



**Count on it.**

Form No. 3398-130 Rev A

# Parts Catalog

## 4050 Directional Drill

Model No. 23898—Serial No. 315000001 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.

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HP:** high pressure

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** low pressure

**LPG:** Liquefied Petroleum Gas

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

# Contents

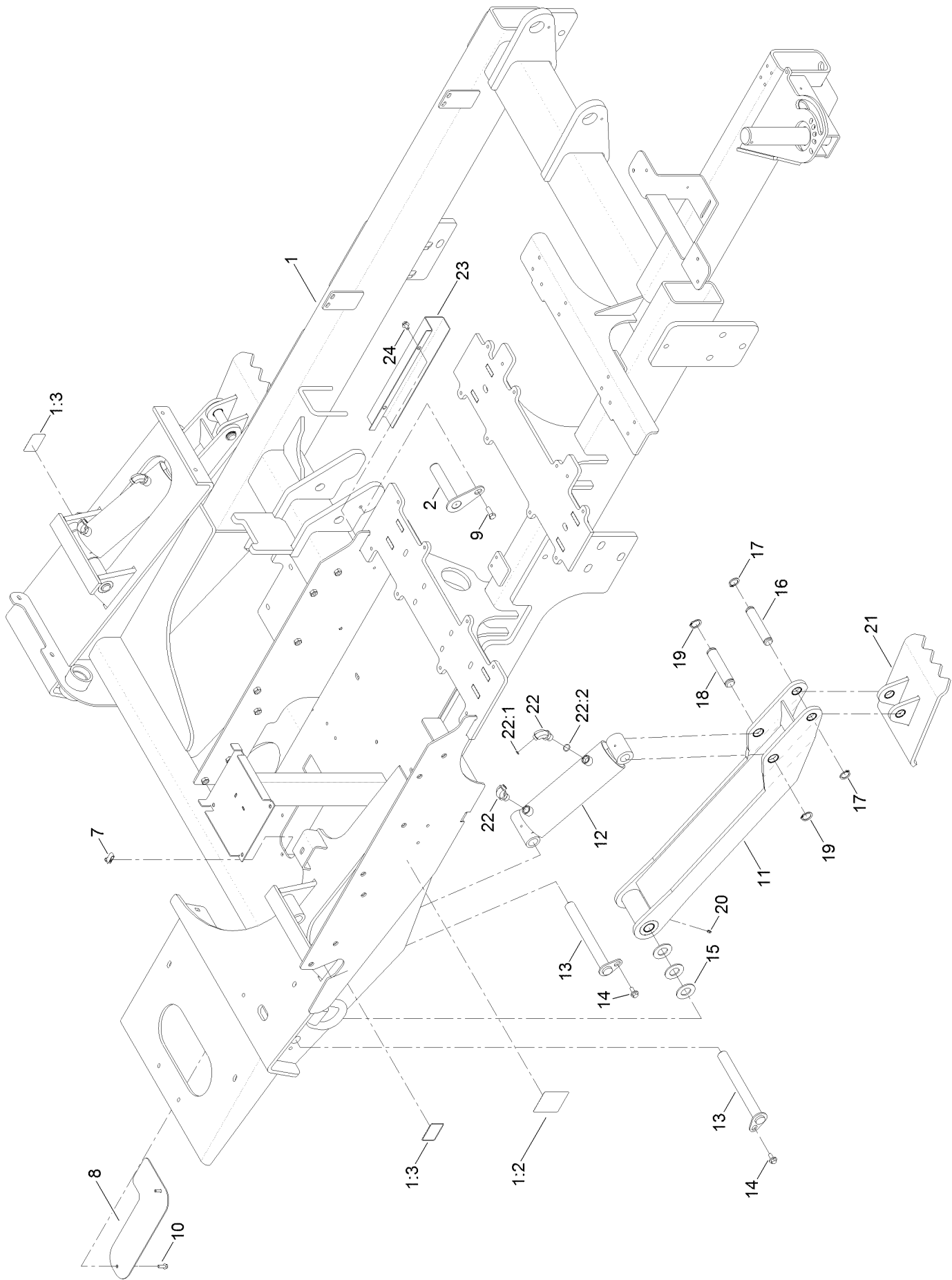
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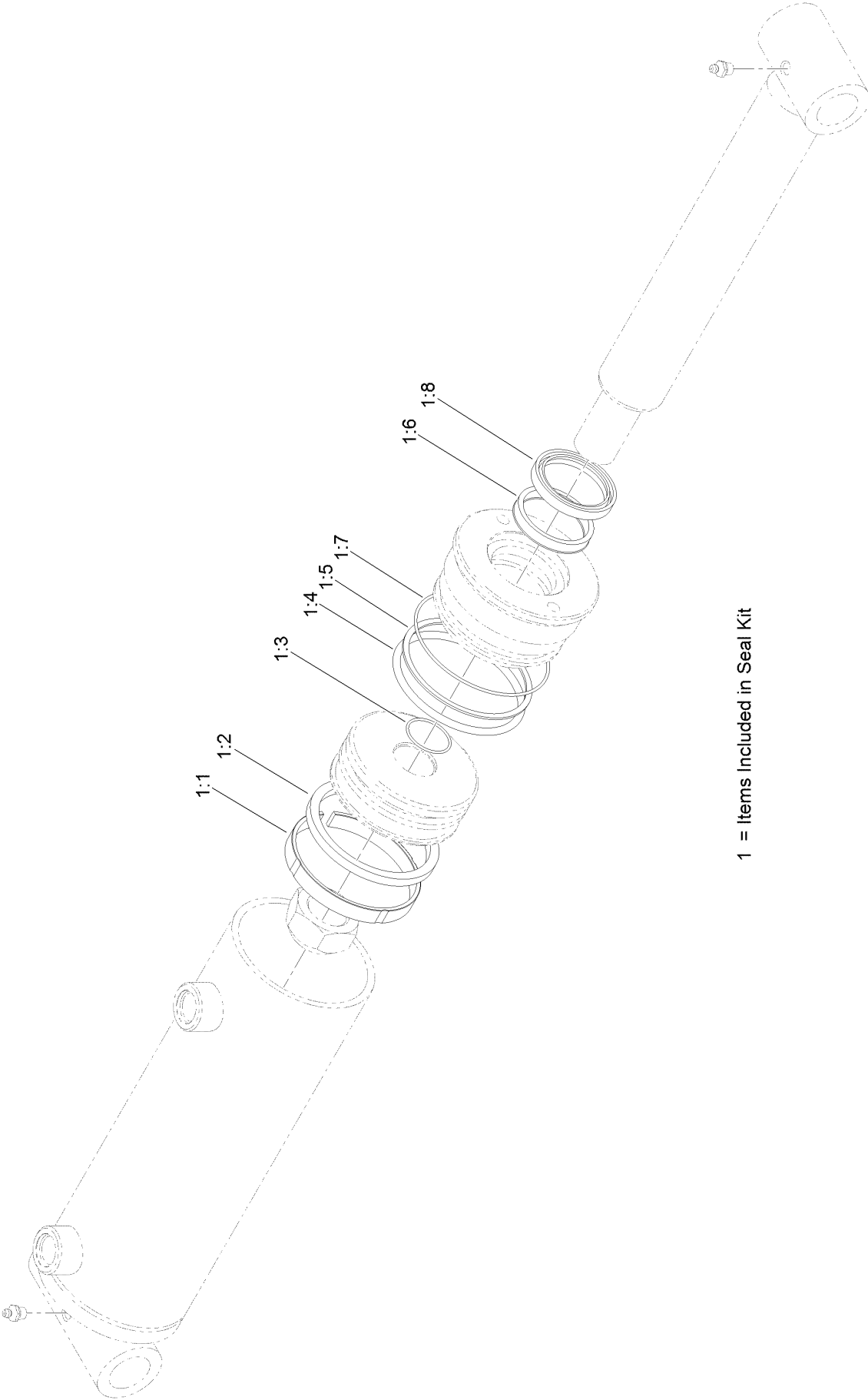
# Frame Assembly



## Frame Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|-----------------------------------|
| 1           | 127-0923           | 1           | Frame ASM                   | 15          | AU496-11131        | 6           | Washer-Hardened                   |
| 1:2         | 125-6107           | 1           | Decal-Warning, Crushing     | 16          | AUH434379          | 2           | Pin (Stabilizer Pad End)          |
| 1:3         | 125-6139           | 2           | Decal-Lift/Tie Down         | 17          | 100-6785           | 4           | Ring-Retaining                    |
| 2           | AU111271           | 1           | Pin-Dipper Cylinder To Boom | 18          | AUH434380          | 2           | Pin-Stabilizer (Cylinder Rod End) |
| 7           | AU100862           | 2           | Nut-U                       | 19          | AU103-16125        | 4           | Ring-Retaining                    |
| 8           | AU122040-03        | 1           | Cover-Valve, 5 Section      | 20          | 302-57             | 2           | Fitting-Grease                    |
| 9           | 106-0378           | 1           | Screw-HH                    | 21          | AU120109-03        | 2           | Foot-Stabilizer                   |
| 10          | 33104-025          | 2           | Screw-HHF                   | 22          | 340-130            | 4           | Fitting-Elbow, 90                 |
| 11          | AU116295-03        | 2           | Stabilizer                  | 22:1        | 237-22             | 1           | O-Ring                            |
| 12          | AU116285           | 2           | HYD Cylinder ASM            | 22:2        | 237-80             | 1           | O-Ring                            |
| 13          | AU116290           | 4           | Pin-W/Flag                  | 23          | AU130072-03        | 1           | Plate-Guard, Wire Harness         |
| 14          | 33106-025          | 4           | Screw-HHF                   | 24          | 33105-016          | 2           | Screw-HHF                         |

# Hydraulic Cylinder Assembly No. AU116285



1 = Items Included in Seal Kit

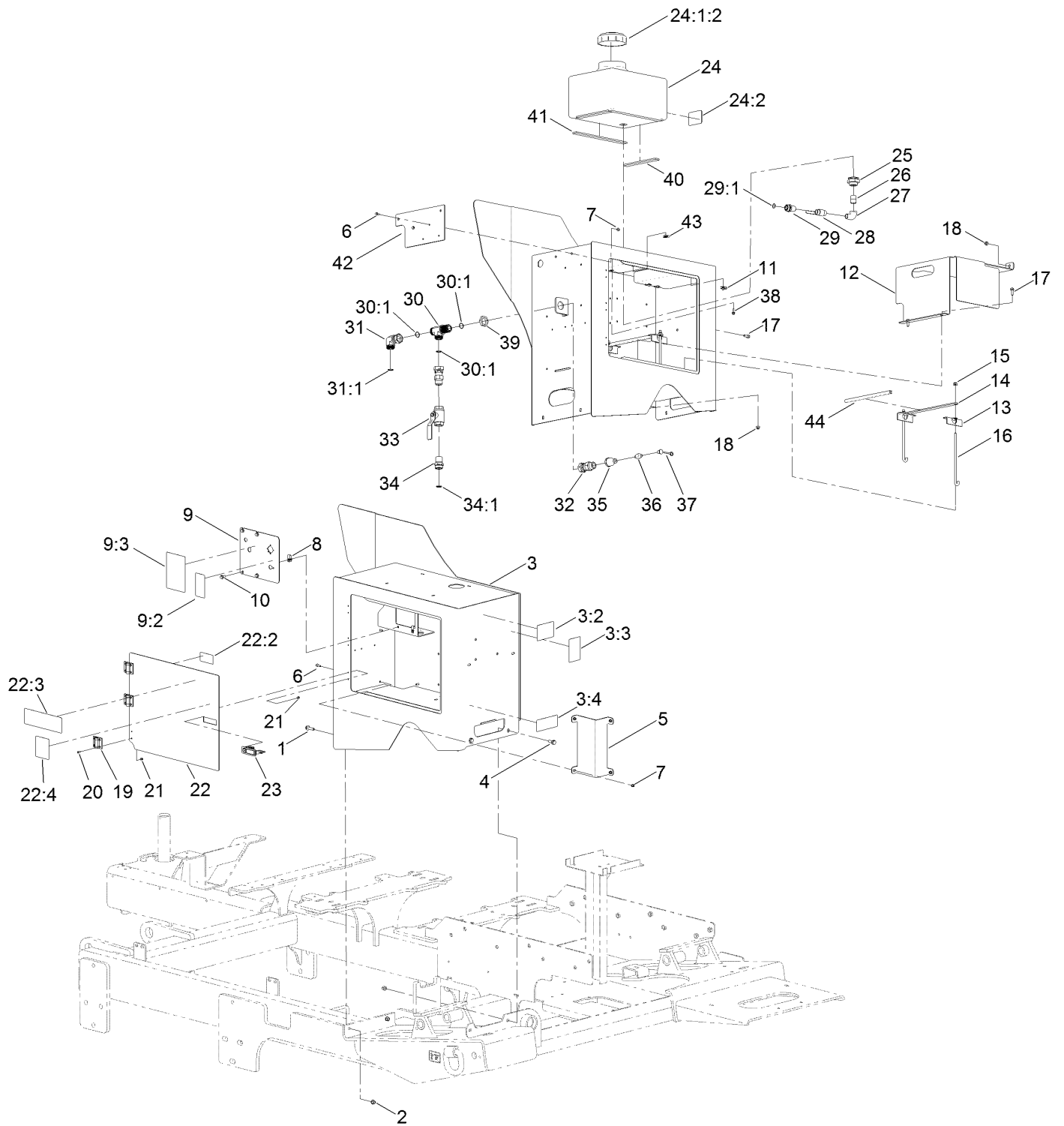
# Hydraulic Cylinder Assembly No. AU116285 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU8HC40017-1       | 1           | Seal Kit           |
| 1:1         |                    | 1           | Ring-Bearing ●     |
| 1:2         |                    | 1           | Teflon Seal ASM ●  |
| 1:3         |                    | 1           | O-Ring ●           |
| 1:4         |                    | 1           | O-Ring ●           |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:5         |                    | 1           | Washer-Backup ●    |
| 1:6         |                    | 1           | Cup-U ●            |
| 1:7         |                    | 1           | O-Ring ●           |
| 1:8         |                    | 1           | Wiper ●            |

● Not serviced separately

# Control Box Assembly



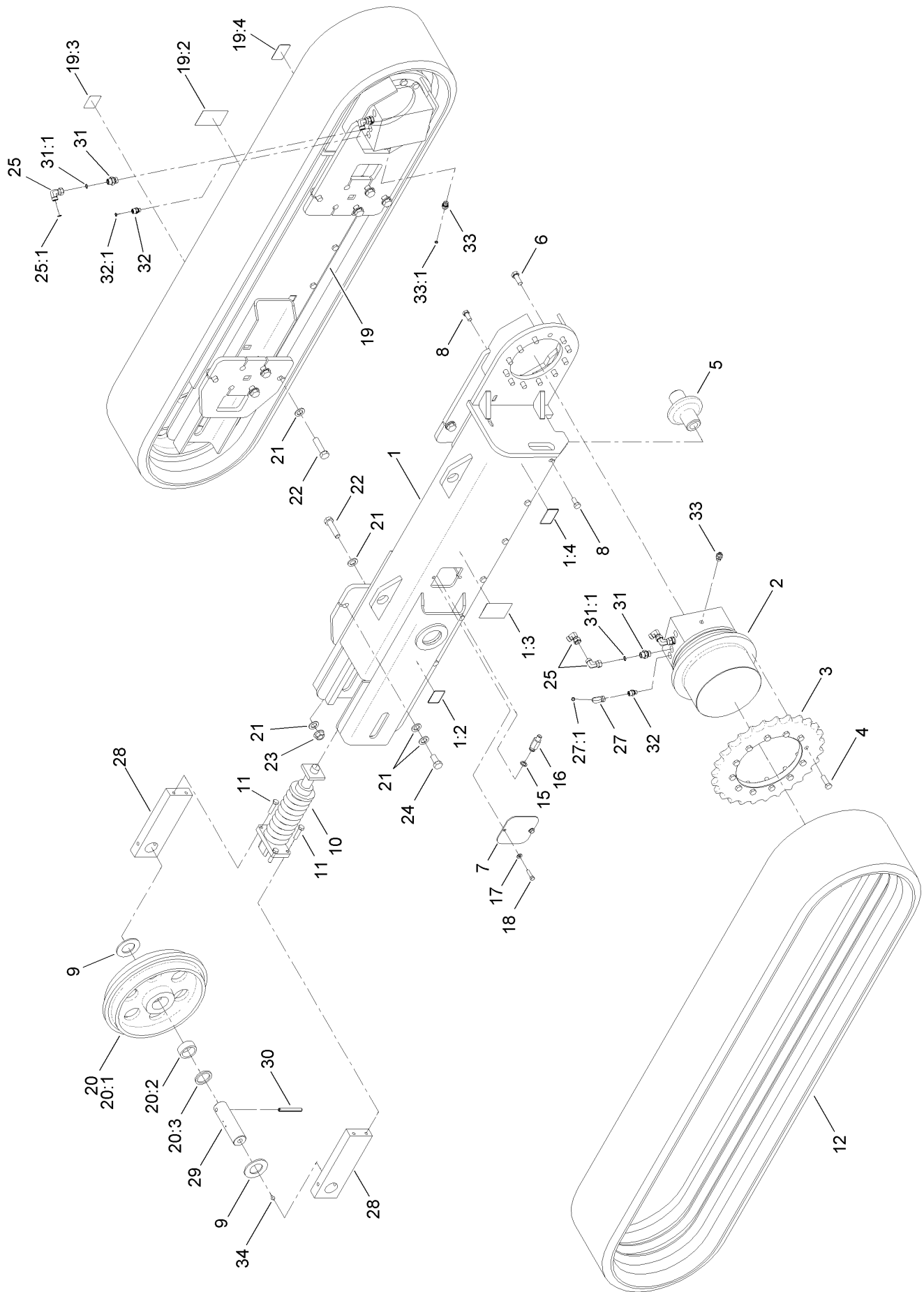
## Control Box Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|----------------------------------|
| 1           | AU100331           | 2           | Screw-HHF                         | 23          | AU50GB2302         | 1           | Latch-Trigger, Raised (W/Lock)   |
| 2           | 103-9511           | 4           | Nut-Lock, NI                      | 23:1        | 131-0148           | 1           | Key-Replacement ●                |
| 3           | 127-0925           | 1           | Control Box ASM                   | 24          | 127-0927           | 1           | Antifreeze Tank ASM              |
| 3:2         | 125-6120           | 1           | Decal-Raise And Lower             | 24:1        |                    | 1           | Tank ● ■                         |
| 3:3         | 125-6118           | 1           | Decal-Danger, Back Up             | 24:1:2      | 127-0877           | 1           | Lid-Tank                         |
| 3:4         | 125-6128           | 1           | Decal-Warning, Hydraulic Pressure | 24:2        | 125-6137           | 1           | Decal-Antifreeze                 |
| 4           | 33105-030          | 2           | Screw-HHF                         | 25          | AU20MC8508         | 1           | Fitting-Tank, Bulkhead (Plastic) |
| 5           | AU117627-03        | 1           | Plate-Corner, Console             | 26          | AU221-1211         | 1           | Nipple-Straight                  |
| 6           | 33103-020          | 6           | Screw-HHF                         | 27          | AU221-1415         | 1           | Elbow-Street, 90 DEG             |
| 7           | 81-0130            | 6           | Nut-Flange, NI                    | 28          | AU8HV21012         | 1           | Valve-Ball                       |
| 8           | AU100862           | 4           | Nut-U                             | 29          | AU8OA11212         | 1           | Fitting-Straight                 |
| 9           | 130-4527           | 1           | Control Plate ASM                 | 29:1        | 237-58             | 1           | O-Ring                           |
| 9:2         | 125-6157           | 1           | Decal-Disconnect, Battery         | 30          | 92-7550            | 1           | Fitting-Tee, Bulkhead            |
| 9:3         | 125-6141           | 1           | Decal-Rear Controls Overlay       | 30:1        | 340-65             | 3           | O-Ring                           |
| 10          | 33104-020          | 4           | Screw-HHF                         | 31          | 92-7645            | 1           | Fitting-Swivel, 90 DEG           |
| 11          | AU100861           | 3           | Nut-U                             | 31:1        | 340-65             | 1           | O-Ring                           |
| 12          | AU117625-03        | 1           | Plate-Cover                       | 32          | AU8OA65016         | 2           | Fitting-Straight                 |
| 13          | AUD125079          | 4           | Angle-Holddown, Battery           | 33          | AU8HV22016         | 1           | Valve-Ball                       |
| 14          | AU117616-03        | 2           | Plate-Hold Down, Battery          | 34          | AU8OA11616         | 1           | Fitting-Straight                 |
| 15          | 104-8301           | 4           | Nut-Flange, NI                    | 34:1        | 340-65             | 1           | O-Ring                           |
| 16          | AUH436311          | 4           | Bolt-Holddown, Battery            | 35          | AU8PC11604         | 1           | Fitting-Reducer                  |
| 17          | 33104-025          | 4           | Screw-HHF                         | 36          | AU8QD55204         | 1           | Nipple-Quick Disconnect          |
| 18          | 104-3082           | 4           | Nut-Lock, HHF                     | 37          | 130-4503           | 1           | Cap-Dust                         |
| 19          | AU123695           | 3           | Hinge                             | 38          | 3234-4             | 4           | Screw-HHF                        |
| 20          | 1-803071           | 12          | Screw                             | 39          | 340-128            | 1           | Nut-Bulkhead                     |
| 21          | 120-4578           | 12          | Nut-HF                            | 40          | 127-0975           | 2           | Strip-Seal                       |
| 22          | 127-0924           | 1           | Door ASM                          | 41          | 127-0974           | 2           | Strip-Seal                       |
| 22:2        | 125-8473           | 1           | Decal-Warning, Battery            | 42          | 130-4451-03        | 1           | Plate-Lockout, Cylinder          |
| 22:3        | 125-6113           | 1           | Decal-Safety                      | 43          | AU108120           | 2           | Nut-U                            |
| 22:4        | 125-6117           | 1           | Decal-Danger, No Riders (Rear)    | 44          | 127-1293           | 2           | Trim-Battery                     |

● Not illustrated

■ Not serviced separately

# Track Assembly

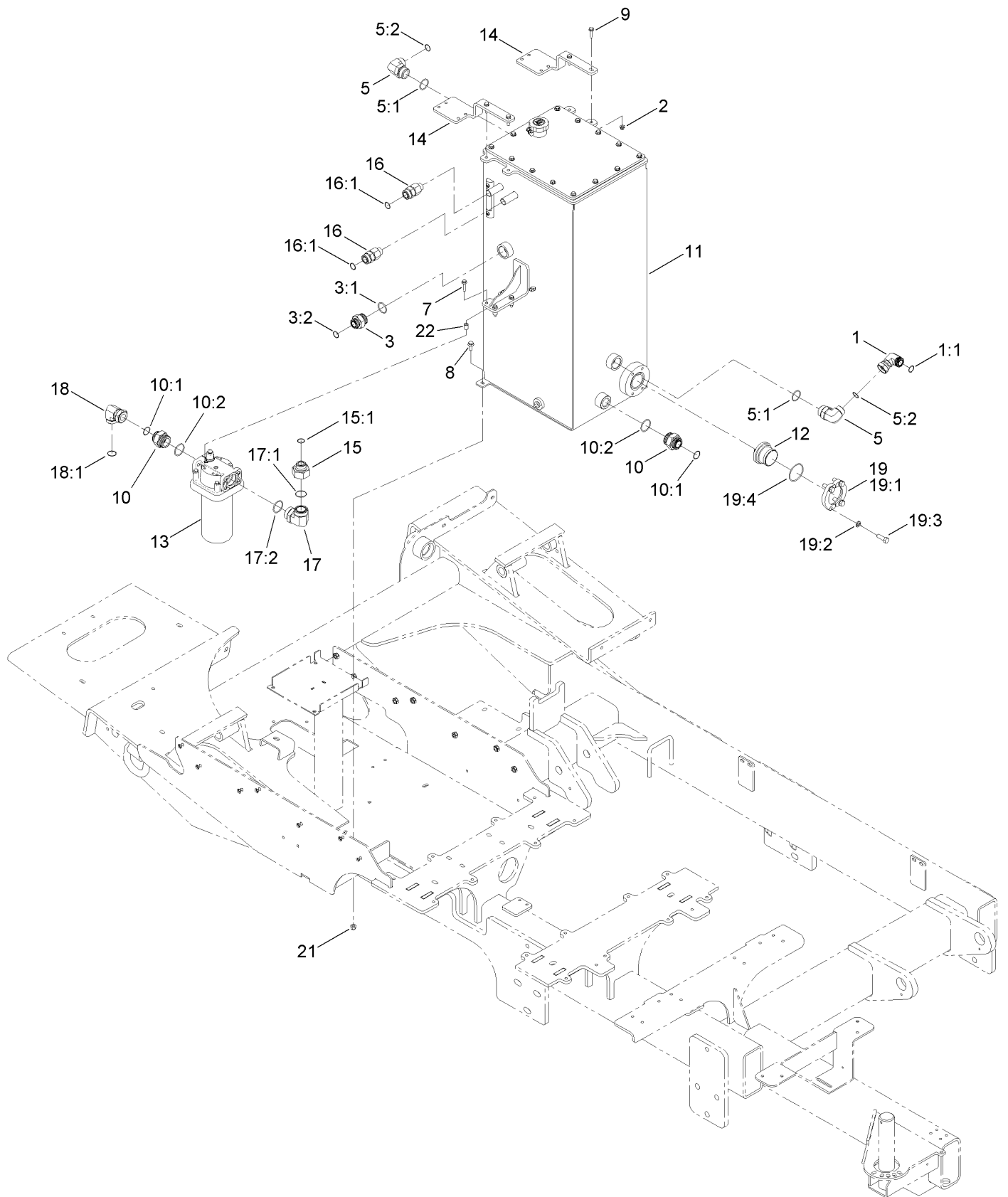


## Track Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            |
|-------------|--------------------|-------------|-------------------------------|-------------|--------------------|-------------|-------------------------------|
| 1           | 127-0929           | 1           | RH Track Pod ASM              | 19:4        | 125-6139           | 1           | Decal-Lift/Tie Down           |
| 1:2         | 125-6694           | 1           | Decal-Tie Down                | 20          | 127-0960           | 2           | Idler ASM                     |
| 1:3         | 125-6108           | 1           | Decal-Warning, Thrown Objects | 20:1        | AU32GB2410-03      | 1           | Sprocket-Idler                |
| 1:4         | 125-6139           | 1           | Decal-Lift/Tie Down           | 20:2        | AUH748111          | 2           | Bearing                       |
| 2           | AU8GB85017         | 2           | Planetary Gearbox ASM         | 20:3        | AU8HS11032         | 2           | Seal-Shaft                    |
| 3           | AU30DD2424-03      | 2           | Sprocket-Track Drive, 27T     | 21          | 103-0357           | 32          | Washer                        |
| 4           | AU814-14045        | 24          | Screw-HH                      | 22          | 328-25             | 12          | Screw-HH                      |
| 5           | AU30DD2434         | 12          | Roller-Track                  | 23          | 32128-45           | 12          | Nut-HHF                       |
| 6           | AU814-16040        | 24          | Screw-HH                      | 24          | AU426-1224         | 4           | Bolt                          |
| 7           | AU32GB2413-03      | 2           | Cover-Access Hole             | 25          | 94-6031            | 6           | Fitting-HYD                   |
| 8           | AU814-14030        | 24          | Screw-HH                      | 25:1        | 237-30             | 1           | O-Ring                        |
| 9           | AU8CF90032         | 4           | Bearing-Thrust                | 27          | 340-159            | 1           | Fitting-HYD, 90 DEG           |
| 10          | AU32GB2412         | 2           | Tensioner-Track               | 27:1        | 237-22             | 2           | O-Ring                        |
| 10:1        | AU109951           | 1           | Seal-U ●                      | 28          | AU32GB2408-03      | 4           | Slider-Tensioner, Track Drive |
| 10:2        | AU109952           | 1           | Seal-Wiper ●                  | 29          | AU32GB2409         | 2           | Pin-Axle                      |
| 11          | AU426-832          | 8           | Bolt                          | 30          | AU8CP31631         | 2           | Pin-Slotted, Spring           |
| 12          | AU32GB2414         | 2           | Track-Rubber                  | 31          | 127-3875           | 4           | Fitting-Straight              |
| 15          | AU30-807L-1059     | 2           | Seal-O Ring                   | 31:1        | 237-30             | 1           | O-Ring                        |
| 16          | AU30-807L-1060     | 2           | Valve-Grease                  | 32          | 127-3874           | 2           | Fitting-Straight              |
| 17          | 3256-24            | 4           | Washer-Flat                   | 32:1        | 237-22             | 1           | O-Ring                        |
| 18          | 323-43             | 4           | Screw-HH                      | 33          | 127-3873           | 2           | Fitting-Straight              |
| 19          | 127-0928           | 1           | LH Track Pod ASM              | 33:1        | 237-21             | 1           | O-Ring                        |
| 19:2        | 125-6108           | 1           | Decal-Warning, Thrown Objects | 34          | 302-2              | 2           | Fitting-Grease                |
| 19:3        | 125-6694           | 1           | Decal-Tie Down                |             |                    |             |                               |

● Not illustrated

# Hydraulic Fuel Tank and Fitting Assembly



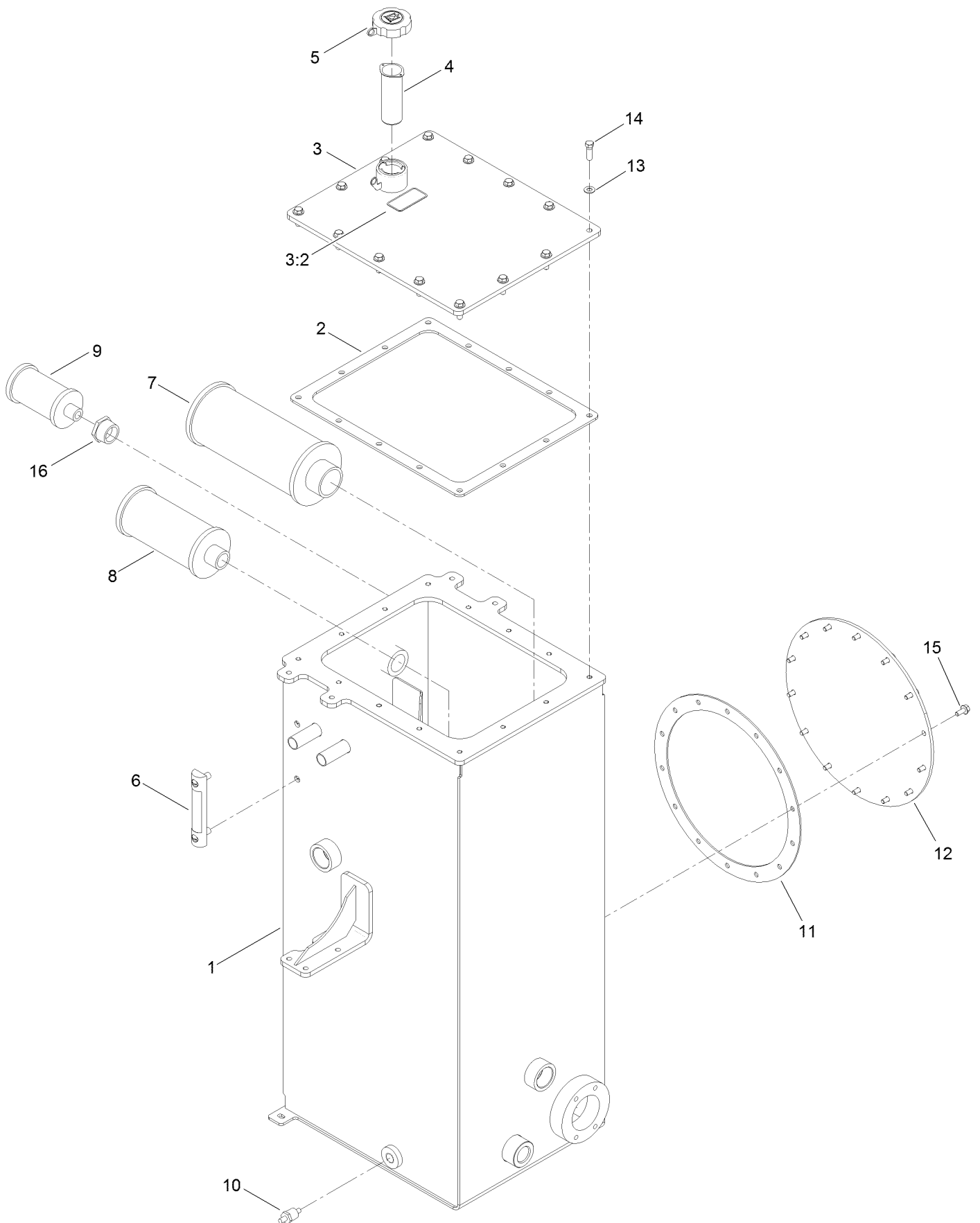
# Hydraulic Fuel Tank and Fitting Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 92-7645            | 1           | Fitting-Swivel, 90 DEG | 13:2        | 133-6228           | 1           | Indicator ●        |
| 1:1         | 340-65             | 1           | O-Ring                 | 13:3        | 133-6229           | 1           | Filter Element ●   |
| 2           | 104-3082           | 4           | Nut-Lock, HHF          | 14          | AU123439-03        | 2           | Mount-Plate        |
| 3           | 340-80             | 1           | Fitting-Straight       | 15          | AU8OA81624         | 1           | Fitting-Reducer    |
| 3:1         | 237-101            | 1           | O-Ring                 | 15:1        | 340-65             | 1           | O-Ring             |
| 3:2         | 340-65             | 1           | O-Ring                 | 16          | AU8OAB1616         | 2           | Fitting-Straight   |
| 5           | 340-79             | 2           | Adapter                | 16:1        | 340-65             | 1           | O-Ring             |
| 5:1         | 237-101            | 1           | O-Ring                 | 17          | AU8OL32424         | 1           | Fitting-Elbow, 90  |
| 5:2         | 340-65             | 1           | O-Ring                 | 17:1        | 340-63             | 1           | O Ring             |
| 7           | 112-9318           | 4           | Screw-HHF, Locking     | 17:2        | 340-136            | 1           | O-Ring             |
| 8           | 33105-025          | 3           | Screw-HHF              | 18          | AU8OL82020         | 1           | Fitting-Elbow, 90  |
| 9           | 33104-035          | 4           | Screw-HHF              | 18:1        | 340-64             | 1           | O-Ring             |
| 10          | AU8OA32024         | 2           | Fitting-Straight       | 19          | AU91-FF593-40      | 1           | Split Flange Kit   |
| 10:1        | 340-64             | 1           | O-Ring                 | 19:1        |                    | 2           | Flange ■           |
| 10:2        | 340-136            | 1           | O-Ring                 | 19:2        | 3253-7             | 4           | Washer-Lock        |
| 11          | AU116143           | 1           | HYD Tank ASM           | 19:3        | 121-1524           | 4           | Screw-HH           |
| 12          | AU117686           | 1           | Insert                 | 19:4        | 127-0980           | 1           | O-Ring             |
| 13          | AU118533           | 1           | Filter-HYD, Return     | 21          | 103-9511           | 3           | Nut-Lock, NI       |
| 13:1        | 133-6227           | 1           | Seal Kit ●             | 22          | 115-1451           | 4           | Spacer-Wheel       |

● Not illustrated

■ Not serviced separately

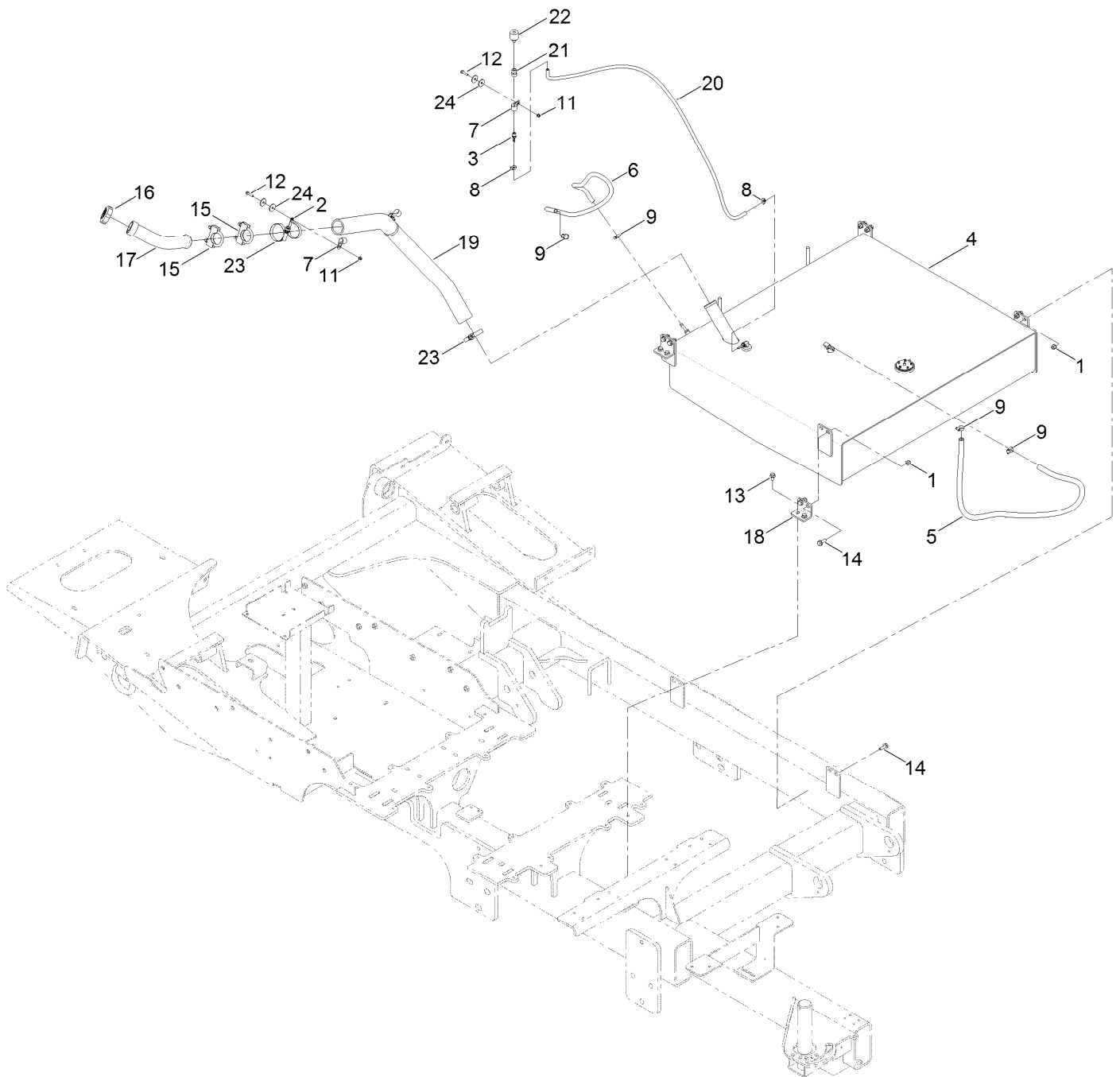
# Hydraulic Tank Assembly No. AU116143



## Hydraulic Tank Assembly No. AU116143 (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           | AU116595           | 1           | Tank-HYD                | 9           | AU116598           | 1           | Strainer-Nipple           |
| 2           | AU117202           | 1           | Gasket-Cover            | 10          | AU30-460-8006      | 1           | Sender-Temperature, Water |
| 3           | 127-0930           | 1           | HYD Tank Cover ASM      | 11          | AU122311           | 1           | Gasket-HYD, Tank          |
| 3:2         | 125-8483           | 1           | Decal-HYD Fluid         | 12          | AU122304-03        | 1           | Cover-HYD, Tank           |
| 4           | AU101238           | 1           | Filter-Screen, Mesh     | 13          | 48-9220            | 14          | Washer                    |
| 5           | AU105820           | 1           | Cap-HYD Fluid (W/ Lock) | 14          | 323-7              | 14          | Screw-HH                  |
| 6           | AUL116247          | 1           | Gauge-Sight             | 15          | 33104-020          | 14          | Screw-HHF                 |
| 7           | AU116600           | 1           | Strainer-Nipple         | 16          | AU221-70           | 1           | Fitting-Reducer           |
| 8           | AU116599           | 1           | Strainer-Suction        |             |                    |             |                           |

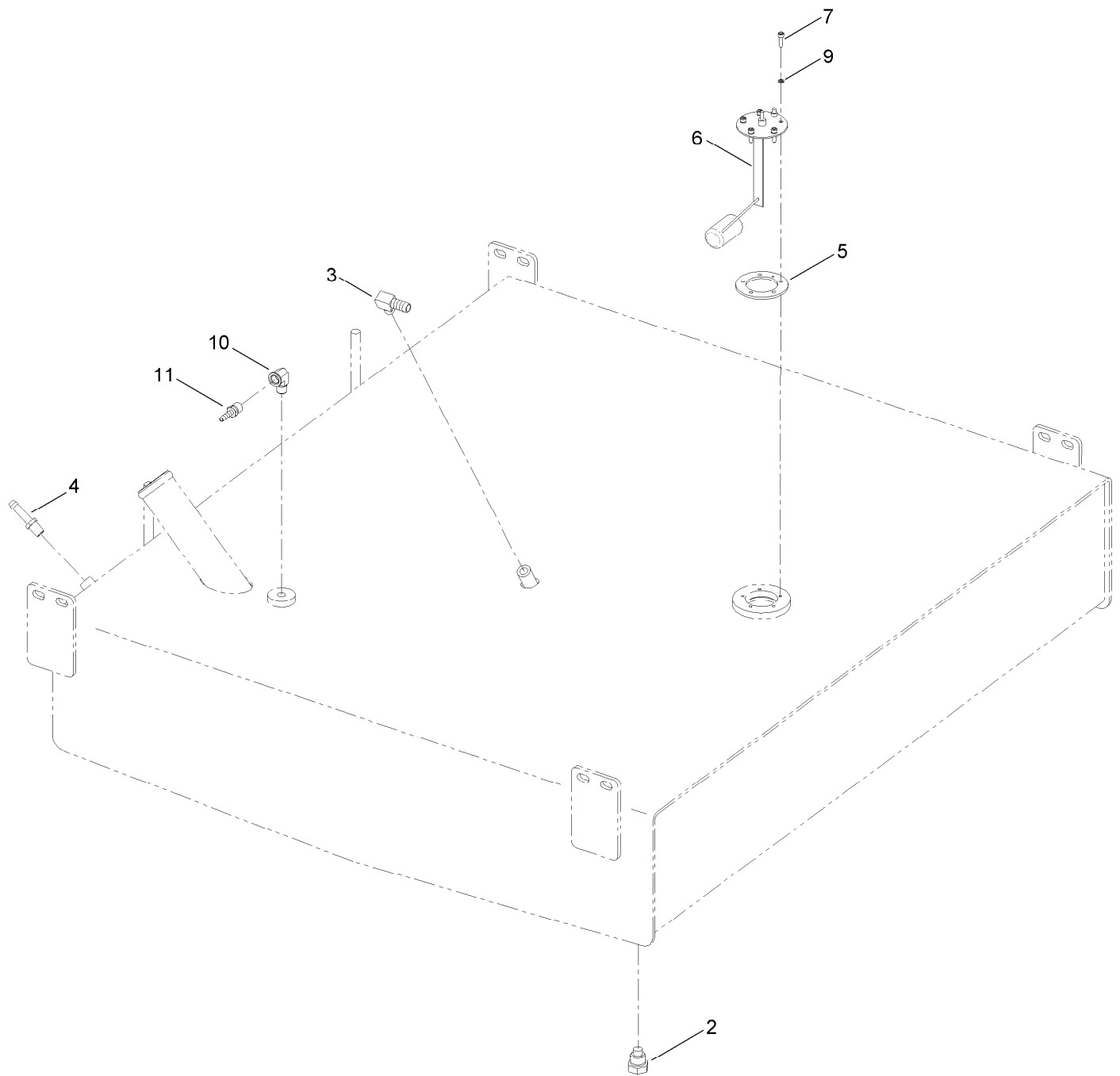
# Fuel Tank and Hose Assembly



## Fuel Tank and Hose Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|----------------------|
| 1           | 103-9511           | 8           | Nut-Lock, NI       | 14          | 33105-030          | 8           | Screw-HHF            |
| 2           | 107-1865           | 2           | R-Clamp            | 15          | AU111838           | 2           | Bolt-U, Clamp        |
| 3           | 115-1447           | 1           | Fitting-Straight   | 16          | AU117630           | 1           | Cap-Fuel (W/Lock)    |
| 4           | 121-7535           | 1           | Fuel Tank ASM      | 17          | AU118832-03        | 1           | Neck-Filler - Fuel   |
| 5           | 127-0945           | 1           | Hose-Fuel          | 18          | AU119508-03        | 2           | Plate-Mounting, Tank |
| 6           | 127-0946           | 1           | Hose-Fuel          | 19          | AU124968           | 1           | Hose-Fuel, Tank Fill |
| 7           | 2412-4             | 3           | Clamp              | 20          | 107-9298           | 1           | Hose-Fuel            |
| 8           | 2412-108           | 2           | Clamp-Worm         | 21          | AU217-1101         | 1           | Coupling-Pipe (NPTF) |
| 9           | 2412-36            | 4           | Clamp-Hose         | 22          | AU31543            | 1           | Breather             |
| 11          | 81-0130            | 3           | Nut-Flange, NI     | 23          | 104-9240           | 2           | Clamp-Hose           |
| 12          | 33103-030          | 3           | Screw-HHF          | 24          | 105-3048           | 6           | Washer-Flat          |
| 13          | 33105-020          | 4           | Screw-HHF          |             |                    |             |                      |

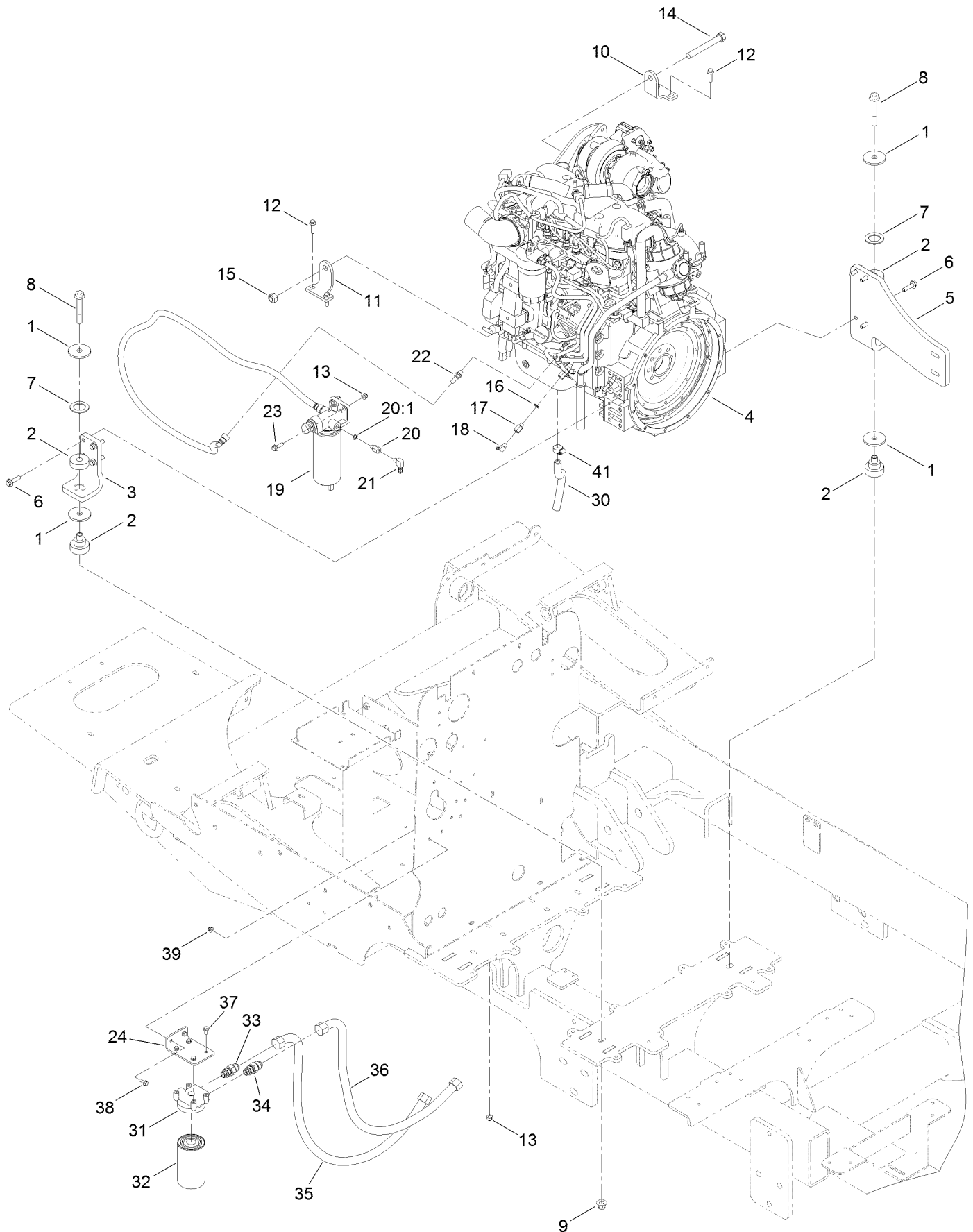
# Fuel Tank Assembly No. 121-7535



## Fuel Tank Assembly No. 121-7535 (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> |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|--------------------|
| 2           | AU119908           | 1           | Plug-Hex, Magnetic  | 7           | 3273-26            | 5           | Screw-HSH          |
| 3           | 127-3870           | 1           | Fitting-Elbow, 90   | 9           | 3253-17            | 5           | Washer-Lock        |
| 4           | AU217-151          | 1           | Stem-Straight, Bead | 10          | 125-9088           | 1           | Fitting-Elbow, 90  |
| 5           | AU528359R4         | 1           | Gasket-Sending Unit | 11          | 115-1447           | 1           | Fitting-Straight   |
| 6           | AU117631           | 1           | Sender-Fuel         |             |                    |             |                    |

# Engine and Mounting Assembly



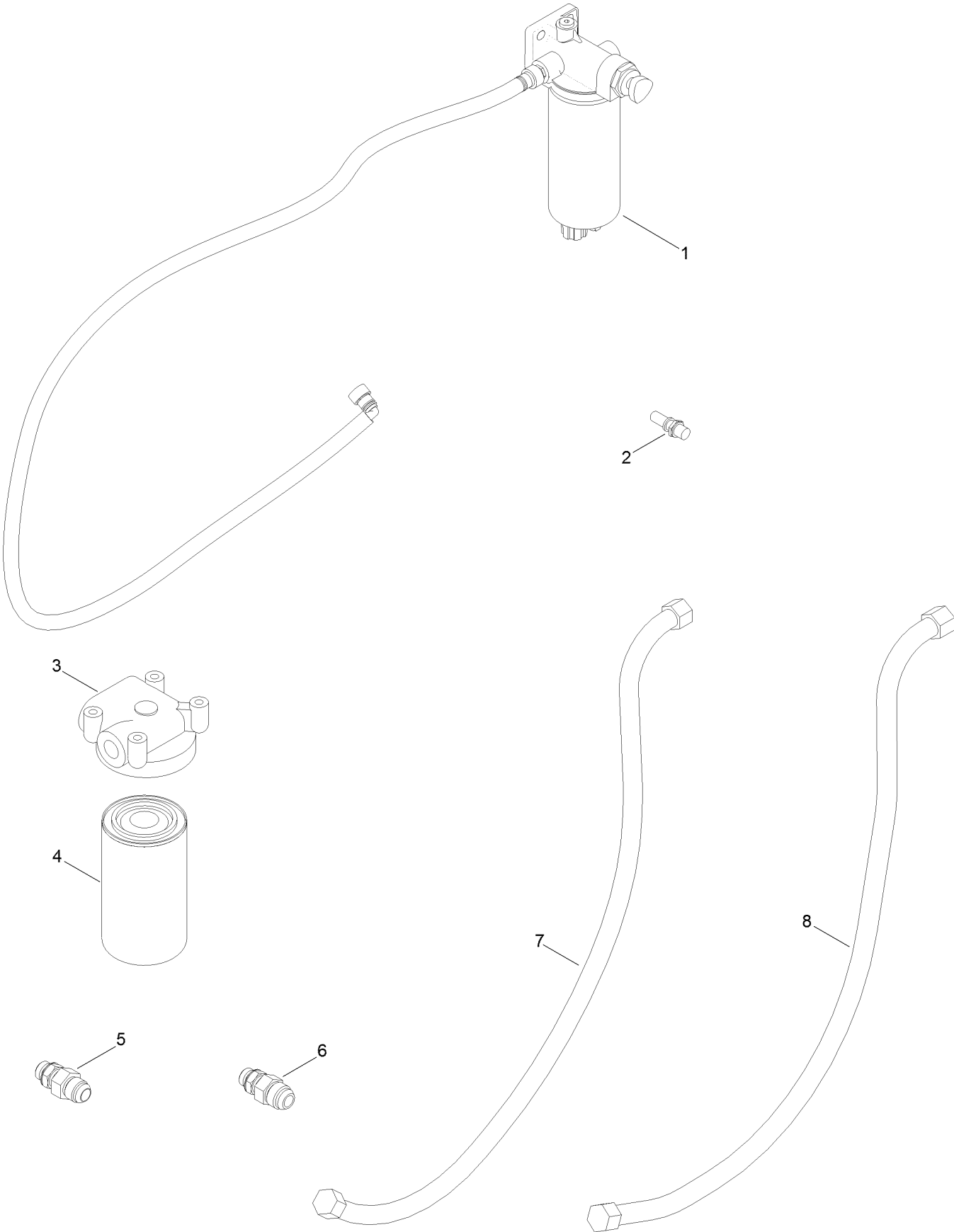
## Engine and Mounting Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|------------------------|
| 1           | AU119802           | 4           | Washer                      | 15          | 120-7252           | 1           | Nut-Lock               |
| 2           | AU117690           | 2           | Isolator-Mount, Universal   | 16          | AU121717           | 1           | Seal-Fitting, Fuel     |
| 3           | AU116259-03        | 1           | Mount-Engine, Front (RH)    | 17          | AU120770           | 1           | Fitting-Reducer        |
| 4           |                    | 1           | Engine-Qsb4, Tier 4I ■      | 18          | 354-93             | 1           | Fitting-Elbow, 90      |
| 4:3         | 131-3447           | 1           | Remote Mounted Engine       | 19          | 127-5254           | 1           | Fuel Filter ASM        |
|             |                    |             | Parts Box ●                 | 20          | AU123748           | 1           | Fitting-Reducer        |
| 4:4         | 131-7361           | 1           | Water Pump ●                | 20:1        | AU121717           | 1           | Seal-Fitting, Fuel     |
| 4:5         | 131-7354           | 1           | Alternator ●                | 21          | 127-3870           | 1           | Fitting-Elbow, 90      |
| 4:6         | 131-7355           | 1           | Belt ●                      | 22          | 127-5252           | 1           | Fitting-Fuel           |
| 4:7         | AU119491           | 1           | Heater-Coolant/Block, 12V ● | 23          | 33105-035          | 2           | Screw-HHF              |
| 4:8         | 131-7356           | 1           | Breather-Crankcase ●        | 24          | AU130496-03        | 1           | Plate-Mounting, Filter |
| 4:9         | 131-7359           | 1           | Starter ●                   | 30          | AU122422           | 1           | Hose-Drain, Oil        |
| 4:10        | 131-7360           | 1           | Thermostat ●                | 31          | 127-0881           | 1           | Head-Filter, Oil       |
| 5           | AU117688-03        | 1           | Mount-Engine, Front (LH)    | 32          | 127-0880           | 1           | Filter-Oil             |
| 6           | AU100347           | 8           | Screw-HHF                   | 33          | 127-0882           | 1           | Fitting-Oil            |
| 7           | AU117984           | 2           | Spacer-Isolator             | 34          | 127-0883           | 1           | Fitting-Oil            |
| 8           | AU100368           | 2           | Screw-Flange                | 35          | 127-0884           | 1           | Hose-Oil               |
| 9           | AU100529           | 2           | Nut-HHF                     | 36          | 127-0885           | 1           | Hose-Oil               |
| 10          | AU130260-03        | 1           | Mount-Engine                | 37          | 33104-020          | 4           | Screw-HHF              |
| 11          | AU130261-03        | 1           | Mount-Engine                | 38          | 33104-025          | 2           | Screw-HHF              |
| 12          | 33105-040          | 4           | Screw-HHF                   | 39          | 104-3082           | 2           | Nut-Lock, HHF          |
| 13          | 103-9511           | 6           | Nut-Lock, NI                | 41          | 2412-129           | 1           | Clamp-Hose             |
| 14          | AU426-1296         | 1           | Screw-HH                    |             |                    |             |                        |

● Not illustrated

■ Not serviced separately

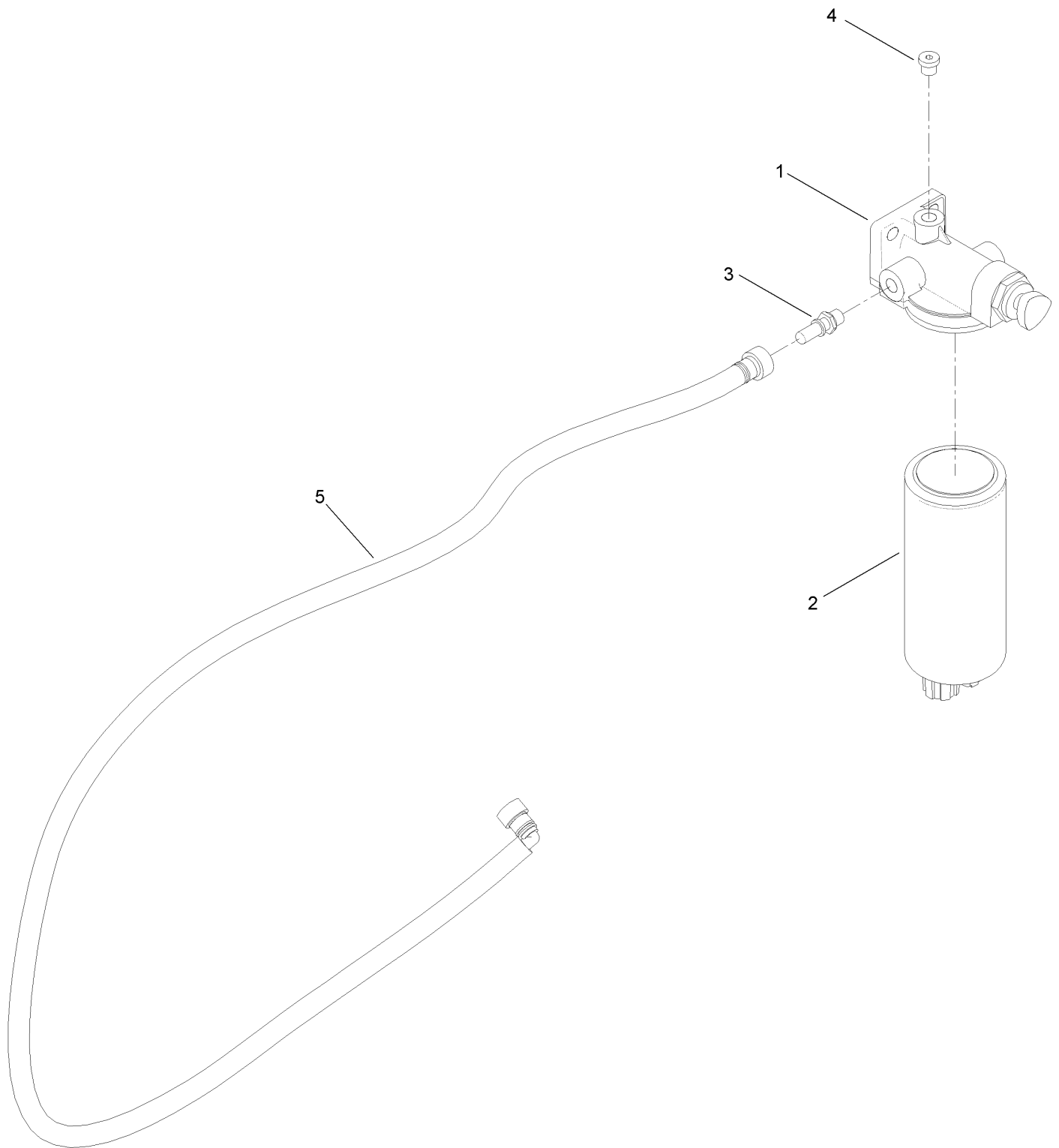
# Remote Mounted Engine Parts Box Assembly



## Remote Mounted Engine Parts Box Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           | 127-5254           | 1           | Fuel Filter ASM    | 5           | 127-0882           | 1           | Fitting-Oil        |
| 2           | 127-5252           | 1           | Fitting-Fuel       | 6           | 127-0883           | 1           | Fitting-Oil        |
| 3           | 127-0881           | 1           | Head-Filter, Oil   | 7           | 127-0884           | 1           | Hose-Oil           |
| 4           | 127-0880           | 1           | Filter-Oil         | 8           | 127-0885           | 1           | Hose-Oil           |

# Fuel Filter Assembly No. 127-5254

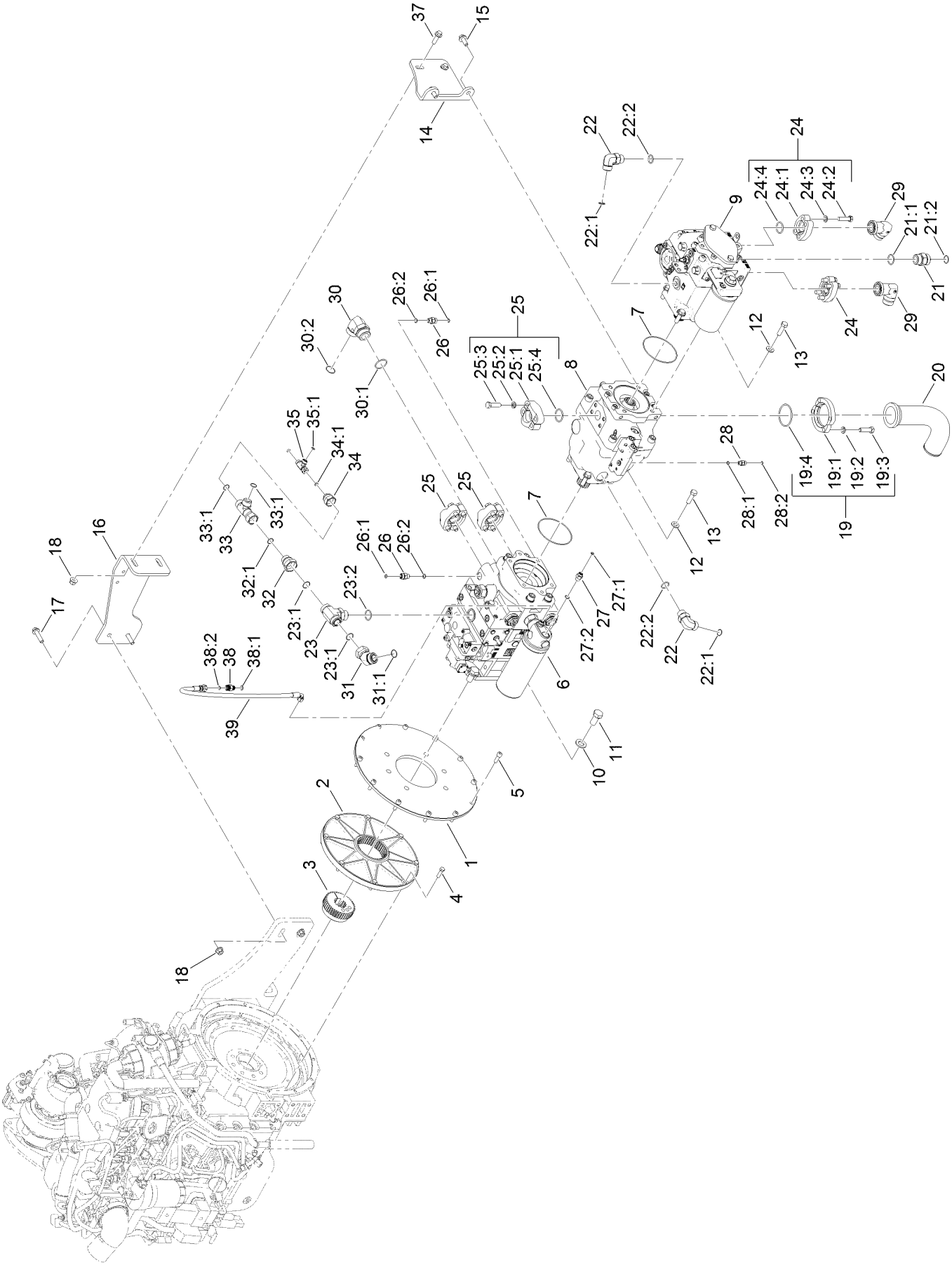


## Fuel Filter Assembly No. 127-5254 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 127-5250           | 1           | Head-Filter, Fuel  |
| 2           | 127-5251           | 1           | Filter-Fuel        |
| 3           | 127-5252           | 1           | Fitting-Fuel       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4           | 127-5253           | 1           | Plug               |
| 5           | 121-7531           | 1           | Hose ASM           |

# Hydraulic Pump Assembly

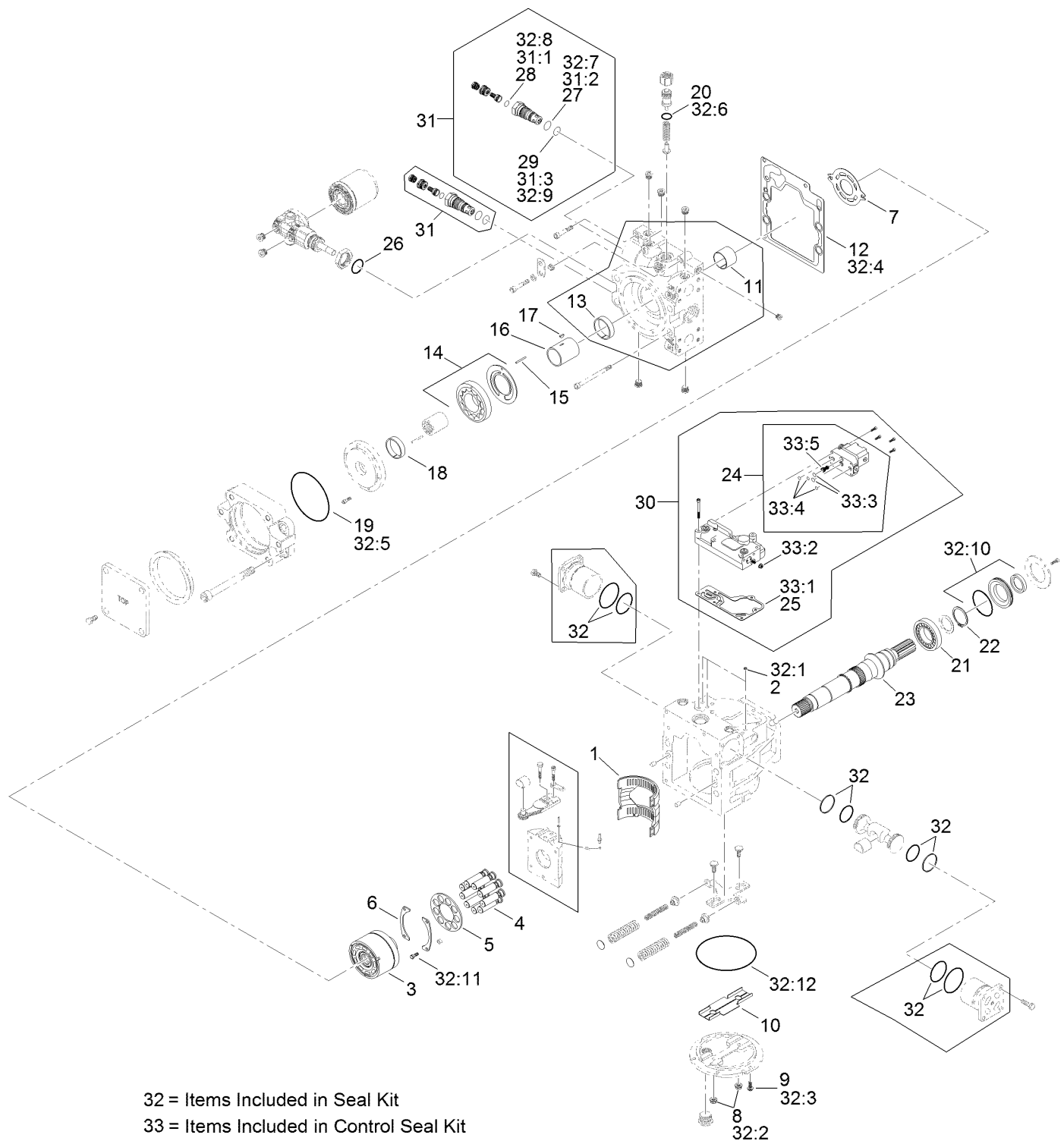


## Hydraulic Pump Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | AU116050           | 1           | Plate-Mount, Pump        | 24:3        | 48-8070            | 4           | Washer-Lock             |
| 2           | AU8PD92006         | 1           | Coupling-Drive, Nylon    | 24:4        |                    | 2           | Flange ●                |
| 3           | AU8PD92007         | 1           | Hub-Steel, 13T           | 25          | AU8TS46220         | 3           | Split Flange Kit        |
| 4           | 323-44             | 8           | Screw-HH                 | 25:1        |                    | 2           | Flange-Half ●           |
| 5           | AU862-10030        | 12          | Screw-HSH                | 25:2        | 3253-7             | 4           | Washer-Lock             |
| 6           | 136-1499           | 1           | Rotary Pump ASM          | 25:3        | 325-7              | 4           | Screw-HH                |
| 7           | AU70-9004104-158   | 2           | Seal-O Ring              | 25:4        | 115-5420           | 1           | O-Ring                  |
| 8           | AU116306           | 1           | Load-Sense Pump ASM      | 26          | 340-2              | 2           | Fitting-HYD, Straight   |
| 9           | AU116314           | 1           | Hydrostat Pump ASM       | 26:1        | 237-22             | 1           | O-Ring                  |
| 10          | AU496-11081        | 4           | Washer                   | 26:2        | 237-42             | 1           | O-Ring                  |
| 11          | AU426-1224         | 4           | Bolt                     | 27          | 340-1              | 2           | Fitting-HYD, Straight   |
| 12          | AU496-21053        | 8           | Washer-Flat              | 27:1        | 237-21             | 1           | O-Ring                  |
| 13          | 121-1524           | 8           | Screw-HH                 | 27:2        | 237-42             | 1           | O-Ring                  |
| 14          | AU116261-03        | 1           | Bracket-Mounting, Pump   | 28          | 340-92             | 1           | Fitting-HYD, Straight   |
| 15          | 33106-030          | 2           | Screw-HHF                | 28:1        | 237-78             | 1           | O-Ring                  |
| 16          | AU117689-03        | 1           | Bracket-Mounting, Center | 28:2        | 237-21             | 1           | O-Ring                  |
| 17          | 33106-050          | 2           | Screw-HHF                | 29          | AU126488           | 2           | Elbow-90                |
| 18          | 115-1115           | 4           | Nut-Lock, HHF            | 30          | 340-52             | 1           | Fitting-Elbow, 90       |
| 19          | AU91-FF593-40      | 1           | Split Flange Kit         | 30:1        | 237-101            | 1           | O-Ring                  |
| 19:1        |                    | 2           | Flange ●                 | 30:2        | 340-64             | 1           | O-Ring                  |
| 19:2        | 3253-7             | 4           | Washer-Lock              | 31          | AU8OE81616         | 1           | Fitting-Elbow, 45       |
| 19:3        | 121-1524           | 4           | Screw-HH                 | 31:1        | 340-65             | 1           | O-Ring                  |
| 19:4        | 127-0980           | 1           | O-Ring                   | 32          | AU8OA81216         | 1           | Fitting-Reducer         |
| 20          | AU121324           | 1           | Tube-Bent                | 32:1        | 237-58             | 1           | O-Ring                  |
| 21          | 104-3797           | 1           | Fitting-HYD, Straight    | 33          | AU8OR81212         | 1           | Fitting-Tee             |
| 21:1        | 237-146            | 1           | O-Ring                   | 33:1        | 237-58             | 2           | O-Ring                  |
| 21:2        | 340-65             | 1           | O-Ring                   | 34          | AU8OA80612         | 1           | Fitting-Reducer         |
| 22          | 340-142            | 2           | Fitting-HYD, 90 DEG      | 34:1        | 237-22             | 1           | O-Ring                  |
| 22:1        | 237-58             | 1           | O-Ring                   | 35          | 340-115            | 1           | Fitting-Tee, Swivel Nut |
| 22:2        | 237-81             | 1           | O-Ring                   | 35:1        | 237-22             | 2           | O-Ring                  |
| 23          | 104-7501           | 1           | Fitting-HYD              | 37          | 33106-040          | 2           | Screw-HHF               |
| 23:1        | 340-65             | 2           | O-Ring                   | 38          | 100-7210           | 1           | Check Valve             |
| 23:2        | 237-146            | 1           | O-Ring                   | 38:1        | 237-42             | 1           | O-Ring                  |
| 24          | 121-3903           | 2           | Flange Kit               | 38:2        | 237-22             | 1           | O-Ring                  |
| 24:1        | 121-3904           | 1           | O-Ring                   | 39          | 133-9593           | 1           | Hose ASM-HYD            |
| 24:2        | 33116-045          | 4           | Screw-HH                 |             |                    |             |                         |

● Not serviced separately

# Hydraulic Pump Assembly No. 136-1499

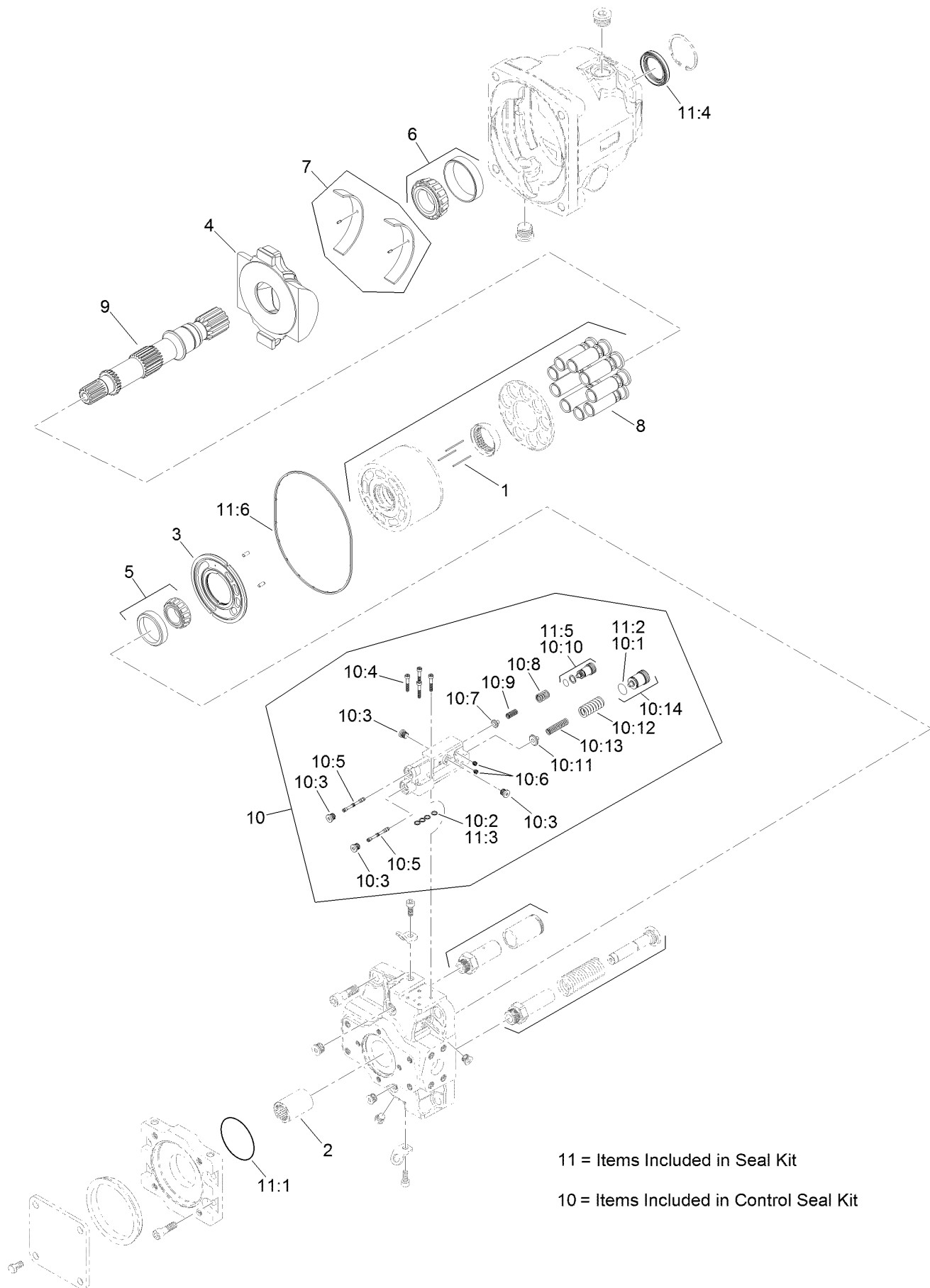


# Hydraulic Pump Assembly No. 136-1499 (continued)

| <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           | 131-7630           | 1           | Cradle Bearing ASM         | 28          | 131-8613           | 2           | O-Ring                   |
| 2           | AU105638A1         | 3           | Screen-Filter, Control     | 29          | 131-7613           | 2           | O-Ring                   |
| 3           | 131-7642           | 1           | Cylinder Block ASM         | 30          | AU104296           | 1           | E.D.C Kit                |
| 4           | 131-7610           | 9           | Piston-Welded              | 31          | 133-6230           | 2           | Multi Function Valve ASM |
| 5           | 131-8600           | 1           | Guide-Slipper              | 31:1        | 131-8613           | 1           | O-Ring                   |
| 6           | 131-7608           | 2           | Bearing-Guide, Slipper     | 31:2        | 131-7612           | 1           | O-Ring                   |
| 7           | 131-8625           | 1           | Plate-Valve                | 31:3        | 131-7613           | 1           | O-Ring                   |
| 8           | 131-7387           | 2           | Nut-Seal                   | 32          | 131-8635           | 1           | Overhaul Seal Kit        |
| 9           | 131-7605           | 6           | Screw                      | 32:1        | AU105638A1         | 3           | Screen-Filter, Control   |
| 10          | 131-8624           | 1           | Side Cover Insert ASM      | 32:2        | 131-7387           | 2           | Nut-Seal                 |
| 11          | 131-8618           | 1           | Bearing-Journal            | 32:3        | 131-7605           | 6           | Screw                    |
| 12          | 131-8626           | 1           | Gasket-Cap, End            | 32:4        | 131-8626           | 1           | Gasket-Cap, End          |
| 13          | 131-8617           | 1           | Bearing-Journal            | 32:5        | 131-7603           | 1           | O-Ring                   |
| 14          | 131-7602           | 1           | Charge Pump Set            | 32:6        | 131-8614           | 1           | O-Ring                   |
| 15          | 136-1597           | 1           | Pin                        | 32:7        | 131-7612           | 2           | O-Ring                   |
| 16          | 136-1598           | 1           | Shaft-Pump, Charge         | 32:8        | 131-8613           | 2           | O-Ring                   |
| 17          | 131-8627           | 1           | Key                        | 32:9        | 131-7613           | 2           | O-Ring                   |
| 18          | 131-8617           | 1           | Bearing-Journal            | 32:10       |                    | 1           | Shaft Seal ASM ●         |
| 19          | 131-7603           | 1           | O-Ring                     | 32:11       |                    | 1           | Screw ●                  |
| 20          | 131-8614           | 1           | O-Ring                     | 32:12       |                    | 1           | O-Ring ●                 |
| 21          | 131-7638           | 1           | Bearing-Roller             | 33          | 130-4589           | 1           | Control Seal Kit         |
| 22          | 131-8621           | 1           | Ring-Retaining             | 33:1        |                    | 1           | Gasket-Control ●         |
| 23          | 131-8620           | 1           | Shaft-13 Tooth             | 33:2        |                    | 1           | Nut-Seal ●               |
| 24          | AU104298           | 1           | Weather Pack Connector Kit | 33:3        |                    | 2           | O-Ring ●                 |
| 25          | 131-7628           | 1           | Gasket-Control             | 33:4        |                    | 3           | O-Ring ●                 |
| 26          | 131-8615           | 1           | O-Ring                     | 33:5        |                    | 1           | Filter ASM ●             |
| 27          | 131-7612           | 2           | O-Ring                     |             |                    |             |                          |

● Not serviced separately

# Hydraulic Pump Assembly No. AU116306

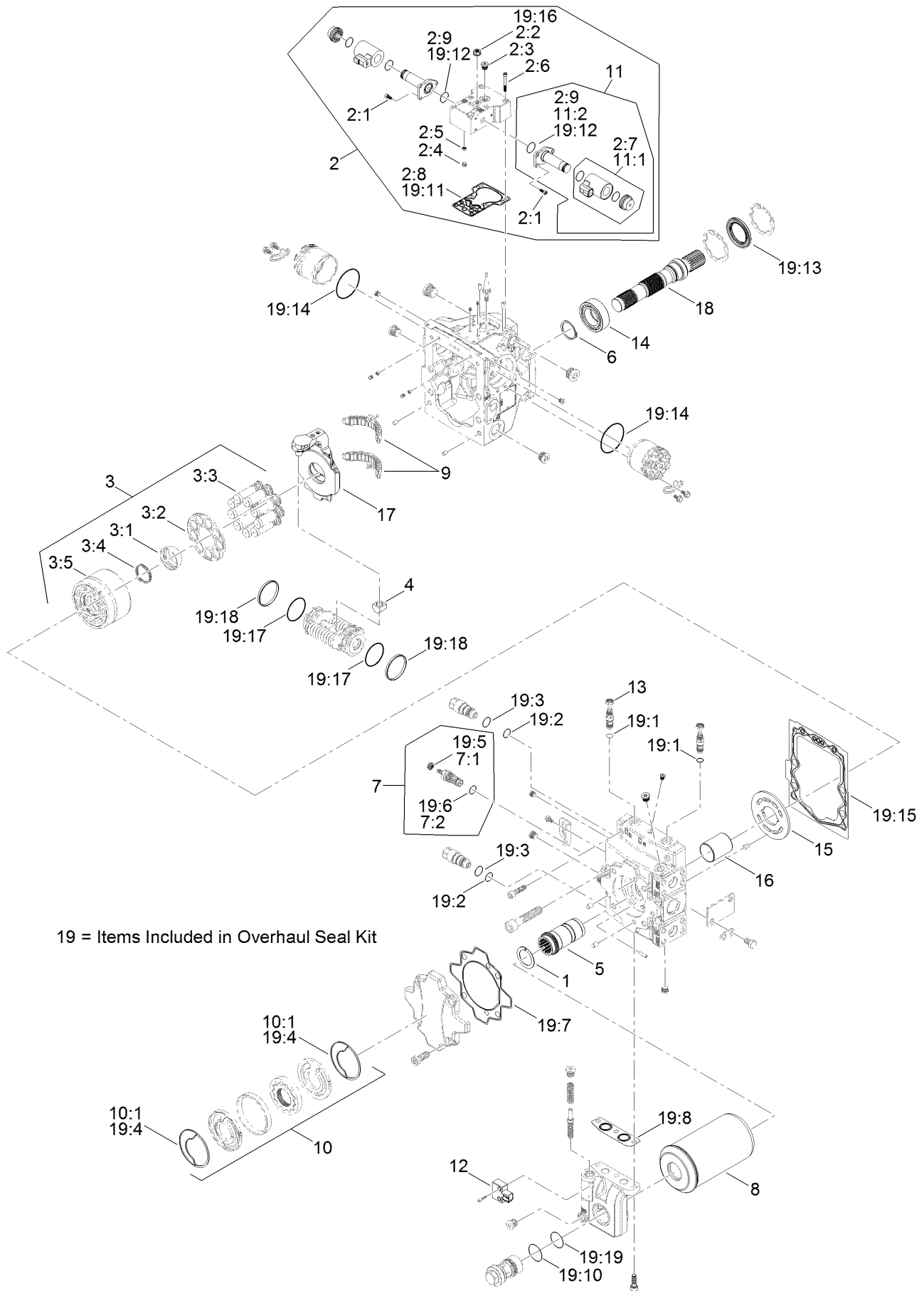


# Hydraulic Pump Assembly No. AU116306 (continued)

| <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           | 131-7614           | 3           | Pin-Hold Down          | 10:7        |                    | 1           | Guide-Spring, Ls ●   |
| 2           | 131-7615           | 1           | Coupling               | 10:8        |                    | 1           | Spring-Outer, Ls ●   |
| 3           | 131-7616           | 1           | Plate-Valve, CW        | 10:9        |                    | 1           | Spring-Inner, Ls ●   |
| 4           | 131-7617           | 1           | Swashplate ASM         | 10:10       |                    | 1           | Plug-Adjustment ●    |
| 5           | 131-7621           | 1           | Rear Bearing Kit       | 10:11       |                    | 1           | Guide-Spring, Pc ●   |
| 6           | 131-7622           | 1           | Front Bearing Kit      | 10:12       |                    | 1           | Spring-Outer, Pc ●   |
| 7           | 131-7623           | 1           | Swashplate Bearing Kit | 10:13       |                    | 1           | Spring-Inner, Pc ●   |
| 8           | 131-8602           | 9           | Piston ASM             | 10:14       |                    | 1           | Plug-Adjusting, Pc ● |
| 9           | 131-8604           | 1           | Shaft                  | 11          | 131-8634           | 1           | Overhaul Seal Kit    |
| 10          | 131-8608           | 1           | Control Kit            | 11:1        | 131-7607           | 1           | O-Ring               |
| 10:1        | 131-7625           | 1           | O-Ring                 | 11:2        | 131-7625           | 1           | O-Ring               |
| 10:2        | 131-7624           | 4           | Ring-Seal              | 11:3        | 131-7624           | 4           | Ring-Seal            |
| 10:3        |                    | 4           | Plug ●                 | 11:4        | 131-8628           | 1           | Seal-Lip             |
| 10:4        |                    | 4           | Screw ●                | 11:5        |                    | 1           | Plug-Adjustment ●    |
| 10:5        |                    | 2           | Spool-Control ●        | 11:6        |                    | 1           | Seal-Cap, End ●      |
| 10:6        |                    | 2           | Screw-Set ●            |             |                    |             |                      |

● Not serviced separately

# Hydraulic Pump Assembly No. AU116314

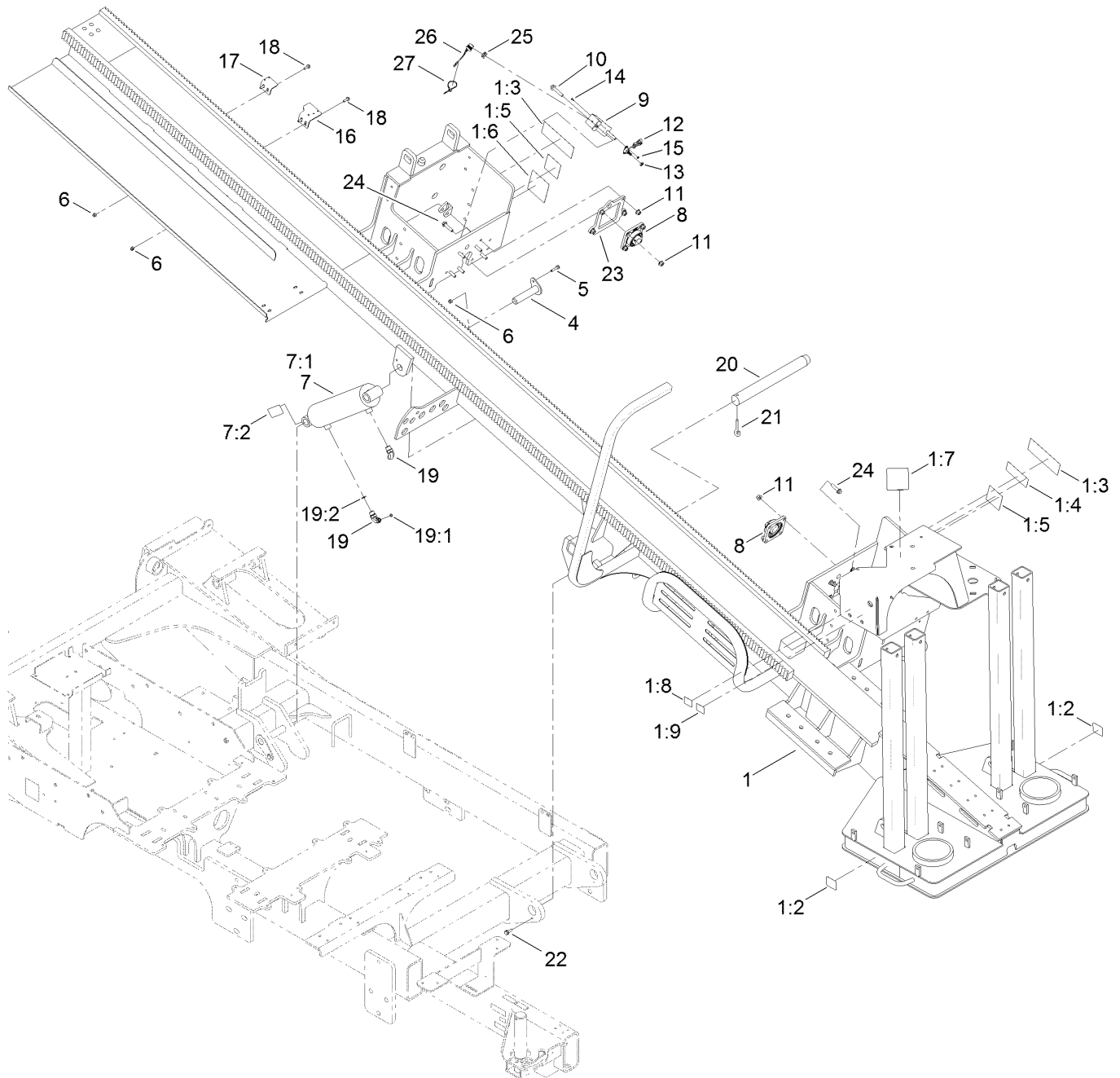


# Hydraulic Pump Assembly No. AU116314 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|------------------------|
| 1           | 125-5287           | 1           | Plate-Thrust                 | 11:1        | 125-5294           | 1           | Coil Kit               |
| 2           | 125-5295           | 1           | Control Kit (12 Volt)        | 11:2        | 125-5288           | 1           | O-Ring                 |
| 2:1         | 125-5272           | 6           | Screw                        | 12          | 131-7641           | 1           | Sensor-Filtration      |
| 2:2         | 125-5273           | 1           | Nut-Seal                     | 13          | 131-7645           | 2           | Nut                    |
| 2:3         | 125-5302           | 1           | Plug ASM                     | 14          | 131-7646           | 1           | Bearing-Ball           |
| 2:4         | 125-5266           | 1           | Screen                       | 15          | 131-8601           | 1           | Plate-Valve, CW        |
| 2:5         | 125-5269           | 1           | Ring-Locking                 | 16          | 131-8605           | 1           | Bearing-Journal        |
| 2:6         | 125-5274           | 6           | Screw                        | 17          | 131-8606           | 1           | Swashplate             |
| 2:7         | 125-5294           | 2           | Coil Kit                     | 18          | 131-8607           | 1           | Shaft                  |
| 2:8         | 125-5283           | 1           | Gasket-Control               | 19          | 131-8632           | 1           | Overhaul Seal Kit      |
| 2:9         | 125-5288           | 2           | O-Ring                       | 19:1        | 131-7386           | 2           | O-Ring                 |
| 3           | 131-7390           | 1           | Check Valve Kit              | 19:2        | 131-7396           | 2           | O-Ring                 |
| 3:1         | 131-8609           | 1           | Guide-Ball, Slipper Retainer | 19:3        | 125-5289           | 2           | O-Ring                 |
| 3:2         | 131-7391           | 1           | Guide-Slipper                | 19:4        | 131-8611           | 2           | Ring-Seal              |
| 3:3         | 131-7639           | 1           | Piston ASM                   | 19:5        | 125-5273           | 1           | Nut-Seal               |
| 3:4         |                    | 1           | Ring-Spring ●                | 19:6        | 28-3570            | 1           | O-Ring                 |
| 3:5         |                    | 1           | Cylinder Block ASM ●         | 19:7        | 125-5285           | 1           | Seal-Adapter           |
| 4           | 131-7392           | 1           | Block-Slider                 | 19:8        | 131-7389           | 1           | Gasket-Adapter, Filter |
| 5           | 131-7395           | 1           | Shaft                        | 19:10       | 131-7397           | 1           | O-Ring                 |
| 6           | 131-7600           | 1           | Ring-Retaining               | 19:11       | 125-5283           | 1           | Gasket-Control         |
| 7           | 131-7631           | 1           | Charge Relief Valve Kit      | 19:12       | 125-5288           | 2           | O-Ring                 |
| 7:1         | 125-5273           | 1           | Nut-Seal                     | 19:13       | 131-7394           | 1           | Seal-Lip               |
| 7:2         | 28-3570            | 1           | O-Ring                       | 19:14       | 131-7393           | 2           | O-Ring                 |
| 8           | 131-7632           | 1           | Filter                       | 19:15       |                    | 1           | Gasket-Cap, End ●      |
| 9           | 131-7633           | 1           | Swashplate Bearing Kit       | 19:16       | 125-5273           | 1           | Nut-Seal               |
| 10          | 131-7634           | 1           | Charge Pump Kit (14Cc)       | 19:17       |                    | 2           | O-Ring ●               |
| 10:1        | 131-8611           | 2           | Ring-Seal                    | 19:18       |                    | 2           | Ring-Piston ●          |
| 11          | 131-7636           | 2           | Solenoid Valve ASM           | 19:19       |                    | 1           | O-Ring ●               |

● Not serviced separately

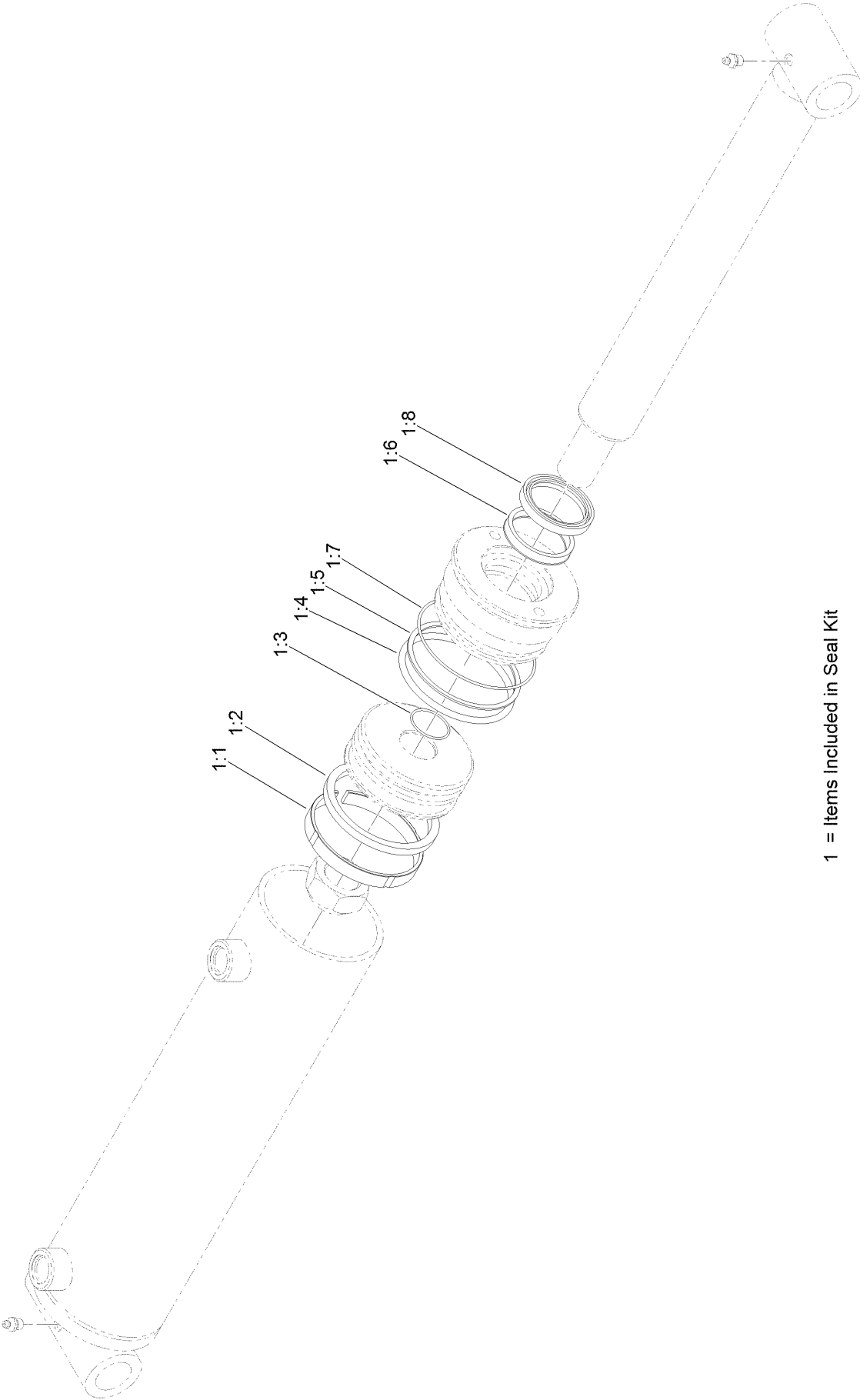
# Thrust Frame Assembly



## Thrust Frame Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|-------------------------------|
| 1           | 127-0931           | 1           | Thrust Frame ASM                  | 11          | 115-1115           | 16          | Nut-Lock, HHF                 |
| 1:2         | 125-6694           | 2           | Decal-Tie Down                    | 12          | 131-0177           | 1           | Sensor-Rotary                 |
| 1:3         | 125-6130           | 2           | Decal-Danger, Hazardous Area      | 13          | 112-8617           | 1           | Nut-Hex                       |
| 1:4         | 125-6128           | 1           | Decal-Warning, Hydraulic Pressure | 14          | 60-6500            | 2           | Screw-HH                      |
| 1:5         | 125-6107           | 2           | Decal-Warning, Crushing           | 15          | 127-2018           | 2           | Nut-HHF                       |
| 1:6         | 125-6109           | 1           | Decal-Danger, Shock               | 16          | AU122460-03        | 2           | Plate-Mount, Proximity Switch |
| 1:7         | 125-6111           | 1           | Decal-Stakedown Set Up            | 17          | AU122537-03        | 1           | Plate-Mount, Switch           |
| 1:8         | 125-6123           | 1           | Decal-Pipe Return, Clear          | 18          | 33104-025          | 6           | Screw-HHF                     |
| 1:9         | 125-6124           | 1           | Decal-Pipe Breakout, Clear        | 19          | 340-130            | 2           | Fitting-Elbow, 90             |
| 4           | AU117944           | 1           | Pin-Pivot                         | 19:1        | 237-22             | 1           | O-Ring                        |
| 5           | 33104-040          | 1           | Screw-HHF                         | 19:2        | 237-80             | 1           | O-Ring                        |
| 6           | 104-3082           | 7           | Nut-Lock, HHF                     | 20          | AU118521           | 1           | Pin-Pivot, Main               |
| 7           | 127-0933           | 1           | Lift Cylinder ASM                 | 21          | AUH313981          | 1           | Pin-Retainer                  |
| 7:1         | AU116296           | 1           | HYD Cylinder ASM                  | 22          | 33105-030          | 1           | Screw-HHF                     |
| 7:2         | 125-6115           | 1           | Decal-Caution, Cylinder Lock      | 23          | 125-6511-03        | 2           | Plate-Support, Bearing        |
| 8           | AU121325           | 2           | Bearing-Flanged Y, Square         | 24          | 33106-050          | 14          | Screw-HHF                     |
| 9           | 132-4171-03        | 1           | Bracket-Sensor, Cam               | 25          | 32180-011          | 1           | Clip-Connector                |
| 10          | 33106-060          | 2           | Screw-HHF                         | 26          | 122-0673           | 1           | Harness-Adaptor, Sensor       |
|             |                    |             |                                   | 27          | 3290-378           | 1           | Tie-Cable                     |

# Hydraulic Cylinder Assembly No. AU116296



1 = Items Included in Seal Kit

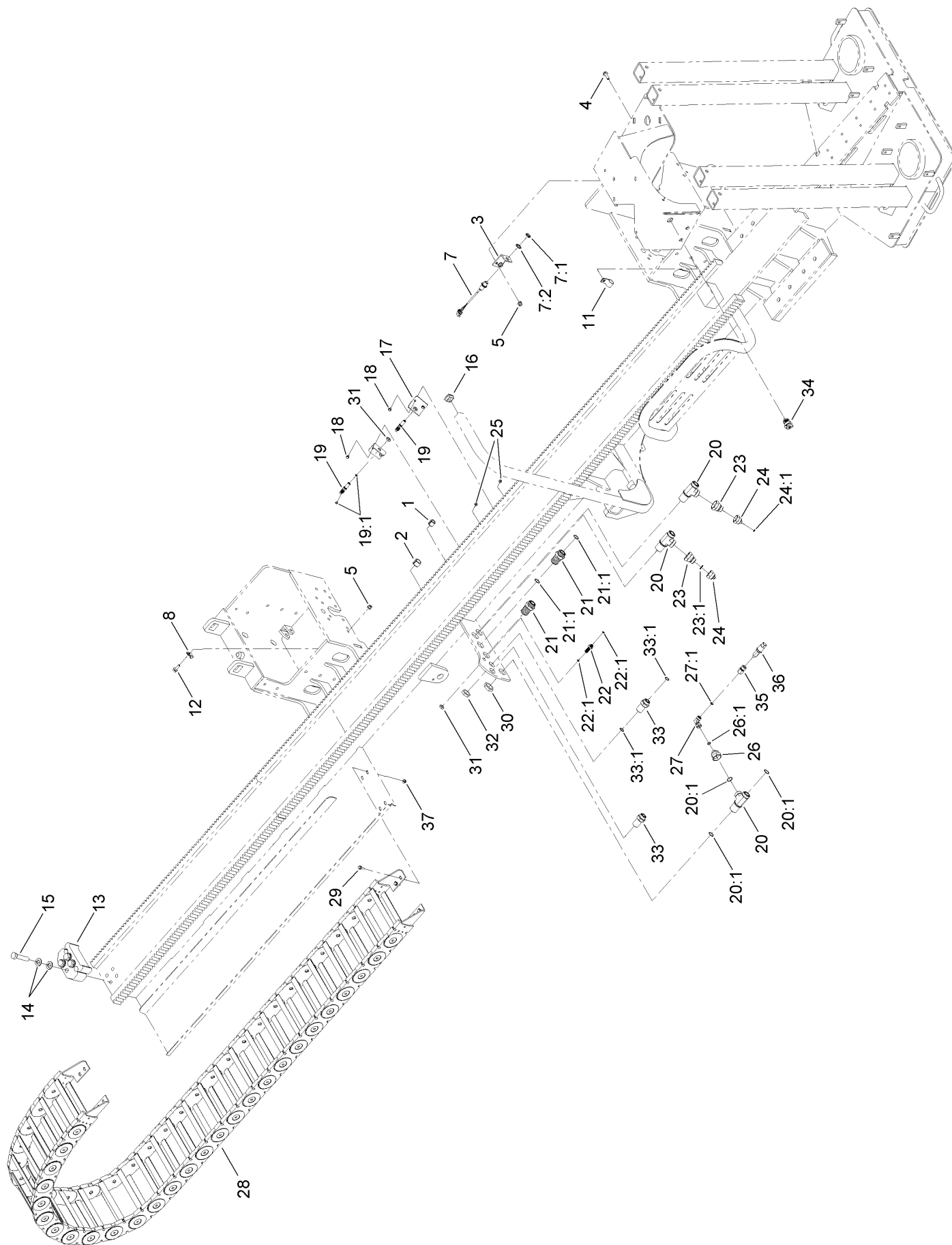
# Hydraulic Cylinder Assembly No. AU116296 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU8HC40017-1       | 1           | Seal Kit           |
| 1:1         |                    | 1           | Ring-Bearing ●     |
| 1:2         |                    | 1           | Teflon Seal ASM ●  |
| 1:3         |                    | 1           | O-Ring ●           |
| 1:4         |                    | 1           | O-Ring ●           |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:5         |                    | 1           | Washer-Backup ●    |
| 1:6         |                    | 1           | Cup-U ●            |
| 1:7         |                    | 1           | O-Ring ●           |
| 1:8         |                    | 1           | Wiper ●            |

● Not serviced separately

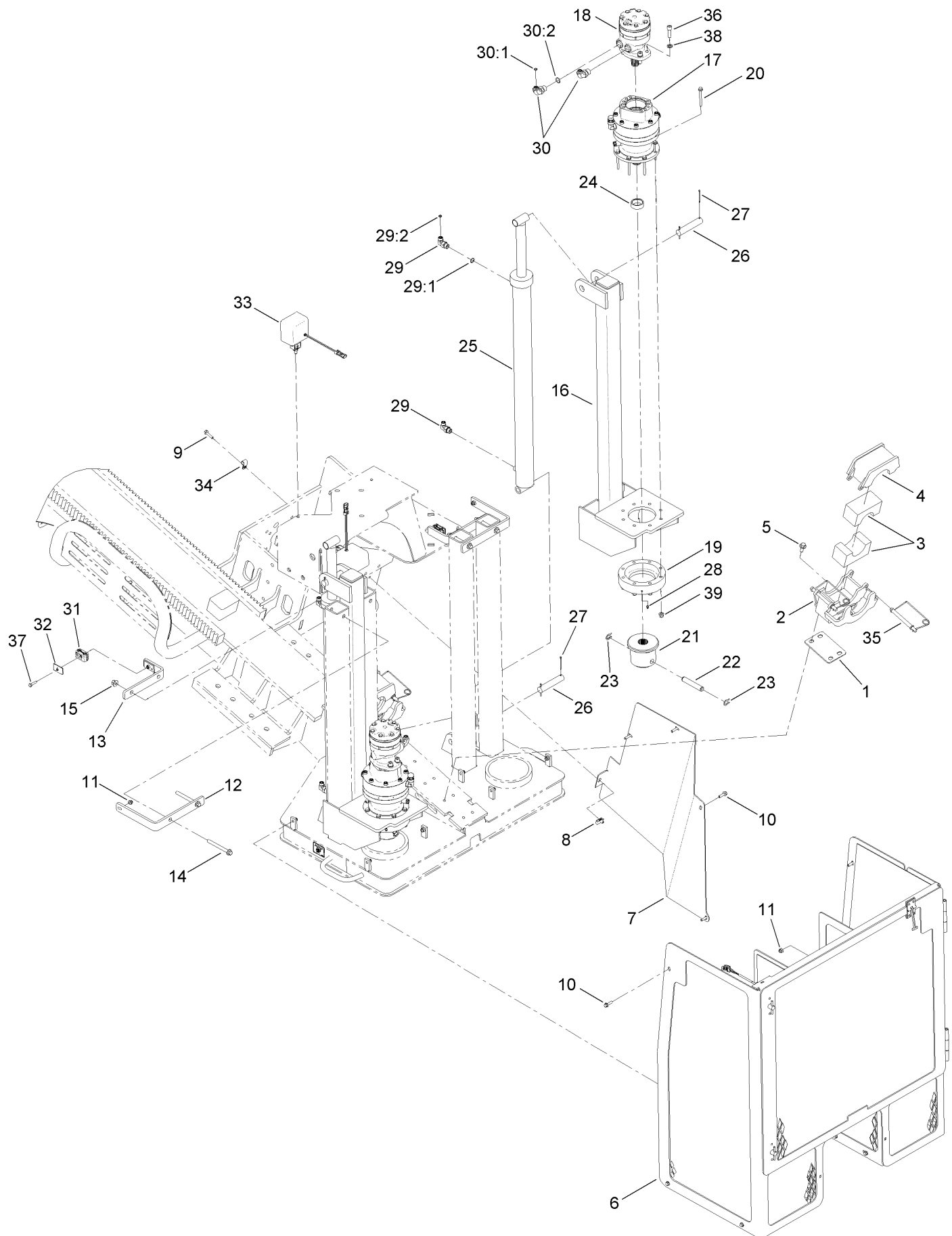
# Thrust Frame Hose Carrier Assembly



## Thrust Frame Hose Carrier Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|-------------------------------------|
| 1           | AU109676           | 4           | Bushing-Spring              | 22          | 94-1444            | 3           | Union-Bulkhead                      |
| 2           | AU125808           | 2           | Bushing-Spring              | 22:1        | 237-21             | 2           | O-Ring                              |
| 3           | 121-7532           | 1           | Bracket-Switch              | 23          | AU8OA81216         | 2           | Fitting-Reducer                     |
| 4           | 33105-035          | 2           | Screw-HHF                   | 23:1        | 237-58             | 1           | O-Ring                              |
| 5           | 103-9511           | 3           | Nut-Lock, NI                | 24          | AU8OA80412         | 2           | Fitting-Reducer                     |
| 7           | 115-5300           | 1           | Proximity Switch ASM        | 24:1        | 237-21             | 1           | O-Ring                              |
| 7:1         | 117-3207           | 2           | Nut-Hex                     | 25          | 81-0130            | 4           | Nut-Flange, NI                      |
| 7:2         | 117-3208           | 2           | Washer-Lock, Internal Tooth | 26          | AU8OA80816         | 1           | Fitting-Reducer                     |
| 8           | 2412-138           | 1           | R-Clamp                     | 26:1        | 237-30             | 1           | O-Ring                              |
| 11          | 2412-71            | 1           | Clamp-R                     | 27          | 94-6031            | 1           | Fitting-HYD                         |
| 12          | 33105-030          | 1           | Screw-HHF                   | 27:1        | 237-30             | 1           | O-Ring                              |
| 13          | AU32GB2011-03      | 1           | Stop-Carriage, Rear Frame   | 28          | AU119010           | 1           | Carrier-Hose, 36 Links              |
| 14          | AU496-11081        | 8           | Washer                      | 29          | 33104-025          | 4           | Screw-HHF                           |
| 15          | AU426-1256         | 4           | Screw-HH                    | 30          | 340-128            | 5           | Nut-Bulkhead                        |
| 16          | AU8PP92001         | 1           | Cap-Square, Plastic         | 31          | 340-78             | 5           | Nut-Lock                            |
| 17          | AU124863-03        | 2           | Plate-Mount                 | 32          | 340-126            | 2           | Nut-Bulkhead                        |
| 18          | 33103-020          | 4           | Screw-HHF                   | 33          | 94-2637            | 2           | Fitting-HYD                         |
| 19          | AU8OR90404         | 2           | Fitting-Tee                 | 33:1        | 237-58             | 2           | O-Ring                              |
| 19:1        | 237-21             | 3           | O-Ring                      | 34          | 109-9376           | 1           | Receptacle-12V                      |
| 20          | AU8OR91616         | 3           | Fitting-Tee, Bulkhead       | 35          | 127-0887           | 1           | Fitting-Straight                    |
| 20:1        | 340-65             | 3           | O-Ring                      | 36          | 125-6578           | 1           | Transducer-6000 Psi<br>(W/Isolator) |
| 21          | 106-0060           | 2           | Adapter-HYD                 | 37          | 104-3082           | 4           | Nut-Lock, HHF                       |
| 21:1        | 340-65             | 2           | O-Ring                      |             |                    |             |                                     |

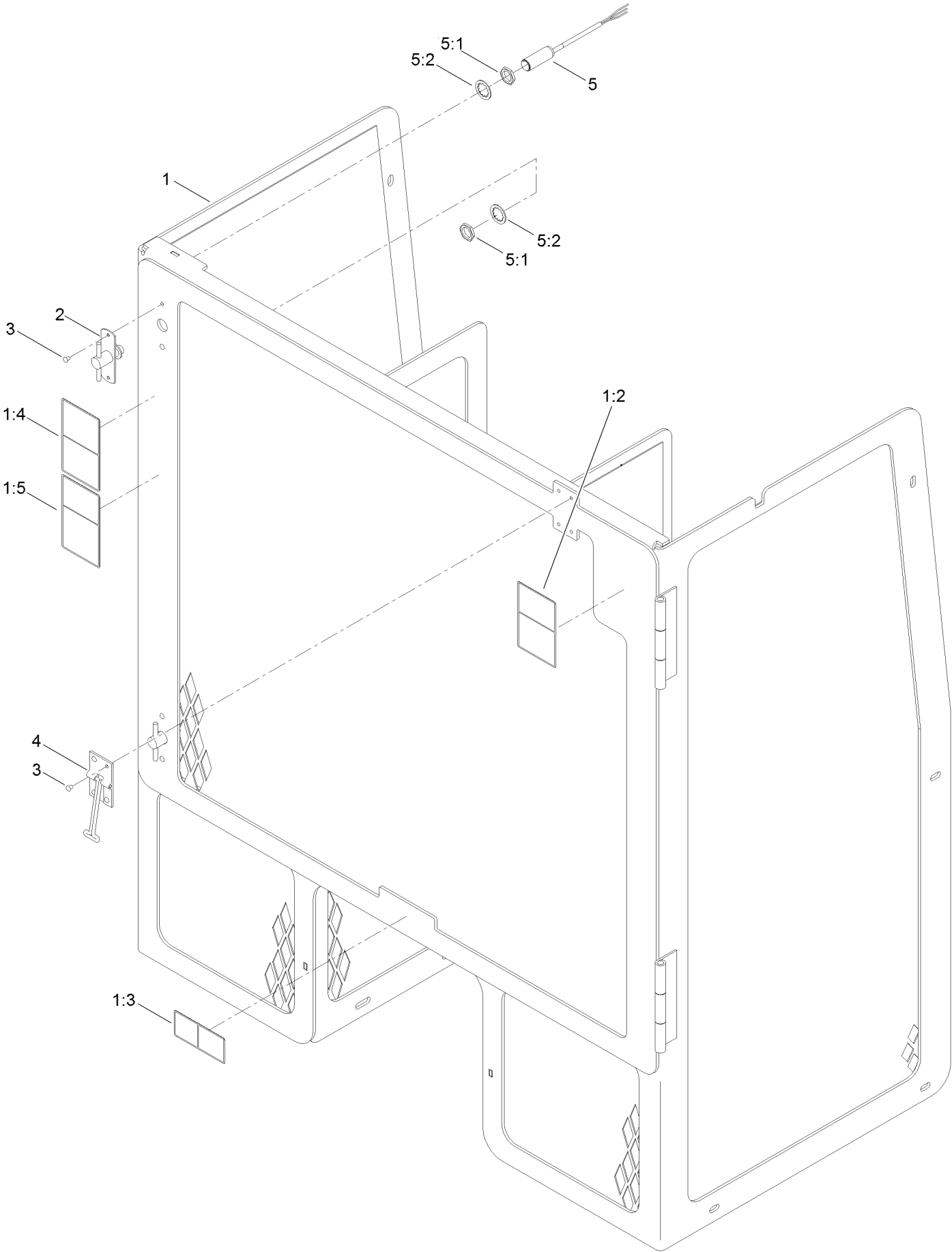
# Planetary, Rod Guide and Stakedown Cage Assembly



## Planetary, Rod Guide and Stakedown Cage Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|------------------------|
| 1           | AU123409           | 2           | Plate-Shim, Bushing Guide         | 23          | AU8SR16001         | 4           | Ring-Retaining, E-Type |
| 2           | AU115589-03        | 2           | Guide-Rod, Lower                  | 24          | AU32GB7509-03      | 2           | Spacer-Tube            |
| 3           | AU119095           | 2           | Bushing-Guide, Rod                | 25          | AU8HC25036         | 2           | HYD Cylinder ASM       |
| 4           | AU115588-03        | 2           | Guide-Rod, Upper                  | 26          | AU32GB7522         | 4           | Pin-Bar                |
| 5           | 33106-030          | 8           | Screw-HHF                         | 27          | 3272-15            | 8           | Pin-Cotter             |
| 6           | 125-6512           | 1           | Stakedown Cage ASM                | 28          | 302-57             | 2           | Fitting-Grease         |
| 7           | AU122462-03        | 1           | Plate-Guard                       | 29          | 340-18             | 4           | Fitting-HYD, 90 DEG    |
| 8           | AU100862           | 3           | Nut-U                             | 29:1        | 237-79             | 1           | O-Ring                 |
| 9           | 33104-035          | 3           | Screw-HHF                         | 29:2        | 237-22             | 1           | O-Ring                 |
| 10          | 33104-030          | 11          | Screw-HHF                         | 30          | 340-130            | 4           | Fitting-Elbow, 90      |
| 11          | 104-3082           | 11          | Nut-Lock, HHF                     | 30:1        | 237-22             | 1           | O-Ring                 |
| 12          | AU124995-03        | 2           | Plate-Mount, Stakedown            | 30:2        | 237-80             | 1           | O-Ring                 |
| 13          | AU122788-03        | 2           | Bracket ASM                       | 31          | AU8CL21704         | 2           | Clamp-Half (Set Of 2)  |
| 14          | AU100357           | 4           | Screw-HHF                         | 32          | AU8CL21201         | 2           | Plate-Cover, Twin      |
| 15          | 115-1115           | 4           | Nut-Lock, HHF                     | 33          | 122-0144           | 2           | Work Light ASM         |
| 16          | 125-6520-03        | 2           | Stakedown                         | 34          | 2412-138           | 1           | R-Clamp                |
| 17          | AU8GB80063         | 2           | Planetary Gearbox ASM             | 35          | 127-0897           | 4           | Pin-Lynch              |
| 18          | AU8HM24048         | 2           | HYD Motor ASM                     | 36          | AU864-12040        | 8           | Screw-HSH              |
| 19          | AU32GB7527-03      | 2           | Retainer                          | 37          | 322-6              | 2           | Screw-HH               |
| 20          | 33105-090          | 16          | Screw-HHF                         | 38          | 3253-7             | 8           | Washer-Lock            |
| 21          | AU32GB7526-03      | 2           | Coupler-Auger Drive,<br>Stakedown | 39          | 103-9511           | 16          | Nut-Lock, NI           |
| 22          | AU32GB7507         | 2           | Pin-Bar, Auger Coupler            |             |                    |             |                        |

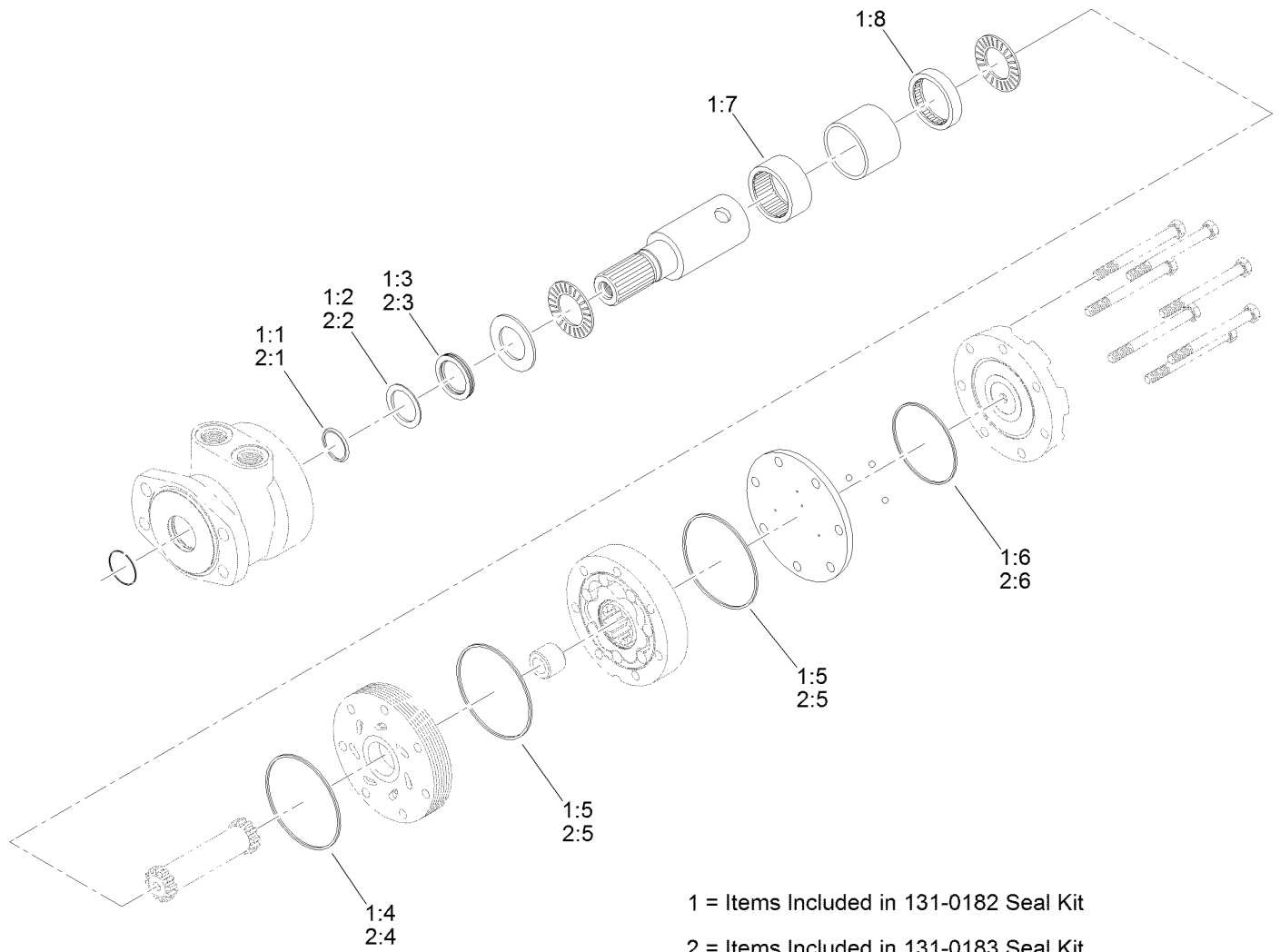
# Stakedown Cage Assembly No. 125-6512



## Stakedown Cage Assembly No. 125-6512 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|-----------------------------|
| 1           | 127-0875           | 1           | Stakedown Cage ASM           | 2           | AUL102515          | 2           | Latch                       |
| 1:2         | 125-6131           | 2           | Decal-Danger, Hazardous Area | 3           | 1-803035           | 8           | Rivet-Pop                   |
| 1:3         | 125-6119           | 1           | Decal-Danger, Entanglement   | 4           | AU114618           | 1           | Latch-Retaining             |
| 1:4         | 125-6126           | 1           | Decal-Warning, Entanglement  | 5           | 115-5300           | 1           | Proximity Switch ASM        |
| 1:5         | 125-6114           | 1           | Decal-Danger, Impact Hazard  | 5:1         | 117-3207           | 2           | Nut-Hex                     |
|             |                    |             |                              | 5:2         | 117-3208           | 2           | Washer-Lock, Internal Tooth |

# Hydraulic Motor Assembly No. AU8HM24048



# Hydraulic Motor Assembly No. AU8HM24048 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 1           | 131-0182           | 1           | Seal Kit                 |
| 1:1         |                    | 1           | Seal-Excluder ●          |
| 1:2         |                    | 1           | Seal-Backup ●            |
| 1:3         |                    | 1           | Seal-Shaft ●             |
| 1:4         |                    | 1           | Seal-Housing ●           |
| 1:5         |                    | 2           | Seal-Body ●              |
| 1:6         |                    | 1           | Seal-Endcover ●          |
| 1:7         |                    | 1           | Bearing-Housing, Front ● |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------|
| 1:8         |                    | 1           | Bearing-Housing, Rear ● |
| 2           | 131-0183           | 1           | Seal Kit                |
| 2:1         |                    | 1           | Seal-Excluder ●         |
| 2:2         |                    | 1           | Seal-Backup ●           |
| 2:3         |                    | 1           | Seal-Shaft ●            |
| 2:4         |                    | 1           | Seal-Housing ●          |
| 2:5         |                    | 2           | Seal-Body ●             |
| 2:6         |                    | 1           | Seal-Endcover ●         |

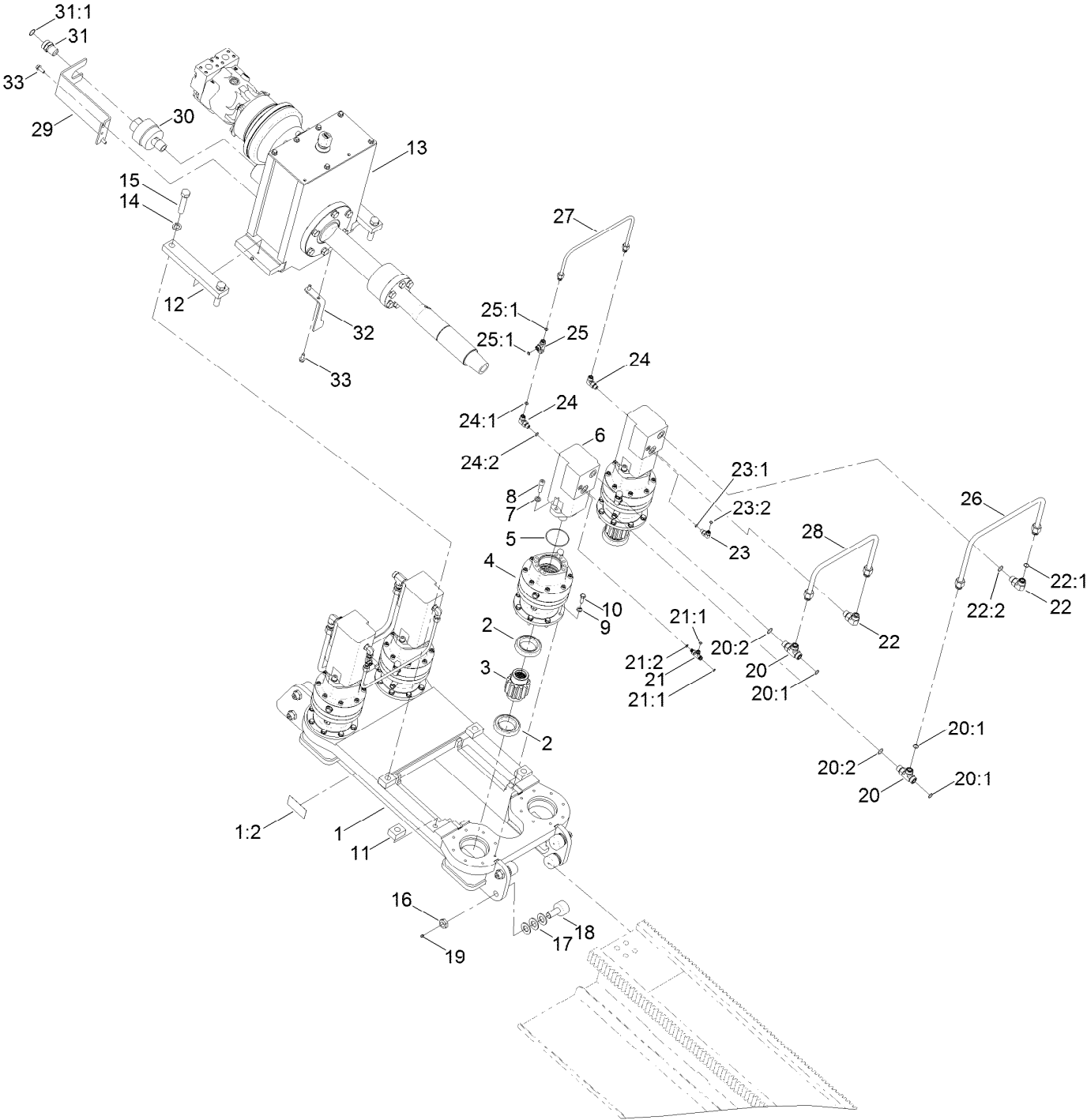
● Not serviced separately



# Hydraulic Cylinder Assembly No. AU8HC25036 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU8HC25036-1       | 1           | Seal Kit           |

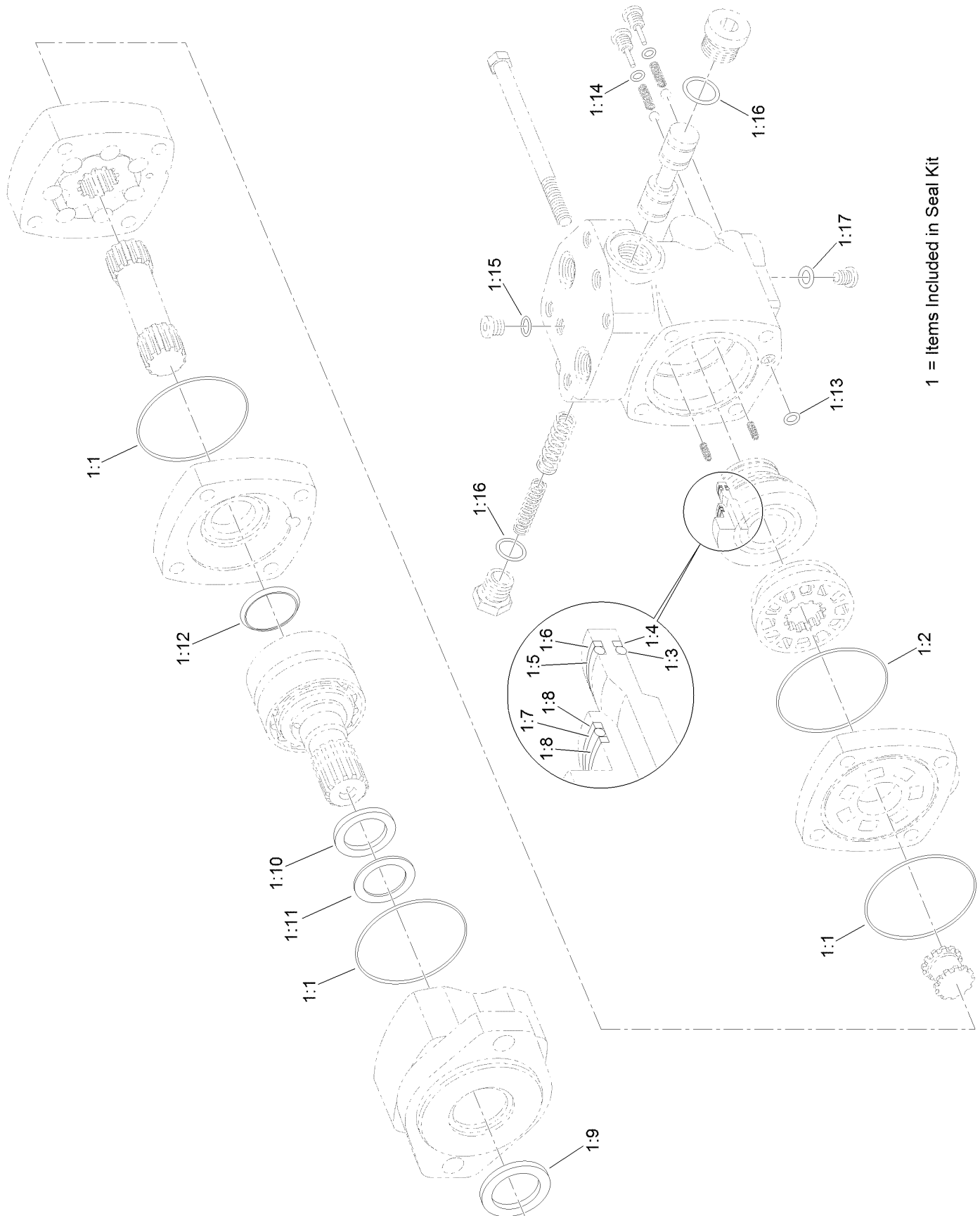
# Carriage and Rotary Assembly



## Carriage and Rotary Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|------------------------------------------|
| 1           | 127-0934           | 1           | Carriage ASM               | 21:2        | 237-78             | 1           | O-Ring                                   |
| 1:2         | 125-6110           | 2           | Decal-Danger, Crushing     | 22          | 340-17             | 4           | Fitting-HYD, 90 DEG                      |
| 2           | AU8CF40005         | 8           | Bearing-Ball, Radial       | 22:1        | 237-65             | 1           | O-Ring                                   |
| 3           | AU32GB4020         | 4           | Pinion-Drive, Carriage     | 22:2        | 237-80             | 1           | O-Ring                                   |
| 4           | AU8GB80063         | 4           | Planetary Gearbox ASM      | 23          | 340-132            | 2           | Fitting-HYD, 90 DEG                      |
| 5           | AU8HS51152         | 4           | O-Ring                     | 23:1        | 237-78             | 1           | O-Ring                                   |
| 6           | AU115604           | 4           | HYD Motor ASM              | 23:2        | 237-21             | 1           | O-Ring                                   |
| 7           | 3253-7             | 8           | Washer-Lock                | 24          | 340-77             | 4           | Fitting-HYD, 90 DEG                      |
| 8           | AU864-12040        | 8           | Screw-HSH                  | 24:1        | 237-22             | 1           | O-Ring                                   |
| 9           | 3253-6             | 32          | Washer-Lock                | 24:2        | 237-42             | 1           | O-Ring                                   |
| 10          | 33115-030          | 32          | Screw-HH                   | 25          | 340-115            | 2           | Fitting-Tee, Swivel Nut                  |
| 11          | AU32GB4022-03      | 4           | Spacer-Clamp, Carriage     | 25:1        | 237-22             | 2           | O-Ring                                   |
| 12          | AU32GB4021-03      | 2           | Clamp-Rotary Box, Carriage | 26          | AU119410           | 2           | Tube-HYD, 5/8 In (Motor To Motor)        |
| 13          | 133-6208-03        | 1           | Rotary Box ASM             | 27          | AU119452           | 2           | Tube-HYD, 3/8 In (Case Drain Mtr To Mtr) |
| 14          | 3253-9             | 4           | Washer-Lock                | 28          | AU119409           | 2           | Tube-HYD, 5/8 In (Motor To Motor)        |
| 15          | AU426-1256         | 4           | Screw-HH                   | 29          | AU32GB4475-03      | 1           | Bracket-Swivel, Mud                      |
| 16          | 3296-60            | 8           | Nut-Lock, NI               | 30          | AU32GB4210         | 1           | Swivel-Mud                               |
| 17          | AU496-11094        | 24          | Washer                     | 31          | AU8OA11616         | 1           | Fitting-Straight                         |
| 18          | AU8CF30032         | 8           | Bearing-Follower, Cam      | 31:1        | 340-65             | 1           | O-Ring                                   |
| 19          | 302-63             | 8           | Zerk                       | 32          | AU121312-03        | 1           | Plate-Trigger, Proximity                 |
| 20          | 340-22             | 4           | Fitting-HYD, Tee           | 33          | 3234-42            | 4           | Screw-HHF                                |
| 20:1        | 237-65             | 2           | O-Ring                     |             |                    |             |                                          |
| 20:2        | 237-80             | 1           | O-Ring                     |             |                    |             |                                          |
| 21          | 340-140            | 2           | Adapter-Tee                |             |                    |             |                                          |
| 21:1        | 237-21             | 2           | O-Ring                     |             |                    |             |                                          |

# Hydraulic Motor Assembly No. AU115604



1 = Items Included in Seal Kit

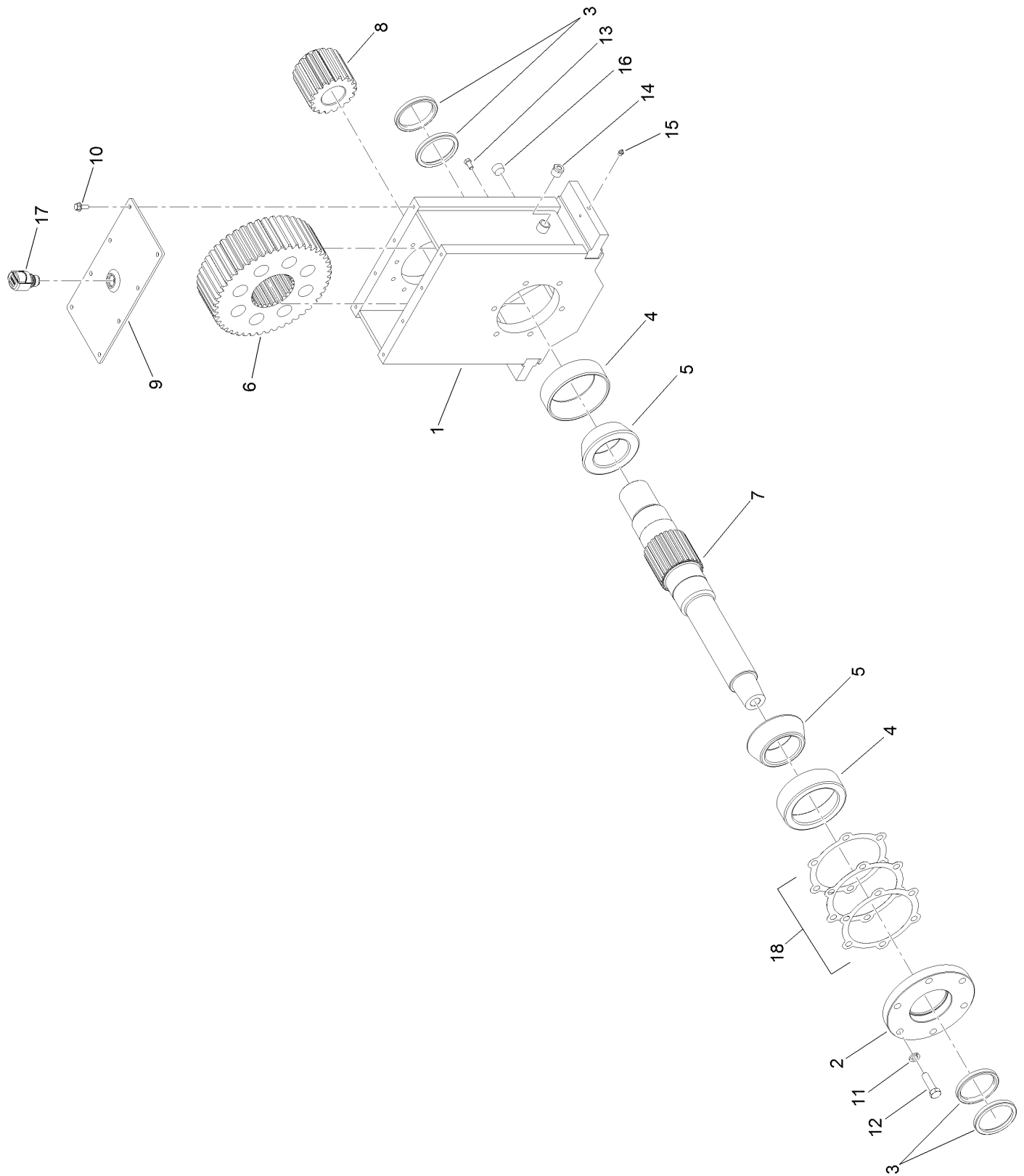
# Hydraulic Motor Assembly No. AU115604 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 127-6212           | 1           | Seal Kit           |
| 1:1         |                    | 3           | O-Ring ●           |
| 1:2         |                    | 1           | O-Ring ●           |
| 1:3         |                    | 1           | O-Ring ●           |
| 1:4         |                    | 1           | Ring-Backup ●      |
| 1:5         |                    | 1           | O-Ring ●           |
| 1:6         |                    | 1           | Ring-Backup ●      |
| 1:7         |                    | 1           | O-Ring ●           |
| 1:8         |                    | 2           | Ring-Backup ●      |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:9         |                    | 1           | Seal ●             |
| 1:10        |                    | 1           | Seal ●             |
| 1:11        |                    | 1           | Washer-Backup ●    |
| 1:12        |                    | 1           | Seal-Shaft Face ●  |
| 1:13        |                    | 1           | Seal ●             |
| 1:14        |                    | 3           | O-Ring ●           |
| 1:15        |                    | 1           | O-Ring ●           |
| 1:16        |                    | 2           | O-Ring ●           |
| 1:17        |                    | 1           | O-Ring ●           |

● Not serviced separately

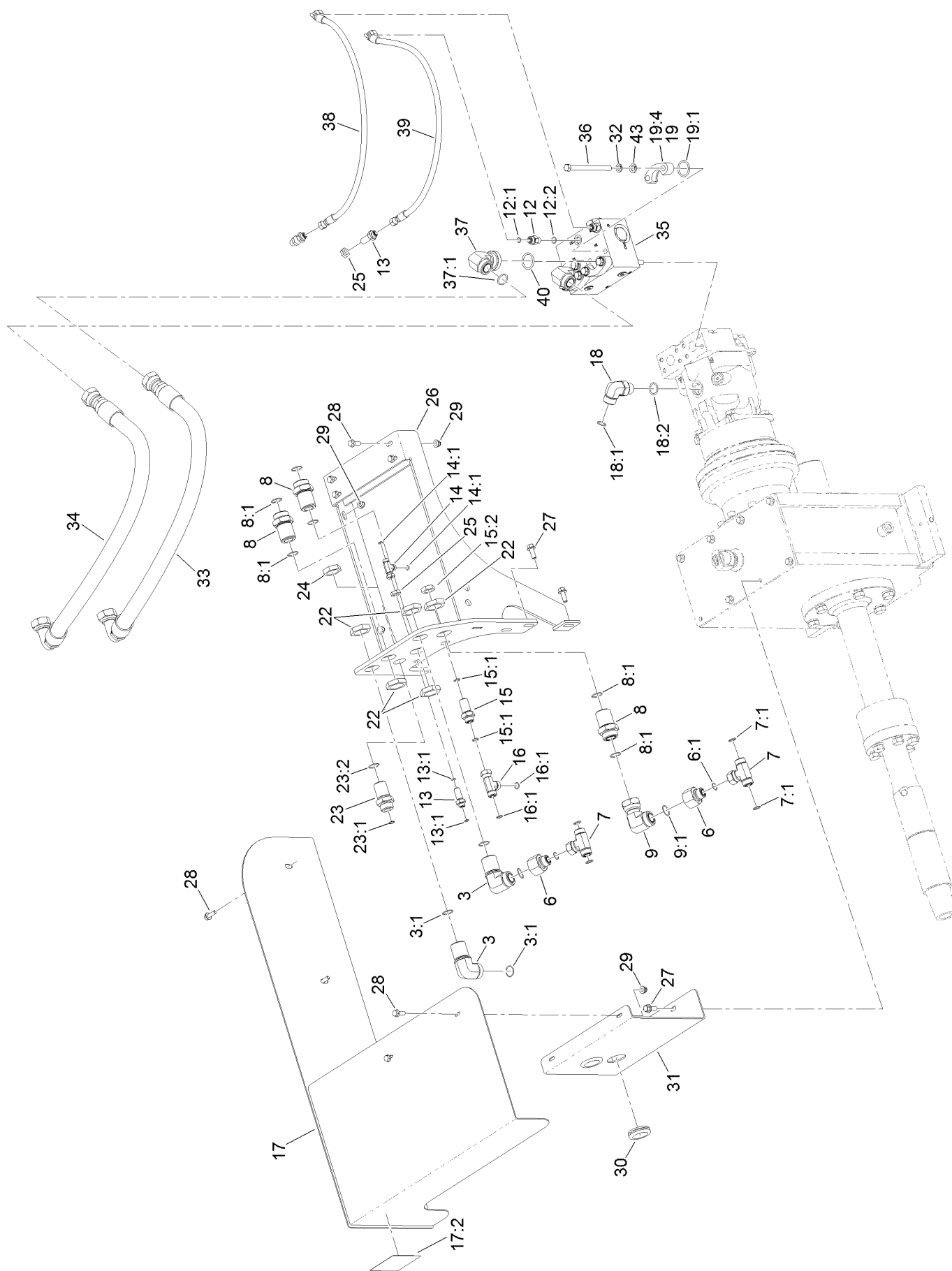
# Rotary Box Assembly No. 133-6208-03



## Rotary Box Assembly No. 133-6208-03 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                 |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|------------------------------------|
| 1           | 125-6144           | 1           | Box-Rotary          | 11          | 3253-23            | 6           | Washer-Lock/Sp                     |
| 2           | AU32GB4412         | 1           | Cap-Bearing, Rotary | 12          | AU8HH51510         | 6           | Screw-HH                           |
| 3           | AU8HS13033         | 4           | Seal-Shaft          | 13          | 323-4              | 2           | Screw-HH                           |
| 4           | AU8CF63007         | 2           | Cup-Bearing         | 14          | AU8PP70008         | 1           | Plug-Site Glass                    |
| 5           | AU8CF63008         | 2           | Cone-Bearing        | 15          | 302-52             | 2           | Fitting-Grease                     |
| 6           | AU32GB4465         | 1           | Gear-Ring, Rotary   | 16          | AU8PP75012         | 1           | Plug-Magnetic, Hex                 |
| 7           | AU32GB4420         | 1           | Spindle-Rotary      | 17          | 115-9793           | 1           | Breather                           |
| 8           | AU32GB4460         | 1           | Pinion-Rotary       | 18          | AU8SM00502         | 1           | Shim-Bearing Adjust (.005In Thick) |
| 9           | 130-4512           | 1           | Rotary Box Cover    |             |                    |             |                                    |
| 10          | 3234-42            | 6           | Screw-HHF           |             |                    |             |                                    |

## Carriage Guard and Mounting Assembly



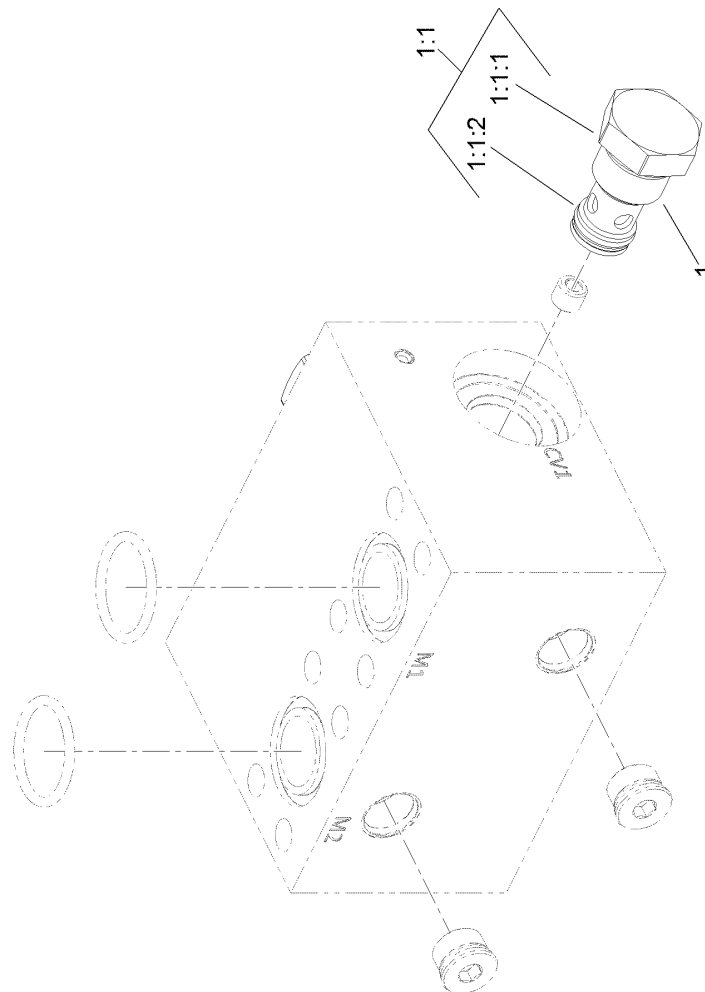
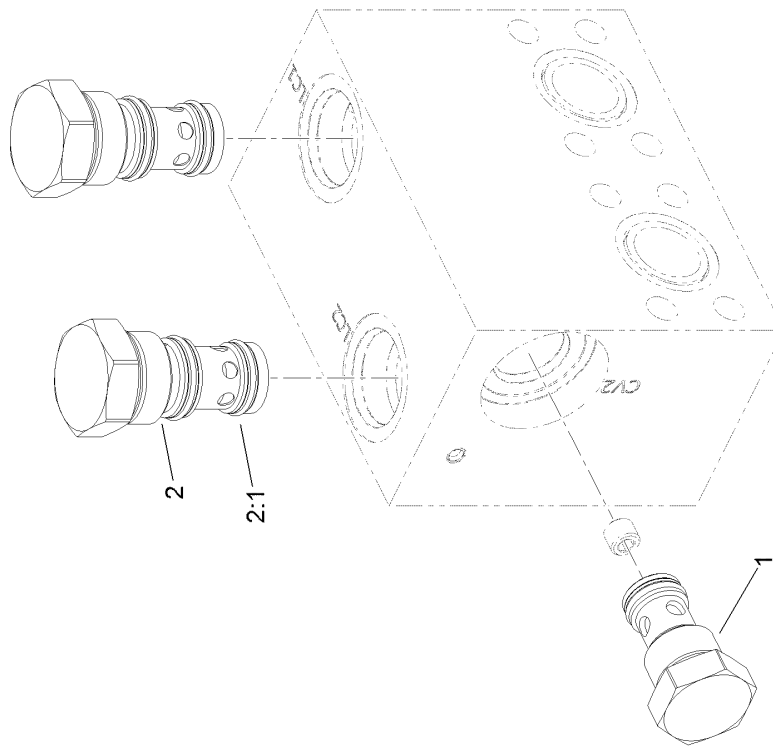
## Carriage Guard and Mounting Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|----------------------------|
| 3           | AU8OL91616         | 2           | Fitting-Elbow, 90       | 19          | AU114285A1         | 2           | HYD Flange Kit             |
| 3:1         | 340-65             | 2           | O-Ring                  | 19:1        | 121-3904           | 1           | O-Ring                     |
| 6           | AU8OA81016         | 2           | Fitting-Reducer         | 19:4        |                    | 2           | Flange-Half, Code 62 ■     |
| 6:1         | 237-65             | 1           | O-Ring                  | 22          | 340-128            | 5           | Nut-Bulkhead               |
| 7           | 340-167            | 2           | Fitting-HYD, Tee        | 23          | AU8OA91212         | 1           | Fitting-Straight           |
| 7:1         | 237-65             | 2           | O-Ring                  | 23:1        | 237-58             | 1           | O-Ring ●                   |
| 8           | 106-0060           | 3           | Adapter-HYD             | 23:2        | 237-81             | 1           | O-Ring ●                   |
| 8:1         | 340-65             | 2           | O-Ring                  | 24          | 340-126            | 1           | Nut-Bulkhead               |
| 9           | 92-7645            | 1           | Fitting-Swivel, 90 DEG  | 25          | 340-78             | 5           | Nut-Lock                   |
| 9:1         | 340-65             | 1           | O-Ring                  | 26          | AU118010-03        | 1           | Mount-Hose Carrier, Rotary |
| 12          | 340-2              | 3           | Fitting-HYD, Straight   | 27          | 3234-42            | 5           | Screw-HHF                  |
| 12:1        | 237-22             | 1           | O-Ring                  | 28          | 33104-025          | 8           | Screw-HHF                  |
| 12:2        | 237-42             | 1           | O-Ring                  | 29          | 104-3082           | 8           | Nut-Lock, HHF              |
| 13          | 94-1444            | 3           | Union-Bulkhead          | 30          | 103-7706           | 2           | Grommet                    |
| 13:1        | 237-21             | 2           | O-Ring                  | 31          | AU119009-03        | 1           | Plate-Support, Guard       |
| 14          | 340-151            | 1           | Fitting-HYD             | 32          | 3253-6             | 8           | Washer-Lock                |
| 14:1        | 237-75             | 2           | O-Ring                  | 33          | 131-9032           | 1           | HYD Hose                   |
| 15          | 340-161            | 1           | Fitting-Bulkhead        | 34          | 131-9031           | 1           | HYD Hose                   |
| 15:1        | 237-30             | 2           | O-Ring                  | 35          | 127-0886           | 1           | Spike Clipper Manifold ASM |
| 15:2        | 340-127            | 1           | Nut-Bulkhead            | 36          | 133-9625           | 8           | Screw-HH                   |
| 16          | 340-104            | 1           | Fitting-HYD, Tee        | 37          | 133-9495           | 2           | Fitting-Elbow 90 Degree    |
| 16:1        | 237-30             | 2           | O-Ring                  | 37:1        | 340-65             | 1           | O-Ring                     |
| 17          | 130-4501           | 1           | Carriage Guard ASM      | 38          | 131-9029           | 1           | HYD Hose                   |
| 17:2        | 125-6107           | 2           | Decal-Warning, Crushing | 39          | 131-9030           | 1           | Hose ASM-HYD               |
| 18          | 340-142            | 1           | Fitting-HYD, 90 DEG     | 40          | 121-3904           | 2           | O-Ring                     |
| 18:1        | 237-58             | 1           | O-Ring                  | 43          | 3253-7             | 8           | Washer-Lock                |
| 18:2        | 237-81             | 1           | O-Ring                  |             |                    |             |                            |

● Not illustrated

■ Not serviced separately

# Spike Clipper Manifold Assembly No. 127-0886



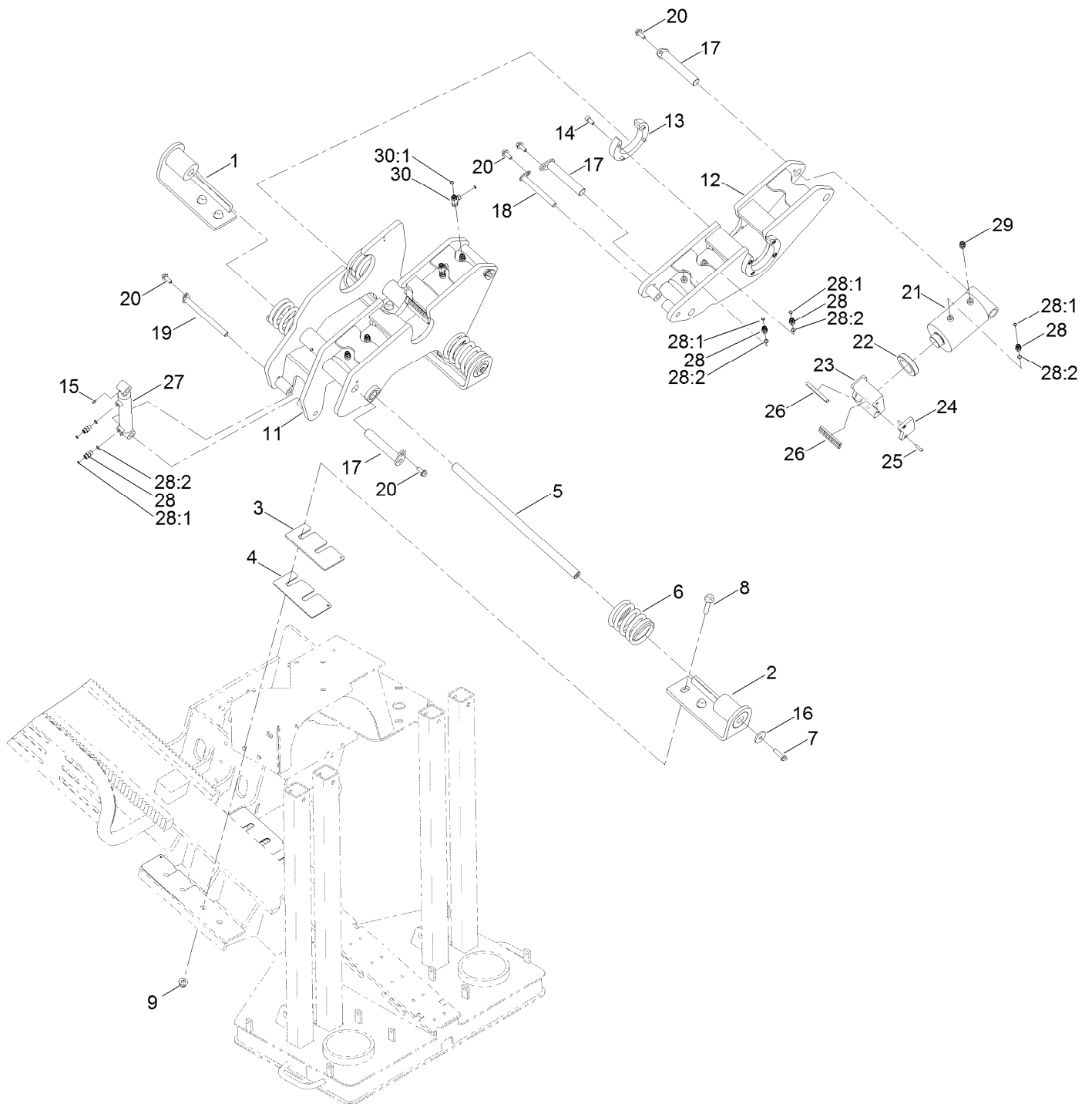
## Spike Clipper Manifold Assembly No. 127-0886 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 125-4328           | 2           | Valve-Check        |
| 1:1         | 125-4336           | 1           | Seal Kit           |
| 1:1:1       |                    | 1           | O-Ring (-912) ●    |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1:1:2       |                    | 1           | O-Ring (-115) ●     |
| 2           | 136-1596           | 2           | Valve-Logic Element |
| 2:1         | 136-1595           | 1           | Seal Kit            |

● Not serviced separately

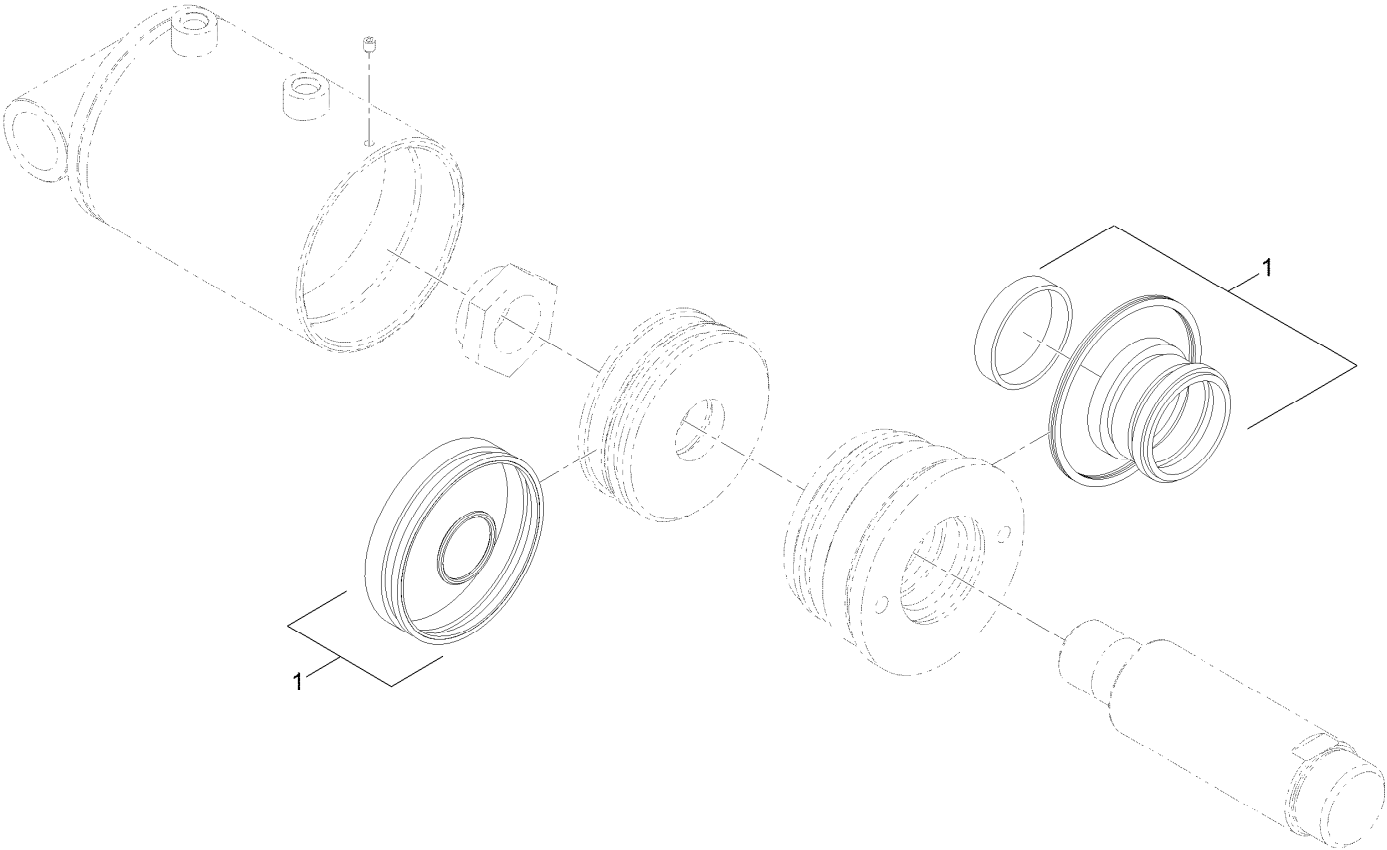
# Front Wrench Assembly



## Front Wrench Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | AU123857-03        | 2           | Bracket-Mounting, Wrench | 18          | AU32GB6225         | 1           | Pin-Retainng            |
| 2           | AU123858-03        | 2           | Bracket-Mounting, Wrench | 19          | AU32GB6226         | 1           | Pin-Retaining           |
| 3           | AU123875-03        | 4           | Shim-Plate, Wrench       | 20          | 33106-030          | 6           | Screw-HHF               |
| 4           | AU123846-03        | 4           | Shim-Plate, Wrench       | 21          | AU116939           | 4           | HYD Cylinder ASM        |
| 5           | AU123860           | 2           | Pin-Wrench               | 22          | AU32GB6010-03      | 4           | Bushing-Cylinder        |
| 6           | AU123859           | 4           | Spring-Compression       | 23          | AU119049           | 4           | Holder-Die, Wrench      |
| 7           | AU100348           | 4           | Screw-HHF                | 24          | AU119046-03        | 8           | Retainer-Die, Wrench    |
| 8           | AU100364           | 8           | Screw-Flange             | 25          | 98-5828            | 16          | Screw-HSH               |
| 9           | AU100529           | 8           | Nut-HHF                  | 26          | AU305643           | 8           | Tong-Die                |
| 11          | 130-4505-03        | 1           | Front Wrench ASM         | 27          | AU8HC10007         | 1           | HYD Cylinder ASM        |
| 12          | 125-6514-03        | 1           | Rear-Wrench              | 28          | 340-2              | 8           | Fitting-HYD, Straight   |
| 13          | AU119038-03        | 2           | Guide-Wrench             | 28:1        | 237-22             | 1           | O-Ring                  |
| 14          | 93-8752            | 8           | Screw-HSH                | 28:2        | 237-42             | 1           | O-Ring                  |
| 15          | 302-57             | 6           | Fitting-Grease           | 29          | AU126449           | 2           | Fitting-Orifice         |
| 16          | AU495-81269        | 4           | Washer-Flat              | 30          | 340-115            | 2           | Fitting-Tee, Swivel Nut |
| 17          | AU119056           | 4           | Pin-W/Flag               | 30:1        | 237-22             | 2           | O-Ring                  |

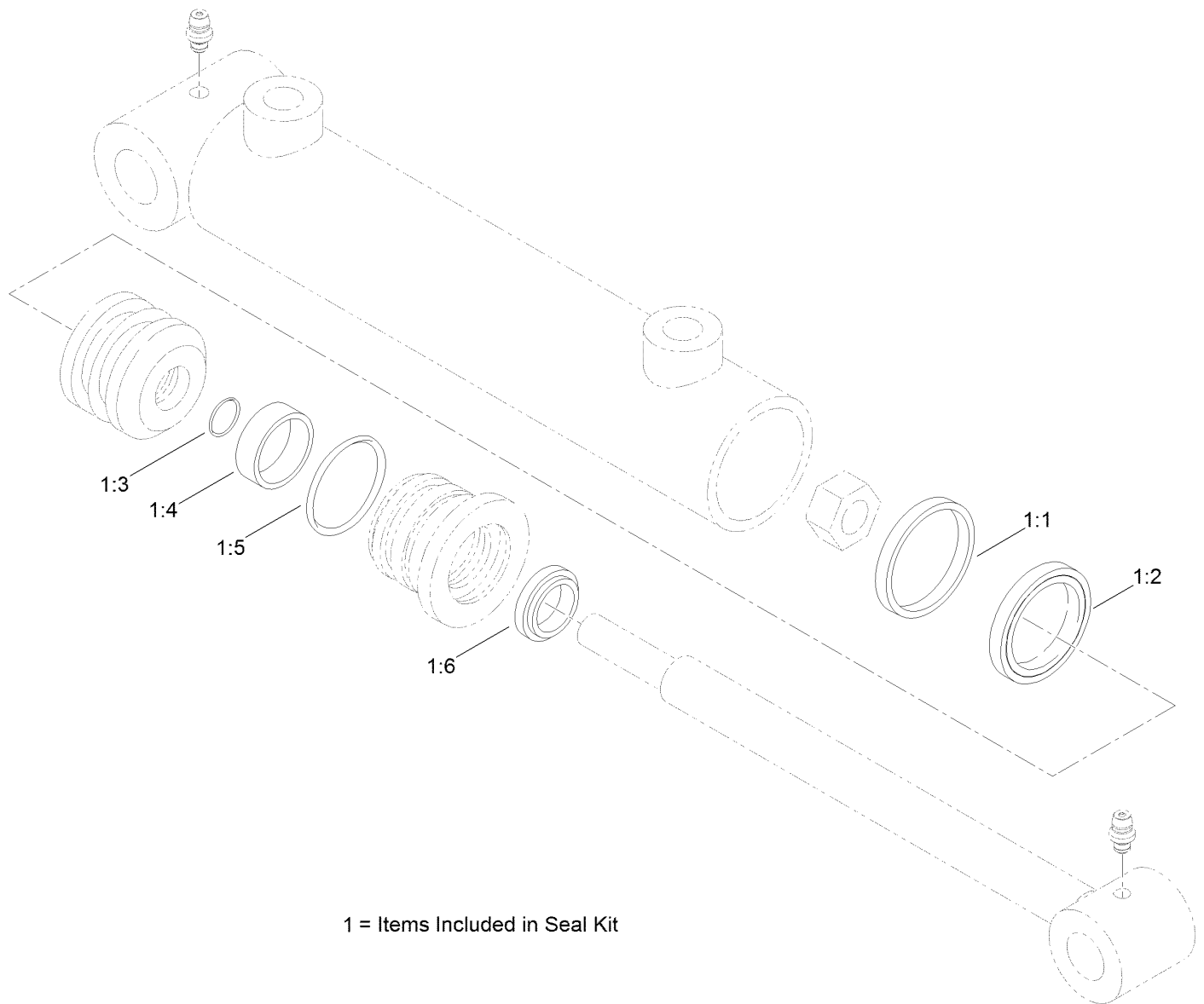
Hydraulic Cylinder Assembly No. AU116939



## Hydraulic Cylinder Assembly No. AU116939 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU118200           | 1           | Seal Kit           |

# Hydraulic Cylinder Assembly No. AU8HC10007



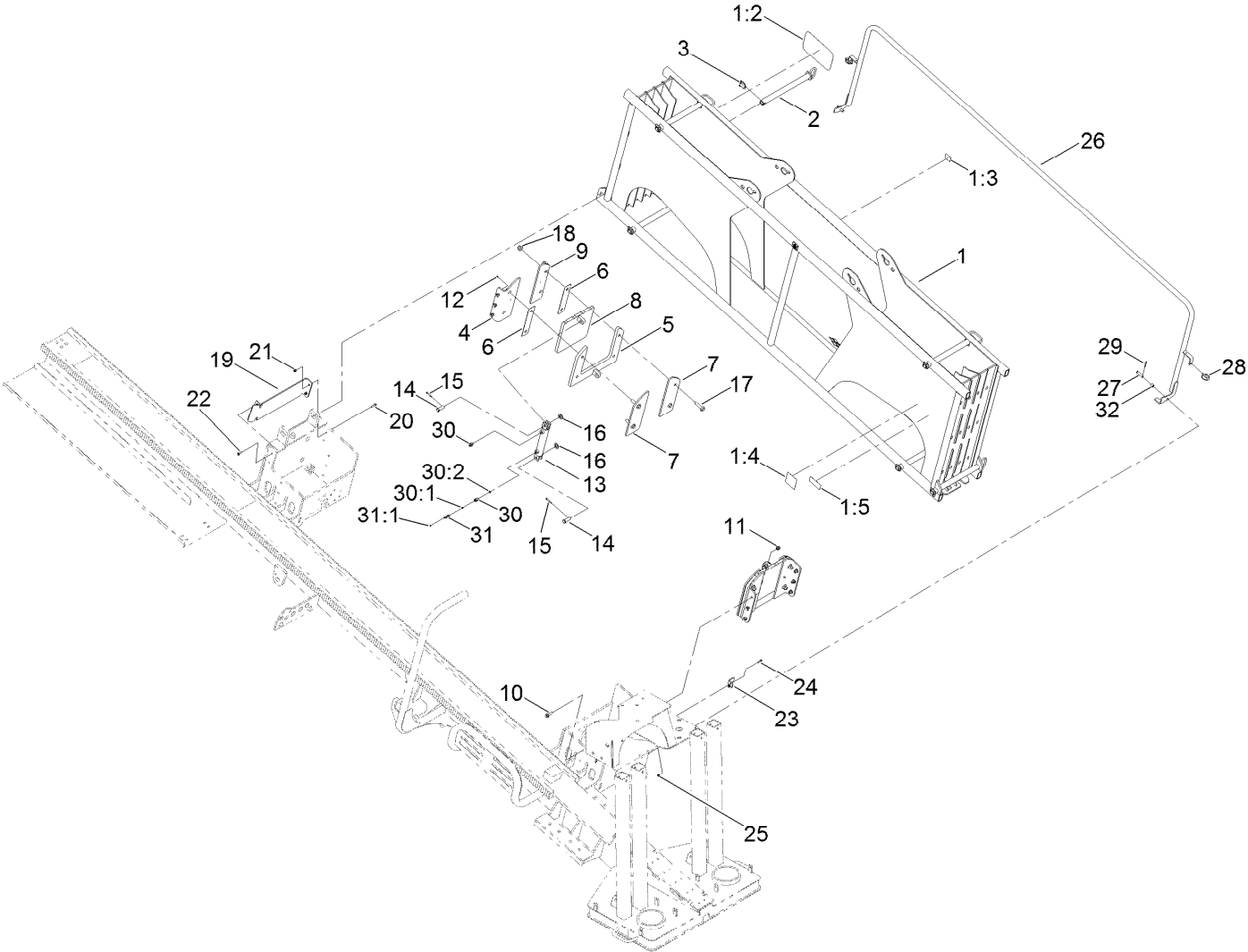
# Hydraulic Cylinder Assembly No. AU8HC10007 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU8HC10007-1       | 1           | Seal Kit           |
| 1:1         |                    | 1           | Ring-Wear ●        |
| 1:2         |                    | 1           | Seal-Psp ●         |
| 1:3         |                    | 1           | O-Ring ●           |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:4         |                    | 1           | O-Ring ●           |
| 1:5         |                    | 1           | Seal-Polypak ●     |
| 1:6         |                    | 1           | Wiper-Rod ●        |

● Not serviced separately

# Rod Box Assembly



## Rod Box Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|------------------------------|
| 1           | 127-0935           | 1           | Rod Box ASM                | 17          | AU100363           | 8           | Screw-HHF                    |
| 1:2         | 105-4222           | 1           | Decal                      | 18          | AU100529           | 8           | Nut-HHF                      |
| 1:3         | 125-6151           | 2           | Decal-Weight, Rod Basket   | 19          | AU118917-03        | 2           | Deflector                    |
| 1:4         | 125-6107           | 1           | Decal-Warning, Crushing    | 20          | 33104-035          | 4           | Screw-HHF                    |
| 1:5         | 125-6119           | 1           | Decal-Danger, Entanglement | 21          | 104-3082           | 4           | Nut-Lock, HHF                |
| 2           | AU118075-01        | 6           | Pin-Rod Box                | 22          | 33104-030          | 4           | Screw-HHF                    |
| 3           | AUD130037          | 6           | Pin-Klik                   | 23          | AU119037-03        | 1           | Bracket-Angle, Rod Ldr Guard |
| 4           | AU118322-03        | 2           | Plate-Mounting, Elevator   | 24          | 33103-025          | 2           | Screw-HHF                    |
| 5           | AU121928-03        | 2           | Plate-Elevator             | 25          | 81-0130            | 2           | Nut-Flange, NI               |
| 6           | AU118323-03        | 4           | Plate-Shim, Elevator       | 26          | AU119031-01        | 1           | Guard                        |
| 7           | AU118325-03        | 4           | Plate-Support, Elevator    | 27          | AU109964           | 2           | Pin-Clevis                   |
| 8           | AU121929-03        | 2           | Mount-Cylinder, Elevator   | 28          | 283-71             | 2           | Pin-Lynch                    |
| 9           | AU118326-03        | 2           | Plate-Mounting, Elevator   | 29          | 3272-19            | 2           | Pin-Cotter                   |
| 10          | AU100347           | 12          | Screw-HHF                  | 30          | 340-1              | 4           | Fitting-HYD, Straight        |
| 11          | AU100528           | 12          | Nut-HHF, Lock              | 30:1        | 237-21             | 1           | O-Ring                       |
| 12          | 302-57             | 4           | Fitting-Grease             | 30:2        | 237-42             | 1           | O-Ring                       |
| 13          | AU118214           | 2           | HYD Cylinder ASM           | 31          | AU111506           | 2           | Fitting-Straight             |
| 14          | AUH30262           | 4           | Pin-Clevis                 | 31:1        | 237-21             | 1           | O-Ring                       |
| 15          | 3272-30            | 4           | Pin-Cotter                 | 32          | 57-4230            | 1           | Spacer-Tubular               |
| 16          | 3256-28            | 4           | Washer-Flat                |             |                    |             |                              |

# Hydraulic Cylinder Assembly No. AU118214

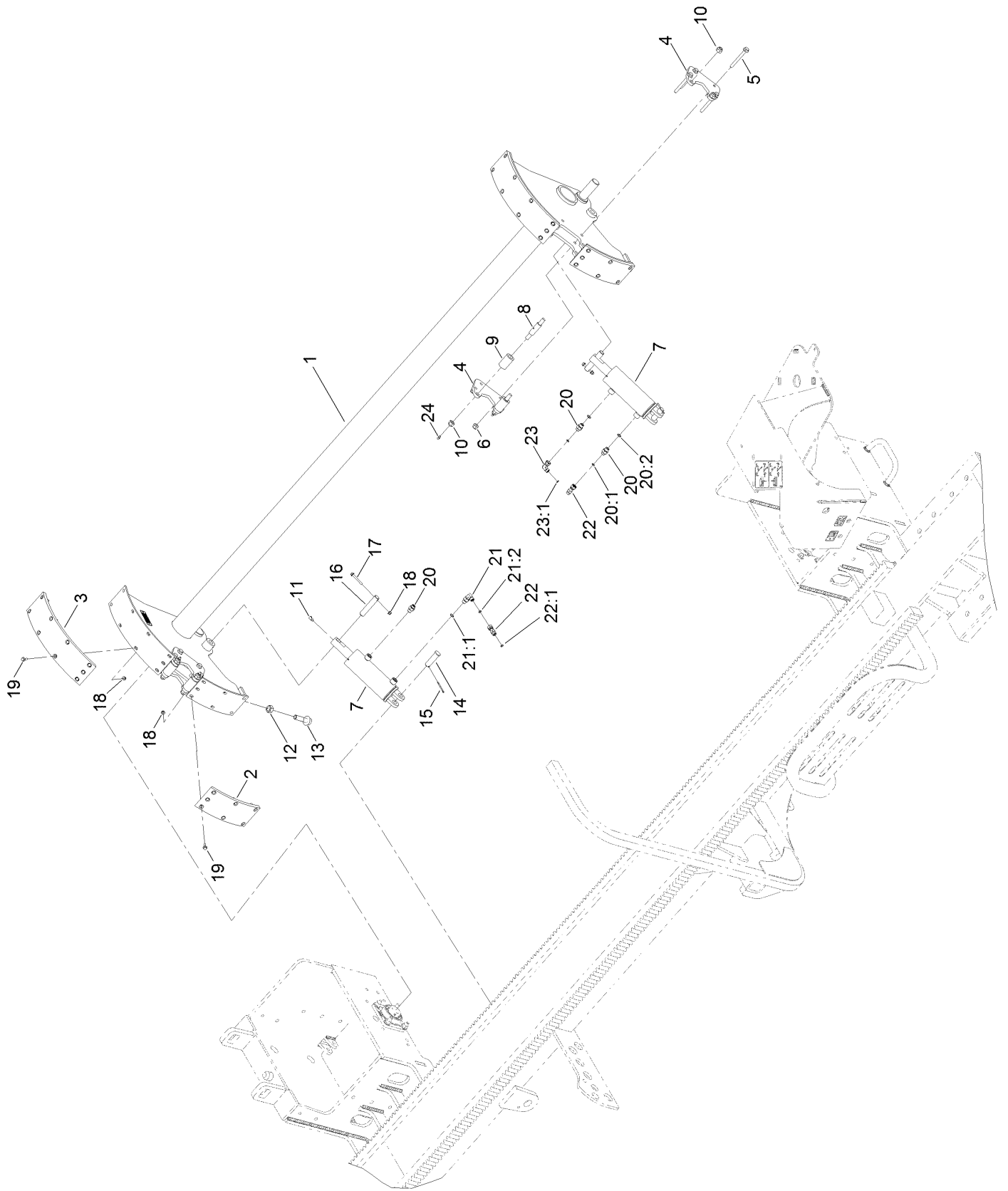
# Hydraulic Cylinder Assembly No. AU118214 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-0170           | 1           | Gland Seal Kit     |
| 1:1         |                    | 1           | O-Ring ●           |
| 1:2         |                    | 1           | Seal-Wiper, Rod ●  |
| 1:3         |                    | 1           | Seal-Rod ●         |
| 1:4         |                    | 1           | Ring-Back Up ●     |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:5         |                    | 1           | O-Ring ●           |
| 2           | 131-0171           | 1           | Piston Seal Kit    |
| 2:1         |                    | 1           | O-Ring ●           |
| 2:2         |                    | 1           | Seal-Psp ●         |
| 2:3         |                    | 1           | Ring-Wear ●        |

● Not serviced separately

# Rod Loader Cam Assembly



## Rod Loader Cam Assembly (continued)

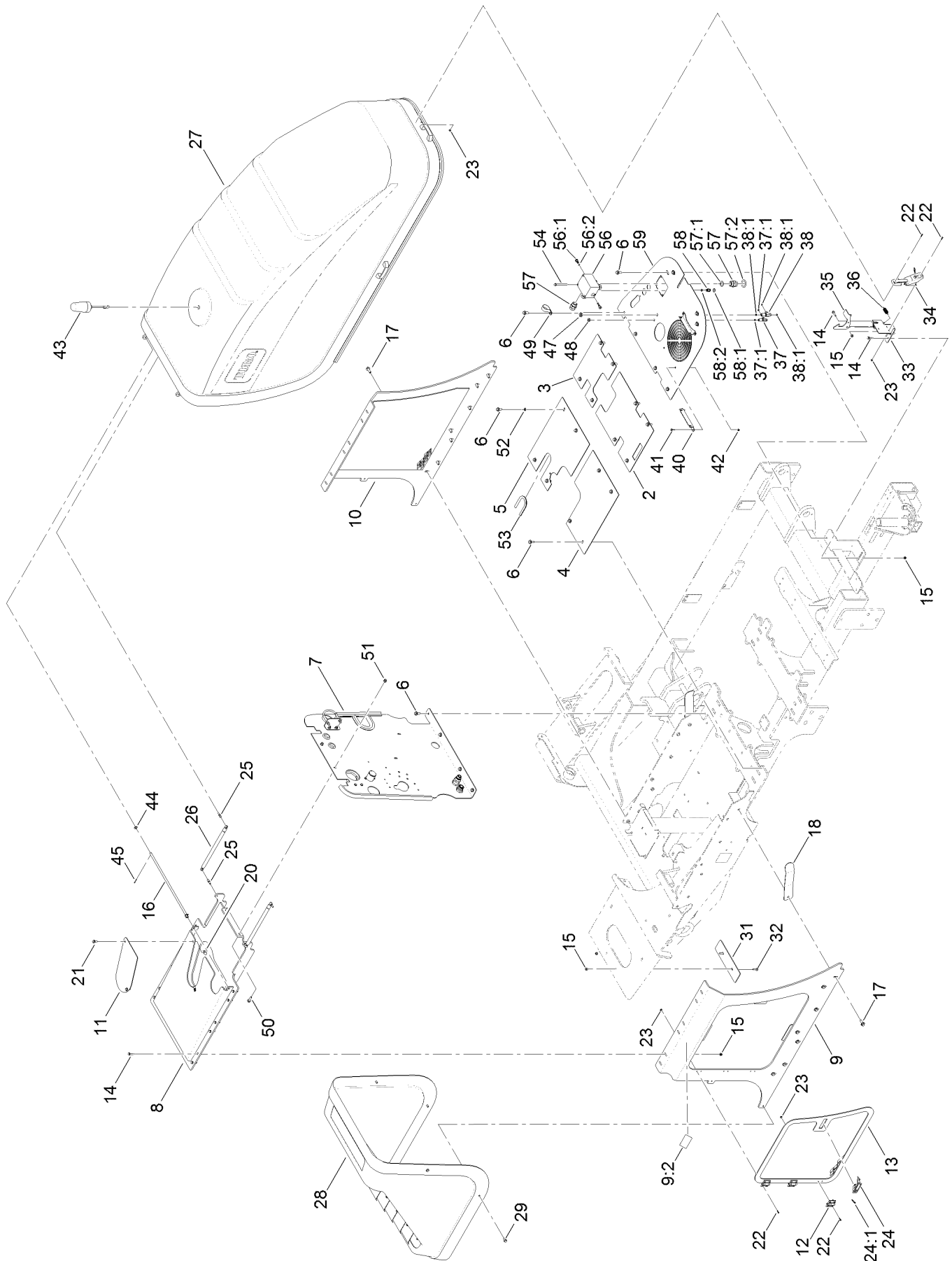
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 131-0139           | 1           | Rod Loader Cam               | 16          | AU117427           | 2           | Pin-Straight          |
| 2           | AU117305           | 2           | Pad-Wear, Rod Loader (Short) | 17          | 33103-050          | 2           | Screw-HHF             |
| 3           | AU117284           | 2           | Pad-Wear, Rod Loader (Long)  | 18          | 81-0130            | 34          | Nut-Flange, NI        |
| 4           | AU117358-03        | 4           | Plate-Holder, Pipe           | 19          | 33103-025          | 32          | Screw-HHF             |
| 5           | 33105-090          | 8           | Screw-HHF                    | 20          | 340-1              | 3           | Fitting-HYD, Straight |
| 6           | 103-9511           | 8           | Nut-Lock, NI                 | 20:1        | 237-21             | 1           | O-Ring                |
| 7           | AU120606           | 2           | HYD Cylinder ASM             | 20:2        | 237-42             | 1           | O-Ring                |
| 8           | AU117339           | 4           | Shaft-Roller, Pipe           | 21          | 340-82             | 1           | Fitting-HYD, 90       |
| 9           | AU117340           | 4           | Tube-Roller                  | 21:1        | 237-42             | 1           | O-Ring                |
| 10          | AU232-4118         | 8           | Nut-Hex                      | 21:2        | 237-21             | 1           | O-Ring                |
| 11          | 302-40             | 2           | Fitting-Grease, 90 DEG       | 22          | AU111506           | 2           | Fitting-Straight      |
| 12          | 33018-00           | 2           | Nut-Hex                      | 22:1        | 237-21             | 1           | O-Ring                |
| 13          | 33108-060          | 2           | Screw-HHF                    | 23          | 92-2745            | 1           | Fitting-Adaptor       |
| 14          | AU109885           | 2           | Pin-Clevis                   | 23:1        | 237-21             | 1           | O-Ring                |
| 15          | 3272-19            | 2           | Pin-Cotter                   | 24          | 302-57             | 4           | Fitting-Grease        |

# Hydraulic Cylinder Assembly No. AU120606

## Hydraulic Cylinder Assembly No. AU120606 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU124046           | 1           | Gland Seal Kit     |
| 2           | AU124048           | 1           | Piston Seal Kit    |

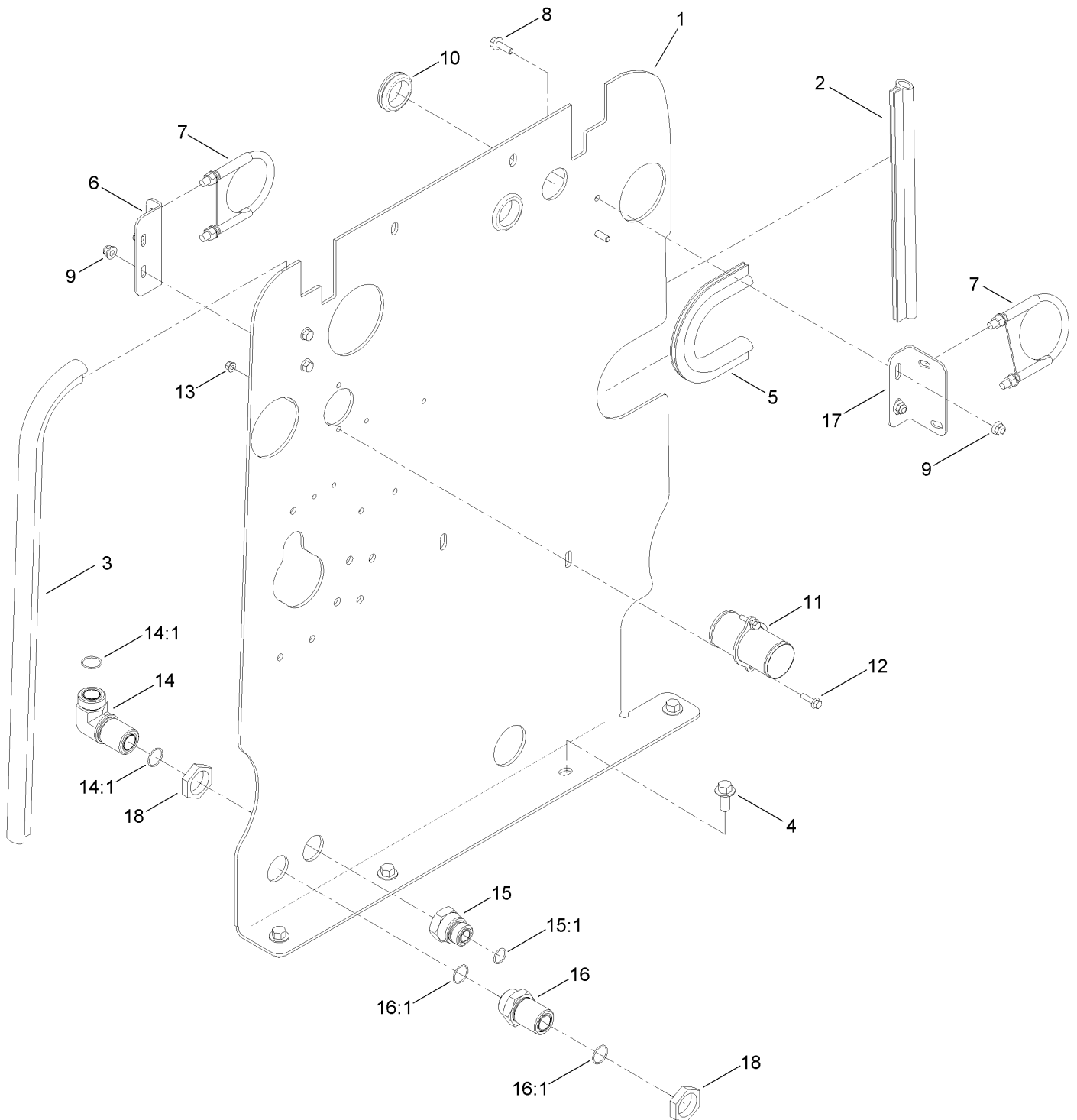
# Hood Assembly



## Hood Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                     |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|----------------------------------------|
| 2           | AU130551-03        | 1           | Plate-Seal, Hood                  | 34          | AU130765           | 1           | Latch-Draw, Lockable                   |
| 3           | AU130552-03        | 1           | Plate-Seal, Hood                  | 35          | AU111869-03        | 1           | Hook-Hood, Safety Latch                |
| 4           | AU116572-03        | 1           | Plate-Hood Seal                   | 36          | AU112966           | 1           | Spring-Tension                         |
| 5           | AU116573-03        | 1           | Plate-Hood Seal                   | 37          | AU8OR90404         | 1           | Fitting-Tee                            |
| 6           | 33106-020          | 24          | Screw-HHF                         | 37:1        | 237-21             | 3           | O-Ring                                 |
| 7           | 127-5263           | 1           | Bulk Head ASM                     | 38          | 340-68             | 1           | Fitting-Tee, Bulkhead                  |
| 8           | AU130383-03        | 1           | Mounting-Hood                     | 38:1        | 237-22             | 3           | O-Ring                                 |
| 9           | 127-0938           | 1           | Hood Mounting ASM                 | 40          | AU124320-03        | 2           | Plate-Mount, Fan                       |
| 9:2         | 125-6129           | 1           | Decal-Warning, Hot Surface        | 41          | 33103-025          | 4           | Screw-HHF                              |
| 10          | AU130385-03        | 1           | Mount-Hood                        | 42          | 81-0130            | 4           | Nut-Flange, NI                         |
| 11          | AU130648-03        | 1           | Plate-Cover                       | 43          | 125-4528           | 1           | Light-Strobe                           |
| 12          | AU123695           | 3           | Hinge                             | 44          | 110-7191           | 2           | Washer-Thrust                          |
| 13          | AU130630-03        | 1           | Door-Side                         | 45          | 3272-11            | 2           | Pin-Cotter                             |
| 14          | 33104-035          | 15          | Screw-HHF                         | 47          | 340-70             | 1           | Nut-Lock                               |
| 15          | 104-3082           | 20          | Nut-Lock, HHF                     | 48          | 340-78             | 1           | Nut-Lock                               |
| 16          | AU118537           | 1           | Pin-Mount, Hood                   | 49          | 127-0518           | 1           | Clamp-R                                |
| 17          | 33106-035          | 14          | Screw-HHF                         | 50          | 33105-035          | 2           | Screw-HHF                              |
| 18          | AU32GB5016-03      | 2           | Guide-Hood                        | 51          | 103-9511           | 2           | Nut-Lock, NI                           |
| 20          | AU100863           | 2           | Nut-U                             | 52          | 3255-2             | 1           | Washer-Lock, EXT                       |
| 21          | 108-1531           | 2           | Screw-HHF                         | 53          | 127-5316           | 1           | Trim-Tank                              |
| 22          | 360-0137           | 17          | Screw-PRH                         | 54          | AU100328           | 3           | Screw-HHF                              |
| 23          | 32149-8            | 17          | Nut-Keps                          | 56          | 131-9035           | 1           | Manifold-Valve, Check<br>Clipper Spike |
| 24          | AU50GB2302         | 1           | Latch-Trigger, Raised<br>(W/Lock) | 56:1        | 136-1592           | 2           | Valve-Poppet, Check N.C.               |
| 24:1        | 131-0148           | 1           | Key-Replacement                   | 56:2        | 136-1593           | 2           | Seal Kit                               |
| 25          | AU8HH96100         | 4           | Stud-Ball                         | 57          | 104-3797           | 4           | Fitting-HYD, Straight                  |
| 26          | AU32GB5110         | 2           | Spring-Gas                        | 57:1        | 237-146            | 1           | O-Ring                                 |
| 27          | 136-1554           | 1           | Front Hood ASM                    | 57:2        | 340-65             | 1           | O-Ring                                 |
| 28          | AU118302           | 1           | Rear Hood ASM                     | 58          | 340-2              | 2           | Fitting-HYD, Straight                  |
| 29          | 93-2569            | 4           | Screw-HHF                         | 58:1        | 237-22             | 1           | O-Ring                                 |
| 31          | AU119331-03        | 1           | Plate-Sandwich, Hood Stop         | 58:2        | 237-42             | 1           | O-Ring                                 |
| 32          | 33104-030          | 2           | Screw-HHF                         | 59          | 131-9037-03        | 2           | Plate-Bulkhead                         |
| 33          | AU118512-03        | 1           | Mount-Hood, Safety Latch          |             |                    |             |                                        |

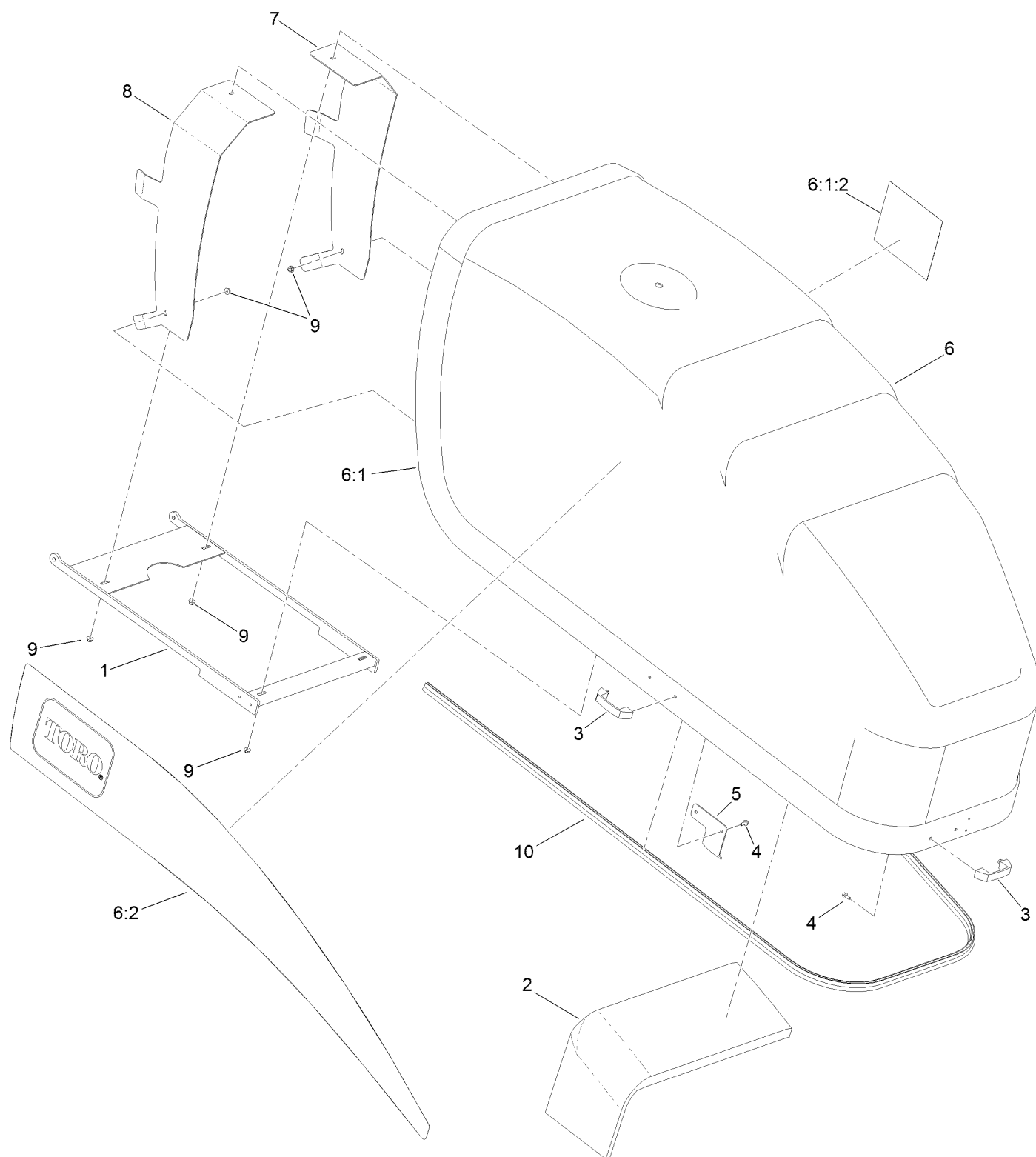
# Bulkhead Assembly No. 127-5263



## Bulkhead Assembly No. 127-5263 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 127-0939           | 1           | Bulk Head ASM           | 12          | 33103-025          | 2           | Screw-HHF                 |
| 2           | 127-5302           | 1           | Seal-Bulb, LH           | 13          | 81-0130            | 2           | Nut-Flange, NI            |
| 3           | 127-5301           | 1           | Seal-Bulb, RH           | 14          | AU8OL91616         | 1           | Fitting-Elbow, 90         |
| 4           | 33106-020          | 4           | Screw-HHF               | 14:1        | 340-65             | 2           | O-Ring                    |
| 5           | 127-5300           | 1           | Seal-Bulb               | 15          | AU8OA81216         | 1           | Fitting-Reducer           |
| 6           | AU120221-03        | 1           | Plate-Support, Exhaust  | 15:1        | 237-58             | 1           | O-Ring                    |
| 7           | AU8NG28118         | 2           | Clamp-Guillotine        | 16          | 106-0060           | 1           | Adapter-HYD               |
| 8           | 33104-025          | 4           | Screw-HHF               | 16:1        | 340-65             | 2           | O-Ring                    |
| 9           | 104-3082           | 4           | Nut-Lock, HHF           | 17          | AU130659-03        | 1           | Plate-Support, Charge Air |
| 10          | 103-7706           | 2           | Grommet                 | 18          | 340-128            | 2           | Nut-Bulkhead              |
| 11          | AU120224-03        | 1           | Tube-Bulkhead, Radiator |             |                    |             |                           |

# Front Hood Assembly No. 136-1554

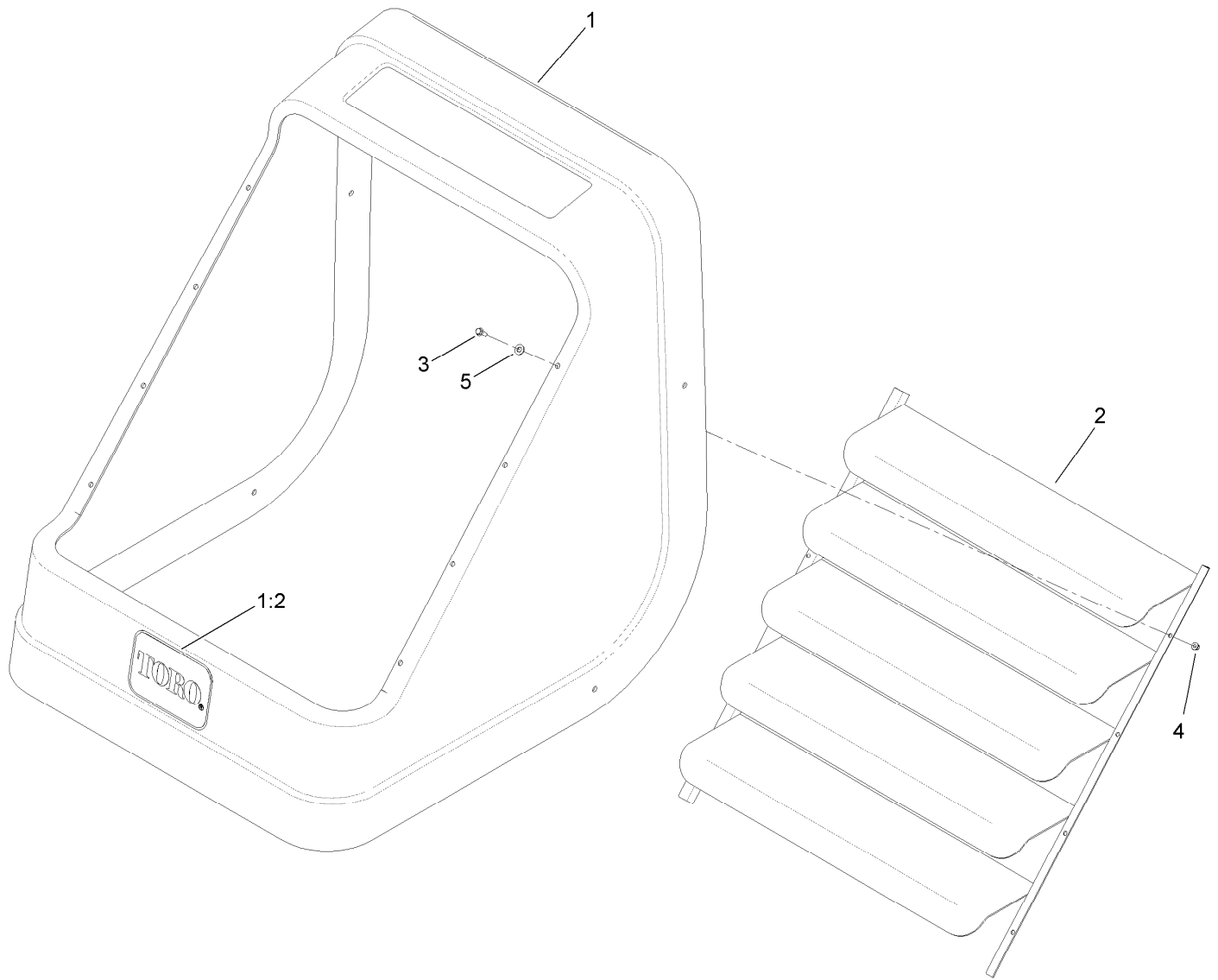


## Front Hood Assembly No. 136-1554 (continued)

| <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           | AU118730           | 1           | Hinge-Hood, Front        | 6:1:2       | 130-4496           | 1           | Screen-Hood, Front |
| 2           | 127-0955           | 1           | Foam-Hood, Reflective    | 6:2         | 125-6154           | 1           | Decal-Dd 4050      |
| 3           | AU104854           | 2           | Handle-Grab              | 7           | AU123306           | 1           | Plate-Catch, Hood  |
| 4           | 33104-020          | 4           | Screw-HHF                | 8           | AU123307           | 1           | Plate-Catch, Hood  |
| 5           | AU121776           | 1           | Guide-Hood, Front        | 9           | 104-8301           | 6           | Nut-Flange, NI     |
| 6           | 136-1555           | 1           | Front Hood And Decal ASM | 10          | 130-4548           | 1           | Seal-Bulb          |
| 6:1         |                    | 1           | Hood-Front ●             |             |                    |             |                    |

● Not serviced separately

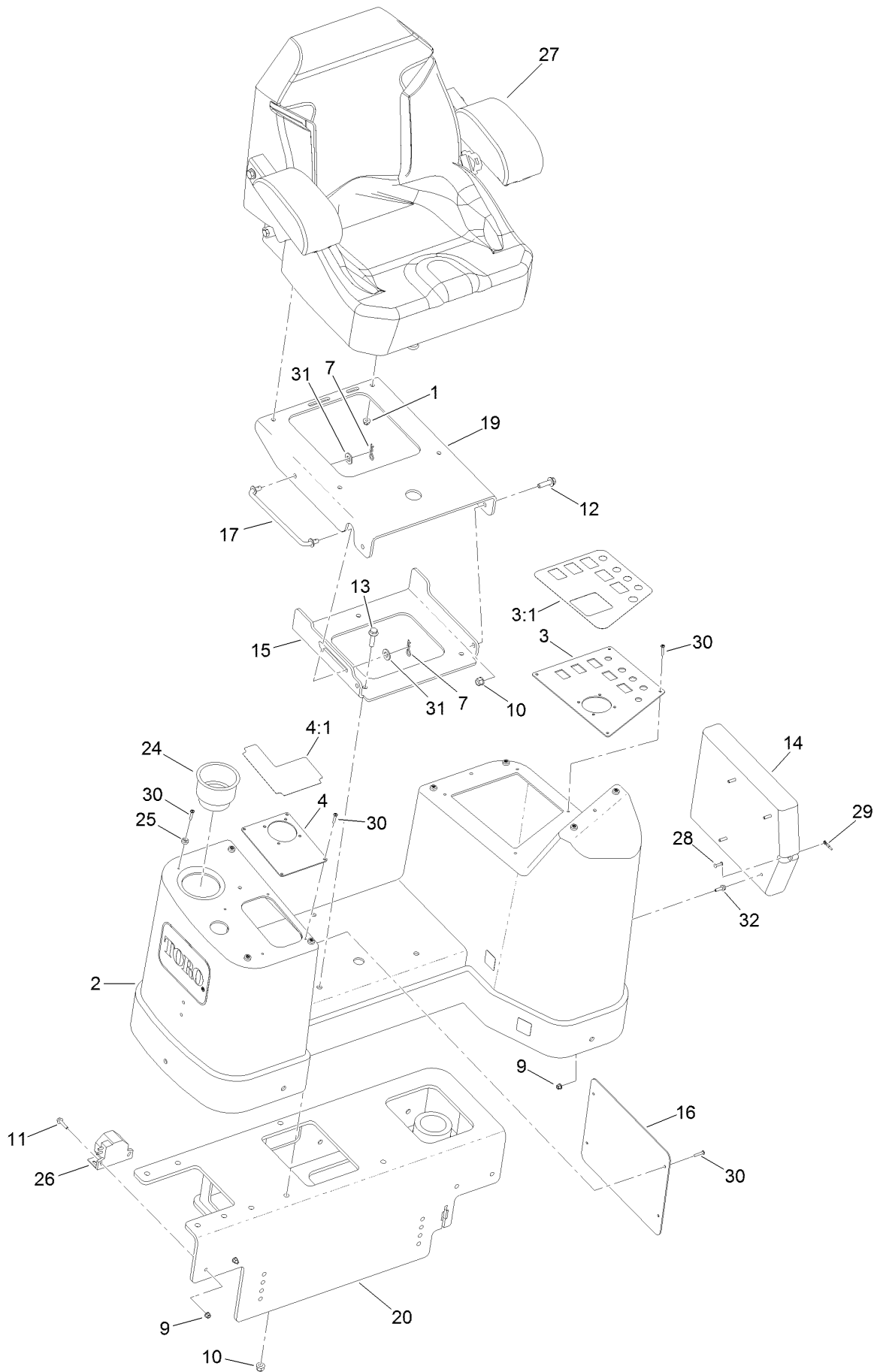
# Rear Hood Assembly No. AU118302



## Rear Hood Assembly No. AU118302 (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           | 130-4476           | 1           | Rear Hood ASM      | 3           | 33103-020          | 8           | Screw-HHF          |
| 1:2         | 62-7400            | 1           | Decal              | 4           | 120-9645           | 8           | Nut-HHF            |
| 2           | AU118366-03        | 1           | Louver-Hood, Rear  | 5           | 3256-38            | 8           | Washer-Flat        |

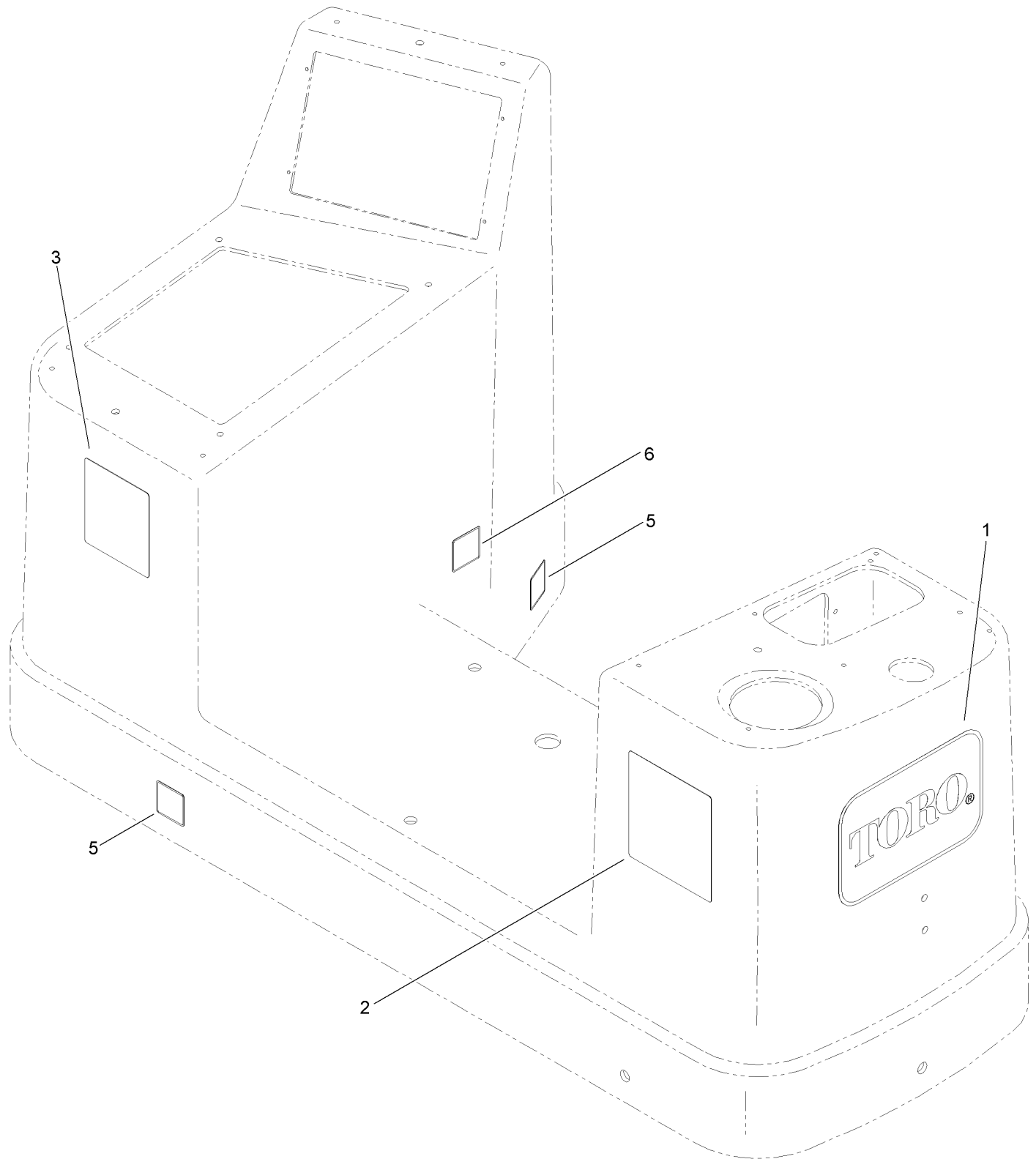
# Operator Platform Assembly



## Operator Platform Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------------|-------------|--------------------|-------------|--------------------------|
| 1           | 104-8300           | 4           | Nut-Flange, NI                 | 15          | AU108632-03        | 1           | Plate-Seat Mount, Bottom |
| 2           | 127-0900           | 1           | Operator Console ASM           | 16          | AU108634-03        | 1           | Plate-Seat, Inside Panel |
| 3           | 127-0901           | 1           | Switch Plate ASM               | 17          | AU109357           | 1           | Rod-Prop, Seat           |
| 3:1         | 125-6142           | 1           | Decal-Left Joystick, Dd4045    | 19          | AU117641-03        | 1           | Plate-Seat Mount, Top    |
| 4           | 127-0902           | 1           | Joystick Mounting Plate<br>ASM | 20          | AU125016-03        | 1           | Console-Operators        |
| 4:1         | 125-6125           | 1           | Decal-Joystick, Right          | 24          | AU8EO24121         | 1           | Cup-Holder               |
| 7           | 3290-467           | 2           | Pin-Hair                       | 25          | AU8EO24122         | 8           | Grommet-Rubber           |
| 9           | 81-0130            | 6           | Nut-Flange, NI                 | 26          | AU8EP29105         | 1           | Alarm-Backup             |
| 10          | 103-9511           | 5           | Nut-Lock, NI                   | 27          | 133-6211           | 1           | Seat-Toro, Standard      |
| 11          | 33103-030          | 2           | Screw-HHF                      | 28          | AUR46463           | 1           | Post-Manual              |
| 12          | 33105-035          | 2           | Screw-HHF                      | 29          | AUR46465           | 1           | Lanyard                  |
| 13          | 33105-040          | 3           | Screw-HHF                      | 30          | ST80070            | 20          | Screw-PPH                |
| 14          | AU103216           | 1           | Holder-Manual                  | 31          | AU496-21053        | 2           | Washer-Flat              |
|             |                    |             |                                | 32          | 33103-020          | 4           | Screw-HHF                |

# Operator Console Assembly No. 127-0900

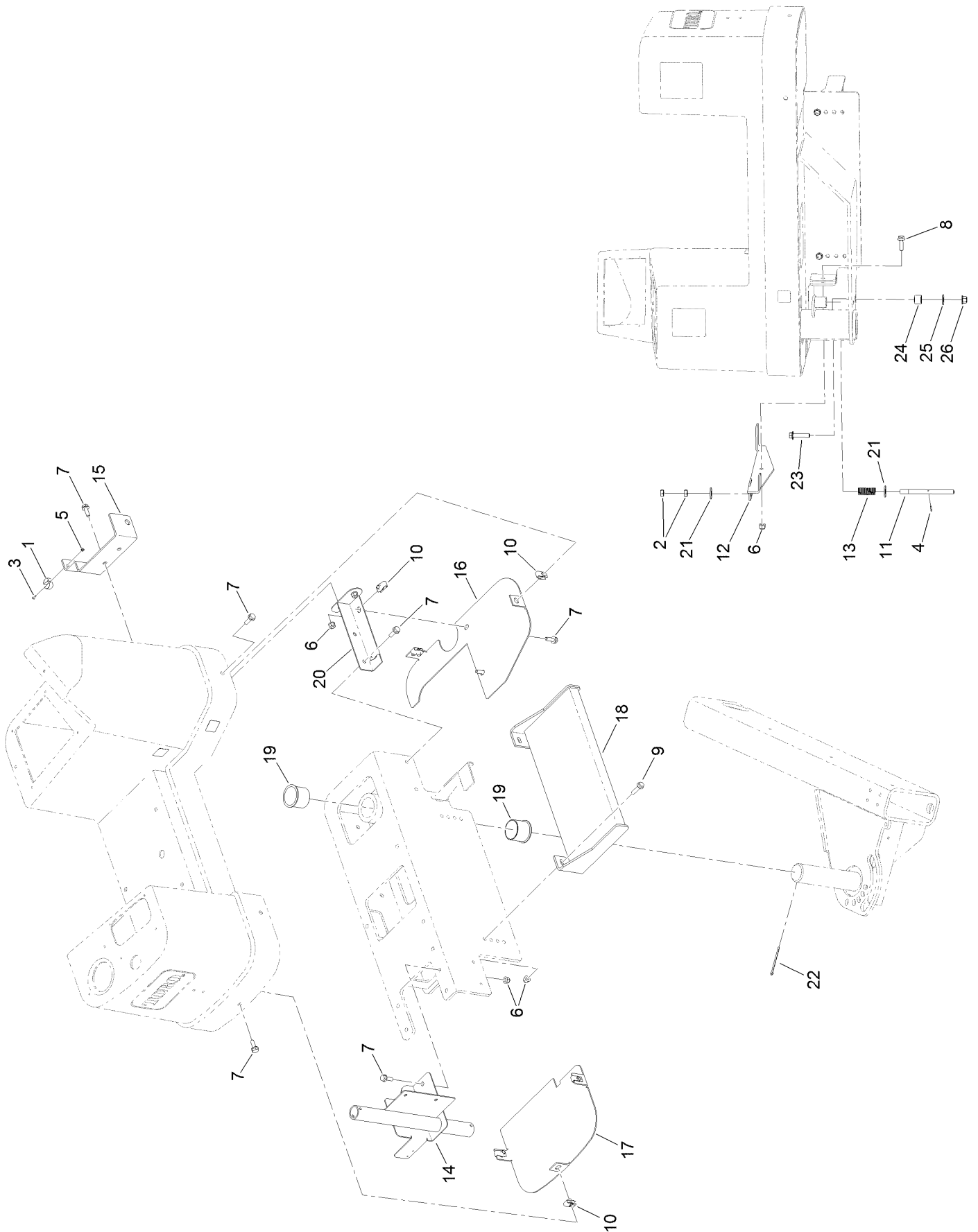


## Operator Console Assembly No. 127-0900 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                 |
|-------------|--------------------|-------------|------------------------------------|
| 1           | 62-7400            | 1           | Decal                              |
| 2           | 125-6109           | 1           | Decal-Danger, Shock                |
| 3           | 125-6116           | 1           | Decal-Danger, No Riders<br>(Front) |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 5           | 125-6140           | 2           | Decal-Seat Adjust  |
| 6           | 125-6152           | 1           | Decal-Seat Slide   |

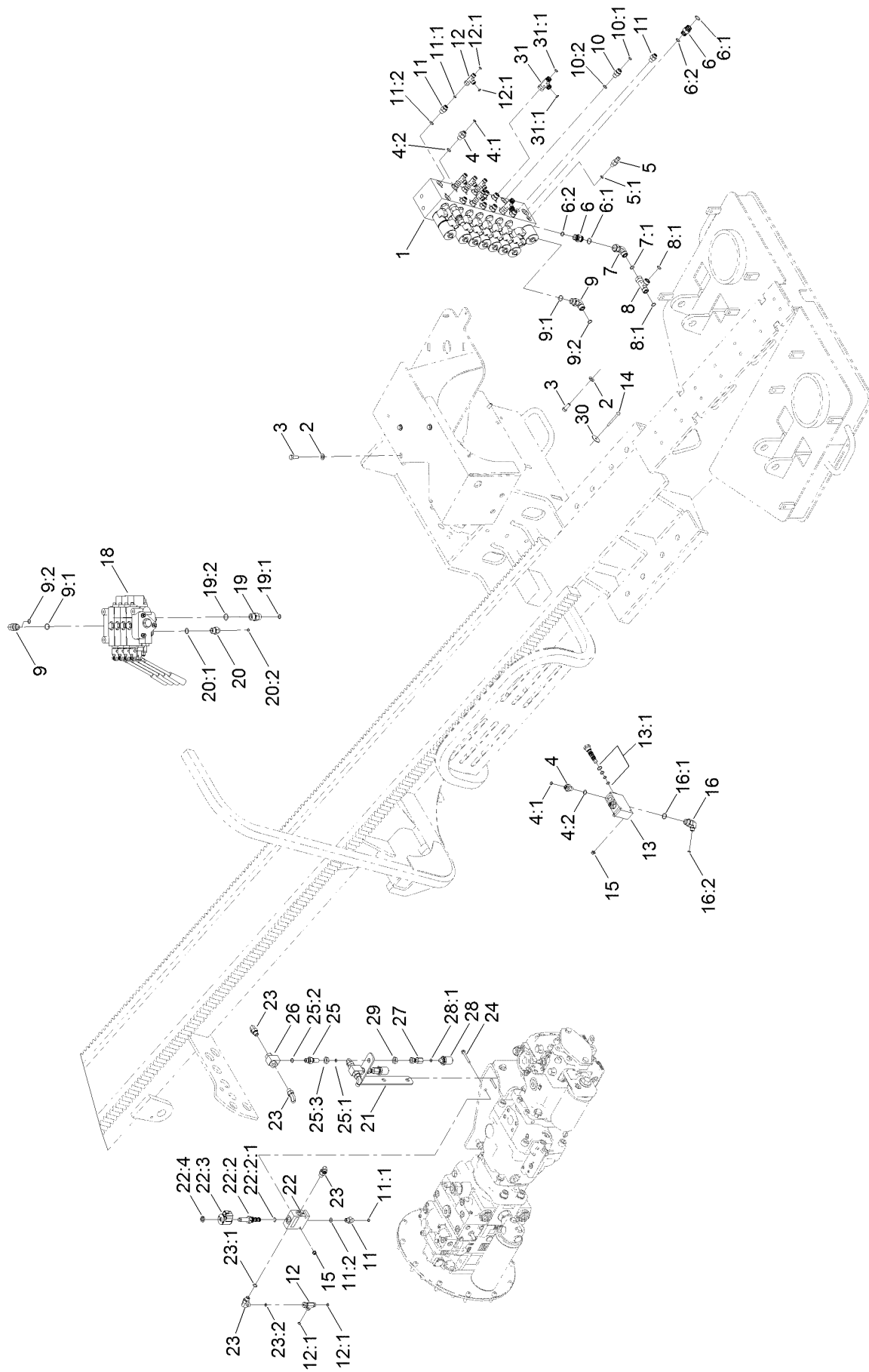
# Operator Console Assembly



## Operator Console Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 110-5677           | 2           | Clip-Spring             | 14          | AU114805-03        | 1           | Mount-Umbrella        |
| 2           | 3218-5             | 2           | Nut-Jam                 | 15          | AU115236-03        | 1           | Plate-Retaining, Cord |
| 3           | 3249-3             | 2           | Screw-PRH               | 16          | AU125024-03        | 1           | Plate-Guard, Splash   |
| 4           | 3272-11            | 1           | Pin-Cotter              | 17          | AU125042-03        | 1           | Plate-Guard, Splash   |
| 5           | 32149-6            | 2           | Nut-Keps                | 18          | AU12GB9202-03      | 1           | Step                  |
| 6           | 103-9511           | 7           | Nut-Lock, NI            | 19          | AU12GB9215         | 2           | Bearing-Flanged       |
| 7           | 33105-030          | 13          | Screw-HHF               | 20          | AU12GB9228-03      | 1           | Support-Shroud, Left  |
| 8           | 33105-035          | 1           | Screw-HHF               | 21          | AU495-81163        | 2           | Washer-Flat           |
| 9           | 33105-040          | 2           | Screw-HHF               | 22          | AU432-1248         | 1           | Pin-Cotter            |
| 10          | AU100863           | 7           | Nut-U                   | 23          | 33106-050          | 1           | Screw-HHF             |
| 11          | AU108909           | 1           | Rod-Swing, Seat         | 24          | 131-3402           | 1           | Spacer                |
| 12          | AU108997-03        | 1           | Arm-Adjustment, Seat    | 25          | 3256-5             | 1           | Washer-Flat           |
| 13          | AU109011           | 1           | Spring-Pivot Lock, Seat | 26          | 115-1115           | 1           | Nut-Lock, HHF         |

# 9 Section and 4 Spool Hydraulic Valve Assembly

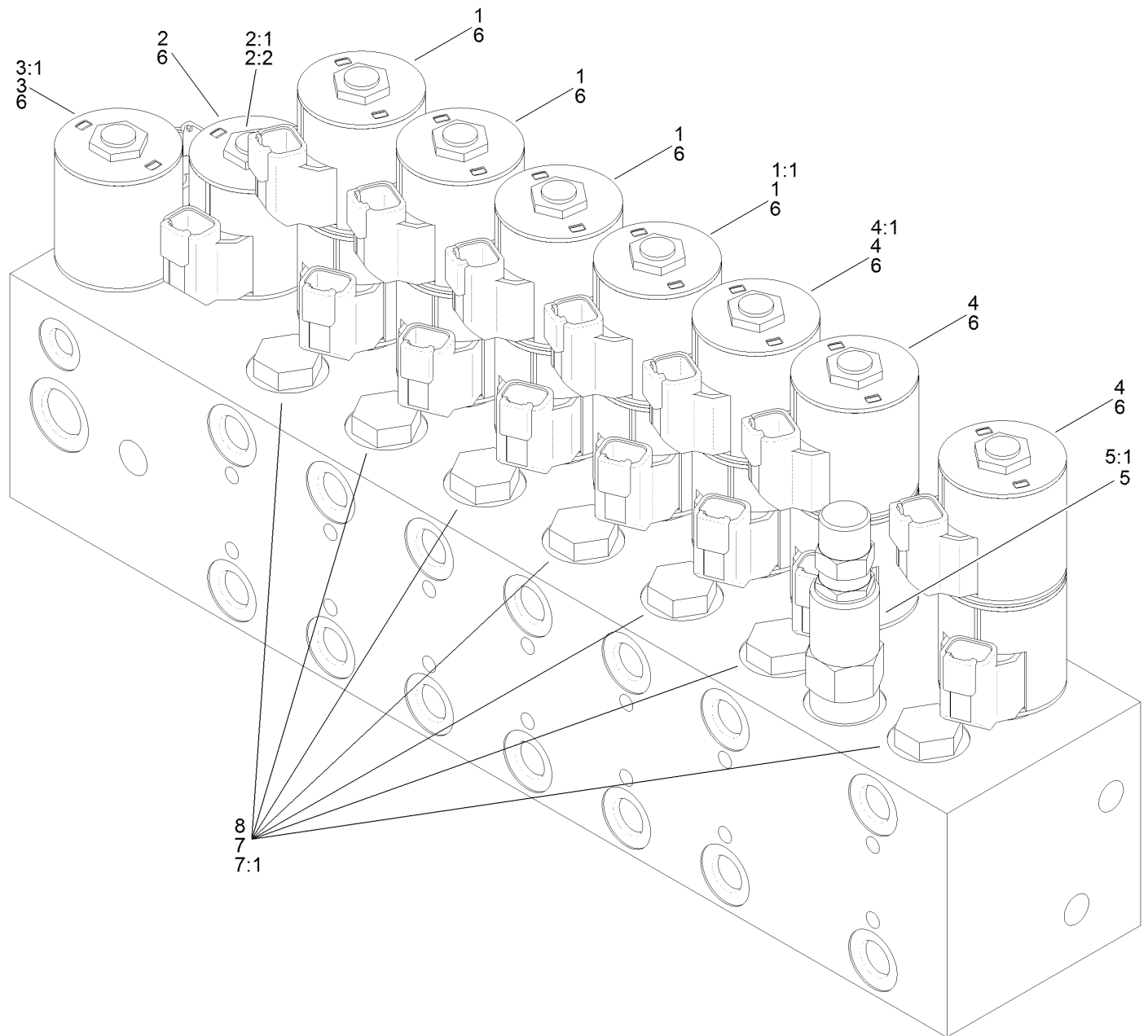


## 9 Section and 4 Spool Hydraulic Valve Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | AU111494           | 1           | 9 Section HYD Valve ASM    | 16:1        | 237-79             | 1           | O-Ring                  |
| 2           | 3256-24            | 7           | Washer-Flat                | 16:2        | 237-21             | 1           | O-Ring                  |
| 3           | 323-6              | 7           | Screw-HH                   | 18          | AU8HV80159         | 1           | 4 Spool HYD Valve ASM   |
| 4           | AU112767           | 3           | Fitting-Straight           | 19          | 340-6              | 2           | Fitting-HYD, Straight   |
| 4:1         | 237-21             | 1           | O-Ring                     | 19:1        | 237-30             | 1           | O-Ring                  |
| 4:2         | 237-42             | 1           | O-Ring                     | 19:2        | 237-80             | 1           | O-Ring                  |
| 5           | 354-77             | 1           | Fitting-Quick              | 20          | 340-133            | 8           | Adapter ASM             |
| 5:1         | 237-78             | 1           | O-Ring                     | 20:1        | 237-79             | 1           | O-Ring                  |
| 6           | 340-4              | 2           | Fitting-HYD, Straight      | 20:2        | 237-21             | 1           | O-Ring                  |
| 6:1         | 237-30             | 1           | O-Ring                     | 21          | AU121543-03        | 1           | Bracket-Valve, Shuttle  |
| 6:2         | 237-79             | 1           | O-Ring                     | 22          | 125-4467           | 1           | Valve-Solenoid          |
| 7           | 94-6031            | 1           | Fitting-HYD                | 22:2        | 106-1995           | 1           | Valve-3 Way             |
| 7:1         | 237-30             | 1           | O-Ring                     | 22:2:1      | 110-8773           | 1           | Seal Kit                |
| 8           | 340-104            | 1           | Fitting-HYD, Tee           | 22:3        | 112-0197           | 1           | E Coil-12V Dc           |
| 8:1         | 237-30             | 2           | O-Ring                     | 22:4        | 110-2634           | 1           | Nut-Coil                |
| 9           | 340-98             | 2           | Fitting-HYD, 90 DEG        | 23          | 340-82             | 6           | Fitting-HYD, 90         |
| 9:1         | 237-79             | 1           | O-Ring                     | 23:1        | 237-42             | 1           | O-Ring                  |
| 9:2         | 237-30             | 1           | O-Ring                     | 23:2        | 237-21             | 1           | O-Ring                  |
| 10          | 340-2              | 6           | Fitting-HYD, Straight      | 24          | 33103-050          | 2           | Screw-HHF               |
| 10:1        | 237-22             | 1           | O-Ring                     | 25          | AU8OAA0406         | 2           | Fitting-Straight        |
| 10:2        | 237-42             | 1           | O-Ring                     | 25:1        | 237-21             | 1           | O-Ring                  |
| 11          | 340-1              | 9           | Fitting-HYD, Straight      | 25:2        | 237-42             | 1           | O-Ring                  |
| 11:1        | 237-21             | 1           | O-Ring                     | 25:3        | 340-78             | 1           | Nut-Lock                |
| 11:2        | 237-42             | 1           | O-Ring                     | 26          | AU270083           | 2           | Valve-Shuttle, Load     |
| 12          | 340-151            | 6           | Fitting-HYD                | 27          | AU8SA60404         | 2           | Fitting-Straight        |
| 12:1        | 237-75             | 2           | O-Ring                     | 28          | 125-6579           | 2           | Transducer-6000Psi      |
| 13          | AU112323           | 1           | HYD Flow Divider Valve ASM | 28:1        | 131-8636           | 1           | O-Ring ●                |
| 13:1        | 131-8637           | 1           | Seal Kit ●                 | 29          | 340-78             | 2           | Nut-Lock                |
| 14          | AU100315           | 2           | Screw-Flange, Metric       | 30          | 3256-55            | 2           | Washer-Flat             |
| 15          | 81-0130            | 4           | Nut-Flange, NI             | 31          | 340-115            | 2           | Fitting-Tee, Swivel Nut |
| 16          | 108-5687           | 1           | Fitting-Elbow, 90          | 31:1        | 237-22             | 2           | O-Ring                  |

● Not illustrated

# 9 Section Hydraulic Valve Assembly No. AU111494

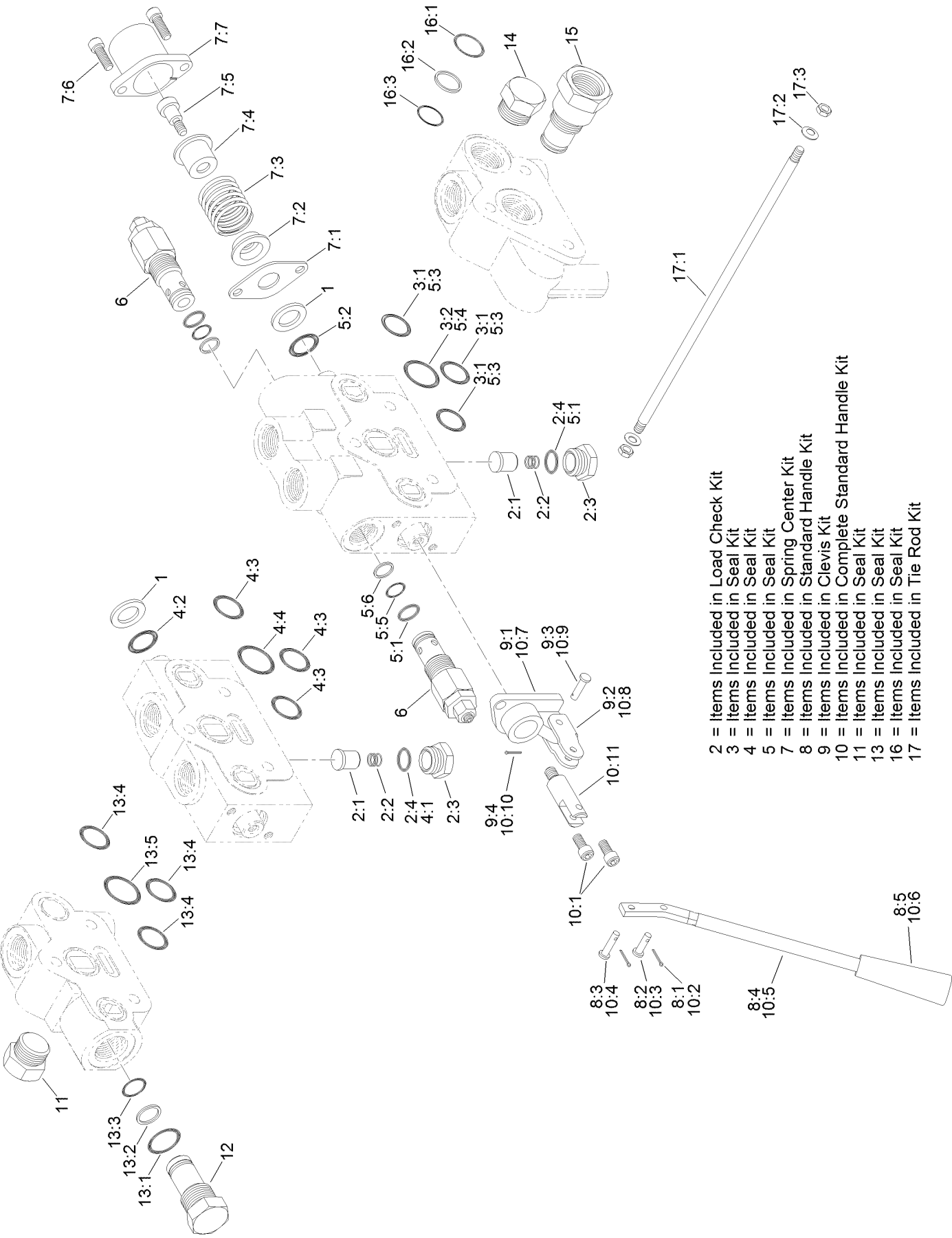


## 9 Section Hydraulic Valve Assembly No. AU111494 (continued)

| <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           | AU112257           | 4           | Valve-Cartridge, Motor Spool | 4:1         | 110-8908           | 1           | Spool Valve Seal Kit     |
| 1:1         | 110-8908           | 1           | Spool Valve Seal Kit         | 5           | AU116739           | 1           | Valve-Reducing, Pressure |
| 2           | 115-5400           | 1           | Solenoid Valve ASM           | 5:1         | 105-9164           | 1           | Seal Kit                 |
| 2:1         | 107-7813           | 1           | Seal Kit                     | 6           | 119-4619           | 16          | Coil-Solenoid            |
| 2:2         | 110-2634           | 1           | Nut-Coil                     | 7           | 107-7524           | 14          | Check Valve ASM          |
| 3           | 120-0913           | 1           | Valve-Solenoid               | 7:1         | 105-9156           | 1           | Seal Kit                 |
| 3:1         | 136-1492           | 1           | Seal Kit                     | 8           | 120-2554           | 7           | Piston-Pilot             |
| 4           | AU116738           | 3           | Solenoid ASM                 | 9           | 131-6513           | 2           | Plug-Port (6103008) ●    |
|             |                    |             |                              | 10          | 131-6514           | 1           | Plug-Port (6103004) ●    |

● Not illustrated

# Stakedown Valve Assembly No. AU8HV80159



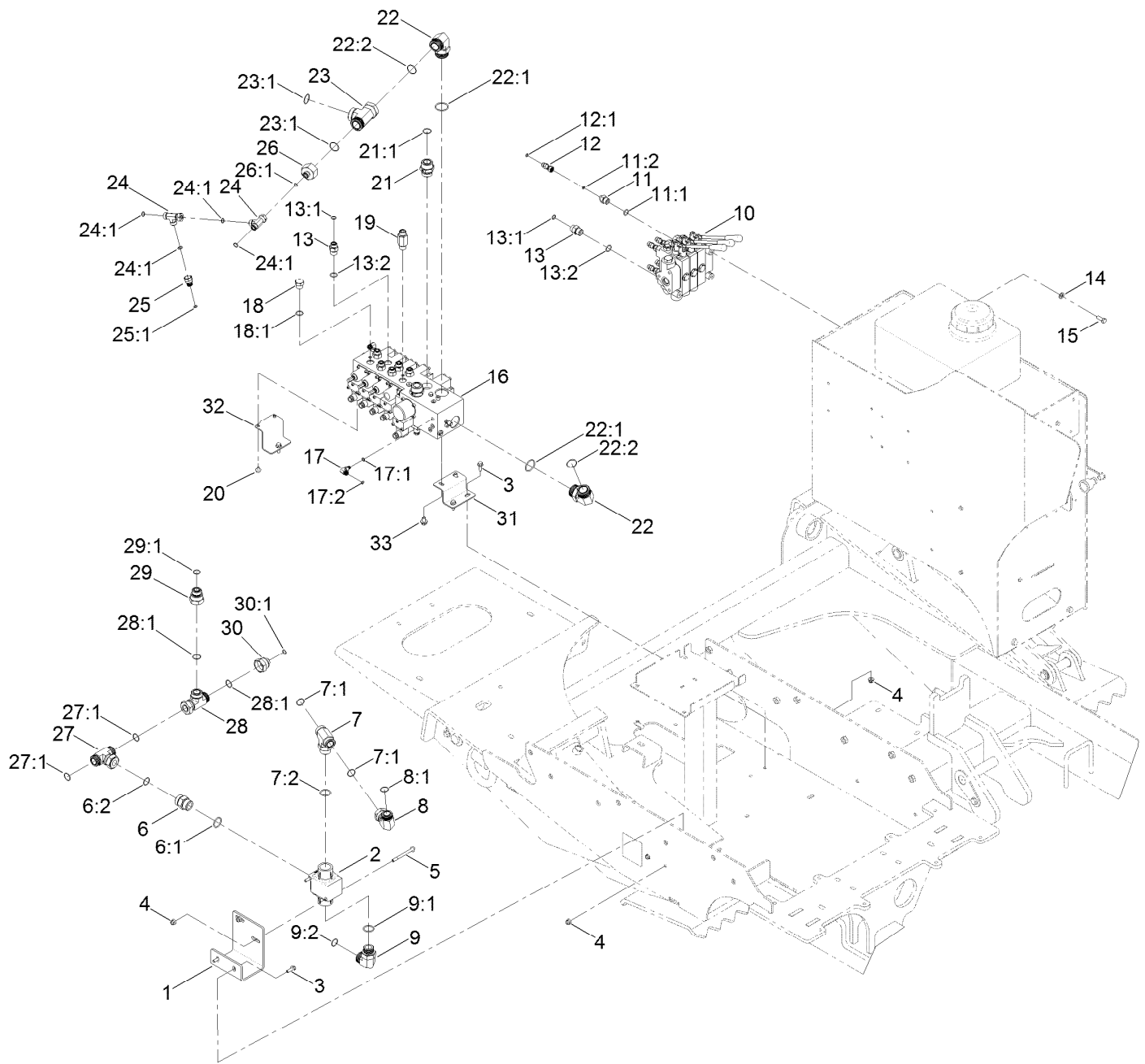
- 2 = Items Included in Load Check Kit
- 3 = Items Included in Seal Kit
- 4 = Items Included in Seal Kit
- 5 = Items Included in Seal Kit
- 7 = Items Included in Spring Center Kit
- 8 = Items Included in Standard Handle Kit
- 9 = Items Included in Clevis Kit
- 10 = Items Included in Complete Standard Handle Kit
- 11 = Items Included in Seal Kit
- 13 = Items Included in Seal Kit
- 16 = Items Included in Seal Kit
- 17 = Items Included in Tie Rod Kit

# Stakedown Valve Assembly No. AU8HV80159 (continued)

| Ref. | Part Number | Qty. | Description              | Ref.  | Part Number | Qty. | Description                  |
|------|-------------|------|--------------------------|-------|-------------|------|------------------------------|
| 1    | 131-6549    | 8    | Washer-Back Up, Spool    | 9     | 131-6539    | 4    | Clevis Kit                   |
| 2    | 131-6532    | 4    | Load Check Kit           | 9:1   |             | 1    | Clevis ●                     |
| 2:1  |             | 1    | Poppet-Check, Load ●     | 9:2   |             | 1    | Link ●                       |
| 2:2  |             | 1    | Spring-Check, Load ●     | 9:3   |             | 1    | Pin-Clevis ●                 |
| 2:3  |             | 1    | Plug-Check, Load ●       | 9:4   |             | 1    | Pin-Cotter ●                 |
| 2:4  |             | 1    | O-Ring ●                 | 10    | 131-6540    | 4    | Complete Standard Handle Kit |
| 3    | 131-6533    | 4    | Replacement Seal Kit     | 10:1  |             | 2    | Screw-Cap ●                  |
| 3:1  | 22-8600     | 3    | O-Ring                   | 10:2  |             | 2    | Pin-Cotter ●                 |
| 3:2  |             | 1    | O-Ring ●                 | 10:3  |             | 1    | Pin-Clevis ●                 |
| 4    | 131-6534    | 2    | Svw Replacement Seal Kit | 10:4  |             | 1    | Pin-Clevis ●                 |
| 4:1  |             | 1    | O-Ring ●                 | 10:5  |             | 1    | Handle ●                     |
| 4:2  |             | 2    | O-Ring ●                 | 10:6  | AU30604519  | 1    | Knob                         |
| 4:3  | 22-8600     | 3    | O-Ring                   | 10:7  |             | 1    | Clevis ●                     |
| 4:4  |             | 1    | O-Ring ●                 | 10:8  |             | 1    | Link ●                       |
| 5    | 131-6535    | 2    | Svh Replacement Seal Kit | 10:9  |             | 1    | Pin-Clevis ●                 |
| 5:1  |             | 3    | O-Ring ●                 | 10:10 |             | 1    | Pin-Cotter ●                 |
| 5:2  |             | 2    | O-Ring ●                 | 10:11 |             | 1    | Adapter-Spool ●              |
| 5:3  | 22-8600     | 3    | O-Ring                   | 11    | 131-6542    | 1    | Plug-Port                    |
| 5:4  |             | 1    | O-Ring ●                 | 12    | 131-6543    | 1    | Plug-No Relief               |
| 5:5  |             | 2    | Washer-Backup ●          | 13    | 131-6544    | 1    | Replacement Inlet Seal Kit   |
| 5:6  |             | 2    | O-Ring ●                 | 13:1  |             | 1    | O-Ring ●                     |
| 6    | 131-6536    | 4    | Cartridge-Relief         | 13:2  |             | 1    | Washer-Back Up ●             |
| 7    | 131-6537    | 4    | Spring Center Kit        | 13:3  |             | 1    | O-Ring ●                     |
| 7:1  |             | 1    | Plate-Retainer ●         | 13:4  | 22-8600     | 3    | O-Ring                       |
| 7:2  |             | 1    | Cup-Stop, Inner ●        | 13:5  |             | 1    | O-Ring ●                     |
| 7:3  |             | 1    | Spring-Centering ●       | 14    | 131-6546    | 1    | Plug                         |
| 7:4  |             | 1    | Cup-Stop, Outer ●        | 15    | 131-6547    | 1    | Cartridge-Beyond, Power      |
| 7:5  |             | 1    | Adapter-Spool ●          | 16    | 131-6548    | 1    | Outlet Section Seal Kit      |
| 7:6  |             | 2    | Screw-Cap ●              | 16:1  |             | 1    | O-Ring ●                     |
| 7:7  |             | 1    | Cap-End ●                | 16:2  |             | 1    | Washer-Back Up ●             |
| 8    | 131-6538    | 4    | Standard Handle Kit      | 16:3  |             | 1    | O-Ring ●                     |
| 8:1  |             | 2    | Pin-Cotter ●             | 17    | 132-4188    | 1    | Tie Rod Kit (4 Section)      |
| 8:2  |             | 1    | Pin-Clevis ●             | 17:1  |             | 3    | Rod-Tie ●                    |
| 8:3  |             | 1    | Pin-Clevis ●             | 17:2  |             | 6    | Washer-Lock ●                |
| 8:4  |             | 1    | Handle ●                 | 17:3  |             | 6    | Nut ●                        |
| 8:5  | AU30604519  | 1    | Knob                     |       |             |      |                              |

● Not serviced separately

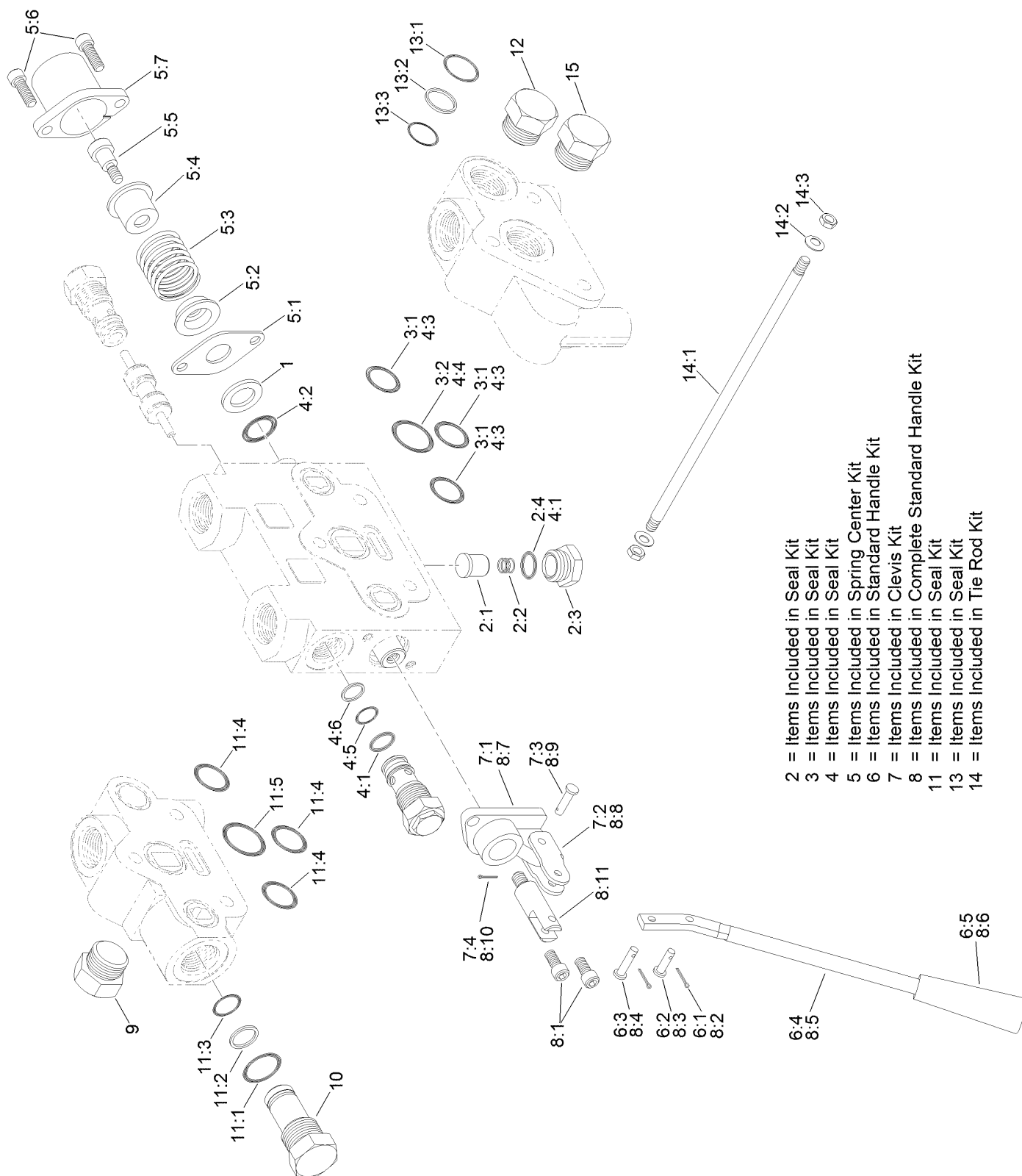
# Hydraulic Valve Assembly



## Hydraulic Valve Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|--------------------------------|
| 1           | AU124864-03        | 1           | Plate-Mount, Thermal Bypass | 17:2        | 237-21             | 1           | O-Ring                         |
| 2           | AU8HV01001         | 1           | Valve-Thermostat            | 18          | 353-551            | 1           | Plug-HH                        |
| 3           | 33104-025          | 5           | Screw-HHF                   | 18:1        | 237-80             | 1           | O-Ring                         |
| 4           | 104-3082           | 7           | Nut-Lock, HHF               | 19          | AU121465           | 1           | Valve-Check, 30 Psi            |
| 5           | AU100327           | 2           | Screw-Flange                | 20          | AU100394           | 2           | Screw-Flange                   |
| 6           | 104-3797           | 1           | Fitting-HYD, Straight       | 21          | AU8OA621616        | 2           | Fitting-Straight               |
| 6:1         | 237-146            | 1           | O-Ring                      | 21:1        | 340-65             | 1           | O-Ring                         |
| 6:2         | 340-65             | 1           | O-Ring                      | 22          | 340-52             | 2           | Fitting-Elbow, 90              |
| 7           | 104-7501           | 1           | Fitting-HYD                 | 22:1        | 237-101            | 1           | O-Ring                         |
| 7:1         | 340-65             | 2           | O-Ring                      | 22:2        | 340-64             | 1           | O-Ring                         |
| 7:2         | 237-146            | 1           | O-Ring                      | 23          | AU8OR82020         | 1           | Fitting-Tee, Run               |
| 8           | 92-7645            | 1           | Fitting-Swivel, 90 DEG      | 23:1        | 340-64             | 2           | O-Ring                         |
| 8:1         | 340-65             | 1           | O-Ring                      | 24          | 340-104            | 2           | Fitting-HYD, Tee               |
| 9           | 340-129            | 1           | Fitting-HYD, 90             | 24:1        | 237-30             | 2           | O-Ring                         |
| 9:1         | 237-146            | 1           | O-Ring                      | 25          | 95-7776            | 1           | Fitting-HYD                    |
| 9:2         | 340-65             | 1           | O-Ring                      | 25:1        | 237-22             | 1           | O-Ring                         |
| 10          | AU8HV80153         | 1           | 3 Spool HYD Valve ASM       | 26          | AU8OA80820         | 1           | Fitting-Reducer                |
| 11          | 340-133            | 6           | Adapter ASM                 | 26:1        | 237-30             | 1           | O-Ring                         |
| 11:1        | 237-79             | 1           | O-Ring                      | 27          | AU8OB81616         | 1           | Fitting-Tee                    |
| 11:2        | 237-21             | 1           | O-Ring                      | 27:1        | 340-65             | 2           | O-Ring                         |
| 12          | AU111506           | 6           | Fitting-Straight            | 28          | AU8OR81616         | 1           | Fitting-Tee                    |
| 12:1        | 237-21             | 1           | O-Ring                      | 28:1        | 340-65             | 2           | O-Ring                         |
| 13          | 340-6              | 8           | Fitting-HYD, Straight       | 29          | AU8OA81216         | 1           | Fitting-Reducer                |
| 13:1        | 237-30             | 1           | O-Ring                      | 29:1        | 237-58             | 1           | O-Ring                         |
| 13:2        | 237-80             | 1           | O-Ring                      | 30          | AU8OA80816         | 1           | Fitting-Reducer                |
| 14          | 3256-24            | 3           | Washer-Flat                 | 30:1        | 237-30             | 1           | O-Ring                         |
| 15          | AU426-616          | 3           | Screw-HH                    | 31          | AU121320           | 1           | Bracket-Front, 5-Section Valve |
| 16          | AU121285           | 1           | 5-Section HYD Valve ASM     | 32          | AU121321           | 1           | Bracket-Rear, 5-Section Valve  |
| 17          | 340-132            | 2           | Fitting-HYD, 90 DEG         | 33          | 33105-016          | 2           | Screw-HHF                      |
| 17:1        | 237-78             | 1           | O-Ring                      |             |                    |             |                                |

### 3 Spool Hydraulic Valve Assembly No. AU8HV80153



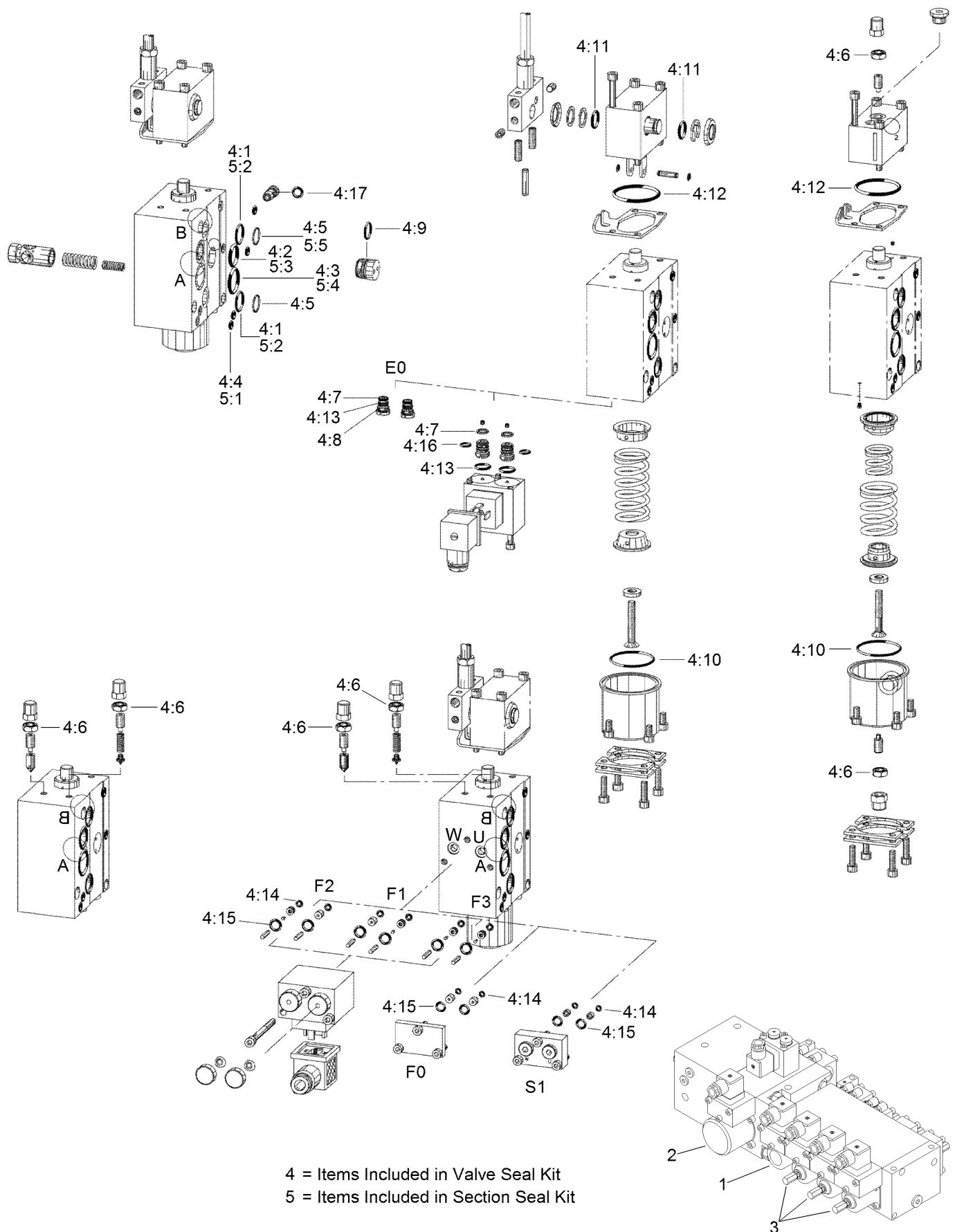
- 2 = Items Included in Seal Kit
- 3 = Items Included in Seal Kit
- 4 = Items Included in Seal Kit
- 5 = Items Included in Spring Center Kit
- 6 = Items Included in Standard Handle Kit
- 7 = Items Included in Clevis Kit
- 8 = Items Included in Complete Standard Handle Kit
- 11 = Items Included in Seal Kit
- 13 = Items Included in Seal Kit
- 14 = Items Included in Tie Rod Kit

### 3 Spool Hydraulic Valve Assembly No. AU8HV80153 (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           | 131-6549           | 6           | Washer-Back Up, Spool | 7:4         |                    | 1           | Pin-Cotter ●                 |
| 2           | 131-6532           | 3           | Load Check Kit        | 8           | 131-6540           | 3           | Complete Standard Handle Kit |
| 2:1         |                    | 1           | Poppet-Check, Load ●  | 8:1         |                    | 2           | Screw-Cap ●                  |
| 2:2         |                    | 1           | Spring-Check, Load ●  | 8:2         |                    | 2           | Pin-Cotter ●                 |
| 2:3         |                    | 1           | Plug-Check, Load ●    | 8:3         |                    | 1           | Pin-Clevis ●                 |
| 2:4         |                    | 1           | O-Ring ●              | 8:4         |                    | 1           | Pin-Clevis ●                 |
| 3           | 131-6533           | 3           | Replacement Seal Kit  | 8:5         |                    | 1           | Handle ●                     |
| 3:1         | 22-8600            | 3           | O-Ring                | 8:6         | AU30604519         | 1           | Knob                         |
| 3:2         |                    | 1           | O-Ring ●              | 8:7         |                    | 1           | Clevis ●                     |
| 4           | 132-4189           | 3           | Seal Kit              | 8:8         |                    | 1           | Link ●                       |
| 4:1         |                    | 3           | O-Ring ●              | 8:9         |                    | 1           | Pin-Clevis ●                 |
| 4:2         |                    | 2           | O-Ring ●              | 8:10        |                    | 1           | Pin-Cotter ●                 |
| 4:3         | 22-8600            | 3           | O-Ring                | 8:11        |                    | 1           | Adapter-Spool ●              |
| 4:4         |                    | 1           | O-Ring ●              | 9           | 131-6542           | 2           | Plug-Port                    |
| 4:5         |                    | 2           | O-Ring ●              | 10          | 131-6543           | 1           | Plug-No Relief               |
| 4:6         |                    | 2           | Backup Washer ●       | 11          | 131-6544           | 1           | Replacement Inlet Seal Kit   |
| 5           | 131-6537           | 3           | Spring Center Kit     | 11:1        |                    | 1           | O-Ring ●                     |
| 5:1         |                    | 1           | Plate-Retainer ●      | 11:2        |                    | 1           | Washer-Back Up ●             |
| 5:2         |                    | 1           | Cup-Stop, Inner ●     | 11:3        |                    | 1           | O-Ring ●                     |
| 5:3         |                    | 1           | Spring-Centering ●    | 11:4        | 22-8600            | 3           | O-Ring                       |
| 5:4         |                    | 1           | Cup-Stop, Outer ●     | 11:5        |                    | 1           | O-Ring ●                     |
| 5:5         |                    | 1           | Adapter-Spool ●       | 12          | 131-6546           | 1           | Plug                         |
| 5:6         |                    | 2           | Screw-Cap ●           | 13          | 131-6548           | 1           | Outlet Section Seal Kit      |
| 5:7         |                    | 1           | Cap-End ●             | 13:1        |                    | 1           | O-Ring ●                     |
| 6           | 131-6538           | 3           | Standard Handle Kit   | 13:2        |                    | 1           | Washer-Back Up ●             |
| 6:1         |                    | 2           | Pin-Cotter ●          | 13:3        |                    | 1           | O-Ring ●                     |
| 6:2         |                    | 1           | Pin-Clevis ●          | 14          | 132-4187           | 1           | Tie Rod Kit (3 Section)      |
| 6:3         |                    | 1           | Pin-Clevis ●          | 14:1        |                    | 3           | Rod-Tie ●                    |
| 6:4         |                    | 1           | Handle ●              | 14:2        |                    | 6           | Washer-Lock ●                |
| 6:5         | AU30604519         | 1           | Knob                  | 14:3        |                    | 6           | Nut ●                        |
| 7           | 131-6539           | 3           | Clevis Kit            | 15          | 132-4190           | 1           | Plug-Conversion, Center Open |
| 7:1         |                    | 1           | Clevis ●              |             |                    |             |                              |
| 7:2         |                    | 1           | Link ●                |             |                    |             |                              |
| 7:3         |                    | 1           | Pin-Clevis ●          |             |                    |             |                              |

● Not serviced separately

# 5-Section Hydraulic Valve Assembly No. AU121285



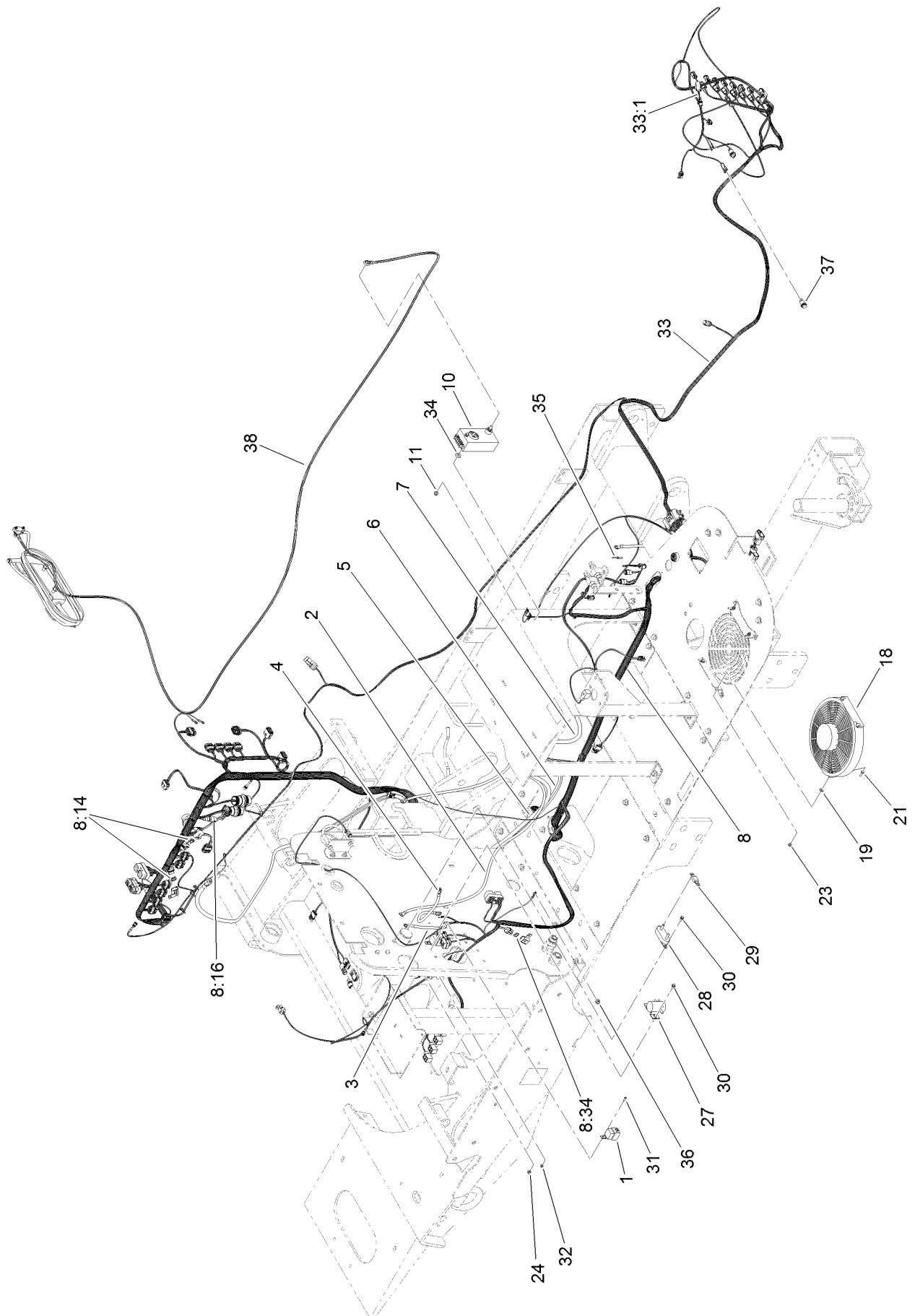
## 5-Section Hydraulic Valve Assembly No. AU121285 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 132-5664           | 1           | Coil-12V           |
| 2           | 132-5665           | 1           | Solenoid-Twin, 12V |
| 3           | 132-5666           | 3           | Spool-SI           |
| 4           | 132-5667           | 1           | Valve Seal Kit     |
| 4:1         |                    | 2           | O-Ring ●           |
| 4:2         |                    | 1           | Seal ●             |
| 4:3         |                    | 1           | Seal ●             |
| 4:4         |                    | 4           | O-Ring ●           |
| 4:5         |                    | 2           | Ring-Backup ●      |
| 4:6         |                    | 4           | Seal-Nut ●         |
| 4:7         |                    | 2           | Seal-Ring ●        |
| 4:8         |                    | 2           | O-Ring ●           |
| 4:9         |                    | 1           | O-Ring ●           |
| 4:10        |                    | 1           | O-Ring ●           |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4:11        |                    | 2           | O-Ring ●           |
| 4:12        |                    | 1           | O-Ring ●           |
| 4:13        |                    | 2           | O-Ring ●           |
| 4:14        |                    | 2           | O-Ring ●           |
| 4:15        |                    | 2           | O-Ring ●           |
| 4:16        |                    | 2           | O-Ring ●           |
| 4:17        |                    | 1           | O-Ring ●           |
| 5           | 132-5668           | 1           | Section Seal Kit   |
| 5:1         |                    | 4           | O-Ring ●           |
| 5:2         |                    | 2           | O-Ring ●           |
| 5:3         |                    | 1           | Seal ●             |
| 5:4         |                    | 1           | Seal ●             |
| 5:5         |                    | 2           | Ring-Backup ●      |

● Not serviced separately

# Electrical Assembly

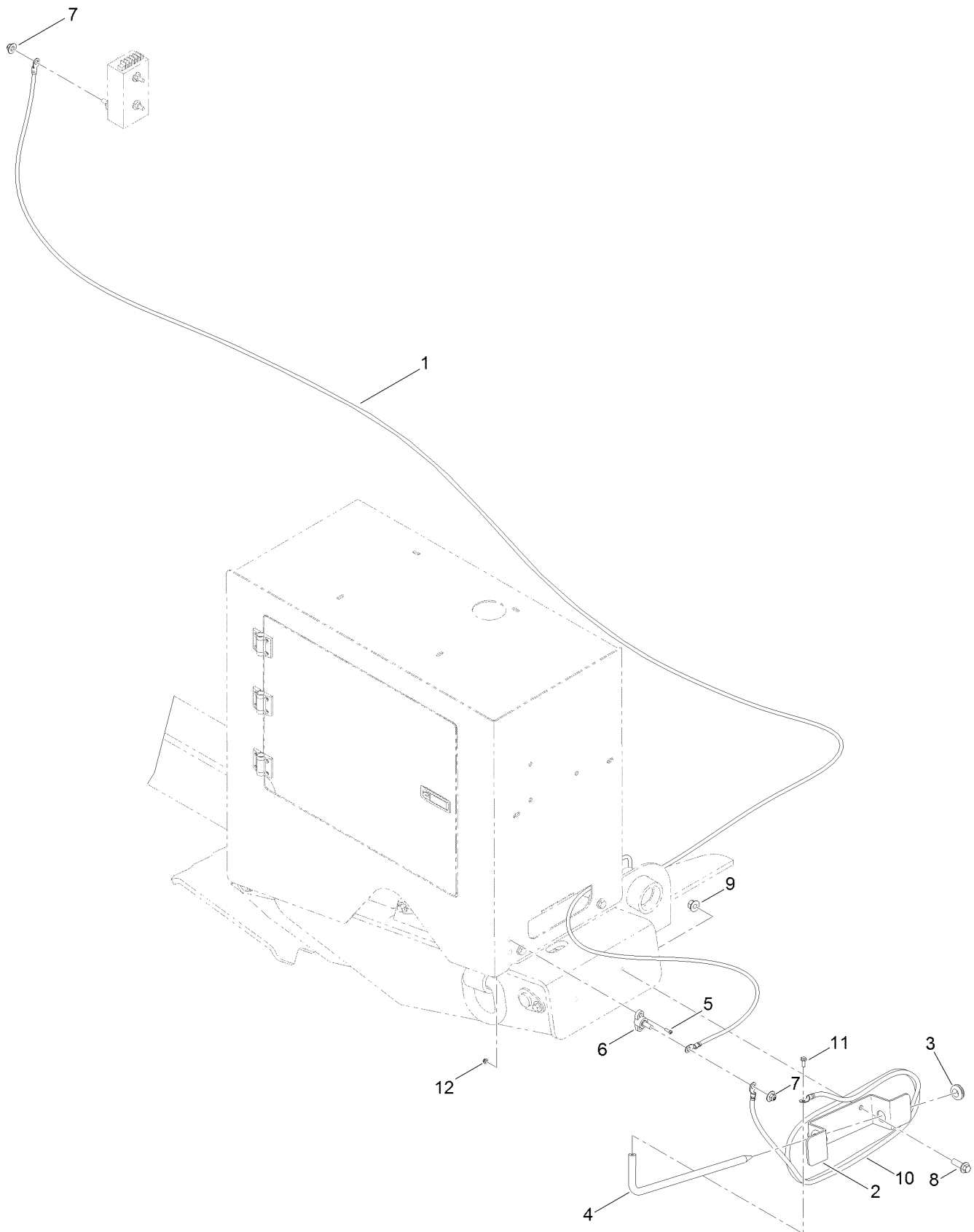


## Electrical Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 99-7430            | 2           | Relay                   | 23          | 33003-00           | 4           | Nut-HF                     |
| 2           | 122-0219           | 1           | Cable-Battery, Positive | 24          | 81-0130            | 4           | Nut-Flange, NI             |
| 3           | 122-0103           | 1           | Cable-Battery, Positive | 27          | AU126234           | 1           | Solenoid-Relay 12V, 300A   |
| 4           | 122-0104           | 1           | Cable-Battery, Positive | 28          | AU126233           | 1           | Holder-Fuse                |
| 5           | 122-0093           | 1           | Cable-Battery, Positive | 29          | AU126232           | 1           | Fuse-100A                  |
| 6           | 122-0094           | 1           | Cable-Battery, Negative | 30          | 33103-016          | 4           | Screw-HHF                  |
| 7           | 122-0095           | 1           | Cable-Battery, Negative | 31          | 119-7568           | 2           | Screw-HSBH                 |
| 8           | 122-0063           | 1           | Harness-Wire, Main      | 32          | 120-4580           | 2           | Nut-HF                     |
| 8:14        | 218-578            | 2           | Fuse-Blade, 10 Amp ●    | 33          | 122-0064           | 1           | Harness-Wire, Thrust Frame |
| 8:16        | 32180-043          | 1           | Resistor-120 Ohm ●      | 33:1        | 110928             | 1           | Fuse-Blade, 5 Amp ●        |
| 8:34        | 109103             | 1           | Fuse-Blade, 30 Amp ●    | 34          | 26-4840            | 2           | Spacer-Pin, Mounting       |
| 10          | AU8EE27103         | 1           | Relay                   | 35          | 3269-28            | 1           | Rivet-Pop                  |
| 11          | 104-8300           | 2           | Nut-Flange, NI          | 36          | 104-3082           | 1           | Nut-Lock, HHF              |
| 18          | 130-4521           | 1           | Fan-Electric            | 37          | 131-0040           | 2           | Lamp-Indicator, Led        |
| 19          | 120-9679           | 4           | Washer-Flat             | 38          | 131-9019           | 1           | Ground Stake Kit           |
| 21          | 33113-020          | 4           | Screw-HH                | 99          | AU8EE27104         | 1           | Tester-Zapalert ●          |

● Not illustrated

# ZapAlert Ground Stake Relocation Assembly No. 131-9019



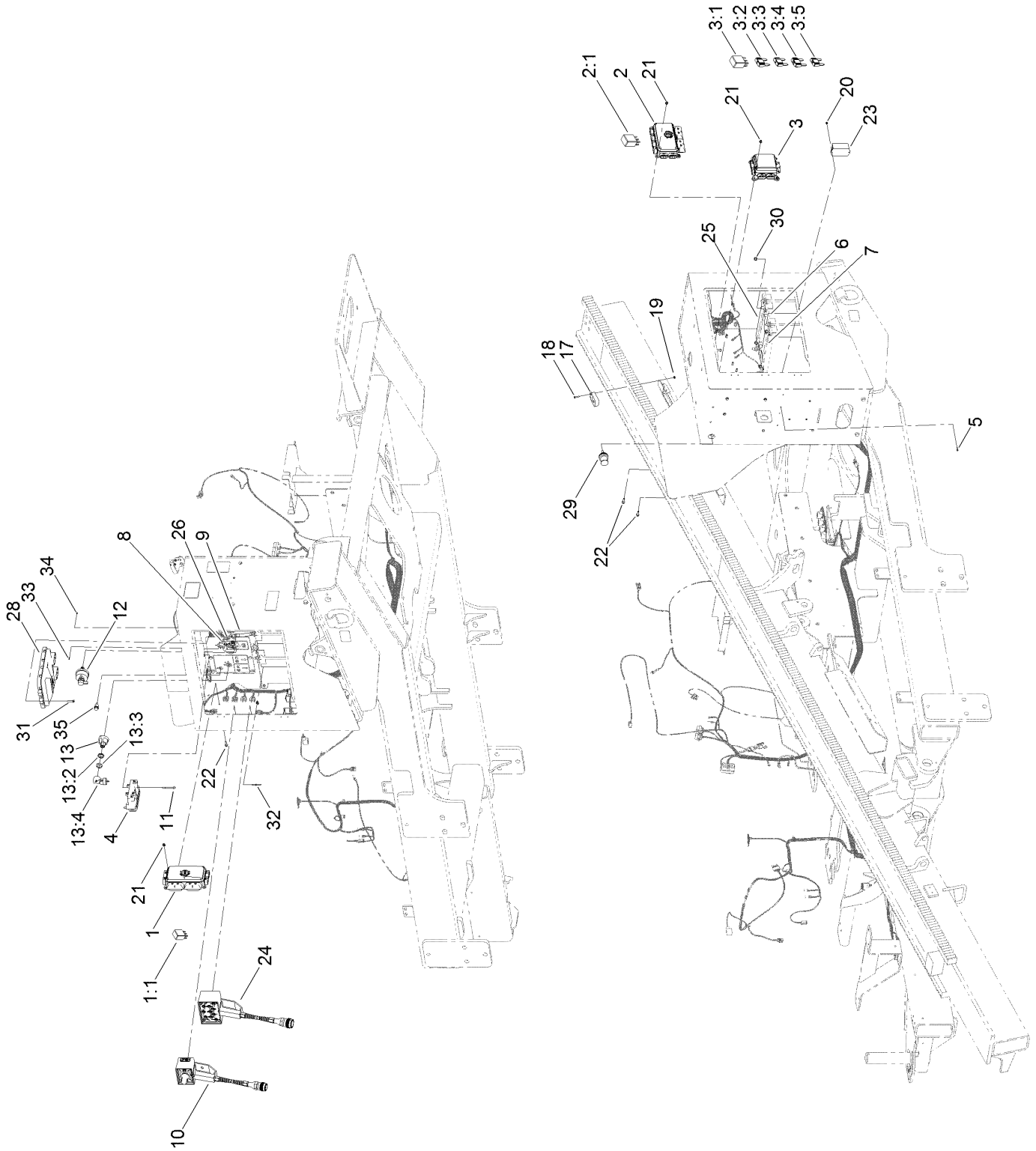
# ZapAlert Ground Stake Relocation Assembly

## No. 131-9019 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------|
| 1           | 122-0625           | 1           | Cable-Battery, Negative |
| 2           | 131-3446           | 1           | Plate-Holder, Stake     |
| 3           | 117-2781           | 2           | Grommet                 |
| 4           | AU109224           | 1           | Bar-Stake, Ground       |
| 5           | 110-8823           | 1           | Block-Junction          |
| 6           | 119-7568           | 2           | Screw-HSBH              |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 7           | 109-6658           | 2           | Nut-Flange, NI      |
| 8           | 33105-035          | 2           | Screw-HHF           |
| 9           | 103-9511           | 2           | Nut-Lock, NI        |
| 10          | AU124406           | 1           | Cable-Alert, Strike |
| 11          | 114-8414           | 1           | Screw-HHF           |
| 12          | 111-1502           | 2           | Nut-HHF, Ny         |

# Travel Pendant and Life Jacket Assembly



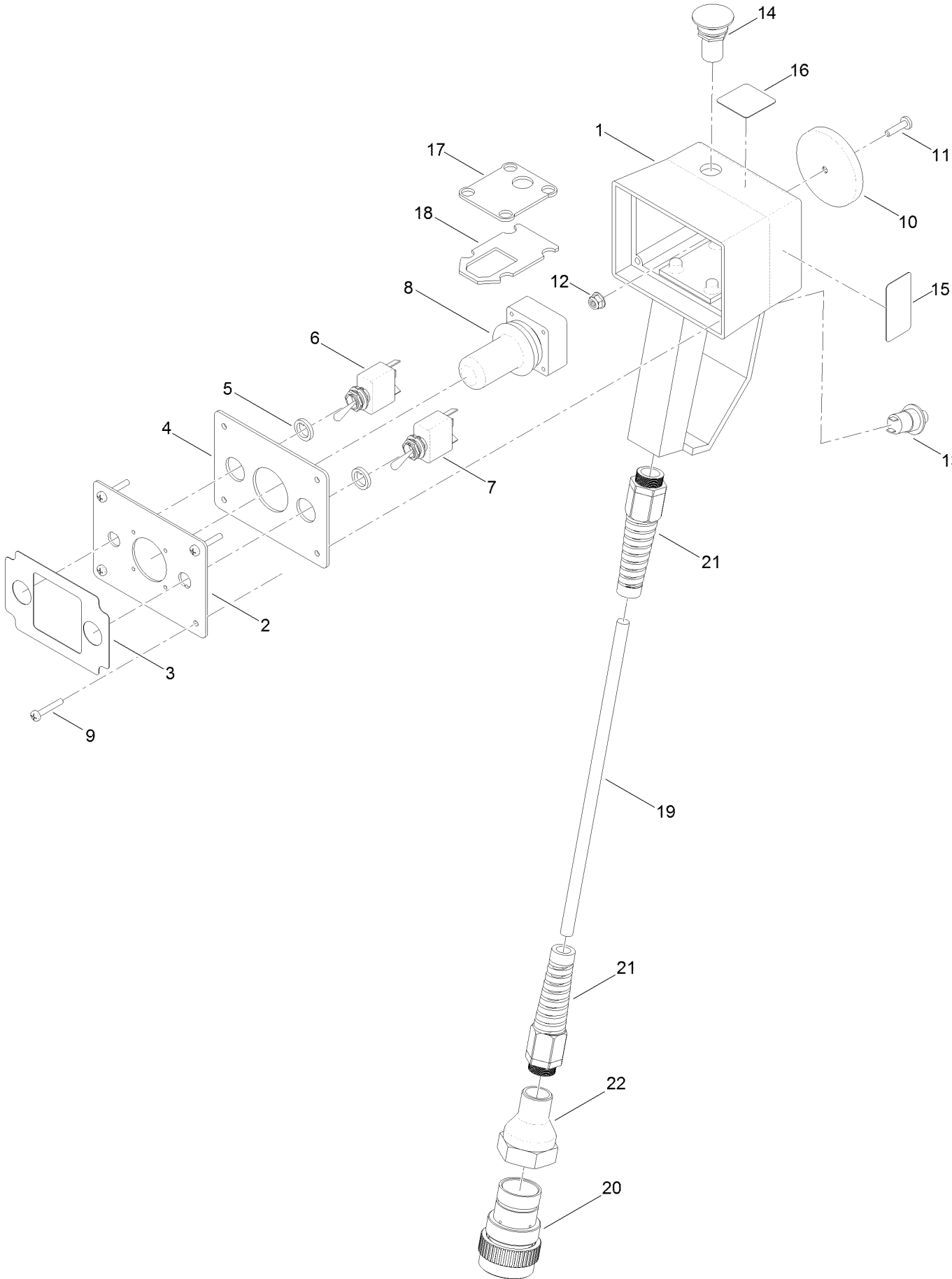
## Travel Pendant and Life Jacket Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                    |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|---------------------------------------|
| 1           | AU119073           | 1           | Box-Vec, Main (A)         | 13:3        | 121-5161           | 1           | Nut-Face                              |
| 1:1         | 122-0368           | 16          | Relay-280 Iso             | 13:4        | 121-5162           | 1           | Ignition Key Set                      |
| 2           | AU119074           | 1           | Box-Vec, Main (B)         | 17          | AU8EP65159         | 3           | Switch-Proximity                      |
| 2:1         | 122-0368           | 16          | Relay-280 Iso             | 18          | 9107964            | 6           | Screw-PPH                             |
| 3           | AU119075           | 1           | Box-Vec, Main (C)         | 19          | 32149-7            | 6           | Nut-Keps                              |
| 3:1         | 122-0368           | 5           | Relay-280 Iso             | 20          | 3296-1             | 4           | Nut-Lock                              |
| 3:2         | 121-8861           | 4           | Fuse-Mini Blade, 2 Amp    | 21          | 81-0130            | 12          | Nut-Flange, NI                        |
| 3:3         | 121-8864           | 3           | Fuse-Mini Blade, 5 Amp    | 22          | 33103-025          | 12          | Screw-HHF                             |
| 3:4         | 121-8868           | 5           | Fuse-Mini Blade, 20 Amp   | 23          | AU115133           | 2           | Connector-Pack, Resistor              |
| 3:5         | 121-8870           | 3           | Fuse-Mini Blade, 30 Amp   | 24          | 125-1628           | 1           | Life Jacket ASM                       |
| 4           | AU117892           | 1           | Computer-Expander, Output | 25          |                    | 2           | Battery ●■                            |
| 5           | 3250-17            | 4           | Screw-PPH                 | 26          | 122-0084           | 1           | Harness-Wire, Fusible Link            |
| 6           | 122-0105           | 1           | Cable-Battery, Positive   | 28          | AU117890           | 1           | Controller ASM (88 Pin, Unprogrammed) |
| 7           | 122-0106           | 1           | Cable-Battery, Negative   |             |                    |             |                                       |
| 8           | 122-0091           | 1           | Cable-Battery, Positive   | 29          | AU105186           | 1           | Post-Battery, Remote                  |
| 9           | 122-0092           | 1           | Cable-Battery, Positive   | 30          | 32149-10           | 4           | Nut-Keps                              |
| 10          | 131-9036           | 1           | Travel Pendant ASM        | 31          | 33103-030          | 3           | Screw-HHF                             |
| 11          | AU100315           | 2           | Screw-Flange, Metric      | 32          | 3269-28            | 1           | Rivet-Pop                             |
| 12          | AUR52278           | 1           | Switch-Disconnect, Master | 33          | 1-3153             | 4           | Screw-PRH, Slotted                    |
| 13          | 121-5159           | 1           | Ignition Switch ASM       | 34          | 3296-52            | 4           | Nut-Lock, NI                          |
| 13:2        | 121-5160           | 1           | Nut-Hex                   | 35          | 131-0039           | 1           | Lamp-Indicator, Led                   |

● Obtain locally.

■ Not serviced separately

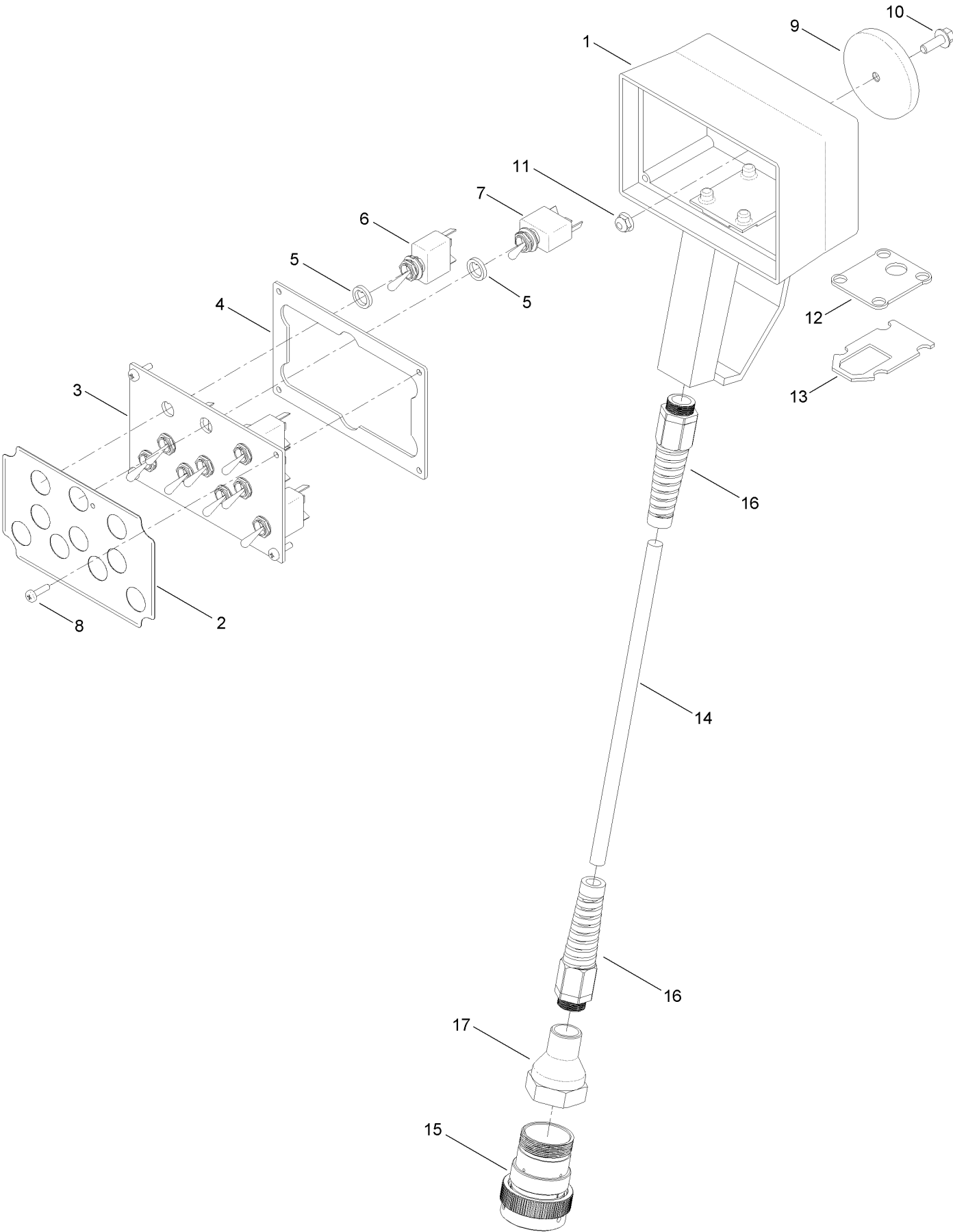
# Travel Pendant Assembly No. 131-9036



## Travel Pendant Assembly No. 131-9036 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 125-1612           | 1           | Enclosure-Handheld      | 12          | 120-4578           | 1           | Nut-HF                  |
| 2           | 131-9016           | 1           | Plate-Pendant Front     | 13          | 125-1616           | 1           | Switch-Momentary        |
| 3           | 125-1641           | 1           | Decal-Travel Pendant    | 14          | 125-1592           | 1           | Switch-Push Button      |
| 4           | 131-9017           | 1           | Gasket-Pendent Front    | 15          | 125-6183           | 1           | Decal-Operator Presence |
| 5           | 125-1619           | 2           | Seal-Switch             | 16          | 125-1622           | 1           | Decal-Emergency Stop    |
| 6           | 125-1615           | 1           | Switch                  | 17          | 125-1609           | 1           | Gasket-Handle, Inner    |
| 7           | 125-1611           | 1           | Switch                  | 18          | 125-1610           | 1           | Gasket-Handle, Outer    |
| 8           | 125-1590           | 1           | Joystick                | 19          | 125-1606           | 1           | Cable-Travel Pendant    |
| 9           | 131-9021           | 4           | Screw-PPH               | 20          | 32160-404          | 1           | Plug-Connetor           |
| 10          | 131-9022           | 1           | Magnet-Ceramic, Encased | 21          | 125-1632           | 2           | Grip-Cord               |
| 11          | 3250-13            | 1           | Screw-PPH               | 22          | 125-1625           | 1           | Coupler                 |

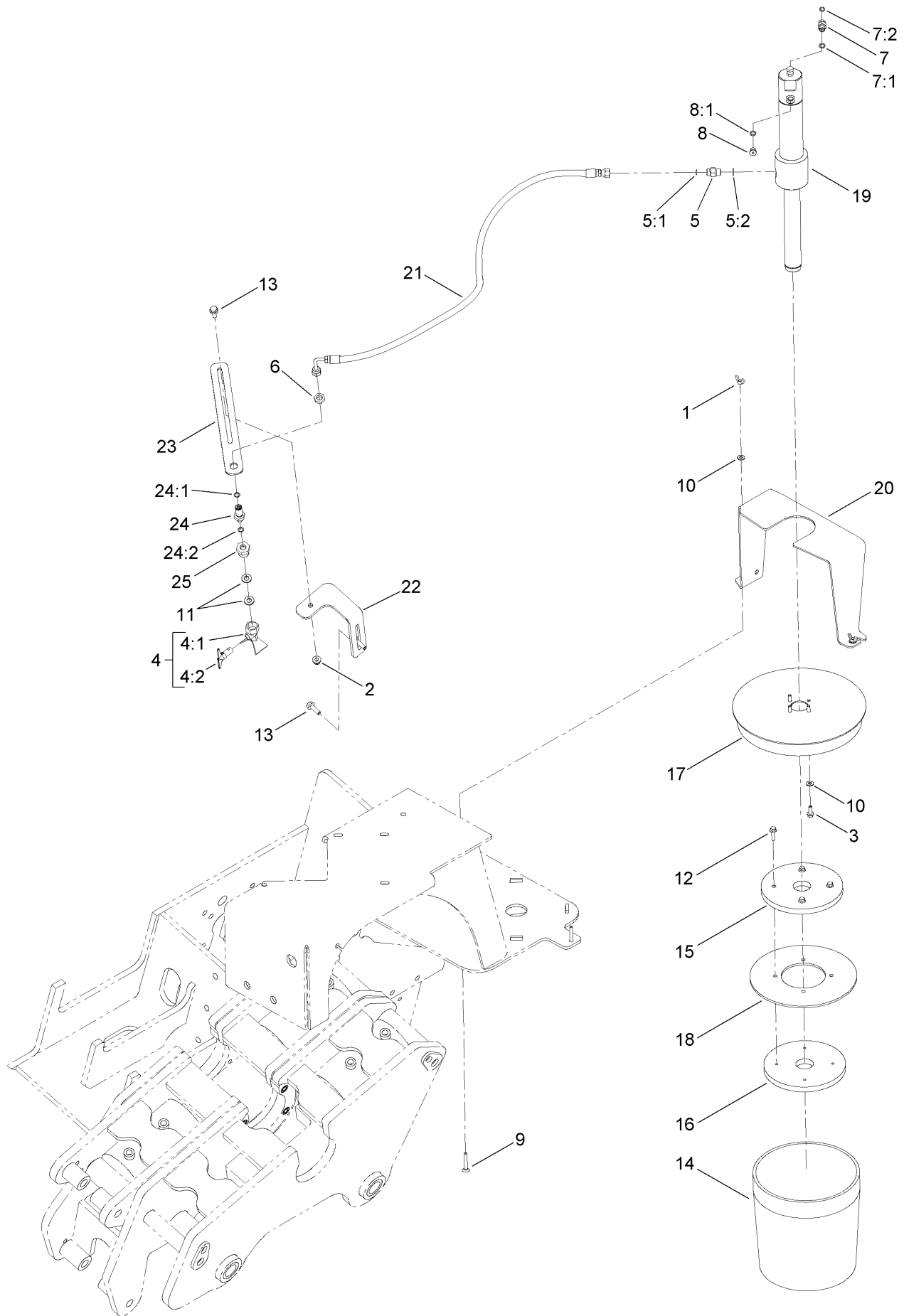
Life Jacket Assembly No. 125-1628



## Life Jacket Assembly No. 125-1628 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 125-1614           | 1           | Enclosure-Handheld      | 10          | 120-9678           | 1           | Screw-HHF             |
| 2           | 125-1623           | 1           | Decal-Life Jacket       | 11          | 104-7201           | 1           | Nut-Flange, NI        |
| 3           | 125-1624           | 1           | Plate-Life Jacket       | 12          | 125-1609           | 1           | Gasket-Handle, Inner  |
| 4           | 125-1647           | 1           | Gasket-Life Jacket      | 13          | 125-1610           | 1           | Gasket-Handle, Outter |
| 5           | 125-1619           | 10          | Seal-Switch             | 14          | 125-1608           | 1           | Cable-Life Jacket     |
| 6           | 125-1615           | 9           | Switch                  | 15          | 32160-403          | 1           | Deutsch 23F           |
| 7           | 125-1620           | 1           | Switch                  | 16          | 125-1632           | 1           | Grip-Cord             |
| 8           | 125-1630           | 4           | Screw-PPH               | 17          | 125-1626           | 1           | Coupler               |
| 9           | T0002-8729         | 1           | Magnet-Ceramic, Encased |             |                    |             |                       |

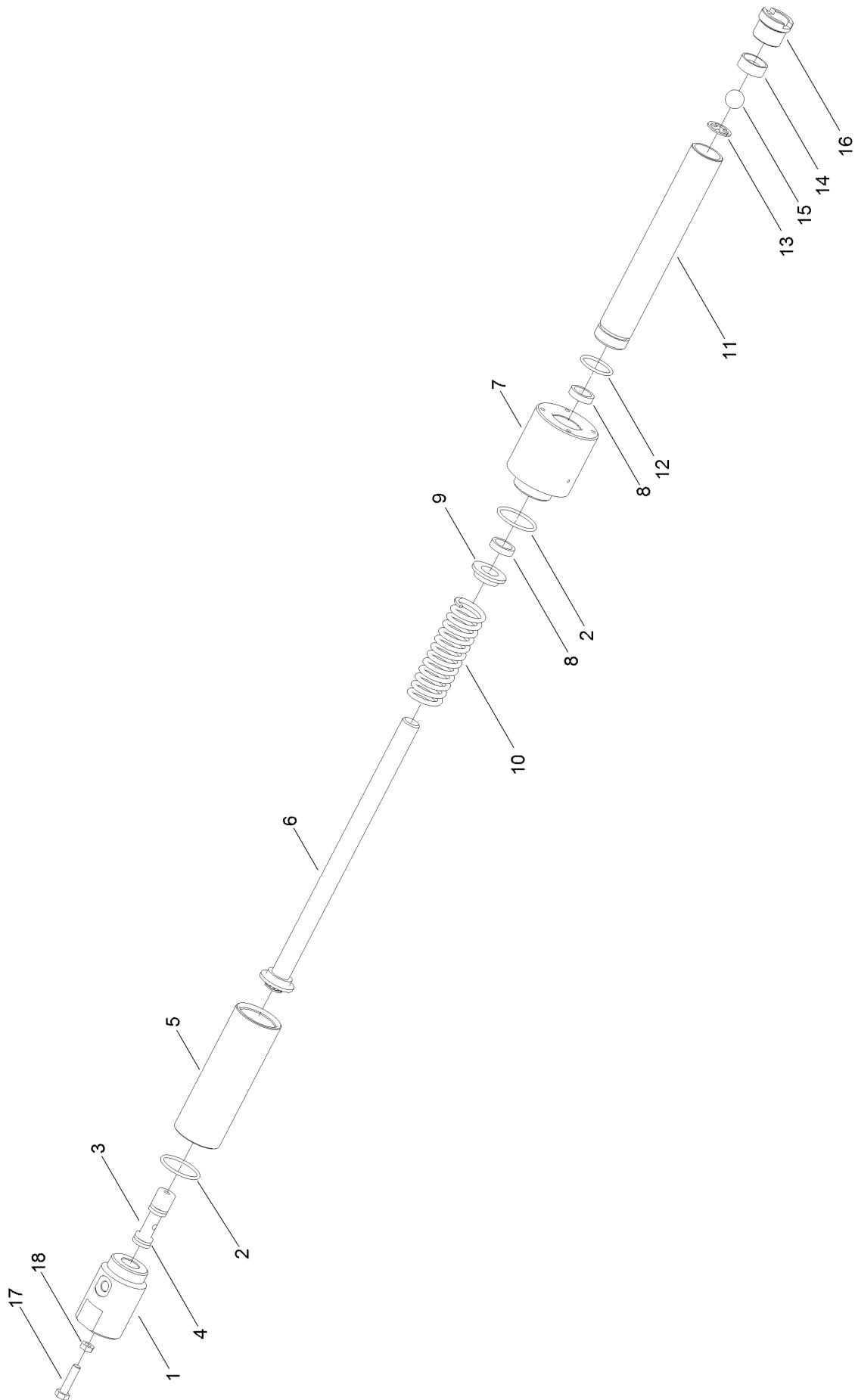
# Tool Joint Lube Applicator Assembly



## Tool Joint Lube Applicator Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 1-543792           | 2           | Wingnut               | 11          | 3256-24            | 2           | Washer-Flat                |
| 2           | 104-3082           | 1           | Nut-Lock, HHF         | 12          | 33103-025          | 4           | Screw-HHF                  |
| 3           | 120-9678           | 4           | Screw-HHF             | 13          | 33104-025          | 3           | Screw-HHF                  |
| 4           | 125-4539           | 1           | Spray Nozzle ASM      | 14          | AU01DT9904         | 1           | Compound-Thread            |
| 4:1         | 125-4540           | 1           | Nozzle-Spray, Airless | 15          | AU108640-03        | 1           | Plate                      |
| 4:2         | 125-4541           | 1           | Orifice Insert ASM    | 16          | AU108641-03        | 1           | Plate                      |
| 5           | 340-1              | 1           | Fitting-HYD, Straight | 17          | AU108790-03        | 1           | Cover-Applicator, Lube     |
| 5:1         | 237-21             | 1           | O-Ring                | 18          | AU108814           | 1           | Seal-Rubber, Follower      |
| 5:2         | 237-42             | 1           | O-Ring                | 19          | AU108837           | 1           | HYD Grease Pump ASM        |
| 6           | 340-78             | 1           | Nut-Lock              | 20          | AU109840-03        | 1           | Cover-Grease Tied Down     |
| 7           | 340-92             | 1           | Fitting-HYD, Straight | 21          | AU119788           | 1           | HYD Hose ASM               |
| 7:1         | 237-78             | 1           | O-Ring                | 22          | AU121079-03        | 1           | Bracket-Mount, Nozzle      |
| 7:2         | 237-21             | 1           | O-Ring                | 23          | AU121080-03        | 1           | Mount-Slide, Nozzle        |
| 8           | 353-990            | 1           | Plug ASM              | 24          | AU8OA90404         | 1           | Fitting-Straight           |
| 8:1         | 237-78             | 1           | O-Ring                | 24:1        | 237-21             | 1           | O-Ring                     |
| 9           | 3229-5             | 2           | Screw-CARR            | 24:2        | 237-78             | 1           | O-Ring                     |
| 10          | 3256-22            | 6           | Washer-Flat           | 25          | AU8SA31004         | 1           | Reducer-Straight, Threaded |

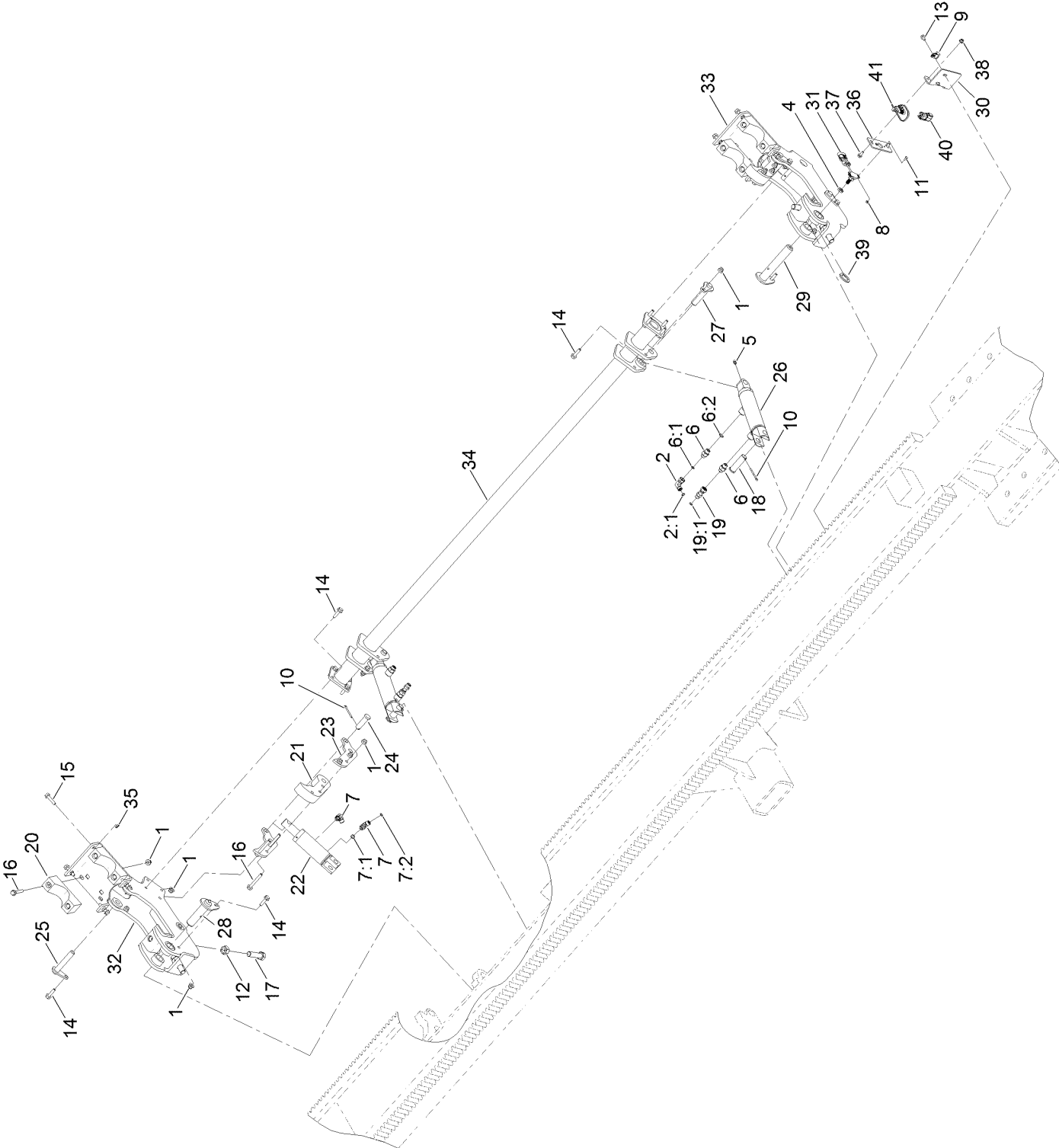
# Grease Pump Assembly No. AU108837



## Grease Pump Assembly No. AU108837 (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           | AU108858-03        | 1           | Cap-Cylinder       | 10          | AU108870           | 1           | Spring                |
| 2           | AU8HS51920         | 2           | Seal-O Ring        | 11          | AU108866-03        | 1           | Barrel-Pump           |
| 3           | AU108861           | 1           | Spool-Adjusting    | 12          | AU8HS51916         | 1           | Seal-O Ring           |
| 4           | AU238-5113         | 2           | O-Ring             | 13          | AU108860           | 1           | Clip-Retainer         |
| 5           | AU108862-03        | 1           | Barrel-Cylinder    | 14          | AU108867           | 1           | Valve-Seat            |
| 6           | AU108865           | 1           | Plunger            | 15          | AU108869           | 1           | Ball-Steel, Stainless |
| 7           | AU108859-03        | 1           | Body-Pump          | 16          | AU108868           | 1           | Tube-Inlet            |
| 8           | AU8HS10002         | 2           | Seal-Deep          | 17          | 322-47             | 1           | Screw-HH              |
| 9           | AU108863           | 1           | Guide-Rod          | 18          | 3218-2             | 1           | Nut-Jam               |

# Rod Loader Assembly

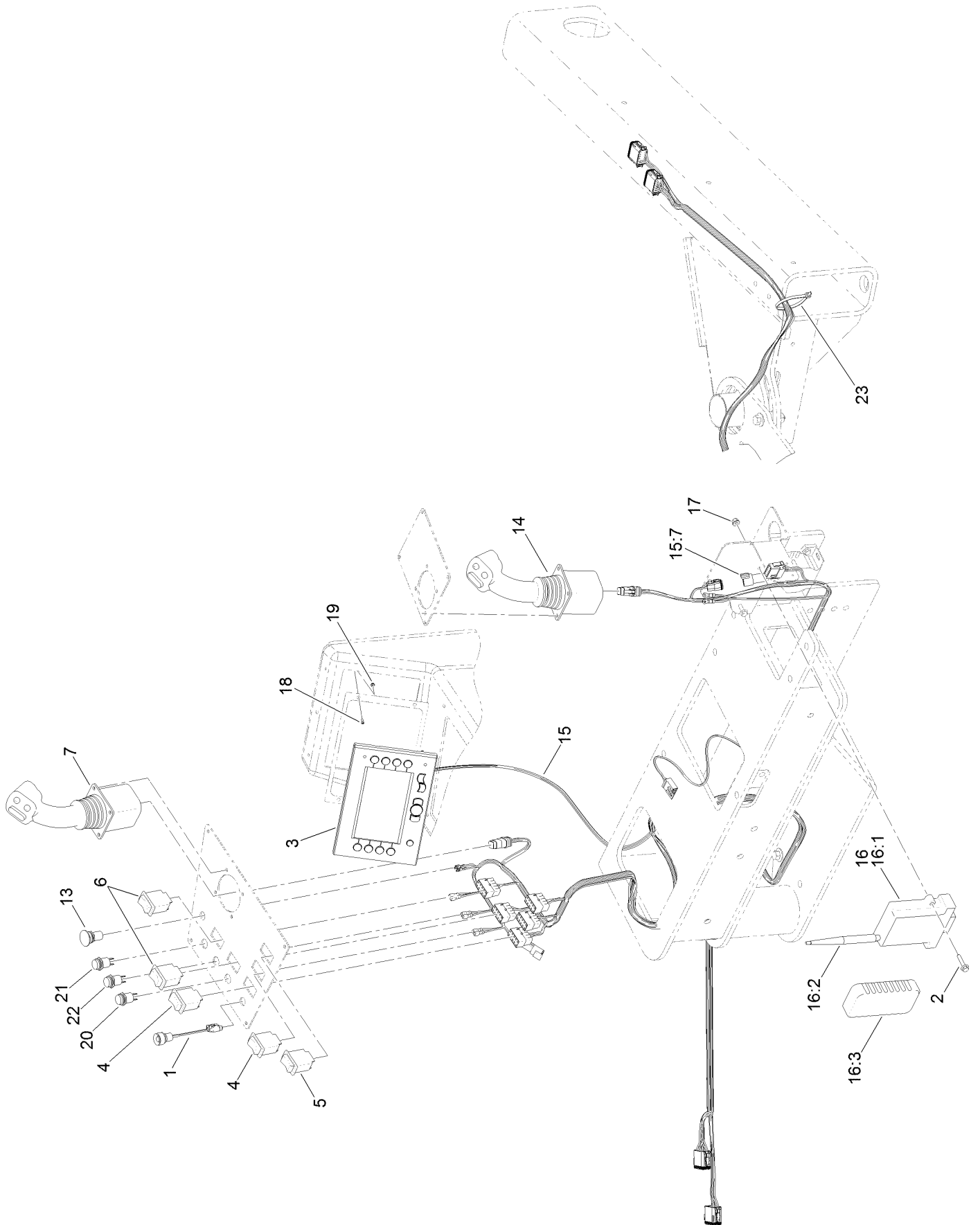


## Rod Loader Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 104-3082           | 30          | Nut-Lock, HHF         | 21          | AU117449           | 2           | Insert-Gripper          |
| 2           | 92-2745            | 1           | Fitting-Adaptor       | 22          | AU117558           | 2           | HYD Cylinder ASM        |
| 2:1         | 237-21             | 1           | O-Ring                | 22:1        | 131-0171           | 1           | Piston Seal Kit ●       |
| 4           | 112-8617           | 1           | Nut-Hex               | 22:2        | 131-0172           | 1           | Gland Seal Kit ●        |
| 5           | 302-57             | 3           | Fitting-Grease        | 23          | AU117581-03        | 4           | Gripper                 |
| 6           | 340-1              | 4           | Fitting-HYD, Straight | 24          | AU117727           | 2           | Pin-Clevis              |
| 6:1         | 237-21             | 1           | O-Ring                | 25          | AU117806           | 4           | Pin-Pivot (W/ Flag)     |
| 6:2         | 237-42             | 1           | O-Ring                | 26          | AU117809           | 2           | Cylinder ASM            |
| 7           | 340-132            | 4           | Fitting-HYD, 90 DEG   | 26:1        | 131-0171           | 1           | Piston Seal Kit ●       |
| 7:1         | 237-78             | 1           | O-Ring                | 26:2        | 131-0172           | 1           | Gland Seal Kit ●        |
| 7:2         | 237-21             | 1           | O-Ring                | 27          | AU118041           | 2           | Pin-Pivot               |
| 8           | 127-2018           | 2           | Nut-HHF               | 28          | AU118048           | 1           | Pin-Pivot, Cam          |
| 9           | 2412-93            | 1           | Clamp-R               | 29          | AU124261           | 1           | Pin-Pivot               |
| 10          | 3272-19            | 4           | Pin-Cotter            | 30          | 132-4172-03        | 1           | Bracket-Loader, Rod     |
| 11          | 60-6500            | 2           | Screw-HH              | 31          | 131-0177           | 1           | Sensor-Rotary           |
| 12          | 33018-00           | 4           | Nut-Hex               | 32          | AU126409-03        | 1           | Loader-Rod, Rear        |
| 13          | 33103-012          | 2           | Screw-HHF             | 33          | AU126410-03        | 1           | Loader-Rod, Front       |
| 14          | 33104-030          | 16          | Screw-HHF             | 34          | AU126418-03        | 1           | Rod-Tie                 |
| 15          | 33104-035          | 8           | Screw-HHF             | 35          | 117-4059           | 8           | Nut-Hex                 |
| 16          | 33104-060          | 14          | Screw-HHF             | 36          | 132-4173-03        | 1           | Plate-Sensor            |
| 17          | AU120624           | 4           | Screw-HH              | 37          | 33103-016          | 2           | Screw-HHF               |
| 18          | AU109885           | 2           | Pin-Clevis            | 38          | 81-0130            | 2           | Nut-Flange, NI          |
| 19          | AU111506           | 2           | Fitting-Straight      | 39          | 3-8514             | 1           | Washer-Thrust           |
| 19:1        | 237-21             | 1           | O-Ring                | 40          | 122-0673           | 1           | Harness-Adaptor, Sensor |
| 20          | AU117448           | 4           | Holder-Pipe           | 41          | 3290-378           | 2           | Tie-Cable               |

● Not illustrated

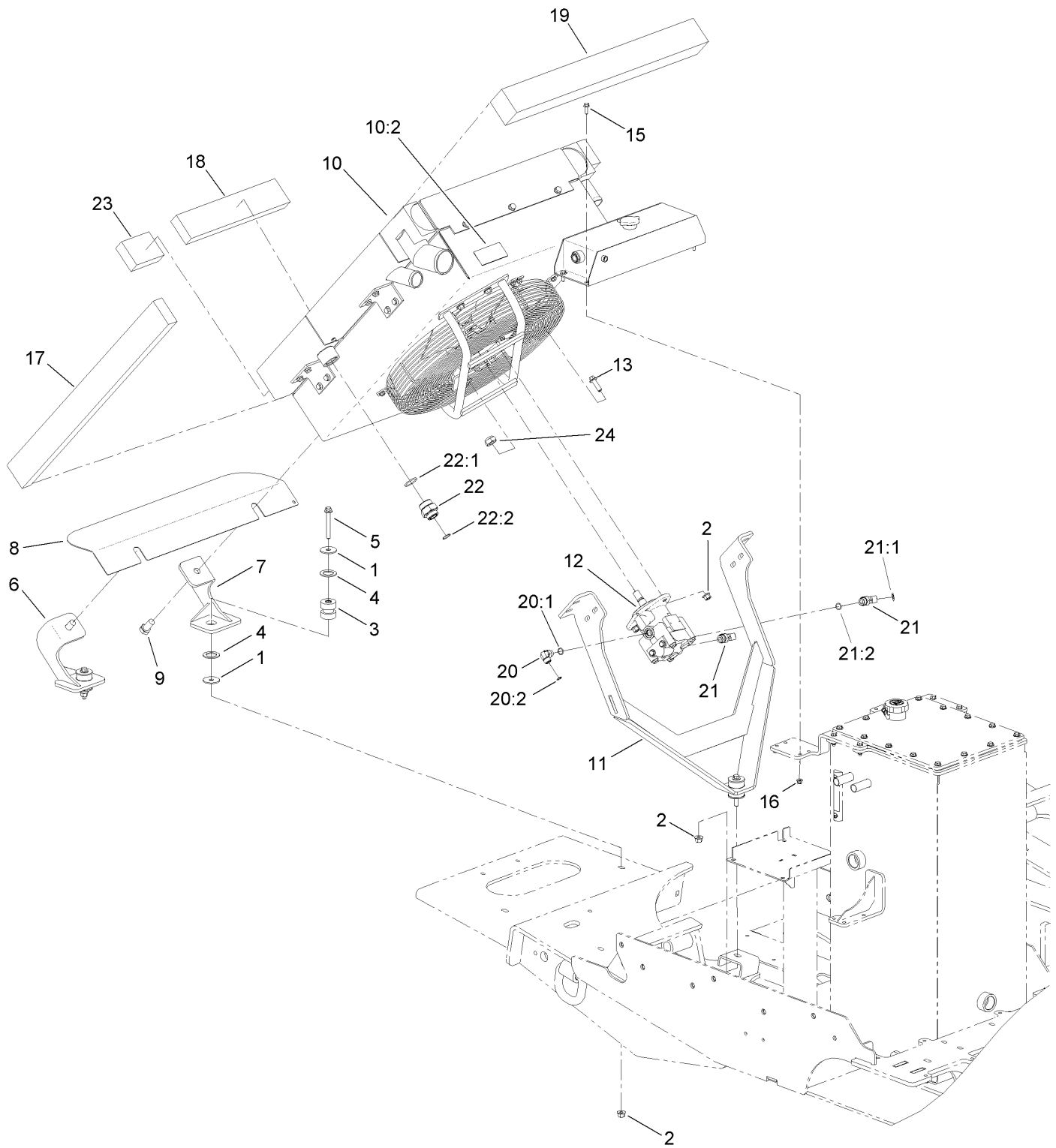
# Operator Control Assembly



## Operator Control Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|------------------------------------------|-------------|--------------------|-------------|-------------------------------------|
| 1           | 121-6592           | 1           | Switch-Start, Green Button               | 15          | 121-6585           | 1           | Harness-Wire, Operator              |
| 2           | 33103-030          | 2           | Screw-HHF                                | 15:7        | 32180-043          | 1           | Resistor-120 Ohm                    |
| 3           | 131-0118           | 1           | Display-Dp610Tm,<br>Unprogrammed         | 16          | 133-6314           | 1           | Long Range Exit Side<br>Lockout Kit |
| 4           | AU113662           | 2           | Switch-Rocker, 2 Pole<br>(On/Off)        | 16:1        | 133-6315           | 1           | Handheld-Long Range                 |
| 5           | AU113664           | 1           | Switch-Rocker, 2 Pole                    | 16:2        | 133-6317           | 1           | Base Unit-Long Range                |
| 6           | AU113665           | 2           | Switch-Rocker, 1 Pole<br>(On)Off/On(Off) | 16:3        | 130-4462           | 1           | Antenna-Lockout                     |
| 7           | AU117962           | 1           | Joystick-Modified (Left<br>Hand)         | 17          | 81-0130            | 2           | Nut-Flange, NI                      |
| 13          | AU8EP46103         | 1           | Button-Push, Red<br>Mushroom             | 18          | 130-4539           | 4           | Screw-Ph                            |
| 14          | AU8EP47613         | 1           | Joystick-Carriage                        | 19          | 3296-52            | 4           | Nut-Lock, NI                        |
|             |                    |             |                                          | 20          | 131-0040           | 1           | Lamp-Indicator, Led                 |
|             |                    |             |                                          | 21          | 131-0039           | 1           | Lamp-Indicator, Led                 |
|             |                    |             |                                          | 22          | 131-0038           | 1           | Lamp-Indicator, Led                 |
|             |                    |             |                                          | 23          | 3290-379           | 1           | Tie-Cable                           |

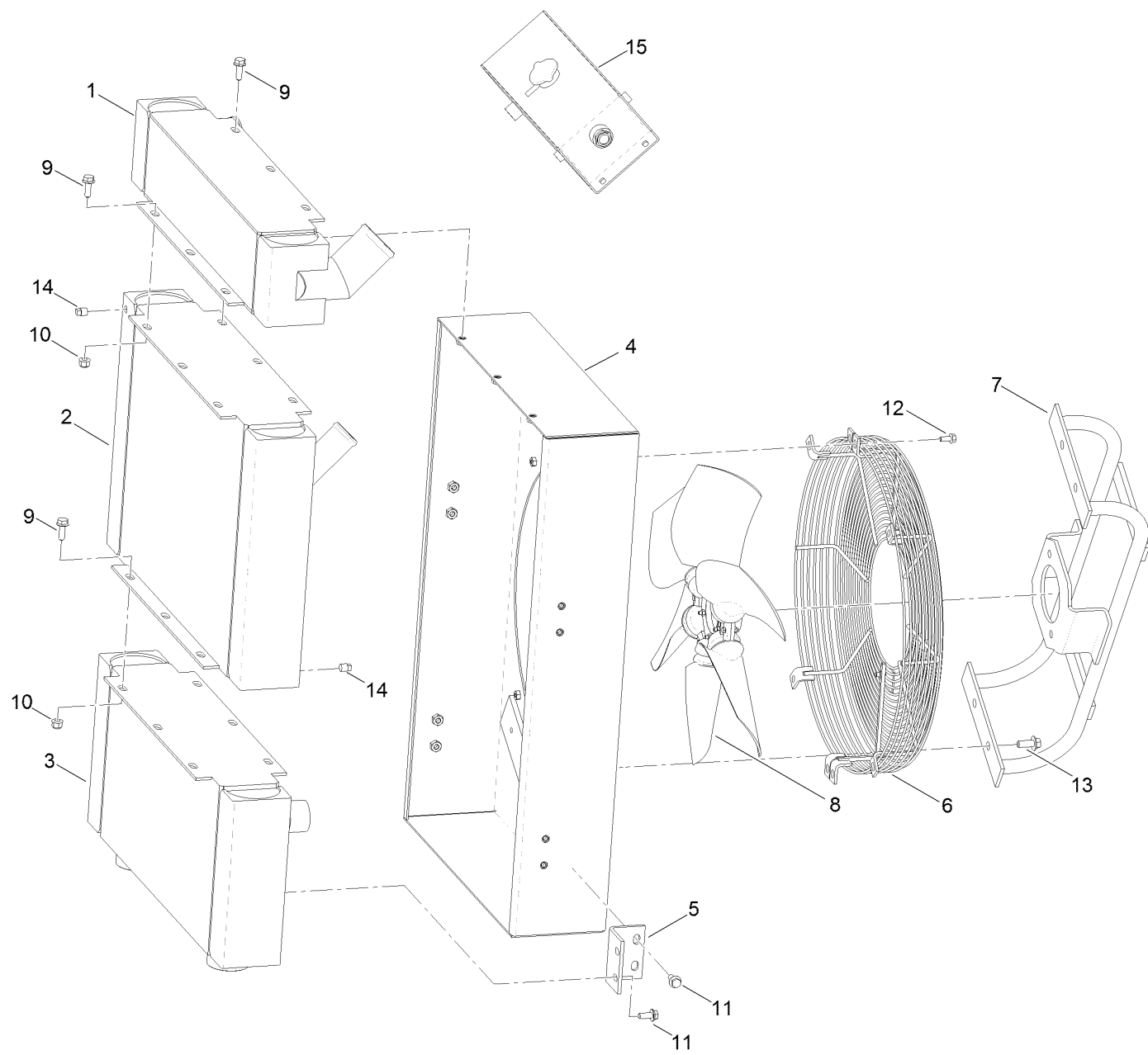
# Cooling Package Assembly



## Cooling Package Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|---------------------|
| 1           | AU496-81018        | 6           | Washer-Flat                  | 16          | 104-3082           | 4           | Nut-Lock, HHF       |
| 2           | 115-1115           | 5           | Nut-Lock, HHF                | 17          | AU130577           | 2           | Foam-Polyurethane   |
| 3           | AU8NG28121         | 3           | Isolator-Mounting, Universal | 18          | AU130647           | 1           | Foam-Polyurethane   |
| 4           | AU495-81203        | 6           | Washer                       | 19          | AU124069           | 1           | Foam-Polyurethane   |
| 5           | 33106-090          | 3           | Screw-HHF                    | 20          | 340-98             | 1           | Fitting-HYD, 90 DEG |
| 6           | AU130574-03        | 1           | Support-Isolator, LH         | 20:1        | 237-79             | 1           | O-Ring              |
| 7           | AU130567-03        | 1           | Support-Isolator, RH         | 20:2        | 237-30             | 1           | O-Ring              |
| 8           | AU130581-03        | 1           | Plate-Seal, Rear Hood        | 21          | 340-89             | 2           | Fitting-HYD, 45 DEG |
| 9           | AU426-1224         | 2           | Bolt                         | 21:1        | 237-30             | 1           | O-Ring              |
| 10          | 127-0943           | 1           | Cooling ASM                  | 21:2        | 237-80             | 1           | O-Ring              |
| 10:2        | 125-6127           | 1           | Decal-Rotating Fan Hazard    | 22          | 340-80             | 2           | Fitting-Straight    |
| 11          | 125-6585-03        | 1           | Isolator-Support             | 22:1        | 237-101            | 1           | O-Ring              |
| 12          | AU118007           | 1           | HYD Motor ASM                | 22:2        | 340-65             | 1           | O-Ring              |
| 13          | 33106-040          | 2           | Screw-HHF                    | 23          | 127-0978           | 2           | Foam-Polyurethane   |
| 15          | 33104-025          | 4           | Screw-HHF                    | 24          | 3296-67            | 1           | Nut-Lock, NI        |

Cooler Assembly No. 127-0943

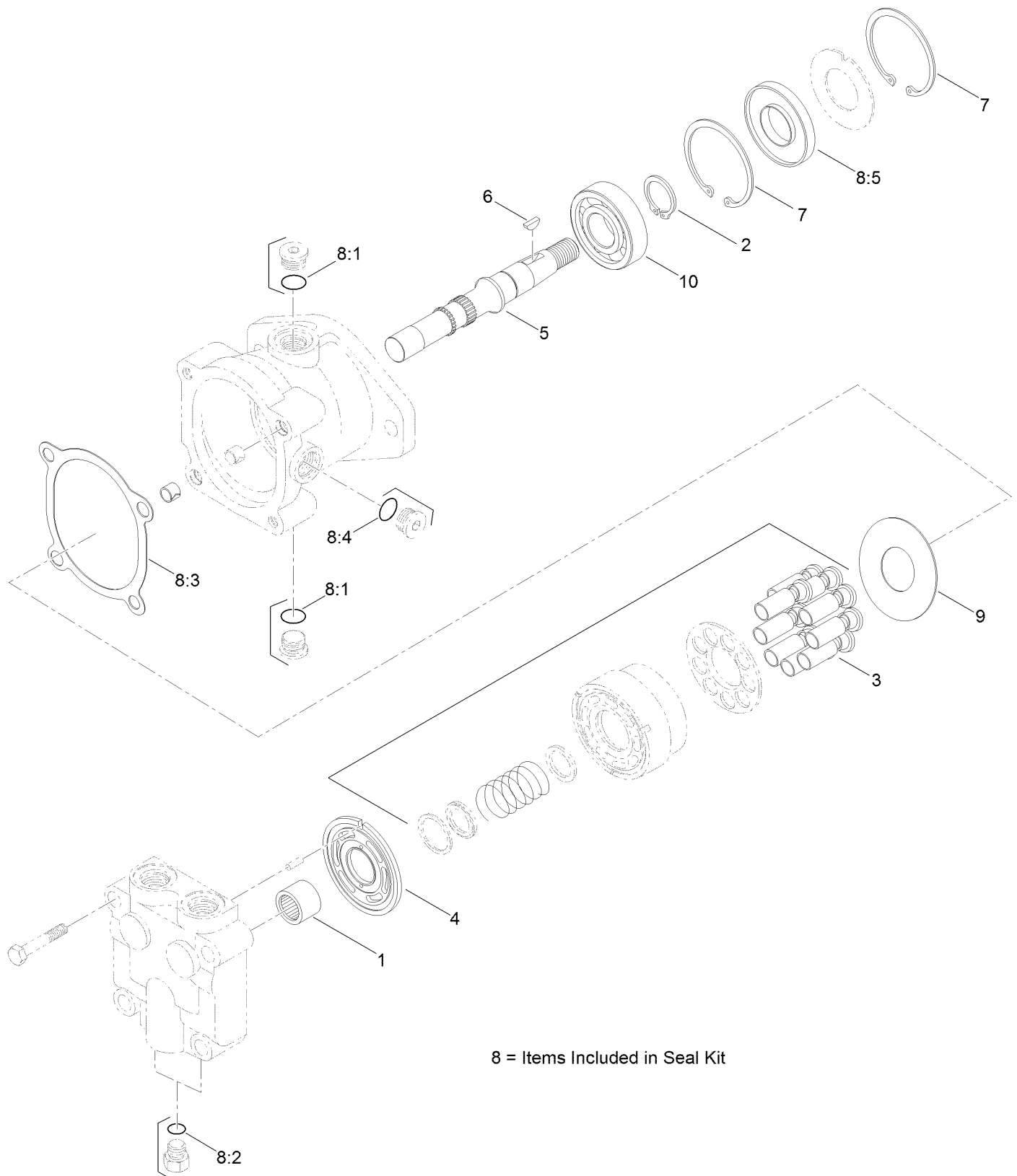


## Cooler Assembly No. 127-0943 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 1           | AU130370           | 1           | Cooler-Air, Charge     |
| 2           | AU130371           | 1           | Cooler-Radiator        |
| 3           | AU130372           | 1           | Cooler-Oil             |
| 4           | AU130378           | 1           | Shroud-Fan             |
| 5           | 125-6569           | 4           | Plate-Mounting, Shroud |
| 6           | AU118001           | 1           | Guard-Fan, 22 Inch     |
| 7           | AU117996           | 1           | Bracket-Mounting       |
| 8           | 130-7415           | 1           | Fan-Cooling, 22 Inch   |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 9           | 33105-030          | 4           | Screw-HHF          |
| 10          | 103-9511           | 12          | Nut-Lock, NI       |
| 11          | 33105-025          | 16          | Screw-HHF          |
| 12          | 33104-020          | 8           | Screw-HHF          |
| 13          | 33106-030          | 15          | Screw-HHF          |
| 14          | 281-1              | 1           | Plug-Pipe, SQH     |
| 15          | AU118080           | 1           | Tank-Fill/Surge    |

# Hydraulic Motor Assembly No. AU118007

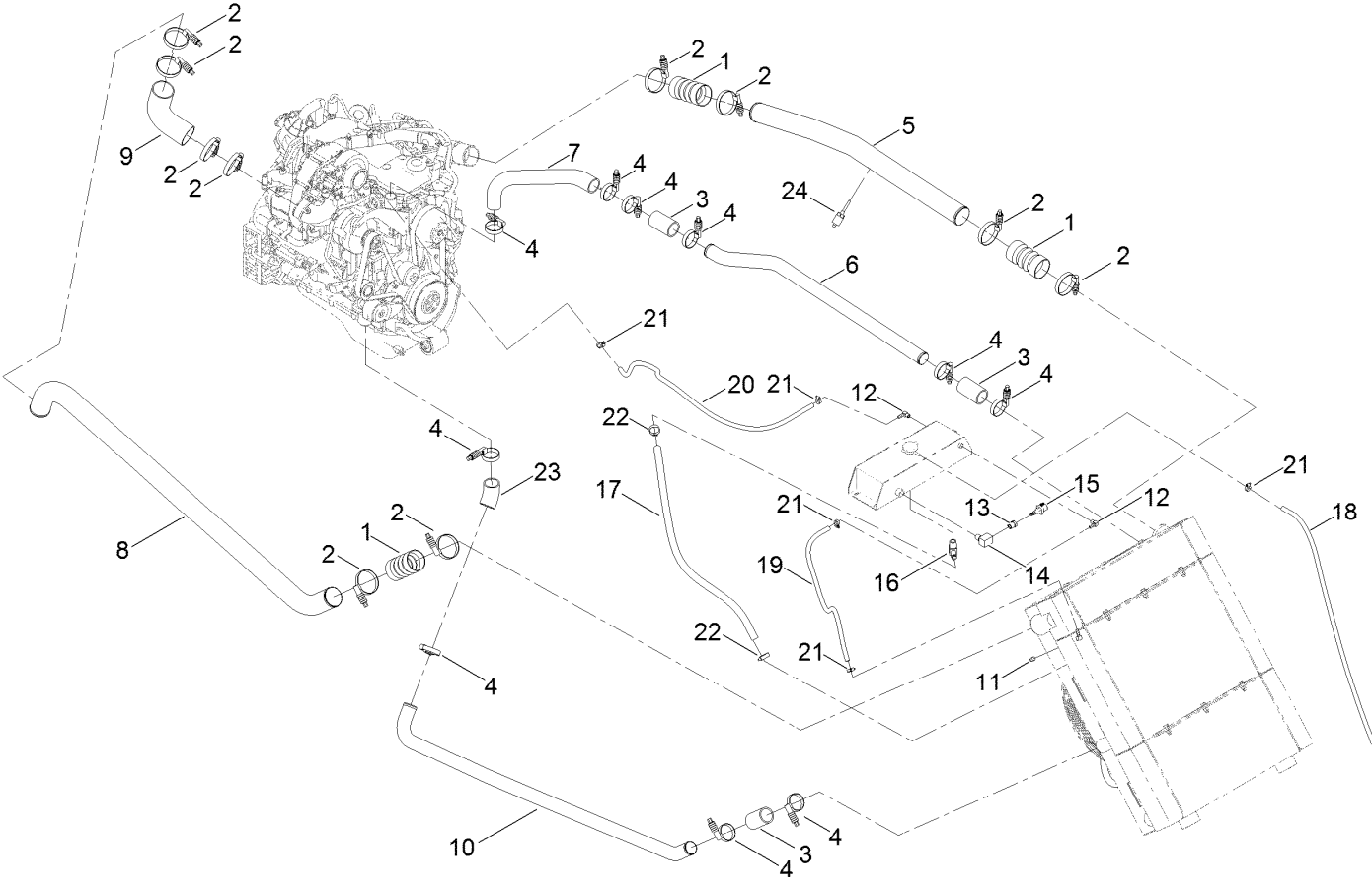


# Hydraulic Motor Assembly No. AU118007 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 75-0500            | 1           | Bearing-Needle     |
| 2           | 125-5280           | 1           | Ring-Retaining     |
| 3           | 131-7619           | 9           | Piston ASM         |
| 4           | 131-7620           | 1           | Plate-Valve        |
| 5           | 131-7644           | 1           | Shaft-Motor        |
| 6           | 131-8612           | 1           | Key                |
| 7           | 131-8616           | 2           | Ring-Retaining     |
| 8           | 131-8633           | 1           | Overhaul Seal Kit  |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 8:1         | 75-0240            | 2           | O-Ring             |
| 8:2         | 92-8777            | 2           | O-Ring             |
| 8:3         | 131-7618           | 1           | Gasket-Cap, End    |
| 8:4         | 28-3570            | 1           | O-Ring             |
| 8:5         | 127-6214           | 1           | Seal-Lip           |
| 9           | 75-0400            | 1           | Plate-Thrust       |
| 10          | 75-0460            | 1           | Bearing-Ball       |

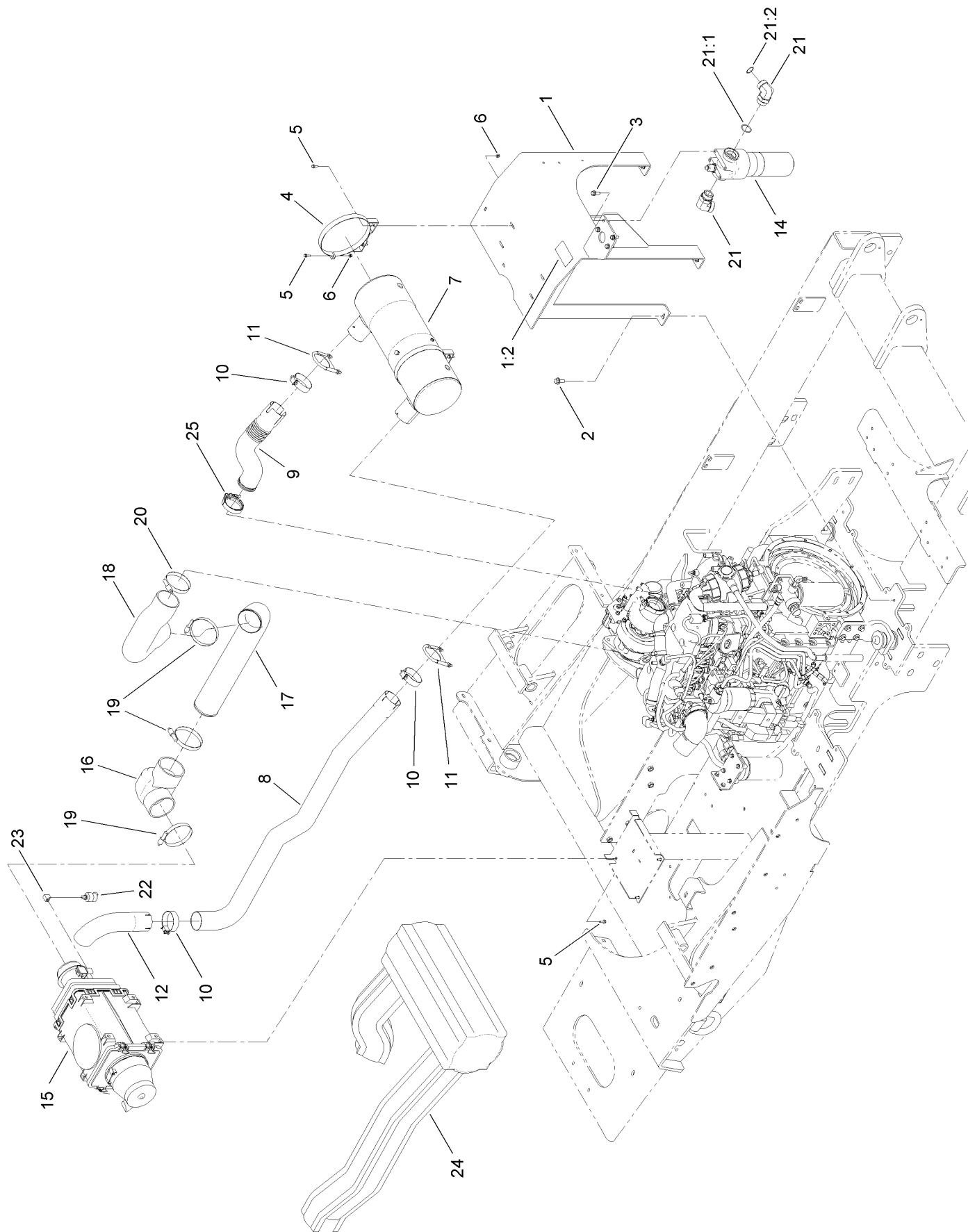
# Cooling Package Hose and Clamp Assembly



## Cooling Package Hose and Clamp Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | AU122225           | 3           | Connector-Hose         | 13          | 354-92             | 1           | Bushing                 |
| 2           | AU21001153         | 10          | Clamp-Torque, Constant | 14          | 93-1339            | 1           | Elbow-Street, 90 DEG    |
| 3           | AU119806           | 3           | Hose-Connecting        | 15          | 110-8828           | 1           | Sensor-Level, Coolant   |
| 4           | AU110569           | 10          | Clamp-Torque, Constant | 16          | AU217-135          | 1           | Stem-90, Bead Hose      |
| 5           | AU130257           | 1           | Tube-Charge Air Out    | 17          | 127-0947           | 1           | Hose-Coolant            |
| 6           | AU130305           | 1           | Tube-Radiator          | 18          | 127-0948           | 1           | Hose-Coolant            |
| 7           | AU130451           | 1           | Hose-Radiator, Molded  | 19          | 127-0949           | 1           | Hose-Coolant            |
| 8           | AU130307           | 1           | Tube-Charge Air In     | 20          | 127-0950           | 1           | Hose-Coolant            |
| 9           | AU130358           | 1           | Elbow-90               | 21          | 2412-36            | 5           | Clamp-Hose              |
| 10          | AU130137           | 1           | Tube-Radiator, Out     | 22          | 2412-34            | 2           | Clamp-Hose              |
| 11          | 281-1              | 1           | Plug-Pipe, SQH         | 23          | AU130857           | 1           | Hose-Coolant, 45 Degree |
| 12          | 354-93             | 3           | Fitting-Elbow, 90      | 24          | AU129089           | 1           | Transducer-Temperature  |

# Engine Intake and Exhaust Assembly

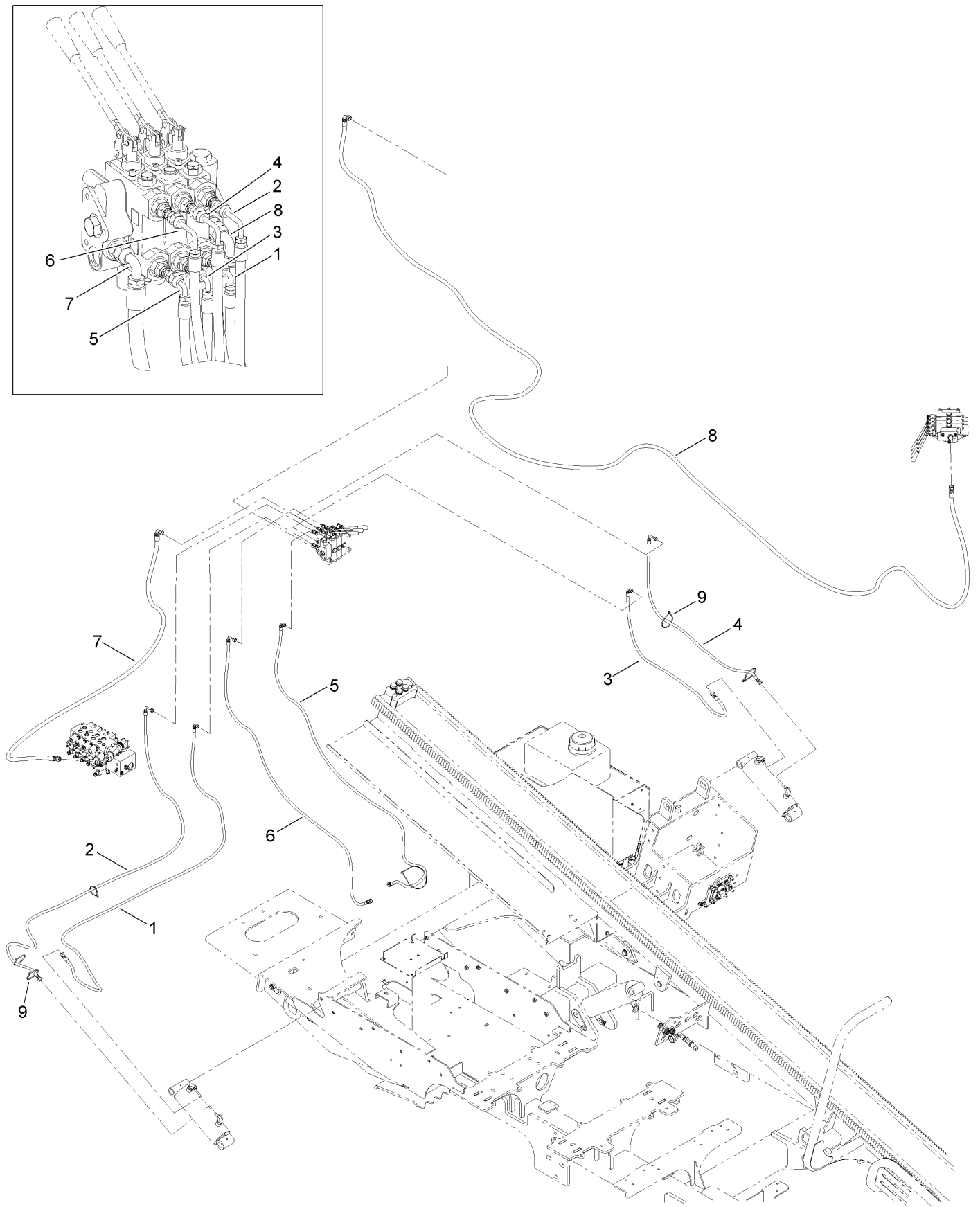


## Engine Intake and Exhaust Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 127-0944           | 1           | Exhaust Mount ASM          | 14:9        | 133-6224           | 1           | Plug ASM ●                |
| 1:2         | 125-6129           | 1           | Decal-Warning, Hot Surface | 14:10       | AU120530           | 1           | Filter-Element ●          |
| 2           | 33106-020          | 4           | Screw-HHF                  | 15          | 125-6545           | 1           | Air Cleaner ASM           |
| 3           | 3234-42            | 4           | Screw-HHF                  | 15:1        | 131-7352           | 1           | Cleaner-Air ●             |
| 4           | AU117217           | 2           | Band-Mounting, Muffler     | 15:2        | 131-0199           | 1           | Secondary Element ●       |
| 5           | 33103-020          | 10          | Screw-HHF                  | 15:3        | 131-8646           | 1           | Dust Ejection Valve ●     |
| 6           | 81-0130            | 6           | Nut-Flange, NI             | 15:4        | 131-8647           | 4           | M6 Mounting Clips ●       |
| 7           | 125-6546           | 1           | Exhaust                    | 15:5        | 131-8648           | 1           | Front Service Cover ●     |
| 8           | AU130306           | 1           | Tube-Exhaust, Out          | 15:6        | 131-8649           | 1           | Pre-Cleaner ●             |
| 9           | AU130386           | 1           | Tube-Exhaust, Turbo        | 16          | AU130446           | 1           | Elbow-Intake, Air Cleaner |
| 10          | AU130579           | 3           | Clamp-Torctite             | 17          | AU130308           | 1           | Tube-Intake, Turbo        |
| 11          | AU8NG28118         | 2           | Clamp-Guillotine           | 18          | AU130458           | 1           | Hose-Intake, Turbo        |
| 12          | AUP206302          | 1           | Pipe-Stack                 | 19          | AU102427           | 3           | Clamp-Torque, Constant    |
| 14          | AU118636           | 1           | Filter-HYD, High Pressure  | 20          | AU102431           | 1           | Clamp-Torque, Constant    |
| 14:1        | 133-6217           | 1           | Head ASM ●                 | 21          | 340-52             | 2           | Fitting-Elbow, 90         |
| 14:2        | 133-6218           | 1           | Bowl-Filter ●              | 21:1        | 237-101            | 1           | O-Ring                    |
| 14:3        | 133-6219           | 1           | Filter Seal Kit ●          | 21:2        | 340-64             | 1           | O-Ring                    |
| 14:4        | 133-6220           | 1           | O-Ring ●                   | 22          | AU293797A1         | 1           | Switch ASM                |
| 14:5        | 133-6221           | 1           | Backup Ring ●              | 23          | AU217-1050         | 1           | Fitting-Elbow, 90         |
| 14:6        | AU125774           | 1           | Indicator-Filter ●         | 24          | AU130657           | 1           | Wrap-Exhaust              |
| 14:7        | 133-6222           | 1           | Bypass Valve ASM ●         | 25          | AUA170467          | 1           | Clamp                     |
| 14:8        | 133-6223           | 1           | Bushing ●                  |             |                    |             |                           |

● Not illustrated

# 3 Spool Hydraulic Valve Plumbing Assembly

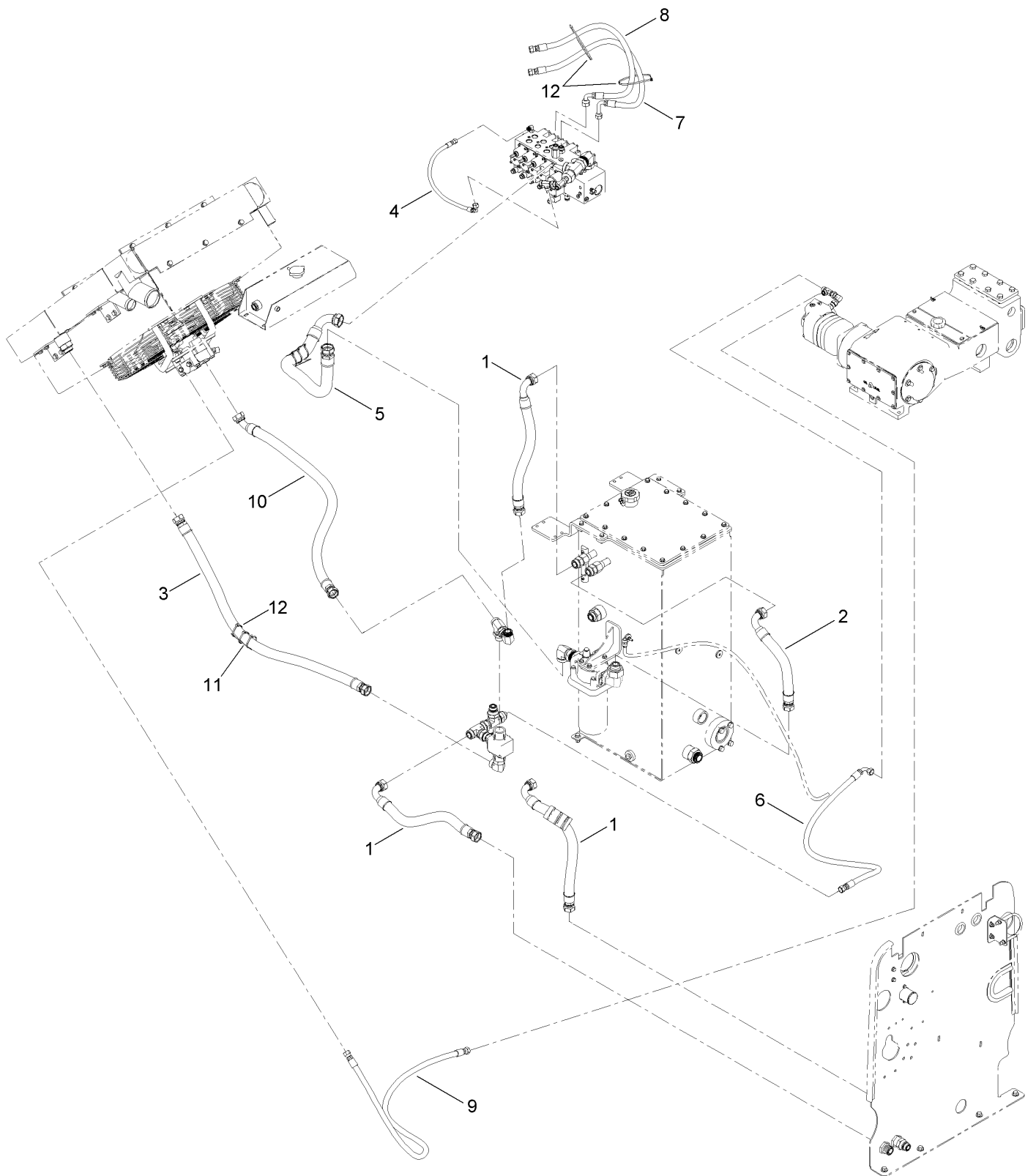


### 3 Spool Hydraulic Valve Plumbing Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU119767           | 1           | Hose ASM-HYD       |
| 2           | AU119768           | 1           | Hose ASM-HYD       |
| 3           | AU119769           | 1           | Hose ASM-HYD       |
| 4           | AU119770           | 1           | Hose ASM-HYD       |
| 5           | AU119771           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 6           | AU119772           | 1           | Hose ASM-HYD       |
| 7           | AU119799           | 1           | Hose ASM-HYD       |
| 8           | AU121093           | 1           | Hose ASM-HYD       |
| 9           | 3290-379           | 6           | Tie-Cable          |

# Hydraulic Tank Hose Plumbing Assembly



## Hydraulic Tank Hose Plumbing Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|------------------------|
| 1           | AU119779           | 3           | Hose ASM-HYD       | 7           | AU120426           | 1           | Hose ASM-HYD           |
| 2           | AU119790           | 1           | Hose ASM-HYD       | 8           | AU120427           | 1           | Hose ASM-HYD           |
| 3           | AU119798           | 1           | Hose ASM-HYD       | 9           | AU120428           | 1           | Hose ASM-HYD           |
| 4           | AU119801           | 1           | Hose ASM-HYD       | 10          | AU119796           | 1           | Hose ASM-HYD           |
| 5           | AU120423           | 1           | Hose ASM-HYD       | 11          | AU112950           | 3           | Protector-Hose, 4 Inch |
| 6           | AU120425           | 1           | Hose ASM-HYD       | 12          | 3290-379           | 11          | Tie-Cable              |

This technical diagram illustrates the exploded view of a vehicle interior lighting system. The components are numbered as follows:

- 1**: Main wiring harness.
- 2**: Side wiring branch.
- 3**: Lower wiring branch.
- 4**: Cable for the lower branch.
- 5**: Cable for the side branch.
- 6**: Cable for the main harness.
- 9**: Connector or plug.
- 10**: Small electronic component, possibly a relay or control module.
- 11**: Long, thin cable or sensor wire.
- 13**: Multi-pin connector.
- 14**: Ring or grommet for cable passage.

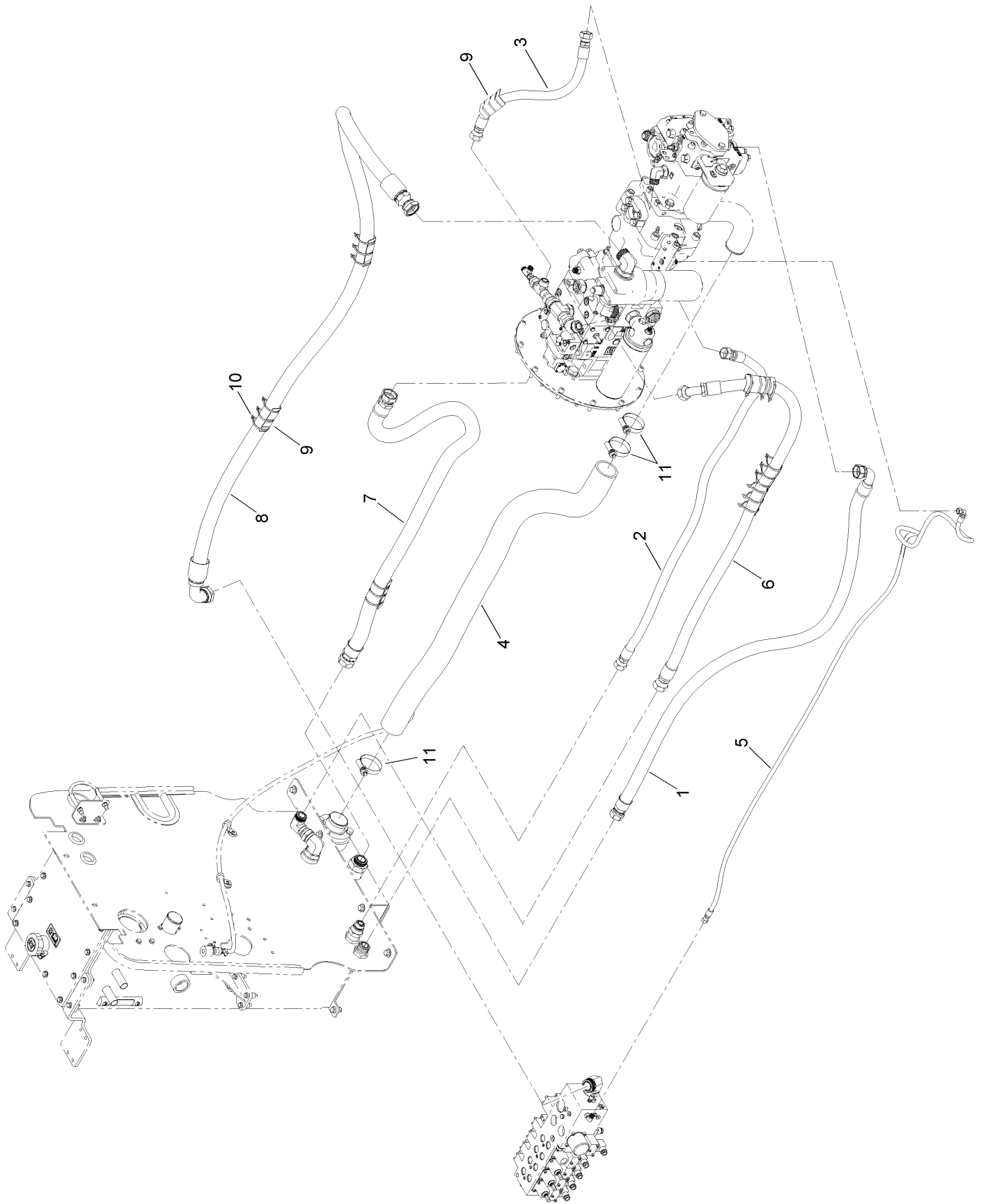
The diagram shows the spatial arrangement and electrical connections between these components, including a multi-pin connector at the top left, a control module (10), a fan or blower unit (bottom right), and various cable runs (1, 2, 3, 4, 5, 6) connecting different parts of the system.

## Track Pod Hydraulic Plumbing Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU119747           | 1           | Hose ASM-HYD       |
| 2           | AU119748           | 1           | Hose ASM-HYD       |
| 3           | AU119749           | 1           | Hose ASM-HYD       |
| 4           | AU119750           | 1           | Hose ASM-HYD       |
| 5           | 127-0855           | 1           | Hose ASM-HYD       |
| 6           | AU119775           | 1           | Hose ASM-HYD       |
| 7           | 127-0770           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 8           | AU119778           | 1           | Hose ASM-HYD           |
| 9           | AU119783           | 1           | Hose ASM-HYD           |
| 10          | AU121962           | 1           | Hose ASM-HYD           |
| 11          | 127-0868           | 1           | Hose ASM-HYD           |
| 12          | AU121097           | 1           | Hose ASM-HYD           |
| 13          | AU112950           | 1           | Protector-Hose, 4 Inch |
| 14          | 3290-379           | 4           | Tie-Cable              |

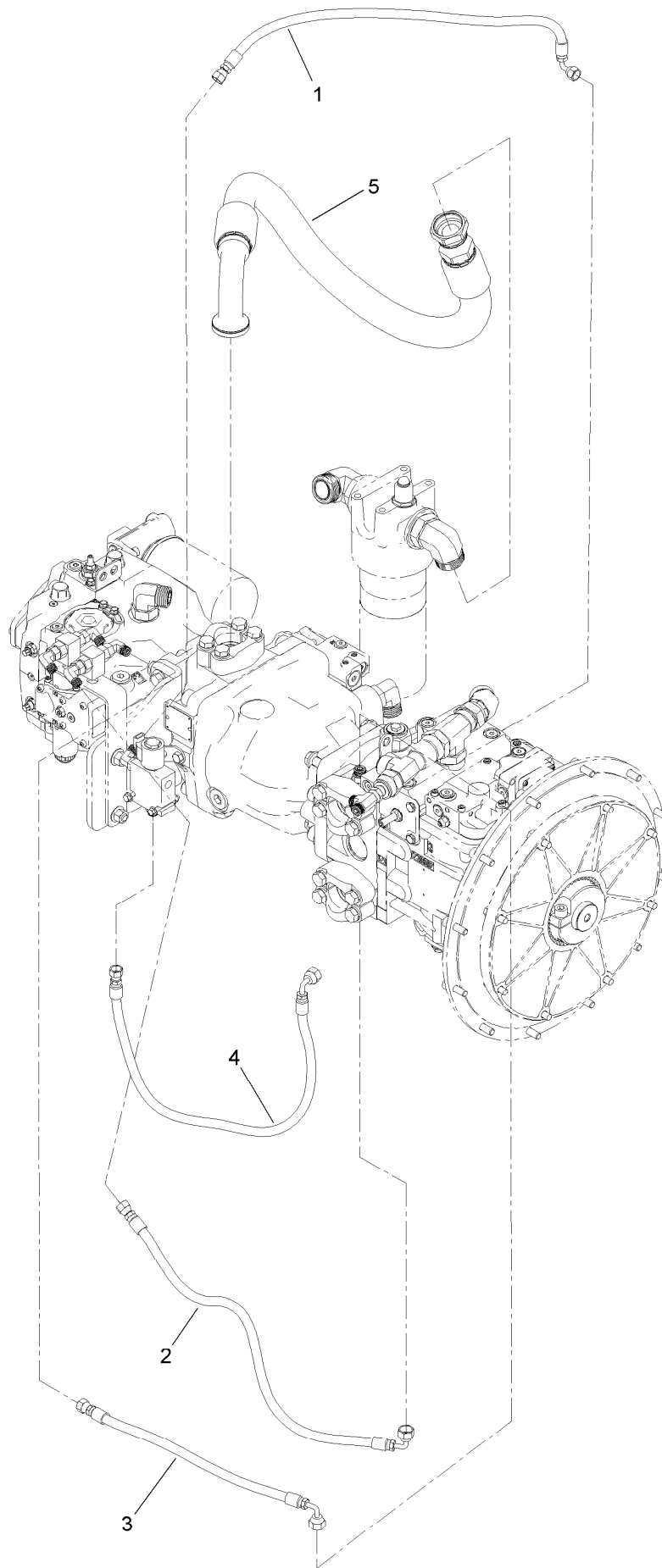
# Hydraulic Pump Hose Assembly No. 1



## Hydraulic Pump Hose Assembly No. 1 (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           | AU121089           | 1           | Hose ASM-HYD       | 7           | AU120737           | 1           | Hose ASM-HYD           |
| 2           | AU126529           | 1           | Hose ASM-HYD       | 8           | AU121870           | 1           | Hose ASM-HYD           |
| 3           | AU119776           | 1           | Hose ASM-HYD       | 9           | AU112950           | 7           | Protector-Hose, 4 Inch |
| 4           | AU119795           | 1           | Hose-Suction       | 10          | 3290-379           | 21          | Tie-Cable              |
| 5           | AU120424           | 1           | Hose ASM-HYD       | 11          | 104-9240           | 3           | Clamp-Hose             |
| 6           | AU120735           | 1           | Hose ASM-HYD       |             |                    |             |                        |

## Hydraulic Pump Hose Assembly No. 2

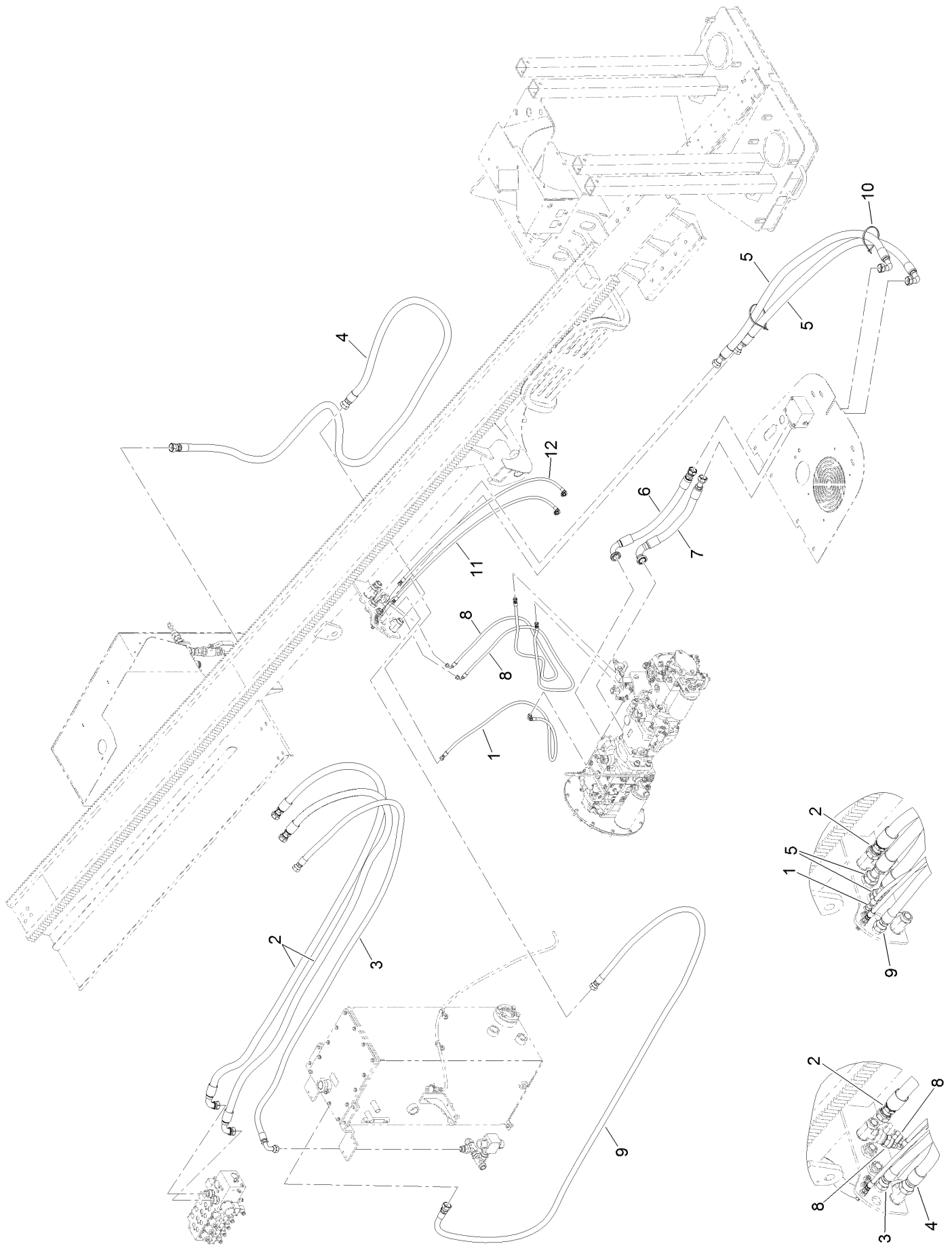


## Hydraulic Pump Hose Assembly No. 2 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU119797           | 1           | Hose ASM-HYD       |
| 2           | 127-0857           | 1           | Hose ASM-HYD       |
| 3           | AU120430           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4           | AU126526           | 1           | Hose ASM-HYD       |
| 5           | AU121899           | 1           | Hose ASM-HYD       |

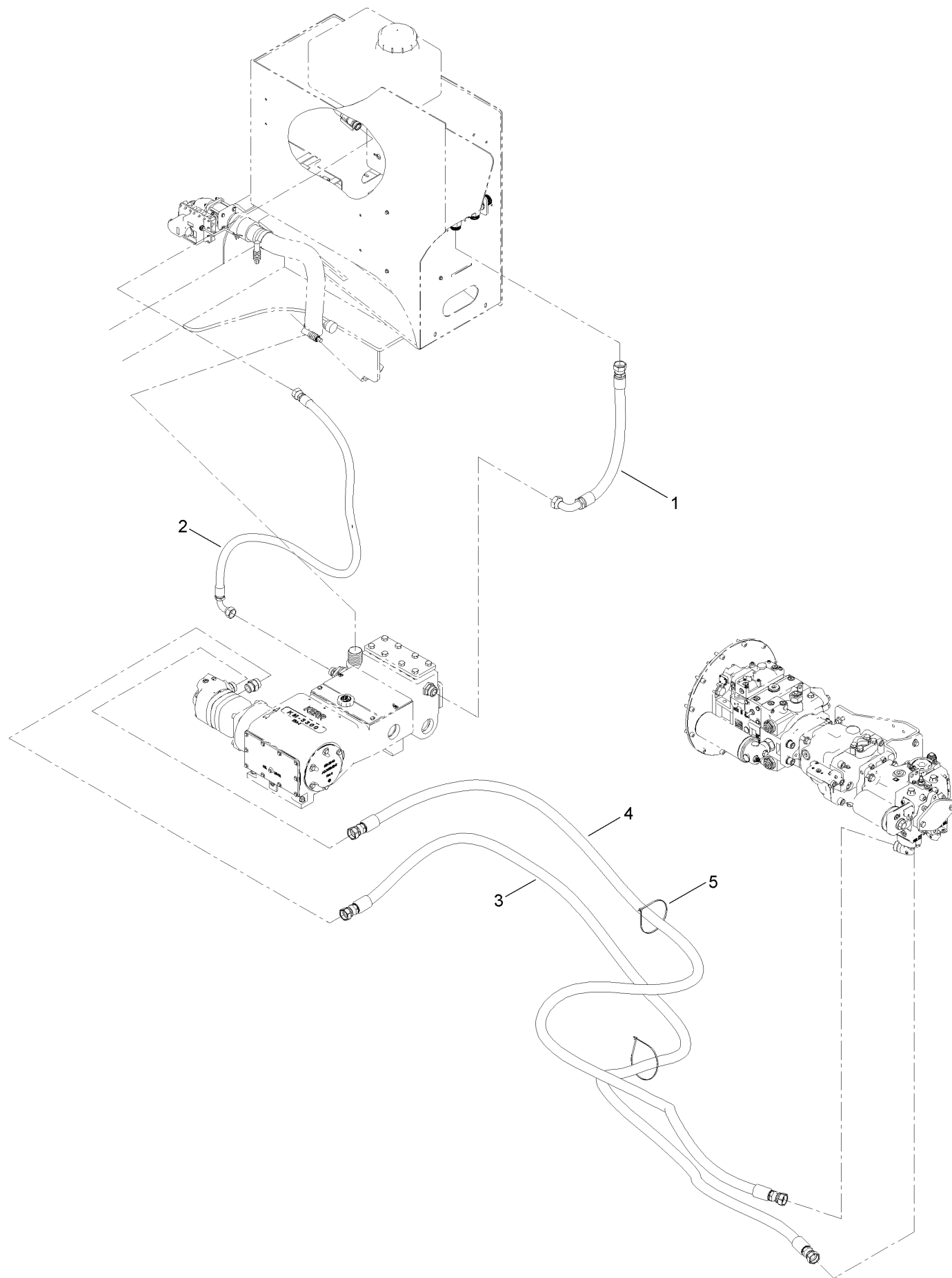
# Hydraulic Pump Hose Assembly No. 3



## Hydraulic Pump Hose Assembly No. 3 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           | AU120738           | 1           | Hose ASM-HYD       | 7           | AU126534           | 1           | Hose ASM-HYD       |
| 2           | AU120740           | 2           | Hose ASM-HYD       | 8           | AU120734           | 2           | Hose ASM-HYD       |
| 3           | AU120745           | 1           | Hose ASM-HYD       | 9           | 127-0862           | 1           | Hose ASM-HYD       |
| 4           | AU120746           | 1           | Hose ASM-HYD       | 10          | 3334-945           | 2           | Tie-Cable          |
| 5           | AU126530           | 2           | Hose ASM-HYD       | 11          | 131-9027           | 1           | Hose ASM-HYD       |
| 6           | 132-5702           | 1           | Hose ASM-HYD       | 12          | 133-9590           | 1           | Hose ASM-HYD       |

# Hydraulic Pump Hose Assembly No. 4

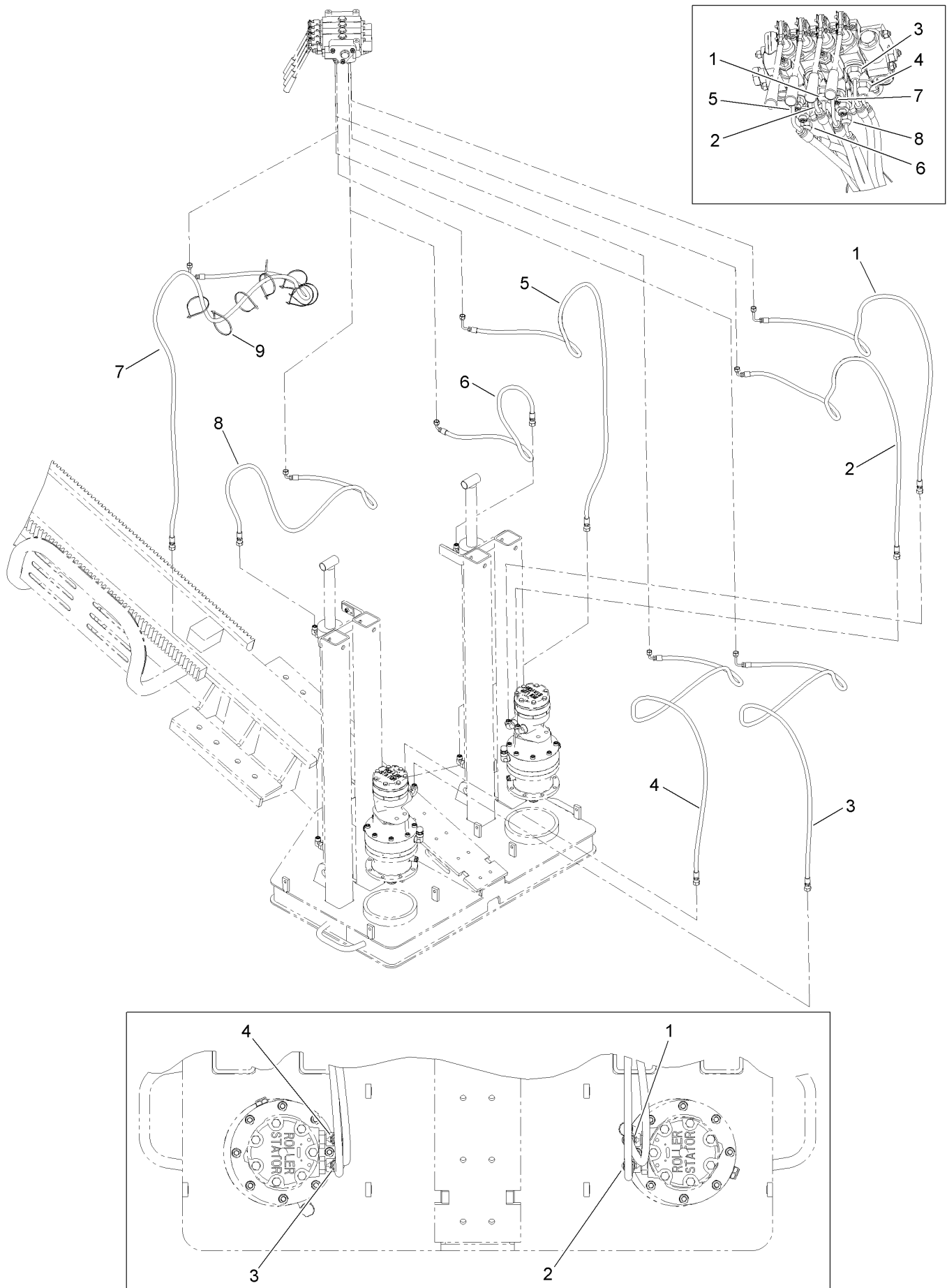


## Hydraulic Pump Hose Assembly No. 4 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU117617           | 1           | Hose ASM-HYD       |
| 2           | AU119780           | 1           | Hose ASM-HYD       |
| 3           | AU126527           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4           | AU126528           | 1           | Hose ASM-HYD       |
| 5           | 3290-379           | 2           | Tie-Cable          |

# Thrust Frame Hydraulic Hose Assembly No. 1

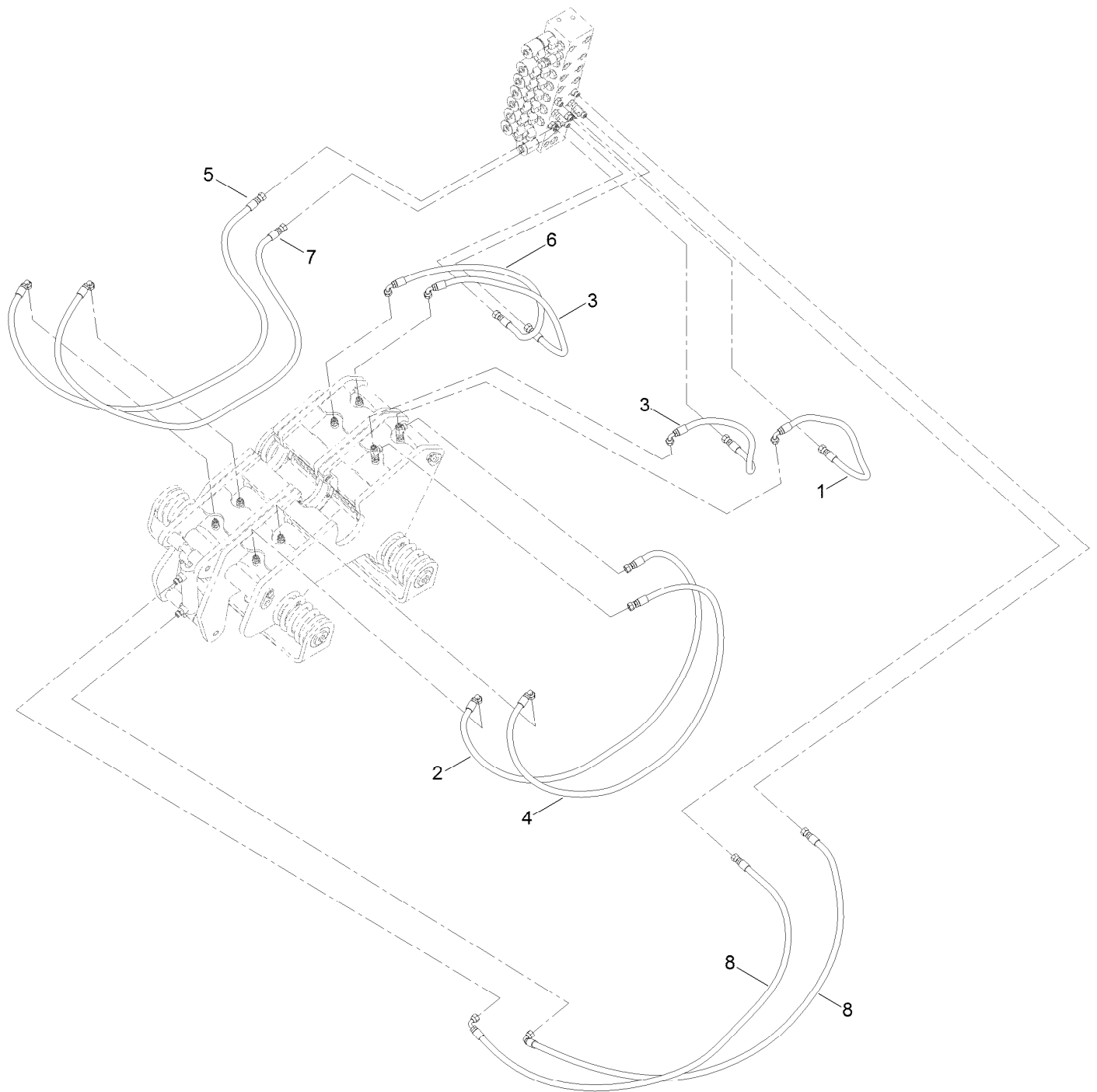


# Thrust Frame Hydraulic Hose Assembly No. 1 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU126536           | 1           | Hose ASM-HYD       |
| 2           | AU126537           | 1           | Hose ASM-HYD       |
| 3           | AU126538           | 1           | Hose ASM-HYD       |
| 4           | AU126539           | 1           | Hose ASM-HYD       |
| 5           | AU126540           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 6           | AU126541           | 1           | Hose ASM-HYD       |
| 7           | AU126542           | 1           | Hose ASM-HYD       |
| 8           | AU126543           | 1           | Hose ASM-HYD       |
| 9           | 3290-379           | 8           | Tie-Cable          |

# Thrust Frame Hydraulic Hose Assembly No. 2

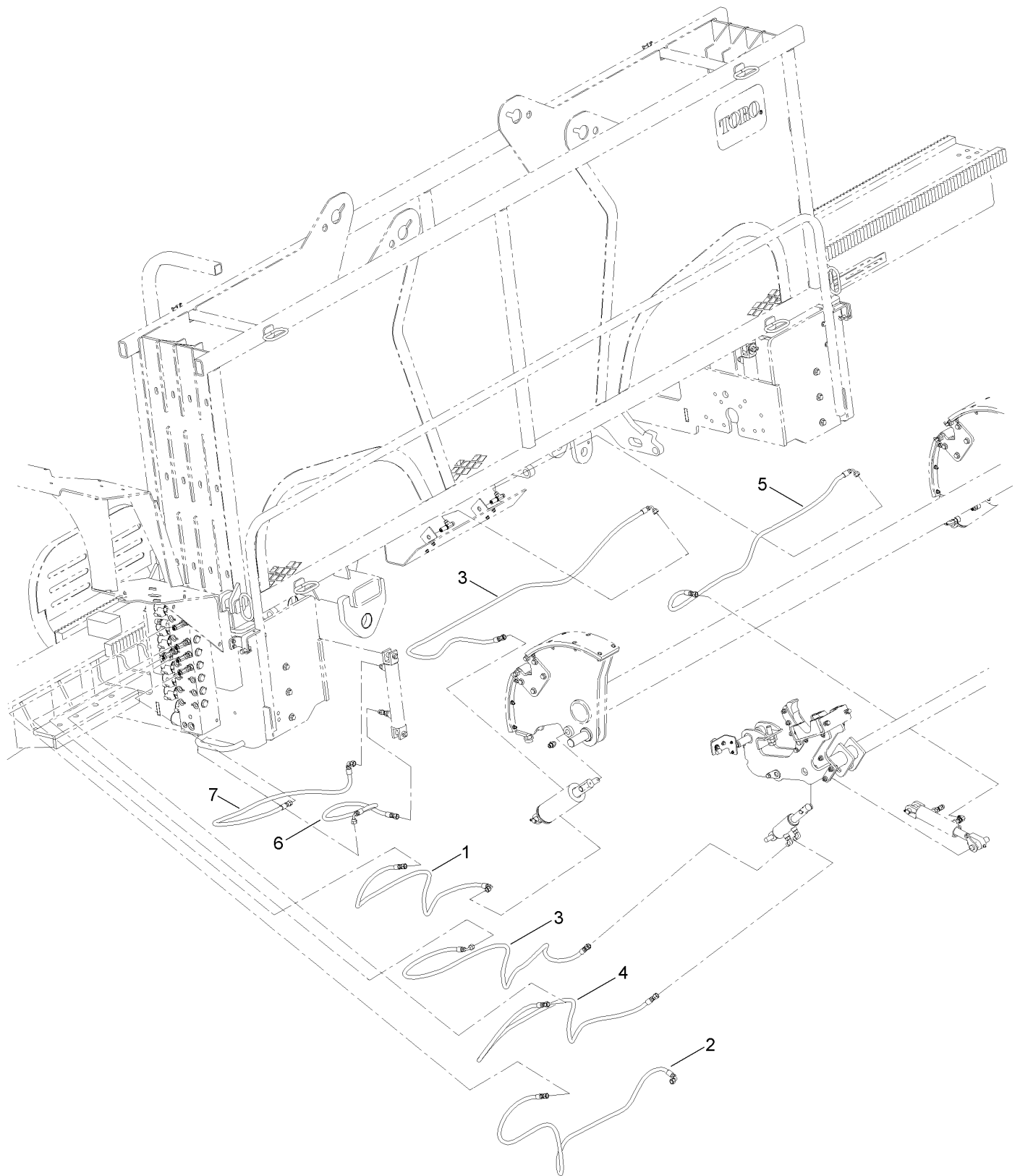


## Thrust Frame Hydraulic Hose Assembly No. 2 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 127-0858           | 1           | Hose ASM-HYD       |
| 2           | 127-0859           | 1           | Hose ASM-HYD       |
| 3           | 127-0860           | 2           | Hose ASM-HYD       |
| 4           | 127-0866           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 5           | 131-0037           | 1           | Hose ASM-HYD       |
| 6           | 127-0864           | 1           | Hose ASM-HYD       |
| 7           | 131-0036           | 1           | Hose ASM-HYD       |
| 8           | 131-0061           | 2           | Hose ASM-HYD       |

# Thrust Frame Hydraulic Hose Assembly No. 3

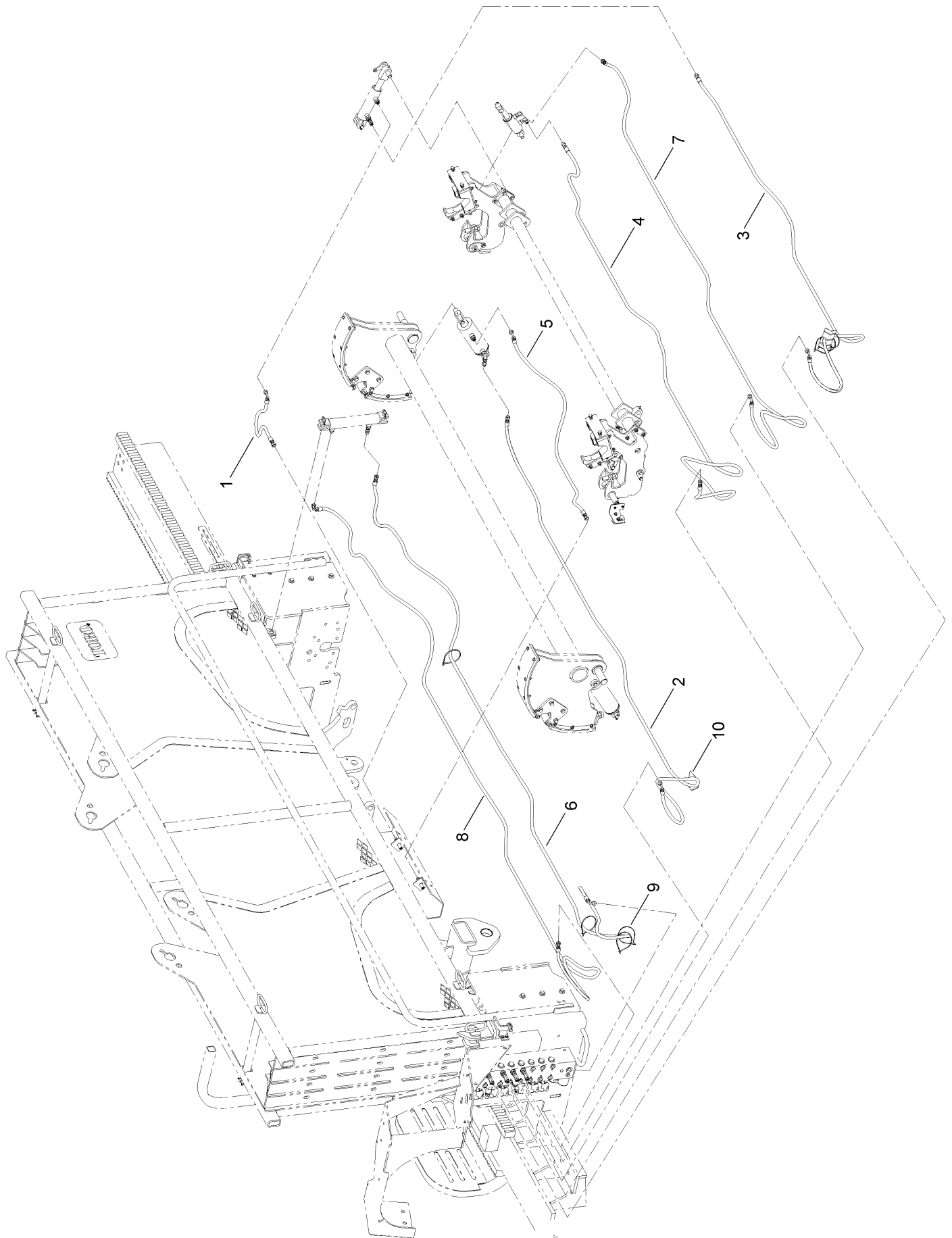


## Thrust Frame Hydraulic Hose Assembly No. 3 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU121102           | 1           | Hose ASM-HYD       |
| 2           | AU120757           | 1           | Hose ASM-HYD       |
| 3           | AU120764           | 2           | Hose ASM-HYD       |
| 4           | AU120761           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 5           | AU120732           | 1           | Hose ASM-HYD       |
| 6           | AU120765           | 1           | Hose ASM-HYD       |
| 7           | AU120769           | 1           | Hose ASM-HYD       |

# Thrust Frame Hydraulic Hose Assembly No. 4

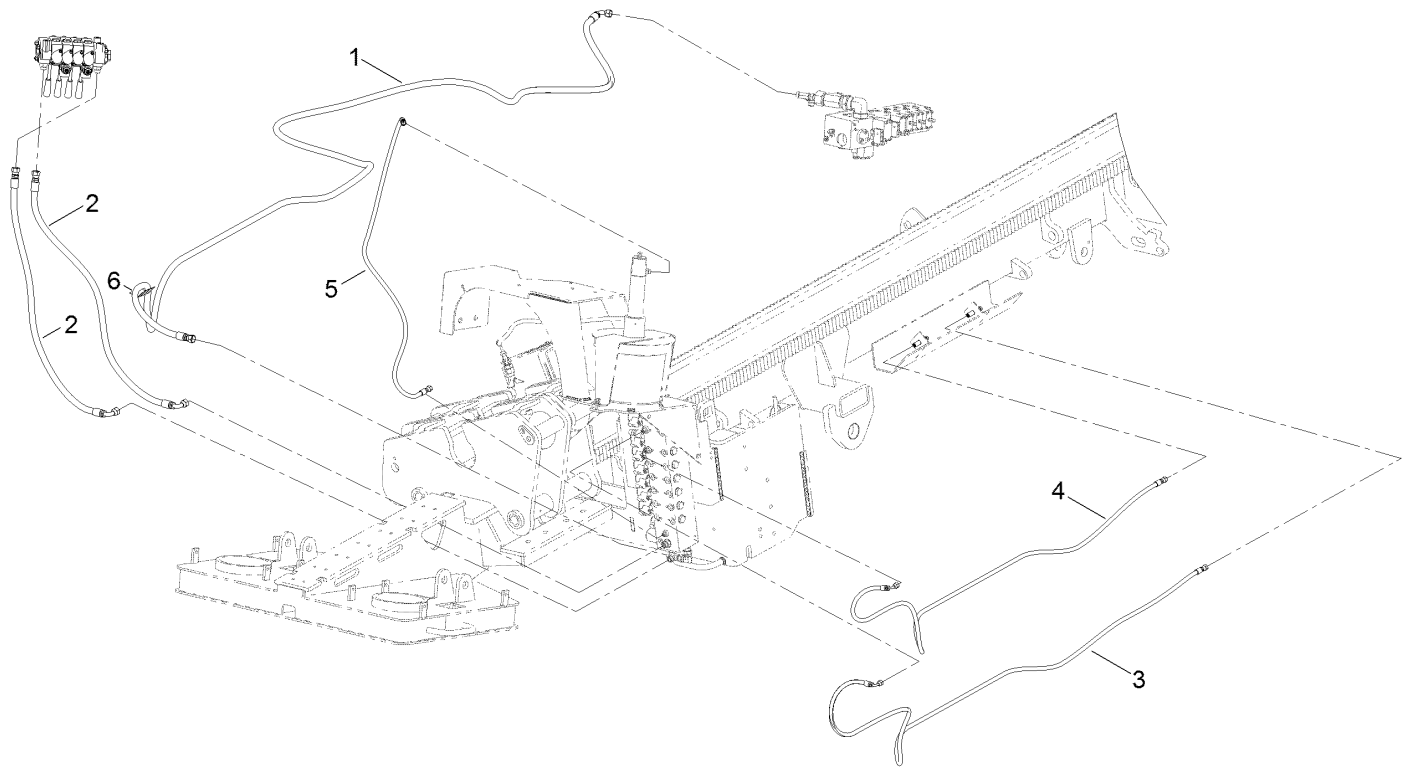


## Thrust Frame Hydraulic Hose Assembly No. 4 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU119797           | 1           | Hose ASM-HYD       |
| 2           | AU120758           | 1           | Hose ASM-HYD       |
| 3           | AU120759           | 1           | Hose ASM-HYD       |
| 4           | AU120762           | 1           | Hose ASM-HYD       |
| 5           | AU120732           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 6           | AU120766           | 1           | Hose ASM-HYD           |
| 7           | AU120767           | 1           | Hose ASM-HYD           |
| 8           | AU120768           | 1           | Hose ASM-HYD           |
| 9           | 3290-379           | 7           | Tie-Cable              |
| 10          | AU112950           | 2           | Protector-Hose, 4 Inch |

# Thrust Frame Hydraulic Hose Assembly No. 5

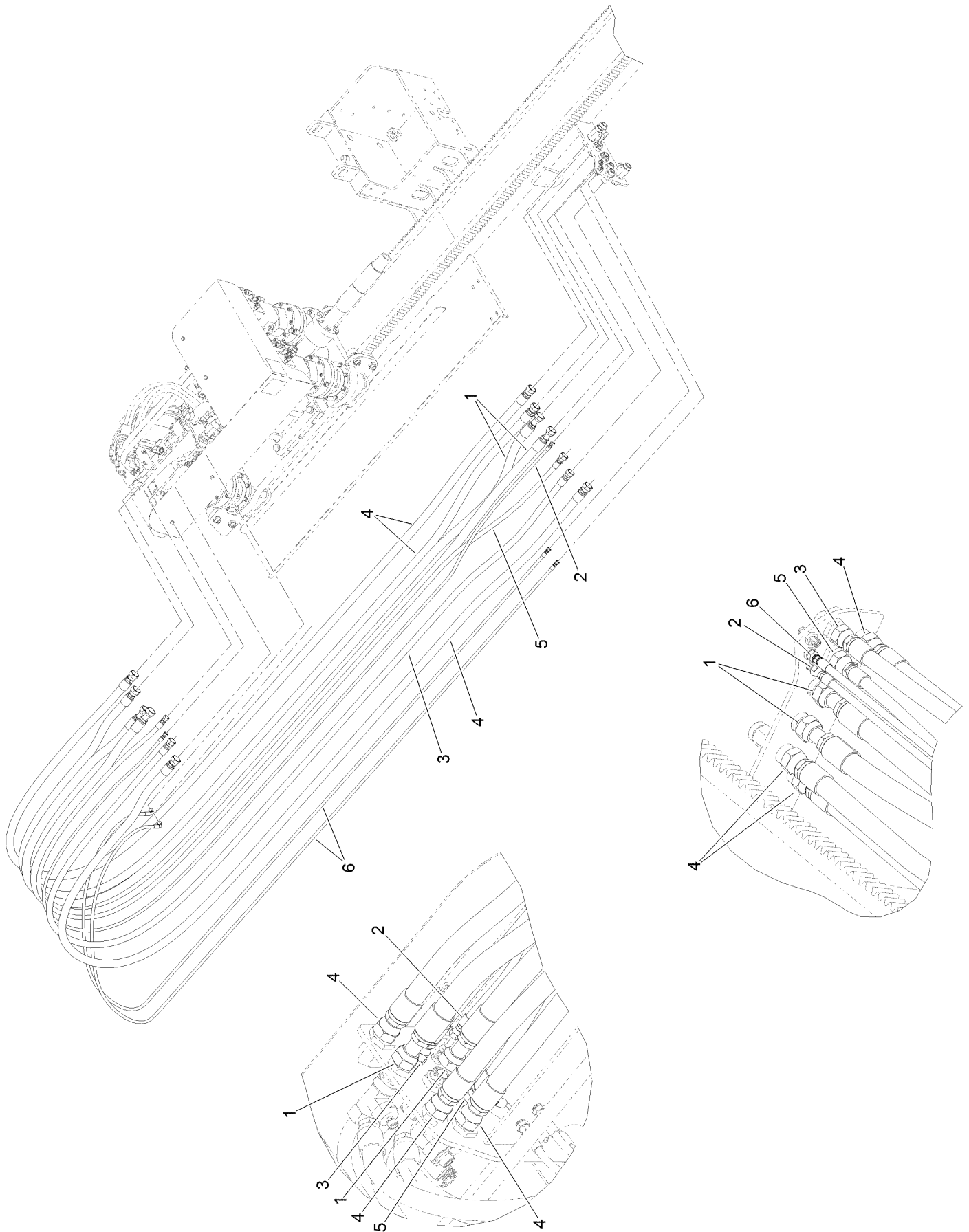


## Thrust Frame Hydraulic Hose Assembly No. 5 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU121097           | 1           | Hose ASM-HYD       |
| 2           | AU121963           | 2           | Hose ASM-HYD       |
| 3           | AU121100           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 4           | AU120763           | 1           | Hose ASM-HYD           |
| 5           | 127-0899           | 1           | Hose ASM-HYD           |
| 6           | AU112950           | 1           | Protector-Hose, 4 Inch |

# Thrust Frame Hydraulic Hose Assembly No. 6

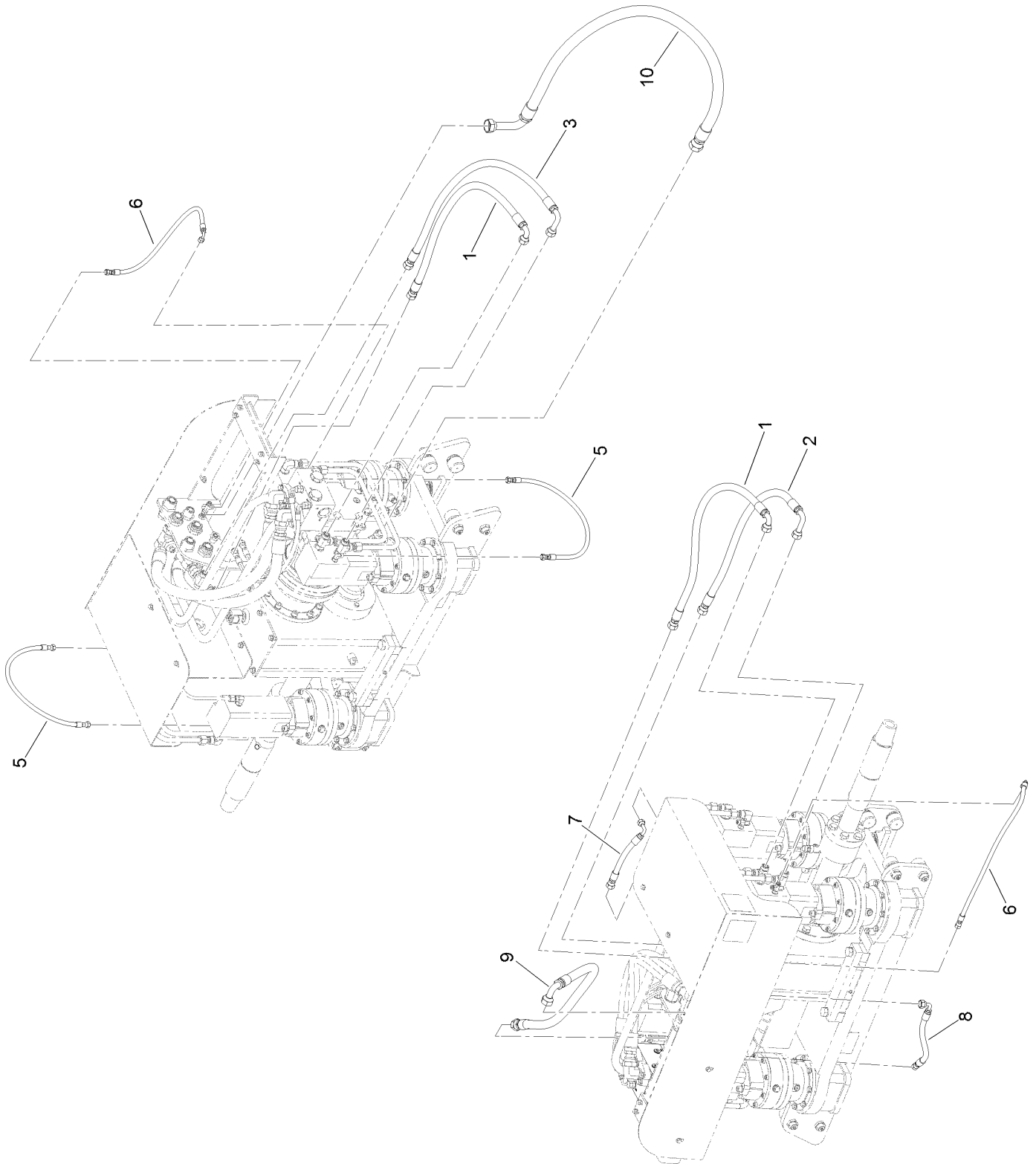


## Thrust Frame Hydraulic Hose Assembly No. 6 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU120742           | 2           | Hose ASM-HYD       |
| 2           | AU121098           | 1           | Hose ASM-HYD       |
| 3           | AU121777           | 1           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4           | AU121780           | 3           | Hose ASM-HYD       |
| 5           | 127-0861           | 1           | Hose ASM-HYD       |
| 6           | 133-9569           | 2           | Hose ASM-HYD       |

# Thrust Frame Hydraulic Hose Assembly No. 7

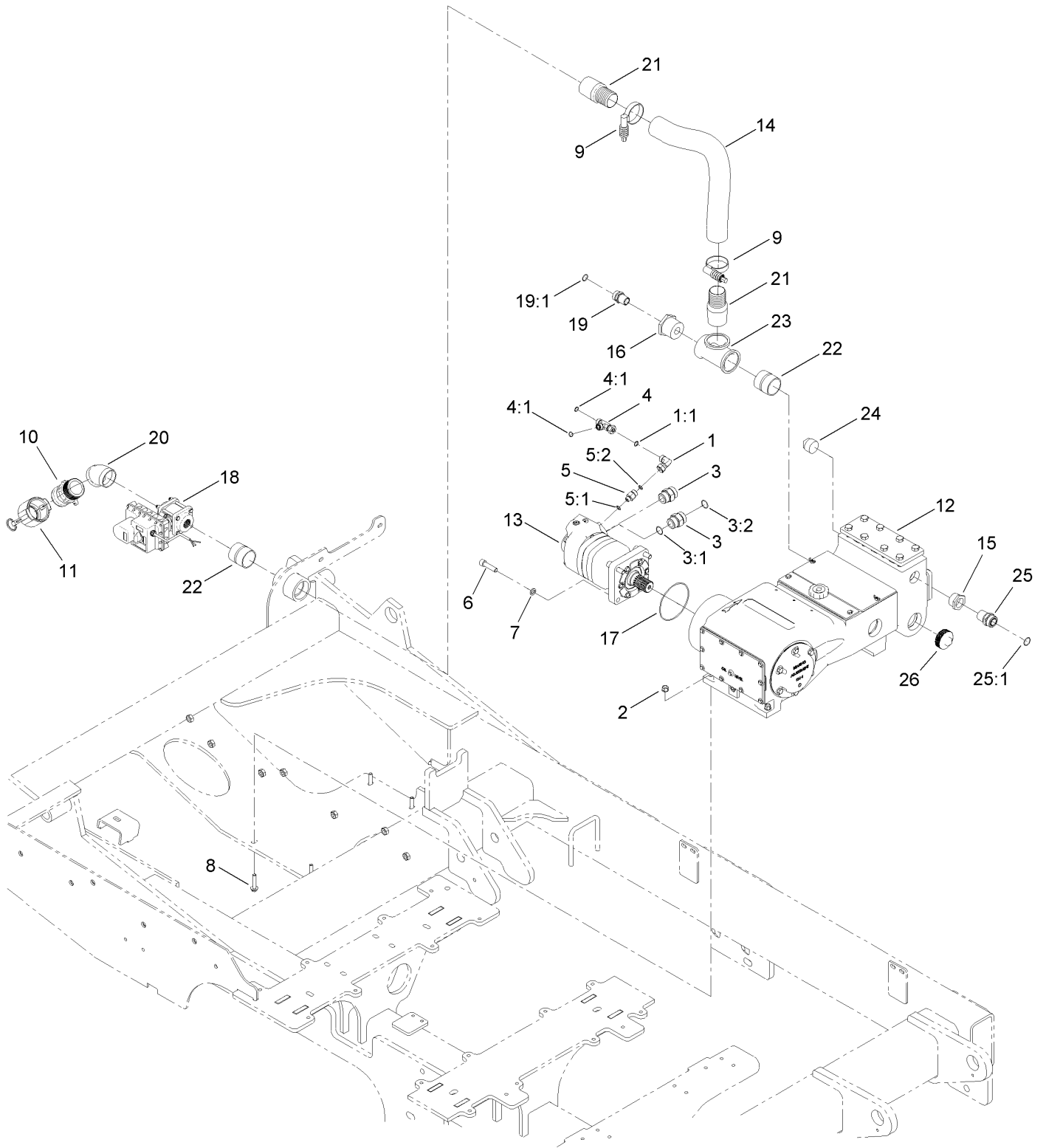


## Thrust Frame Hydraulic Hose Assembly No. 7 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU120731           | 2           | Hose ASM-HYD       |
| 2           | AU121090           | 1           | Hose ASM-HYD       |
| 3           | AU121091           | 1           | Hose ASM-HYD       |
| 5           | AU119794           | 2           | Hose ASM-HYD       |
| 6           | 127-0770           | 2           | Hose ASM-HYD       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 7           | AU120743           | 1           | Hose ASM-HYD       |
| 8           | AU120744           | 1           | Hose ASM-HYD       |
| 9           | AU126535           | 1           | Hose ASM-HYD       |
| 10          | AU121099           | 1           | Hose ASM-HYD       |

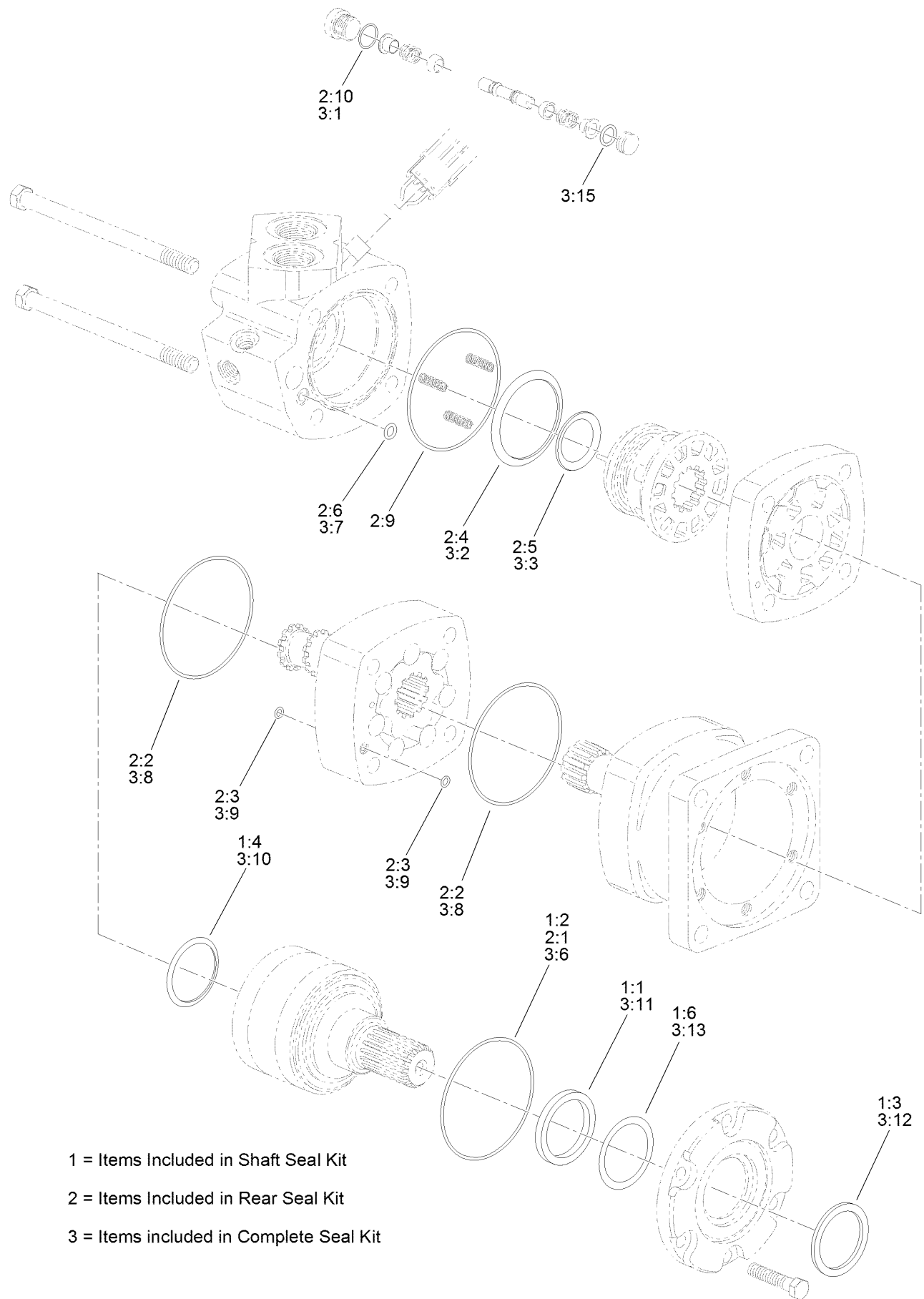
# Mud Pump Assembly



## Mud Pump Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|------------------------|-------------|--------------------|-------------|-------------------------------------|
| 1           | 94-6031            | 1           | Fitting-HYD            | 13          | AU117459           | 1           | HYD Motor ASM                       |
| 1:1         | 237-30             | 1           | O-Ring                 | 14          | AU119785           | 1           | Hose-Suction                        |
| 2           | 103-9511           | 4           | Nut-Lock, NI           | 15          | AU221-70           | 1           | Fitting-Reducer                     |
| 3           | 104-3797           | 2           | Fitting-HYD, Straight  | 16          | AU65-CI-1750       | 1           | Fitting-Reducer                     |
| 3:1         | 237-146            | 1           | O-Ring                 | 17          | AU70-9004104-158   | 1           | Seal-O Ring                         |
| 3:2         | 340-65             | 1           | O-Ring                 | 18          | AU6HV29033         | 1           | 2 Inch Ball Valve ASM<br>(Electric) |
| 4           | 340-104            | 1           | Fitting-HYD, Tee       | 19          | AU8OA11212         | 1           | Fitting-Straight                    |
| 4:1         | 237-30             | 2           | O-Ring                 | 19:1        | 237-58             | 1           | O-Ring                              |
| 5           | 340-5              | 1           | Fitting-Straight       | 20          | AU8PE15032         | 1           | Elbow-Pipe, 45 DEG                  |
| 5:1         | 237-42             | 1           | O-Ring                 | 21          | AU8PN11332         | 2           | Nipple-Combination                  |
| 5:2         | 237-30             | 1           | O-Ring                 | 22          | AU8PN23200         | 2           | Nipple-Pipe                         |
| 6           | 3274-5             | 4           | Screw-HSH              | 23          | AU8PT10032         | 1           | Tee-Pipe                            |
| 7           | 3253-7             | 4           | Washer-Lock            | 24          | 127-0977           | 1           | Plug-Square Head                    |
| 8           | 33105-050          | 4           | Screw-HHF              | 25          | AU8OA11616         | 1           | Fitting-Straight                    |
| 9           | AU110569           | 2           | Clamp-Torque, Constant | 25:1        | 340-65             | 1           | O-Ring                              |
| 10          | AU110378           | 1           | Adapter-Male           | 26          | AU8PP10032         | 1           | Plug-Pipe, Square Head              |
| 11          | AU110379           | 1           | Cap-Disconnect, Quick  |             |                    |             |                                     |
| 12          | 127-5292           | 1           | Mud Pump ASM           |             |                    |             |                                     |

# Hydraulic Motor Assembly No. AU117459



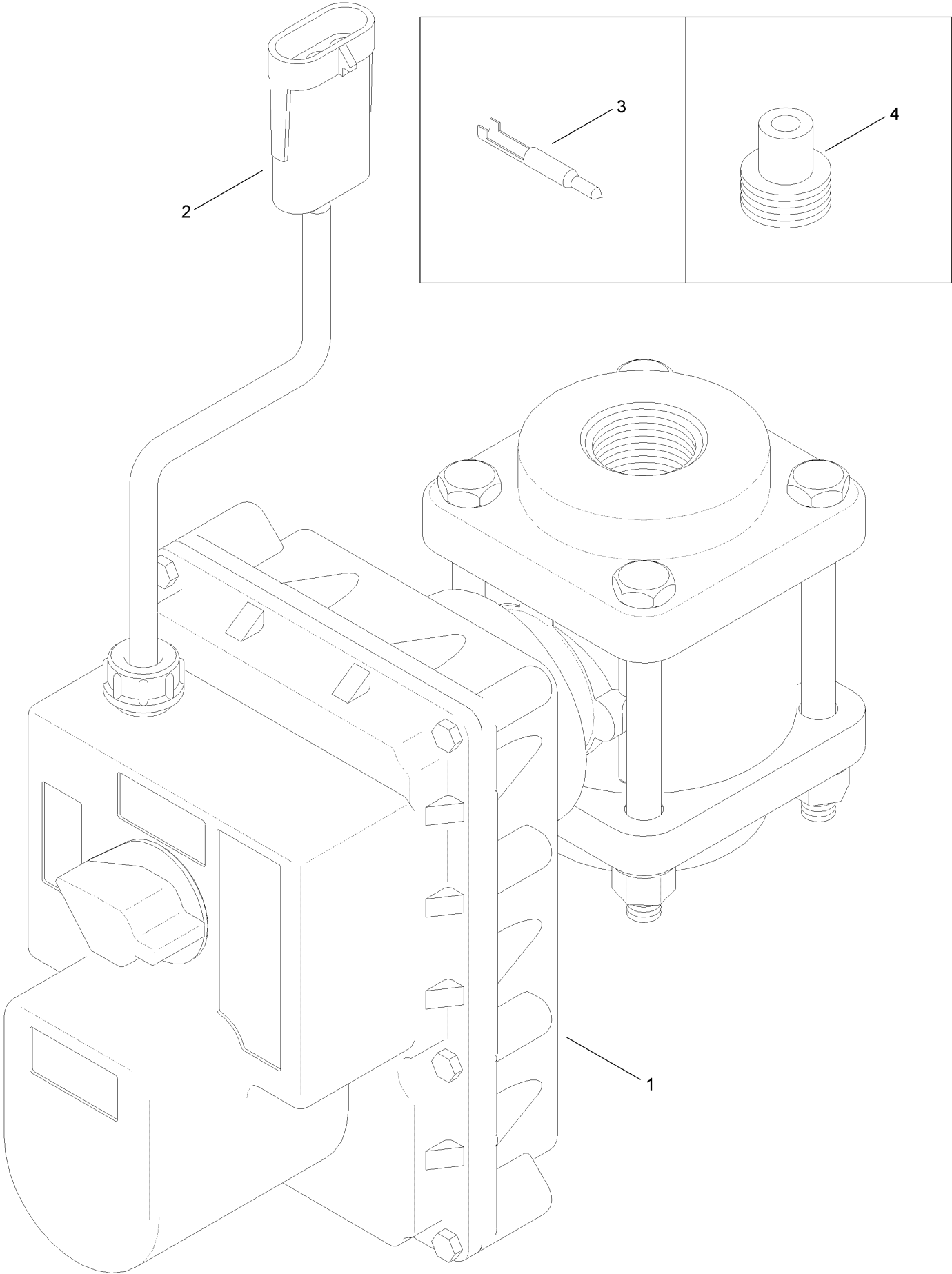
# Hydraulic Motor Assembly No. AU117459 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-3439           | 1           | Seal Kit           |
| 1:1         |                    | 1           | Seal ●             |
| 1:2         |                    | 1           | O-Ring ●           |
| 1:3         |                    | 1           | Seal-Dust ●        |
| 1:4         |                    | 1           | Seal-Face, Shaft ● |
| 1:6         |                    | 1           | Ring-Backup ●      |
| 2           | 131-3440           | 1           | Seal Kit           |
| 2:1         |                    | 1           | O-Ring ●           |
| 2:2         |                    | 2           | O-Ring ●           |
| 2:3         |                    | 2           | O-Ring ●           |
| 2:4         |                    | 1           | Seal-Face, Outer ● |
| 2:5         |                    | 1           | Seal-Face, Inner ● |
| 2:6         |                    | 1           | O-Ring ●           |
| 2:9         |                    | 1           | Seal ●             |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 2:10        | 131-3441           | 2           | O-Ring ●           |
| 3           |                    | 1           | Seal Kit           |
| 3:1         |                    | 1           | O-Ring ●           |
| 3:2         |                    | 1           | Seal-Face, Outer ● |
| 3:3         |                    | 1           | Seal-Face, Inner ● |
| 3:6         |                    | 2           | O-Ring ●           |
| 3:7         |                    | 1           | O-Ring ●           |
| 3:8         |                    | 2           | O-Ring ●           |
| 3:9         |                    | 2           | O-Ring ●           |
| 3:10        |                    | 1           | Seal-Shaft Face ●  |
| 3:11        |                    | 1           | Seal ●             |
| 3:12        |                    | 1           | Seal-Dust ●        |
| 3:13        |                    | 1           | Ring-Backup ●      |
| 3:15        |                    | 1           | O-Ring ●           |

● Not serviced separately

2 Inch Ball Valve Assembly No. AU6HV29033

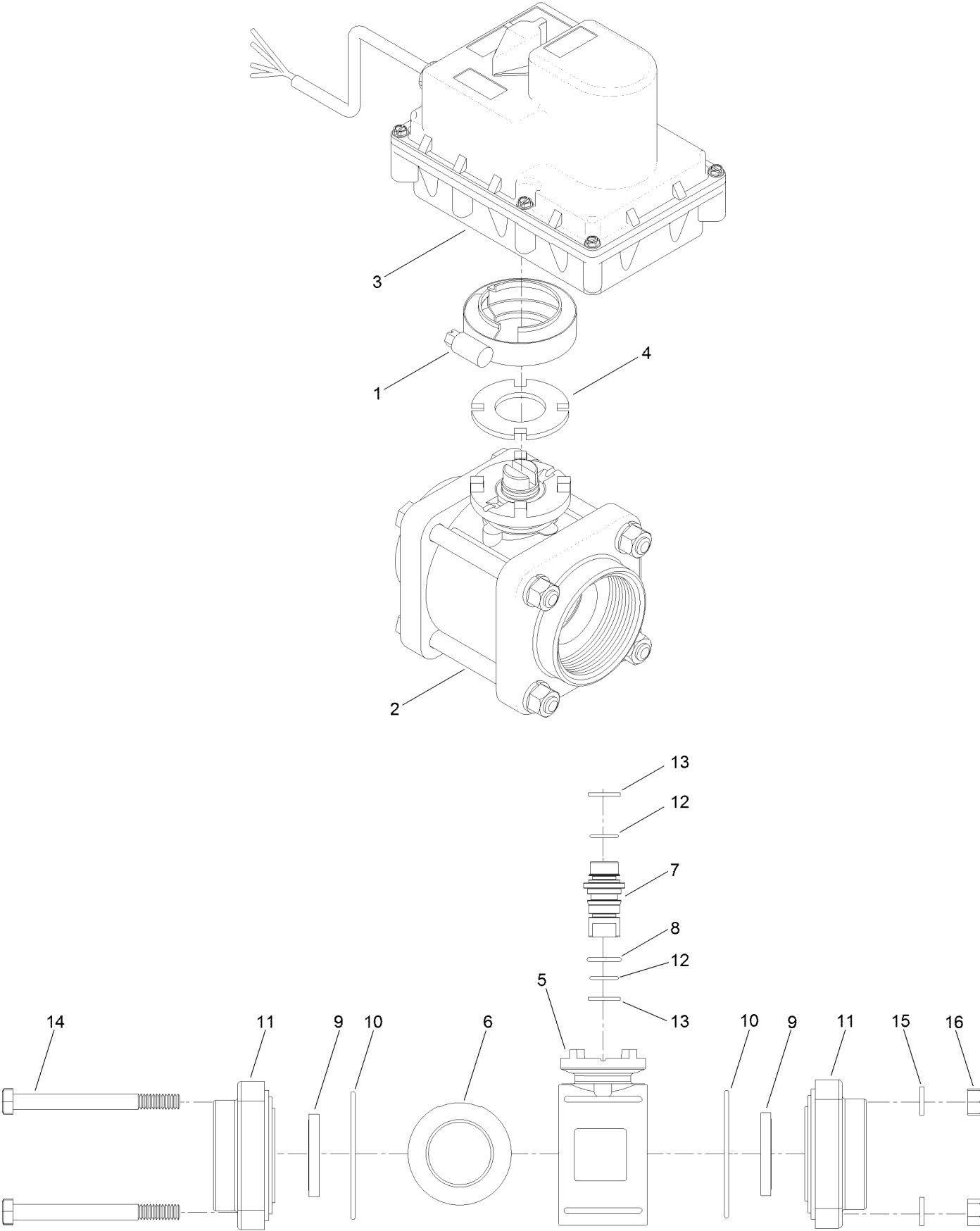


## 2 Inch Ball Valve Assembly No. AU6HV29033 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   |
|-------------|--------------------|-------------|--------------------------------------|
| 1           | AU8HV29033         | 1           | Water Shutoff Valve ASM              |
| 2           | AU8EC92203         | 1           | Connector-Male, 3-Way<br>(Body Only) |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 3           | AU8EC92302         | 3           | Terminal-Male      |
| 4           | AU8EC92502         | 3           | Seal               |

Water Shutoff Valve Assembly No. AU8HV29033

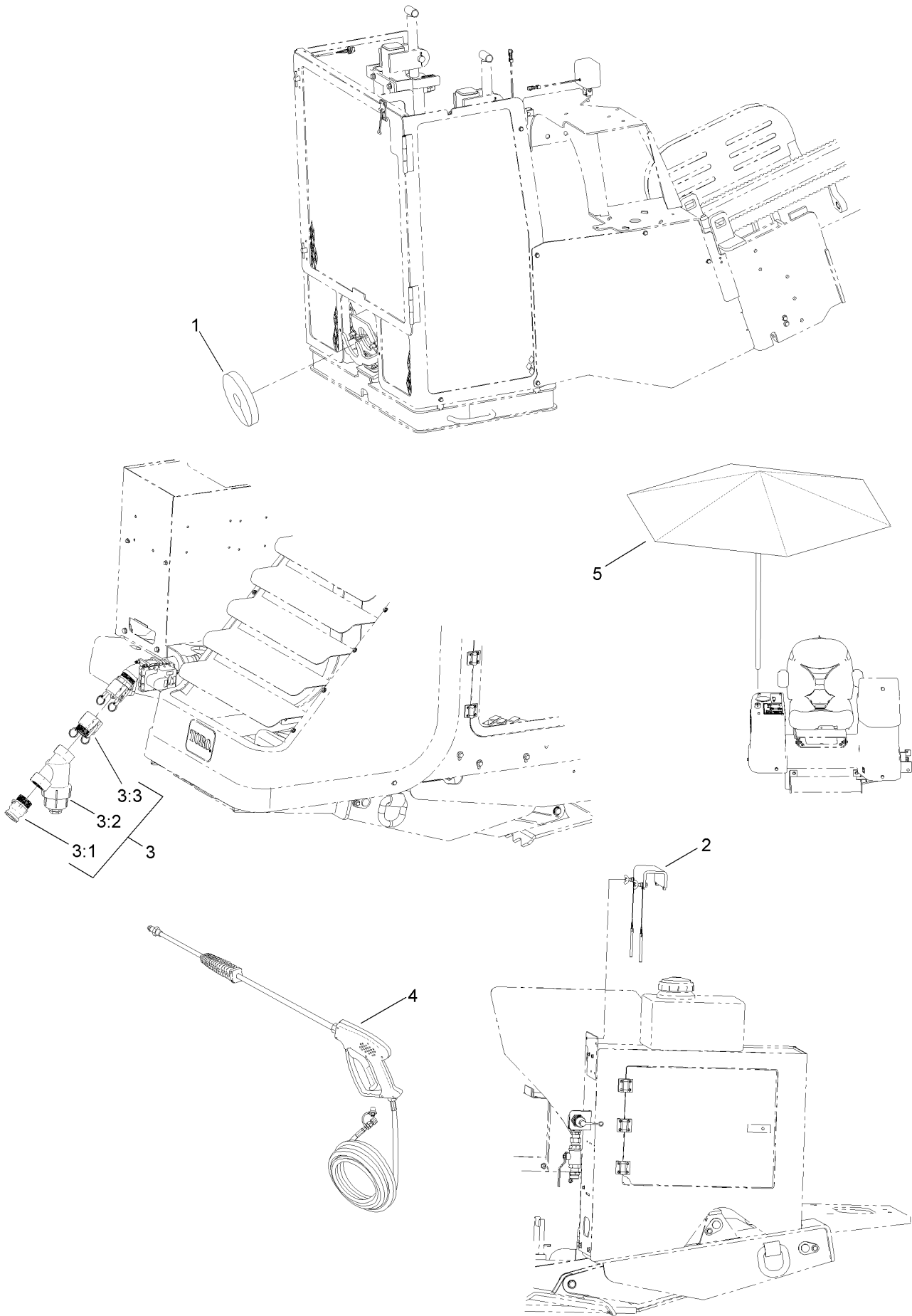


## Water Shutoff Valve Assembly No. AU8HV29033 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU114153           | 1           | Clamp-Flange       |
| 2           | AU114154           | 1           | Valve              |
| 3           | AU114155           | 1           | Motor              |
| 4           | AU114156           | 1           | Filter             |
| 5           | AU114157           | 1           | Body-Valve         |
| 6           | AU114158           | 1           | Ball-Hollow        |
| 7           | AU114159           | 1           | Stem-Valve         |
| 8           | AU114160           | 1           | O-Ring             |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 9           | AU114161           | 2           | Seat-Valve         |
| 10          | AU114162           | 2           | O-Ring             |
| 11          | AU114163           | 2           | Plate-End          |
| 12          | AU114164           | 2           | O-Ring             |
| 13          | AU114165           | 2           | Seal-Valve         |
| 14          | 98-5961            | 4           | Screw-HH           |
| 15          | 3253-21            | 4           | Washer-Lock        |
| 16          | 146211             | 4           | Nut                |

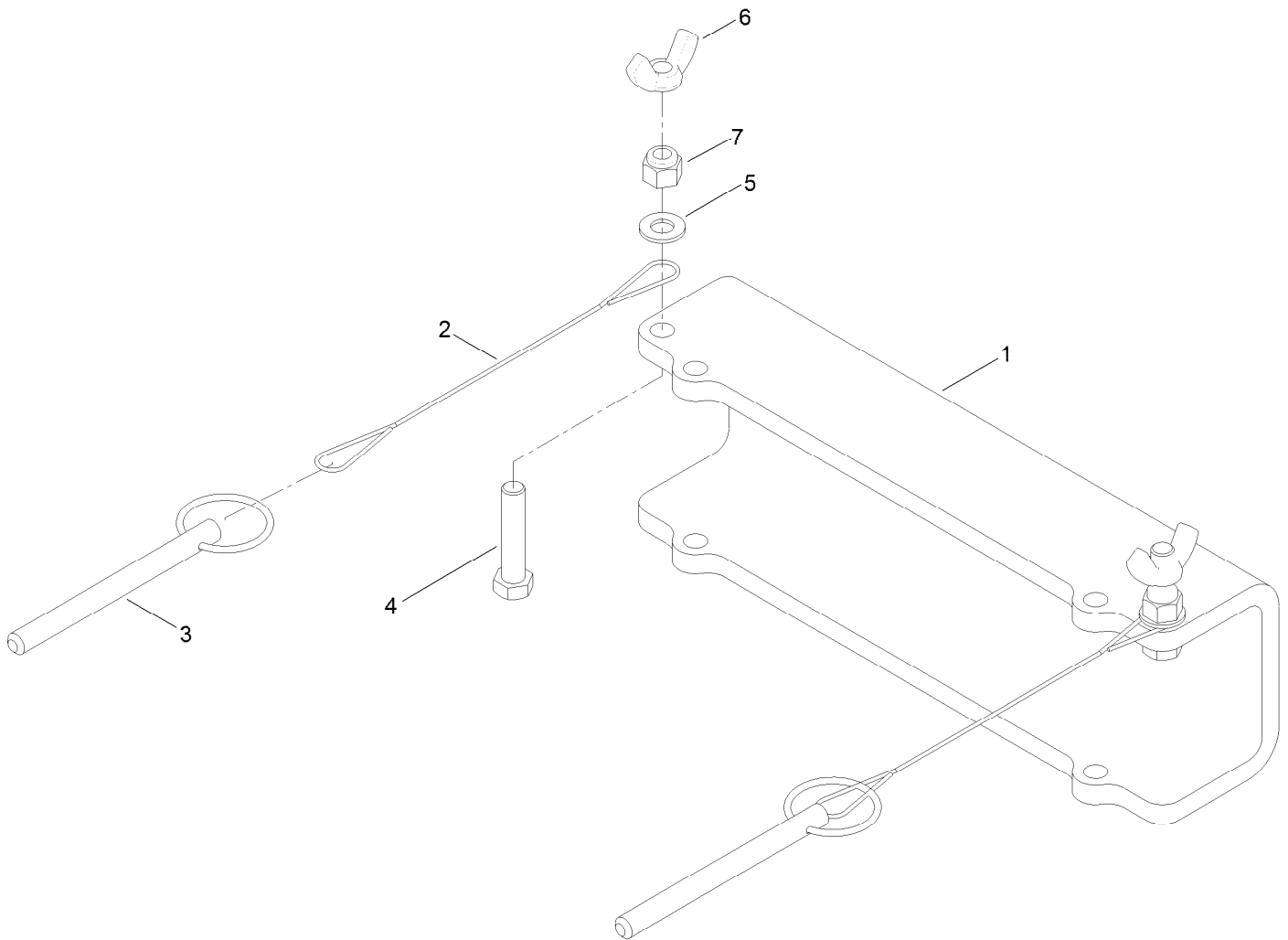
**Umbrella, Wash Down Wand, Cylinder Lockout  
Y-strainer and Split Wiper Assembly**



## Umbrella, Wash Down Wand, Cylinder Lockout Y-strainer and Split Wiper Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|------------------------------------|-------------|--------------------|-------------|---------------------------------|
| 1           | AU116192           | 1           | Wiper-Split                        | 3:3         | AU8CH21332         | 1           | Fitting-Camlok, 2 Inch (Female) |
| 2           | AU114336           | 1           | Cylinder Lockout ASM               | 4           | 127-0991           | 1           | Wash Down Wand ASM              |
| 3           | AU32GB1215         | 1           | 2 Inch Strainer Kit                | 5           | 127-5273           | 1           | Umbrella-Toro                   |
| 3:1         | AU110378           | 1           | Adapter-Male                       |             |                    |             |                                 |
| 3:2         | AU8FL10017         | 1           | Y-Strainer, 2 NPTF (6 Mesh Screen) |             |                    |             |                                 |

# Cylinder Lockout Assembly No. AU114336

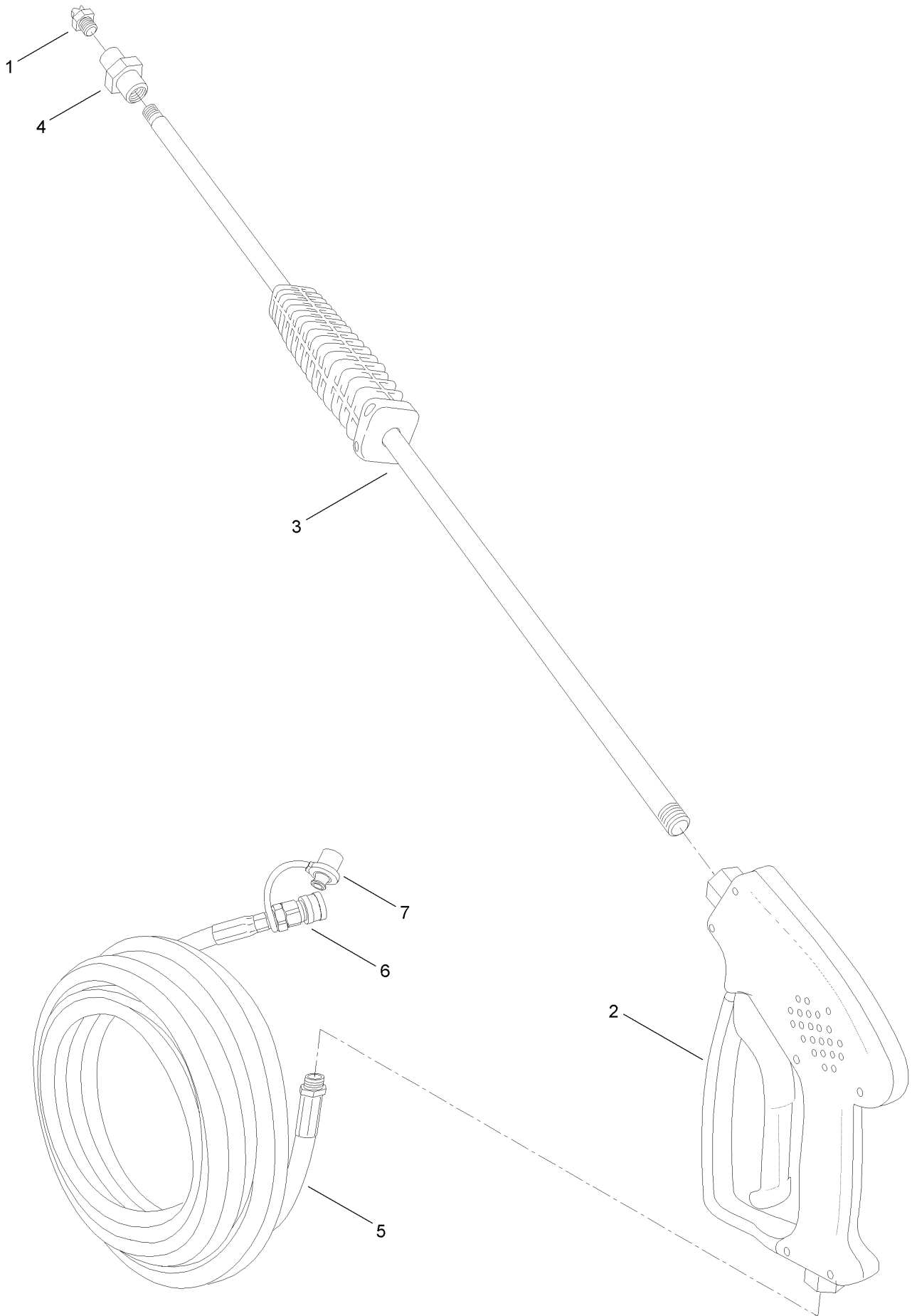


## Cylinder Lockout Assembly No. AU114336 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|-----------------------------|
| 1           | AU114332-01        | 1           | Plate-Tilt Cylinder Lockout |
| 2           | AU114334           | 2           | Lanyard-Pin Tether          |
| 3           | AU109760           | 2           | Pin-Retaining               |
| 4           | 323-53             | 2           | Screw-HH                    |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 5           | 3256-45            | 2           | Washer-Flat        |
| 6           | 1-543678           | 2           | Wingnut            |
| 7           | 3296-39            | 2           | Nut-Lock, NI       |

# Wash Down Wand Assembly No. 127-0991



## Wash Down Wand Assembly No. 127-0991 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | AU20MC8512         | 1           | Nozzle-Spray       |
| 2           | AU40MP8018         | 1           | Gun-Spray          |
| 3           | AU40MP8019         | 1           | Lance              |
| 4           | AU8PC40004         | 1           | Coupling-Pipe      |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 5           | AU126046           | 1           | Hose-HYD                 |
| 6           | AU8QD52204         | 1           | Coupler-Quick Disconnect |
| 7           | 130-4504           | 1           | Plug-Dust                |

# Attachments and Accessories

## For 23898 4050 Directional Drill

| Product Name                                          | Model/Part |
|-------------------------------------------------------|------------|
| RAM 4in Claw Bit 6 Bolt DW SH .....                   | 130-3369   |
| RAM 4in Taper Bit 6 Bolt DW SH .....                  | 130-3370   |
| RAM 3.5in HF Chisel Bit 7 Bolt .....                  | 130-3386   |
| RAM 4in Chisel Bit 6 Bolt DW .....                    | 130-3371   |
| Rock Stakes .....                                     | 23827E     |
| RAM 4in Button Bit 6 Bolt DW .....                    | 130-3372   |
| RAM 5in Steep Taper Roughneck 6 Bolt DW .....         | 130-3375   |
| Dirt Stakes .....                                     | 23829E     |
| RAM 5in Taper Bit 6 Bolt DW .....                     | 130-3377   |
| RAM 5in Button Bit 6 Bolt DW SH .....                 | 130-3378   |
| Tall Pipe Box .....                                   | 23830E     |
| RAM 6in Steep Taper Roughneck 6 Bolt DW 20mm .....    | 130-3384   |
| RAM 3.5in Claw Bit .....                              | 127-4330   |
| 52-Count Drill Pipe .....                             | 23831E     |
| Oil-15w40 (1 Quart) .....                             | 127-3244   |
| RAM 3.5in Taper Bit .....                             | 127-4331   |
| Premium Engine Oil 15w40 (5 Gallon Pail) .....        | 121-6395   |
| RAM 3.5in Button Bit .....                            | 127-4334   |
| Air Hammer Adapter Kit .....                          | 23832E     |
| RAM 4in Claw Bit .....                                | 127-4306   |
| RAM 4in Taper Bit .....                               | 127-4307   |
| RAM 4in Cutter Bit .....                              | 127-4308   |
| RAM 4in Button Bit .....                              | 127-4310   |
| Premium Heavy Duty All Season Gear Lube (Quart) ..... | 108-1591   |
| RAM 5in Claw Bit .....                                | 127-4312   |
| RAM 5in Taper Bit .....                               | 127-4313   |
| RAM 5in Button Bit .....                              | 127-4316   |
| Ram 5in Steep Taper Roughneck 7 Bolt .....            | 130-3389   |
| Summer Oil-Case of 24 (20oz Bottles) .....            | 38916      |
| Oil (20oz Bottle) .....                               | 105-8562   |
| Cable Transmitter Removal Tool .....                  | 127-4625   |
| Premium Engine Oil SAE 30 (Drum) .....                | 108-1196   |
| Cable/SST Transmitters Wire Kit .....                 | 127-4626   |
| Premium Engine Oil SAE 30 (Pail) .....                | 108-1197   |
| Rock Bit 3.5in Standard .....                         | 127-4422   |
| F Series Lithium-Ion Battery Pack .....               | 127-4627   |
| Rock Bit - 3.75in Aggressive .....                    | 127-4423   |
| F Series Receiver Case .....                          | 127-4628   |
| Sonde Housing - 3.5in Rotolock .....                  | 127-4421   |
| F Series System Case .....                            | 127-4629   |
| Direct Bore 1 - 4.25in, 2.375in API Pin .....         | 127-4322   |
| 13in Antenna .....                                    | 127-4630   |
| Direct Bore 1 - 4.25in, 2.375in API Pin .....         | 127-4323   |
| F Series Lithium-Ion Battery Charger .....            | 127-4631   |
| Direct Bore Housing - 2.375in API Box .....           | 127-4319   |
| F Series U.S. Battery Charger Cord Kit .....          | 127-4632   |

## Attachments and Accessories (continued)

|                                                  |          |
|--------------------------------------------------|----------|
| Sonde Housing - 3.5in Endurance .....            | 127-4416 |
| Battery Charger Cord Kit - F Series U.K. ....    | 127-4633 |
| Sonde Housing - 3.5in .....                      | 127-4302 |
| Battery Charger Cord Kit - F Series I.N. ....    | 127-4634 |
| Rotolock Box - 2.5in Ramon Pin .....             | 127-4303 |
| Battery Charger Cord Kit - F Series A.U. ....    | 127-4635 |
| 1LR 2.5in Ramon Box 2.375 FSII Box.....          | 127-4300 |
| Battery Charger Cord Kit - F Series CHI.....     | 127-4636 |
| ID Collar - 4.25in OD, 3in Hex.....              | 127-4301 |
| LWD Flashdrive Assembly .....                    | 127-4637 |
| ID Collar - 4.25in OD, 3in Hex.....              | 127-4318 |
| LWD Bluetooth.....                               | 127-4638 |
| MFD/FSD Whip Antenna .....                       | 127-4639 |
| Whip Antenna - Russia .....                      | 127-4640 |
| RP for 3.5in and 3.75in Rock Bit - Hard.....     | 127-4377 |
| Tensitrak Carry Case .....                       | 127-4641 |
| RP for 3.5in and 3.75in Rock Bit - General.....  | 127-4374 |
| MFD/FSD DC Cable Assembly.....                   | 127-4642 |
| RP 1555/1554 EXTream Teeth w/Round Point.....    | 127-4413 |
| Steering Tool Carry Case.....                    | 127-4643 |
| Cable Transmitter Box w/Cable - MFD/FSD.....     | 127-4644 |
| LWD Flashdrive and USB Bluetooth Adaptor .....   | 127-4645 |
| LWD Flashdrive Assembly - SST/TT .....           | 127-4646 |
| Spot Extended Range Probe .....                  | 127-4647 |
| Supercell Lithium Battery .....                  | 127-4648 |
| DDS12 F Series/SE/Eclipse/LT 12 KHZ.....         | 127-4649 |
| DDT12 F Series/SE/Eclipse/LT 12 KHZ .....        | 127-4650 |
| DEC TRAK - 0.375in End Cap .....                 | 127-4651 |
| DUC TRAK - 0.3125in End Cap .....                | 127-4652 |
| 25 Ton Pulling Eye .....                         | 127-4349 |
| Water Nozzle - 2 Hole .....                      | 127-4363 |
| DUC TRAK 12mm Metric End Cap .....               | 127-4653 |
| Front Coupler.....                               | 127-4350 |
| Water Nozzle - 1 Hole .....                      | 127-4364 |
| DUC TRAK Pulling Eye End Cap .....               | 127-4654 |
| Pullback Swivel (45,000 Lbs).....                | 127-4351 |
| HDT Transmitter End Cap .....                    | 127-4655 |
| Clay Reamer - 10in .....                         | 127-4339 |
| C Cell Transmitter Contact Spring.....           | 127-4656 |
| Premium All Purpose Grease (Tube) .....          | 108-1190 |
| Clay Reamer - 12in .....                         | 127-4340 |
| Standard Transmitter Battery End Cap .....       | 127-4657 |
| Clay Reamer - 16in .....                         | 127-4341 |
| Double D-Link 26mm, 48k x 4x D-Ring TT5 .....    | 127-4658 |
| O-Ring 0.75x0.125, 2.75in and 3in Rock Bits..... | 130-3150 |
| Fluted Reamer - 8in .....                        | 127-4342 |
| D Cell Adapter x3 to Supercell for TT .....      | 127-4659 |
| SHCS 0.375-16x0.25in Pellet Water Nozzle .....   | 130-3164 |
| Fluted Reamer - 10in .....                       | 127-4343 |

## Attachments and Accessories (continued)

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| Battery Pack 3x D-Cell for TT5 .....                            | 127-4660 |
| SHCS 0.375-16x0.75 Pellet Housing Door .....                    | 130-3165 |
| Fluted Reamer - 12in .....                                      | 127-4344 |
| NIMH S Series Battery Charger U.S. Cord K .....                 | 127-4661 |
| Fluted Reamer - 14in .....                                      | 127-4345 |
| DIGITRAK NiCad Battery Pack.....                                | 127-4662 |
| SHCS 0.50-13x1.25in Pellet 3.5in Bit1 DBK .....                 | 130-3169 |
| Wing Reamer - 12in .....                                        | 127-4346 |
| NIMH S Series Nickel Battery Pack .....                         | 127-4663 |
| Stake Down Guards.....                                          | 23807E   |
| Wing Reamer - 14in .....                                        | 127-4347 |
| Sonde Block Set Subsite 86B/BH .....                            | 127-4366 |
| Sonde Block Set, Dual Block .....                               | 127-4304 |
| Wing Reamer - 16in .....                                        | 127-4348 |
| Short Rod Box .....                                             | 23809E   |
| DCI Falcon F5 System w/FCD and Receiver .....                   | 23908    |
| SB (Set) 1860/1850 Radiodetect .....                            | 130-3120 |
| DCI Falcon F5 System w/Aurora 8 Inch and Receiver.....          | 23909    |
| SB (Set) 1860/1850 McLaughlin .....                             | 130-3121 |
| DCI Falcon F5 System w/Aurora 10.4 Inch and Receiver.....       | 23910    |
| Sonde Block Set Subsite (DW 850, BV2) .....                     | 127-4369 |
| DCI Falcon F5 Extended Range Transmitter w/Fluid Pressure ..... | 23911    |
| Paddle Bit - 4in Sharp Shooter, 3in SAH w/hole .....            | 127-4398 |
| DCI Falcon F5 Transmitter w/Fluid Pressure .....                | 23912    |
| DCI Aurora 8 Inch Touchscreen Display Kit .....                 | 23913    |
| Paddle Bit - 4in Button Bit, 3in SH w/hole.....                 | 127-4407 |
| Dirt Stakes .....                                               | 23814E   |
| DCI Falcon Compact Display Kit.....                             | 23914    |
| DCI Falcon F5 Receiver.....                                     | 23915    |
| Rock Stakes .....                                               | 23815E   |
| DCI Falcon F2 System w/FCD and Receiver .....                   | 23916    |
| ZapAlert Ground Stake Relocation Kit .....                      | 131-9019 |
| DCI Falcon F2 System w/Aurora 8 Inch and Receiver.....          | 23917    |
| DCI F2 Falcon W Aurora and 15in Transmitter.....                | 23905    |
| DCI Falcon F2 System w/Aurora 10.4 Inch and Receiver.....       | 23918    |
| DCI F2 Falcon 15in Transmitter .....                            | 23906    |
| DCI Falcon F2 Receiver.....                                     | 23919    |
| F Series Battery Charger 12v Cord .....                         | 127-4664 |
| DB 5in Steep Taper Roughneck - 3.5in SH .....                   | 130-3009 |
| DCI F2 Falcon 2 CRD and F2 Tranmitter .....                     | 23907    |
| Paddle Bit - 3.5in Sharp Shooter, 3in w/hole .....              | 127-4397 |
| Paddle Bit - 3.5in Iron Claw, 3in SH w/hole .....               | 127-4401 |
| Paddle Bit - 3.5in Button Bit, 3in SH w/hole .....              | 127-4406 |
| Paddle Bit - 4in Sharp Shooter, 3.5in SH w/hole .....           | 127-4399 |
| Paddle Bit - 4in Iron Claw 3.5in SH w/hole .....                | 127-4403 |
| Paddle Bit - 4in Button Bit, 3.5in SH w/hole.....               | 127-4408 |
| Paddle Bit - 4in Iron Claw, 3in SH w/hole .....                 | 127-4402 |
| Paddle Bit - 5in Sharp Shooter 3.5in w/hole .....               | 127-4400 |
| Paddle Bit - 5in Button Bit, 3.5in SH w/hole.....               | 127-4409 |

## Attachments and Accessories (continued)

|                                                          |          |
|----------------------------------------------------------|----------|
| DB 5in Sharp Shooter - 4.125in SH w/hole .....           | 130-3011 |
| DB 5in Iron Claw - 4.125in SH w/hole .....               | 130-3015 |
| DB 5in Button Bit - 4.125in SH w/hole .....              | 130-3017 |
| DB 6in Sharp Shooter - 4.125in SH w/hole .....           | 130-3019 |
| DB 6in Iron Claw - 4.125in SH w/hole .....               | 130-3023 |
| DB 6in Button Bit - 4.125in SH w/hole .....              | 130-3025 |
| RAM 3.5in Claw Bit 5 Bolt DW .....                       | 130-3355 |
| RAM 3.5in Taper Bit 5 Bolt DW .....                      | 130-3356 |
| RAM 3.5in Chisel Bit 5 Bolt DW .....                     | 130-3357 |
| RAM 3.5in Button Bit 5 Bolt DW .....                     | 130-3358 |
| Premium All Season Gear Lube (Quart) .....               | 108-1590 |
| RAM 3.5in Steep Taper Roughneck 5 Bolt DW .....          | 130-3359 |
| RAM 4in Steep Taper Roughneck 5 Bolt DW .....            | 130-3360 |
| Premium All Season Hydraulic Fluid (5 Gallon Pail) ..... | 108-1178 |
| RAM 4in Claw Bit 5 Bolt DW SH .....                      | 130-3361 |
| RAM 4in Taper Bit 5 Bolt DW SH .....                     | 130-3362 |
| RAM 4in Button Bit 5 Bolt DW SH .....                    | 130-3363 |
| RAM 5in Steep Taper Roughneck 5 Bolt DW .....            | 130-3367 |

**Notes:**

**Notes:**



**Count on it.**