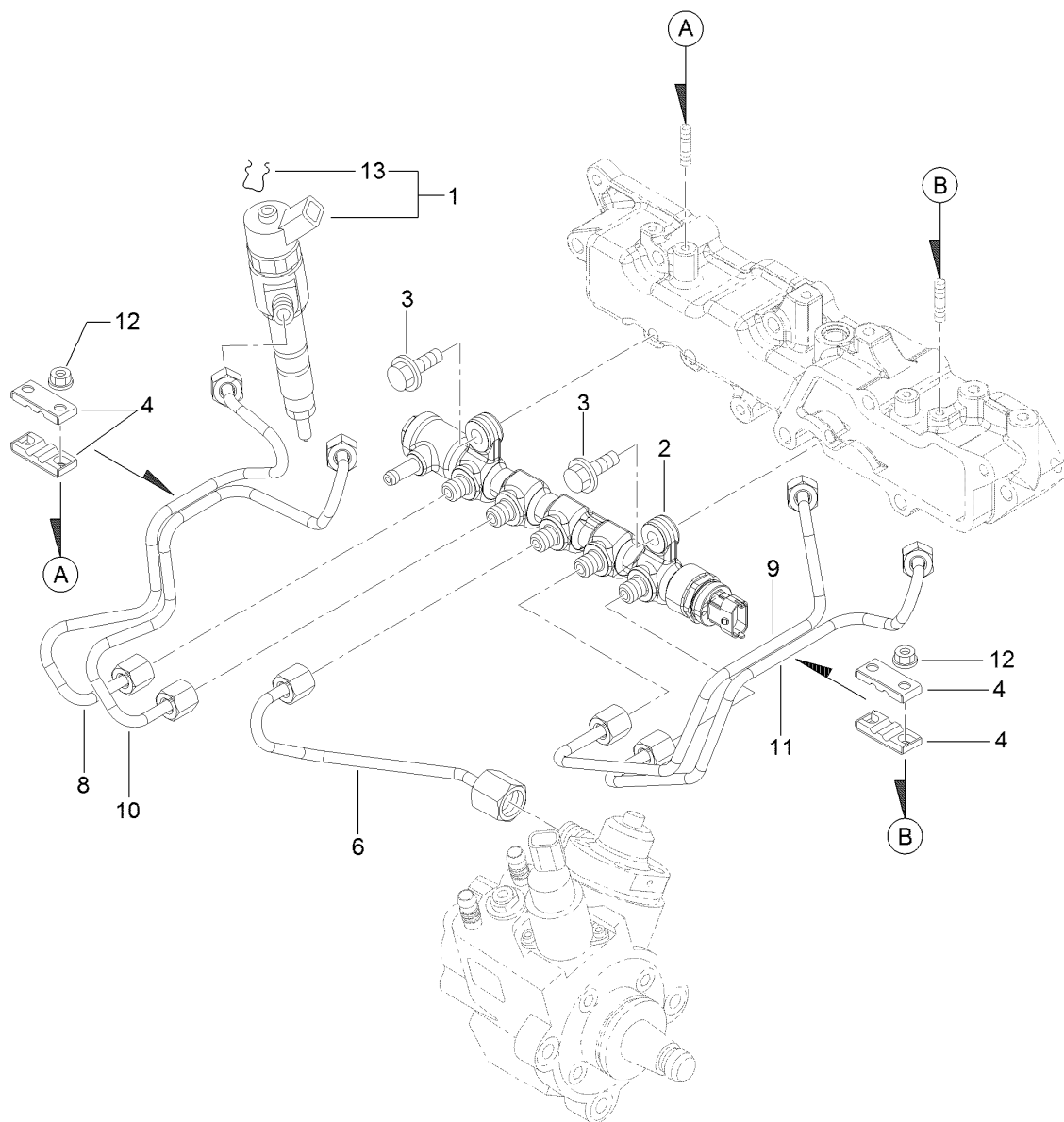
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 127-3155    | 1    | Pipe-Lube, Oil  |
| 11   | 127-3003    | 1    | Elbow           |
| 12   | 127-3169    | 2    | Clamp-Hose      |
| 13   | 125-7198    | 1    | O-Ring          |
| 14   | 125-7208    | 2    | Bolt            |
| 15   | 125-7105    | 4    | Check Valve ASM |
| 21   | 125-7098    | 4    | Nozzle          |
| 22   | 125-7182    | 4    | Pin-Spring      |



## Cooling Water System Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 127-3071    | 1    | Water Pump ASM |
| 3    | 125-6998    | 1    | Gasket         |
| 4    | 125-6999    | 1    | Plate          |
| 9    | 127-3017    | 1    | Joint          |
| 10   | 125-7123    | 2    | Plug           |
| 11   | 127-3175    | 1    | Plug           |
| 12   | 125-7195    | 1    | Plug           |
| 13   | 125-7234    | 3    | Screw          |
| 14   | 125-7047    | 1    | Gasket         |
| 15   | 125-6986    | 1    | Joint          |
| 16   | 125-7048    | 1    | O-Ring         |
| 17   | 125-6978    | 1    | Gasket         |
| 18   | 125-7192    | 1    | Gasket         |
| 19   | 93-0362     | 1    | Bolt           |
| 20   | 125-7214    | 3    | Bolt           |
| 21   | 125-7219    | 1    | Bolt           |
| 22   | 125-7222    | 3    | Bolt           |
| 23   | 125-7039    | 1    | V-Pulley       |
| 24   | 127-2998    | 1    | V-Belt         |

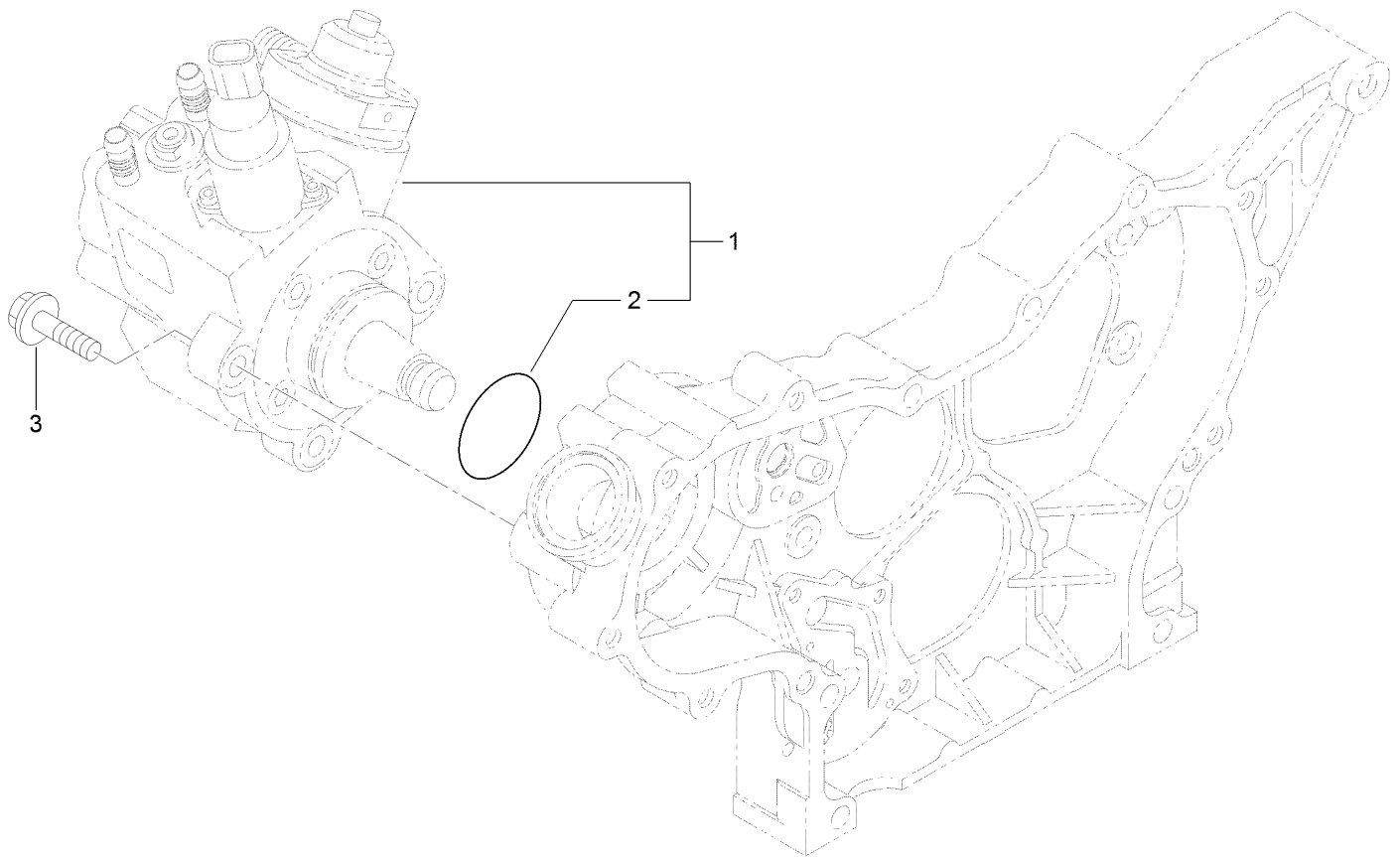
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 25   | 125-7206    | 4    | Bolt                  |
| 26   | 125-7029    | 1    | Thermostat            |
| 27   | 125-7026    | 1    | Gasket                |
| 28   | 125-7034    | 1    | Cover                 |
| 29   | 125-7110    | 1    | Gasket                |
| 30   | 125-7594    | 2    | Bolt                  |
| 31   | 125-6953    | 1    | Plug                  |
| 32   | 125-7124    | 1    | Sensor-Thermostat, CW |
| 33   | 125-6979    | 1    | Gasket                |
| 34   | 125-7176    | 1    | Washer-Seal           |
| 35   | 127-3017    | 1    | Joint                 |
| 36   | 127-3072    | 1    | Water In Pipe ASM     |
| 38   | 127-3020    | 2    | Clip-Hose             |
| 40   | 127-3115    | 1    | Water Out Pipe ASM    |
| 41   | 127-3020    | 2    | Clip-Hose             |
| 43   | 127-3116    | 1    | Water Out Pipe ASM    |
| 44   | 127-3020    | 2    | Clip-Hose             |
| 47   | 127-3117    | 1    | Pipe-Out, CW          |
| 48   | 125-7214    | 2    | Bolt                  |



## Fuel Injection Valve Assembly

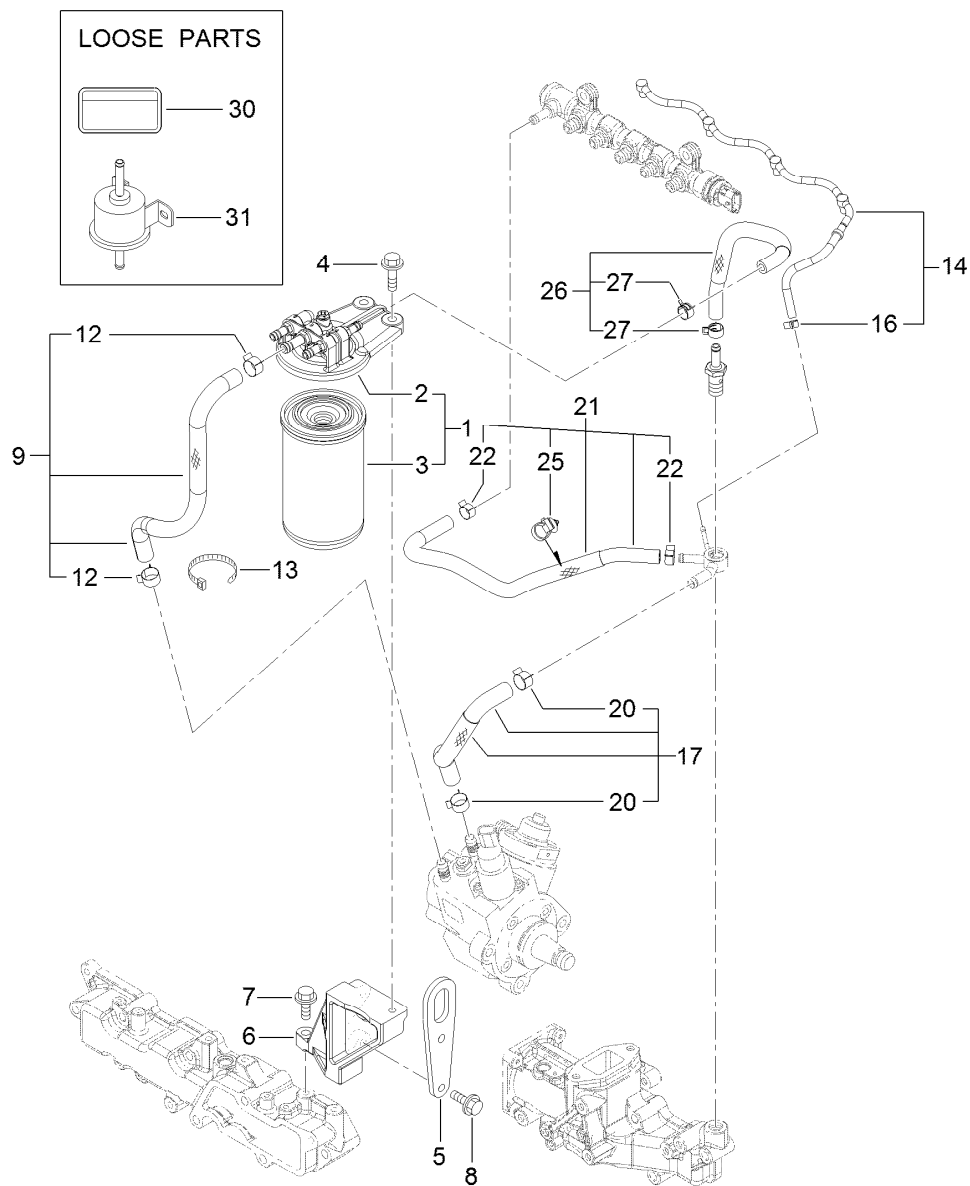
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 127-3104    | 4    | Injector ASM       |
| 2    | 127-3118    | 1    | Rail ASM           |
| 3    | 125-7215    | 2    | Bolt               |
| 4    | 127-2982    | 4    | Retainer           |
| 6    | 127-3082    | 1    | Rail In Pipe ASM   |
| 8    | 127-3121    | 1    | Injection Pipe ASM |
| 9    | 127-3083    | 1    | Injection Pipe ASM |
| 10   | 127-3122    | 1    | Injection Pipe ASM |
| 11   | 127-3084    | 1    | Injection Pipe ASM |
| 12   | 125-7231    | 4    | Nut                |
| 13   | 130-7430    | 4    | Ring-Retaining     |

# Fuel System Assembly



## Fuel System Assembly (continued)

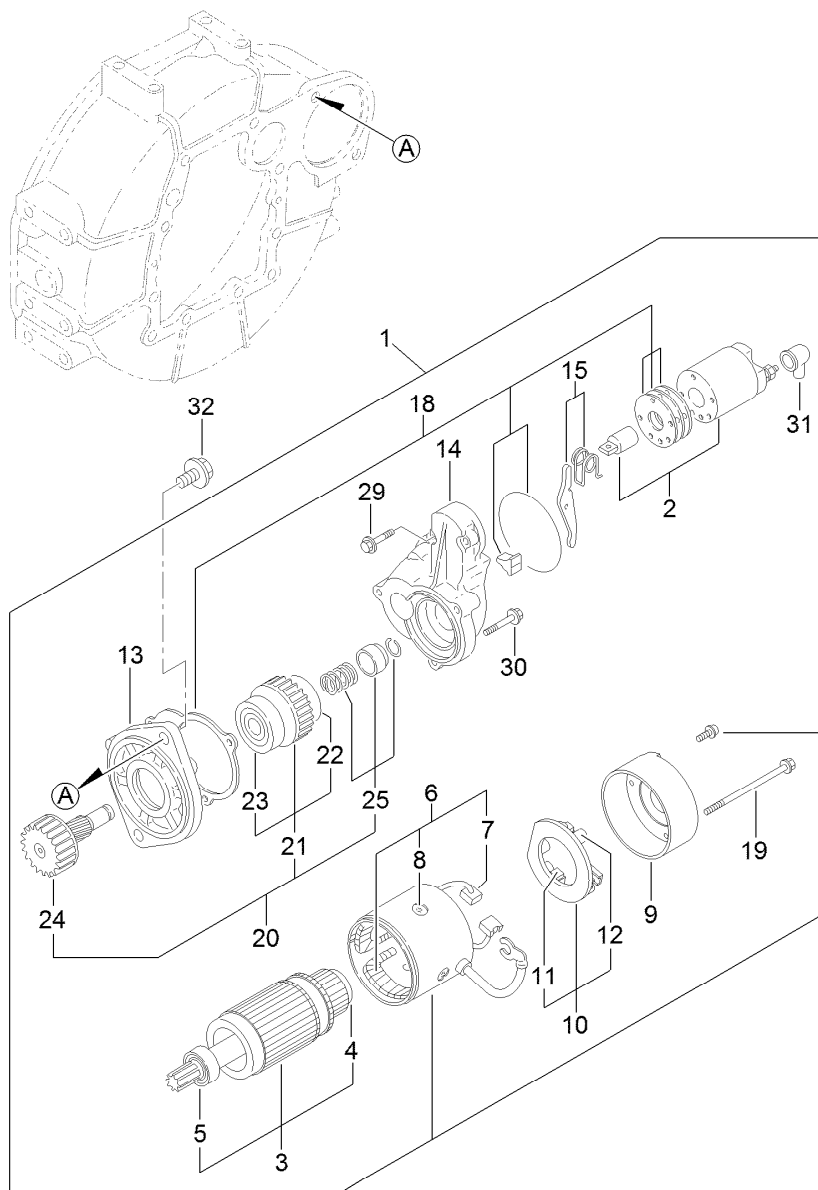
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 127-3073           | 1           | Fuel Pump ASM      |
| 2           | 127-3074           | 1           | O-Ring             |
| 3           | 125-7216           | 3           | Bolt               |



## Fuel Line Assembly

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 127-3075    | 1    | Fuel/Oil Filter ASM         |
| 2    | 127-3076    | 1    | Fuel/Oil Filter Bracket ASM |
| 3    | 125-8752    | 1    | Filter-Fuel/Oil             |
| 4    | 125-7216    | 2    | Bolt                        |
| 5    | 127-3091    | 1    | Lifter-Engine               |
| 6    | 127-3105    | 1    | Stay-Bracket, Filter        |
| 7    | 125-7215    | 1    | Bolt                        |
| 8    | 125-7216    | 2    | Bolt                        |
| 9    | 127-3077    | 1    | Fuel Pipe ASM               |
| 12   | 125-7191    | 2    | Clamp-Hose                  |
| 13   | 127-2981    | 1    | Band                        |

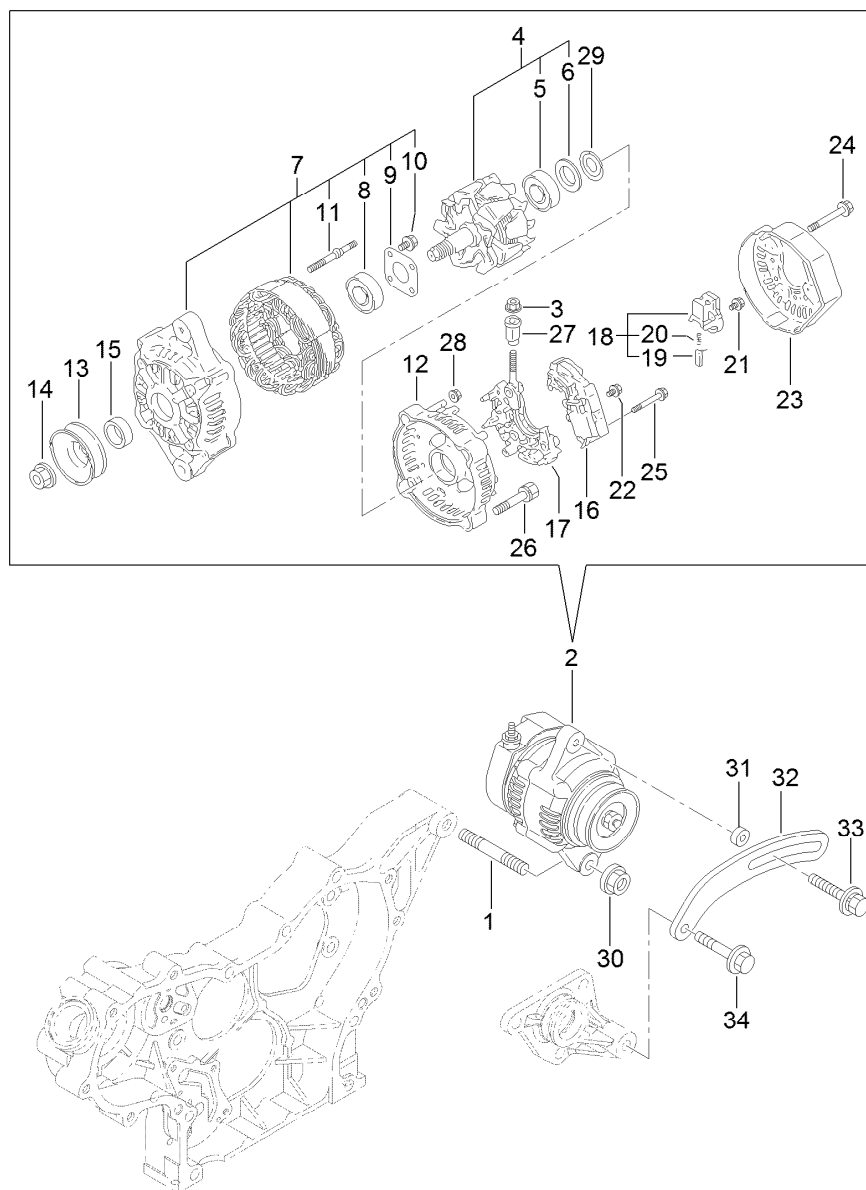
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 14   | 127-3120    | 1    | Fuel Pipe ASM           |
| 16   | 127-3172    | 1    | Clamp-Hose              |
| 17   | 127-3078    | 1    | Fuel Pipe ASM           |
| 20   | 125-7191    | 2    | Clamp-Hose              |
| 21   | 127-3119    | 1    | Fuel Pipe ASM           |
| 22   | 127-2950    | 2    | Clip-Hose               |
| 25   | 127-3087    | 1    | Band-Clip               |
| 26   | 127-3079    | 1    | Fuel Pipe ASM           |
| 27   | 127-2950    | 2    | Clip-Hose               |
| 30   | 125-6900    | 1    | Label-Caution, Fuel Oil |
| 31   | 127-3008    | 1    | Fuel Feed Pump ASM      |



## Starting Motor Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 125-7003    | 1    | Starter          |
| 2    | 125-7004    | 1    | Switch ASM       |
| 3    | 125-7112    | 1    | Armature ASM     |
| 4    | 125-7252    | 1    | Bearing-Ball     |
| 5    | 125-7249    | 1    | Bearing, Ball    |
| 6    | 125-7113    | 1    | Field Coil ASM   |
| 7    | 125-7114    | 2    | Brush            |
| 8    | 125-7163    | 4    | Screw            |
| 9    | 125-7115    | 1    | Cover            |
| 10   | 125-7116    | 1    | Brush Holder ASM |
| 11   | 125-7114    | 2    | Brush            |
| 12   | 125-7036    | 4    | Spring           |
| 13   | 125-7164    | 1    | Case-Gear        |
| 14   | 125-7005    | 1    | Housing          |

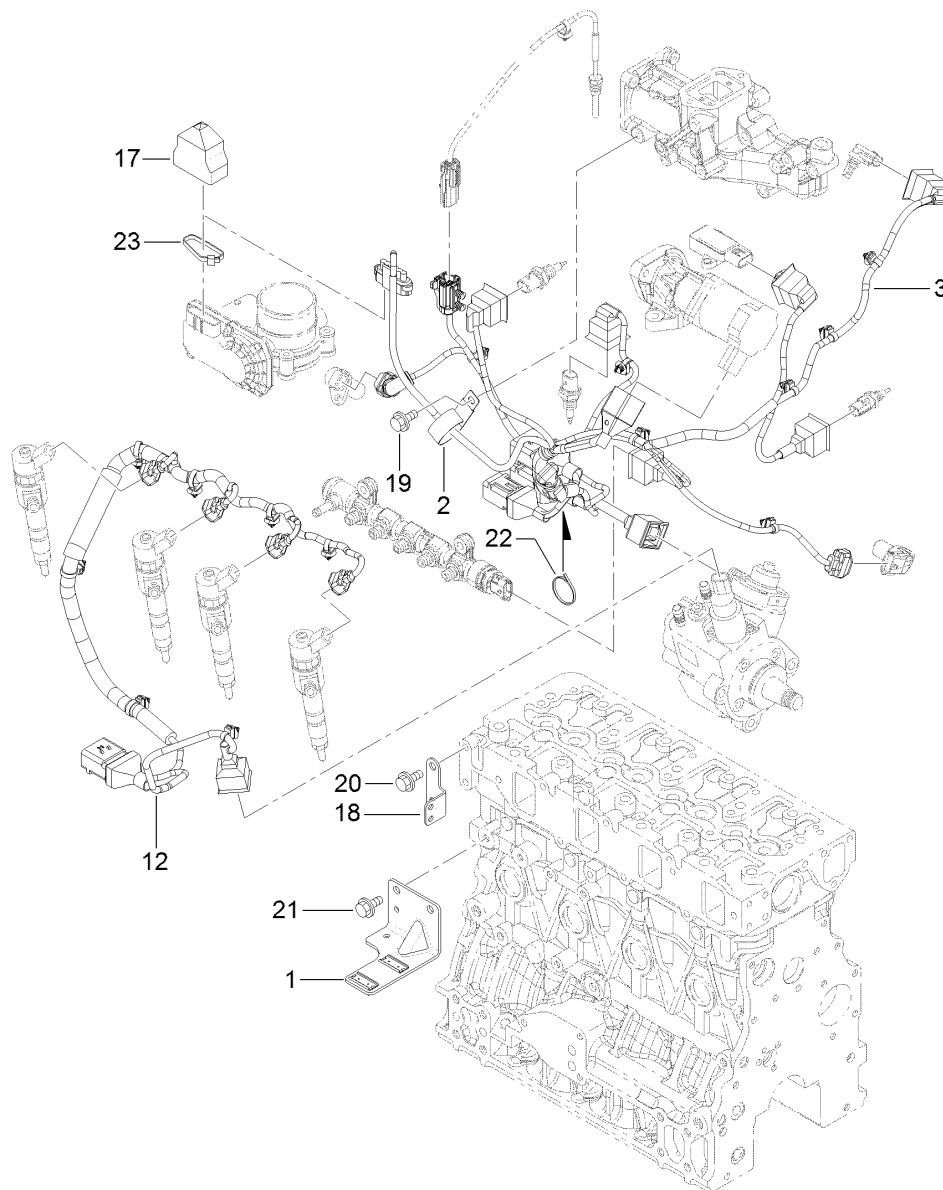
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 15   | 125-7165    | 1    | Lever Set      |
| 18   | 125-7037    | 1    | Dust Cover ASM |
| 19   | 125-7117    | 2    | Bolt-Through   |
| 20   | 125-7166    | 1    | Pinion ASM     |
| 21   | 125-7250    | 1    | Clutch ASM     |
| 22   | 125-7251    | 1    | Bearing-Ball   |
| 23   | 125-7253    | 1    | Bearing-Ball   |
| 24   | 125-7167    | 1    | Shaft          |
| 25   | 125-7168    | 1    | Stopper Set    |
| 29   | 125-7210    | 2    | Bolt           |
| 30   | 125-7211    | 3    | Bolt           |
| 31   | 125-7169    | 1    | Cover          |
| 32   | 125-7225    | 2    | Bolt           |



## Generator Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 127-3011    | 1    | Stud           |
| 2    | 125-7120    | 1    | Alternator-12V |
| 3    | 127-3190    | 1    | Nut            |
| 4    | 127-2951    | 1    | Rotor ASM      |
| 5    | 127-2983    | 1    | Bearing-Ball   |
| 6    | 127-2962    | 1    | Cover          |
| 7    | 127-2952    | 1    | Frame ASM      |
| 8    | 127-2958    | 1    | Bearing-Ball   |
| 9    | 127-2959    | 1    | Plate-Retainer |
| 10   | 127-2960    | 4    | Screw          |
| 11   | 127-2961    | 2    | Stud           |
| 12   | 127-2953    | 1    | Frame ASM      |
| 13   | 127-2954    | 1    | Pulley         |
| 14   | 127-2955    | 1    | Nut            |
| 15   | 127-2957    | 1    | Collar         |
| 16   | 127-3002    | 1    | Regulator ASM  |
| 17   | 127-2963    | 1    | Holder         |

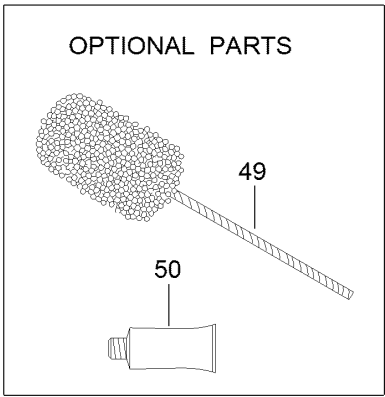
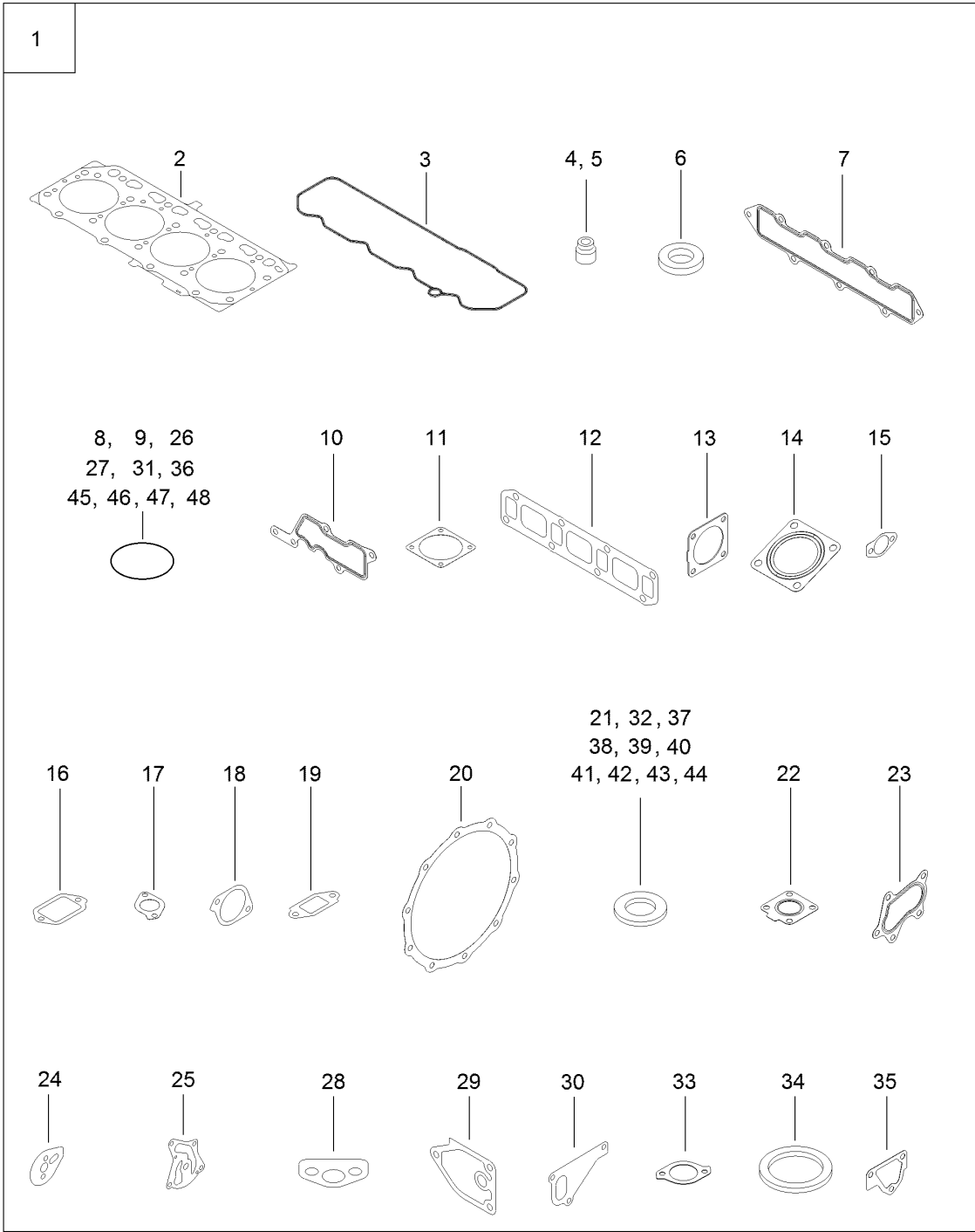
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 18   | 127-2993    | 1    | Holder             |
| 19   | 127-2956    | 2    | Brush ASM          |
| 20   | 127-2964    | 2    | Spring             |
| 21   | 127-2965    | 6    | Screw              |
| 22   | 127-2966    | 1    | Screw              |
| 23   | 127-2999    | 1    | Cover              |
| 24   | 127-2967    | 3    | Bolt               |
| 25   | 127-2968    | 2    | Screw              |
| 26   | 127-2969    | 2    | Bolt               |
| 27   | 127-2970    | 1    | Bushing-Insulation |
| 28   | 127-2971    | 2    | Nut                |
| 29   | 127-2972    | 1    | Washer             |
| 30   | 125-7230    | 1    | Nut                |
| 31   | 125-6947    | 1    | Spacer             |
| 32   | 127-2977    | 1    | Adjuster           |
| 33   | 125-7134    | 1    | Bolt               |
| 34   | 125-7219    | 1    | Bolt               |



## Electric Parts Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 127-3086    | 1    | Bracket-Connector       |
| 2    | 127-3018    | 1    | Clip                    |
| 3    | 127-3156    | 1    | Harness B-E C O, Engine |
| 12   | 127-3125    | 1    | Harness C               |
| 17   | 127-3089    | 1    | Boot-Type, Cap          |
| 18   | 127-3090    | 1    | Bracket-Harness         |
| 19   | 93-0362     | 1    | Bolt                    |
| 20   | 93-0362     | 2    | Bolt                    |
| 21   | 93-0362     | 2    | Bolt                    |
| 22   | 127-3187    | 1    | Band                    |
| 23   | 127-3188    | 1    | Band                    |

# Gasket Set



## Gasket Set (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 127-3189           | 1           | Gasket Kit                 | 26          | 125-6909           | 2           | O-Ring             |
| 2           | 127-3126           | 1           | Gasket-Head, Cylinder      | 27          | 127-2973           | 1           | O-Ring             |
| 3           | 127-3106           | 1           | Gasket-Cover               | 28          | 125-7022           | 1           | Gasket             |
| 4           | 127-2986           | 4           | Seal-Stem, Valve           | 29          | 125-7024           | 1           | Gasket             |
| 5           | 127-3027           | 4           | Seal-Stem, Valve           | 30          | 125-7047           | 1           | Gasket             |
| 6           | 127-3021           | 4           | Gasket-Injector            | 31          | 125-7048           | 1           | O-Ring             |
| 7           | 127-3107           | 1           | Gasket-Manifold, Intake    | 32          | 125-6979           | 1           | Gasket             |
| 8           | 127-3032           | 2           | O Ring-Sensor, Pressure    | 33          | 125-7110           | 1           | Gasket             |
| 9           | 127-3033           | 1           | O-Ring                     | 34          | 125-7026           | 1           | Gasket             |
| 10          | 127-3034           | 1           | Gasket-Collector           | 35          | 125-6978           | 1           | Gasket             |
| 11          | 127-3037           | 2           | Gasket-Throttle            | 36          | 127-3074           | 1           | O-Ring             |
| 12          | 127-3108           | 1           | Gasket-Manifold, Exhaust   | 37          | 125-7174           | 1           | Washer-Seal        |
| 13          | 127-3019           | 1           | Gasket                     | 38          | 125-7175           | 2           | Washer-Seal        |
| 14          | 127-2987           | 1           | Gasket-Silencer            | 39          | 125-7176           | 1           | Washer-Seal        |
| 15          | 127-3043           | 2           | Gasket-Cooler, E G R       | 40          | 127-3166           | 2           | Washer-Seal        |
| 16          | 127-3046           | 1           | Gasket-E G R               | 41          | 125-7177           | 1           | Washer-Seal        |
| 17          | 127-3016           | 1           | Gasket                     | 42          | 125-7192           | 1           | Gasket             |
| 18          | 127-3050           | 1           | Gasket-Intake Valve, E G R | 43          | 125-7193           | 2           | Gasket             |
| 19          | 127-3051           | 1           | Gasket-Out Valve, E G R    | 44          | 127-3174           | 2           | Gasket             |
| 20          | 127-3162           | 2           | Gasket-D P F               | 45          | 93-0418            | 3           | O-Ring             |
| 21          | 127-3056           | 4           | Gasket-Sensor              | 46          | 125-7197           | 1           | O-Ring             |
| 22          | 125-7070           | 1           | Gasket                     | 47          | 125-7198           | 1           | O-Ring             |
| 23          | 125-7071           | 1           | Gasket                     | 48          | 127-3176           | 1           | O-Ring             |
| 24          | 127-3069           | 1           | Gasket-Idle, Shaft B       | 49          | 127-3000           | 1           | Hone               |
| 25          | 127-3004           | 1           | Gasket                     | 50          | 125-7248           | 1           | Gasket-Liquid      |

# Attachments and Accessories

## For 30881 Groundsmaster 4500-D Rotary Mower

| Product Name                                                           | Model/Part  |
|------------------------------------------------------------------------|-------------|
| TÜV Kit - German Vehicle Serial Plate .....                            | 02983       |
| Operator Cooling Fan .....                                             | 03247       |
| Switch Panel-Universal Sunshade.....                                   | 03248       |
| Roller Scraper Kit.....                                                | 104-5168    |
| Blade-High Lift .....                                                  | 104-5183    |
| Blade-Angle Sail .....                                                 | 105-9810-03 |
| Blade-Atomic .....                                                     | 107-0235-03 |
| Premium All Purpose Grease (Tube) .....                                | 108-1190    |
| 27in Blade Service Pack (qty 5) .....                                  | 108-1463    |
| Blade-Combo.....                                                       | 108-9026-03 |
| Deck Cover .....                                                       | 111-4525    |
| Sectional Roller Assembly .....                                        | 117-5121    |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail) ..... | 119-2157    |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum)..... | 119-2158    |
| Deck Lock Kit, Groundsmaster 4500-D/4700-D Traction Unit .....         | 119-8641    |
| Service Decal .....                                                    | 127-6369    |
| Roller Asm (UHMW) .....                                                | 131-7800    |
| PX Hydraulic Fluid (5 Gal) .....                                       | 133-8086    |
| PX Hydraulic Fluid (55 Gal).....                                       | 133-8087    |
| Ballast Kit (27in C/U) .....                                           | 136-2881    |
| Beacon Kit .....                                                       | 138-2699    |
| Sunshade Work Lights Kit.....                                          | 138-2700    |
| Power Harness Kit (GM45XX/GM47XX/GM7XXX).....                          | 138-2995    |
| Homologation Kit .....                                                 | 30667       |
| White Universal Sunshade .....                                         | 30669       |
| Red Universal Sunshade .....                                           | 30671       |
| 27in Rotary Cutting Unit.....                                          | 30834       |
| Leaf Mulching Kit .....                                                | 30836       |
| Flow Divider Kit.....                                                  | 30876       |
| Cab Kit.....                                                           | 30901       |
| 2 Post ROPS Extension Kit.....                                         | 31351       |
| Flow Divider Kit.....                                                  | 31527       |
| ROPS Beacon Kit .....                                                  | 31577       |
| 1000 Hour Mvp Kit-Tier IV.....                                         | 44967       |

**Notes:**



**Count on it.**