Form No. 3377-113 Rev B

TORO®

Count on it.

Parts Catalog

# Multi-Pro® 5800 Turf Sprayer

**Model No. 41593—Serial No. 313000001 and Up**

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

CE

*3377-113* B

# 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

**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:** Liquefied Petroleum Gas

**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

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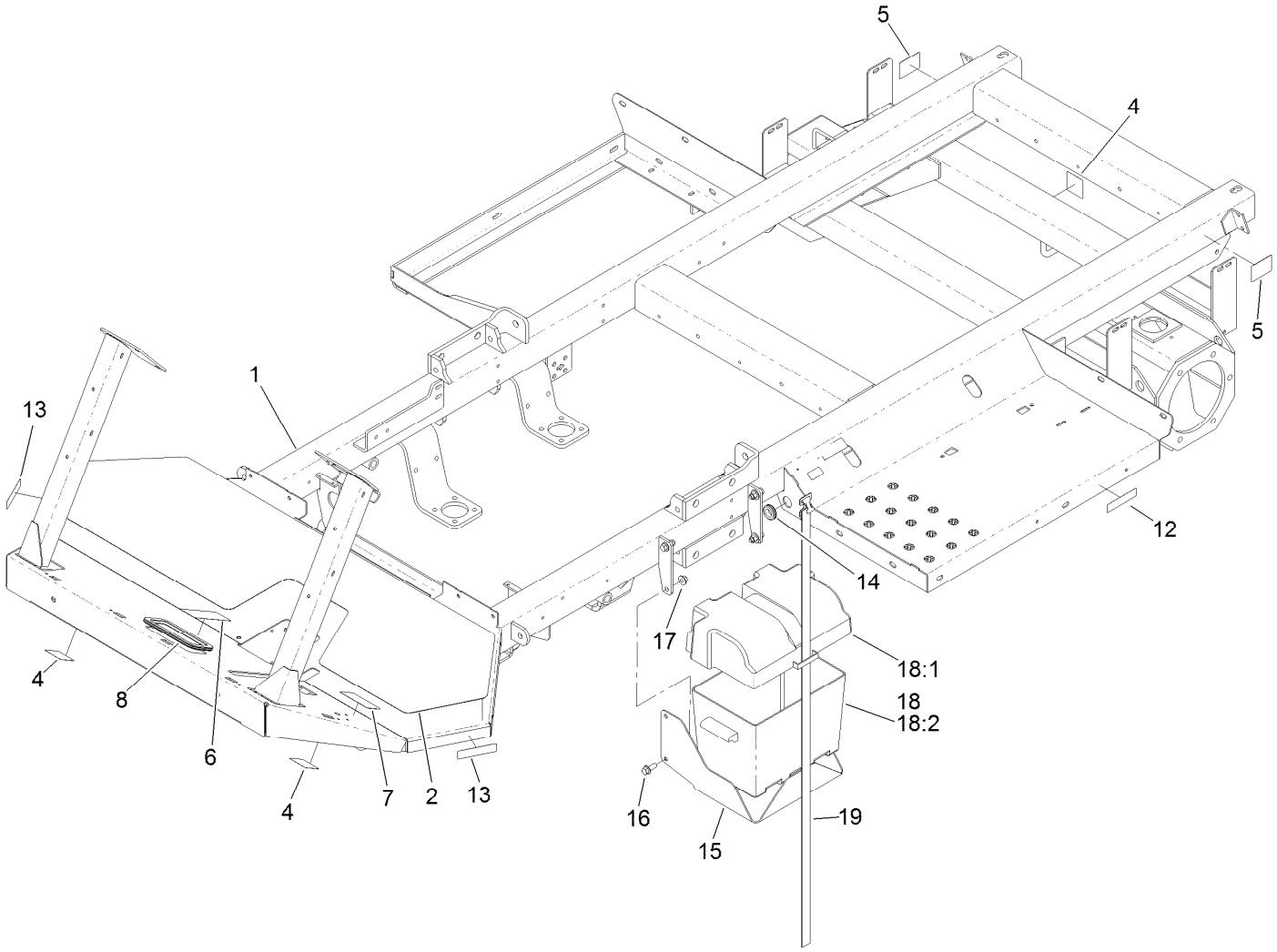




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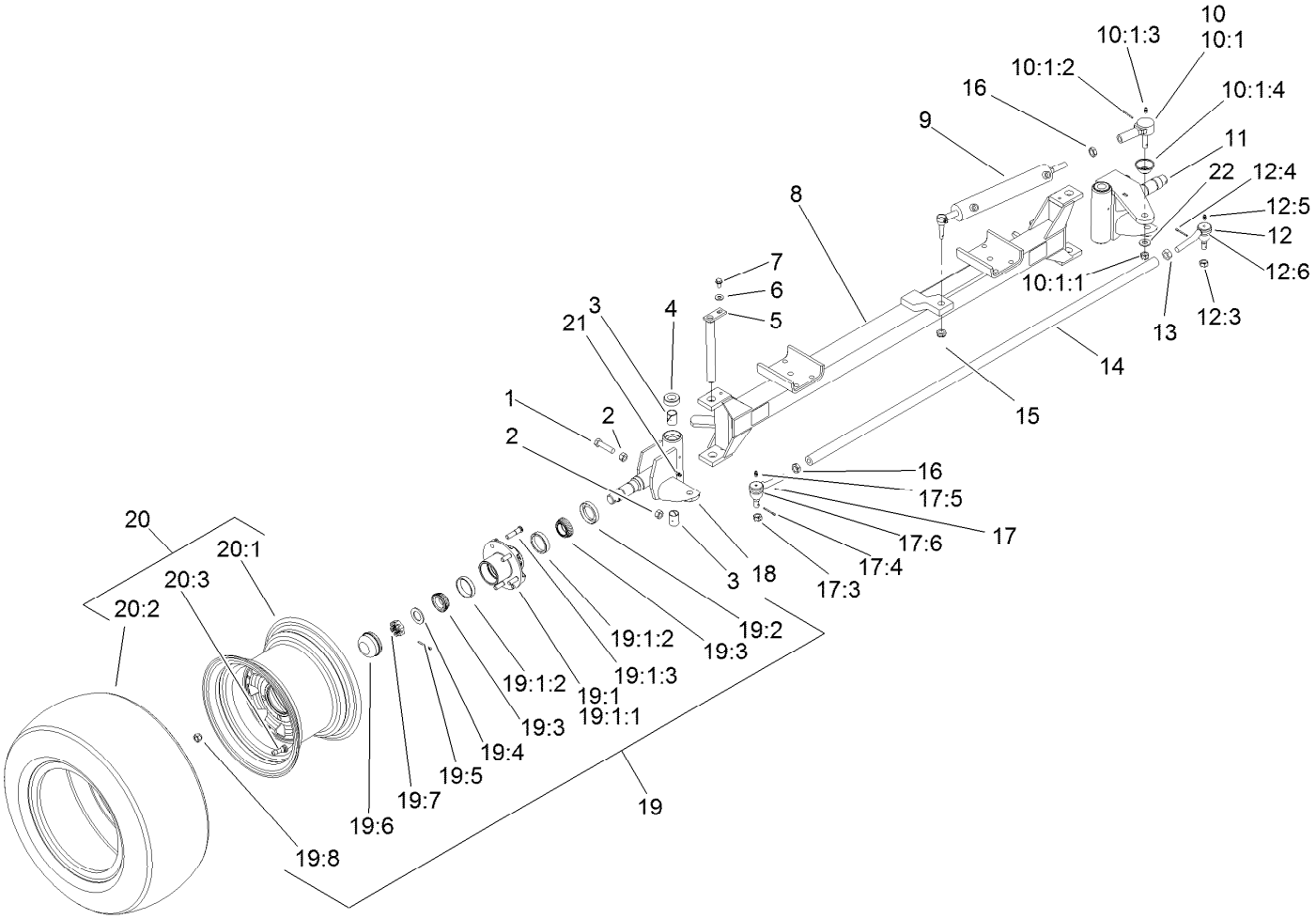
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# Frame and Battery Box Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-8001-03 | 1 | Mainframe ASM |
| 2 | 104-8863 | 1 | Tread-Floor |
| 4 | 120-0623 | 3 | Decal-Tie Down, Towing |
| 5 | 107-8667 | 2 | Decal-Jacking |
| 6 | 107-8724 | 1 | Decal-Traction |
| 7 | 100-8619 | 1 | Decal-Switch, Boom |
| 8 | 119-0599 | 1 | Trim-Seal |
| 12 | 107-8732 | 2 | Decal-Torque (Ce) |
| 13 | 107-8731 | 2 | Decal-Torque (Ce) |

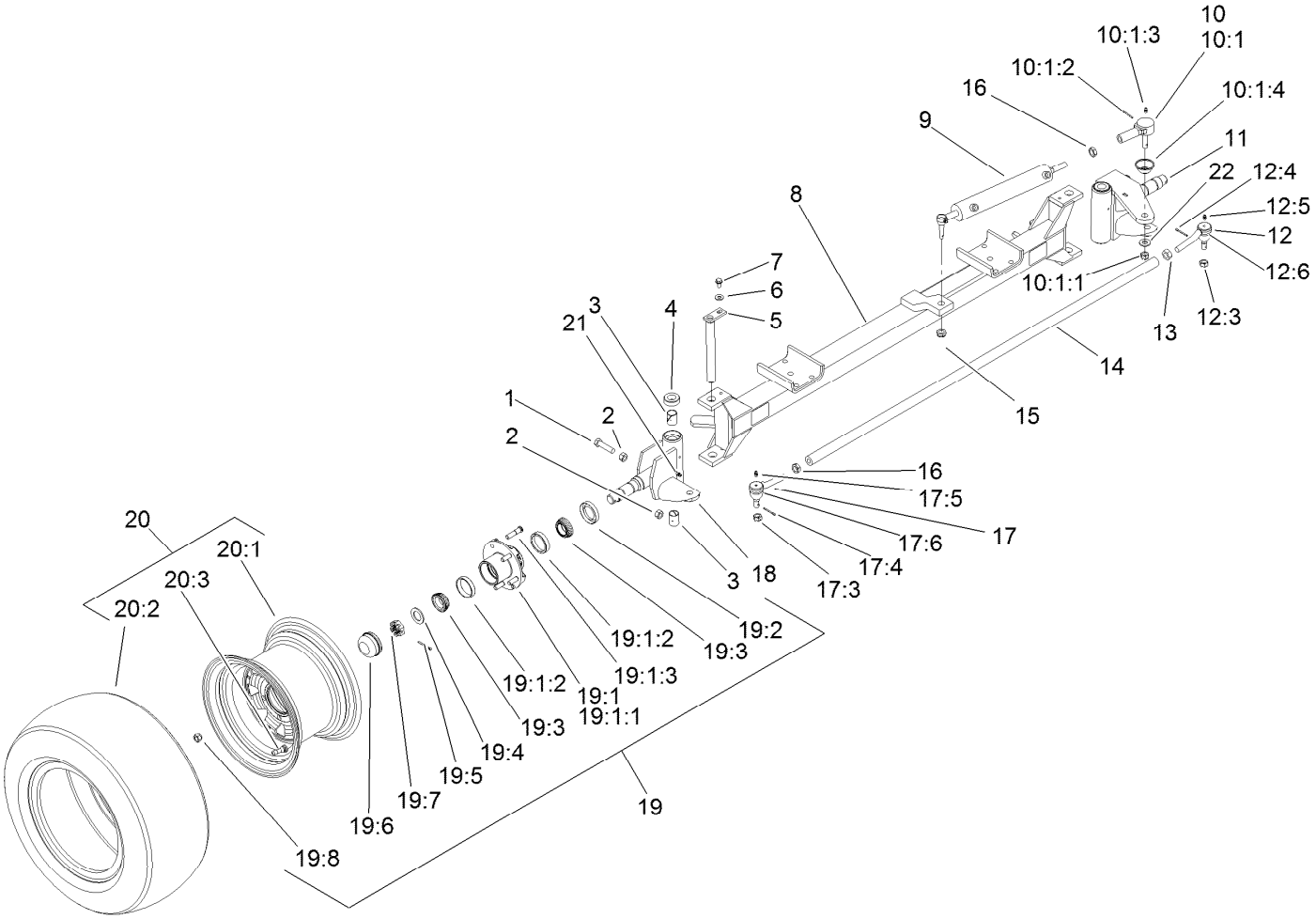
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 240-6 | 1 | Grommet-Rubber |
| 15 | 119-5049-03 | 1 | Bracket-Battery |
| 16 | 3234-11 | 4 | Screw-HHF |
| 17 | 32128-43 | 4 | Nut-Flange |
| 18 | 93-7595 | 1 | Battery Box ASM |
| 18:1 | 105-2914 | 1 | Top-Battery Box |
| 18:2 | 105-2915 | 1 | Bottom-Battery Box |
| 19 | 3339-175 | 1 | Strapping-Web |




# Front Wheel, Tie Rod and Spindle Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 01-182-0816 | 2 | TAP Bolt-HH |
| 2 | 3217-9 | 4 | Nut-HH |
| 3 | 93-6586 | 4 | Bushing |
| 4 | 93-6587 | 2 | Bearing |
| 5 | 93-6584 | 2 | King Pin ASM |
| 6 | 3256-3 | 2 | Washer-Flat |
| 7 | 32144-14 | 2 | Screw-HWHTF |
| 8 | 121-5087-03 | 1 | Front Axle ASM |
| 9 | 93-6510 | 1 | Cylinder ASM |
| 10 | 93-6509-03 | 1 | Tie Rod End ASM |
| 10:1 | | 1 | Tie Rod End ● |
| 10:1:1 | 32136-3 | 1 | Nut-SHH |
| 10:1:2 | 3272-12 | 1 | Pin-Cotter |
| 10:1:3 | 302-5 | 1 | Fitting-Grease |
| 10:1:4 | 106-4901 | 1 | Seal-End, Rod |
| 11 | 117-5899-03 | 1 | LH Spindle Housing ASM |
| 12 | 87-1470-03 | 1 | End-Tie Rod, LH |
| 12:3 | 32136-3 | 1 | Nut-SHH |
| 12:4 | 3272-12 | 1 | Pin-Cotter |
| 12:5 | 302-5 | 1 | Fitting-Grease |
| 12:6 | 107-1587 | 1 | Seal |
| 13 | 3218-21 | 1 | Nut-Jam |
| 14 | 93-6588 | 1 | Rod-Steering |
| 15 | 3296-57 | 1 | Nut-Lock, NI |
| 16 | 3220-11 | 2 | Nut-Jam |
| 17 | 87-1480-03 | 1 | End-Tie Rod, RH |
| 17:3 | 32136-3 | 1 | Nut-SHH |
| 17:4 | 3272-12 | 1 | Pin-Cotter |
| 17:5 | 302-5 | 1 | Fitting-Grease |
| 17:6 | 107-1587 | 1 | Seal |
| 18 | 117-5897-03 | 1 | Spindle ASM |
| 19 | 119-6003 | 2 | Hub ASM |
| 19:1 | 119-6001 | 1 | Hub ASM |
| 19:1:1 | | 1 | Hub ● |
| 19:1:2 | 254-61 | 2 | Cup-Bearing, Roller |
| 19:1:3 | 69-2990 | 5 | Stud-Wheel |

● Not serviced separately

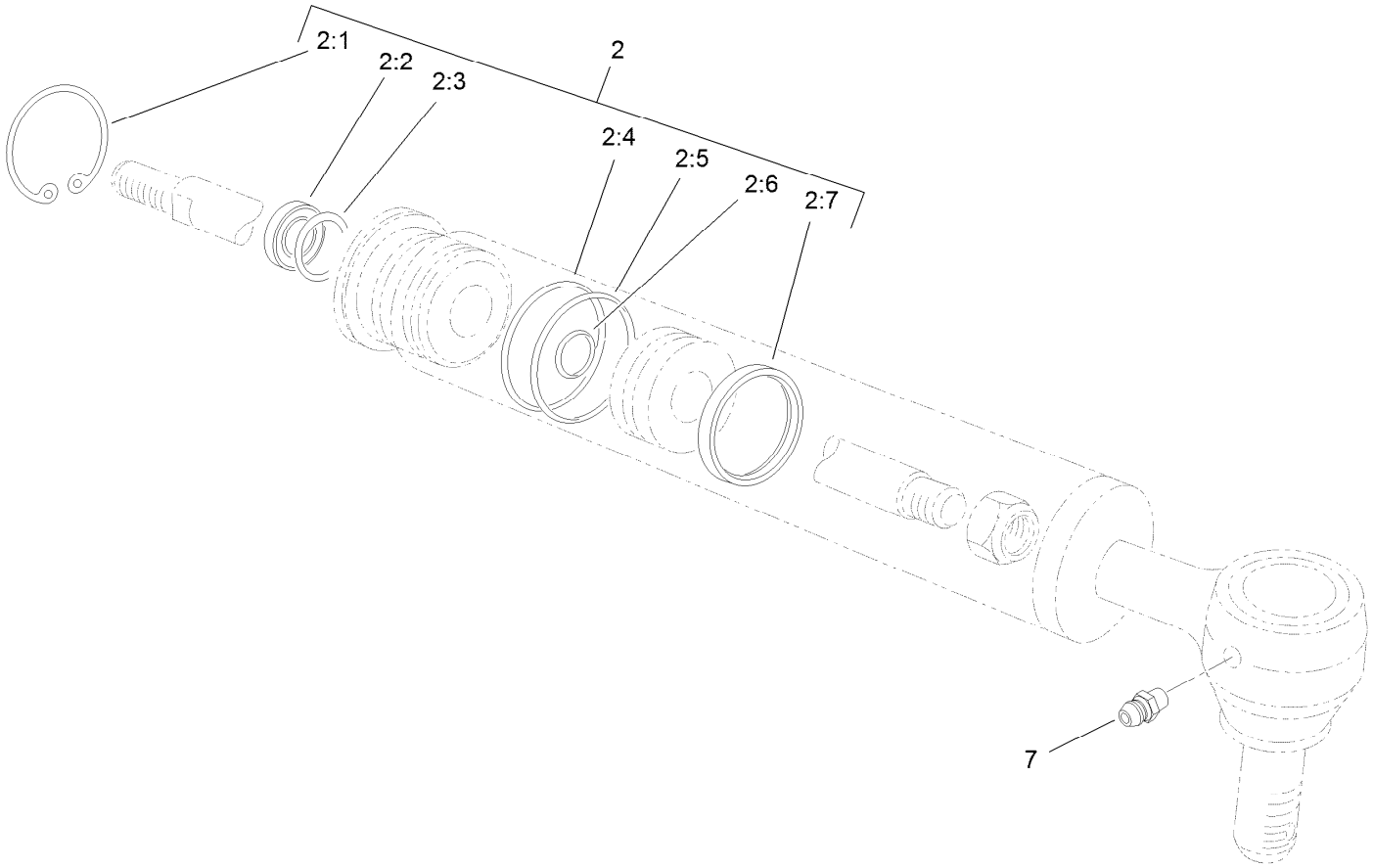



# Front Wheel, Tie Rod and Spindle Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19:2 | 94-7285 | 1 | Seal |
| 19:3 | 254-62 | 2 | Bearing-Roller, Cone |
| 19:4 | 85-5770 | 1 | Washer-Thrust |
| 19:5 | 3272-18 | 1 | Pin-Cotter |
| 19:6 | 119-6004 | 1 | Cap-Dust |
| 19:7 | 119-6005 | 1 | Nut-Slotted, Hex |
| 19:8 | 242-35 | 5 | Nut-Wheel |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 119-6020 | 2 | Tire And Wheel ASM |
| 20:1 | 119-6022 | 1 | Wheel |
| 20:2 | 119-6021 | 1 | Tire |
| 20:3 | 232-27 | 1 | Stem-Valve |
| 21 | 302-5 | 2 | Fitting-Grease |
| 22 | 87-7270 | 1 | Washer-Thrust |

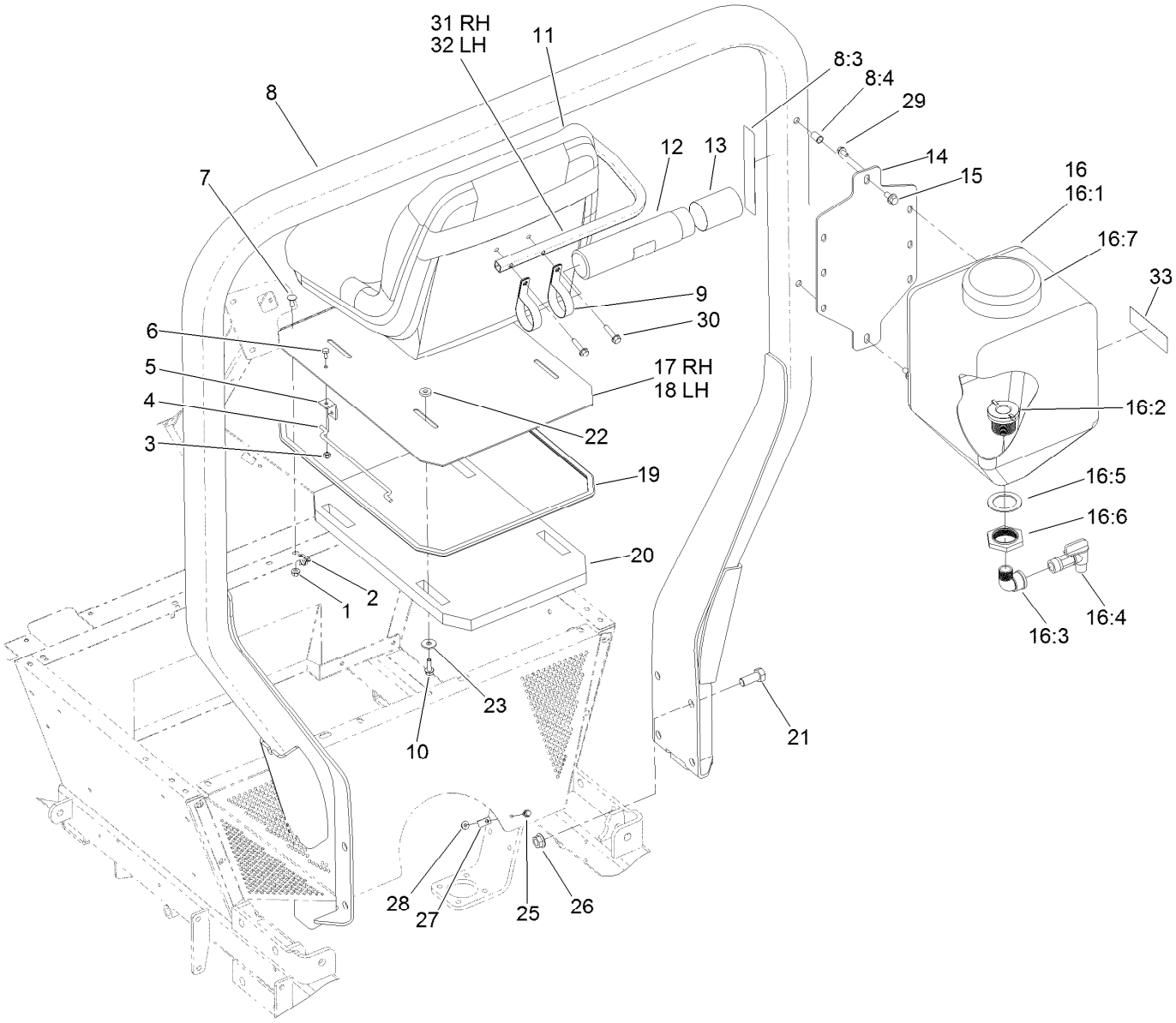
● Not serviced separately




# Hydraulic Cylinder Assembly No. 93-6510

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 92-3992 | 1 | Repair Kit |
| 2:1 | | 1 | Ring-Retaining ● |
| 2:2 | | 1 | Seal-Dust ● |
| 2:3 | | 1 | Seal-Rod ● |
| 2:4 | | 1 | Ring-Backup ● |
| 2:5 | | 1 | O-Ring ● |
| 2:6 | | 1 | O-Ring ● |
| 2:7 | | 1 | Uniring ● |
| 7 | 302-5 | 1 | Fitting-Grease |

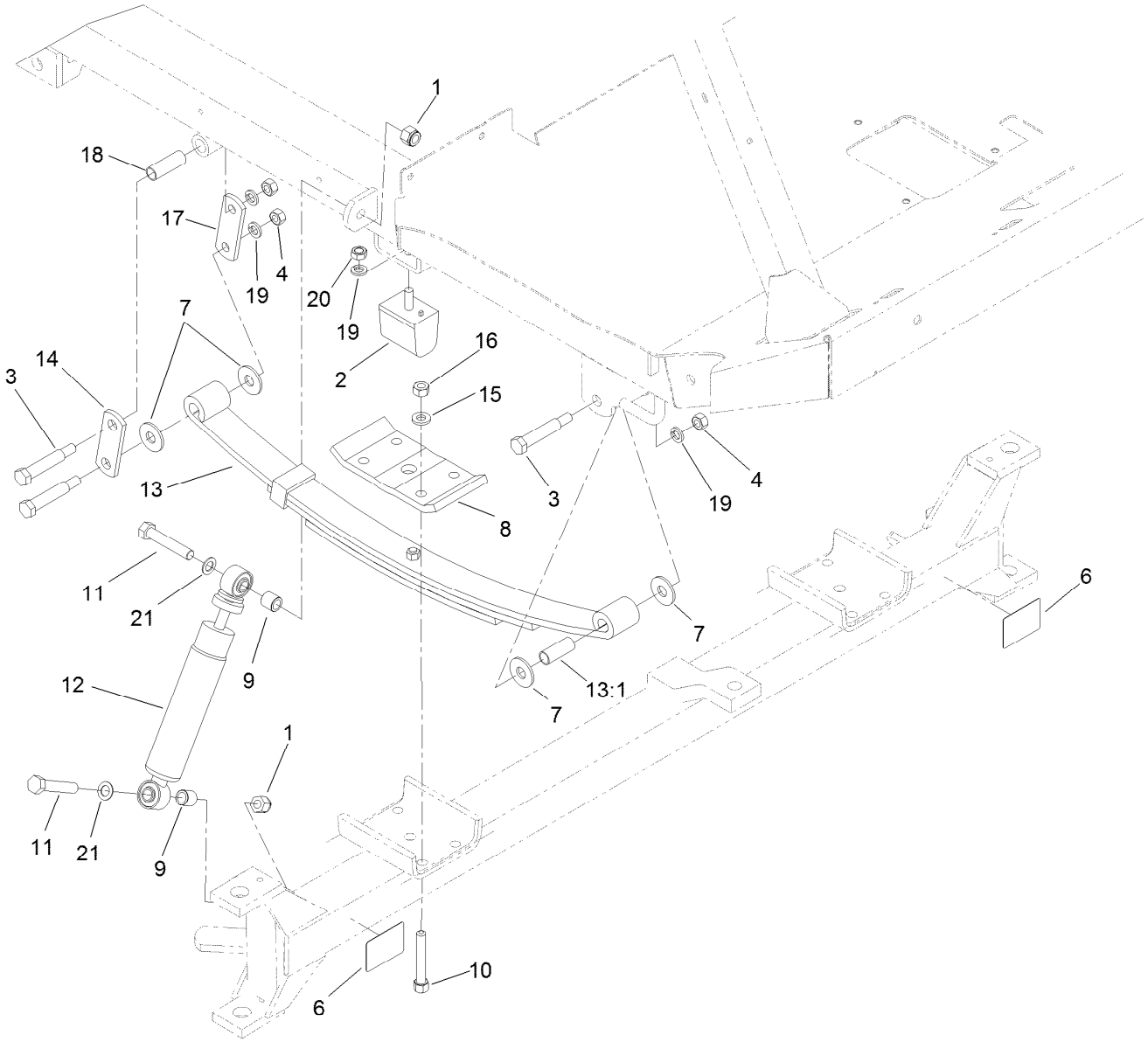
● Not serviced separately




# Roll-Over Protection System and Seat Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 32128-20 | 4 | Nut-HF |
| 2 | 3290-379 | 4 | Tie-Cable |
| 3 | 3296-42 | 2 | Nut-Lock, NI |
| 4 | 94-7204 | 2 | Seat Prop Rod ASM |
| 5 | 94-7203 | 2 | Bracket |
| 6 | 321-3 | 2 | Screw-HH |
| 7 | 3230-23 | 4 | Screw-CARR |
| 8 | 119-0589 | 1 | ROPS ASM |
| 8:3 | 117-4955 | 1 | Decal-Danger, ROPS (Ce) |
| 8:4 | 32148-10 | 2 | Insert-Nut |
| 9 | 2412-133 | 2 | R-Clamp |
| 10 | 33104-025 | 8 | Screw-HHF |
| 11 | 112-2923 | 2 | Seat ASM |
| 12 | 104-7050 | 1 | Tube-Manual |
| 13 | 104-7048 | 1 | Cap-Housing |
| 14 | 120-0763-03 | 1 | Plate-Fresh Water |
| 15 | 3234-1 | 2 | Screw-HHF |
| 16 | 117-7901 | 1 | Tank-Fresh Water |
| 16:1 | 119-0523 | 1 | Tank-Fresh Water |
| 16:2 | 117-7998 | 1 | Bulkhead |
| 16:3 | 119-0524 | 1 | Elbow |

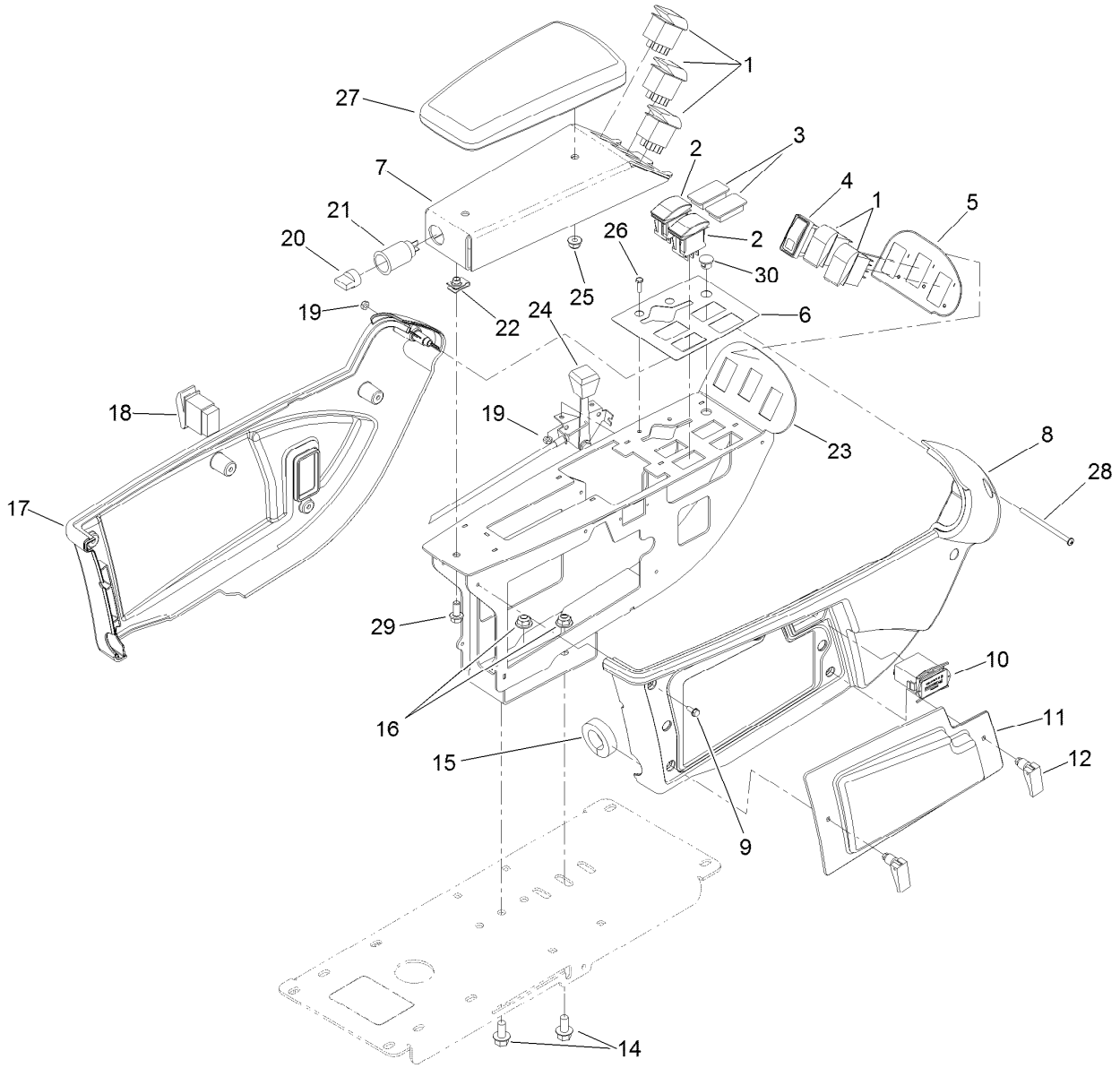
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16:4 | 106-4925 | 1 | Spigot-90 DEG |
| 16:5 | 119-0526 | 1 | Bulkhead-Washer |
| 16:6 | 119-0525 | 1 | Bulkhead-Nut |
| 16:7 | 99-0613 | 1 | Cap-Tank |
| 17 | 108-3289-03 | 1 | RH Seat Panel ASM |
| 18 | 108-3288-03 | 1 | LH Seat Panel ASM |
| 19 | 94-7085 | 2 | Trim |
| 20 | 108-3290 | 2 | Barrier-Noise, Seat |
| 21 | 327-4 | 8 | Screw-HH |
| 22 | 7-0081 | 6 | Washer-Flat |
| 23 | 52-2861 | 10 | Washer |
| 25 | 3234-4 | 1 | Screw-HHF |
| 26 | 32128-50 | 8 | Nut-Flange |
| 27 | 2412-72 | 1 | Clip-Closed, Insulated |
| 28 | 104-7201 | 1 | Nut-HF |
| 29 | 3234-14 | 6 | Screw-HHF |
| 30 | 33104-035 | 4 | Screw-HHF |
| 31 | 119-0732-03 | 1 | Armrest-RH |
| 32 | 119-0731-03 | 1 | Armrest-LH |
| 33 | 120-0616 | 1 | Decal-Fresh Water |




# Front Suspension Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3296-19 | 4 | Nut-Hex |
| 2 | 87-3470 | 2 | Bumper-Axle, Rear |
| 3 | 110-5072 | 6 | Bolt-Shoulder |
| 4 | 3217-8 | 6 | Nut-Hex |
| 6 | 107-8667 | 2 | Decal-Jacking |
| 7 | 93-6161 | 8 | Washer |
| 8 | 121-5089-03 | 2 | Plate-Top, Spring |
| 9 | 108-8483 | 4 | Spacer-Plain |
| 10 | 26-0672 | 8 | Bolt-Blade |
| 11 | 3213-8 | 4 | Screw-HH |
| 12 | 112-7824 | 2 | Shock Absorber ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13 | 99-0570 | 2 | Spring-Leaf |
| 13:1 | 119-9437 | 2 | Bushing-Leaf Spring |
| 14 | 42574 | 2 | Shackel-Outside |
| 15 | 87-7480 | 8 | Washer |
| 16 | 106-0327 | 8 | Nut-Hex |
| 17 | 42576 | 2 | Shackel-Inside |
| 18 | 42592 | 2 | Bushing-Shackle |
| 19 | 3253-6 | 8 | Washer-Lock |
| 20 | 93-6166 | 2 | Nut-Hex |
| 21 | 100-7336 | 4 | Washer |

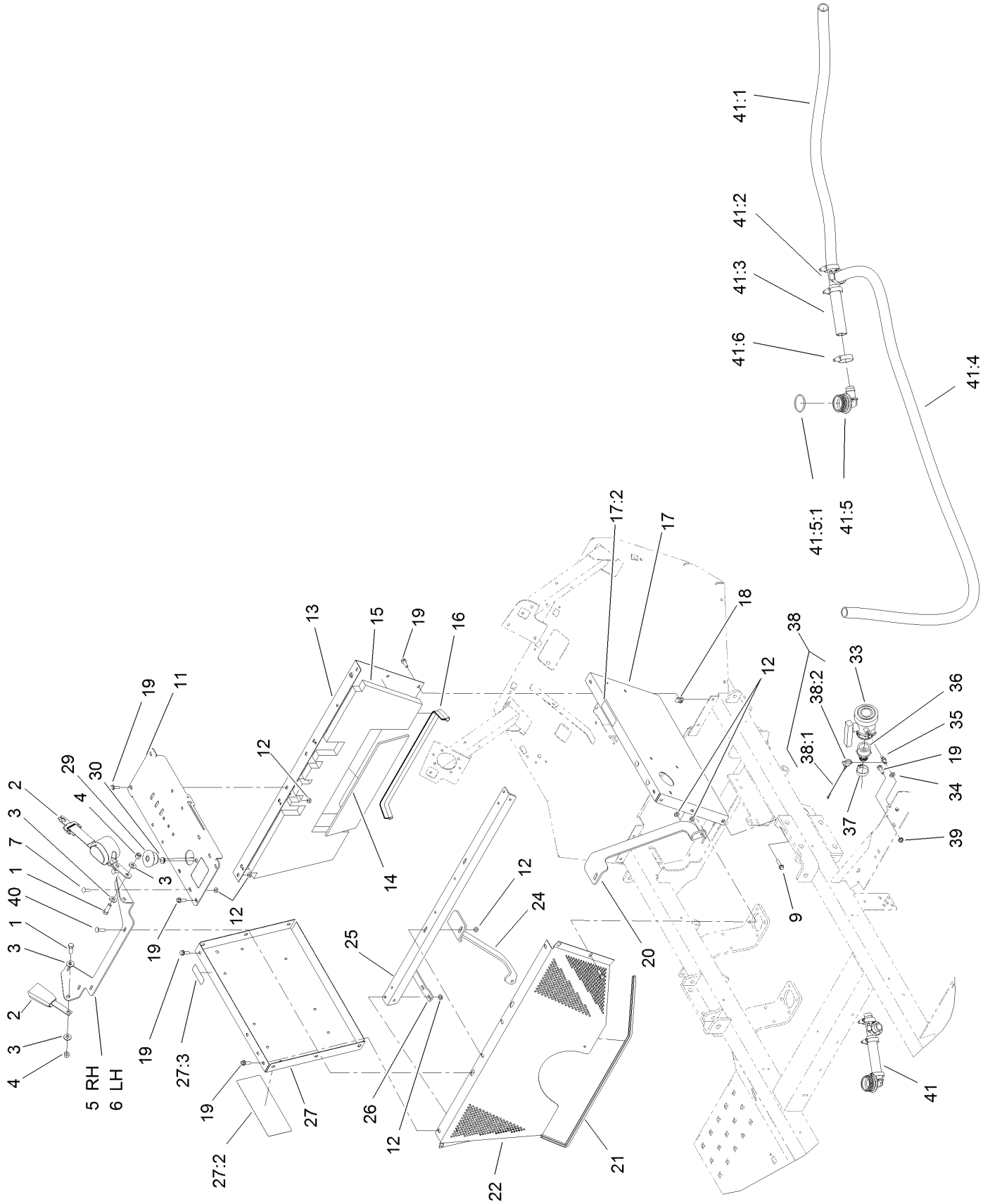



# Console Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 100-8490 | 5 | Switch-Rocker |
| 2 | 100-1535 | 2 | Switch |
| 3 | 99-7420 | 2 | Plug-Hole |
| 4 | 104-9007 | 1 | Switch-Rocker |
| 5 | 119-0568 | 1 | Decal-Console, Upper |
| 6 | 119-0567 | 1 | Decal-Console, Lower |
| 7 | 117-0777-03 | 1 | Panel-Arm |
| 8 | 108-7605 | 1 | Cover-RH |
| 9 | 32144-112 | 10 | Screw-HWH |
| 10 | 1-513374 | 1 | Meter-Hour |
| 11 | 108-7616 | 1 | Panel-Access |
| 12 | 74-5950 | 2 | Latch-Swell |
| 14 | 3234-1 | 2 | Screw-HHF |
| 15 | 110-8912 | 1 | Seal-Foam |
| 16 | 104-8301 | 2 | Nut-Flange, NI |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 108-7604 | 1 | Cover-LH |
| 18 | 95-8999 | 1 | Switch |
| 19 | 3296-2 | 3 | Nut-Lock, NI |
| 20 | 99-7416 | 1 | Cap |
| 21 | 99-7411 | 1 | Point-Power |
| 22 | 112-3306 | 1 | Nut |
| 23 | 117-0770-03 | 1 | Front Console Arm ASM |
| 24 | 119-0564 | 1 | Control-Throttle |
| 25 | 104-8300 | 2 | Nut-Flange, NI |
| 26 | 32105-13 | 2 | Screw-HWH |
| 27 | 108-7602 | 1 | Rest-Arm |
| 28 | 3250-22 | 1 | Screw-PPH |
| 29 | 3234-47 | 1 | Screw-HHF |
| 30 | 119-5329 | 1 | Plug-Hole |

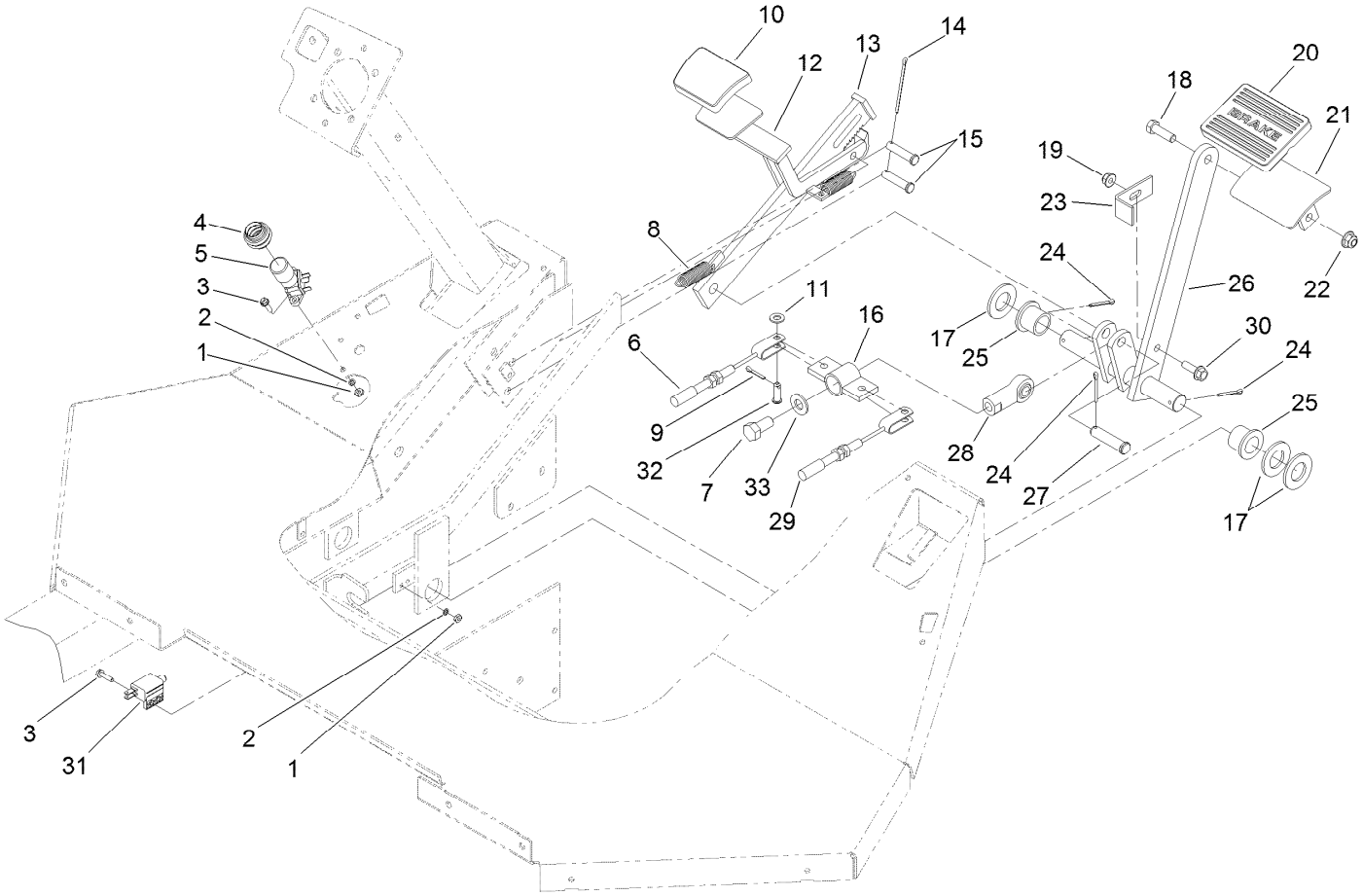
# Seat Box Assembly



# Seat Box Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 324-5 | 4 | Screw-HH |
| 2 | 110-0413 | 2 | Seatbelt-Retractable |
| 3 | 3256-4 | 8 | Washer-Flat |
| 4 | 3296-48 | 4 | Nut-Lock, NI |
| 5 | 121-5071-03 | 1 | Bracket-Seat Belt, RH |
| 6 | 121-5072-03 | 1 | Bracket-Seat Belt, LH |
| 7 | 3230-22 | 12 | Screw-CARR |
| 9 | 3234-36 | 2 | Screw-HHF |
| 11 | 119-0559-03 | 1 | Base-Console |
| 12 | 32128-20 | 32 | Nut-HF |
| 13 | 106-5027-01 | 1 | Front Seat Box Panel ASM |
| 14 | 117-5819 | 1 | Noise Barrier-Lower Front |
| 15 | 117-5818 | 1 | Barrier-Noise, Front Panel |
| 16 | 95-2178 | 1 | Trim |
| 17 | 121-5090 | 1 | RH Seat Box Panel ASM |
| 17:2 | 120-0625 | 1 | Decal-Warning, Pinch Point |
| 18 | 94-2413 | 4 | U-Nut |
| 19 | 3234-17 | 21 | Screw-HHF |
| 20 | 107-8729-03 | 1 | Support-RH |
| 21 | 106-1998 | 1 | Trim |
| 22 | 106-5286-03 | 1 | Shroud-Engine |
| 24 | 107-8730-03 | 1 | Support-LH |
| 25 | 119-5025-03 | 1 | Angle-Seat Box |
| 26 | 95-2264 | 2 | Strap |
| 27 | 121-5091 | 1 | LH Seat Box Panel ASM |
| 27:2 | 120-0619 | 1 | Decal-Warning |
| 27:3 | 120-0625 | 1 | Decal-Warning, Pinch Point |
| 29 | 32180-033 | 1 | Grommet |
| 30 | 237-141 | 1 | Grommet-Rubber |
| 33 | 108-0069 | 1 | Valve-Ball |
| 34 | 62-1230 | 2 | Washer-Rubber |
| 35 | 112-7900 | 2 | Mount-Peg |
| 36 | 110-5224 | 1 | Fitting-Barbed, Straight |
| 37 | 2412-34 | 1 | Clamp-Hose |
| 38 | 98-0979 | 1 | Lynch Pin ASM |
| 38:1 | 28-8070 | 1 | Lanyard |
| 38:2 | 3290-495 | 1 | Pin-Klik |
| 39 | 104-8300 | 2 | Nut-Flange, NI |
| 40 | 3230-3 | 2 | Screw-CARR |
| 41 | | 1 | Drain Hose ASM ● |
| 41:1 | 120-8566 | 1 | Hose |
| 41:2 | 117-7866 | 1 | Tee-Hosebarb |
| 41:3 | 120-8568 | 1 | Hose |
| 41:4 | 120-8567 | 1 | Hose |
| 41:5 | 106-4933 | 1 | Hosebarb ASM |
| 41:5:1 | 100-8637 | 1 | O-Ring |
| 41:6 | 2412-3 | 4 | Clamp-Hose |

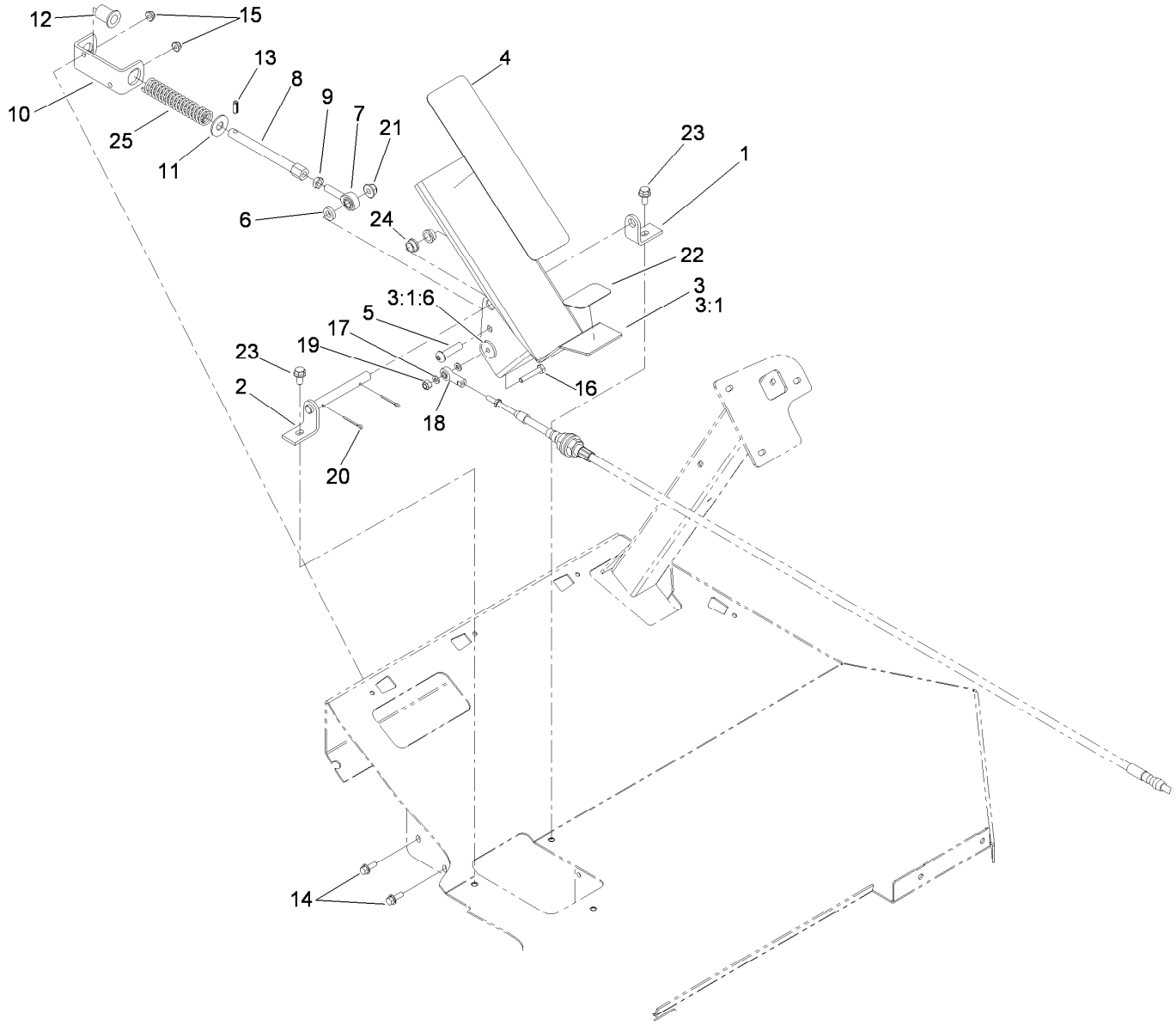
● Not serviced separately




# Brake Pedal Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3217-26 | 4 | Nut-Hex |
| 2 | 3253-17 | 4 | Washer-Lock |
| 3 | 32105-13 | 4 | Screw-HWH |
| 4 | 110-5130 | 1 | Bellow-Switch |
| 5 | 110-5189 | 1 | Switch-Floor |
| 6 | 119-9364 | 1 | Cable-Brake, LH |
| 7 | 3213-1 | 1 | Screw-HH |
| 8 | 92-0417 | 2 | Spring-EXT |
| 9 | 3272-10 | 2 | Pin-Cotter |
| 10 | 42719 | 1 | Pad-Pedal |
| 11 | 3256-23 | 2 | Washer-Flat |
| 12 | 93-6599-03 | 1 | Catch ASM |
| 13 | 93-6598-03 | 1 | Brake Strap ASM |
| 14 | 3272-53 | 1 | Pin-Cotter |
| 15 | 283-15 | 2 | Pin-Clevis |
| 16 | 93-6595 | 1 | Brake Equalizer ASM |
| 17 | 3256-29 | 3 | Washer-Flat |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 323-7 | 1 | Screw-HH |
| 19 | 104-8300 | 1 | Nut-Flange, NI |
| 20 | 7-3900 | 1 | Pad-Brake |
| 21 | 100-8422-03 | 1 | Pedal Bracket ASM |
| 22 | 104-8301 | 1 | Nut-Flange, NI |
| 23 | 93-6592-03 | 1 | Bracket |
| 24 | 3272-12 | 3 | Pin-Cotter |
| 25 | 94-7164 | 2 | Bearing |
| 26 | 93-6589 | 1 | Brake Shaft ASM |
| 27 | 42195 | 1 | Pin-Clevis |
| 28 | 522087 | 1 | Rod-End |
| 29 | 119-9365 | 1 | Cable-Brake, RH |
| 30 | 3234-17 | 1 | Screw-HHF |
| 31 | 1-513051 | 1 | Switch-Open, Normally |
| 32 | 283-58 | 2 | Pin-Clevis |
| 33 | 3256-26 | 1 | Washer-Flat |

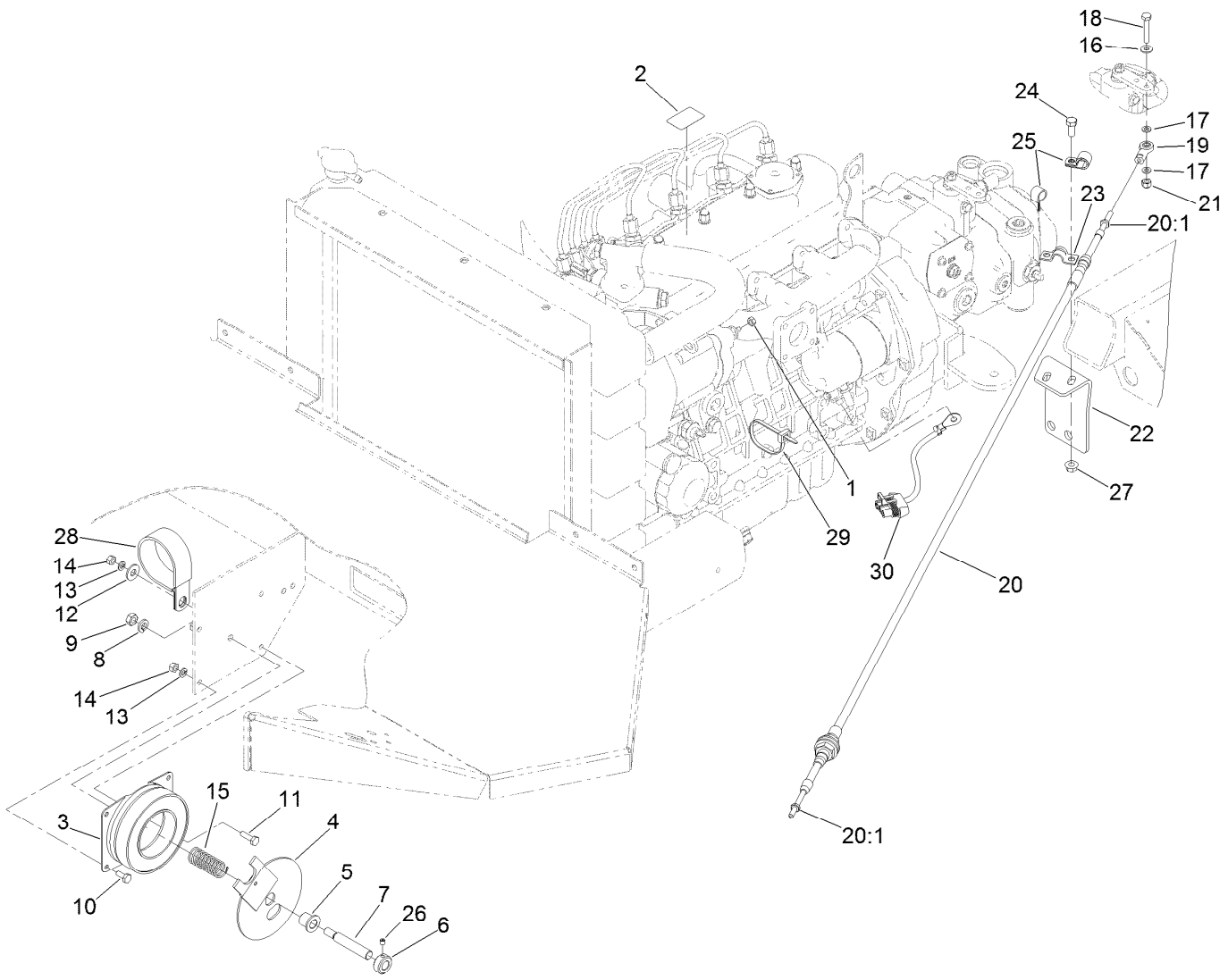



# Traction Pedal Assembly

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

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

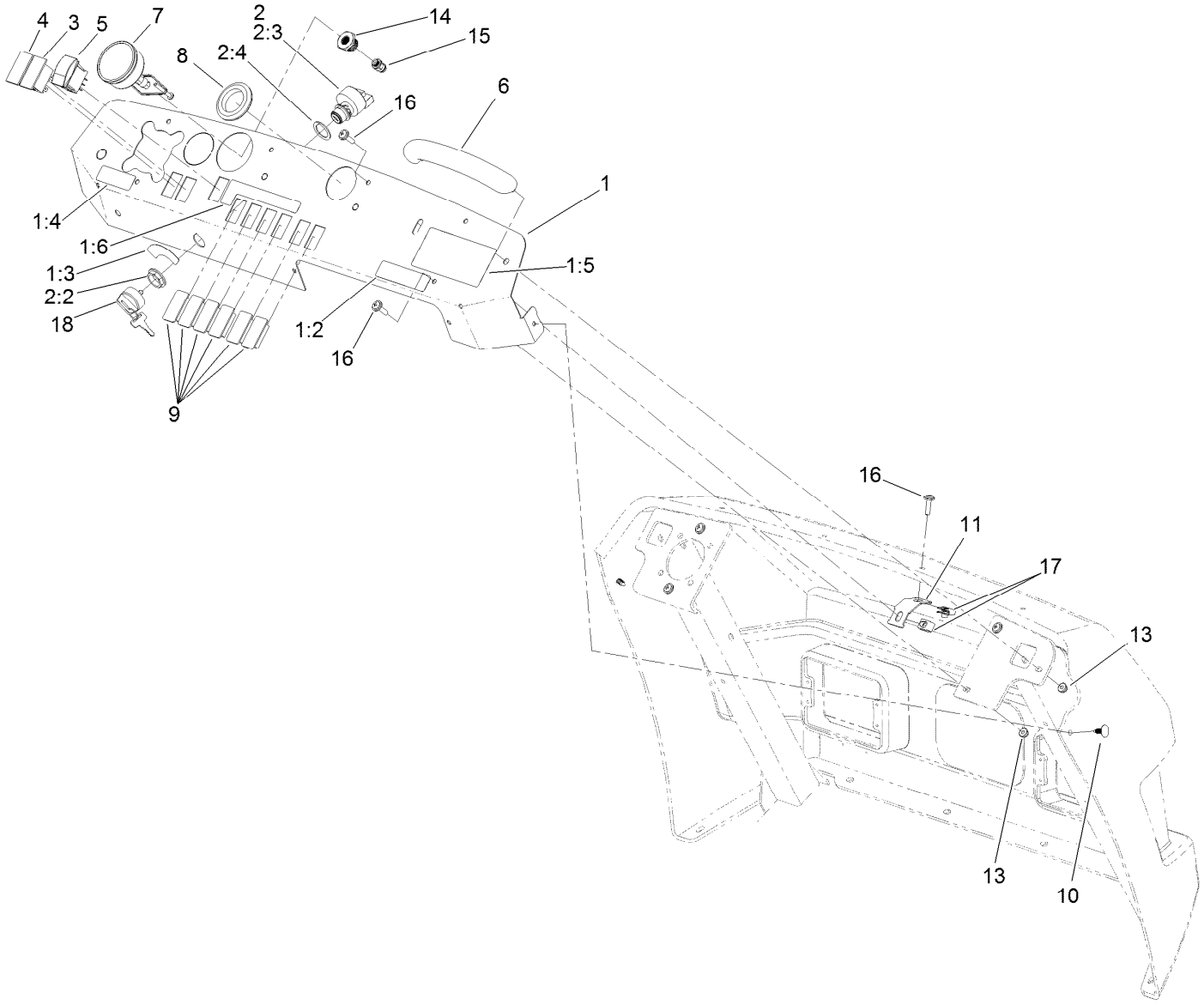
● Not serviced separately




# Accelerator Assembly

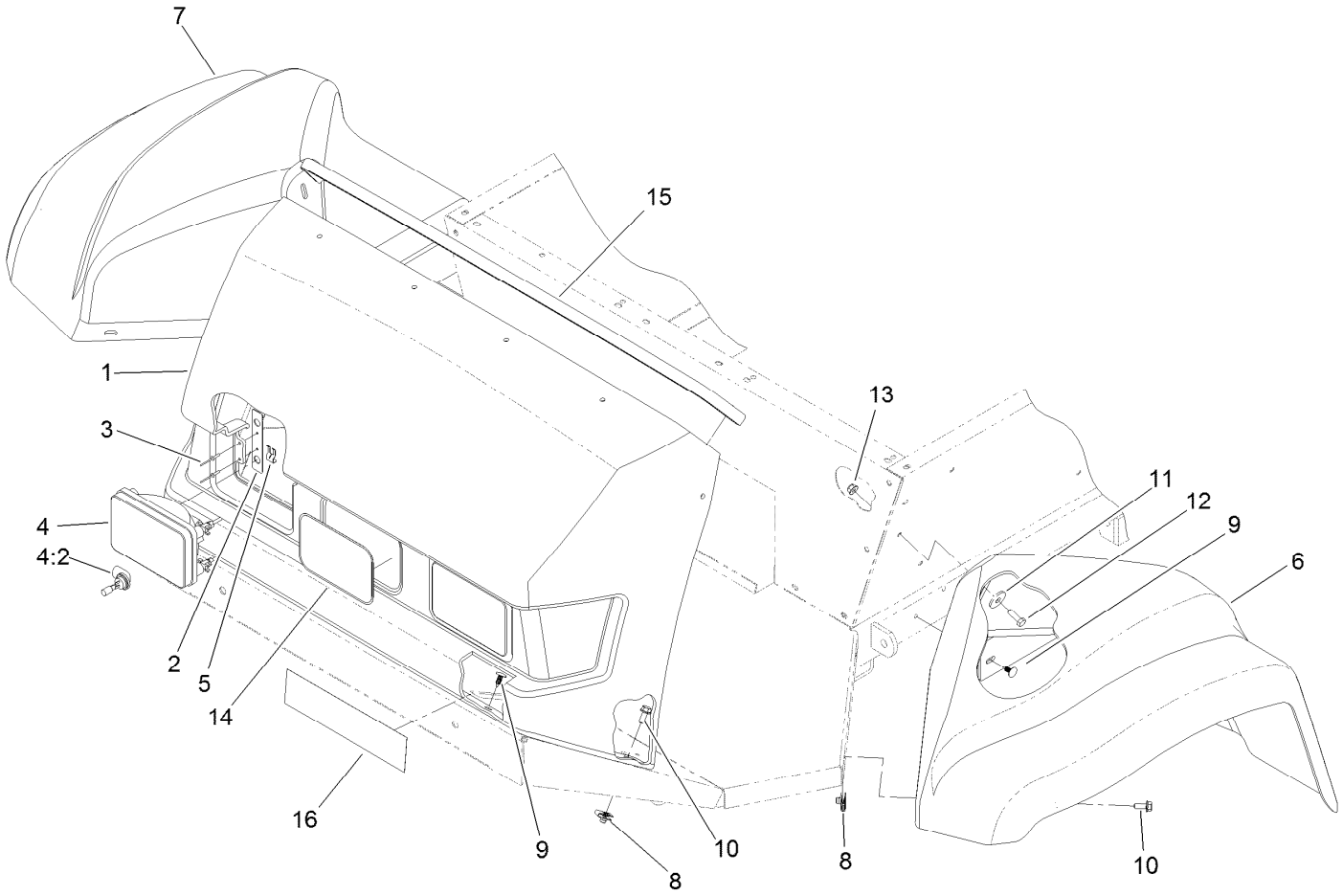
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 33013-00 | 1 | Nut-Hex |
| 2 | 106-5517 | 1 | Decal-Warning, Hot Surface |
| 3 | 42-1720 | 1 | Field Core Coil ASM |
| 4 | 43-6110-03 | 1 | Plate-Clutch |
| 5 | 256-273 | 1 | Bushing-Flange |
| 6 | 43-6320 | 1 | Collar |
| 7 | 69-9170 | 1 | Shaft-Cruise |
| 8 | 3253-5 | 1 | Washer-Lock |
| 9 | 3217-7 | 1 | Nut-Hex |
| 10 | 321-3 | 3 | Screw-HH |
| 11 | 321-5 | 1 | Screw-HH |
| 12 | 3256-3 | 1 | Washer-Flat |
| 13 | 3253-3 | 4 | Washer-Lock |
| 14 | 3217-5 | 4 | Nut-Hex |
| 15 | 43-6200 | 1 | Spring-Compression |
| 16 | 3256-22 | 1 | Washer-Flat |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 33093-00 | 2 | Washer-Flat |
| 18 | 321-9 | 1 | Screw-HH |
| 19 | 2411-41 | 1 | Rod End-Ball Joint |
| 20 | 106-5233 | 1 | Cable-Traction |
| 20:1 | 3220-1 | 2 | Nut-Jam |
| 21 | 3296-42 | 1 | Nut-Lock, NI |
| 22 | 119-9359 | 1 | Bracket-Cable, Rear |
| 23 | 93-2092 | 1 | Clamp-Cable |
| 24 | 322-3 | 2 | Screw-HH |
| 25 | 2412-93 | 2 | Clamp-R |
| 26 | 3245-32 | 1 | Screw-HSH |
| 27 | 32128-20 | 2 | Nut-HF |
| 28 | 2412-102 | 1 | Clamp-R |
| 29 | 3290-378 | 1 | Tie-Cable |
| 30 | 99-3441 | 1 | Harness-Wire, Fusible Link |



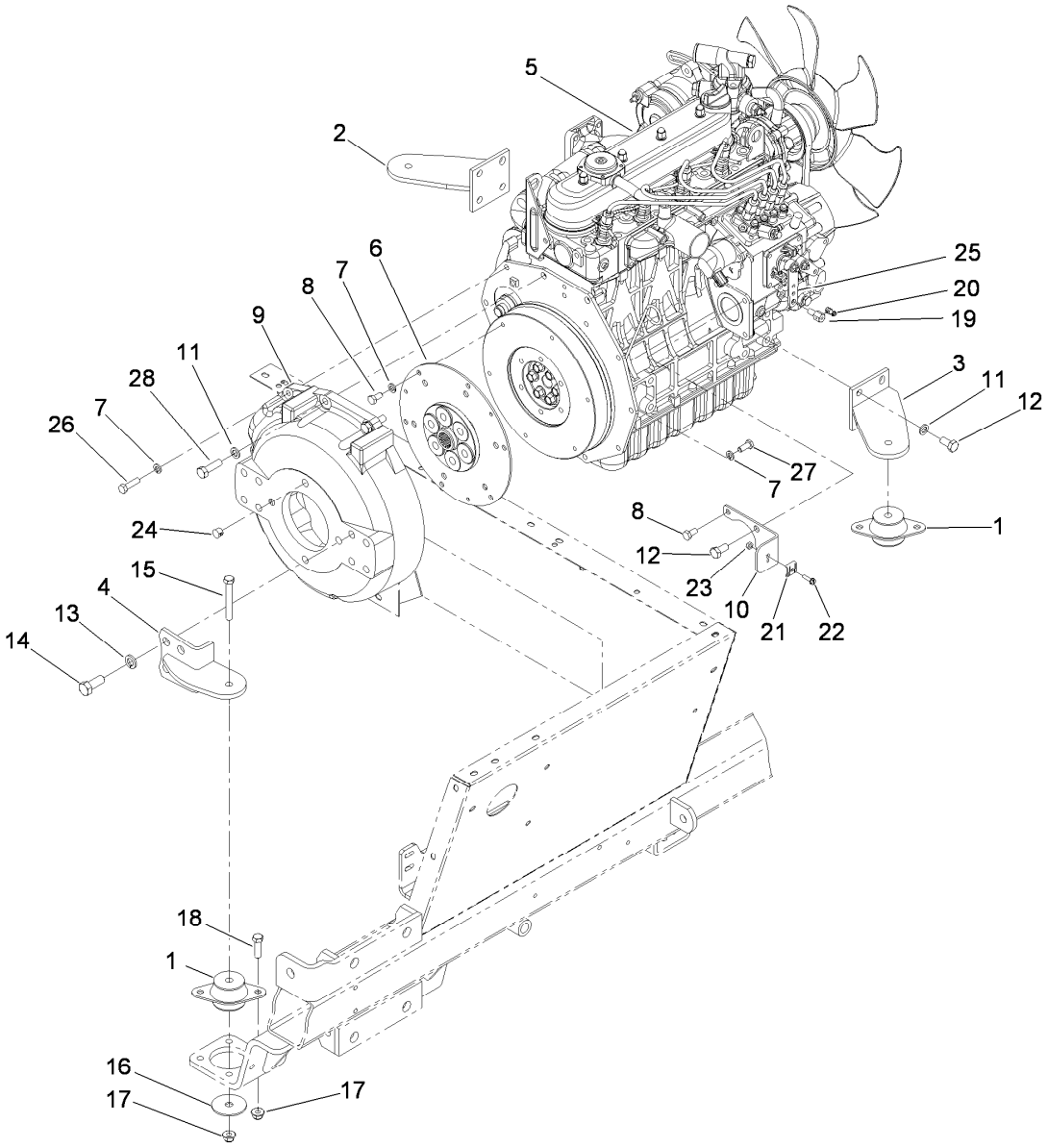

# Dash Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-8529 | 1 | Dash Panel ASM |
| 1:2 | 117-2718 | 1 | Decal-Arrester, Spark |
| 1:3 | 119-6035 | 1 | Decal-Ignition Switch |
| 1:4 | 107-8722 | 1 | Decal-Instructions, Parking Brake |
| 1:5 | 120-0624 | 1 | Decal-Warning, Passenger |
| 1:6 | 120-0759 | 1 | Decal-Switch |
| 2 | 106-5269 | 1 | Ignition Switch ASM |
| 2:2 | 108-8660 | 1 | Nut-Mounting |
| 2:3 | 106-5270 | 1 | Ignition Key Set |
| 2:4 | 108-8659 | 1 | Washer-Backup |
| 3 | 100-8071 | 1 | Lamp-Warning |
| 4 | 100-8070 | 1 | Lamp-Warning |
| 5 | 100-1535 | 1 | Switch |
| 6 | 117-4948 | 1 | Handle-Grab |
| 7 | 120-8546 | 1 | Gauge-Pressure |
| 8 | 40764 | 1 | Grommet |
| 9 | 99-7420 | 6 | Plug-Hole |
| 10 | 117-2382 | 2 | Plug-Plastic |
| 11 | 117-0735 | 4 | Bracket-Hood |
| 13 | 104-7201 | 4 | Nut-HF |
| 14 | 100-8665 | 1 | Reducer-Gauge, Pressure |
| 15 | 100-8667 | 1 | Coupler-Reducer |
| 16 | 110-9361 | 10 | Screw-PPH, Sems |
| 17 | 107069 | 8 | Clip |
| 18 | 106-5270 | 1 | Ignition Key Set |




# Dash, Fender and Headlight Assembly

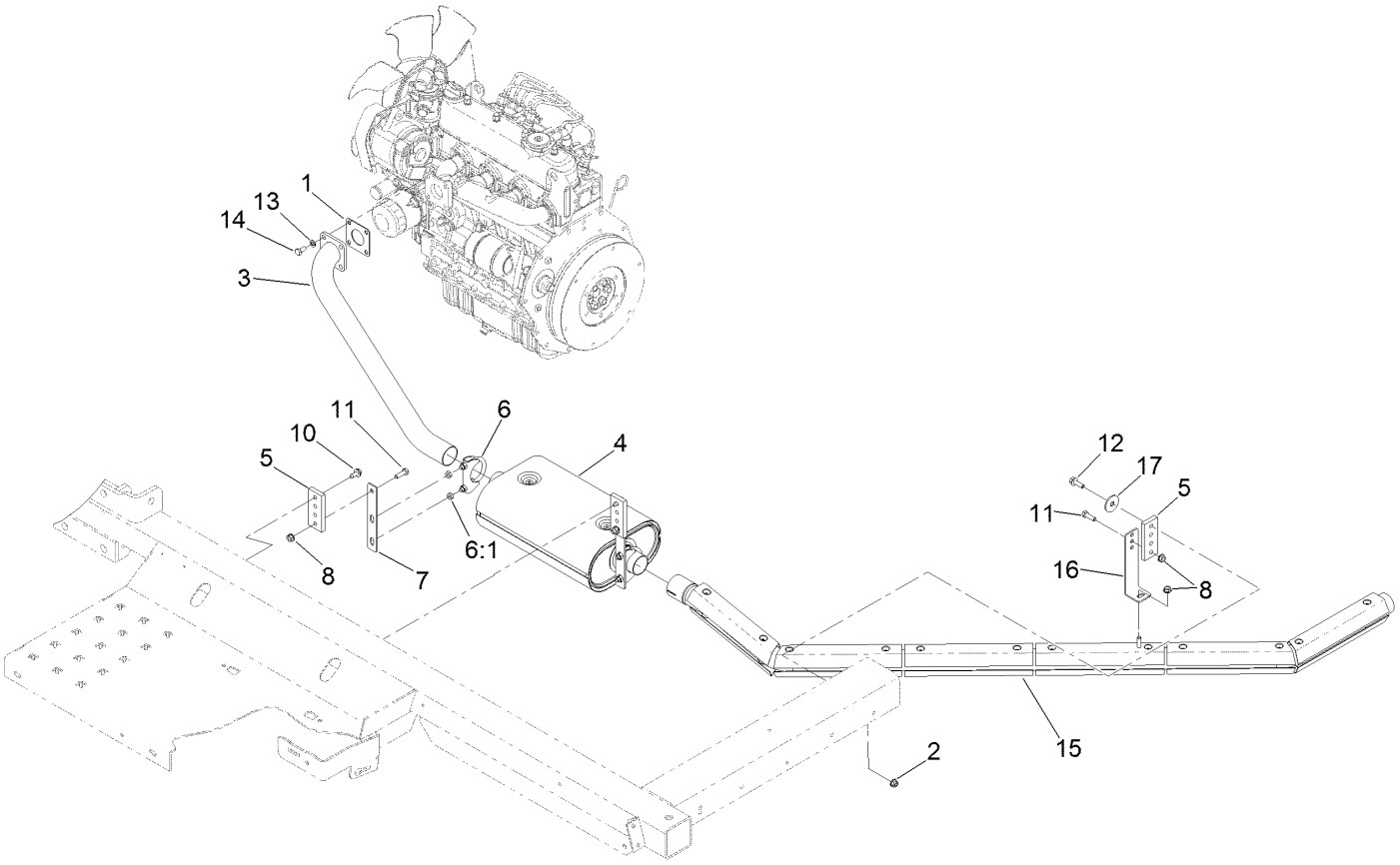
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-0793 | 1 | Hood |
| 2 | 117-5832 | 4 | Bracket-Headlight |
| 3 | 3290-274 | 8 | Rivet-Pop |
| 4 | 114-8322 | 2 | Headlight |
| 4:2 | 115-2395 | 1 | Light Bulb ASM |
| 5 | 115-2408 | 6 | Clip-Speed |
| 6 | 119-0417 | 1 | Fender-Full, LH |
| 7 | 119-0418 | 1 | Fender-Full, RH |
| 8 | 94-2413 | 6 | U-Nut |
| 9 | 117-2382 | 8 | Plug-Plastic |
| 10 | 3234-47 | 6 | Screw-HHF |
| 11 | 63-8410 | 2 | Washer |
| 12 | 322-5 | 2 | Screw-HH |
| 13 | 104-8300 | 2 | Nut-Flange, NI |
| 14 | 62-5550 | 1 | Decal |
| 15 | 119-0504 | 1 | Trim-Hood |
| 16 | 119-5041 | 1 | Decal |




# Engine Mounting Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 53-9680 | 4 | Mount-Engine |
| 2 | 117-0667-03 | 1 | LH Bracket ASM |
| 3 | 117-0666-03 | 1 | RH Bracket ASM |
| 4 | 117-0669-03 | 2 | Rear Mount Bracket ASM |
| 5 | 112-7870 | 1 | Engine-Kubota, Diesel |
| 6 | 92-0285 | 1 | Coupling ASM |
| 7 | 3253-4 | 14 | Washer-Lock |
| 8 | 33114-016 | 7 | Screw-HH |
| 9 | 105-0100 | 1 | Flywheel Housing ASM |
| 10 | 110-9009-03 | 1 | Bracket-Cable, Throttle |
| 11 | 48-9590 | 10 | Washer-Lock |
| 12 | 63-7790 | 9 | Screw-Cap |
| 13 | 3253-7 | 8 | Washer-Lock |
| 14 | 325-5 | 8 | Screw-HH |

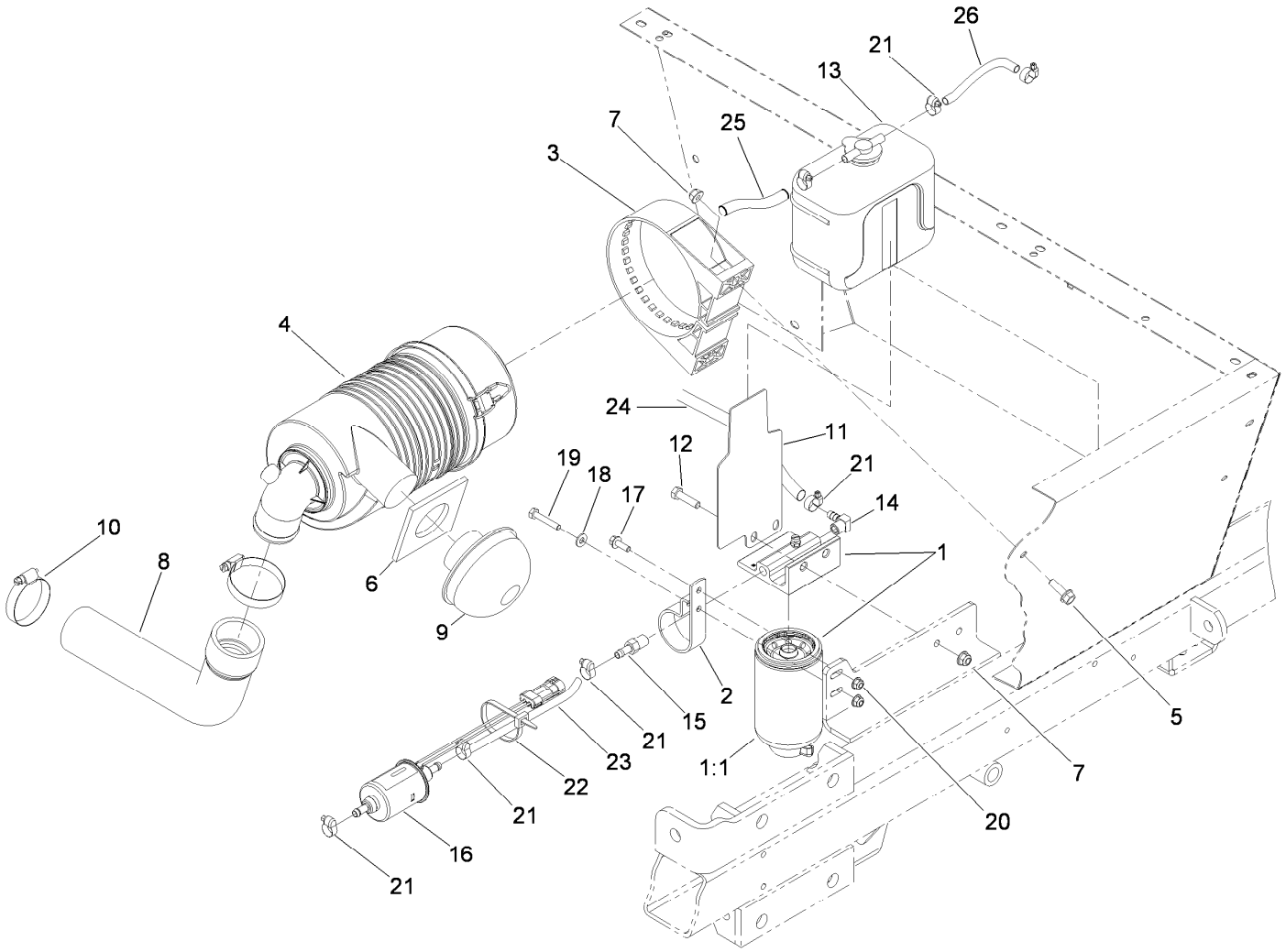
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 323-13 | 4 | Screw-HH |
| 16 | 87-5100 | 4 | Washer-Snubbing |
| 17 | 104-8301 | 12 | Nut-Flange, NI |
| 18 | 323-7 | 8 | Screw-HH |
| 19 | 98-9311 | 1 | Swivel-Throttle |
| 20 | 112-9919 | 1 | Stop-Cable, Throttle |
| 21 | 81-1690 | 1 | Clamp-Cable |
| 22 | 32105-13 | 1 | Screw-HWH |
| 23 | 3296-2 | 1 | Nut-Lock, NI |
| 24 | 119-6039 | 2 | Plug-Plastic |
| 25 | 3296-20 | 1 | Nut-Lock, NI |
| 26 | 33114-030 | 6 | Screw-HH |
| 27 | 33114-020 | 2 | Screw-HH |
| 28 | 56-2140 | 2 | Screw-HH |




# Exhaust System Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 99-8343 | 1 | Gasket-Muffler |
| 2 | 104-8300 | 1 | Nut-Flange, NI |
| 3 | 117-7950 | 1 | Manifold-Exhaust |
| 4 | 120-8536 | 1 | Muffler |
| 5 | 117-0744 | 3 | Hanger-Muffler |
| 6 | 2112-6 | 2 | Clamp-Muffler |
| 6:1 | 3218-2 | 2 | Nut-Jam |
| 7 | 119-0503 | 2 | Hanger-Muffler |
| 8 | 32128-25 | 4 | Nut-HF |

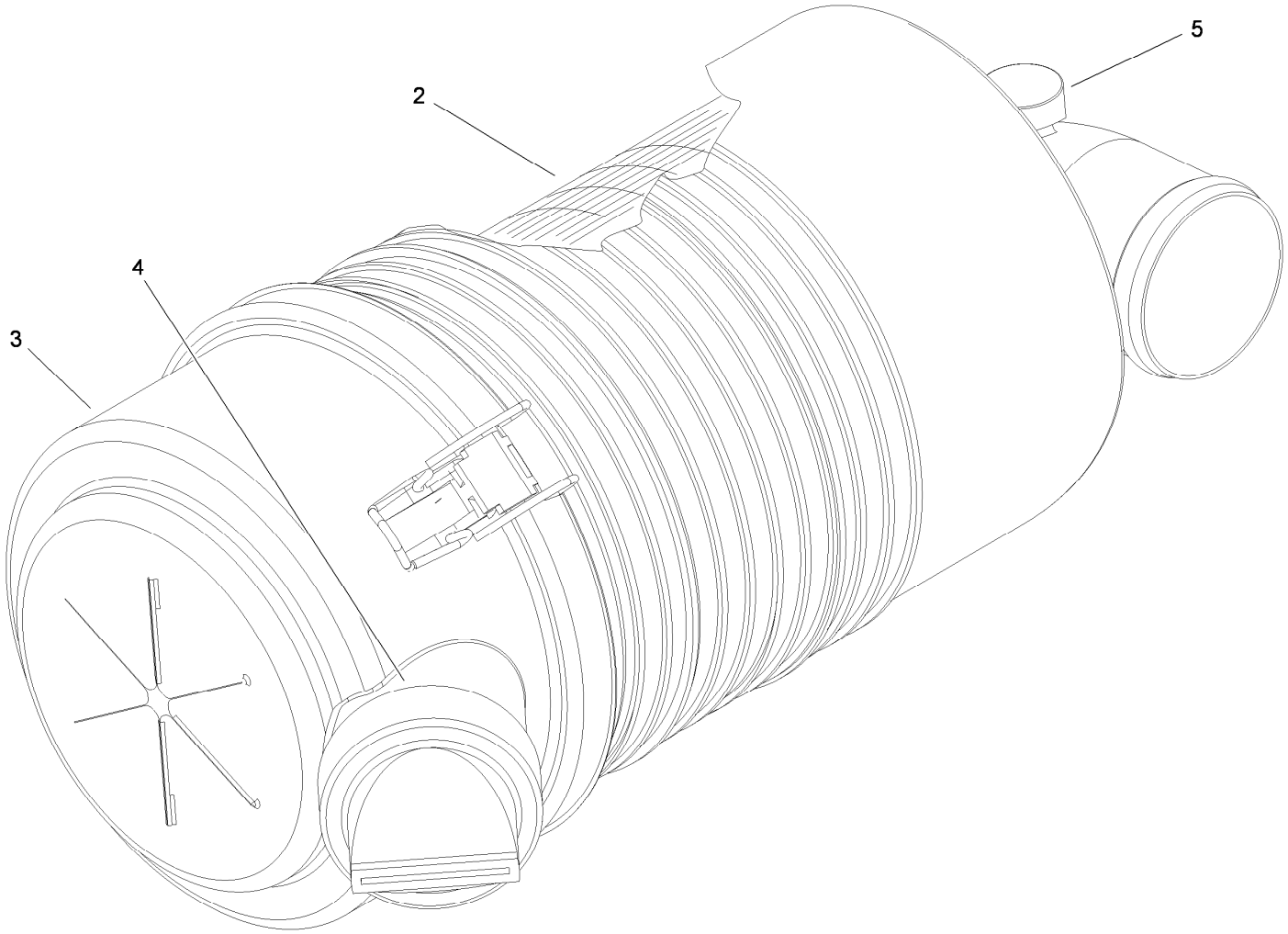
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 32144-70 | 2 | Screw-HWHTF |
| 11 | 322-5 | 3 | Screw-HH |
| 12 | 119-4036 | 1 | Screw-HHF |
| 13 | 3253-4 | 4 | Washer-Lock |
| 14 | 33114-016 | 4 | Screw-HH |
| 15 | 120-8535 | 1 | Pipe-Tail |
| 16 | 120-8557 | 1 | Bracket-Hanger |
| 17 | 3256-82 | 1 | Washer-Flat |




# Air Cleaner and Reservoir Assembly

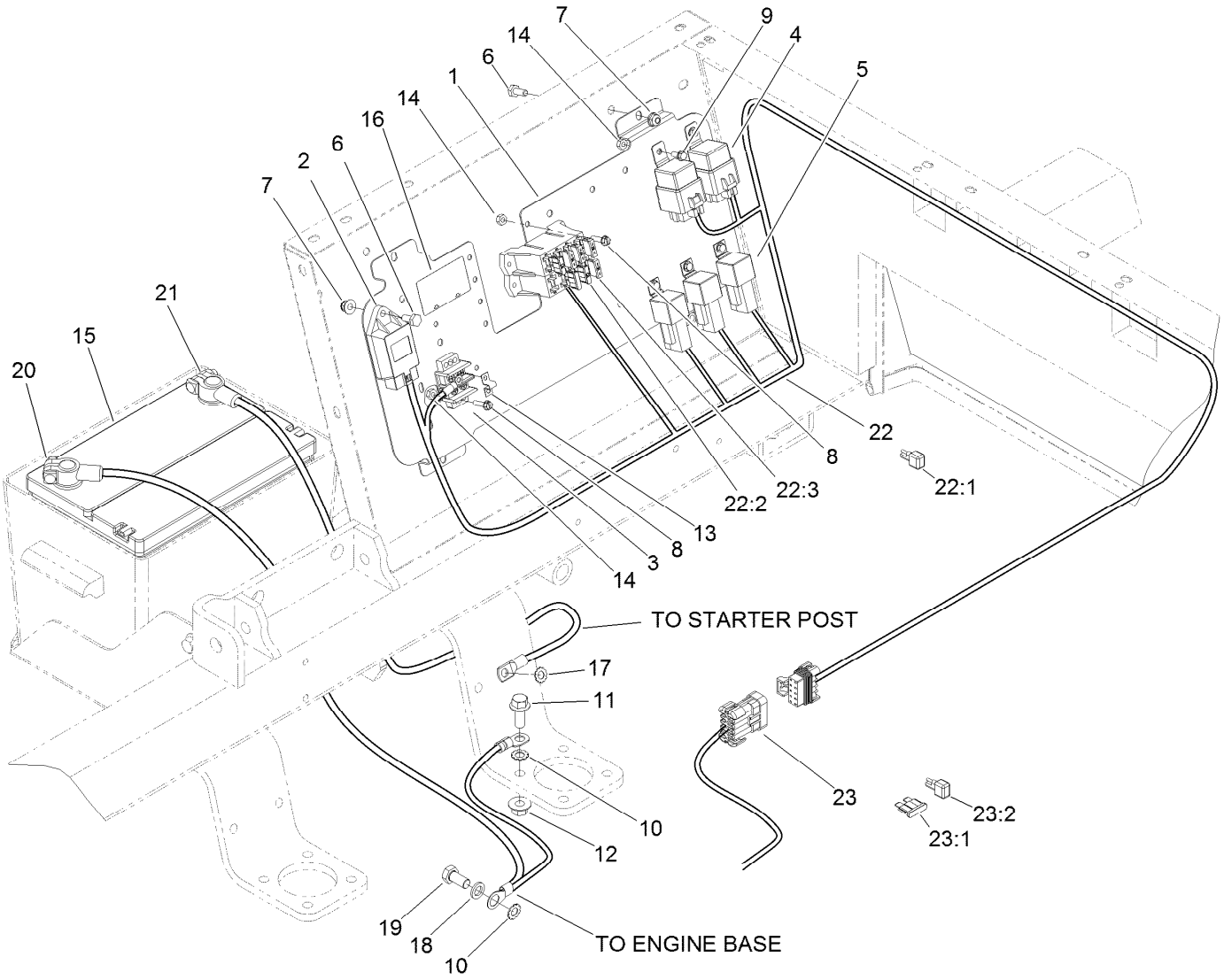
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 110-9044 | 1 | Seperator Filter ASM |
| 1:1 | 110-9049 | 1 | Filter-Spin On |
| 2 | 110-8817 | 1 | Bracket-Pump, Fuel |
| 3 | 98-4525 | 1 | Bracket-Cleaner, Air |
| 4 | 106-5277 | 1 | Air Cleaner ASM |
| 5 | 3234-17 | 2 | Screw-HHF |
| 6 | 94-7280 | 1 | Seal-Foam, Air Cleaner |
| 7 | 104-8300 | 4 | Nut-Flange, NI |
| 8 | 106-5241 | 1 | Hose-Cleaner, Air |
| 9 | 27-7180 | 1 | Cap ASM |
| 10 | 2412-130 | 2 | Clamp-Hose |
| 11 | 110-5091-03 | 1 | Bracket-Reservoir |
| 12 | 322-6 | 2 | Screw-HH |
| 13 | 104-9318 | 1 | Overflow Bottle ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 353-781 | 1 | Fitting-Elbow |
| 15 | 353-783 | 1 | Fitting-Straight |
| 16 | 110-8806 | 1 | Pump-Fuel |
| 17 | 3234-4 | 1 | Screw-HHF |
| 18 | 3256-22 | 1 | Washer-Flat |
| 19 | 321-9 | 1 | Screw-HH |
| 20 | 104-7201 | 2 | Nut-HF |
| 21 | 2412-108 | 9 | Clamp-Worm |
| 22 | 3290-378 | 1 | Tie-Cable |
| 23 | 110-0462 | 1 | Hose-Fuel |
| 24 | 110-4107 | 1 | Hose-Fuel |
| 25 | 109-0309 | 1 | Hose-Fuel |
| 26 | 106-1126 | 1 | Hose-Fuel |




# Air Cleaner Assembly No. 106-5277

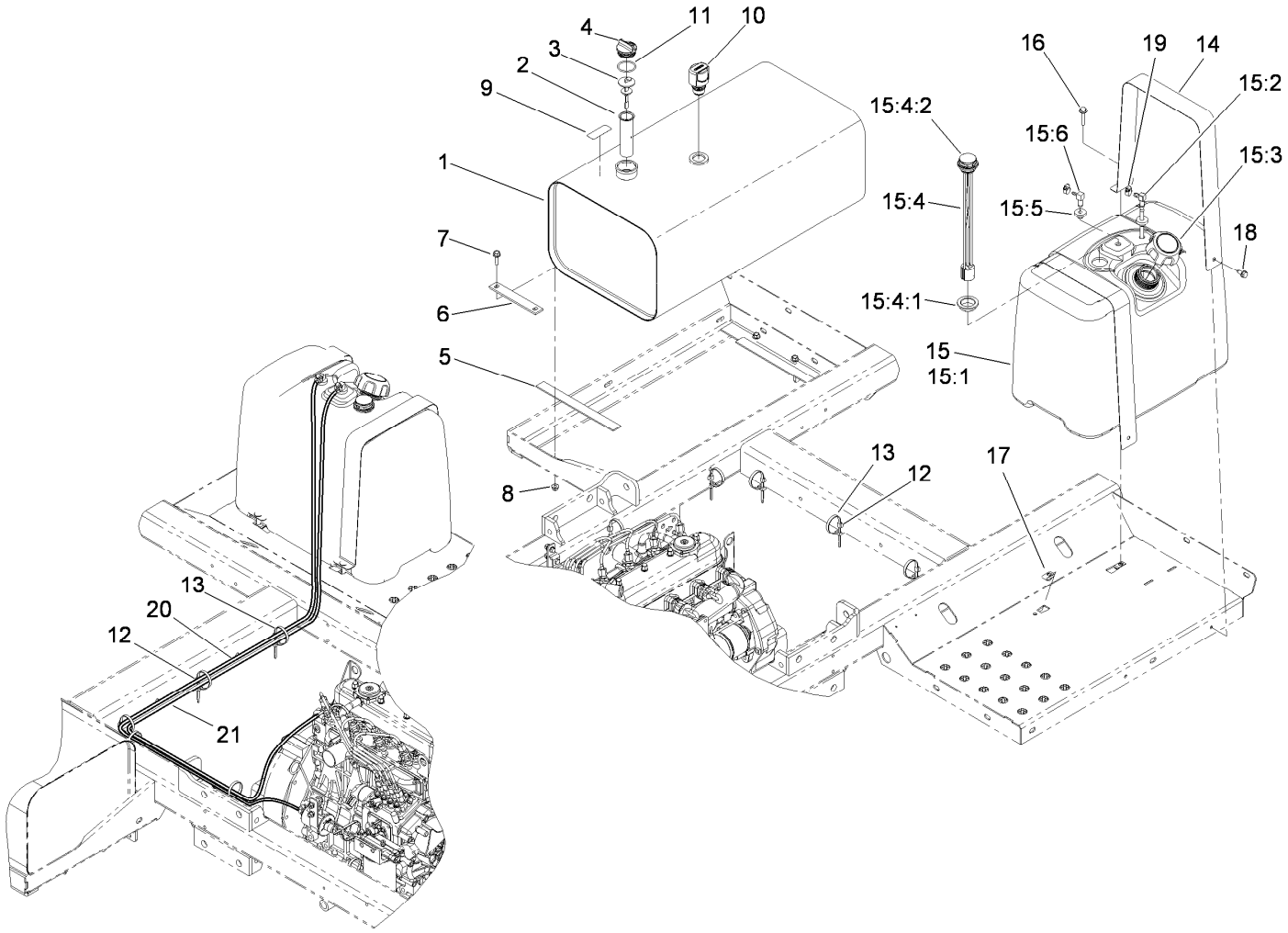
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 108-3810 | 1 | Filter-Air |
| 3 | 98-9771 | 1 | Cover ASM |
| 4 | 87-9400 | 1 | Valve-Vacuator |
| 5 | 285-17 | 1 | Plug-Pipe |




# Electrical Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 121-5067-01 | 1 | Panel-Electrical |
| 2 | 98-7611 | 1 | Controller-Glow |
| 3 | 42862 | 1 | Block-Terminal, Ground |
| 4 | 99-7430 | 2 | Relay |
| 5 | 99-7435 | 3 | Relay-Power |
| 6 | 321-3 | 5 | Screw-HH |
| 7 | 104-7201 | 5 | Nut-HF |
| 8 | 32105-13 | 6 | Screw-HWH |
| 9 | 3290-321 | 5 | Screw-HWH |
| 10 | 3255-9 | 2 | Washer-Lock |
| 11 | 3234-11 | 1 | Screw-HHF |
| 12 | 32128-43 | 1 | Nut-Flange |
| 13 | 42863 | 1 | Strip-Jumper |
| 14 | 3296-2 | 11 | Nut-Lock, NI |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 106-5190 | 1 | Battery |
| 16 | 119-5046 | 1 | Decal-Fuses, Ce |
| 17 | 3255-8 | 1 | Washer-Lock |
| 18 | 48-9590 | 1 | Washer-Lock |
| 19 | 63-7790 | 1 | Screw-Cap |
| 20 | 120-0615 | 1 | Cable-Battery, Negative |
| 21 | 105-0114 | 1 | Cable-Battery, Positive |
| 22 | 119-1794 | 1 | Harness-Front |
| 22:1 | 100-4918 | 3 | Diode-Over Molded |
| 22:2 | 218-578 | 2 | Fuse-Blade, 10 Amp |
| 22:3 | 109355 | 5 | Fuse-Blade, 15 Amp |
| 23 | 119-1795 | 1 | Harness-Rear |
| 23:1 | 110928 | 6 | Fuse-Blade, 5 Amp |
| 23:2 | 100-4918 | 7 | Diode-Over Molded |

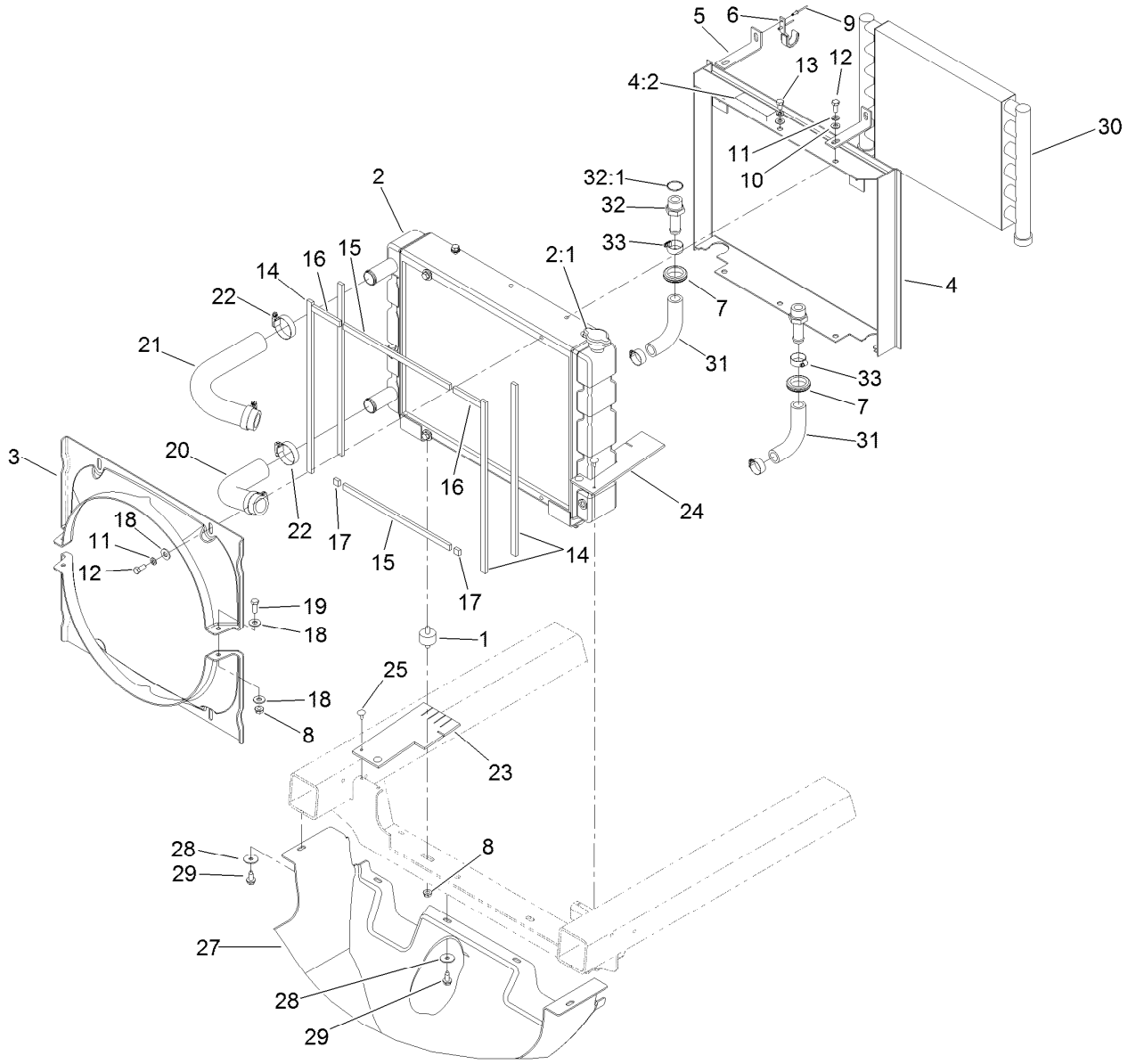



# Fuel System Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-0719 | 1 | Tank-Hydraulic, Steel |
| 2 | 92-1705 | 1 | Filter-Screen |
| 3 | 105-2812 | 1 | Dipstick |
| 4 | 93-7498 | 1 | Plug-Plastic |
| 5 | 41995 | 2 | Strip-Armaflex |
| 6 | 94-7068-03 | 2 | Strap-Hold Down |
| 7 | 3234-17 | 4 | Screw-HHF |
| 8 | 104-8300 | 4 | Nut-Flange, NI |
| 9 | 93-6686 | 1 | Decal-Oil, HYD |
| 10 | 115-9793 | 1 | Breather |
| 11 | 237-101 | 1 | O-Ring |
| 12 | 32180-030 | 6 | Clip-Tie |
| 13 | 3290-378 | 8 | Tie-Cable |
| 14 | 117-5867 | 2 | Strap-Tank, Fuel |
| 15 | | 1 | Fuel Tank ASM ● |

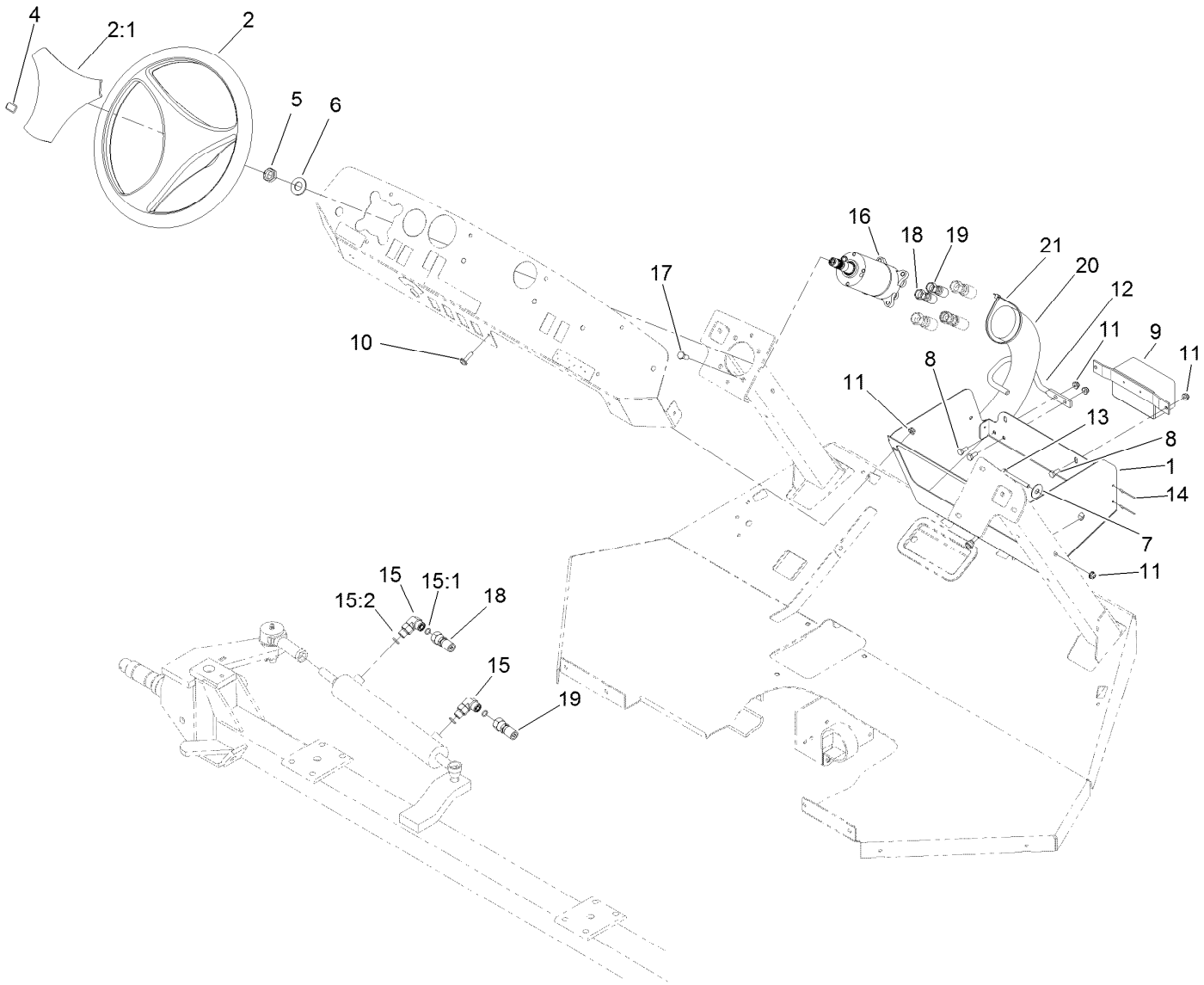
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15:1 | 117-5869 | 1 | Tank-Fuel |
| 15:2 | 117-5866 | 1 | Standpipe |
| 15:3 | 117-5894 | 1 | Fuel Cap ASM |
| 15:4 | 119-0507 | 1 | Gauge-Fuel |
| 15:4:1 | 119-0508 | 1 | Seal |
| 15:4:2 | 117-8404 | 1 | Dial-Gauge |
| 15:5 | 46-6560 | 2 | Bushing |
| 15:6 | 104-5228 | 1 | Fitting-Elbow, 90 DEG |
| 16 | 115-1794 | 2 | Screw-HHF |
| 17 | 94-2413 | 2 | U-Nut |
| 18 | 32144-70 | 2 | Screw-HWHTF |
| 19 | 2412-108 | 2 | Clamp-Worm |
| 20 | 119-0577 | 1 | Hose-Fuel |
| 21 | 110-5688 | 1 | Hose-Fuel |

● Not serviced separately




# Radiator and Shroud Assembly

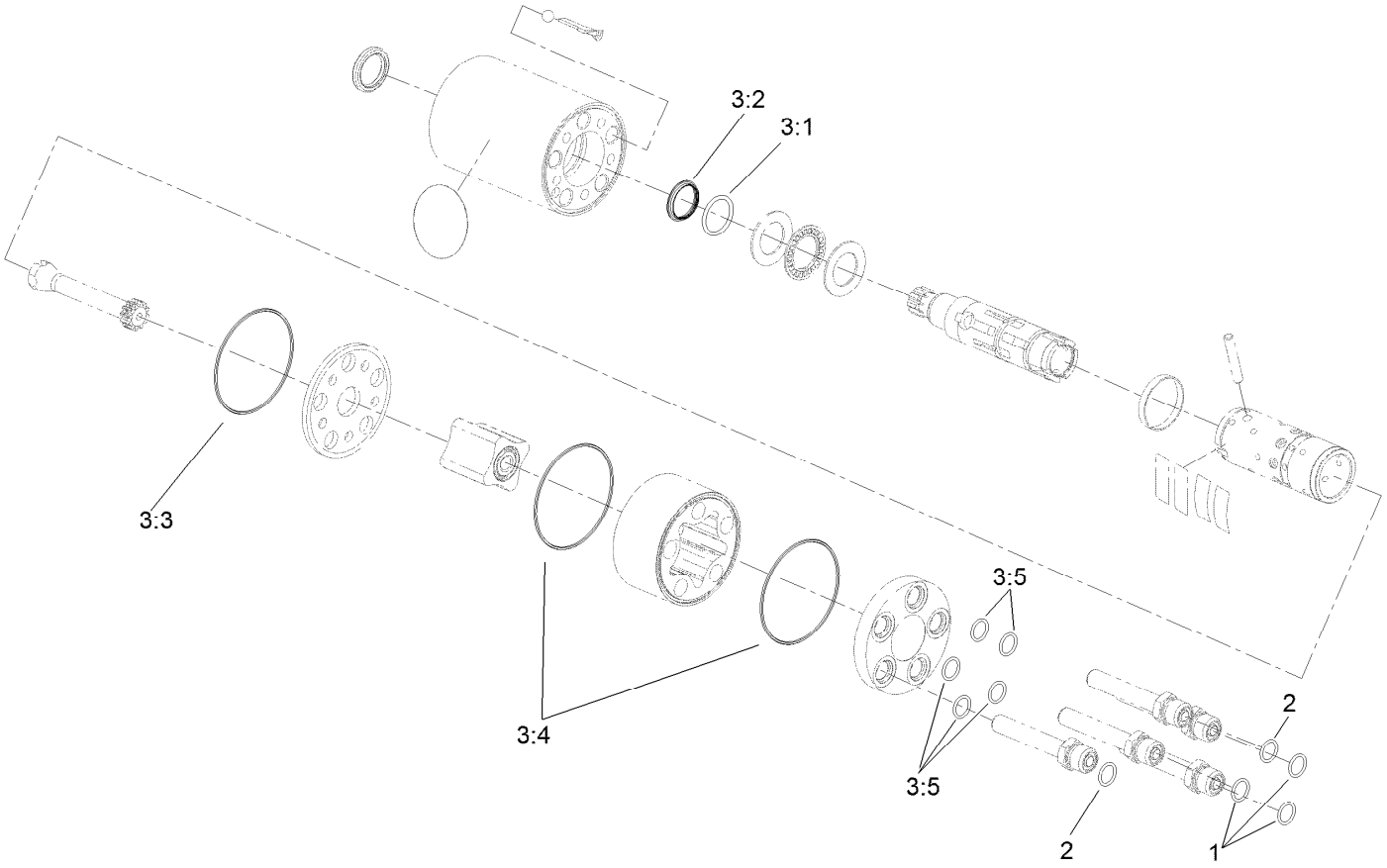
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 62-5480 | 2 | Isolater-Seat |
| 2 | 106-5291 | 1 | Radiator |
| 2:1 | 114-9593 | 1 | Cap-Radiator |
| 3 | 106-5290 | 2 | Shroud-Fan |
| 4 | 121-5092 | 1 | Radiator Shroud ASM |
| 4:2 | 120-0627 | 1 | Decal-Warning |
| 5 | 106-5185 | 2 | Brace-Radiator |
| 6 | 75-0930 | 2 | Hook-Mount, Cooler |
| 7 | 240-3 | 2 | Grommet-Rubber |
| 8 | 32128-20 | 4 | Nut-HF |
| 9 | 3269-15 | 4 | Rivet-Pop |
| 10 | 3256-23 | 6 | Washer-Flat |
| 11 | 3253-4 | 10 | Washer-Lock |
| 12 | 322-3 | 6 | Screw-HH |
| 13 | 322-1 | 4 | Screw-HH |
| 14 | 107-8675 | 4 | Seal-Foam |
| 15 | 107-8676 | 2 | Seal-Foam |
| 16 | 107-8677 | 2 | Seal-Foam |
| 17 | 107-8678 | 2 | Seal-Foam |
| 18 | 3256-56 | 8 | Washer-Flat |
| 19 | 322-4 | 2 | Screw-HH |
| 20 | 119-4992 | 1 | Hose-Radiator |
| 21 | 106-5239 | 1 | Hose-Radiator, Upper |
| 22 | 2412-111 | 4 | Clamp |
| 23 | 119-5036 | 1 | Baffle-Heat, LH |
| 24 | 119-5037 | 1 | Baffle-Heat, RH |
| 25 | 3269-18 | 4 | Rivet-Pop |
| 27 | 119-9393 | 1 | Shield-Front Heat, Engine |
| 28 | 3256-82 | 6 | Washer-Flat |
| 29 | 32144-70 | 6 | Screw-HWHTF |
| 30 | 94-7007 | 1 | Oil Cooler ASM |
| 31 | 106-5293 | 2 | Hose-Cooler, Oil |
| 32 | 112-7835 | 2 | Fitting-Straight |
| 32:1 | 237-81 | 1 | O-Ring |
| 33 | 2412-129 | 4 | Clamp-Hose |




# Steering Valve and Storage Box Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 119-0431 | 1 | Compartment-Storage, Middrop |
| 2 | 98-1471 | 1 | Wheel-Steering |
| 2:1 | 98-1468 | 1 | Cover-Wheel, Steering |
| 4 | 98-1459 | 1 | Decal |
| 5 | 110-8816 | 1 | Nut-Hex |
| 6 | 3256-27 | 1 | Washer-Flat |
| 7 | 52-2860 | 1 | Washer |
| 8 | 321-3 | 4 | Screw-HH |
| 9 | 104-9104 | 1 | Module-Valve, Pwm |
| 10 | 110-9361 | 2 | Screw-PPH, Sems |
| 11 | 104-7201 | 7 | Nut-HF |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12 | 119-4853 | 1 | Guide-Hose |
| 13 | 321-15 | 1 | Screw-HH |
| 14 | 3269-32 | 3 | Rivet-Pop |
| 15 | 340-77 | 2 | Fitting-HYD, 90 DEG |
| 15:1 | 237-22 | 1 | O-Ring |
| 15:2 | 237-42 | 1 | O-Ring |
| 16 | 117-0707 | 1 | Steering Valve ASM |
| 17 | 33114-020 | 4 | Screw-HH |
| 18 | 117-0717 | 1 | Hose ASM |
| 19 | 117-0688 | 1 | Hose ASM |
| 20 | 106-6713 | 2 | Cover-Lines, Steering |
| 21 | 3290-379 | 7 | Tie-Cable |

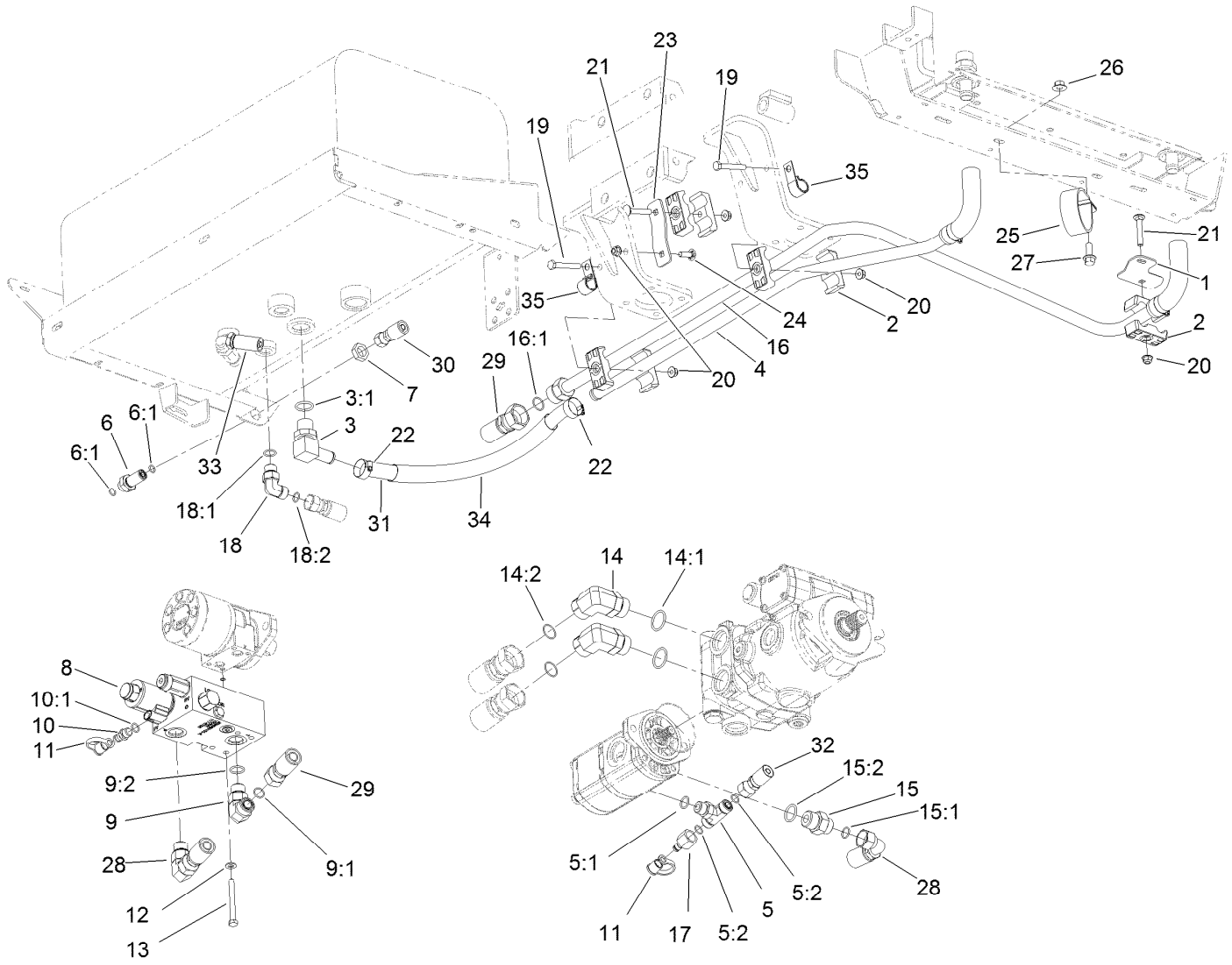



# Steer Valve Assembly No. 117-0707

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 237-21 | 3 | O-Ring |
| 2 | 237-22 | 2 | O-Ring |
| 3 | 106-6716 | 1 | Seal Kit ● |
| 3:1 | | 1 | Ring-Seal, Dust ■ |
| 3:2 | | 1 | Seal-Shaft ■ |
| 3:3 | | 1 | O-Ring ■ |
| 3:4 | | 2 | O-Ring ■ |
| 3:5 | | 5 | O-Ring ■ |

● Not illustrated

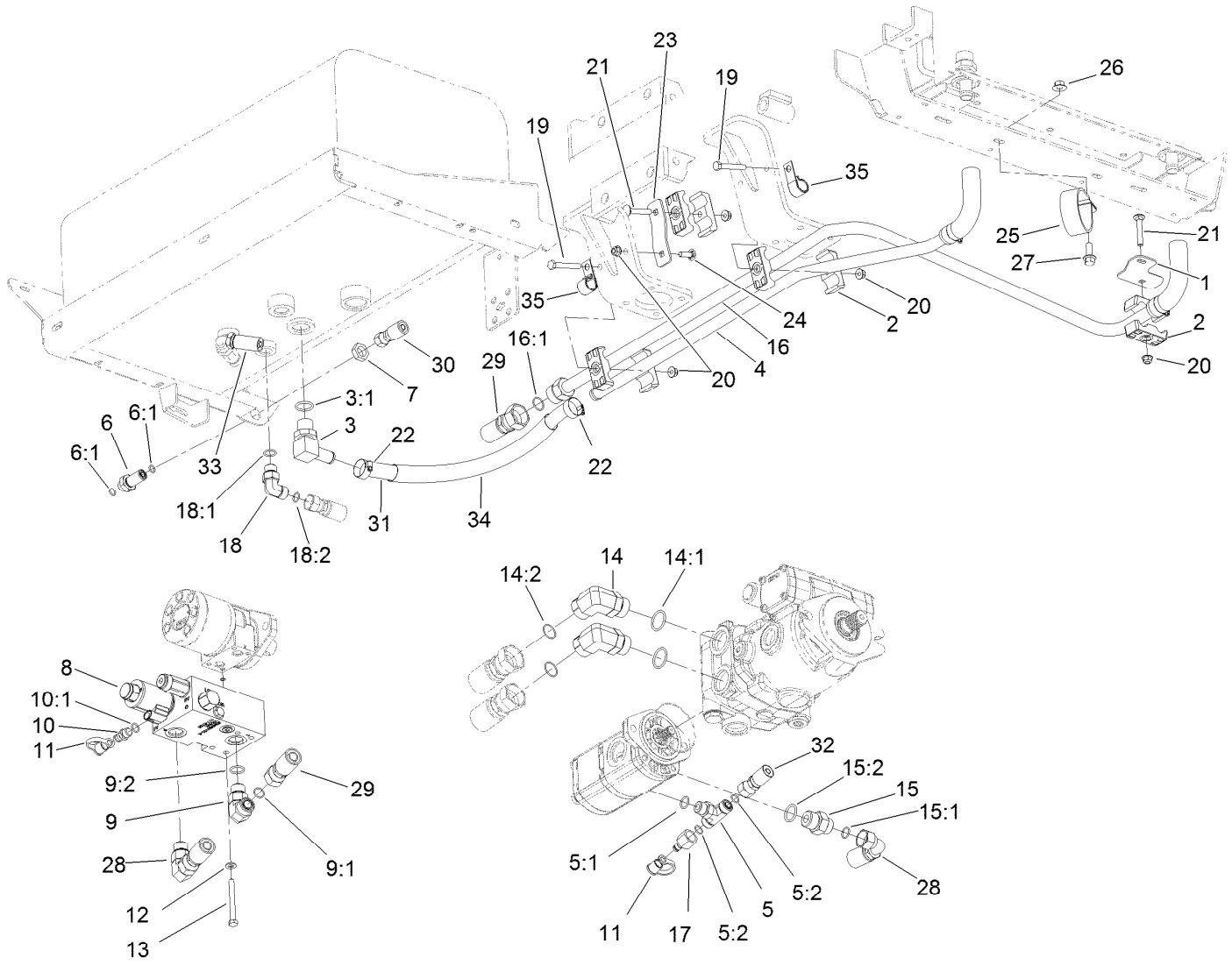
■ Not serviced separately




# Hydraulic Pump and Filter Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 117-0723 | 1 | Plate-Mount, Tube Clamp |
| 2 | 94-8105 | 10 | Clamp-Tube |
| 3 | 353-987 | 1 | Fitting-HYD, 90 DEG (Barbed) |
| 3:1 | 237-81 | 1 | O-Ring |
| 4 | 117-0693 | 1 | Hydraulic Tube |
| 5 | 340-157 | 1 | Fitting-HYD, Tee |
| 5:1 | 237-79 | 1 | O-Ring |
| 5:2 | 237-30 | 2 | O-Ring |
| 6 | 340-71 | 1 | Fitting-Straight, Bulkhead |
| 6:1 | 237-22 | 2 | O-Ring |
| 7 | 340-70 | 1 | Nut-Lock |
| 8 | 117-0708 | 1 | Pump Control Valve ASM |
| 9 | 340-17 | 2 | Fitting-HYD, 90 DEG |
| 9:1 | 237-65 | 1 | O-Ring |
| 9:2 | 237-80 | 1 | O-Ring |
| 10 | 59-7410 | 1 | Fitting-Diagnostic |
| 10:1 | 237-42 | 1 | O-Ring |
| 11 | 354-79 | 2 | Cap-Dust |
| 12 | 3256-23 | 4 | Washer-Flat |
| 13 | 322-14 | 4 | Screw-HH |

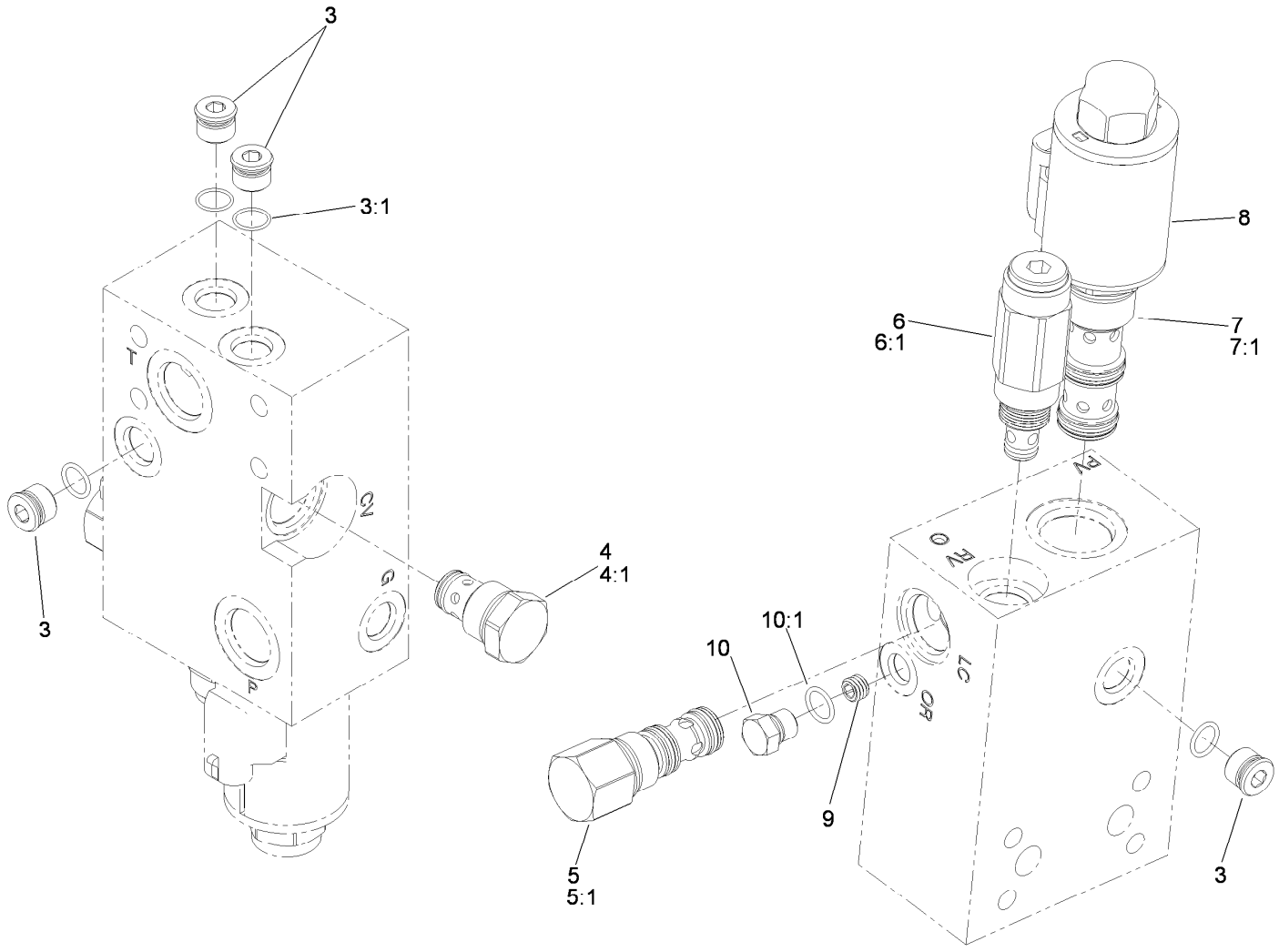
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 14 | 340-129 | 2 | Fitting-HYD, 90 DEG |
| 14:1 | 237-146 | 1 | O-Ring |
| 14:2 | 340-65 | 1 | O-Ring |
| 15 | 340-8 | 1 | Adapter |
| 15:1 | 237-65 | 1 | O-Ring |
| 15:2 | 237-81 | 1 | O-Ring |
| 16 | 125-5854 | 1 | Tube ASM |
| 16:1 | 237-58 | 1 | O-Ring |
| 17 | 100-5616 | 1 | Fitting |
| 18 | 340-98 | 1 | Fitting-HYD, 90 DEG |
| 18:1 | 237-79 | 1 | O-Ring |
| 18:2 | 237-30 | 1 | O-Ring |
| 19 | 322-11 | 2 | Screw-HH |
| 20 | 104-8300 | 7 | Nut-Flange, NI |
| 21 | 3230-6 | 3 | Screw-CARR |
| 22 | 2412-129 | 2 | Clamp-Hose |
| 23 | 117-0689 | 2 | Plate-Mount, Tube Clamps |
| 24 | 3230-22 | 2 | Screw-CARR |
| 25 | 2412-102 | 1 | Clamp-R |
| 26 | 32128-43 | 1 | Nut-Flange |
| 27 | 3234-11 | 1 | Screw-HHF |




# Hydraulic Pump and Filter Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 28 | 117-0680 | 1 | Hose ASM |
| 29 | 117-0682 | 1 | Hose ASM |
| 30 | 119-0583 | 1 | Hose ASM |
| 31 | 119-5045 | 1 | Hose-Suction |

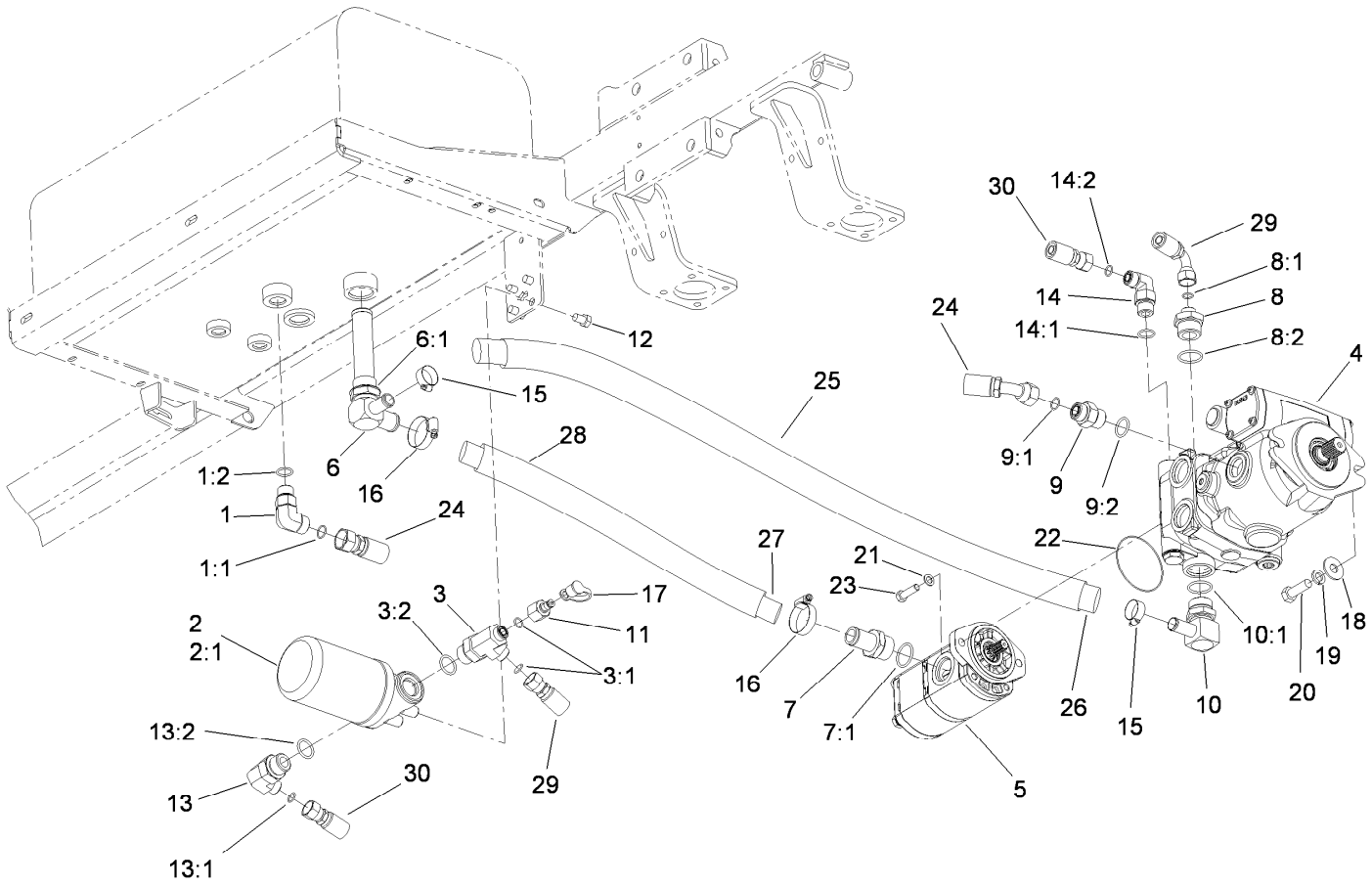
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 32 | 117-0687 | 1 | Hose ASM |
| 33 | 125-5853 | 1 | HYD-Hose |
| 34 | 94-3688 | 1 | Sleeve-Protective |
| 35 | 94-9580 | 2 | Clamp-J |




# Pump Control Valve Assembly No. 117-0708

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

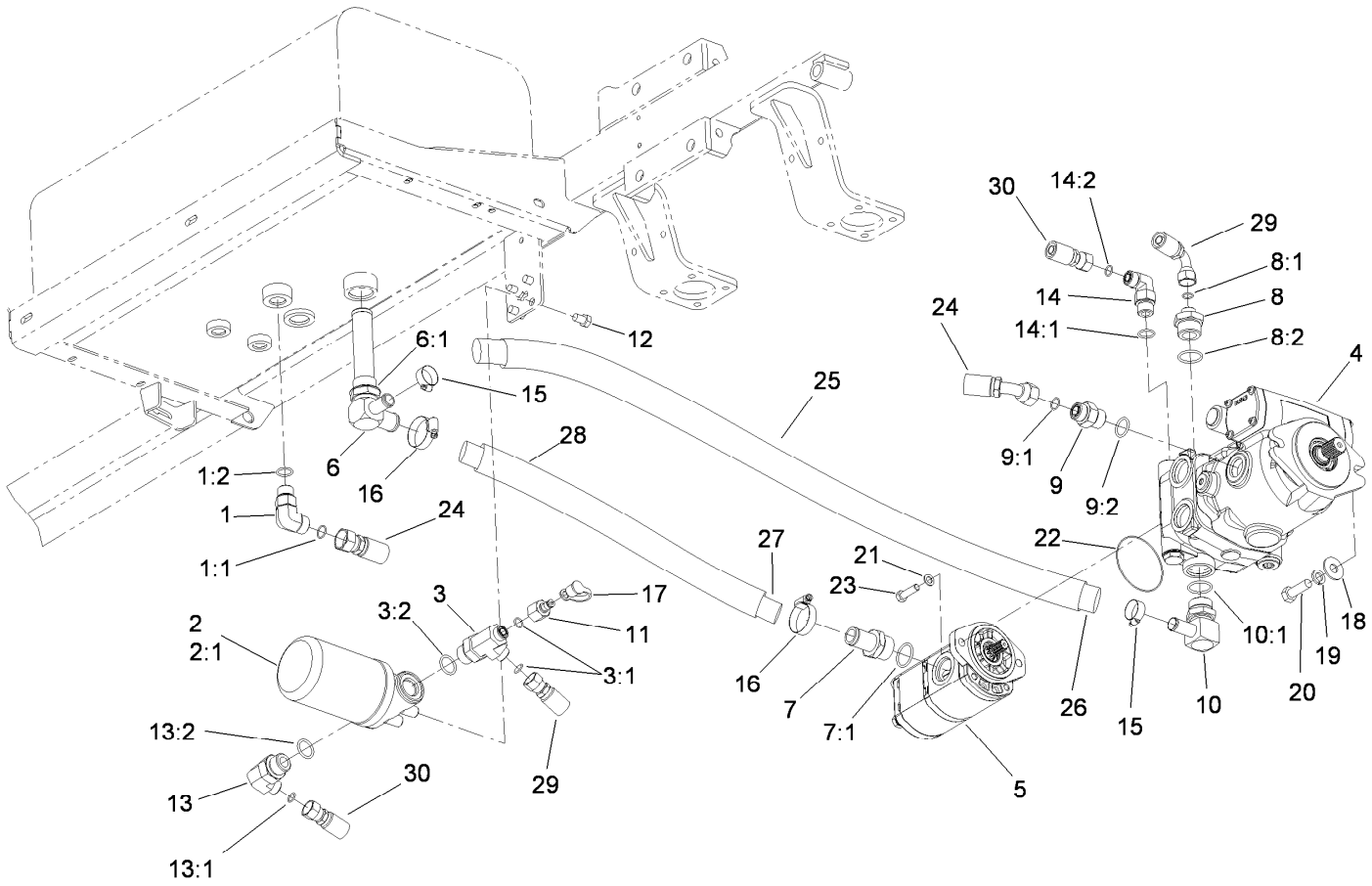
● Not illustrated




# Hydraulic Pump and Filter Assembly

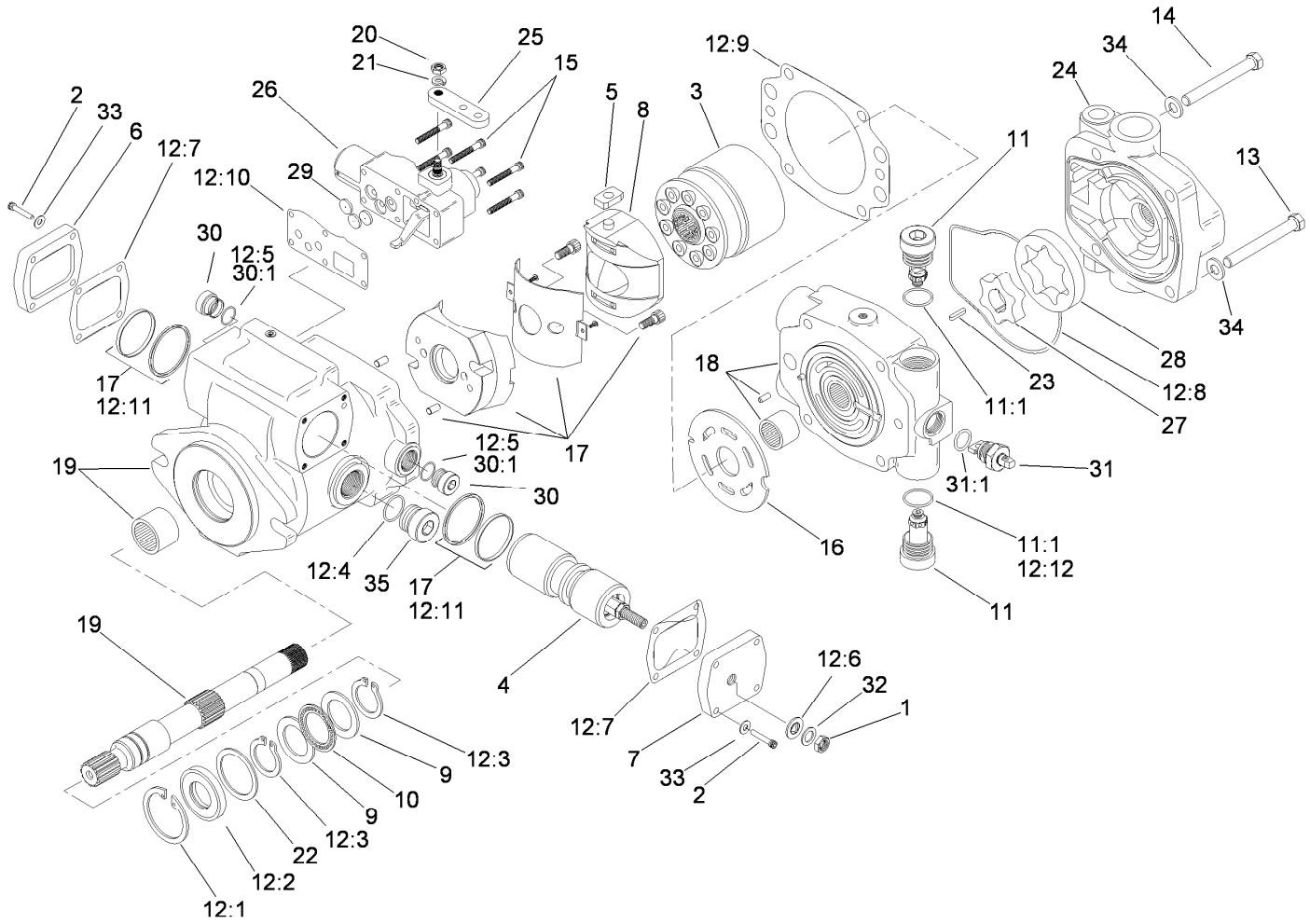
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 340-17 | 1 | Fitting-HYD, 90 DEG |
| 1:1 | 237-65 | 1 | O-Ring |
| 1:2 | 237-80 | 1 | O-Ring |
| 2 | 93-2242 | 1 | Oil Filter ASM |
| 2:1 | 75-1310 | 1 | Filter-HYD |
| 3 | 117-0676 | 1 | Fitting-Tee |
| 3:1 | 237-30 | 2 | O-Ring |
| 3:2 | 237-81 | 1 | O-Ring |
| 4 | 117-0685 | 1 | Piston Pump ASM |
| 5 | 119-5038 | 1 | Tandem Pump ASM |
| 6 | 117-0684 | 1 | Stainer-Tee |
| 6:1 | 237-146 | 1 | O-Ring |
| 7 | 354-78 | 1 | Connector-Hose |
| 7:1 | 237-146 | 1 | O-Ring |
| 8 | 104-9178 | 1 | Fitting-Straight |
| 8:1 | 237-30 | 1 | O-Ring |
| 8:2 | 237-146 | 1 | O-Ring |
| 9 | 340-8 | 1 | Adapter |
| 9:1 | 237-65 | 1 | O-Ring |
| 9:2 | 237-81 | 1 | O-Ring |
| 10 | 98-0971 | 1 | Fitting-Elbow-90 |

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




# Hydraulic Pump and Filter Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 27 | 117-0681 | 1 | Hose ASM |
| 28 | 107-3589 | 1 | Sleeve-Hose |
| 29 | 117-0686 | 1 | Hose ASM |
| 30 | 117-0729 | 1 | Hose ASM |



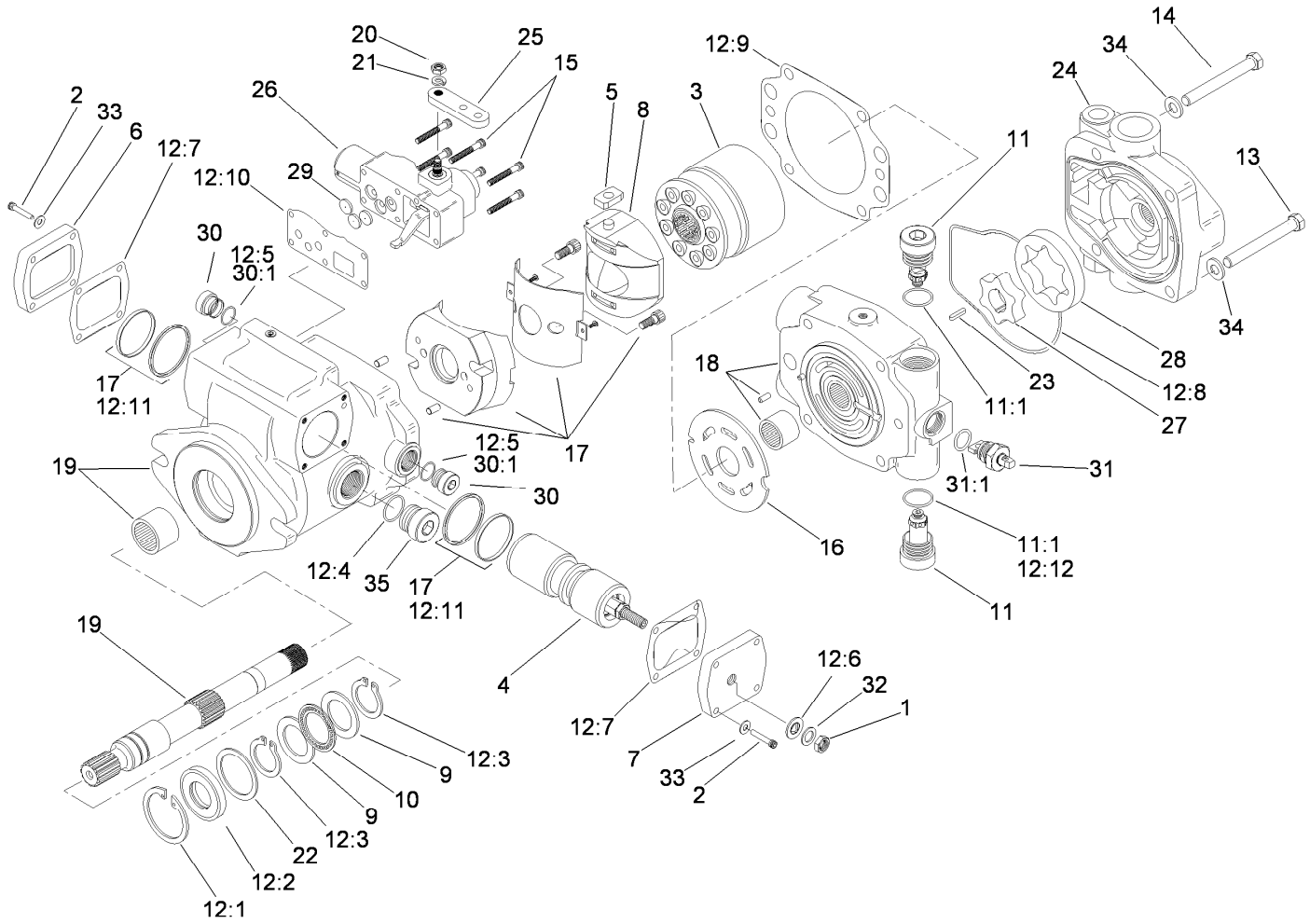

# Piston Pump Assembly No. 117-0685

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3220-3 | 1 | Nut-HJ |
| 2 | 93-6337 | 8 | Screw |
| 3 | 99-8701 | 1 | Rotating Kit |
| 4 | 105-2856 | 1 | Servo Piston ASM |
| 5 | 94-3032 | 1 | Follower-Piston |
| 6 | 94-3033 | 1 | Plate-Cover |
| 7 | 105-9853 | 1 | Plate-Cover |
| 8 | 94-3026 | 1 | Camplate ASM |
| 9 | 76-6950 | 2 | Race-Thrust |
| 10 | 76-6960 | 1 | Bearing-Thrust |
| 11 | 105-2858 | 2 | Valve-Relief |
| 11:1 | | 1 | O-Ring ■ |
| 12 | 107-1561 | 1 | Seal Kit ● |
| 12:1 | 60-6260 | 1 | Ring |
| 12:2 | 105-3331 | 1 | Seal-Shaft |
| 12:3 | 76-7000 | 2 | Ring-Retaining |
| 12:4 | | 2 | O-Ring ■ |
| 12:5 | 93-6314 | 2 | O-Ring ● |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12:6 | 94-3027 | 1 | Washer-Seal |
| 12:7 | 93-6339 | 2 | Gasket |
| 12:8 | 105-2905 | 1 | O-Ring ● |
| 12:9 | 105-2900 | 1 | Gasket-Housing |
| 12:10 | 105-2901 | 1 | Gasket-Housing, Control |
| 12:11 | | 2 | Seal ASM ■ |
| 12:12 | 74-9380 | 1 | O-Ring ● |
| 13 | 323-15 | 2 | Screw-HH |
| 14 | 323-16 | 2 | Screw-HH |
| 15 | 93-6324 | 6 | Screw |
| 16 | 99-8704 | 1 | Plate-Valve |
| 17 | | 1 | Housing ■ |
| 18 | 105-2904 | 1 | Backplate |
| 19 | 93-6344 | 1 | Driveshaft |
| 20 | 3217-5 | 1 | Nut-Hex |
| 21 | 3253-3 | 1 | Washer-Lock |
| 22 | 60-6240 | 1 | Washer |
| 23 | 93-6375 | 1 | Key |

● Not illustrated

■ Not serviced separately



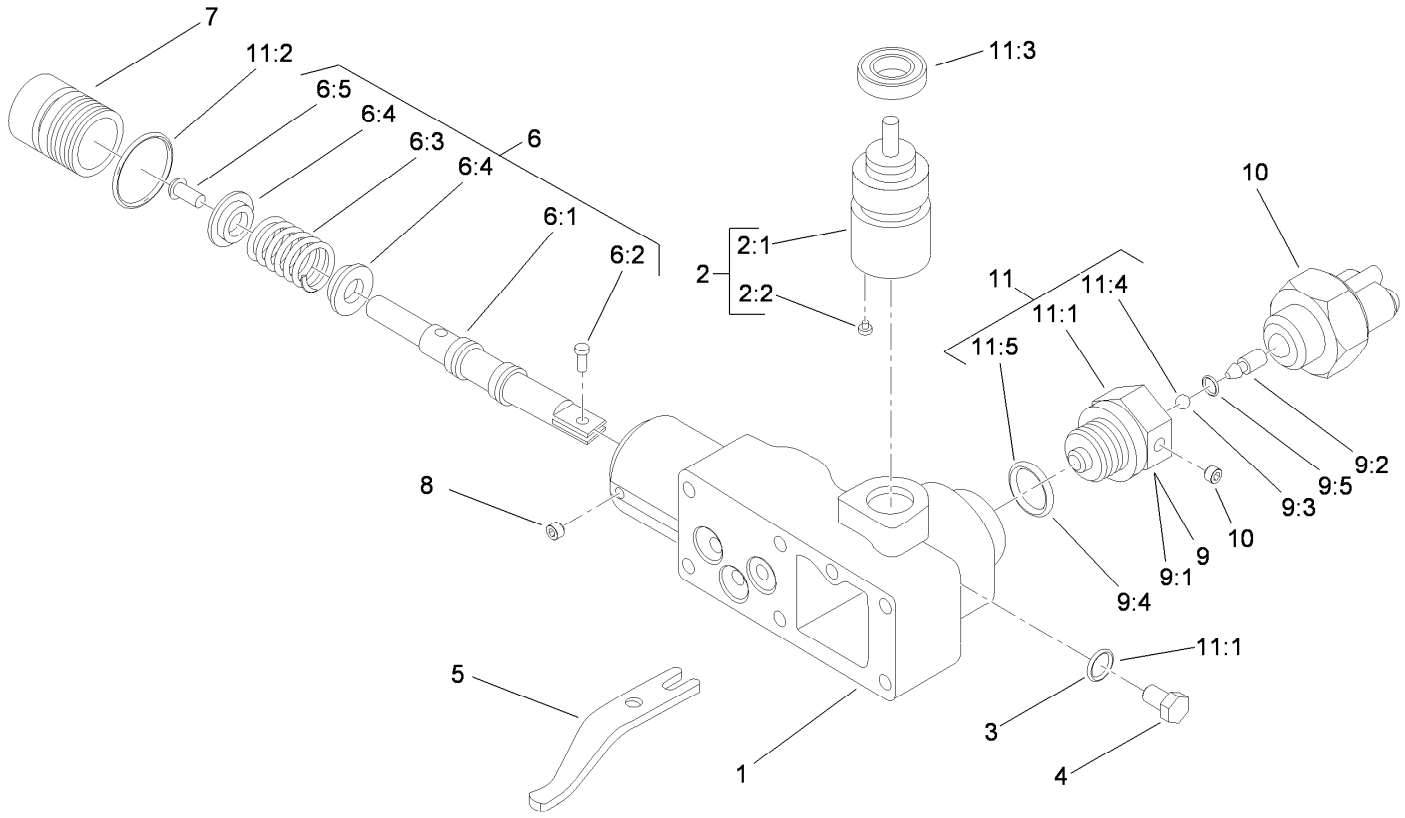

# Piston Pump Assembly No. 117-0685 (continued)

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

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

● Not illustrated

■ Not serviced separately

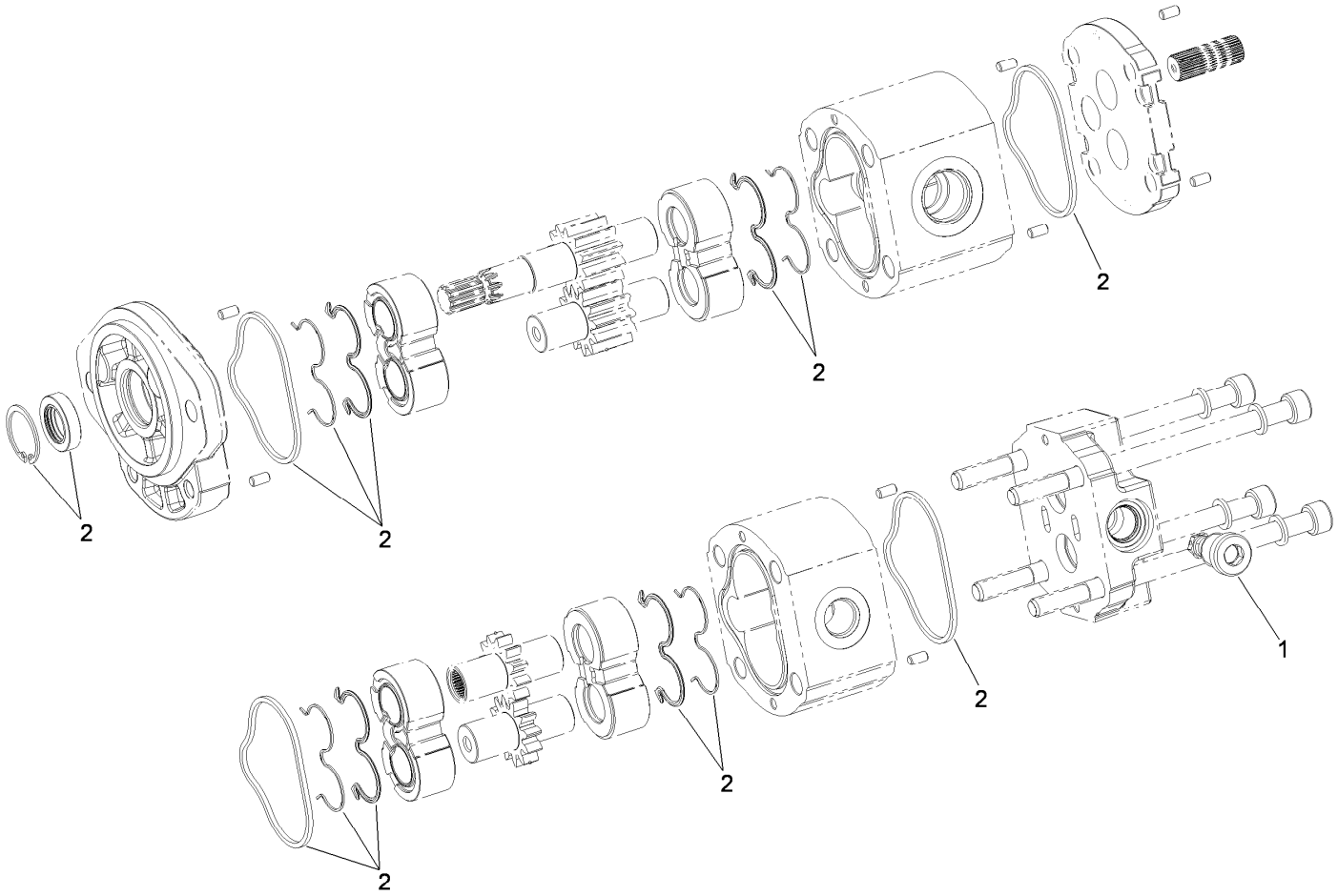



# Control Assembly No. 115-4446

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

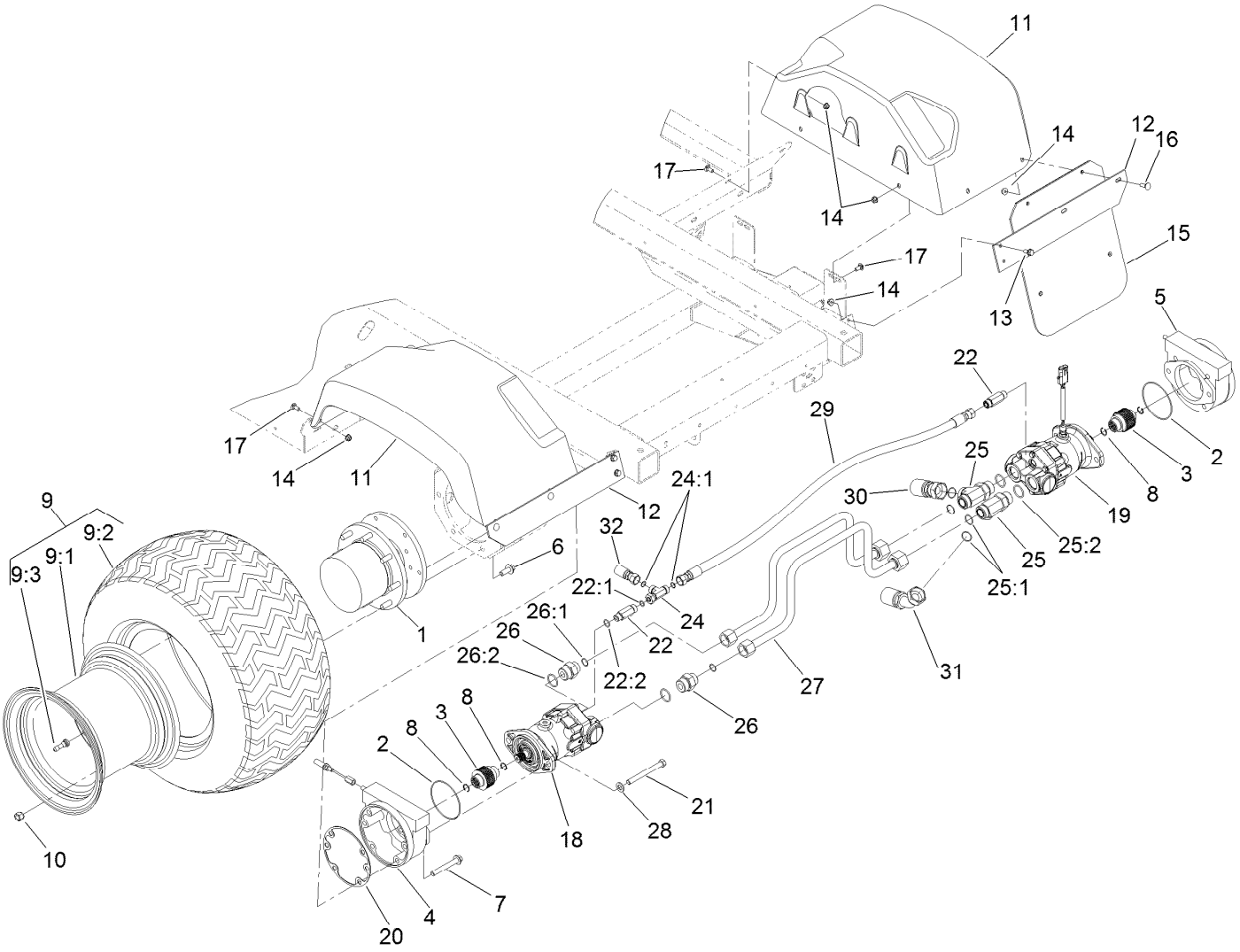
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 8 | | 2 | Screw-Set ● |
| 9 | 108-8003 | 1 | Adaptor ASM |
| 9:1 | | 1 | Adaptor-Lockout, Neutral ● |
| 9:2 | | 1 | Pin ● |
| 9:3 | | 1 | Ball ● |
| 9:4 | | 1 | O-Ring ● |
| 9:5 | | 1 | O-Ring ● |
| 10 | 115-3795 | 1 | Switch-Neutral |
|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

● Not serviced separately




# Tandem Pump Assembly No. 119-5038

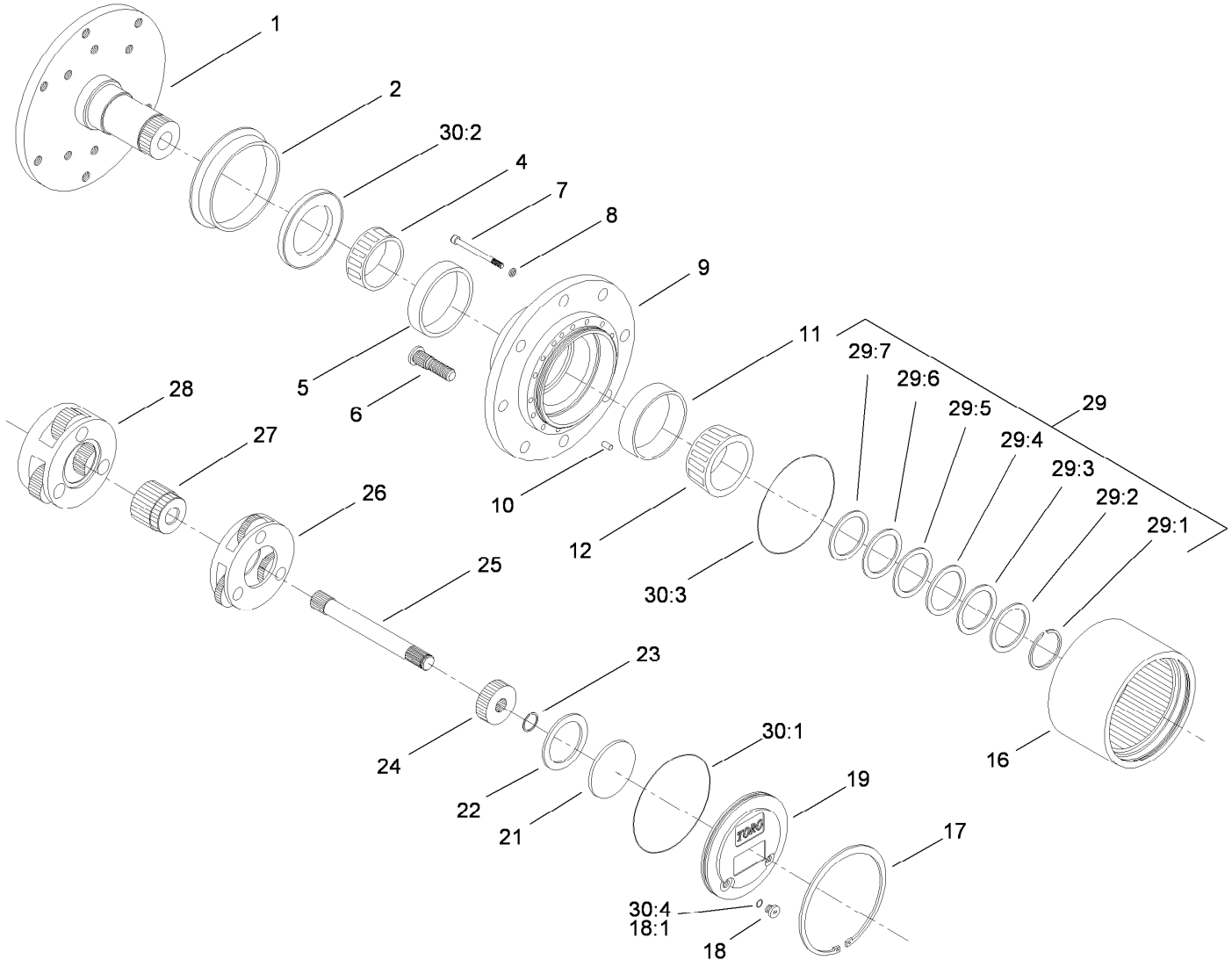
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 120-5156 | 1 | Valve-Relief |
| 2 | 120-5155 | 1 | Seal Kit |




# Rear Wheel, Fender and Motor Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 105-4500 | 2 | Planetary ASM |
| 2 | 237-166 | 2 | O-Ring |
| 3 | 100-3046 | 2 | Shaft-Brake, Splined |
| 4 | 100-3069 | 1 | RH Brake ASM |
| 5 | 100-3070 | 1 | LH Brake ASM |
| 6 | 33106-030 | 12 | Screw-HHF |
| 7 | 33106-090 | 8 | Screw-HHF |
| 8 | 93-7972 | 4 | Ring-Retaining, Internal |
| 9 | 119-6024 | 2 | Tire And Wheel ASM |
| 9:1 | 119-6026 | 1 | Wheel |
| 9:2 | 117-5196 | 1 | Tire |
| 9:3 | 232-27 | 1 | Stem-Valve |
| 10 | 242-50 | 16 | Nut-Lug |
| 11 | 93-6498 | 2 | Fender-Rear |
| 12 | 93-6528-03 | 2 | Strap-Mount, Fender |
| 13 | 3234-5 | 4 | Screw-HHF |
| 14 | 104-8300 | 16 | Nut-Flange, NI |
| 15 | 94-7127 | 2 | Splash Guard ASM |
| 16 | 3230-2 | 4 | Bolt-CARR |
| 17 | 3230-1 | 8 | Bolt-CARR |
| 18 | 93-6488 | 1 | Hydraulic Motor ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 93-6489 | 1 | Hydraulic Motor ASM |
| 20 | 93-7984 | 2 | Gasket |
| 21 | 33116-120 | 4 | Screw-HH |
| 22 | 119-4854 | 2 | Fitting-HYD, Straight |
| 22:1 | 237-30 | 1 | O-Ring |
| 22:2 | 237-79 | 1 | O-Ring |
| 24 | 340-104 | 1 | Tee-Fitting |
| 24:1 | 237-30 | 2 | O-Ring |
| 25 | 104-3795 | 2 | Fitting-HYD, Tee |
| 25:1 | 340-65 | 2 | O-Ring |
| 25:2 | 237-146 | 1 | O-Ring |
| 26 | 340-91 | 2 | Adapter |
| 26:1 | 237-58 | 1 | O-Ring |
| 26:2 | 237-146 | 1 | O-Ring |
| 27 | 117-0674 | 2 | Tube-Traction |
| 28 | 33096-00 | 4 | Washer-Flat |
| 29 | 110-5073 | 1 | Hose ASM |
| 30 | 120-8563 | 1 | Hose ASM |
| 31 | 120-8564 | 1 | Hose ASM |
| 32 | 119-0582 | 1 | Flywheel Assembly |

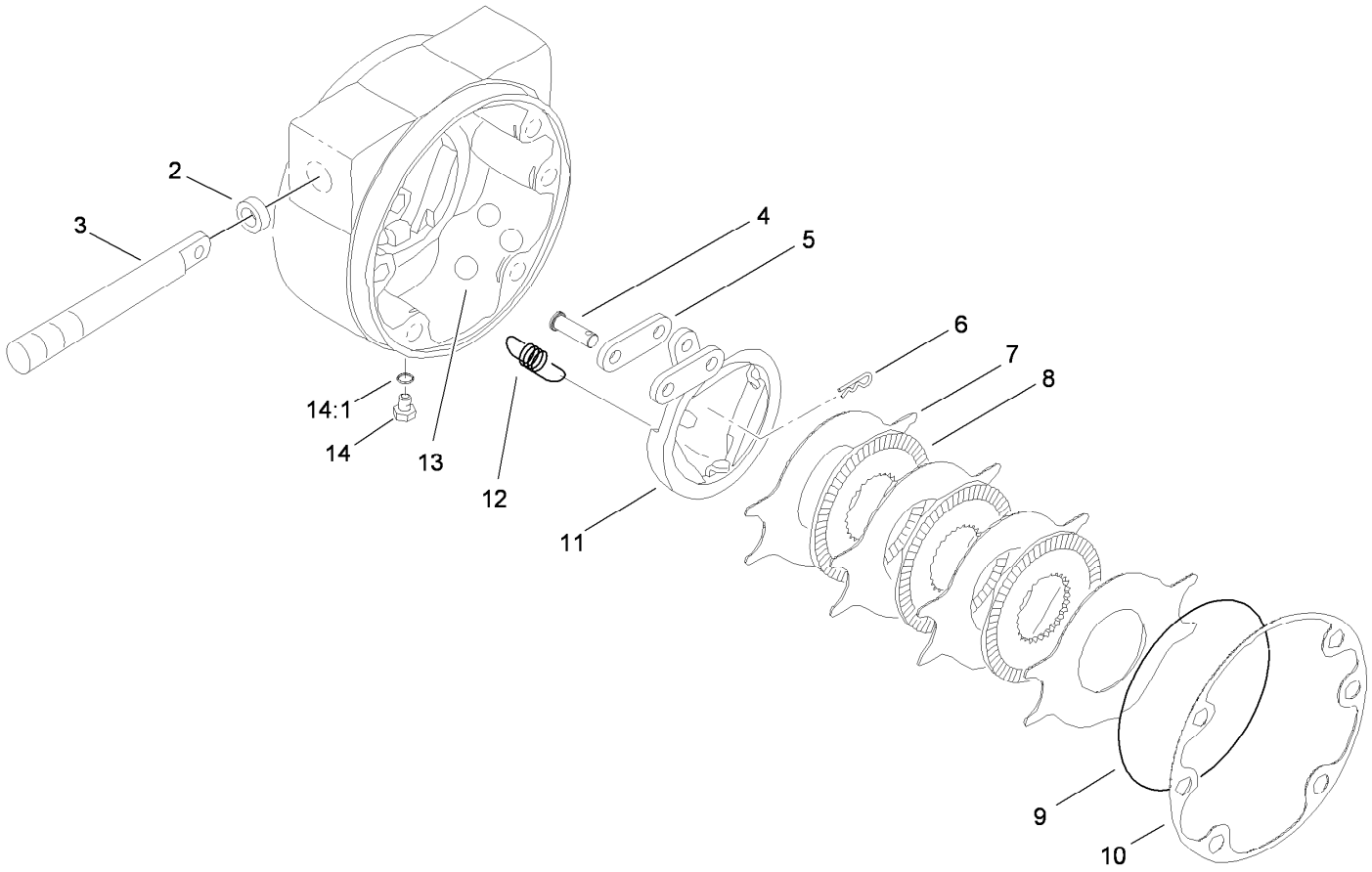



# Planetary Assembly No. 105-4500

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Spindle ■ |
| 2 | 105-8122 | 1 | Seal-Boot |
| 4 | 105-8120 | 1 | Bearing-Cone |
| 5 | 105-8119 | 1 | Bearing-Cup |
| 6 | 105-8124 | 8 | Stud-Wheel |
| 7 | 105-8125 | 16 | Bolt-Head, Socket |
| 8 | 3253-18 | 16 | Washer-Lock |
| 9 | | 1 | Housing ■ |
| 10 | 105-8121 | 1 | Pin-Dowel |
| 11 | 105-8117 | 1 | Bearing-Cup |
| 12 | 105-8118 | 1 | Bearing-Cone |
| 16 | 105-8113 | 1 | Gear-Ring |
| 17 | 105-8132 | 1 | Ring-Retaining |
| 18 | 353-990 | 2 | Plug ASM |
| 18:1 | 237-78 | 1 | O-Ring |
| 19 | 105-8138 | 1 | Cap-End |
| 21 | 105-8133 | 1 | Plug-Thrust |
| 22 | 105-8123 | 1 | Washer-Thrust |
| 23 | 105-8131 | 1 | Ring-Retaining |
| 24 | 105-8114 | 1 | Gear-Primary |
| 25 | 105-8115 | 1 | Shaft-Drive |
| 26 | 105-8129 | 1 | Primary Carrier ASM |
| 27 | 105-8139 | 1 | Gear-Secondary |
| 28 | 105-8130 | 1 | Secondary Carrier ASM |
| 29 | 105-8136 | 1 | Shim Kit |
| 29:1 | | 1 | Ring-Snap ■ |
| 29:2 | | 1 | Shim-Bearing, 2.9Mm ■ |
| 29:3 | | 1 | Shim-Bearing, 2.8Mm ■ |
| 29:4 | | 1 | Shim-Bearing, 2.7Mm ■ |
| 29:5 | | 1 | Shim-Bearing, 2.6Mm ■ |
| 29:6 | | 1 | Shim-Bearing, 2.5Mm ■ |
| 29:7 | | 1 | Shim-Bearing, 2.4Mm ■ |
| 30 | 105-8137 | 1 | Seal Kit ● |
| 30:1 | | 1 | O Ring-Flange Cap ■ |
| 30:2 | | 1 | Seal-Oil ■ |
| 30:3 | | 2 | O Ring-End Cap ■ |
| 30:4 | 237-78 | 2 | O-Ring |

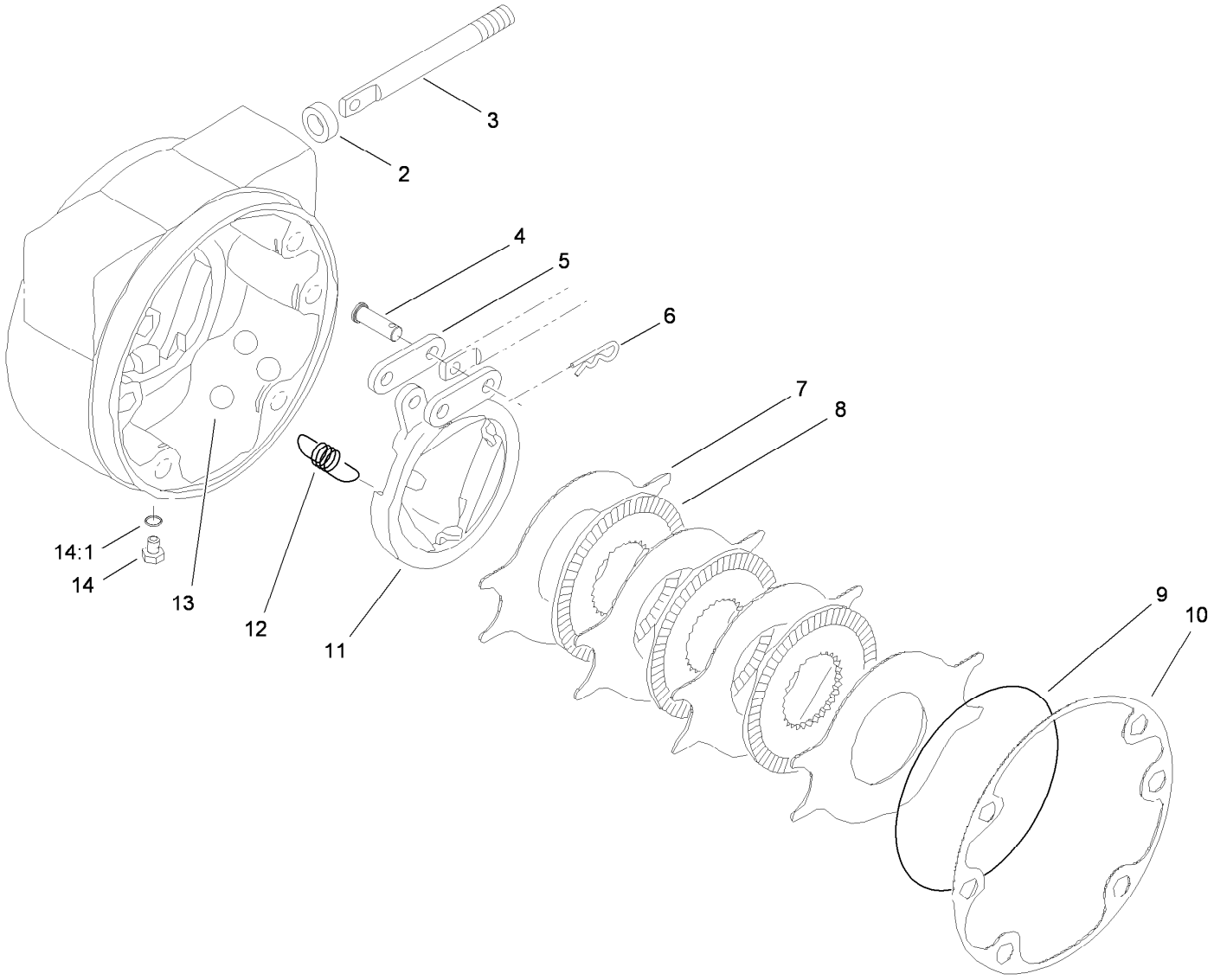
● Not illustrated

■ Not serviced separately



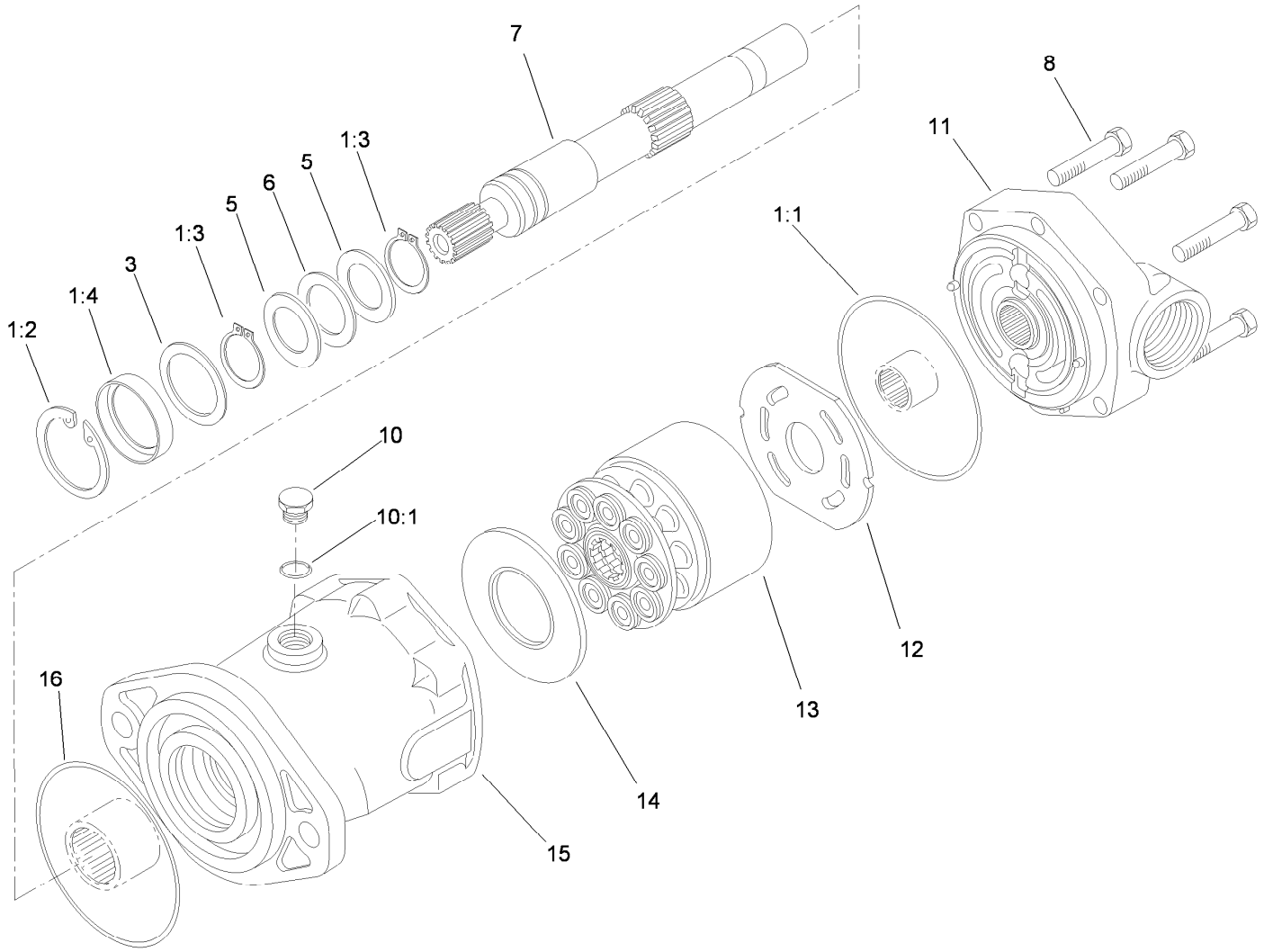

# Brake Assembly No. 100-3069

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 93-7977 | 1 | Seal |
| 3 | 93-7978 | 1 | Rod-Pull |
| 4 | 93-7983 | 2 | Pin-Clevis |
| 5 | 93-7980 | 2 | Link |
| 6 | 93-7979 | 2 | Pin-Hitch |
| 7 | 93-7986 | 4 | Disc-Stationary |
| 8 | 104-4278 | 3 | Disc-Rotating |
| 9 | 93-7976 | 1 | Ring-Retaining |
| 10 | 93-7984 | 1 | Gasket |
| 11 | 104-4280 | 1 | Actuator-Rotating |
| 12 | 93-7987 | 3 | Spring-Extension |
| 13 | 93-7985 | 3 | Ball |
| 14 | 353-990 | 2 | Plug ASM |
| 14:1 | 237-78 | 1 | O-Ring |




# Brake Assembly No. 100-3070

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



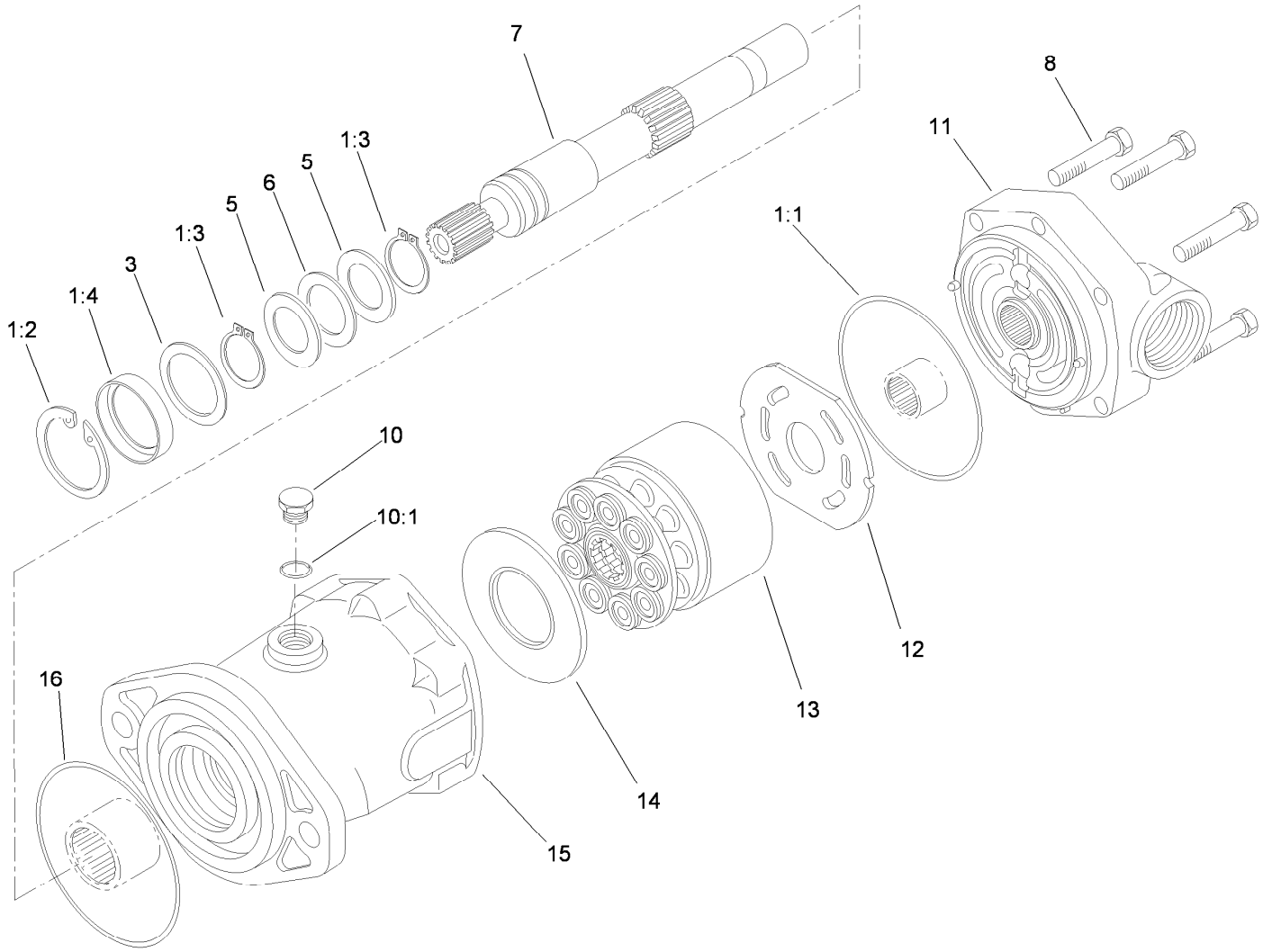

# Hydraulic Motor Assembly No. 93-6488

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 106-6876 | 1 | Seal Kit ● |
| 1:1 | | 1 | O-Ring ■ |
| 1:2 | 76-7010 | 1 | Ring-Retaining |
| 1:3 | 76-7000 | 2 | Ring-Retaining |
| 1:4 | | 1 | Seal-Shaft ■ |
| 3 | 60-6240 | 1 | Washer |
| 5 | 76-6950 | 2 | Race-Thrust |
| 6 | 76-6960 | 1 | Bearing-Thrust |
| 7 | 94-3004 | 1 | Shaft-Drive, Splined |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 8 | 94-3002 | 6 | Capscrew |
| 10 | 94-3009 | 1 | Plug |
| 10:1 | | 1 | O-Ring ■ |
| 11 | | 1 | Backplate ASM ■ |
| 12 | 94-3003 | 1 | Plate-Valve |
| 13 | 76-6910 | 1 | Rotating Kit |
| 14 | 76-6970 | 1 | Insert-Plate, Cam |
| 15 | | 1 | Housing ■ |
| 16 | 237-166 | 1 | O-Ring |

● Not illustrated

■ Not serviced separately



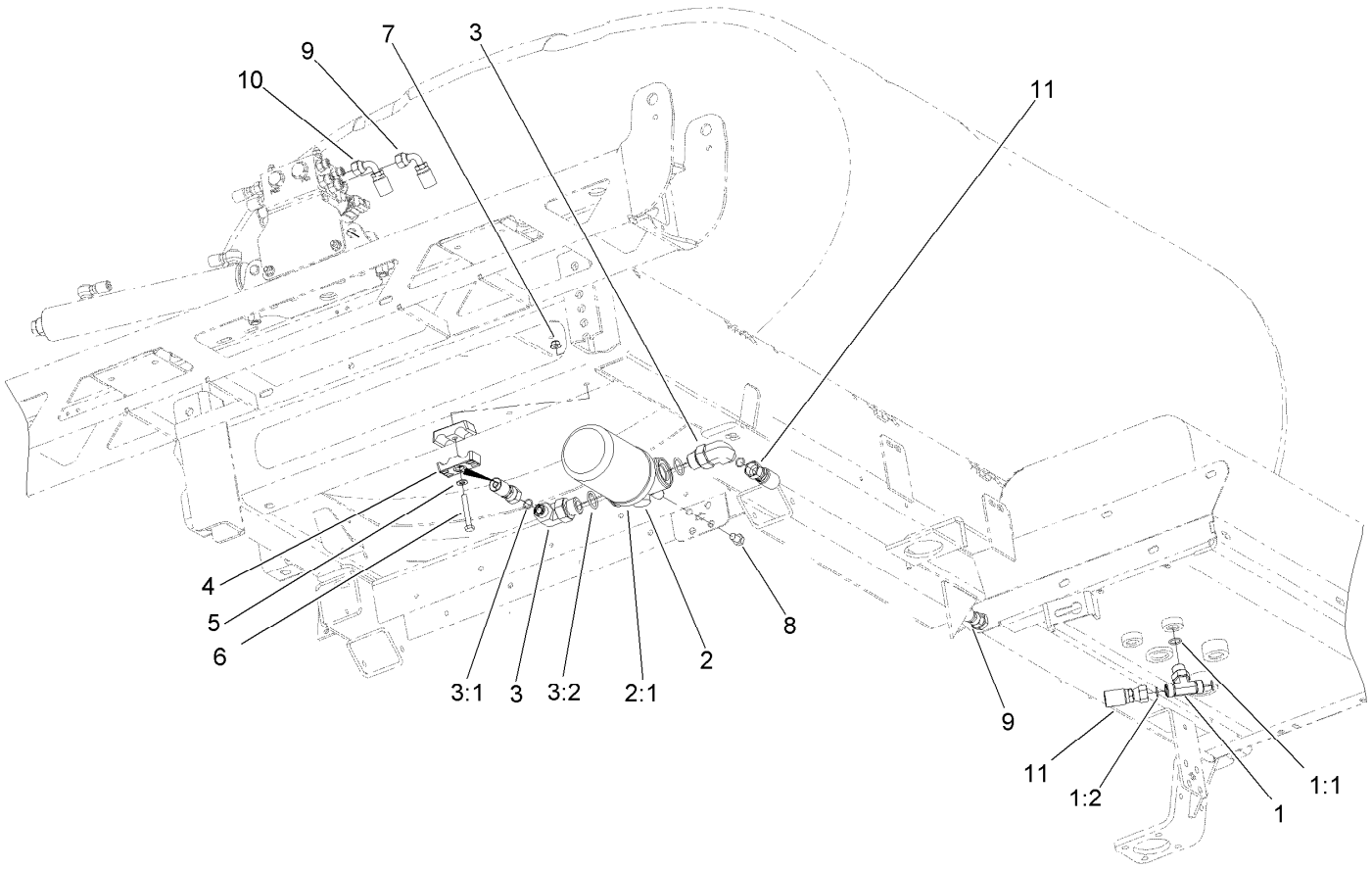

# Hydraulic Motor Assembly No. 93-6489

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 106-6876 | 1 | Seal Kit ● |
| 1:1 | | 1 | O-Ring ■ |
| 1:2 | 76-7010 | 1 | Ring-Retaining |
| 1:3 | 76-7000 | 2 | Ring-Retaining |
| 1:4 | | 1 | Seal-Shaft ■ |
| 3 | 60-6240 | 1 | Washer |
| 5 | 76-6950 | 2 | Race-Thrust |
| 6 | 76-6960 | 1 | Bearing-Thrust |
| 7 | 94-3004 | 1 | Shaft-Drive, Splined |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 8 | 94-3002 | 6 | Capscrew |
| 10 | 94-3010 | 1 | Sensor-Speed, Pickup |
| 10:1 | | 1 | O-Ring ■ |
| 11 | | 1 | Back Plate ASM ■ |
| 12 | 94-3003 | 1 | Plate-Valve |
| 13 | 76-6910 | 1 | Rotating Kit |
| 14 | 76-6970 | 1 | Insert-Plate, Cam |
| 15 | | 1 | Housing ■ |
| 16 | 237-166 | 1 | O-Ring |

● Not illustrated

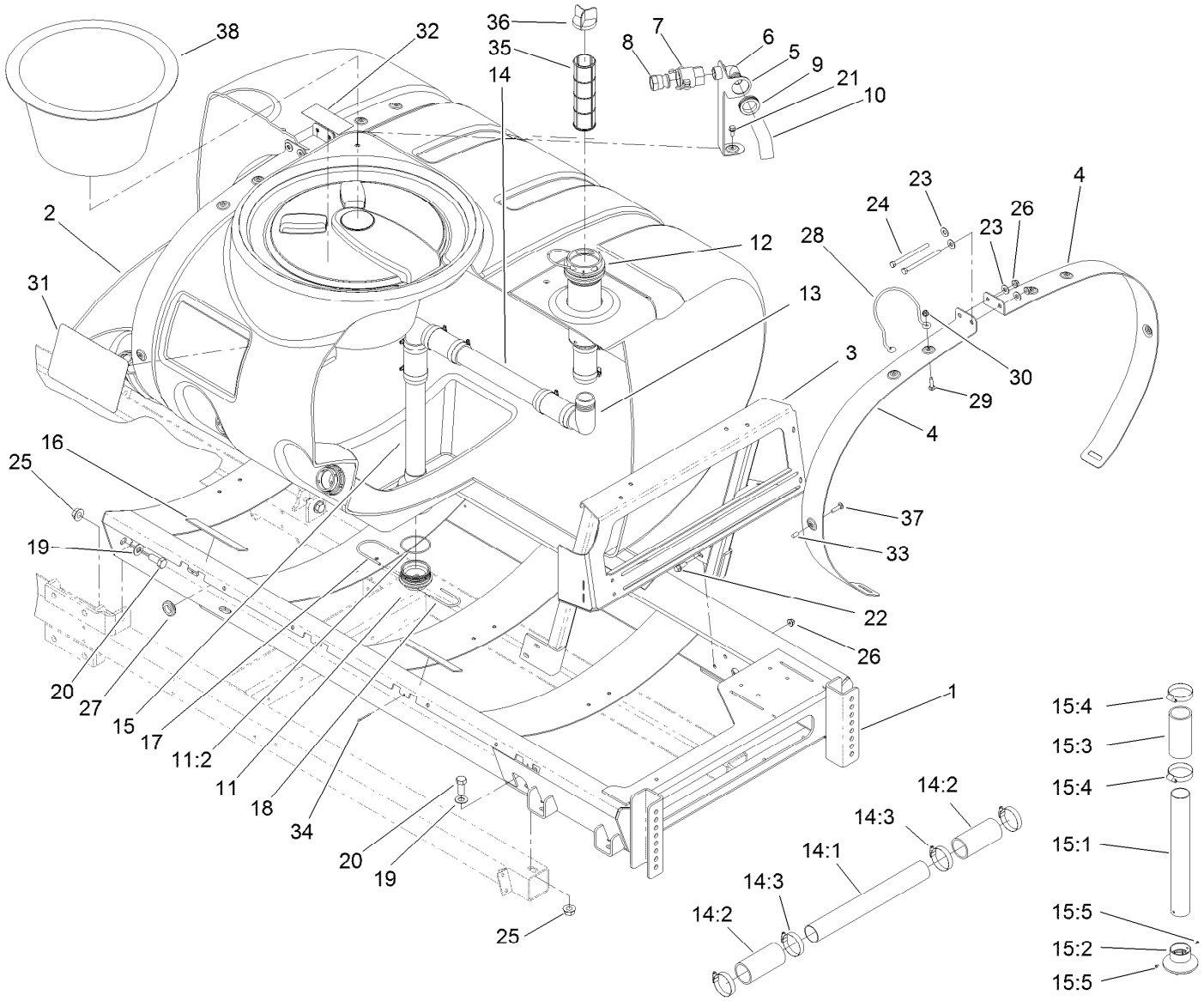
■ Not serviced separately




# Boom Lift Hydraulic System

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 340-157 | 1 | Fitting-HYD, Tee |
| 1:1 | 237-79 | 1 | O-Ring |
| 1:2 | 237-30 | 2 | O-Ring |
| 2 | 93-2242 | 1 | Oil Filter ASM |
| 2:1 | 75-1310 | 1 | Filter-HYD |
| 3 | 340-131 | 2 | Fitting-HYD, 90 DEG |
| 3:1 | 237-30 | 1 | O-Ring |
| 3:2 | 237-81 | 1 | O-Ring |

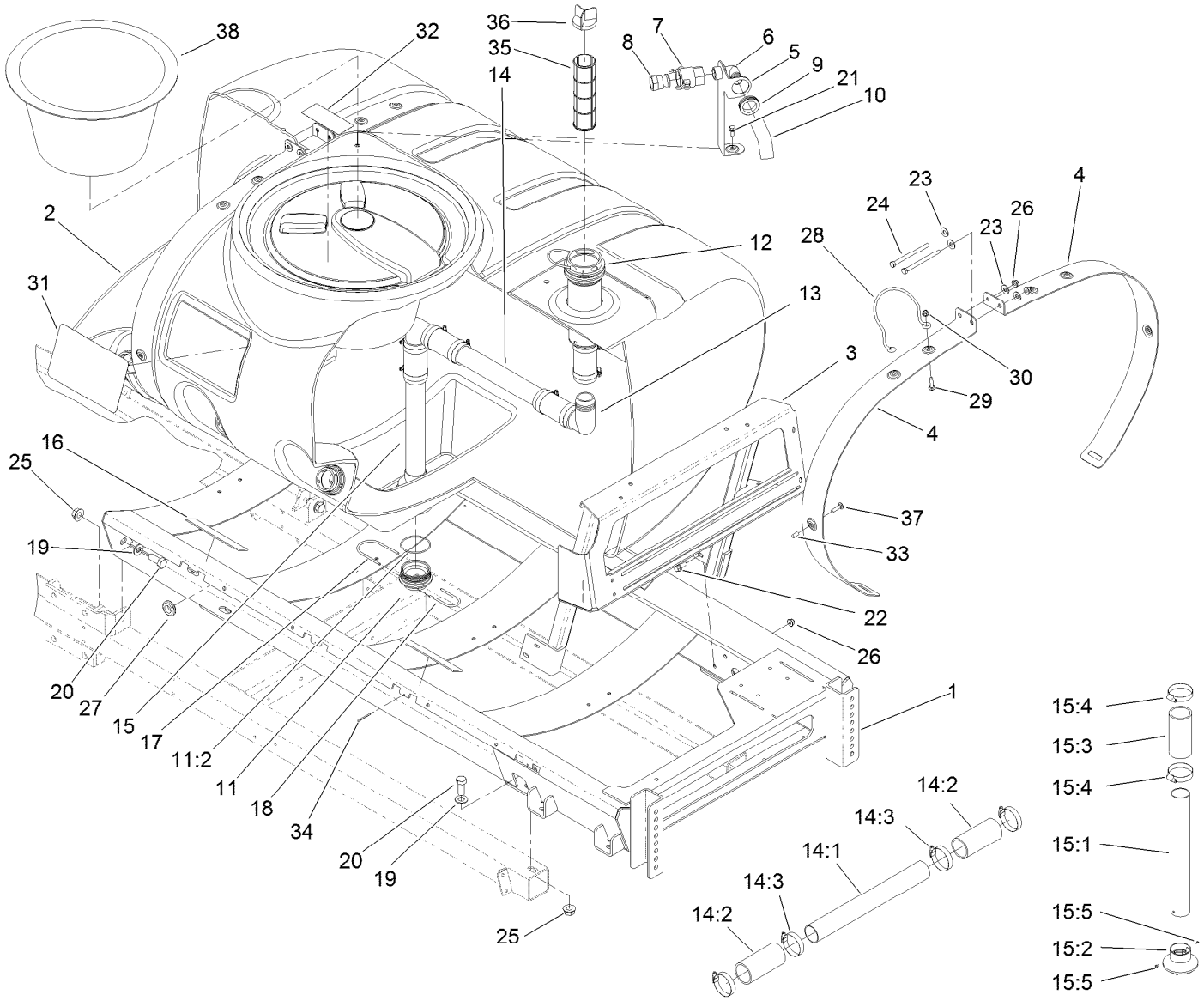
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 4 | 94-8105 | 2 | Clamp-Tube |
| 5 | 3256-23 | 1 | Washer-Flat |
| 6 | 322-11 | 1 | Screw-HH |
| 7 | 104-8300 | 1 | Nut-Flange, NI |
| 8 | 33115-016 | 4 | Screw-HH |
| 9 | 119-0588 | 1 | HYD Hose ASM |
| 10 | 119-0587 | 1 | HYD Hose ASM |
| 11 | 106-3672 | 1 | HYD Hose ASM |




# Saddle and Tank Mount

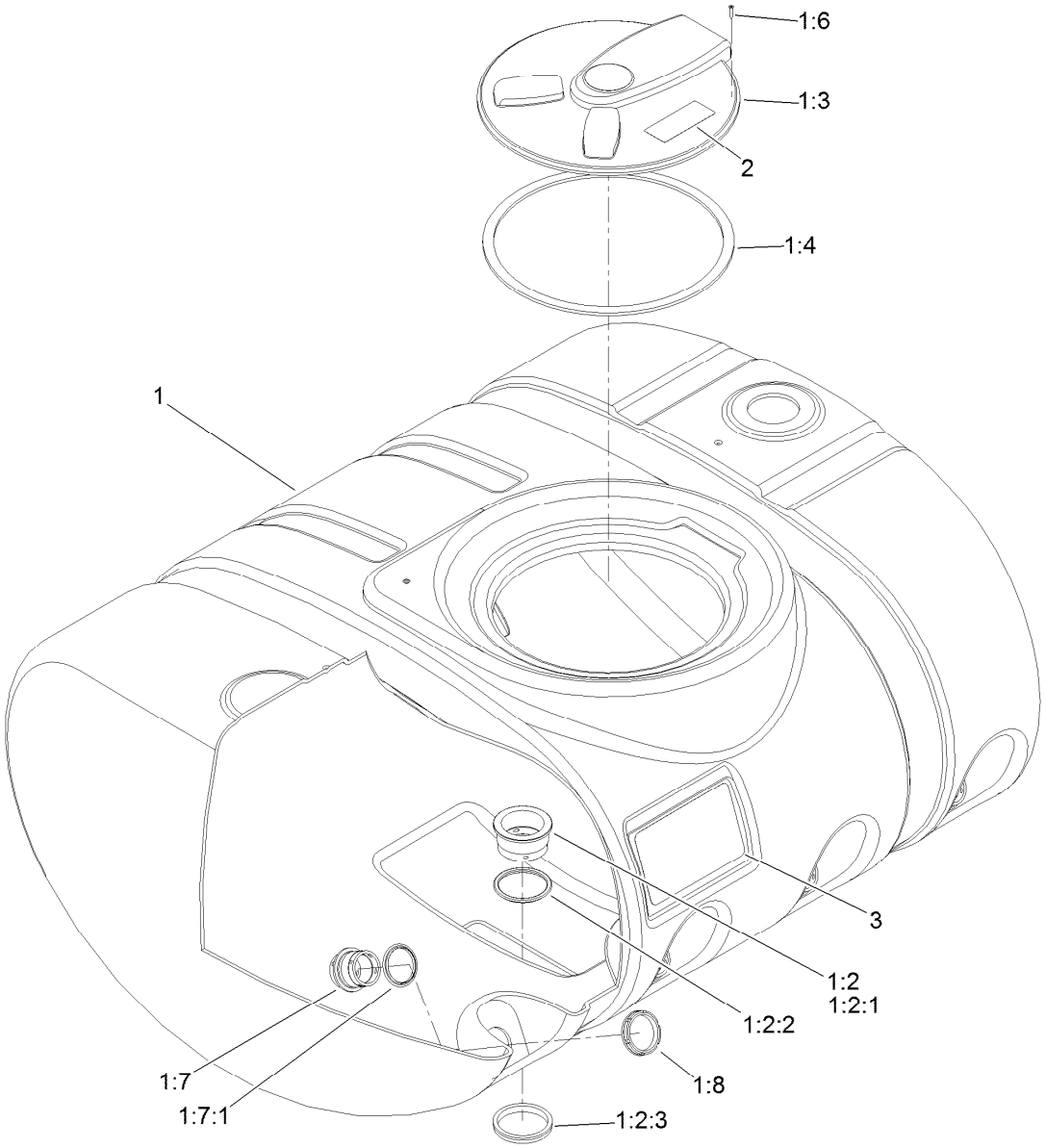
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-8010-03 | 1 | Tank Saddle ASM |
| 2 | 117-8005 | 1 | Tank ASM |
| 3 | 117-7927-03 | 1 | Valve-Support |
| 4 | 117-8029-03 | 4 | Band-Tank |
| 5 | 110-5082-03 | 1 | Bracket-Anti-Siphon |
| 6 | 41140 | 1 | Elbow |
| 7 | 100-6779 | 1 | Coupling-Female |
| 8 | 41316 | 1 | Adapter-Quick |
| 9 | 110-5090 | 1 | Grommet |
| 10 | 110-5088 | 1 | Hose-Fill |
| 11 | 117-7928 | 1 | Adapter ASM |
| 11:2 | 100-6989 | 1 | O-Ring |
| 12 | 120-0716 | 1 | Filter ASM |
| 13 | 104-9095 | 2 | Elbow |
| 14 | 117-7955 | 1 | Middle Suction Tube ASM |
| 14:1 | 117-7953 | 1 | Tube-Suction, Middle |
| 14:2 | 100-8649 | 2 | Hose-Suction |
| 14:3 | 2412-125 | 4 | Clamp-Hose |
| 15 | 117-7956 | 1 | Lower Suction Tube ASM |
| 15:1 | 117-7954 | 1 | Tube-Suction, Lower |
| 15:2 | 100-6714 | 1 | Foot-Tube, Suction |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15:3 | 100-8649 | 1 | Hose-Suction |
| 15:4 | 2412-125 | 2 | Clamp-Hose |
| 15:5 | 108-3270 | 2 | Screw-TAP |
| 16 | 104-7102 | 4 | Pad-Battery |
| 17 | 117-7996 | 1 | Fork |
| 18 | 100-8635 | 1 | Fork |
| 19 | 3256-27 | 4 | Washer-Flat |
| 20 | 327-4 | 4 | Screw-HH |
| 21 | 3234-5 | 1 | Screw-HHF |
| 22 | 3234-11 | 4 | Screw-HHF |
| 23 | 3256-4 | 8 | Washer-Flat |
| 24 | 120-0649 | 4 | Bolt-TAP HH |
| 25 | 32128-50 | 4 | Nut-Flange |
| 26 | 104-8301 | 8 | Nut-Flange, NI |
| 27 | 1-543286 | 1 | Grommet |
| 28 | 119-5019 | 1 | Stop-Lid |
| 29 | 3230-2 | 2 | Bolt-CARR |
| 30 | 104-8300 | 3 | Nut-Flange, NI |
| 31 | 119-5042 | 2 | Decal-Tank |
| 32 | 120-0622 | 1 | Decal-Warning |
| 33 | 42452 | 5 | Cap-Protective |




# Saddle and Tank Mount (continued)

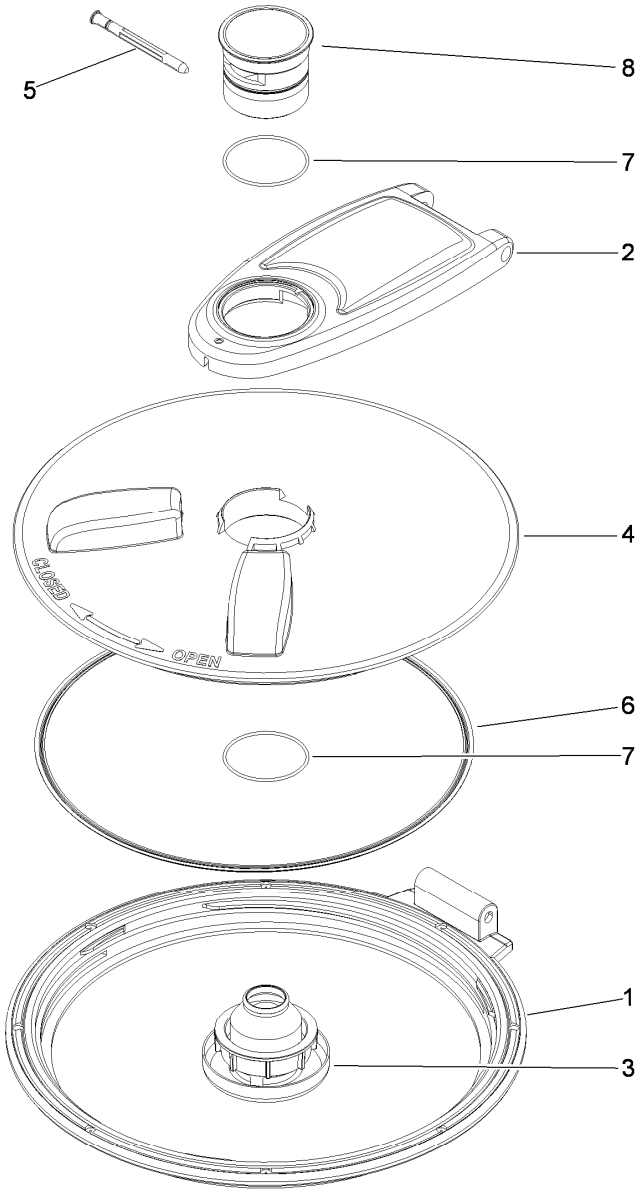
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 34 | 3290-343 | 4 | Pin-Hair |
| 35 | 100-8642 | 1 | Screen-Suction |
| 35 | 100-6991 | 1 | Element-Filter, Green |
| 35 | 100-6992 | 1 | Element-Filter, Red |
| 36 | 100-8641 | 1 | Vane-Screen |
| 37 | 3230-1 | 5 | Bolt-CARR |
| 38 | 119-9419 | 1 | Basket-Filter |




# Tank Assembly No. 117-8005

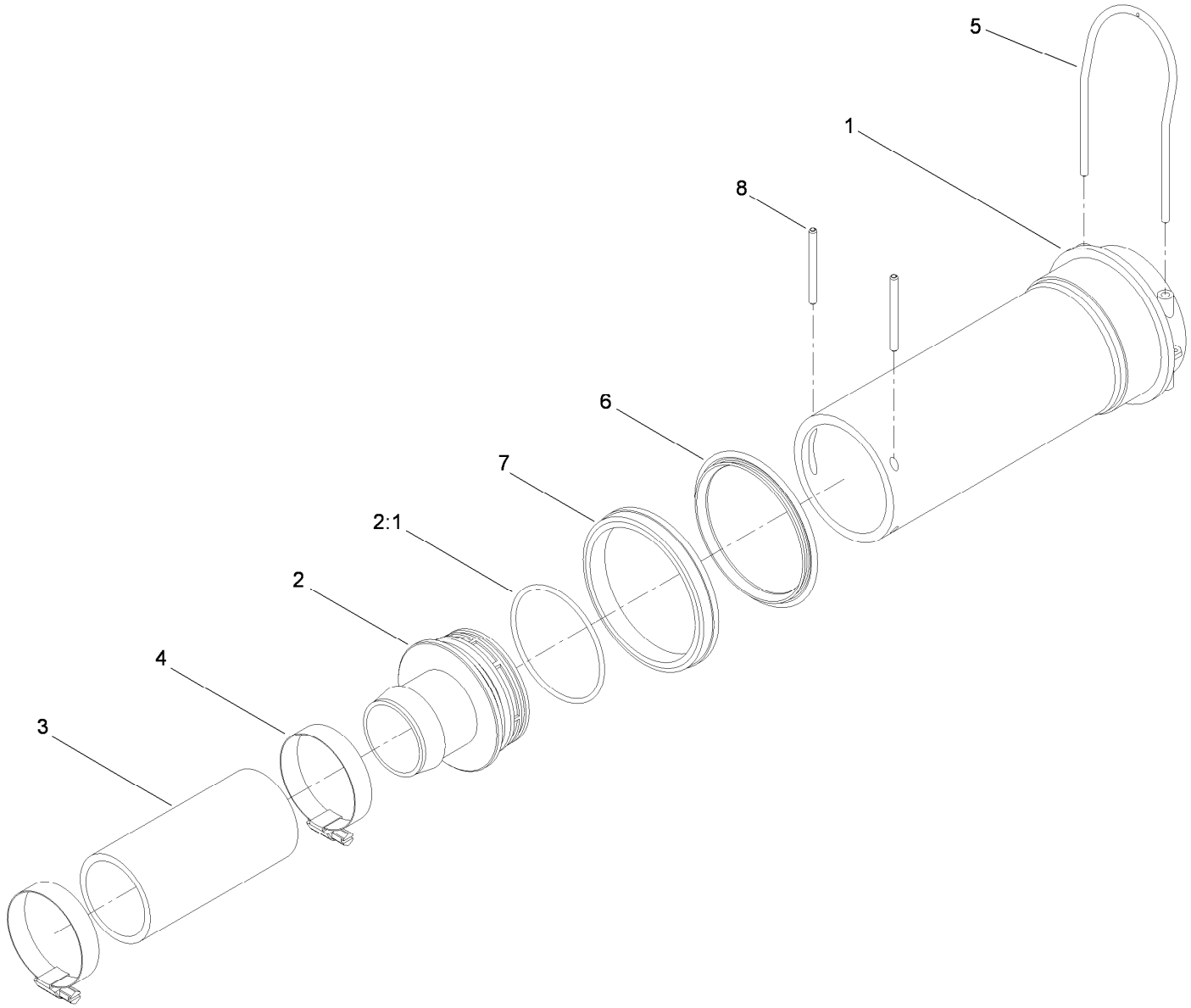
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Tank ASM ● |
| 1:2 | 117-7851 | 1 | Bulkhead ASM |
| 1:2:1 | 117-7850 | 1 | Fitting-Bulkhead |
| 1:2:2 | 100-8646 | 1 | Gasket-Bulkhead |
| 1:2:3 | 100-8647 | 1 | Nut-Bulkhead |
| 1:3 | | 1 | Spray Tank Lid ASM ● |
| 1:4 | 119-9378 | 1 | Gasket-Lid, Tank |
| 1:6 | 107-8635 | 8 | Screw-PFH |
| 1:7 | 108-3358 | 4 | Fitting-Bulkhead |
| 1:7:1 | 107-2864 | 1 | Gasket-Bulkhead |
| 1:8 | 100-7051 | 4 | Nut-Bulkhead |
| 2 | 120-0622 | 1 | Decal-Warning |
| 3 | 119-5042 | 2 | Decal-Tank |

● Not serviced separately



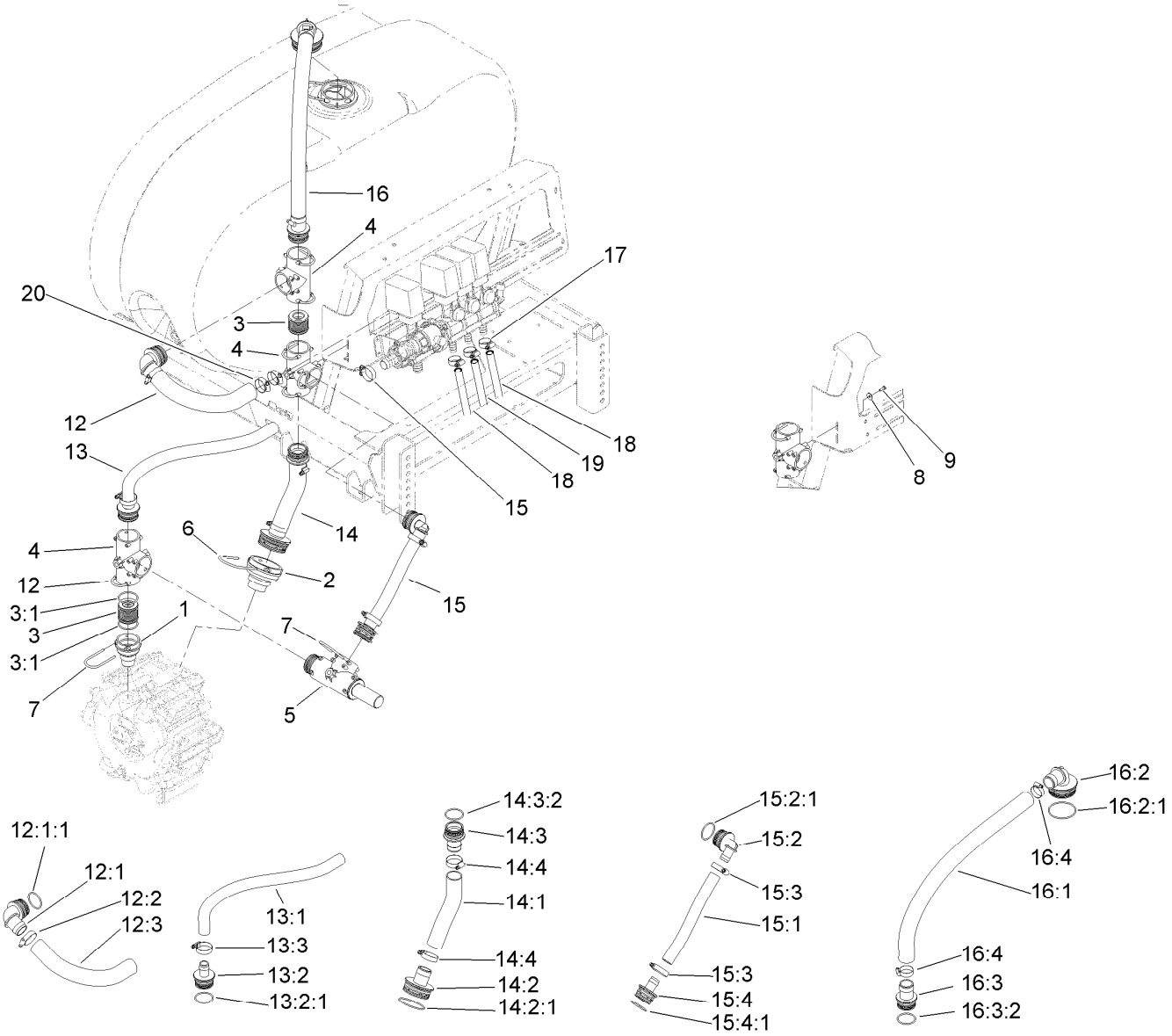

# Spray Tank Lid Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-9381 | 1 | Ring-Lid |
| 2 | 119-9382 | 1 | Arm-Lid |
| 3 | 119-9383 | 1 | Lid Vent ASM |
| 4 | 119-9384 | 1 | Cover-Lid |
| 5 | 119-9385 | 1 | Pin-Pivot |
| 6 | 106-5004 | 1 | Seal-Lid |
| 7 | 119-9386 | 2 | O-Ring |
| 8 | 119-9387 | 1 | Cap-Lid |




# Filter Assembly No. 120-0716

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 100-8643 | 1 | Housing-Filter |
| 2 | 106-4942 | 1 | Hosebarb-Straight |
| 2:1 | 100-6989 | 1 | O-Ring |
| 3 | 100-8649 | 1 | Hose-Suction |
| 4 | 2412-125 | 2 | Clamp-Hose |
| 5 | 100-8636 | 1 | Fork-Special |
| 6 | 100-8646 | 1 | Gasket-Bulkhead |
| 7 | 100-8647 | 1 | Nut-Bulkhead |
| 8 | 100-8644 | 2 | Pin-Expansion |

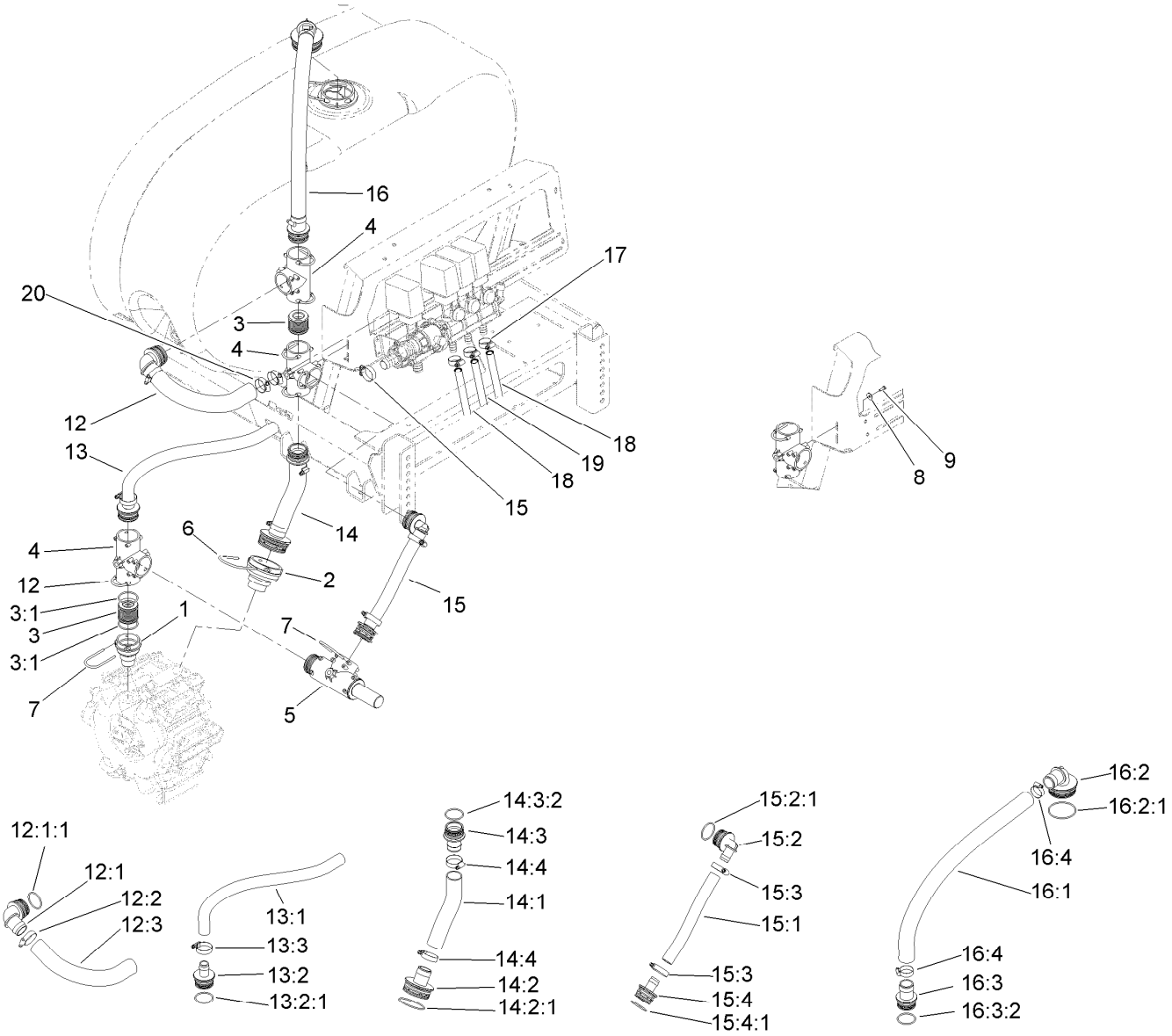



# Spray System Supply Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-7859 | 1 | Fitting-Pump |
| 2 | 117-7858 | 1 | Fitting-Pump |
| 3 | 106-4947 | 2 | Connector |
| 3:1 | 100-8637 | 2 | O-Ring |
| 4 | 100-6704 | 3 | Tee |
| 5 | 117-7874 | 1 | Relief Valve ASM |
| 6 | 117-7996 | 1 | Fork |
| 7 | 100-8635 | 11 | Fork |
| 8 | 3256-61 | 2 | Washer-Flat |
| 9 | 32144-32 | 2 | Screw |
| 12 | | 1 | Agitation Bypass Hose ASM ● |
| 12:1 | 110-5156 | 1 | Suction Elbow ASM |
| 12:1:1 | 100-8637 | 1 | O-Ring |
| 12:2 | 41327 | 1 | Clamp-Hose |
| 12:3 | 119-0520 | 1 | Hose-Agitation, Bypass |
| 13 | | 1 | Supply Hose ASM ● |
| 13:1 | 119-0445 | 1 | Hose-Main Supply |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13:2 | 106-4932 | 1 | Hosebarb-Straight |
| 13:2:1 | 100-8637 | 1 | O-Ring |
| 13:3 | 2412-3 | 1 | Clamp-Hose |
| 14 | | 1 | Lower-Suciton, Hose ASM ● |
| 14:1 | 117-7960 | 1 | Hose-Suction,Lower |
| 14:2 | 117-7965 | 1 | Hosebarb ASM |
| 14:2:1 | 100-6989 | 1 | O-Ring |
| 14:3 | 117-7982 | 1 | Hosebarb ASM |
| 14:3:2 | 100-8637 | 1 | O-Ring |
| 14:4 | 41327 | 2 | Clamp-Hose |
| 15 | | 1 | Pressure Relief Hose ASM ● |
| 15:1 | 117-7958 | 1 | Hose-Pressure Relief |
| 15:2 | 106-4933 | 2 | Hosebarb ASM |
| 15:2:1 | 100-8637 | 1 | O-Ring |
| 15:3 | 2412-3 | 2 | Clamp-Hose |
| 15:4 | 106-4932 | 1 | Hosebarb-Straight |
| 15:4:1 | 100-8637 | 1 | O-Ring |
| 16 | | 1 | Upper Suction Hose ASM ● |

● Not serviced separately

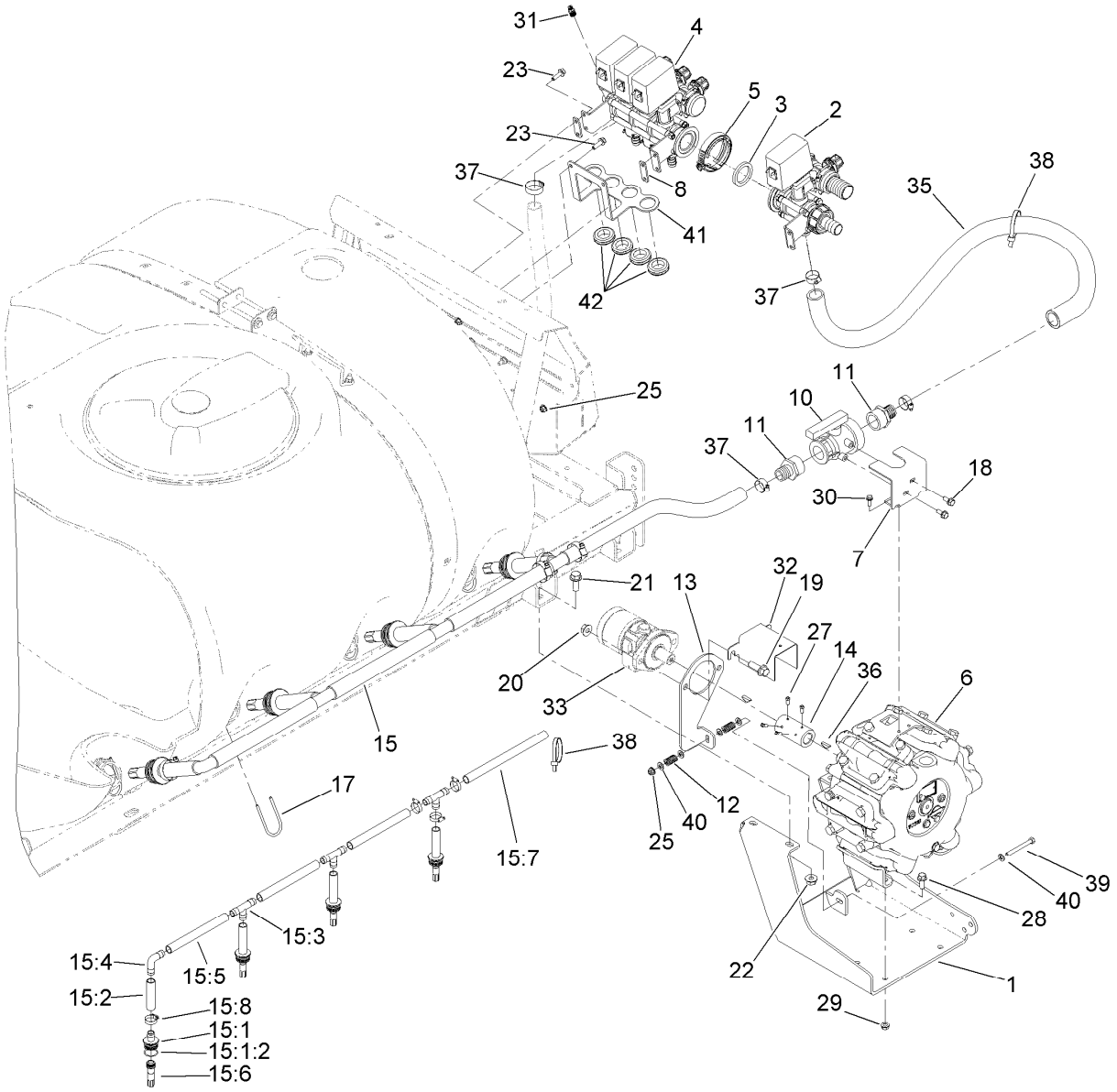



# Spray System Supply Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16:1 | 117-7959 | 1 | Hose-Suction,Upper |
| 16:2 | 106-4952 | 1 | Hosebarb-90 DEG |
| 16:2:1 | 100-6989 | 1 | O-Ring |
| 16:3 | 117-7982 | 1 | Hosebarb ASM |
| 16:3:2 | 100-8637 | 1 | O-Ring |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16:4 | 41327 | 2 | Clamp-Hose |
| 17 | 2412-129 | 3 | Clamp-Hose |
| 18 | 108-3491 | 2 | Hose-Boom |
| 19 | 40506 | 1 | Hose-Jumper |
| 20 | 41327 | 2 | Clamp-Hose |

● Not serviced separately

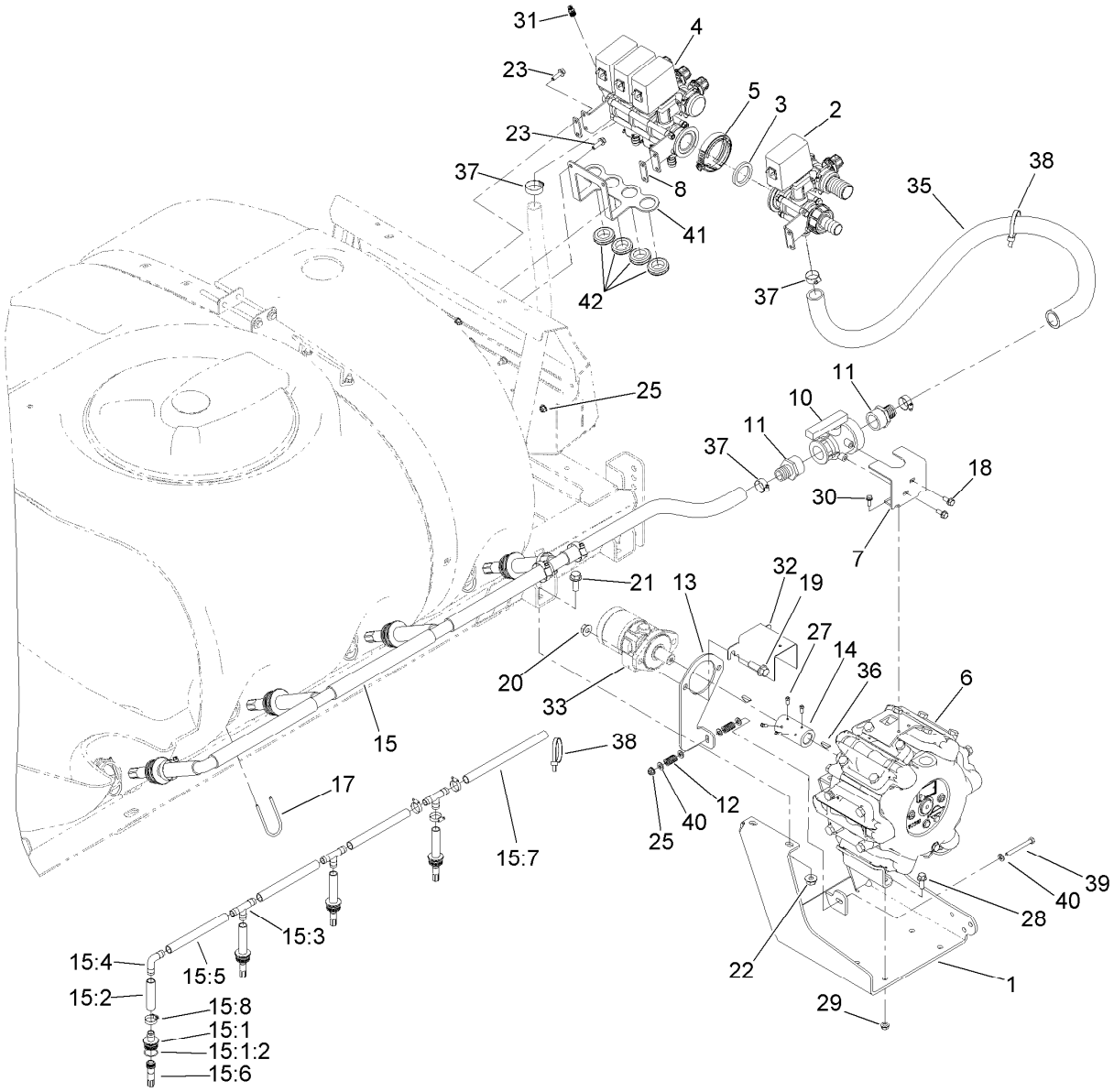



# Spray Pump and Valve Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-0655-03 | 1 | Pump Bracket ASM |
| 2 | | 1 | Valve-Agitation ASM ● |
| 3 | 104-9090 | 1 | Gasket |
| 4 | | 1 | Manifold-Valve W/Bypass ● |
| 5 | 104-9089 | 1 | Clamp-Screw, Worm |
| 6 | 117-0713 | 1 | Pump ASM |
| 7 | 119-0442-03 | 1 | Bracket-Ball Valve |
| 8 | 125-0822 | 2 | Spacer-Valve Mount |
| 10 | 108-0069 | 1 | Valve-Ball |
| 11 | 110-5224 | 2 | Fitting-Barbed, Straight |
| 12 | 110-5331 | 2 | Spring-Compression |
| 13 | 117-8040-03 | 1 | Plate-Motor Mount |
| 14 | 117-8045 | 1 | Coupler |
| 15 | | 1 | Agitation Hose ASM ● |
| 15:1 | 117-7978 | 4 | Str Threaded ASM |
| 15:1:2 | 100-8637 | 1 | O-Ring |
| 15:2 | 119-0441 | 4 | Hose-Agitaiton |
| 15:3 | 117-7866 | 3 | Tee-Hosebarb |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15:4 | 117-7867 | 1 | Elbow-Hosebarb |
| 15:5 | 117-7862 | 3 | Hose-Main Agitation |
| 15:6 | 117-7853 | 4 | Bushing-Nozzle |
| 15:7 | 119-0443 | 1 | Hose-Agitation |
| 15:8 | 2412-3 | 15 | Clamp-Hose |
| 17 | 100-8635 | 4 | Fork |
| 18 | 3234-5 | 2 | Screw-HHF |
| 19 | 100-6116 | 2 | Screw-HHF |
| 20 | 32128-49 | 2 | Nut-HHF |
| 21 | 110-5057 | 4 | Capscrew-HHF |
| 22 | 108-3745 | 4 | Nut-HF, Whiz |
| 23 | 3234-17 | 8 | Screw-HHF |
| 25 | 104-8300 | 8 | Nut-Flange, NI |
| 27 | 3241-7 | 4 | Screw-SQH |
| 28 | 3234-11 | 4 | Screw-HHF |
| 29 | 3290-357 | 4 | Nut-HHF, Whiz |
| 30 | 3234-4 | 2 | Screw-HHF |
| 31 | 100-8674 | 1 | Coupler-Tube |

● Not serviced separately

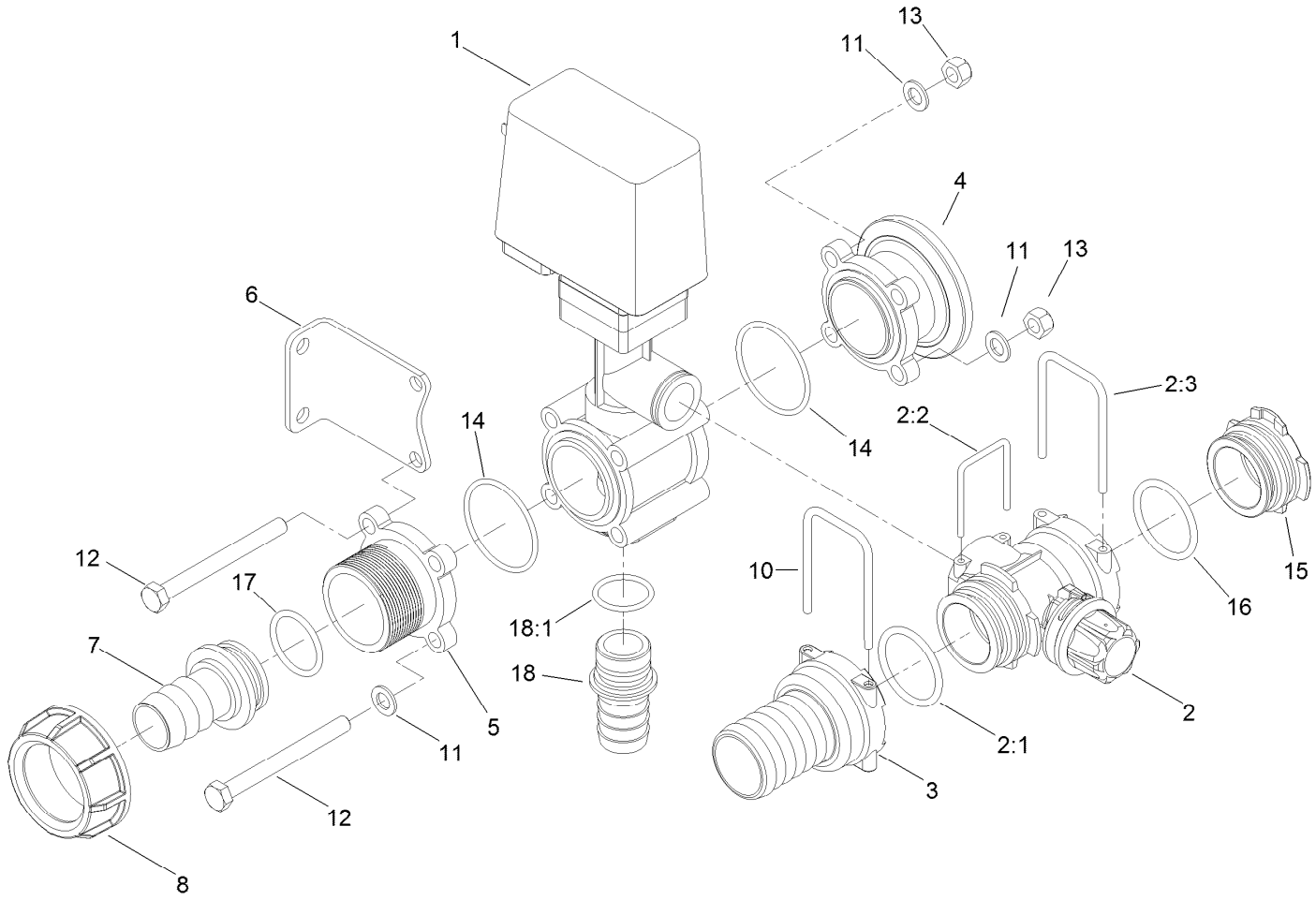



# Spray Pump and Valve Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 32 | 120-0628-03 | 1 | Guard-Pump Shaft |
| 33 | 117-0706 | 1 | HYD Motor ASM |
| 35 | 119-0480 | 1 | Hose-Valve, Agitation |
| 36 | 106-1990 | 1 | Key-Woodruff |
| 37 | 2412-34 | 4 | Clamp-Hose |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 38 | 3334-945 | 2 | Tie-Cable |
| 39 | 322-14 | 1 | Screw-HH |
| 40 | 3256-23 | 5 | Washer-Flat |
| 41 | 120-8594-03 | 1 | Hose-Loom, 4 Hole |
| 42 | 108-3723 | 4 | Grommet |

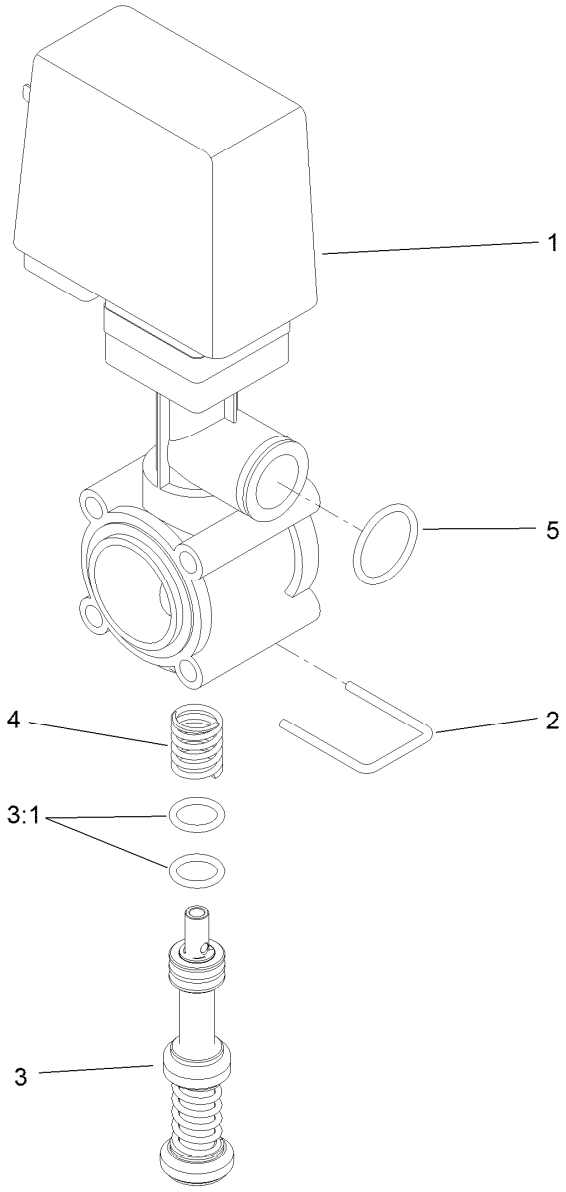
● Not serviced separately




# Agitation Valve Assembly

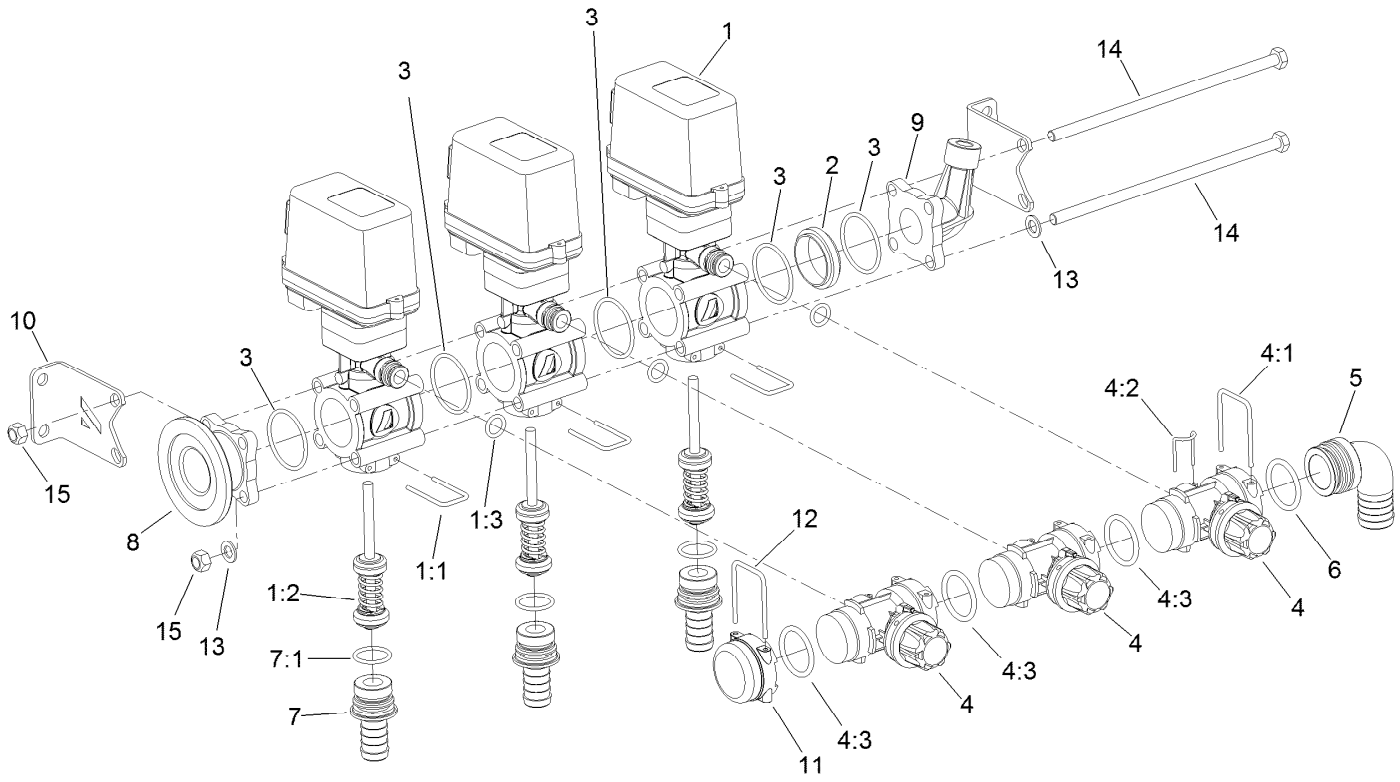
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 121-5053 | 1 | Valve (W/Bypass) |
| 2 | 120-8595 | 1 | Valve-Bypass |
| 2:1 | 119-4869 | 1 | O-Ring |
| 2:2 | 119-4862 | 1 | Fork |
| 2:3 | 119-4863 | 1 | Fork |
| 3 | 120-8607 | 1 | Hosebarb -Str |
| 4 | 117-7966 | 1 | Flange |
| 5 | 119-0522 | 1 | Adapter |
| 6 | 117-7975 | 1 | Bracke Mounting Kit |
| 7 | 119-0499 | 1 | Hosebarb |
| 8 | 117-7879 | 1 | Nut-Fly |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 119-4863 | 2 | Fork |
| 11 | 119-4871 | 6 | Washer |
| 12 | 119-4866 | 4 | Screw-HH |
| 13 | 33024-00 | 4 | Nut-Lock, NI |
| 14 | 119-4870 | 2 | O-Ring |
| 15 | 121-5009 | 1 | Cap-Valve |
| 16 | 119-4869 | 2 | O-Ring |
| 17 | 117-7922 | 1 | 0-Ring |
| 18 | 117-7992 | 1 | Hosebarb |
| 18:1 | 119-4868 | 1 | O-Ring |




# Valve Assmebly No. 121-5053

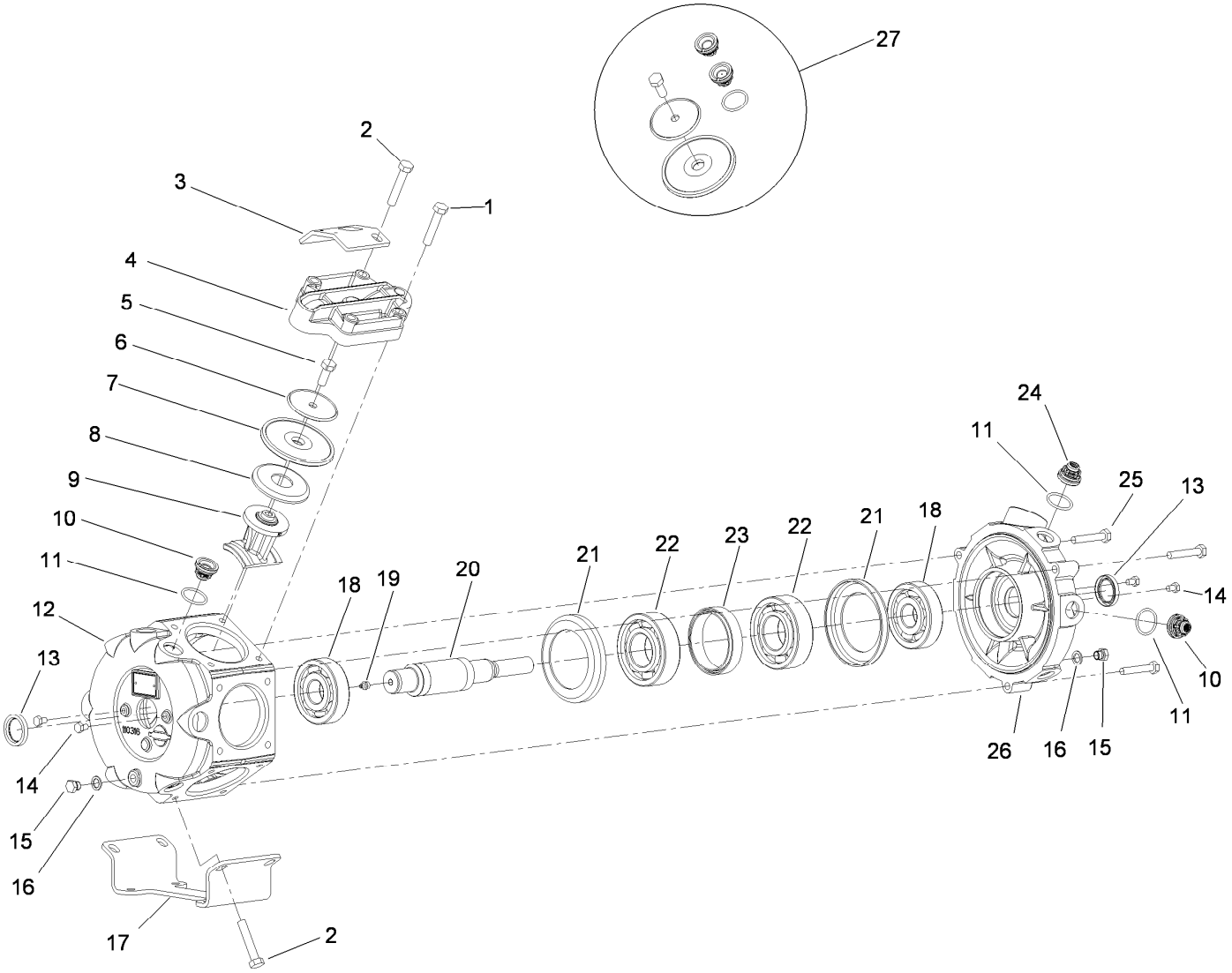
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-9397 | 1 | Motor Valve Cover ASM |
| 2 | 119-4862 | 1 | Fork |
| 3 | 121-5054 | 1 | Piston ASM |
| 3:1 | 121-5057 | 2 | O-Ring, Arag Valve Piston |
| 4 | 121-5056 | 1 | Spring-Piston, Arag Valve |
| 5 | 119-4868 | 1 | O-Ring |




# Manifold Valve W/Bypass Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 121-5101 | 3 | Valve-W/Bypass |
| 1:1 | 119-4901 | 1 | Fork |
| 1:2 | 121-5116 | 1 | Piston-Arag Valve |
| 1:3 | 121-5123 | 1 | O-Ring |
| 2 | 119-0453 | 1 | Adapter-Male-Male |
| 3 | 119-4974 | 5 | O-Ring |
| 4 | 121-5105 | 4 | Valve-Bypass |
| 4:1 | 121-5108 | 1 | Fork |
| 4:2 | 121-5110 | 1 | Fork |
| 4:3 | 121-5114 | 1 | O-Ring |
| 5 | 121-5107 | 1 | Elbow-Hosebarb |

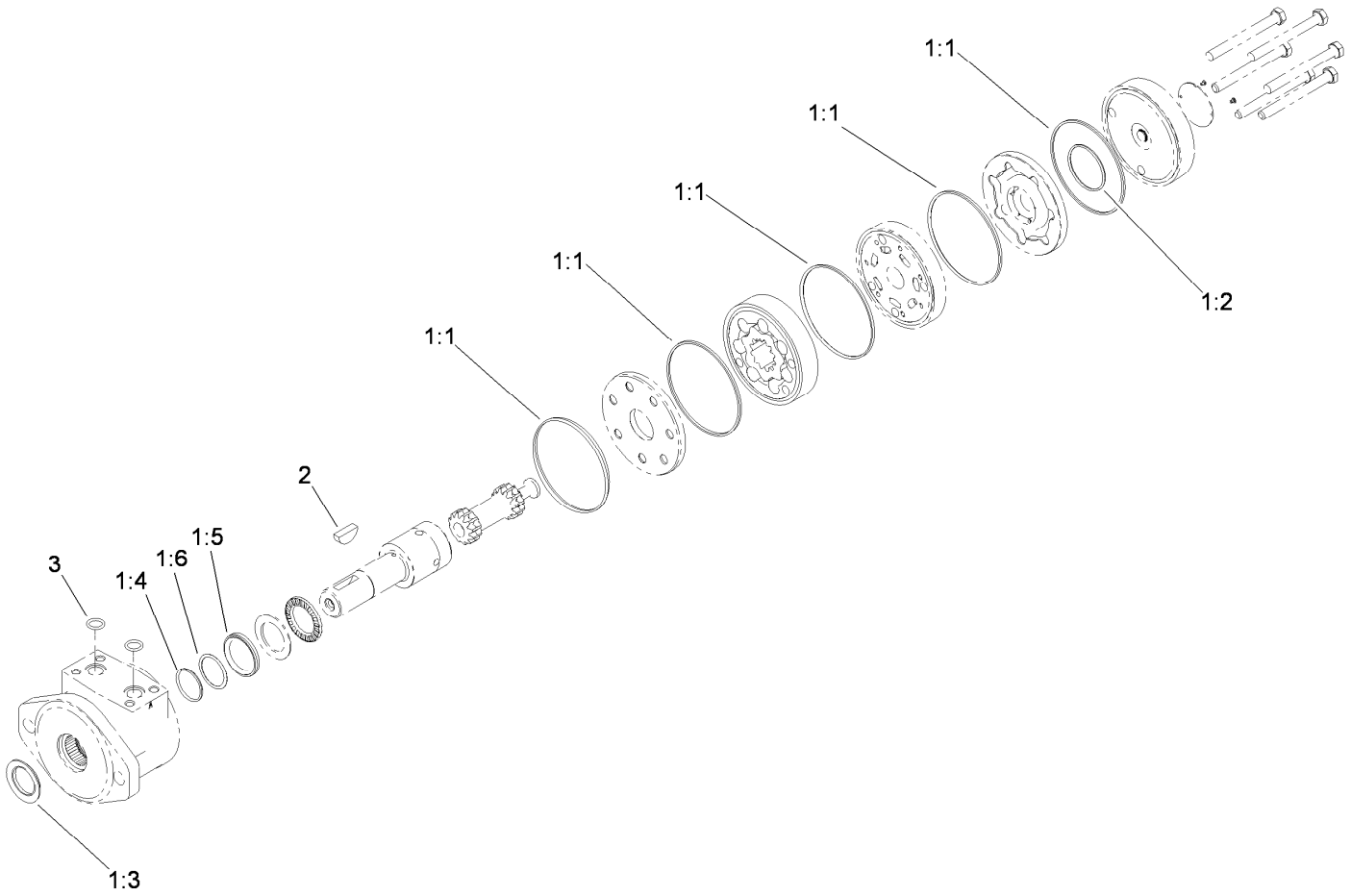
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 6 | 121-5114 | 1 | O-Ring |
| 7 | 121-5102 | 3 | Hosebarb |
| 7:1 | 119-4975 | 1 | O-Ring |
| 8 | 121-5104 | 1 | Flange-Female |
| 9 | 121-5103 | 1 | Port-Pressure Gauge |
| 10 | 121-5109 | 2 | Bracket-Mounting Kit |
| 11 | 121-5106 | 1 | Cap-Bypass Valve |
| 12 | 121-5108 | 1 | Fork |
| 13 | 119-4871 | 2 | Washer |
| 14 | 119-4867 | 4 | Screw-HH |
| 15 | 33024-00 | 4 | Nut-Lock, NI |




# Pump Assembly No. 117-0713

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-0773 | 18 | Bolt-Hex |
| 2 | 120-0774 | 6 | Bolt-Hex |
| 3 | 120-0775 | 1 | Bracket-Pump |
| 4 | 120-0776 | 6 | Cover-Valve |
| 5 | 120-0777 | 6 | Bolt-Hex |
| 6 | 120-0778 | 6 | Disc-Diaphragm |
| 7 | 120-0779 | 6 | Diaphragm |
| 8 | 120-0780 | 6 | Disc-Backing, Diaphragm |
| 9 | 120-0781 | 6 | Rod-Connecting |
| 10 | 99-0861 | 10 | Pump Valve |
| 11 | 100-6651 | 12 | O-Ring |
| 12 | 120-0782 | 1 | Casting-Pump |
| 13 | 120-0783 | 2 | Seal-Oil |
| 14 | 120-0784 | 4 | Bolt-Hex |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 120-0785 | 2 | Plug |
| 16 | 120-0786 | 2 | Seal |
| 17 | 120-0787 | 1 | Foot-Pump |
| 18 | 120-0788 | 2 | Bearing-Ball |
| 19 | 99-0873 | 1 | Fitting-Grease |
| 20 | 120-0789 | 1 | Shaft-Crank |
| 21 | 120-0790 | 2 | Spacer-Metal |
| 22 | 120-0791 | 2 | Bearing-Ball |
| 23 | 120-0792 | 1 | Spacer |
| 24 | 120-0793 | 2 | Valve W/Hole |
| 25 | 120-0794 | 3 | Bolt-Hex |
| 26 | 120-0795 | 1 | Casting-Pump |
| 27 | 120-0796 | 1 | Pump Kit |

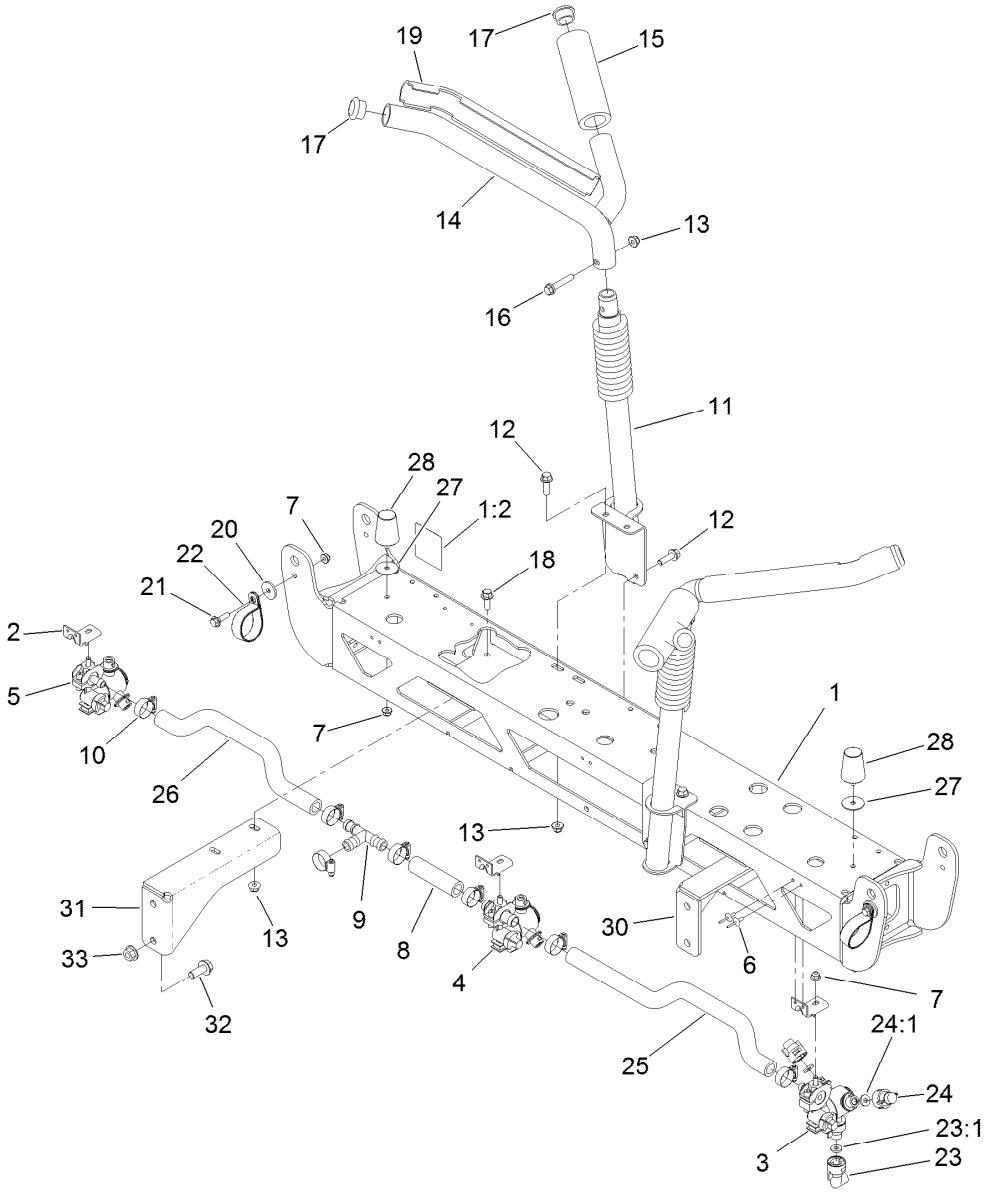



# Hydraulic Motor Assembly No. 117-0706

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

● Not illustrated

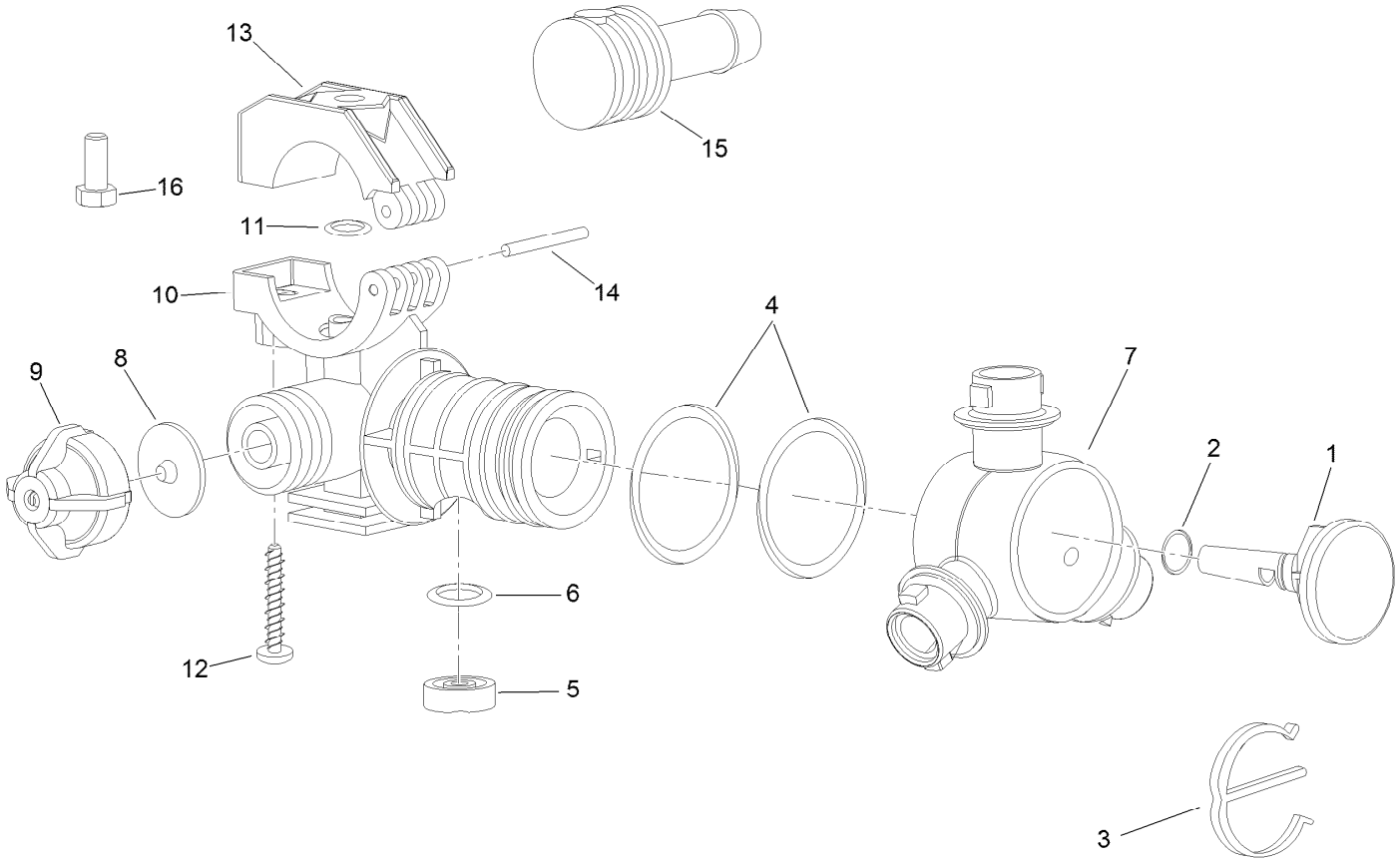
■ Not serviced separately




# Center Boom Mount Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 121-5094 | 1 | Frame ASM |
| 1:2 | 120-0617 | 2 | Decal-Warning, Pinch, Crush |
| 2 | 107-8775 | 3 | Bracket-Mount, Nozzle |
| 3 | 108-3725 | 1 | LH Single Body Turret ASM |
| 4 | 108-3727 | 1 | Double Turret Body ASM |
| 5 | 108-3726 | 1 | RH Single Body Turret ASM |
| 6 | 3269-18 | 6 | Rivet-Pop |
| 7 | 104-8300 | 7 | Nut-Flange, NI |
| 8 | 108-3717 | 1 | Hose-Boom |
| 9 | 108-3439 | 1 | Tee |
| 10 | 2412-129 | 7 | Clamp-Hose |
| 11 | 108-3472-03 | 2 | Lower Cradle ASM |
| 12 | 110-5050 | 6 | Screw-HHF |
| 13 | 104-8301 | 12 | Nut-Flange, NI |
| 14 | 108-3476-03 | 2 | Upper Cradle ASM |
| 15 | 108-3457 | 2 | Spacer |
| 16 | 108-3742 | 2 | Screw-HHF |

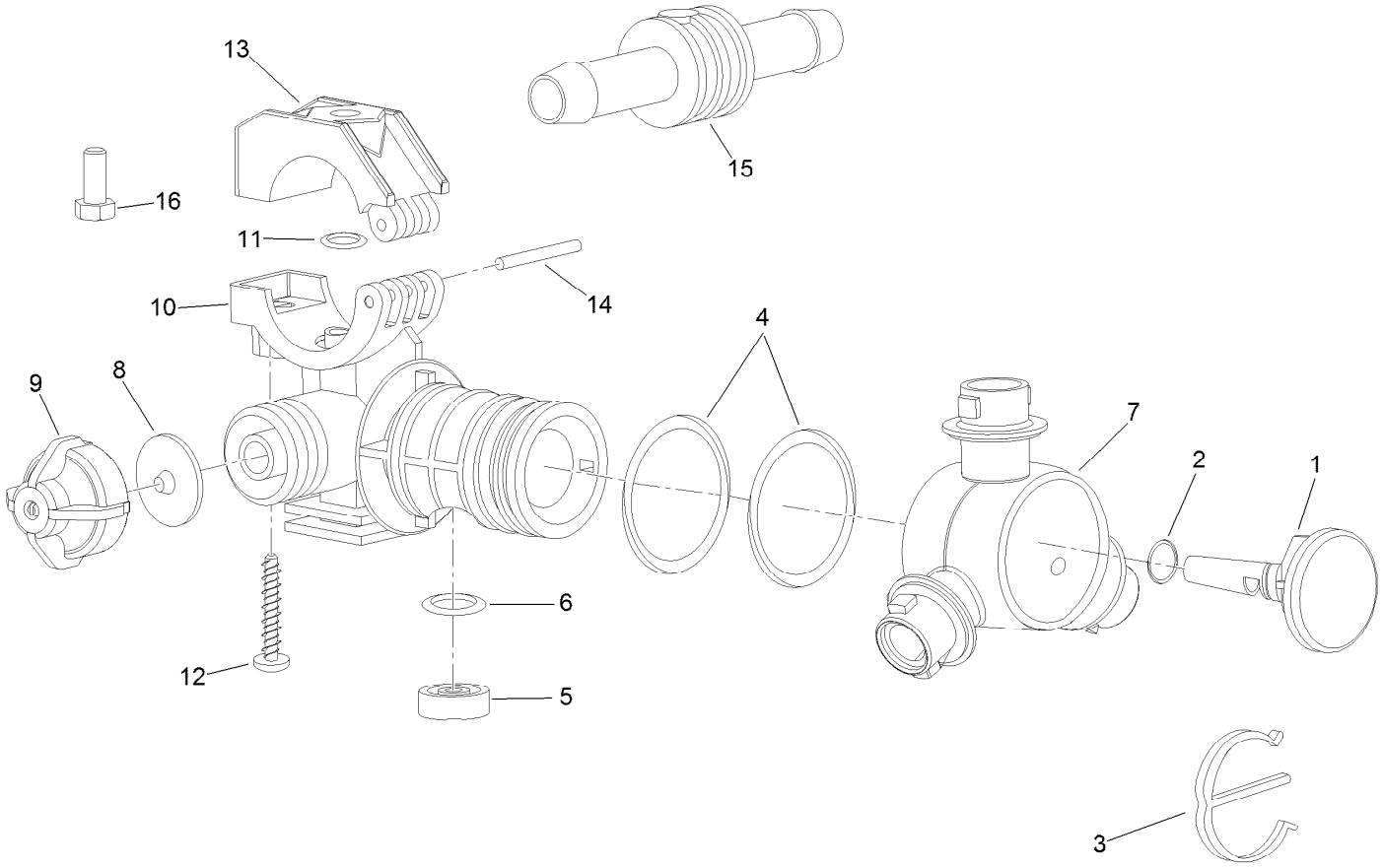
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 108-3489 | 4 | Cap-Tube |
| 18 | 110-5052 | 4 | Screw-HHF |
| 19 | 108-3495 | 2 | Cover-Slide |
| 20 | 108-3743 | 2 | Washer |
| 21 | 108-3744 | 2 | Screw-Shoulder |
| 22 | 114-9566 | 2 | Clamp-R |
| 23 | 95-9186 | 3 | Cap |
| 23:1 | 40998 | 1 | Seat-Gasket |
| 24 | 95-9187 | 6 | Cap-Blank |
| 24:1 | 40998 | 1 | Seat-Gasket |
| 25 | 108-3735 | 1 | Hose-Boom, Center (LH) |
| 26 | 108-3718 | 1 | Hose-Boom, Center (RH) |
| 27 | 3256-68 | 2 | Washer-Flat |
| 28 | 110-5070 | 2 | Bumper |
| 30 | 117-0651-03 | 1 | Bracket-Boom Mount, RH |
| 31 | 117-0652-03 | 1 | Bracket-Boom Mount, LH |
| 32 | 110-5057 | 4 | Capscrew-HHF |
| 33 | 108-3745 | 4 | Nut-HF, Whiz |




# LH Single Turret Body Assembly No. 108-3725

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

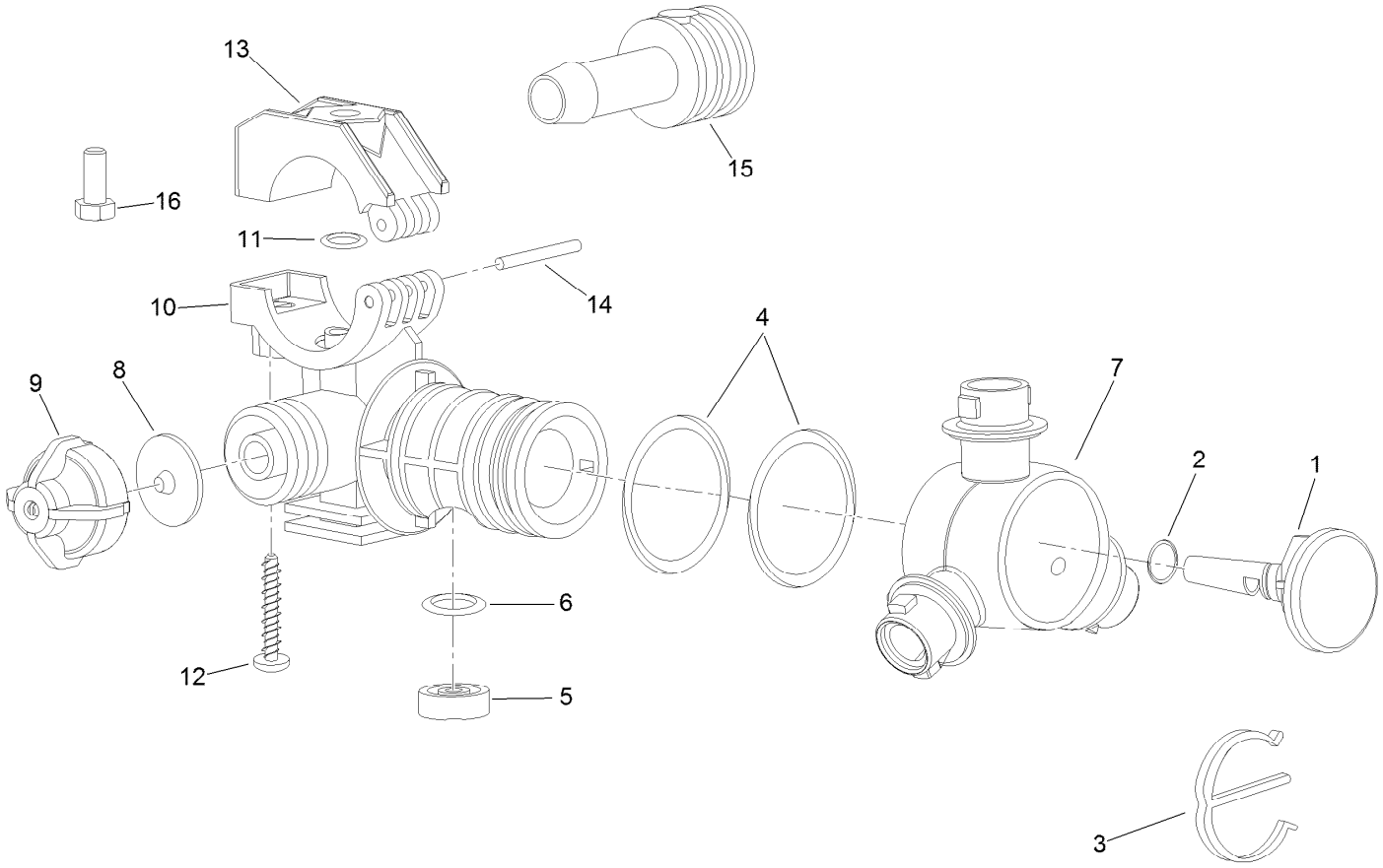
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 9 | 95-9193 | 1 | Cap-Diaphram |
| 10 | 95-9192 | 1 | Body-Split Eyelet |
| 11 | 95-9191 | 1 | O-Ring |
| 12 | 99-0811 | 1 | Screw-Clamp |
| 13 | 99-0812 | 1 | Clamp-Upper |
| 14 | 99-0814 | 1 | Pin-Pivot |
| 15 | 95-9201 | 1 | Shank-Hose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




# Double Turret Body Assembly No. 108-3727

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

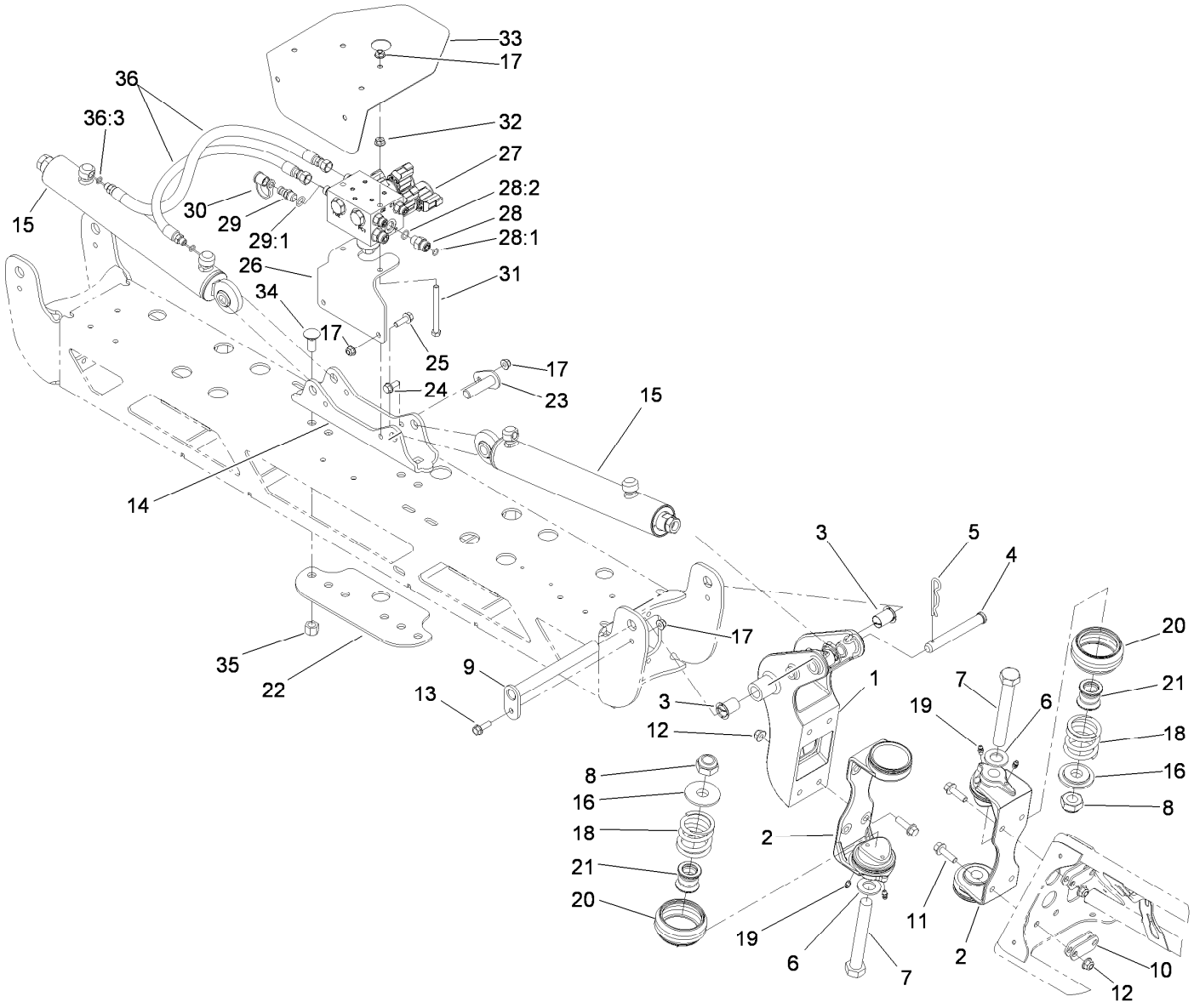
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 9 | 95-9193 | 1 | Cap-Diaphram |
| 10 | 95-9192 | 1 | Body-Split Eyelet |
| 11 | 95-9191 | 1 | O-Ring |
| 12 | 99-0811 | 1 | Screw-Clamp |
| 13 | 99-0812 | 1 | Clamp-Upper |
| 14 | 99-0814 | 1 | Pin-Pivot |
| 15 | 95-9202 | 1 | Shank-Hose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




# RH Single Body Turret Assembly No. 108-3726

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

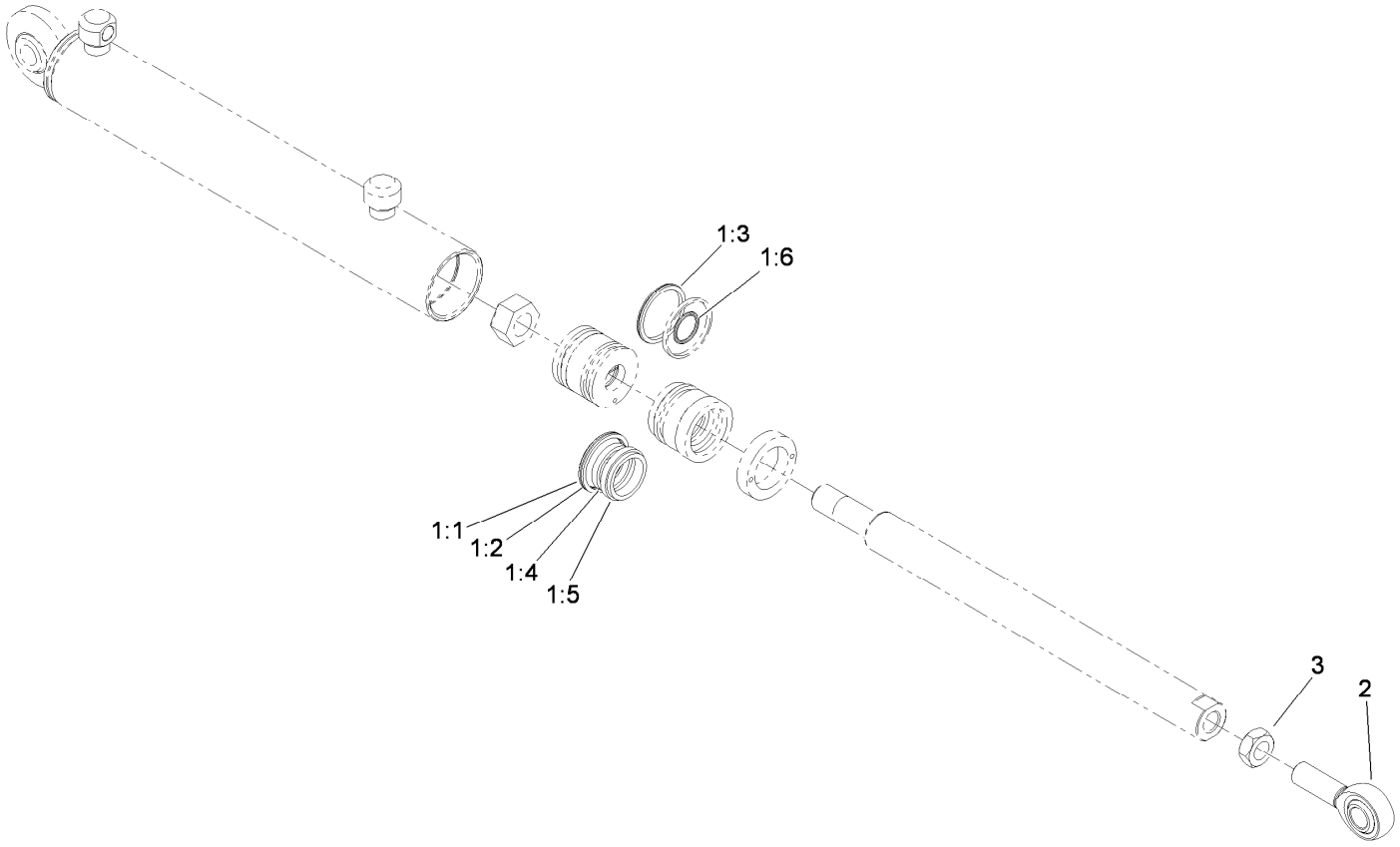
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 9 | 95-9193 | 1 | Cap-Diaphram |
| 10 | 95-9192 | 1 | Body-Split Eyelet |
| 11 | 95-9191 | 1 | O-Ring |
| 12 | 99-0811 | 1 | Screw-Clamp |
| 13 | 99-0812 | 1 | Clamp-Upper |
| 14 | 99-0814 | 1 | Pin-Pivot |
| 15 | 95-9201 | 1 | Shank-Hose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




# Center Boom Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 119-4993-03 | 2 | Bracket-Pivot |
| 2 | 108-3471-03 | 4 | Hinge |
| 3 | 100-8541 | 4 | Bushing-A Arm |
| 4 | 108-3436 | 2 | Pin-Clevis |
| 5 | 3290-468 | 2 | Pin-Cotter |
| 6 | 110-5054 | 4 | Washer-Flat |
| 7 | 108-3738 | 4 | Screw-HH |
| 8 | 3296-15 | 4 | Nut-Lock, NI |
| 9 | 108-3419 | 2 | Pivot Pin ASM |
| 10 | 108-3605 | 8 | Plate-Backing |
| 11 | 110-5050 | 16 | Screw-HHF |
| 12 | 104-8301 | 16 | Nut-Flange, NI |
| 13 | 108-3748 | 2 | Screw-HHF |
| 14 | 119-4856-03 | 1 | Plate-Mount, Cylinders |
| 15 | 117-0701 | 2 | Hydraulic Cylinder ASM |
| 16 | 108-3444 | 4 | Retainer-Spring |
| 17 | 104-8300 | 8 | Nut-Flange, NI |
| 18 | 108-3440 | 4 | Spring-Breakaway, Boom |
| 19 | 302-5 | 8 | Fitting-Grease |
| 20 | 108-3459 | 4 | Boot-Hinge |
| 21 | 120-8541 | 4 | Dampener-Hinge |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 22 | 108-3469-03 | 1 | Plate-Washer |
| 23 | 112-7884 | 2 | Pivot Pin ASM |
| 24 | 110-5053 | 2 | Screw-HHF |
| 25 | 3234-29 | 2 | Screw-HHF |
| 26 | 117-0711-03 | 1 | Plate-Mount, Boom Valve |
| 27 | 117-0702 | 1 | On-Off Boom Lift Valve Assembly |
| 28 | 340-2 | 2 | Fitting-HYD, Straight |
| 28:1 | 237-22 | 1 | O-Ring |
| 28:2 | 237-42 | 1 | O-Ring |
| 29 | 59-7410 | 1 | Fitting-Diagnostic |
| 29:1 | 237-42 | 1 | O-Ring |
| 30 | 354-79 | 1 | Cap-Dust |
| 31 | 322-22 | 2 | Screw-HH |
| 32 | 32128-26 | 2 | Nut-Flange |
| 33 | 120-8527-03 | 1 | Plate-Cover |
| 34 | 110-5067 | 2 | Screw-CARR |
| 35 | 3296-23 | 2 | Nut-Lock, NI |
| 36 | 119-4859 | 4 | Hose ASM |
| 36:3 | 237-78 | 1 | O-Ring |

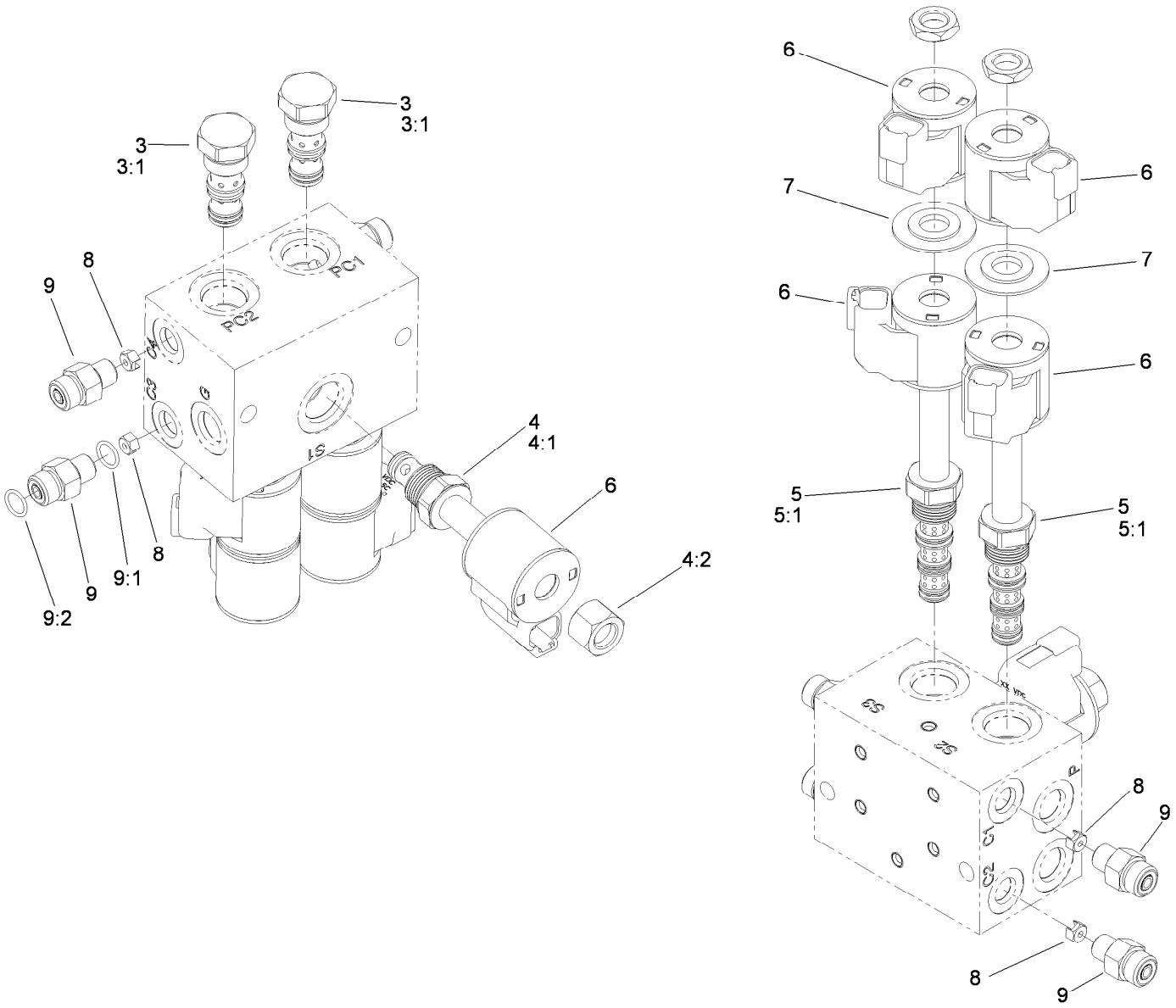



# Hydraulic Cylinder Assembly No. 117-0701

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

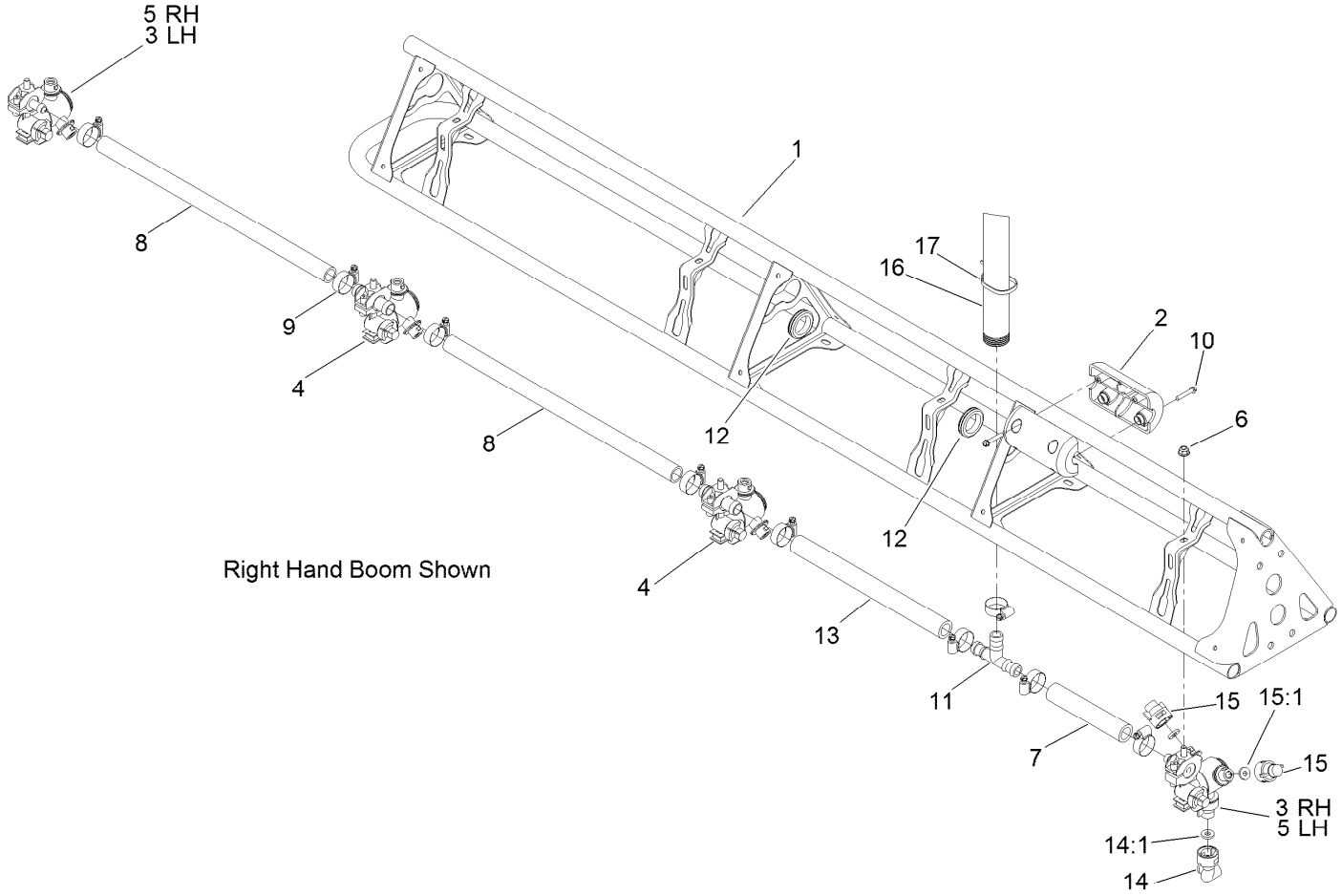
● Not illustrated

■ Not serviced separately




# On-Off Boom Lift Valve No. 117-0702

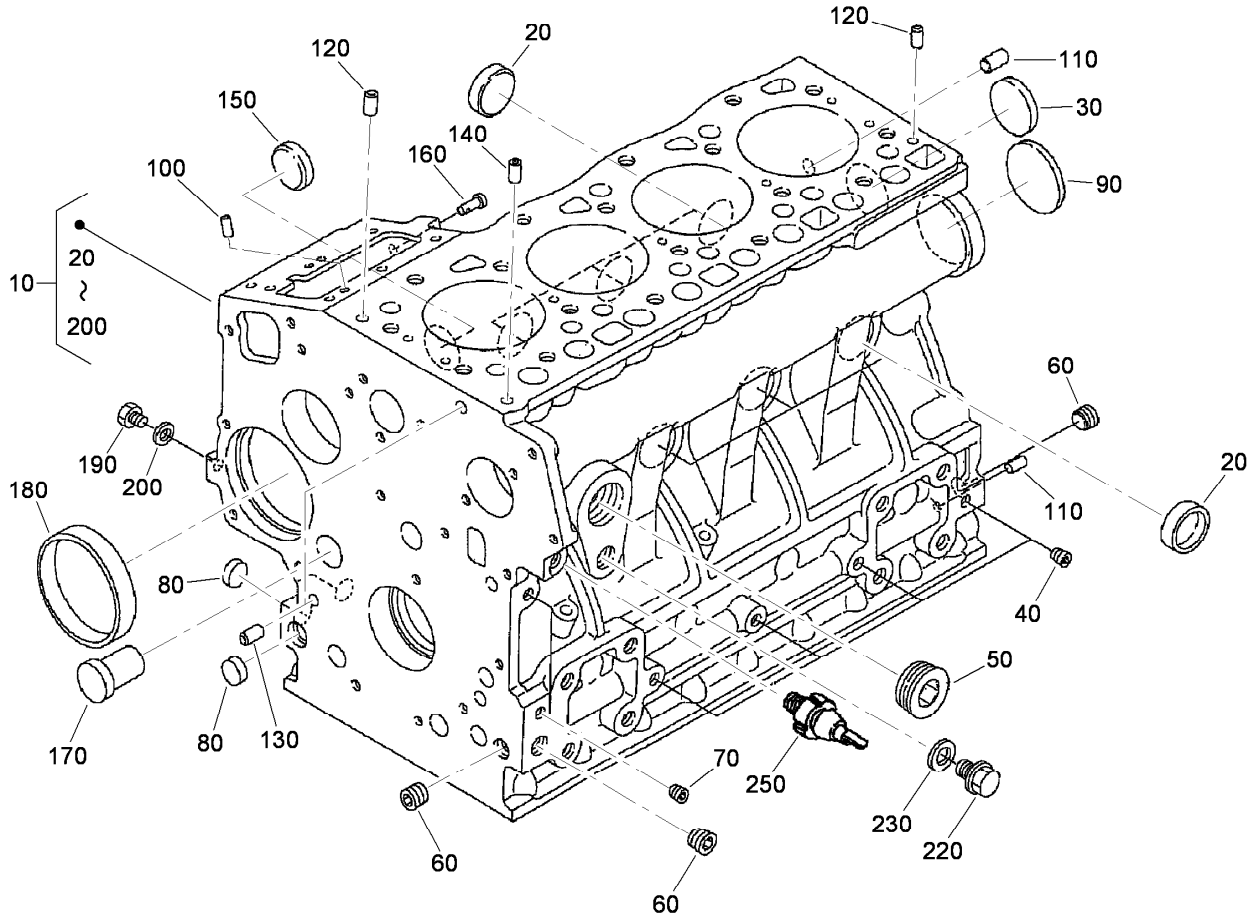
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 3 | 120-2588 | 2 | Valve-Check |
| 3:1 | 120-0886 | 1 | Seal Kit |
| 4 | 107-7517 | 1 | Valve-Solenoid |
| 4:1 | 105-9156 | 1 | Seal Kit |
| 4:2 | 107-7812 | 1 | Nut-Solenoid |
| 5 | 120-2587 | 2 | Valve-Solenoid |
| 5:1 | 112-6520 | 1 | Seal Kit |
| 6 | 119-8036 | 5 | E-Coil,12 Vdc,-08 |
| 7 | 120-2586 | 2 | Spacer-Coil |
| 8 | 120-2585 | 4 | Orifice, .035 |
| 9 | 340-92 | 4 | Fitting-HYD, Straight |
| 9:1 | 237-78 | 1 | O-Ring |
| 9:2 | 237-21 | 1 | O-Ring |




# Left and Right Hand Wing Boom Assembly

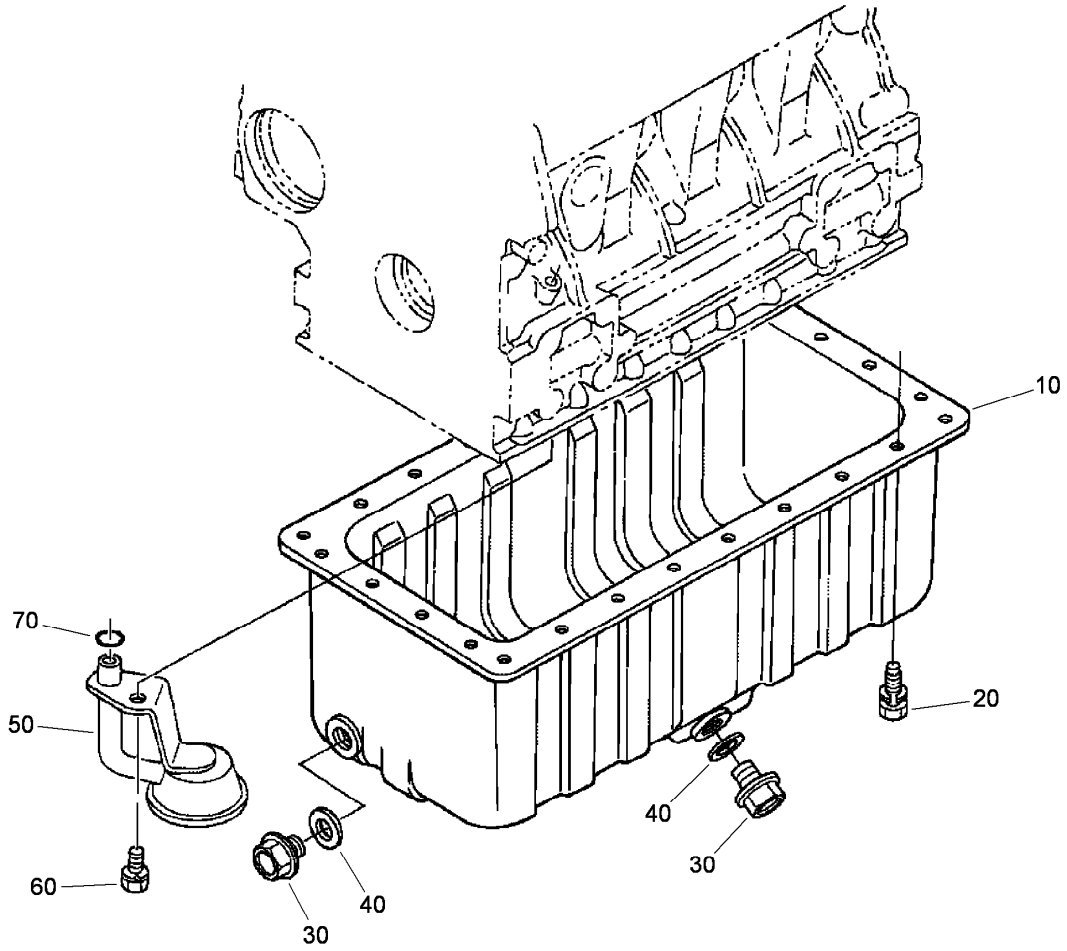
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 108-3524-03 | 1 | RH Boom ASM |
| 1 | 108-3525-03 | 1 | LH Boom ASM |
| 2 | 119-9368 | 4 | Block Slide |
| 3 | 108-3725 | 2 | LH Single Body Turret ASM |
| 4 | 108-3727 | 4 | Double Turret Body ASM |
| 5 | 108-3726 | 2 | RH Single Body Turret ASM |
| 6 | 104-8300 | 8 | Nut-Flange, NI |
| 7 | 108-3728 | 2 | Hose-Boom |
| 8 | 40506 | 4 | Hose-Jumper |
| 9 | 2412-129 | 18 | Clamp-Hose |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 119-9369 | 8 | Screw-Hfh |
| 11 | 108-3439 | 2 | Tee |
| 12 | 240-3 | 4 | Grommet-Rubber |
| 13 | 108-3721 | 2 | Hose-Boom |
| 14 | 95-9186 | 8 | Cap |
| 14:1 | 40998 | 1 | Seat-Gasket |
| 15 | 95-9187 | 16 | Cap-Blank |
| 15:1 | 40998 | 1 | Seat-Gasket |
| 16 | 107-8650 | 2 | Conduit-Convoluted |
| 17 | 3290-378 | 4 | Tie-Cable |



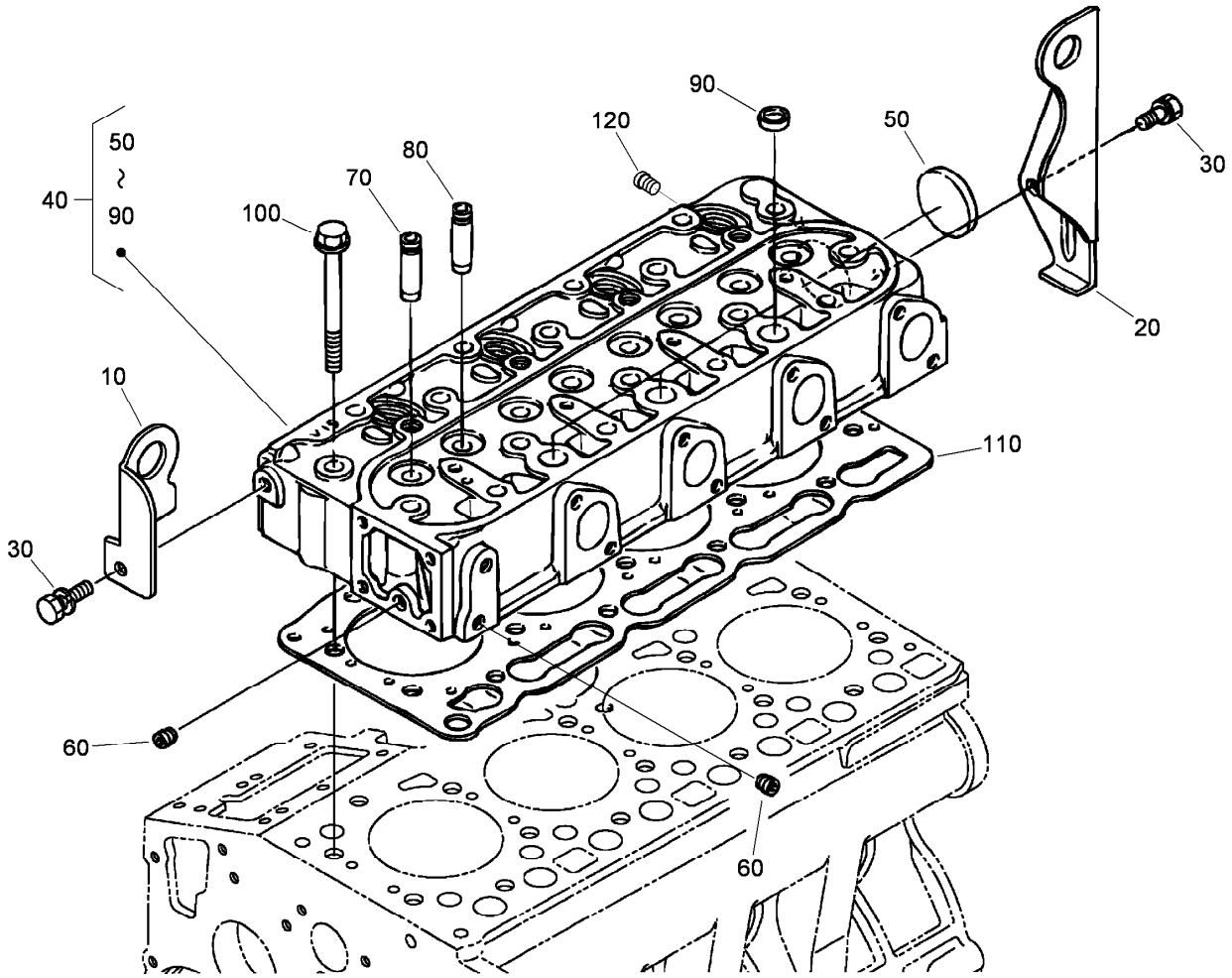

# Crankcase Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 115-4109 | 1 | Crankcase ASM |
| 20 | 98-9398 | 6 | Cap-Sealing |
| 30 | 98-7539 | 1 | Cap-Sealing |
| 40 | 98-9687 | 4 | Plug |
| 50 | 105-3779 | 1 | Plug |
| 60 | 98-9597 | 3 | Plug |
| 70 | 98-7487 | 2 | Plug |
| 80 | 98-9379 | 3 | Plug-Expansion |
| 90 | 98-9668 | 1 | Plug-Expansion |
| 100 | 98-9375 | 2 | Pin-Straight |
| 110 | 98-9377 | 2 | Pin-Straight |
| 120 | 98-9376 | 2 | Pin-Straight |
| 130 | 98-9387 | 2 | Pin-Pipe |
| 140 | 98-9539 | 1 | Pin-Pipe |
| 150 | 98-9599 | 1 | Plug |
| 160 | 105-3796 | 1 | Pin-Spring, Start |
| 170 | 98-9675 | 1 | Plug |
| 180 | 98-9656 | 1 | Bushing-Governor, Gear |
| 190 | 98-7507 | 1 | Plug |
| 200 | 98-7428 | 1 | Gasket |
| 220 | 99-3447 | 1 | Plug |
| 230 | 106-7056 | 1 | Gasket |
| 250 | 98-9416 | 1 | Switch-Oil |



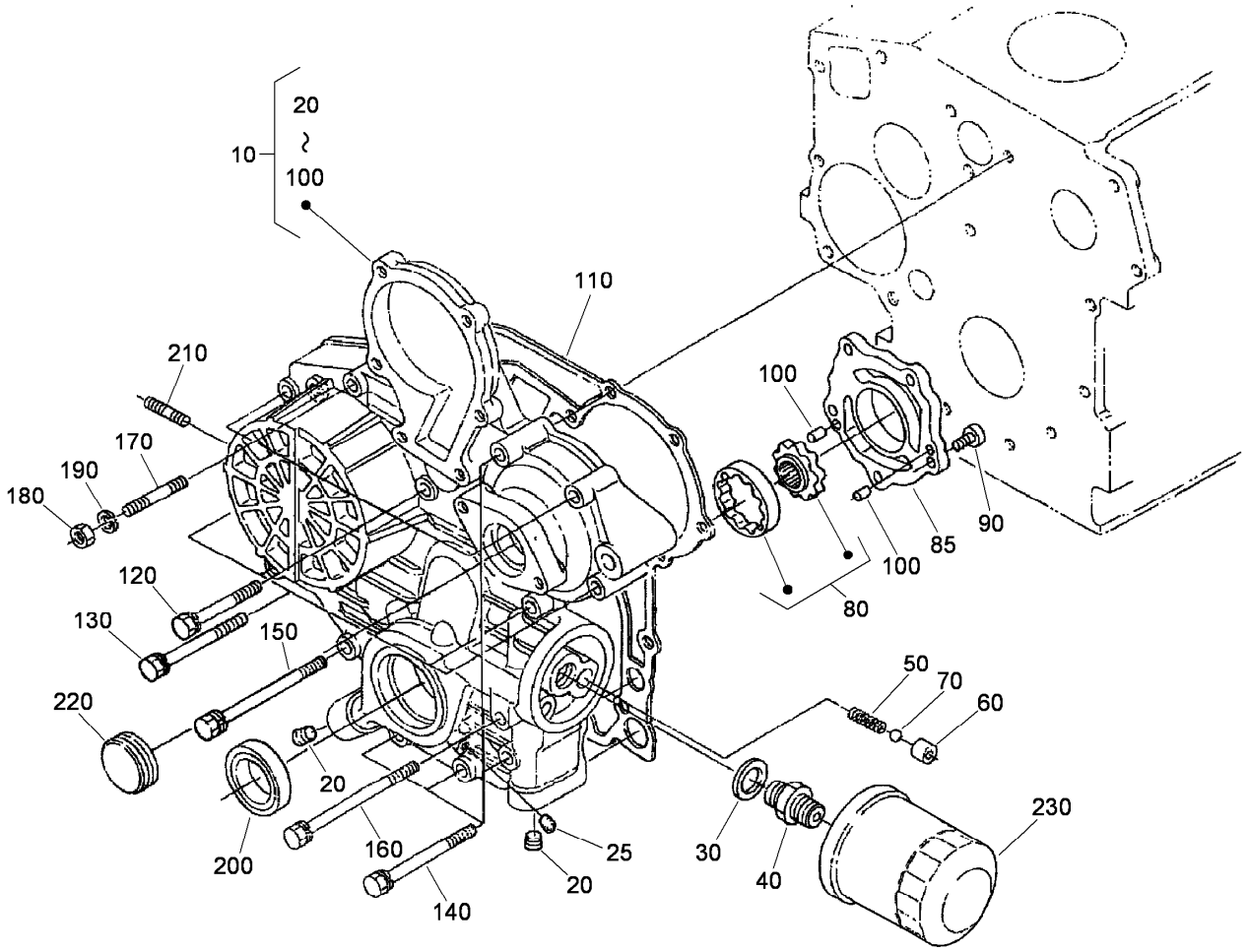

# Oil Pan Assembly

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



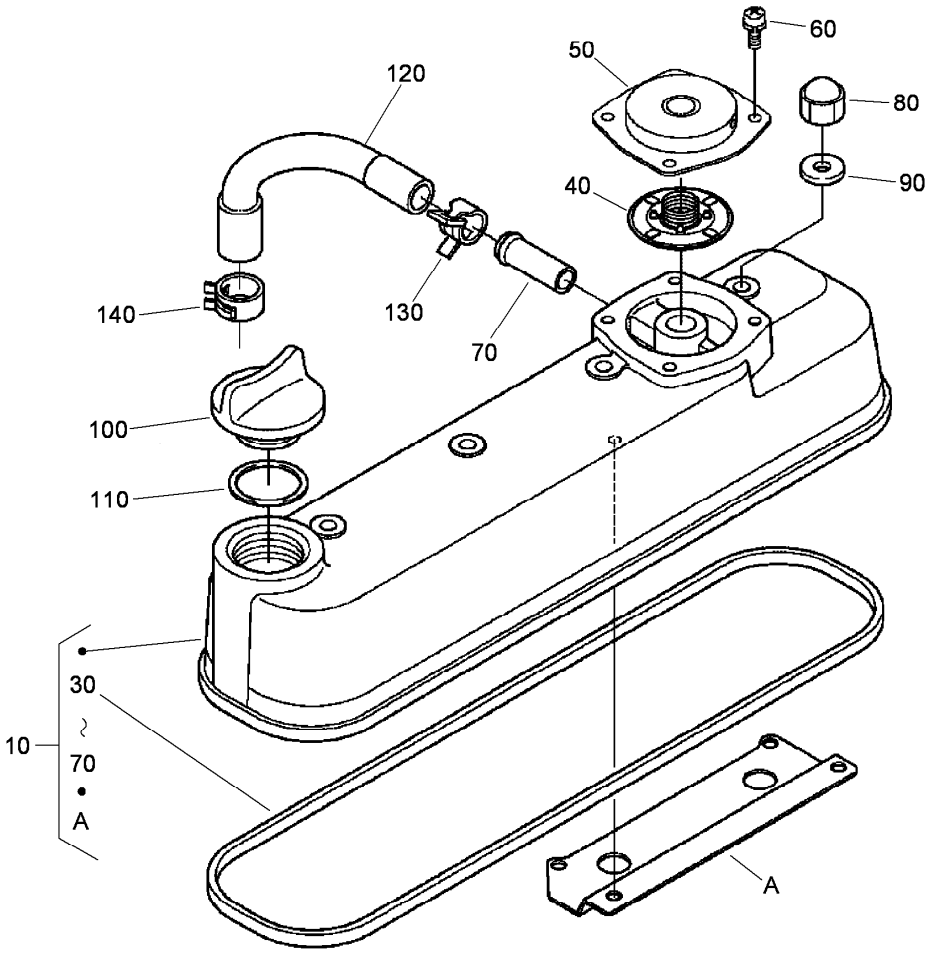

# Cylinder Head Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9477 | 1 | Hook-Engine |
| 20 | 98-9478 | 1 | Hook-Engine |
| 30 | 100-9195 | 2 | Bolt |
| 40 | 115-3012 | 1 | Cylinder Head ASM |
| 50 | 105-3705 | 1 | Cap-Sealing |
| 60 | 98-9687 | 2 | Plug |
| 70 | 107-9066 | 4 | Guide-Valve, Inlet |
| 80 | 107-9067 | 4 | Guide-Valve, Exhaust |
| 90 | 98-9389 | 3 | Cap-Sealing |
| 100 | 98-9479 | 18 | Bolt-Head, Cylinder |
| 110 | 108-2855 | 1 | Gasket-Head, Cylinder |
| 120 | 98-9444 | 1 | Plug |



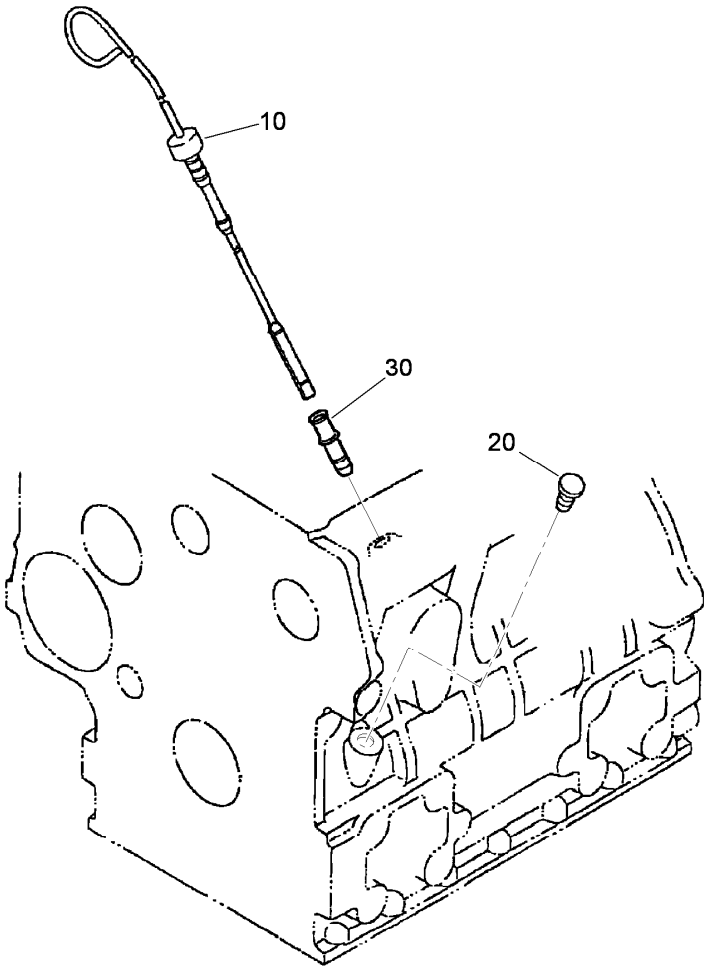

# Gear Case Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 115-4105 | 1 | Gear Case ASM |
| 20 | 98-9598 | 2 | Plug |
| 25 | 98-7487 | 1 | Plug |
| 30 | 98-7562 | 1 | Washer-Plain |
| 40 | 98-9388 | 1 | Joint-Pipe |
| 50 | 98-9544 | 1 | Spring |
| 60 | 98-9543 | 1 | Seat-Valve |
| 70 | 98-9380 | 1 | Ball |
| 80 | 98-9540 | 1 | Oil Pump Rotor ASM |
| 85 | 107-9069 | 1 | Cover-Pump, Oil |
| 90 | 107-9071 | 5 | Screw |
| 100 | 107-9072 | 2 | Pin-Straight |
| 110 | 98-9633 | 1 | Gasket-Case, Gear |
| 120 | 107-9073 | 3 | Bolt |
| 130 | 105-3797 | 4 | Bolt |
| 140 | 98-9356 | 4 | Bolt |
| 150 | 107-9074 | 1 | Bolt |
| 160 | 98-9586 | 1 | Bolt |
| 170 | 105-3709 | 1 | Stud |
| 180 | 98-7572 | 1 | Nut |
| 190 | 98-7699 | 1 | Washer-Spring |
| 200 | 98-9482 | 1 | Seal-Oil |
| 210 | 105-3710 | 2 | Stud |
| 220 | 98-9641 | 1 | Cover-Case, Gear |
| 230 | 108-3841 | 1 | Filter-Oil |



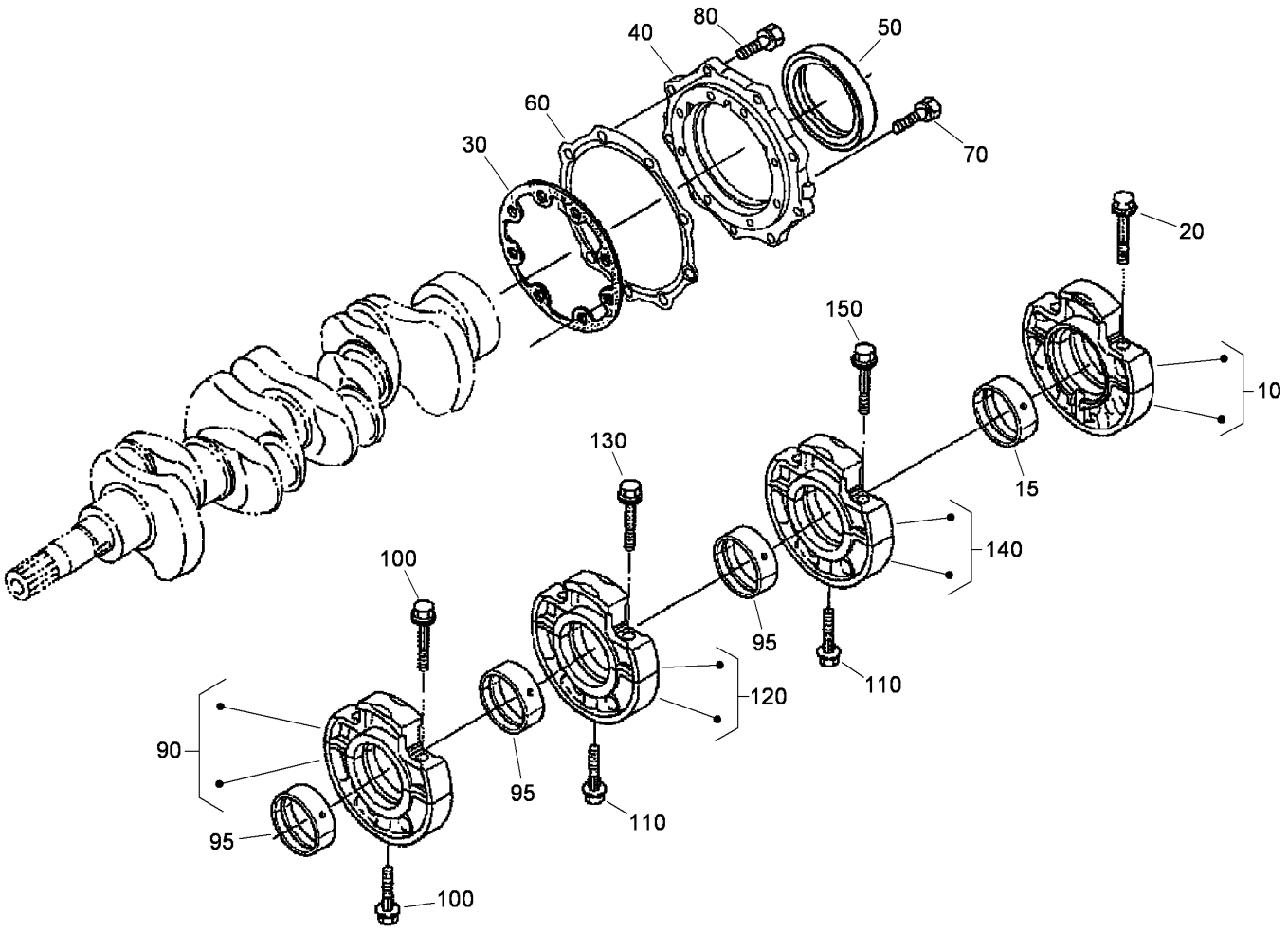

# Cylinder Head Cover Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 115-3038 | 1 | Cylinder Head Cover ASM |
| 30 | 105-3712 | 1 | Gasket-Cover, Head |
| 40 | 108-2861 | 1 | Breather Valve ASM |
| 50 | 108-2862 | 1 | Cover-Breather |
| 60 | 98-9364 | 4 | Screw (With Washer) |
| 70 | 98-7766 | 1 | Pipe-Return, Water |
| 80 | 98-9455 | 4 | Nut-Cap |
| 90 | 98-9454 | 4 | Gasket |
| 100 | 107-9075 | 1 | Plug-Filler, Oil |
| 110 | 99-3446 | 1 | O-Ring |
| 120 | 108-2858 | 1 | Tube-Breather |
| 130 | 108-2859 | 1 | Clamp-Hose |
| 140 | 108-2860 | 1 | Clamp-Hose |



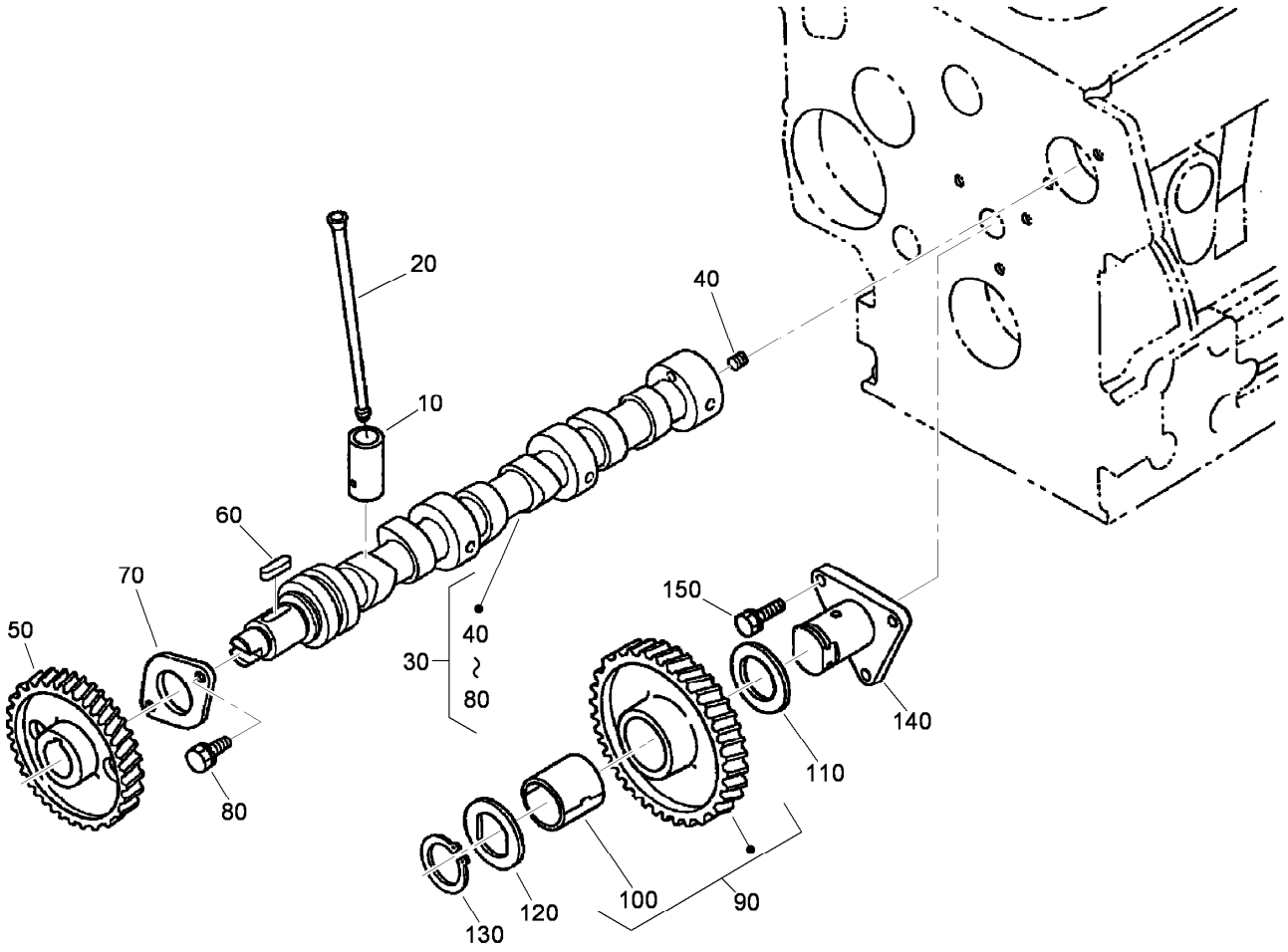

# Dipstick and Guide Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3714 | 1 | Gauge-Oil |
| 20 | 110-3720 | 1 | Plug-Gauge, Oil |
| 30 | 105-4580 | 1 | Guide-Gauge, Oil |



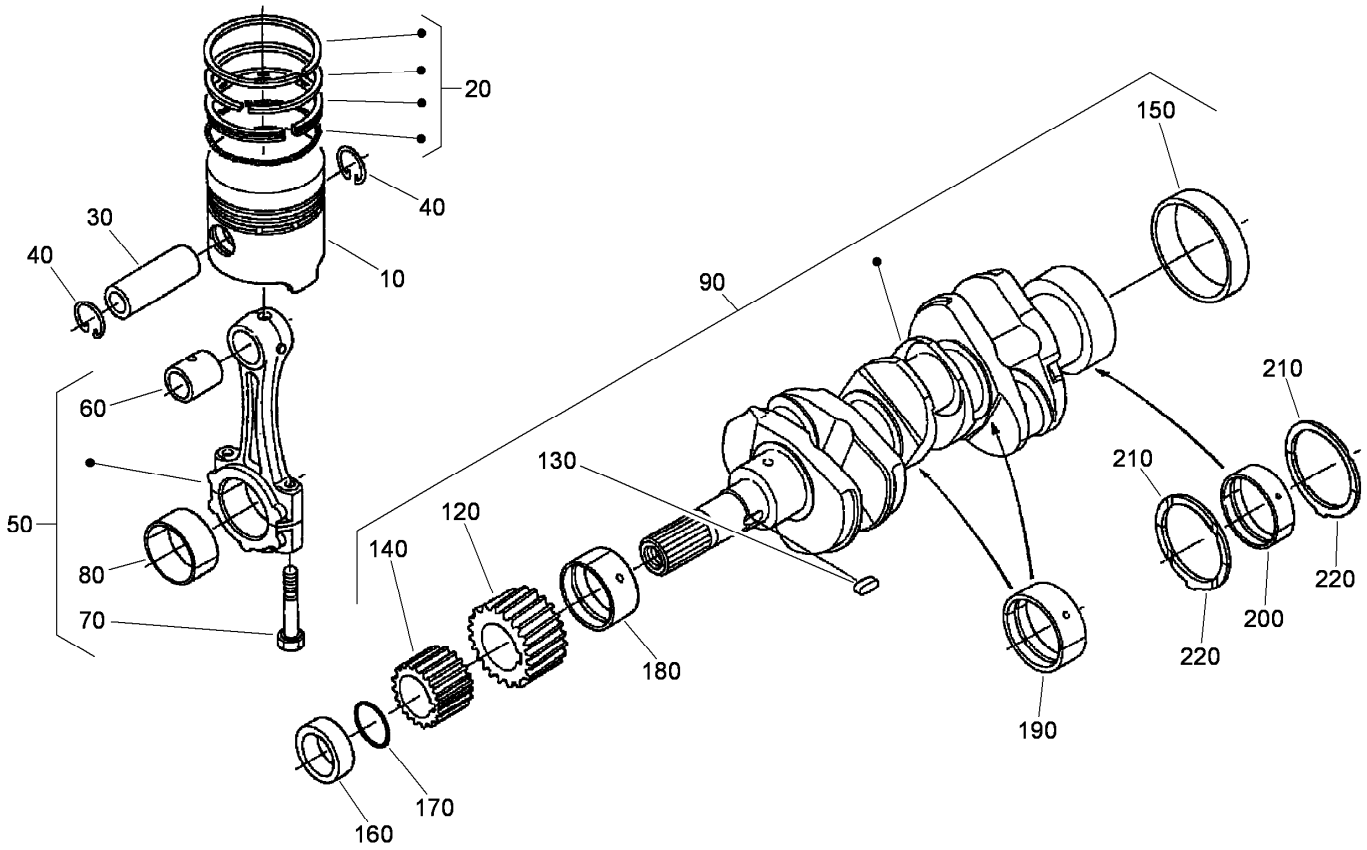

# Main Bearing Case Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 112-7026 | 1 | Wheel Bearing Case ASM |
| 15 | 112-7045 | 1 | Metal-Crankshaft |
| 20 | 98-9484 | 2 | Bolt-Case, Bearing |
| 30 | 98-9634 | 1 | Gasket-Case, Bearing |
| 40 | 112-7046 | 1 | Cover-Case, Bearing |
| 50 | 112-0180 | 1 | Seal-Oil |
| 60 | 112-7037 | 1 | Gasket-Cover, Case |
| 70 | 98-9352 | 8 | Bolt |
| 80 | 98-7568 | 9 | Bolt |
| 90 | 115-4106 | 1 | Main Bearing Case ASM |
| 95 | 98-9524 | 1 | Metal-Crankshaft (STD Set) |
| 100 | 98-9484 | 2 | Bolt-Case, Bearing |
| 110 | 98-9485 | 3 | Bolt-Case, Bearing |
| 120 | 115-4107 | 1 | Main Bearing Case ASM |
| 130 | 98-9484 | 2 | Bolt-Case, Bearing |
| 140 | 115-4108 | 1 | Main Bearing Case ASM |
| 150 | 98-9484 | 2 | Bolt-Case, Bearing |




# Cam Shaft and Idle Gear Assembly

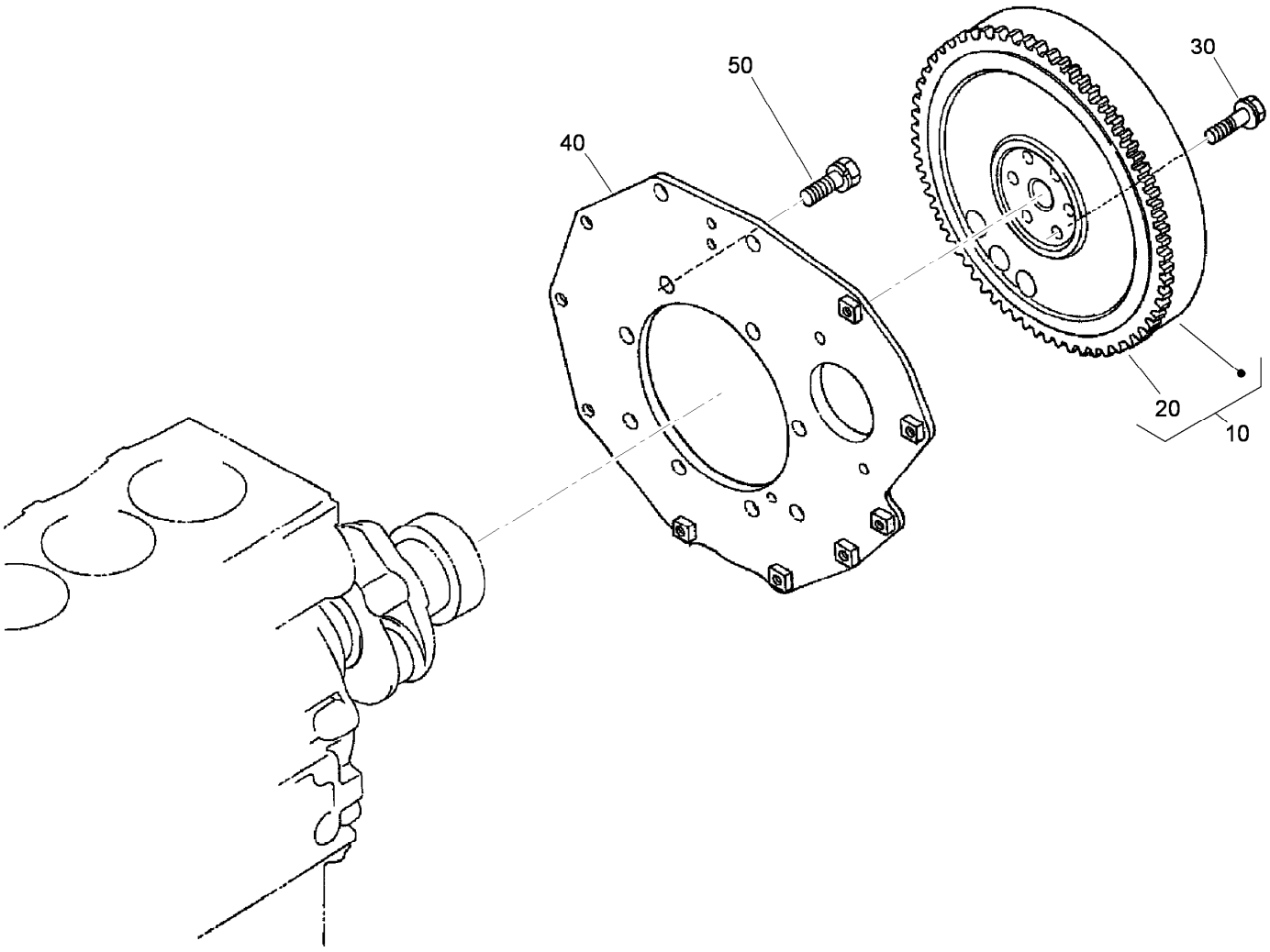
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 112-0185 | 8 | Tappet |
| 20 | 98-9509 | 8 | Rod-Push |
| 30 | 108-2865 | 1 | Camshaft ASM |
| 40 | 98-7449 | 1 | Screw-Set |
| 50 | 98-9512 | 1 | Gear-Cam |
| 60 | 98-9378 | 1 | Key-Feather |
| 70 | 98-9510 | 1 | Stopper-Camshaft |
| 80 | 98-7692 | 2 | Bolt |
| 90 | 98-9649 | 1 | Idle Gear ASM |
| 100 | 98-9650 | 1 | Bushing-Gear, Idle |
| 110 | 98-9535 | 1 | Collar-Gear, Idle |
| 120 | 98-9536 | 1 | Collar-Gear, Idle |
| 130 | 98-9534 | 1 | Circlip-Gear, Idle |
| 140 | 98-9533 | 1 | Shaft-Gear, Idle |
| 150 | 98-7692 | 3 | Bolt |




# Piston and Crankshaft Assembly

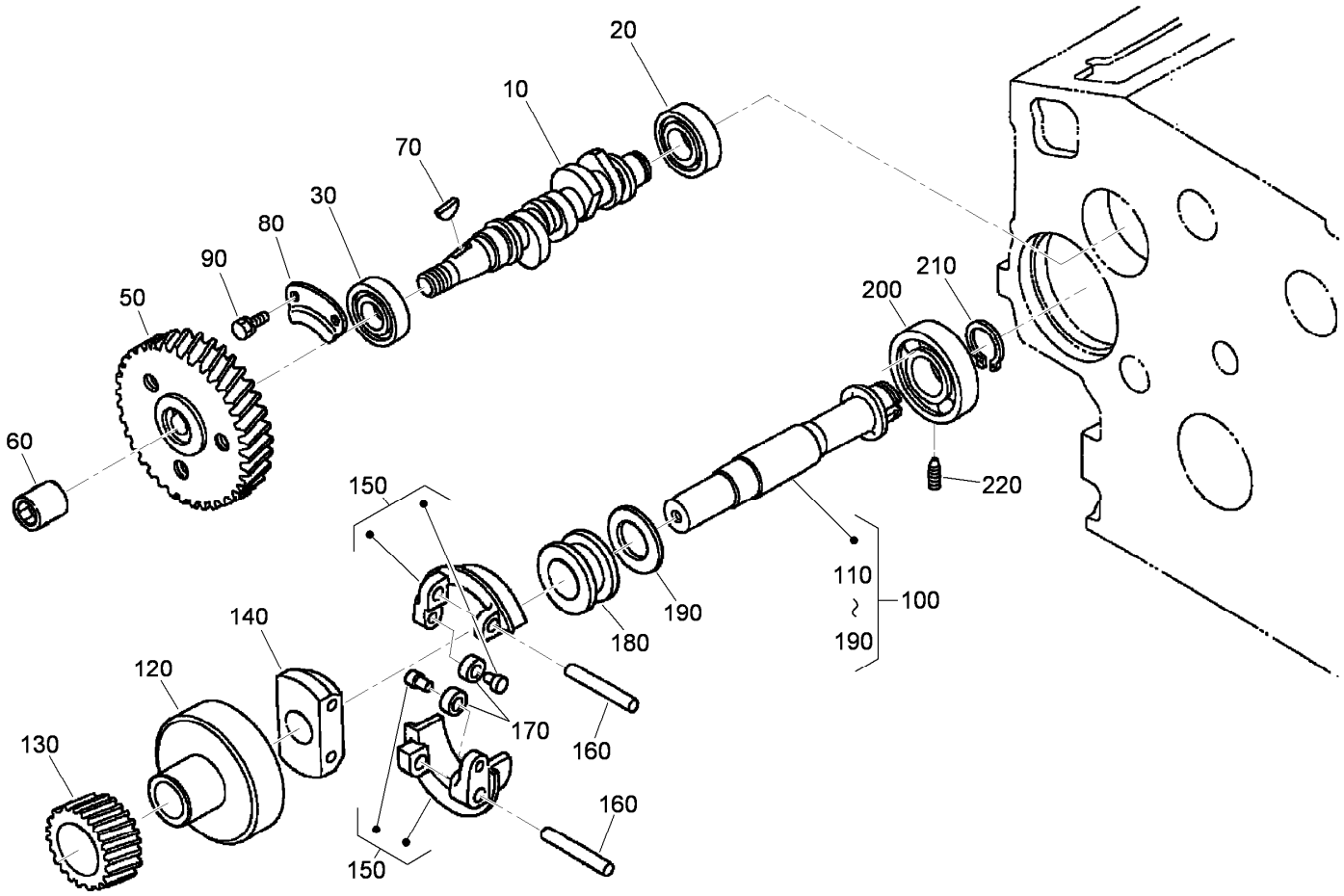
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 112-8404 | 4 | Piston (STD) |
| 10 | 112-8414 | 4 | Piston (+0.5Mm) |
| 20 | 98-9551 | 4 | Piston Ring ASM (STD) |
| 20 | 108-1404 | 4 | Piston Ring ASM (0.5Mm) |
| 30 | 98-9513 | 4 | Pin-Piston |
| 40 | 98-9514 | 8 | Circlip-Pin, Piston |
| 50 | 115-3013 | 4 | Connecting Rod ASM |
| 60 | 115-3014 | 4 | Bushing-Pin, Piston |
| 70 | 98-9517 | 8 | Bolt-Rod, Connecting |
| 80 | 98-9518 | 4 | Metal-Crankpin (STD) |
| 80 | 98-9519 | 4 | Bearing-Rod (0.2Mm) |
| 80 | 98-9520 | 4 | Bearing-Rod (0.4Mm) |
| 90 | 105-3718 | 1 | Crankshaft ASM |
| 120 | 98-9532 | 1 | Gear-Crankshaft |
| 130 | 98-9666 | 1 | Key |
| 140 | 98-9542 | 1 | Gear-Drive, Oil Pump |
| 150 | 98-9522 | 1 | Sleeve-Crankshaft |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 160 | 98-9521 | 1 | Collar-Crankshaft |
| 170 | 105-3783 | 1 | O-Ring |
| 180 | 98-9523 | 1 | Metal Crankshaft (STD) |
| 180 | 98-9528 | 1 | Bearing-Main (0.2Mm) |
| 180 | 98-9529 | 1 | Bearing-Main (0.4Mm) |
| 190 | 98-9524 | 3 | Metal-Crankshaft (STD Set) |
| 190 | 98-9530 | 3 | Bearing-Main (0.2Mm) |
| 190 | 98-9531 | 3 | Bearing-Main (0.4Mm) |
| 200 | 112-7045 | 1 | Metal-Crankshaft |
| 200 | 112-7039 | 1 | Metal-Crankshaft (0.2Mm) |
| 200 | 112-7040 | 1 | Metal-Crankshaft (-0.4Mm) |
| 210 | 98-9413 | 2 | Bearing-Thrust (STD) |
| 210 | 98-9414 | 2 | Bearing-Thrust (0.2Mm) |
| 210 | 98-9415 | 2 | Bearing-Thrust (0.4Mm) |
| 220 | 98-9688 | 2 | Bearing-Thrust (STD) |
| 220 | 98-9689 | 2 | Bearing-Thrust (0.2Mm) |
| 220 | 98-9690 | 2 | Bearing-Thrust (0.4Mm) |



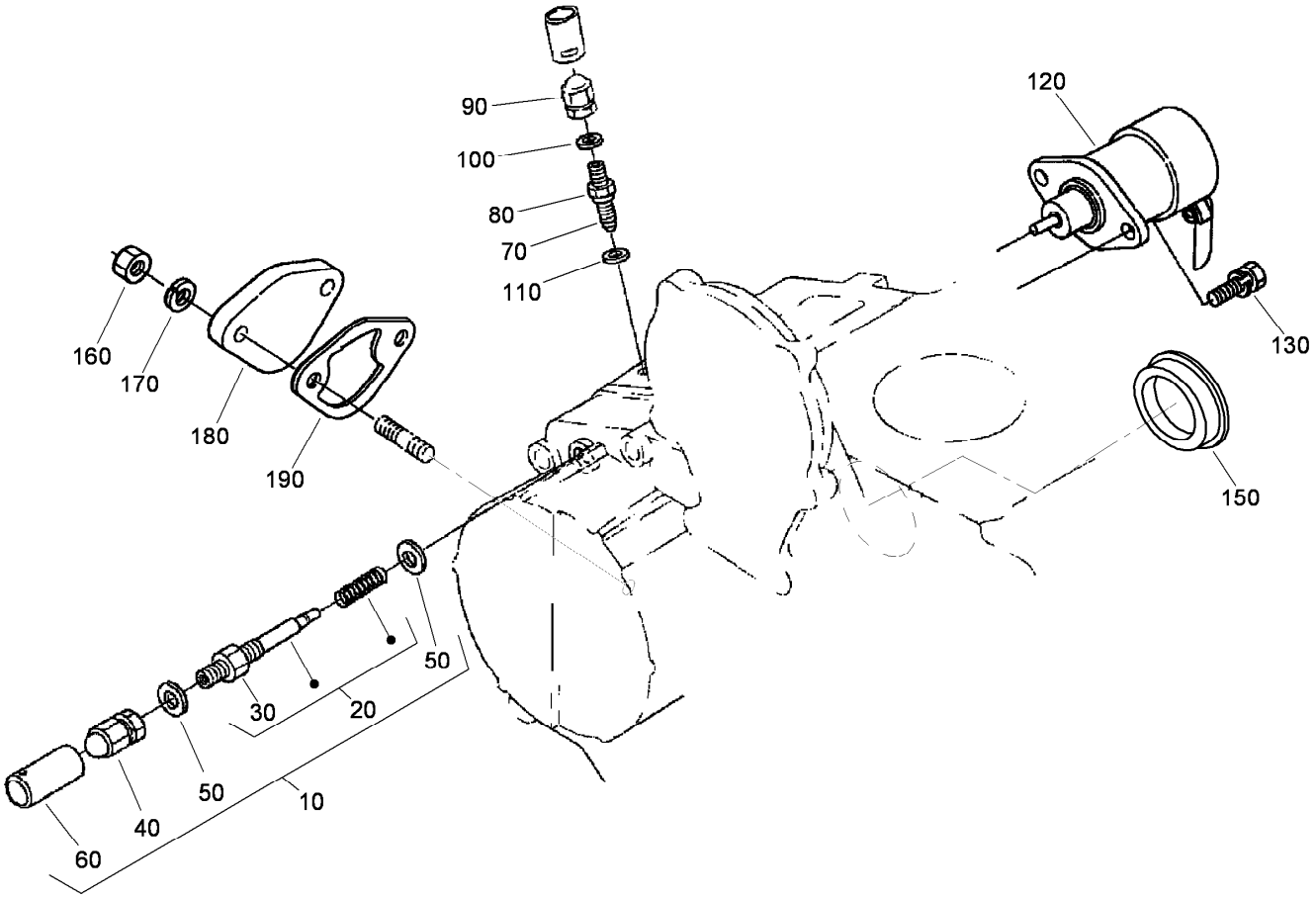

# Flywheel Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3721 | 1 | Flywheel ASM |
| 20 | 115-3015 | 1 | Gear-Ring |
| 30 | 98-9537 | 6 | Bolt-Flywheel |
| 40 | 98-9486 | 1 | Plate-End, Rear |
| 50 | 98-9392 | 8 | Bolt |



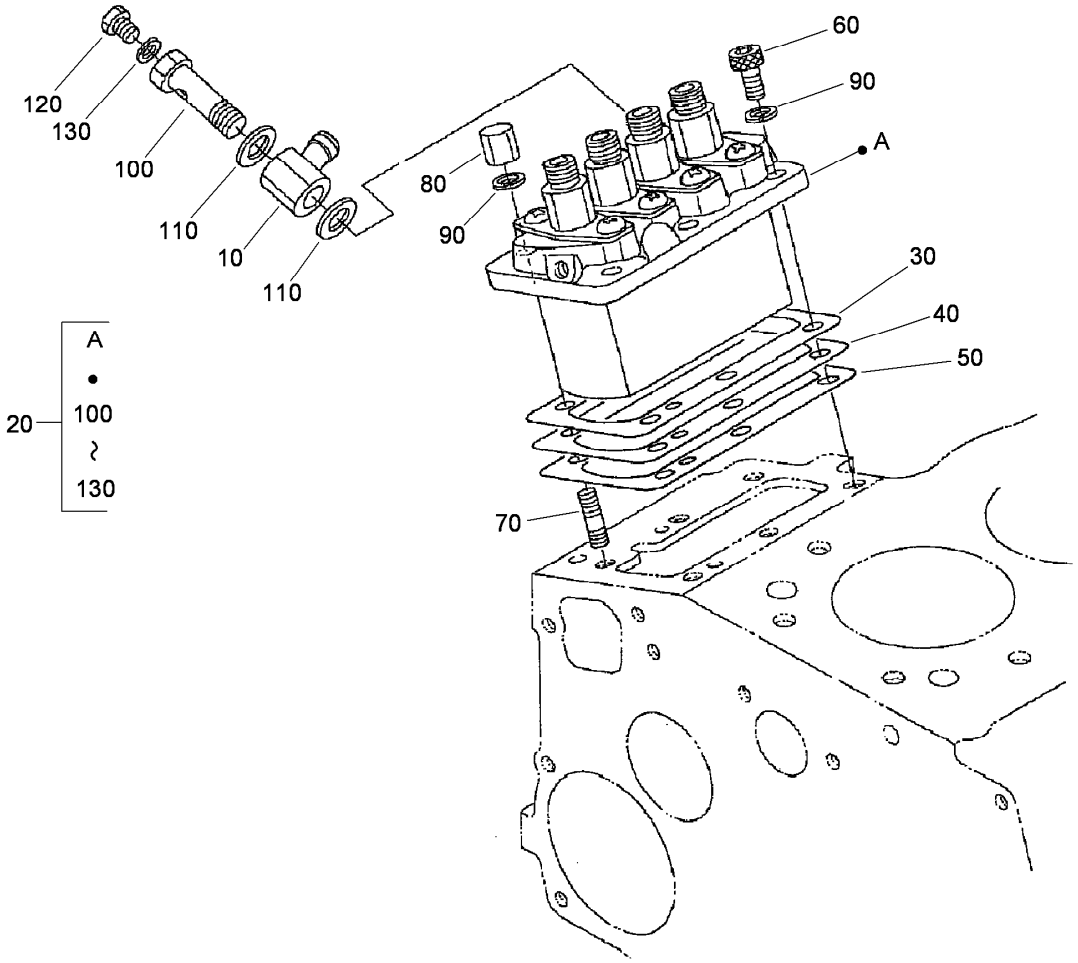

# Fuel Camshaft and Governor Shaft Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3723 | 1 | Camshaft-Fuel |
| 20 | 107-9077 | 1 | Bearing-Ball |
| 30 | 107-9078 | 1 | Bearing-Ball |
| 50 | 98-9669 | 1 | Gear-Pump, Injection |
| 60 | 98-9590 | 1 | Nut-Cap |
| 70 | 98-9595 | 1 | Key-Woodruff |
| 80 | 98-9511 | 1 | Stopper-Fuel, Camshaft |
| 90 | 98-7692 | 2 | Bolt |
| 100 | 105-3724 | 1 | Governor Shaft ASM |
| 110 | 105-3725 | 1 | Shaft, Governor |
| 120 | 98-9562 | 1 | Holder-Gear, Governor |
| 130 | 98-9673 | 1 | Gear-Governor |
| 140 | 98-9561 | 1 | Holder-Weight, Governor |
| 150 | 98-9559 | 2 | Governor Weight ASM |
| 160 | 98-9560 | 2 | Shaft-Weight, Governor |
| 170 | 98-9692 | 2 | Roller |
| 180 | 98-9563 | 1 | Sleeve-Governor |
| 190 | 98-9564 | 1 | Washer-Thrust |
| 200 | 107-9079 | 1 | Bearing-Ball |
| 210 | 98-9657 | 1 | Circlip-Shaft, Governor |
| 220 | 98-9565 | 1 | Screw-Set |



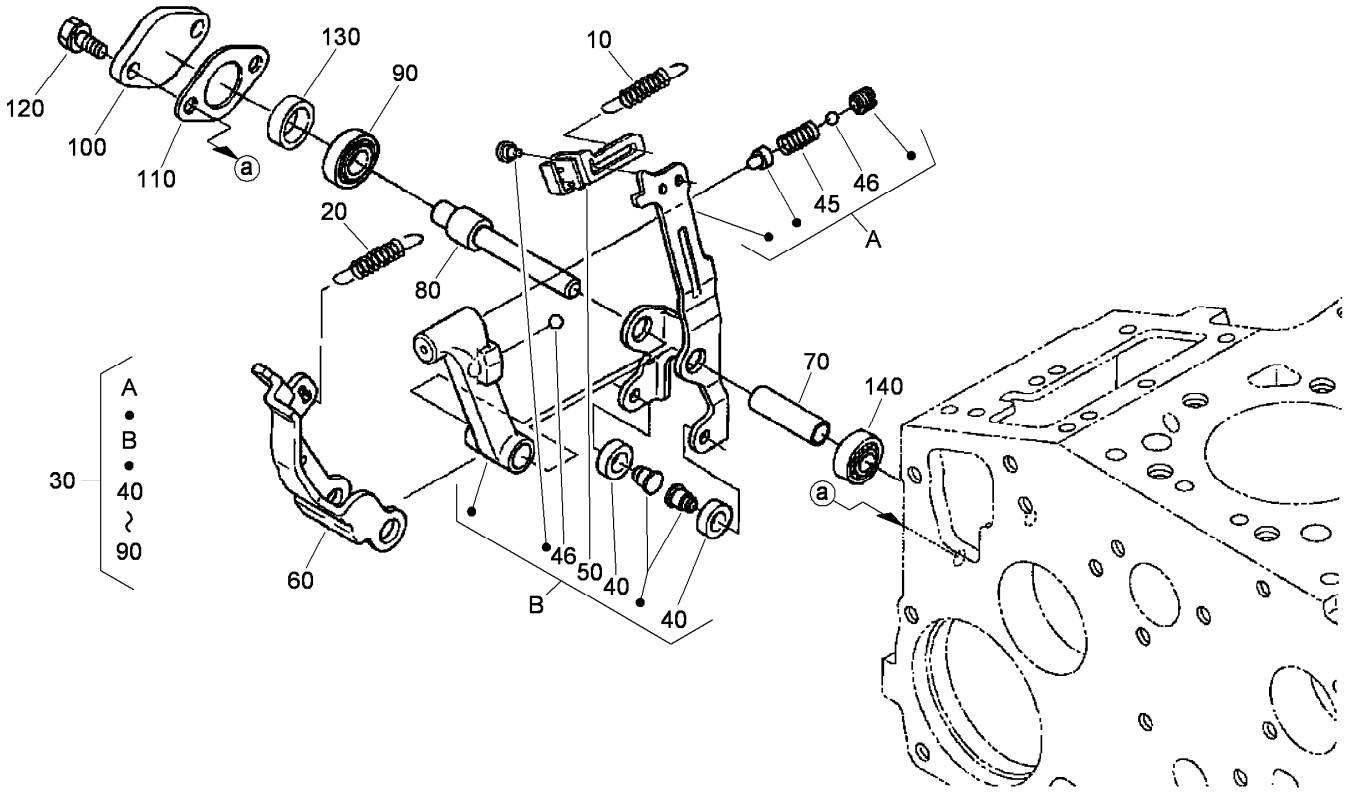

# Idle Apparatus Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9678 | 1 | Idle Apparatus ASM |
| 20 | 112-7014 | 1 | Adjusting Bolt ASM |
| 30 | 98-9439 | 1 | Nut |
| 40 | 112-0181 | 1 | Nut |
| 50 | 98-7654 | 2 | Gasket |
| 60 | 98-7656 | 1 | Cap |
| 70 | 112-7015 | 1 | Bolt-Adjusting |
| 80 | 99-3512 | 1 | Nut |
| 90 | 112-0181 | 1 | Nut |
| 100 | 98-7654 | 1 | Gasket |
| 110 | 107-9081 | 1 | Gasket |
| 120 | 104-5155 | 1 | Solenoid-Stop |
| 130 | 115-3039 | 2 | Bolt-HSH |
| 150 | 112-7016 | 1 | Cover-Pump |
| 160 | 98-7572 | 2 | Nut |
| 170 | 98-7699 | 2 | Washer-Spring |
| 180 | 99-3514 | 1 | Cover |
| 190 | 98-9636 | 1 | Gasket-Pump, Fuel |



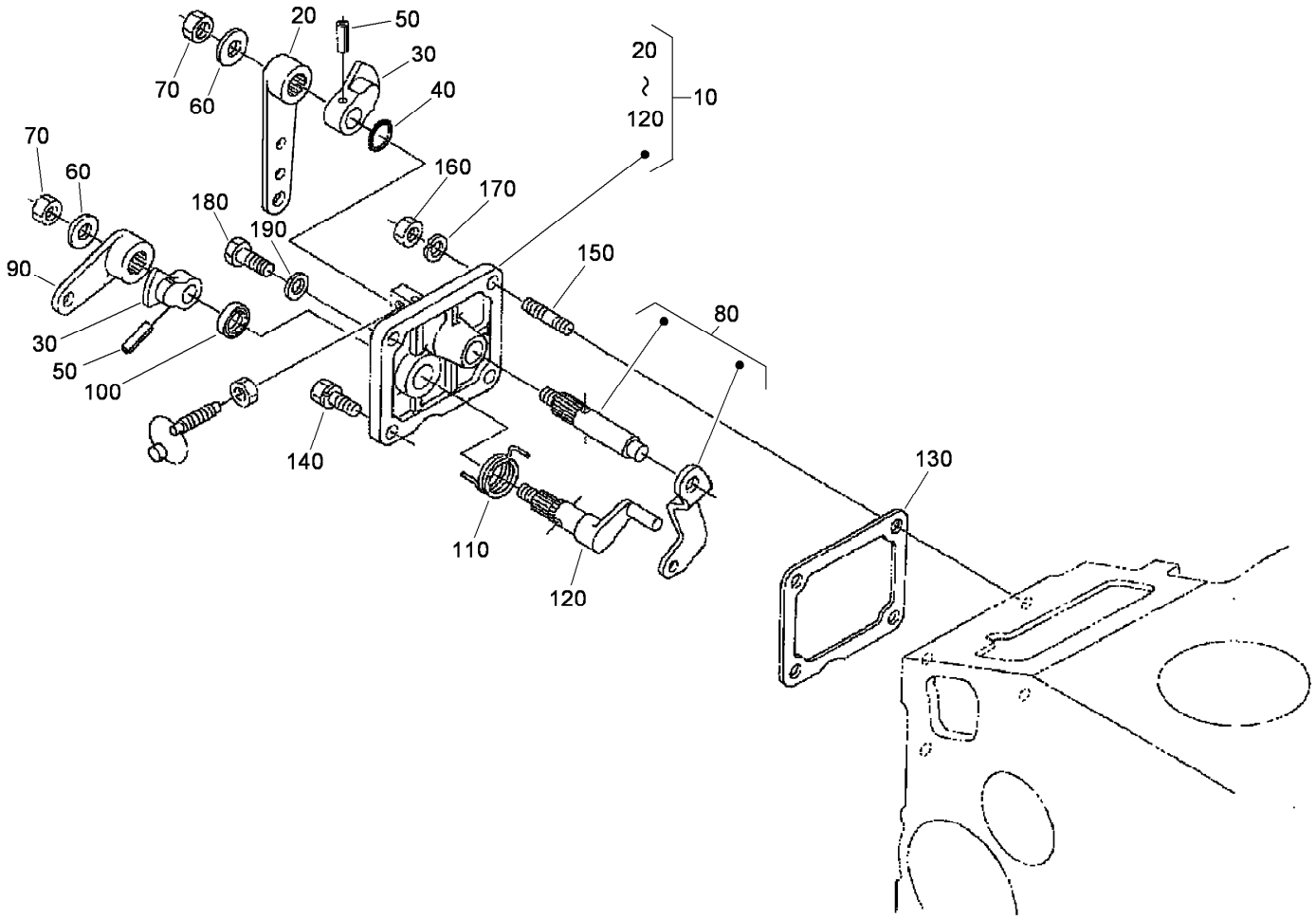

# Injection Pump Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9596 | 1 | Joint-Eye |
| 20 | 105-3727 | 1 | Injection Pump ASM |
| 30 | 105-3728 | 1 | Shim-Pump, Injection (.20Mm) |
| 40 | 105-3729 | 1 | Shim-Pump, Injection (.25Mm) |
| 50 | 105-3730 | 1 | Shim-Pump, Injection (.30Mm) |
| 60 | 98-9361 | 3 | Bolt-HSH |
| 70 | 98-9438 | 3 | Stud |
| 80 | 98-9440 | 3 | Nut-Cap |
| 90 | 98-7699 | 6 | Washer-Spring |
| 100 | 98-9464 | 1 | Bolt-Joint |
| 110 | 98-9445 | 2 | Gasket |
| 120 | 98-9430 | 1 | Screw |
| 130 | 98-9446 | 1 | Gasket |



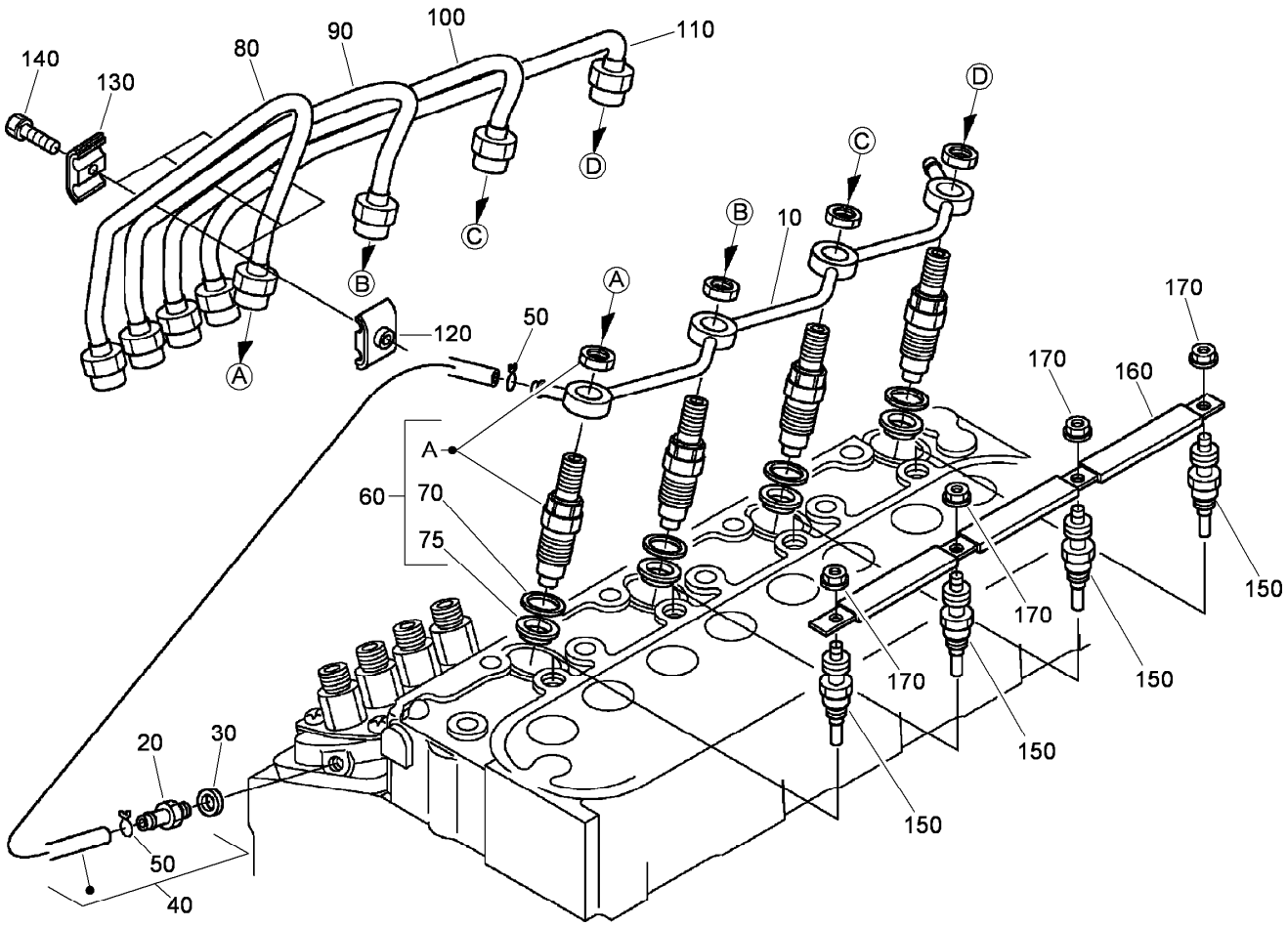

# Governor Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3741 | 1 | Spring-Start |
| 20 | 98-9681 | 1 | Spring-Governor |
| 30 | 107-9082 | 1 | Fork Lever ASM |
| 40 | 98-9692 | 2 | Roller |
| 45 | 108-2867 | 1 | Spring |
| 46 | 98-7580 | 2 | Ball |
| 50 | 107-9083 | 1 | Lever-Thrust |
| 60 | 107-9084 | 1 | Lever-Fork |
| 70 | 107-9085 | 1 | Shaft-Lever, Fork |
| 80 | 107-9086 | 1 | Shaft-Lever, Fork |
| 90 | 98-9570 | 1 | Bearing-Miniaturize |
| 100 | 98-9569 | 1 | Cover-Shaft, Fork Lever |
| 110 | 98-9682 | 1 | Gasket |
| 120 | 98-9350 | 2 | Bolt |
| 130 | 98-9567 | 1 | Collar |
| 140 | 98-9571 | 1 | Bearing-Miniaturize |



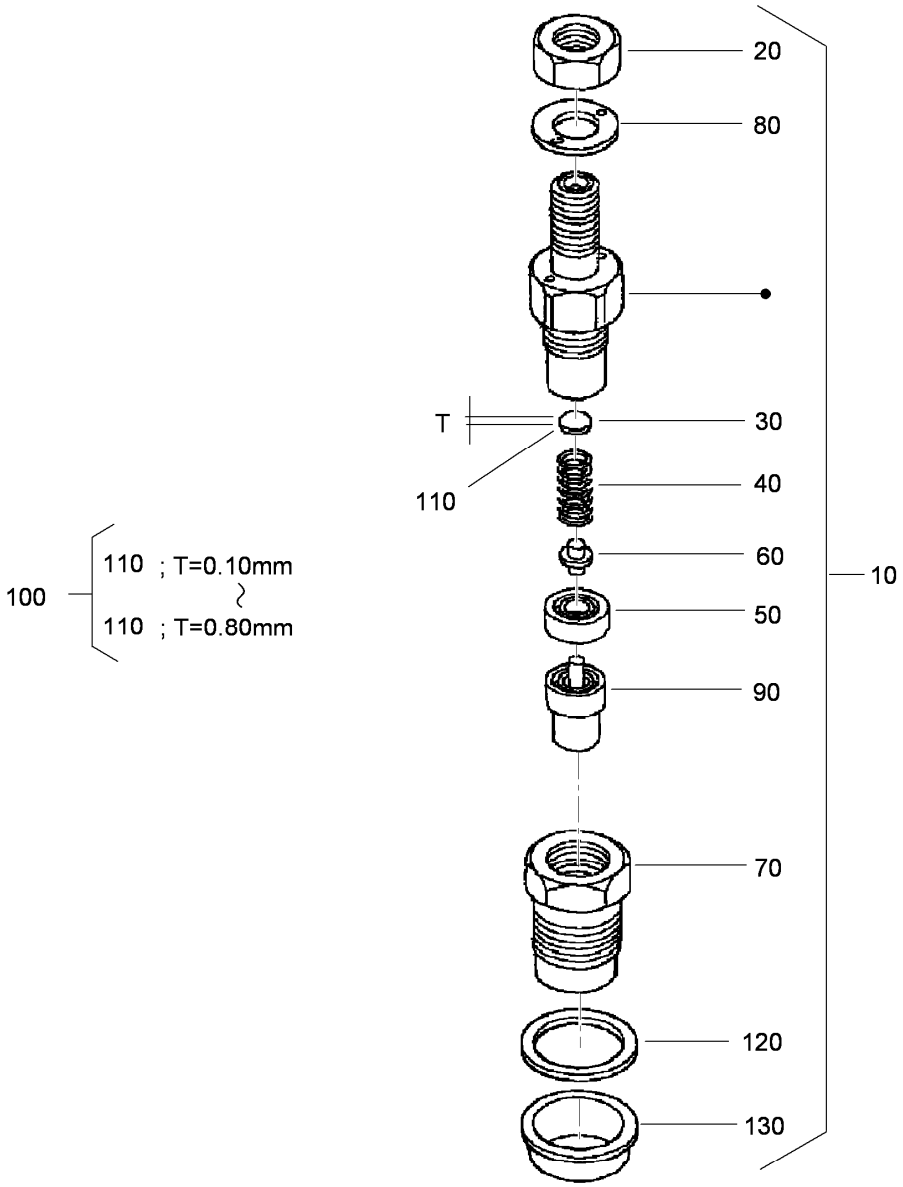

# Speed Control Plate Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3735 | 1 | Control Plate ASM |
| 20 | 98-9662 | 1 | Lever-Control, Speed |
| 30 | 98-9572 | 2 | Lever-Control, Speed |
| 40 | 105-3788 | 1 | O-Ring |
| 50 | 98-7602 | 2 | Pin-Spring |
| 60 | 98-9594 | 2 | Washer-Plain |
| 70 | 98-9589 | 2 | Nut |
| 80 | 98-9658 | 1 | Governor Lever ASM |
| 90 | 98-9663 | 1 | Lever-Stop, Engine |
| 100 | 98-7601 | 1 | Seal-Oil |
| 110 | 98-9472 | 1 | Spring-Return |
| 120 | 98-9664 | 1 | Shaft-Lever, Stop |
| 130 | 98-9637 | 1 | Gasket |
| 140 | 98-7692 | 1 | Bolt |
| 150 | 105-3710 | 2 | Stud |
| 160 | 98-7572 | 2 | Nut |
| 170 | 98-7699 | 2 | Washer-Spring |
| 180 | 99-8348 | 1 | Bolt |
| 190 | 98-7654 | 2 | Gasket |




# Nozzle Holder and Glow Plug Assembly

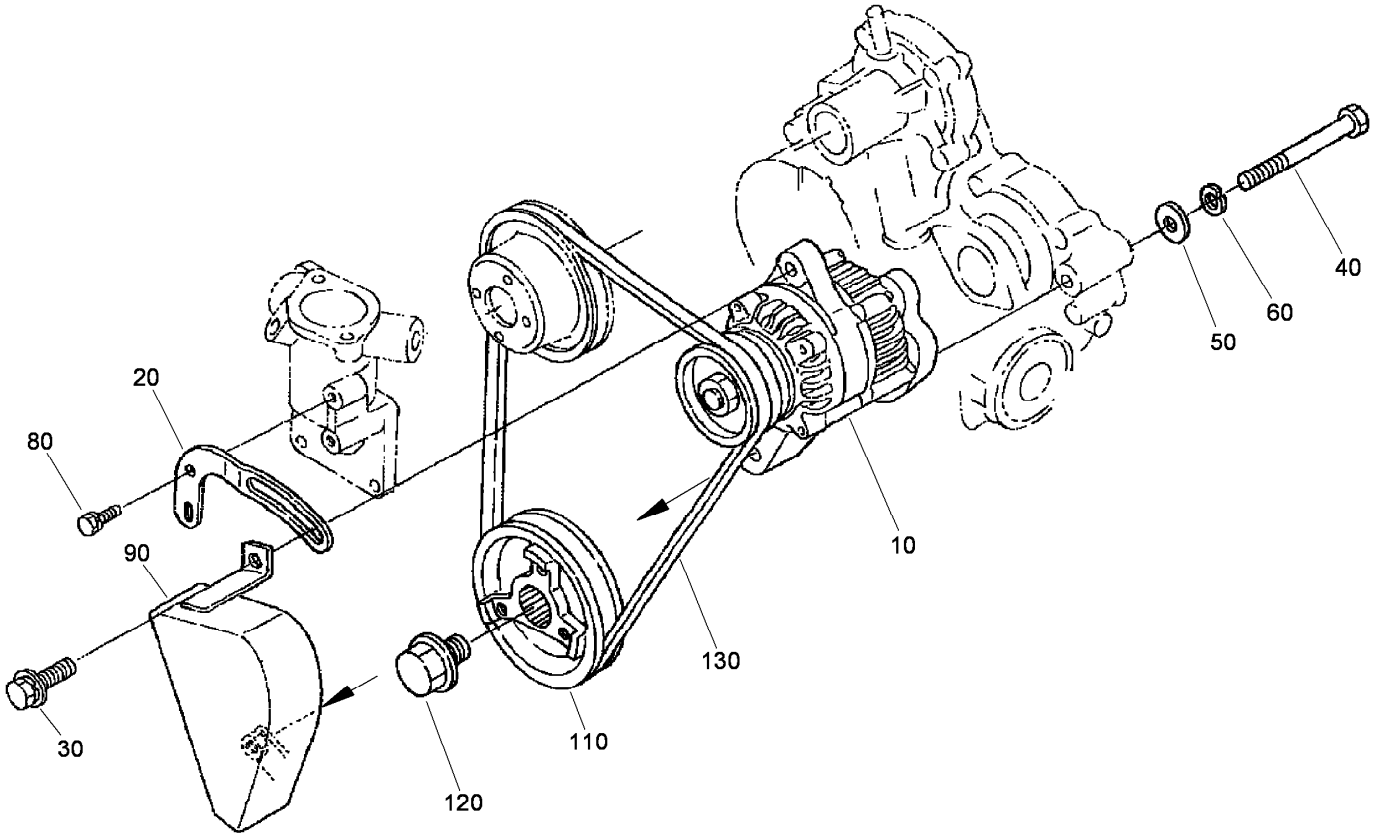
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3737 | 1 | Over Flow Pipe ASM |
| 20 | 98-9431 | 1 | Screw-Bleeder, Air |
| 30 | 98-7654 | 1 | Gasket |
| 40 | 98-9420 | 1 | Overflow Pipe ASM |
| 50 | 98-7671 | 2 | Clip-Pipe |
| 60 | 115-3018 | 4 | Nozzle Holder Kit |
| 70 | 98-7676 | 4 | Gasket |
| 75 | 98-7677 | 4 | Seal-Heat |
| 80 | 98-9653 | 1 | Pipe-Injection |
| 90 | 98-9654 | 1 | Pipe-Injection |
| 100 | 98-9655 | 1 | Pipe-Injection |
| 110 | 105-3738 | 1 | Pipe-Injection |
| 120 | 98-7682 | 3 | Clamp-Pipe |
| 130 | 98-7683 | 3 | Clamp-Pipe |
| 140 | 98-7684 | 3 | Screw (W/Washer) |
| 150 | 115-3019 | 4 | Plug-Glow |
| 160 | 105-3739 | 1 | Cord-Plug, Glow |
| 170 | 99-8377 | 4 | Nut-Flange |




# Nozzle Holder Component Assembly

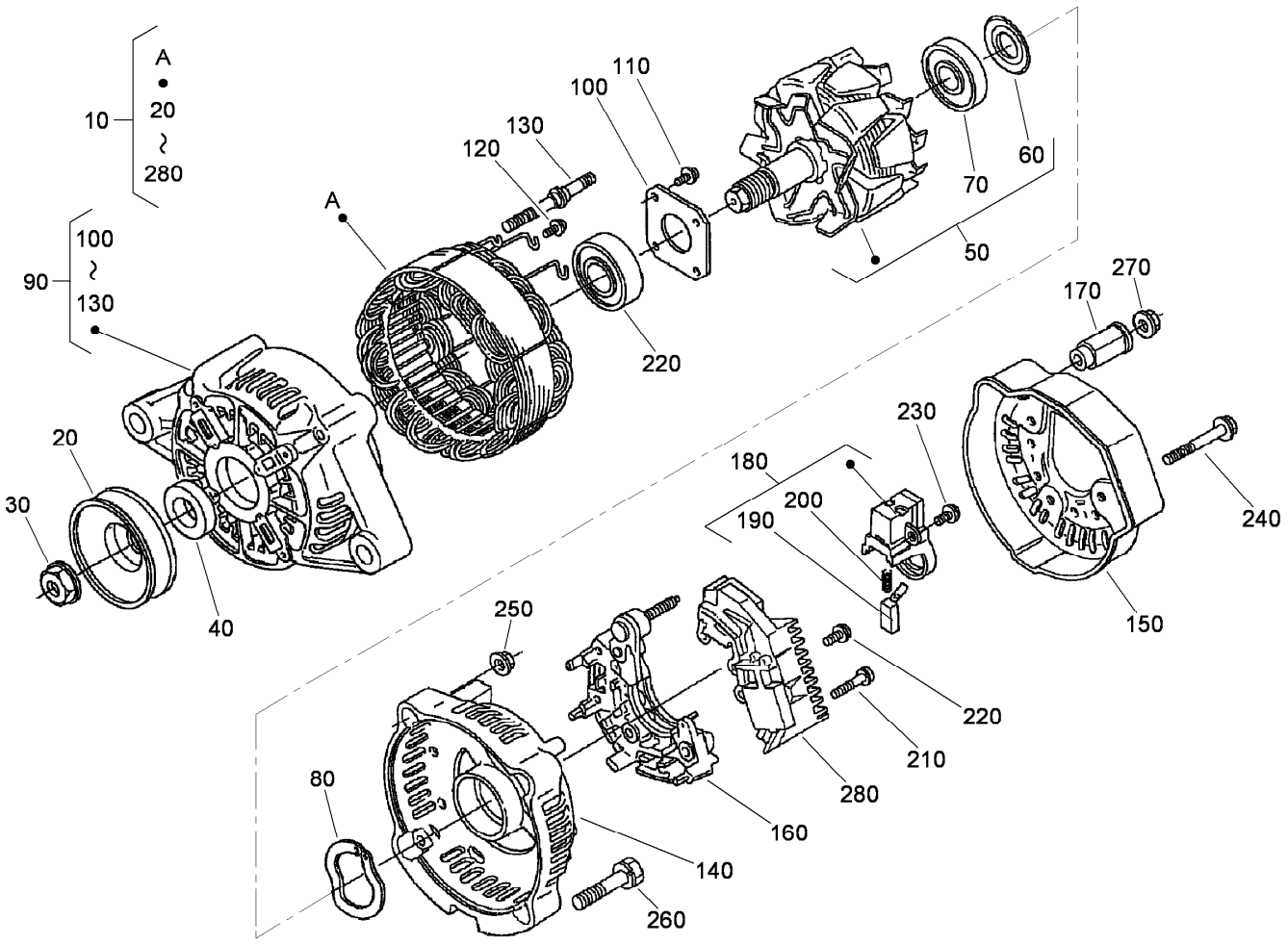
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 115-3018 | 4 | Nozzle Holder Kit |
| 20 | 99-8301 | 4 | Nut |
| 30 | 99-8302 | 4 | Washer-Adjusting |
| 40 | 99-8303 | 4 | Spring-Nozzle |
| 50 | 99-8304 | 4 | Spacer-Distance |
| 60 | 99-8305 | 4 | Rod-Push |
| 70 | 99-8306 | 4 | Nut-Nozzle |
| 80 | 99-8307 | 4 | Washer-Plain |
| 90 | 115-3020 | 4 | Piece-Nozzle |
| 100 | 99-8309 | 4 | Adjusting Washer ASM |
| 110 | 99-8310 | 4 | Washer-Adjust (0.10Mm) |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 110 | 99-8311 | 4 | Washer-Adjust (0.20Mm) |
| 110 | 99-8312 | 4 | Washer-Adjust (0.30Mm) |
| 110 | 99-8313 | 4 | Washer-Adjust (0.40Mm) |
| 110 | 99-8314 | 4 | Washer-Adjust (0.50Mm) |
| 110 | 99-8315 | 4 | Washer-Adjust (0.52Mm) |
| 110 | 99-8316 | 4 | Washer-Adjust (0.54Mm) |
| 110 | 99-8317 | 4 | Washer-Adjust (0.56Mm) |
| 110 | 99-8318 | 4 | Washer-Adjust (0.58Mm) |
| 110 | 99-8319 | 4 | Washer-Adjust (0.80Mm) |
| 120 | 98-7676 | 4 | Gasket |
| 130 | 98-7677 | 4 | Seal-Heat |




# Alternator and Pulley Assembly

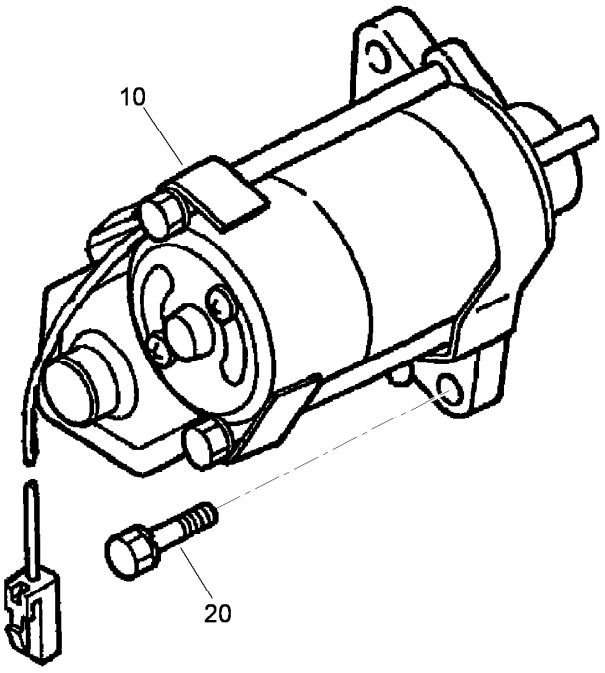
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9474 | 1 | Alternator ASM |
| 20 | 112-7047 | 1 | Stay-Dynamo |
| 30 | 108-7088 | 1 | Bolt |
| 40 | 98-9360 | 1 | Bolt |
| 50 | 98-7696 | 1 | Washer-Plain |
| 60 | 98-7738 | 1 | Washer-Spring |
| 80 | 98-7692 | 1 | Bolt |
| 90 | 108-2868 | 1 | Cover-Belt |
| 110 | 105-3745 | 1 | Pulley-Drive, Fan |
| 120 | 98-9585 | 1 | Bolt |
| 130 | 98-9676 | 1 | V-Belt |




# Alternator Component Assembly

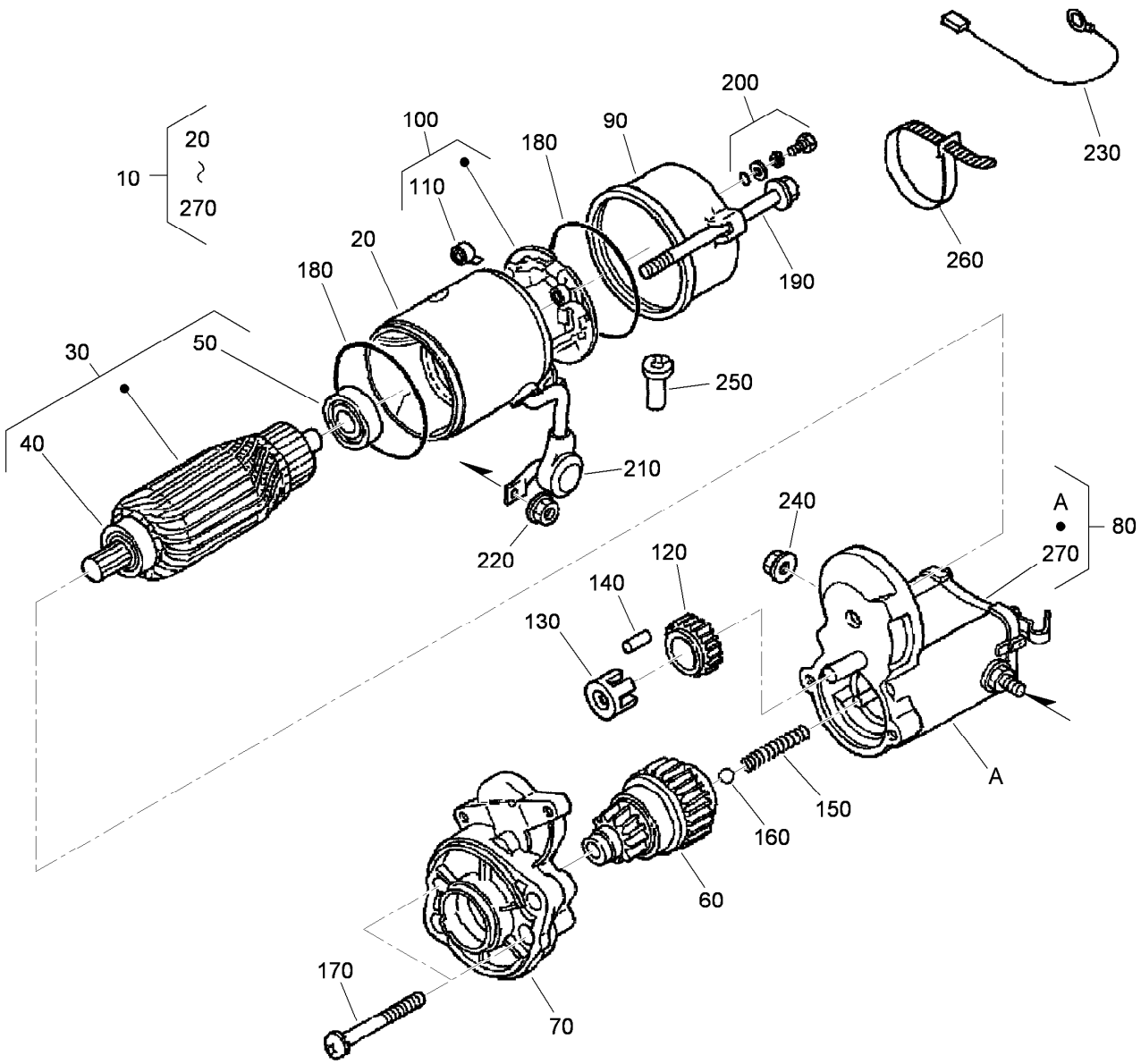
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 98-9474 | 1 | Alternator ASM |
| 20 | 98-9453 | 1 | Pulley-Dynamo |
| 30 | 98-7708 | 1 | Nut |
| 40 | 98-7709 | 1 | Collar |
| 50 | 107-0136 | 1 | Rotor ASM |
| 60 | 98-7711 | 1 | Cover-Bearing |
| 70 | 107-0138 | 1 | Bearing-Ball |
| 80 | 98-7713 | 1 | Washer-Thrust |
| 90 | 107-0139 | 1 | Drive End Frame ASM |
| 100 | 98-7715 | 1 | Plate-Retainer |
| 110 | 98-7716 | 4 | Screw-Head, Round |
| 120 | 98-7717 | 2 | Bolt-Through |
| 130 | 107-0137 | 1 | Bearing-Ball |
| 140 | 107-9087 | 1 | Frame-End |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 150 | 107-0140 | 1 | Cover-End |
| 160 | 98-7721 | 1 | Rectifier ASM |
| 170 | 98-7722 | 1 | Bushing-Insulation |
| 180 | 107-0141 | 1 | Brush Holder ASM |
| 190 | 98-7724 | 2 | Brush |
| 200 | 98-7725 | 2 | Spring-Brush |
| 210 | 98-7726 | 2 | Screw-Head, Round |
| 220 | 98-7727 | 6 | Screw-Head, Round |
| 230 | 98-7728 | 1 | Screw-Head, Round |
| 240 | 98-7729 | 3 | Bolt |
| 250 | 98-7730 | 2 | Nut |
| 260 | 98-7731 | 2 | Bolt |
| 270 | 98-7732 | 1 | Nut |
| 280 | 107-9088 | 1 | Regulator ASM |




# Starter Assembly

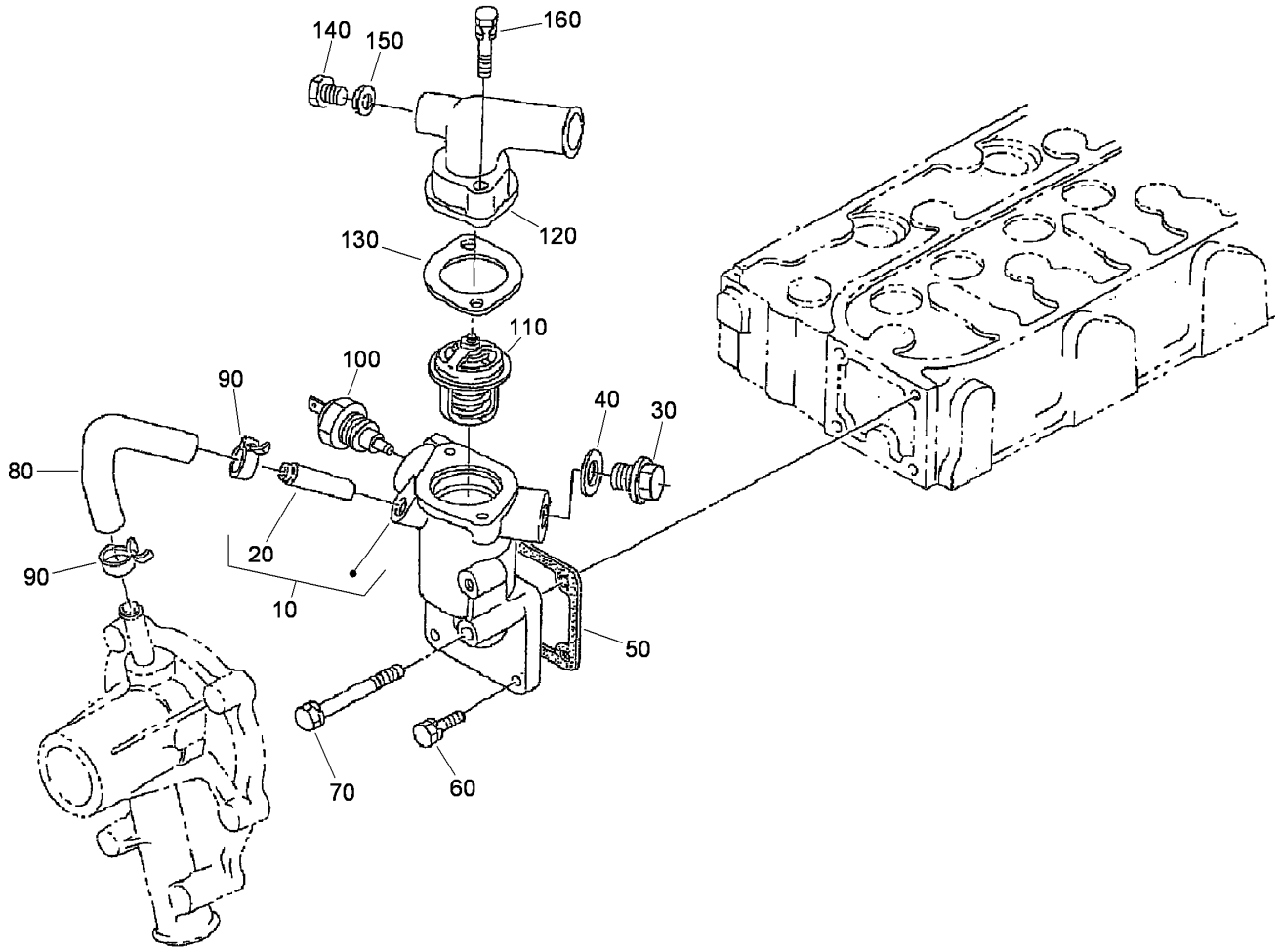
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9705 | 1 | Starter ASM |
| 20 | 98-7697 | 2 | Bolt |




# Starter (Component Part) Assembly

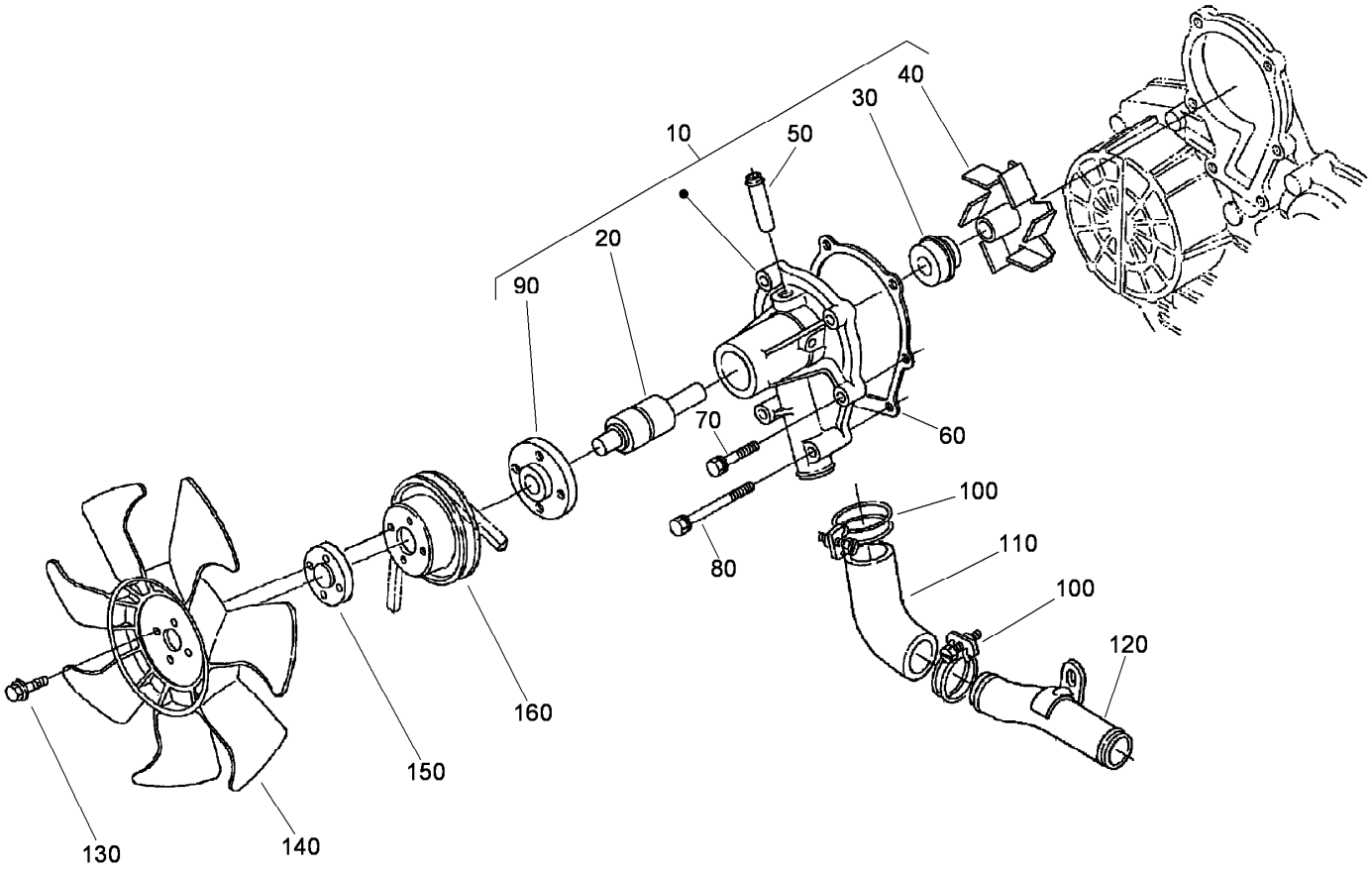
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 98-9705 | 1 | Starter ASM |
| 20 | 104-8608 | 1 | Yoke ASM |
| 30 | 98-7742 | 1 | Armature ASM |
| 40 | 98-7744 | 1 | Bearing |
| 50 | 98-7743 | 1 | Bearing |
| 60 | 99-8373 | 1 | Clutch-Running, Over |
| 70 | 99-8374 | 1 | Frame-End, Drive |
| 80 | 105-3746 | 1 | Magnetic Switch ASM |
| 90 | 98-7748 | 1 | Frame-End |
| 100 | 98-7749 | 1 | Brush Holder ASM |
| 110 | 98-7750 | 4 | Spring-Brush |
| 120 | 98-7751 | 1 | Gear |
| 130 | 98-7752 | 1 | Retainer |
| 140 | 98-7753 | 5 | Roller |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 150 | 98-7754 | 1 | Spring |
| 160 | 98-7755 | 1 | Ball |
| 170 | 98-7756 | 2 | Bolt |
| 180 | 98-7757 | 2 | O-Ring |
| 190 | 100-9240 | 2 | Bolt |
| 200 | 98-7758 | 2 | Bolt ASM |
| 210 | 99-8375 | 1 | Cover |
| 220 | 99-8371 | 1 | Nut-Hex |
| 230 | 98-9711 | 1 | Cord-Solenoid, Stop |
| 240 | 99-8376 | 1 | Nut-Hex |
| 250 | 98-7759 | 1 | Pipe-Drain |
| 260 | 98-9712 | 1 | Band-Cover |
| 270 | 105-2886 | 1 | Cover ASM |



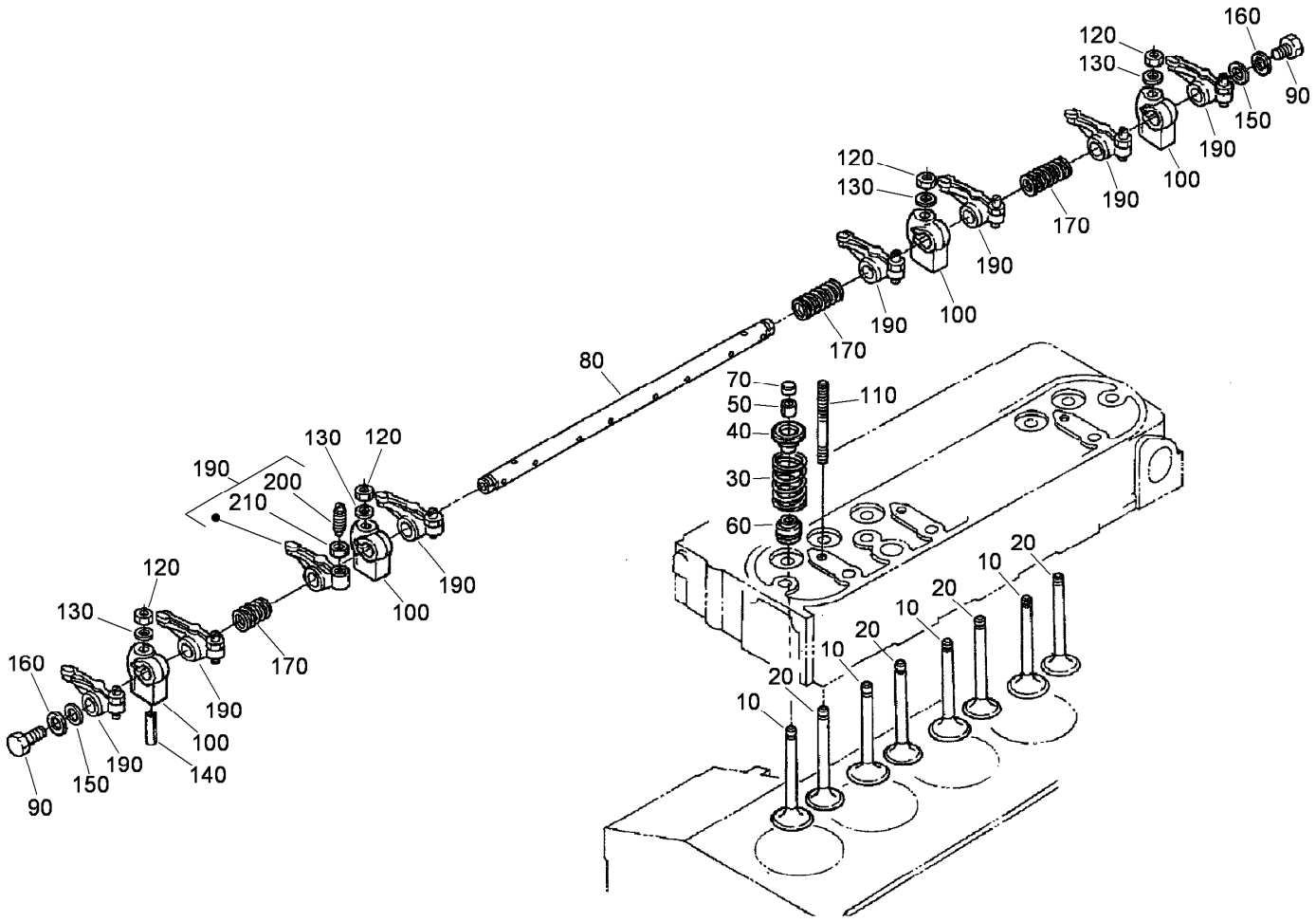

# Water Flange and Thermostat Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9713 | 1 | Water Flange ASM |
| 20 | 98-9580 | 1 | Pipe-Return, Water |
| 30 | 105-3747 | 1 | Plug |
| 40 | 99-3583 | 1 | Gasket |
| 50 | 98-9638 | 1 | Gasket-Flange, Water |
| 60 | 98-7692 | 3 | Bolt |
| 70 | 98-9356 | 1 | Bolt |
| 80 | 98-9578 | 1 | Pipe-Return, Water |
| 90 | 98-9579 | 2 | Band-Pipe |
| 100 | 98-9719 | 1 | Thermoswitch |
| 110 | 98-7778 | 1 | Thermostat ASM |
| 120 | 108-2869 | 1 | Cover-Thermostat |
| 130 | 105-3748 | 1 | Gasket-Thermostat |
| 140 | 108-2870 | 1 | Plug-Drain |
| 150 | 100-9155 | 1 | Gasket |
| 160 | 98-7777 | 2 | Bolt |



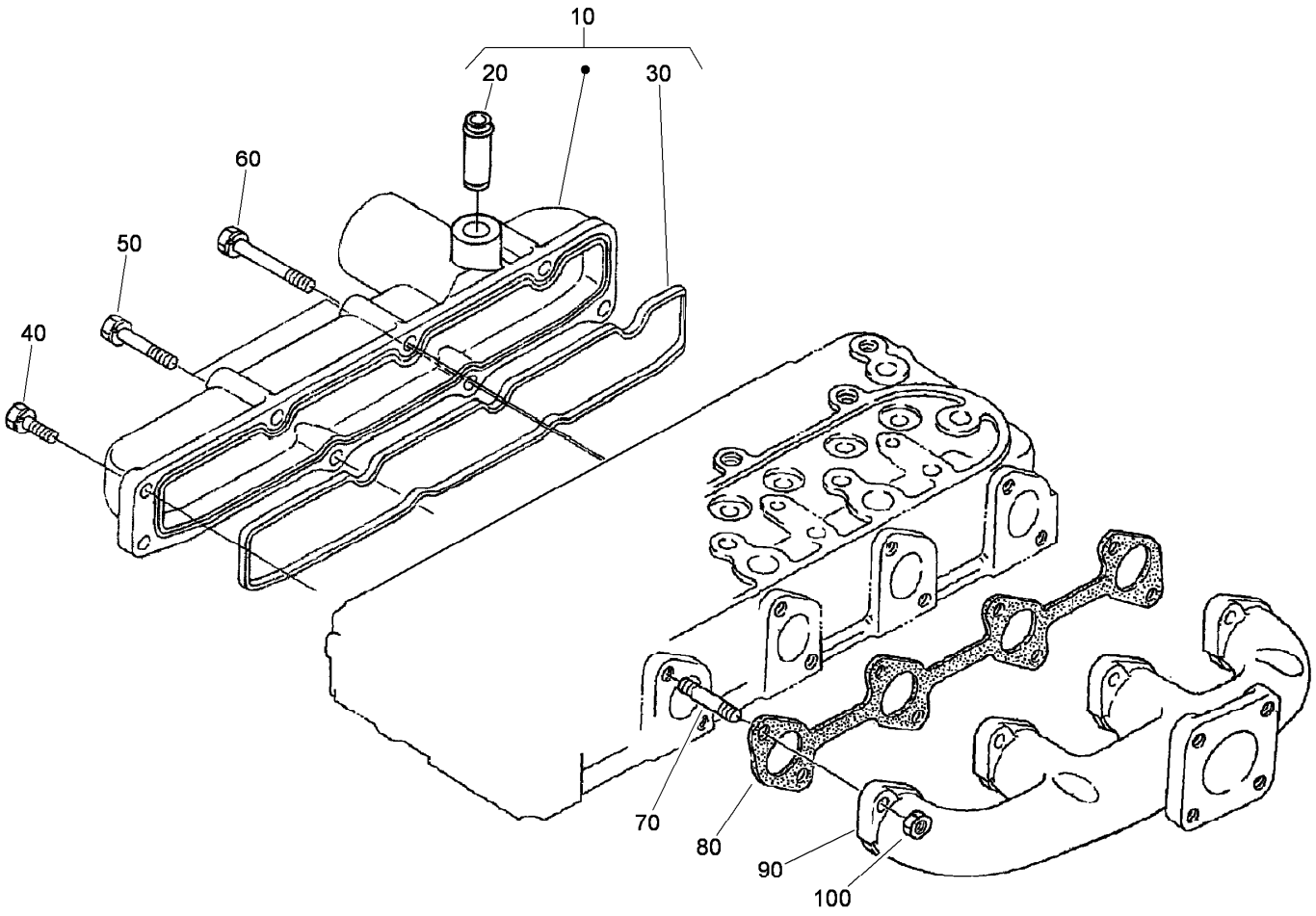

# Water Pump Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 107-9089 | 1 | Water Pump ASM |
| 20 | 99-3517 | 1 | Bearing-Pump, Water |
| 30 | 105-3750 | 1 | Mechanical Seal ASM |
| 40 | 112-7017 | 1 | Impeller-Pump, Water |
| 50 | 100-1932 | 1 | Pipe-Return, Water |
| 60 | 99-3454 | 1 | Gasket-Pump, Water |
| 70 | 98-9353 | 4 | Bolt |
| 80 | 107-9090 | 2 | Bolt |
| 90 | 99-3516 | 1 | Flange-Pump, Water |
| 100 | 98-9717 | 2 | Clamp |
| 110 | 107-9091 | 1 | Pipe-Water |
| 120 | 98-9716 | 1 | Pipe-Water |
| 130 | 108-2873 | 4 | Bolt-Flange |
| 140 | 108-2871 | 1 | Fan |
| 150 | 108-2872 | 1 | Collar-Fan |
| 160 | 98-9584 | 1 | Pulley-Fan |



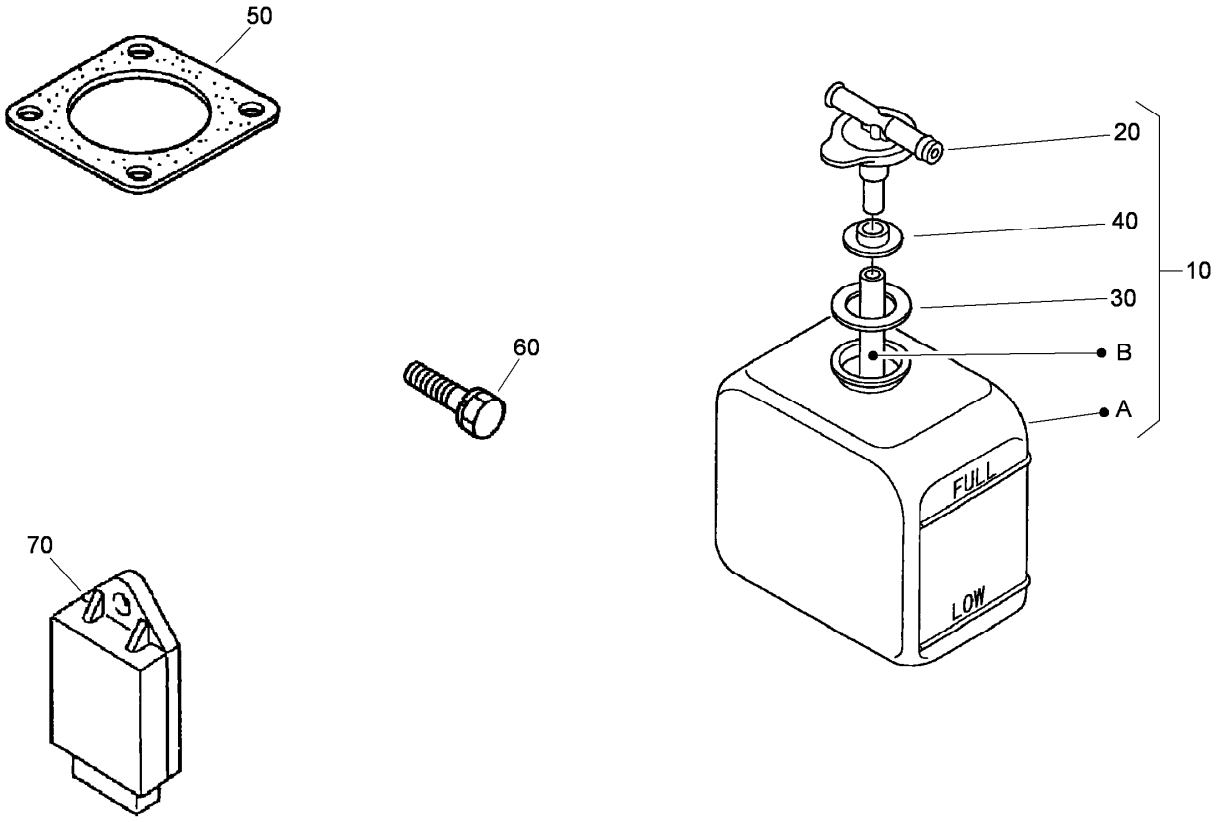

# Valve and Rocker Arm Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 112-7018 | 4 | Valve-Inlet |
| 20 | 112-7021 | 4 | Valve-Exhaust |
| 30 | 98-9648 | 8 | Spring-Valve |
| 40 | 107-9092 | 8 | Retainer-Spring |
| 50 | 98-9390 | 8 | Collet-Spring, Valve |
| 60 | 99-8385 | 8 | Seal-Stem, Valve |
| 70 | 98-9497 | 8 | Cap-Valve |
| 80 | 105-3757 | 1 | Shaft-Arm, Rocker |
| 90 | 100-9265 | 2 | Bolt |
| 100 | 98-9505 | 4 | Bracket-Arm, Rocker |
| 110 | 98-9506 | 4 | Stud |
| 120 | 98-9393 | 4 | Nut |
| 130 | 98-9385 | 4 | Washer-Flat |
| 140 | 105-3758 | 1 | Pin-Spring |
| 150 | 98-9507 | 2 | Washer-Shaft, R-Arm |
| 160 | 110-3832 | 2 | Washer-Plain |
| 170 | 98-9504 | 2 | Spring-Arm, Rocker |
| 190 | 98-9501 | 8 | Rocker Arm ASM |
| 200 | 98-9502 | 8 | Screw-Adjusting |
| 210 | 98-9503 | 8 | Nut |




# Inlet and Exhaust Manifold Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 108-2874 | 1 | Intake Manifold ASM |
| 20 | 98-9492 | 1 | Joint-Pipe, Breather |
| 30 | 105-3760 | 1 | Gasket-Manifold, Inlet |
| 40 | 98-7605 | 3 | Bolt |
| 50 | 98-9353 | 2 | Bolt |
| 60 | 105-3797 | 3 | Bolt |
| 70 | 98-9588 | 8 | Stud |
| 80 | 105-3765 | 1 | Gasket-Ex-Manifold |
| 90 | 114-9573 | 1 | Manifold-Exhaust |
| 100 | 98-9665 | 8 | Nut |




# Muffler Gasket, Glow Controller and Overflow Bottle Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 104-9318 | 1 | Overflow Bottle ASM |
| 20 | 105-3754 | 1 | Cap |
| 30 | 105-3755 | 1 | Gasket |
| 40 | 105-3756 | 1 | Plate |
| 50 | 98-9611 | 1 | Gasket |
| 60 | 98-7610 | 1 | Bolt |
| 70 | 98-7611 | 1 | Controller-Glow |

# Attachments and Accessories

## For 41593 Multi-Pro 5800 Turf Sprayer

| Product Name | Model/Part |
|---|---|
| Speedometer Kit | 106-4839 |
| Premium All Season Hydraulic Fluid (55 Gallon Drum) | 108-1177 |
| Premium All Season Hydraulic Fluid (5 Gallon Pail) | 108-1178 |
| Premium Heavy Duty All Season Gear Lube (Pail) | 108-1188 |
| Premium All Purpose Grease (Tube) | 108-1190 |
| Premium Heavy Duty All Season Gear Lube (Quart) | 108-1591 |
| Foam Marker Tank Mount | 112-7812 |
| Spark Arrestor | 115-2919 |
| Beacon Kit | 120-8505 |
| License Plate Kit | 120-8506 |
| Spring Upgrade Kit, Multi-Pro Turf Sprayer with Covered Boom Kit | 120-8508 |
| Premium Engine Oil 10w30 (55 Gal) | 121-6392 |
| Premium Engine Oil 10w30 (5 Gal) | 121-6393 |
| Single Nozzle Kit | 41023 |
| Pro Foam Concentrate (4 x 1 Gallon) | 41157 |
| Foam Marker Kit | 41236 |
| Heat Shield Kit | 41601 |
| Covered Boom Kit | 41602 |
| Homologation Kit | 41603 |
| Pro Control Spray System | 41604 |
| Spray Gun Kit | 41605 |
| Pro-Foam | 41607 |
| Eductor Kit | 41612 |
| Electric Hose Reel Kit | 41613 |
| Tank Rinse Kit | 41614 |
| Sonic Boom Kit | 41615 |
| Manual Spray Mode Kit | 41616 |
| BBA Kit | 41617 |

## Notes:

## Notes:

## Notes:




**Count on it.**