



**Count on it.**

# Parts Catalog

## **Multi Pro<sup>®</sup> 5800-G**

### **Turf Sprayer with ExcelaRate<sup>®</sup> Spray System**

Model No. 41394—Serial No. 417400000 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.

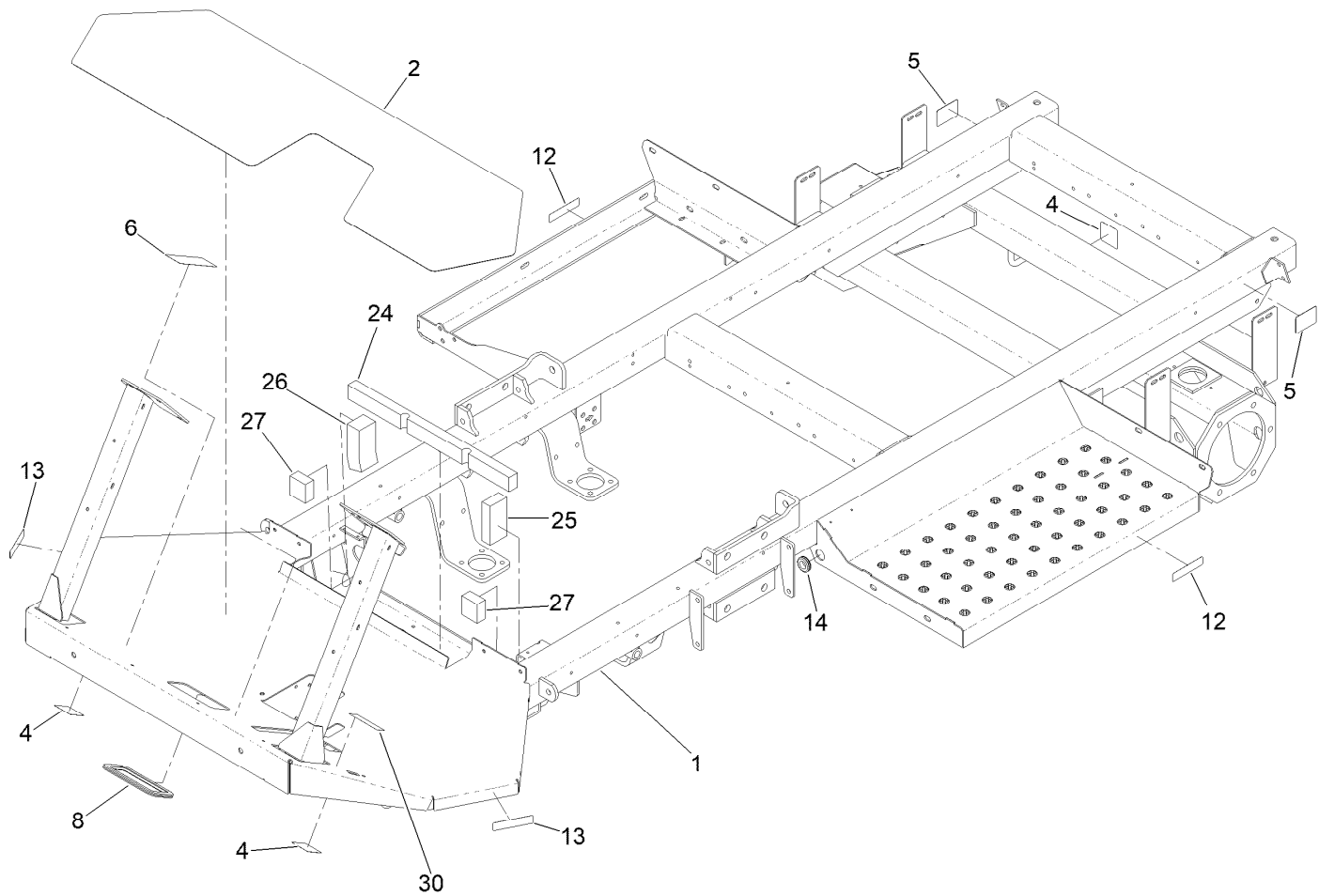
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

# Contents

|                                                                           |    |
|---------------------------------------------------------------------------|----|
| Frame Assembly . . . . .                                                  | 5  |
| Front Axle Assembly . . . . .                                             | 6  |
| Cylinder Assembly No. 138-6102 . . . . .                                  | 8  |
| Hub Assembly No. 119-6003 . . . . .                                       | 9  |
| Front Suspension Assembly . . . . .                                       | 10 |
| Seat Base Assembly . . . . .                                              | 11 |
| Seat, Fresh Water Tank and Roll-Over Protection System Assembly . . . . . | 12 |
| Control Console Assembly . . . . .                                        | 13 |
| Brake Pedal Assembly . . . . .                                            | 14 |
| Traction Pedal Assembly . . . . .                                         | 15 |
| Throttle Assembly . . . . .                                               | 16 |
| Dash Panel Assembly . . . . .                                             | 17 |
| Engine Mounting and Bell Housing . . . . .                                | 19 |
| Muffler and Air Cleaner Assembly . . . . .                                | 20 |
| Air Cleaner Assembly No. 106-5277 . . . . .                               | 22 |
| Engine and Shroud Assembly . . . . .                                      | 23 |
| Fuel Tank Assembly . . . . .                                              | 24 |
| Radiator Assembly . . . . .                                               | 25 |
| Hydraulic Pump and Filter Assembly . . . . .                              | 26 |
| Piston Pump Assembly No. 117-0685 . . . . .                               | 28 |
| Control Assembly No. 115-4446 . . . . .                                   | 30 |
| Tandem Pump Assembly No. 138-6193 . . . . .                               | 31 |
| Hydraulic Tank Assembly . . . . .                                         | 32 |
| Hydraulic Tube and Hose Assembly . . . . .                                | 33 |
| Pump Control Valve Assembly No. 117-0708 . . . . .                        | 35 |
| Steering Hydraulic Assembly . . . . .                                     | 36 |
| Steering Valve Assembly No. 137-7509 . . . . .                            | 37 |
| Boom Lift Assembly . . . . .                                              | 38 |
| Hydraulic Cylinder Assembly No. 117-0701 . . . . .                        | 39 |
| On-Off Boom Lift Valve Assembly No. 136-2400 . . . . .                    | 40 |
| Rear Drive Assembly . . . . .                                             | 41 |
| Planetary Assembly No. 136-2913 . . . . .                                 | 43 |
| RH Brake Assembly No. 100-3069 . . . . .                                  | 44 |
| LH Brake Assembly No. 100-3070 . . . . .                                  | 45 |
| Hydraulic Motor Assembly No. 132-5631 . . . . .                           | 46 |
| Hydraulic Motor Assembly No. 136-2373 . . . . .                           | 47 |
| Electrical Assembly . . . . .                                             | 48 |
| Tank and Saddle Assembly . . . . .                                        | 49 |
| Tank Assembly No. 117-8005 . . . . .                                      | 50 |
| Spray Tank Lid Assembly No. 138-6283 . . . . .                            | 51 |
| Bypass Hose Assembly No. 132-4297 . . . . .                               | 52 |
| Tank Mounting and Filter Assembly . . . . .                               | 53 |
| Filter Assembly No. 130-7096 . . . . .                                    | 54 |
| Spray System Hose Assembly . . . . .                                      | 55 |
| Spray Pump and Valve Assembly . . . . .                                   | 57 |
| Manifold Assembly . . . . .                                               | 59 |
| 3-Way Valve Assembly No. 147-3183 . . . . .                               | 61 |
| Actuator On/Off Assembly No. 140-7377 . . . . .                           | 62 |
| Bypass Valve Assembly No. 127-9805 . . . . .                              | 63 |
| On/Off 2-Way Valve Kit No. 131-0249 . . . . .                             | 64 |
| M100 Manifold Assembly No. 161-4110 . . . . .                             | 66 |
| 3-Way Flange Manifold Assembly No. 147-3192 . . . . .                     | 67 |
| Pump Assembly No. 145-3382 . . . . .                                      | 68 |
| Agitation Hose Assembly No. 139-3093 . . . . .                            | 70 |

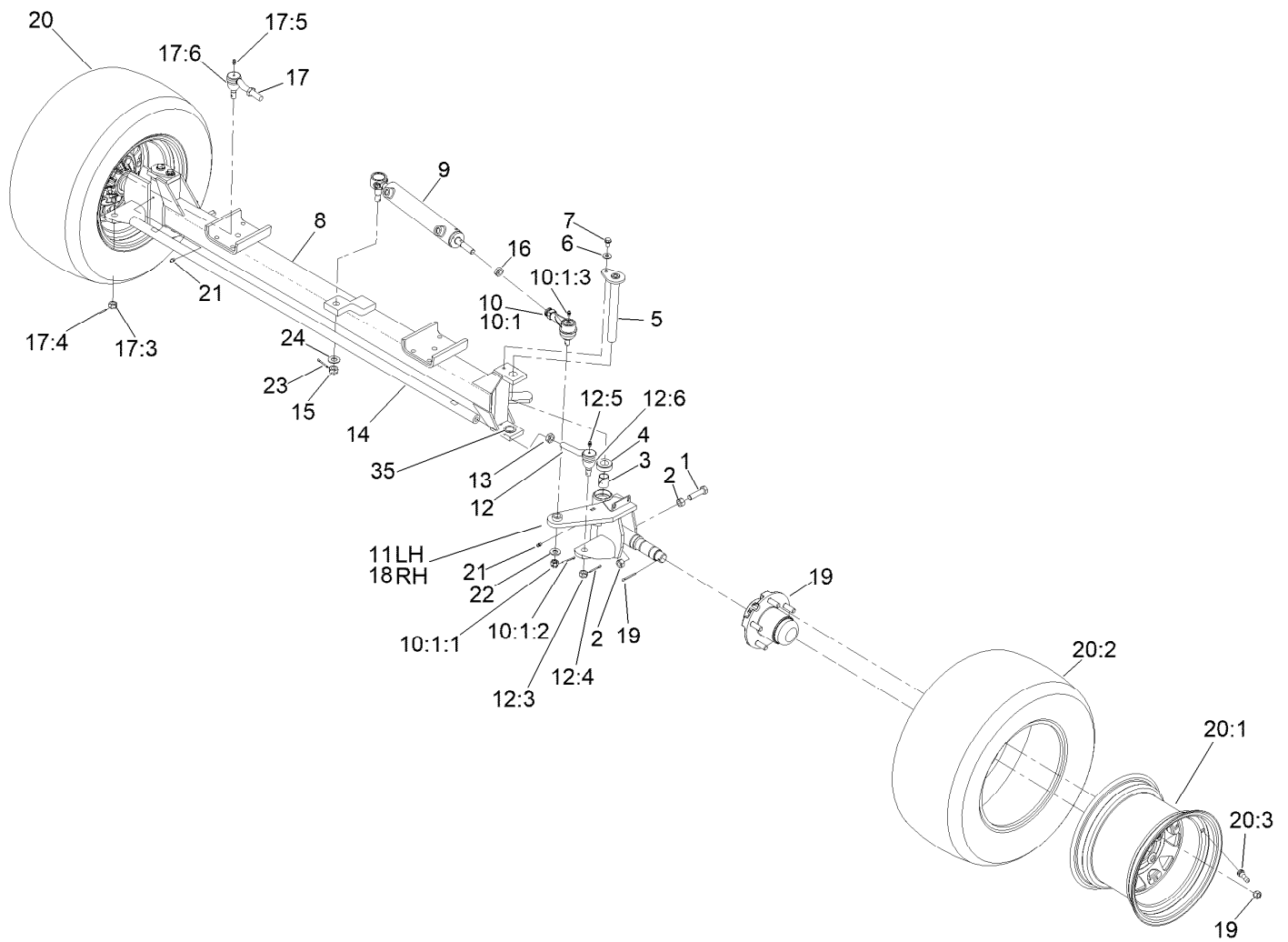
## Contents (continued)

|                                                   |     |
|---------------------------------------------------|-----|
| Hydraulic Motor Assembly No. 117-0706 .....       | 71  |
| Center Boom Assembly .....                        | 72  |
| LH Single Turret Body Assembly No. 108-3725 ..... | 74  |
| Double Turret Body Assembly No. 108-3727 .....    | 75  |
| RH Single Body Turret Assembly No. 108-3726 ..... | 76  |
| Boom Pivot Assembly .....                         | 77  |
| Left and Right Hand Boom Assembly .....           | 78  |
| Crankcase Assembly .....                          | 79  |
| Oil Pan Assembly .....                            | 80  |
| Cylinder Head Assembly .....                      | 81  |
| Gear Case and Oil Filter Cartridge Assembly ..... | 82  |
| Cylinder Head Cover Assembly .....                | 83  |
| Oil Dipstick and Guide Assembly .....             | 84  |
| Main Bearing Case Assembly .....                  | 85  |
| Cam Shaft and Idle Gear Assembly .....            | 86  |
| Piston and Crankshaft Assembly .....              | 87  |
| Flywheel and Sensor Switch Assembly .....         | 88  |
| Ignition Coil and Delivery Pipe Assembly .....    | 89  |
| Engine Covers Assembly .....                      | 90  |
| Solenoid Cover and Hydraulic Pump Cover .....     | 91  |
| Alternator, Pulley and Fan Assembly .....         | 92  |
| Alternator Assembly No. 131-9567 .....            | 93  |
| Starter Installation Assembly .....               | 94  |
| Starter Components Assembly .....                 | 95  |
| Water Flange and Thermostat Assembly .....        | 96  |
| Water Pump Assembly .....                         | 97  |
| Valve and Rocker Arm Assembly .....               | 98  |
| Inlet Manifold Assembly .....                     | 99  |
| Exhaust Manifold Assembly .....                   | 100 |
| Wire Harness Assembly .....                       | 101 |
| Electronic Control Unit Assembly .....            | 102 |
| Miscellaneous Engine Parts .....                  | 103 |
| Attachments and Accessories .....                 | 104 |



## Frame Assembly

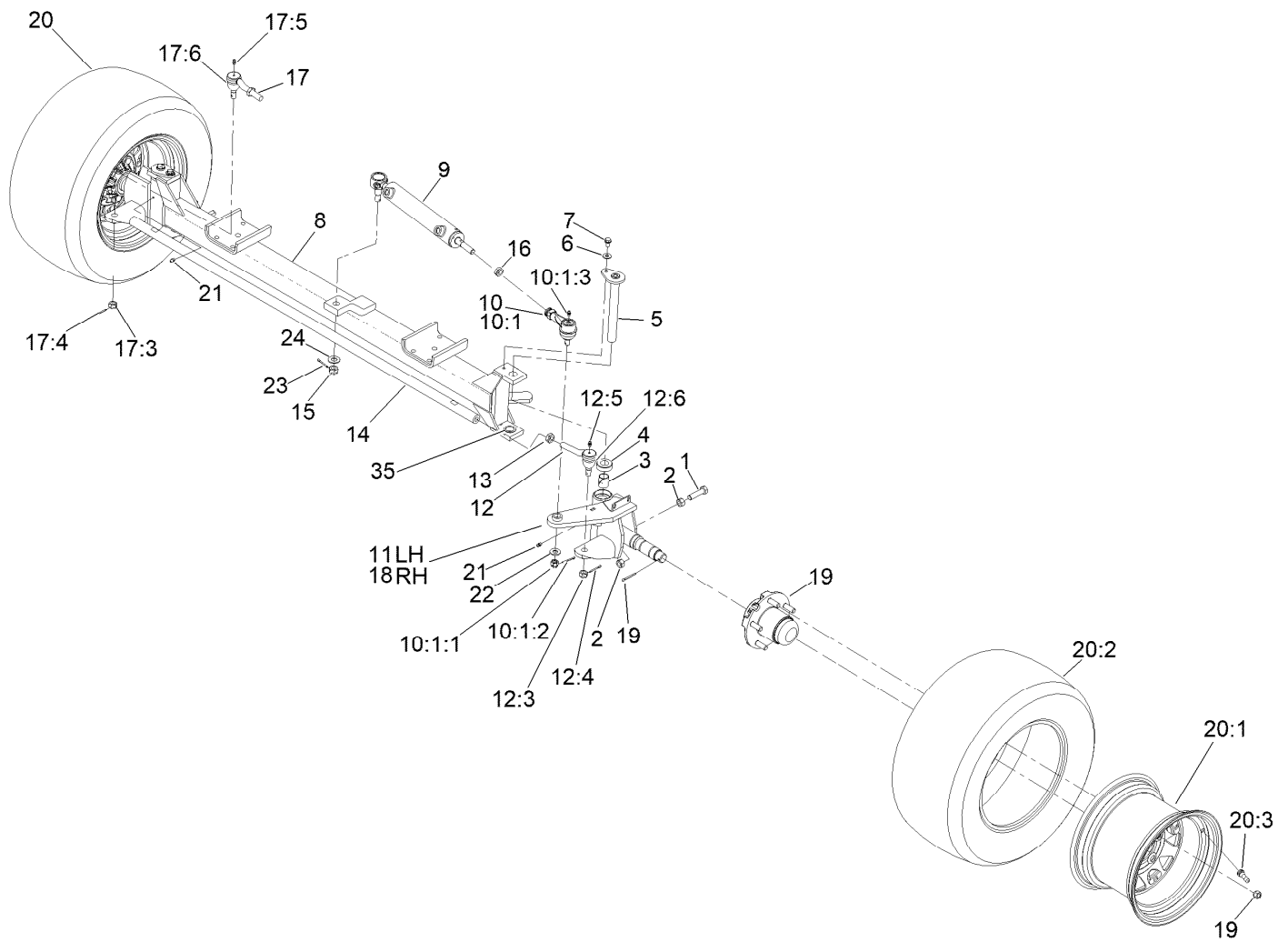
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 130-7070-03 | 1    | Frame                  |
| 2    | 104-8863    | 1    | Tread-Floor            |
| 4    | 120-0623    | 3    | Decal-Tie Down, Towing |
| 5    | 107-8667    | 2    | Decal-Jacking          |
| 6    | 107-8724    | 1    | Decal-Traction         |
| 8    | 119-0599    | 1    | Trim-Seal              |
| 12   | 107-8732    | 2    | Decal-Torque (CE)      |
| 13   | 107-8731    | 2    | Decal-Torque (CE)      |
| 14   | 240-6       | 1    | Grommet-Rubber         |
| 24   | 131-5751    | 1    | Foam-Seal              |
| 25   | 131-5752    | 1    | Foam-Seal              |
| 26   | 131-5753    | 1    | Foam-Seal              |
| 27   | 131-5754    | 2    | Foam-Seal              |
| 30   | 136-2351    | 1    | Decal-Brake, Parking   |



## Front Axle Assembly

| Ref.   | Part Number | Qty. | Description      | Ref. | Part Number | Qty. | Description        |
|--------|-------------|------|------------------|------|-------------|------|--------------------|
| 1      | 01-182-0816 | 2    | Bolt-HH          | 12:5 | 302-5       | 1    | Fitting-Grease     |
| 2      | 3217-9      | 4    | Nut-HH           | 12:6 | 107-1587    | 1    | Seal               |
| 3      | 93-6586     | 4    | Bushing          | 13   | 3218-21     | 1    | Nut-Jam LH         |
| 4      | 93-6587     | 2    | Bearing          | 14   | 93-6588-03  | 1    | Rod-Steering       |
| 5      | 138-6177    | 2    | Pin-King         | 15   | 32136-13    | 1    | Nut-SHH            |
| 6      | 3256-3      | 2    | Washer-Flat      | 16   | 3220-11     | 2    | Nut-Jam            |
| 7      | 32144-14    | 2    | Screw-HWHTF      | 17   | 87-1480-03  | 1    | End-Tie Rod, RH    |
| 8      | 138-9615-03 | 1    | Front Axle ASM   | 17:3 | 32136-3     | 1    | Nut-SHH            |
| 9      | 138-6102    | 1    | Cylinder ASM     | 17:4 | 3272-12     | 1    | Pin-Cotter         |
| 10     | 93-6509-03  | 1    | Tie Rod End ASM  | 17:5 | 302-5       | 1    | Fitting-Grease     |
| 10:1   |             | 1    | End-Tie Rod ●    | 17:6 | 107-1587    | 1    | Seal               |
| 10:1:1 | 137-4176    | 1    | Nut-Hex, Slotted | 18   | 117-5897-03 | 1    | Spindle-RH         |
| 10:1:2 | 3272-12     | 1    | Pin-Cotter       | 19   | 119-6003    | 2    | Hub ASM            |
| 10:1:3 | 302-5       | 1    | Fitting-Grease   | 20   | 127-1100    | 2    | Wheel And Tire ASM |
| 11     | 138-6244-03 | 1    | Spindle-LH       | 20:1 | 125-5899    | 1    | Wheel              |
| 12     | 87-1470-03  | 1    | End-Tie Rod, LH  | 20:2 | 120-2114    | 1    | Tire-Smooth        |
| 12:3   | 32136-3     | 1    | Nut-SHH          | 20:3 | 232-27      | 1    | Stem-Valve         |
| 12:4   | 3272-12     | 1    | Pin-Cotter       | 21   | 302-5       | 2    | Fitting-Grease     |

● Not serviced separately

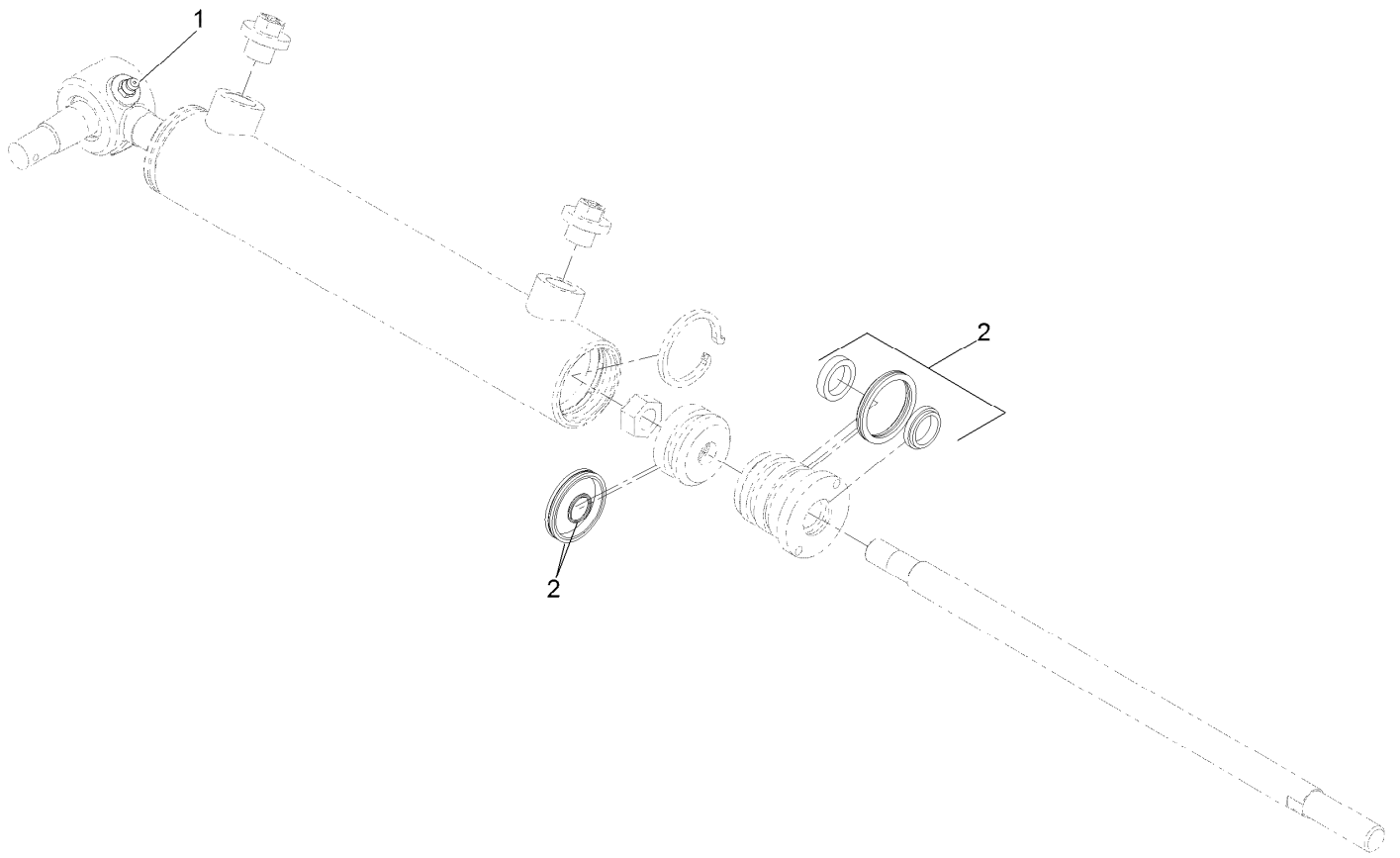


## Front Axle Assembly (continued)

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 22   | 87-7270     | 1    | Washer-Thrust |
| 23   | 3272-12     | 2    | Pin-Cotter    |

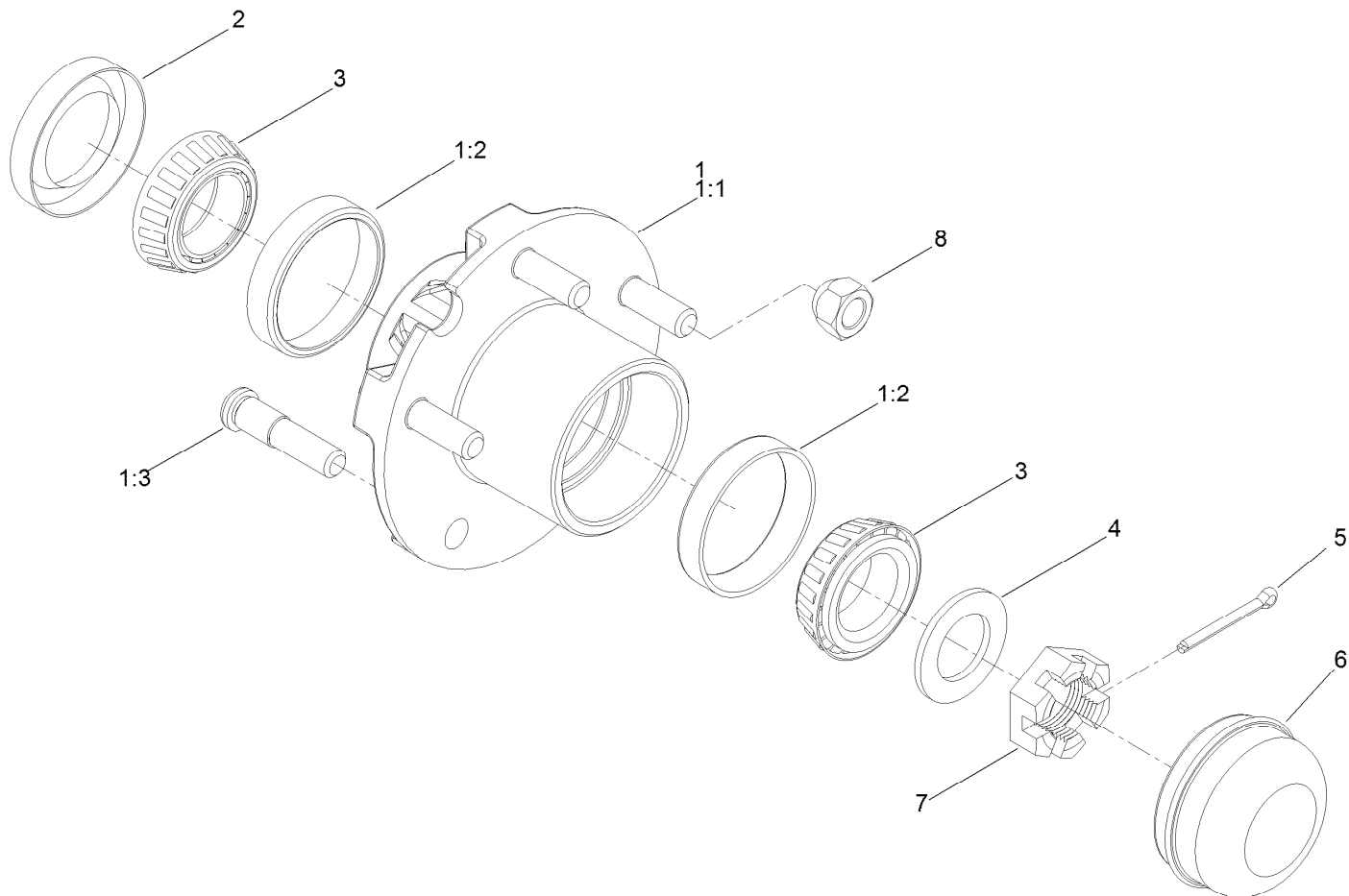
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 24   | 119-1868    | 1    | Washer         |
| 35   | 1-303352    | 2    | Washer-Spindle |

● Not serviced separately



## Cylinder Assembly No. 138-6102

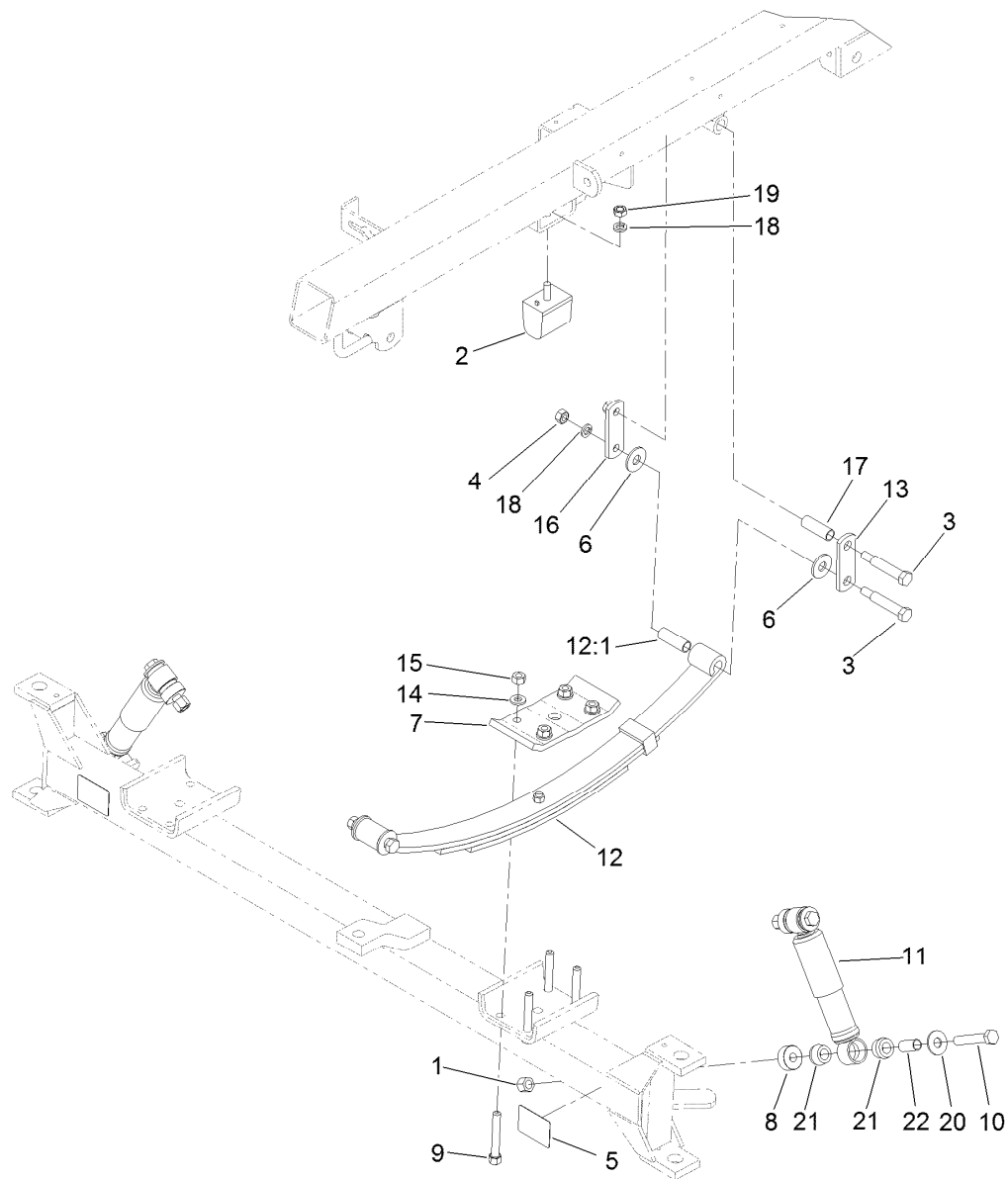
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 302-5              | 1           | Fitting-Grease       |
| 2           | 139-3099           | 1           | Repair Kit, Cylinder |



## Hub Assembly No. 119-6003

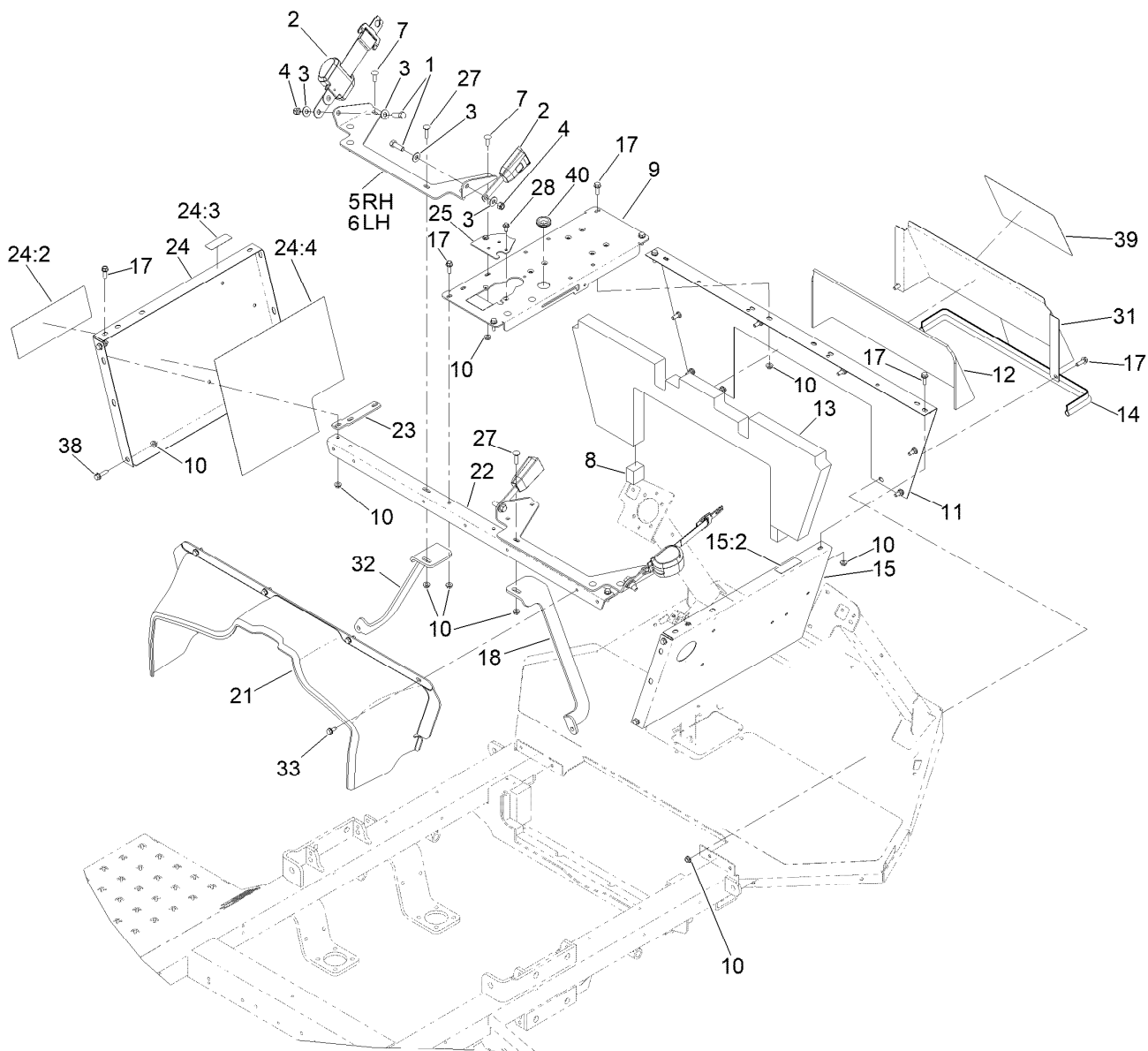
| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 1    | 119-6001    | 1    | Hub ASM                          |
| 1:1  |             | 1    | Hub ●                            |
| 1:2  | 115-9471    | 2    | Bearing-Cup                      |
| 1:3  | 69-2990     | 5    | Stud-Wheel                       |
| 2    | 94-7285     | 1    | Seal                             |
| 3    | 254-62      | 2    | Bearing-Roller, Cone             |
| 4    | HDW01814    | 1    | Washer, Flat, 1.06X1.75X.12, YZN |
| 5    | 3272-18     | 1    | Pin-Cotter                       |
| 6    | 119-6004    | 1    | Cap-Dust                         |
| 7    | 119-6005    | 1    | Nut-Slotted, Hex                 |
| 8    | 242-35      | 5    | Nut-Wheel                        |

● Not serviced separately



## Front Suspension Assembly

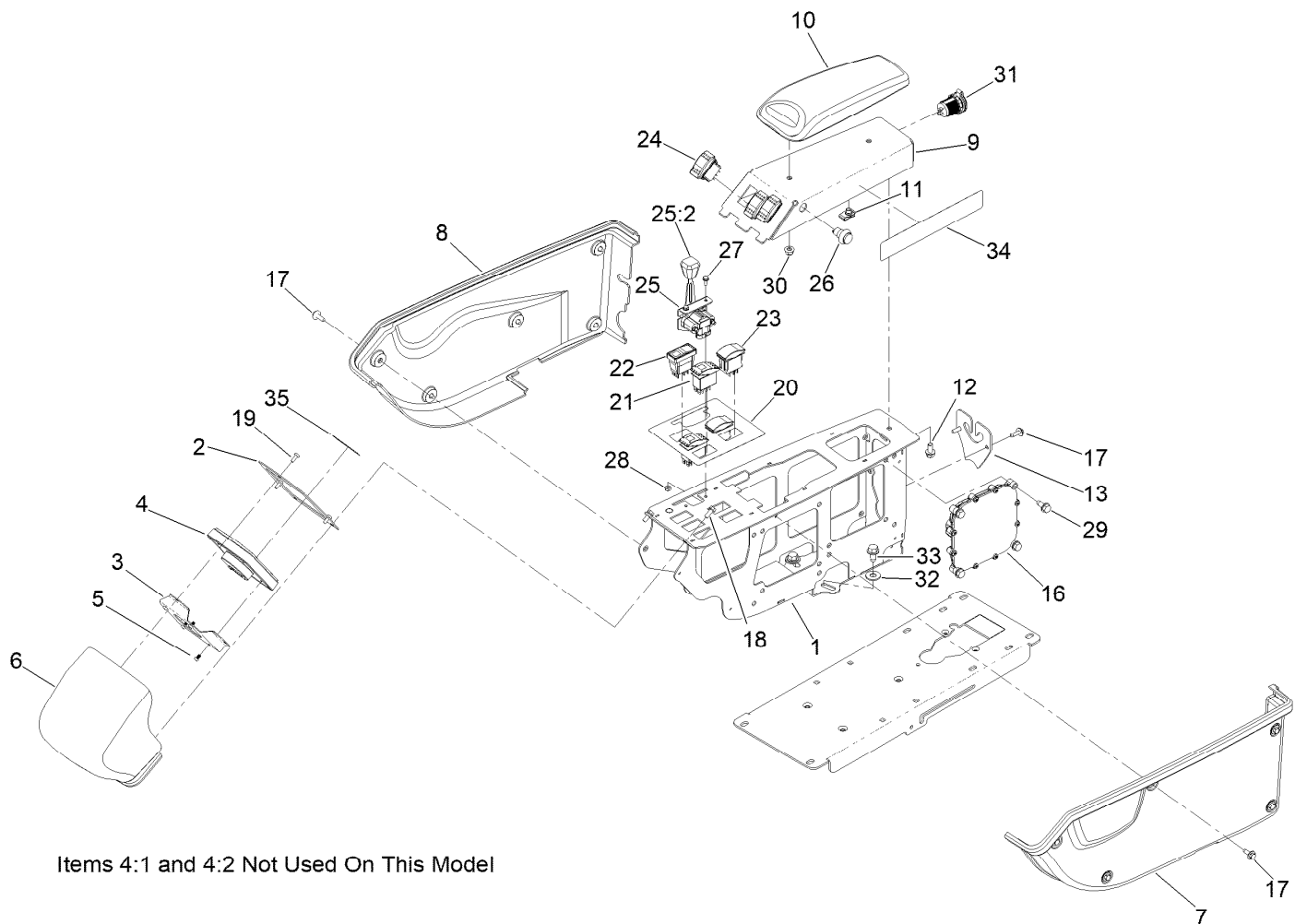
| Ref. | Part Number | Qty. | Description       | Ref. | Part Number | Qty. | Description          |
|------|-------------|------|-------------------|------|-------------|------|----------------------|
| 1    | 3296-23     | 4    | Nut-Lock, NI      | 12:1 | 119-9437    | 2    | Bushing-Spring, Leaf |
| 2    | 87-3470     | 2    | Bumper            | 13   | 42574       | 2    | Shackel-Outside      |
| 3    | 110-5072    | 6    | Bolt-Shoulder     | 14   | 87-7480     | 8    | Washer               |
| 4    | 3217-8      | 6    | Nut-Hex           | 15   | 106-0327    | 8    | Nut-Hex              |
| 5    | 107-8667    | 2    | Decal-Jacking     | 16   | 42576       | 2    | Shackel-Inside       |
| 6    | 93-6161     | 8    | Washer            | 17   | 42592       | 2    | Bushing-Shackle      |
| 7    | 121-5089-03 | 2    | Plate-Top, Spring | 18   | 3253-6      | 8    | Washer-Lock          |
| 8    | 127-2913    | 4    | Spacer            | 19   | 93-6166     | 2    | Nut-Hex              |
| 9    | 26-0672     | 8    | Bolt-Blade        | 20   | 3256-6      | 4    | Washer-Flat          |
| 10   | 325-12      | 4    | Screw-HH          | 21   | 87-3920     | 8    | Bushing              |
| 11   | 121-9774    | 2    | Absorber-Shock    | 22   | 127-2925    | 4    | Sleeve               |
| 12   | 99-0569     | 2    | Spring Leaf       |      |             |      |                      |



## Seat Base Assembly

| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|------------------------------|------|-------------|------|---------------------------------|
| 1    | 324-5       | 4    | Screw-HH                     | 21   | 132-7660    | 1    | Cover-Engine                    |
| 2    | 110-0413    | 2    | Seatbelt-Retractable         | 22   | 119-5025-0P | 1    | Angle-Seat Box                  |
| 3    | 3256-4      | 8    | Washer-Flat                  | 23   | 95-2264     | 2    | Strap                           |
| 4    | 3296-48     | 4    | Nut-Hex                      | 24   | 131-5788    | 1    | LH Seat Box Panel ASM           |
| 5    | 121-5071-03 | 1    | Bracket-Seat Belt, RH        | 24:2 | 120-0619    | 1    | Decal-Warning                   |
| 6    | 121-5072-03 | 1    | Bracket-Seat Belt, LH        | 24:3 | 120-0625    | 1    | Decal-Warning                   |
| 7    | 3230-22     | 10   | Screw-CARR                   | 24:4 | 131-5806    | 1    | Shield-Heat Tape, Seatbase (LH) |
| 8    | 144-6168    | 2    | Strip-Foam, Noise Barrier    | 25   | 132-7705-03 | 1    | Retainer-Harness, Base          |
| 9    | 161-4150-03 | 1    | Base-Console                 | 27   | 3230-3      | 2    | Screw-CARR                      |
| 10   | 32128-20    | 34   | Nut-HF                       | 28   | 119-4012    | 2    | Screw-HWHTF                     |
| 11   | 130-7107-01 | 1    | Panel-Front, Seatbase        | 31   | 130-7119-01 | 1    | Panel-Access, Seatbase          |
| 12   | 130-7132    | 1    | Barrier-Noise, Access Panel  | 32   | 107-8730-0P | 1    | Support-LH                      |
| 13   | 144-6240    | 1    | Barrier - Noise, Front Panel | 33   | 32144-70    | 4    | Screw-HWHTF                     |
| 14   | 131-3282    | 1    | Trim                         | 38   | 3234-36     | 2    | Screw-HHF                       |
| 15   | 130-7104    | 1    | Panel-Seatbase, RH           | 39   | 139-3065    | 1    | Decal-Service                   |
| 15:2 | 120-0625    | 1    | Decal-Warning                | 40   | 240-5       | 1    | Grommet                         |
| 17   | 3234-17     | 20   | Screw-HHF                    |      |             |      |                                 |
| 18   | 107-8729-0P | 1    | Support-RH                   |      |             |      |                                 |



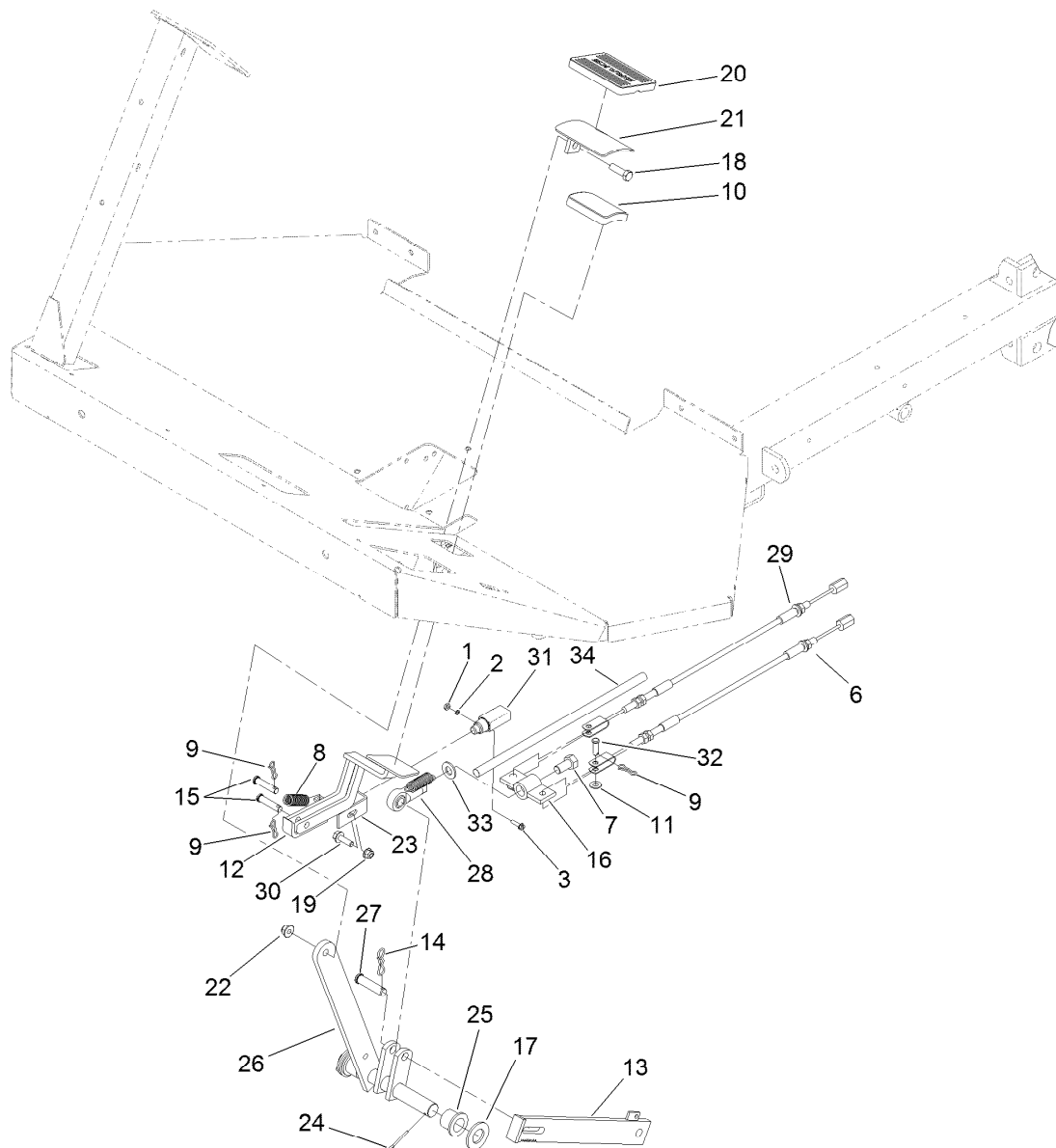


Items 4:1 and 4:2 Not Used On This Model

## Control Console Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 132-5640-03 | 1    | Frame-Console             |
| 2    | 132-7615-03 | 1    | Plate-Monitor             |
| 3    | 132-7610-0P | 1    | Retainer - Monitor        |
| 4    | 125-5320    | 1    | Infocenter Kantrak 2700   |
| 4:1  | 115-8884    | 4    | Nut-Thumb                 |
| 4:2  | 115-8885    | 4    | Stud                      |
| 5    | 132-7668    | 4    | Screw-PPH                 |
| 6    | 132-7617    | 1    | Hood-Console              |
| 7    | 132-7611    | 1    | Cover-LH                  |
| 8    | 132-7612    | 1    | Cover-RH                  |
| 9    | 161-4199-03 | 1    | Panel-Arm                 |
| 10   | 131-9637    | 1    | Armrest-Quick Find        |
| 11   | 112-3306    | 1    | Nut                       |
| 12   | 3234-14     | 1    | Screw-HHF                 |
| 13   | 132-7704-03 | 1    | Retainer-Harness, Console |
| 16   | 122-3375    | 1    | Controller-Tec            |
| 17   | 119-4012    | 12   | Screw-HWHTF               |
| 18   | 32144-85    | 2    | Screw-HWH Thd Form        |
| 19   | 3250-12     | 3    | Screw-PPH                 |
| 20   | 132-7695    | 1    | Decal-Console             |

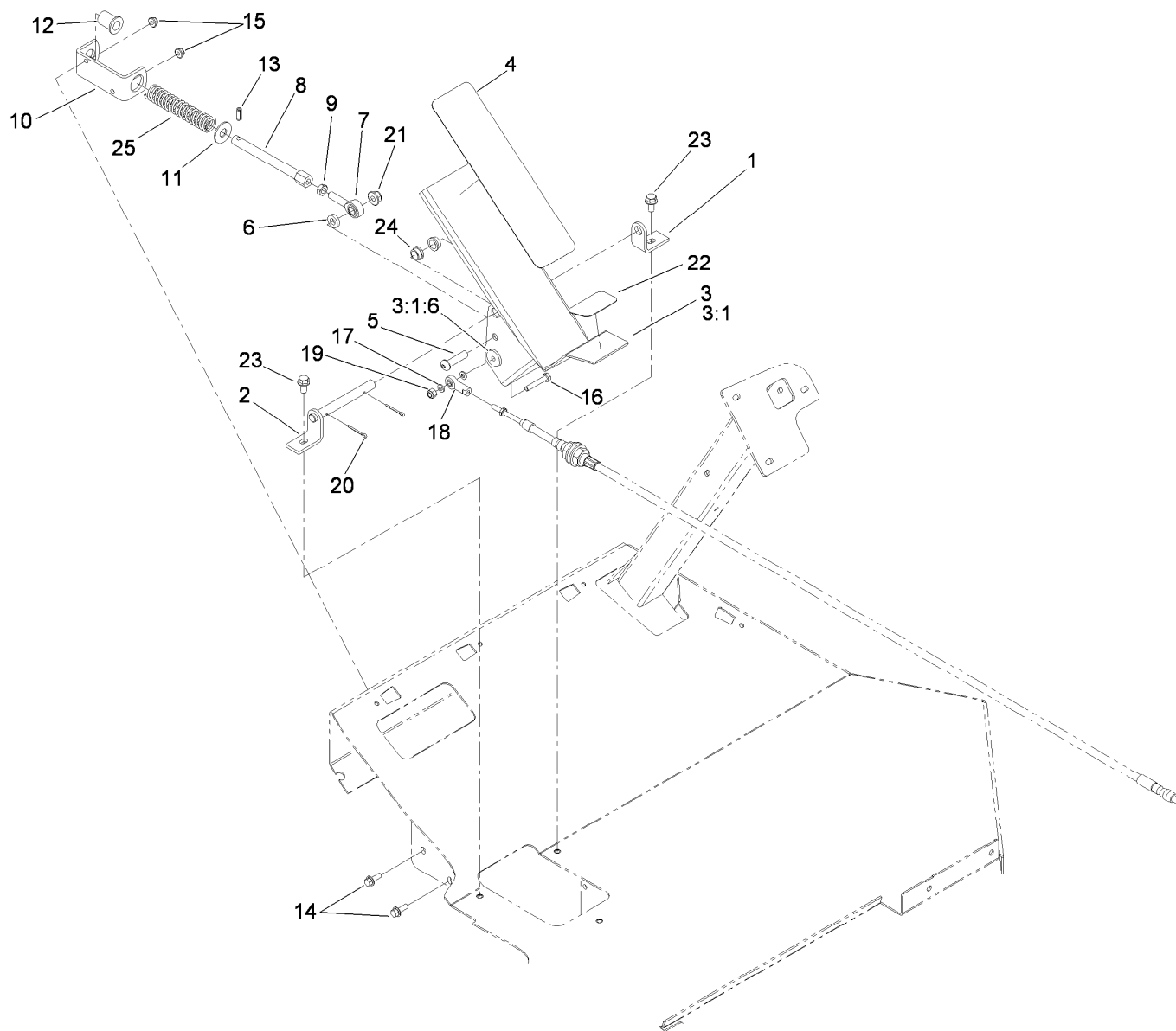
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 21   | 100-8490    | 2    | Switch-Rocker, On-None-On    |
| 22   | 104-9007    | 1    | Switch-Rocker                |
| 23   | 100-1535    | 2    | Switch-Rocker, (On)-Off-(On) |
| 24   | 95-8999     | 3    | Switch-Rocker, On-None-On    |
| 25   | 122-0111    | 1    | Throttle-Electronic          |
| 25:2 | 66-0120     | 1    | Knob                         |
| 26   | 125-7996    | 1    | Switch-Pb, Momentary         |
| 27   | 3290-321    | 2    | Screw-HWH                    |
| 28   | 3296-2      | 2    | Nut-Lock, NI                 |
| 29   | 32144-70    | 4    | Screw-HWHTF                  |
| 30   | 104-8300    | 2    | Nut-HF, NI                   |
| 31   | 131-8388    | 1    | Socket-USB                   |
| 32   | 3256-4      | 3    | Washer-Flat                  |
| 33   | 110-9380    | 3    | Screw-HWH                    |
| 34   | 132-7786    | 1    | Decal-Quickfind              |
| 35   | 114-5554    | 1    | Decal-Center, Info           |



## Brake Pedal Assembly

| Ref. | Part Number | Qty. | Description                             |
|------|-------------|------|-----------------------------------------|
| 1    | 3217-26     | 2    | Nut-Hex                                 |
| 2    | 3253-17     | 2    | Washer-Lock                             |
| 3    | 32105-13    | 2    | Screw-HWH                               |
| 6    | 119-9364    | 1    | Cable-Brake, LH                         |
| 7    | 3213-1      | 1    | Screw-HH                                |
| 8    | 92-0417     | 2    | Spring-EXT                              |
| 9    | 119-1415    | 4    | Pin-Cotter, Locking                     |
| 10   | 42719       | 1    | Pad-Pedal                               |
| 11   | 3256-23     | 2    | Washer-Plain                            |
| 12   | 93-6599-03  | 1    | Catch                                   |
| 13   | 93-6598-0P  | 1    | Brake Strap ASM. -<br>Emergency, Welded |
| 14   | 119-1416    | 1    | Pin-Cotter, Locking                     |
| 15   | 283-15      | 2    | Pin-Clevis                              |
| 16   | 93-6595     | 1    | Equalizer-Brake                         |
| 17   | 3256-29     | 5    | Washer-Flat                             |
| 18   | 323-7       | 1    | Screw-HH                                |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 19   | 104-8300    | 1    | Nut-HF, NI            |
| 20   | 7-3900      | 1    | Pad-Brake             |
| 21   | 100-8422-0P | 1    | Bracket-Pedal, Welded |
| 22   | 104-8301    | 1    | Nut-HF, NI            |
| 23   | 93-6592     | 1    | Bracket               |
| 24   | 3272-12     | 2    | Pin-Cotter            |
| 25   | 94-7164     | 2    | Bearing               |
| 26   | 93-6589     | 1    | Shaft-Brake           |
| 27   | 42195       | 1    | Pin-Clevis            |
| 28   | 522087      | 1    | Rod-End               |
| 29   | 119-9365    | 1    | Cable-Brake, RH       |
| 30   | 3234-17     | 1    | Screw-HHF             |
| 31   | 99-7407     | 1    | Switch                |
| 32   | 283-58      | 2    | Pin-Clevis            |
| 33   | 3256-26     | 1    | Washer-Flat           |
| 34   | 130-7176    | 1    | Sleeve-Thermal, Wrap  |

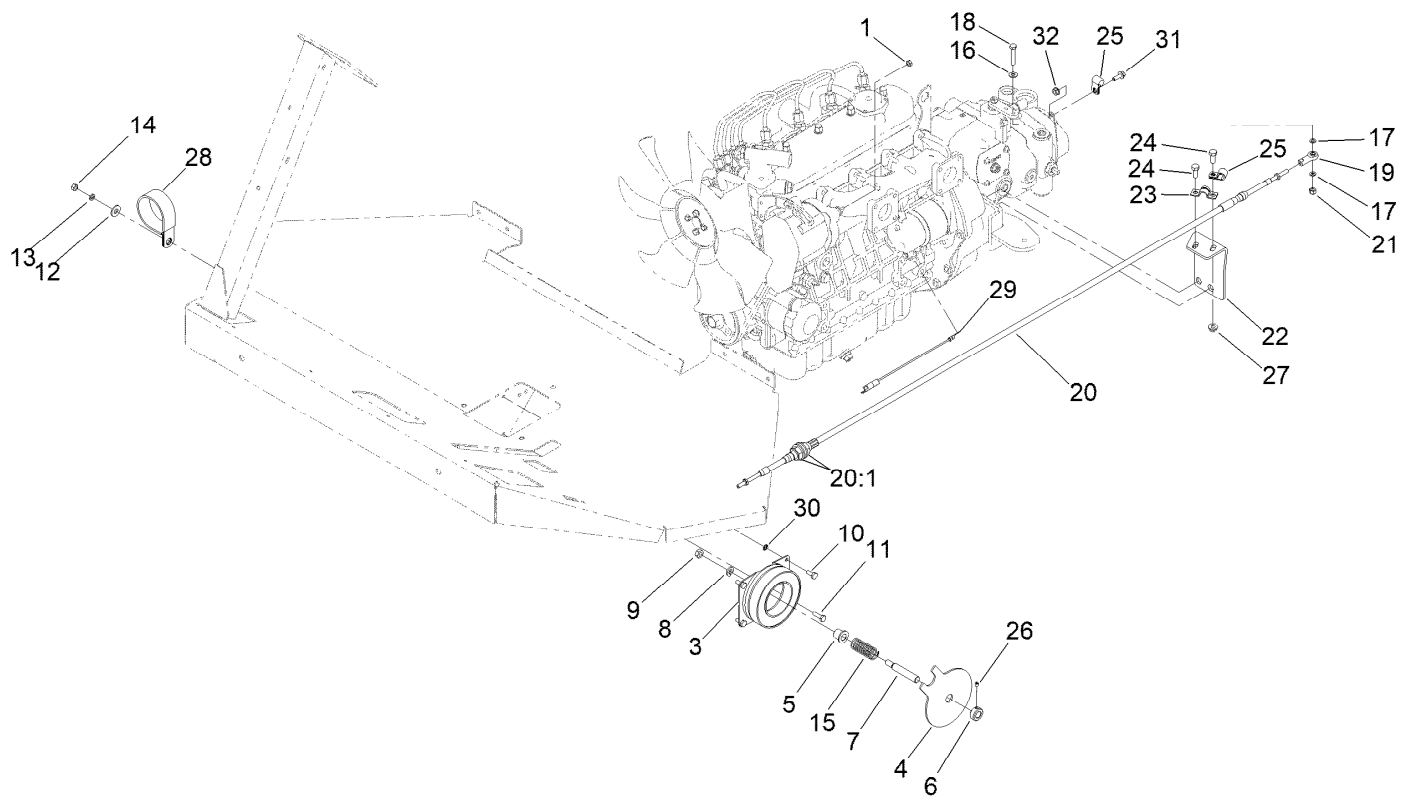


## Traction Pedal Assembly

| Ref.  | Part Number | Qty. | Description        |
|-------|-------------|------|--------------------|
| 1     | 92-0450     | 1    | Bracket Pin        |
| 2     | 92-0448     | 1    | Pin-Pivot          |
| 3     | 106-5247-03 | 1    | Traction Pedal ASM |
| 3:1   |             | 1    | Pedal-Traction ●   |
| 3:1:6 | 106-5248    | 1    | Spacer             |
| 4     | 71-0440     | 1    | Abrasive-Pedal     |
| 5     | 95-3857     | 1    | Screw-HSBH         |
| 6     | 80-7730     | 1    | Spacer             |
| 7     | 2411-36     | 1    | Bearing-End, Rod   |
| 8     | 92-7609     | 1    | Shaft-Spring       |
| 9     | 3220-3      | 1    | Nut-HJ             |
| 10    | 92-7608-03  | 1    | Bracket-Spring     |
| 11    | 3256-5      | 1    | Washer-Flat        |
| 12    | 92-7610     | 1    | Retainer-Spring    |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 13   | 32121-11    | 1    | Pin-Roll             |
| 14   | 3234-4      | 2    | Screw-HHF            |
| 15   | 104-7201    | 2    | Nut-HF, NI           |
| 16   | 321-9       | 1    | Screw-HH             |
| 17   | 33093-00    | 2    | Washer-Flat          |
| 18   | 2411-41     | 1    | Rod End-Ball Joint   |
| 19   | 3296-42     | 1    | Nut-Lock, NI         |
| 20   | 3272-7      | 2    | Pin-Cotter           |
| 21   | 104-8301    | 1    | Nut-HF, NI           |
| 22   | 71-0450     | 1    | Abrasive-Pedal, Rear |
| 23   | 3234-14     | 2    | Screw-HHF            |
| 24   | 256-156     | 2    | Bushing-Flange       |
| 25   | 84-9100     | 1    | Spring               |

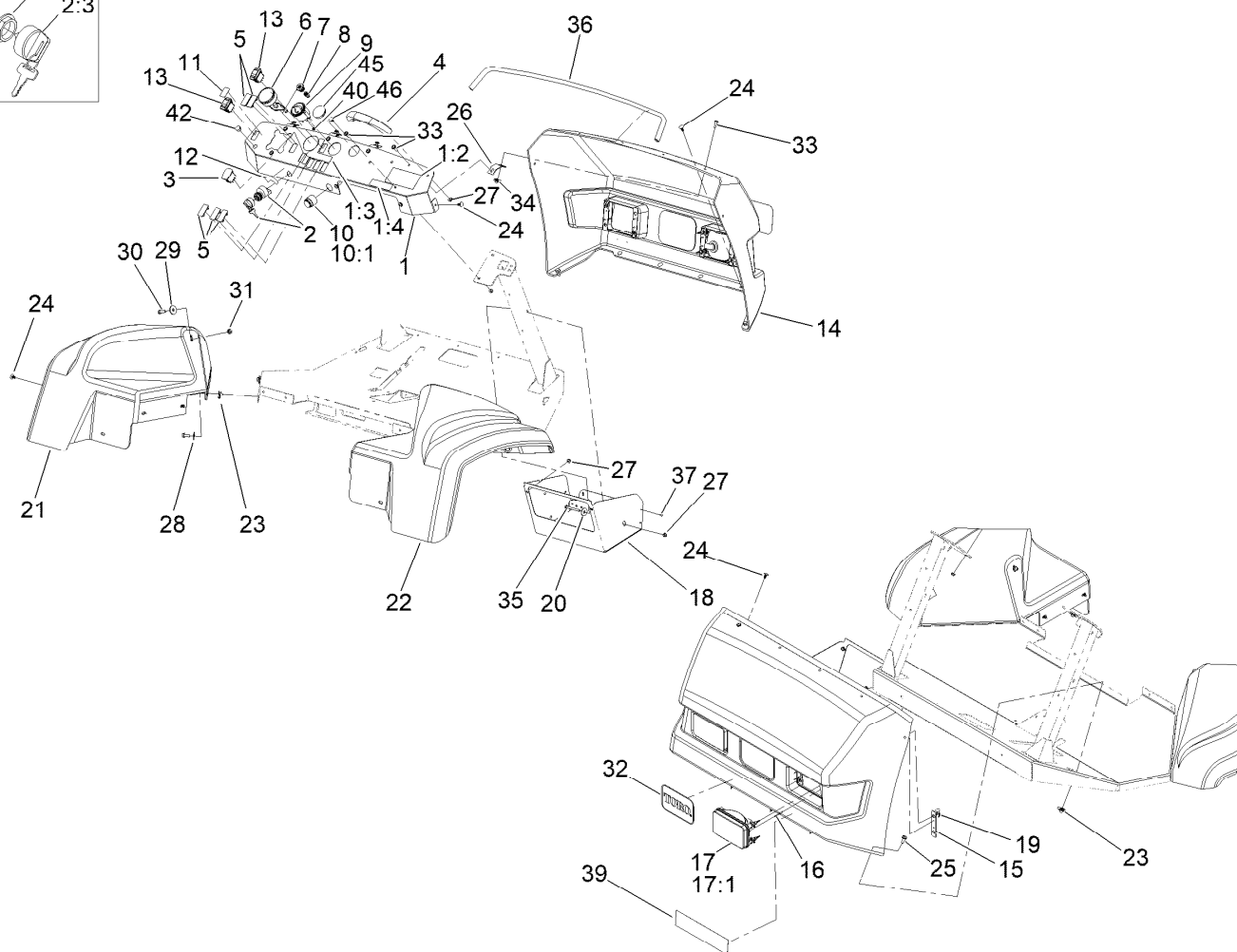
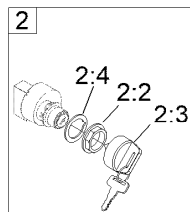
● Not serviced separately



## Throttle Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 33013-00    | 1    | Nut-Hex            |
| 3    | 42-1720     | 1    | Core-Field, Coil   |
| 4    | 144-6182    | 1    | Plate-Clutch       |
| 5    | 256-273     | 1    | Bushing-Flange     |
| 6    | 43-6320     | 1    | Collar             |
| 7    | 69-9170     | 1    | Shaft-Cruise       |
| 8    | 3253-5      | 1    | Washer-Lock        |
| 9    | 3217-7      | 1    | Nut-Hex            |
| 10   | 321-3       | 3    | Screw-HH           |
| 11   | 321-5       | 1    | Screw-HH           |
| 12   | 3256-3      | 1    | Washer-Flat        |
| 13   | 3253-3      | 4    | Washer-Lock        |
| 14   | 3217-5      | 4    | Nut-Hex            |
| 15   | 43-6200     | 1    | Spring-Compression |
| 16   | 3256-22     | 1    | Washer-Flat        |
| 17   | 33093-00    | 2    | Washer-Flat        |

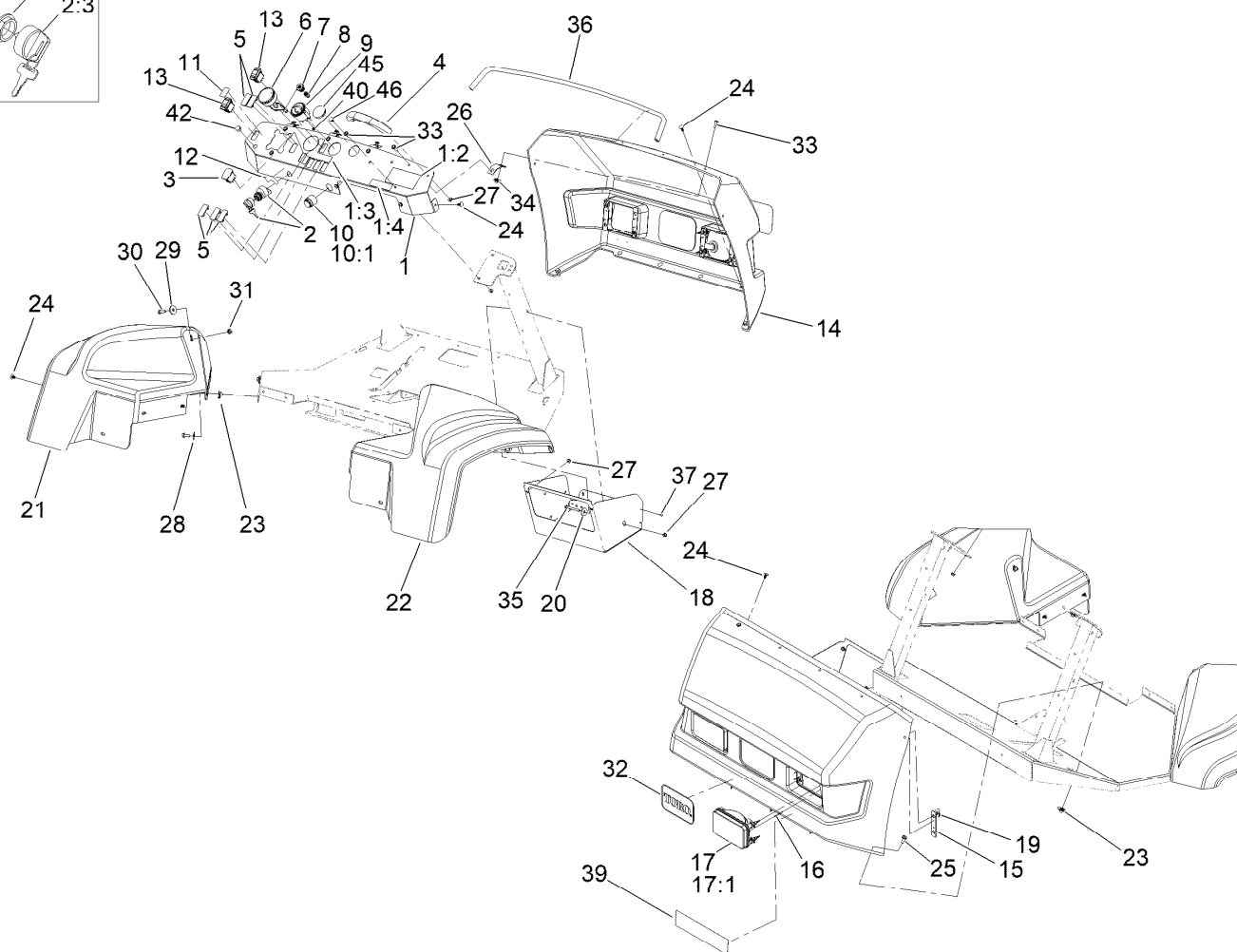
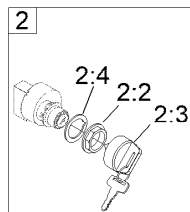
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 18   | 321-9       | 1    | Screw-HH                   |
| 19   | 2411-41     | 1    | Rod End-Ball Joint         |
| 20   | 106-5233    | 1    | Cable-Traction             |
| 20:1 | 3220-1      | 2    | Nut-Jam                    |
| 21   | 3296-42     | 1    | Nut-Lock, NI               |
| 22   | 119-9359    | 1    | Bracket-Cable, Rear        |
| 23   | 93-2092     | 1    | Clamp-Cable                |
| 24   | 322-3       | 2    | Screw-HH                   |
| 25   | 2412-93     | 2    | Clamp-R                    |
| 26   | 3245-32     | 1    | Screw-HSH                  |
| 27   | 32128-20    | 2    | Nut-HF                     |
| 28   | 2412-102    | 1    | Clamp-R                    |
| 29   | 108-9455    | 1    | Harness-Wire, Fusible Link |
| 30   | 3255-7      | 4    | Washer-Lock/EXT            |
| 31   | 3234-4      | 1    | Screw-HHF                  |
| 32   | 32128-33    | 1    | Nut-HF                     |



## Dash Panel Assembly

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    | 163-2925    | 1    | Dash Panel ASM               |
| 1:2  | 120-0624    | 1    | Decal-Warning, Passenger     |
| 1:3  | 132-7689    | 1    | Decal-Switch                 |
| 1:4  | 133-8062    | 1    | Decal-Spark Arrestor         |
| 2    | 106-5269    | 1    | Ignition Switch ASM          |
| 2:2  | 108-8660    | 1    | Nut-Mounting                 |
| 2:3  | 106-5270    | 1    | Ignition Key Set             |
| 2:4  | 108-8659    | 1    | Washer-Backup                |
| 3    | 100-1535    | 1    | Switch-Rocker, (On)-Off-(On) |
| 4    | 117-4948    | 1    | Handle-Grab                  |
| 5    | 99-7420     | 5    | Plug-Hole                    |
| 6    | 120-8546    | 1    | Gauge-Pressure               |
| 7    | 100-8665    | 1    | Reducer-Gauge, Pressure      |
| 8    | 100-8667    | 1    | Coupler-Reducer              |
| 9    | 132-7614    | 1    | Gauge-Fuel                   |
| 10   | 80-9330     | 1    | Audio Alarm ASM              |
| 10:1 | 104-5107    | 1    | Nut-Plastic, Knurled         |
| 11   | 132-7708    | 1    | Decal-Lights, Horn           |
| 12   | 132-7783    | 1    | Decal-Ignition Switch, Gas   |

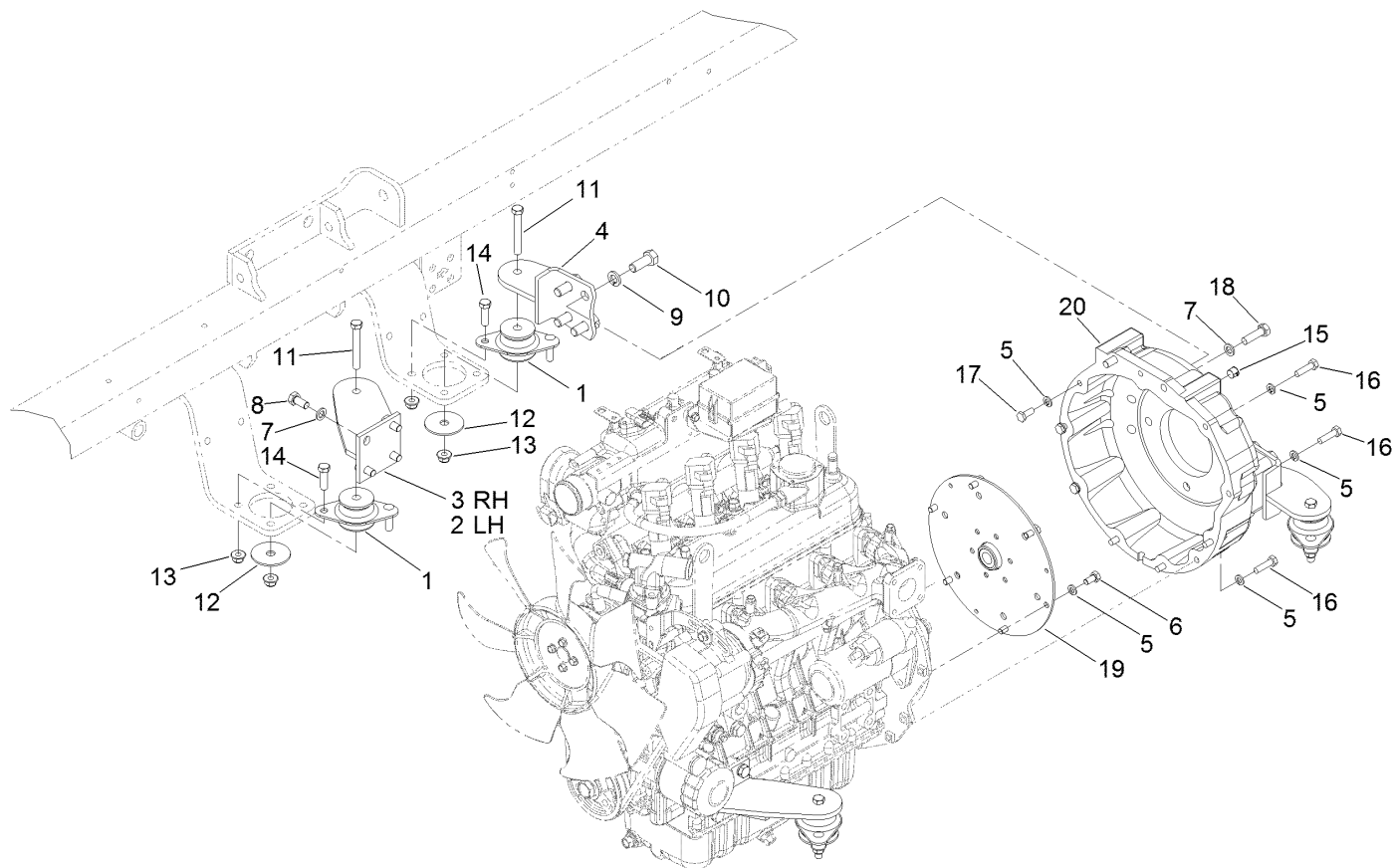
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 13   | 95-8999     | 2    | Switch-Rocker, On-None-On |
| 14   | 117-0793    | 1    | Hood                      |
| 15   | 117-5832    | 4    | Bracket-Headlight         |
| 16   | 3290-274    | 8    | Rivet-Pop                 |
| 17   | 132-6703    | 2    | Headlight ASM             |
| 17:1 | 115-2395    | 1    | Bulb-Light                |
| 18   | 136-0426-03 | 1    | Compartment-Storage       |
| 19   | 115-2408    | 6    | Clip-Speed                |
| 20   | 52-2860     | 2    | Washer                    |
| 21   | 119-0417    | 1    | Fender                    |
| 22   | 119-0418    | 1    | Fender                    |
| 23   | 94-2413     | 6    | Nut-U                     |
| 24   | 117-2382    | 10   | Plug-Plastic              |
| 25   | 3234-47     | 6    | Screw-HHF                 |
| 26   | 163-2927    | 4    | Bracket-Hood              |
| 27   | 104-7201    | 7    | Nut-HF, NI                |
| 28   | 3256-82     | 4    | Washer-Flat               |
| 29   | 63-8410     | 2    | Washer                    |
| 30   | 322-5       | 2    | Screw-HH                  |
| 31   | 32128-20    | 2    | Nut-HF                    |



## Dash Panel Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 32   | 62-5550     | 1    | Decal       |
| 33   | 110-9361    | 12   | Screw-PPH   |
| 34   | 107069      | 8    | Clip        |
| 35   | 321-15      | 1    | Screw-HH    |
| 36   | 119-0504    | 1    | Trim-Hood   |
| 37   | 3290-271    | 3    | Rivet-Pop   |

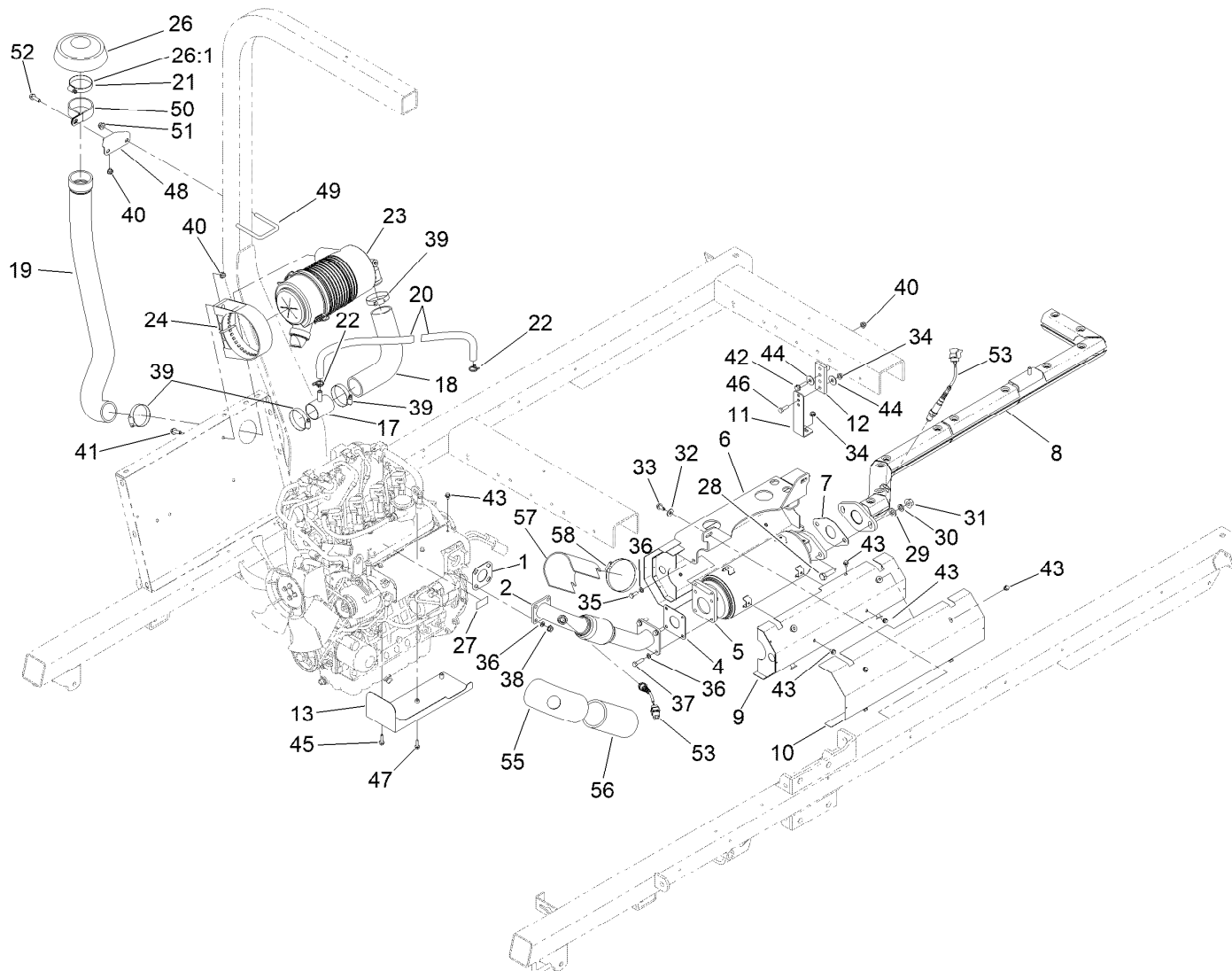
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 39   | 131-3309    | 1    | Decal           |
| 40   | 363-1483    | 3    | Nut-Hex, K Lock |
| 42   | 127-1843    | 1    | Plug-Dome       |
| 45   | 116-2253    | 1    | Plug-Dome       |
| 46   | 133-0875    | 4    | Rivet-Push      |



## Engine Mounting and Bell Housing

| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 1    | 131-1821    | 4    | Mount-Engine                    |
| 2    | 117-0667-0P | 1    | Bracket ASM-LH [primed]         |
| 3    | 117-0666-0P | 1    | Bracket ASM-RH [primed]         |
| 4    | 117-0669-0P | 2    | Bracket ASM-Rear Mount [primed] |
| 5    | 3253-4      | 15   | Washer-Lock                     |
| 6    | 139-9940    | 6    | Screw-HH,Patch                  |
| 7    | 48-9590     | 10   | Washer-Lock                     |
| 8    | 63-7790     | 8    | Screw-Cap                       |
| 9    | 3253-7      | 8    | Washer-Lock                     |
| 10   | 325-5       | 8    | Screw-HH                        |

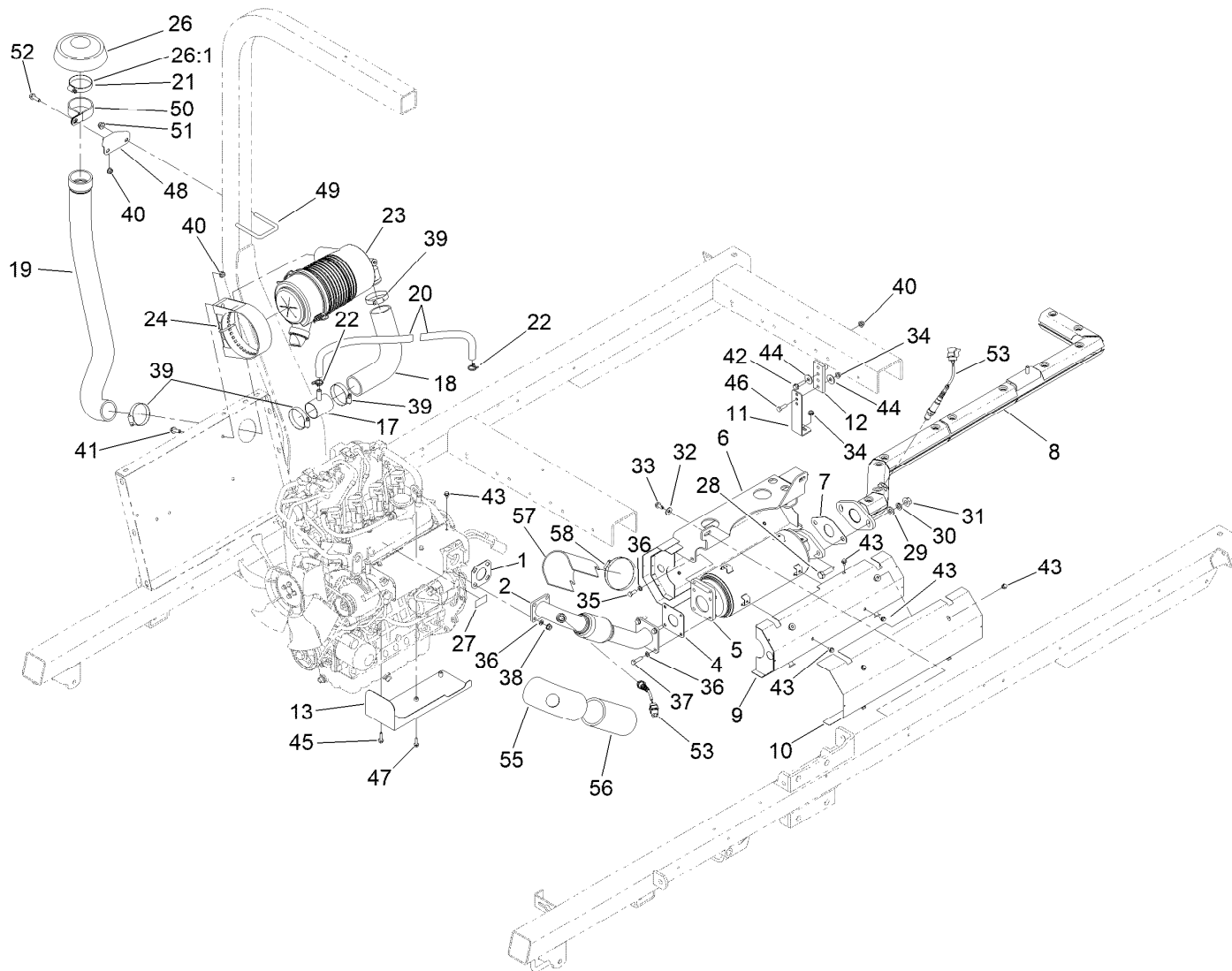
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 11   | 323-13      | 4    | Screw-HH         |
| 12   | 87-5100     | 4    | Washer-Snubbing  |
| 13   | 104-8301    | 12   | Nut-HF, NI       |
| 14   | 323-7       | 8    | Screw-HH         |
| 15   | 119-6039    | 2    | Plug-Plastic     |
| 16   | 33114-030   | 6    | Screw-HH         |
| 17   | 33114-020   | 3    | Screw-HH         |
| 18   | 56-2140     | 2    | Screw-HH         |
| 19   | 92-0285     | 1    | Coupling ASM     |
| 20   | 105-0100    | 1    | Housing-Flywheel |



## Muffler and Air Cleaner Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 125-9108    | 1    | Gasket-Muffler          |
| 2    | 131-5773    | 1    | Pipe-Header             |
| 4    | 121-5590    | 1    | Gasket-Manifold, Outlet |
| 5    | 133-2788    | 1    | Catalyst                |
| 6    | 127-8935    | 1    | Bracket-Mount, Exhaust  |
| 7    | 121-5591    | 1    | Gasket-Outlet, Catalyst |
| 8    | 130-7333    | 1    | Pipe-Tail               |
| 9    | 130-7228    | 2    | Shield-Muffler, Inner   |
| 10   | 130-7208    | 2    | Shield-Muffler, Outer   |
| 11   | 120-8557    | 1    | Bracket-Hanger          |
| 12   | 117-0744    | 1    | Hanger-Muffler          |
| 13   | 130-7206    | 1    | Shield-Manifold, Bottom |
| 17   | 120-5552    | 1    | Vent                    |
| 18   | 130-7098    | 1    | Hose-Intake             |
| 19   | 136-2267    | 1    | Hose-Air Cleaner        |
| 20   | 138-6269    | 2    | Hose-Overflow           |
| 21   | 2412-42     | 1    | Clamp-Hose              |
| 22   | 117-1193    | 2    | Clamp-Hose              |
| 23   | 106-5277    | 1    | Air Cleaner ASM         |
| 24   | 98-4525     | 1    | Bracket-Cleaner, Air    |
| 26   | 139-0686    | 1    | Rain Cap ASM            |

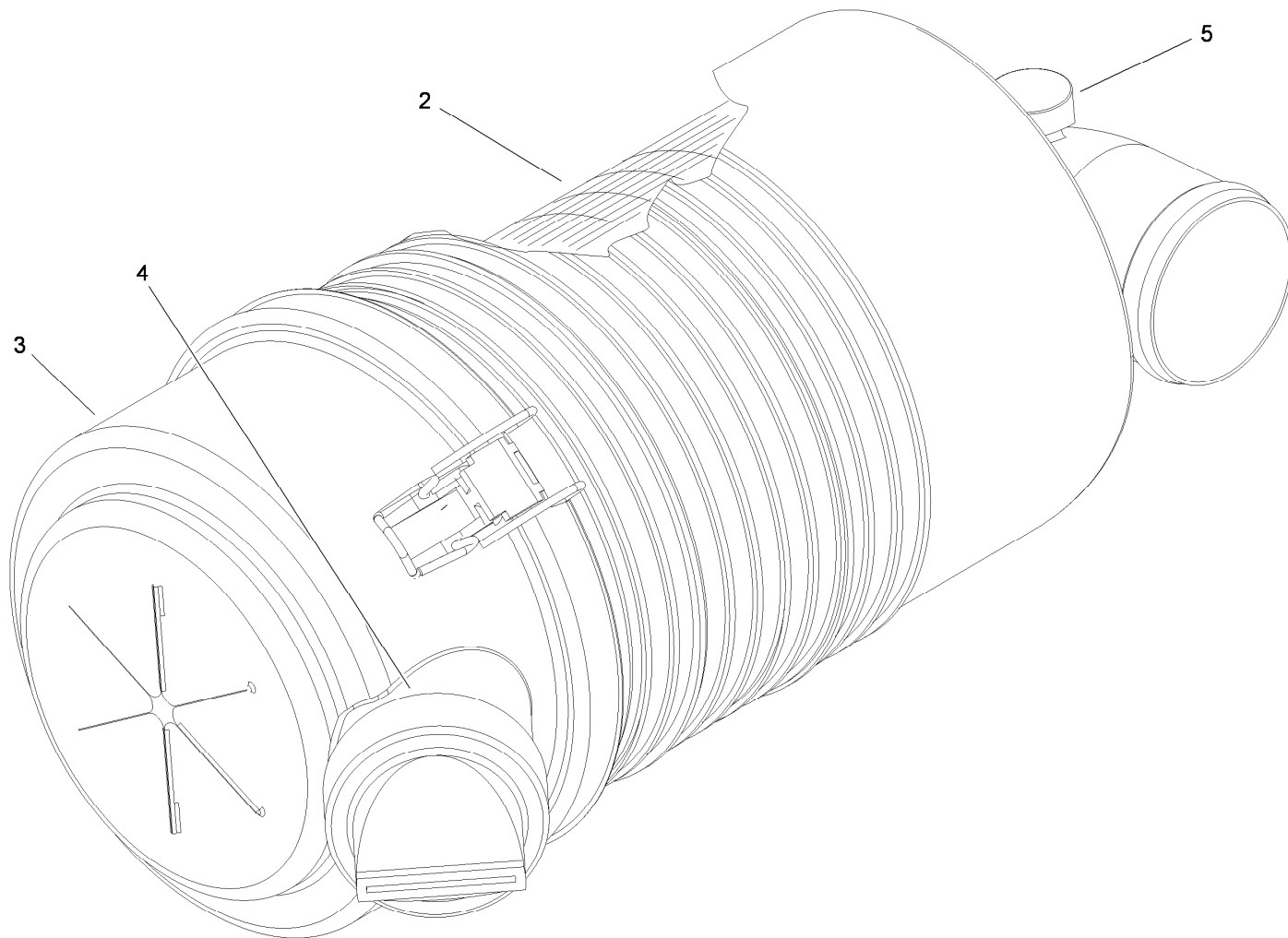
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 26:1 | 2412-130    | 1    | Clamp-Hose    |
| 27   | 106-5517    | 1    | Decal-Warning |
| 28   | 33116-040   | 2    | Screw-HH      |
| 29   | 33096-00    | 2    | Washer-Flat   |
| 30   | 48-8070     | 2    | Washer-Lock   |
| 31   | 33006-00    | 2    | Nut-HF        |
| 32   | 3256-3      | 2    | Washer-Flat   |
| 33   | 32104-32    | 2    | Screw-HWH     |
| 34   | 32128-25    | 2    | Nut-HF        |
| 35   | 33114-020   | 4    | Screw-HH      |
| 36   | 3253-4      | 12   | Washer-Lock   |
| 37   | 33114-030   | 4    | Screw-HH      |
| 38   | 33004-00    | 8    | Nut-HF        |
| 39   | 2412-130    | 4    | Clamp-Hose    |
| 40   | 104-8300    | 5    | Nut-HF, NI    |
| 41   | 3234-17     | 2    | Screw-HHF     |
| 42   | 119-4036    | 1    | Screw-HHF     |
| 43   | 81-1280     | 16   | Screw-HHF     |
| 44   | 52-2860     | 2    | Washer        |
| 45   | 33103-025   | 2    | Screw-HHF     |
| 46   | 322-5       | 1    | Screw-HH      |



## Muffler and Air Cleaner Assembly (continued)

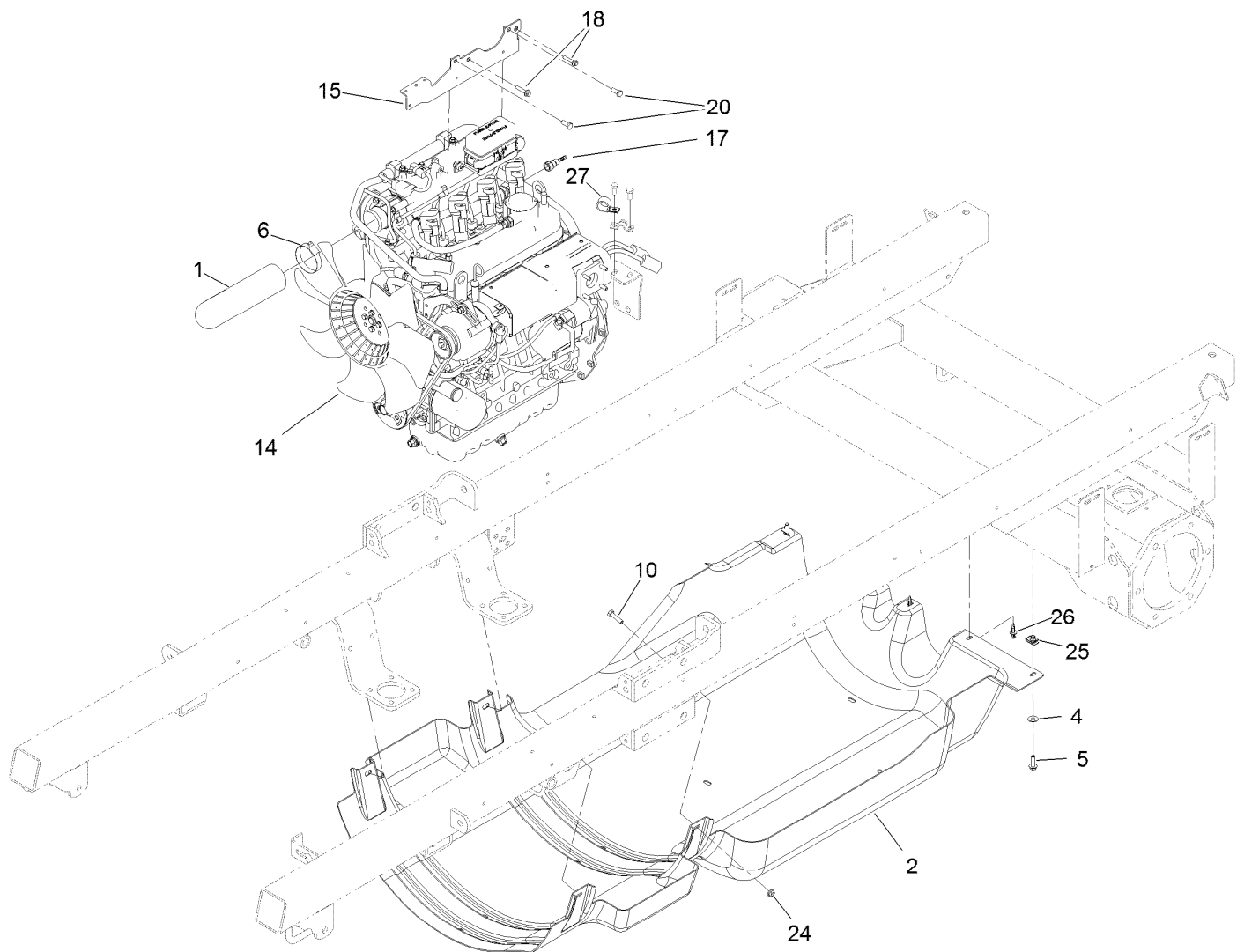
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 47   | 110-3986    | 1    | Screw                     |
| 48   | 131-3319-03 | 1    | Bracket-Mount, Air Intake |
| 49   | 47-3460     | 1    | U-Bolt                    |
| 50   | 2412-102    | 1    | Clamp-R                   |
| 51   | 104-8301    | 2    | Nut-HF, NI                |
| 52   | 3234-29     | 1    | Screw-HHF                 |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 53   | 120-3832    | 2    | Sensor-Oxygen        |
| 55   | 131-9600    | 1    | Jacket-Upper, Header |
| 56   | 131-9601    | 1    | Jacket-Lower, Header |
| 57   | 131-9598    | 1    | Shield-Composite     |
| 58   | 2412-110    | 1    | Clamp-Band/Screw     |



## Air Cleaner Assembly No. 106-5277

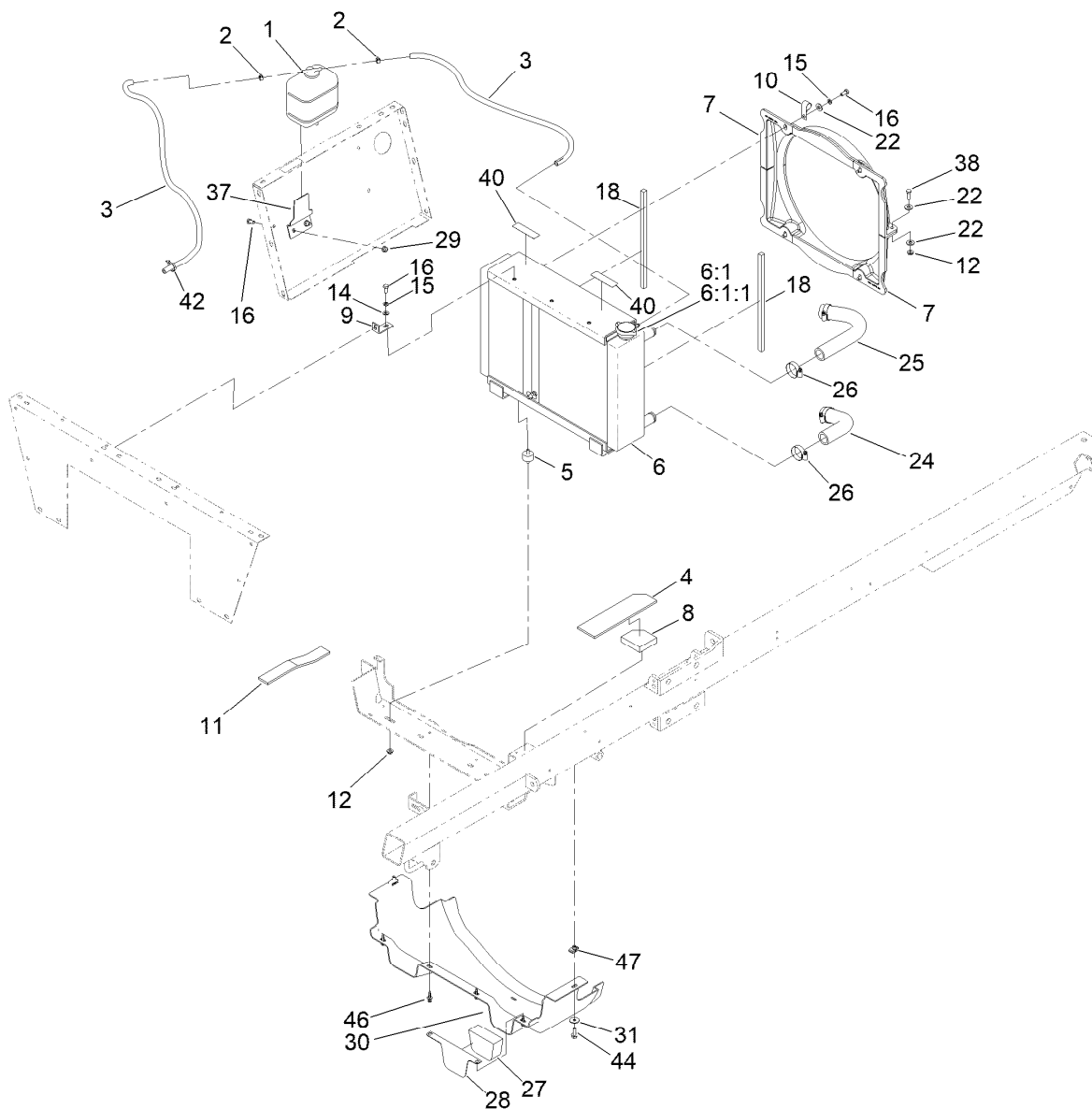
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 2           | 108-3810           | 1           | Filter-Air         |
| 3           | 98-9771            | 1           | Cover ASM          |
| 4           | 87-9400            | 1           | Valve-Vacuator     |
| 5           | 285-17             | 1           | Plug-Pipe          |



## Engine and Shroud Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 120-3841    | 1    | Hose-Cleaner, Air     |
| 2    | 130-7177    | 1    | Shroud-Undercarriage  |
| 4    | 3256-3      | 2    | Washer-Flat           |
| 5    | 3234-29     | 2    | Screw-HHF             |
| 6    | 2412-130    | 1    | Clamp-Hose            |
| 10   | 322-6       | 1    | Screw-HH              |
| 14   | 138-9622    | 1    | Engine-Kubota, Wg1605 |
| 15   | 145-3386-03 | 1    | Mount-Fuse Box        |
| 17   | 125-2921    | 1    | Fitting-Fuel          |
| 18   | 139-2619    | 4    | Nut-HF                |
| 20   | 33114-020   | 2    | Screw-HH              |
| 24   | 32128-20    | 1    | Nut-HF                |
| 25   | 94-2413     | 2    | Nut-U                 |
| 26   | 125-9622    | 3    | Rivet-Blind           |
| 27   | 110-0824    | 1    | R-Clamp               |

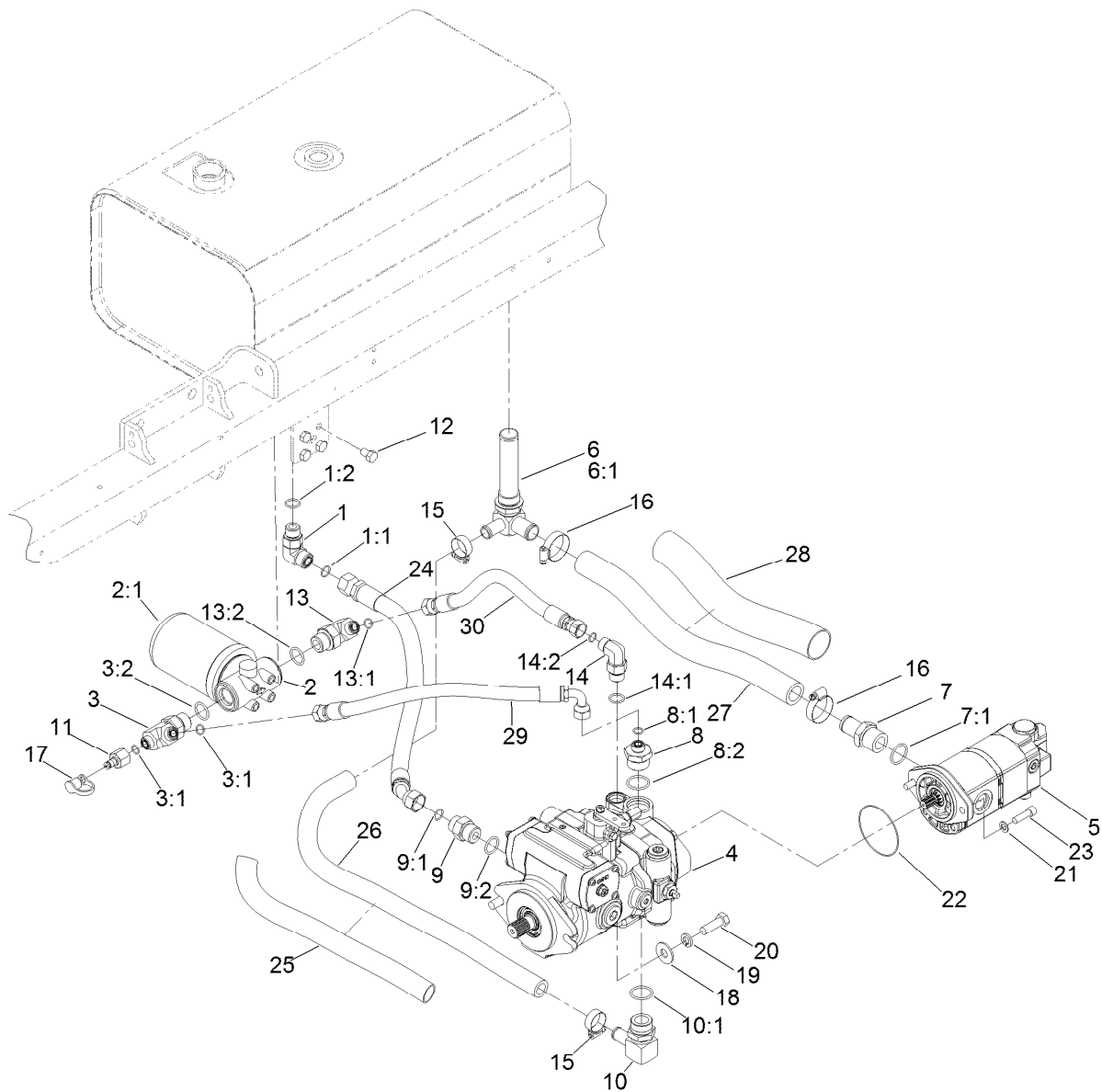




## Radiator Assembly

| Ref.  | Part Number | Qty. | Description                    |
|-------|-------------|------|--------------------------------|
| 1     | 108-0638    | 1    | Bottle-Overflow                |
| 2     | 92-2379     | 3    | Clamp-Hose                     |
| 3     | 109-0309    | 2    | Hose-Fuel                      |
| 4     | 144-6167    | 1    | Baffle-Foam, Radiator Upper    |
| 5     | 62-5480     | 2    | Isolater-Seat                  |
| 6     | 140-7344    | 1    | Radiator/Oil Cooler ASM        |
| 6:1   | 117-5138    | 1    | Cap-Radiator                   |
| 6:1:1 | 117-3276    | 1    | Decal-Danger                   |
| 7     | 131-5779    | 2    | Shroud-Fan                     |
| 8     | 144-6166    | 1    | Baffle-Foam, Radiator Lower    |
| 9     | 140-7352    | 2    | Bracket-Radiator               |
| 10    | 2412-150    | 1    | Clip-J                         |
| 11    | 144-6169    | 1    | Baffle-Foam, Radiator Upper LH |
| 12    | 32128-20    | 4    | Nut-HF                         |
| 14    | 3256-23     | 2    | Washer-Plain                   |
| 15    | 3253-4      | 6    | Washer-Lock                    |

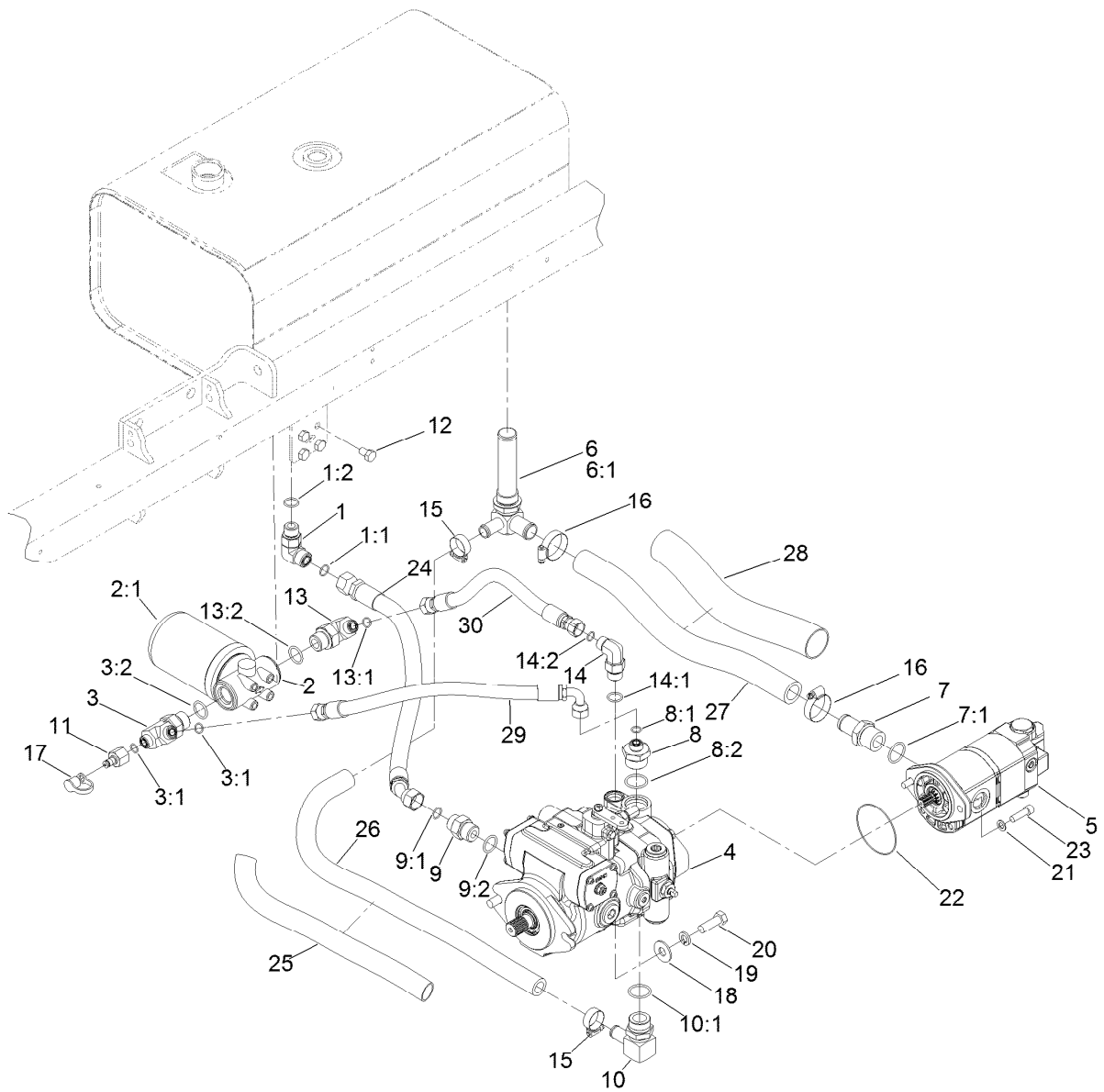
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 16   | 322-3       | 4    | Screw-HH                  |
| 18   | 144-6189    | 2    | Strip-Foam, Radiator Side |
| 22   | 3256-56     | 8    | Washer-Flat               |
| 24   | 119-4992    | 1    | Hose-Radiator             |
| 25   | 106-5239    | 1    | Hose-Radiator, Upper      |
| 26   | 2412-111    | 4    | Clamp-Hose, W/Liner       |
| 27   | 144-6165    | 1    | Baffle-Foam, Heat Shield  |
| 28   | 144-6164-0P | 1    | Plate-Baffle              |
| 29   | 104-8300    | 2    | Nut-HF, NI                |
| 30   | 119-9393    | 1    | Shield-Front Heat, Engine |
| 31   | 3256-82     | 2    | Washer-Flat               |
| 37   | 130-7102-0P | 1    | Bracket-Reservoir         |
| 38   | 322-5       | 2    | Screw-HH                  |
| 40   | 120-0627    | 2    | Decal-Warning             |
| 42   | 3290-378    | 1    | Tie-Cable                 |
| 44   | 3234-29     | 2    | Screw-HHF                 |
| 46   | 125-9622    | 4    | Rivet-Blind               |
| 47   | 115-7721    | 2    | Nut-Clip, U               |



## Hydraulic Pump and Filter Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 340-17      | 1    | Fitting-Elbow, 90 DEG |
| 1:1  | 237-65      | 1    | O-Ring                |
| 1:2  | 237-80      | 1    | O-Ring                |
| 2    | 93-2242     | 1    | Oil Filter ASM        |
| 2:1  | 75-1310     | 1    | Filter-HYD            |
| 3    | 117-0676    | 1    | Fitting-Tee           |
| 3:1  | 237-30      | 2    | O-Ring                |
| 3:2  | 237-81      | 1    | O-Ring                |
| 4    | 117-0685    | 1    | Piston Pump ASM       |
| 5    | 138-6193    | 1    | Pump-Tandem           |
| 6    | 117-0684    | 1    | Strainer-Tee          |
| 6:1  | 237-146     | 1    | O-Ring                |
| 7    | 354-78      | 1    | Fitting-STR           |
| 7:1  | 237-146     | 1    | O-Ring                |
| 8    | 104-9178    | 1    | Fitting-STR           |
| 8:1  | 237-30      | 1    | O-Ring                |
| 8:2  | 237-146     | 1    | O-Ring                |
| 9    | 340-8       | 1    | Fitting-Straight      |
| 9:1  | 237-65      | 1    | O-Ring                |
| 9:2  | 237-81      | 1    | O-Ring                |
| 10   | 98-0971     | 1    | Fitting-Elbow, 90     |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10:1 | 237-117     | 1    | O-Ring                |
| 11   | 100-5616    | 1    | Fitting               |
| 12   | 33115-016   | 4    | Screw-HH              |
| 13   | 340-131     | 1    | Fitting-HYD, 90 DEG   |
| 13:1 | 237-30      | 1    | O-Ring                |
| 13:2 | 237-81      | 1    | O-Ring                |
| 14   | 340-105     | 1    | Fitting-Elbow, 90 DEG |
| 14:1 | 237-80      | 1    | O-Ring                |
| 14:2 | 237-30      | 1    | O-Ring                |
| 15   | 2412-129    | 2    | Clamp-Hose            |
| 16   | 2412-111    | 2    | Clamp-Hose, W/Liner   |
| 17   | 354-79      | 1    | Cap-Dust              |
| 18   | 3256-6      | 2    | Washer-Flat           |
| 19   | 3253-7      | 2    | Washer-Lock           |
| 20   | 325-6       | 2    | Screw-HH              |
| 21   | 60-3540     | 2    | Washer                |
| 22   | 60-3520     | 1    | O-Ring                |
| 23   | 3274-1      | 2    | Screw-HSH             |
| 24   | 112-2561    | 1    | Hose-HYD              |
| 25   | 94-3688     | 1    | Sleeve-Protective     |
| 26   | 119-5045    | 1    | Hose-Suction          |

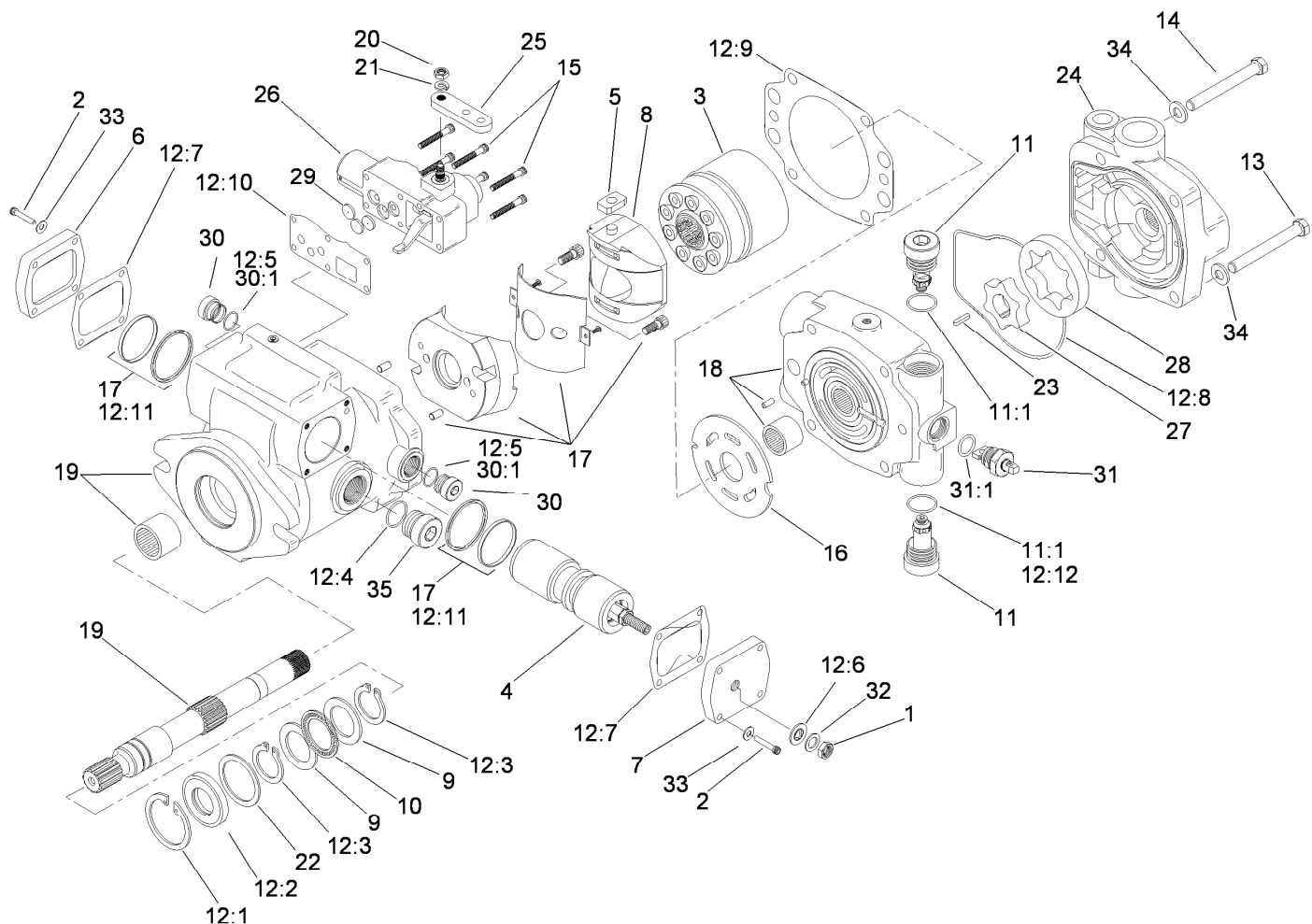


## Hydraulic Pump and Filter Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 27   | 117-0681    | 1    | Hose ASM    |
| 28   | 107-3589    | 1    | Sleeve-Hose |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 29   | 117-0686    | 1    | Hose-HYD    |
| 30   | 117-0729    | 1    | Hose ASM    |





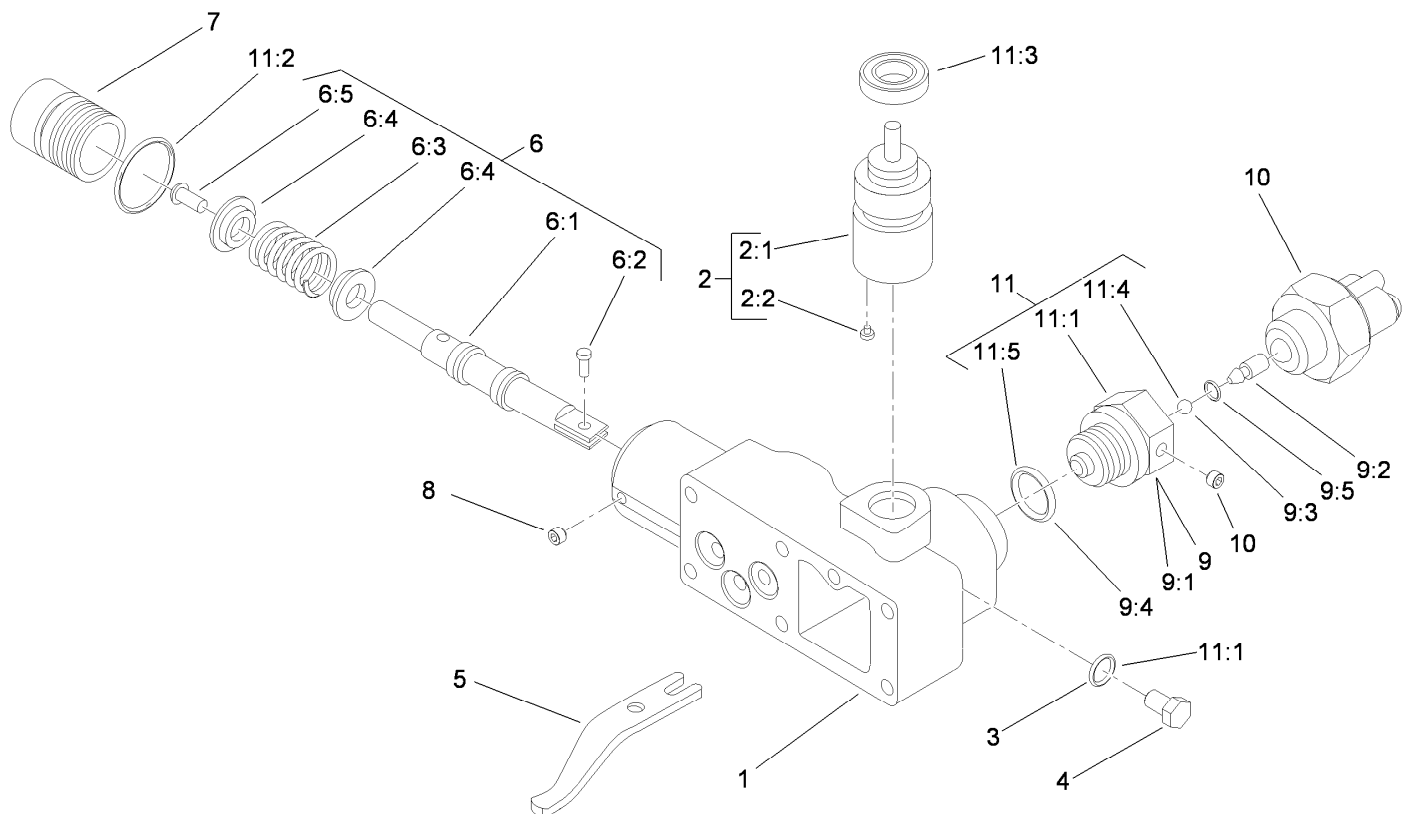
## Piston Pump Assembly No. 117-0685 (continued)

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 24   | 95-2110     | 1    | Adaptor                    |
| 25   | 105-2862    | 1    | Arm-Control                |
| 26   | 115-4446    | 1    | Control-Servo, Manual      |
| 27   | 93-6365     | 1    | Geroter-Inner              |
| 28   | 93-6364     | 1    | Geroter-Outer              |
| 29   | 94-3041     | 3    | Orifice-Control (.028 DIA) |
| 30   | 74-9280     | 2    | Plug ASM                   |

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 30:1 |             | 1    | O-Ring ■     |
| 31   | 105-2913    | 1    | Valve-Bypass |
| 31:1 |             | 1    | O-Ring ■     |
| 32   | 94-3030     | 1    | Washer       |
| 33   | 93-6336     | 8    | Washer       |
| 34   | 3256-24     | 4    | Washer-Plain |
| 35   |             | 1    | Plug ASM ■   |

● Not illustrated

■ Not serviced separately

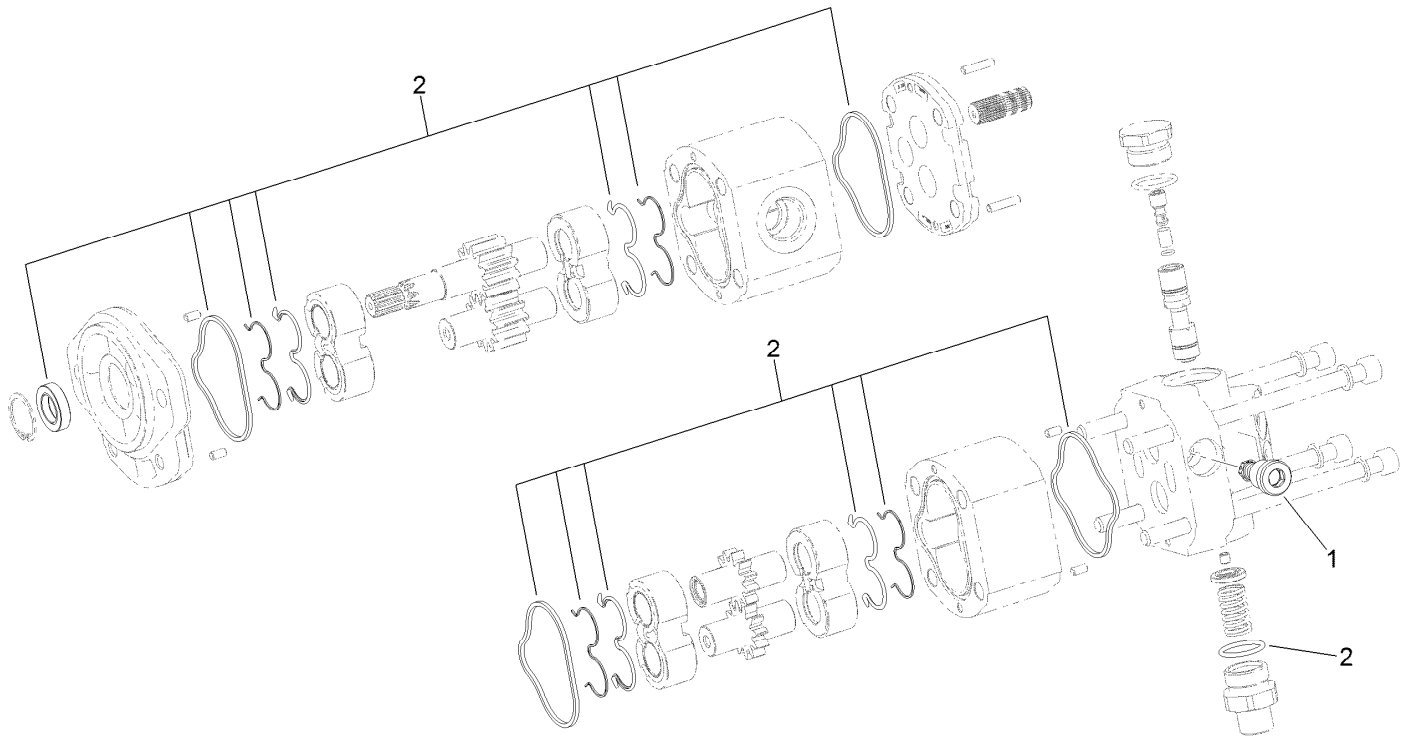


## Control Assembly No. 115-4446

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

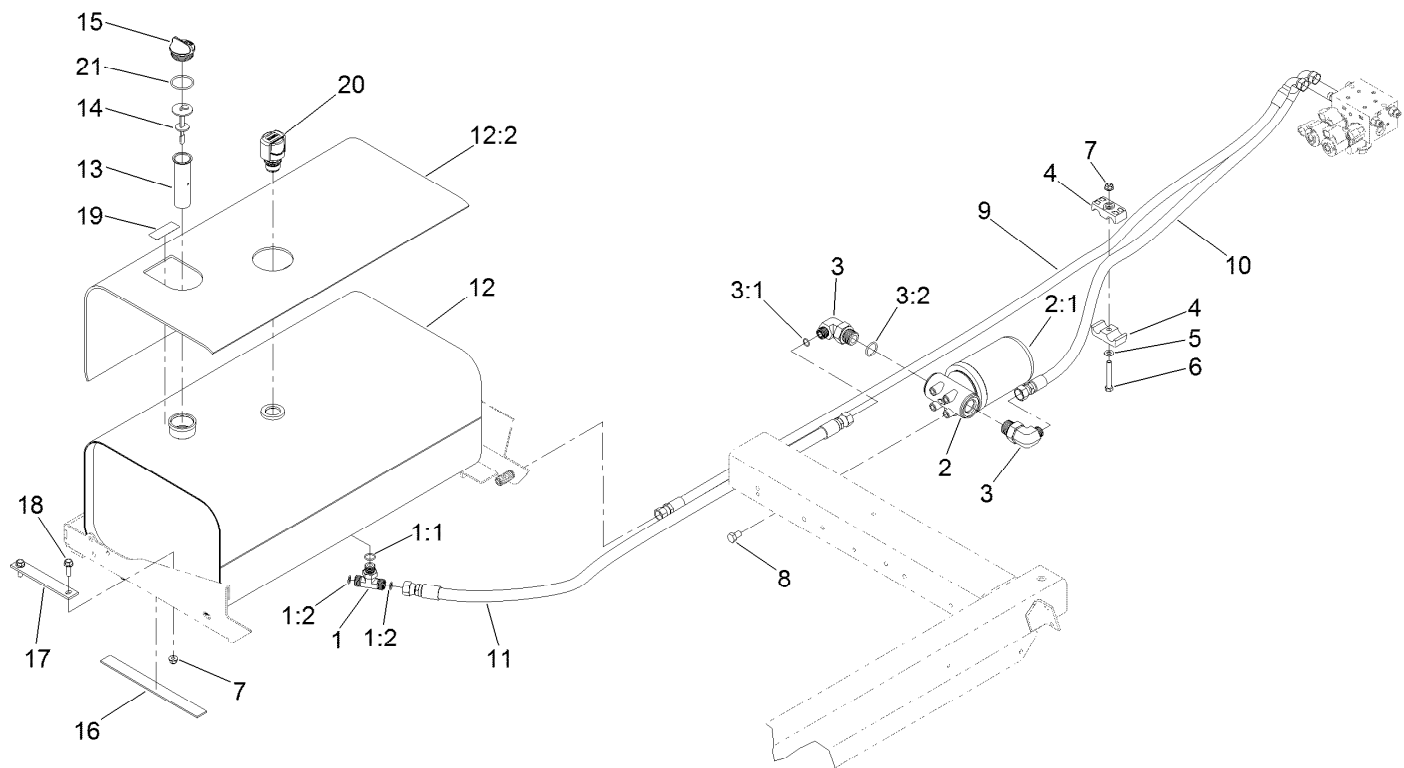
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 8    |             | 2    | Screw-Set ●                |
| 9    | 108-8003    | 1    | Adaptor ASM                |
| 9:1  |             | 1    | Adaptor-Lockout, Neutral ● |
| 9:2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

● Not serviced separately



## Tandem Pump Assembly No. 138-6193

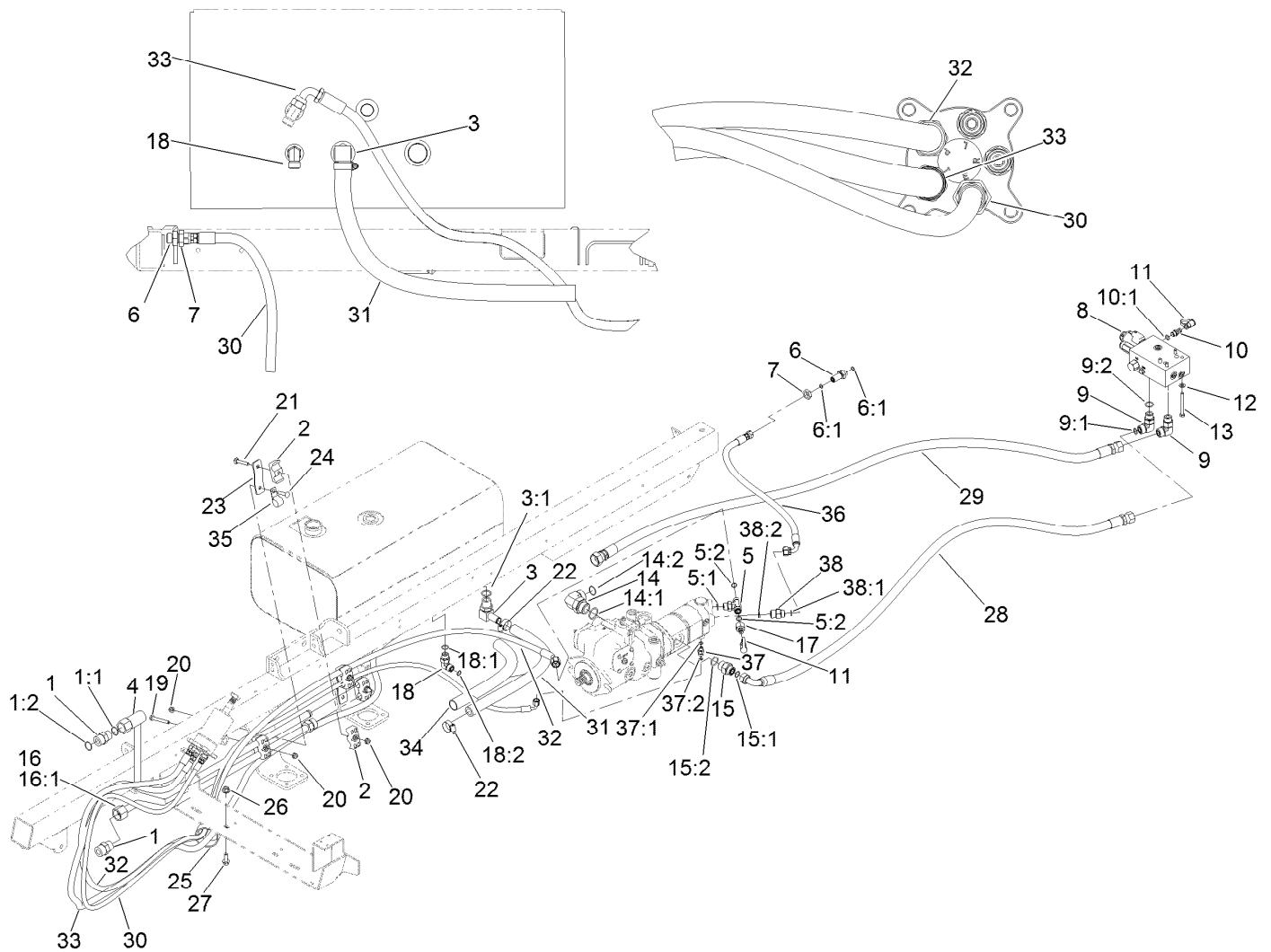
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 138-6257           | 1           | Valve-Relief       |
| 2           | 138-6258           | 1           | Seal Kit           |



## Hydraulic Tank Assembly

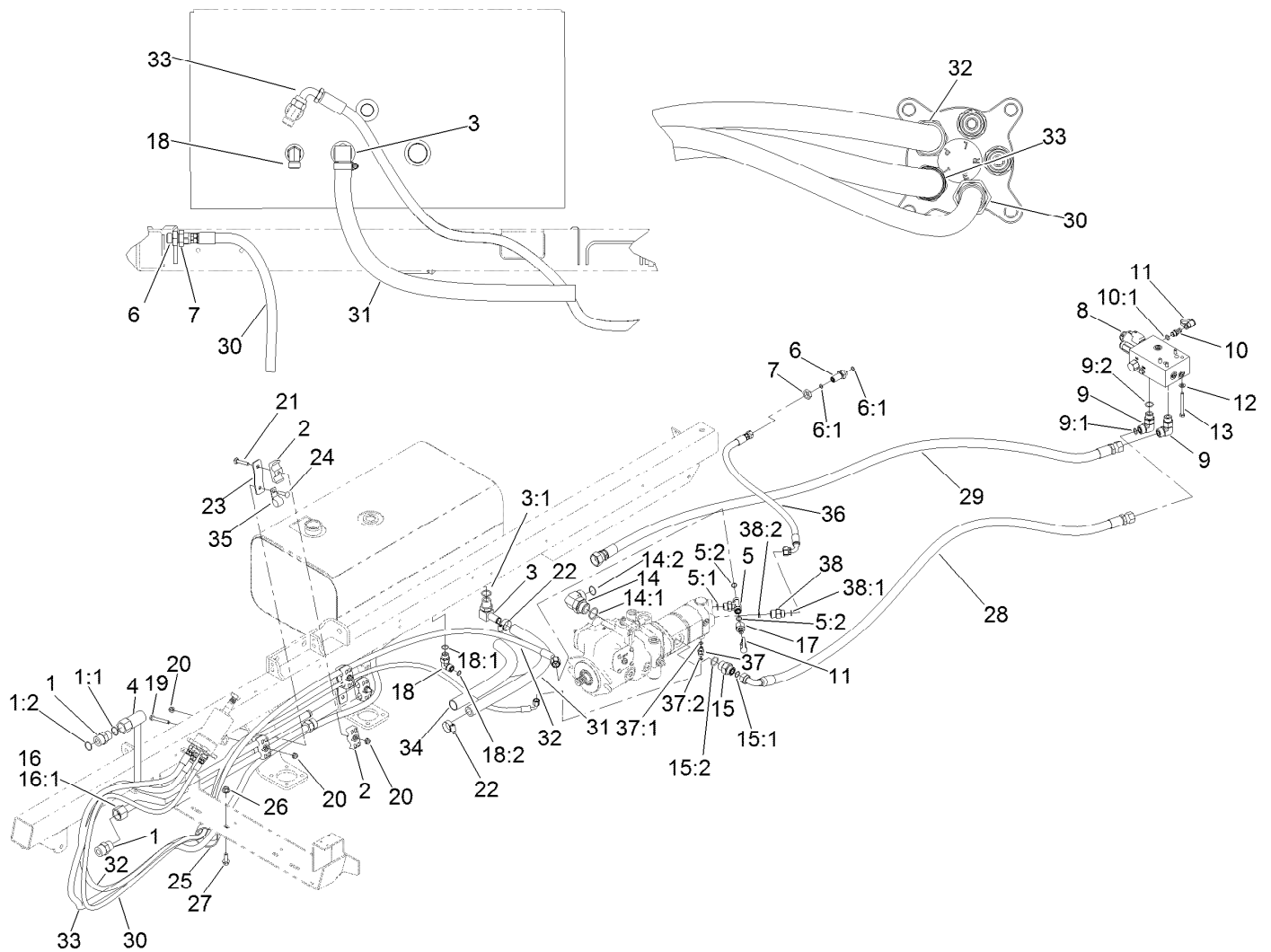
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 340-157     | 1    | Fitting-HYD, Tee    |
| 1:1  | 237-79      | 1    | O-Ring              |
| 1:2  | 237-30      | 2    | O-Ring              |
| 2    | 93-2242     | 1    | Oil Filter ASM      |
| 2:1  | 75-1310     | 1    | Filter-HYD          |
| 3    | 340-131     | 2    | Fitting-HYD, 90 DEG |
| 3:1  | 237-30      | 1    | O-Ring              |
| 3:2  | 237-81      | 1    | O-Ring              |
| 4    | 94-8105     | 2    | Clamp-Tube          |
| 5    | 3256-23     | 1    | Washer-Plain        |
| 6    | 322-11      | 1    | Screw-HH            |
| 7    | 104-8300    | 5    | Nut-HF, NI          |
| 8    | 33115-016   | 4    | Screw-HH            |
| 9    | 119-0588    | 1    | HYD Hose ASM        |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 119-0587    | 1    | HYD Hose ASM          |
| 11   | 106-3672    | 1    | HYD Hose ASM          |
| 12   | 131-5799    | 1    | Hydraulic Tank ASM    |
| 12:2 | 131-5787    | 1    | Cover-Tank, Hydraulic |
| 13   | 92-1705     | 1    | Filter-Screen         |
| 14   | 105-2812    | 1    | Dipstick              |
| 15   | 93-7498     | 1    | Plug-Plastic          |
| 16   | 41995       | 2    | Strip-Armflex         |
| 17   | 94-7068     | 2    | Strap                 |
| 18   | 3234-17     | 4    | Screw-HHF             |
| 19   | 93-6686     | 1    | Decal-Oil, HYD        |
| 20   | 115-9793    | 1    | Breather              |
| 21   | 237-101     | 1    | O-Ring                |



## Hydraulic Tube and Hose Assembly

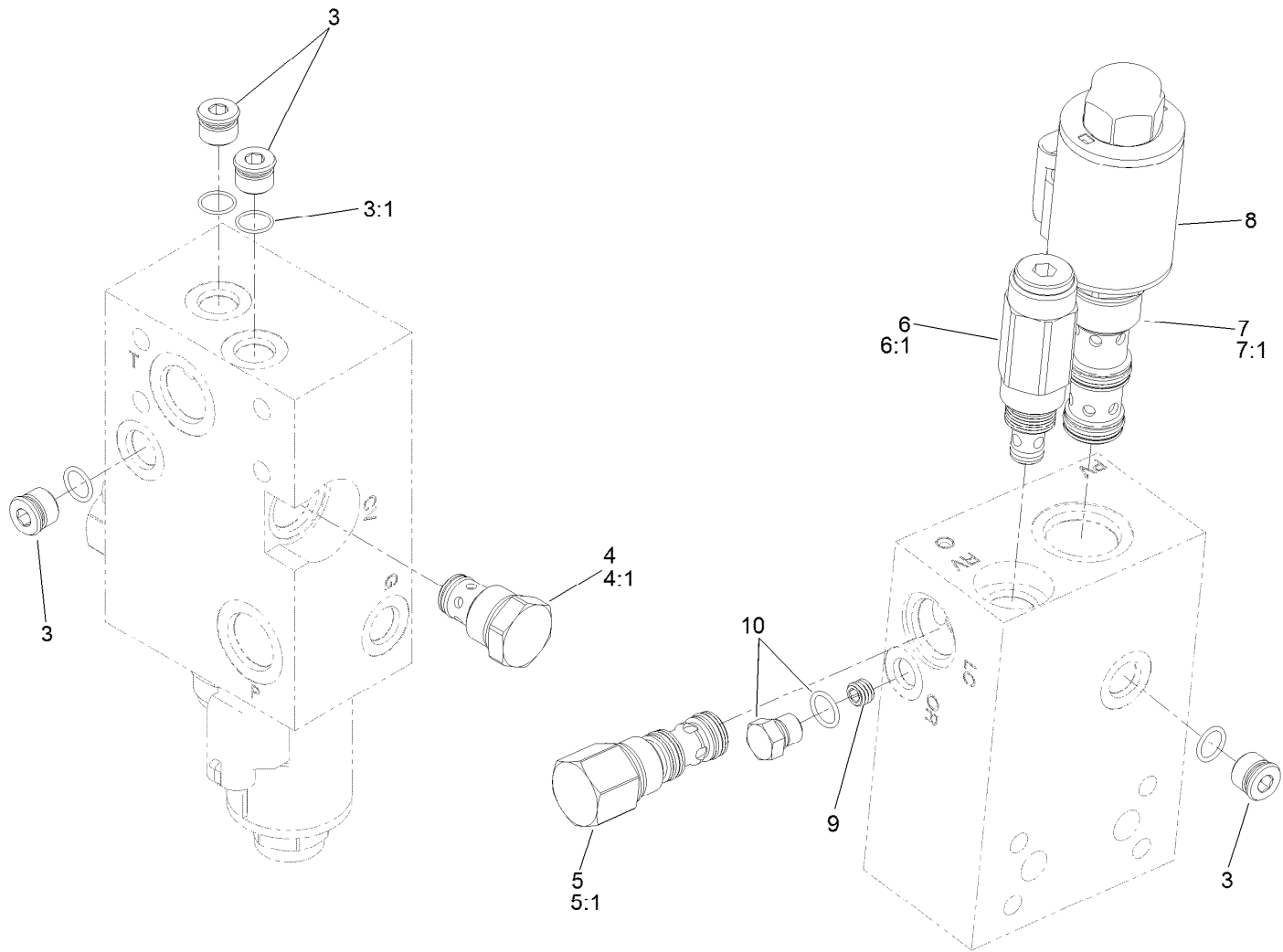
| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|----------------------------|------|-------------|------|--------------------------|
| 1    | 340-9       | 2    | Fitting-STR                | 13   | 322-14      | 4    | Screw-HH                 |
| 1:1  | 237-58      | 1    | O-Ring                     | 14   | 340-129     | 2    | Fitting-Elbow, 90 DEG    |
| 1:2  | 237-81      | 1    | O-Ring                     | 14:1 | 237-146     | 1    | O-Ring                   |
| 2    | 94-8105     | 8    | Clamp-Tube                 | 14:2 | 340-65      | 1    | O-Ring                   |
| 3    | 353-987     | 1    | Fitting-Elbow, 90          | 15   | 340-8       | 1    | Fitting-Straight         |
| 3:1  | 237-81      | 1    | O-Ring                     | 15:1 | 237-65      | 1    | O-Ring                   |
| 4    | 140-7356    | 1    | HYD Tube ASM               | 15:2 | 237-81      | 1    | O-Ring                   |
| 5    | 340-157     | 1    | Fitting-HYD, Tee           | 16   | 140-7345    | 1    | HYD Tube, ASM            |
| 5:1  | 237-79      | 1    | O-Ring                     | 16:1 | 237-58      | 1    | O-Ring                   |
| 5:2  | 237-30      | 2    | O-Ring                     | 17   | 100-5616    | 1    | Fitting                  |
| 6    | 340-71      | 1    | Fitting-Straight, Bulkhead | 18   | 340-98      | 1    | Fitting-Elbow, 90 DEG    |
| 6:1  | 237-22      | 2    | O-Ring                     | 18:1 | 237-79      | 1    | O-Ring                   |
| 7    | 340-70      | 1    | Nut-Lock                   | 18:2 | 237-30      | 1    | O-Ring                   |
| 8    | 117-0708    | 1    | Pump Control Valve ASM     | 19   | 322-13      | 2    | Screw-HH                 |
| 9    | 340-17      | 2    | Fitting-Elbow, 90 DEG      | 20   | 104-8300    | 6    | Nut-HF, NI               |
| 9:1  | 237-65      | 1    | O-Ring                     | 21   | 3230-6      | 2    | Bolt-CARR                |
| 9:2  | 237-80      | 1    | O-Ring                     | 22   | 2412-129    | 2    | Clamp-Hose               |
| 10   | 59-7410     | 1    | Fitting-Diagnostic         | 23   | 117-0689    | 2    | Plate-Mount, Tube Clamps |
| 10:1 | 237-42      | 1    | O-Ring                     | 24   | 33-5790     | 1    | Screw-CARR               |
| 11   | 354-79      | 2    | Cap-Dust                   | 25   | 2412-102    | 1    | Clamp-R                  |
| 12   | 3256-23     | 4    | Washer-Plain               | 26   | 32128-43    | 1    | Nut-Flange               |



## Hydraulic Tube and Hose Assembly (continued)

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 27   | 3234-11     | 1    | Screw-HHF         |
| 28   | 117-0680    | 1    | Hose ASM          |
| 29   | 117-0682    | 1    | Hose ASM          |
| 30   | 138-6265    | 1    | Hose ASM          |
| 31   | 119-5045    | 1    | Hose-Suction      |
| 32   | 138-6266    | 1    | Hose-ASM          |
| 33   | 125-5853    | 1    | HYD-Hose          |
| 34   | 94-3688     | 1    | Sleeve-Protective |

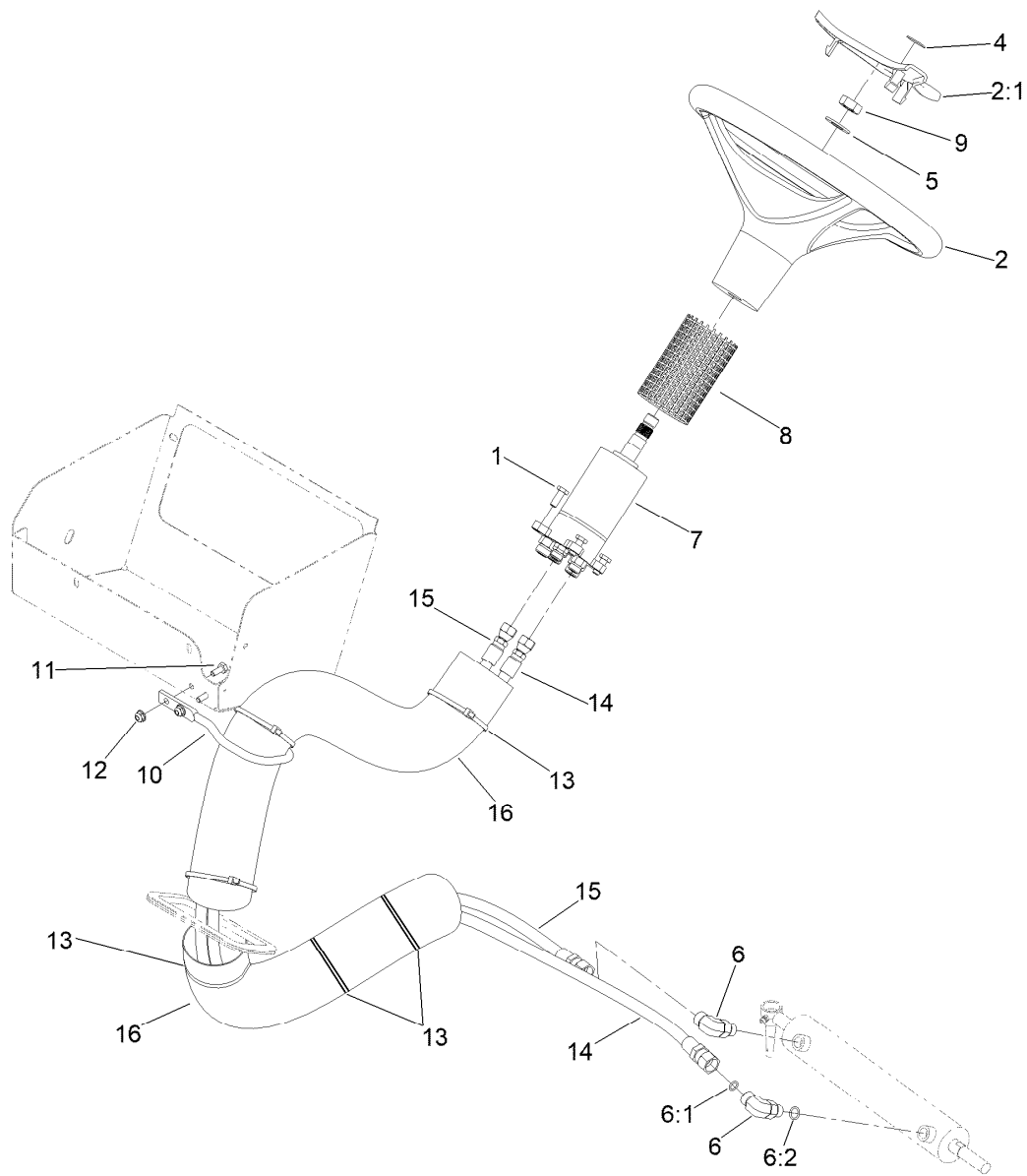
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 35   | 2412-150    | 1    | Clip-J           |
| 36   | 138-6196    | 1    | Hose ASM         |
| 37   | 340-92      | 1    | Fitting-Straight |
| 37:1 | 237-78      | 1    | O-Ring           |
| 37:2 | 237-21      | 1    | O-Ring           |
| 38   | 340-6       | 1    | Fitting-Straight |
| 38:1 | 237-30      | 1    | O-Ring           |
| 38:2 | 237-80      | 1    | O-Ring           |



## Pump Control Valve Assembly No. 117-0708

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 3    | 353-512     | 4    | Plug                 |
| 3:1  | 237-78      | 1    | O-Ring               |
| 4    | 110-8881    | 1    | Valve-Check          |
| 4:1  | 105-9159    | 1    | Seal Kit ●           |
| 5    | 120-1660    | 1    | Compensator-Pressure |
| 5:1  | 107-7813    | 1    | Seal Kit ●           |
| 6    | 117-8312    | 1    | Valve-Relief         |
| 6:1  | 105-9156    | 1    | Seal Kit             |
| 7    | 120-2590    | 1    | Valve-Flow Control   |
| 7:1  | 114-5515    | 1    | Seal Kit             |
| 8    | 120-2589    | 1    | Coil-12Vdc           |
| 9    | 107-1987    | 1    | Orifice-0.040        |
| 10   | 117-0115    | 1    | Plug                 |

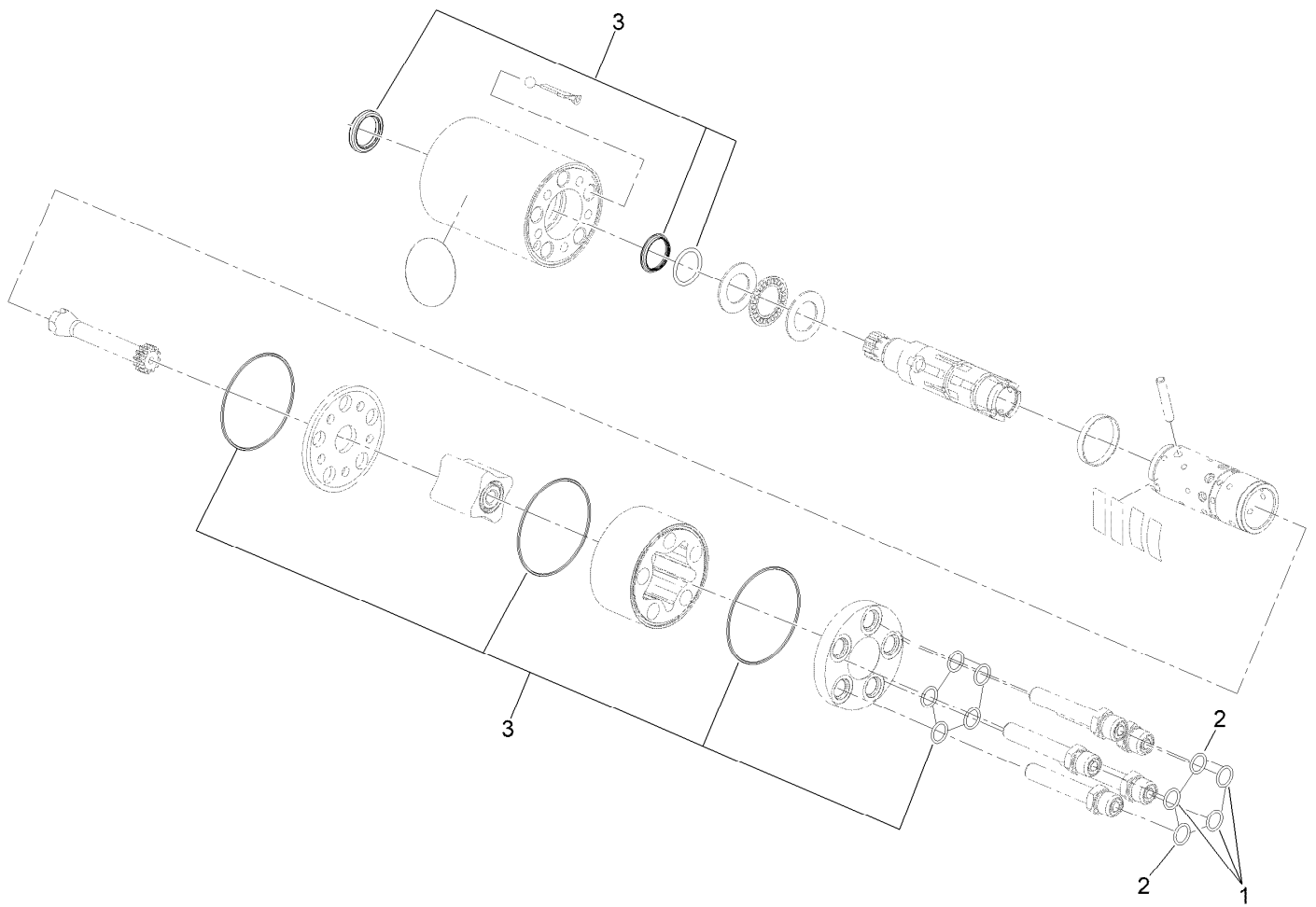
● Not illustrated



## Steering Hydraulic Assembly

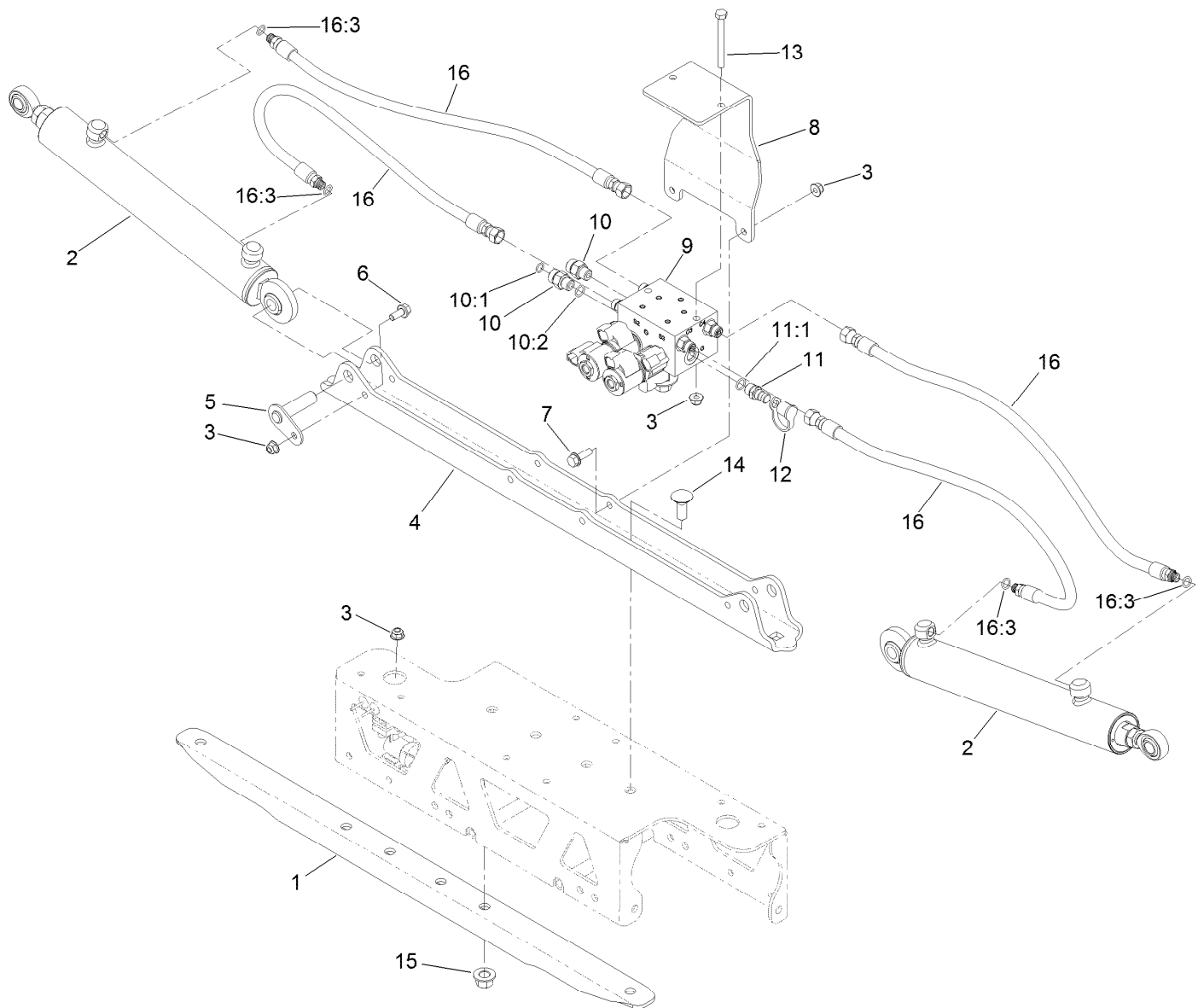
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 33114-020   | 4    | Screw-HH              |
| 2    | 98-1471     | 1    | Wheel-Steering        |
| 2:1  | 98-1468     | 1    | Cover-Wheel, Steering |
| 4    | 98-1459     | 1    | Decal                 |
| 5    | 3256-27     | 1    | Washer-Flat           |
| 6    | 340-77      | 2    | Fitting-Elbow, 90 DEG |
| 6:1  | 237-22      | 1    | O-Ring                |
| 6:2  | 237-42      | 1    | O-Ring                |
| 7    | 137-7509    | 1    | Valve-Steering        |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 8    | 130-8296    | 1    | Sleeve-Steering Cover |
| 9    | 3296-33     | 1    | Nut-Lock, NI          |
| 10   | 119-4853    | 1    | Guide-Hose            |
| 11   | 321-3       | 2    | Screw-HH              |
| 12   | 104-7201    | 2    | Nut-HF, NI            |
| 13   | 3290-379    | 7    | Tie-Cable             |
| 14   | 117-0717    | 1    | Hose ASM              |
| 15   | 117-0688    | 1    | Hose ASM              |
| 16   | 106-6713    | 2    | Cover-Lines, Steering |



## Steering Valve Assembly No. 137-7509

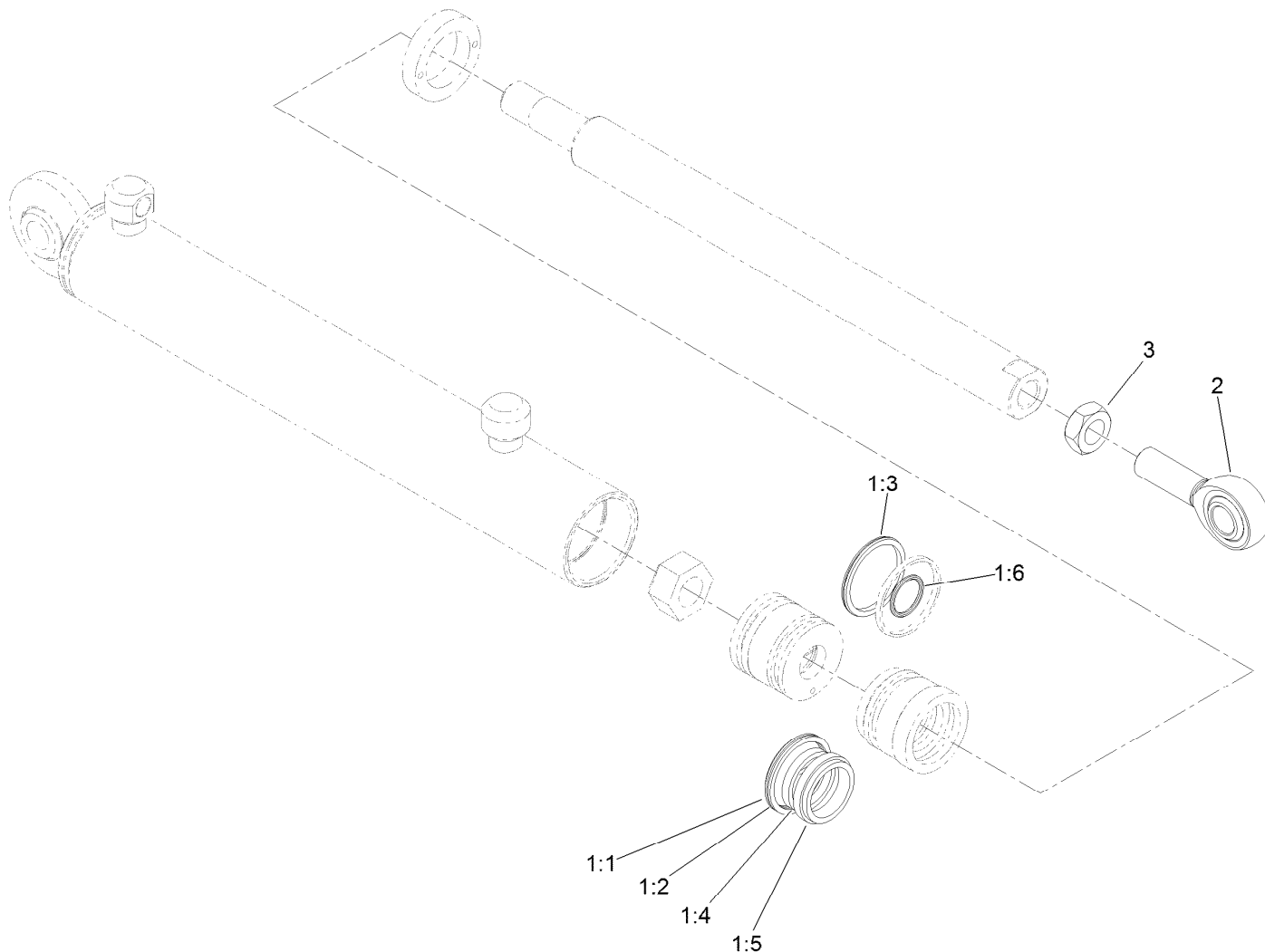
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 237-21      | 3    | O-Ring      |
| 2    | 237-22      | 2    | O-Ring      |
| 3    | 106-6716    | 1    | Seal Kit    |



## Boom Lift Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 131-0285-03 | 1    | Stiffener-Channel          |
| 2    | 117-0701    | 2    | Hydraulic Cylinder ASM     |
| 3    | 104-8300    | 7    | Nut-HF, NI                 |
| 4    | 131-0275-03 | 1    | Plate-Mount                |
| 5    | 112-7884    | 2    | Pin-Pivot                  |
| 6    | 110-5053    | 2    | Screw-HHF                  |
| 7    | 3234-29     | 2    | Screw-HHF                  |
| 8    | 130-8201-03 | 1    | Mount-Valve                |
| 9    | 136-2400    | 1    | On-Off Boom Lift Valve ASM |
| 10   | 340-2       | 2    | Fitting-Straight           |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10:1 | 237-22      | 1    | O-Ring             |
| 10:2 | 237-42      | 1    | O-Ring             |
| 11   | 59-7410     | 1    | Fitting-Diagnostic |
| 11:1 | 237-42      | 1    | O-Ring             |
| 12   | 354-79      | 1    | Cap-Dust           |
| 13   | 322-14      | 2    | Screw-HH           |
| 14   | 110-5067    | 4    | Screw-CARR         |
| 15   | 99-5107     | 4    | Nut-HF Nylock      |
| 16   | 131-0276    | 4    | Hose ASM           |
| 16:3 | 237-78      | 1    | O-Ring             |

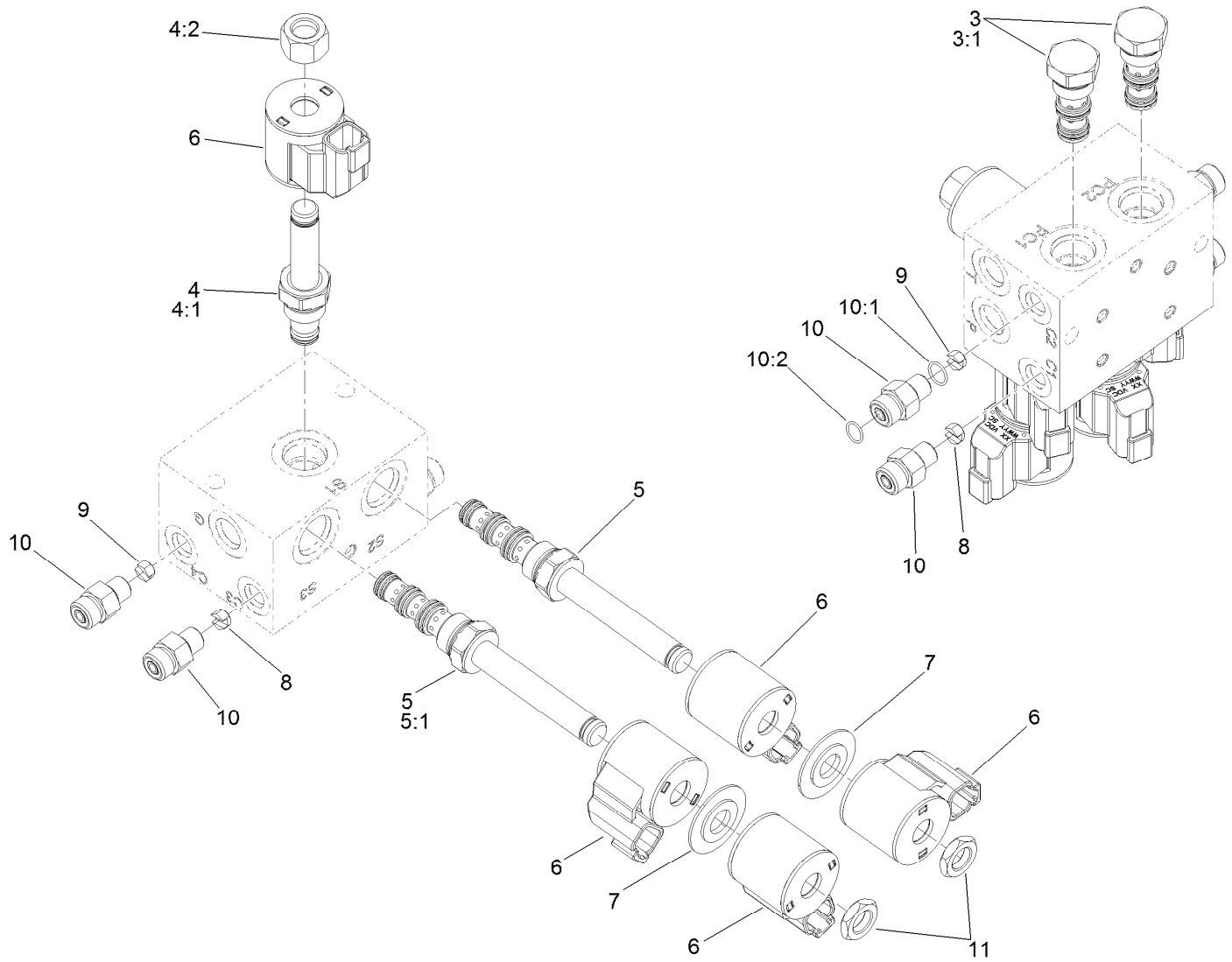


## Hydraulic Cylinder Assembly No. 117-0701

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 1    | 119-8026    | 1    | Seal Kit ●    |
| 1:1  |             | 1    | O-Ring ■      |
| 1:2  |             | 1    | Ring-Backup ■ |
| 1:3  |             | 1    | Bp Seal ■     |
| 1:4  |             | 1    | Bs Seal ■     |
| 1:5  |             | 1    | Dust Seal ■   |
| 1:6  |             | 1    | O-Ring ■      |
| 2    | 119-8027    | 1    | Rod End       |
| 3    | 3220-6      | 1    | Nut-Jam       |

● Not illustrated

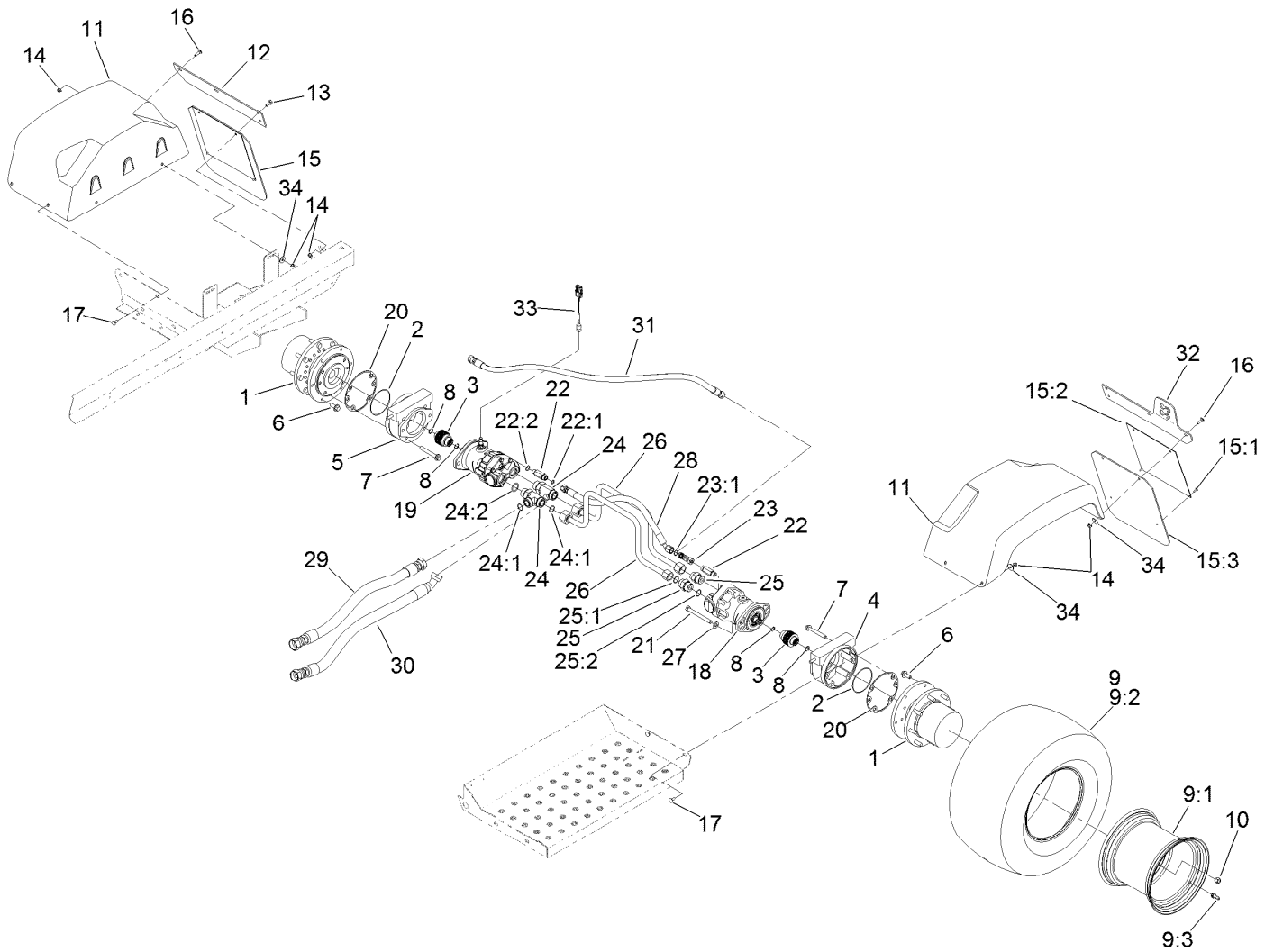
■ Not serviced separately



## On-Off Boom Lift Valve Assembly No. 136-2400

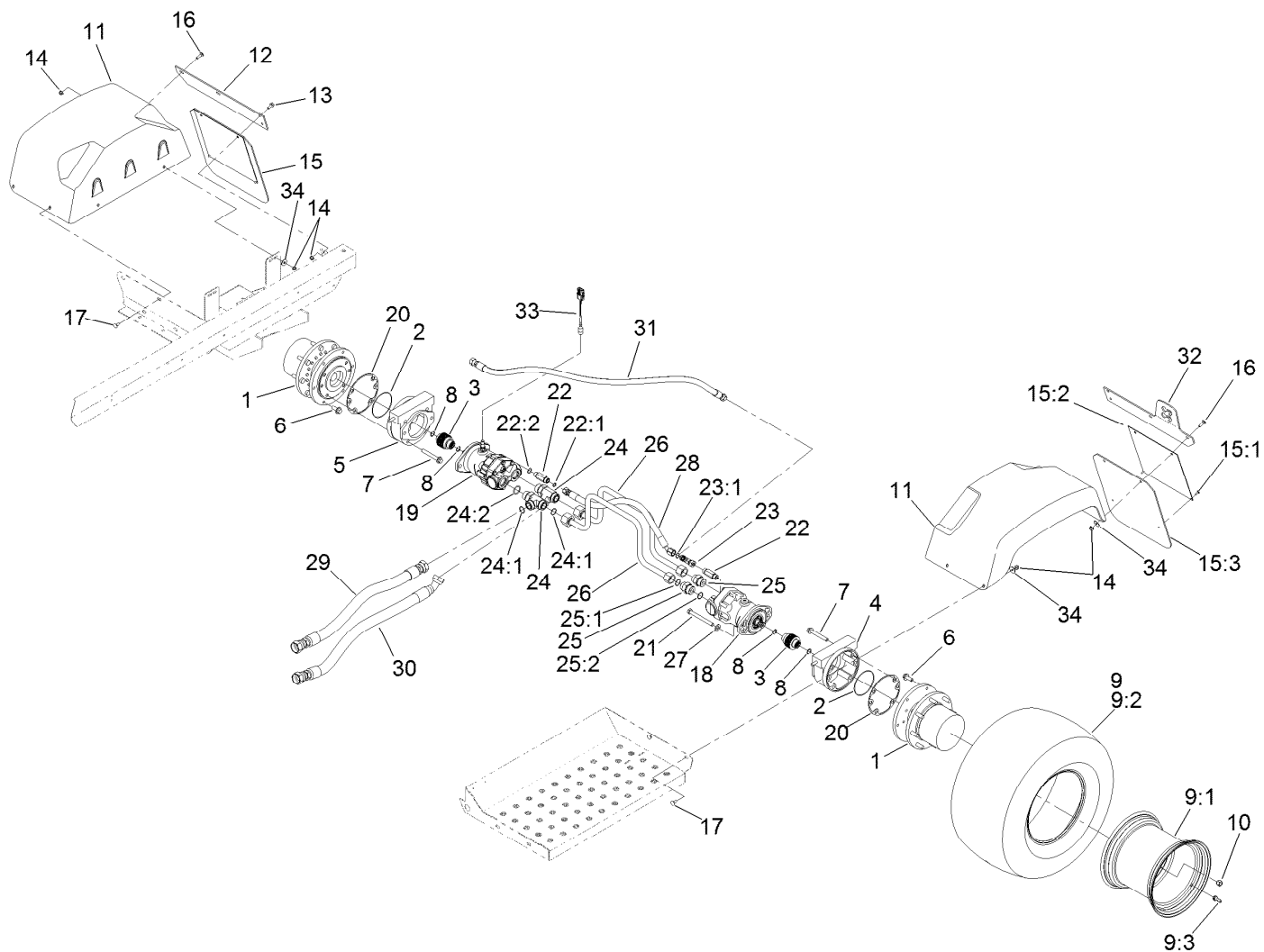
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 3    | 136-2430    | 2    | Valve-Check, Po               |
| 3:1  | 120-0886    | 1    | Seal Kit                      |
| 4    | 107-7517    | 1    | Valve-Solenoid                |
| 4:1  | 105-9156    | 1    | Seal Kit                      |
| 4:2  | 107-7812    | 1    | Nut-Solenoid                  |
| 5    | 120-2587    | 2    | Valve-Solenoid                |
| 5:1  | 112-6520    | 1    | Seal Kit ●                    |
| 6    | 119-8036    | 5    | Coil                          |
| 7    | 120-2586    | 2    | Spacer-Coil                   |
| 8    | 110-8903    | 2    | Orifice-Control, Flow (0.055) |
| 9    | 125-8849    | 2    | Orifice-Flow Control          |
| 10   | 340-92      | 4    | Fitting-Straight              |
| 10:1 | 237-78      | 1    | O-Ring                        |
| 10:2 | 237-21      | 1    | O-Ring                        |
| 11   | 110-2634    | 2    | Nut-Coil                      |

● Not illustrated



## Rear Drive Assembly

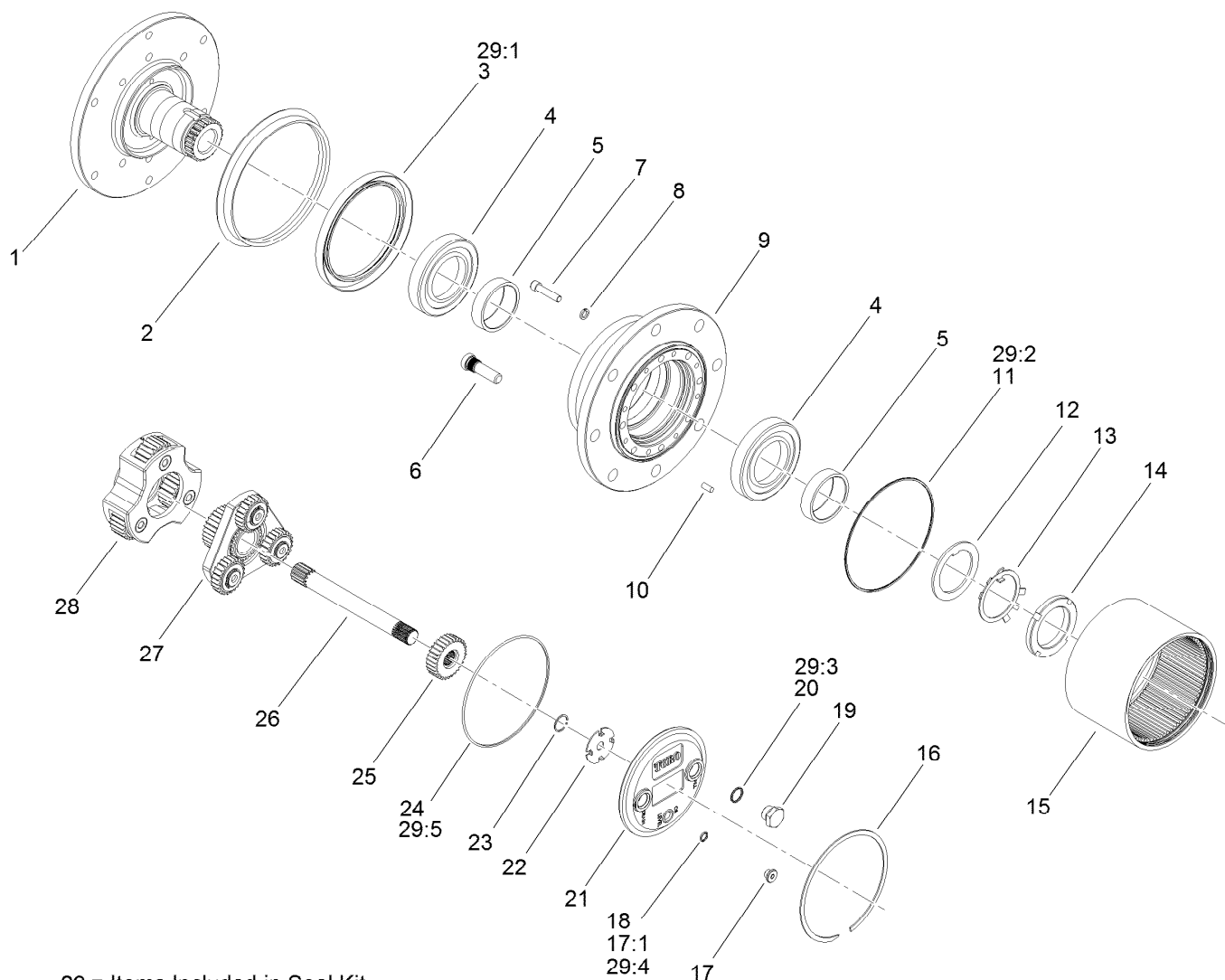
| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|--------------------------|------|-------------|------|----------------------------------|
| 1    | 136-2913    | 2    | Planetary ASM            | 16   | 3230-2      | 4    | Bolt-CARR                        |
| 2    | 237-166     | 2    | O-Ring                   | 17   | 3230-1      | 8    | Bolt-CARR                        |
| 3    | 100-3046    | 2    | Shaft-Brake, Splined     | 18   | 132-5631    | 1    | HYD Motor ASM                    |
| 4    | 100-3069    | 1    | RH Brake ASM             | 19   | 136-2373    | 1    | Motor-Hydraulic (W/Speed Sensor) |
| 5    | 100-3070    | 1    | LH Brake ASM             | 20   | 93-7984     | 2    | Gasket                           |
| 6    | 33106-030   | 12   | Screw-HHF                | 21   | 33116-110   | 4    | Screw-HH                         |
| 7    | 33106-080   | 8    | Screw-HHF                | 22   | 119-4854    | 2    | Fitting-STR                      |
| 8    | 93-7972     | 4    | Ring-Retaining, Internal | 22:1 | 237-30      | 1    | O-Ring                           |
| 9    | 145-3376    | 2    | Tire/Wheel ASM           | 22:2 | 237-79      | 1    | O-Ring                           |
| 9:1  | 133-2723    | 1    | Wheel                    | 23   | 340-104     | 1    | Fitting-Tee                      |
| 9:2  | 145-3377    | 1    | Tire 26.5/14-12, 6 Ply   | 23:1 | 237-30      | 2    | O-Ring                           |
| 9:3  | 232-27      | 1    | Stem-Valve               | 24   | 104-3795    | 2    | Fitting-Tee                      |
| 10   | 139-2564    | 16   | Nut-Lug                  | 24:1 | 340-65      | 2    | O-Ring                           |
| 11   | 93-6498     | 2    | Fender-Rear              | 24:2 | 237-146     | 1    | O-Ring                           |
| 12   | 93-6528-03  | 1    | Strap-Mount, Fender      | 25   | 340-91      | 2    | Fitting-STR                      |
| 13   | 3234-5      | 4    | Screw-HHF                | 25:1 | 237-58      | 1    | O-Ring                           |
| 14   | 104-8300    | 16   | Nut-HF, NI               | 25:2 | 237-146     | 1    | O-Ring                           |
| 15   | 94-7127     | 2    | Splash Guard ASM         | 26   | 117-0674    | 2    | Tube-Traction                    |
| 15:1 | 114439      | 2    | Rivet-Blind              | 27   | 33096-00    | 4    | Washer-Flat                      |
| 15:2 | 94-7128-03  | 1    | Plate-Guard, Splash      | 28   | 131-9634    | 1    | Hydraulic Hose ASM               |
| 15:3 | 94-7129     | 1    | Guard-Splash             |      |             |      |                                  |



## Rear Drive Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 29   | 120-8563    | 1    | Hose ASM    |
| 30   | 120-8564    | 1    | Hose ASM    |
| 31   | 119-0582    | 1    | Hose ASM    |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 32   | 136-2308-03 | 1    | Support-Mount, Drain  |
| 33   | 136-2339    | 1    | Harness-Wire, Adaptor |
| 34   | 3256-82     | 12   | Washer-Flat           |

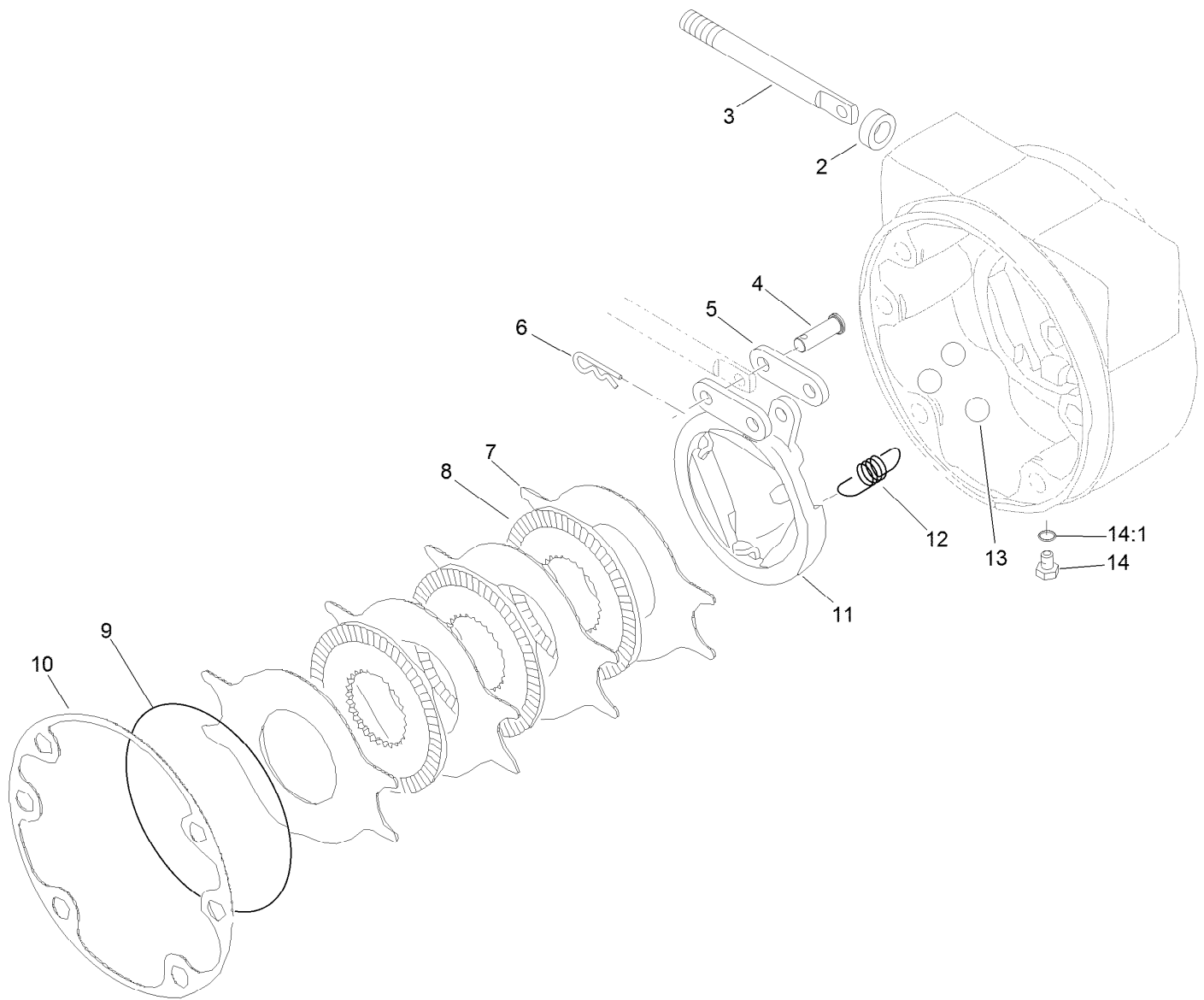


## Planetary Assembly No. 136-2913

| 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            |

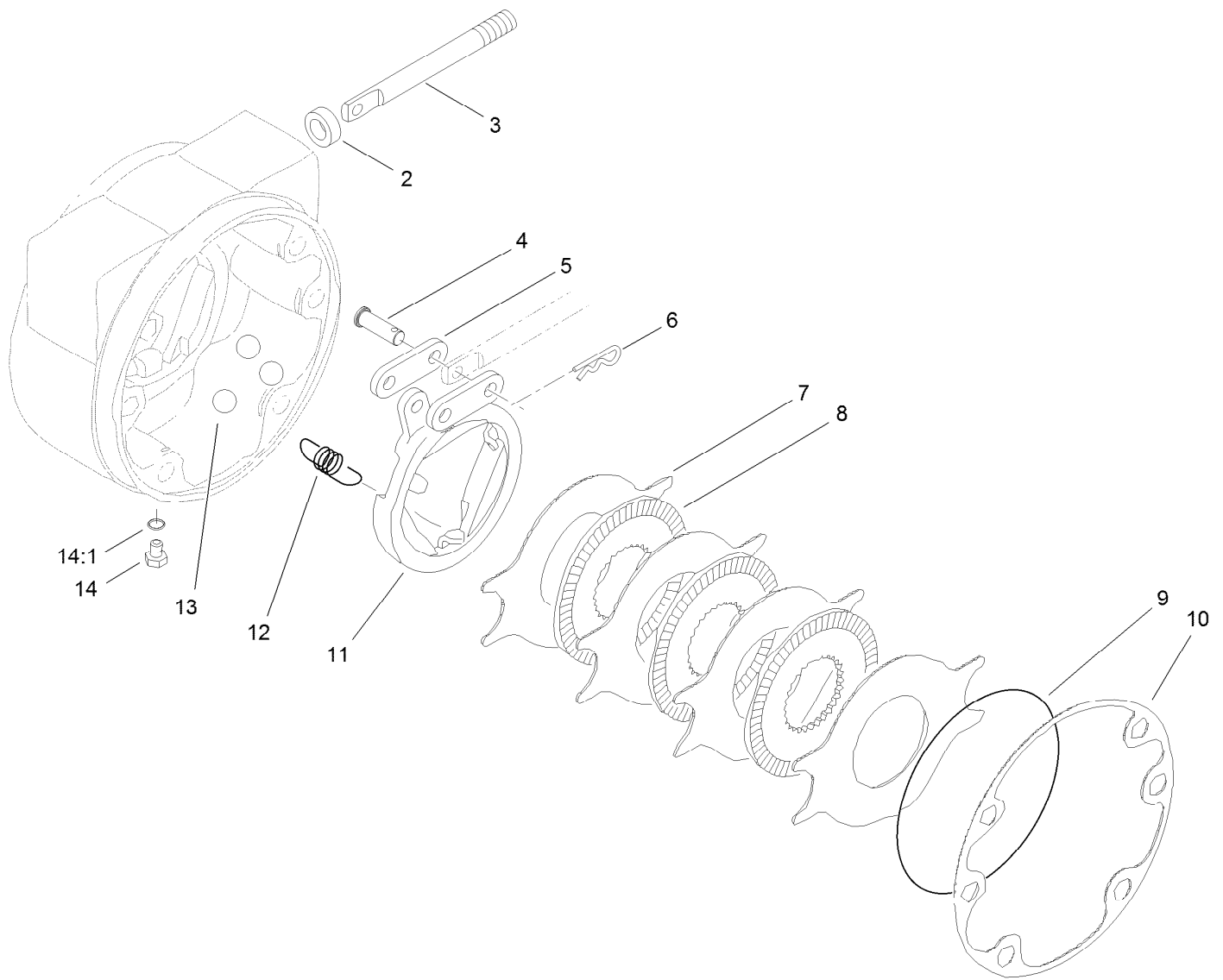
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 18   | 237-78      | 1    | O-Ring                |
| 19   | 138-1211    | 2    | Plug-Flange, Magnetic |
| 20   | 138-1212    | 2    | O-Ring                |
| 21   | 138-1213    | 1    | Cap-End               |
| 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



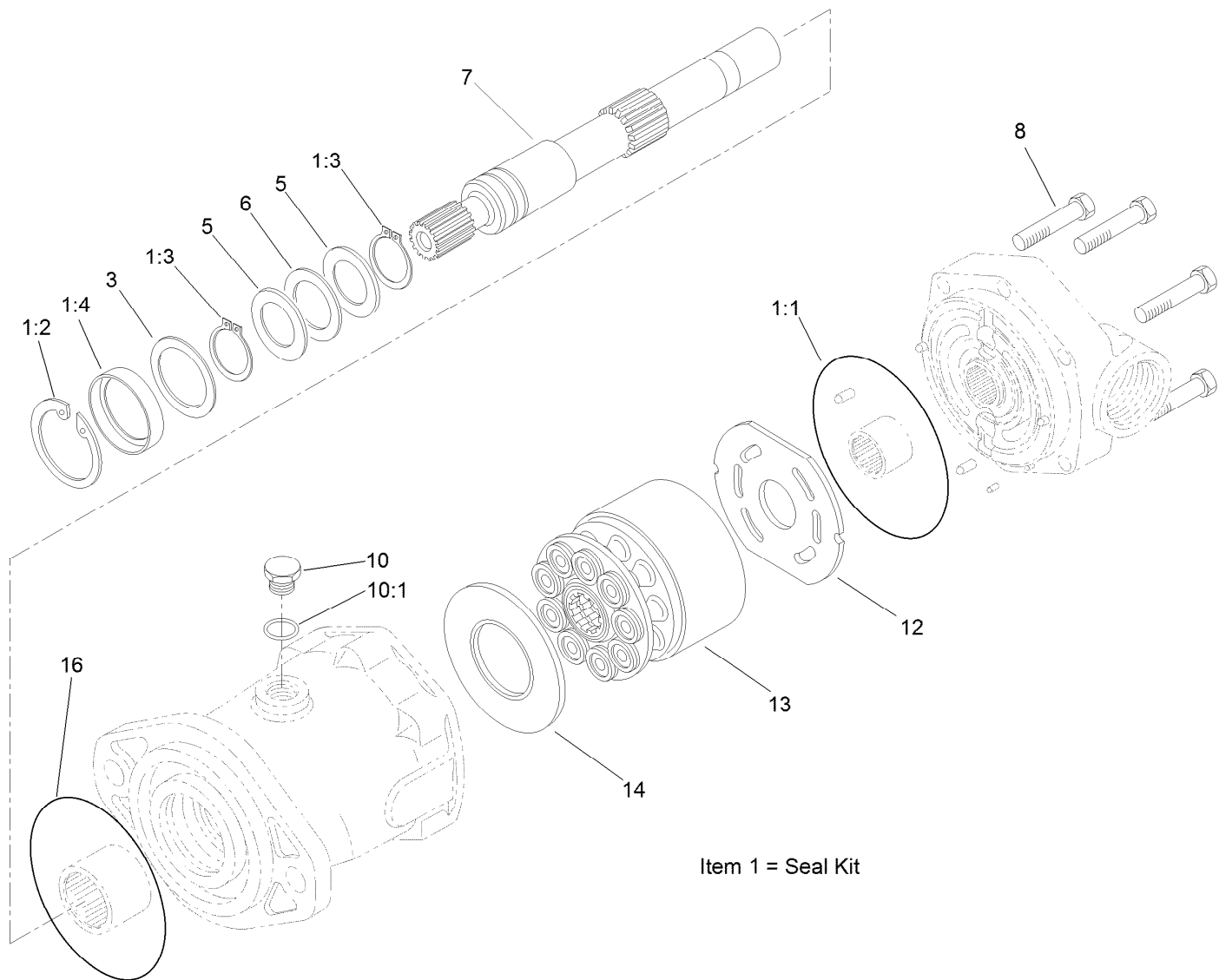
## RH Brake Assembly No. 100-3069

| 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            |



## LH Brake Assembly No. 100-3070

| 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            |



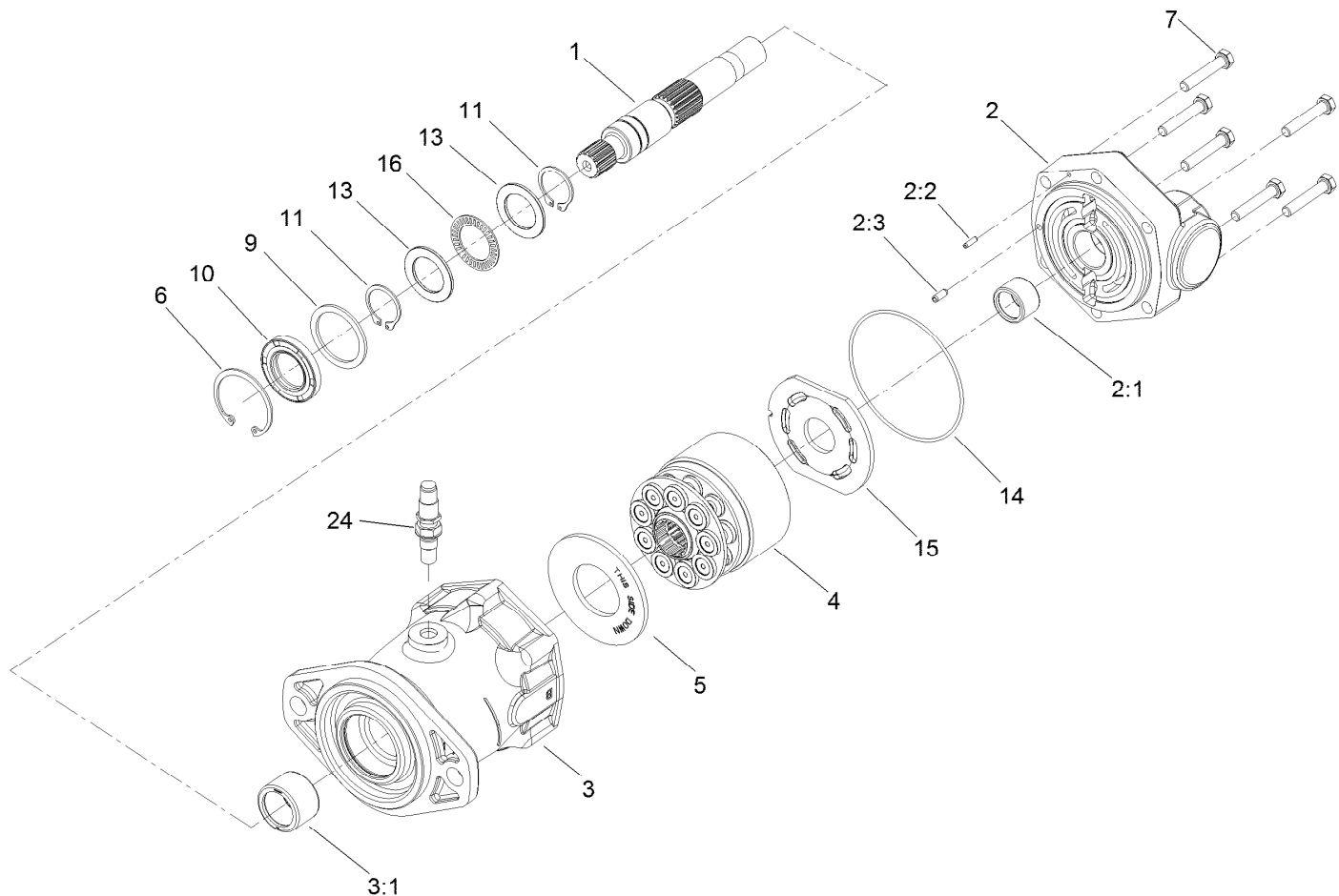
## Hydraulic Motor Assembly No. 132-5631

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 106-6876    | 1    | Seal Kit         |
| 1:1  |             | 1    | O-Ring ●■        |
| 1:2  | 76-7010     | 1    | Ring-Retaining ● |
| 1:3  | 76-7000     | 2    | Ring-Retaining ● |
| 1:4  |             | 1    | Seal-Shaft ●■    |
| 3    | 60-6240     | 1    | Washer           |
| 5    | 76-6950     | 2    | Race-Thrust      |
| 6    | 76-6960     | 1    | Bearing-Thrust   |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 7    | 94-3004     | 1    | Shaft-Drive, Splined |
| 8    | 94-3002     | 6    | Screw-Cap            |
| 10   | 94-3009     | 1    | Plug                 |
| 10:1 |             | 1    | O-Ring ■             |
| 12   | 94-3003     | 1    | Plate-Valve          |
| 13   | 76-6910     | 1    | Rotating Kit         |
| 14   | 76-6970     | 1    | Insert-Plate, Cam    |
| 16   | 237-166     | 1    | O-Ring               |

● Not illustrated

■ Not serviced separately



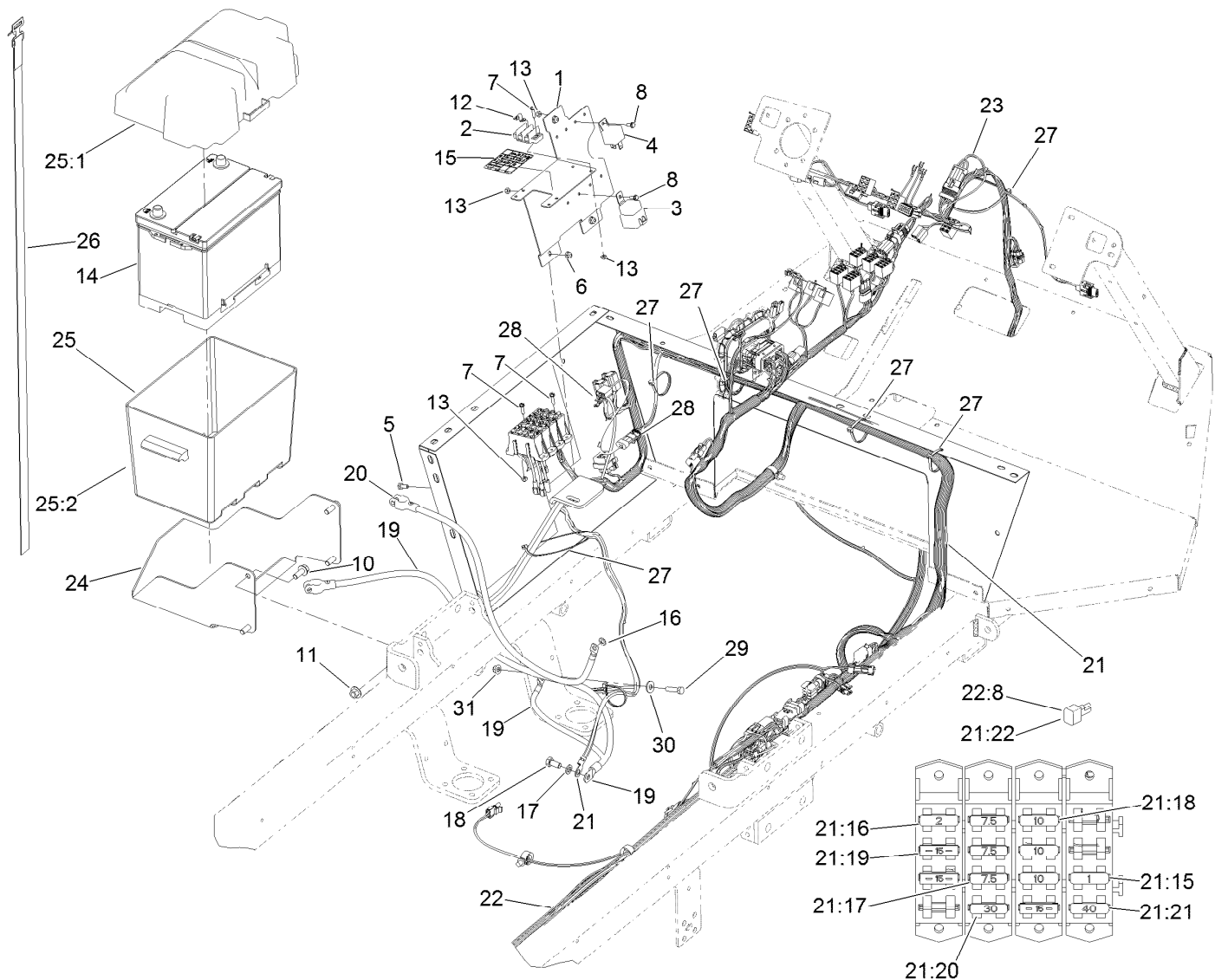
## Hydraulic Motor Assembly No. 136-2373

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 94-3004     | 1    | Shaft-Drive, Splined |
| 2    | 136-2366    | 1    | Backplate ASM        |
| 2:1  | 136-2367    | 1    | Bearing              |
| 2:2  | 136-2369    | 1    | Pin-Roll             |
| 2:3  | 136-2370    | 1    | Pin-Roll             |
| 3    | 136-2365    | 1    | Housing ASM          |
| 3:1  | 136-2368    | 1    | Bearing              |
| 4    | 76-6910     | 1    | Rotating Kit         |
| 5    | 76-6970     | 1    | Insert-Plate, Cam    |
| 6    | 76-7010     | 1    | Ring-Retaining       |
| 7    | 94-3002     | 6    | Screw-Cap            |
| 9    | 60-6240     | 1    | Washer               |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 106-6876    | 1    | Seal Kit            |
| 10:1 |             | 1    | O-Ring ■●           |
| 10:2 | 76-7010     | 1    | Ring-Retaining ●    |
| 10:3 | 76-7000     | 2    | Ring-Retaining ●    |
| 10:4 |             | 1    | Seal-Shaft ■●       |
| 11   | 76-7000     | 2    | Ring-Retaining      |
| 13   | 76-6950     | 2    | Race-Thrust         |
| 14   | 76-6980     | 1    | O-Ring              |
| 15   | 94-3003     | 1    | Plate-Valve         |
| 16   | 76-6960     | 1    | Bearing-Thrust      |
| 24   | 136-2270    | 1    | Sensor-Speed, Wheel |

● Not illustrated

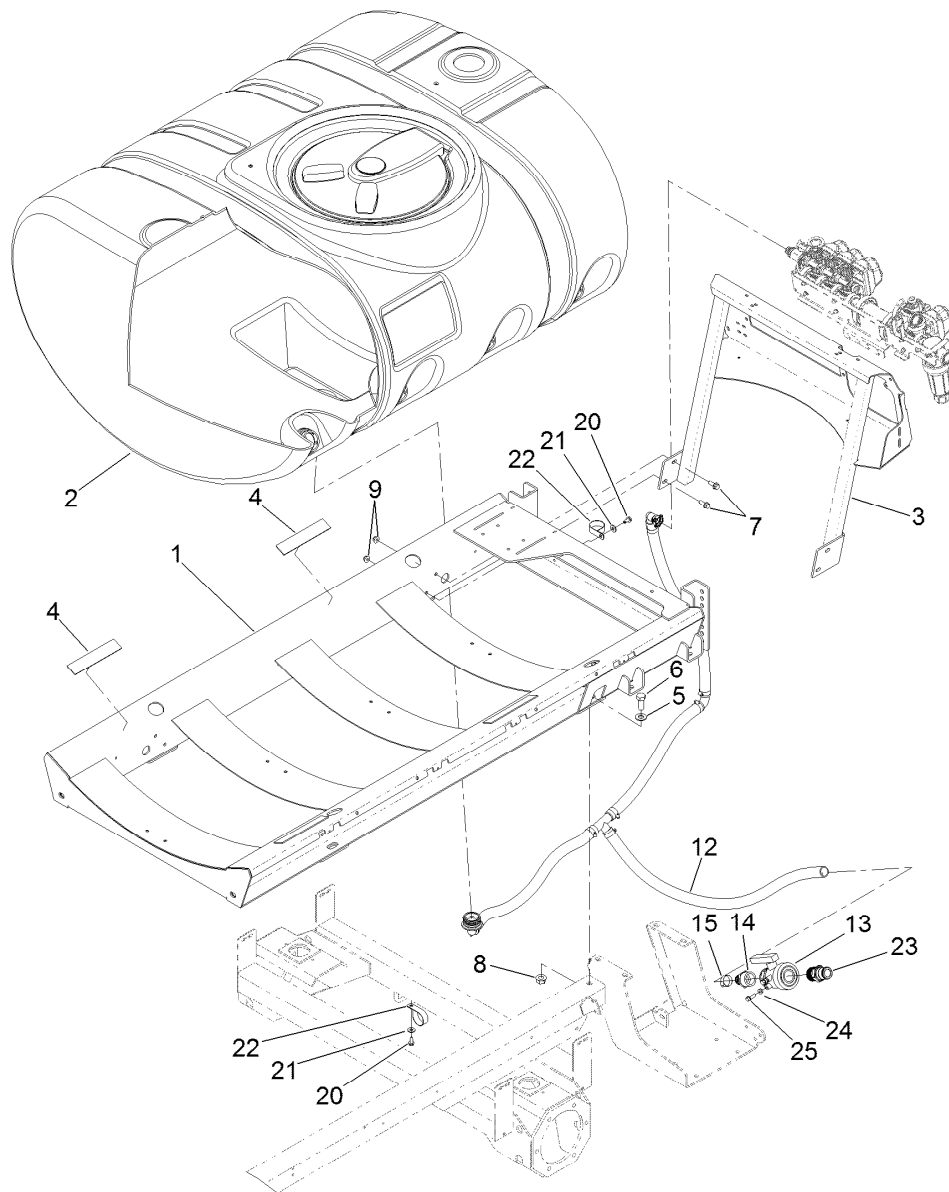
■ Not serviced separately



## Electrical Assembly

| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 1    | 133-2757-0P | 1    | Panel-Electrical                 |
| 2    | 42862       | 1    | Block-Terminal, Ground           |
| 3    | 99-7430     | 1    | Relay-Mini                       |
| 4    | 99-7435     | 1    | Relay                            |
| 5    | 321-3       | 3    | Screw-HH                         |
| 6    | 104-7201    | 3    | Nut-HF, NI                       |
| 7    | 32105-13    | 4    | Screw-HWH                        |
| 8    | 3290-321    | 2    | Screw-HWH                        |
| 10   | 3234-11     | 4    | Screw-HHF                        |
| 11   | 32128-43    | 4    | Nut-Flange                       |
| 12   | 42863       | 1    | Strip-Jumper                     |
| 13   | 3296-2      | 6    | Nut-Lock, NI                     |
| 14   | 106-5190    | 1    | Battery, 660 CCA W/O Electrolyte |
| 15   | 133-2758    | 1    | Decal-Fuse                       |
| 16   | 3255-8      | 1    | Washer-Lock                      |
| 17   | 48-9590     | 1    | Washer-Lock                      |
| 18   | 63-7790     | 1    | Screw-Cap                        |
| 19   | 105-0115    | 1    | Cable-Battery, Negative          |
| 20   | 105-0114    | 1    | Cable-Battery, Positive          |
| 21   | 122-1442    | 1    | Harness-Wire                     |

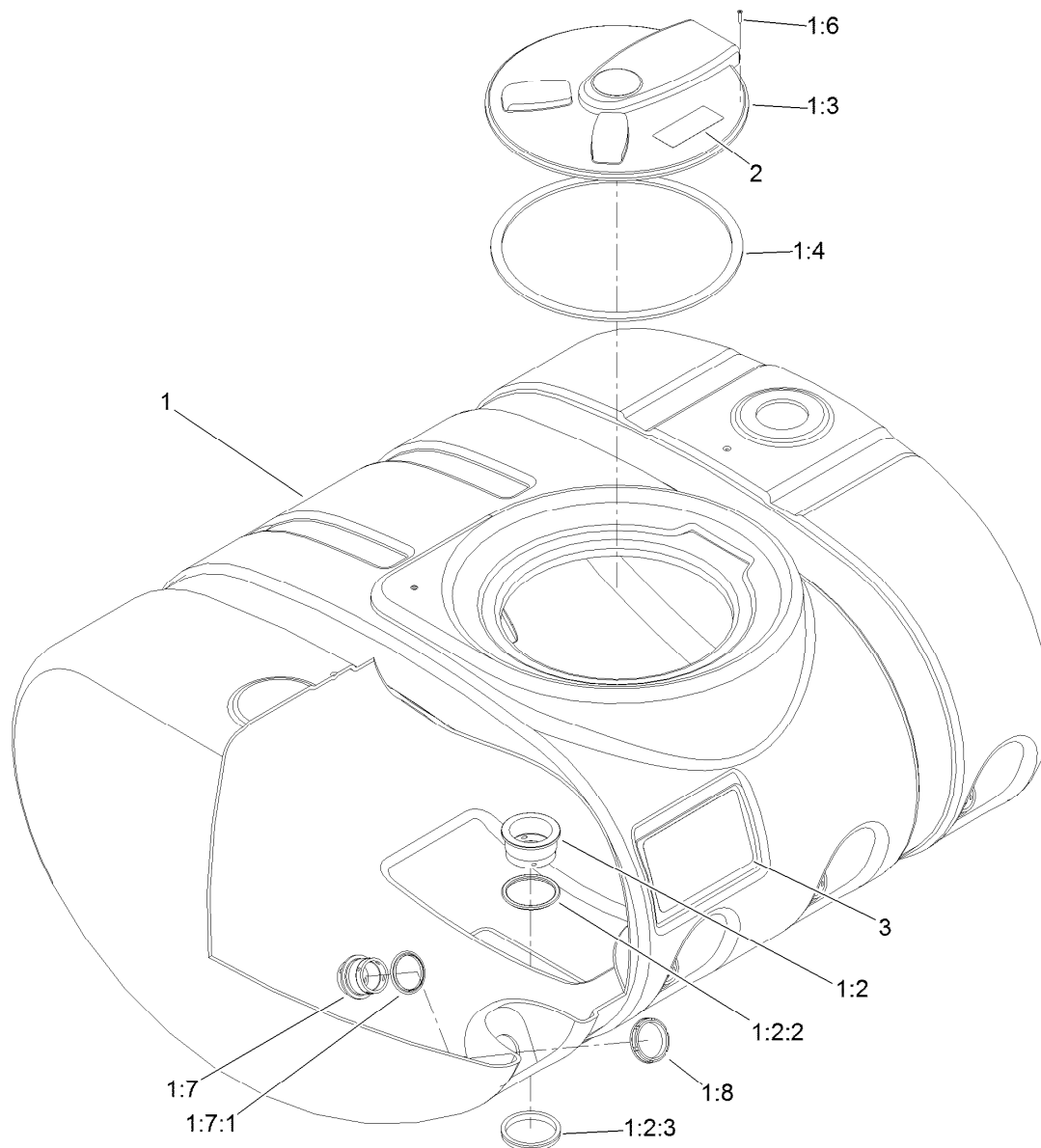
| Ref.  | Part Number | Qty. | Description            |
|-------|-------------|------|------------------------|
| 21:15 | 104-9055    | 1    | Fuse-Blade, 1 Amp      |
| 21:16 | 94-6710     | 1    | Fuse-2 Amp             |
| 21:17 | 114241      | 3    | Fuse-Blade, 7.5 Amp    |
| 21:18 | 218-578     | 3    | Fuse-Blade, 10 Amp     |
| 21:19 | 109355      | 3    | Fuse-Blade, 15 Amp     |
| 21:20 | 109103      | 1    | Fuse-Blade, 30 Amp     |
| 21:21 | 99-6124     | 1    | Fuse-40 Amp            |
| 21:22 | 100-4918    | 2    | Diode                  |
| 22    | 122-0694    | 1    | Harness-Wire, Rear     |
| 22:8  | 100-4918    | 4    | Diode                  |
| 23    | 122-0695    | 1    | Harness-Wire, Auto/MAN |
| 24    | 119-5049-03 | 1    | Bracket-Battery        |
| 25    | 93-7595     | 1    | Battery Box ASM        |
| 25:1  | 105-2914    | 1    | Top-Battery Box        |
| 25:2  | 105-2915    | 1    | Bottom-Battery Box     |
| 26    | 3339-175    | 1    | Strapping-Web          |
| 27    | 3290-379    | 8    | Tie-Cable              |
| 28    | 108-8657    | 1    | Harness-Wire, Seat     |
| 29    | 322-6       | 1    | Screw-HH               |
| 30    | 3256-3      | 1    | Washer-Flat            |
| 31    | 104-8300    | 1    | Nut-HF, NI             |



## Tank and Saddle Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 130-7092-03 | 1    | Tank Saddle ASM          |
| 2    | 117-8005    | 1    | Tank ASM                 |
| 3    | 147-4669-03 | 1    | Vavle-Mount, ASM [black] |
| 4    | 104-7102    | 4    | Pad-Battery              |
| 5    | 3256-27     | 4    | Washer-Flat              |
| 6    | 327-4       | 4    | Screw-HH                 |
| 7    | 3234-11     | 4    | Screw-HHF                |
| 8    | 32128-50    | 4    | Nut-Flange               |
| 9    | 104-8301    | 4    | Nut-HF, NI               |
| 12   | 132-4297    | 1    | Bypass Hose ASM          |

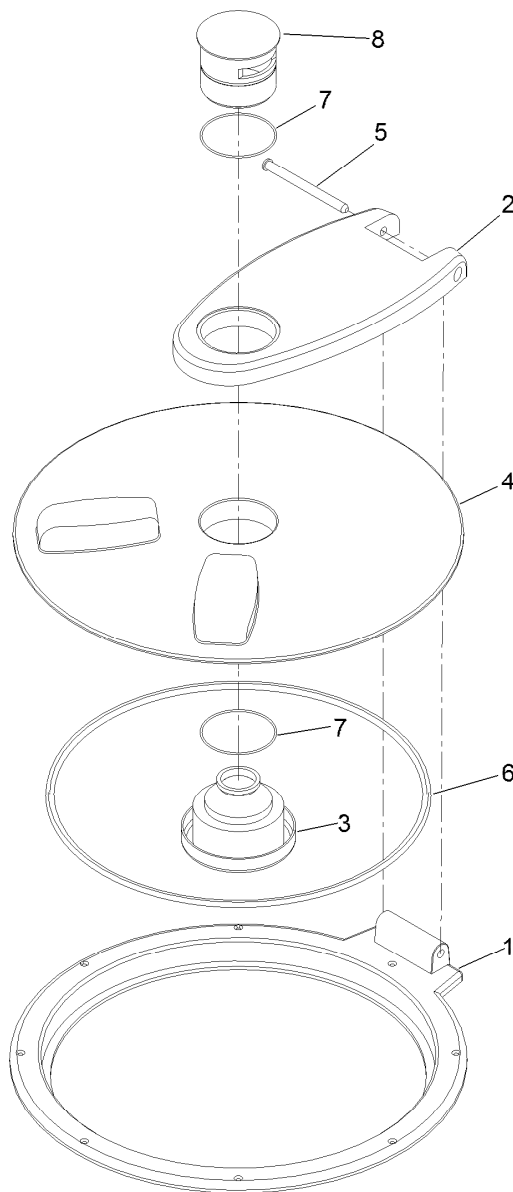
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 13   | 108-0069    | 1    | Valve-Ball               |
| 14   | 110-5224    | 1    | Fitting-Barbed, Straight |
| 15   | 2412-34     | 1    | Clamp-Hose               |
| 20   | 9264964     | 2    | Screw-HWH, Thread Cut    |
| 21   | 3256-3      | 2    | Washer-Flat              |
| 22   | 2412-147    | 2    | Clamp-R                  |
| 23   | 132-7787    | 1    | Coupler-Quick            |
| 24   | 32128-26    | 2    | Nut-HF                   |
| 25   | 3234-29     | 2    | Screw-HHF                |



## Tank Assembly No. 117-8005

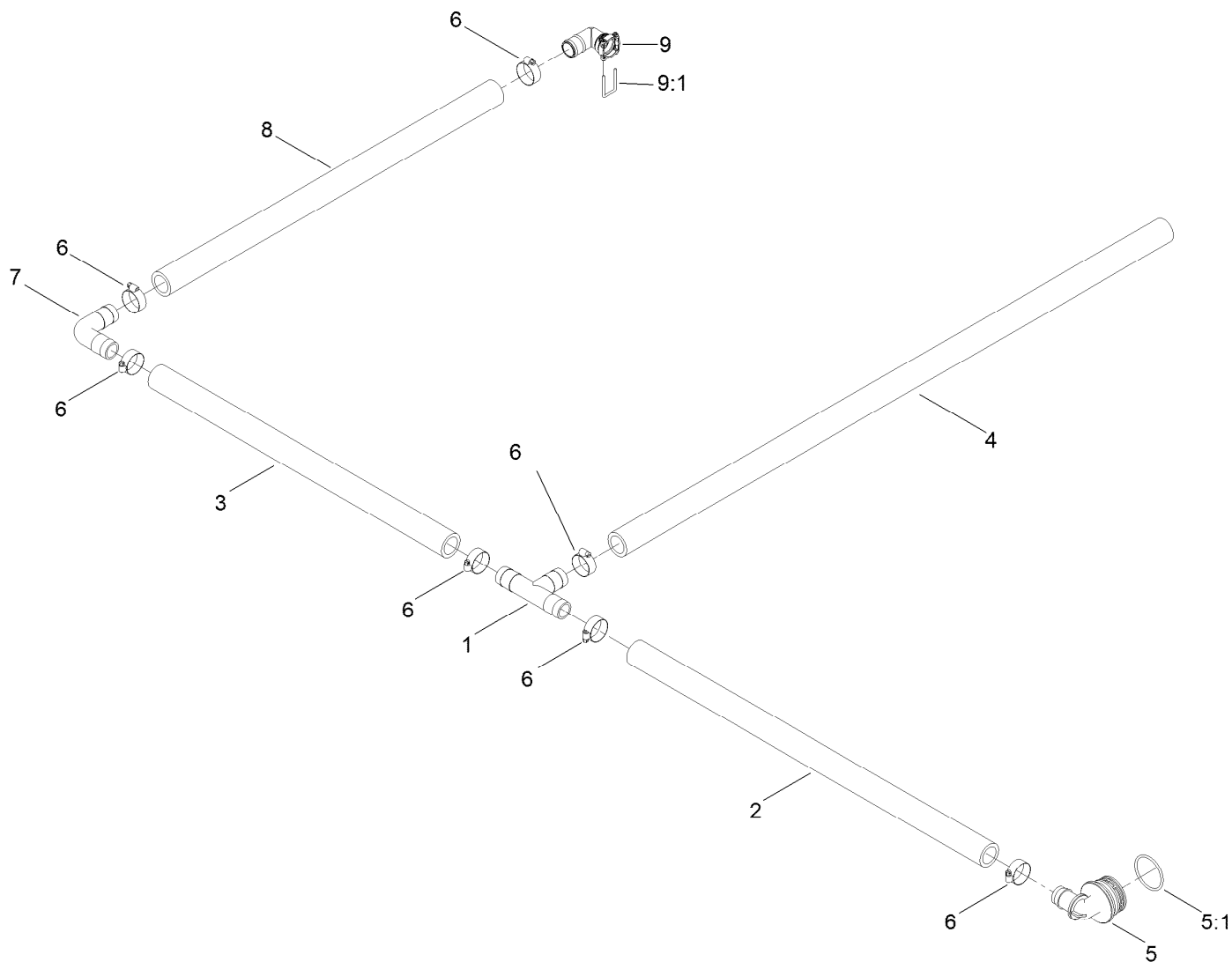
| Ref.  | Part Number | Qty. | Description            |
|-------|-------------|------|------------------------|
| 1     |             | 1    | Tank ASM ●             |
| 1:2   | 117-7851    | 1    | Bulkhead ASM           |
| 1:2:2 | 100-8646    | 1    | Gasket-Bulkhead        |
| 1:2:3 | 100-8647    | 1    | Nut-Bulkhead           |
| 1:3   | 138-6283    | 1    | Lid ASM - Sprayer Tank |
| 1:4   | 119-9378    | 1    | Gasket-Lid, Tank       |
| 1:6   | 107-8635    | 8    | Screw-PFH              |
| 1:7   | 108-3358    | 4    | Fitting-Bulkhead       |
| 1:7:1 | 107-2864    | 1    | Gasket-Bulkhead        |
| 1:8   | 100-7051    | 4    | Nut-Bulkhead           |
| 2     | 120-0622    | 1    | Decal-Warning          |
| 3     | 119-5042    | 2    | Decal-Tank             |

● Not serviced separately



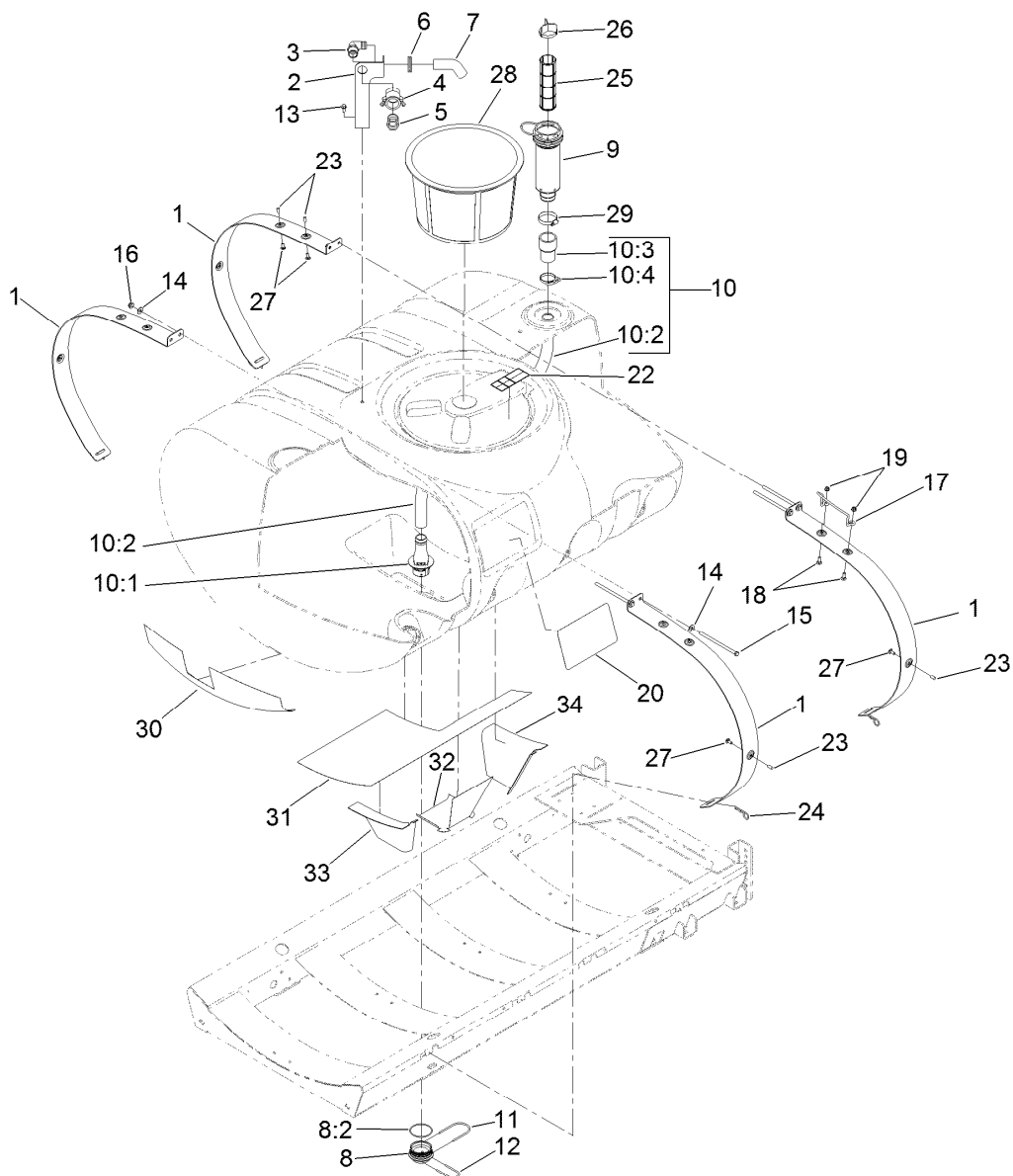
## Spray Tank Lid Assembly No. 138-6283

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 119-9381           | 1           | Ring-Lid           |
| 2           | 119-9382           | 1           | Arm-Lid            |
| 3           | 119-9383           | 1           | Vent-Lid           |
| 4           | 119-9384           | 1           | Cover-Lid          |
| 5           | 119-9385           | 1           | Pin-Pivot          |
| 6           | 138-6281           | 1           | Seal - Tank Lid    |
| 7           | 119-9386           | 2           | O-Ring             |
| 8           | 119-9387           | 1           | Cap-Lid            |



## Bypass Hose Assembly No. 132-4297

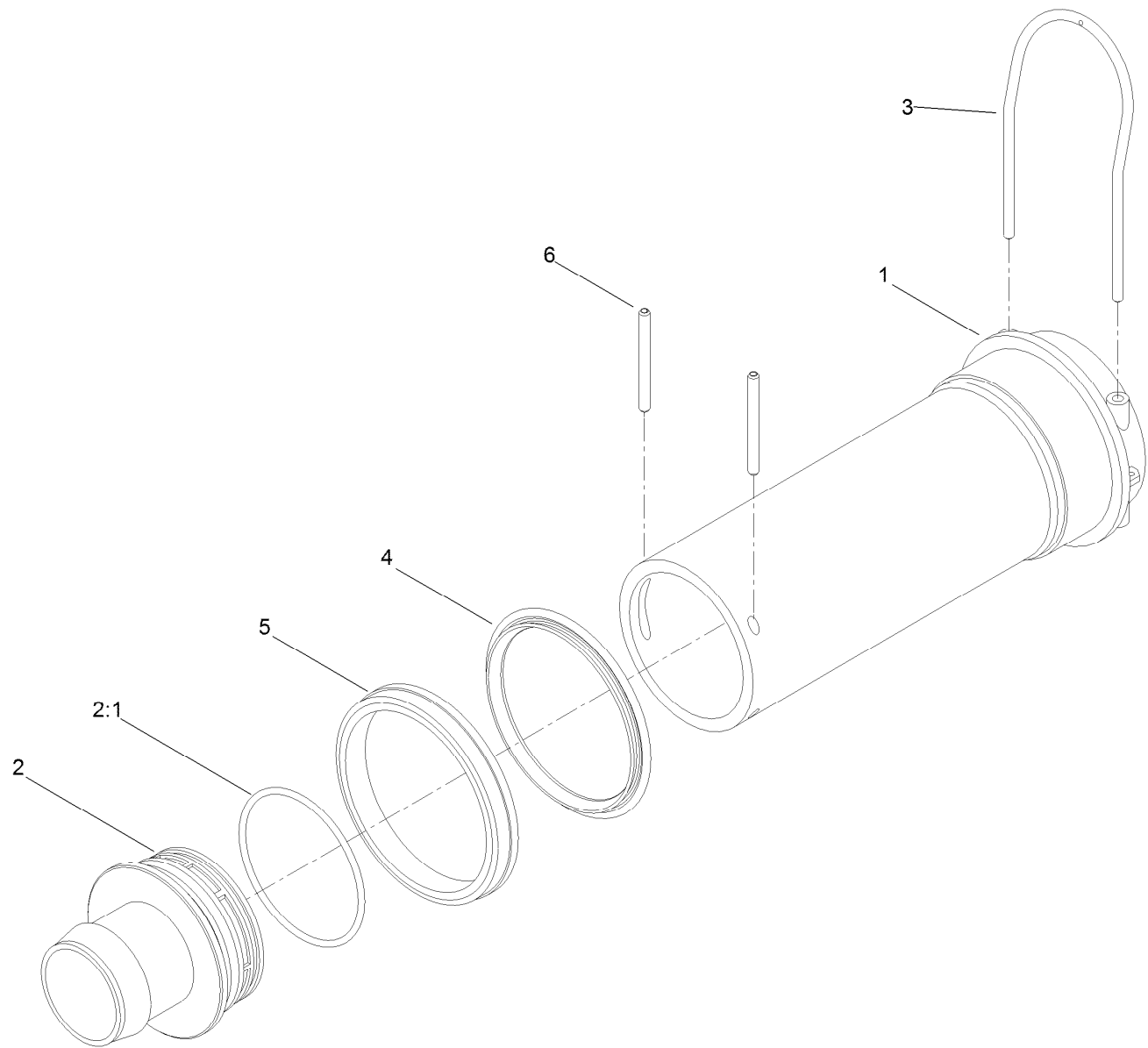
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 117-7866    | 1    | Tee-Hosebarb            |
| 2    | 131-5775    | 1    | Hose-Drain              |
| 3    | 131-5825    | 1    | Hose-Drain              |
| 4    | 131-5777    | 1    | Hose-Drain              |
| 5    | 106-4933    | 1    | Hosebarb ASM            |
| 5:1  | 100-8637    | 1    | O-Ring                  |
| 6    | 2412-34     | 7    | Clamp-Hose              |
| 7    | 117-7867    | 1    | Elbow-Hosebarb          |
| 8    | 131-5824    | 1    | Hose-Drain              |
| 9    | 131-0213    | 1    | 90 DEG Barb Fitting Kit |
| 9:1  | 133-0398    | 1    | Pin-Fork                |



## Tank Mounting and Filter Assembly

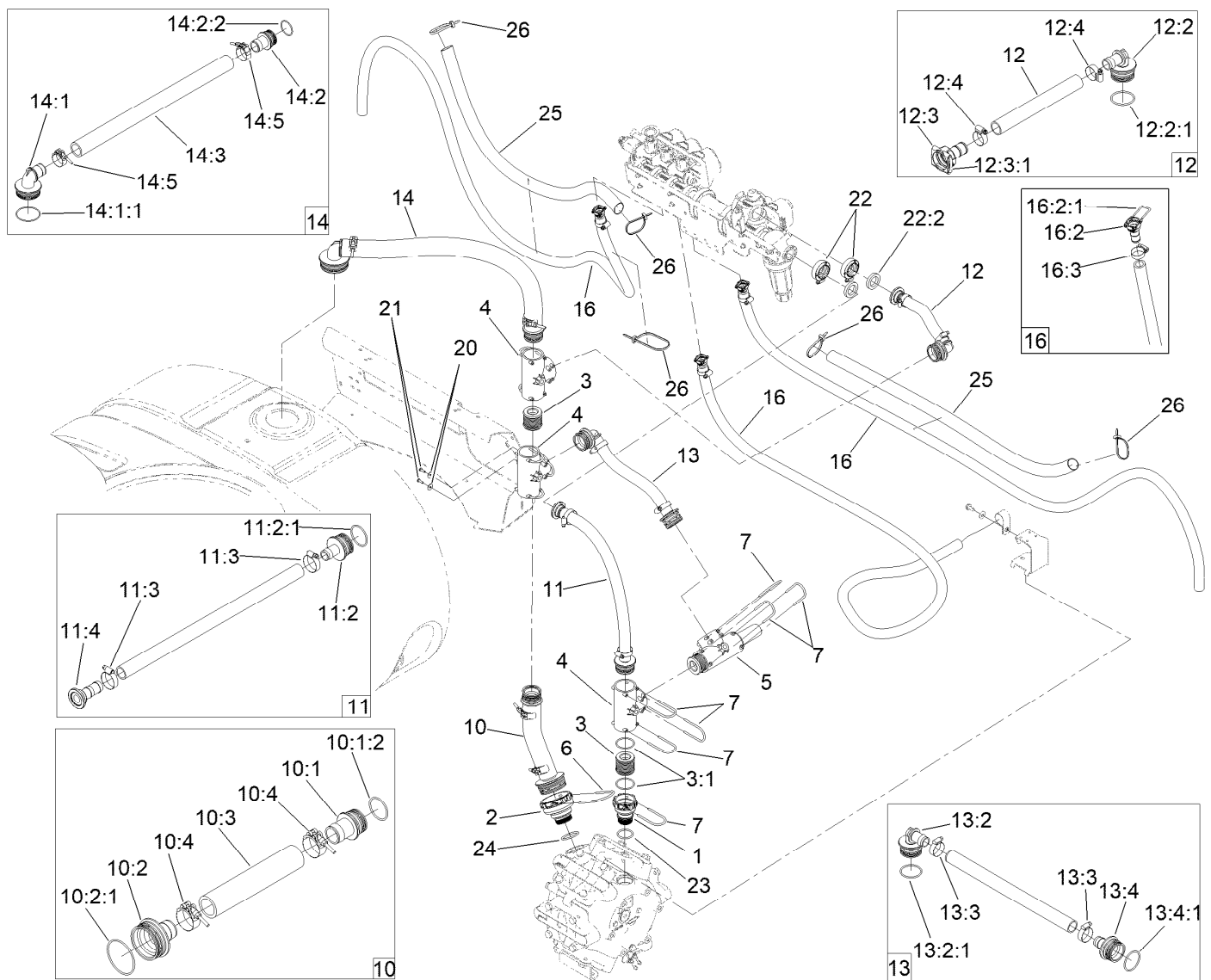
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 117-8029-03 | 4    | Band-Tank           |
| 2    | 110-5082-03 | 1    | Bracket-Anti Siphon |
| 3    | 41140       | 1    | Elbow               |
| 4    | 100-6779    | 1    | Coupling-Female     |
| 5    | 41316       | 1    | Adapter-Quick       |
| 6    | 110-5090    | 1    | Grommet             |
| 7    | 110-5088    | 1    | Hose-Fill           |
| 8    | 117-7928    | 1    | Adapter ASM         |
| 8:2  | 100-6989    | 1    | O-Ring              |
| 9    | 130-7096    | 1    | Filter ASM          |
| 10   | 121-5003    | 1    | Suction Tube ASM    |
| 10:1 | 121-5008    | 1    | Foot-Suction        |
| 10:2 | 121-5030    | 1    | Tube-Suction        |
| 10:3 | 121-5031    | 1    | Connector-Suction   |
| 10:4 | 121-5047    | 1    | Clamp-Nylon         |
| 11   | 117-7996    | 1    | Fork                |
| 12   | 100-8635    | 1    | Fork                |
| 13   | 3234-5      | 1    | Screw-HHF           |
| 14   | 3256-4      | 8    | Washer-Flat         |
| 15   | 120-0649    | 4    | Bolt-TAP HH         |
| 16   | 104-8301    | 4    | Nut-HF, NI          |

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 17   | 119-5019    | 1    | Stop-Lid                      |
| 18   | 3230-2      | 2    | Bolt-CARR                     |
| 19   | 104-8300    | 2    | Nut-HF, NI                    |
| 20   | 131-3316    | 2    | Decal-Tank                    |
| 22   | 120-0622    | 1    | Decal-Warning                 |
| 23   | 42452       | 5    | Cap-Protective                |
| 24   | 3290-343    | 4    | Pin-Hair                      |
| 25   | 100-6991    | 1    | Element-Filter, Green         |
| 25   | 100-6992    | 1    | Element-Filter, Red           |
| 25   | 100-8642    | 1    | Screen-Suction                |
| 26   | 100-8641    | 1    | Vane-Screen                   |
| 27   | 3230-1      | 5    | Bolt-CARR                     |
| 28   | 119-9419    | 1    | Basket-Filter                 |
| 29   | 2412-130    | 1    | Clamp-Hose                    |
| 30   | 130-7139    | 1    | Shield-Heat Tape, Front       |
| 31   | 130-7140    | 1    | Shield-Heat Tape, Bottom      |
| 32   | 130-7141    | 1    | Shield-Heat Tape, Sump        |
| 33   | 131-3298    | 1    | Shield-Heat Tape, Sump, Front |
| 34   | 131-3299    | 1    | Shield-Heat Tape, Sump, Rear  |



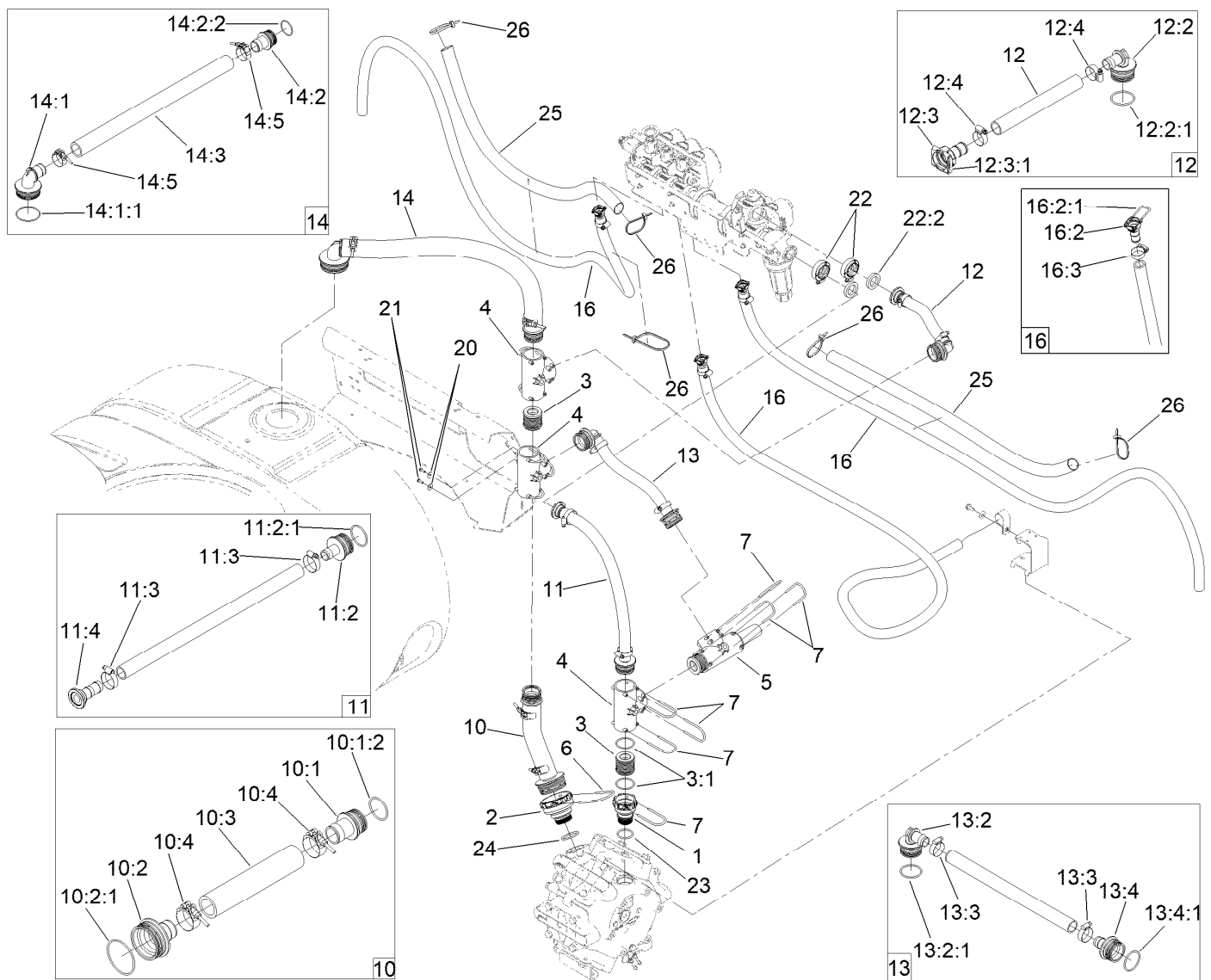
## Filter Assembly No. 130-7096

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 100-8643           | 1           | Housing-Filter     |
| 2           | 106-4942           | 1           | Hosebarb-Straight  |
| 2:1         | 100-6989           | 1           | O-Ring             |
| 3           | 100-8636           | 1           | Fork-Special       |
| 4           | 100-8646           | 1           | Gasket-Bulkhead    |
| 5           | 100-8647           | 1           | Nut-Bulkhead       |
| 6           | 100-8644           | 2           | Pin-Expansion      |



## Spray System Hose Assembly

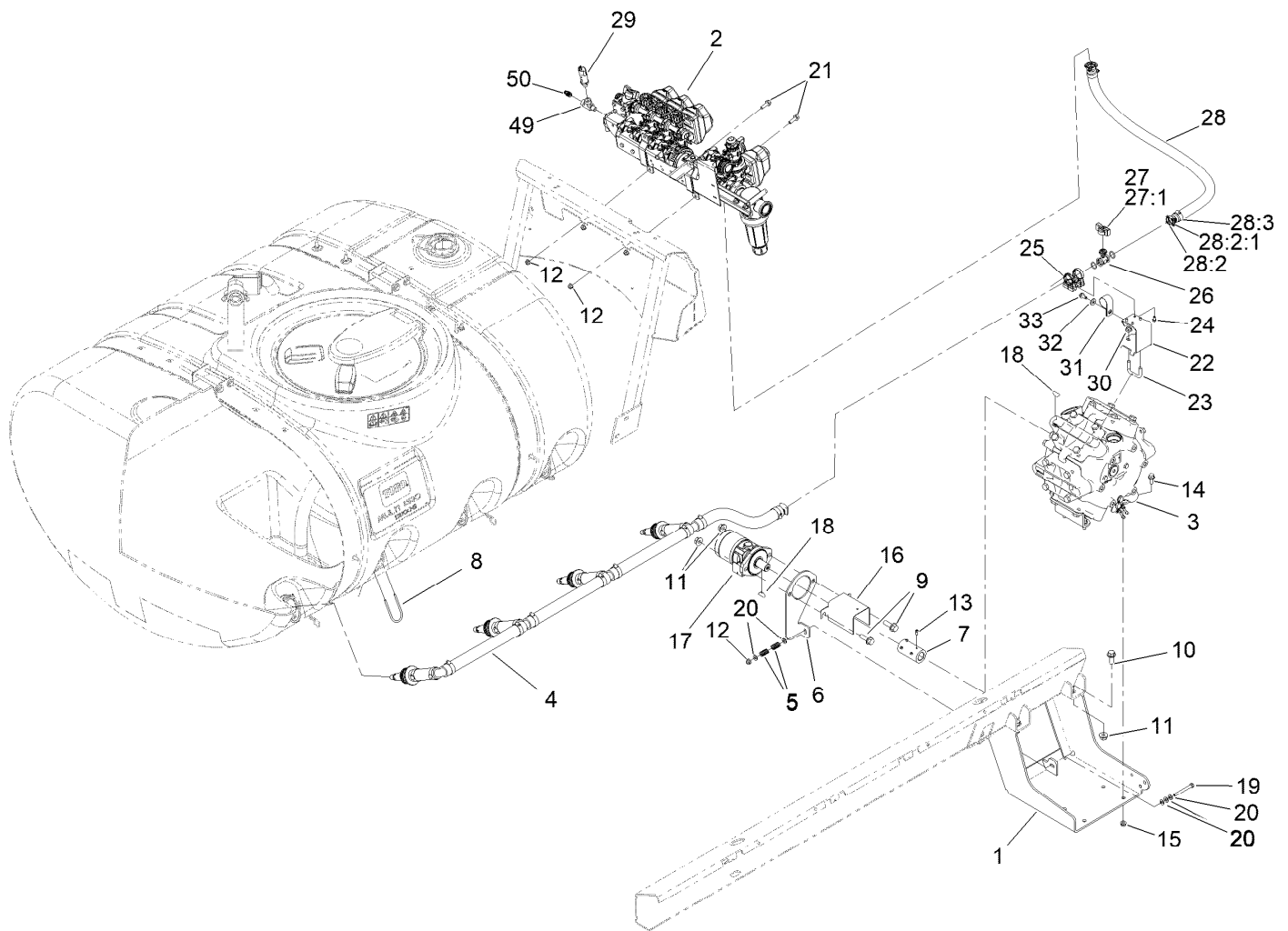
| Ref.   | Part Number | Qty. | Description            | Ref.   | Part Number | Qty. | Description                      |
|--------|-------------|------|------------------------|--------|-------------|------|----------------------------------|
| 1      | 133-2881    | 1    | Fitting                | 12     | 161-4166    | 1    | Hose ASM,Agitation Bypass Mp5800 |
| 2      | 133-2883    | 1    | Fitting                | 12:2   | 106-4933    | 1    | Hosebarb ASM                     |
| 3      | 106-4947    | 2    | Connector              | 12:2:1 | 100-8637    | 1    | O-Ring                           |
| 3:1    | 100-8637    | 2    | O-Ring                 | 12:3   | 161-4117    | 1    | Kit-Fitting, Qf 1" Barb Female   |
| 4      | 100-6704    | 3    | Tee                    | 12:3:1 | 147-3186    | 1    | Pin-Fork, Qf Large               |
| 5      | 117-7874    | 1    | Relief Valve ASM       | 12:4   | 2412-129    | 2    | Clamp-Hose                       |
| 6      | 117-7996    | 1    | Fork                   | 13     | 117-7963    | 1    | Pressure Relief Hose ASM         |
| 7      | 100-8635    | 13   | Fork                   | 13:2   | 106-4933    | 2    | Hosebarb ASM                     |
| 10     | 130-7128    | 1    | Lower Suction Hose ASM | 13:2:1 | 100-8637    | 1    | O-Ring                           |
| 10:1   | 117-7982    | 1    | Hosebarb ASM           | 13:3   | 2412-3      | 2    | Clamp-Hose                       |
| 10:1:2 | 100-8637    | 1    | O-Ring                 | 13:4   | 106-4932    | 1    | Hosebarb-Straight                |
| 10:2   | 117-7965    | 1    | Hosebarb ASM           | 13:4:1 | 100-8637    | 1    | O-Ring                           |
| 10:2:1 | 100-6989    | 1    | O-Ring                 | 14     | 130-7127    | 1    | Upper Suction Hose ASM           |
| 10:3   | 127-8982    | 1    | Hose-Suction, Lower    | 14:1   | 106-4952    | 1    | Hosebarb-90 DEG                  |
| 10:4   | 130-7125    | 2    | Clamp, T-Bolt          | 14:1:1 | 100-6989    | 1    | O-Ring                           |
| 11     | 132-4295    | 1    | Supply Hose ASM        | 14:2   | 117-7982    | 1    | Hosebarb ASM                     |
| 11:2   | 106-4932    | 1    | Hosebarb-Straight      | 14:2:2 | 100-8637    | 1    | O-Ring                           |
| 11:2:1 | 100-8637    | 1    | O-Ring                 | 14:3   | 127-8981    | 1    | Hose-Suction, Upper              |
| 11:3   | 2412-3      | 2    | Clamp-Hose             | 14:5   | 130-7125    | 2    | Clamp, T-Bolt                    |
| 11:4   | 127-1142    | 1    | Fitting-STR            |        |             |      |                                  |



## Spray System Hose Assembly (continued)

| Ref.   | Part Number | Qty. | Description          |
|--------|-------------|------|----------------------|
| 16     | 132-4298    | 3    | Left Boom Hose ASM   |
| 16:2   | 127-9807    | 1    | Straight Fitting Kit |
| 16:2:1 | 133-0398    | 1    | Pin-Fork             |
| 16:3   | 2412-129    | 1    | Clamp-Hose           |
| 20     | 3256-61     | 2    | Washer-Flat          |
| 21     | 32144-32    | 2    | Screw-PPH            |

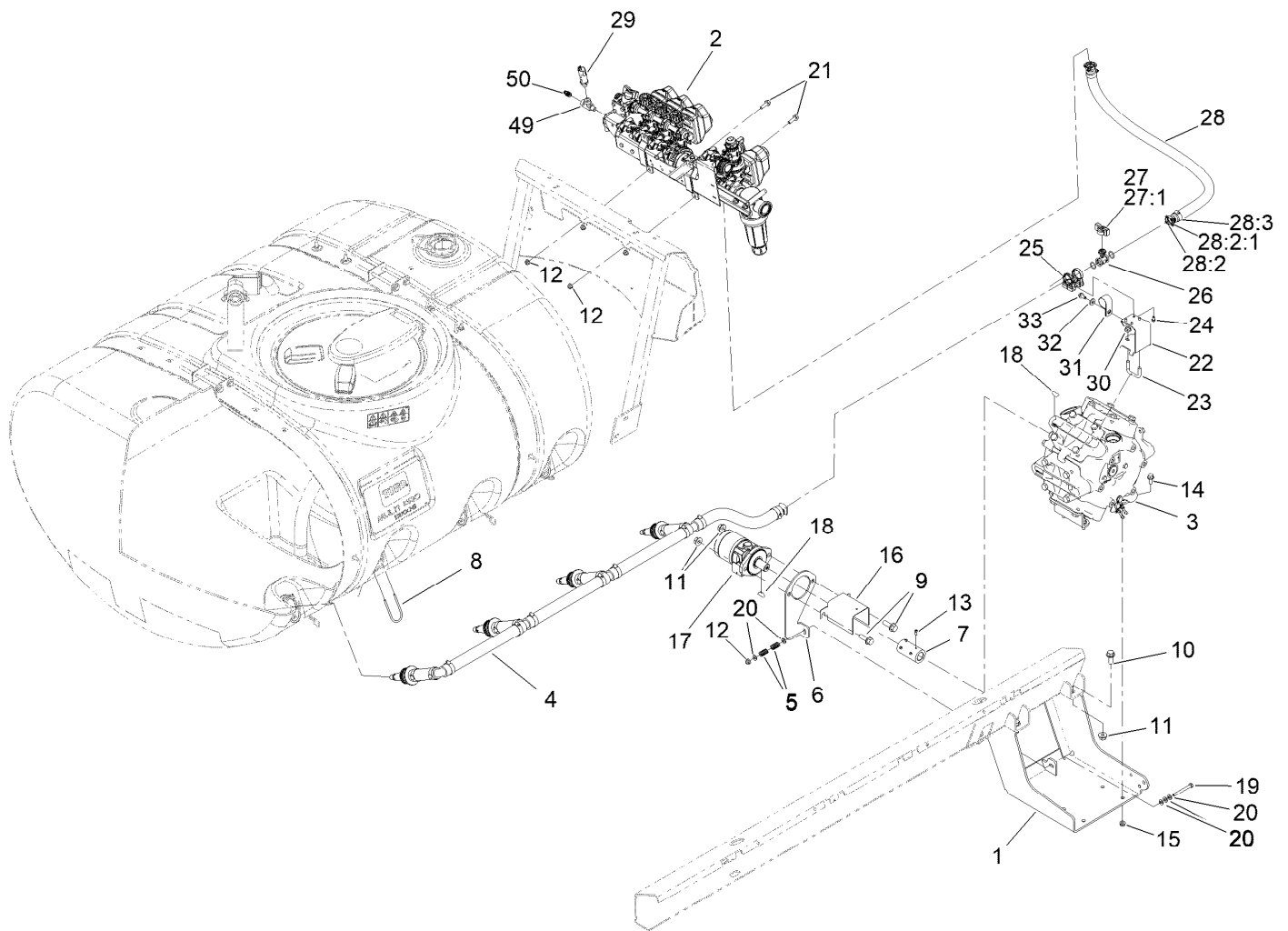
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 22   | 127-9829    | 2    | Clamp/Gasket Kit  |
| 22:2 | 127-1145    | 1    | Gasket-Flange     |
| 23   | 133-2882    | 1    | O-Ring            |
| 24   | 133-2884    | 1    | O-Ring            |
| 25   | 107-8650    | 2    | Conduit-Convolutd |
| 26   | 3290-378    | 5    | Tie-Cable         |



## Spray Pump and Valve Assembly

| Ref. | Part Number | Qty. | Description            | Ref.   | Part Number | Qty. | Description                     |
|------|-------------|------|------------------------|--------|-------------|------|---------------------------------|
| 1    | 117-0655-03 | 1    | Bracket-Pump           | 19     | 322-14      | 1    | Screw-HH                        |
| 2    |             | 1    | Manifold ASM, Mp5800 ● | 20     | 3256-23     | 5    | Washer-Plain                    |
| 3    | 145-3382    | 1    | Pump ASM               | 21     | 3234-29     | 5    | Screw-HHF                       |
| 4    | 139-3093    | 1    | Agitation Hose ASM     | 22     | 136-0376-03 | 1    | Bracket-Valve, Agitation        |
| 5    | 110-5331    | 2    | Spring-Compression     | 23     | 107-3073    | 1    | U-Bolt                          |
| 6    | 117-8040-03 | 1    | Plate-Mount, Motor     | 24     | 33113-012   | 4    | Screw-HH                        |
| 7    | 117-8045    | 1    | Coupler                | 25     | 132-4302    | 1    | Mount-Valve                     |
| 8    | 100-8635    | 4    | Fork                   | 26     | 131-0249    | 1    | On/Off 2-Way Valve Kit          |
| 9    | 100-6116    | 2    | Screw-HHF              | 27     | 131-0264    | 1    | Agitation Throttling Handle Kit |
| 10   | 110-5057    | 4    | Capscrew-HHF           | 27:1   | 131-0263    | 1    | Screw-Handle                    |
| 11   | 108-3745    | 6    | Nut-HHF, Whiz          | 28     | 132-4310    | 1    | Agitation Supply Hose ASM       |
| 12   | 104-8300    | 5    | Nut-HF, NI             | 28:2   | 127-9806    | 2    | Fitting Kit                     |
| 13   | 3241-7      | 4    | Screw-SQH              | 28:2:1 | 133-0398    | 1    | Pin-Fork                        |
| 14   | 3234-11     | 4    | Screw-HHF              | 28:3   | 2412-34     | 2    | Clamp-Hose                      |
| 15   | 3290-357    | 4    | Nut-HSF                | 29     | 130-8202    | 1    | Transducer-Pressure             |
| 16   | 120-0628-03 | 1    | Guard-Shaft, Pump      | 30     | 104-8301    | 2    | Nut-HF, NI                      |
| 17   | 117-0706    | 1    | HYD Motor ASM          | 31     | 2412-82     | 1    | Clamp-R                         |
| 18   | 106-1990    | 1    | Key-Woodruff           |        |             |      |                                 |

● Not serviced separately

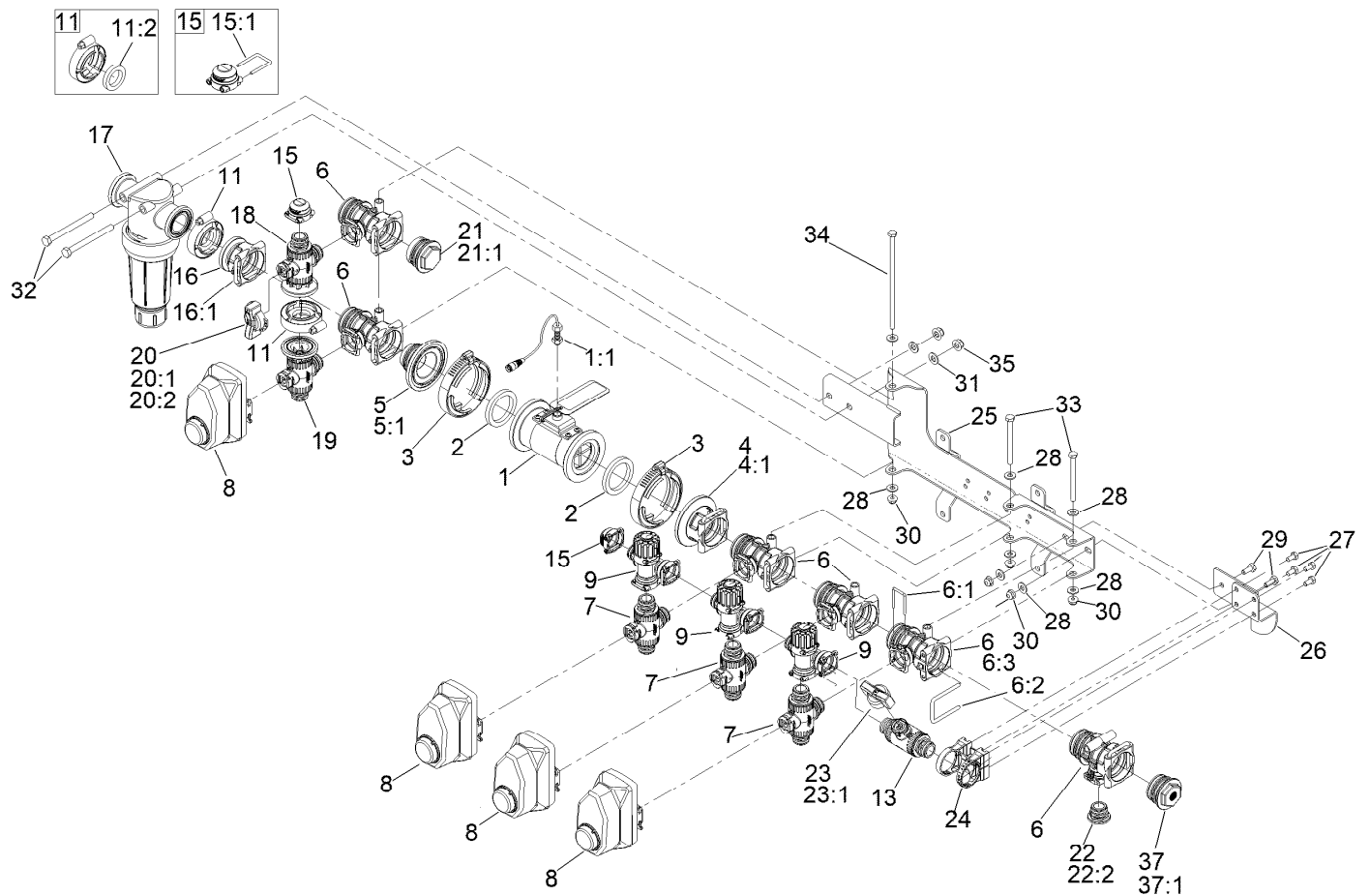


## Spray Pump and Valve Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 32   | 3256-3      | 1    | Washer-Flat |
| 33   | 32104-32    | 1    | Screw-HWH   |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 49   | 2815-16     | 1    | Fitting-HYD, Tee |
| 50   | 100-8674    | 1    | Coupler-Tube     |

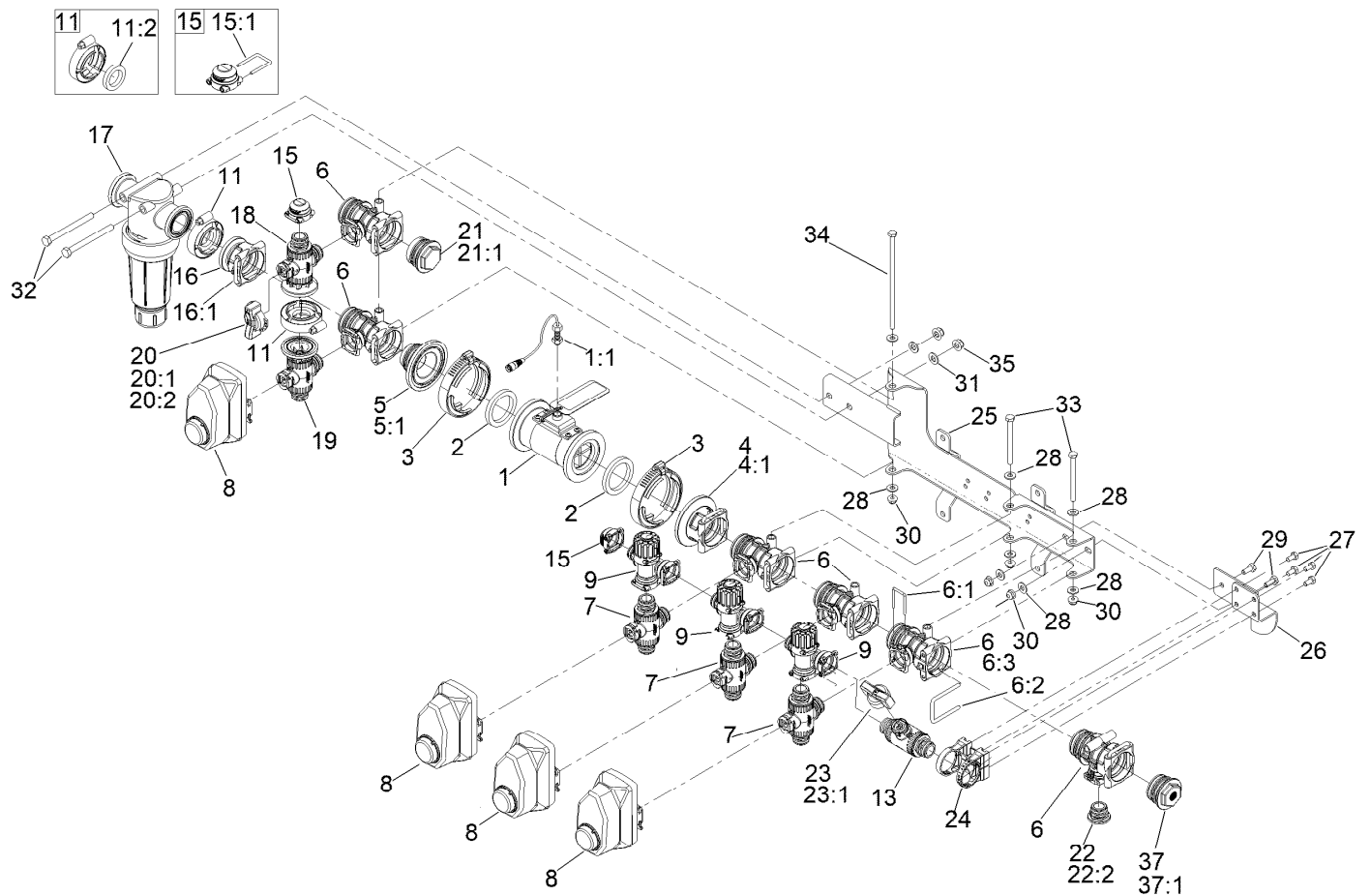
● Not serviced separately



## Manifold Assembly

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 147-4730    | 1    | Flow Meter ASM                |
| 1:1  | 147-4733    | 1    | Sensor - Flow Meter, Fm270Plf |
| 2    | 104-9090    | 2    | Gasket                        |
| 3    | 104-9089    | 2    | Clamp-Screw, Worm             |
| 4    | 147-3197    | 1    | Kit Qf, Flange-M200 Female    |
| 4:1  | 147-3186    | 1    | Pin-Fork, Qf Large            |
| 5    | 147-3198    | 1    | Kit Qf, Flange-M200 Male      |
| 5:1  | 147-3188    | 1    | Seal-Manifold, Qf Series      |
| 6    | 147-3187    | 6    | Kit-Qf, Manifold Tee          |
| 6:1  | 147-3185    | 1    | Pin-Fork, Qf Small            |
| 6:2  | 147-3186    | 1    | Pin-Fork, Qf Large            |
| 6:3  | 147-3188    | 1    | Seal-Manifold, Qf Series      |
| 7    | 147-3183    | 3    | Kit-Tx2 - 3Way Manifold       |
| 8    | 140-7377    | 4    | Kit-Actuator Pi, On/Off       |
| 9    | 127-9805    | 3    | Bypass Valve ASM              |
| 11   | 127-9829    | 2    | Clamp/Gasket Kit              |
| 11:2 | 127-1145    | 1    | Gasket-Flange                 |
| 13   | 131-0249    | 2    | On/Off 2-Way Valve Kit        |
| 15   | 127-9811    | 2    | Fitting-Cap, Female           |
| 15:1 | 133-0398    | 1    | Pin-Fork                      |

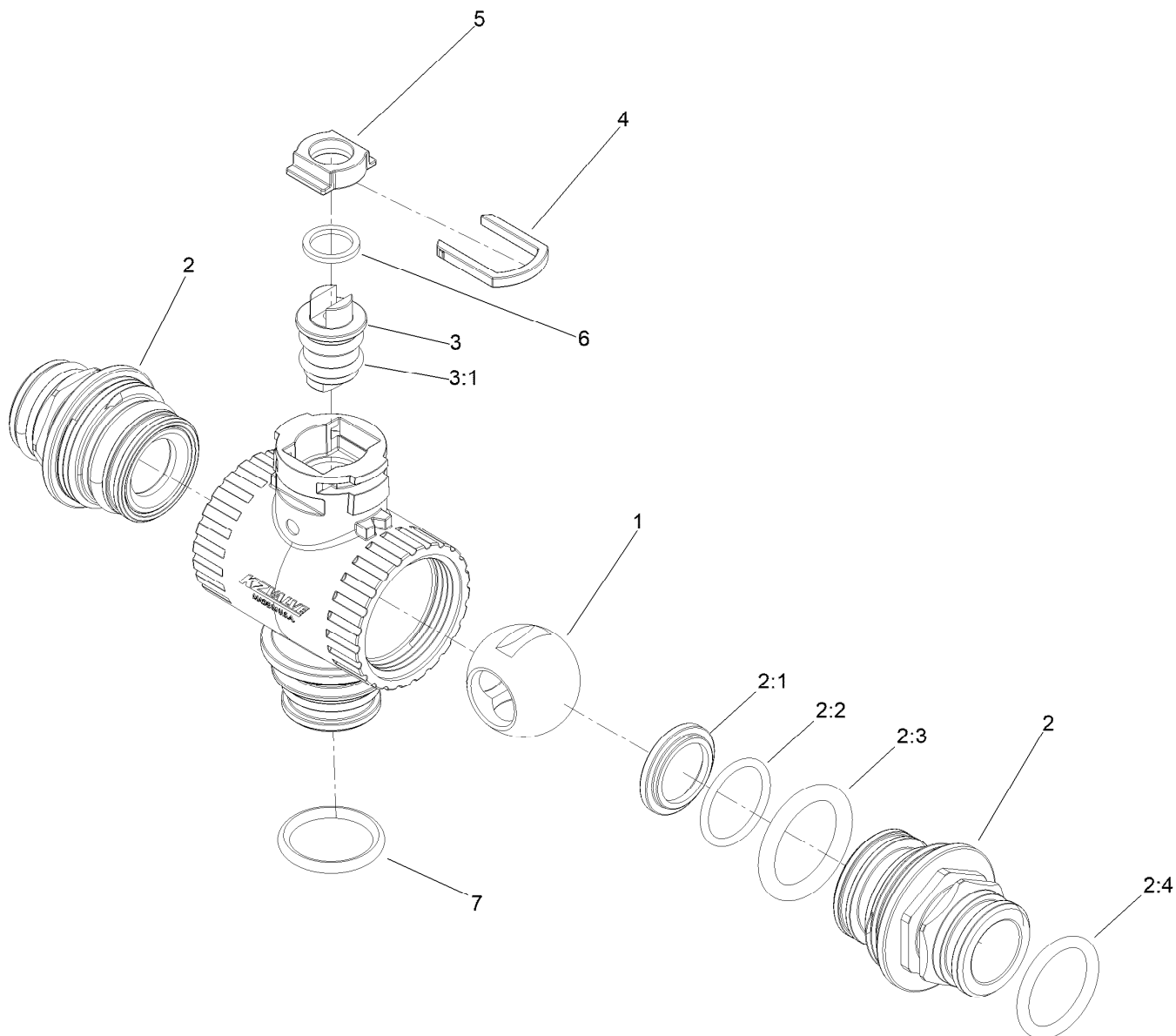
| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 16   | 147-3189    | 1    | Kit-Qf, Flange-M100 Female      |
| 16:1 | 147-3186    | 1    | Pin-Fork, Qf Large              |
| 17   | 131-3791    | 1    | Filter-Pressure                 |
| 18   | 161-4110    | 1    | Kit-Tx2 Manifold Valve, Reg     |
| 19   | 147-3192    | 1    | Kit-Tx2, 3Way Flange Manifold   |
| 20   | 131-0265    | 1    | Agitation Regulating Handle Kit |
| 20:1 | 131-0263    | 1    | Screw-Handle                    |
| 20:2 | 127-1197    | 1    | O-Ring-Stem                     |
| 21   | 147-3193    | 1    | Kit Qf, Plug-Male W/O Port      |
| 21:1 | 147-3188    | 1    | Seal-Manifold, Qf Series        |
| 22   | 127-9810    | 1    | Male Cap Fitting Kit            |
| 22:2 | 127-1187    | 1    | O-Ring, Endcap                  |
| 23   | 131-0267    | 1    | Bypass Handle Kit               |
| 23:1 | 131-0263    | 1    | Screw-Handle                    |
| 24   | 132-4302    | 1    | Mount-Valve                     |
| 25   | 147-4672    | 1    | Manifold ASM                    |
| 26   | 147-4667    | 1    | Support-Valve Shutoff           |
| 27   | 33113-012   | 4    | Screw-HH                        |
| 28   | 3256-22     | 8    | Washer-Flat                     |



## Manifold Assembly (continued)

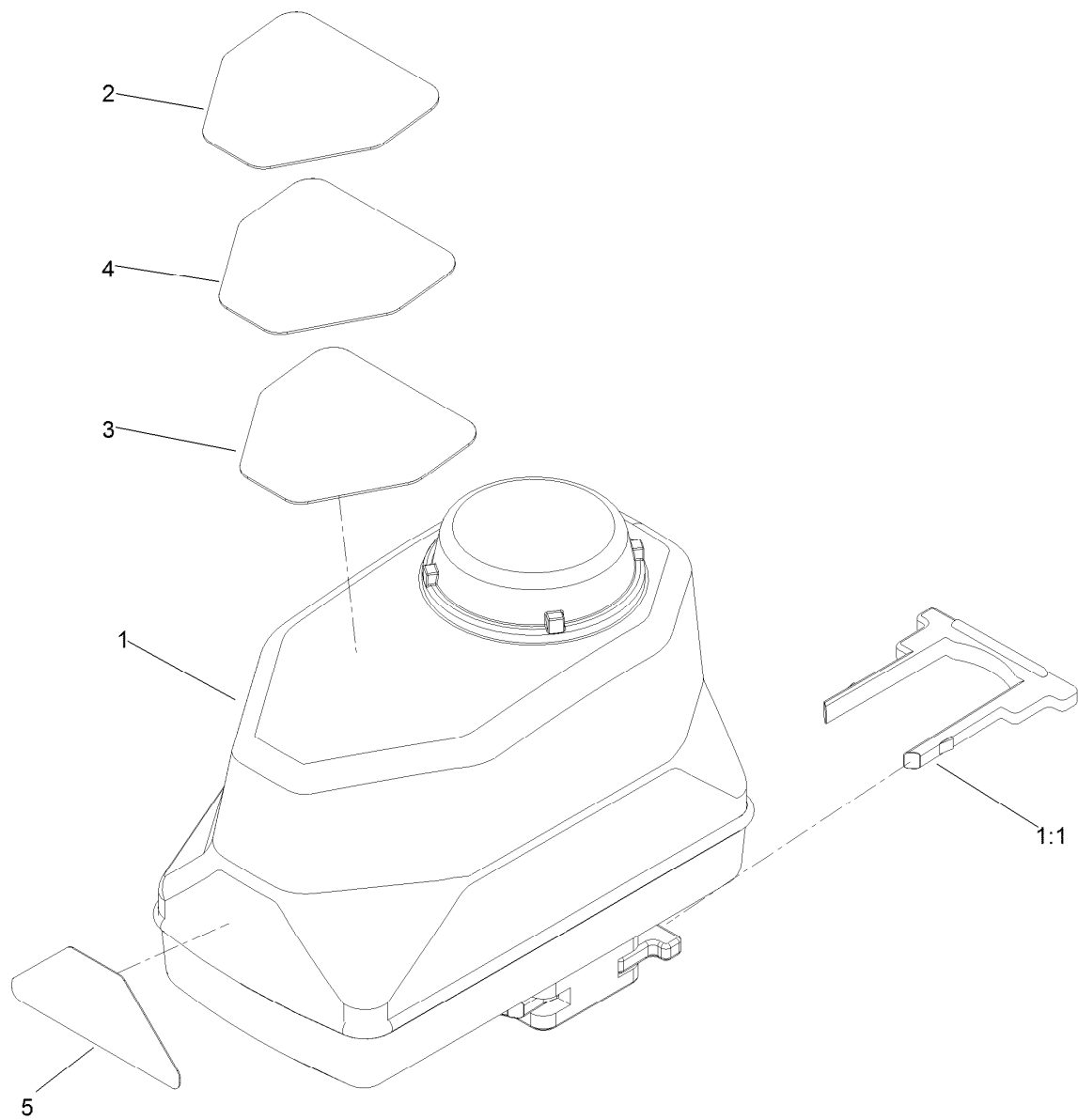
| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 29   | 321-3       | 2    | Screw-HH     |
| 30   | 104-7201    | 5    | Nut-HF, NI   |
| 31   | 3256-23     | 2    | Washer-Plain |
| 32   | 322-22      | 2    | Screw-HH     |
| 33   | 321-23      | 2    | Screw-HH     |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 34   | 161-4128    | 1    | Screw-HH                 |
| 35   | 104-8300    | 2    | Nut-HF, NI               |
| 37   | 161-4187    | 1    | Kit Qf, Plug-Male W/Port |
| 37:1 | 147-3188    | 1    | Seal-Manifold, Qf Series |



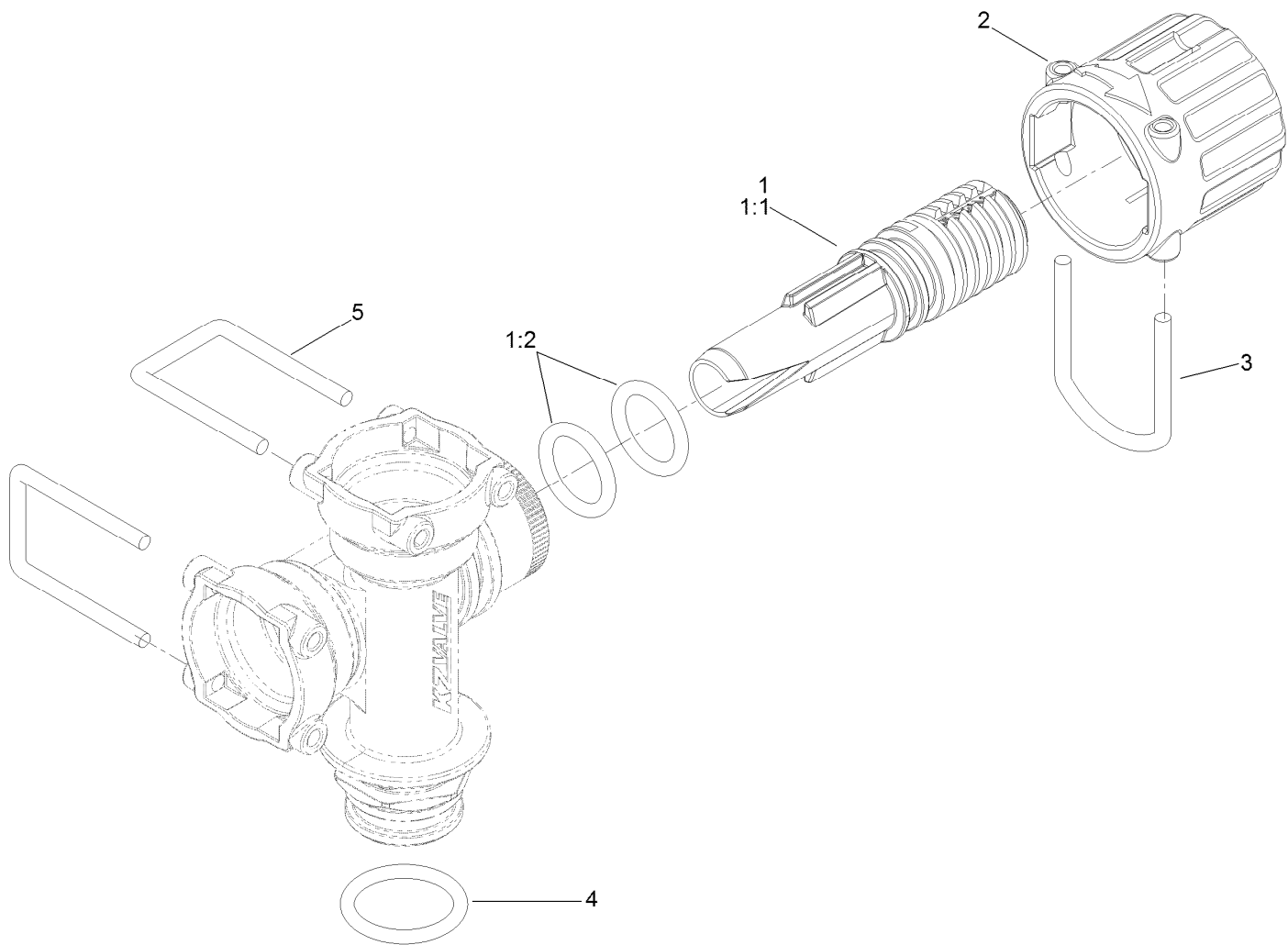
## 3-Way Valve Assembly No. 147-3183

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 127-1194    | 1    | Ball-Valve, 3Way    |
| 2    | 130-7317    | 2    | Endcap Kit          |
| 2:1  | 127-1192    | 1    | Seat-Ball           |
| 2:2  | 127-1188    | 1    | O-Ring, Seat (Ball) |
| 2:3  | 127-1189    | 1    | O-Ring, Endcap      |
| 2:4  | 127-1187    | 1    | O-Ring, Endcap      |
| 3    | 130-8248    | 1    | Vavle Stem Kit      |
| 3:1  | 127-1197    | 2    | O-Ring-Stem         |
| 4    | 127-1190    | 1    | Fork-Stem, Valve    |
| 5    | 127-1195    | 1    | Seat-Stem, Valve    |
| 6    | 127-1196    | 1    | Washer-Stem, Valve  |
| 7    | 127-1187    | 1    | O-Ring, Endcap      |



## Actuator On/Off Assembly No. 140-7377

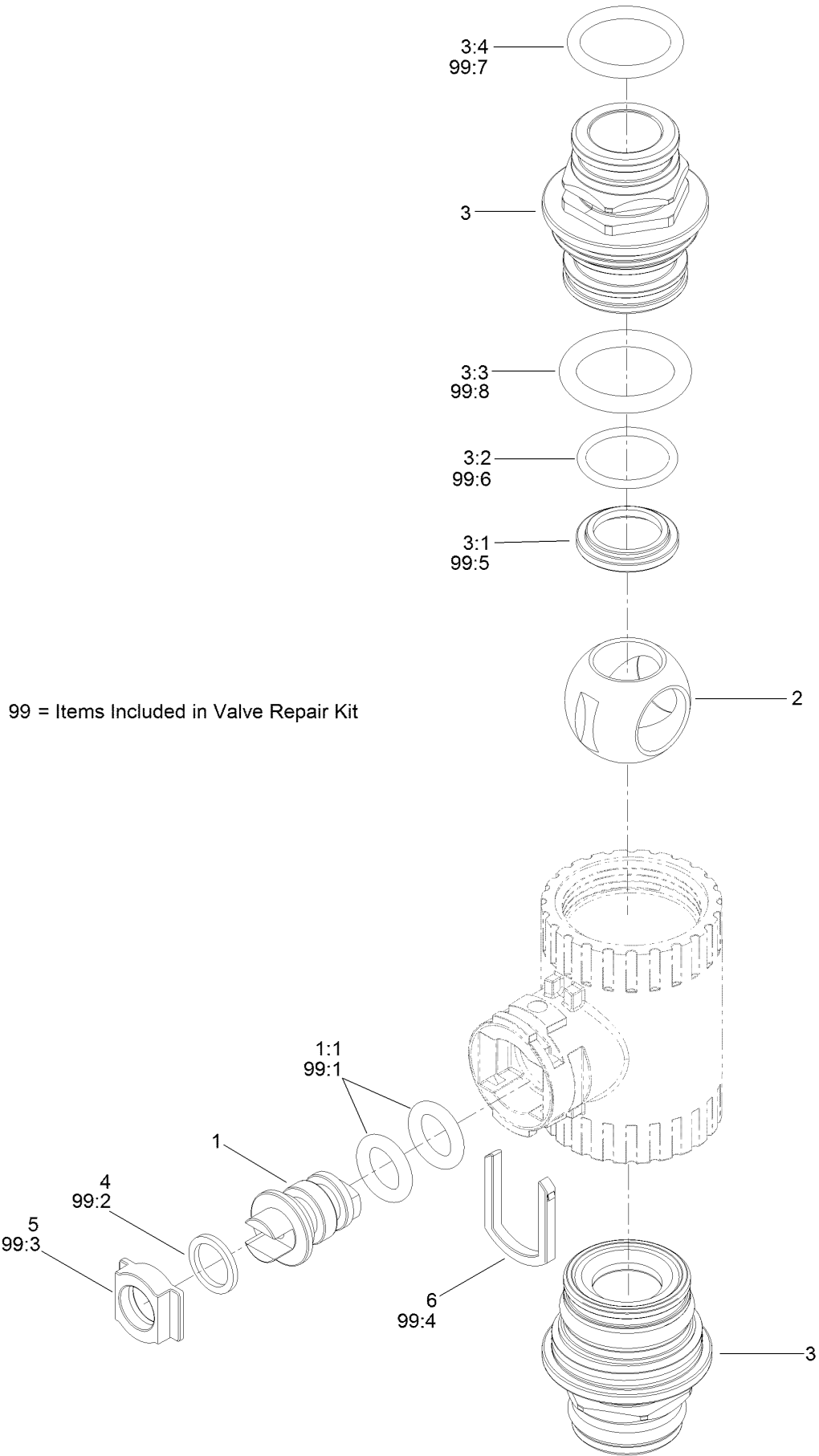
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 140-7315    | 1    | Actuator - On/Off          |
| 1:1  | 130-7301    | 1    | Hairpin-Actuator           |
| 2    | 127-6979    | 1    | Decal-Valve, Agitation     |
| 3    | 127-6981    | 1    | Decal-Valve, On/Off        |
| 4    | 127-6982    | 1    | Decal-Valve, Master Boom   |
| 5    | 127-6976    | 1    | Decal-Valve, Bypass Adjust |



## Bypass Valve Assembly No. 127-9805

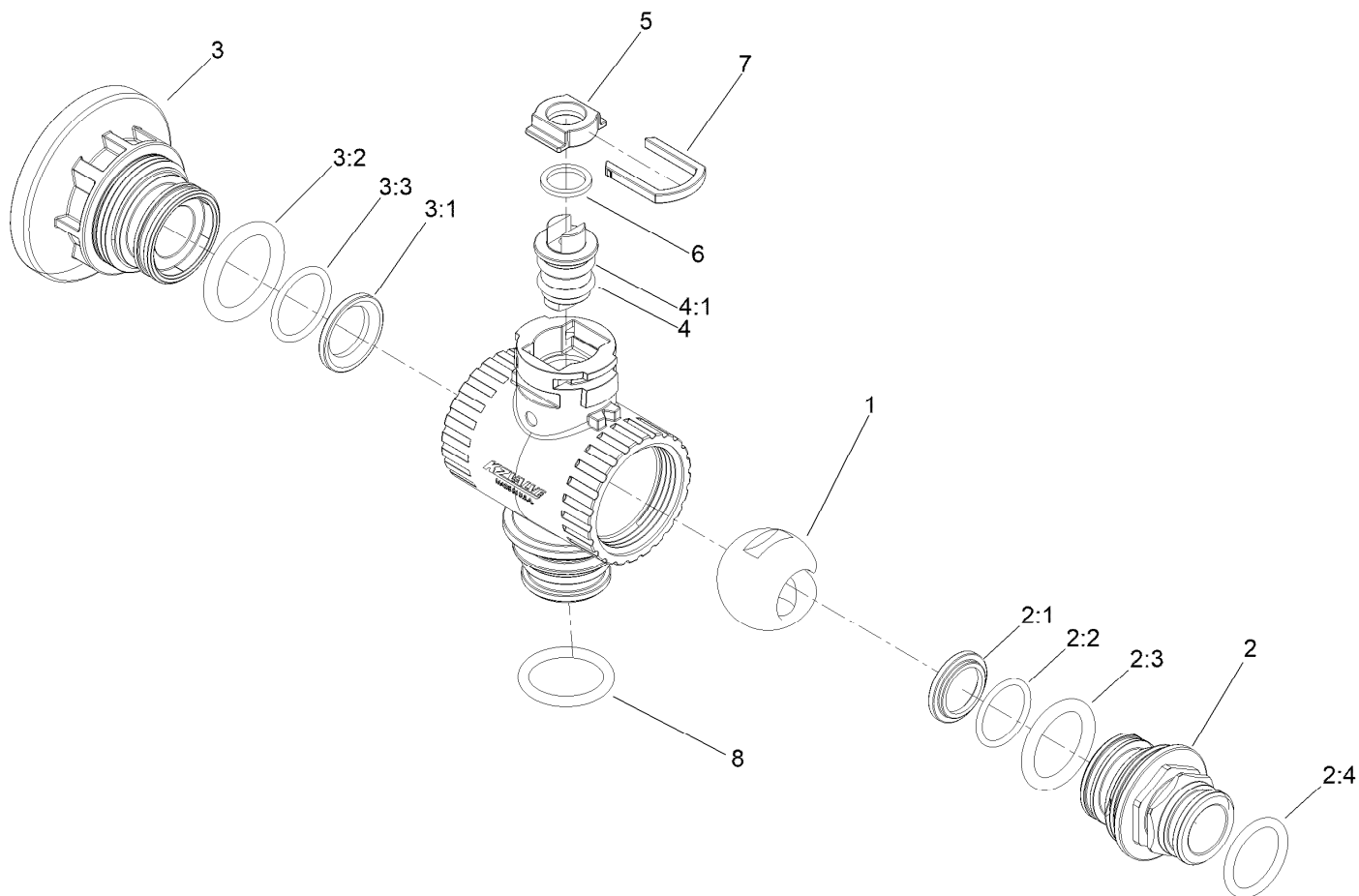
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 131-0298    | 1    | Bypass Needle Kit   |
| 1:1  | 127-1182    | 1    | Needle-Bypass       |
| 1:2  | 127-1181    | 2    | Oring-Bypass Needle |
| 2    | 127-1180    | 1    | Knob-Bypass         |
| 3    | 127-1179    | 1    | Fork-Bypass Knob    |
| 4    | 127-1187    | 1    | O-Ring, Endcap      |
| 5    | 133-0398    | 2    | Pin-Fork            |

# On/Off 2-Way Valve Kit No. 131-0249



## On/Off 2-Way Valve Kit No. 131-0249 (continued)

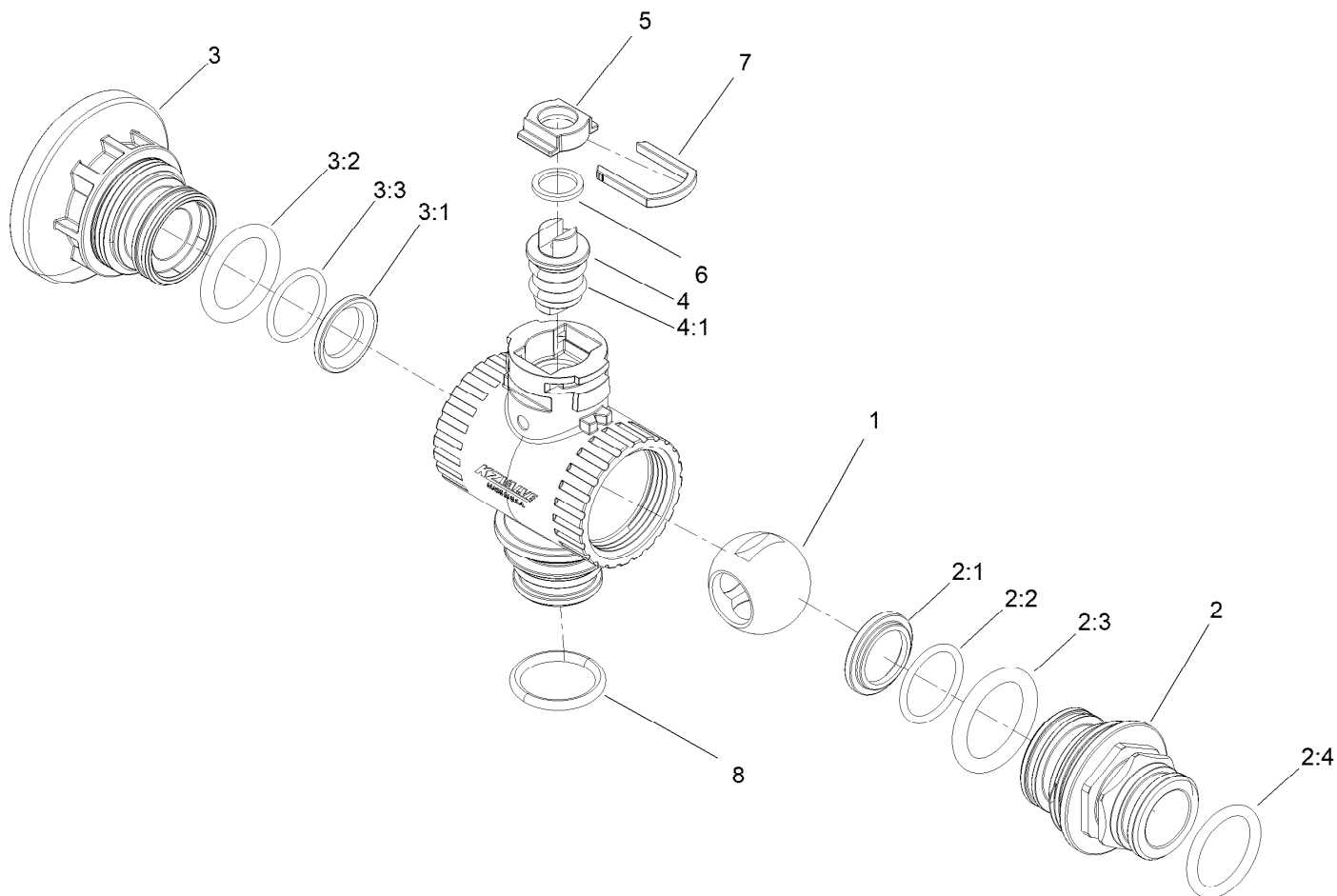
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|---------------------|
| 1           | 130-8248           | 1           | Vavle Stem Kit      | 6           | 127-1190           | 1           | Fork-Stem, Valve    |
| 1:1         | 127-1197           | 2           | O-Ring-Stem         | 99          | 130-7304           | 1           | Valve Repair Kit    |
| 2           | 131-0252           | 1           | Ball-2-Way          | 99:1        | 127-1197           | 2           | O-Ring-Stem         |
| 3           | 130-7317           | 2           | Endcap Kit          | 99:2        | 127-1196           | 2           | Washer-Stem, Valve  |
| 3:1         | 127-1192           | 1           | Seat-Ball           | 99:3        | 127-1195           | 1           | Seat-Stem, Valve    |
| 3:2         | 127-1188           | 1           | O-Ring, Seat (Ball) | 99:4        | 127-1190           | 1           | Fork-Stem, Valve    |
| 3:3         | 127-1189           | 1           | O-Ring, Endcap      | 99:5        | 127-1192           | 2           | Seat-Ball           |
| 3:4         | 127-1187           | 1           | O-Ring, Endcap      | 99:6        | 127-1188           | 2           | O-Ring, Seat (Ball) |
| 4           | 127-1196           | 1           | Washer-Stem, Valve  | 99:7        | 127-1187           | 2           | O-Ring, Endcap      |
| 5           | 127-1195           | 1           | Seat-Stem, Valve    | 99:8        | 127-1189           | 2           | O-Ring, Endcap      |



## M100 Manifold Assembly No. 161-4110

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 127-1113    | 1    | Ball-V              |
| 2    | 130-7317    | 1    | Endcap Kit          |
| 2:1  | 127-1192    | 1    | Seat-Ball           |
| 2:2  | 127-1188    | 1    | O-Ring, Seat (Ball) |
| 2:3  | 127-1189    | 1    | O-Ring, Endcap      |
| 2:4  | 127-1187    | 1    | O-Ring, Endcap      |
| 3    | 130-8249    | 1    | Endcap Kit          |
| 3:1  | 127-1192    | 1    | Seat-Ball           |

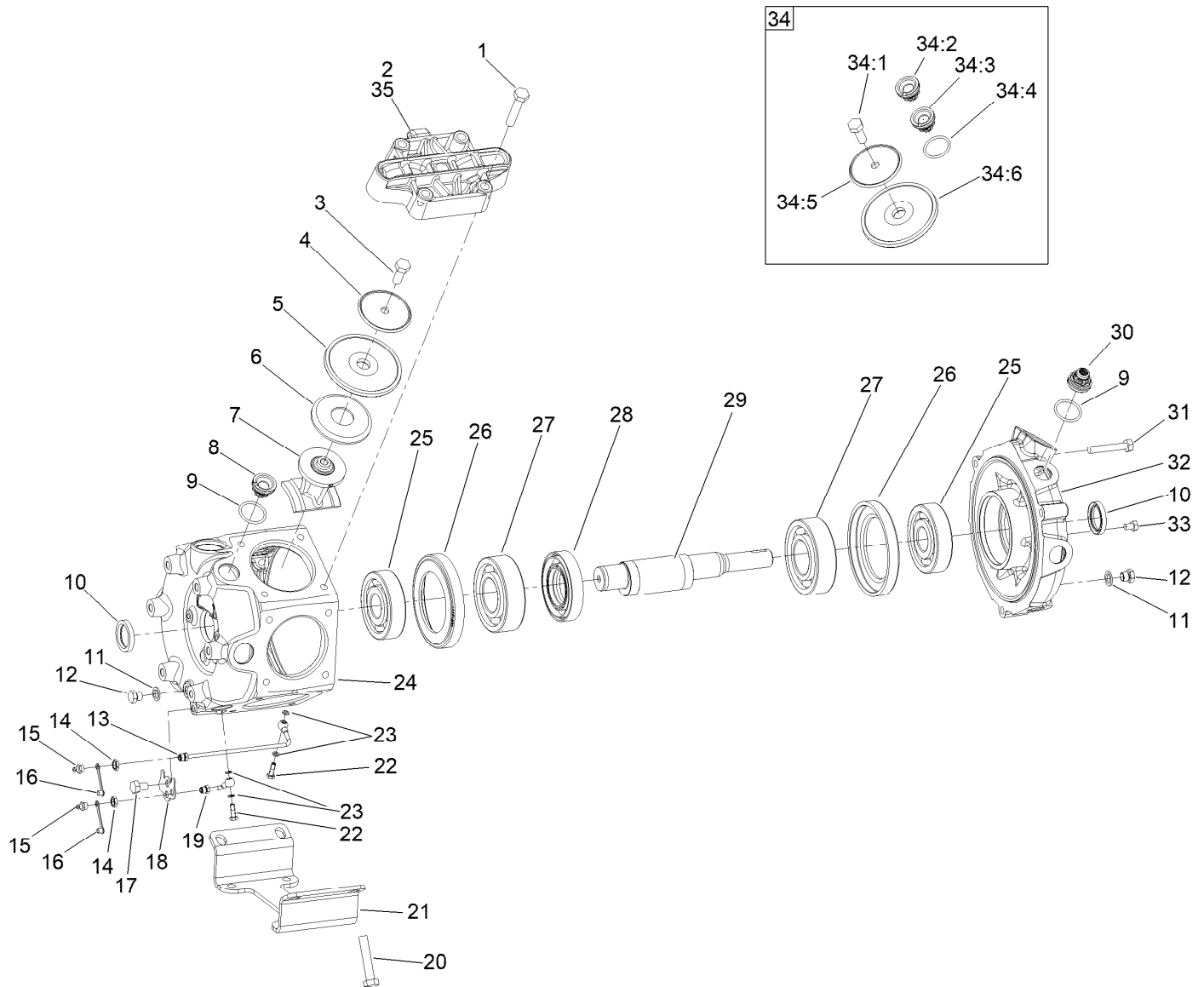
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 3:2  | 127-1188    | 1    | O-Ring, Seat (Ball) |
| 3:3  | 127-1189    | 1    | O-Ring, Endcap      |
| 4    | 130-8248    | 1    | Valve Stem Kit      |
| 4:1  | 127-1197    | 2    | O-Ring-Stem         |
| 5    | 127-1195    | 1    | Seat-Stem, Valve    |
| 6    | 127-1196    | 1    | Washer-Stem, Valve  |
| 7    | 127-1190    | 1    | Fork-Stem, Valve    |
| 8    | 127-1187    | 1    | O-Ring, Endcap      |



## 3-Way Flange Manifold Assembly No. 147-3192

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 127-1194    | 1    | Ball-Valve, 3Way    |
| 2    | 130-7317    | 1    | Endcap Kit          |
| 2:1  | 127-1192    | 1    | Seat-Ball           |
| 2:2  | 127-1188    | 1    | O-Ring, Seat (Ball) |
| 2:3  | 127-1189    | 1    | O-Ring, Endcap      |
| 2:4  | 127-1187    | 1    | O-Ring, Endcap      |
| 3    | 130-8249    | 1    | Endcap Kit          |
| 3:1  | 127-1192    | 1    | Seat-Ball           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 3:2  | 127-1188    | 1    | O-Ring, Seat (Ball) |
| 3:3  | 127-1189    | 1    | O-Ring, Endcap      |
| 4    | 130-8248    | 1    | Valve Stem Kit      |
| 4:1  | 127-1197    | 2    | O-Ring-Stem         |
| 5    | 127-1195    | 1    | Seat-Stem, Valve    |
| 6    | 127-1196    | 1    | Washer-Stem, Valve  |
| 7    | 127-1190    | 1    | Fork-Stem, Valve    |
| 8    | 127-1187    | 1    | O-Ring, Endcap      |

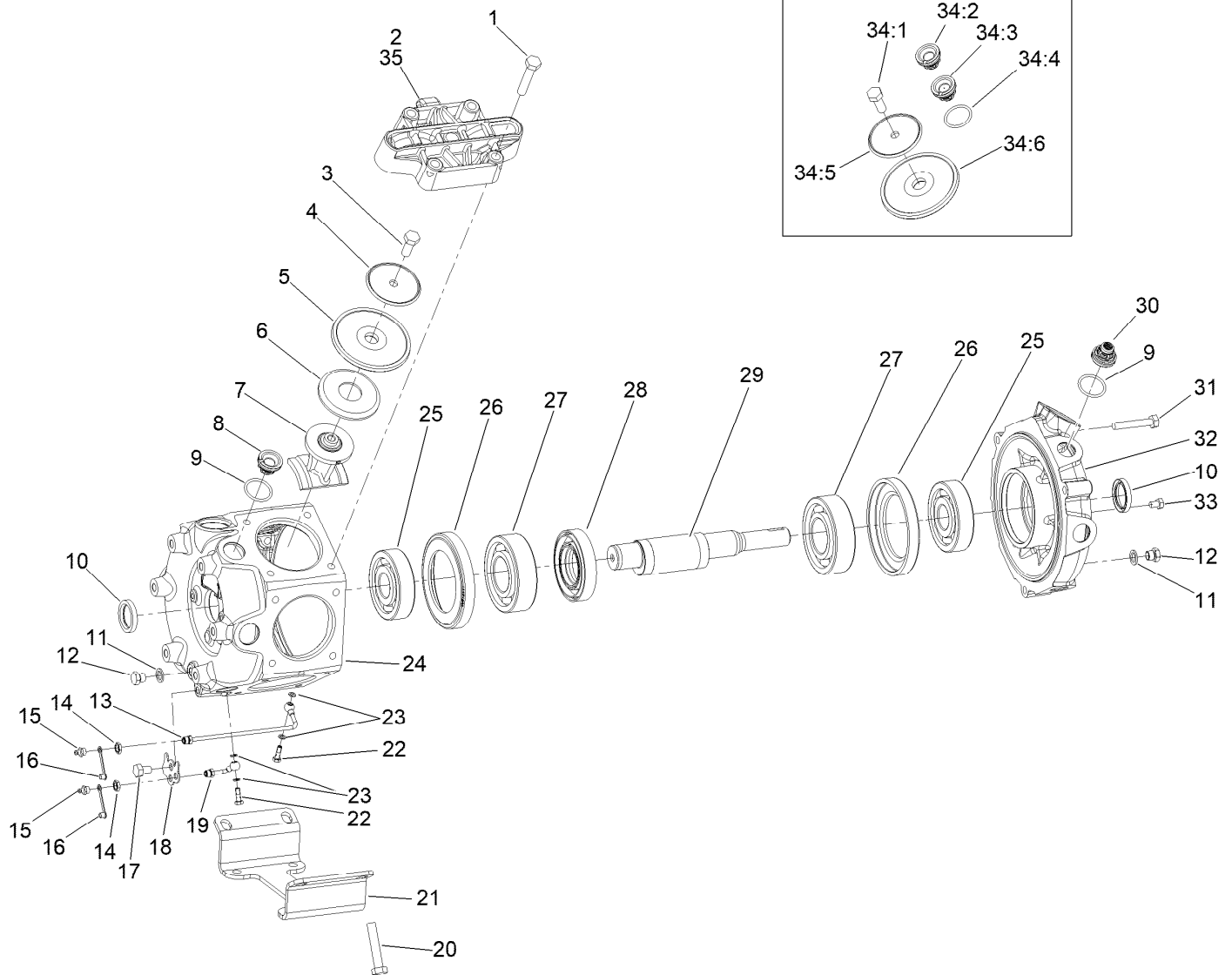
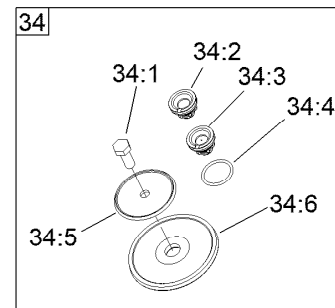


## Pump Assembly No. 145-3382

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 120-0773    | 20   | Bolt-Hex                  |
| 2    |             | 6    | Cover-Pump ●              |
| 3    | 120-0777    | 6    | Bolt-Hex                  |
| 4    | 120-0778    | 6    | Disc-Diaphragm            |
| 5    | 120-0779    | 6    | Diaphragm                 |
| 6    | 120-0780    | 6    | Disc-Backing, Diaphragm   |
| 7    | 120-0781    | 6    | Rod-Connecting            |
| 8    | 99-0861     | 10   | Valve-Pump                |
| 9    | 100-6651    | 12   | O-Ring                    |
| 10   | 120-0783    | 2    | Seal-Oil                  |
| 11   | 120-0786    | 2    | Seal                      |
| 12   | 120-0785    | 2    | Plug                      |
| 13   | 133-2877    | 1    | Tube-Banjo, Long          |
| 14   | 133-2878    | 2    | Nut                       |
| 15   | 133-2879    | 2    | Nipple-Grease             |
| 16   | 133-2880    | 2    | Cap-Grease Nipple, Yellow |
| 17   | 136-2252    | 1    | Bolt-Hex                  |
| 18   | 133-2875    | 1    | Plate-Nipple, Grease      |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 19   | 133-2876    | 1    | Tube-Banjo, Short   |
| 20   | 120-0774    | 4    | Bolt-Hex            |
| 21   | 120-0787    | 1    | Foot-Pump           |
| 22   | 133-2830    | 2    | Bolt-Banjo          |
| 23   | 136-2251    | 4    | Gasket              |
| 24   | 133-2821    | 1    | Housing-Pump, Main  |
| 25   | 120-0788    | 2    | Bearing-Ball        |
| 26   | 133-2820    | 2    | Spacer-Metal        |
| 27   | 120-0791    | 2    | Bearing-Ball        |
| 28   | 133-2827    | 1    | Distance Ring       |
| 29   | 133-2825    | 1    | Shaft-Crank         |
| 30   | 120-0793    | 2    | Valve W/Hole        |
| 31   | 120-0794    | 3    | Bolt-Hex            |
| 32   | 133-2822    | 1    | Housing-Pump, Front |
| 33   | 120-0784    | 4    | Bolt-Hex            |
| 34   | 120-0796    | 1    | Pump Kit            |
| 34:1 | 120-0777    | 6    | Bolt-Hex            |
| 34:2 | 99-0861     | 10   | Valve-Pump          |

● Not serviced separately

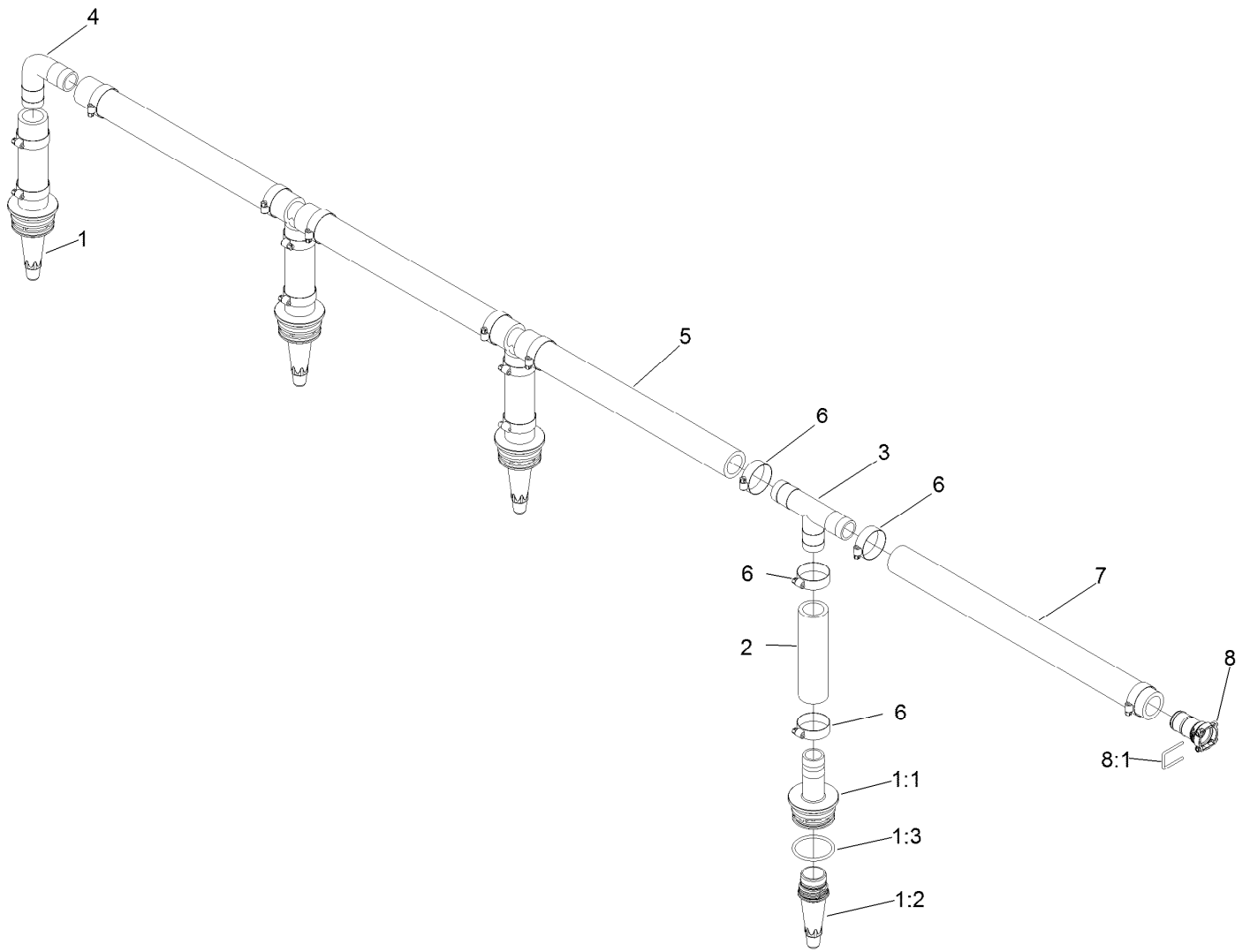


## Pump Assembly No. 145-3382 (continued)

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 34:3 | 120-0793    | 2    | Valve W/Hole   |
| 34:4 | 100-6651    | 12   | O-Ring         |
| 34:5 | 120-0778    | 6    | Disc-Diaphragm |

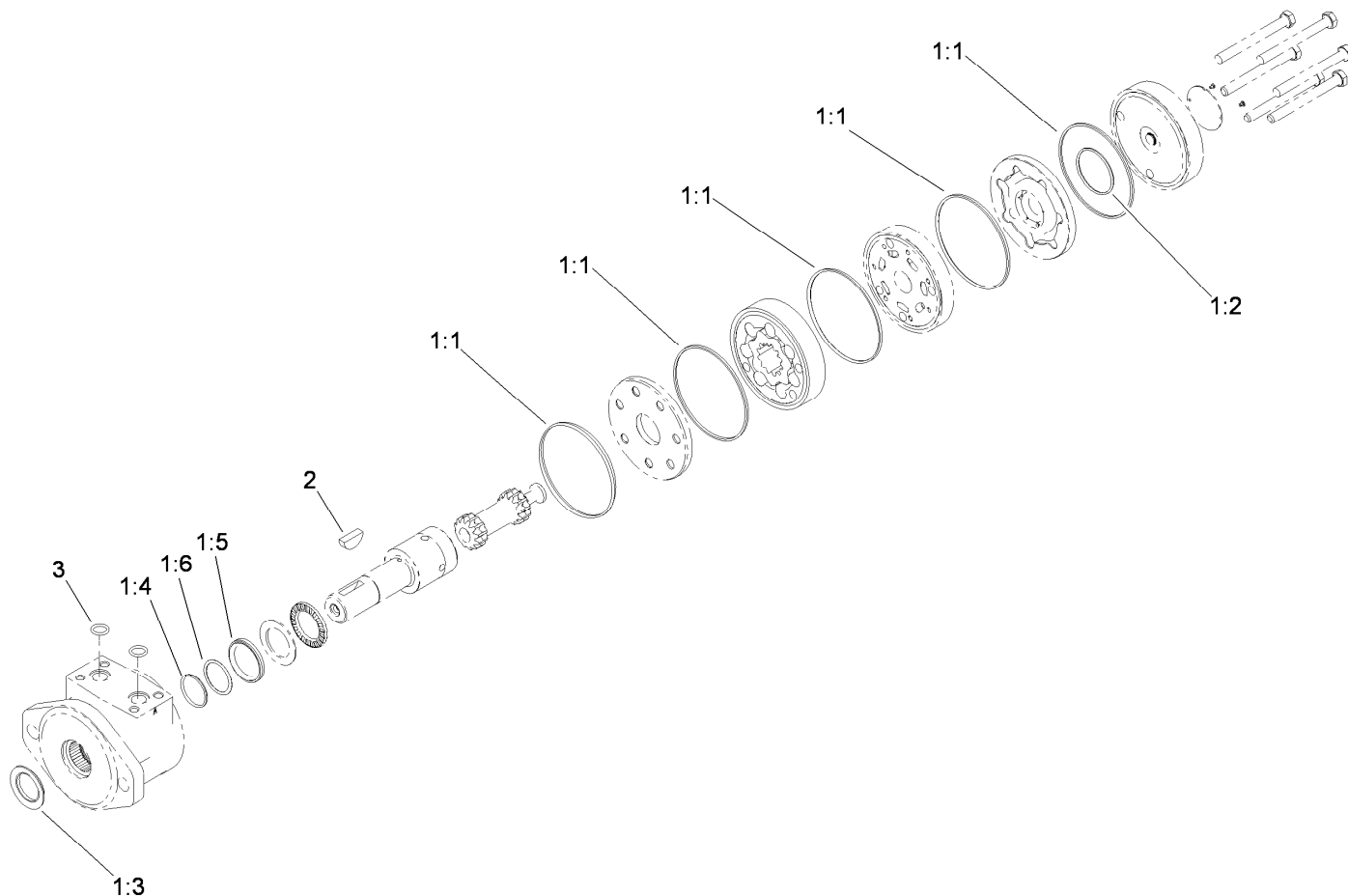
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 34:6 | 120-0779    | 6    | Diaphragm     |
| 35   | 145-3399    | 1    | Pump Head Kit |

● Not serviced separately



## Agitation Hose Assembly No. 139-3093

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 131-3731    | 4    | Agitation Nozzle ASM |
| 1:1  | 131-3732    | 1    | Fitting-Barb         |
| 1:2  | 120-8579    | 1    | Nozzle-Agitation     |
| 1:3  | 121-4996    | 1    | O-Ring               |
| 2    | 119-0441    | 4    | Hose-Agitaiton       |
| 3    | 117-7866    | 3    | Tee-Hosebarb         |
| 4    | 117-7867    | 1    | Elbow-Hosebarb       |
| 5    | 117-7862    | 3    | Hose-Main Agitation  |
| 6    | 2412-34     | 16   | Clamp-Hose           |
| 7    | 137-4181    | 1    | Hose-Agitation       |
| 8    | 127-9806    | 1    | Fitting Kit          |
| 8:1  | 133-0398    | 1    | Pin-Fork             |

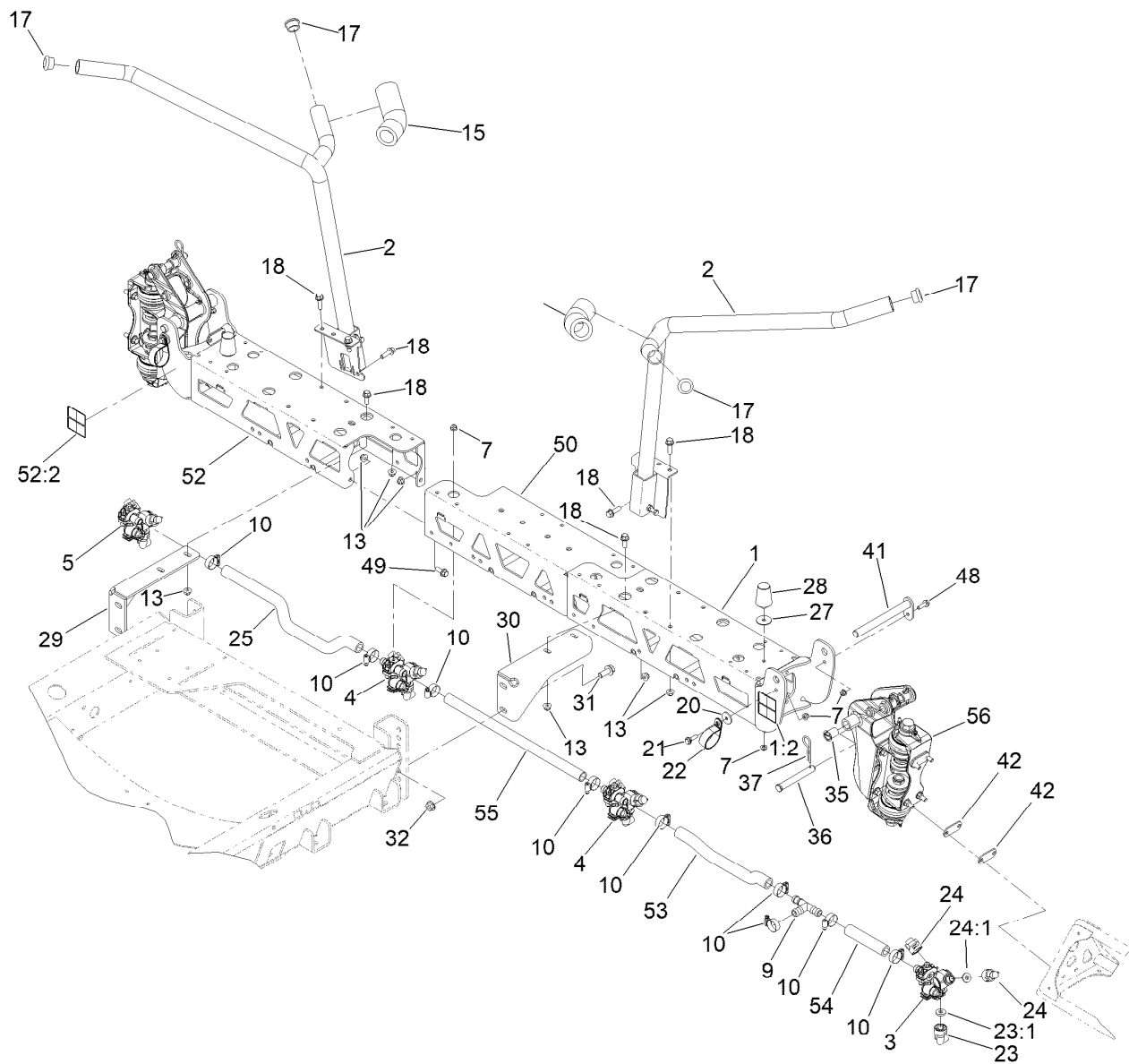


## Hydraulic Motor Assembly No. 117-0706

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 119-0433    | 1    | Wheel Motor Seal Kit ● |
| 1:1  |             | 5    | Seal-Ring ■            |
| 1:2  |             | 1    | Seal-Commutator ■      |
| 1:3  |             | 1    | Seal-Dirt And Water ■  |
| 1:4  |             | 1    | Ring-Backing ■         |
| 1:5  |             | 1    | Seal-Shaft ■           |
| 1:6  |             | 1    | Washer-Backup ■        |
| 2    | 3257-8      | 1    | Key-Woodruff           |
| 3    | 120-0691    | 2    | O-Ring                 |

● Not illustrated

■ Not serviced separately



## Center Boom Assembly

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 136-0381    | 1    | Boom-LH                     |
| 1:2  | 120-0617    | 2    | Decal-Warning, Pinch, Crush |
| 2    | 161-4174    | 2    | Cradle ASM                  |
| 3    | 108-3725    | 1    | LH Single Body Turret ASM   |
| 4    | 108-3727    | 2    | Double Turret Body ASM      |
| 5    | 108-3726    | 1    | RH Single Body Turret ASM   |
| 7    | 104-8300    | 10   | Nut-HF, NI                  |
| 9    | 108-3439    | 1    | Tee                         |
| 10   | 2412-129    | 9    | Clamp-Hose                  |
| 13   | 104-8301    | 14   | Nut-HF, NI                  |
| 15   | 108-3457    | 2    | Spacer                      |
| 17   | 108-3489    | 4    | Cap-Tube                    |
| 18   | 110-5052    | 10   | Screw-HHF                   |
| 20   | 108-3743    | 2    | Washer                      |
| 21   | 108-3744    | 2    | Screw-Shoulder              |
| 22   | 114-9566    | 2    | Clamp-R                     |
| 23   | 95-9186     | 4    | Cap                         |

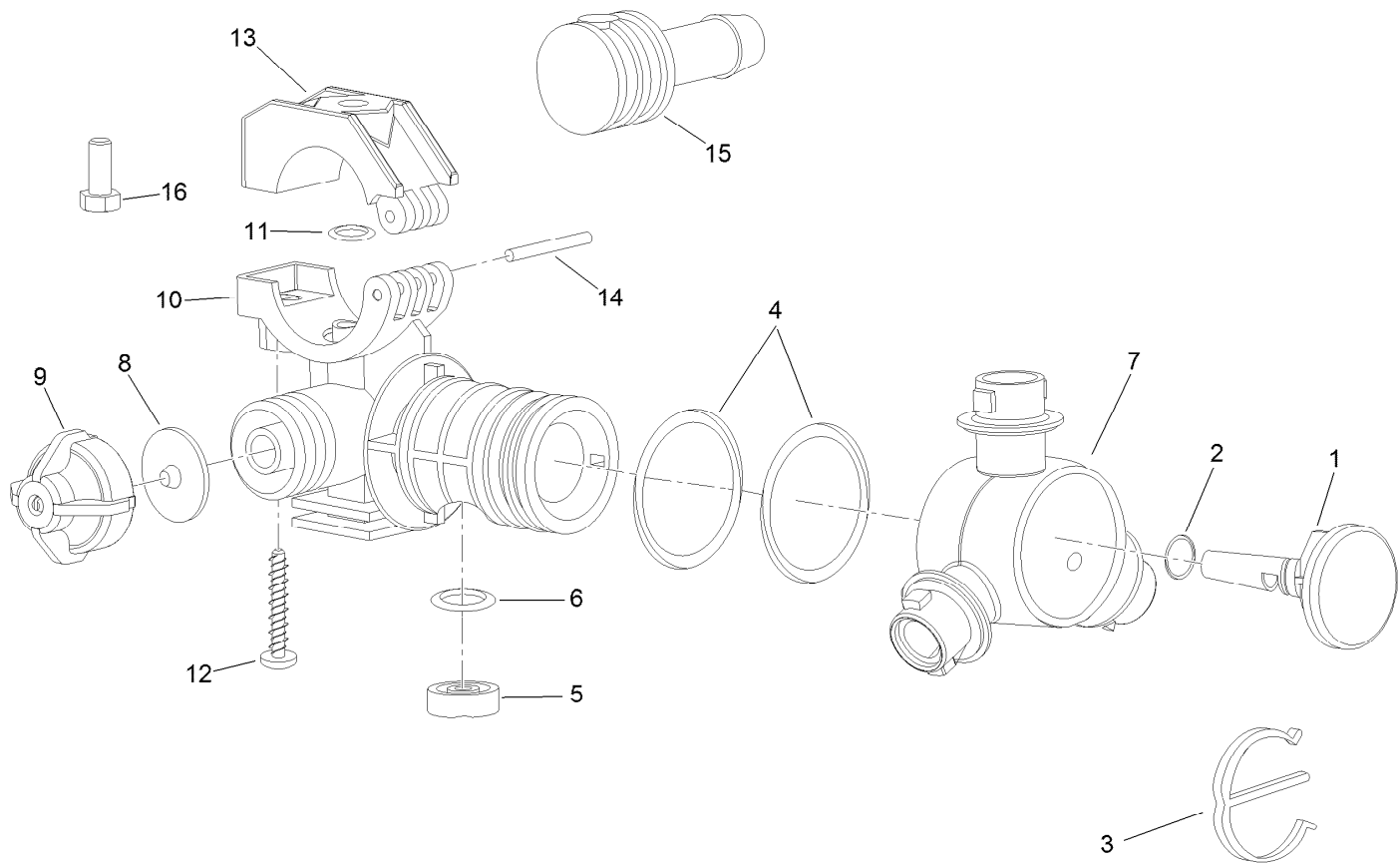
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 23:1 | 40998       | 1    | Seat-Gasket            |
| 24   | 95-9187     | 8    | Cap-Blank              |
| 24:1 | 40998       | 1    | Seat-Gasket            |
| 25   | 108-3735    | 1    | Hose-Boom, Center (LH) |
| 27   | 3256-68     | 2    | Washer-Flat            |
| 28   | 110-5070    | 2    | Bumper                 |
| 29   | 127-8955-03 | 1    | Mount-Boom             |
| 30   | 127-8956-03 | 1    | Mount-Boom             |
| 31   | 110-5057    | 4    | Capscrew-HHF           |
| 32   | 108-3745    | 4    | Nut-HHF, Whiz          |
| 35   | 100-8541    | 4    | Bushing-A Arm          |
| 36   | 108-3436    | 2    | Pin-Clevis             |
| 37   | 3290-468    | 2    | Pin-Cotter             |
| 41   | 108-3419    | 2    | Pivot Pin ASM          |
| 42   | 108-3605    | 8    | Plate-Backing          |
| 48   | 108-3748    | 2    | Screw-HHF              |
| 49   | 3234-42     | 4    | Screw-HHF              |
| 50   | 133-0412-03 | 1    | Center-Center, Boom    |

● Not serviced separately



| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>       |
|-------------|--------------------|-------------|--------------------------|
| 54          | 108-3728           | 1           | Hose-Boom                |
| 55          | 40506              | 1           | Hose-Jumper              |
| 56          |                    | 2           | Pivot Bracket Assembly ● |

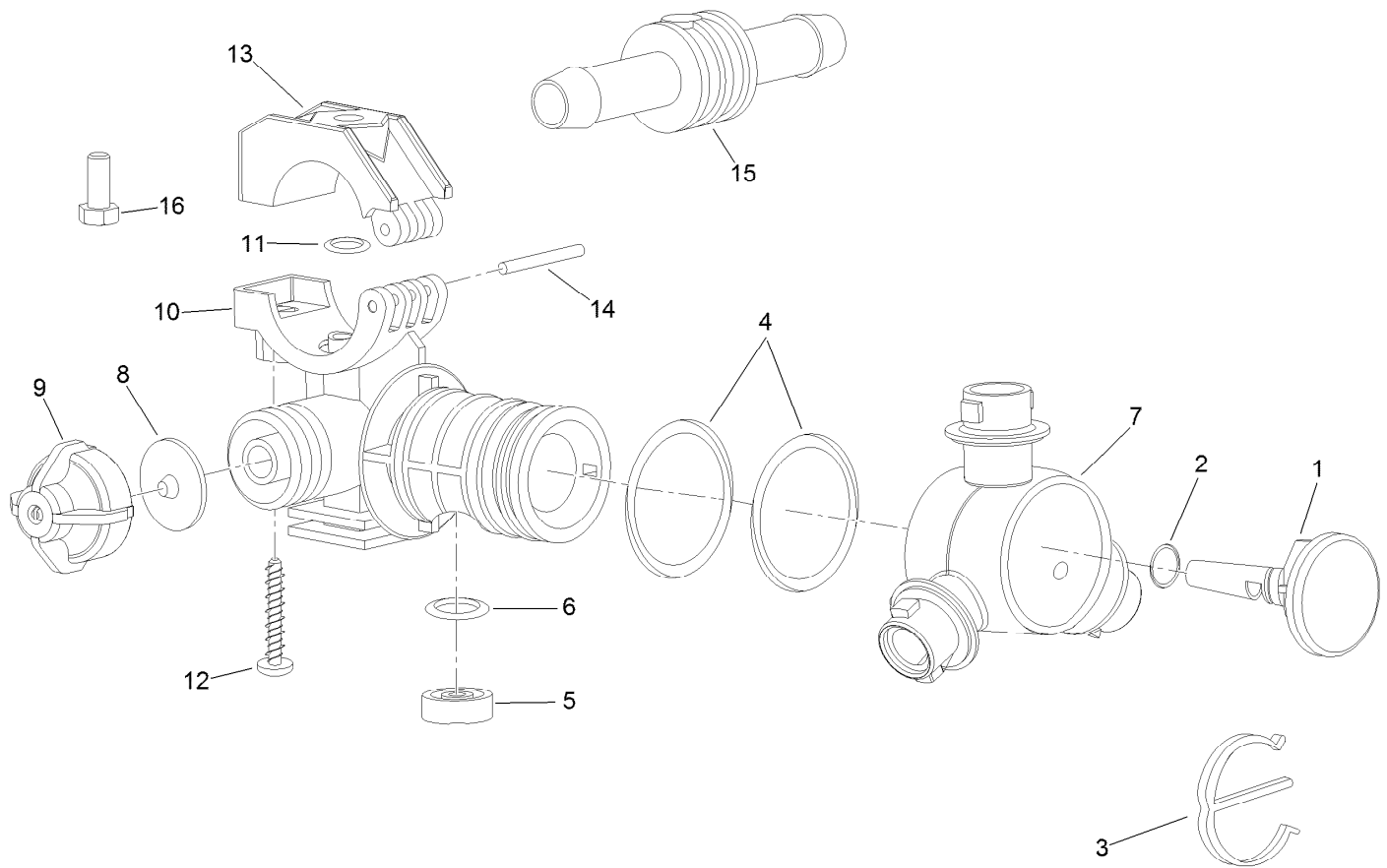
3471-358B



## LH Single Turret Body Assembly No. 108-3725

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 1    | 95-9200     | 1    | Plug         |
| 2    | 95-9198     | 1    | O-Ring       |
| 3    | 95-9197     | 1    | E-Clip       |
| 4    | 95-9199     | 2    | O-Ring       |
| 5    | 108-3264    | 1    | Seal-Viton   |
| 6    | 108-3265    | 1    | O-Ring-Viton |
| 7    | 95-9196     | 1    | Turret       |
| 8    | 41003       | 1    | Diaphragm    |

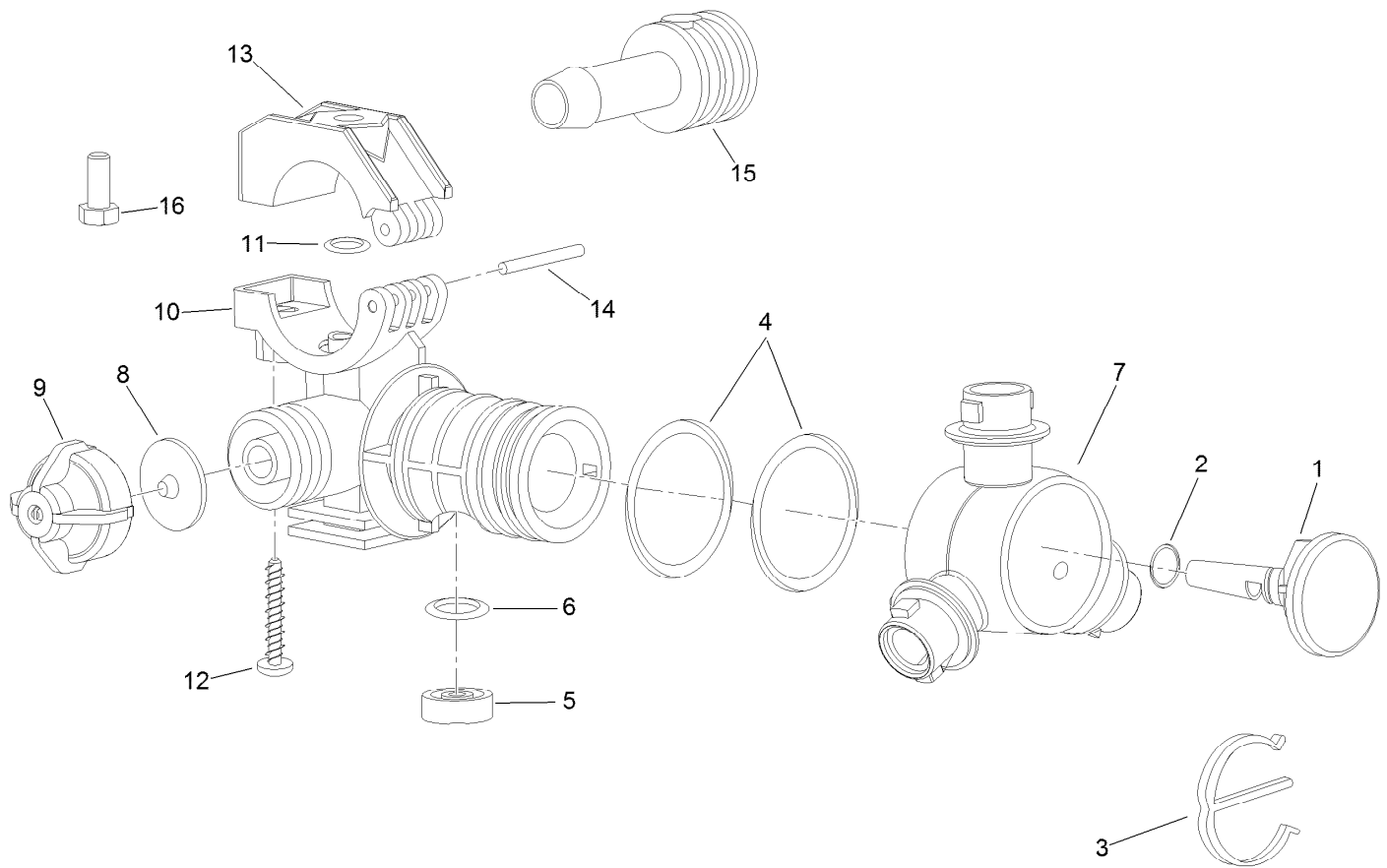
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 9    | 95-9193     | 1    | Cap-Diaphragm     |
| 10   | 95-9192     | 1    | Body-Split Eyelet |
| 11   | 95-9191     | 1    | O-Ring            |
| 12   | 99-0811     | 1    | Screw-Clamp       |
| 13   | 99-0812     | 1    | Clamp-Upper       |
| 14   | 99-0814     | 1    | Pin-Pivot         |
| 15   | 95-9201     | 1    | Shank-Hose        |
| 16   | 322-3       | 1    | Screw-HH          |



## Double Turret Body Assembly No. 108-3727

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 1    | 95-9200     | 1    | Plug         |
| 2    | 95-9198     | 1    | O-Ring       |
| 3    | 95-9197     | 1    | E-Clip       |
| 4    | 95-9199     | 2    | O-Ring       |
| 5    | 108-3264    | 1    | Seal-Viton   |
| 6    | 108-3265    | 1    | O-Ring-Viton |
| 7    | 95-9196     | 1    | Turret       |
| 8    | 41003       | 1    | Diaphragm    |

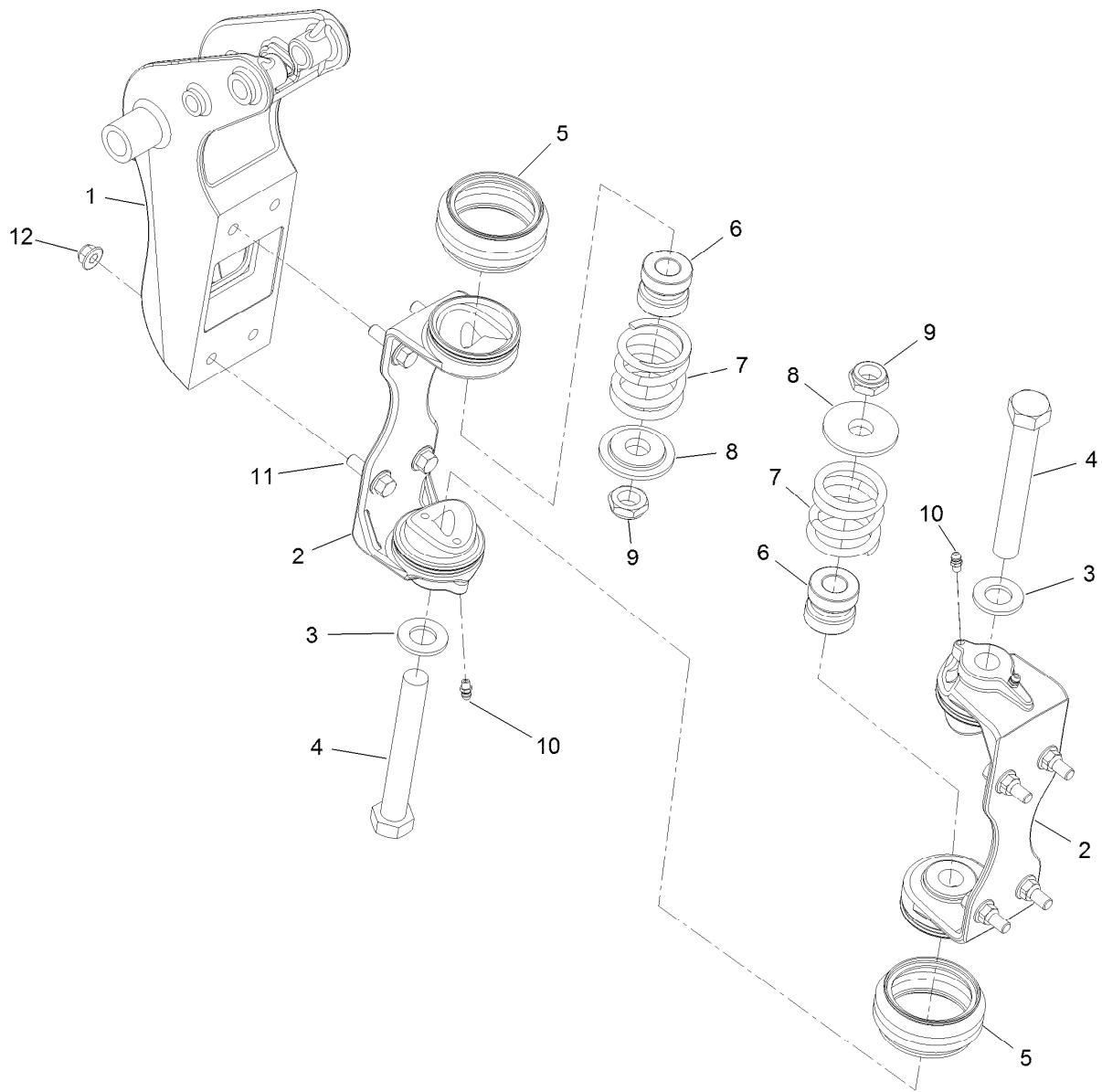
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 9    | 95-9193     | 1    | Cap-Diaphragm     |
| 10   | 95-9192     | 1    | Body-Split Eyelet |
| 11   | 95-9191     | 1    | O-Ring            |
| 12   | 99-0811     | 1    | Screw-Clamp       |
| 13   | 99-0812     | 1    | Clamp-Upper       |
| 14   | 99-0814     | 1    | Pin-Pivot         |
| 15   | 95-9202     | 1    | Shank-Hose        |
| 16   | 322-3       | 1    | Screw-HH          |



## RH Single Body Turret Assembly No. 108-3726

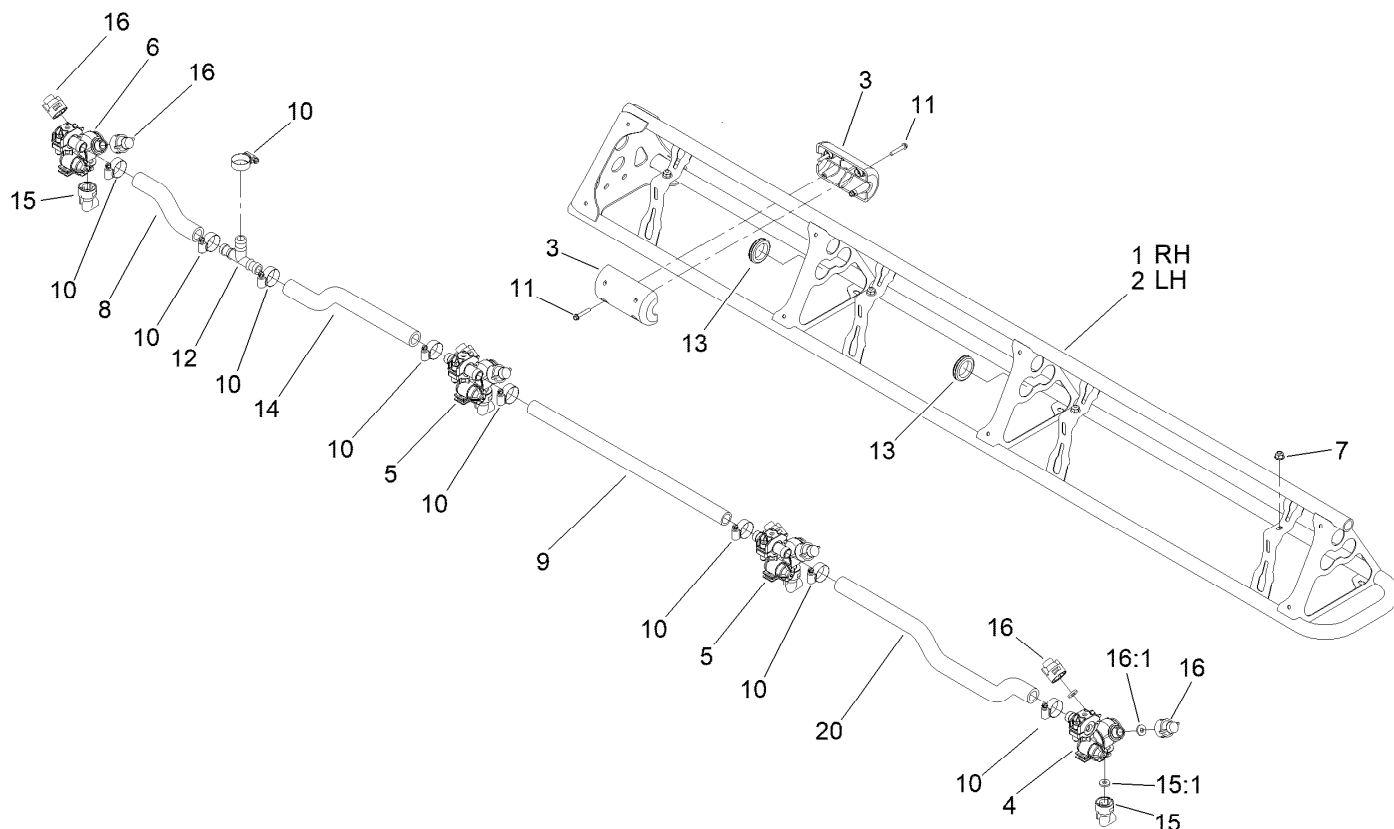
| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 1    | 95-9200     | 1    | Plug         |
| 2    | 95-9198     | 1    | O-Ring       |
| 3    | 95-9197     | 1    | E-Clip       |
| 4    | 95-9199     | 2    | O-Ring       |
| 5    | 108-3264    | 1    | Seal-Viton   |
| 6    | 108-3265    | 1    | O-Ring-Viton |
| 7    | 95-9196     | 1    | Turret       |
| 8    | 41003       | 1    | Diaphragm    |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 9    | 95-9193     | 1    | Cap-Diaphragm     |
| 10   | 95-9192     | 1    | Body-Split Eyelet |
| 11   | 95-9191     | 1    | O-Ring            |
| 12   | 99-0811     | 1    | Screw-Clamp       |
| 13   | 99-0812     | 1    | Clamp-Upper       |
| 14   | 99-0814     | 1    | Pin-Pivot         |
| 15   | 95-9201     | 1    | Shank-Hose        |
| 16   | 322-3       | 1    | Screw-HH          |



## Boom Pivot Assembly

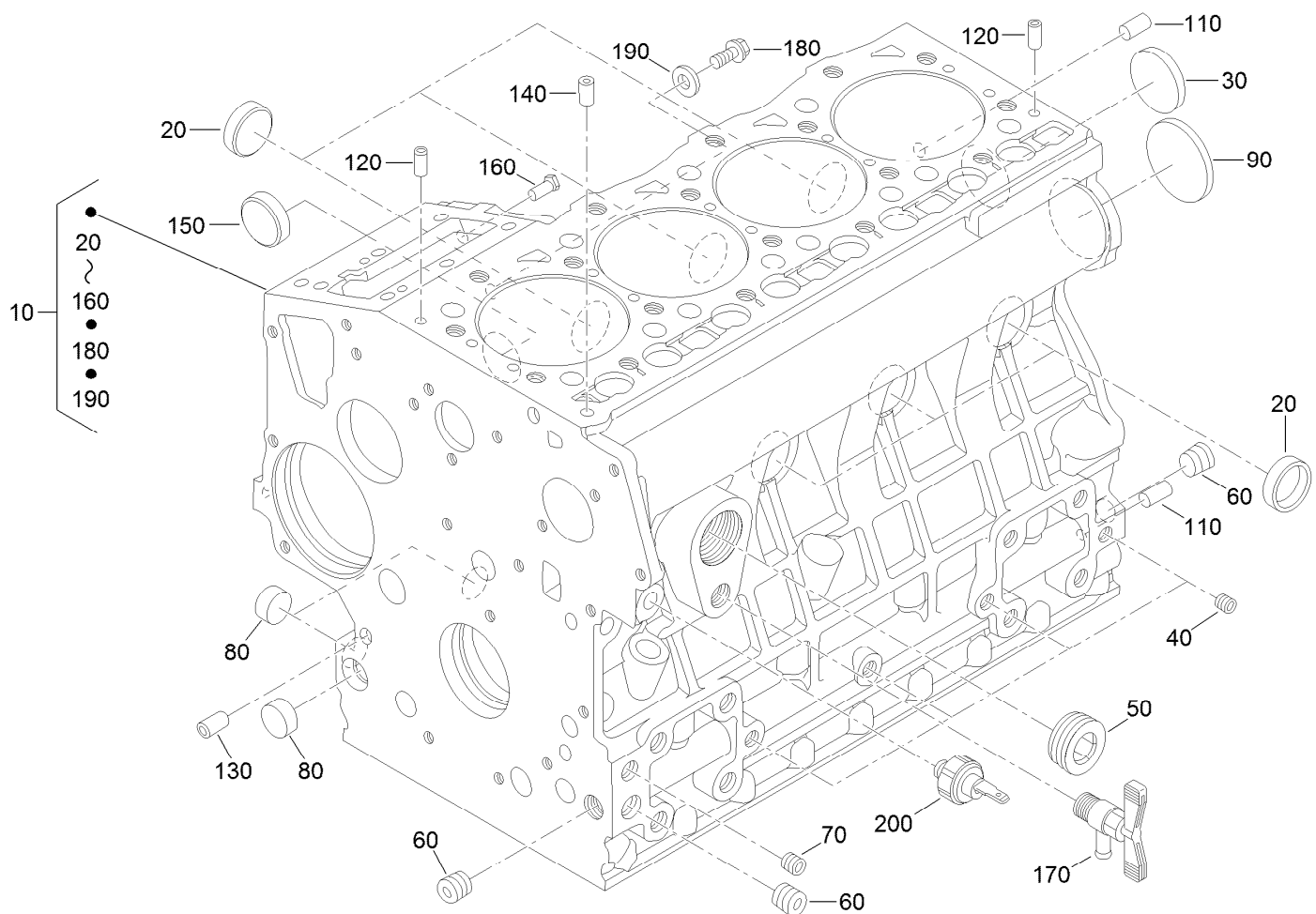
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 137-1673    | 1    | Bracket-Pivot          |
| 2    | 137-1674    | 2    | Hinge                  |
| 3    | 110-5054    | 2    | Washer-Flat            |
| 4    | 108-3738    | 2    | Screw-HH               |
| 5    | 108-3459    | 2    | Boot-Hinge             |
| 6    | 120-8541    | 2    | Dampener-Hinge         |
| 7    | 108-3440    | 2    | Spring-Breakaway, Boom |
| 8    | 108-3444    | 2    | Retainer-Spring        |
| 9    | 3296-15     | 2    | Nut-Lock, NI           |
| 10   | 302-5       | 4    | Fitting-Grease         |
| 11   | 110-5050    | 8    | Screw-HHF              |
| 12   | 104-8301    | 8    | Nut-HF, NI             |



## Left and Right Hand Boom Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 108-3524-03 | 1    | Boom-RH                   |
| 2    | 108-3525-03 | 1    | Boom-LH                   |
| 3    | 119-9368    | 8    | Block Slide               |
| 4    | 108-3725    | 2    | LH Single Body Turret ASM |
| 5    | 108-3727    | 4    | Double Turret Body ASM    |
| 6    | 108-3726    | 2    | RH Single Body Turret ASM |
| 7    | 104-8300    | 8    | Nut-HF, NI                |
| 8    | 136-0437    | 2    | Hose-Formed               |
| 9    | 40506       | 2    | Hose-Jumper               |
| 10   | 2412-129    | 18   | Clamp-Hose                |

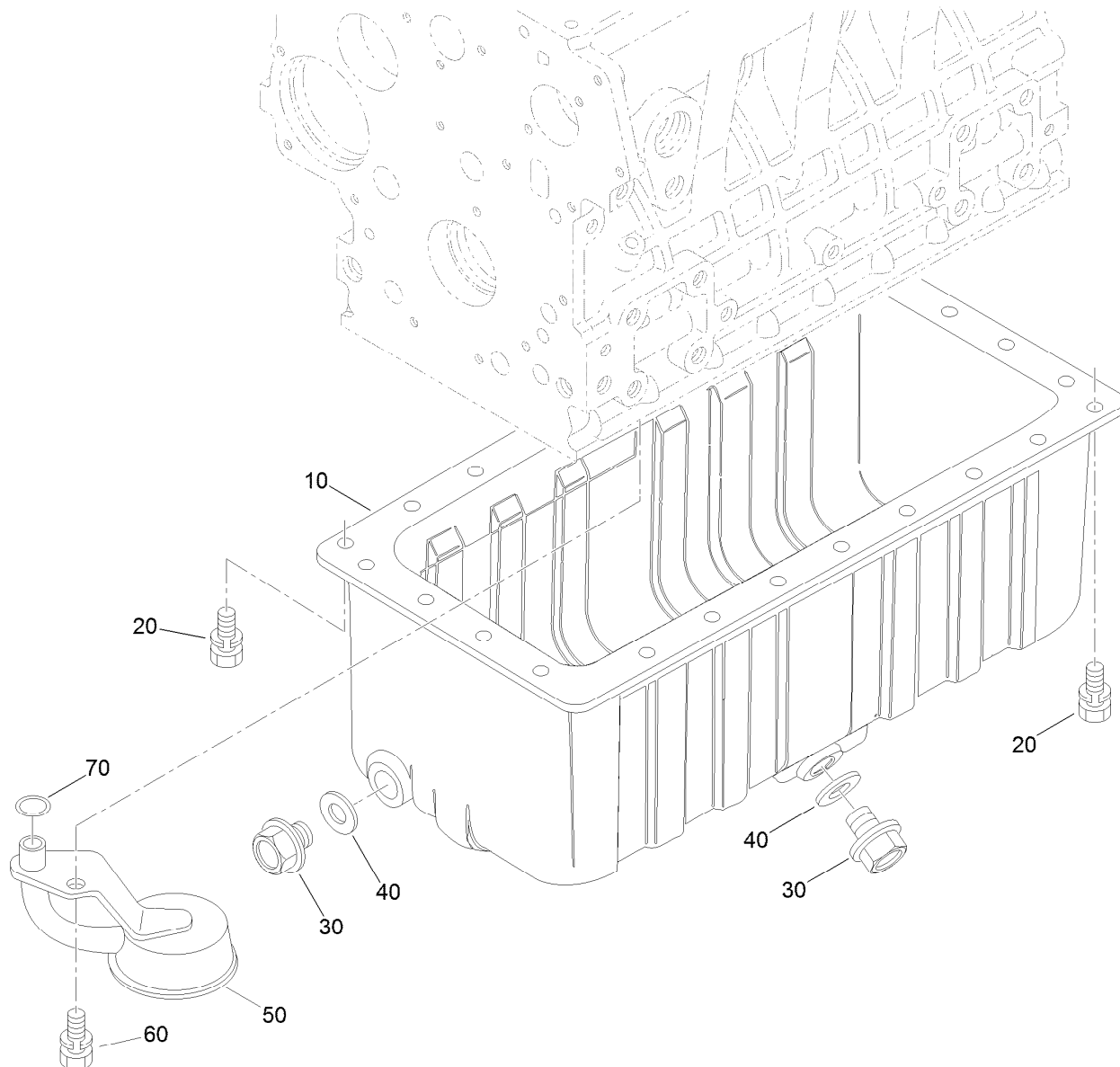
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 11   | 119-9369    | 16   | Screw-HHF              |
| 12   | 108-3439    | 2    | Tee                    |
| 13   | 240-3       | 4    | Grommet-Rubber         |
| 14   | 136-0436    | 2    | Hose-Formed            |
| 15   | 95-9186     | 8    | Cap                    |
| 15:1 | 40998       | 1    | Seat-Gasket            |
| 16   | 95-9187     | 16   | Cap-Blank              |
| 16:1 | 40998       | 1    | Seat-Gasket            |
| 20   | 108-3735    | 2    | Hose-Boom, Center (LH) |



## Crankcase Assembly

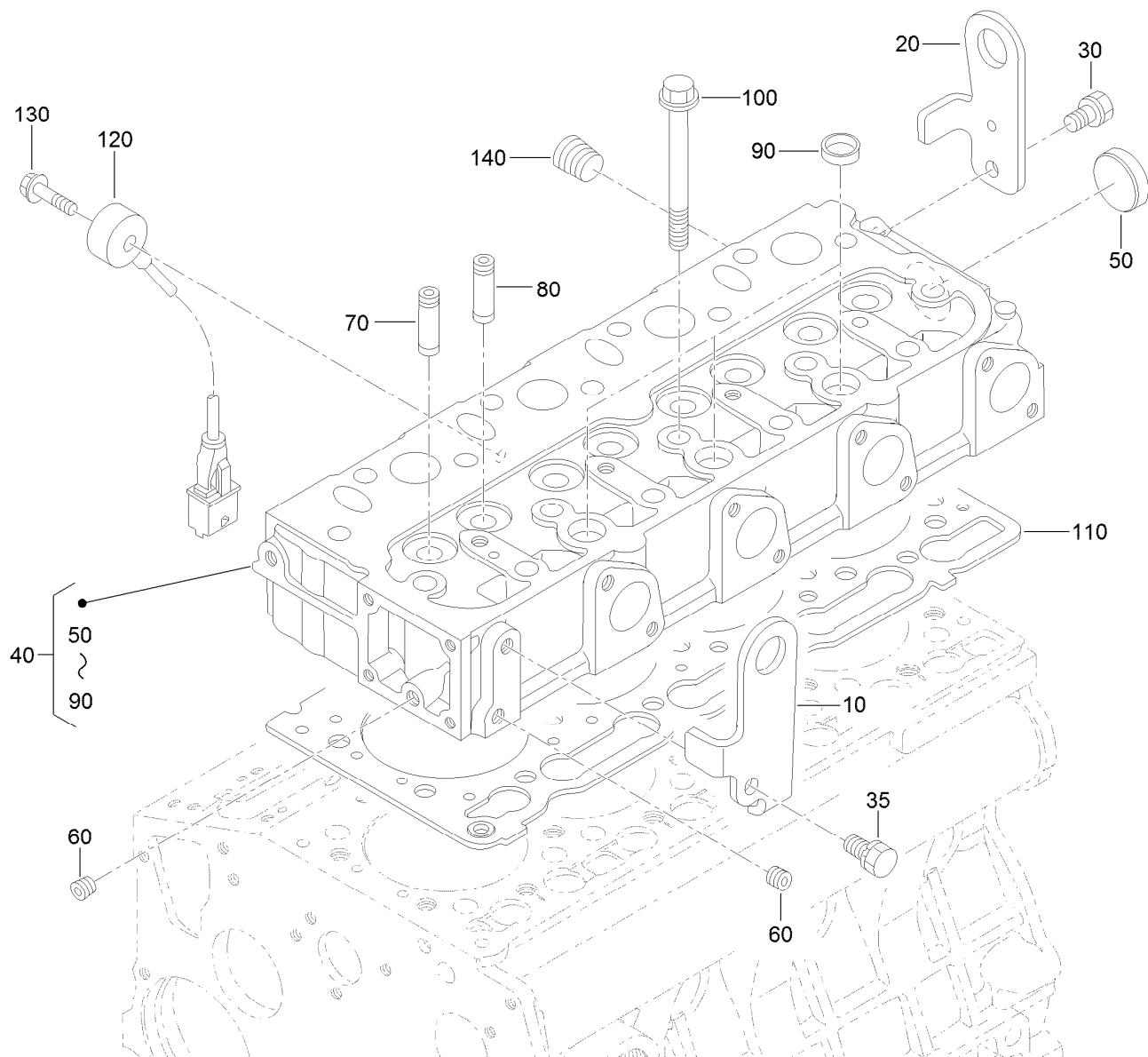
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 10   | 127-0451    | 1    | Crankcase ASM  |
| 20   | 98-9398     | 6    | Cap-Sealing    |
| 30   | 98-7539     | 1    | Cap-Sealing    |
| 40   | 98-9687     | 4    | Plug           |
| 50   | 105-3779    | 1    | Plug           |
| 60   | 98-9597     | 3    | Plug           |
| 70   | 98-7487     | 2    | Plug           |
| 80   | 98-9379     | 3    | Plug-Expansion |
| 90   | 98-9668     | 1    | Plug-Expansion |
| 110  | 98-9377     | 2    | Pin-Straight   |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 120  | 98-9376     | 2    | Pin-Straight      |
| 130  | 98-9387     | 2    | Pin-Pipe          |
| 140  | 98-9539     | 1    | Pin-Pipe          |
| 150  | 98-9599     | 1    | Plug              |
| 160  | 105-3796    | 1    | Pin-Spring, Start |
| 170  | 120-3121    | 1    | Draincock ASM     |
| 180  | 99-8363     | 1    | Bolt-Flange       |
| 190  | 98-7654     | 1    | Gasket            |
| 200  | 98-9416     | 1    | Switch-Oil        |



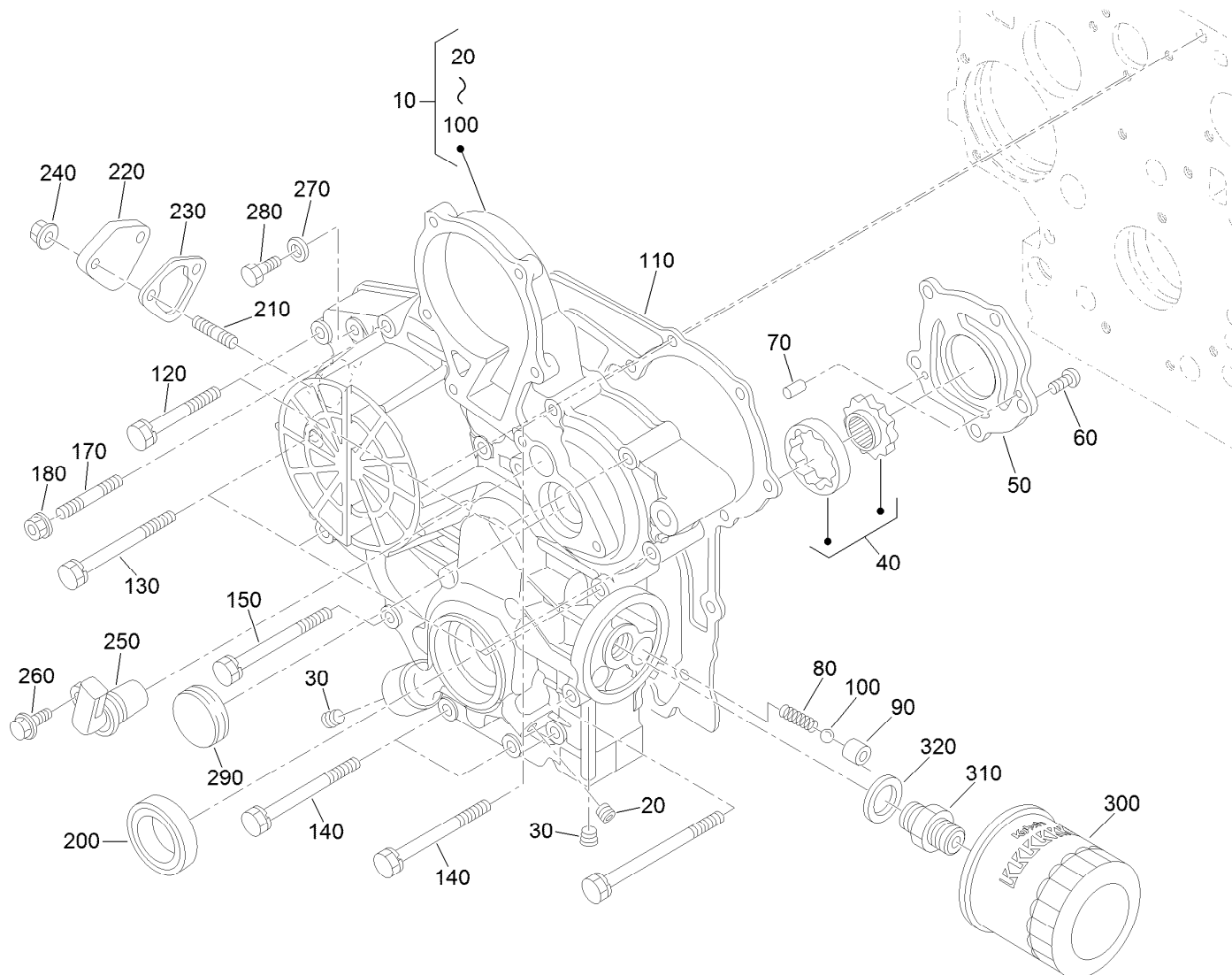
## Oil Pan Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 108-2852    | 1    | Oil Pan ASM      |
| 20   | 98-9351     | 26   | Bolt             |
| 30   | 114-8151    | 2    | Plug-Drain       |
| 40   | 98-7524     | 2    | Gasket           |
| 50   | 112-7003    | 1    | Head-Filter, Oil |
| 60   | 98-7526     | 1    | Bolt             |
| 70   | 105-3776    | 1    | O-Ring           |



## Cylinder Head Assembly

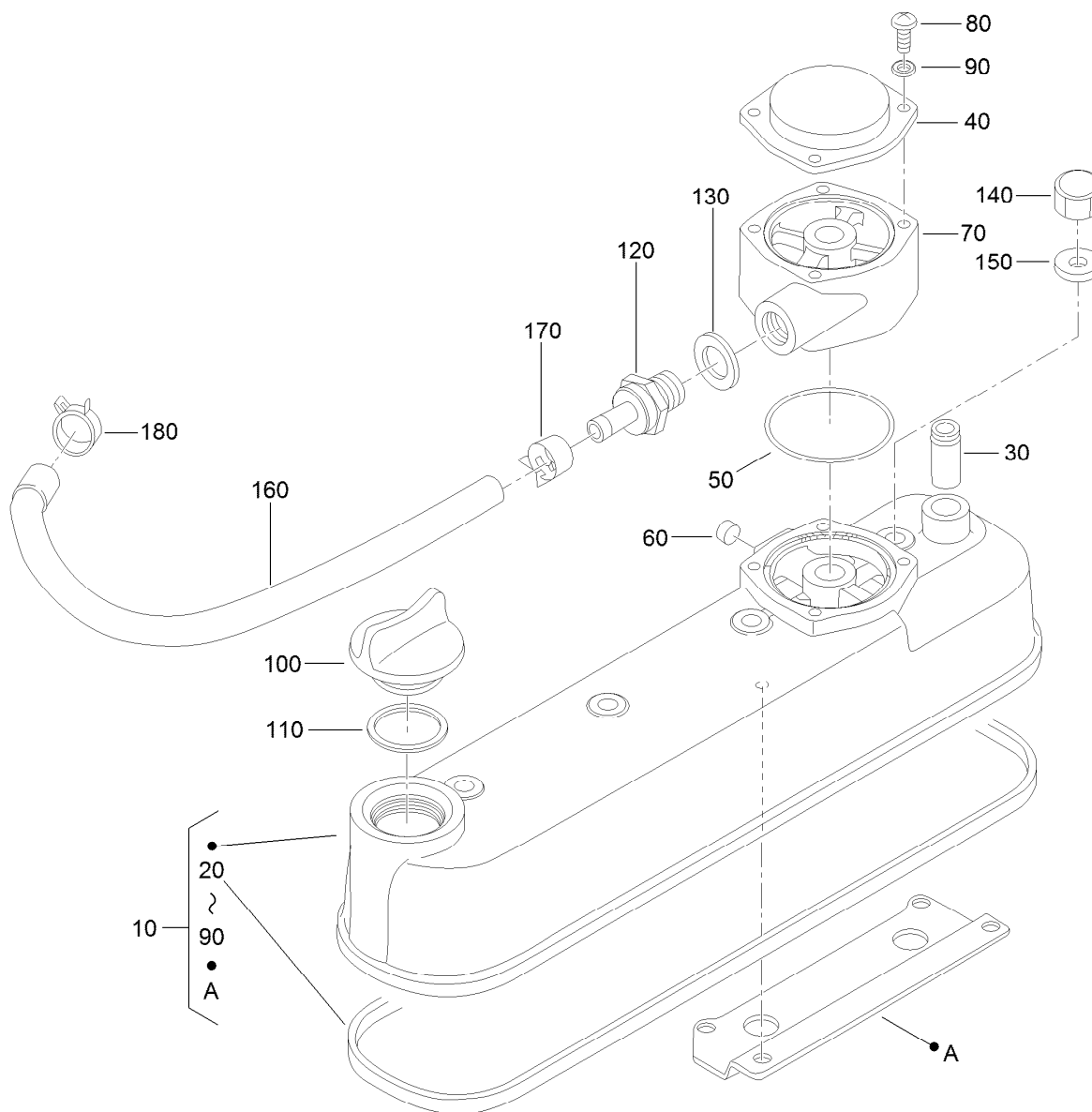
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 127-0463    | 1    | Hook-Engine           |
| 20   | 127-0464    | 1    | Hook-Engine           |
| 30   | 100-9195    | 1    | Bolt                  |
| 35   | 98-7526     | 1    | Bolt                  |
| 40   | 127-0452    | 1    | Cylinder Head ASM     |
| 50   | 105-3705    | 1    | Cap-Sealing           |
| 60   | 98-9687     | 2    | Plug                  |
| 70   | 107-9066    | 4    | Guide-Valve, Inlet    |
| 80   | 127-0478    | 4    | Guide-Valve, Exhaust  |
| 90   | 98-9389     | 3    | Cap-Sealing           |
| 100  | 98-9479     | 9    | Bolt-Head, Cylinder   |
| 110  | 127-0434    | 1    | Gasket-Head, Cylinder |
| 120  | 127-0467    | 1    | Sensor-Knock          |
| 130  | 127-0506    | 1    | Bolt-Sensor, Knock    |
| 140  | 98-9444     | 1    | Plug                  |



## Gear Case and Oil Filter Cartridge Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 127-0453    | 1    | Gear Case ASM      |
| 20   | 98-7487     | 1    | Plug               |
| 30   | 127-0425    | 2    | Plug               |
| 40   | 98-9540     | 1    | Oil Pump Rotor ASM |
| 50   | 107-9069    | 1    | Cover-Pump, Oil    |
| 60   | 107-9071    | 5    | Screw              |
| 70   | 107-9072    | 2    | Pin-Straight       |
| 80   | 98-9544     | 1    | Spring             |
| 90   | 98-9543     | 1    | Seat-Valve         |
| 100  | 98-9380     | 1    | Ball               |
| 110  | 98-9633     | 1    | Gasket-Case, Gear  |
| 120  | 100-1765    | 3    | Bolt               |
| 130  | 105-3797    | 4    | Bolt               |
| 140  | 98-9356     | 4    | Bolt               |
| 150  | 107-9074    | 1    | Bolt               |

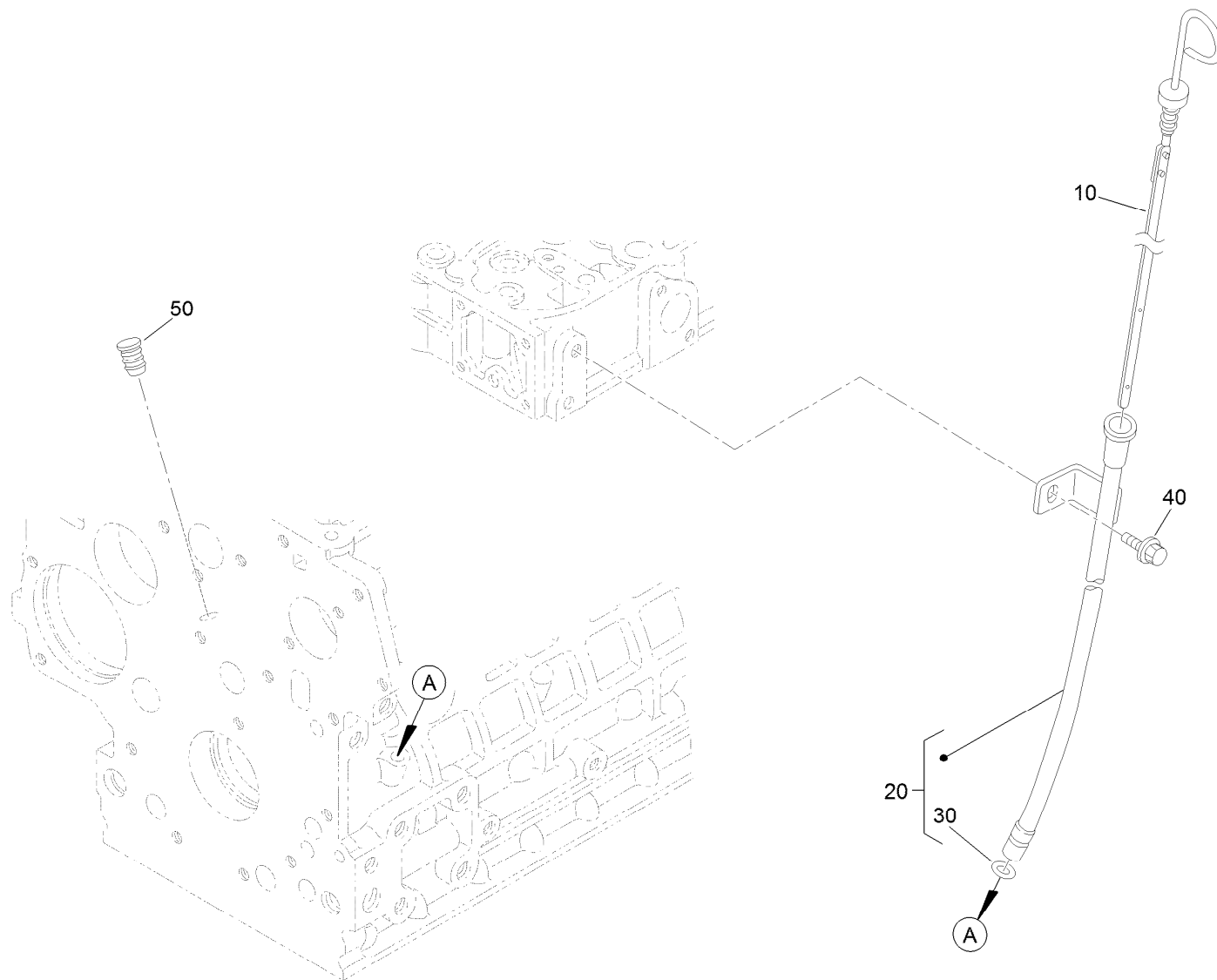
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 170  | 105-3709    | 1    | Stud              |
| 180  | 100-2203    | 1    | Nut-Flange        |
| 200  | 119-8038    | 1    | Seal-Oil          |
| 210  | 105-3710    | 2    | Stud              |
| 220  | 99-3514     | 1    | Cover             |
| 230  | 117-7562    | 1    | Gasket-Pump, Fuel |
| 240  | 100-2203    | 2    | Nut-Flange        |
| 250  | 127-0504    | 1    | Sensor-Revolution |
| 260  | 99-8363     | 1    | Bolt-Flange       |
| 270  | 98-7654     | 1    | Gasket            |
| 280  | 127-0400    | 1    | Bolt-Hex          |
| 290  | 99-3515     | 1    | Plug-Gearcase     |
| 300  | 108-3841    | 1    | Filter-Oil        |
| 310  | 98-9388     | 1    | Joint-Pipe        |
| 320  | 98-7562     | 1    | Washer-Plain      |



## Cylinder Head Cover Assembly

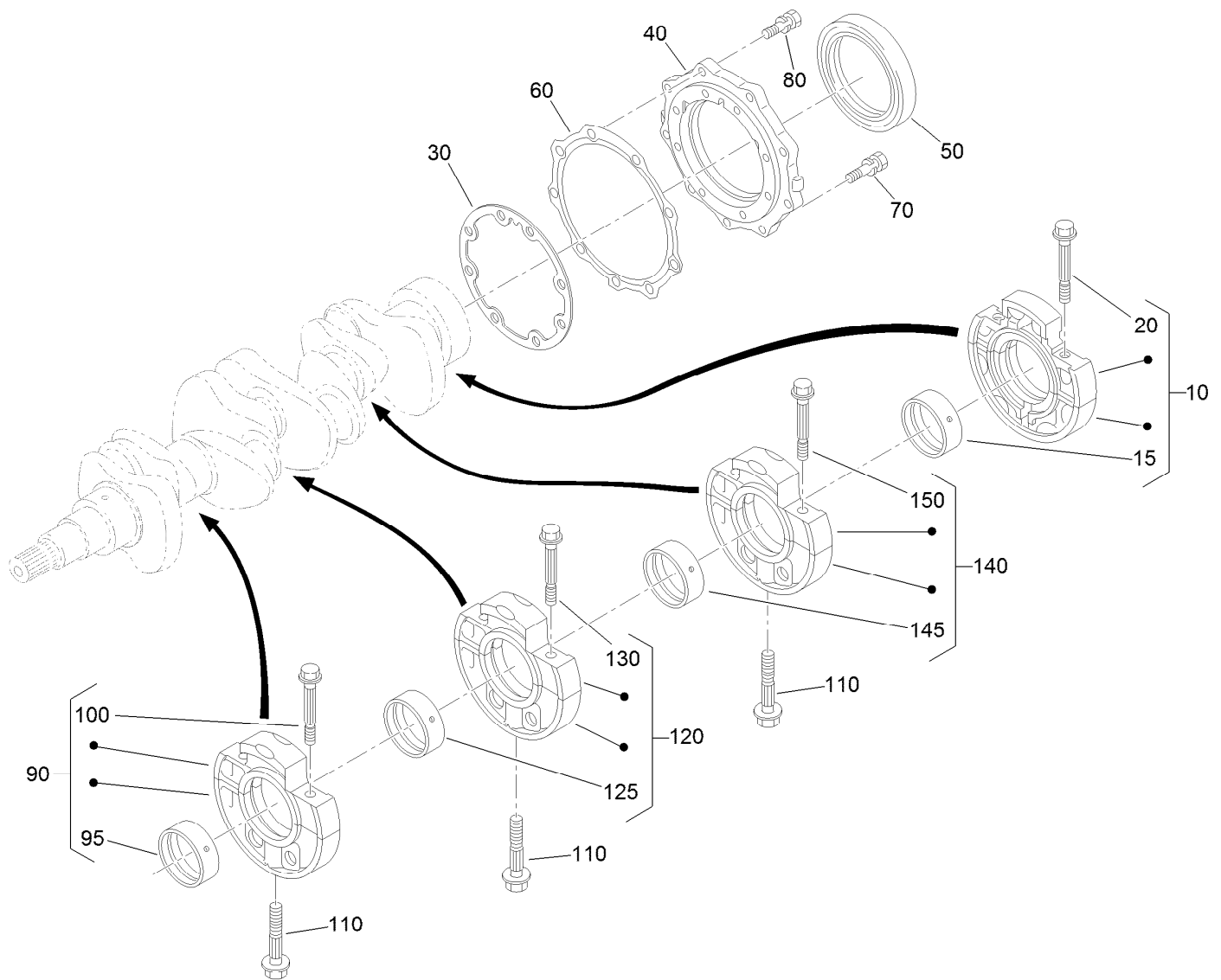
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 127-0479    | 1    | Cylinder Head Cover ASM |
| 20   | 105-3712    | 1    | Gasket-Cover, Head      |
| 30   | 98-7766     | 1    | Pipe-Return, Water      |
| 40   | 108-7060    | 1    | Cover-Breather          |
| 50   | 110-3846    | 2    | O Ring-Breather         |
| 60   | 115-3042    | 1    | Cap-Sealing             |
| 70   | 127-0480    | 1    | Spacer-Breather         |
| 80   | 115-3044    | 4    | Screw-Pan Head          |
| 90   | 127-0408    | 4    | Washer-Lock, Spring     |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 100  | 107-9075    | 1    | Plug-Filler, Oil |
| 110  | 99-3446     | 1    | O-Ring           |
| 120  | 127-0468    | 1    | Valve-Pcv        |
| 130  | 98-7528     | 1    | O Ring-Copper    |
| 140  | 98-9455     | 4    | Nut-Cap          |
| 150  | 98-9454     | 4    | Gasket           |
| 160  | 127-0469    | 1    | Tube-Breather    |
| 170  | 127-0491    | 1    | Clamp-Hose       |
| 180  | 98-9579     | 1    | Band-Pipe        |



## Oil Dipstick and Guide Assembly

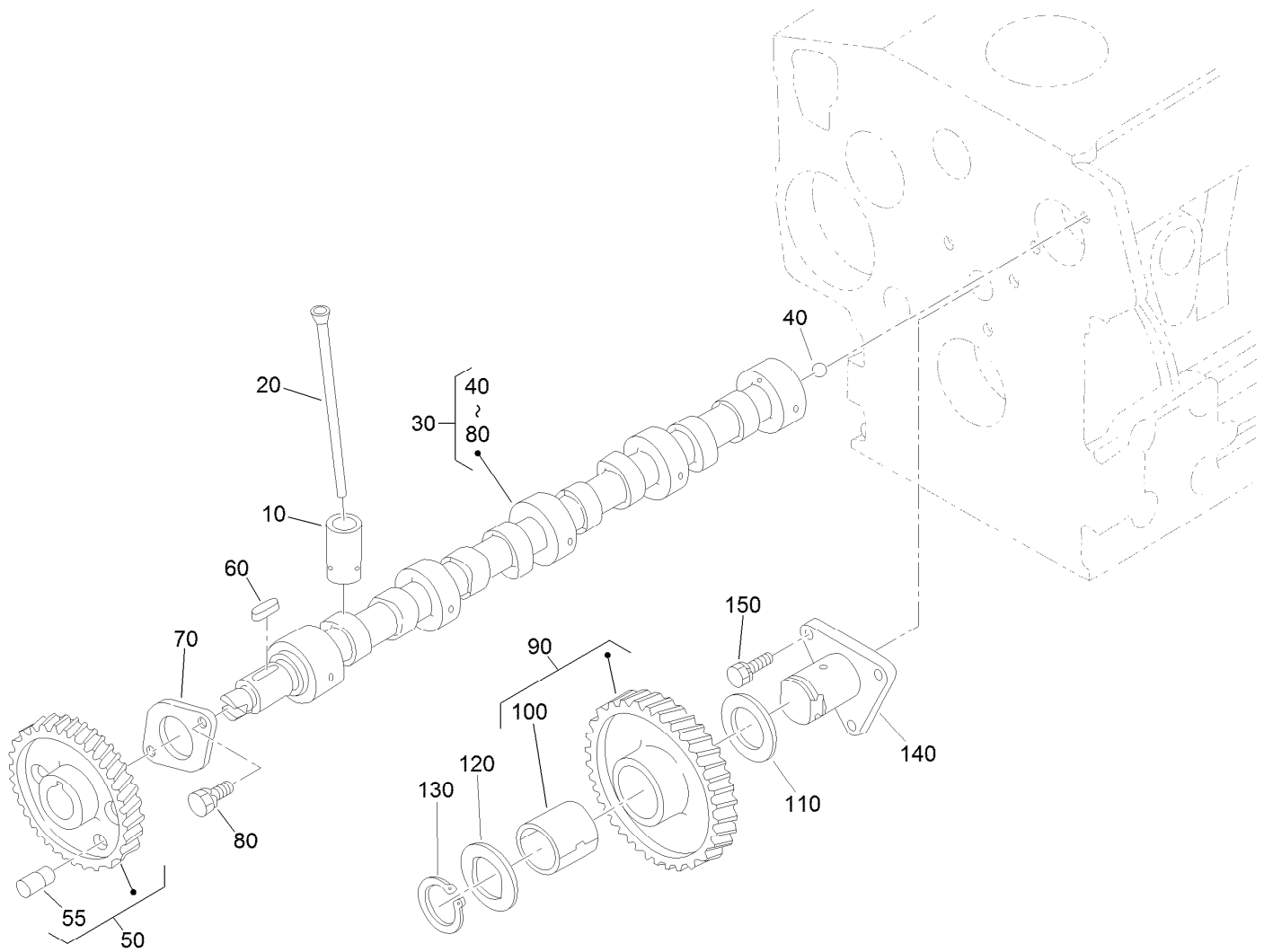
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-9670     | 1    | Gauge-Oil           |
| 20   | 98-9672     | 1    | Oil Gauge Guide ASM |
| 30   | 98-9722     | 1    | O-Ring              |
| 40   | 115-8504    | 1    | Bolt-Flange         |
| 50   | 110-3720    | 1    | Plug-Gauge, Oil     |



## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 10   | 112-7026    | 1    | Wheel Bearing Case ASM     |
| 15   | 98-9525     | 1    | Metal-Crankshaft (STD Set) |
| 20   | 98-9484     | 2    | Bolt-Case, Bearing         |
| 30   | 131-6554    | 1    | Gasket-Case, Bearing       |
| 40   | 112-7046    | 1    | Cover-Case, Bearing        |
| 50   | 112-0180    | 1    | Seal-Oil                   |
| 60   | 112-7037    | 1    | Gasket-Cover, Case         |
| 70   | 127-0441    | 8    | Bolt                       |
| 80   | 127-0442    | 9    | Bolt                       |
| 90   | 127-0427    | 1    | Main Bearing Case ASM      |

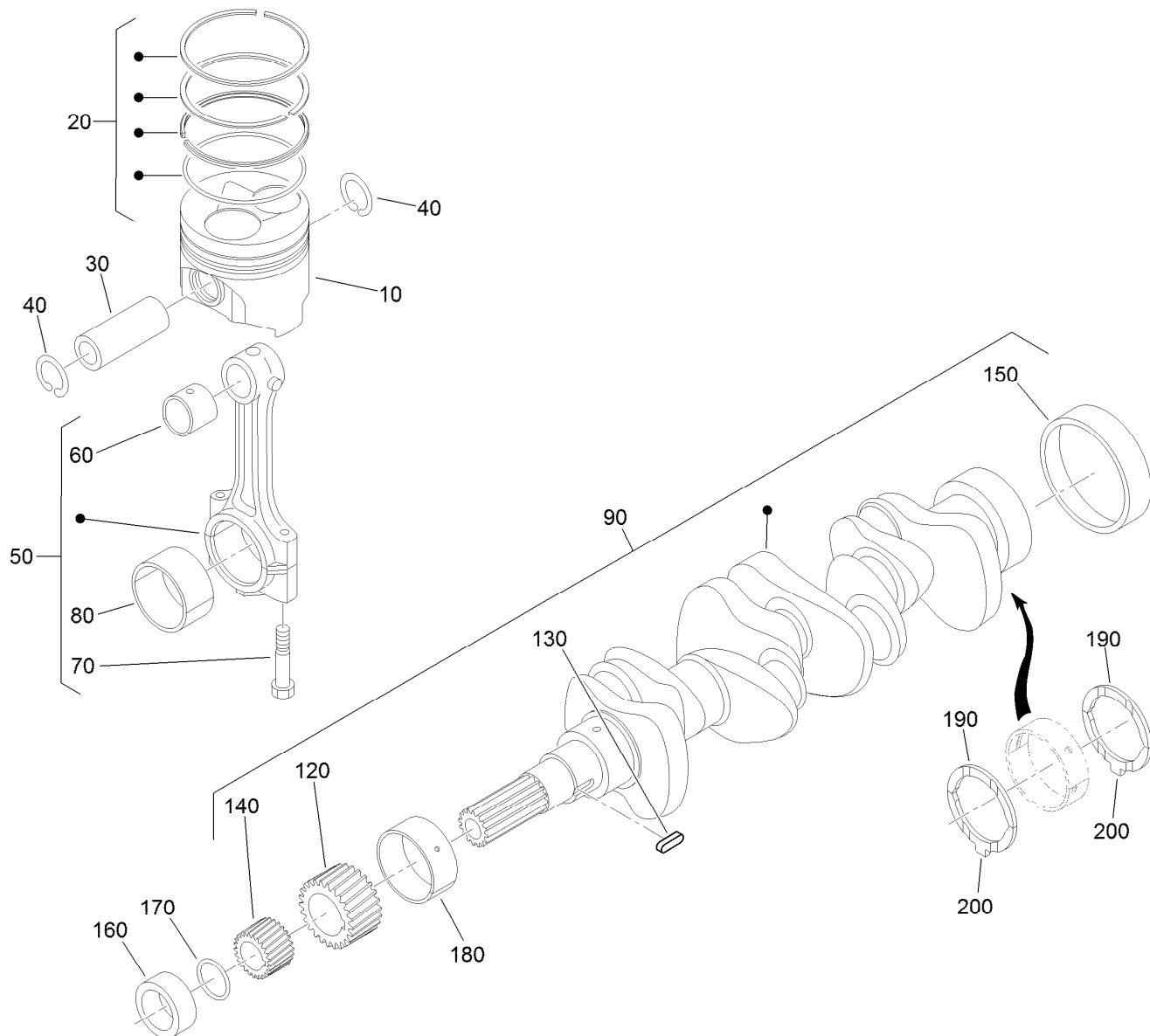
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 95   | 98-9524     | 2    | Metal-Crankshaft (STD Set) |
| 100  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 110  | 98-9485     | 3    | Bolt-Case, Bearing         |
| 120  | 127-0428    | 1    | Main Bearing Case ASM      |
| 125  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 130  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 140  | 127-0429    | 1    | Bearing Case ASM           |
| 145  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 150  | 98-9484     | 2    | Bolt-Case, Bearing         |



## Cam Shaft and Idle Gear Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 112-0185    | 8    | Tappet           |
| 20   | 127-0421    | 8    | Rod-Push         |
| 30   | 127-0481    | 1    | Camshaft ASM     |
| 40   | 110-3729    | 1    | Ball             |
| 50   | 127-0482    | 1    | Cam Gear ASM     |
| 55   | 127-0483    | 1    | Pin-Gear, Cam    |
| 60   | 98-9378     | 1    | Key-Feather      |
| 70   | 98-9510     | 1    | Stopper-Camshaft |

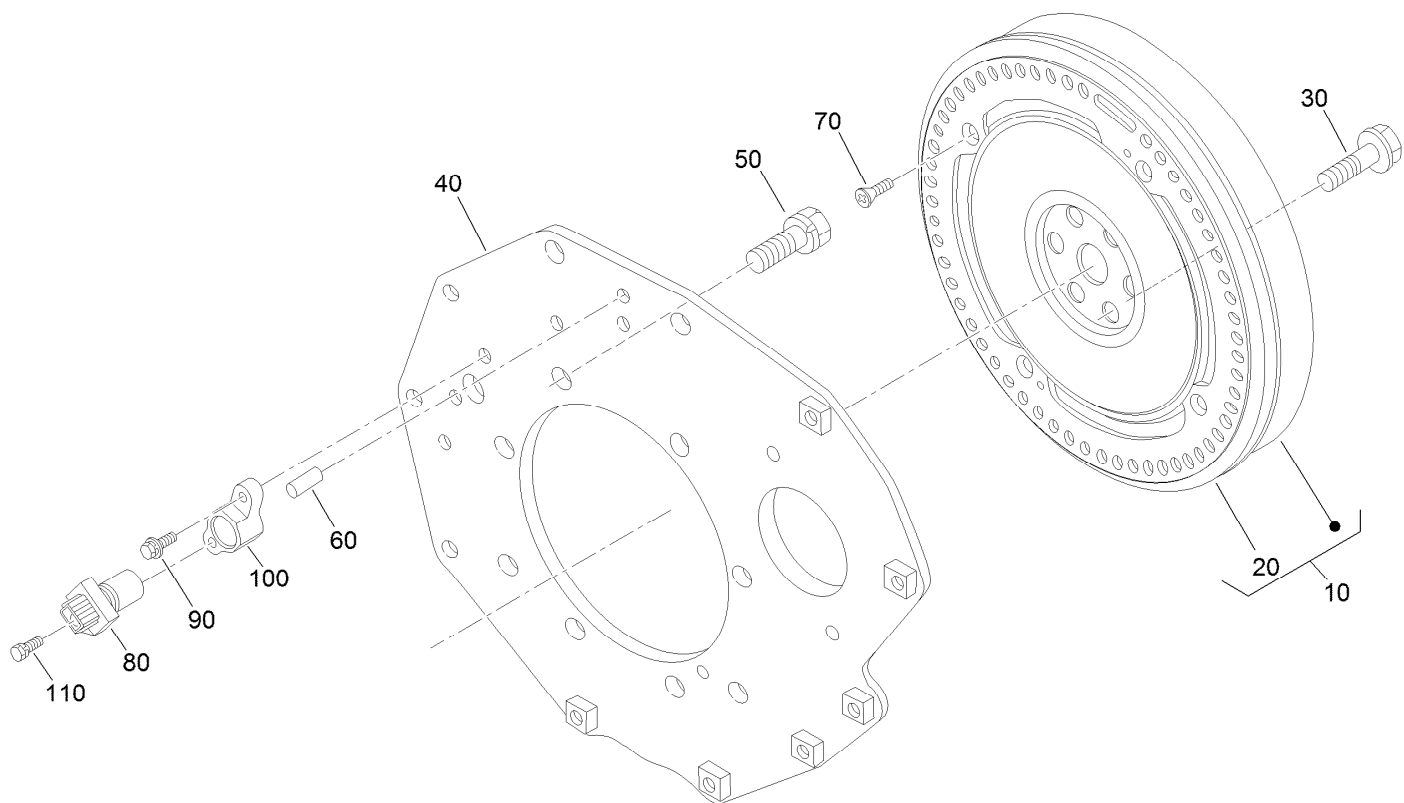
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 80   | 98-7692     | 2    | Bolt               |
| 90   | 117-7584    | 1    | Idler Gear ASM     |
| 100  | 117-7585    | 1    | Bushing-Gear, Idle |
| 110  | 98-9535     | 1    | Collar-Gear, Idle  |
| 120  | 98-9536     | 1    | Collar-Gear, Idle  |
| 130  | 98-9534     | 1    | Circlip-Gear, Idle |
| 140  | 98-9533     | 1    | Shaft-Gear, Idle   |
| 150  | 98-7692     | 3    | Bolt               |



## Piston and Crankshaft Assembly

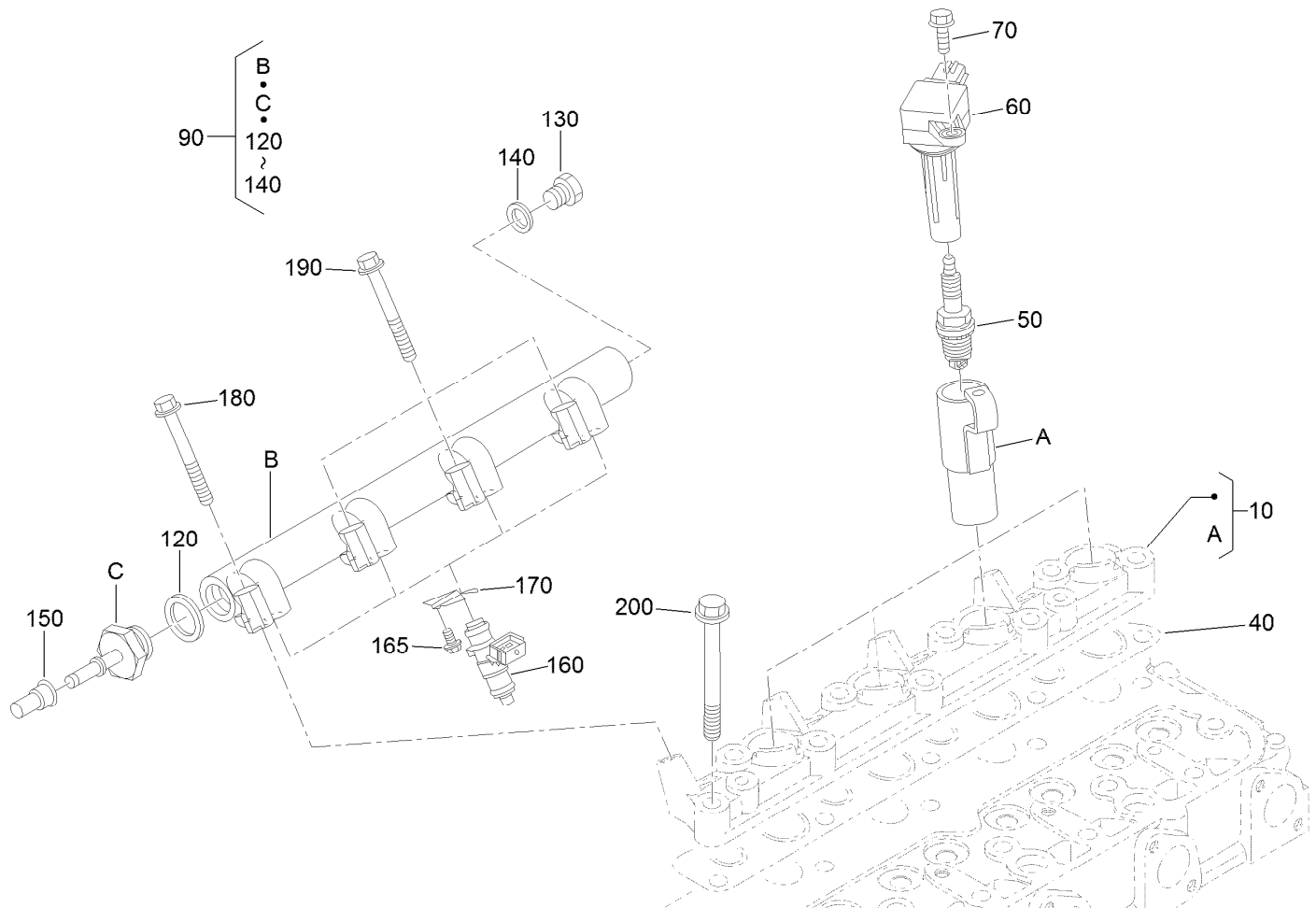
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 10   | 127-0487    | 4    | Piston (STD)              |
| 10   | 127-0488    | 4    | Piston (+0.50MM)          |
| 20   | 127-0485    | 4    | Piston Ring ASM (STD)     |
| 20   | 127-0486    | 4    | Piston Ring ASM (+0.50MM) |
| 30   | 98-9513     | 4    | Pin-Piston                |
| 40   | 98-9514     | 8    | Circlip-Pin, Piston       |
| 50   | 117-7586    | 4    | Connecting Rod ASM        |
| 60   | 115-3014    | 4    | Bushing-Pin, Piston       |
| 70   | 98-9517     | 8    | Bolt-Rod, Connecting      |
| 80   | 98-9553     | 4    | Bearing-Rod (STD)         |
| 80   | 98-9519     | 4    | Bearing-Rod (-0.2MM)      |
| 80   | 117-7588    | 4    | Metal-Crankpin (-0.4MM)   |
| 90   | 127-0433    | 1    | Metal-Crankshaft (-0.2MM) |
| 120  | 117-7561    | 1    | Gear-Crankshaft           |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 130  | 98-9666     | 1    | Key                        |
| 140  | 127-0445    | 1    | Gear-Drive, Oil Pump       |
| 150  | 98-9522     | 1    | Sleeve-Crankshaft          |
| 160  | 127-0444    | 1    | Collar-Crankshaft          |
| 170  | 105-3783    | 1    | O-Ring                     |
| 180  | 98-9524     | 3    | Metal-Crankshaft (STD Set) |
| 180  | 127-0433    | 3    | Metal-Crankshaft (-0.2MM)  |
| 180  | 127-0432    | 1    | Metal-Crankshaft (-0.4MM)  |
| 190  | 98-9413     | 2    | Bearing-Thrust (STD)       |
| 190  | 127-0416    | 2    | Metal-Side (+0.2Mm)        |
| 190  | 127-0417    | 2    | Metal-Side (+0.40Mm)       |
| 200  | 98-9688     | 2    | Bearing-Thrust (STD)       |
| 200  | 127-0437    | 2    | Metal-Side (+0.2MM)        |
| 200  | 127-0438    | 2    | Metal-Side (+0.40MM)       |



## Flywheel and Sensor Switch Assembly

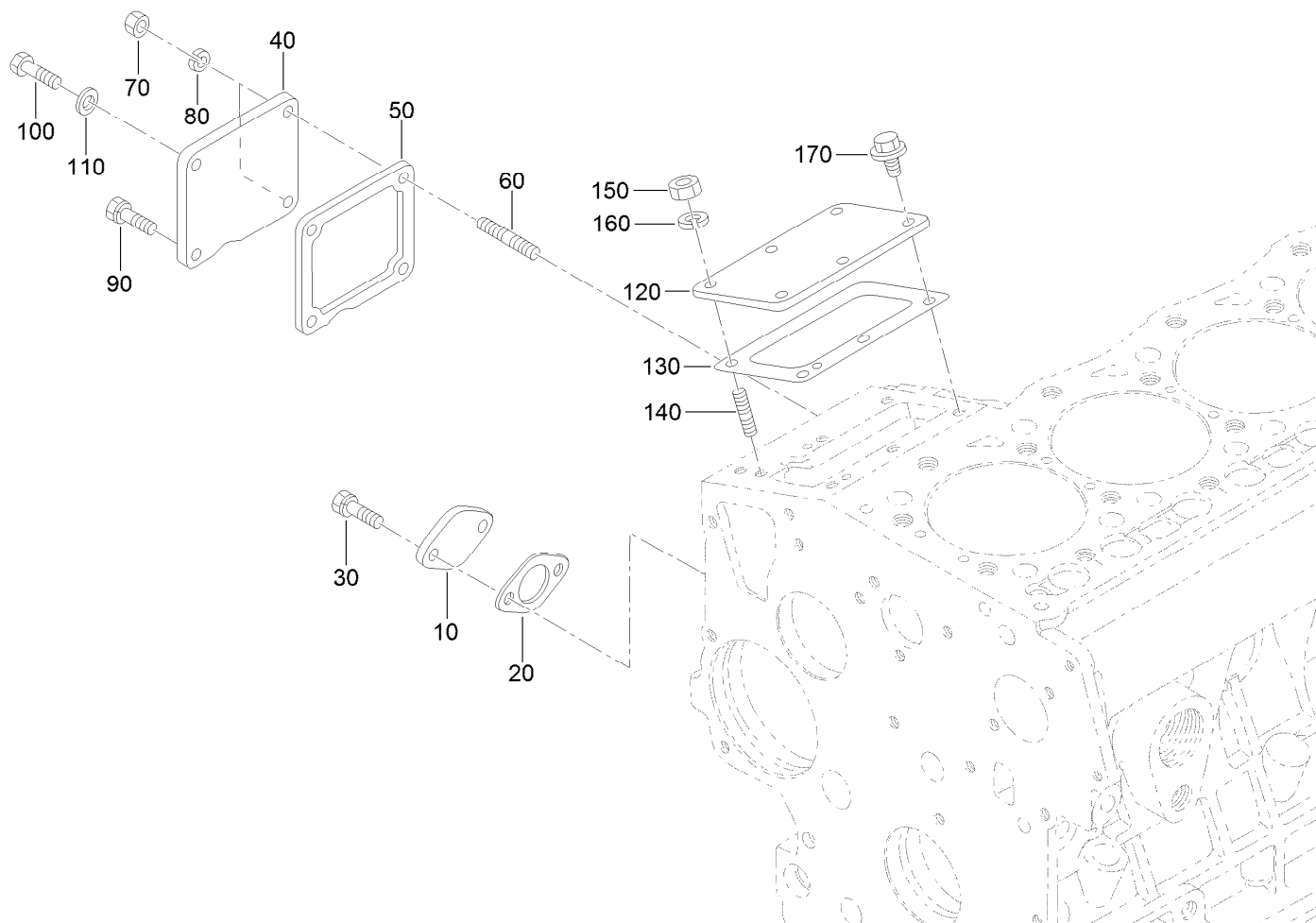
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 127-0489    | 1    | Flywheel ASM     |
| 20   | 115-3015    | 1    | Gear-Ring        |
| 30   | 98-9537     | 6    | Bolt-Flywheel    |
| 40   | 127-0454    | 1    | Plate-End, Rear  |
| 50   | 98-9392     | 8    | Bolt             |
| 60   | 127-0412    | 2    | Pin-Straight     |
| 70   | 127-0407    | 4    | Screw-Head, Flat |
| 80   | 125-9103    | 1    | Sensor Stick ASM |
| 90   | 127-0403    | 1    | Bolt-Flange      |
| 100  | 127-0494    | 1    | Holder-Sensor    |
| 110  | 127-0404    | 1    | Bolt-Flange      |



## Ignition Coil and Delivery Pipe Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 127-0459    | 1    | Flange-Injector   |
| 40   | 127-0460    | 1    | Gasket-Flange     |
| 50   | 127-0499    | 4    | Spark Plug        |
| 60   | 127-0498    | 4    | Coil-Ignition     |
| 70   | 99-8363     | 4    | Bolt-Flange       |
| 90   | 127-0509    | 1    | Delivery Pipe ASM |
| 120  | 127-0411    | 1    | Packing           |
| 130  | 127-0413    | 1    | Plug              |

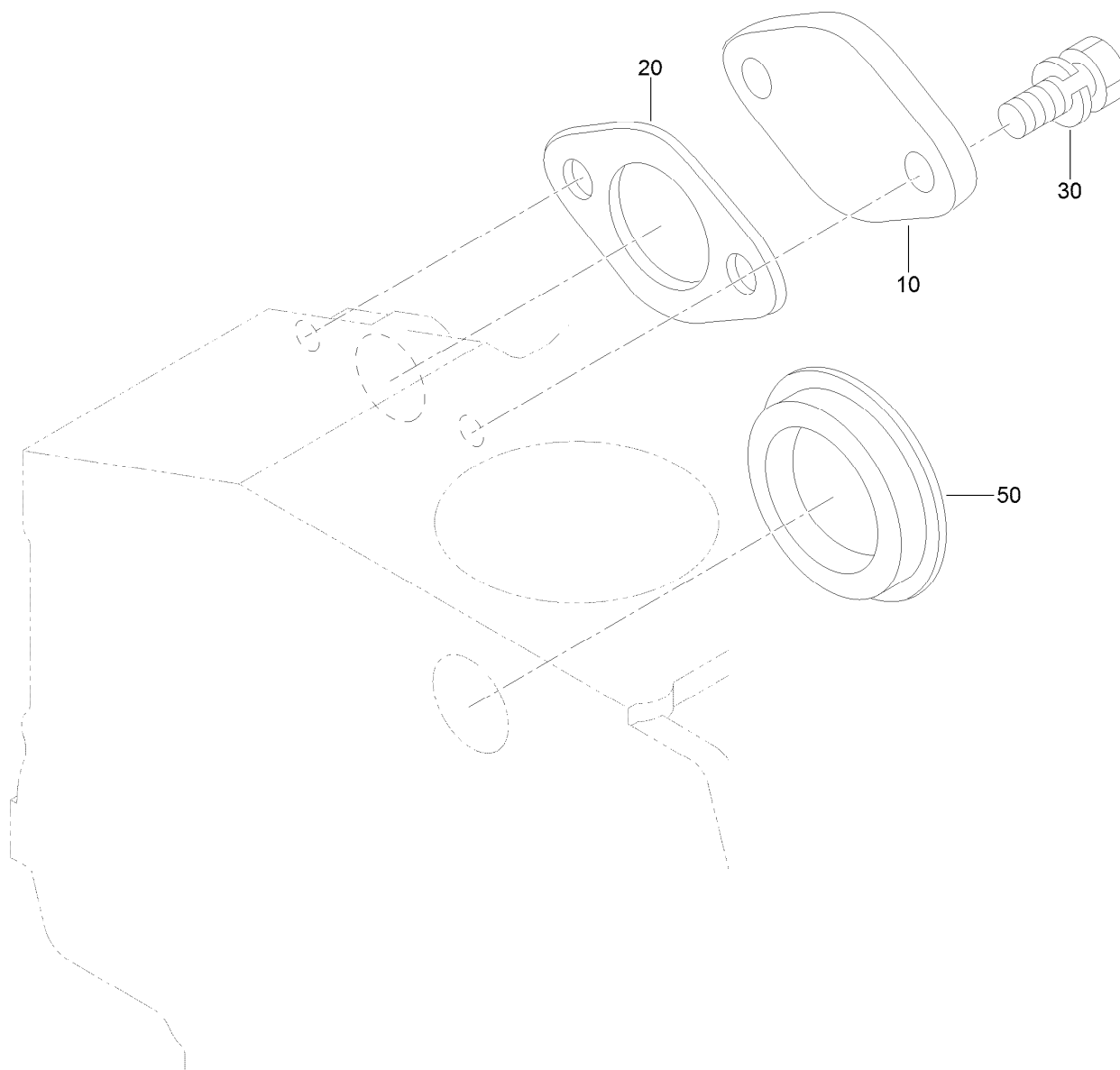
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 140  | 125-9096    | 1    | Gasket              |
| 150  | 127-0456    | 1    | Cap-Fuel            |
| 160  | 125-9107    | 4    | Injector            |
| 165  | 100-1774    | 4    | Bolt-Flange         |
| 170  | 127-0458    | 4    | Stopper-Injector    |
| 180  | 127-0404    | 1    | Bolt-Flange         |
| 190  | 127-0405    | 3    | Bolt-Flange         |
| 200  | 127-0466    | 9    | Bolt-Head, Cylinder |



## Engine Covers Assembly

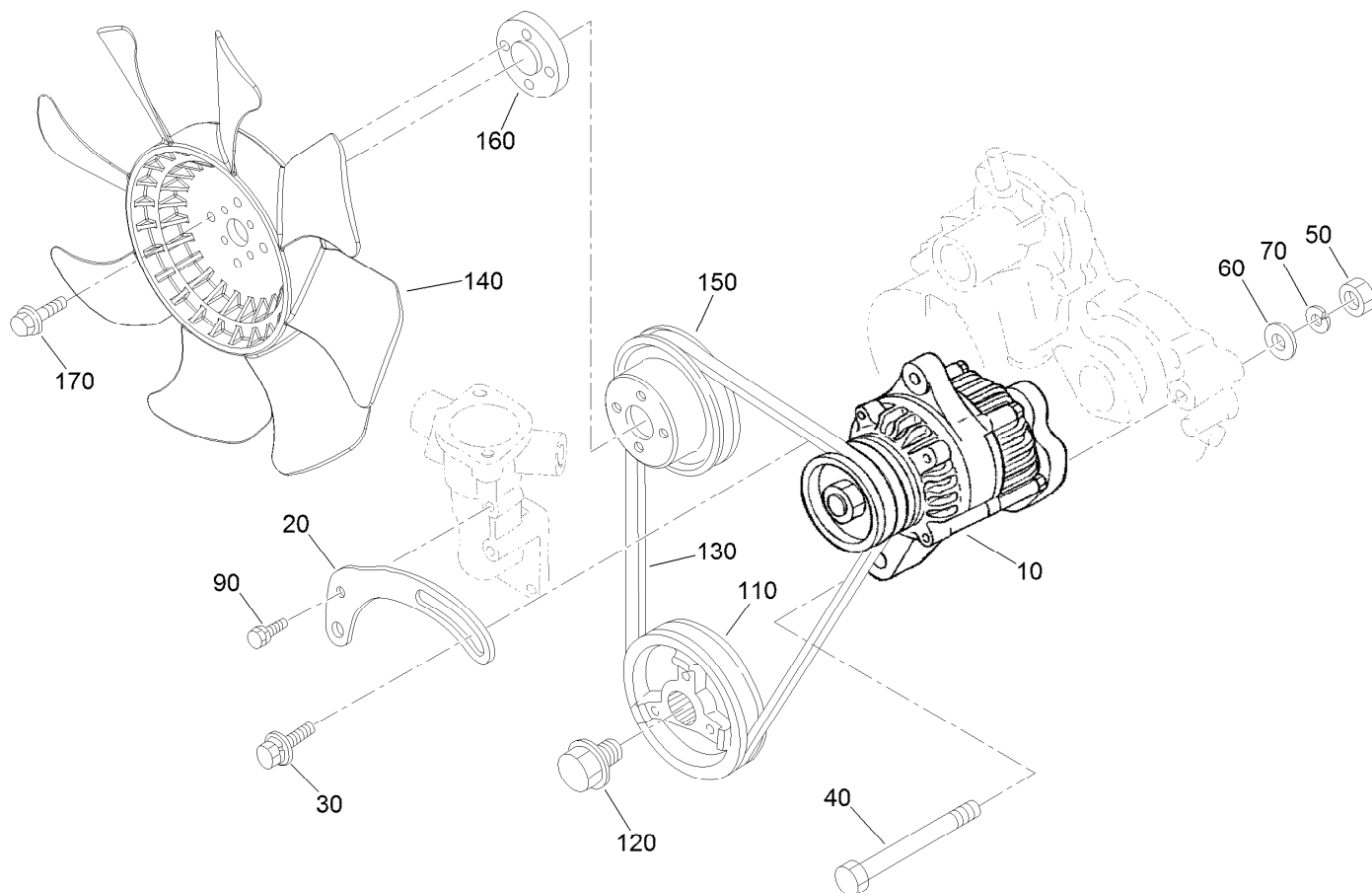
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 115-4122    | 1    | Cover-Shaft, Fork Lever |
| 20   | 98-9682     | 1    | Gasket                  |
| 30   | 98-9350     | 2    | Bolt                    |
| 40   | 127-0418    | 1    | Cover                   |
| 50   | 98-9637     | 1    | Gasket                  |
| 60   | 105-3710    | 2    | Stud                    |
| 70   | 98-7572     | 2    | Nut                     |
| 80   | 98-7699     | 2    | Washer-Spring           |
| 90   | 98-9350     | 1    | Bolt                    |

| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 100  | 127-0401    | 1    | Bolt-Hex                        |
| 110  | 98-7654     | 1    | Gasket                          |
| 120  | 127-0465    | 1    | Cover-Pump, Injection           |
| 130  | 105-3728    | 1    | Shim-Pump, Injection<br>(.20MM) |
| 140  | 98-9438     | 3    | Stud                            |
| 150  | 100-1776    | 3    | Nut                             |
| 160  | 98-7699     | 3    | Washer-Spring                   |
| 170  | 100-1774    | 3    | Bolt-Flange                     |



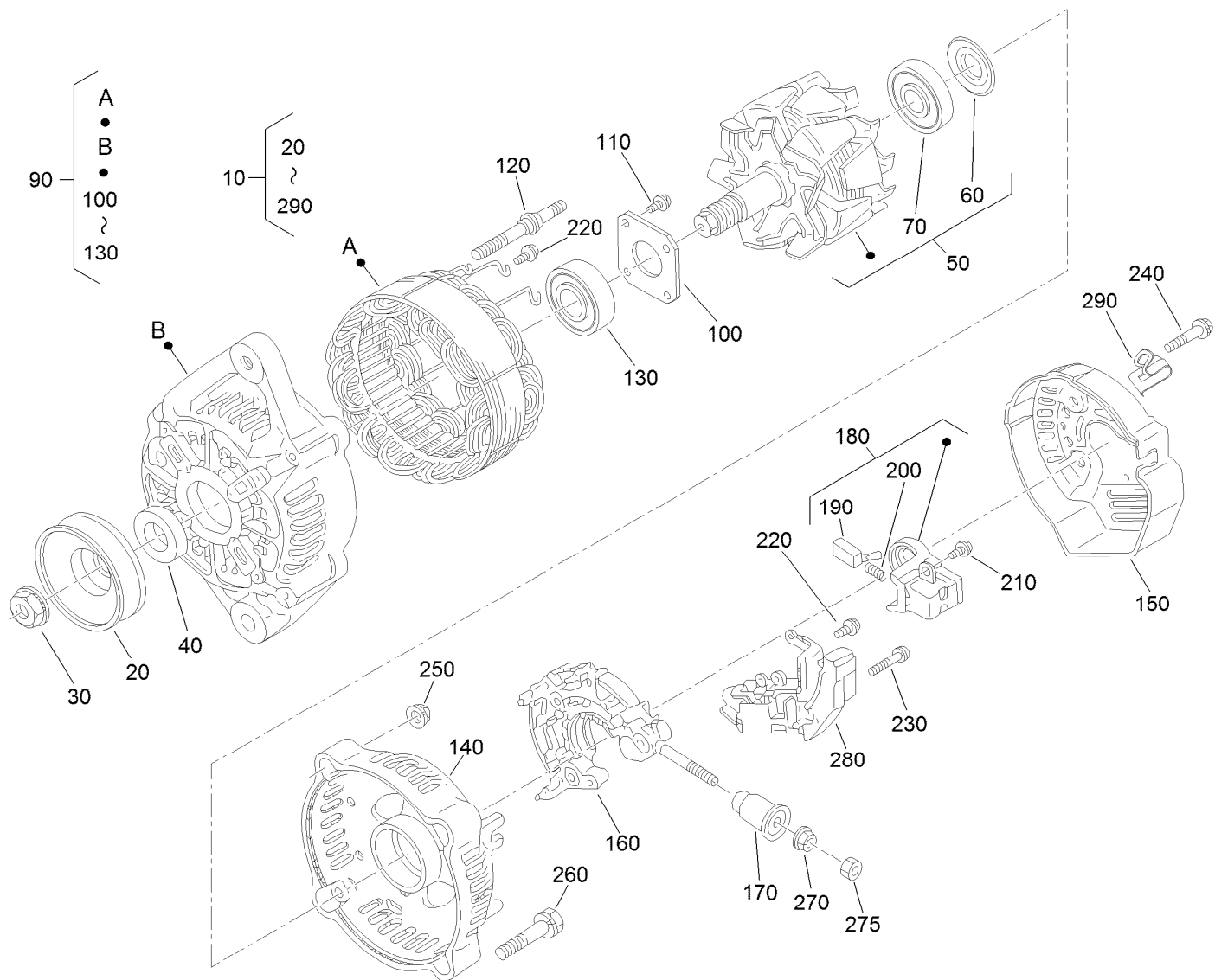
## Solenoid Cover and Hydraulic Pump Cover

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 10          | 127-0419           | 1           | Cover-Solenoid         |
| 20          | 98-9683            | 1           | Gasket-Cover, Solenoid |
| 30          | 98-7692            | 2           | Bolt                   |
| 50          | 112-7016           | 1           | Cover-Pump             |



## Alternator, Pulley and Fan Assembly

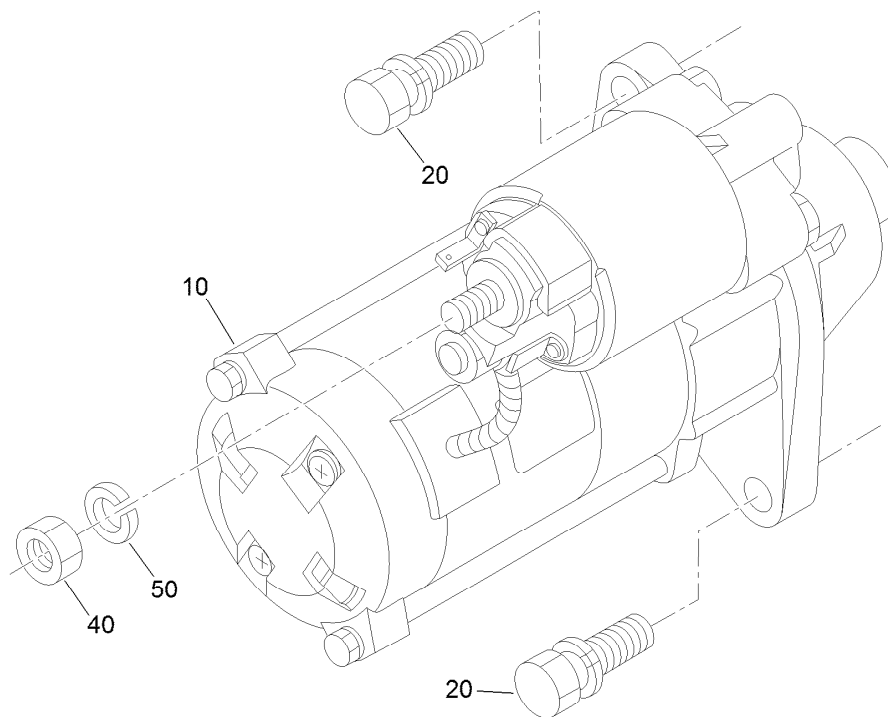
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 131-9567    | 1    | 60 Amp Alternator ASM |
| 20   | 117-5542    | 1    | Bracket               |
| 30   | 108-7088    | 1    | Bolt                  |
| 40   | 98-9360     | 1    | Bolt                  |
| 50   | 98-7737     | 1    | Nut                   |
| 60   | 98-9366     | 1    | Washer-Plain          |
| 70   | 98-7738     | 1    | Washer-Spring         |
| 90   | 98-7692     | 1    | Bolt                  |
| 110  | 105-3745    | 1    | Pulley-Drive, Fan     |
| 120  | 98-9585     | 1    | Bolt                  |
| 130  | 104-3494    | 1    | Belt-V                |
| 140  | 131-5803    | 1    | Fan                   |
| 150  | 98-9584     | 1    | Pulley-Fan            |
| 160  | 108-2872    | 1    | Collar-Fan            |
| 170  | 114-8414    | 4    | Screw-HHF             |



## Alternator Assembly No. 131-9567

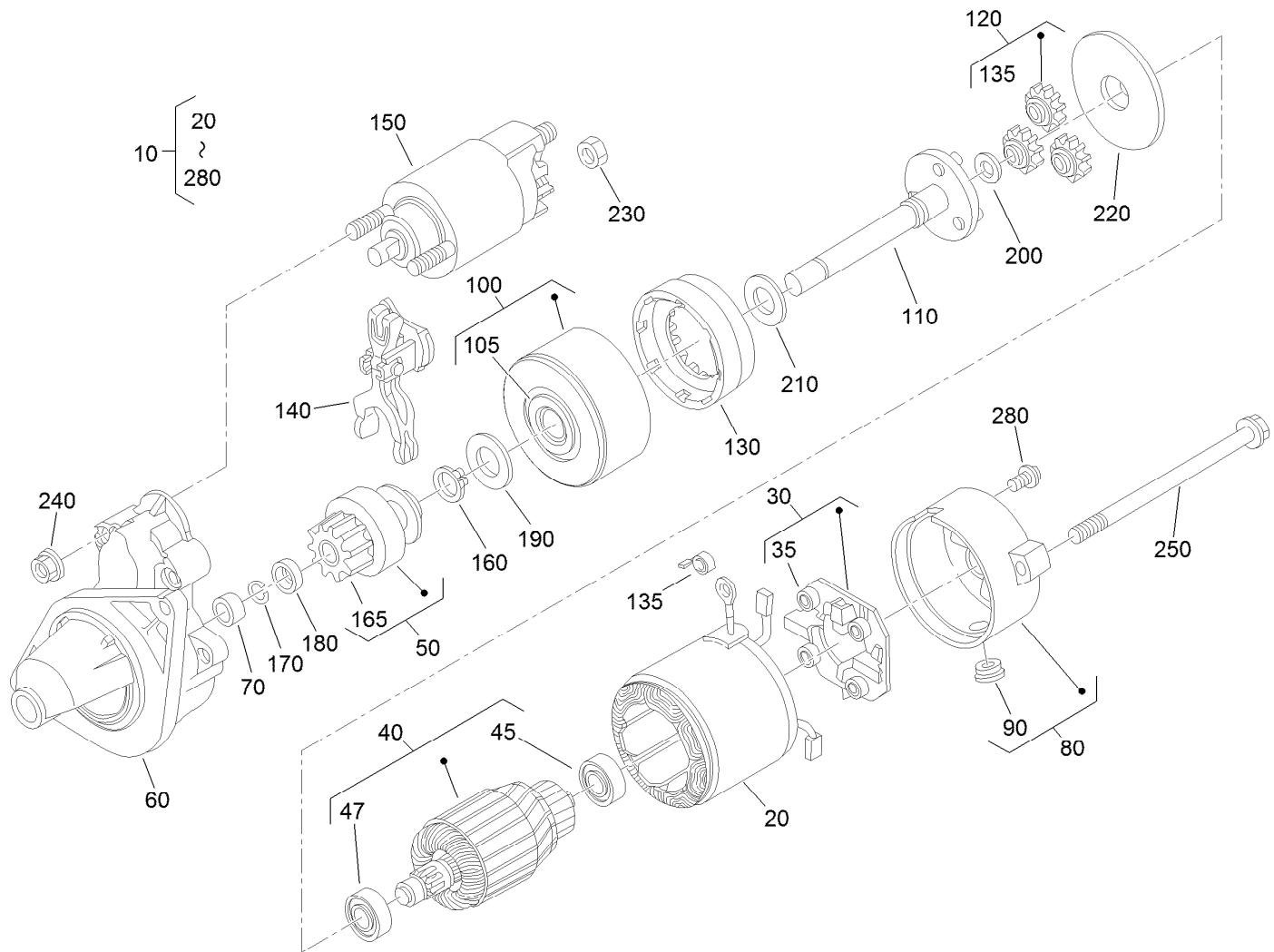
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 131-9567    | 1    | 60 Amp Alternator ASM |
| 20   | 98-9453     | 1    | Pulley-Dynamo         |
| 30   | 98-7708     | 1    | Nut                   |
| 40   | 98-7709     | 1    | Collar                |
| 50   | 107-0136    | 1    | Rotor ASM             |
| 60   | 98-7711     | 1    | Cover-Bearing         |
| 70   | 107-0138    | 1    | Bearing-Ball          |
| 90   | 131-9573    | 1    | Frame-End, Drive      |
| 100  | 98-7715     | 1    | Plate-Retainer        |
| 110  | 98-7716     | 4    | Screw-Head, Round     |
| 120  | 98-7717     | 2    | Bolt-Through          |
| 130  | 133-2811    | 1    | Bearing               |
| 140  | 121-3812    | 1    | Frame-End             |
| 150  | 121-3813    | 1    | Cover-End             |
| 160  | 121-3805    | 1    | Rectifier ASM         |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 170  | 117-0321    | 1    | Insulation-Brush  |
| 180  | 107-0141    | 1    | Brush Holder ASM  |
| 190  | 98-7724     | 2    | Brush             |
| 200  | 98-7725     | 2    | Spring-Brush      |
| 210  | 98-7726     | 2    | Screw-Head, Round |
| 220  | 98-7727     | 6    | Screw-Head, Round |
| 230  | 98-7728     | 1    | Screw-Head, Round |
| 240  | 98-7729     | 3    | Bolt              |
| 250  | 98-7730     | 2    | Nut               |
| 260  | 98-7731     | 2    | Bolt              |
| 270  | 98-7732     | 1    | Nut               |
| 275  | 100-1776    | 1    | Nut               |
| 280  | 121-3809    | 1    | Regulator ASM     |
| 290  | 120-5841    | 1    | Clamp-Cord        |



## Starter Installation Assembly

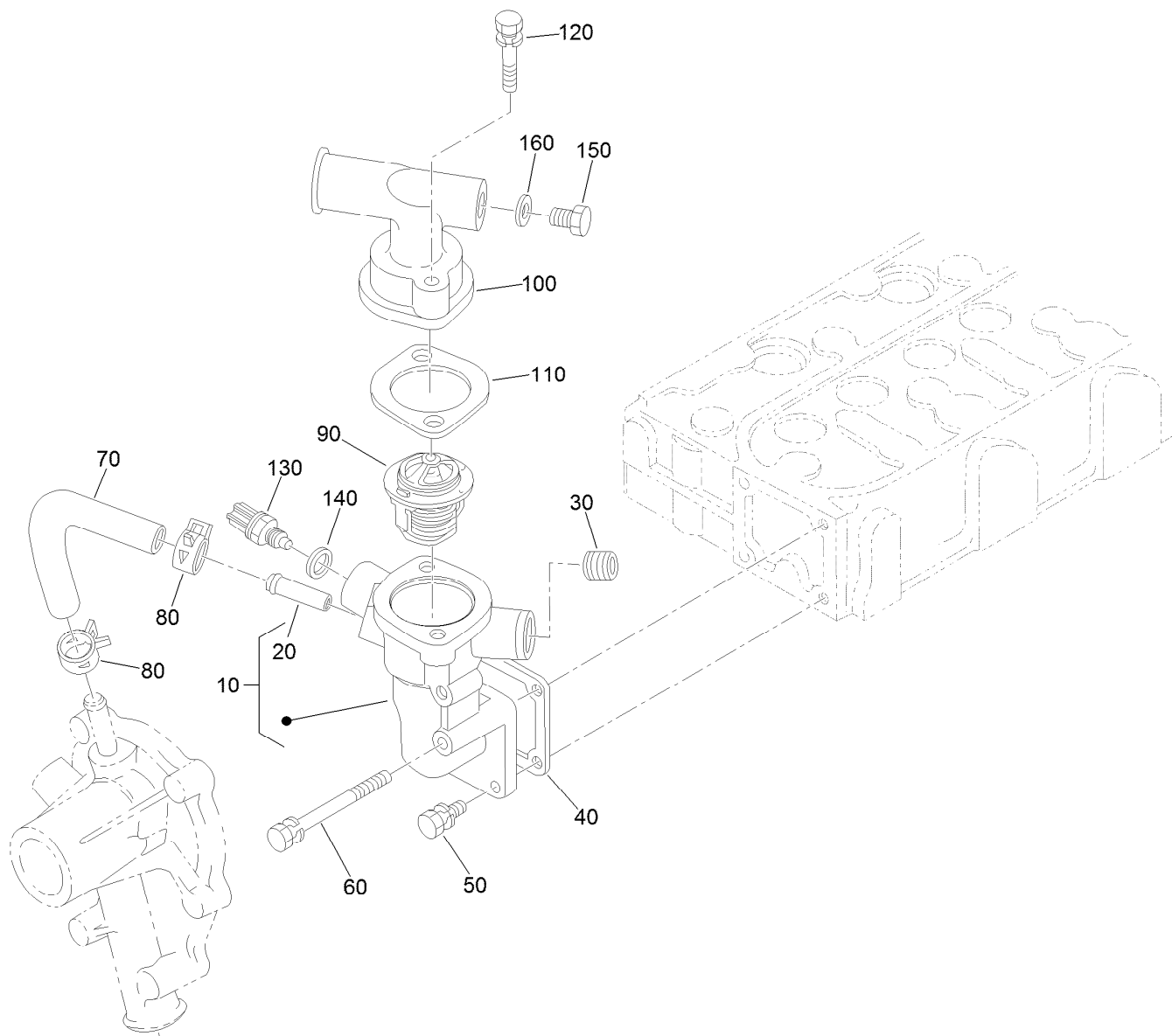
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 127-0495           | 1           | Starter ASM        |
| 20          | 98-7697            | 2           | Bolt               |
| 40          | 98-7739            | 1           | Nut                |
| 50          | 3253-4             | 1           | Washer-Lock        |



## Starter Components Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 127-0495    | 1    | Starter ASM         |
| 20   | 100-2181    | 1    | Starter Yoke ASM    |
| 30   | 100-2222    | 1    | Holder ASM          |
| 35   | 127-0415    | 4    | Spring-Brush        |
| 40   | 100-2182    | 1    | Armature ASM        |
| 45   | 98-9412     | 1    | Bearing-Ball        |
| 47   | 98-9411     | 1    | Bearing-Ball        |
| 50   | 100-2185    | 1    | Starter Clutch ASM  |
| 60   | 127-0490    | 1    | Starter Housing ASM |
| 70   | 100-2183    | 1    | Bearing             |
| 80   | 127-0449    | 1    | Frame ASM           |
| 90   | 100-2213    | 1    | Cover               |
| 100  | 100-2223    | 1    | Bearing ASM         |
| 105  | 127-0414    | 1    | Bearing             |
| 110  | 100-2187    | 1    | Starter Shaft ASM   |
| 120  | 100-2220    | 3    | Gear                |

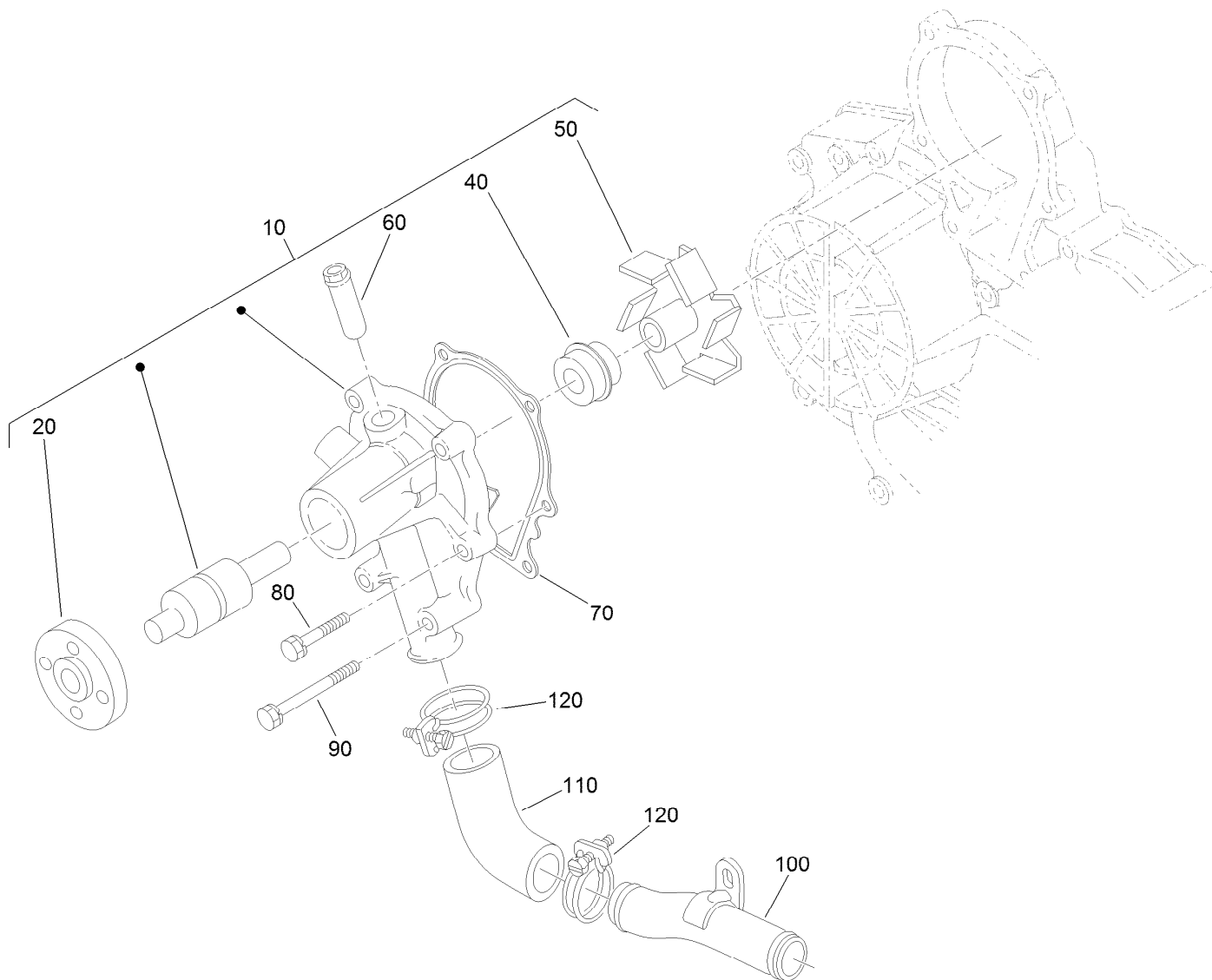
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 130  | 100-2221    | 1    | Gear            |
| 135  | 98-7750     | 4    | Spring-Brush    |
| 140  | 100-2218    | 1    | Lever           |
| 150  | 127-0448    | 1    | Switch-Magnetic |
| 160  | 100-2219    | 1    | Ring-Snap       |
| 165  | 112-2833    | 1    | Gear-Pinion     |
| 170  | 100-2212    | 1    | Ring-Snap       |
| 180  | 100-2216    | 1    | Collar          |
| 190  | 100-2224    | 1    | Washer-Plain    |
| 200  | 100-2225    | 1    | Washer-Plain    |
| 210  | 100-2226    | 1    | Washer-Plain    |
| 220  | 100-2227    | 1    | Plate           |
| 230  | 99-8371     | 1    | Nut-Hex         |
| 240  | 100-1813    | 2    | Nut             |
| 250  | 100-2210    | 2    | Bolt-Through    |
| 280  | 100-2188    | 2    | Screw           |



## Water Flange and Thermostat Assembly

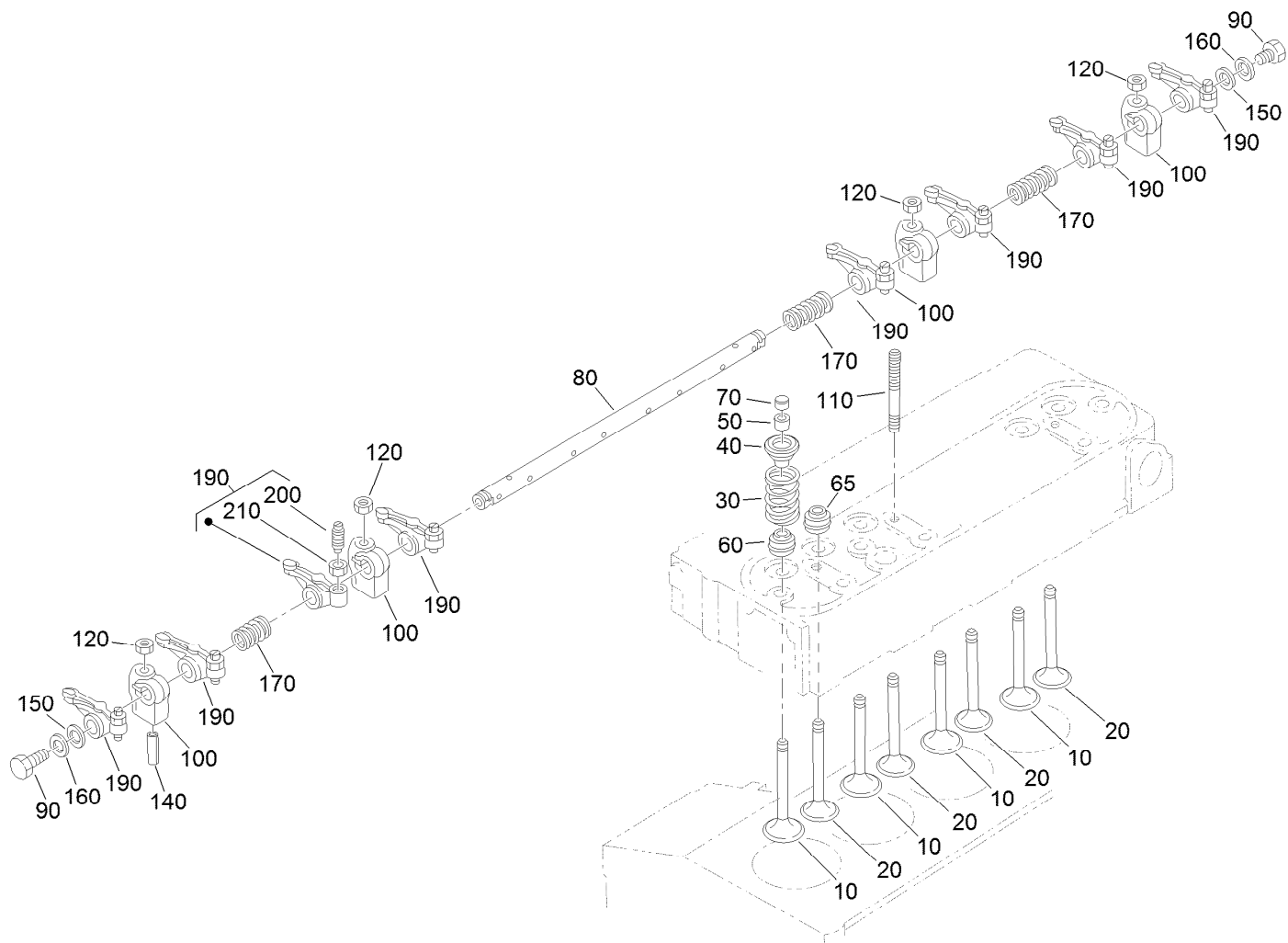
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 127-0435    | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 30   | 105-2874    | 1    | Plug                 |
| 40   | 98-9638     | 1    | Gasket-Flange, Water |
| 50   | 98-7692     | 3    | Bolt                 |
| 60   | 98-9356     | 1    | Bolt                 |
| 70   | 98-9578     | 1    | Pipe-Return, Water   |
| 80   | 125-9078    | 2    | Clamp-Hose           |

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 90   | 98-7778     | 1    | Thermostat ASM            |
| 100  | 108-2869    | 1    | Cover-Thermostat          |
| 110  | 105-3748    | 1    | Gasket-Thermostat         |
| 120  | 98-7777     | 2    | Bolt                      |
| 130  | 125-9102    | 1    | Sensor-Temperature, Water |
| 140  | 127-0410    | 1    | Washer-Seal               |
| 150  | 108-2870    | 1    | Plug-Drain                |
| 160  | 100-9155    | 1    | Gasket                    |



## Water Pump Assembly

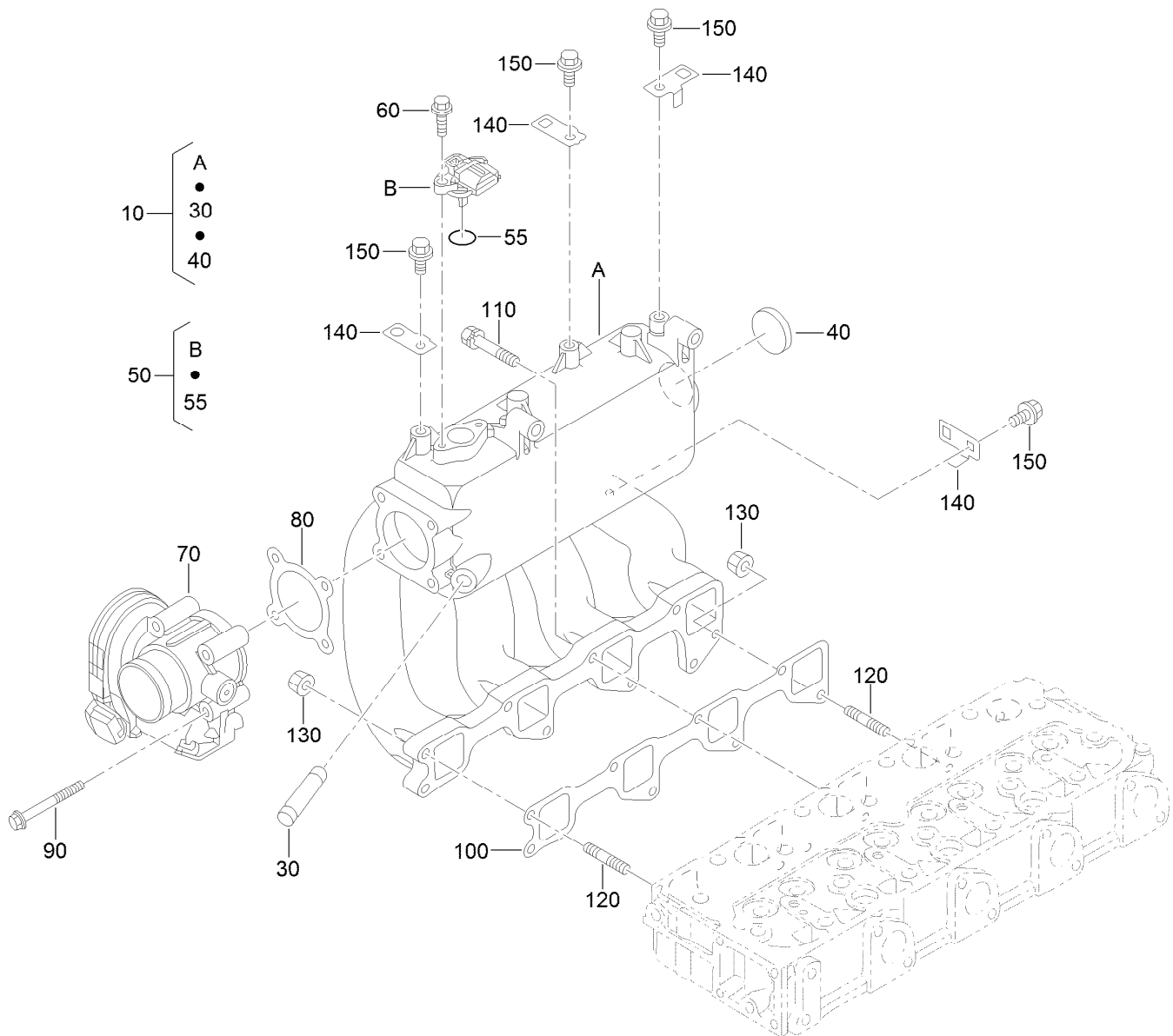
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 107-9089    | 1    | Water Pump ASM       |
| 20   | 99-3516     | 1    | Flange-Pump, Water   |
| 40   | 105-3750    | 1    | Mechanical Seal ASM  |
| 50   | 112-7017    | 1    | Impeller-Pump, Water |
| 60   | 100-1932    | 1    | Pipe-Return, Water   |
| 70   | 99-3454     | 1    | Gasket-Pump, Water   |
| 80   | 98-9353     | 4    | Bolt                 |
| 90   | 107-9090    | 2    | Bolt                 |
| 100  | 98-9716     | 1    | Pipe-Water           |
| 110  | 107-9091    | 1    | Pipe-Water           |
| 120  | 127-0439    | 2    | Clamp-Hose           |



## Valve and Rocker Arm Assembly

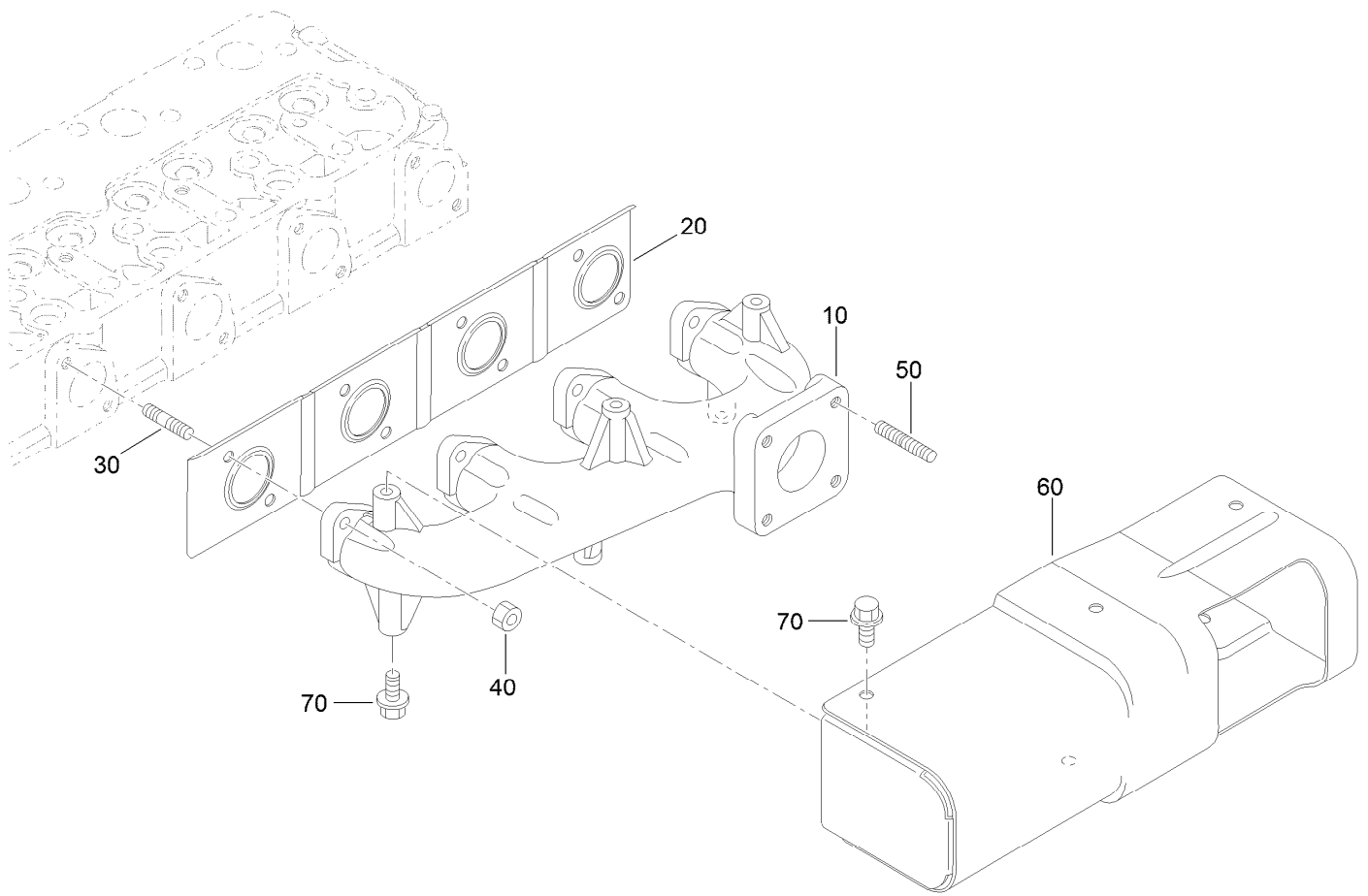
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 127-0475    | 4    | Valve-Intake         |
| 20   | 127-0476    | 4    | Valve-Exhaust        |
| 30   | 98-9626     | 8    | Spring-Valve         |
| 40   | 107-9092    | 8    | Retainer-Spring      |
| 50   | 117-7572    | 8    | Collet-Spring, Valve |
| 60   | 99-8385     | 4    | Seal-Stem, Valve     |
| 65   | 127-0477    | 4    | Seal-Stem, Valve     |
| 70   | 98-9497     | 8    | Cap-Valve            |
| 80   | 127-0420    | 1    | Shaft-Arm, Rocker    |
| 90   | 99-8363     | 2    | Bolt-Flange          |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 100  | 98-9505     | 4    | Bracket-Arm, Rocker      |
| 110  | 98-9506     | 4    | Stud                     |
| 120  | 131-6563    | 4    | Nut-Flange               |
| 140  | 105-3758    | 1    | Pin-Spring               |
| 150  | 98-9507     | 2    | Washer-Shaft, Rocker Arm |
| 160  | 110-3832    | 2    | Washer-Plain             |
| 170  | 98-9504     | 3    | Spring-Arm, Rocker       |
| 190  | 112-7020    | 8    | Rocker Arm ASM           |
| 200  | 98-9502     | 8    | Screw-Adjusting          |
| 210  | 98-9503     | 8    | Nut                      |



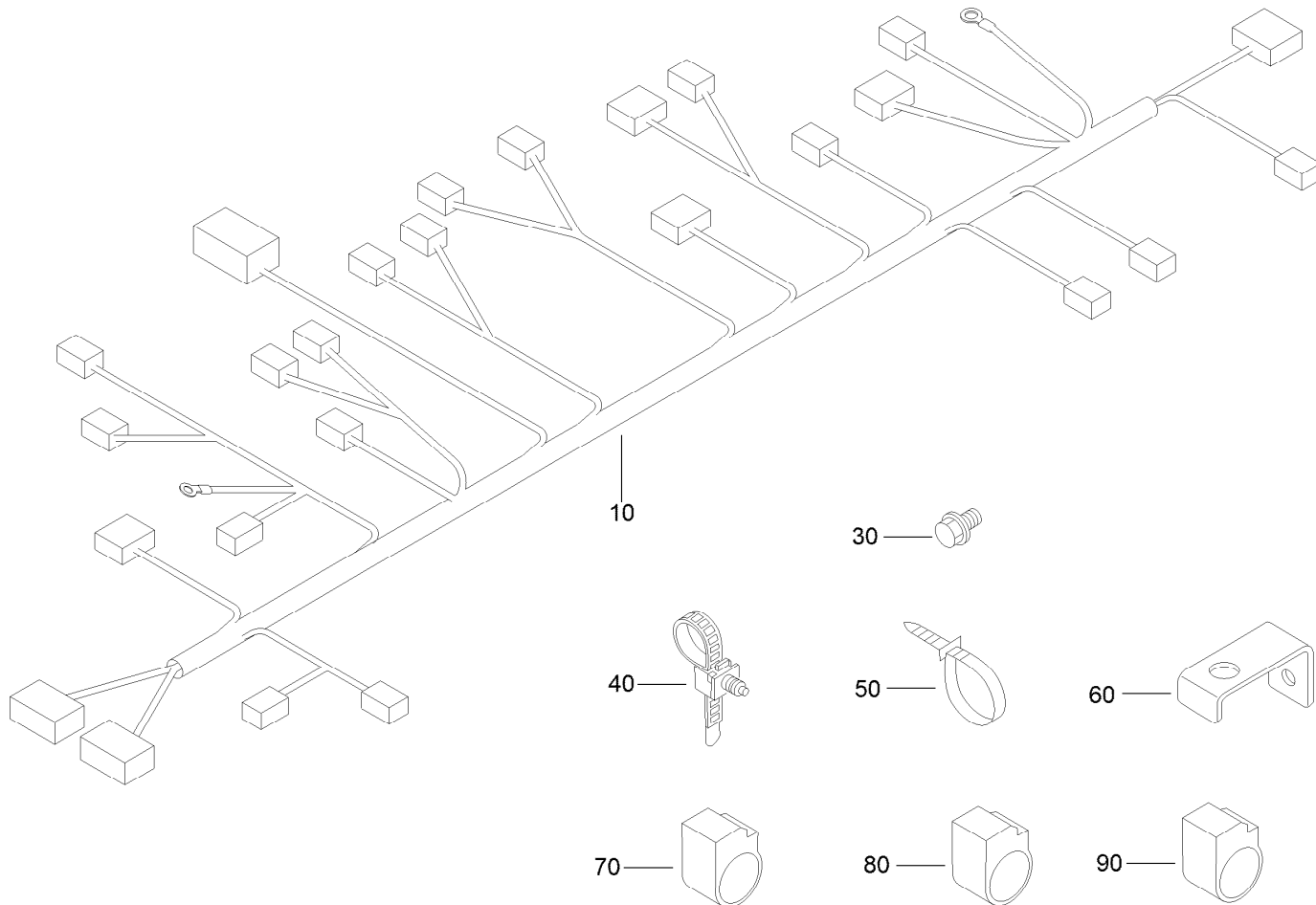
## Inlet Manifold Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 127-0471    | 1    | Manifold-Intake      |
| 30   | 127-0470    | 1    | Joint-Tube, Breather |
| 40   | 98-7539     | 1    | Cap-Sealing          |
| 50   | 125-9110    | 1    | Sensor (Tmap)        |
| 55   | 125-9112    | 1    | O Ring               |
| 60   | 125-9111    | 2    | Bolt-Flange          |
| 70   | 127-0492    | 1    | Throttle Body ASM    |
| 80   | 127-0493    | 1    | Gasket-Throttle      |
| 90   | 127-0405    | 1    | Bolt-Flange          |
| 100  | 127-0472    | 1    | Gasket-Intake        |
| 110  | 98-9352     | 6    | Bolt                 |
| 120  | 125-9092    | 2    | Stud                 |
| 130  | 100-2203    | 2    | Nut-Flange           |
| 140  | 127-0496    | 4    | Bracket-Harness      |
| 150  | 100-1774    | 4    | Bolt-Flange          |



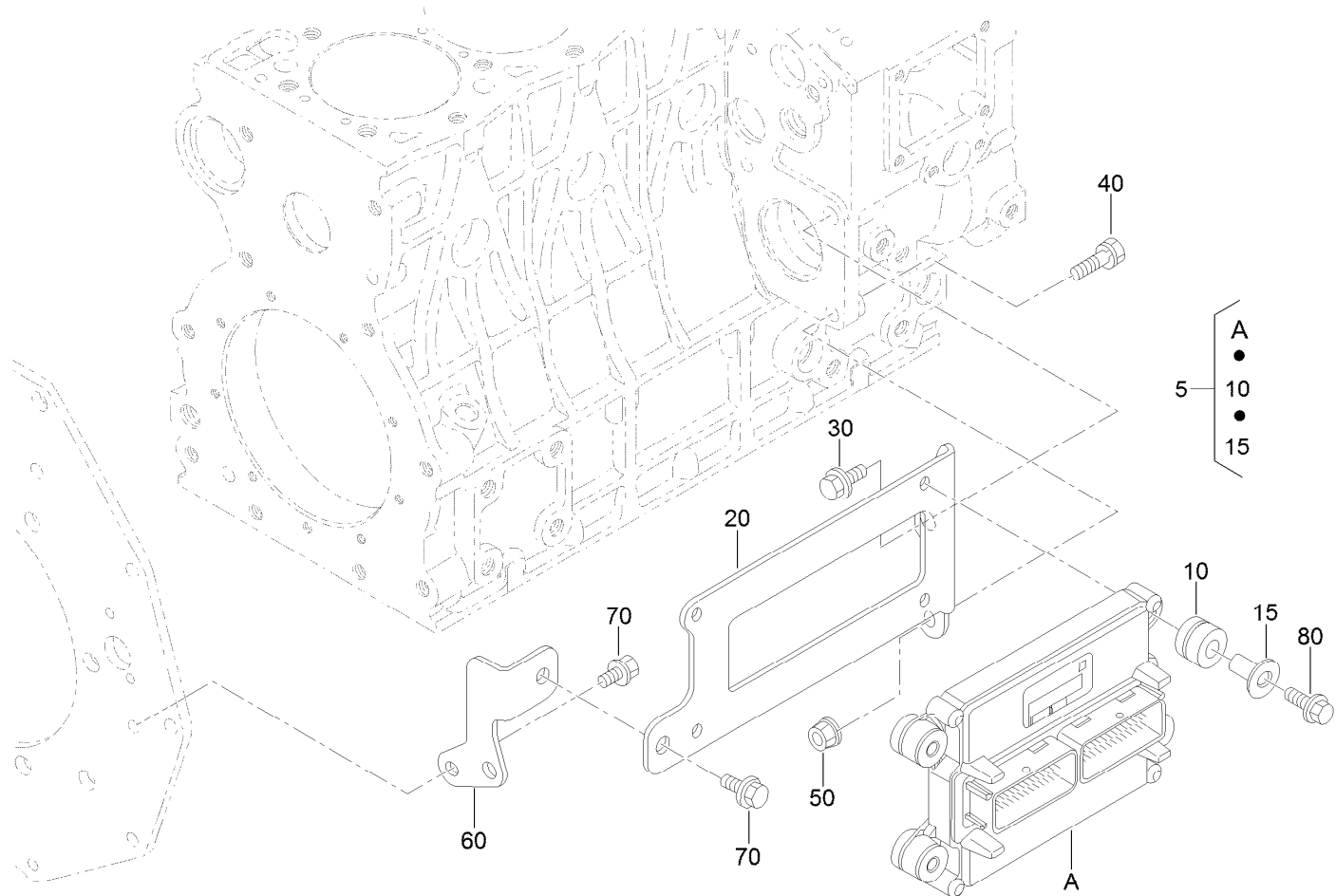
## Exhaust Manifold Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 10          | 131-9592           | 1           | Manifold-Exhaust         |
| 20          | 127-0474           | 1           | Gasket-Manifold, Exhaust |
| 30          | 127-0507           | 8           | Stud                     |
| 40          | 98-9665            | 8           | Nut                      |
| 50          | 127-0446           | 4           | Stud                     |
| 60          | 131-9593           | 1           | Cover-Exhaust            |
| 70          | 99-8363            | 6           | Bolt-Flange              |



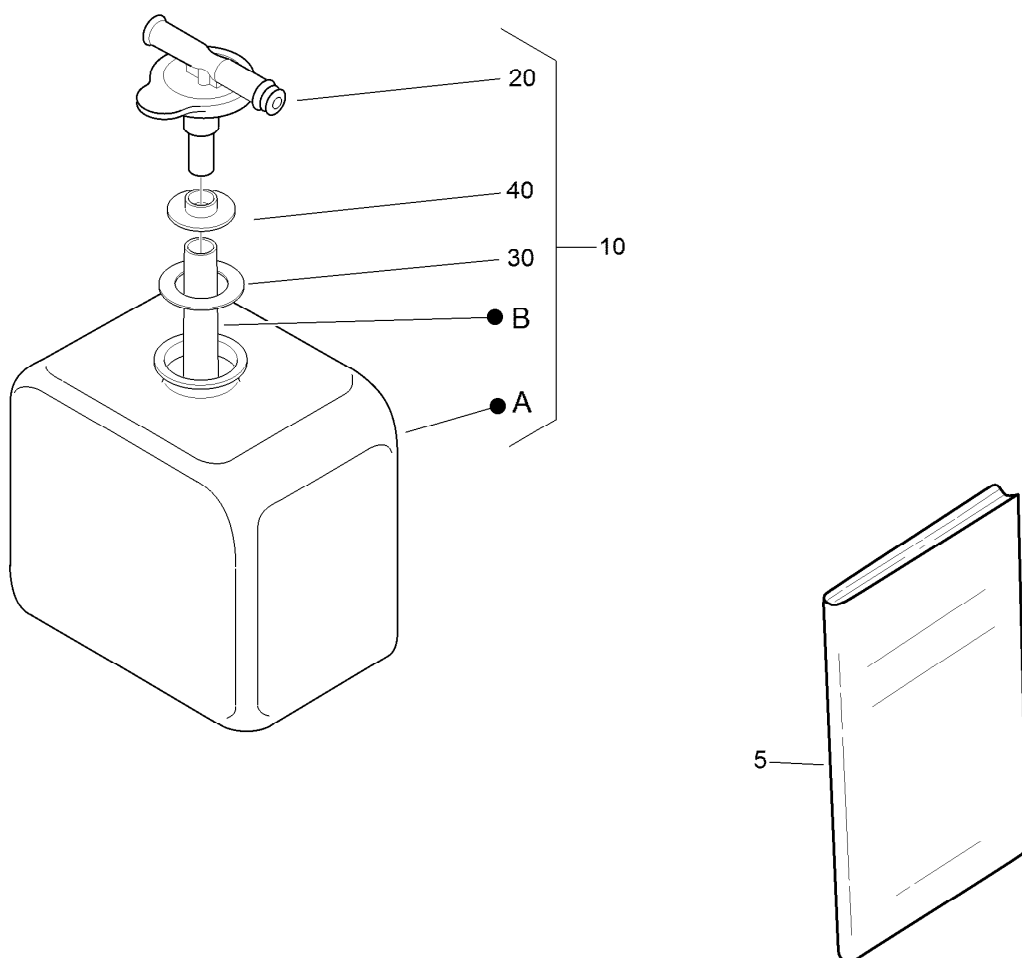
## Wire Harness Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|
| 10          | 147-0610           | 1           | Wire Harness & Fusebox ASM |
| 30          | 115-8504           | 1           | Bolt-Flange                |
| 40          | 127-0515           | 1           | Clamp                      |
| 50          | 127-0447           | 4           | Band-Cord                  |
| 60          | 127-0497           | 1           | Bracket-Harness            |
| 70          | 127-0514           | 1           | Clamp                      |
| 80          | 127-0513           | 2           | Clamp                      |
| 90          | 127-0512           | 1           | Clamp                      |



## Electronic Control Unit Assembly

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 5    | 133-2789    | 1    | Electronic Control Unit ASM |
| 10   | 127-0501    | 4    | Rubber-Cushion              |
| 15   | 127-0500    | 4    | Spacer (E C U)              |
| 20   | 127-0502    | 1    | Stay-E C M                  |
| 30   | 127-0406    | 1    | Bolt-Flange                 |
| 40   | 98-7697     | 1    | Bolt                        |
| 50   | 112-2492    | 1    | Nut-Flange                  |
| 60   | 127-0503    | 1    | Stay-E C M                  |
| 70   | 115-8504    | 2    | Bolt-Flange                 |
| 80   | 125-9094    | 4    | Bolt-Flange                 |



## Miscellaneous Engine Parts

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 5           | 136-2287           | 1           | Manual-Owners      |
| 10          | 108-0638           | 1           | Bottle-Overflow    |
| 20          | 105-3754           | 1           | Cap                |
| 30          | 105-3755           | 1           | Gasket             |
| 40          | 105-3756           | 1           | Plate              |

# Attachments and Accessories

## For 41394 Multi Pro 5800-G Turf Sprayer with ExcelaRate Spray System

| Product Name                                                                                          | Model/Part |
|-------------------------------------------------------------------------------------------------------|------------|
| Premium All Season Hydraulic Fluid (55 Gallon Drum) .....                                             | 108-1177   |
| Premium All Season Hydraulic Fluid (5 Gallon Pail) .....                                              | 108-1178   |
| Premium Heavy Duty All Season Gear Lube (Pail) .....                                                  | 108-1188   |
| Premium All Purpose Grease (Tube) .....                                                               | 108-1190   |
| Premium Heavy Duty All Season Gear Lube (Quart) .....                                                 | 108-1591   |
| Spark Arrestor .....                                                                                  | 115-2919   |
| Tire .....                                                                                            | 119-6021   |
| Beacon Kit .....                                                                                      | 120-8505   |
| License Plate Kit .....                                                                               | 120-8506   |
| Covered Boom Spring Upgrade Kit .....                                                                 | 120-8508   |
| Premium Engine Oil 10w30 (55 Gallon Drum) .....                                                       | 121-6392   |
| Premium Engine Oil 10w30 (5 Gallon Pail) .....                                                        | 121-6393   |
| Wheel And Tire Asm .....                                                                              | 127-1100   |
| Lance Suction Assembly .....                                                                          | 127-9826   |
| Ultra Sonic Boom Finishing Kit .....                                                                  | 130-8229   |
| Right Hand Step Kit .....                                                                             | 130-8230   |
| Left Hand Step Kit .....                                                                              | 130-8231   |
| Finishing Kit, Foam Marker for Serial Number 315000001 and After Multi Pro 5800 Turf<br>Sprayer ..... | 136-0458   |
| CE Kit, Multi Pro 5800-G Turf Sprayer .....                                                           | 144-6200   |
| Rear Work Light Kit .....                                                                             | 41010      |
| Single Nozzle Kit .....                                                                               | 41023      |
| Hand Spray Wand Kit .....                                                                             | 41118      |
| Pro Foam Concentrate (4 x 1 Gallon) .....                                                             | 41157      |
| Nozzalert - Mp Nozzle Flow System .....                                                               | 41166      |
| Ultra Sonic Boom Leveling Kit .....                                                                   | 41219      |
| Foam Marker Kit .....                                                                                 | 41249      |
| Drift Reduction Boom Shroud Kit .....                                                                 | 41602      |
| Pro-Foam .....                                                                                        | 41607      |
| Tank Rinse Kit .....                                                                                  | 41614      |
| Pivoting Hose Reel Kit .....                                                                          | 41621      |
| Eductor Kit .....                                                                                     | 41622      |
| TNL Reference Antenna Kit, MR-2 .....                                                                 | 41635      |
| Autoguidance Kit - Multi Pro 5800 .....                                                               | 41636      |

**Notes:**

**Notes:**

**Notes:**



**Count on it.**