Form No. 3433-479 Rev D

TORO®

Count on it.

Parts Catalog

# Groundsmaster® 3300

## All-Wheel Drive Traction Unit

**Model No. 31907—Serial No. 400000000 and Up**

Register at www.Toro.com.
Original Instructions (EN)

*3433-479* D

# Ordering Replacement Parts

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

**Understanding Reference Numbers**

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

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

**Service Assembly Reference Numbers**

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

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

**Reference Numbers Indicating Quantity**

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

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

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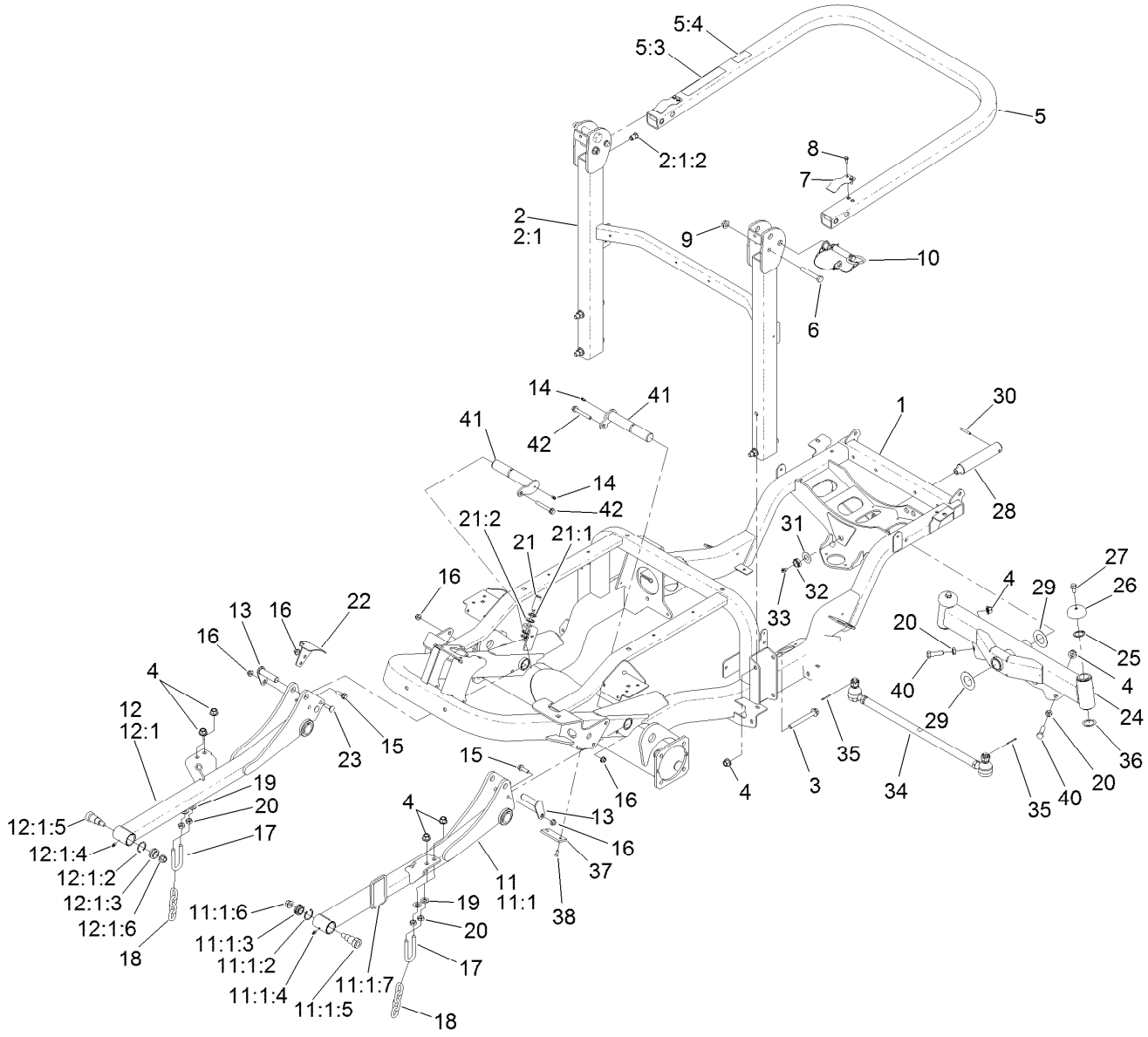
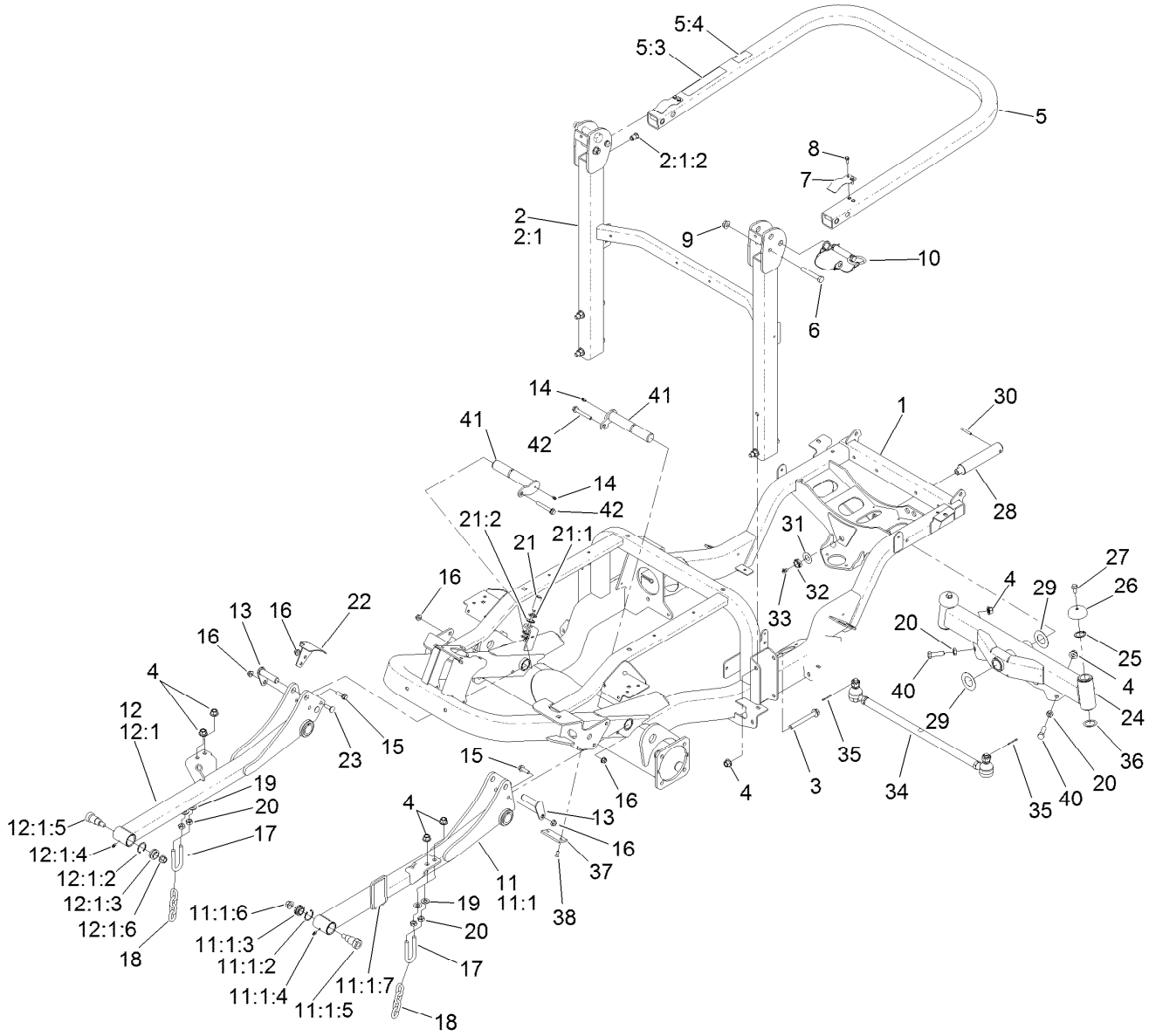



# Frame and Roll-Over Protection System Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 133-6450SP | 1 | Frame ASM |
| 2 | 139-6254SP | 1 | ROPS ASM, Lower |
| 2:1 | | 1 | ROPS ASM, Lower ● |
| 2:1:2 | 138-2760 | 4 | Nut-Clinch, Hex |
| 3 | 117-3176 | 4 | Screw-HHF |
| 4 | 99-5107 | 10 | Nut-Lock |
| 5 | 138-7470 | 1 | ROPS ASM, Upper |
| 5:3 | 108-2073 | 1 | Decal-Warning |
| 5:4 | 139-6244 | 1 | Decal-ROPS Compliance |
| 6 | 325-13 | 2 | Screw-HH |
| 7 | 110-5696 | 2 | Spring-Leaf |
| 8 | 32105-15 | 4 | Screw-HWH |
| 9 | 32128-23 | 2 | Nut-HF |
| 10 | 103-4553 | 2 | Pin-Fold, ROPS |
| 11 | 138-7419SP | 1 | LH Lift Arm ASM |
| 11:1 | | 1 | LH Lift Arm ASM ● |
| 11:1:2 | 32151-34 | 1 | Ring-Retaining |
| 11:1:3 | 105-7441 | 1 | Bearing-Spherical |
| 11:1:4 | 302-5 | 1 | Fitting-Grease |
| 11:1:5 | 139-0910 | 1 | Bolt-Shoulder |
| 11:1:6 | 99-5107 | 1 | Nut-Lock |
| 11:1:7 | 139-0948 | 1 | Pad-Ride, Pin |
| 12 | 138-7429SP | 1 | RH Lift Arm ASM |
| 12:1 | | 1 | RH Lift Arm ASM ● |
| 12:1:2 | 32151-34 | 1 | Ring-Retaining |
| 12:1:3 | 105-7441 | 1 | Bearing-Spherical |
| 12:1:4 | 302-5 | 1 | Fitting-Grease |
| 12:1:5 | 139-0910 | 1 | Bolt-Shoulder |
| 12:1:6 | 99-5107 | 1 | Nut-Lock |
| 13 | 138-7489 | 2 | Pin (Machined) |
| 14 | 302-5 | 2 | Fitting-Grease |
| 15 | 119-4061 | 2 | Screw-HHF |
| 16 | 104-8301 | 6 | Nut-HF, NI |
| 17 | 104-0108 | 2 | U-Bolt |
| 18 | 95-6231 | 2 | Chain-HOC |
| 19 | 3256-26 | 4 | Washer-Flat |

● Not serviced separately

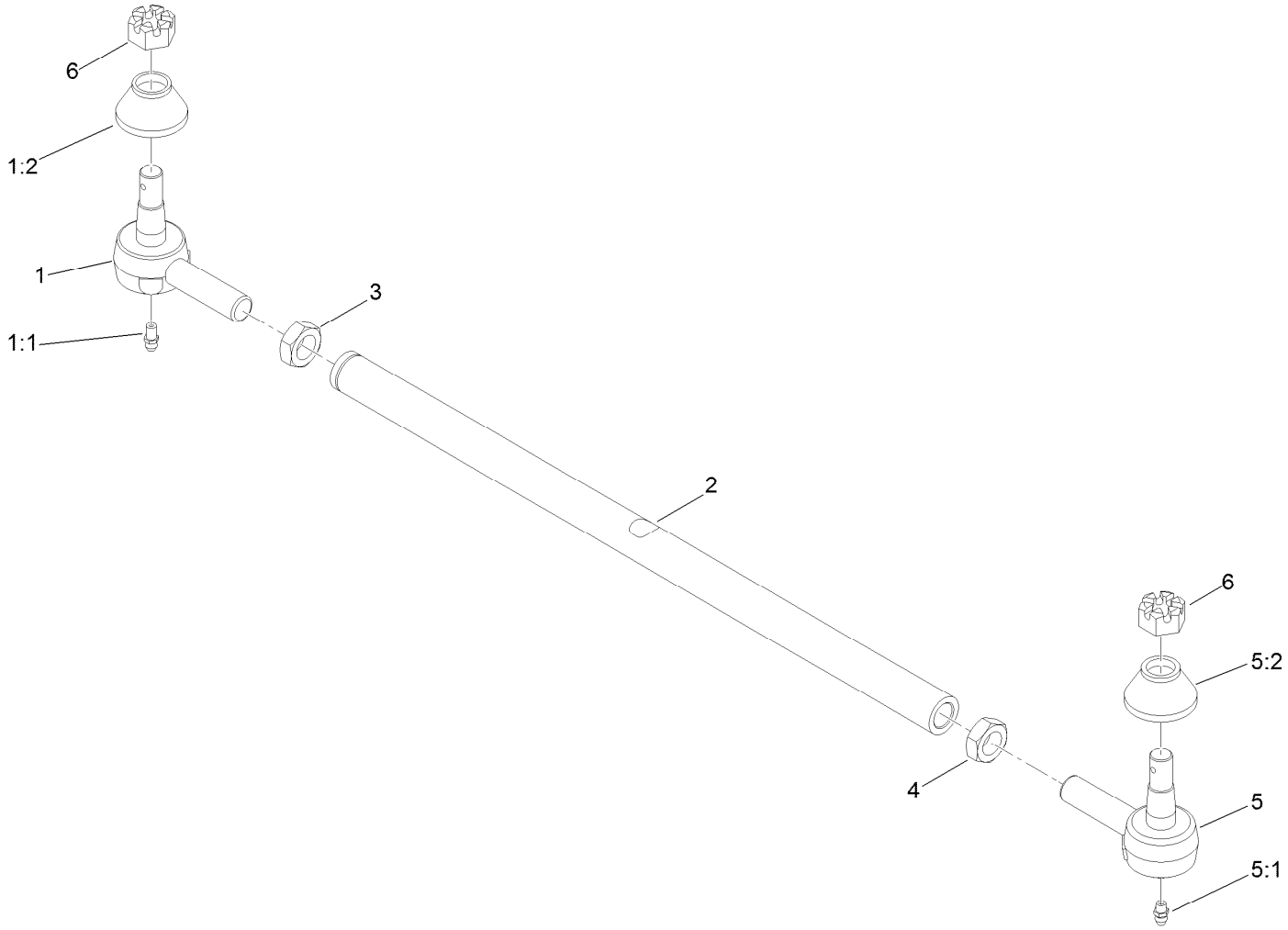



# Frame and Roll-Over Protection System Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 3218-5 | 6 | Nut-Jam |
| 21 | 115-5300 | 1 | Proximity Switch ASM |
| 21:1 | 117-3207 | 2 | Nut-Hex |
| 21:2 | 117-3208 | 2 | Washer-Lock, Internal Tooth |
| 22 | 139-6170-03 | 1 | Bracket-Mount, Sensor |
| 23 | 3231-2 | 2 | Bolt-CARR |
| 24 | 138-4588 | 1 | Axle ASM |
| 25 | 32151-77 | 2 | Ring-Retaining, External |
| 26 | 69-8890 | 2 | Cap-Spindle |
| 27 | 3234-1 | 2 | Screw-HHF |
| 28 | 98-8173 | 1 | Pin-Pivot, Axle |
| 29 | 99-8432 | 2 | Washer-Thrust |

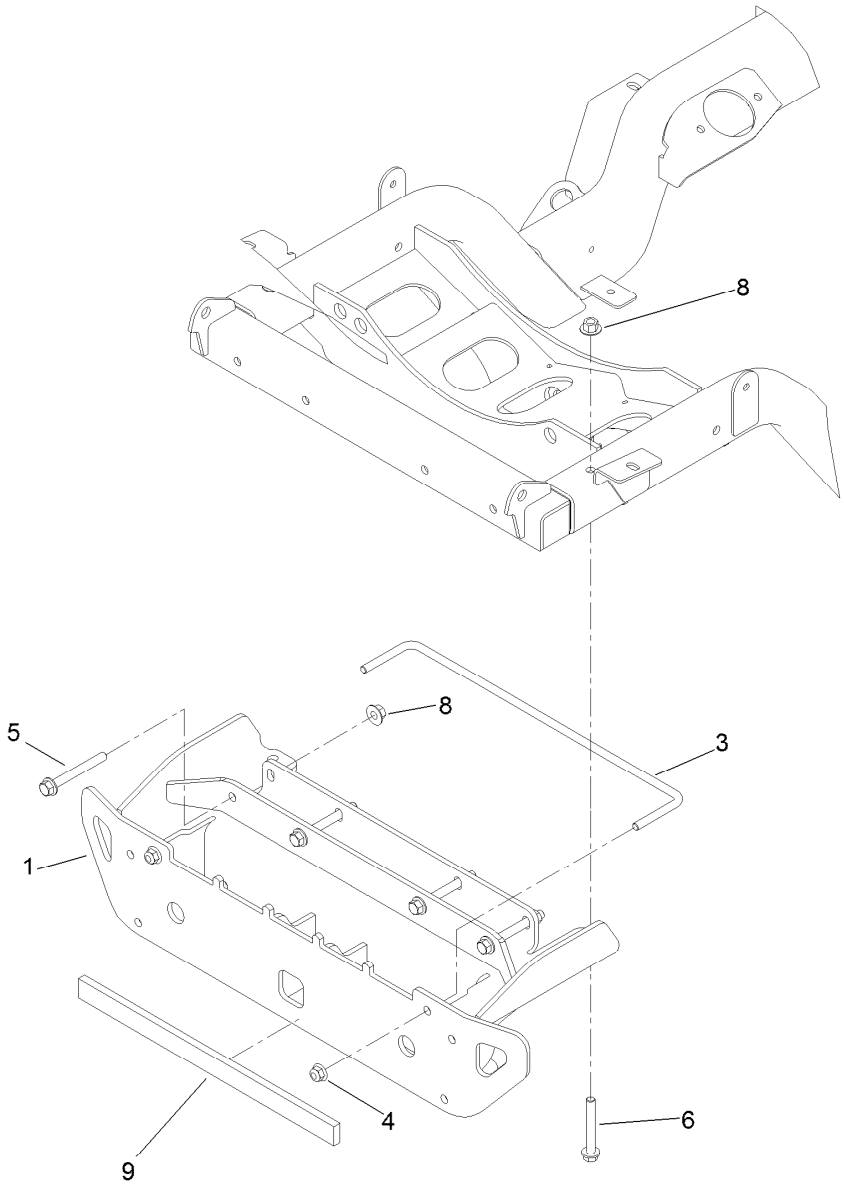
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 30 | 32121-32 | 1 | Pin-Roll |
| 31 | 71-4540 | 1 | Washer-Thrust |
| 32 | 3296-15 | 1 | Nut-Lock, NI |
| 33 | 302-33 | 1 | Fitting-Grease |
| 34 | 133-6462 | 1 | Tie Rod ASM |
| 35 | 3272-12 | 2 | Pin-Cotter |
| 36 | 76-2980 | 2 | Washer-Thrust |
| 37 | 138-4452 | 2 | Pad-Stop, Deck |
| 38 | 3289-4 | 4 | Screw-FH |
| 40 | 325-7 | 2 | Screw-HH |
| 41 | 138-4593 | 2 | Pin |
| 42 | 133-9682 | 2 | Screw-Hfh |

● Not serviced separately



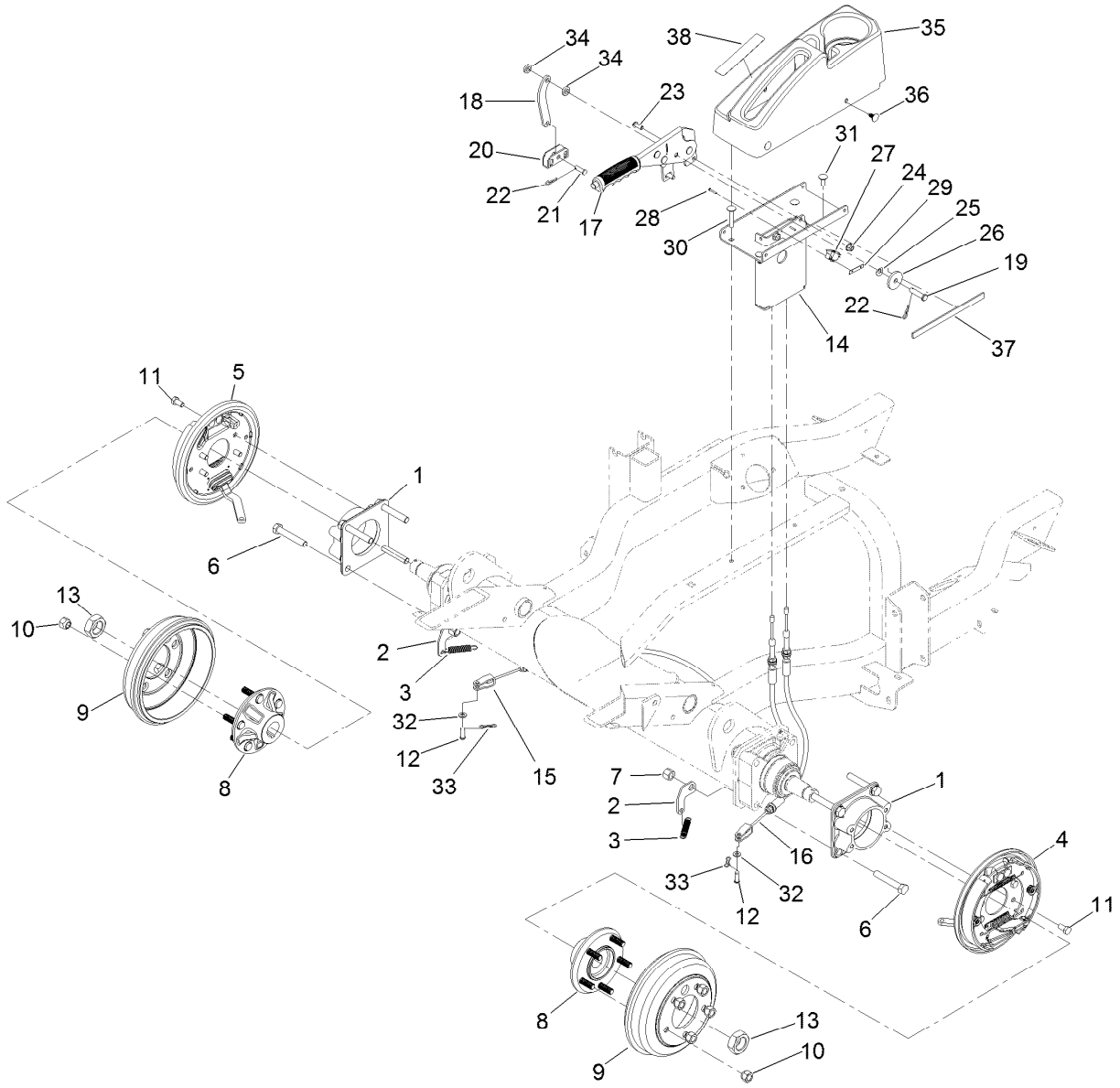

# Tie Rod Assembly No. 133-6462

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 139-6199 | 1 | Tie Rod End |
| 1:1 | 302-5 | 1 | Fitting-Grease |
| 1:2 | 105-7835 | 1 | Seal |
| 2 | 133-6463 | 1 | Tie-Rod |
| 3 | 84-5300 | 1 | Nut-Jam |
| 4 | 110-5337 | 1 | Nut-Jam |
| 5 | 139-6200 | 1 | Tie Rod End |
| 5:1 | 302-5 | 1 | Fitting-Grease |
| 5:2 | 105-7835 | 1 | Seal |
| 6 | 140-6135 | 2 | Nut-Hex, Slotted |




# Rear Bumper Assembly

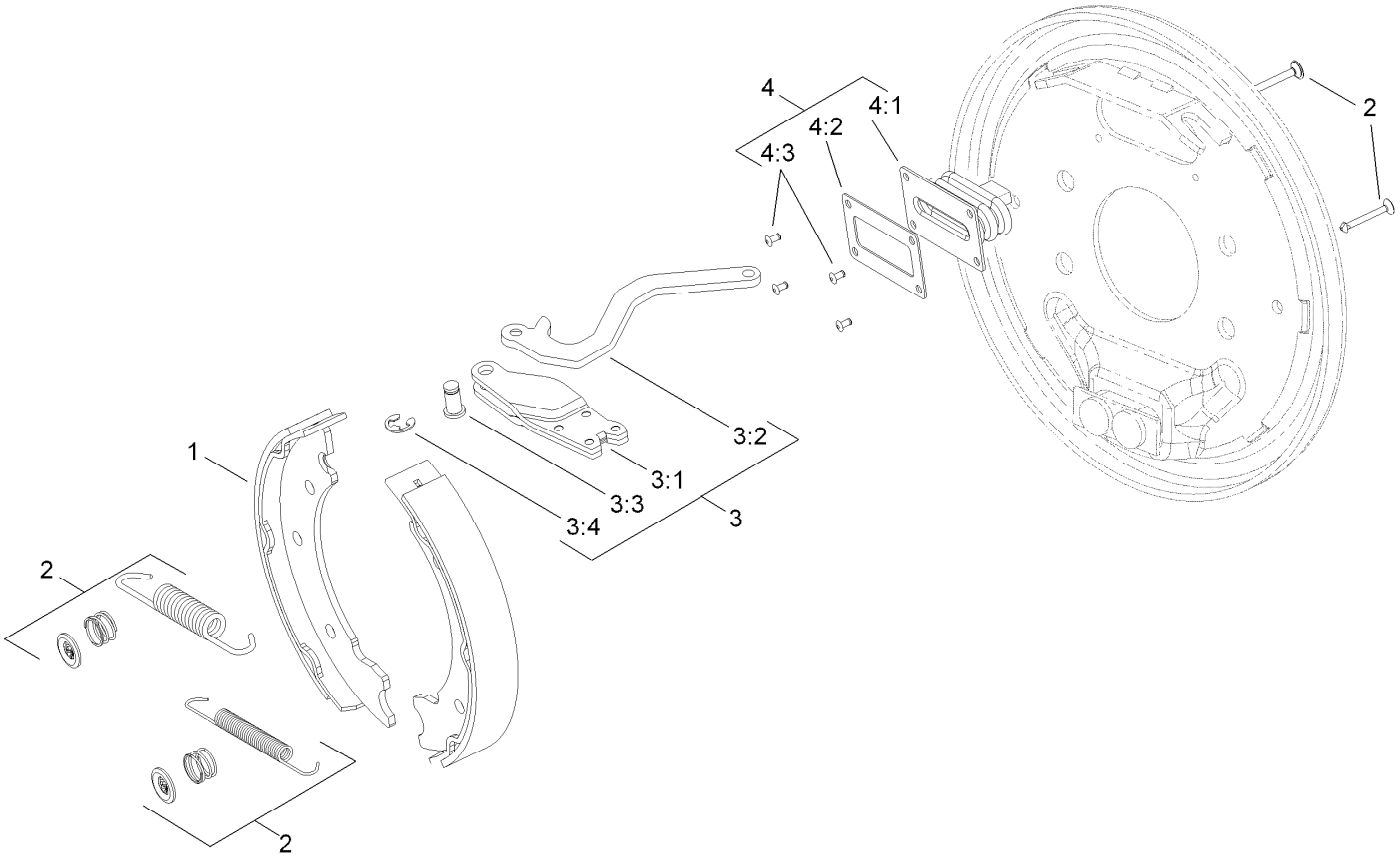
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 139-2328SP | 1 | Rear Bumper |
| 3 | 125-2667 | 1 | Lock-Weight |
| 4 | 104-8301 | 2 | Nut-HF, NI |
| 5 | 3234-41 | 4 | Screw-HHF |
| 6 | 133-9682 | 2 | Screw-Hfh |
| 8 | 32128-43 | 6 | Nut-Flange |
| 9 | 144-0553 | 1 | Strip-Rubber |




# Front Axle and Parking Brake Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-6253-03 | 2 | Adapter-Brake |
| 2 | 138-4499 | 2 | Clip-Spring |
| 3 | 137-2591 | 2 | Spring-Extension |
| 4 | 120-0235 | 1 | LH Brake ASM |
| 5 | 120-0233 | 1 | RH Brake ASM |
| 6 | 325-12 | 8 | Screw-HH |
| 7 | 3296-23 | 8 | Nut-Lock, NI |
| 8 | 137-2470 | 2 | Hub ASM |
| 9 | 114-8864 | 2 | Drum-Brake |
| 10 | 242-50 | 10 | Nut-Lug |
| 11 | 323-4 | 8 | Screw-HH |
| 12 | 283-58 | 2 | Pin-Clevis |
| 13 | 107-9319 | 2 | Nut-Hex |
| 14 | 137-2644-03 | 1 | Mount-Brake, Parking |
| 15 | 137-2640 | 1 | Cable-Brake, Adjustable RH |
| 16 | 137-2641 | 1 | Cable-Brake, Adjustable LH |
| 17 | 131-8320 | 1 | Lever-Brake, Park |
| 18 | 127-8836-03 | 1 | Link-Brake, Park |
| 19 | 283-10 | 1 | Pin-Clevis |

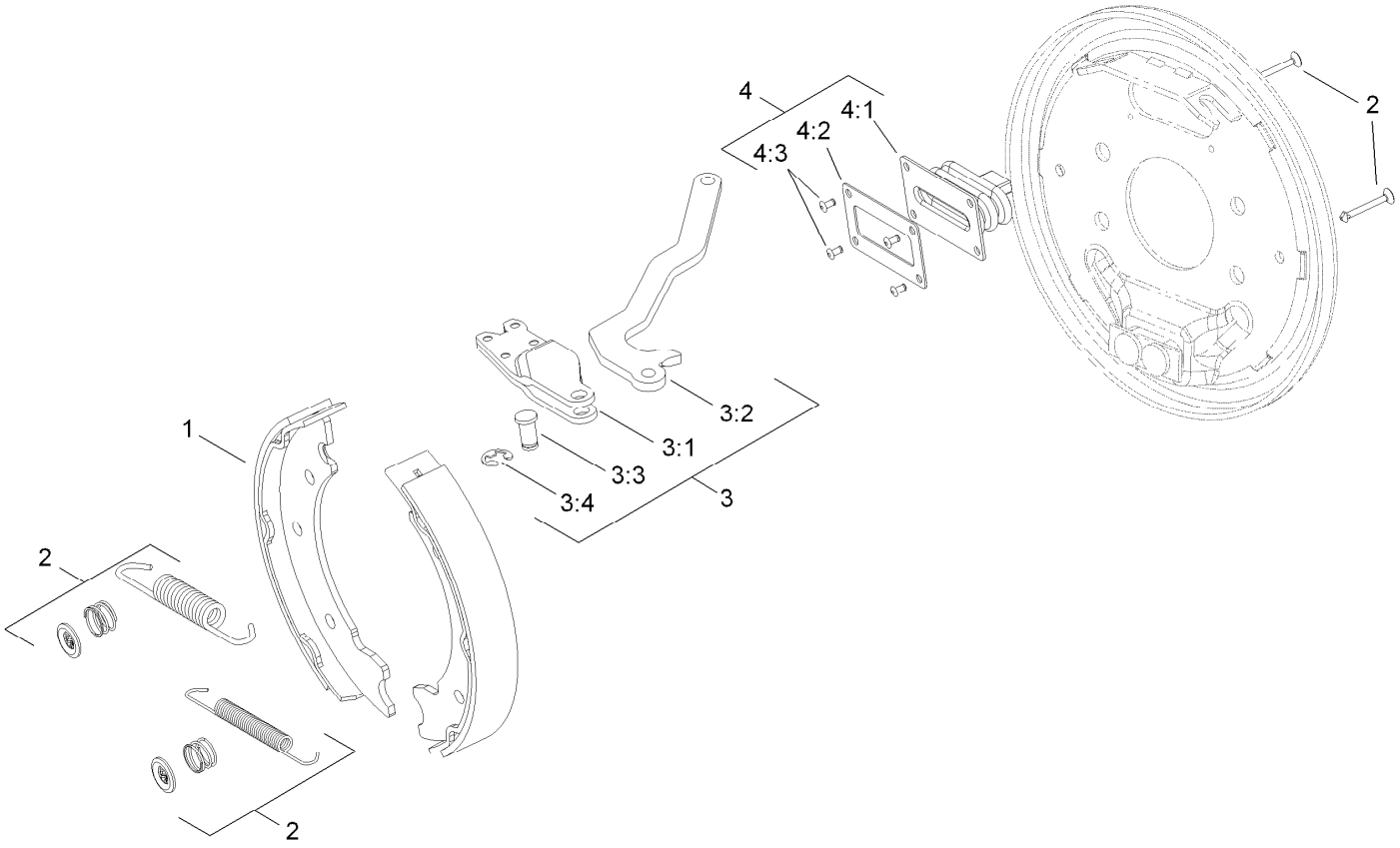
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 87-3480 | 1 | Bracket-Equalizer, Cable |
| 21 | 1-808280 | 1 | Pin-Clevis |
| 22 | 1-806003 | 2 | Pin-Cotter |
| 23 | 3274-55 | 2 | Screw-HSBH |
| 24 | 104-8300 | 6 | Nut-HF, NI |
| 25 | 121-4605 | 1 | Washer-Spring |
| 26 | 131-8496 | 1 | Washer-Plain |
| 27 | 108-6496 | 1 | Switch (W/Boot) |
| 28 | 3290-313 | 2 | Screw-SPH |
| 29 | 3290-354 | 1 | Nut-Speed |
| 30 | 116-0629 | 2 | Screw-CARR |
| 31 | 3230-23 | 2 | Bolt-CARR |
| 32 | 3256-74 | 2 | Washer-Flat |
| 33 | 119-1415 | 2 | Pin-Cotter, Locking |
| 34 | 3-3287 | 2 | Spacer |
| 35 | 138-7475 | 1 | Cover-Brake, Parking |
| 36 | 117-2382 | 4 | Plug-Plastic |
| 37 | 132-7282 | 2 | Strip-Foam |
| 38 | 139-6224 | 1 | Decal-Parking Brake |




# Left Hand Brake Assembly No. 120-0235

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 139-5950 | 1 | Brake Shoe Kit |
| 2 | 108-6983 | 1 | Brake Hardware Kit |
| 3 | 120-0236 | 1 | LH Actuator Kit |
| 3:1 | | 1 | Housing ● |
| 3:2 | | 1 | Lever-LH ● |
| 3:3 | | 1 | Pin-Pivot ● |
| 3:4 | | 1 | E-Ring ● |
| 4 | 110-8885 | 1 | Dust Boot Kit |
| 4:1 | | 1 | Boot ● |
| 4:2 | | 1 | Plate-Back Up ● |
| 4:3 | | 2 | Rivet ● |

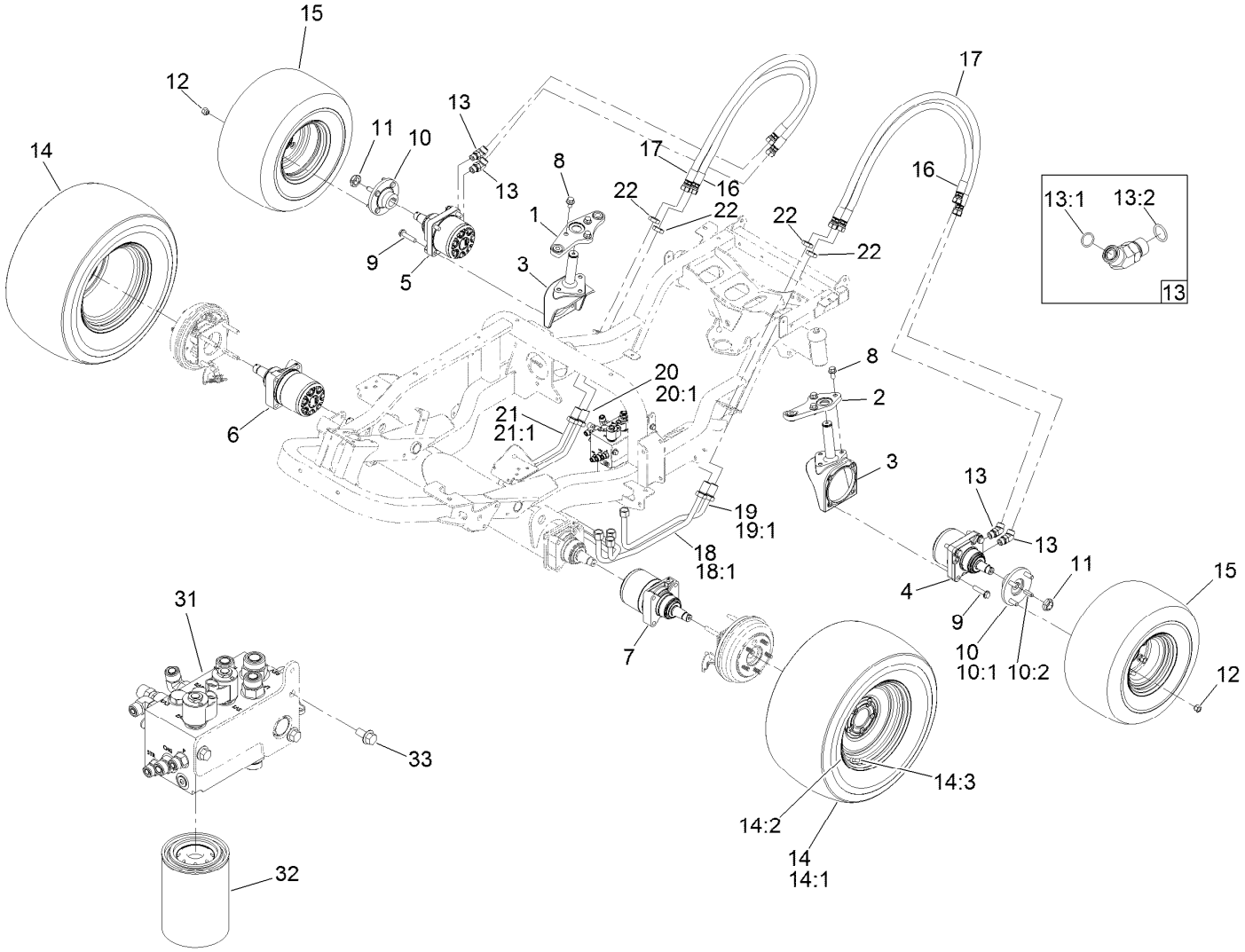
● Not serviced separately




# Right Hand Brake Assembly No. 120-0233

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 139-5950 | 1 | Brake Shoe Kit |
| 2 | 108-6983 | 1 | Brake Hardware Kit |
| 3 | 120-0234 | 1 | RH Actuator Kit |
| 3:1 | | 1 | Housing ● |
| 3:2 | | 1 | Lever-RH ● |
| 3:3 | | 1 | Pin-Pivot ● |
| 3:4 | | 1 | E-Ring ● |
| 4 | 110-8885 | 1 | Dust Boot Kit |
| 4:1 | | 1 | Boot ● |
| 4:2 | | 1 | Plate-Back Up ● |
| 4:3 | | 2 | Rivet ● |

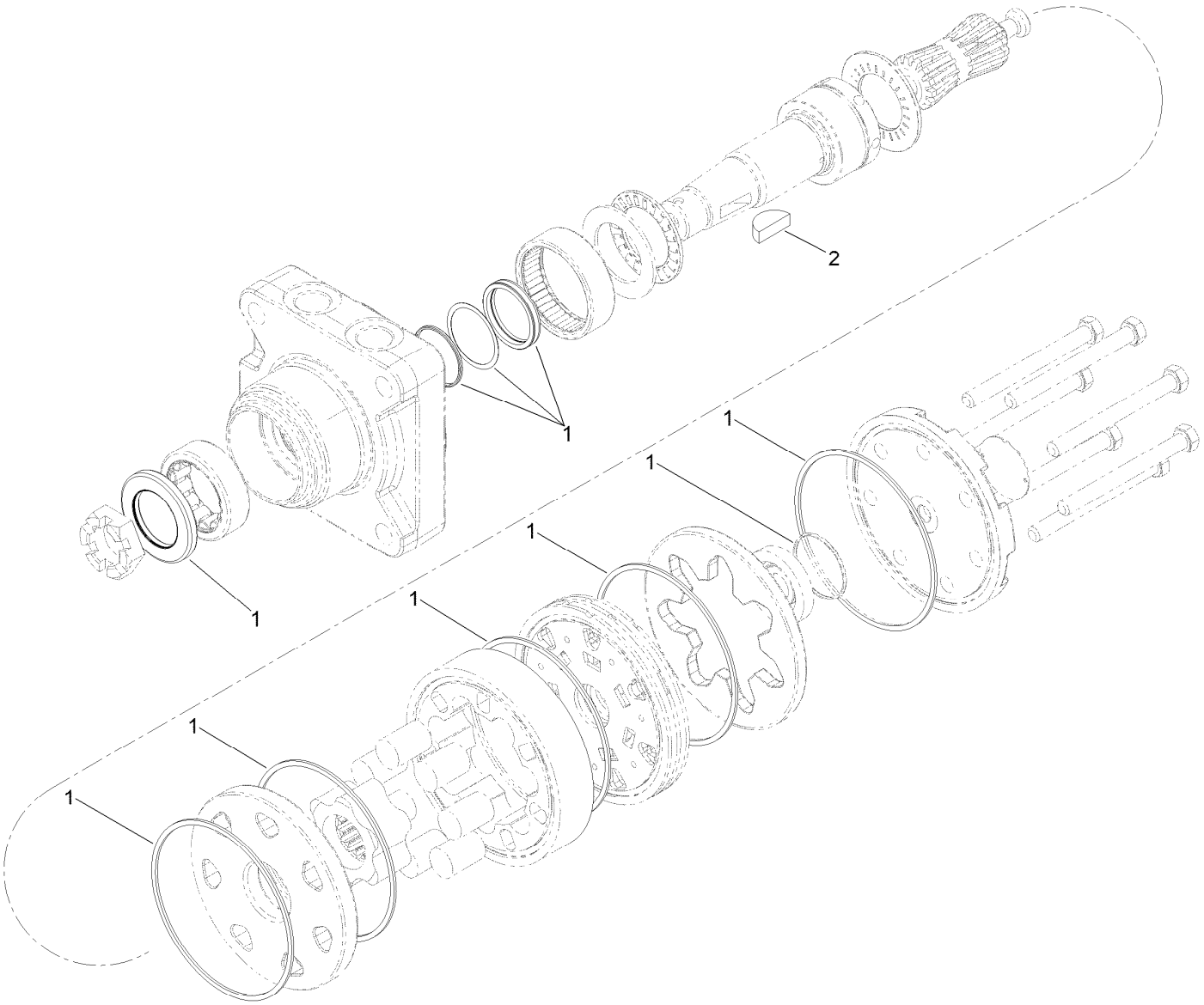
● Not serviced separately




# Hydraulic Drive Assembly

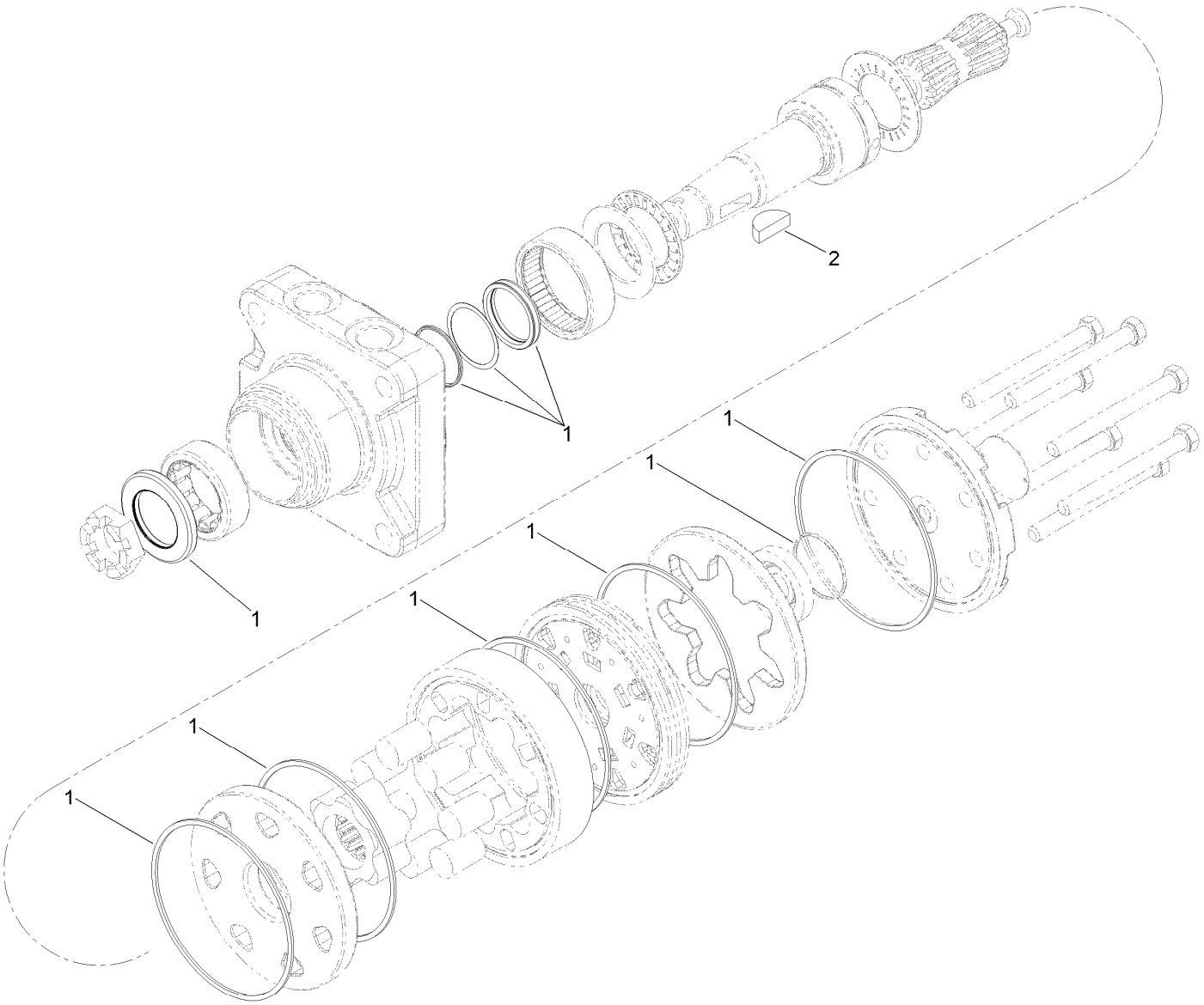
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 140-3133-03 | 1 | RH Drag Link ASM |
| 2 | 140-3135-03 | 1 | LH Drag Link ASM |
| 3 | 107-4517-03 | 2 | Housing-Motor |
| 4 | 138-0303 | 1 | Motor-Hydraulic, CCW |
| 5 | 138-0304 | 1 | Motor-Hydraulic, CW |
| 6 | 137-2478 | 1 | Motor-Hydraulic, CW |
| 7 | 137-2458 | 1 | Motor-Hydraulic, CCW |
| 8 | 3234-6 | 6 | Screw-HHF |
| 9 | 3234-46 | 8 | Screw-HHF |
| 10 | 18-3209 | 2 | Wheel Hub/Stud ASM |
| 10:1 | 10-6870-03 | 1 | Hub-Wheel |
| 10:2 | 10-6830 | 4 | Stud-Type, Drive |
| 11 | 116-1399 | 2 | Locknut |
| 12 | 242-50 | 8 | Nut-Lug |
| 13 | 340-14 | 4 | Fitting-HYD, 45 DEG |
| 13:1 | 237-65 | 1 | O-Ring |
| 13:2 | 237-80 | 1 | O-Ring |
| 14 | 137-2590 | 2 | Wheel ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14:1 | 137-2594 | 1 | Tire |
| 14:2 | 137-2595 | 1 | Rim |
| 14:3 | 232-27 | 1 | Stem-Valve |
| 15 | 137-2592 | 2 | Wheel ASM |
| 16 | 137-5863 | 2 | Hose ASM |
| 17 | 137-5864 | 2 | Hose ASM |
| 18 | 138-0334 | 1 | Hydraulic Tube ASM |
| 18:1 | 237-65 | 1 | O-Ring |
| 19 | 138-0335 | 1 | Hydraulic Tube ASM |
| 19:1 | 237-65 | 1 | O-Ring |
| 20 | 138-0337 | 1 | Hydraulic Tube ASM |
| 20:1 | 237-65 | 1 | O-Ring |
| 21 | 138-0338 | 1 | Hydraulic Tube ASM |
| 21:1 | 237-65 | 1 | O-Ring |
| 22 | 340-74 | 4 | Nut-Lock, Bulkhead |
| 31 | 138-4489 | 1 | Manifold-Steering/Lift |
| 32 | 86-3010 | 1 | Filter-Oil |
| 33 | 3234-1 | 3 | Screw-HHF |



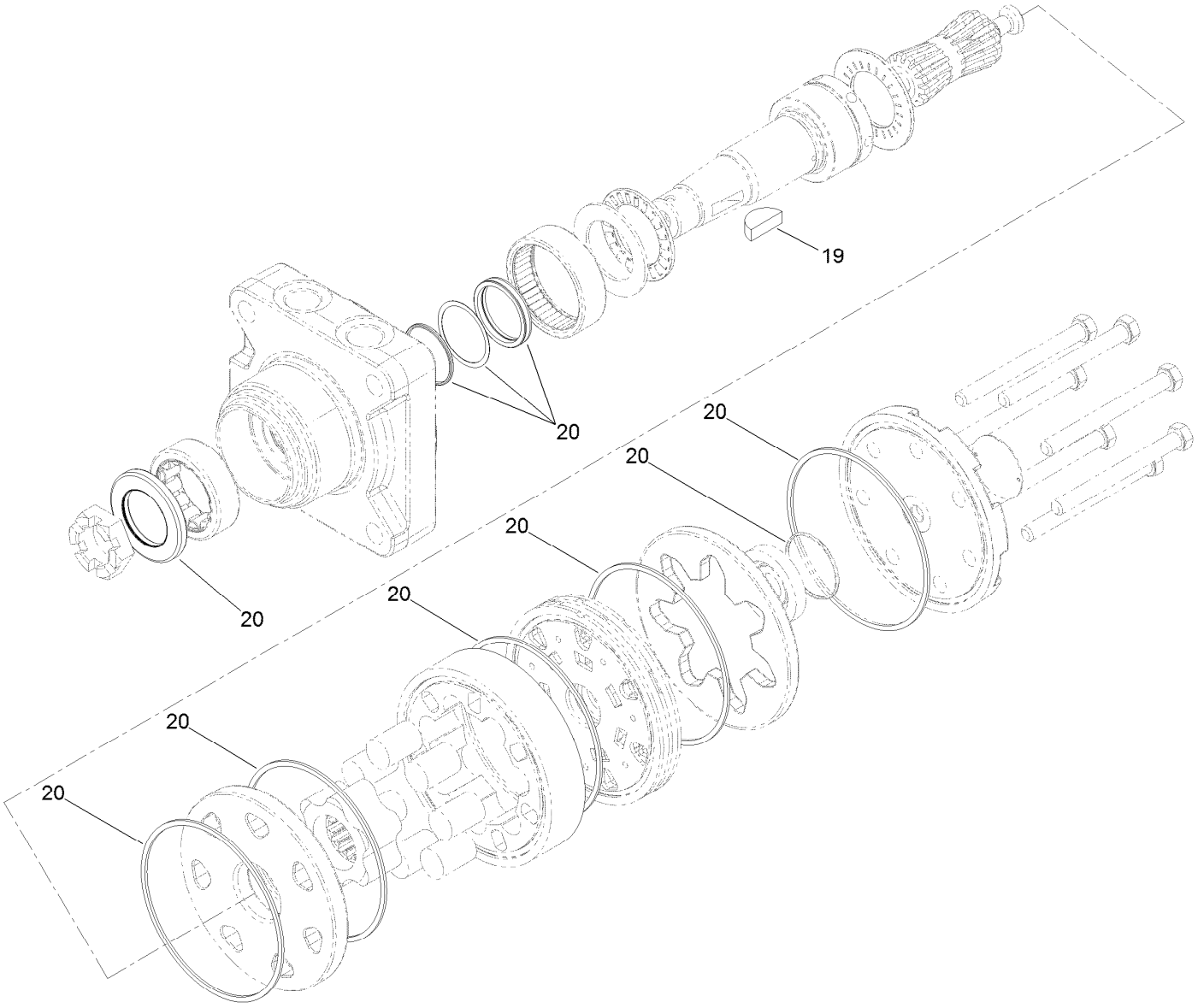

# Hydraulic Motor Assembly No. 138-0304

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-8897 | 1 | Seal Kit |
| 2 | 3257-42 | 1 | Key-Woodruff |



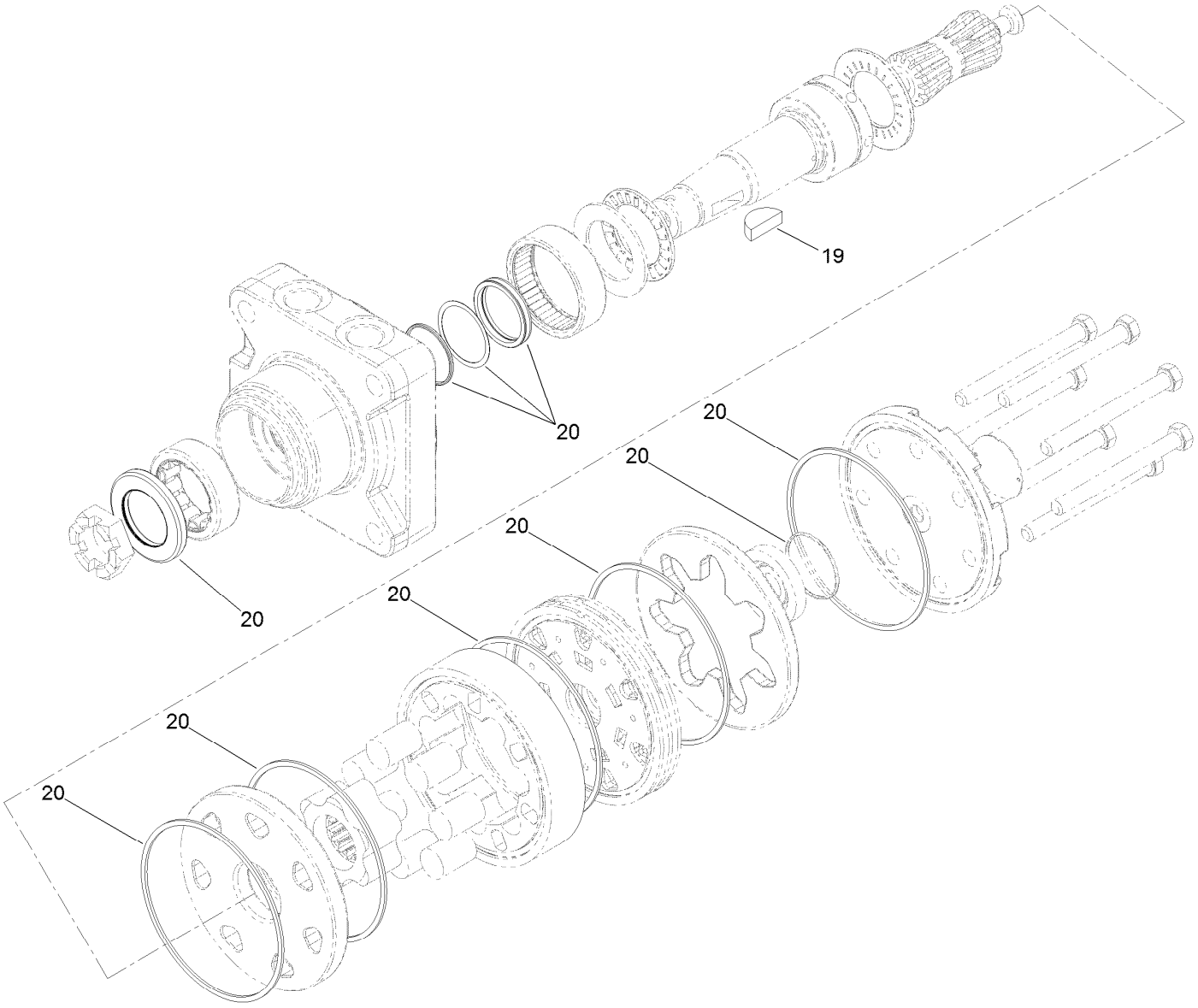

# Hydraulic Motor Assembly No. 138-0303

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-8897 | 1 | Seal Kit |
| 2 | 3257-42 | 1 | Key-Woodruff |



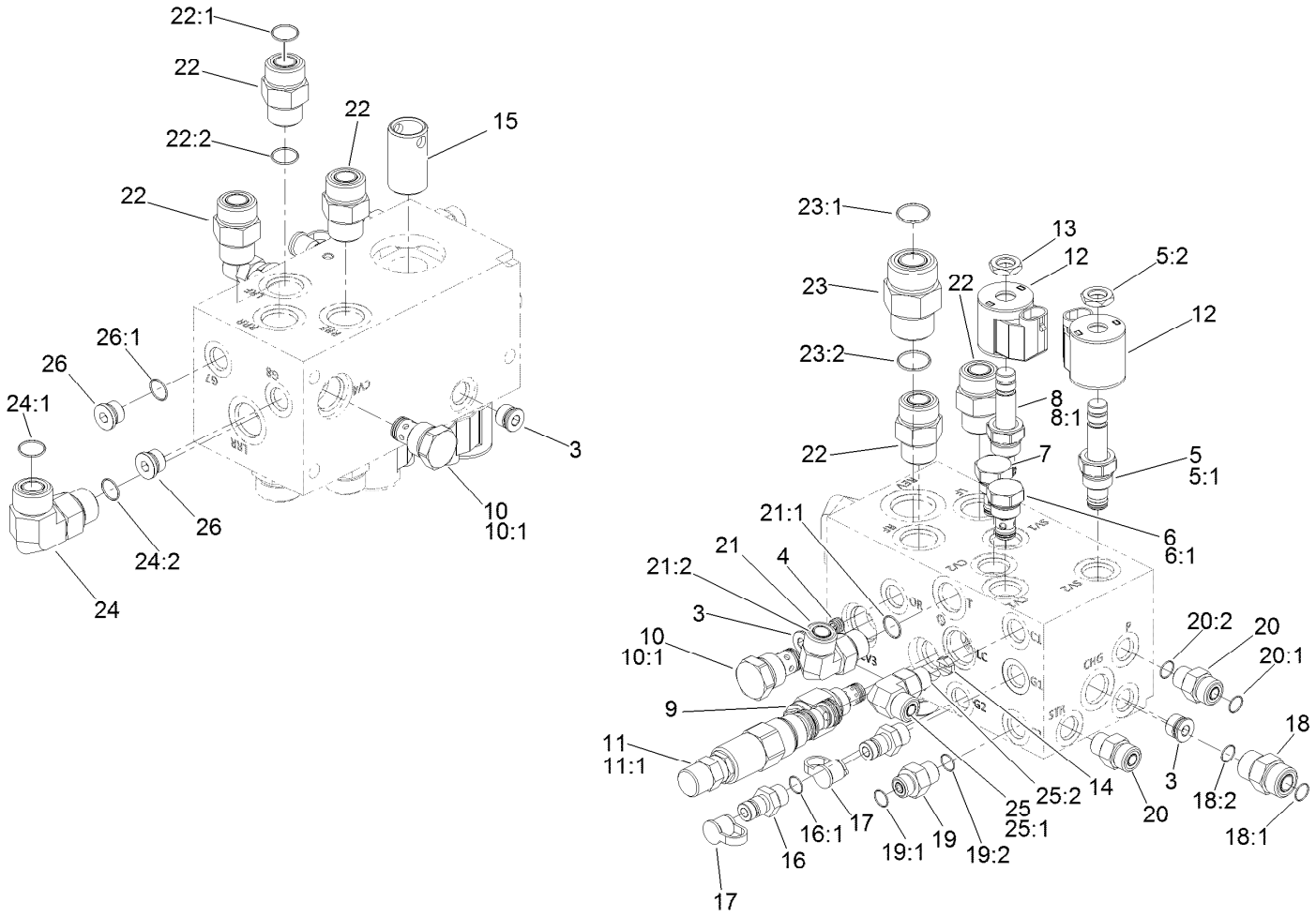

# Hydraulic Motor Assembly No. 137-2458

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 19 | 3257-42 | 1 | Key-Woodruff |
| 20 | 110-8896 | 1 | Seal Kit |




# Hydraulic Motor Assembly No. 137-2478

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 19 | 3257-42 | 1 | Key-Woodruff |
| 20 | 110-8896 | 1 | Seal Kit |

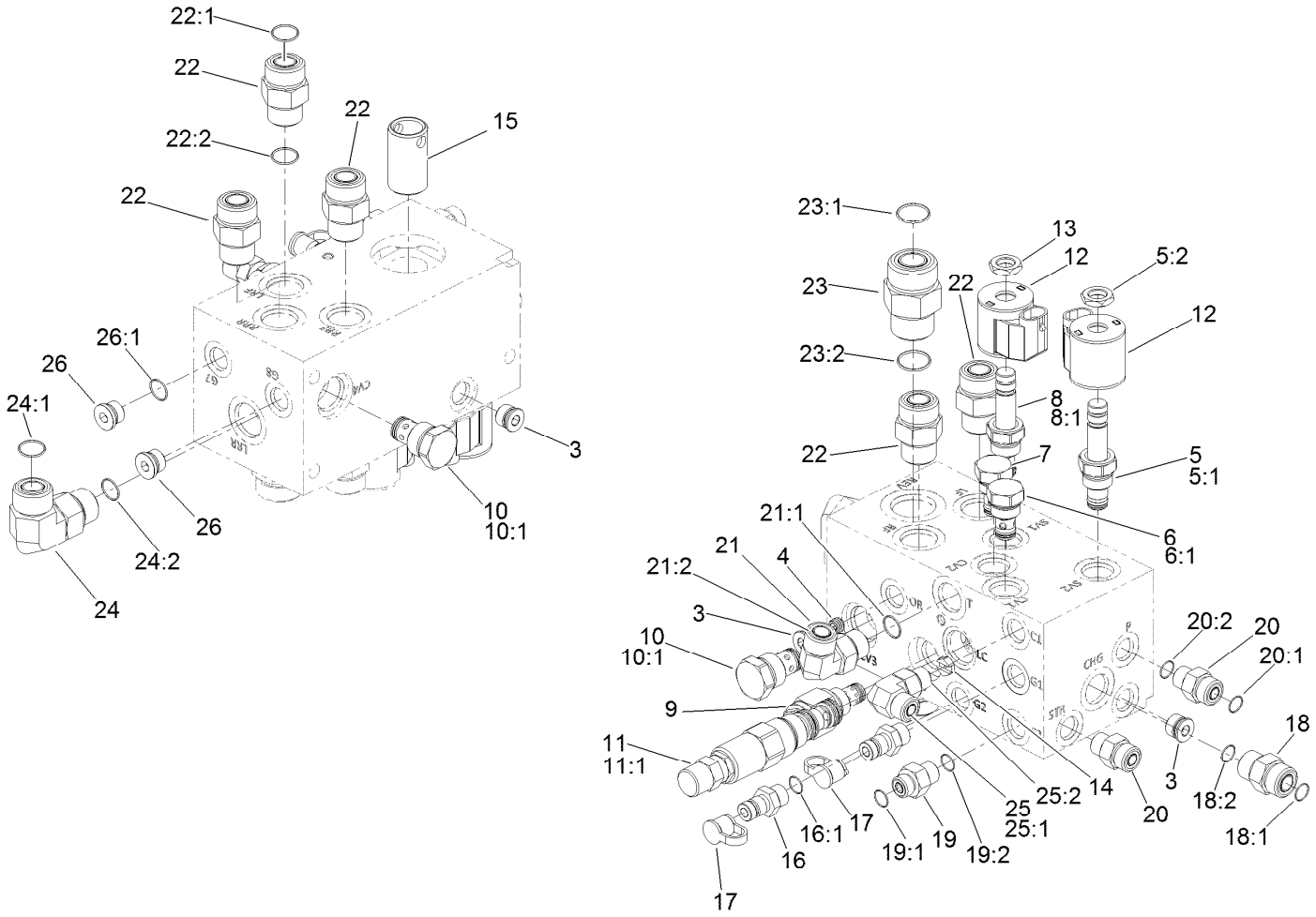



# Steer/Lift Manifold Assembly No. 138-4489

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 3 | 112-9213 | 3 | Plug |
| 4 | 110-8883 | 1 | Plug-Orifice (0.040) |
| 5 | 112-9206 | 1 | Solenoid Valve ASM |
| 5:1 | 105-9156 | 1 | Seal Kit |
| 5:2 | 110-2634 | 1 | Nut-Coil |
| 6 | 114-2873 | 1 | Check Valve ASM |
| 6:1 | 105-9156 | 1 | Seal Kit |
| 7 | 139-1213 | 1 | Valve-Check |
| 8 | 120-6562 | 1 | Valve-Solenoid |
| 8:1 | 105-9156 | 1 | Seal Kit |
| 9 | 139-6298 | 1 | Valve-Relief (Bi-Directional) |
| 10 | 110-8881 | 2 | Valve-Check |
| 10:1 | 105-9159 | 1 | Seal Kit ● |
| 11 | 144-0501 | 1 | Valve-Logic, 220 PSI (Adjustable) |
| 11:1 | 119-2159 | 1 | Seal Kit |
| 12 | 110-0497 | 2 | Coil-Solenoid |
| 13 | 110-2634 | 2 | Nut-Coil |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 139-6296 | 1 | Orifice-Check 0.100 DIA |
| 15 | 139-6297 | 1 | Nipple-Filter |
| 16 | 59-7410 | 2 | Fitting-Diagnostic |
| 16:1 | 237-42 | 1 | O-Ring |
| 17 | 354-79 | 2 | Cap-Dust |
| 18 | 340-4 | 1 | Fitting-Straight |
| 18:1 | 237-30 | 1 | O-Ring |
| 18:2 | 237-79 | 1 | O-Ring |
| 19 | 340-1 | 1 | Fitting-Straight |
| 19:1 | 237-21 | 1 | O-Ring |
| 19:2 | 237-42 | 1 | O-Ring |
| 20 | 340-2 | 2 | Fitting-Straight |
| 20:1 | 237-22 | 1 | O-Ring |
| 20:2 | 237-42 | 1 | O-Ring |
| 21 | 340-98 | 1 | Fitting-Elbow, 90 DEG |
| 21:1 | 237-79 | 1 | O-Ring |
| 21:2 | 237-30 | 1 | O-Ring |
| 22 | 340-7 | 5 | Fitting-Straight |

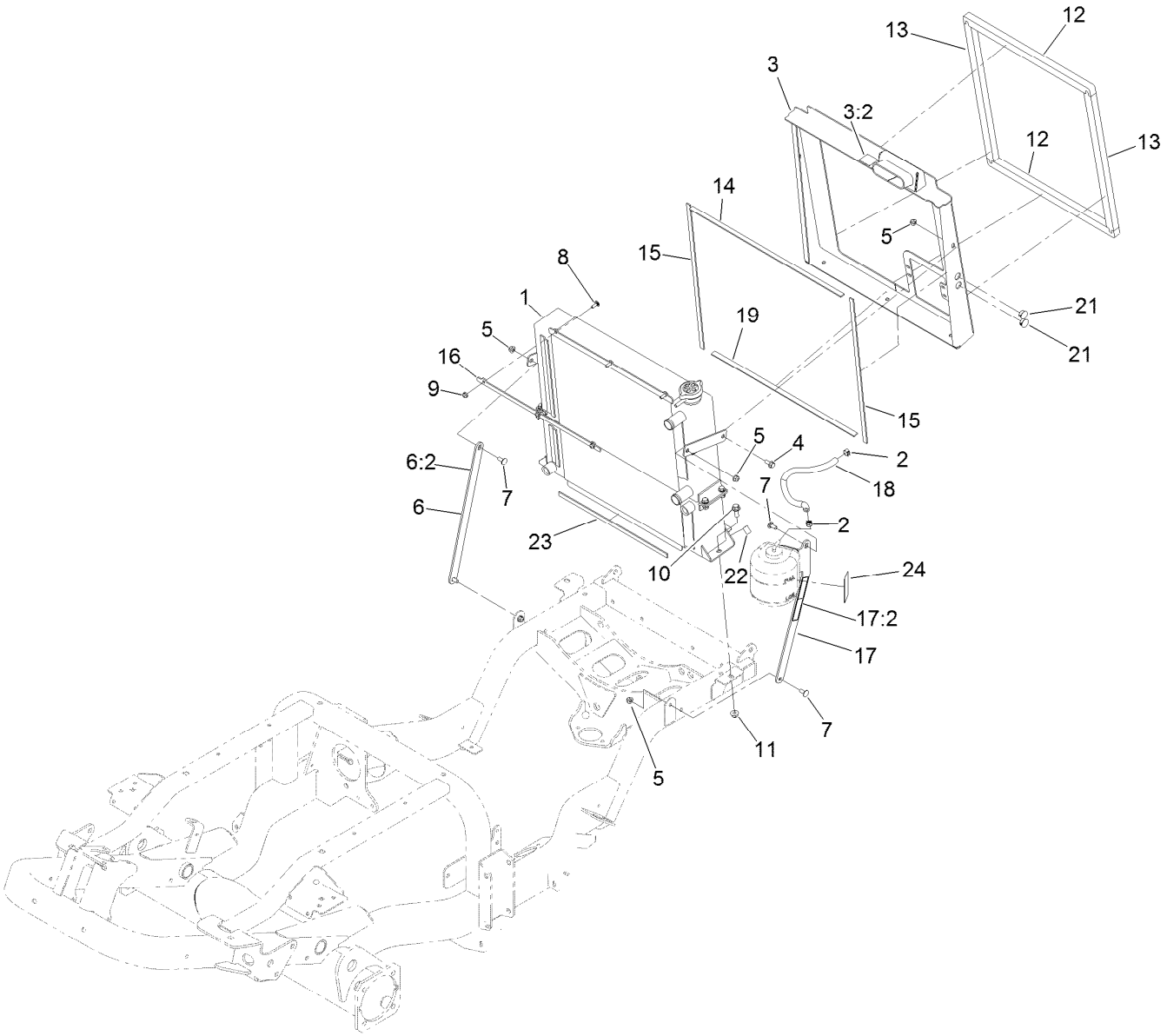
● Not illustrated




# Steer/Lift Manifold Assembly No. 138-4489 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 22:1 | 237-65 | 1 | O-Ring |
| 22:2 | 237-80 | 1 | O-Ring |
| 23 | 340-9 | 1 | Fitting-STR |
| 23:1 | 237-58 | 1 | O-Ring |
| 23:2 | 237-81 | 1 | O-Ring |
| 24 | 340-17 | 1 | Fitting-Elbow, 90 DEG |
| 24:1 | 237-65 | 1 | O-Ring |
| 24:2 | 237-80 | 1 | O-Ring |
| 25 | 340-77 | 1 | Fitting-Elbow, 90 DEG |
| 25:1 | 237-22 | 1 | O-Ring |
| 25:2 | 237-42 | 1 | O-Ring |
| 26 | 353-989 | 2 | Plug-Hex, Hollow |
| 26:1 | 237-42 | 1 | O-Ring |

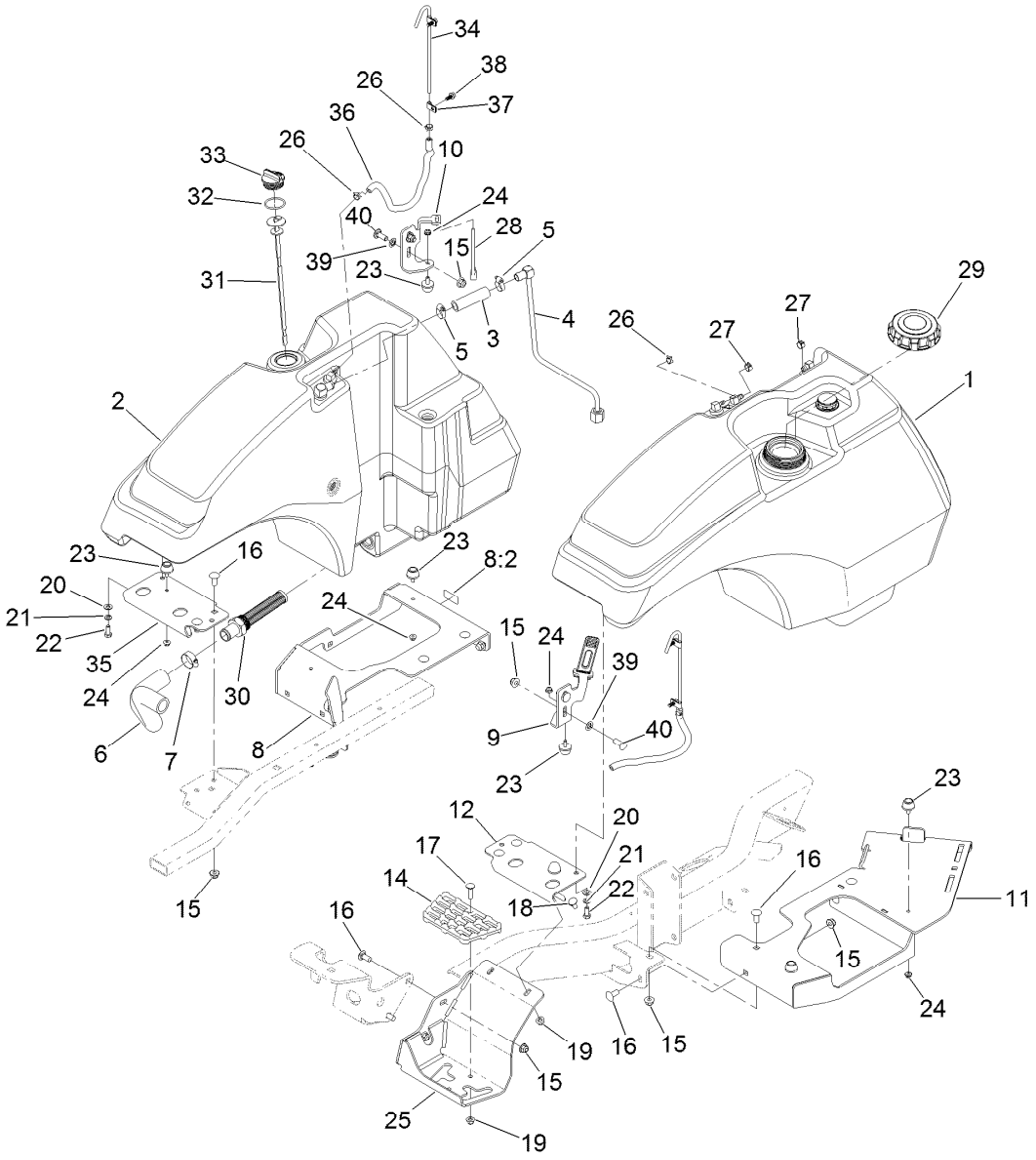
● Not illustrated




# Radiator and Cooler Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 138-7420 | 1 | Radiator/Oil Cooler ASM |
| 2 | 92-2379 | 2 | Clamp-Hose |
| 3 | 139-6232 | 1 | Shroud-Cooler ASM |
| 3:2 | 115-8155 | 1 | Decal-Warning |
| 4 | 3234-47 | 2 | Screw-HHF |
| 5 | 104-8300 | 11 | Nut-HF, NI |
| 6 | 139-6229 | 1 | Strap-Cooler |
| 6:2 | 93-7272 | 1 | Decal-Warning |
| 7 | 3230-23 | 9 | Bolt-CARR |
| 8 | 1-807512 | 3 | Bolt-CARR |
| 9 | 104-7201 | 3 | Nut-HF |
| 10 | 3234-42 | 2 | Screw-HHF |
| 11 | 104-8301 | 2 | Nut-HF, NI |

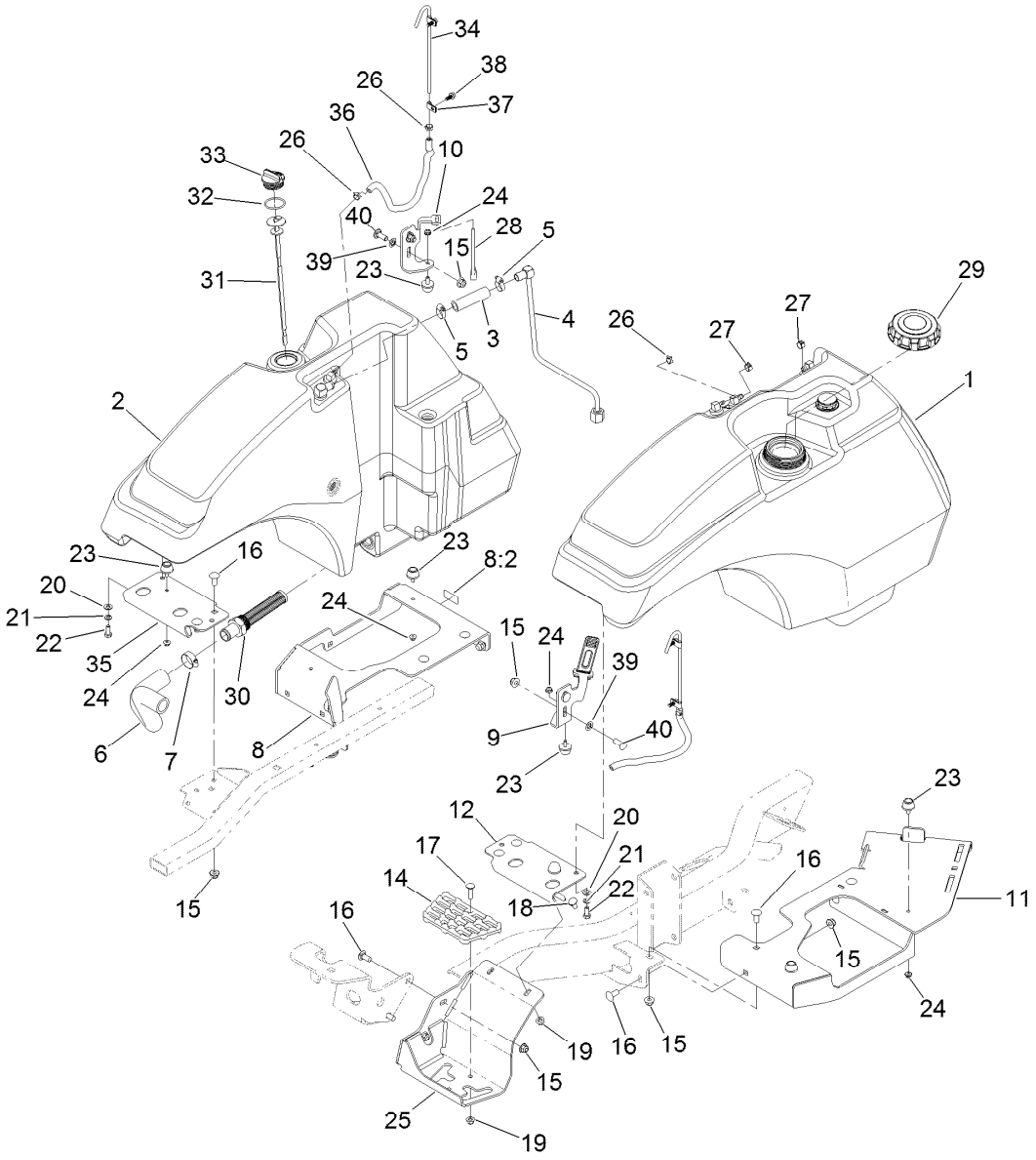
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12 | 138-4410 | 2 | Seal-Foam |
| 13 | 138-4411 | 2 | Seal-Foam |
| 14 | 138-4453 | 1 | Foam-Radiator |
| 15 | 138-4454 | 2 | Foam-Radiator, Side |
| 16 | 138-4461-03 | 1 | Bracket-Retainer, Shroud |
| 17 | 139-6230 | 1 | Bracket-Bottle Mount |
| 17:2 | 93-7272 | 1 | Decal-Warning |
| 18 | 106-1126 | 1 | Hose-Fuel |
| 19 | 108-1393 | 1 | Strip-Foam |
| 21 | 130-8439 | 2 | Plug-Dome |
| 22 | 140-5841 | 2 | Trim-Cooler |
| 23 | 130-9182 | 1 | Foam-Radiator, Short |
| 24 | 144-0472 | 1 | Decal-Coolant Level |




# Fuel and Hydraulic Tank Assembly

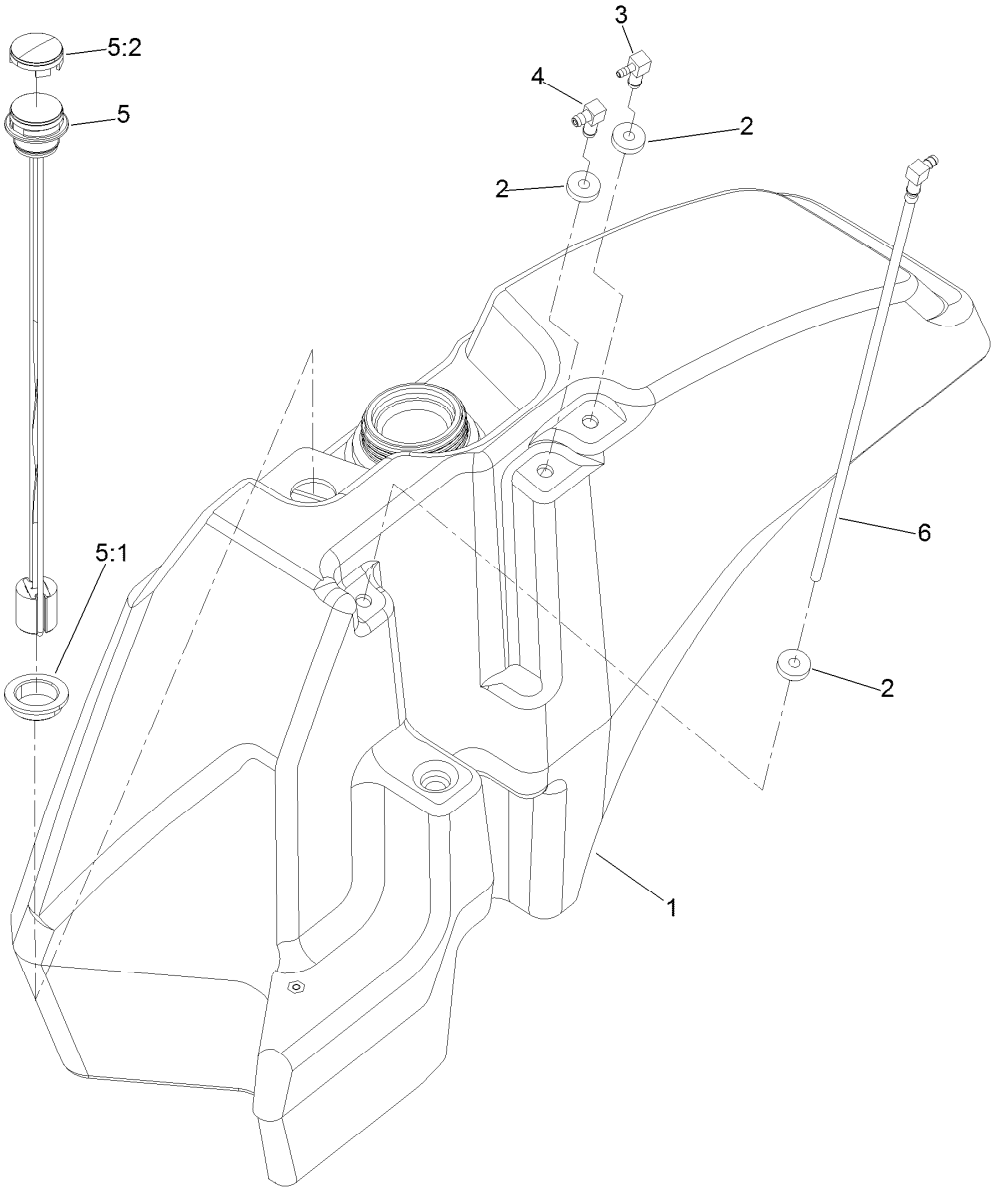
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 138-0291 | 1 | Fuel Tank |
| 2 | 138-4418 | 1 | Hydraulics Tank ASM |
| 3 | 114-4920 | 1 | Hose |
| 4 | 138-7392 | 1 | Hydraulic Tube ASM |
| 5 | 2412-119 | 2 | Clamp-Hose, Worm Drive |
| 6 | 138-7361 | 1 | Hose-Suction |
| 7 | 2412-34 | 1 | Clamp-Hose |
| 8 | 139-6228 | 1 | Tank Support-Hydraulic |
| 8:2 | 127-0392 | 1 | Decal-Hot Surface |
| 9 | 138-0441-03 | 1 | Bracket-Tank Hold Down, LH |
| 10 | 138-7315-03 | 1 | Bracket-Tank Hold Down, RH |
| 11 | 138-4404-03 | 1 | Tray-Tank/Battery |
| 12 | 138-7365-03 | 1 | Bracket-Tank Mount, Front LH |
| 14 | 126-4781 | 1 | Step-Deck |
| 15 | 104-8301 | 19 | Nut-HF, NI |
| 16 | 3231-27 | 15 | Screw-CARR |
| 17 | 3230-3 | 1 | Screw-CARR |
| 18 | 3230-23 | 2 | Bolt-CARR |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 104-8300 | 3 | Nut-HF, NI |
| 20 | 3256-23 | 2 | Washer-Plain |
| 21 | 3253-4 | 2 | Washer-Lock |
| 22 | 322-3 | 2 | Screw-HH |
| 23 | 109-2365 | 8 | Bumper-Rubber |
| 24 | 104-7201 | 8 | Nut-HF |
| 25 | 139-0927-01 | 1 | Bracket-Mount, Step |
| 26 | 2412-98 | 4 | Clamp-Hose |
| 27 | 92-2379 | 2 | Clamp-Hose |
| 28 | 131-8402 | 2 | Strap-Down, Hold |
| 29 | 119-8266 | 1 | Cap-Fuel (Biodiesel) |
| 30 | 138-7499 | 1 | Fitting-Strainer |
| 31 | 138-7388 | 1 | Dipstick |
| 32 | 94-8166 | 1 | O-Ring |
| 33 | 93-7498 | 1 | Plug-Plastic |
| 34 | 139-6252 | 2 | Tube-Vent |
| 35 | 139-0940-03 | 1 | Bracket-Tank Mount, Front RH |
| 36 | 139-6253 | 2 | Hose-Fuel |
| 37 | 2412-72 | 4 | Clip-Closed, Insulated |
| 38 | 99-6810 | 4 | Screw-HHF |



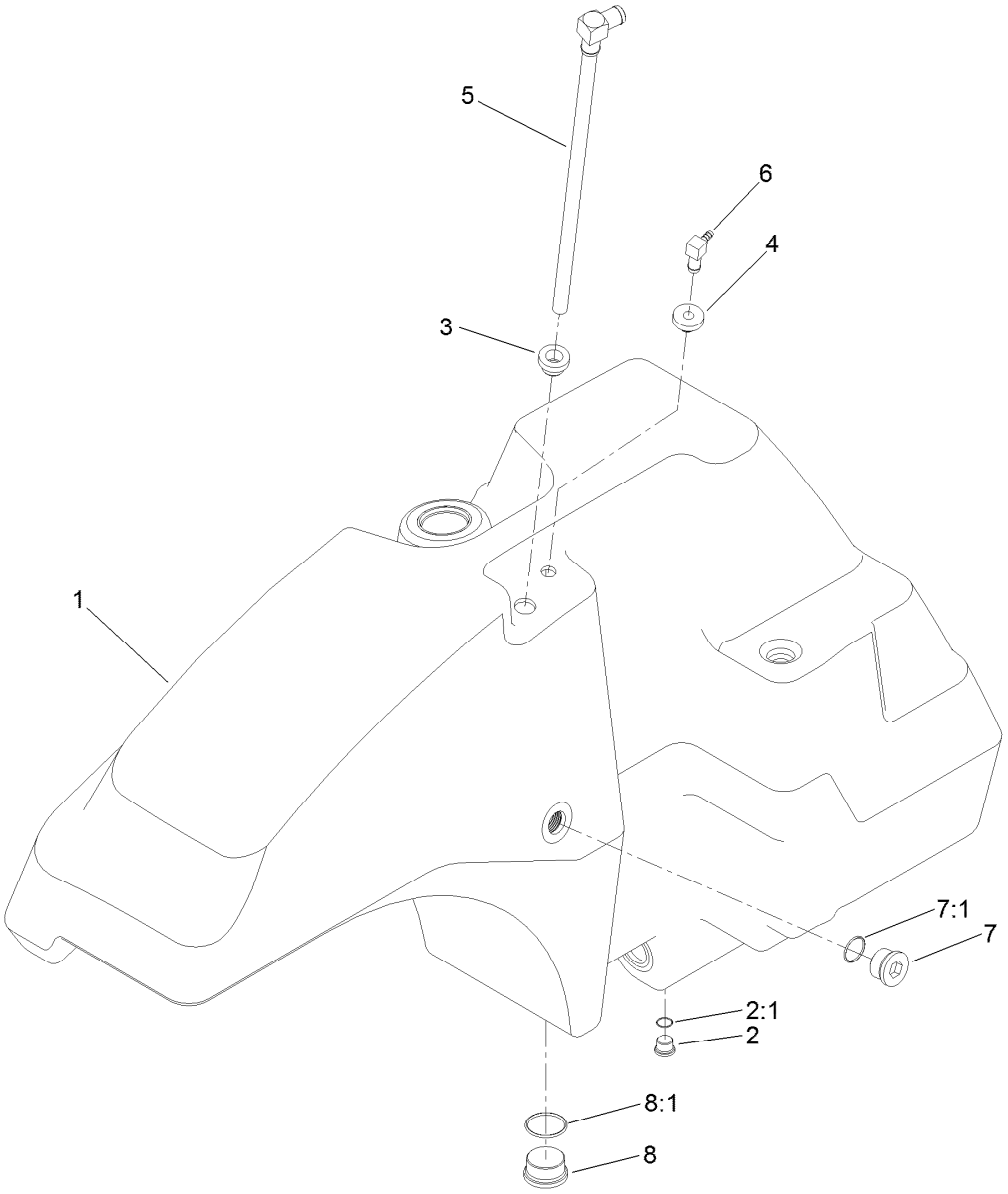

# Fuel and Hydraulic Tank Assembly (continued)

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 39 | 107-3154 | 6 | Nut-Push |
| 40 | 3231-22 | 4 | Screw-CARR |



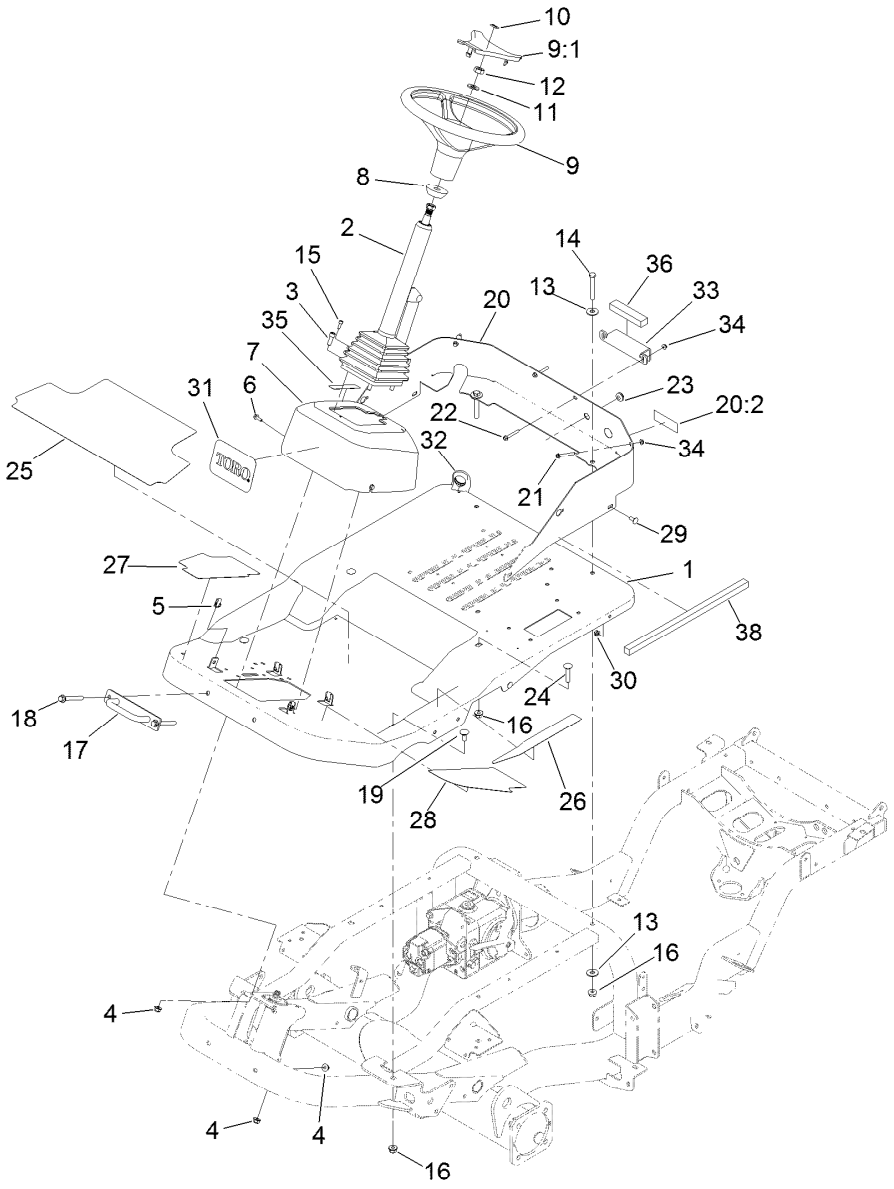

# Fuel Tank Assembly No. 138-0291

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 138-7385 | 1 | Fuel Tank W/Inserts ASM |
| 2 | 46-6560 | 3 | Bushing |
| 3 | 104-5228 | 1 | Fitting-Elbow, 90 DEG |
| 4 | 46-6550 | 1 | Fitting-Elbow, 90 DEG |
| 5 | 139-0872 | 1 | Gauge-Fuel |
| 5:1 | 119-0508 | 1 | Seal |
| 5:2 | 117-8404 | 1 | Dial-Gauge |
| 6 | 138-7389 | 1 | Pipe-Stand |




# Hydraulic Tank Assembly No. 138-4418

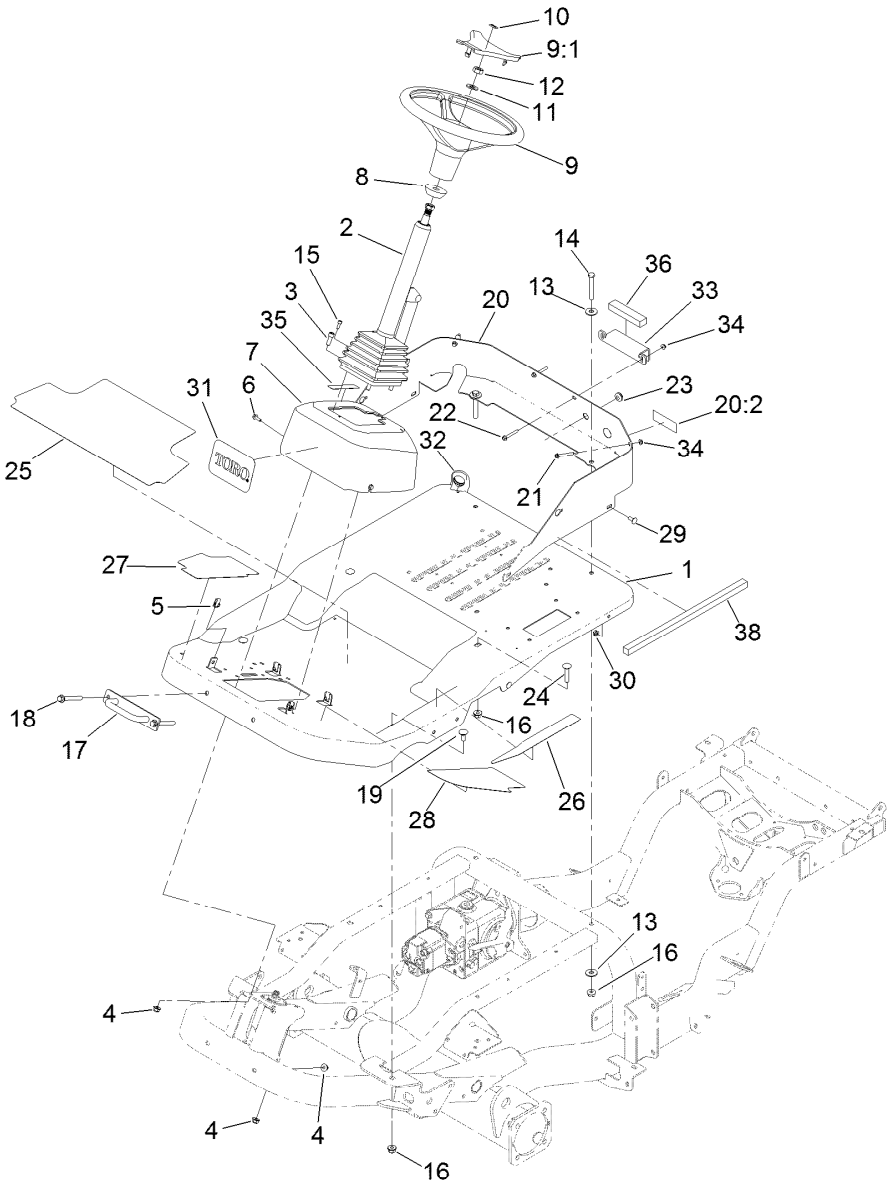
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 138-7386 | 1 | Tank-Hydraulic W/Inserts |
| 2 | 353-989 | 1 | Plug-Hex, Hollow |
| 2:1 | 237-42 | 1 | O-Ring |
| 3 | 104-0790 | 1 | Bushing |
| 4 | 46-6560 | 1 | Bushing |
| 5 | 138-7384 | 1 | Tube-Drop |
| 6 | 104-5228 | 1 | Fitting-Elbow, 90 DEG |
| 7 | 139-6333 | 1 | Fitting-Plug |
| 7:1 | 237-81 | 1 | O-Ring |
| 8 | 105-3921 | 1 | Fitting-Plug |
| 8:1 | 237-146 | 1 | O-Ring |




# Platform, Steering and Console Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 138-0300SP | 1 | Platform-Stamped |
| 2 | 139-0857 | 1 | Column-Steering, Tilt |
| 3 | 3274-7 | 4 | Screw-HSH |
| 4 | 104-8301 | 6 | Nut-HF, NI |
| 5 | 107069 | 4 | Clip |
| 6 | 99-6810 | 4 | Screw-HHF |
| 7 | 138-7494 | 1 | Cover-Steering |
| 8 | 93-5429 | 1 | Collar-Foam |
| 9 | 98-1471 | 1 | Wheel-Steering |
| 9:1 | 98-1468 | 1 | Cover-Wheel, Steering ● |
| 10 | 98-1459 | 1 | Decal |
| 11 | 3256-27 | 1 | Washer-Flat |
| 12 | 3296-33 | 1 | Nut-Lock, NI |
| 13 | 3256-40 | 4 | Washer-Flat |
| 14 | 324-12 | 2 | Screw-HH |
| 15 | 105-2409 | 4 | Screw-HSH |
| 16 | 114-8417 | 6 | Nut-HF, NI |
| 17 | 138-0288 | 1 | Bracket-Down, Tie |
| 18 | 3234-41 | 2 | Screw-HHF |
| 19 | 3232-1 | 2 | Screw-CARR |
| 20 | 139-6233 | 1 | Plate-Firewall, Lower |
| 20:2 | 132-1316 | 2 | Decal-Danger, Belt |
| 21 | 125-4287 | 2 | Screw-HHF |
| 22 | 3234-34 | 2 | Screw-HHF |
| 23 | 1-633630 | 1 | Grommet |
| 24 | 3232-5 | 2 | Screw-CARR |
| 25 | 139-0858 | 1 | Tread-Foot, Main |
| 26 | 139-0859 | 1 | Tread-Foot, Side |
| 27 | 139-0885 | 1 | Tread-Foot, Front RH |
| 28 | 139-0886 | 1 | Tread-Foot, Front LH |
| 29 | 3230-23 | 4 | Bolt-CARR |
| 30 | 104-8300 | 4 | Nut-HF, NI |
| 31 | 105-1217 | 1 | Decal |
| 32 | 139-1972 | 1 | Plug-Harness, Firewall |
| 33 | 139-2166-03 | 1 | Bracket-Hood Support |
| 34 | 104-7201 | 4 | Nut-HF |

● Not illustrated

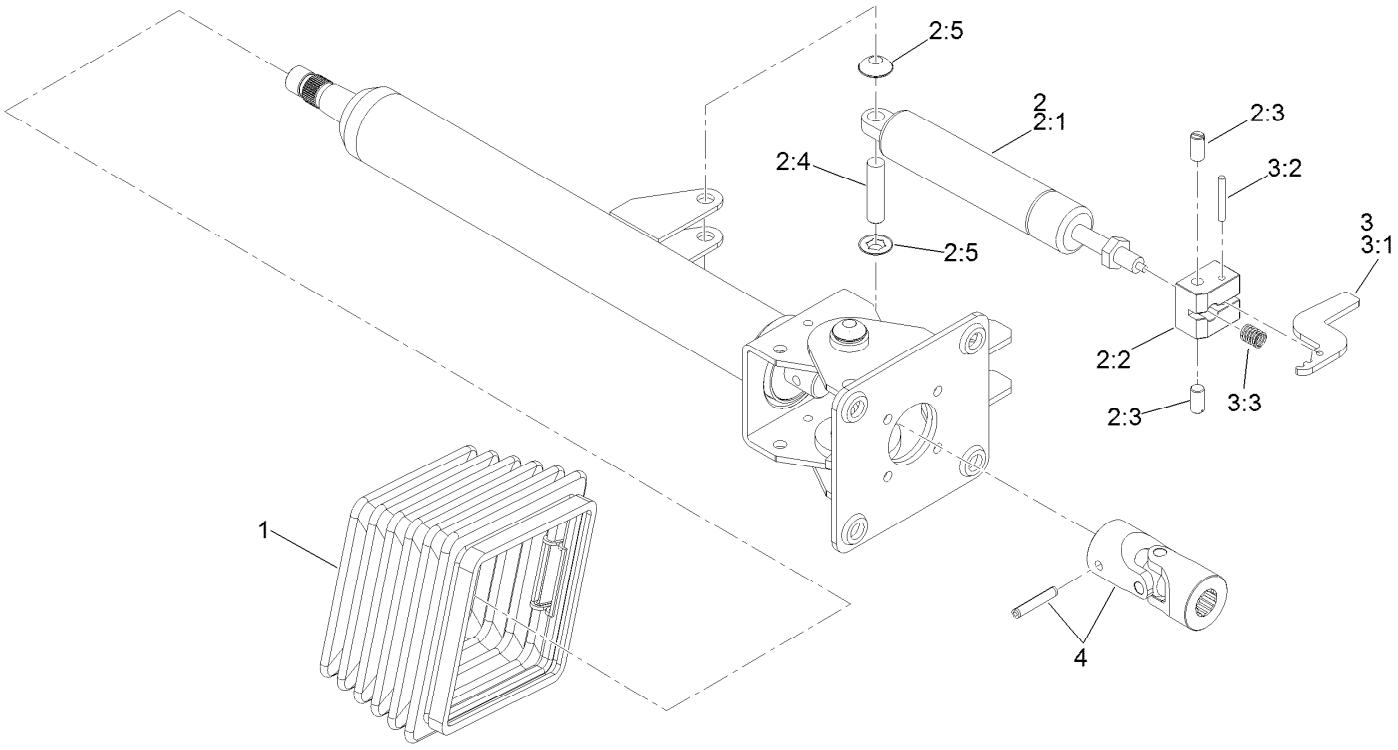



# Platform, Steering and Console Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 35 | 140-1460 | 1 | Decal-Traction Pedal |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 36 | 139-6202 | 1 | Foam-Strip |
| 38 | 139-6207 | 1 | Foam-Strip |

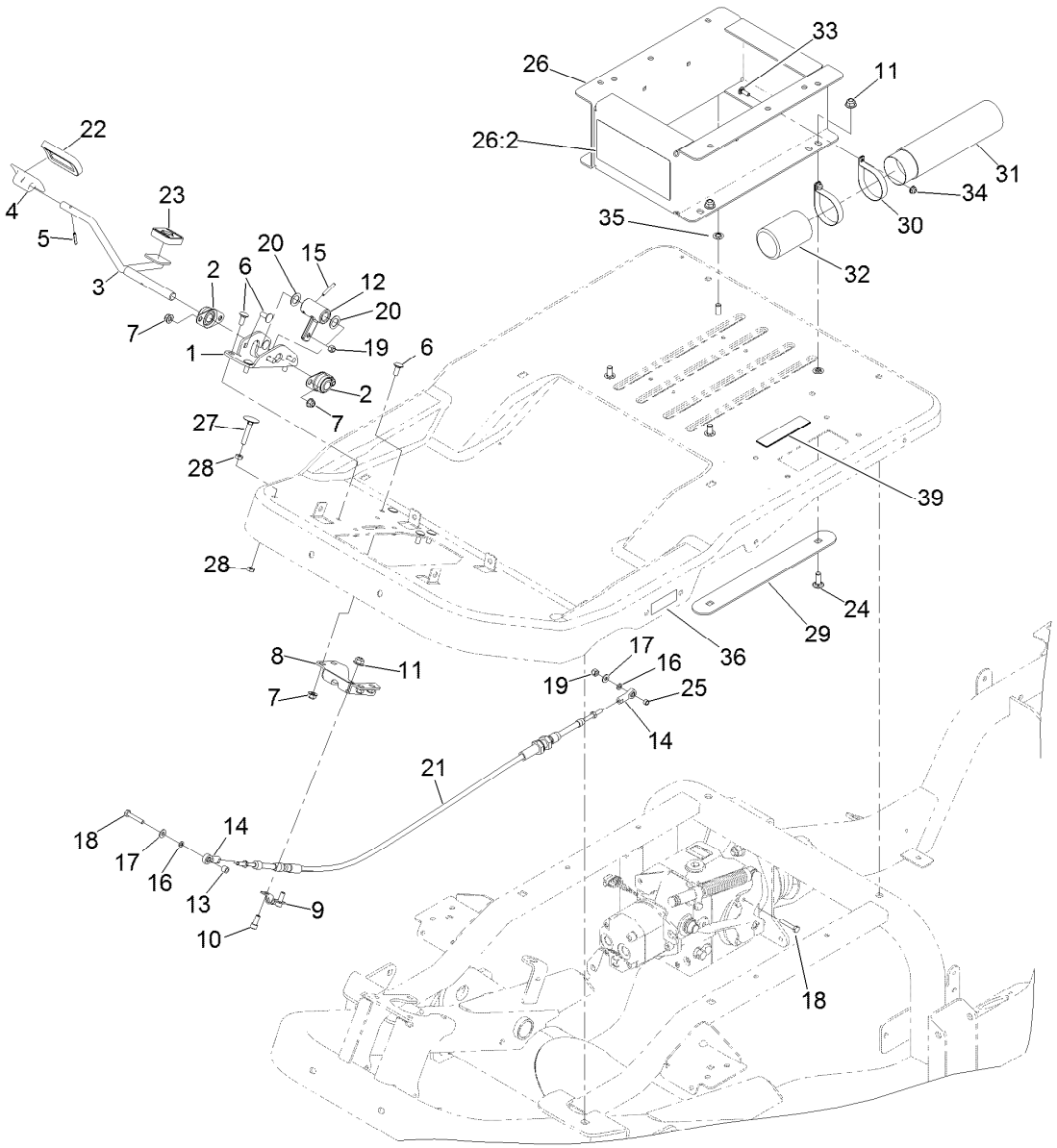
● Not illustrated




# Steering Column Assembly No. 139-0857

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-6462 | 1 | Bellows-Rubber |
| 2 | 110-6463 | 1 | Cylinder Service Kit |
| 2:1 | | 1 | Cylinder-Gas ● |
| 2:2 | | 1 | Block-Pedal ● |
| 2:3 | | 2 | Bolt ● |
| 2:4 | | 1 | Pin ● |
| 2:5 | | 2 | Washer-Lock ● |
| 3 | 136-4385 | 1 | Pedal Service Kit |
| 3:1 | | 1 | Pedal ● |
| 3:2 | | 1 | Pin ● |
| 3:3 | | 1 | Spring ● |
| 4 | 120-6256 | 1 | Universal Joint Kit |

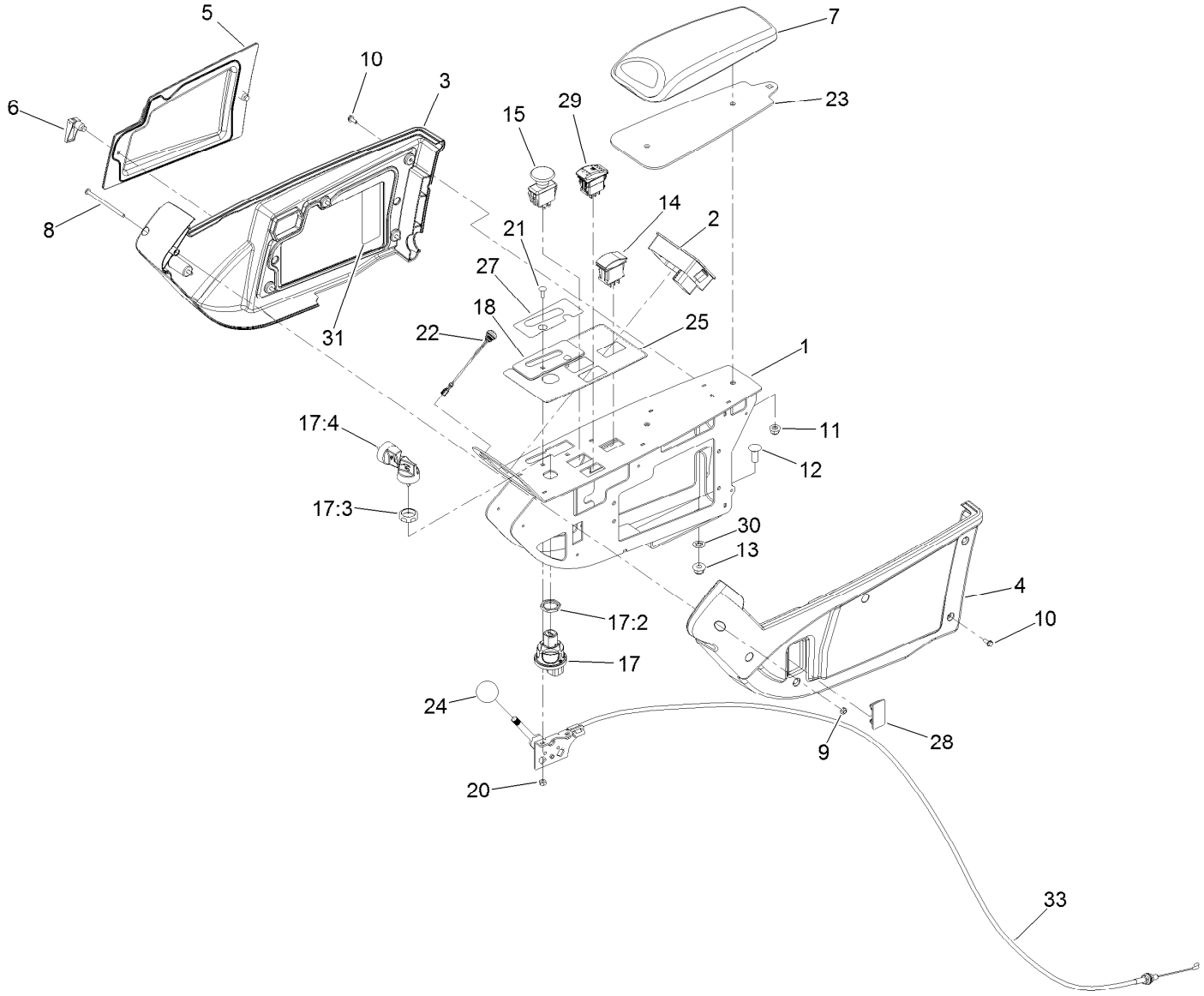
● Not serviced separately




# Traction Pedal Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 138-7477-01 | 1 | Bracket-Pedal, Traction |
| 2 | 256-236 | 2 | Bearing-Mount, Flange |
| 3 | 138-4594 | 1 | Pedal-Traction |
| 4 | 117-9507 | 1 | Pedal-Accelerator |
| 5 | 32121-45 | 1 | Pin-Spring |
| 6 | 3230-23 | 12 | Bolt-CARR |
| 7 | 104-8300 | 12 | Nut-HF, NI |
| 8 | 138-7446-01 | 1 | Bracket-Cable, Traction |
| 9 | 93-2092 | 1 | Clamp-Cable |
| 10 | 3274-10 | 2 | Screw-HSH |
| 11 | 104-8301 | 6 | Nut-HF, NI |
| 12 | 117-5199 | 1 | Hub-Pedal, Traction |
| 13 | 66-8010 | 1 | Spacer |
| 14 | 2411-41 | 2 | Rod End-Ball Joint |
| 15 | 32121-6 | 1 | Pin-Roll, Slotted |
| 16 | 33093-00 | 2 | Washer-Flat |
| 17 | 3256-22 | 2 | Washer-Flat |
| 18 | 321-9 | 2 | Screw-HH |
| 19 | 3296-42 | 2 | Nut-Lock, NI |

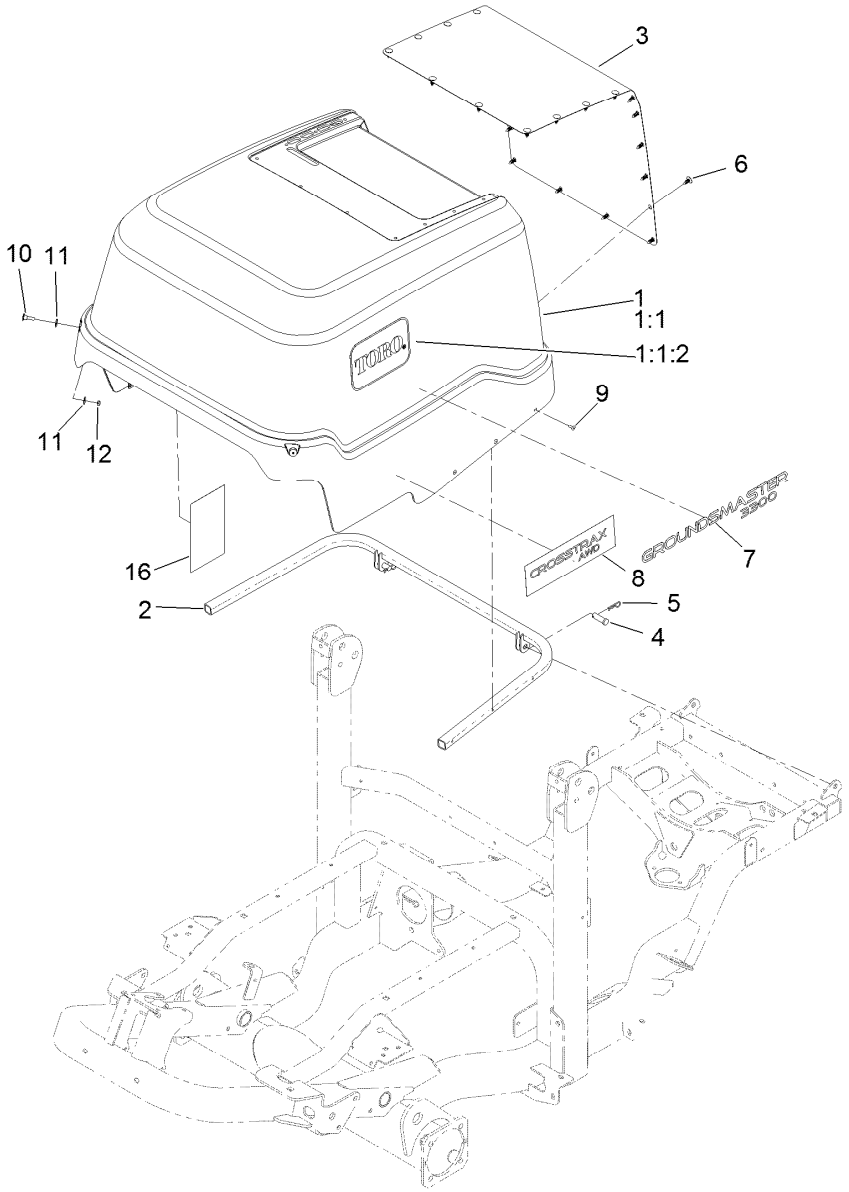
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 137-2601 | 2 | Washer |
| 21 | 137-2568 | 1 | Traction-Cable |
| 22 | 74-9100 | 1 | Pad-Pedal, Forward |
| 23 | 74-9110 | 1 | Pad-Pedal, Reverse |
| 24 | 3231-22 | 4 | Screw-CARR |
| 25 | 130-9691 | 1 | Spacer |
| 26 | 139-6221 | 1 | Seat Box ASM |
| 26:2 | 139-6215 | 1 | Decal-Warning |
| 27 | 115-8240 | 1 | Screw-Elevator |
| 28 | 3218-2 | 2 | Nut-Jam |
| 29 | 138-7422-01 | 2 | Strip-Mount, Seat |
| 30 | 107-1865 | 2 | R-Clamp |
| 31 | 104-7050 | 1 | Tube-Manual |
| 32 | 104-7048 | 1 | Cap-Housing |
| 33 | 1-807512 | 2 | Bolt-CARR |
| 34 | 104-7201 | 2 | Nut-HF |
| 35 | 107-3154 | 4 | Nut-Push |
| 36 | 106-9206 | 2 | Decal-Torque, Wheel |
| 39 | 133-8062 | 1 | Decal-Arrestor, Spark |




# Control Console Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 133-6406-03 | 1 | Panel |
| 2 | 132-9751 | 1 | Tdm 2001 |
| 3 | 108-7605 | 1 | Cover-RH |
| 4 | 108-7604 | 1 | Cover-LH |
| 5 | 108-7616 | 1 | Panel-Access |
| 6 | 74-5950 | 2 | Latch-Swell |
| 7 | 131-9637 | 1 | Armrest-Quick Find |
| 8 | 3250-22 | 1 | Screw-PPH |
| 9 | 3296-12 | 1 | Nut-Lock, NI |
| 10 | 32144-112 | 10 | Screw-HWH |
| 11 | 104-8300 | 2 | Nut-HF, NI |
| 12 | 3231-22 | 2 | Screw-CARR |
| 13 | 104-8301 | 2 | Nut-HF, NI |
| 14 | 100-1535 | 1 | Switch-Rocker, (On)-Off-(On) |
| 15 | 93-9999 | 1 | Switch-PTO |
| 17 | 121-5159 | 1 | Ignition Switch ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17:2 | 121-5160 | 1 | Nut-Hex |
| 17:3 | 121-5161 | 1 | Nut-Face |
| 17:4 | 121-5162 | 1 | Set-Key, Ignition |
| 18 | 137-2510 | 1 | Cover-Throttle, Lever |
| 20 | 3296-2 | 2 | Nut-Lock, NI |
| 21 | 1-807533 | 2 | Bolt-CARR |
| 22 | 136-9678 | 1 | Switch-Pushbutton |
| 23 | 138-4548-03 | 1 | Plate-Spacer, Console Pad |
| 24 | 1-603175 | 1 | Knob-Ball |
| 25 | 138-7471 | 1 | Decal-Console |
| 27 | 138-7473 | 1 | Decal-Throttle |
| 28 | 99-7420 | 1 | Plug-Hole |
| 29 | 110-0811 | 1 | Switch-Rocker On-None-(On) |
| 30 | 107-3154 | 2 | Nut-Push |
| 31 | 140-3125 | 1 | Decal-Fuse |
| 33 | 139-6266 | 1 | Cable-Throttle |

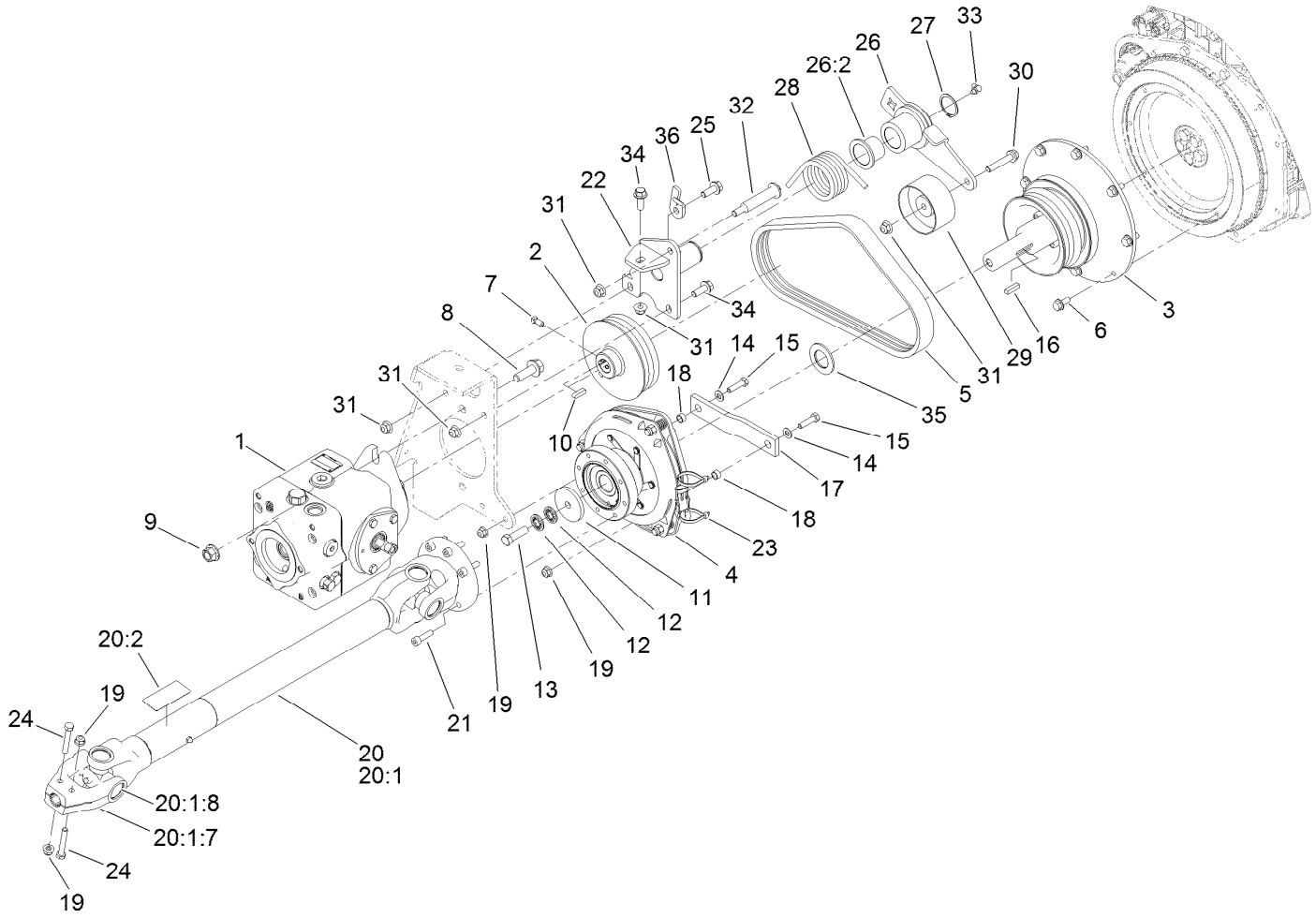



# Hood Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 138-7330SP | 1 | Hood |
| 1:1 | | 1 | Hood ASM ■ |
| 1:1:2 | 62-7400 | 2 | Decal |
| 1:2 | 139-6225 | 1 | Tape-Heat, Hood Front ● |
| 1:3 | 139-6226 | 1 | Tape-Heat, Hood Rear ● |
| 1:4 | 139-6227 | 1 | Tape-Heat, Hood Side ● |
| 2 | 138-7331-03 | 1 | Support-Hood |
| 3 | 138-7474-03 | 1 | Screen-Cooler |
| 4 | 283-68 | 2 | Pin-Clevis |
| 5 | 3290-467 | 2 | Pin-Hair |
| 6 | 117-2382 | 24 | Plug-Plastic |
| 7 | 139-6152 | 2 | Decal-Identification |
| 8 | 110-8859 | 2 | Decal |
| 9 | 114439 | 10 | Rivet-Blind |
| 10 | 139-0855 | 2 | Screw-Countersunk, Oval |
| 11 | 3256-2 | 4 | Washer-Flat |
| 12 | 3296-56 | 2 | Nut-Lock, NI |
| 16 | 144-0454 | 1 | Decal-Service, Gm 3300/3310 Row |

● Not illustrated

■ Not serviced separately

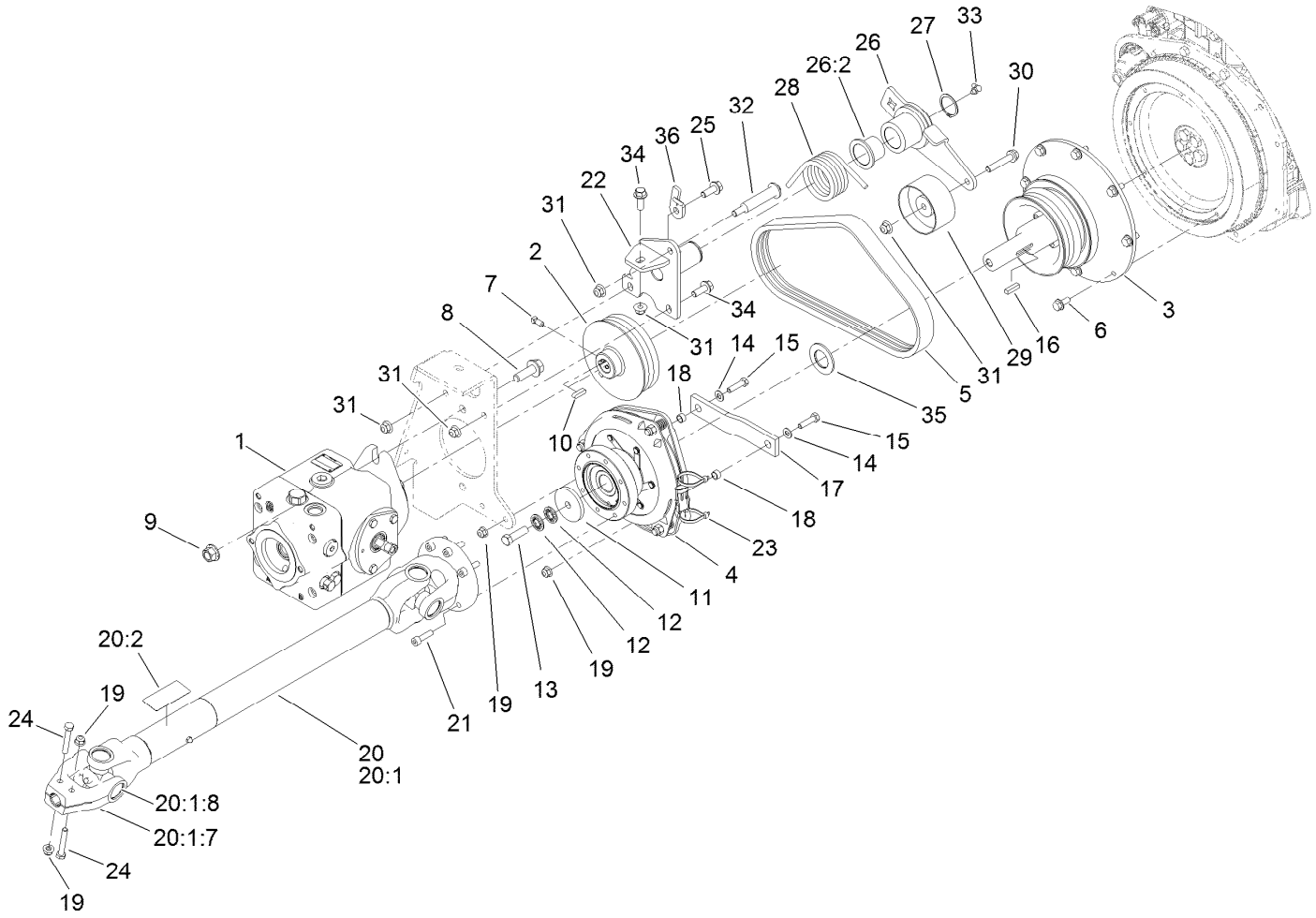



# Hydraulic PTO Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 138-0305 | 1 | Variable Piston Pump ASM |
| 2 | 139-6257 | 1 | Pulley-3/3V |
| 3 | 139-6258 | 1 | Stubshaft-3/3V |
| 4 | 139-6165 | 1 | Clutch |
| 5 | 139-6259 | 1 | Belt-3/3V |
| 6 | 138-0690 | 8 | Screw-HH |
| 7 | 1-803022 | 2 | Screw-Set |
| 8 | 100-6116 | 2 | Screw-HHF |
| 9 | 99-5107 | 2 | Nut-Lock |
| 10 | 94-3645 | 1 | Key |
| 11 | 139-6238 | 1 | Washer |
| 12 | 1-603610 | 2 | Washer-Spring |
| 13 | 109-9761 | 1 | Screw-HH |
| 14 | 3256-23 | 2 | Washer-Plain |
| 15 | 322-6 | 2 | Screw-HH |
| 16 | 1-807259 | 1 | Key |
| 17 | 139-6278 | 1 | Strap-Clutch Stop |
| 18 | 65-9820 | 2 | Spacer |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 104-8300 | 5 | Nut-HF, NI |
| 20 | 139-6292 | 1 | Driveshaft ASM |
| 20:1 | | 1 | Shaft-Drive ● |
| 20:1:7 | 144-0468 | 1 | Yoke-End, Splined |
| 20:1:8 | 144-0550 | 2 | Bearing-Cross Joint |
| 20:2 | 139-6304 | 1 | Decal-Danger, Entanglement |
| 21 | 144-0452 | 6 | Screw-Hex Socket |
| 22 | 140-3091 | 1 | Idler Pivot ASM |
| 23 | 3290-378 | 2 | Tie-Cable |
| 24 | 112-3305 | 2 | Screw-HH |
| 25 | 3234-24 | 1 | Screw-HHF |
| 26 | 140-3100 | 1 | Idler Arm ASM |
| 26:2 | 93-4510 | 2 | Bushing-Caster |
| 27 | 32120-84 | 1 | Ring-Snap, External |
| 28 | 140-3102 | 1 | Spring-Torsion |
| 29 | 140-3101 | 1 | Pulley-Flat |
| 30 | 108-3742 | 1 | Screw-HHF |

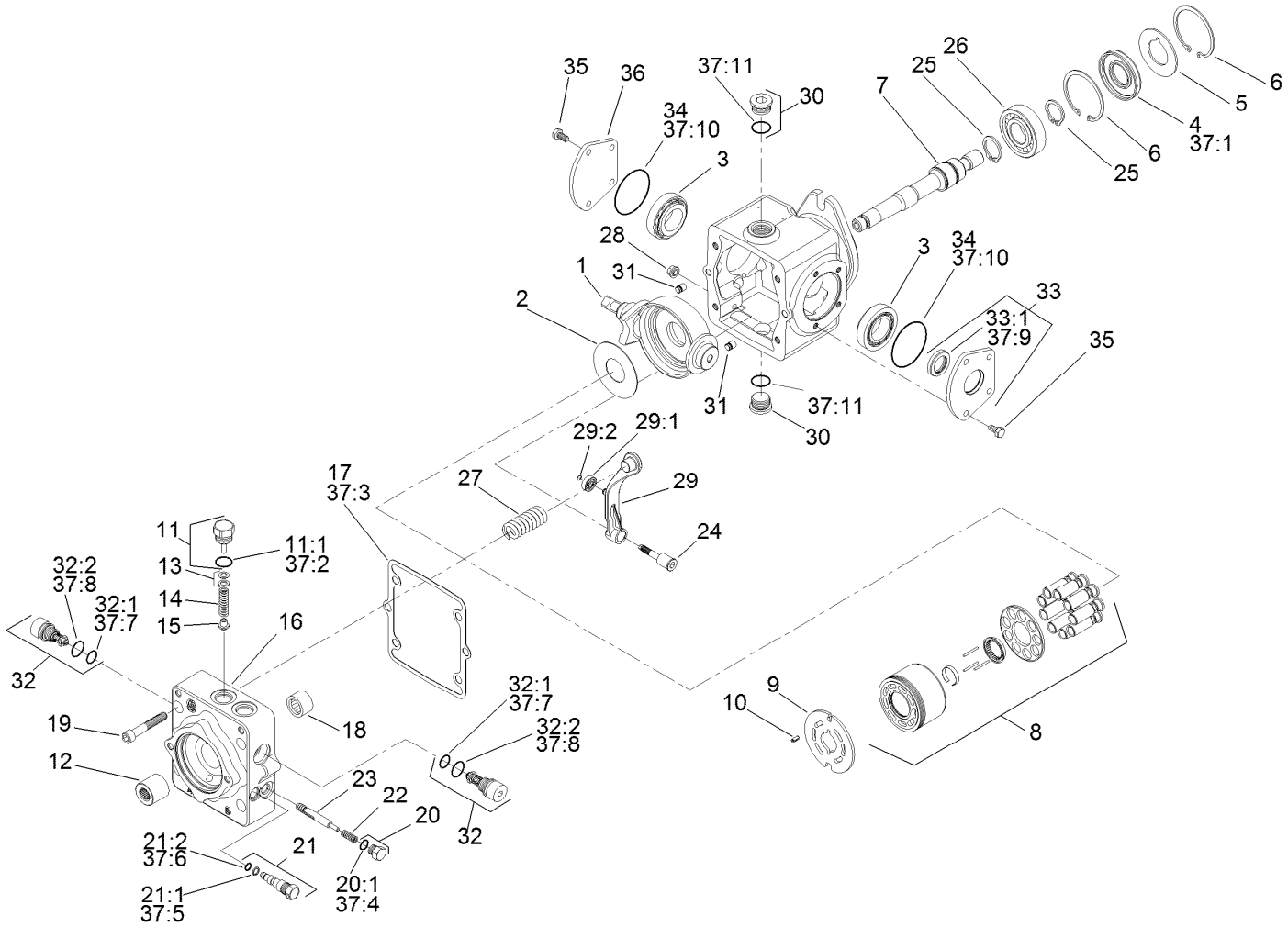
● Not serviced separately




# Hydraulic PTO Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 31 | 104-8301 | 5 | Nut-HF, NI |
| 32 | 112-3977 | 1 | Bolt-Shoulder |
| 33 | 302-40 | 1 | Fitting-Grease, 90 DEG |
| 34 | 3234-42 | 2 | Screw-HHF |
| 35 | 139-6239 | 1 | Washer |
| 36 | 144-0477 | 1 | Tab-Spring Retainer |

● Not serviced separately



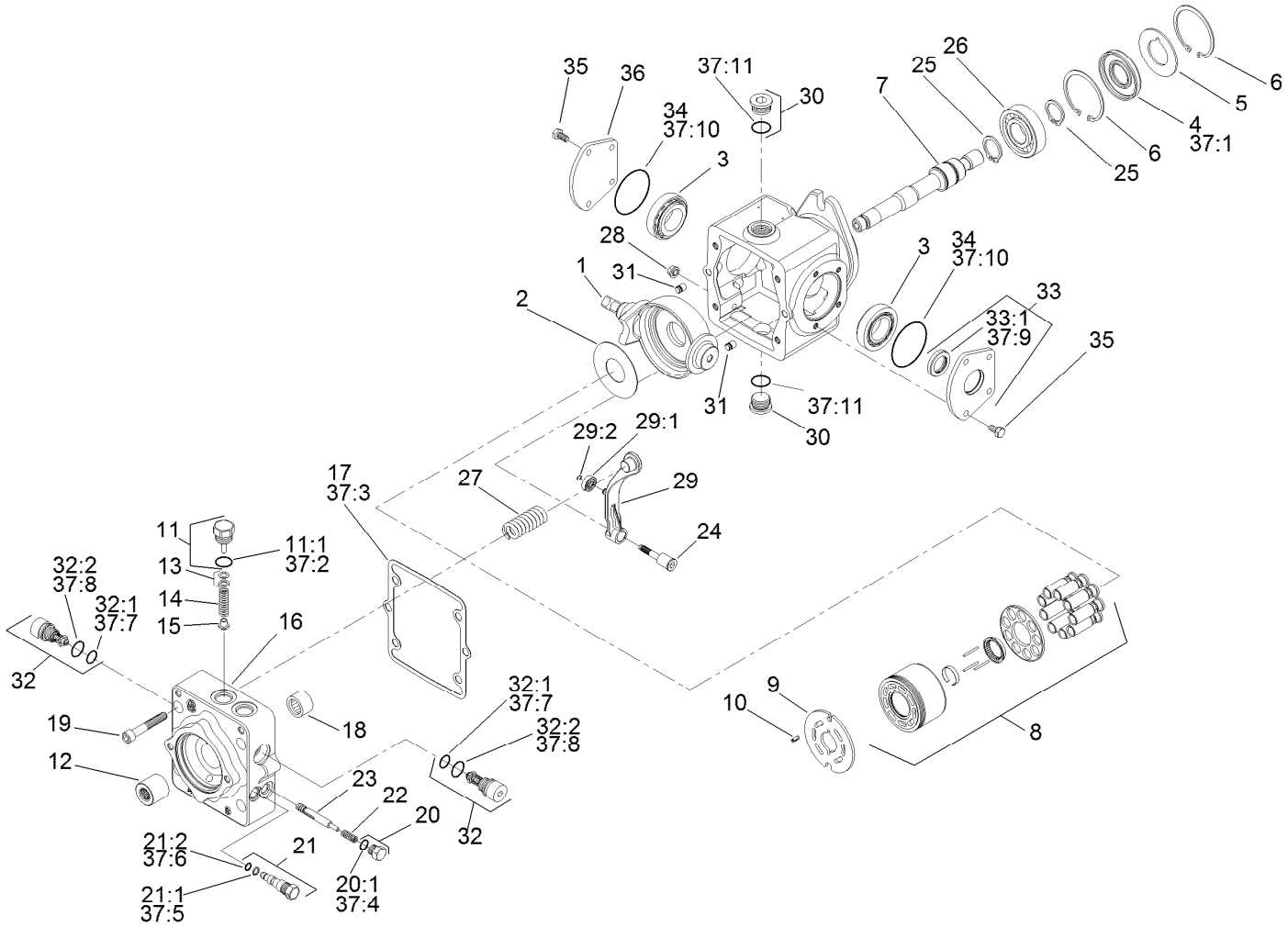

# Variable Piston Pump Assembly No. 138-0305

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 140-3111 | 1 | Plate-Swash |
| 2 | 75-0400 | 1 | Plate-Thrust |
| 3 | 110-6483 | 2 | Bearing Kit |
| 4 | 110-6471 | 1 | Seal-Lip |
| 5 | 95-4400 | 1 | Washer-Backup |
| 6 | 131-8616 | 2 | Ring-Retaining |
| 7 | 140-3113 | 1 | Shaft |
| 8 | 110-6472 | 1 | Cylinder Block Kit ASM |
| 9 | 140-3114 | 1 | Plate-Valve, CW |
| 10 | 131-3800 | 1 | Pin-Slotted |
| 11 | 110-6486 | 1 | Plug-Relief, Charge |
| 11:1 | 28-3570 | 1 | O-Ring |
| 12 | 140-3122 | 1 | Coupling |
| 13 | 140-3115 | 1 | Shim Kit |
| 14 | 110-6474 | 1 | Spring |
| 15 | 110-6475 | 1 | Poppet |
| 16 | 115-8087 | 1 | Cap-End |
| 17 | 110-6476 | 1 | Gasket-Cap, End |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 75-0500 | 1 | Bearing-Needle |
| 19 | 110-6489 | 4 | Screw |
| 20 | 94-9415 | 2 | Plug ASM |
| 20:1 | | 1 | O-Ring ■ |
| 21 | 107-4364 | 1 | Bypass Valve ASM |
| 21:1 | 25-2630 | 1 | Ring-Back Up |
| 21:2 | 110-6498 | 1 | O-Ring |
| 22 | 140-3116 | 2 | Spring |
| 23 | 110-6492 | 1 | Spool-Loop, Flush |
| 24 | 110-6493 | 1 | Pivot-Return, Neutral |
| 25 | 125-5280 | 2 | Ring-Retaining |
| 26 | 75-0460 | 1 | Bearing-Ball |
| 27 | 140-3117 | 1 | Spring-Neutral Return |
| 28 | 110-6496 | 1 | Nut-Seal |
| 29 | 110-6497 | 1 | Neutral Return Arm ASM |
| 29:1 | 110-6494 | 1 | Bearing-Cam |
| 29:2 | 110-3056 | 1 | Ring-Retaining |
| 30 | 69-3130 | 2 | Plug |

● Not illustrated

■ Not serviced separately



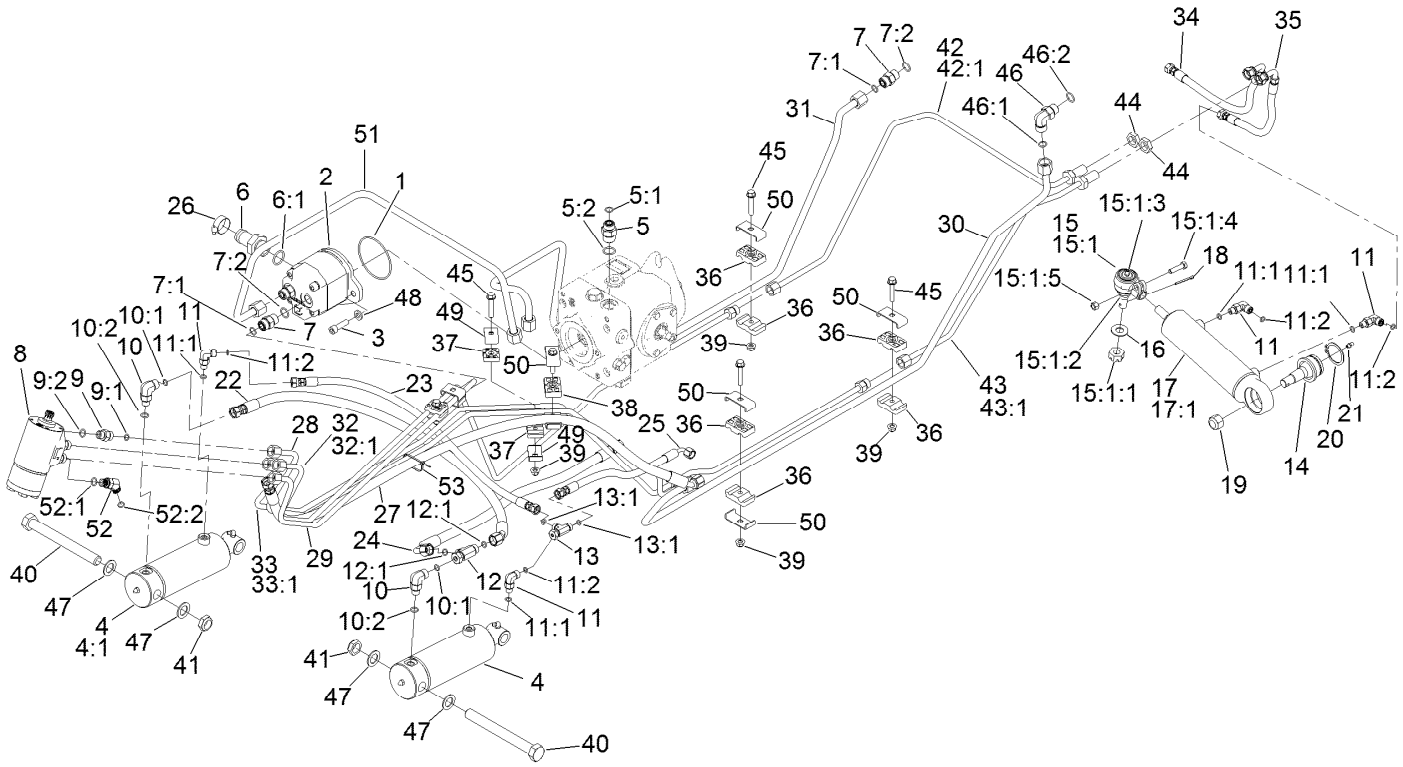

# Variable Piston Pump Assembly No. 138-0305 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 31 | 112-0158 | 2 | Pin |
| 32 | 110-6477 | 2 | Valve-Relief |
| 32:1 | 75-0240 | 1 | O-Ring |
| 32:2 | 84-0560 | 1 | O-Ring |
| 33 | 110-6499 | 1 | Trunnion Cover ASM |
| 33:1 | 110-6478 | 1 | Seal-Lip |
| 34 | 84-0430 | 2 | O-Ring |
| 35 | 112-0151 | 8 | Screw |
| 36 | 84-0440 | 1 | Cover-Trunnion |
| 37 | 110-6481 | 1 | Seal Kit ● |
| 37:1 | 110-6471 | 1 | Seal-Lip |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 37:2 | 28-3570 | 1 | O-Ring |
| 37:3 | 110-6476 | 1 | Gasket-Cap, End |
| 37:4 | 131-8631 | 2 | O-Ring |
| 37:5 | 25-2630 | 1 | Ring-Back Up |
| 37:6 | 110-6498 | 1 | O-Ring |
| 37:7 | 75-0240 | 2 | O-Ring |
| 37:8 | 84-0560 | 2 | O-Ring |
| 37:9 | 110-6478 | 1 | Seal-Lip |
| 37:10 | 84-0430 | 2 | O-Ring |
| 37:11 | 131-8614 | 2 | O-Ring |

● Not illustrated

■ Not serviced separately

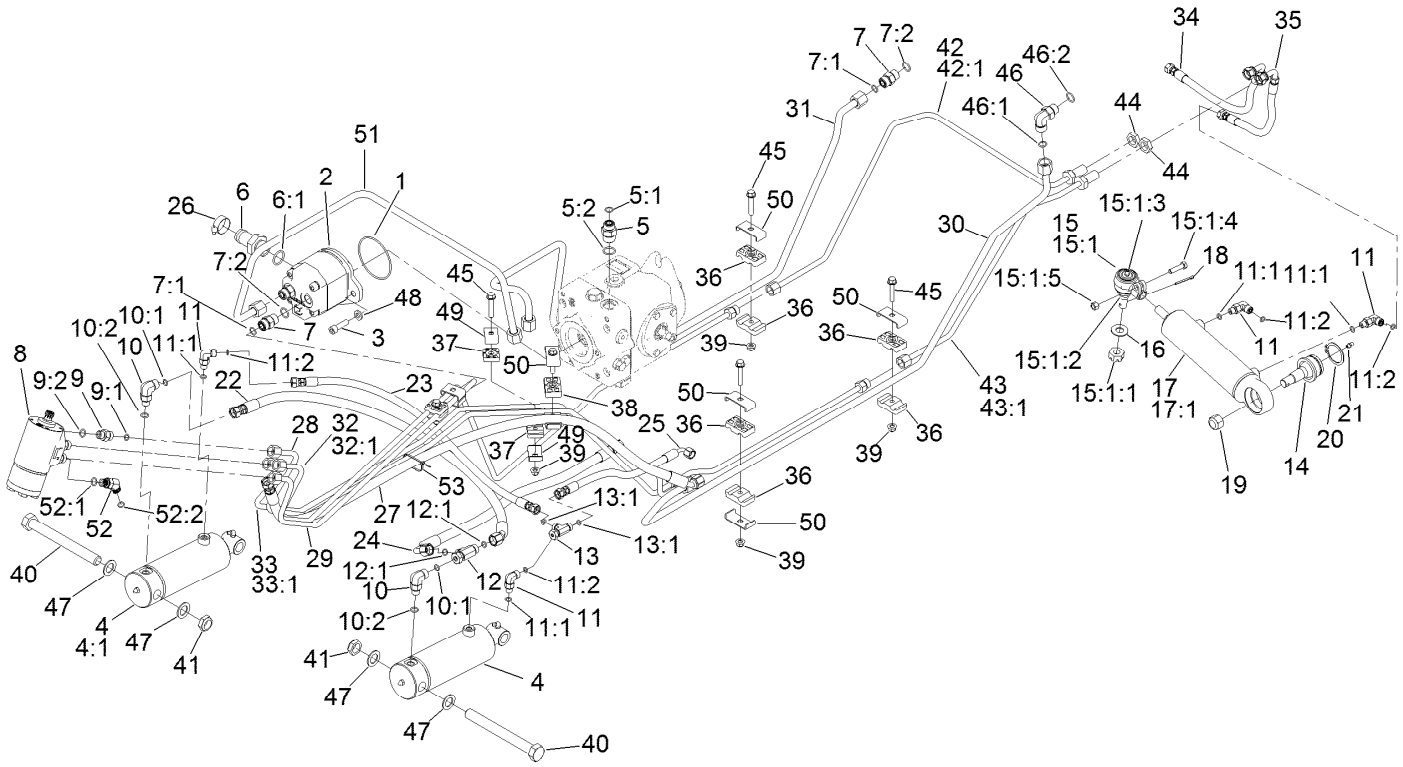



# Hydraulic Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 237-161 | 1 | O-Ring |
| 2 | 138-0321 | 1 | Pump-Gear |
| 3 | 3274-1 | 2 | Screw-HSH |
| 4 | 139-0854 | 2 | Cylinder-Hydraulic |
| 4:1 | 140-3110 | 1 | Kit-Seal |
| 5 | 340-6 | 1 | Fitting-Straight |
| 5:1 | 237-30 | 1 | O-Ring |
| 5:2 | 237-80 | 1 | O-Ring |
| 6 | 99-3017 | 1 | Fitting |
| 6:1 | 237-81 | 1 | O-Ring |
| 7 | 340-4 | 3 | Fitting-Straight |
| 7:1 | 237-30 | 1 | O-Ring |
| 7:2 | 237-79 | 1 | O-Ring |
| 8 | 114-8119 | 1 | Steering Valve ASM |
| 9 | 340-2 | 4 | Fitting-Straight |
| 9:1 | 237-22 | 1 | O-Ring |
| 9:2 | 237-42 | 1 | O-Ring |
| 10 | 340-77 | 2 | Fitting-Elbow, 90 DEG |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10:1 | 237-22 | 1 | O-Ring |
| 10:2 | 237-42 | 1 | O-Ring |
| 11 | 340-132 | 4 | Fitting-Elbow, 90 DEG |
| 11:1 | 237-78 | 1 | O-Ring |
| 11:2 | 237-21 | 1 | O-Ring |
| 12 | 340-115 | 1 | Fitting-Tee |
| 12:1 | 237-22 | 2 | O-Ring |
| 13 | 340-151 | 1 | Fitting-Tee |
| 13:1 | 237-21 | 2 | O-Ring |
| 14 | 106-6774 | 1 | Joint-Ball |
| 15 | 106-6895-03 | 1 | Ball Joint ASM |
| 15:1 | | 1 | Joint-Ball ● |
| 15:1:1 | 32136-13 | 1 | Nut-SHH |
| 15:1:2 | 106-6896 | 1 | Seal |
| 15:1:3 | 302-5 | 1 | Fitting-Grease |
| 15:1:4 | 3210-7 | 1 | Screw-HH |
| 15:1:5 | 32152-5 | 1 | Nut-Hex |
| 16 | 69-8980 | 1 | Washer |

● Not serviced separately

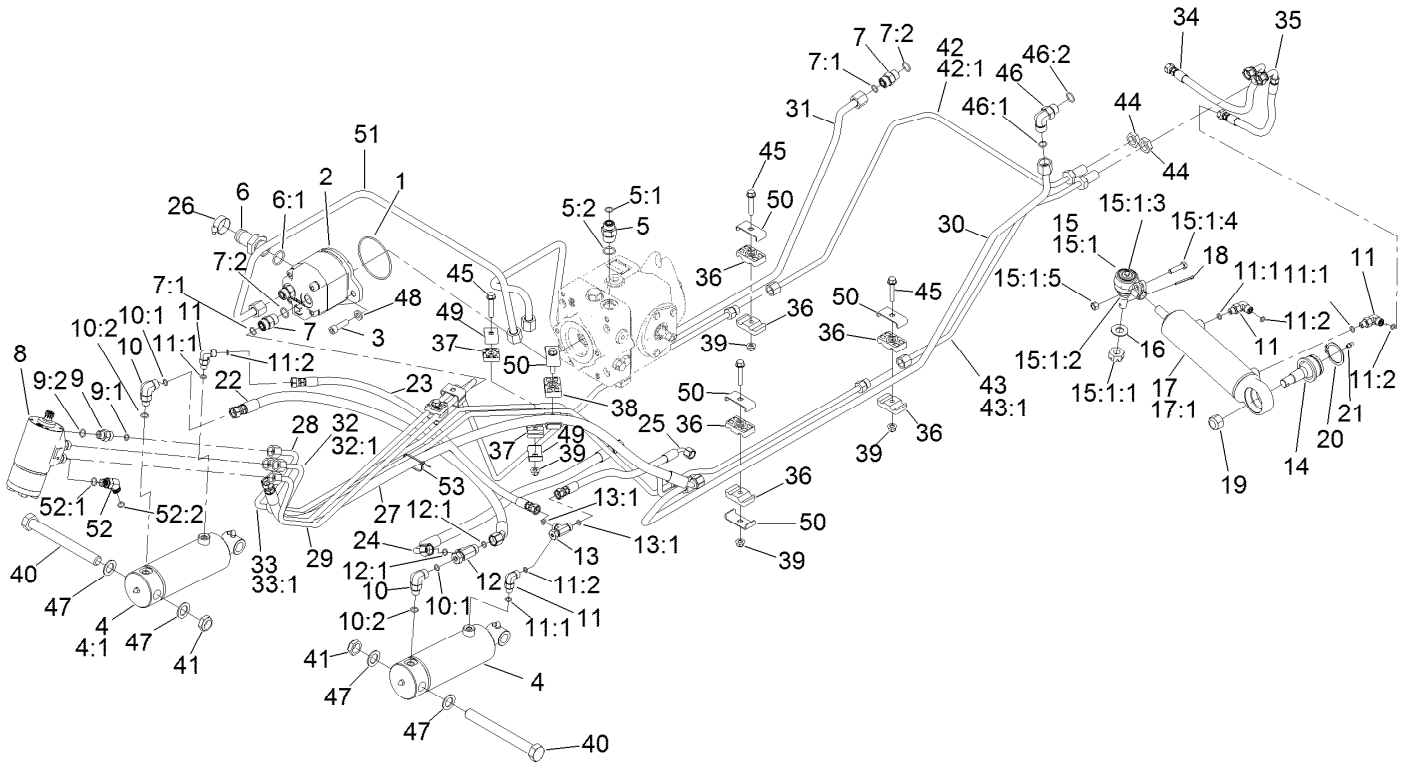



# Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 139-6277 | 1 | Steering Cylinder |
| 17:1 | 140-3120 | 1 | Kit-Seal |
| 18 | 3272-12 | 1 | Pin-Cotter |
| 19 | 3220-6 | 2 | Nut-Jam |
| 20 | 32151-104 | 1 | Ring-Retaining, External |
| 21 | 302-5 | 1 | Fitting-Grease |
| 22 | 137-5844 | 1 | Hose ASM |
| 23 | 137-5845 | 1 | Hose ASM |
| 24 | 137-5846 | 1 | Hose ASM |
| 25 | 137-5847 | 1 | Hose ASM |
| 26 | 2412-34 | 1 | Clamp-Hose |
| 27 | 140-3097 | 1 | Hose ASM |
| 28 | 138-0331 | 1 | Hydraulic Tube ASM |
| 29 | 138-0332 | 1 | Hydraulic Tube ASM |
| 30 | 138-7448 | 1 | Hydraulic Tube ASM |
| 31 | 138-7447 | 1 | Hydraulic Tube ASM |
| 32 | 138-0333 | 1 | Hydraulic Tube ASM |
| 32:1 | 237-22 | 1 | O-Ring |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 33 | 138-0336 | 1 | Hydraulic Tube ASM |
| 33:1 | 237-22 | 1 | O-Ring |
| 34 | 115-0383 | 1 | Hose ASM |
| 35 | 137-2584 | 1 | Hose ASM |
| 36 | 56-7972 | 8 | Clamp-Tube |
| 37 | 56-7973 | 4 | Clamp-Tube |
| 38 | 56-7970 | 2 | Clamp-Tube |
| 39 | 104-8300 | 7 | Nut-HF, NI |
| 40 | 328-23 | 2 | Screw-HH |
| 41 | HDW02059 | 2 | Nut-Hex |
| 42 | 138-0343 | 1 | Hydraulic Tube ASM |
| 42:1 | 237-22 | 1 | O-Ring |
| 43 | 138-0344 | 1 | Hydraulic Tube ASM |
| 43:1 | 237-22 | 1 | O-Ring |
| 44 | 340-70 | 2 | Nut-Lock |
| 45 | 3230-5 | 7 | Bolt-CARR |
| 46 | 340-98 | 1 | Fitting-Elbow, 90 DEG |
| 46:1 | 237-79 | 1 | O-Ring |

● Not serviced separately

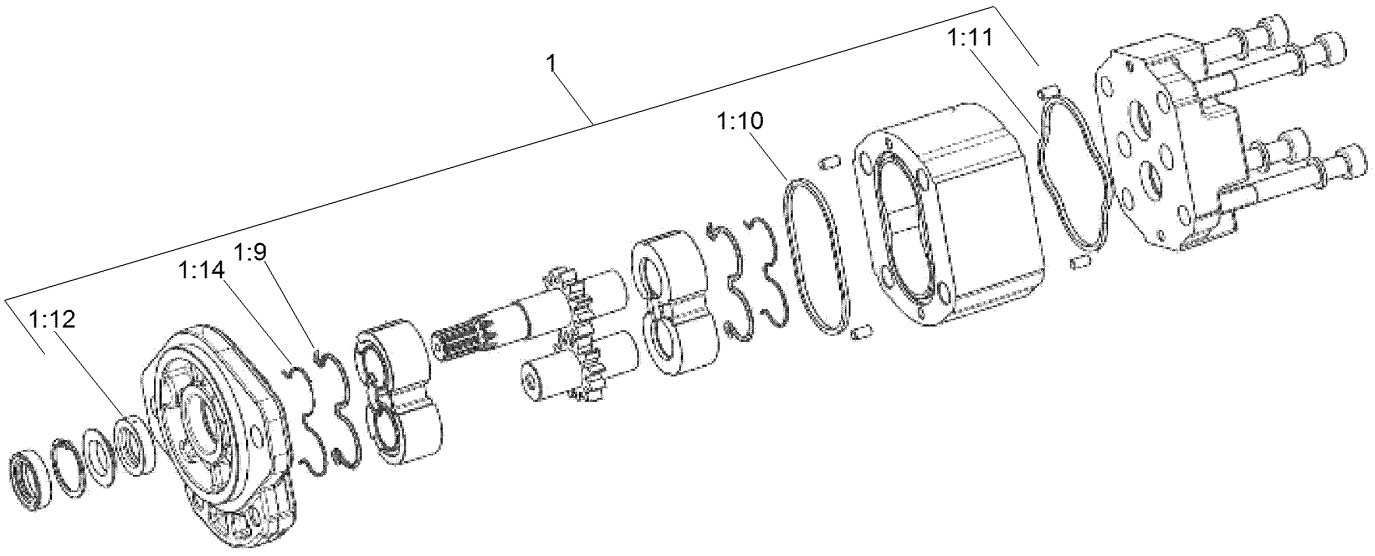



# Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 46:2 | 237-30 | 1 | O-Ring |
| 47 | 126-7888 | 4 | Washer-Nylon |
| 48 | 139-6293 | 2 | Washer |
| 49 | 119-1418 | 4 | Plate-Clamp, Short |
| 50 | 119-1419 | 8 | Plate-Clamp |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 51 | 138-0342 | 1 | Hydraulic Tube ASM |
| 52 | 340-87 | 1 | Fitting-Elbow, 45 DEG |
| 52:1 | 237-22 | 1 | O-Ring |
| 52:2 | 237-42 | 1 | O-Ring |
| 53 | 3290-378 | 1 | Tie-Cable |

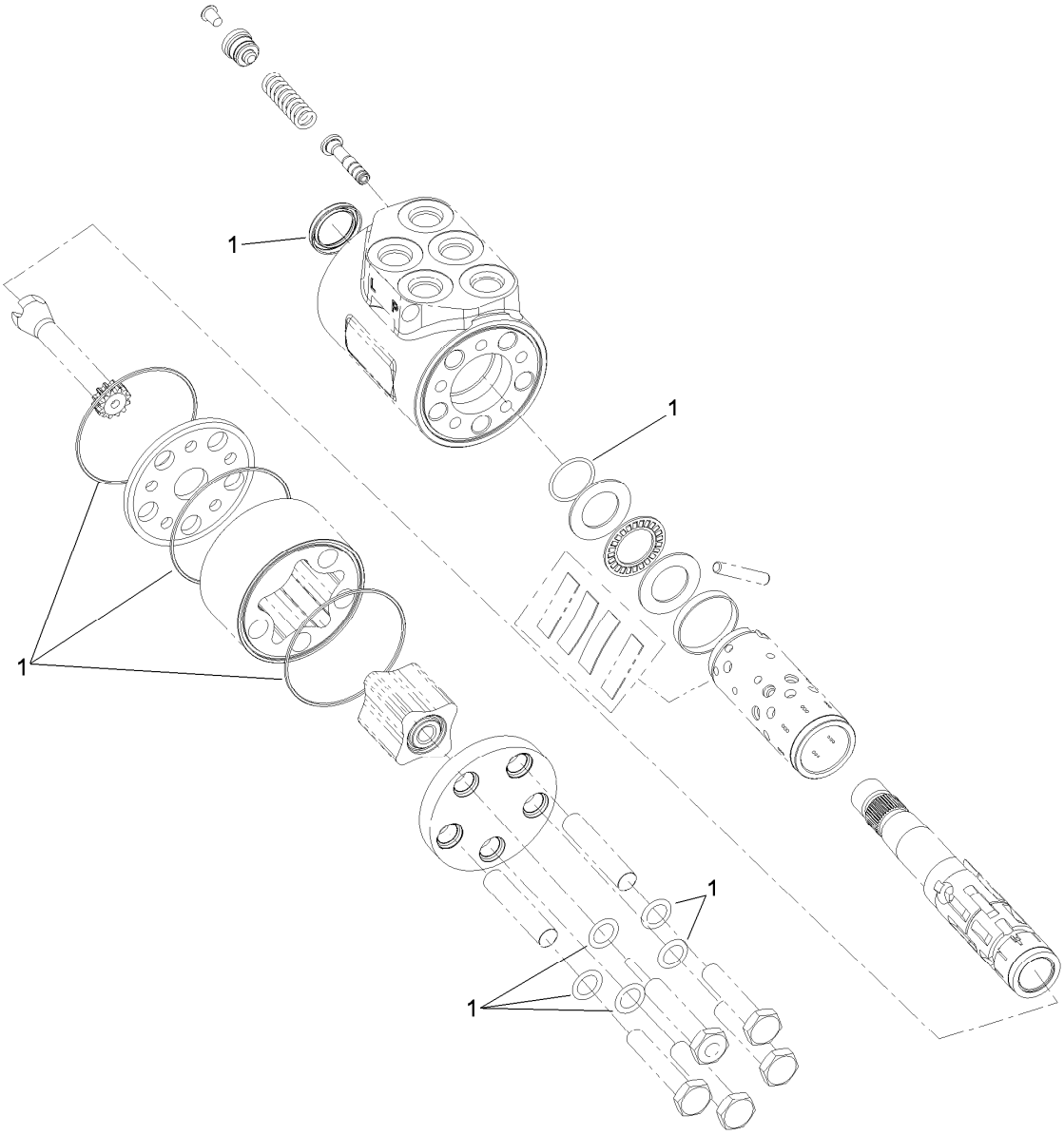
● Not serviced separately




# Gear Pump Assembly No. 138-0321

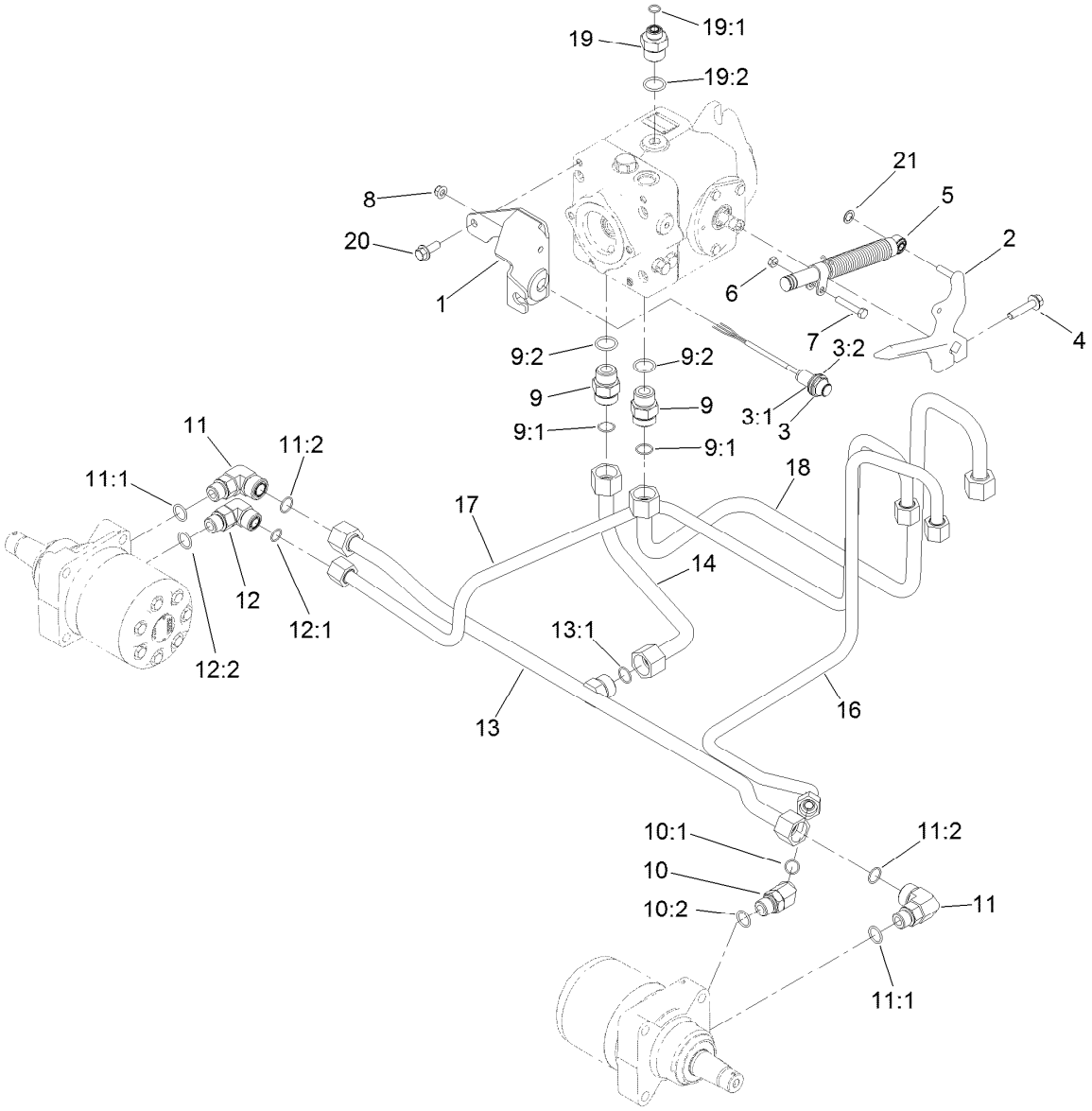
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 139-6299 | 1 | Kit-Seal |
| 1:9 | | 1 | Seal ● |
| 1:10 | | 1 | Seal-Standard ● |
| 1:11 | | 1 | Seal-Square ● |
| 1:12 | | 1 | Seal-Shaft ● |
| 1:14 | | 1 | Anti Extrusion ● |

● Not serviced separately




# Steering Valve Assembly No. 114-8119

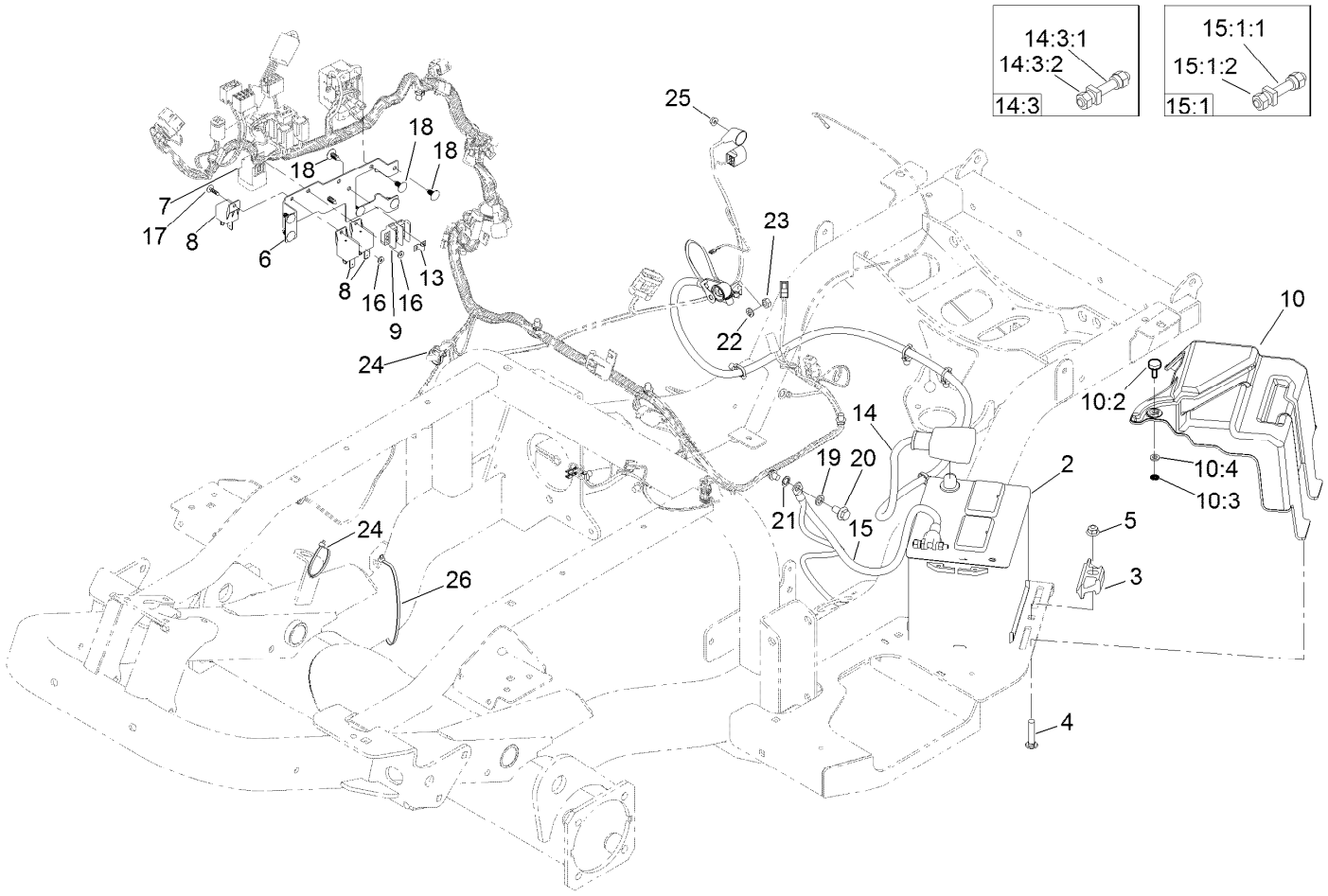
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 106-6716 | 1 | Seal Kit |




# Traction Hydraulic Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 139-6195-03 | 1 | Bracket-Support, Cable |
| 2 | 138-6378 | 1 | Lever-Pump |
| 3 | 115-5300 | 1 | Proximity Switch ASM |
| 3:1 | 117-3207 | 2 | Nut-Hex |
| 3:2 | 117-3208 | 2 | Washer-Lock, Internal Tooth |
| 4 | 3234-19 | 1 | Screw-HHF |
| 5 | 138-4467 | 1 | Damper |
| 6 | 3218-2 | 1 | Nut-Jam |
| 7 | 322-10 | 1 | Screw-HH |
| 8 | 104-8300 | 1 | Nut-HF, NI |
| 9 | 340-9 | 2 | Fitting-STR |
| 9:1 | 237-58 | 1 | O-Ring |
| 9:2 | 237-81 | 1 | O-Ring |
| 10 | 340-14 | 1 | Fitting-HYD, 45 DEG |
| 10:1 | 237-65 | 1 | O-Ring |
| 10:2 | 237-80 | 1 | O-Ring |
| 11 | 340-16 | 2 | Fitting-HYD, 90 DEG |

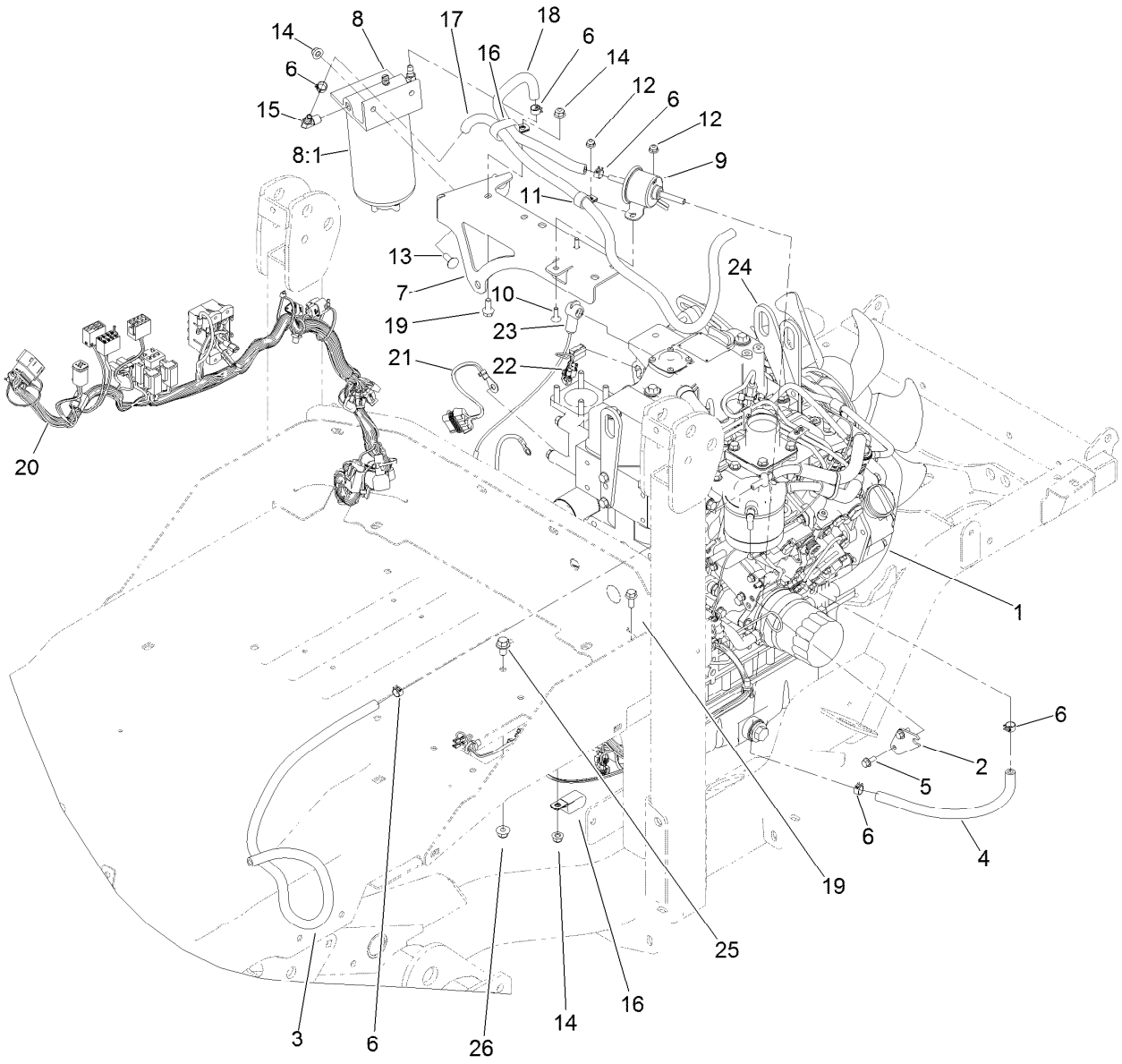
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 11:1 | 237-80 | 1 | O-Ring |
| 11:2 | 237-58 | 1 | O-Ring |
| 12 | 340-17 | 1 | Fitting-Elbow, 90 DEG |
| 12:1 | 237-65 | 1 | O-Ring |
| 12:2 | 237-80 | 1 | O-Ring |
| 13 | 138-0340 | 1 | Hydraulic Tube ASM |
| 13:1 | 237-58 | 1 | O-Ring |
| 14 | 138-0341 | 1 | Hydraulic Tube ASM |
| 16 | 138-0345 | 1 | Hydraulic Tube ASM |
| 17 | 138-0346 | 1 | Hydraulic Tube ASM |
| 18 | 138-0339 | 1 | Hydraulic Tube ASM |
| 19 | 100-4240 | 1 | Fitting-STR |
| 19:1 | 237-30 | 1 | O-Ring |
| 19:2 | 237-81 | 1 | O-Ring |
| 20 | 3234-42 | 2 | Screw-HHF |
| 21 | 32151-72 | 1 | Ring-Retaining |




# Electrical Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 106-5187 | 1 | Battery, 525 CCA W/O Electrolyte |
| 3 | 138-6335 | 1 | Retainer-Battery |
| 4 | 3231-29 | 1 | Screw-CARR |
| 5 | 104-8301 | 1 | Nut-HF, NI |
| 6 | 138-7467-03 | 1 | Bracket-Electrical |
| 7 | 99-7430 | 1 | Relay-Mini |
| 8 | 99-7435 | 3 | Relay |
| 9 | 42862 | 1 | Block-Terminal, Ground |
| 10 | 140-9010 | 1 | Battery Cover ASM |
| 10:2 | 140-9033 | 1 | Knob-Stud |
| 10:3 | 32115-15 | 1 | Nut-Push |
| 10:4 | 3256-22 | 1 | Washer-Flat |
| 13 | 42863 | 1 | Strip-Jumper |
| 14 | 122-1275 | 1 | Positive Battery Cable ASM |
| 14:3 | 112-9921 | 1 | Bolt ASM |
| 14:3:1 | 32180-107 | 1 | Bolt-Clamp, Battery |

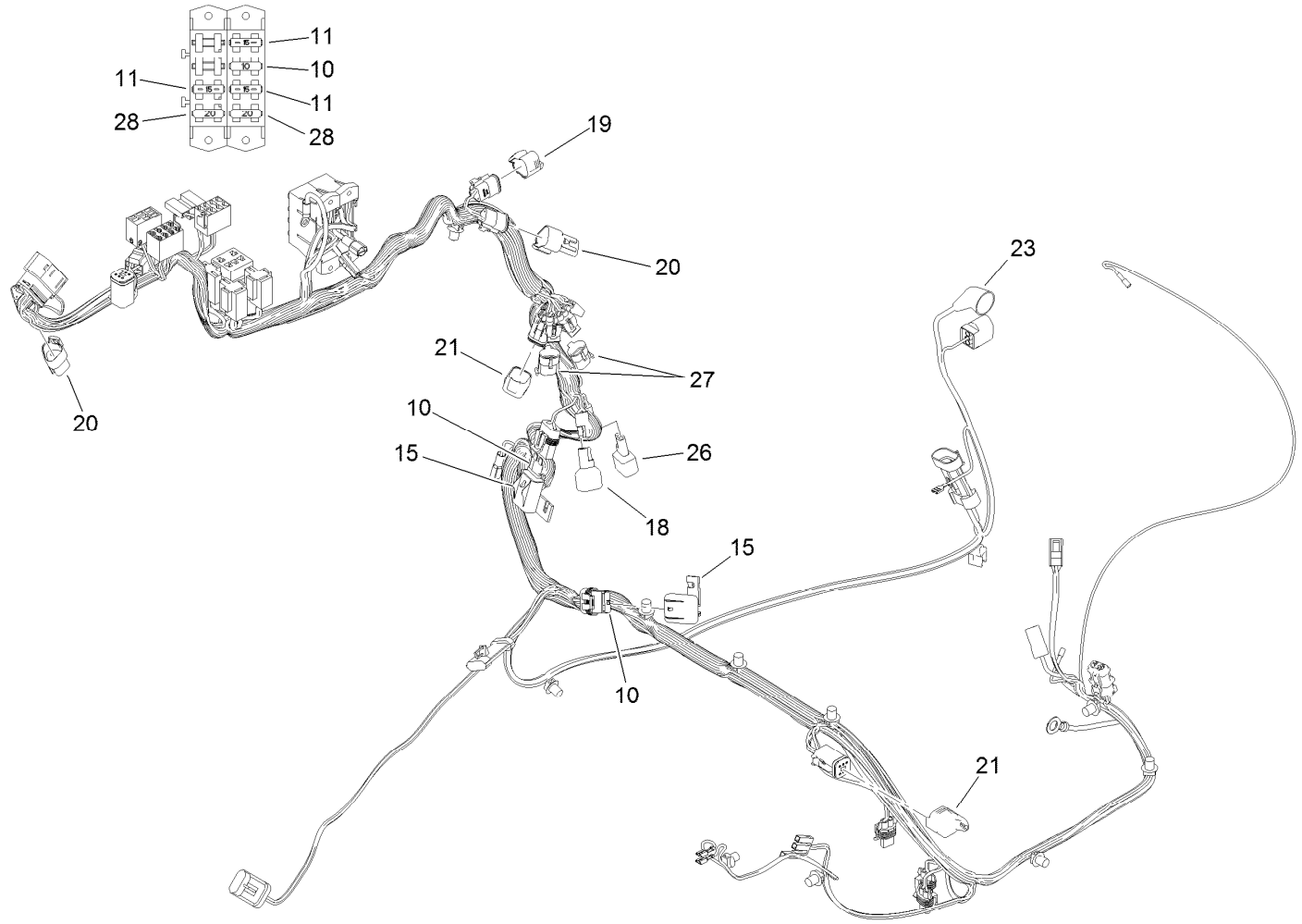
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14:3:2 | 32180-108 | 2 | Nut-Clamp, Battery |
| 15 | 122-1276 | 1 | Negative Battery Cable ASM |
| 15:1 | 112-9921 | 1 | Bolt ASM |
| 15:1:1 | 32180-107 | 1 | Bolt-Clamp, Battery |
| 15:1:2 | 32180-108 | 2 | Nut-Clamp, Battery |
| 16 | 3256-21 | 2 | Washer-Flat |
| 17 | 125-8067 | 2 | Plug-Plastic |
| 18 | 117-2382 | 8 | Plug-Plastic |
| 19 | 48-9590 | 1 | Washer-Lock |
| 20 | 33105-020 | 1 | Screw-HHF |
| 21 | 3254-6 | 1 | Washer-Lock, Internal |
| 22 | 3253-4 | 1 | Washer-Lock |
| 23 | 33014-00 | 1 | Nut-Hex |
| 24 | 3290-378 | 2 | Tie-Cable |
| 25 | 33003-00 | 1 | Nut-HF |
| 26 | 3290-379 | 1 | Tie-Cable |




# Engine and electrical Assembly

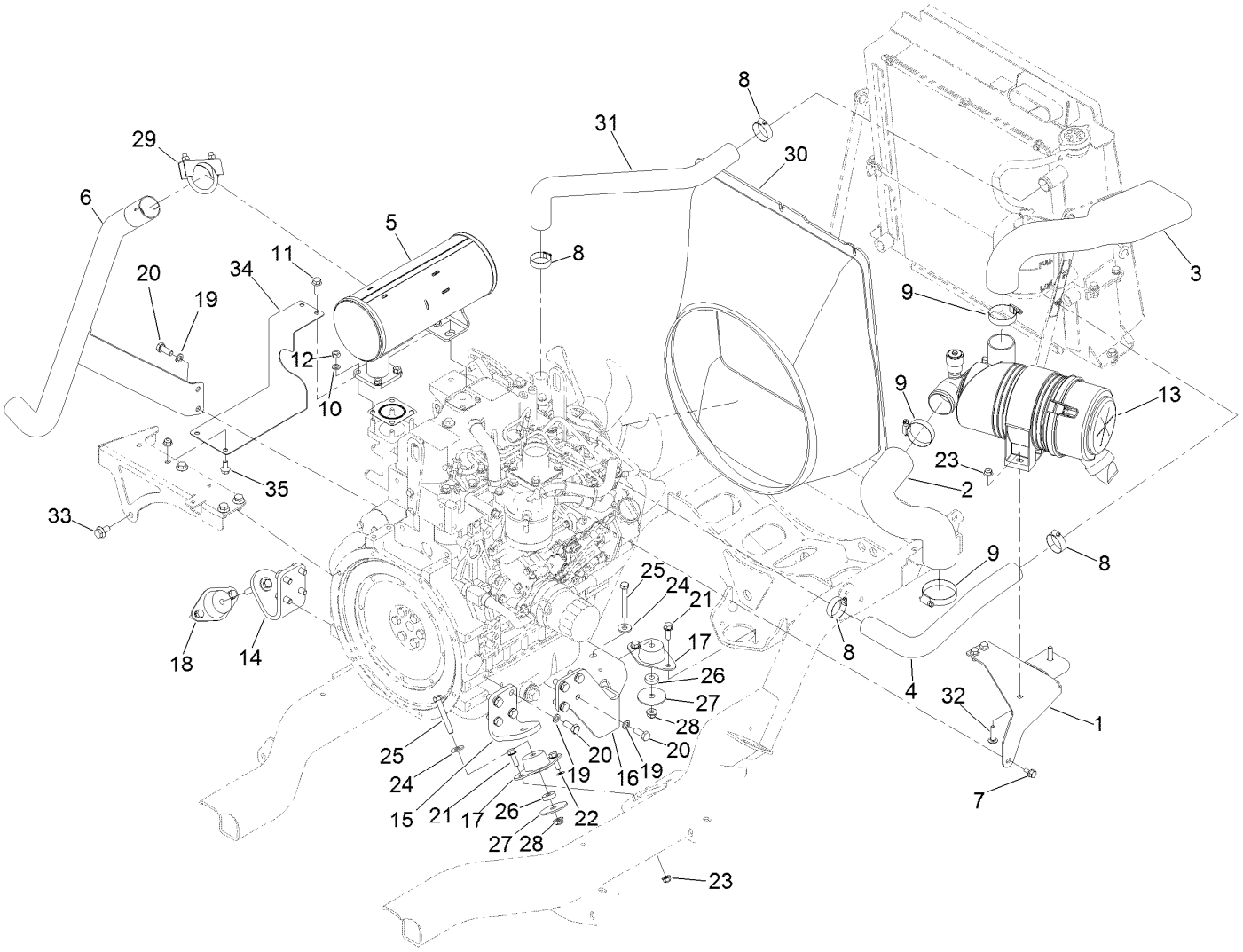
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 139-6249 | 1 | Engine-Yanmar |
| 2 | 139-6267 | 1 | Plate-Throttle |
| 3 | 110-9662 | 1 | Hose-Fuel |
| 4 | 110-4104 | 1 | Hose-Fuel |
| 5 | 33103-016 | 2 | Screw-HHF |
| 6 | 92-2379 | 6 | Clamp-Hose |
| 7 | 138-4532-03 | 1 | Bracket-Mount, Filter |
| 8 | 125-2914 | 1 | Filter-Separator |
| 8:1 | 125-2915 | 1 | Filter-Fuel/Water Separator |
| 9 | 121-5613 | 1 | Pump-Fuel, Electric |
| 10 | 1-807512 | 2 | Bolt-CARR |
| 11 | 2412-87 | 1 | Clamp-Cable |
| 12 | 104-7201 | 2 | Nut-HF |
| 13 | 3230-10 | 2 | Bolt-CARR |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 104-8300 | 4 | Nut-HF, NI |
| 15 | 353-781 | 2 | Fitting-HYD, 90 |
| 16 | 120-1959 | 2 | Clamp |
| 17 | 126-1805 | 1 | Hose |
| 18 | 110-4101 | 1 | Hose-Fuel |
| 19 | 3234-47 | 2 | Screw-HHF |
| 20 | 122-1657 | 1 | Harness-Wire |
| 21 | 99-3441 | 1 | Harness-Wire, Fusible Link |
| 22 | 122-1768 | 1 | Harness-Wire, Adapter |
| 23 | 100-5552 | 1 | Harness-Wire |
| 24 | 140-7189-03 | 1 | Bracket-Lift |
| 25 | 3234-9 | 1 | Screw-HHF |
| 26 | 104-8301 | 1 | Nut-HF, NI |




# Wire Harness Assembly No. 122-1657

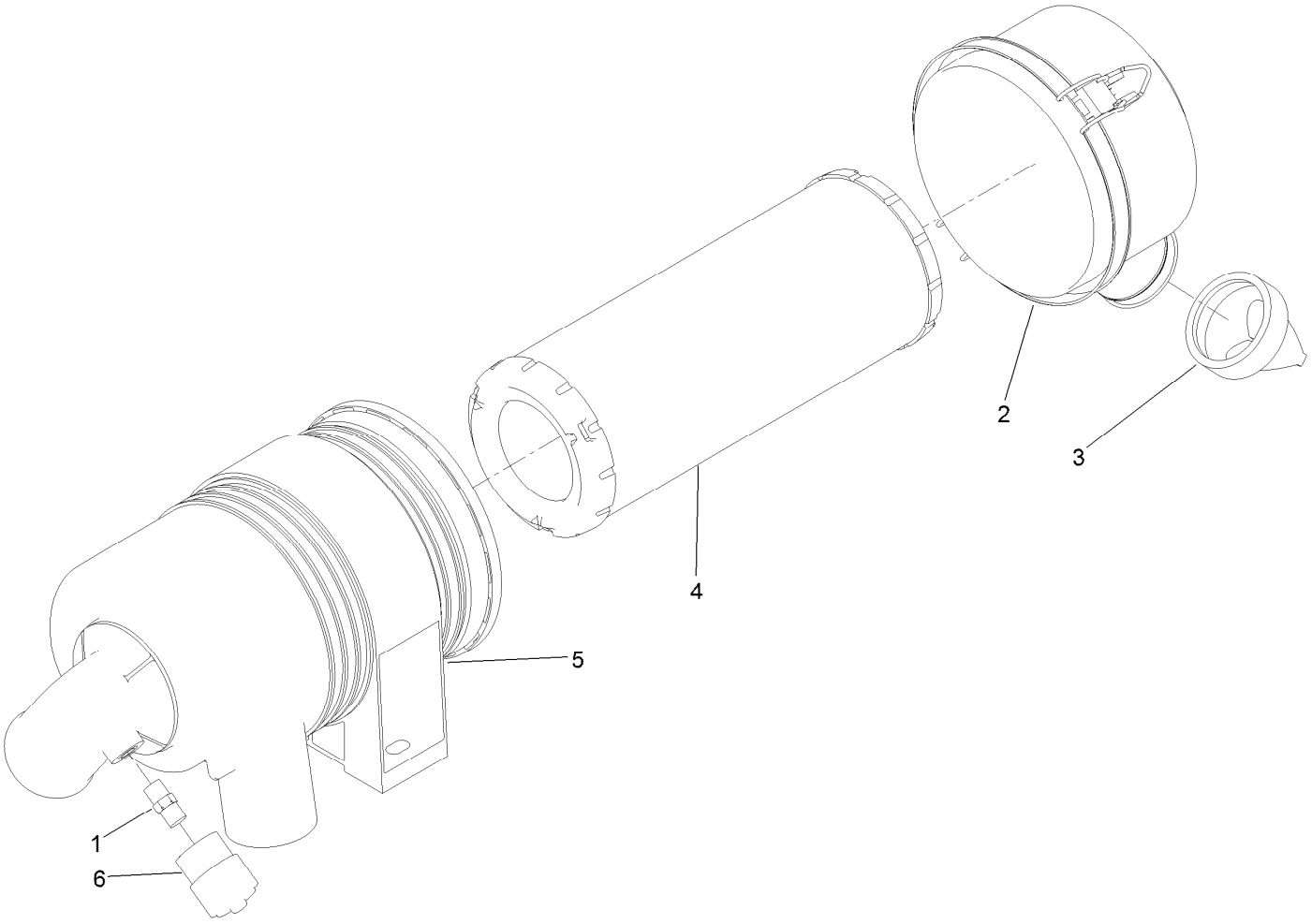
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 218-578 | 3 | Fuse-Blade, 10 Amp |
| 11 | 109355 | 3 | Fuse-Blade, 15 Amp |
| 15 | 32180-019 | 2 | Cover-Fuse, Single |
| 18 | 108-9493 | 1 | Diode-Tvs |
| 19 | 32180-089 | 1 | Cap-Plug, 3 Way |
| 20 | 32180-043 | 2 | Resistor-120 Ohm |
| 21 | 32180-156 | 2 | Cap-Plug, 6 Way |
| 23 | 32180-017 | 1 | Insulater-Terminal, Black |
| 26 | 104-4022 | 1 | Resistor-75 Ohm |
| 27 | 32180-056 | 2 | Cap |
| 28 | 109101 | 2 | Fuse-Blade, 20 Amp |




# Exaust and Air Cleaner Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 139-6260-03 | 1 | Bracket-Cleaner, Air |
| 2 | 139-6263 | 1 | Hose-Cleaner, Air |
| 3 | 139-6264 | 1 | Hose-Intake, Air |
| 4 | 139-6265 | 1 | Hose-Radiator, Lower |
| 5 | 139-6269 | 1 | Muffler ASM |
| 6 | 139-6270 | 1 | Exhaust Pipe ASM |
| 7 | 33104-016 | 3 | Screw-HHF |
| 8 | 2412-34 | 4 | Clamp-Hose |
| 9 | 2412-130 | 3 | Clamp-Hose |
| 10 | 3253-4 | 6 | Washer-Lock |
| 11 | 33104-025 | 2 | Screw-HHF |
| 12 | 33014-00 | 6 | Nut-Hex |
| 13 | 136-4481 | 1 | Air Cleaner ASM |
| 14 | 138-0408-03 | 1 | Mount-Engine, RH Front |
| 15 | 138-0409-03 | 1 | Mount-Engine, LH Front |
| 16 | 138-0410-03 | 1 | Mount-Engine, Rear |
| 17 | 120-6274 | 2 | Mount-Engine |
| 18 | 139-0856 | 1 | Mount-Engine |

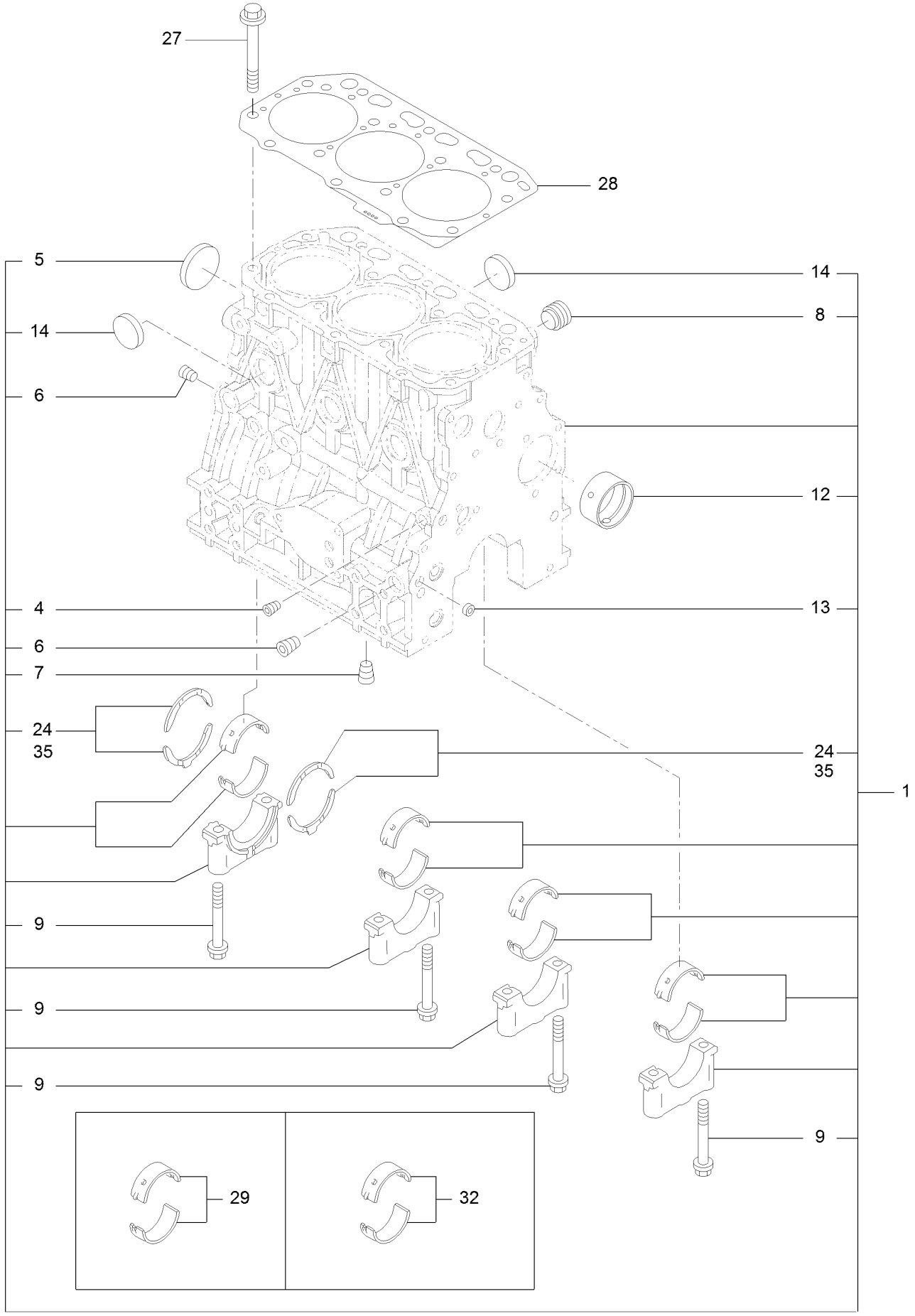
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 48-9590 | 16 | Washer-Lock |
| 20 | 33115-025 | 16 | Screw-HH |
| 21 | 3234-29 | 6 | Screw-HHF |
| 22 | 3255-8 | 1 | Washer-Lock |
| 23 | 104-8300 | 9 | Nut-HF, NI |
| 24 | 80-6990 | 3 | Washer-Hardened |
| 25 | 323-13 | 3 | Screw-HH |
| 26 | 62-6660 | 3 | Spacer |
| 27 | 87-5100 | 3 | Washer-Snubbing |
| 28 | 104-8301 | 3 | Nut-HF, NI |
| 29 | 18-2130 | 1 | Clamp |
| 30 | 138-0419 | 1 | Shroud-Fan |
| 31 | 138-0429 | 1 | Hose-Radiator, Upper |
| 32 | 3230-29 | 2 | Screw-CARR |
| 33 | 33105-020 | 4 | Screw-HHF |
| 34 | 140-7186 | 1 | Bracket-Heat Shield |
| 35 | 3234-47 | 1 | Screw-HHF |




# Air Cleaner Assembly No. 136-4481

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 94-1416 | 1 | Adapter-Indicator |
| 2 | 98-9771 | 1 | Cover ASM |
| 3 | 94-1414 | 1 | Valve-Vacuator |
| 4 | 108-3810 | 1 | Filter-Air |
| 5 | 98-4525 | 1 | Bracket-Cleaner, Air |
| 6 | 93-9164 | 1 | Indicator-Mini |

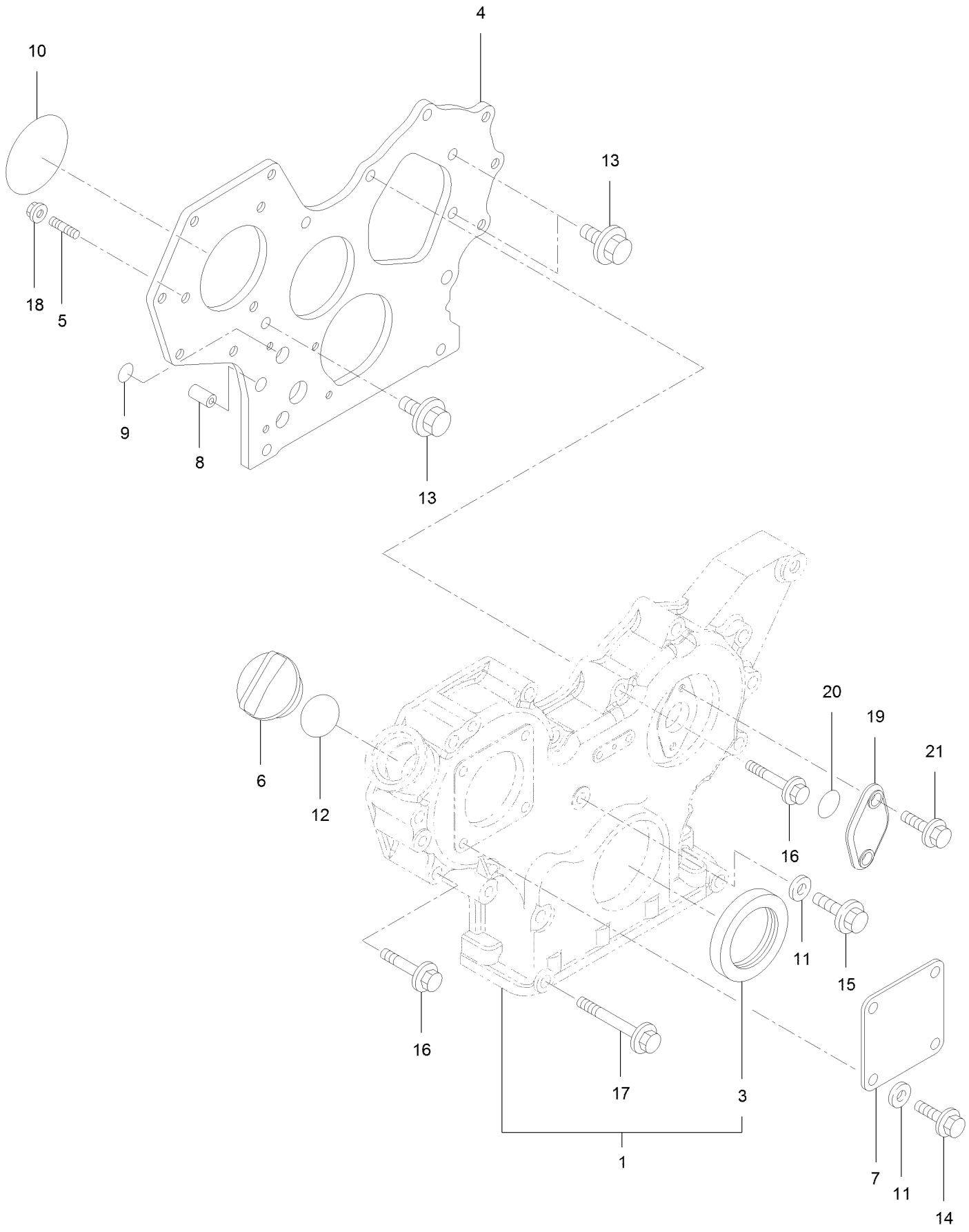
# Cylinder Block Assembly



# Cylinder Block Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0580 | 1 | Block Assy, Cylinder |
| 4 | 125-6969 | 1 | Plug |
| 5 | 125-6980 | 1 | Plug |
| 6 | 125-6973 | 2 | Plug |
| 7 | 125-6973 | 1 | Plug |
| 8 | 125-7170 | 1 | Plug |
| 9 | 125-7007 | 8 | Bolt |
| 12 | 125-7108 | 1 | Bushing |
| 13 | 125-7237 | 2 | Plug |
| 14 | 140-7182 | 6 | Plug 30 |
| 24 | 125-7010 | 2 | Metal-Thrust |
| 27 | 125-7006 | 14 | Bolt |
| 28 | 144-0581 | 1 | Gasket, Head |
| 29 | 125-6981 | 4 | Metal-Main |
| 32 | 125-7009 | 4 | Metal-Main (0.25) |
| 35 | 125-7011 | 1 | Metal-Thrust (0.25) |

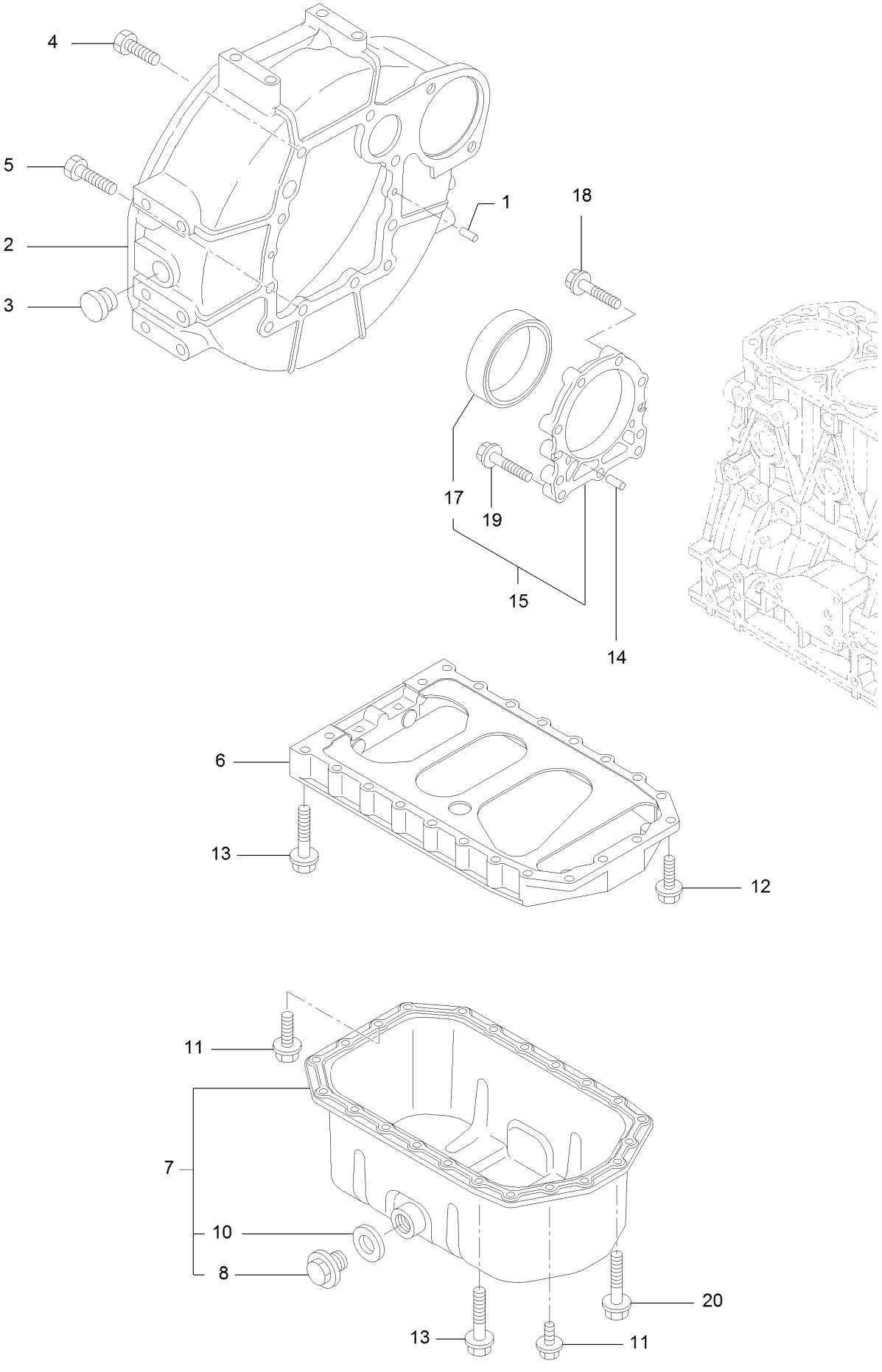
# Gear Housing Assembly



# Gear Housing Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0582 | 1 | Case Assy, Gear |
| 3 | 125-6944 | 1 | Seal-Oil |
| 4 | 125-6936 | 1 | Flange |
| 5 | 125-6919 | 3 | Stud |
| 6 | 125-6972 | 1 | Cover-Filler |
| 7 | 125-6977 | 1 | Cover |
| 8 | 125-7107 | 2 | Pipe |
| 9 | 125-6909 | 2 | O-Ring |
| 10 | 125-6957 | 1 | O-Ring |
| 11 | 125-7174 | 5 | Washer-Seal |
| 12 | 125-7197 | 1 | O-Ring |
| 13 | 125-7214 | 3 | Bolt |
| 14 | 125-7214 | 4 | Bolt |
| 15 | 125-7216 | 1 | Bolt |
| 16 | 125-7221 | 12 | Bolt |
| 17 | 125-7224 | 3 | Bolt |
| 18 | 125-7229 | 3 | Nut |
| 19 | 125-6950 | 1 | Cover |
| 20 | 125-7199 | 1 | O-Ring |
| 21 | 125-7208 | 2 | Bolt |

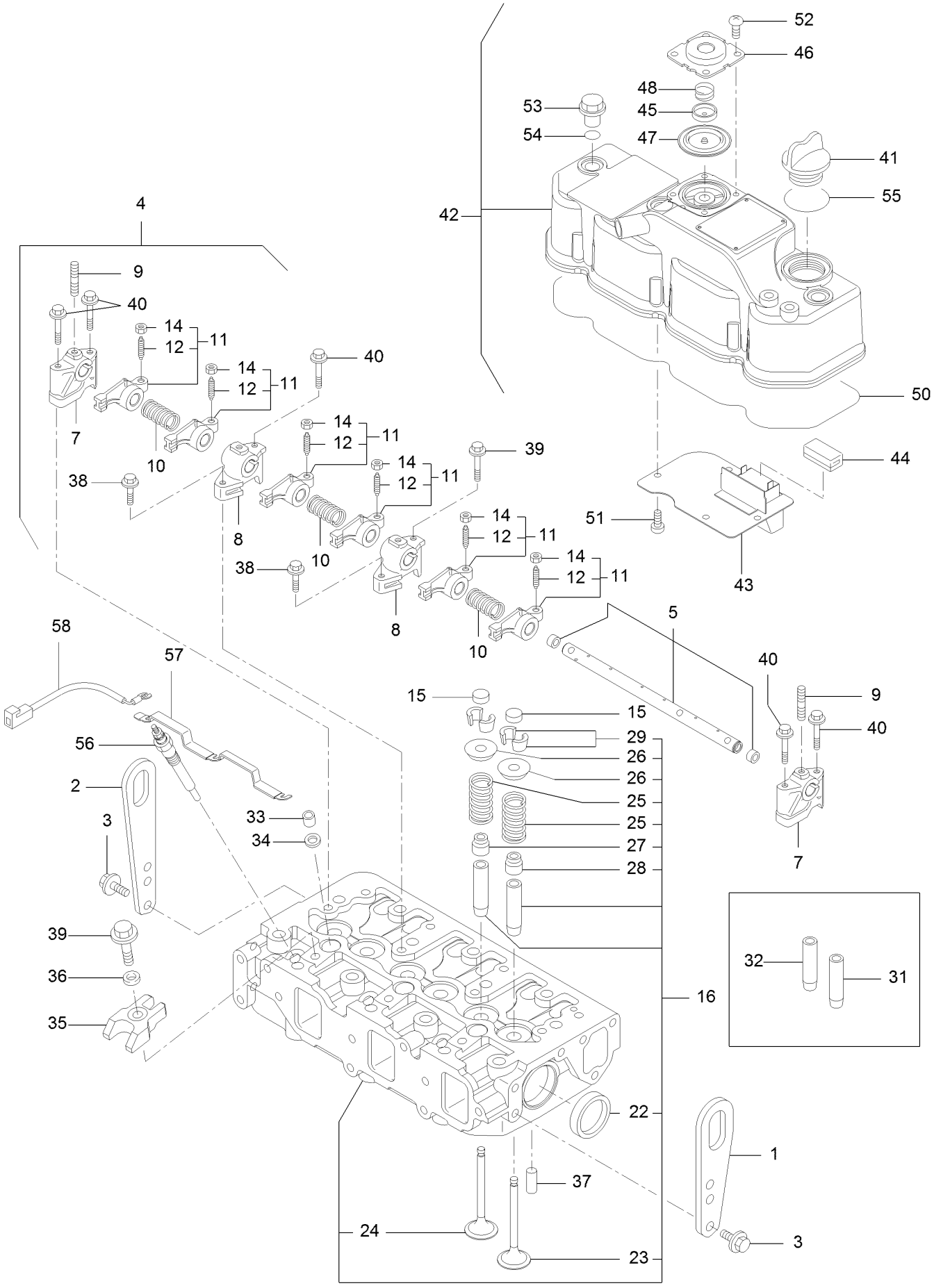
# Mounting Flange and Oil Sump Assembly



# Mounting Flange and Oil Sump Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 125-6995 | 2 | Pin |
| 2 | 125-7100 | 1 | Housing |
| 3 | 125-6910 | 1 | Cap |
| 4 | 125-7226 | 6 | Bolt |
| 5 | 125-7227 | 4 | Bolt |
| 6 | 127-3756 | 1 | Spacer |
| 7 | 135-4010 | 1 | Oil Pan ASM |
| 8 | 125-6912 | 1 | Plug-Drain |
| 10 | 125-7177 | 1 | Washer-Seal |
| 11 | 125-7214 | 4 | Bolt |
| 12 | 125-7215 | 2 | Bolt |
| 13 | 125-7219 | 16 | Bolt |
| 14 | 125-6995 | 2 | Pin |
| 15 | 140-7173 | 1 | Oil Seal Case ASM |
| 17 | 140-7174 | 1 | Seal-Oil |
| 18 | 125-7045 | 6 | Bolt |
| 19 | 125-7217 | 3 | Bolt |
| 20 | 125-7220 | 4 | Bolt |

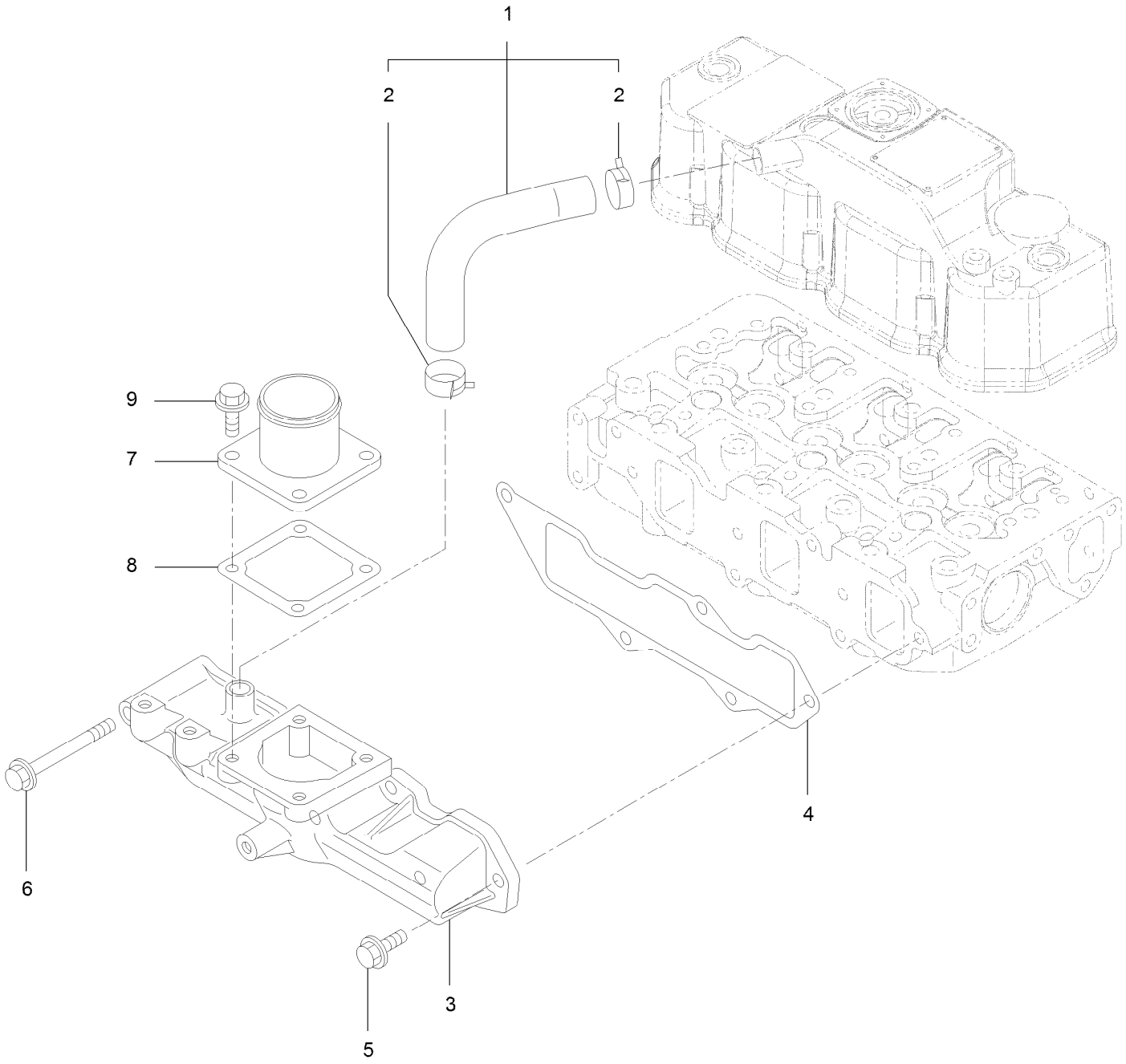
# Cylinder Head Assembly



# Cylinder Head Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0583 | 1 | Lifter, Engine |
| 2 | 125-7111 | 1 | Lifter |
| 3 | 125-7214 | 4 | Bolt |
| 4 | 127-3757 | 1 | Shaft ASM |
| 5 | 127-3758 | 1 | Shaft |
| 7 | 127-2974 | 2 | Support |
| 8 | 127-2975 | 2 | Support |
| 9 | 135-4012 | 3 | Bolt,Stud |
| 10 | 127-2995 | 3 | Spring |
| 11 | 127-2989 | 6 | Arm-Rocker |
| 12 | 125-7013 | 6 | Screw-Adjust, Valve |
| 14 | 125-7014 | 6 | Nut |
| 15 | 127-2996 | 6 | Cap-Valve |
| 16 | 144-0584 | 1 | Head Assy, Cylinder |
| 22 | 125-7240 | 2 | Plug |
| 23 | 127-2990 | 3 | Valve |
| 24 | 127-4710 | 3 | Valve |
| 25 | 127-3012 | 6 | Spring |
| 26 | 127-3013 | 6 | Retainer-Spring |
| 27 | 144-0585 | 3 | Seal, Valve Stem |
| 28 | 127-2986 | 3 | Seal-Stem, Valve |
| 29 | 127-3186 | 6 | Pin-Cotter |
| 31 | 127-2979 | 3 | Guide |
| 32 | 127-2997 | 3 | Guide-Valve |
| 33 | 125-6921 | 3 | Protector |
| 34 | 125-6911 | 3 | Seat-Valve |
| 35 | 144-0586 | 3 | Retainer, Nozzle |
| 36 | 127-2980 | 3 | Washer-Injector |
| 37 | 125-7184 | 2 | Pin-Spring |
| 38 | 125-7215 | 2 | Bolt |
| 39 | 125-7217 | 3 | Bolt |
| 40 | 125-7220 | 6 | Bolt |
| 41 | 125-6972 | 1 | Cover-Filler |
| 42 | 144-0587 | 1 | Bonnet Assy |
| 43 | 127-2988 | 1 | Plate |
| 44 | 125-7012 | 1 | Baffle |
| 45 | 135-4089 | 1 | Plate-Diaphragm |
| 46 | 144-0588 | 1 | Cover, Diaphragm |
| 47 | 144-0589 | 1 | Diaphragm, Breather |
| 48 | 135-4092 | 1 | Spring-Diaphragm |
| 50 | 144-0590 | 1 | Gasket, Bonnet |
| 51 | 125-7186 | 4 | Screw |
| 52 | 125-7186 | 4 | Screw |
| 53 | 125-6974 | 3 | Knob |
| 54 | 138-7829 | 3 | O-Ring |
| 55 | 125-7197 | 1 | O-Ring |
| 56 | 127-2991 | 3 | Plug-Glow |
| 57 | 144-0591 | 1 | Connector, Glow Plug |
| 58 | 131-2704 | 1 | Harness-Wire |

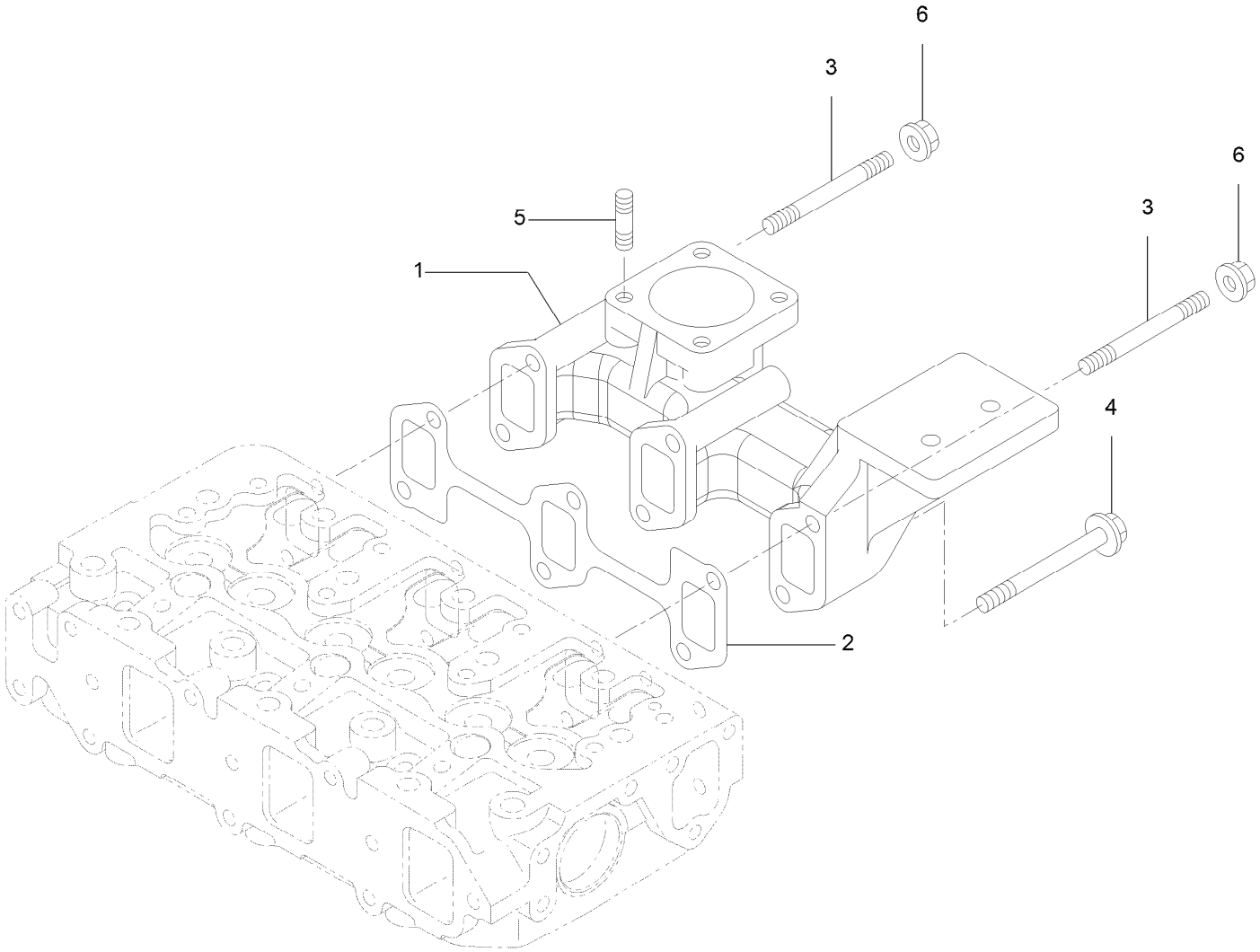
# Suction Manifold Assembly



# Suction Manifold Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 127-4704 | 1 | Pipe |
| 2 | 125-7040 | 2 | Clip-Hose |
| 3 | 144-0592 | 1 | Manifold, Intake |
| 4 | 144-0593 | 1 | Gasket, Manifold |
| 5 | 125-7595 | 4 | Bolt |
| 6 | 125-7223 | 1 | Bolt |
| 7 | 144-0594 | 1 | Joint, Manifold |
| 8 | 125-7028 | 1 | Gasket |
| 9 | 125-7595 | 4 | Bolt |

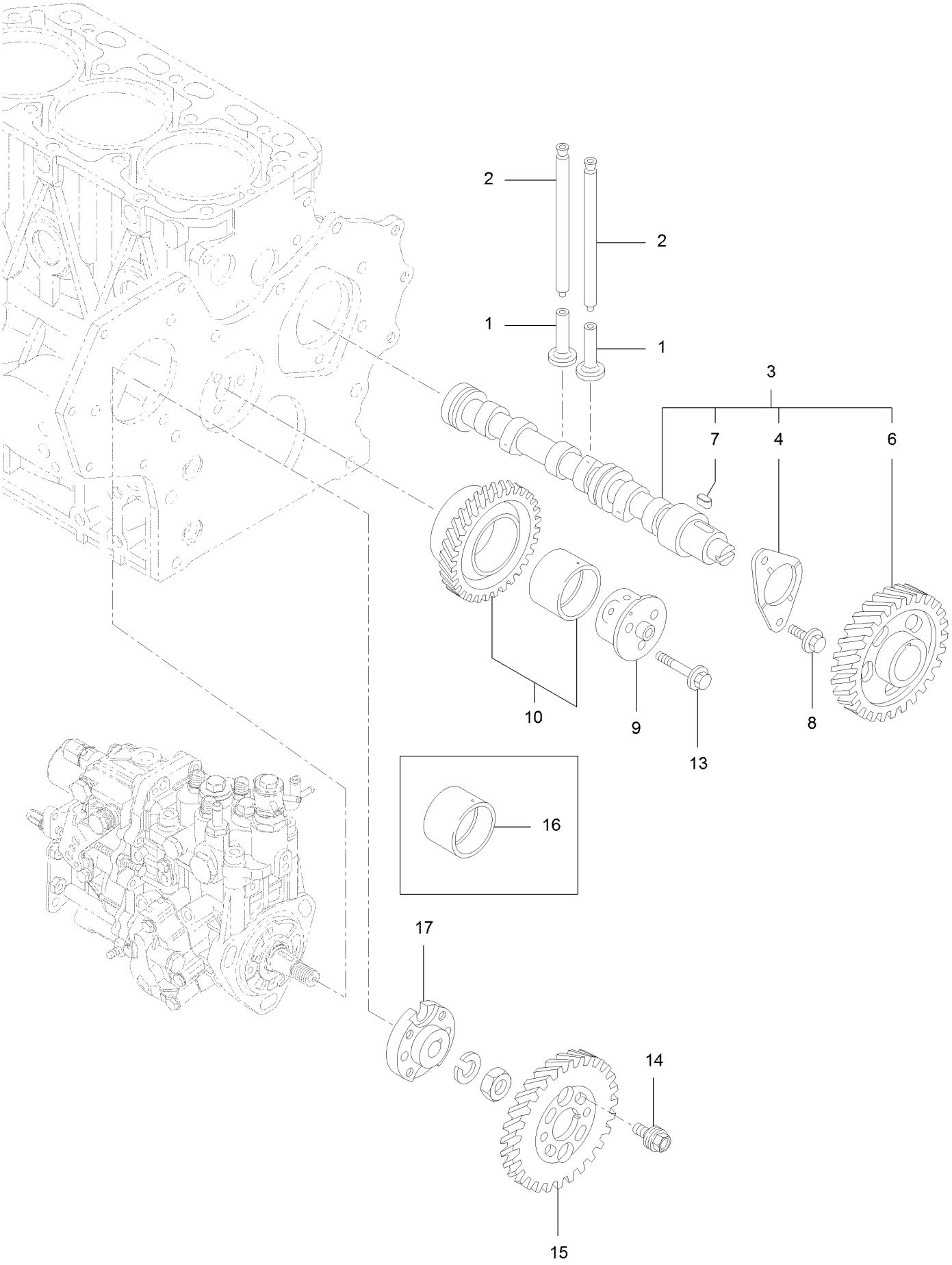
# Exhaust Manifold Assembly



# Exhaust Manifold Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0595 | 1 | Manifold, Exhaust |
| 2 | 144-0596 | 1 | Gasket, Manifold |
| 3 | 144-0597 | 2 | Stud, M8X80 |
| 4 | 144-0598 | 4 | Bolt, M8X80 10.9T |
| 5 | 125-6906 | 4 | Stud |
| 6 | 125-7229 | 2 | Nut |

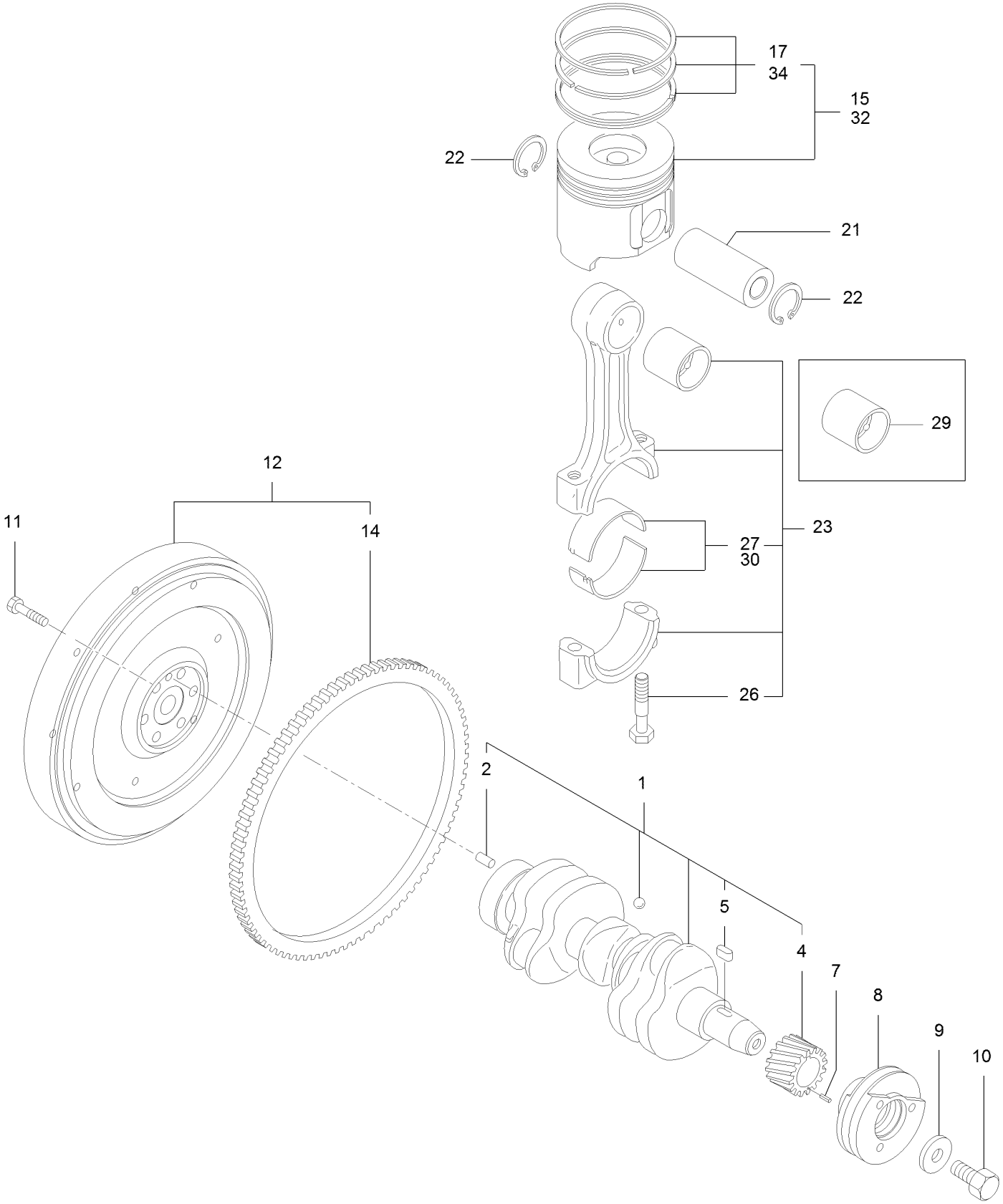
# Camshaft Assembly



# Camshaft Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 125-7016 | 6 | Tappet |
| 2 | 125-7017 | 6 | Rod-Push |
| 3 | 144-0599 | 1 | Camshaft Assy |
| 4 | 125-7008 | 1 | Metal-Thrust |
| 6 | 125-7015 | 1 | Gear |
| 7 | 125-7185 | 1 | Key |
| 8 | 125-7213 | 2 | Bolt |
| 9 | 125-6938 | 1 | Shaft |
| 10 | 125-6928 | 1 | Gear ASM |
| 13 | 125-7218 | 3 | Bolt |
| 14 | 125-7020 | 4 | Bolt |
| 15 | 125-6929 | 1 | Gear |
| 16 | 125-6926 | 1 | Bush |
| 17 | 125-7135 | 1 | Flange |

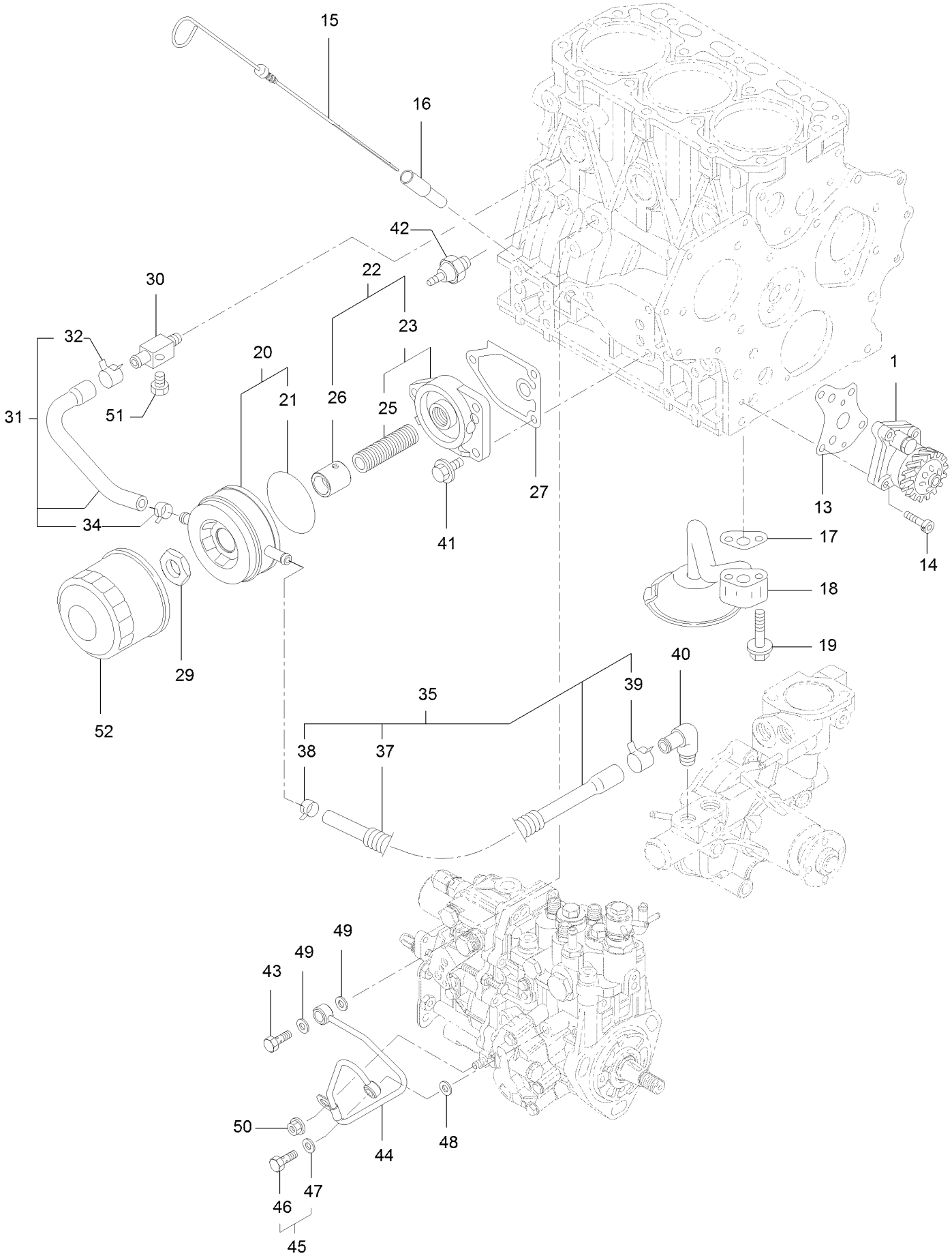
# Crankshaft Assembly



# Crankshaft Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 127-3800 | 1 | Crankshaft ASM |
| 2 | 125-6995 | 1 | Pin |
| 4 | 125-6937 | 1 | Gear |
| 5 | 125-7185 | 1 | Key |
| 7 | 125-7182 | 1 | Pin-Spring |
| 8 | 127-3801 | 1 | Pulley-V |
| 9 | 125-7109 | 1 | Washer |
| 10 | 125-6956 | 1 | Bolt |
| 11 | 125-6951 | 6 | Bolt |
| 12 | 144-0600 | 1 | Flywheel Assy |
| 14 | 125-6943 | 1 | Gear |
| 15 | 144-0601 | 3 | Piston Assy |
| 17 | 144-0602 | 3 | Ring Set, Piston |
| 21 | 125-7030 | 3 | Pin |
| 22 | 125-7180 | 6 | Ring |
| 23 | 125-7242 | 3 | Connecting Rod ASM |
| 26 | 125-6955 | 6 | Bolt |
| 27 | 125-7018 | 3 | Pin-Crank |
| 29 | 125-6997 | 3 | Pin-Piston |
| 30 | 125-7019 | 3 | Pin-Crank (.25) |
| 32 | 144-0603 | 3 | Piston Assy, 0.25 Os |
| 34 | 144-0604 | 3 | Ring Set, Piston .25 |

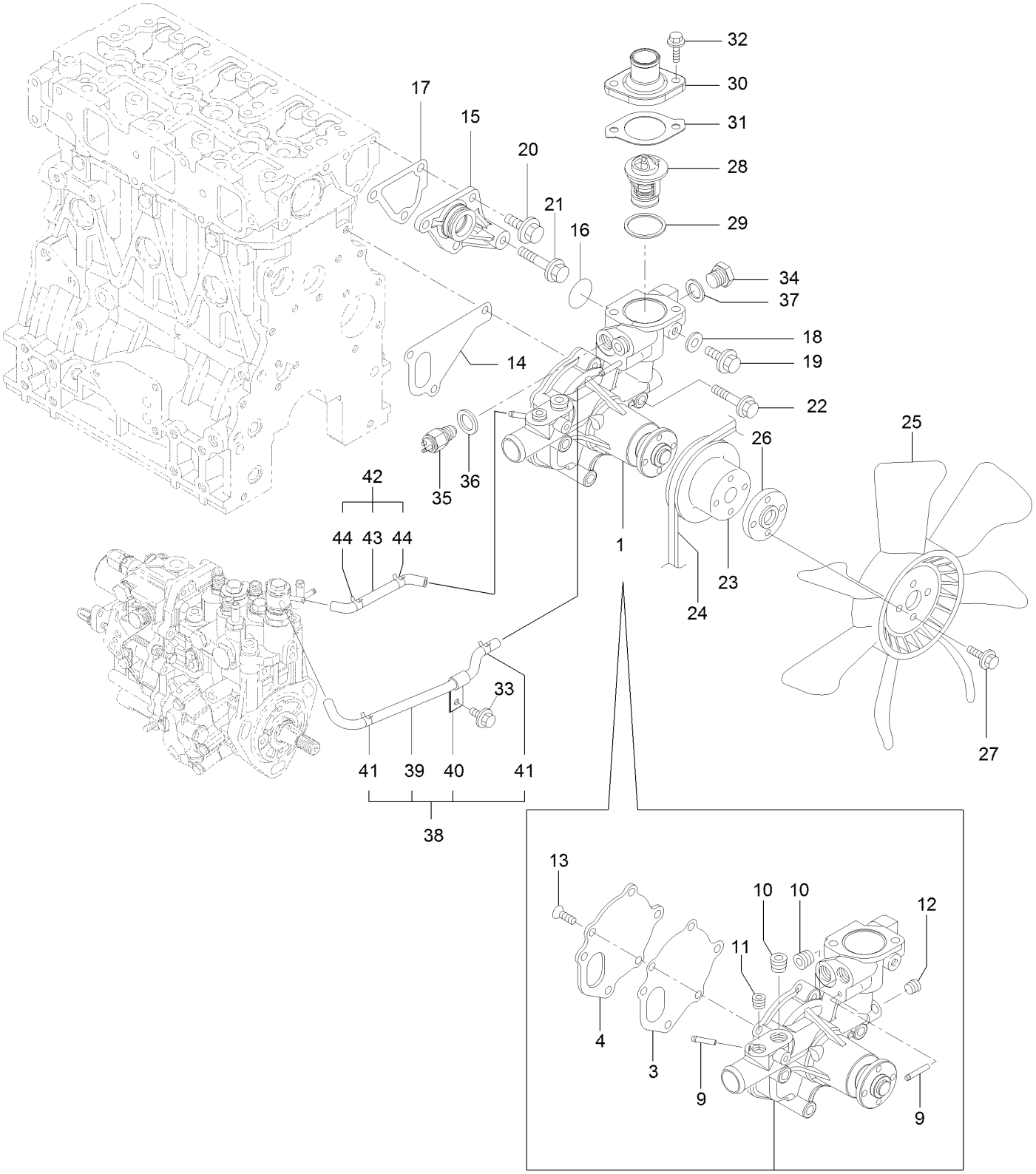
# Oil Pump and Filter Assembly



# Oil Pump and Filter Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0605 | 1 | Pump Assy, Oil |
| 13 | 125-7021 | 1 | Gasket |
| 14 | 125-7232 | 4 | Bolt |
| 15 | 140-7168 | 1 | Dipstick-Oil |
| 16 | 125-6954 | 1 | Guide-Dipstick |
| 17 | 125-7022 | 1 | Gasket |
| 18 | 135-4017 | 1 | Oil Inlet Pipe ASM |
| 19 | 125-7217 | 2 | Bolt |
| 20 | 135-4018 | 1 | Oil Cooler ASM |
| 21 | 135-4019 | 1 | Packing-Oil Cooler |
| 22 | 135-4021 | 1 | Lo Filter Bracket ASM |
| 23 | 140-7169 | 1 | Filter Bracket ASM |
| 25 | 125-7042 | 1 | Stud |
| 26 | 135-4022 | 1 | Collar-Cooler, Oil |
| 27 | 125-7024 | 1 | Gasket |
| 29 | 135-4020 | 1 | Nut |
| 30 | 125-6990 | 1 | Joint |
| 31 | 125-7078 | 1 | Pipe ASM |
| 32 | 125-7162 | 1 | Clip |
| 34 | 125-7191 | 1 | Clamp-Hose |
| 35 | 127-3804 | 1 | Pipe ASM |
| 37 | 127-3805 | 1 | Tube |
| 38 | 125-7191 | 1 | Clamp-Hose |
| 39 | 125-7162 | 1 | Clip |
| 40 | 125-7001 | 1 | Elbow |
| 41 | 125-7595 | 3 | Bolt |
| 42 | 134-1377 | 1 | Switch-Hydraulic |
| 43 | 125-6975 | 1 | Bolt-Joint, Pipe |
| 44 | 144-0606 | 1 | Pipe Assy, Oil |
| 45 | 125-6988 | 1 | Joint Bolt ASM |
| 46 | 125-7194 | 1 | Bolt-Joint |
| 47 | 125-7174 | 1 | Washer-Seal |
| 48 | 125-7174 | 1 | Washer-Seal |
| 49 | 125-7175 | 2 | Washer-Seal |
| 50 | 125-7231 | 1 | Nut |
| 51 | 125-7171 | 1 | Plug-Drain |
| 52 | 144-0607 | 1 | Filter, Lub.Oil |

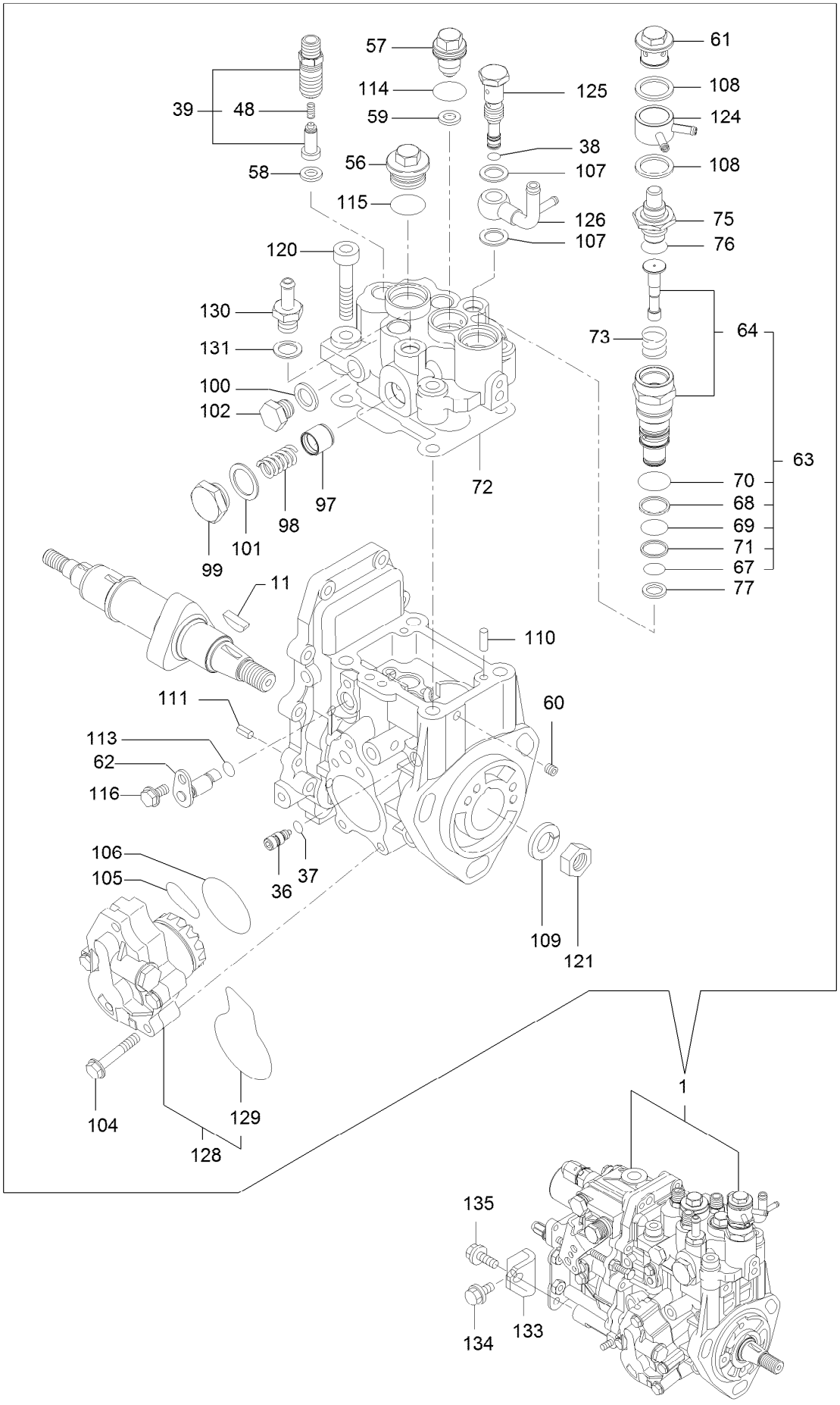
# Water Pump and Fan Assembly



# Water Pump and Fan Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0608 | 1 | Pump Assy, CW |
| 3 | 125-6998 | 1 | Gasket |
| 4 | 125-6999 | 1 | Plate |
| 9 | 144-0609 | 2 | Joint, Pipe |
| 10 | 133-6796 | 2 | Plug |
| 11 | 127-3175 | 1 | Plug |
| 12 | 125-7195 | 1 | Plug |
| 13 | 140-7170 | 3 | Screw-Flat |
| 14 | 125-7047 | 1 | Gasket |
| 15 | 125-6986 | 1 | Joint |
| 16 | 125-7048 | 1 | O-Ring |
| 17 | 125-6978 | 1 | Gasket |
| 18 | 125-7192 | 1 | Gasket |
| 19 | 125-7212 | 1 | Bolt |
| 20 | 125-7214 | 3 | Bolt |
| 21 | 125-7219 | 1 | Bolt |
| 22 | 125-7222 | 3 | Bolt |
| 23 | 127-4712 | 1 | V-Pulley |
| 24 | 127-4771 | 1 | V-Belt |
| 25 | 135-4196 | 1 | Fan-Cooling 1 |
| 26 | 127-3810 | 1 | Spacer |
| 27 | 125-7209 | 4 | Bolt |
| 28 | 125-7029 | 1 | Thermostat |
| 29 | 125-7026 | 1 | Gasket |
| 30 | 140-7171 | 1 | Cover-Thermostat |
| 31 | 125-7110 | 1 | Gasket |
| 32 | 125-7594 | 2 | Bolt |
| 33 | 125-7206 | 1 | Bolt |
| 34 | 125-6953 | 1 | Plug |
| 35 | 134-3128 | 1 | Sensor-Temperature |
| 36 | 134-4010 | 1 | Gasket |
| 37 | 125-6979 | 1 | Gasket |
| 38 | 144-0610 | 1 | Hose Assy, Water A |
| 39 | 144-0611 | 1 | Hose, Water A |
| 40 | 144-0612 | 1 | Retainer, Pipe |
| 41 | 136-8226 | 2 | Clamp-Hose |
| 42 | 144-0613 | 1 | Hose Assy, Water B |
| 43 | 144-0614 | 1 | Hose, Water B |
| 44 | 136-8226 | 2 | Clamp-Hose |

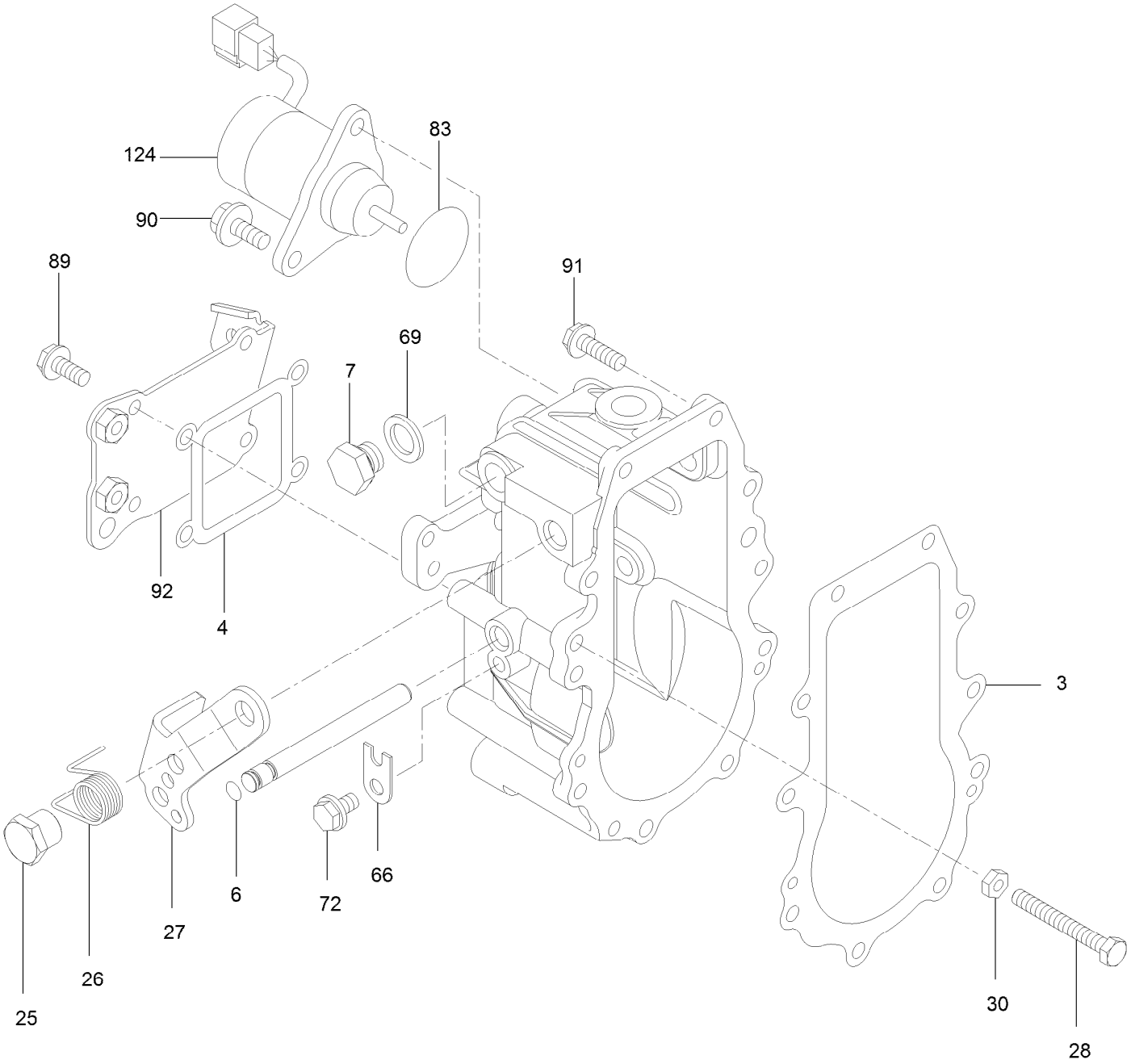
# Fuel Injection Pump Assembly



# Fuel Injection Pump Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0615 | 1 | Fie Assy |
| 11 | 125-6932 | 1 | Key |
| 36 | 125-7156 | 1 | Stopper |
| 37 | 125-7154 | 1 | O-Ring |
| 38 | 125-7154 | 1 | O-Ring |
| 39 | 144-0616 | 3 | Valve Assy, Delivery |
| 48 | 125-7155 | 3 | Spring |
| 56 | 125-7157 | 1 | Plug |
| 57 | 125-6933 | 1 | Plug |
| 58 | 125-7136 | 3 | Gasket |
| 59 | 125-7136 | 1 | Gasket |
| 60 | 125-7151 | 1 | Plug |
| 61 | 144-0617 | 1 | Plug |
| 62 | 125-7137 | 1 | Lifter |
| 63 | 144-0618 | 1 | Timer Assy |
| 64 | 144-0619 | 1 | Timer Assy |
| 67 | 125-7145 | 1 | O-Ring |
| 68 | 125-6934 | 1 | Ring |
| 69 | 125-6935 | 1 | O-Ring |
| 70 | 125-7202 | 1 | O-Ring |
| 71 | 125-7203 | 1 | Ring-Back Up |
| 72 | 125-7138 | 1 | Gasket |
| 73 | 144-0620 | 1 | Spring, Timer |
| 75 | 144-0621 | 1 | Element, Thermostat |
| 76 | 144-0622 | 1 | O-Ring, P14 |
| 77 | 125-7146 | 1 | Gasket |
| 97 | 125-7159 | 1 | Piston |
| 98 | 125-7140 | 1 | Spring |
| 99 | 125-7160 | 1 | Plug |
| 100 | 125-7176 | 1 | Washer-Seal |
| 101 | 125-7591 | 1 | Washer-Seal |
| 102 | 125-7148 | 1 | Plug |
| 104 | 125-7147 | 4 | Bolt |
| 105 | 125-7142 | 1 | O-Ring |
| 106 | 125-7143 | 1 | O-Ring |
| 107 | 125-7176 | 2 | Washer-Seal |
| 108 | 125-7591 | 2 | Washer-Seal |
| 109 | 125-7179 | 1 | Washer-Spring |
| 110 | 125-7181 | 2 | Pin-Parallel |
| 111 | 125-7183 | 2 | Pin-Spring |
| 113 | 144-0623 | 1 | O-Ring, 1Ap7.0 |
| 114 | 125-7201 | 1 | O-Ring |
| 115 | 125-7202 | 1 | O-Ring |
| 116 | 125-7205 | 1 | Bolt |
| 120 | 125-7233 | 4 | Bolt |
| 121 | 125-7236 | 1 | Nut |
| 124 | 144-0624 | 1 | Joint, Cooling Water |
| 125 | 125-7158 | 1 | Joint |
| 126 | 125-7139 | 1 | Joint |
| 128 | 125-7141 | 1 | Feed Pump ASM |
| 129 | 125-7144 | 1 | O-Ring |
| 130 | 125-6945 | 1 | Joint |
| 131 | 125-7176 | 1 | Washer-Seal |
| 133 | 144-0625 | 1 | Retainer, Fuel Pump |
| 134 | 125-7214 | 1 | Bolt |
| 135 | 125-7595 | 1 | Bolt |

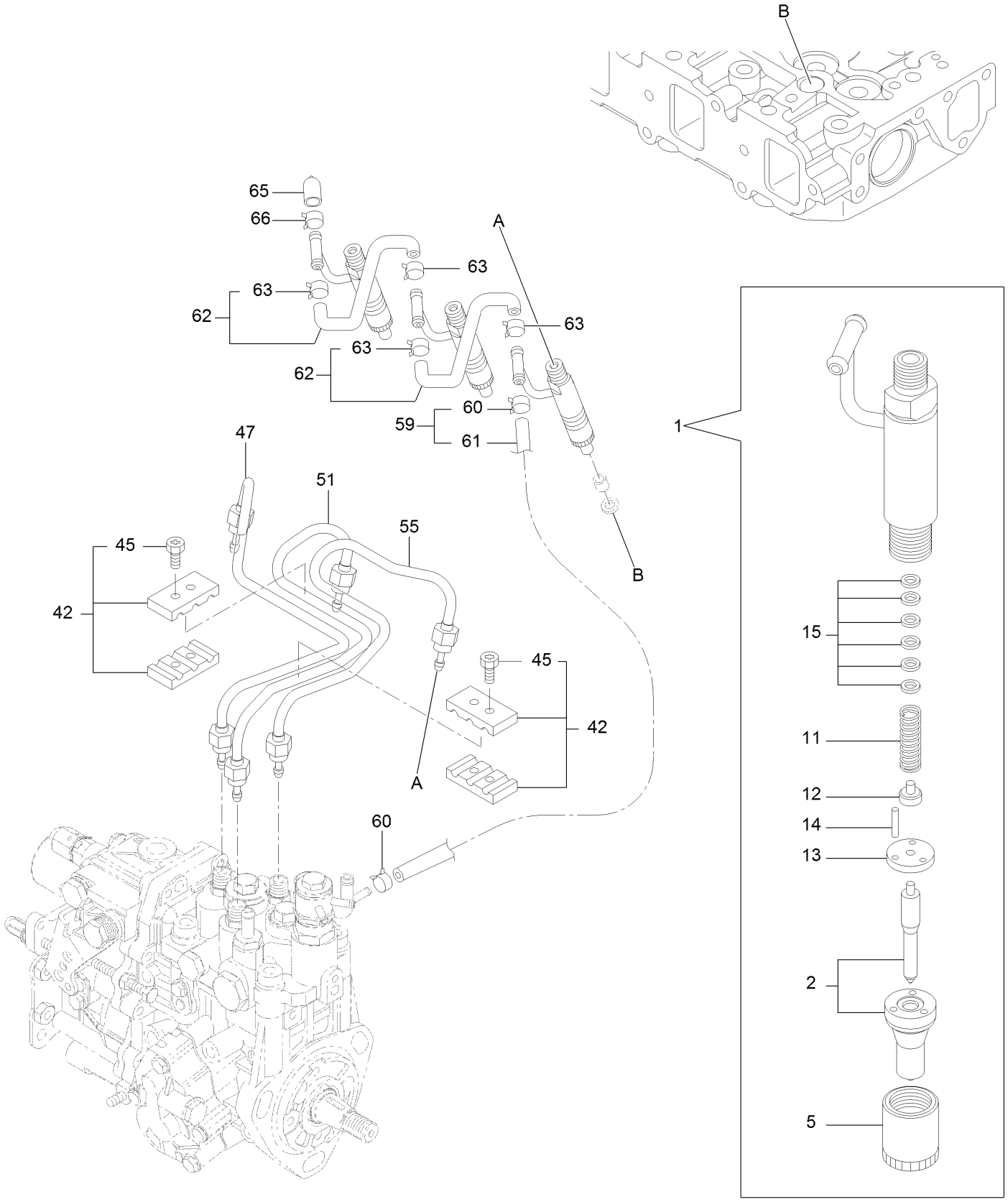
# Governor Assembly



# Governor Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 3 | 125-7149 | 1 | Gasket |
| 4 | 144-0626 | 1 | Gasket, Case |
| 6 | 135-4207 | 1 | O-Ring |
| 7 | 125-7148 | 1 | Plug |
| 25 | 134-1508 | 1 | Nut |
| 26 | 144-0627 | 1 | Spring, Return |
| 27 | 144-0628 | 1 | Lever, Regulator |
| 28 | 134-4013 | 1 | Bolt-Limit, Idle |
| 30 | 134-4014 | 1 | Nut |
| 66 | 134-1395 | 1 | Stopper-Shaft |
| 69 | 125-7176 | 1 | Washer-Seal |
| 72 | 125-7205 | 1 | Bolt |
| 83 | 134-1520 | 1 | O-Ring |
| 89 | 125-7206 | 4 | Bolt |
| 90 | 125-7206 | 2 | Bolt |
| 91 | 125-7209 | 10 | Bolt |
| 92 | 144-0629 | 1 | Cover, Governor Case |
| 124 | 140-7172 | 1 | Stop-Solenoid |

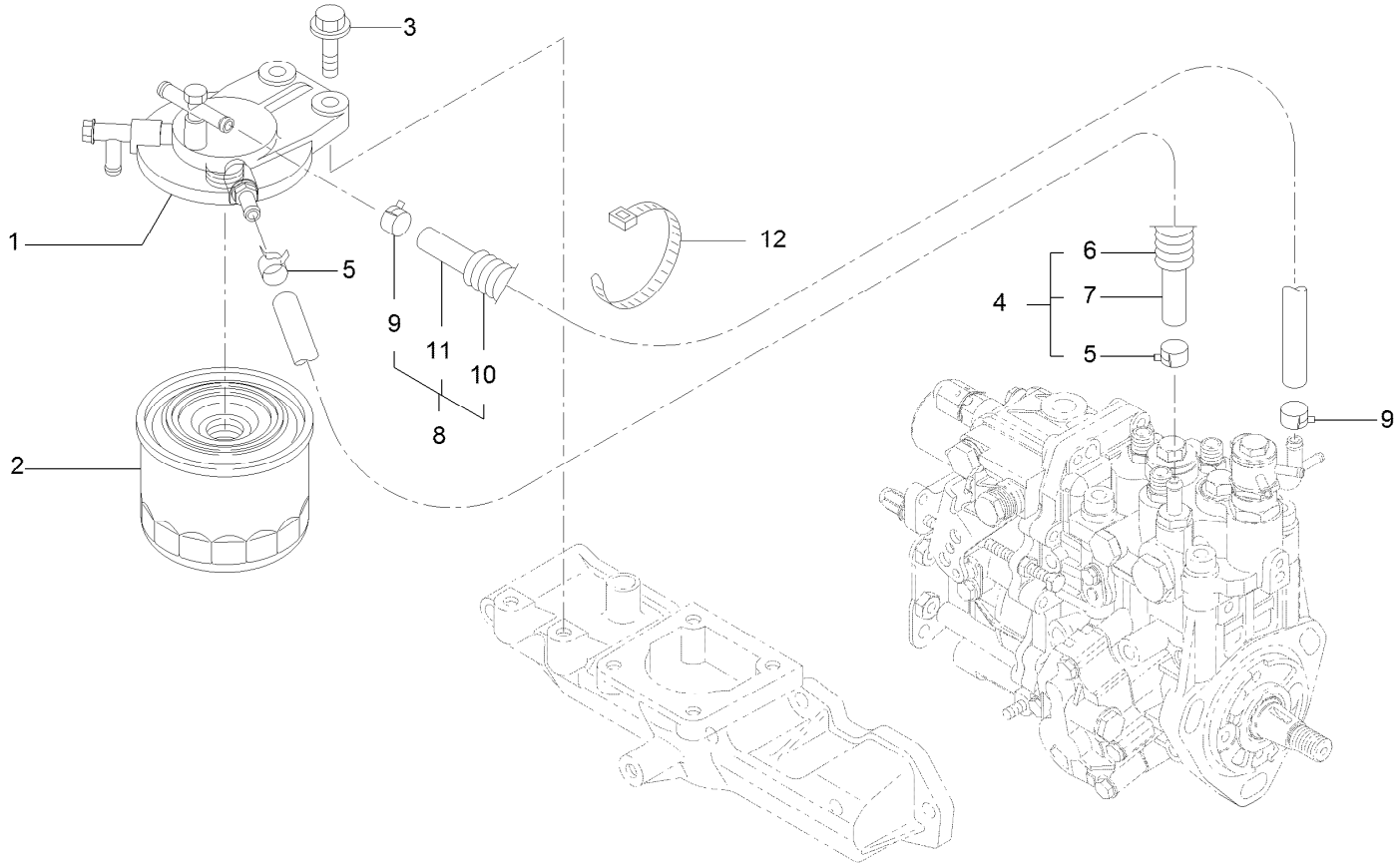
# Fuel Injection Valve Assembly



# Fuel Injection Valve Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0630 | 3 | Valve Assy,Injection |
| 2 | 144-0631 | 3 | Valve Assy,Injection |
| 5 | 125-6901 | 3 | Nut |
| 11 | 125-6902 | 3 | Spring |
| 12 | 125-6903 | 3 | Seat-Spring |
| 13 | 125-6904 | 3 | Plate |
| 14 | 125-6905 | 6 | Pin |
| 15 | 125-6939 | 3 | Shim Set |
| 42 | 134-1488 | 2 | Retainer-Pipe |
| 45 | 125-7027 | 4 | Bolt |
| 47 | 144-0632 | 1 | Pipe Assy, Injection |
| 51 | 144-0633 | 1 | Pipe Assy, Injection |
| 55 | 144-0634 | 1 | Pipe Assy, Injection |
| 59 | 144-0635 | 1 | Hose Assy, Return |
| 60 | 136-8226 | 2 | Clamp-Hose |
| 61 | 144-0636 | 1 | Hose, Fuel Return |
| 62 | 144-0637 | 2 | Hose Assy, Return |
| 63 | 136-8226 | 4 | Clamp-Hose |
| 65 | 144-0638 | 1 | Cap, Return Pipe |
| 66 | 125-6970 | 1 | Clip |

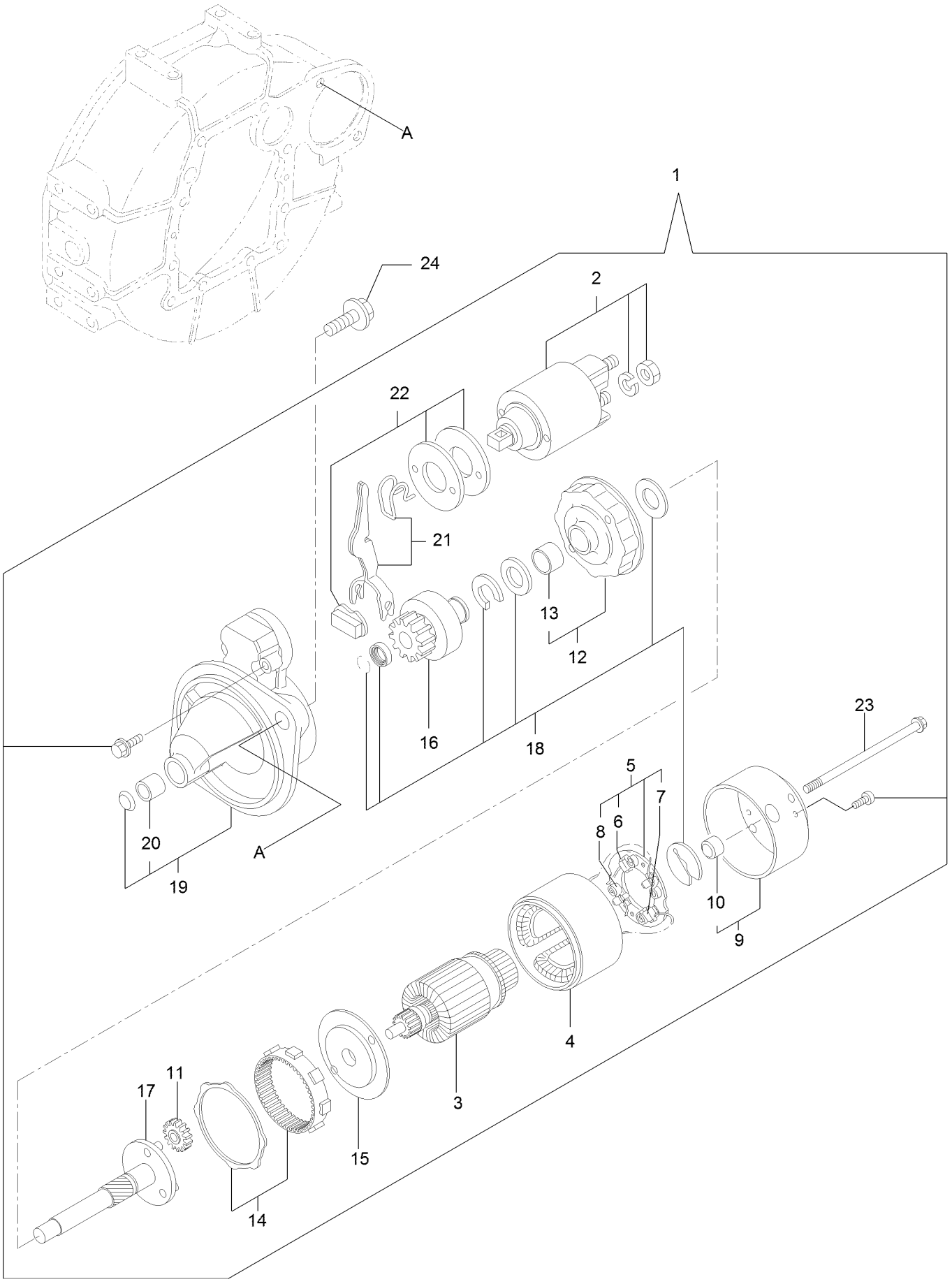
# Fuel Filter Assembly



# Fuel Filter Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0639 | 1 | Bracket, Filter |
| 2 | 144-0640 | 1 | Filter, Fo |
| 3 | 125-7216 | 2 | Bolt |
| 4 | 144-0641 | 1 | Hose Assy, D13Xl220 |
| 5 | 140-7167 | 2 | Clamp-Hose (11.5) |
| 6 | 144-0642 | 1 | Tube, Corrugated 15 |
| 7 | 144-0643 | 1 | Hose, Fuel L=220 |
| 8 | 144-0644 | 1 | Hose Assy, Fuel |
| 9 | 140-7167 | 2 | Clamp-Hose (11.5) |
| 10 | 144-0645 | 1 | Tube, Corrugated 15 |
| 11 | 144-0646 | 1 | Hose, Fuel |
| 12 | 127-2981 | 1 | Band |

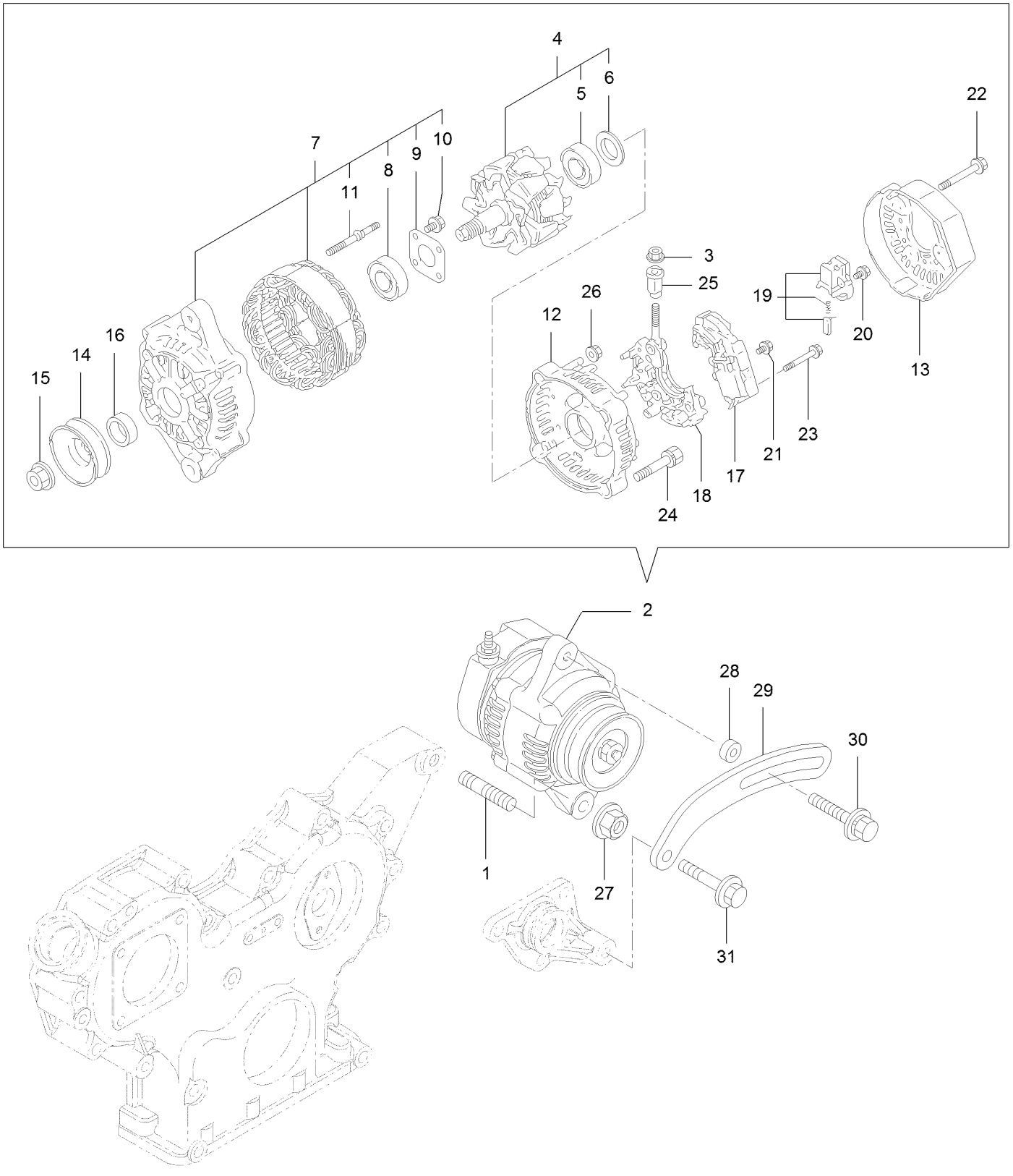
# Starting Motor Assembly



# Starting Motor Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 127-3818 | 1 | Starter ASM |
| 2 | 127-3819 | 1 | Switch ASM |
| 3 | 127-3820 | 1 | Armature ASM |
| 4 | 127-3821 | 1 | Yoke ASM |
| 5 | 127-3822 | 1 | Brush Holder ASM |
| 6 | 127-3823 | 2 | Brush |
| 7 | 127-3824 | 1 | Brush Set |
| 8 | 127-3825 | 4 | Spring |
| 9 | 127-3826 | 1 | Cover ASM |
| 10 | 127-3827 | 1 | Metal |
| 11 | 127-3828 | 3 | Gear |
| 12 | 127-3829 | 1 | Bracket |
| 13 | 127-3830 | 1 | Bracket |
| 14 | 127-3831 | 1 | Gear |
| 15 | 127-3832 | 1 | Bracket |
| 16 | 127-3833 | 1 | Pinion ASM |
| 17 | 127-3834 | 1 | Shaft |
| 18 | 127-3835 | 1 | Washer Set |
| 19 | 127-3836 | 1 | Case ASM |
| 20 | 127-3837 | 1 | Metal-Starter |
| 21 | 127-3838 | 1 | Lever Set |
| 22 | 127-3839 | 1 | Dust Cover ASM |
| 23 | 135-4024 | 2 | Bolt-Through |
| 24 | 125-7225 | 2 | Bolt |

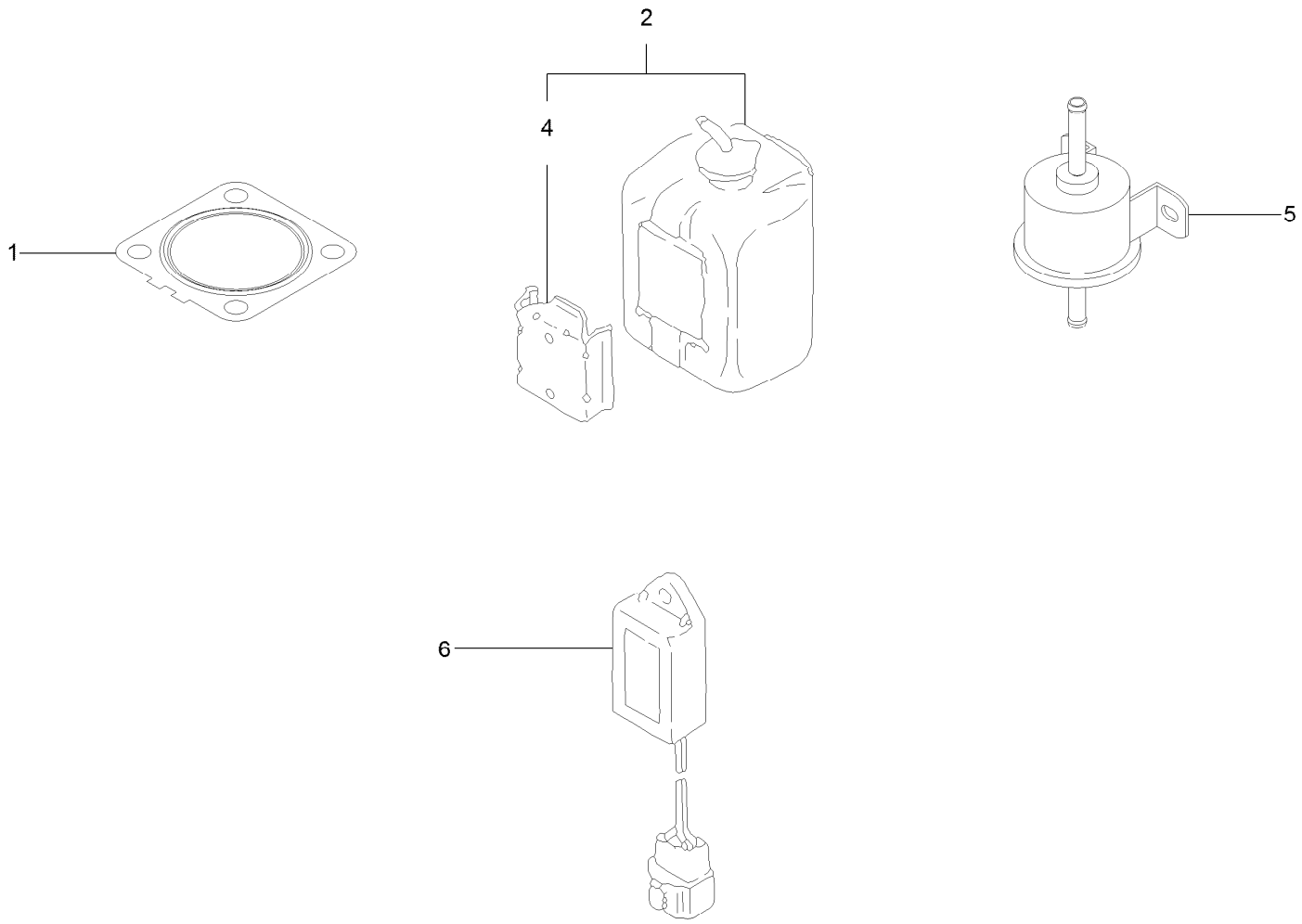
# Generator Assembly



# Generator Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 127-3011 | 1 | Stud |
| 2 | 139-6018 | 1 | Generator |
| 3 | 144-0647 | 1 | Nut |
| 4 | 127-3843 | 1 | Rotor ASM |
| 5 | 127-2983 | 1 | Bearing-Ball |
| 6 | 127-2962 | 1 | Cover |
| 7 | 135-4025 | 1 | Frame ASM |
| 8 | 127-2958 | 1 | Bearing-Ball |
| 9 | 127-2959 | 1 | Plate-Retainer |
| 10 | 127-2960 | 4 | Screw |
| 11 | 127-2961 | 2 | Stud |
| 12 | 127-3845 | 1 | Frame |
| 13 | 127-3846 | 1 | Cover |
| 14 | 127-2954 | 1 | Pulley |
| 15 | 127-2955 | 1 | Nut |
| 16 | 127-2957 | 1 | Collar |
| 17 | 144-0648 | 1 | Regulator Assy |
| 18 | 127-3848 | 1 | Holder |
| 19 | 127-2993 | 1 | Holder |
| 20 | 127-2965 | 6 | Screw |
| 21 | 127-2966 | 1 | Screw |
| 22 | 127-2967 | 3 | Bolt |
| 23 | 127-2968 | 2 | Screw |
| 24 | 127-2969 | 2 | Bolt |
| 25 | 127-2970 | 1 | Bushing-Insulation |
| 26 | 127-2971 | 2 | Nut |
| 27 | 125-7230 | 1 | Nut |
| 28 | 125-6947 | 1 | Spacer |
| 29 | 127-2977 | 1 | Adjuster |
| 30 | 125-7134 | 1 | Bolt |
| 31 | 125-7219 | 1 | Bolt |

# Accessories Assembly



# Accessories Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 144-0649 | 1 | Gasket, Silencer |
| 2 | 140-7185 | 1 | Tank ASM |
| 4 | 140-7165 | 1 | Bracket-Tank |
| 5 | 121-5613 | 1 | Pump-Fuel, Electric |
| 6 | 134-1507 | 1 | Timer |

# Attachments and Accessories

## For 31907 Groundsmaster 3300 All-Wheel Drive Traction Unit

| Product Name | Model/Part |
|---|---|
| Operator Cooling Fan | 03247 |
| Switch Panel | 03248 |
| White Universal Sunshade | 30669 |
| Red Universal Sunshade | 30671 |
| Slope Sensor Kit | 31952 |
| Auxiliary HYD Kit | 31966 |
| 60in SD Deck | 31970 |
| 60in RD Deck | 31971 |
| 72in SD Deck | 31972 |
| 72in RD Deck | 31973 |
| Recycler Kit 60in/152cm SD | 31976 |
| Recycler Kit, 60In/152cm RD | 31977 |
| Recycler Kit, 72In/183cm SD | 31978 |
| Recycler Kit, 72In/183cm RD | 31979 |
| Seat Assembly - Standard | 31980 |
| Seat Assembly - Mechanical Suspension | 31981 |
| Seat Assembly - Air Ride Suspension | 31982 |
| Storage Box Kit | 31983 |
| USB Charging Kit | 31984 |
| Cab-Winter, GM3000 Series | 31990 |
| Road Light Kit (North America) | 31991 |
| Accessory Control Kit | 31994 |
| LED Beacon Kit | 31996 |
| LED Work-Light Kit (GM3200/3300, ROPS) | 31997 |
| 15-Pound Cast Weight | 112-7059-01 |
| 42-Pound Weight | 114-4096 |
| Beacon Kit | 138-2699 |
| Work Lights Kit | 138-2700 |
| Storage Bag Kit | 139-2020 |
| SMV Kit | 139-2339 |
| Wrench-Caster Cap/Latch | 138-6367 |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail) | 119-2157 |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum) | 119-2158 |
| Filter-Air | 108-3810 |
| Filter-Fuel | 144-0453 |
| Fuel/Water Separator Filter | 125-2915 |
| Filter-Oil, Transmission | 86-3010 |
| Engine Oil Filter | 125-7025 |
| Hydraulic Hose Kit | 31999 |
| Power Harness Kit | 140-1559 |
| Kit-Weight | 144-0480 |
| Plate-Weight, 25 LBS | 144-0484 |
| Semi-Gloss Black Spray Paint | 361-9 |
| Toro Red 12oz Aerosol Can | 361-10 |
| Paint-Black Bottle | 112-0176 |
| Paint-Red Pen | 112-0177 |

# Attachments and Accessories (continued)

Paint-Red Bottle .....112-0178
Seat Cover (W/arm rest).....117-0095
PX Hydraulic Fluid (5 Gal) ..... 133-8086
PX Hydraulic Fluid (55 Gal)..... 133-8087

**Count on it.**