Form No. 3411-103 Rev C

TORO®

Count on it.

Parts Catalog

# Groundsmaster® 4300-D

## Traction Unit

**Model No. 30853—Serial No. 400000000 and Up**

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

CE

*3411-103* C

# Ordering Replacement Parts

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

**Understanding Reference Numbers**

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

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

**Service Assembly Reference Numbers**

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

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

**Reference Numbers Indicating Quantity**

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

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

# Contents


Frame Assembly . . . . . 5
Operator Platform Assembly . . . . . 6
Pedal Assembly . . . . . 7
Steering Assembly . . . . . 9
Steering Tilt Column Assembly No. 106-3622 . . . . . 10
Steering Valve Assembly No. 106-3621 . . . . . 11
Control Arm Assembly . . . . . 12
Joystick Bracket Assembly No. 120-5280 . . . . . 14
Front Axle Assembly . . . . . 15
LH Brake Assembly No. 120-6261 . . . . . 16
RH Brake Assembly No. 120-6260 . . . . . 17
Rear Axle Assembly . . . . . 18
Tie Rod Assembly No. 110-5334-03 . . . . . 19
No. 1, 4 and 5 Lift Arm and Deck Assembly . . . . . 20
No. 2 and 3 Lift Arm and Deck Assembly . . . . . 22
Roller and Carrier Frame Assembly . . . . . 24
Roller Assembly No. 108-7387 . . . . . 25
Height-of-Cut Assembly . . . . . 26
Spindle, Blade and Chamber Assembly . . . . . 27
Spindle Assembly No. 115-3435 . . . . . 28
Seat and Control Arm Wiring Harness Assembly . . . . . 29
Main Wiring Harness Assembly . . . . . 30
Electrical Assembly . . . . . 31
Gear Pump Mounting Assembly . . . . . 32
Gear Pump Assembly No. 121-5645 . . . . . 33
Seat Base Assembly . . . . . 34
Hood Assembly . . . . . 35
Radiator Assembly . . . . . 36
Hydraulic Tank Assembly . . . . . 38
Fuel System Assembly . . . . . 39
Seat Mount Assembly . . . . . 41
Mechanical Seat Suspension Assembly No. 110-8851 . . . . . 42
Traction Pump Assembly . . . . . 43
Hydraulic Pump Assembly No. 119-6972 . . . . . 44
Traction Hydraulic Circuit . . . . . 46
Hydraulic Motor Assembly No. 133-2935 (CCW) . . . . . 47
Hydraulic Motor Assembly No. 133-2934 (CW) . . . . . 48
Rear Traction Hydraulic Circuit . . . . . 49
Hydraulic Motor Asembly No. 107-4544 . . . . . 50
Hydraulic Motor Assembly No. 110-0901 . . . . . 51
Four Wheel Drive Manifold Assembly No. 108-1825 . . . . . 52
Gear Motor Assembly No. 108-4004 . . . . . 53
Front Deck Hydraulic Assembly . . . . . 54
Deck Control Manifold Assembly No. 114-0359 . . . . . 56
Rear Deck Hydraulic Assembly . . . . . 57
Deck No. 1, 4 and 5 Lift Circuit Hydraulic Assembly . . . . . 59
Lift Control Manifold Assembly No. 117-0158 . . . . . 60
Hydraulic Cylinder Assembly No. 119-6989 . . . . . 61
Hydraulic Cylinder Assembly No. 119-6990 . . . . . 62
Hydraulic Cylinder Assembly No. 119-6991 . . . . . 63
Deck No. 2 and 3 Lift Circuit Hydraulic Assembly . . . . . 64
Hydraulic Cylinder Assembly No. 119-6988 . . . . . 65
Steering Hydraulic Assembly . . . . . 66
Hydraulic Cylinder Assembly No. 114-0403 . . . . . 68



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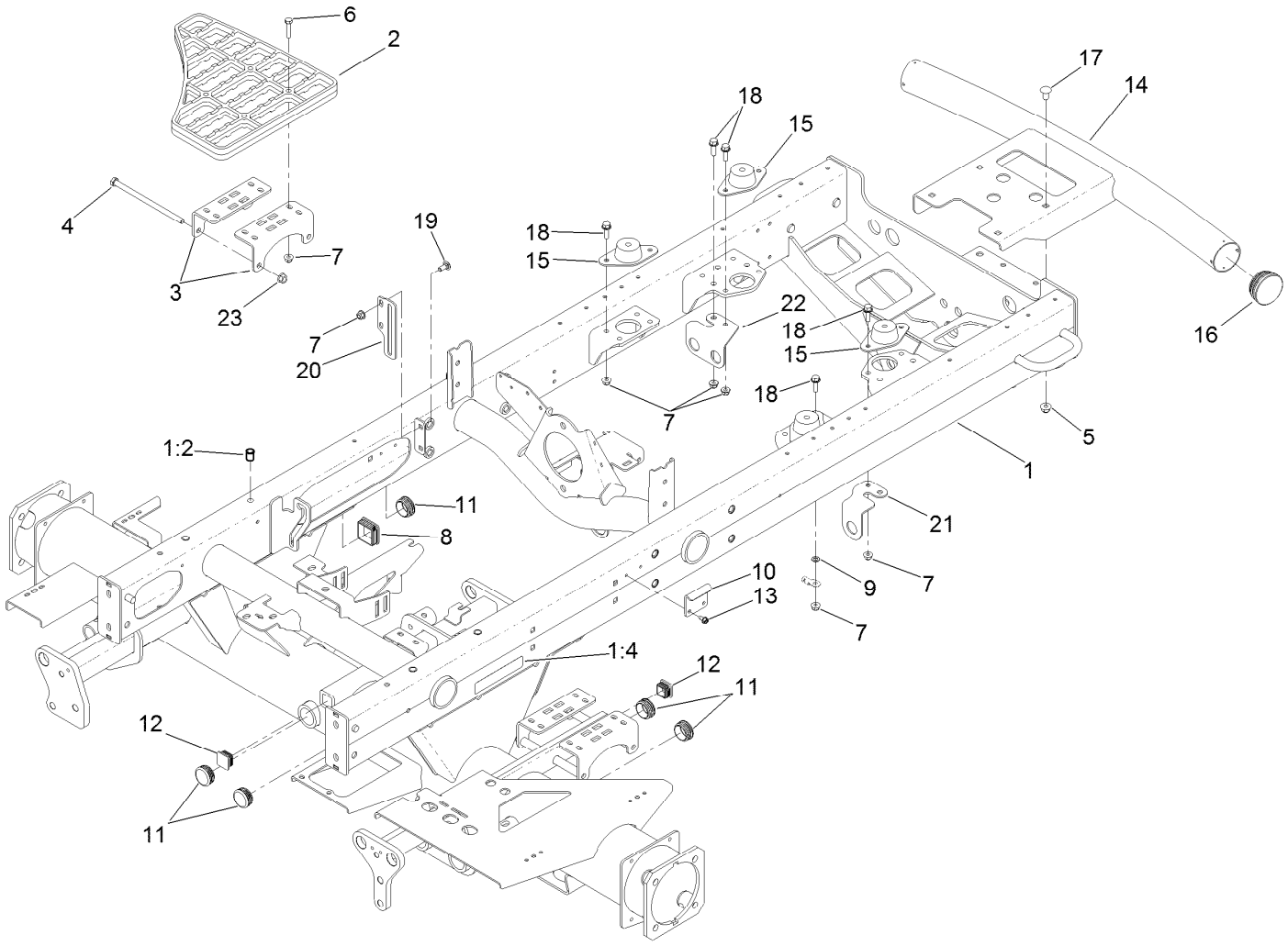




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# Contents (continued)

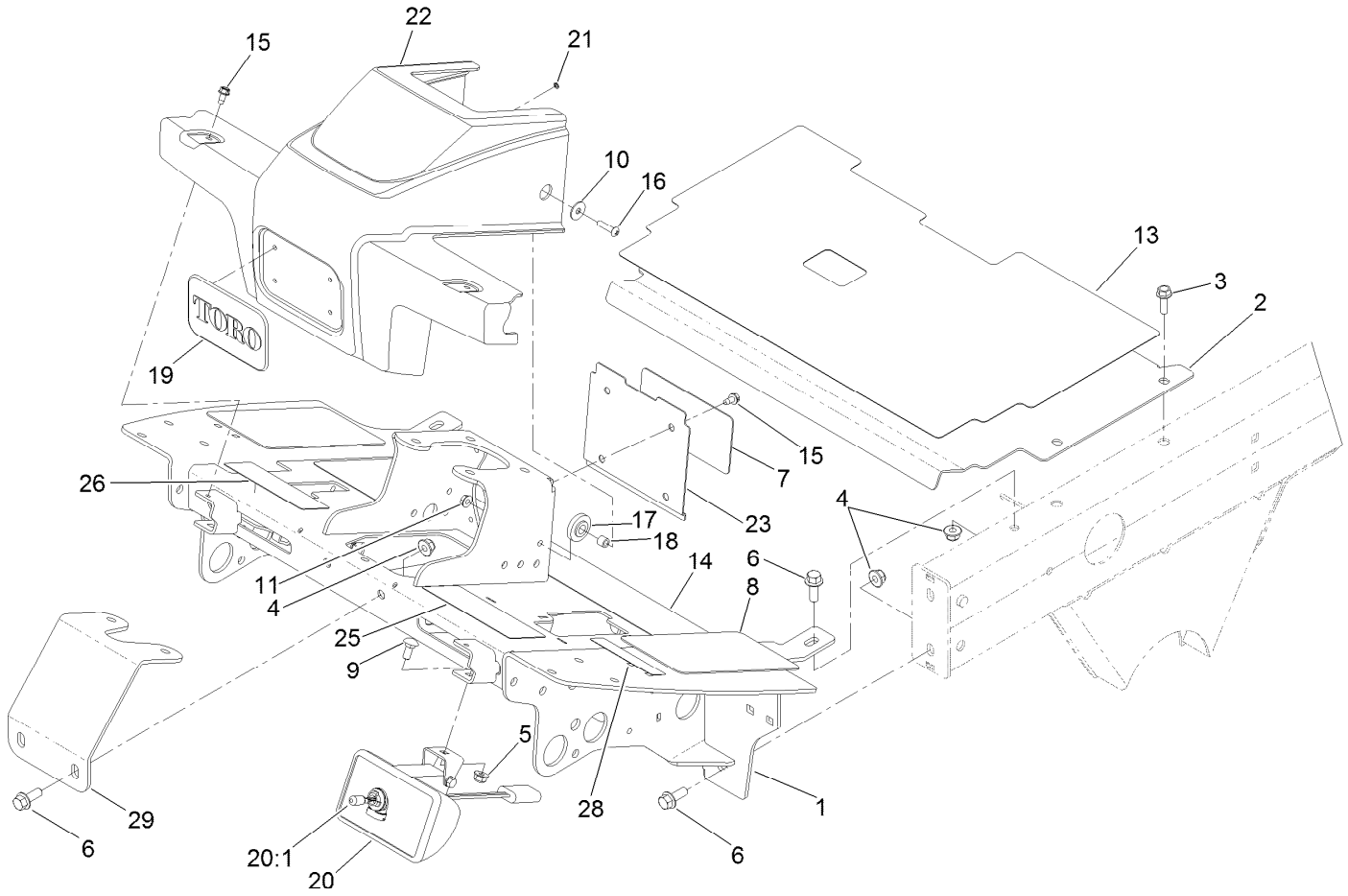
Engine, Muffler and Air Cleaner Assembly . . . . . 69
Air Cleaner Assembly No. 110-8917 . . . . . 71
Driveshaft Assembly No. 108-1641 . . . . . 72
Crankcase Assembly . . . . . 73
Oil Pan Assembly . . . . . 74
Cylinder Head Assembly . . . . . 75
Gear Case Assembly . . . . . 76
Cylinder Head Cover Assembly . . . . . 77
Dipstick and Guide Assembly . . . . . 78
Main Bearing Case Assembly . . . . . 79
Cam Shaft and Idle Gear Shaft Assembly . . . . . 80
Piston and Crankshaft Assembly . . . . . 81
Flywheel Assembly . . . . . 82
Fuel Camshaft and Governor Shaft Assembly . . . . . 83
Idle Apparatus Assembly . . . . . 84
Injection Pump Assembly . . . . . 85
Speed Control Plate Assembly . . . . . 86
Nozzle Holder and Glow Plug Assembly . . . . . 87
Nozzle Holder Component Assembly . . . . . 88
Governor Assembly . . . . . 89
Alternator and Pulley Assembly . . . . . 90
Alternator Components . . . . . 91
Starter Assembly . . . . . 92
Water Flange and Thermostat Assembly . . . . . 93
Water Pump Assembly . . . . . 94
Overflow Bottle Assembly . . . . . 95
Valve and Rocker Arm Assembly . . . . . 96
Inlet and Exhaust Manifold Assembly . . . . . 97
Turbo Charger Assembly . . . . . 98
Oil Pipe (Turbo Charger) Assembly . . . . . 99
Oil Cooler Assembly . . . . . 100
Attachments and Accessories . . . . . 101




# Frame Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-3809 | 1 | Frame ASM |
| 1:2 | 32148-7 | 4 | Nut-Clinch |
| 1:4 | 93-6689 | 2 | Decal-No Riders |
| 2 | 110-9041 | 2 | Step-Aluminum |
| 3 | 127-2697-01 | 4 | Bracket-Step |
| 4 | 323-36 | 4 | Screw-HH |
| 5 | 104-8301 | 4 | Nut-HF, NI |
| 6 | 322-17 | 8 | Screw-HH |
| 7 | 104-8300 | 20 | Nut-HF, NI |
| 8 | 95-9495 | 1 | Cap |
| 9 | 3255-8 | 1 | Washer-Lock |
| 10 | 110-8972 | 1 | Hook-Latch |
| 11 | 110-9012 | 5 | Caplug |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12 | 110-9013 | 2 | Caplug |
| 13 | 32104-17 | 2 | Screw-HWH |
| 14 | 110-8951-03 | 1 | Bumper |
| 15 | 120-6274 | 4 | Mount-Engine |
| 16 | 2410-42 | 2 | Cap-End |
| 17 | 3231-21 | 4 | Screw-CARR |
| 18 | 3234-29 | 10 | Screw-HHF |
| 19 | 3230-1 | 2 | Bolt-CARR |
| 20 | 108-7584-01 | 1 | Plate-Guide, Rod |
| 21 | 117-0155 | 1 | Bracket-4Wd, LH |
| 22 | 117-0154 | 1 | Bracket-4Wd, RH |
| 23 | 32128-21 | 4 | Nut-HF Lock |

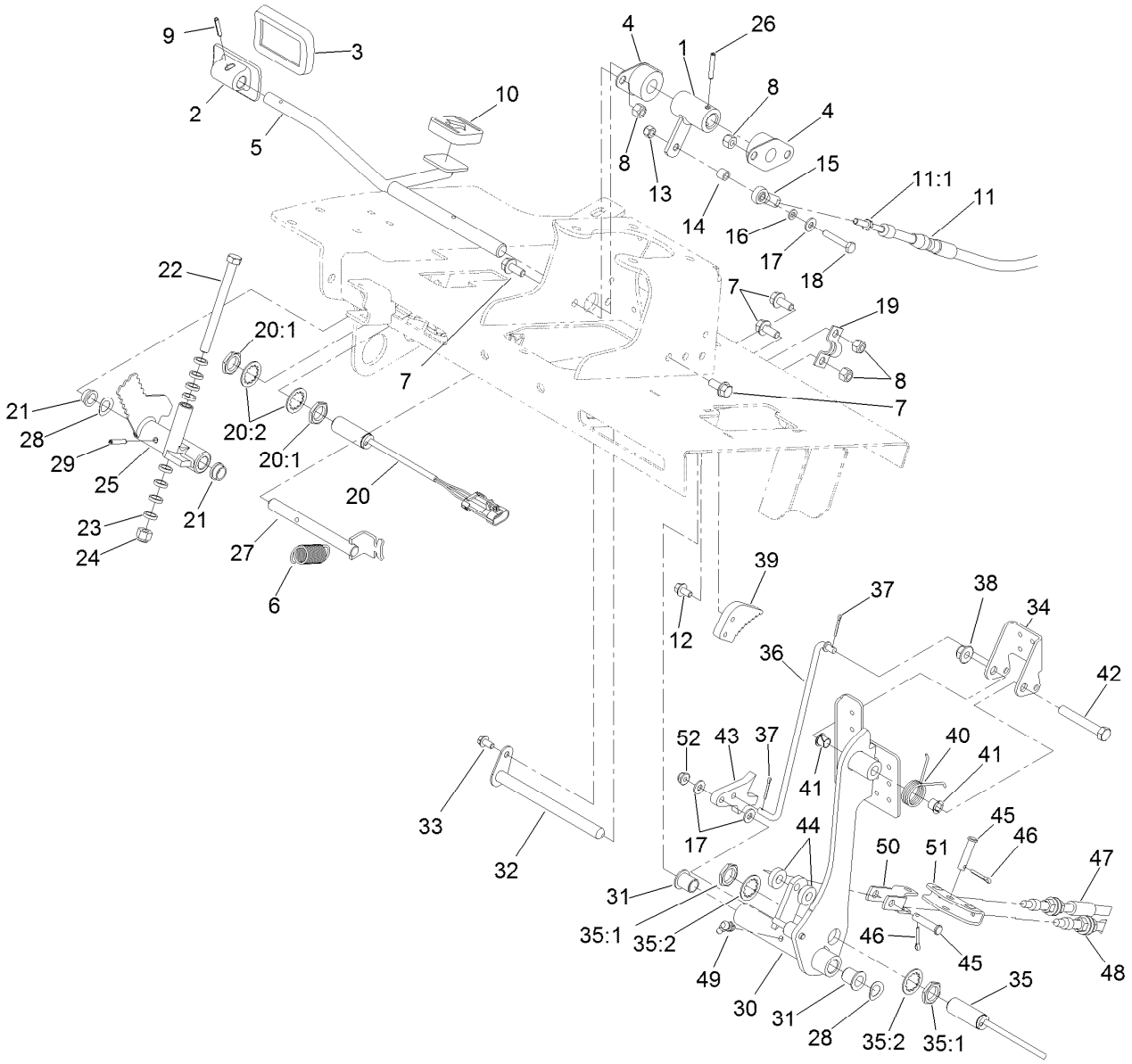



Items 20:2, 20:3 and 20:4
not used on this model

# Operator Platform Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 127-2310-01 | 1 | Platform ASM |
| 2 | 115-8064-01 | 1 | Plate-Floor |
| 3 | 3234-17 | 4 | Screw-HHF |
| 4 | 104-8301 | 6 | Nut-HF, NI |
| 5 | 104-8300 | 2 | Nut-HF, NI |
| 6 | 3234-11 | 6 | Screw-HHF |
| 7 | 110-0986 | 1 | Decal-Plate, Cover |
| 8 | 125-2910 | 2 | Tread-Floor, Side |
| 9 | 3230-1 | 2 | Bolt-CARR |
| 10 | 87-6630 | 2 | Washer-Plain |
| 11 | 32128-33 | 2 | Nut-HF |
| 13 | 125-2911 | 1 | Tread-Panel, Service |
| 14 | 125-2909 | 1 | Tread-Floorboard |
| 15 | 32104-17 | 6 | Screw-HWH |
| 16 | 106-9518 | 2 | Screw-PRH |

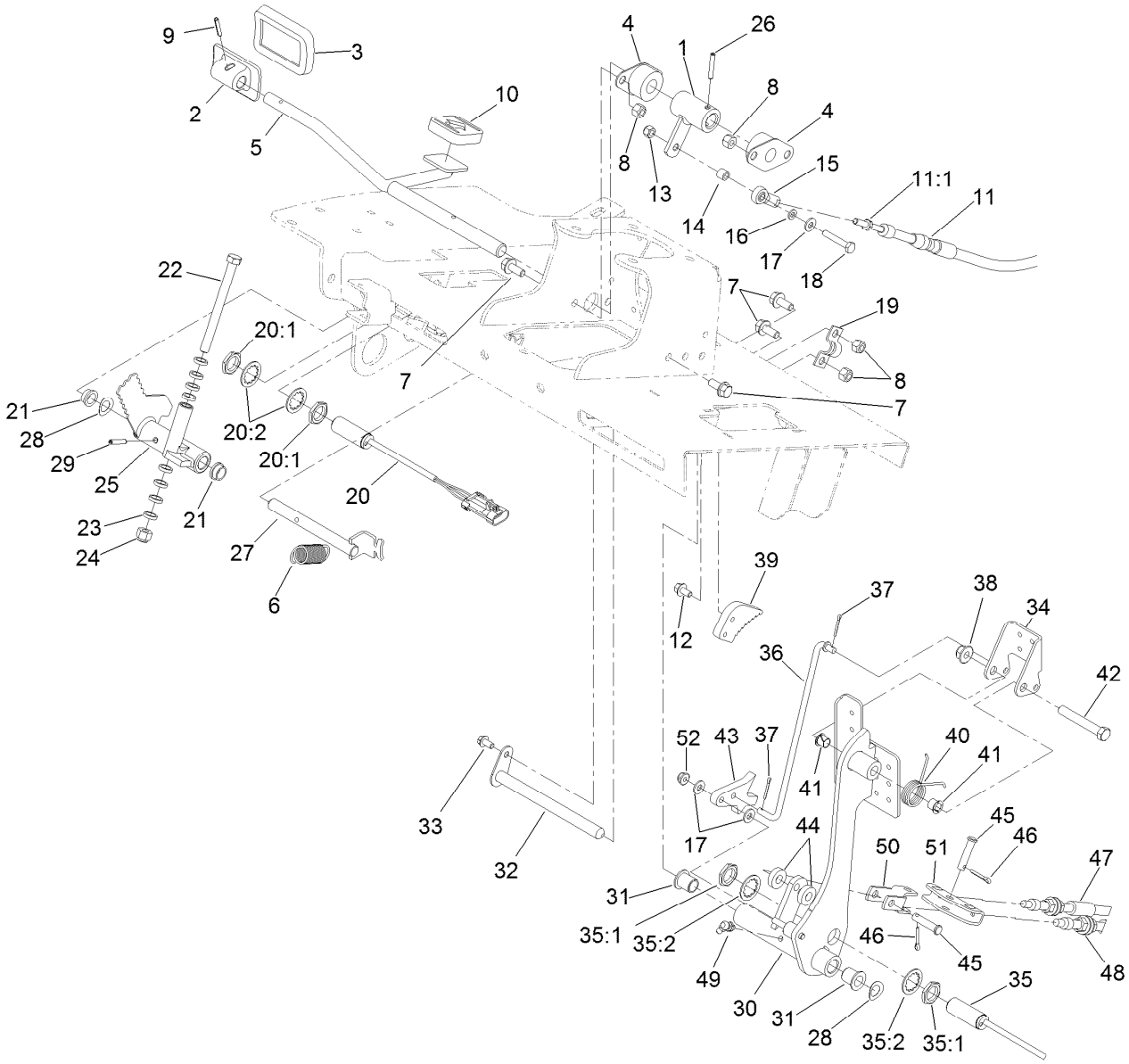
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 240-11 | 2 | Bushing-Flange |
| 18 | 66-8010 | 2 | Spacer |
| 19 | 93-6028 | 1 | Plate-Logo |
| 20 | 94-9024 | 2 | Lamp ASM |
| 20:1 | 95-0909 | 1 | Lamp-12 Volt |
| 20:2 | 3230-28 | 1 | Screw-CARR |
| 20:3 | 3253-33 | 1 | Washer-Lock |
| 20:4 | 3217-6 | 1 | Nut-Hex |
| 21 | 3254-9 | 4 | Washer-Lock, Internal |
| 22 | 110-0944 | 1 | Shroud-Platform |
| 23 | 110-0947-03 | 1 | Plate-Cover |
| 25 | 133-2930 | 1 | Decal-Danger |
| 26 | 110-8921 | 1 | Decal-Speed, Mow |
| 28 | 117-2718 | 1 | Decal-Arrester, Spark |
| 29 | 110-8876-01 | 1 | Brace-Column |




# Pedal Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-5199 | 1 | Hub-Pedal, Traction |
| 2 | 117-9507 | 1 | Pedal-Accelerator |
| 3 | 74-9100 | 1 | Pad-Pedal, Forward |
| 4 | 256-236 | 2 | Bearing-Mount, Flange |
| 5 | 106-3840 | 1 | Pedal-Traction |
| 6 | 92-7305 | 1 | Spring-Extension |
| 7 | 3234-5 | 6 | Screw-HHF |
| 8 | 3296-29 | 6 | Nut-Lock, NI |
| 9 | 32121-45 | 1 | Pin-Spring |
| 10 | 74-9110 | 1 | Pad-Pedal, Reverse |
| 11 | 127-2721 | 1 | Cable-Traction |
| 11:1 | 3220-1 | 2 | Nut-Jam |
| 12 | 3234-13 | 2 | Screw-HHF |
| 13 | 3296-42 | 1 | Nut-Lock, NI |
| 14 | 66-8010 | 1 | Spacer |
| 15 | 2411-41 | 1 | Rod End-Ball Joint |
| 16 | 33093-00 | 1 | Washer-Flat |
| 17 | 3256-22 | 3 | Washer-Flat |
| 18 | 321-9 | 1 | Screw-HH |
| 19 | 93-2092 | 1 | Clamp-Cable |
| 20 | 115-0282 | 1 | Proximity Sensor ASM |

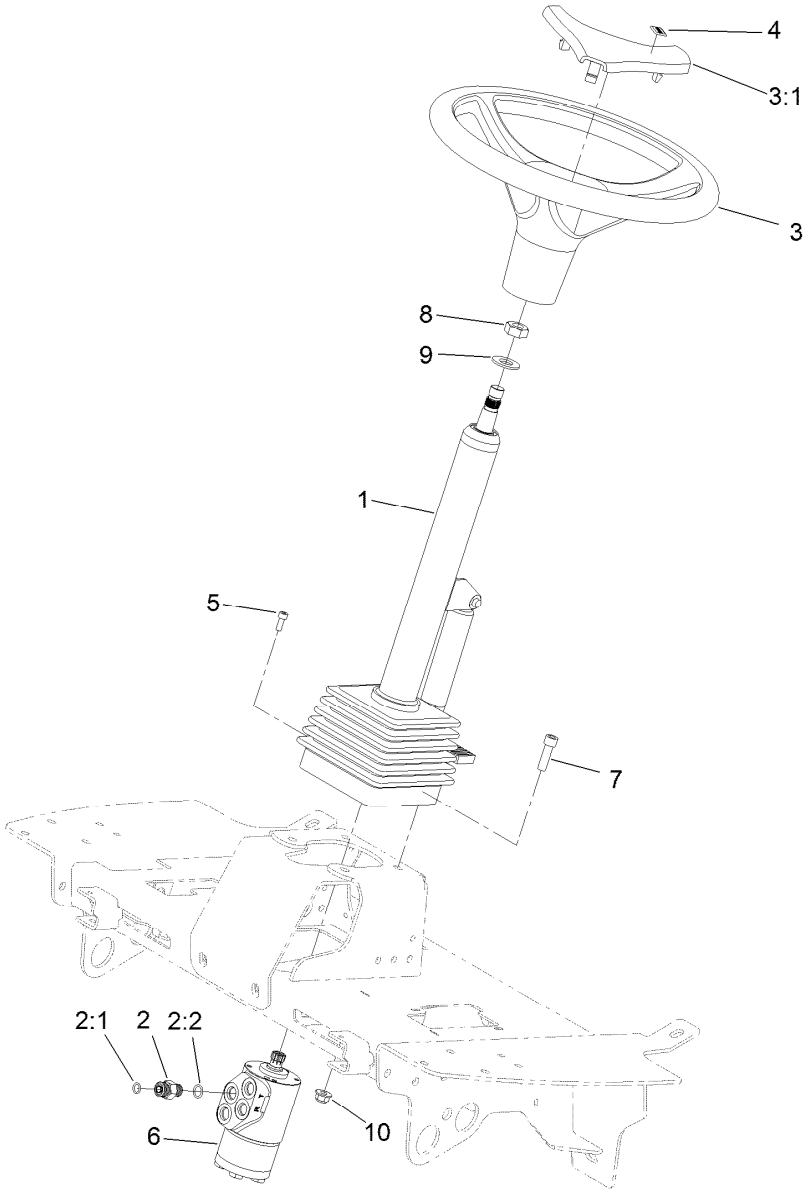
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20:1 | 117-3207 | 2 | Nut-Hex |
| 20:2 | 117-3208 | 2 | Washer-Lock, Internal Tooth |
| 21 | 256-156 | 2 | Bushing-Flange |
| 22 | 323-17 | 1 | Screw-HH |
| 23 | 62-4420 | 8 | Washer |
| 24 | 3296-39 | 1 | Nut-Lock, NI |
| 25 | 117-8066 | 1 | Mow-Stop |
| 26 | 32121-6 | 1 | Pin-Roll, Slotted |
| 27 | 106-3731 | 1 | Rod-Pivot |
| 28 | 110-8982 | 2 | Washer-Spring |
| 29 | 32121-16 | 1 | Pin-Spring |
| 30 | 115-0120-03 | 1 | Pedal-Brake |
| 31 | 125-8775 | 2 | Bushing-Flange |
| 32 | 104-7179 | 1 | Pivot-Pedal |
| 33 | 32144-4 | 1 | Screw-HWH |
| 34 | 99-7963-03 | 1 | Pedal-Park |
| 35 | 115-5300 | 1 | Proximity Switch ASM |
| 35:1 | 117-3207 | 2 | Nut-Hex |
| 35:2 | 117-3208 | 2 | Washer-Lock, Internal Tooth |
| 36 | 115-0129 | 1 | Rod-Pawl, Brake |
| 37 | 3272-6 | 2 | Pin-Cotter |




# Pedal Assembly (continued)

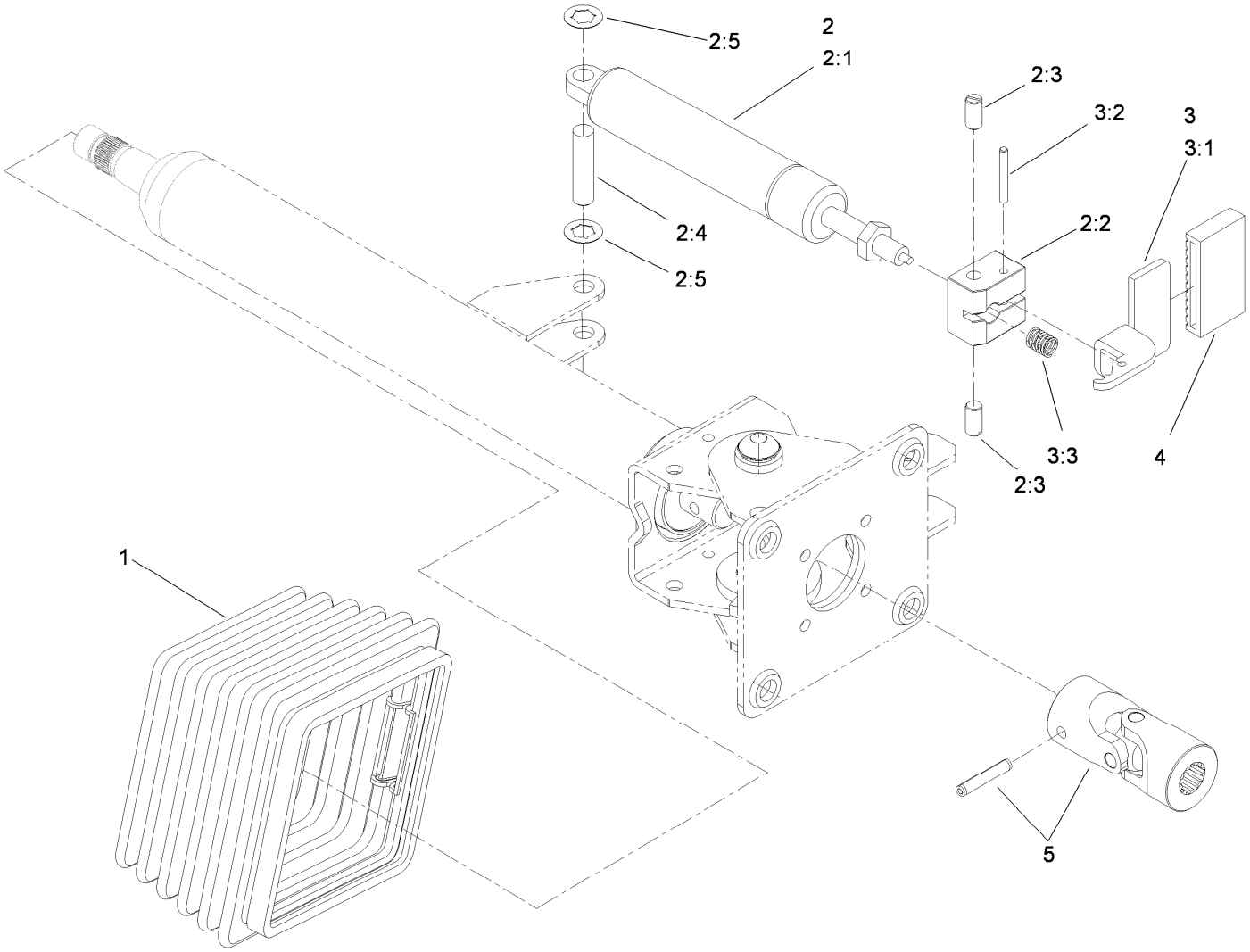
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 38 | 104-8301 | 1 | Nut-HF, NI |
| 39 | 99-7214 | 1 | Pawl-Brake |
| 40 | 99-7140 | 1 | Spring-Torsion |
| 41 | 52-2891 | 2 | Bushing-Flanged, Nylon |
| 42 | 323-12 | 1 | Screw-HH |
| 43 | 117-0238 | 1 | Detent |
| 44 | 5-0652 | 2 | Spacer |
| 45 | 283-14 | 2 | Pin-Clevis |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 46 | 3272-10 | 2 | Pin-Cotter |
| 47 | 117-0106 | 1 | Cable-Brake, RH |
| 48 | 117-0107 | 1 | Cable-Brake, LH |
| 49 | 302-60 | 1 | Fitting-Grease |
| 50 | 115-8060 | 1 | Clevis-Double |
| 51 | 115-8059 | 1 | Yoke-Cable |
| 52 | 104-7201 | 1 | Nut-HF, NI |




# Steering Assembly

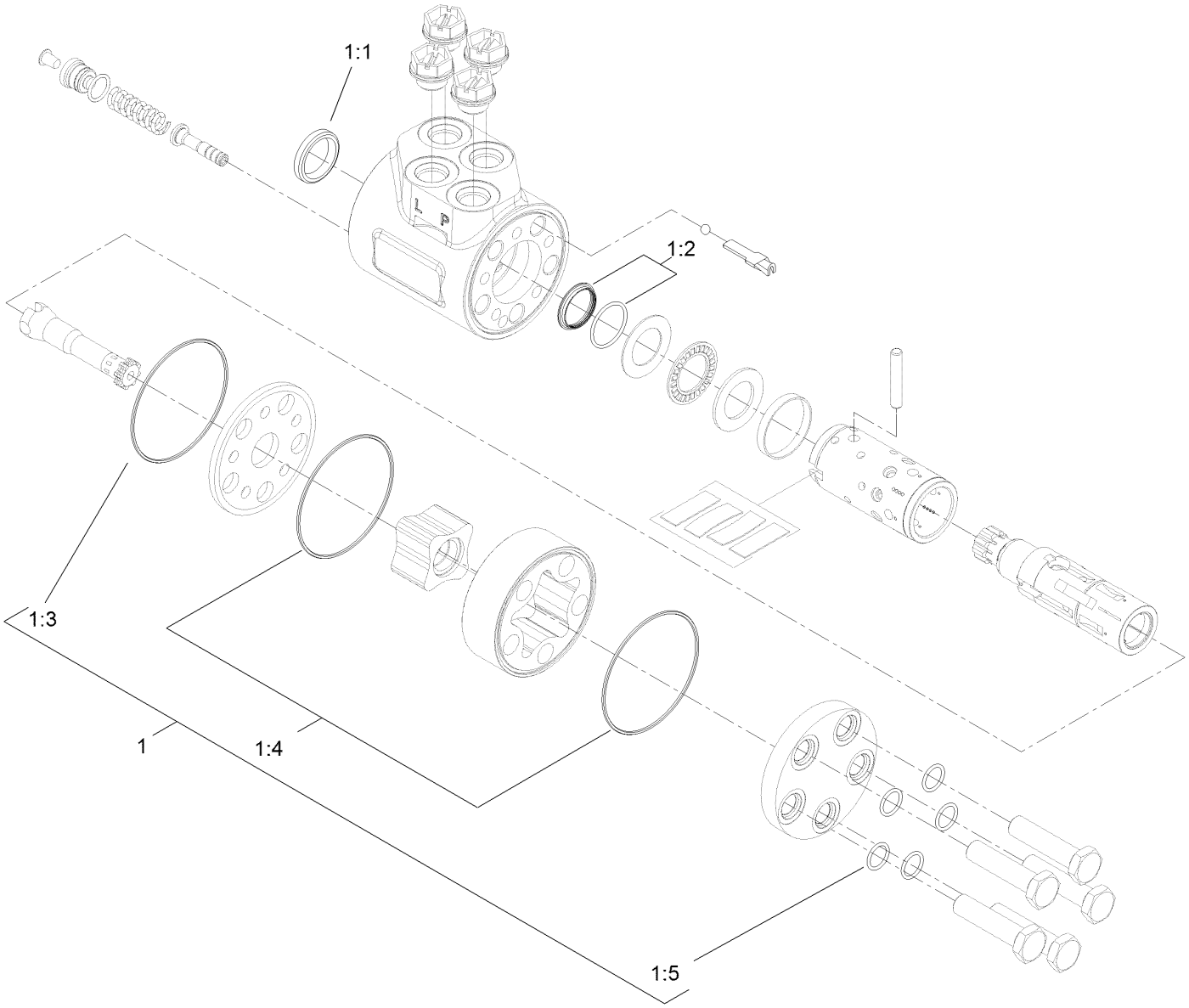
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 106-3622 | 1 | Steering Tilt Column ASM |
| 2 | 340-2 | 4 | Fitting-Straight |
| 2:1 | 237-22 | 1 | O-Ring |
| 2:2 | 237-42 | 1 | O-Ring |
| 3 | 98-1471 | 1 | Wheel-Steering |
| 3:1 | 98-1468 | 1 | Cover-Wheel, Steering |
| 4 | 98-1459 | 1 | Decal |
| 5 | 105-2409 | 4 | Screw-HSH |
| 6 | 106-3621 | 1 | Steering Valve ASM |
| 7 | 3274-1 | 4 | Screw-HSH |
| 8 | 3296-33 | 1 | Nut-Lock, NI |
| 9 | 3256-27 | 1 | Washer-Flat |
| 10 | 104-8301 | 4 | Nut-HF, NI |




# Steering Tilt Column Assembly No. 106-3622

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-6462 | 1 | Bellows-Rubber |
| 2 | 110-6463 | 1 | Cylinder Service Kit |
| 2:1 | | 1 | Cylinder-Gas ● |
| 2:2 | | 1 | Block-Pedal ● |
| 2:3 | | 2 | Bolt ● |
| 2:4 | | 1 | Pin ● |
| 2:5 | | 2 | Washer-Lock ● |
| 3 | 110-6464 | 1 | Pedal Service Kit |
| 3:1 | | 1 | Pedal ● |
| 3:2 | | 1 | Pin ● |
| 3:3 | | 1 | Spring ● |
| 4 | 110-6465 | 1 | Cover-Pedal |
| 5 | 120-6256 | 1 | Universal Joint Kit |

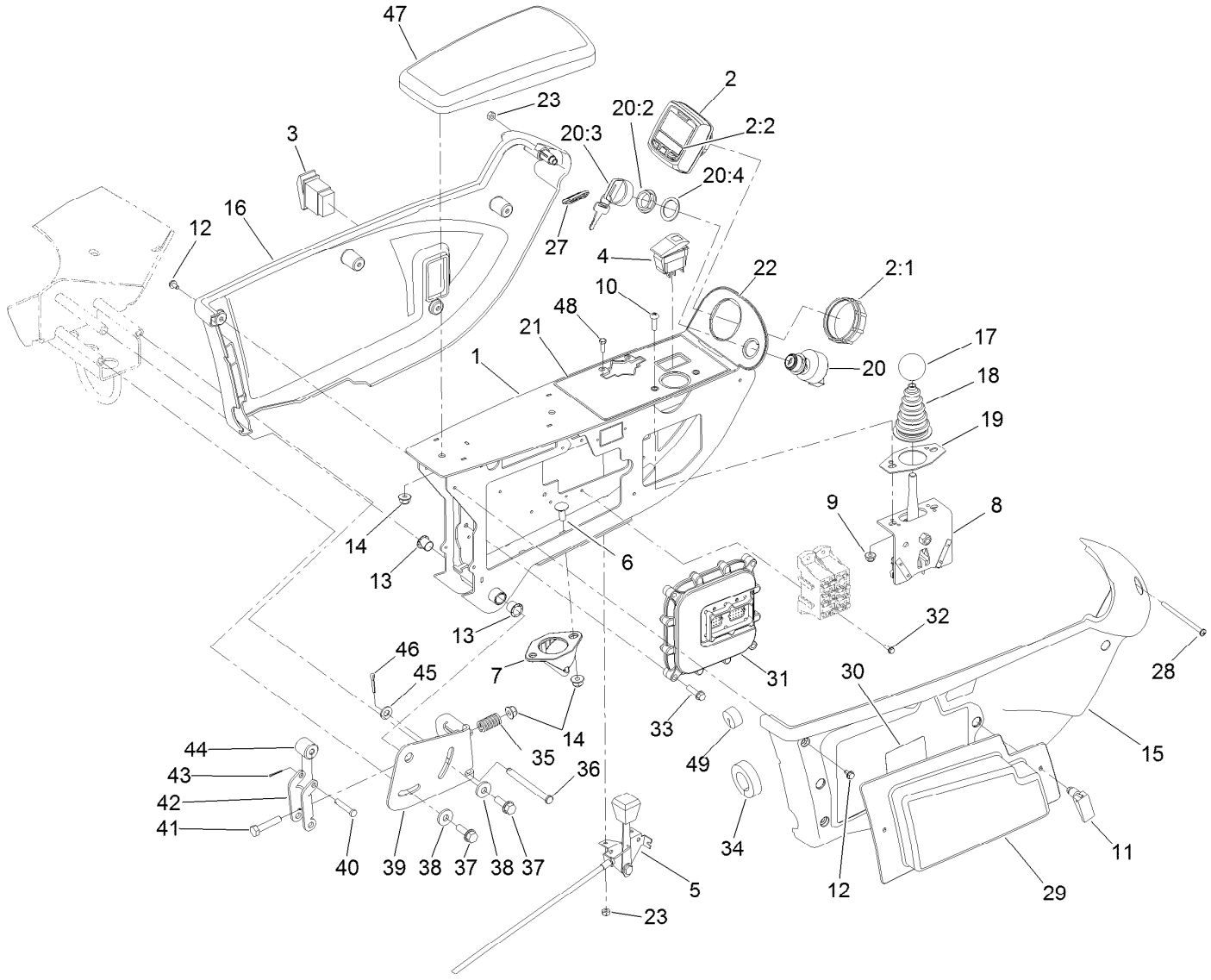
● Not serviced separately




# Steering Valve Assembly No. 106-3621

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

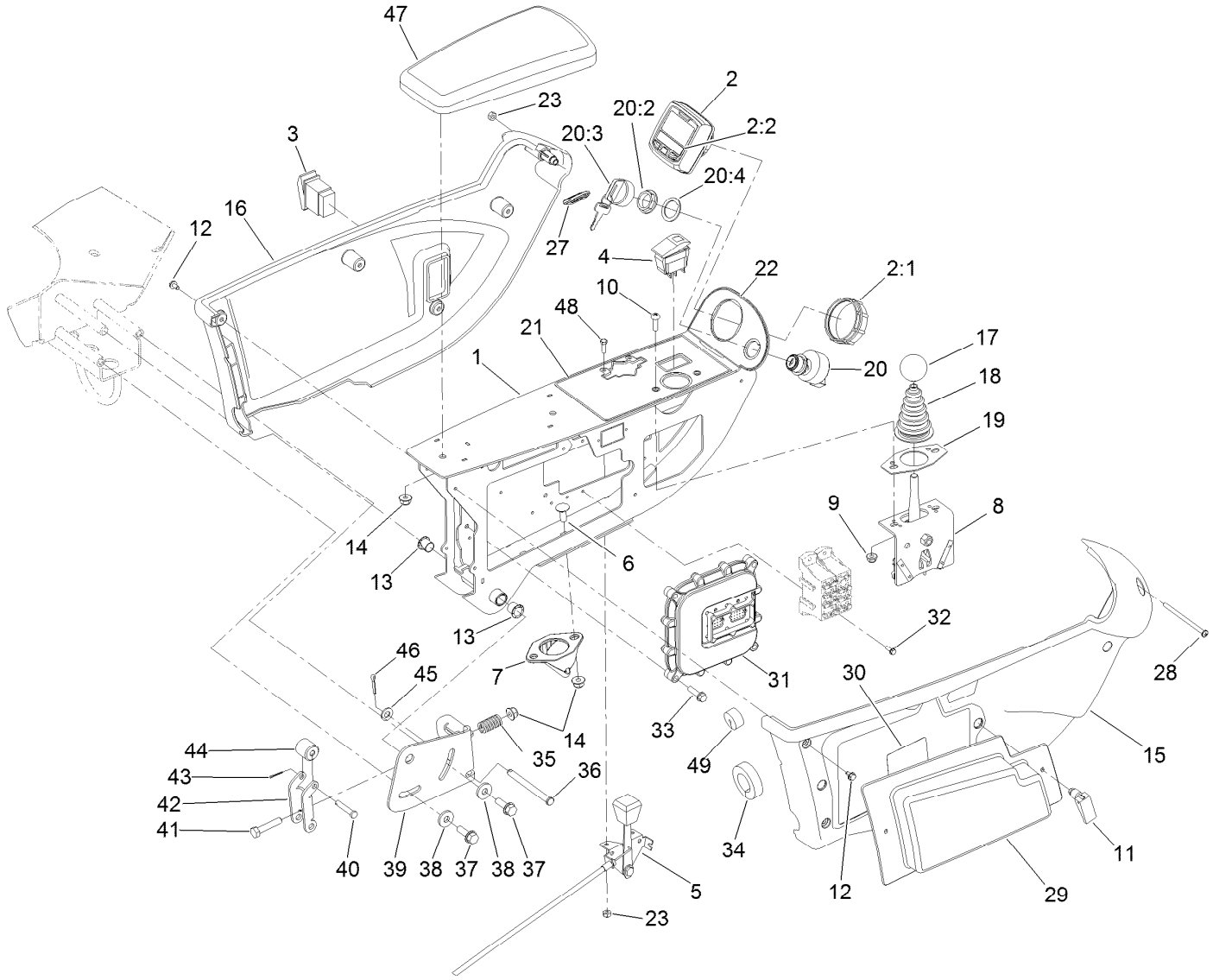
● Not serviced separately




# Control Arm Assembly

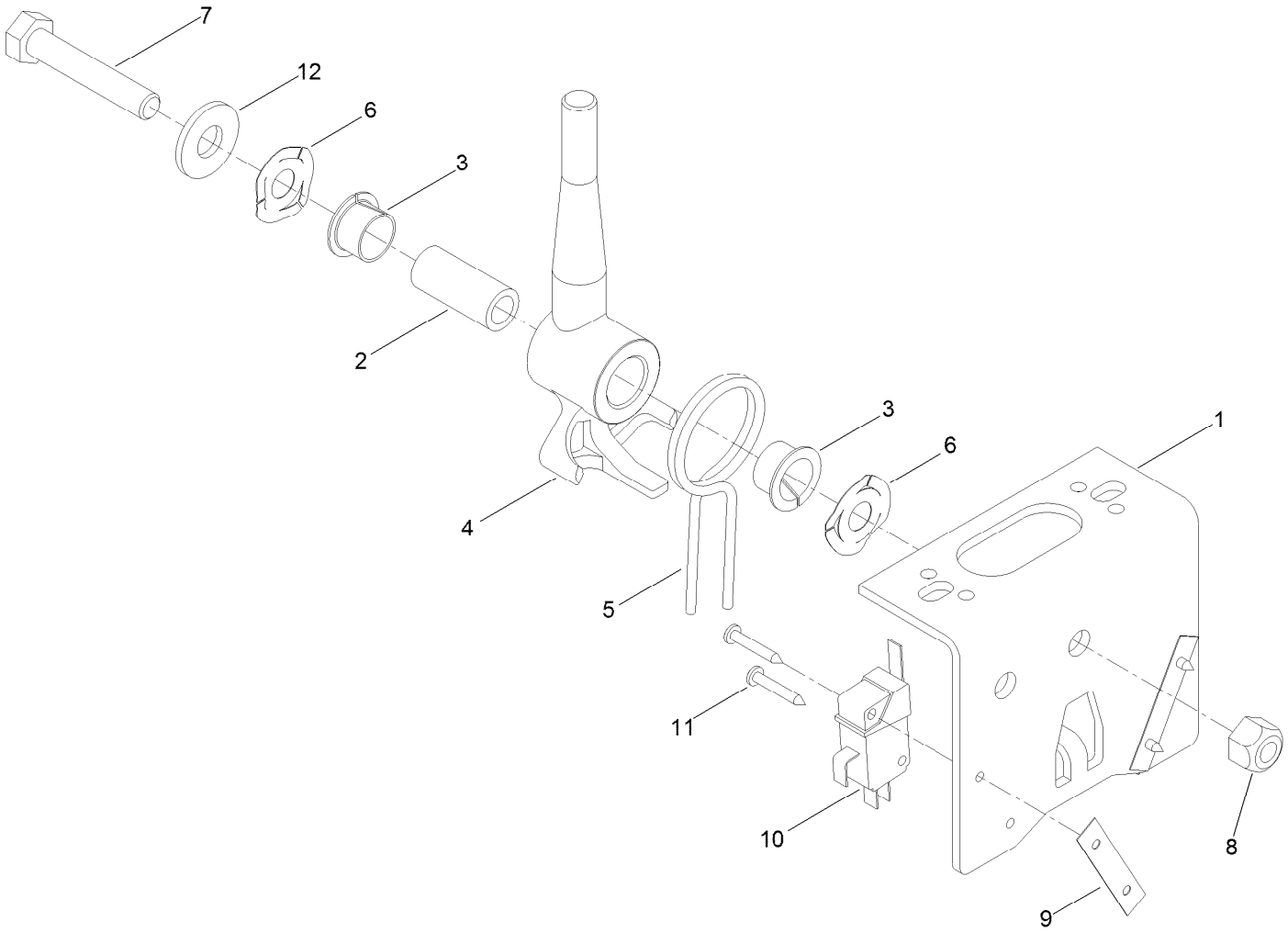
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-3801-03 | 1 | Frame-Arm, Control |
| 2 | 120-6310 | 1 | LCD Display ASM |
| 2:1 | 120-4630 | 1 | Nut-Display |
| 2:2 | 120-6311 | 1 | Decal-Display |
| 3 | 95-8999 | 1 | Switch |
| 4 | 105-4232 | 1 | Switch |
| 5 | 133-2929 | 1 | Control-Throttle |
| 6 | 3230-23 | 2 | Bolt-CARR |
| 7 | 125-1938 | 1 | Latch |
| 8 | 120-5280 | 1 | Bracket-Joystick |
| 9 | 104-7201 | 2 | Nut-HF, NI |
| 10 | 3258-166 | 2 | Screw-PRH |
| 11 | 74-5950 | 2 | Latch-Swell |
| 12 | 104-2065 | 10 | Screw-HWH |
| 13 | 256-257 | 2 | Bushing-Nyliner |
| 14 | 104-8300 | 5 | Nut-HF, NI |
| 15 | 108-7605 | 1 | Cover-RH |
| 16 | 108-7604 | 1 | Cover-LH |
| 17 | 233-42 | 1 | Knob |
| 18 | 93-5961 | 1 | Boot-Lever |
| 19 | 112-9181 | 1 | Plate-Boot |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 106-5269 | 1 | Ignition Switch ASM |
| 20:2 | 108-8660 | 1 | Nut-Mounting |
| 20:3 | 106-5270 | 1 | Ignition Key Set |
| 20:4 | 108-8659 | 1 | Washer-Backup |
| 21 | 121-5644 | 1 | Decal-Control Panel |
| 22 | 120-4158 | 1 | Decal-Console, Upper |
| 23 | 3296-2 | 3 | Nut-Lock, NI |
| 27 | 99-8970 | 1 | Key-Latch, Hood |
| 28 | 3250-22 | 1 | Screw-PPH |
| 29 | 114-0446 | 1 | Panel-Access |
| 30 | 117-0169 | 1 | Decal-Fuses |
| 31 | 114-3321 | 1 | Controller-Tec |
| 32 | 32144-87 | 4 | Screw-HWHTF |
| 33 | 32144-86 | 4 | Screw-HWHTF |
| 34 | 110-8912 | 1 | Seal-Foam |
| 35 | 110-5331 | 1 | Spring-Compression |
| 36 | 283-88 | 1 | Pin-Clevis |
| 37 | 3234-29 | 2 | Screw-HHF |
| 38 | 4-2390 | 2 | Washer-Flat |
| 39 | 110-5313-03 | 1 | Bracket-Retainer |
| 40 | 283-73 | 1 | Pin-Clevis |



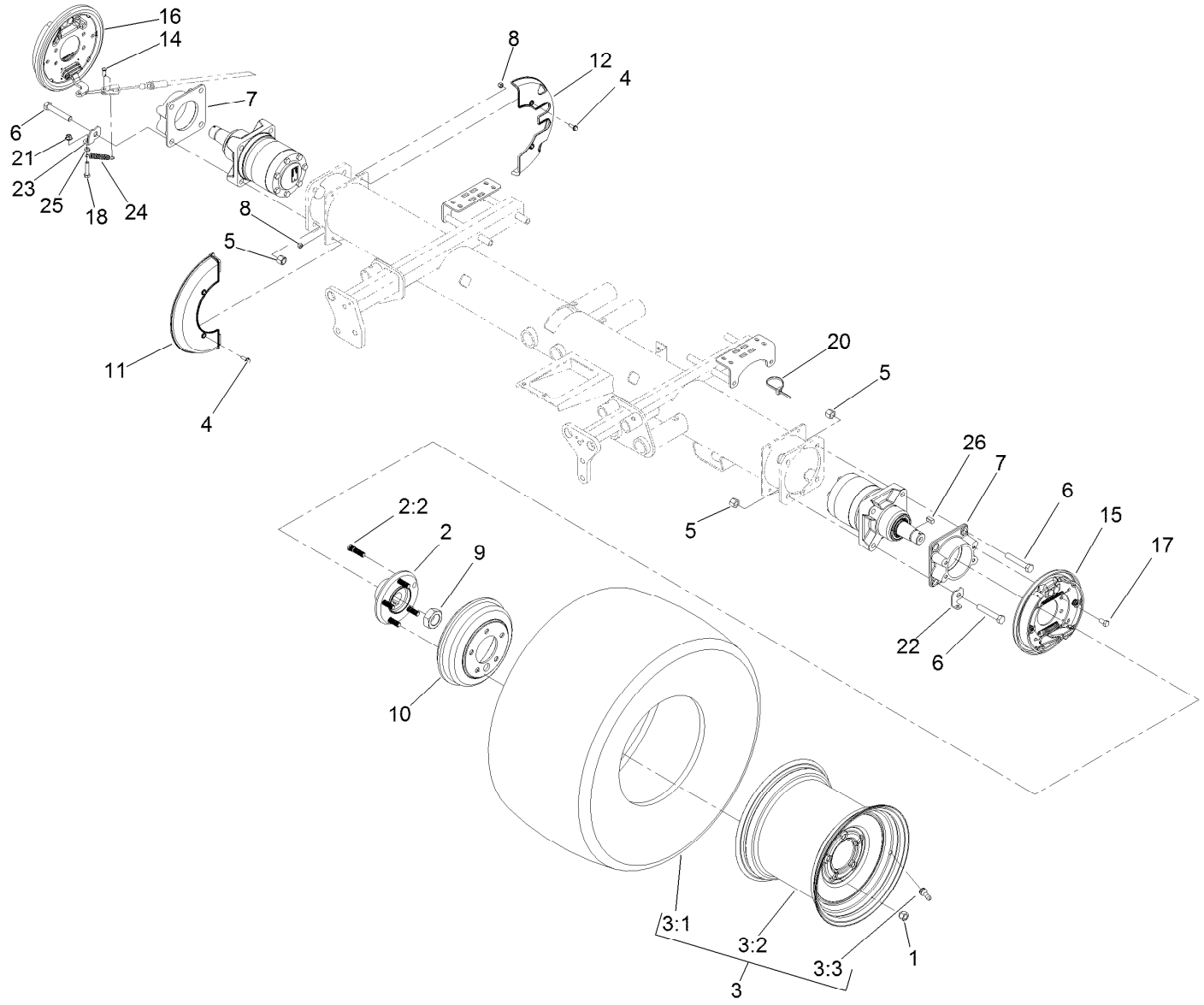

# Control Arm Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 41 | 322-7 | 1 | Screw-HH |
| 42 | 110-5314 | 1 | Latch |
| 43 | 3272-1 | 1 | Pin-Cotter |
| 44 | 110-8856 | 1 | Spacer |
| 45 | 3256-23 | 1 | Washer-Plain |
| 46 | 3272-10 | 1 | Pin-Cotter |
| 47 | 108-7602 | 1 | Rest-Arm |
| 48 | 3290-134 | 2 | Screw |
| 49 | 110-8911 | 1 | Seal-Foam |




# Joystick Bracket Assembly No. 120-5280

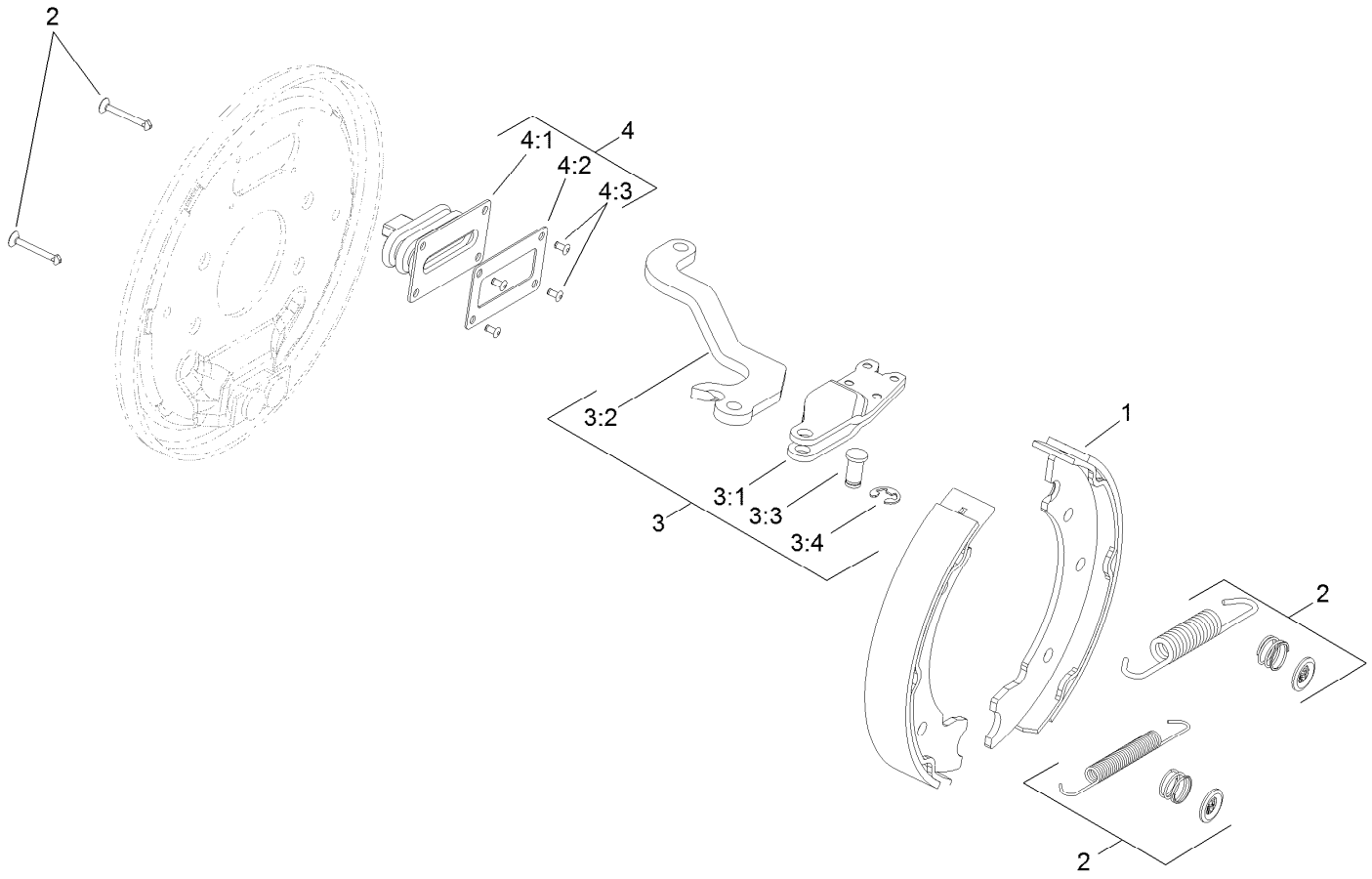
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 115-5357-03 | 1 | Bracket-Joystick |
| 2 | 106-4192 | 1 | Spacer |
| 3 | 93-5547 | 2 | Bushing-Nylon |
| 4 | 119-3540 | 1 | Hub-Pivot, Joystick |
| 5 | 105-8289 | 1 | Spring-Torsion |
| 6 | 106-4193 | 2 | Washer-Finger, Spring |
| 7 | 322-9 | 1 | Screw-HH |
| 8 | 3296-29 | 1 | Nut-Lock, NI |
| 9 | 3290-354 | 2 | Nut-Speed |
| 10 | 108-6496 | 2 | Switch (W/Boot) |
| 11 | 95-3003 | 4 | Screw-PPHTF |
| 12 | 3256-3 | 1 | Washer-Flat |




# Front Axle Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 242-50 | 10 | Nut-Lug |
| 2 | 121-5631 | 2 | Hub ASM |
| 2:2 | 114-3918 | 5 | Stud-Wheel |
| 3 | 117-5194 | 2 | Tire ASM |
| 3:1 | 117-5196 | 1 | Tire |
| 3:2 | 117-5197 | 1 | Wheel |
| 3:3 | 232-27 | 1 | Stem-Valve |
| 4 | 115-5103 | 8 | Screw-HHF |
| 5 | 3296-23 | 8 | Nut-Lock, NI |
| 6 | 325-12 | 8 | Screw-HH |
| 7 | 120-6253-03 | 2 | Adapter-Brake |
| 8 | 3296-42 | 8 | Nut-Lock, NI |
| 9 | 117-3290 | 2 | Nut-Hex |
| 10 | 114-8864 | 2 | Drum-Brake |

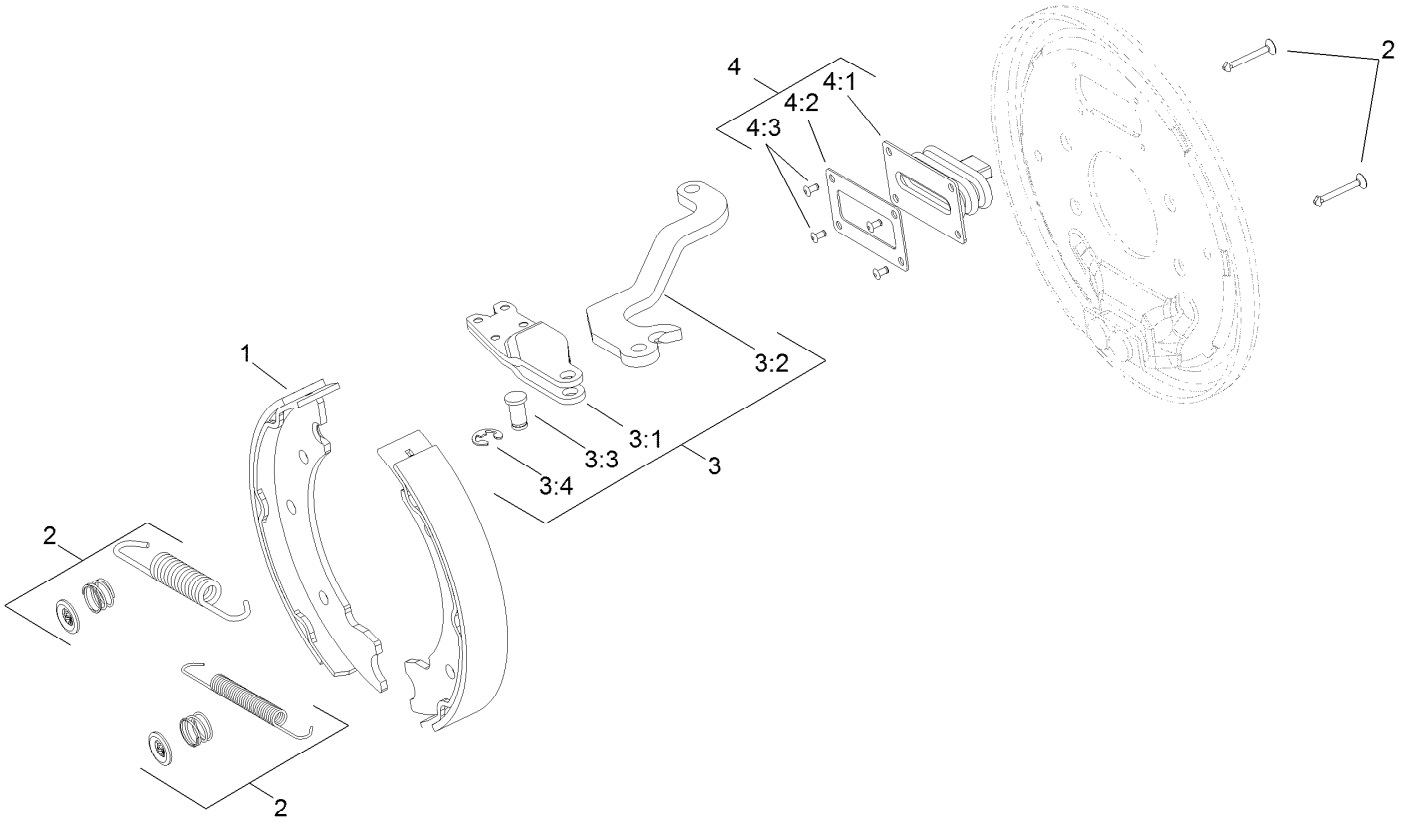
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 11 | 127-2741 | 2 | Shield-Wheel, Front |
| 12 | 127-2742 | 2 | Shield-Wheel, Rear |
| 14 | 283-62 | 2 | Pin-Clevis |
| 15 | 120-6261 | 1 | LH Brake ASM |
| 16 | 120-6260 | 1 | RH Brake ASM |
| 17 | 323-4 | 8 | Screw-HH |
| 18 | 322-7 | 2 | Screw-HH |
| 20 | 3290-378 | 2 | Tie-Cable |
| 21 | 104-8300 | 2 | Nut-HF, NI |
| 22 | 120-6267 | 1 | Clip-Spring, LH |
| 23 | 120-6266 | 1 | Clip-Spring, RH |
| 24 | 87-4020 | 2 | Spring-Extension |
| 25 | 3218-2 | 2 | Nut-Hex Jam |
| 26 | 117-5198 | 2 | Key-Square |




# LH Brake Assembly No. 120-6261

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 108-6981 | 1 | Brake Shoe Kit |
| 2 | 108-6983 | 1 | Brake Hardware Kit |
| 3 | 110-8910 | 1 | LH Actuator Kit |
| 3:1 | | 1 | Housing ● |
| 3:2 | | 1 | Lever-LH ● |
| 3:3 | | 1 | Pin-Pivot ● |
| 3:4 | | 1 | E-Ring ● |
| 4 | 110-8885 | 1 | Dust Boot Kit |
| 4:1 | | 1 | Boot ● |
| 4:2 | | 1 | Plate-Back Up ● |
| 4:3 | | 2 | Rivet ● |

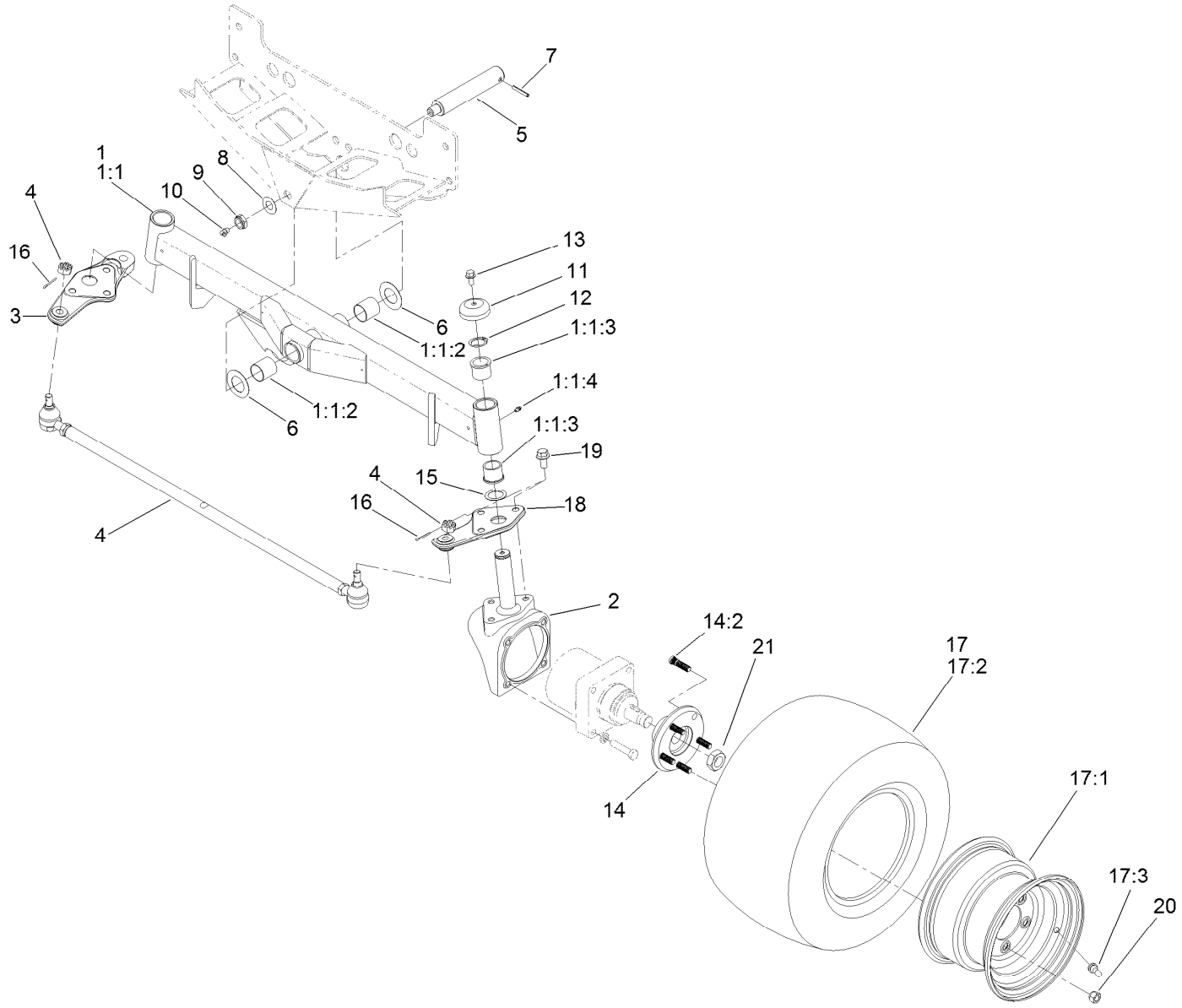
● Not serviced separately




# RH Brake Assembly No. 120-6260

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 108-6981 | 1 | Brake Shoe Kit |
| 2 | 108-6983 | 1 | Brake Hardware Kit |
| 3 | 110-8884 | 1 | RH Actuator Kit |
| 3:1 | | 1 | Housing ● |
| 3:2 | | 1 | Lever-RH ● |
| 3:3 | | 1 | Pin-Pivot ● |
| 3:4 | | 1 | E-Ring ● |
| 4 | 110-8885 | 1 | Dust Boot Kit |
| 4:1 | | 1 | Boot ● |
| 4:2 | | 1 | Plate-Back Up ● |
| 4:3 | | 2 | Rivet ● |

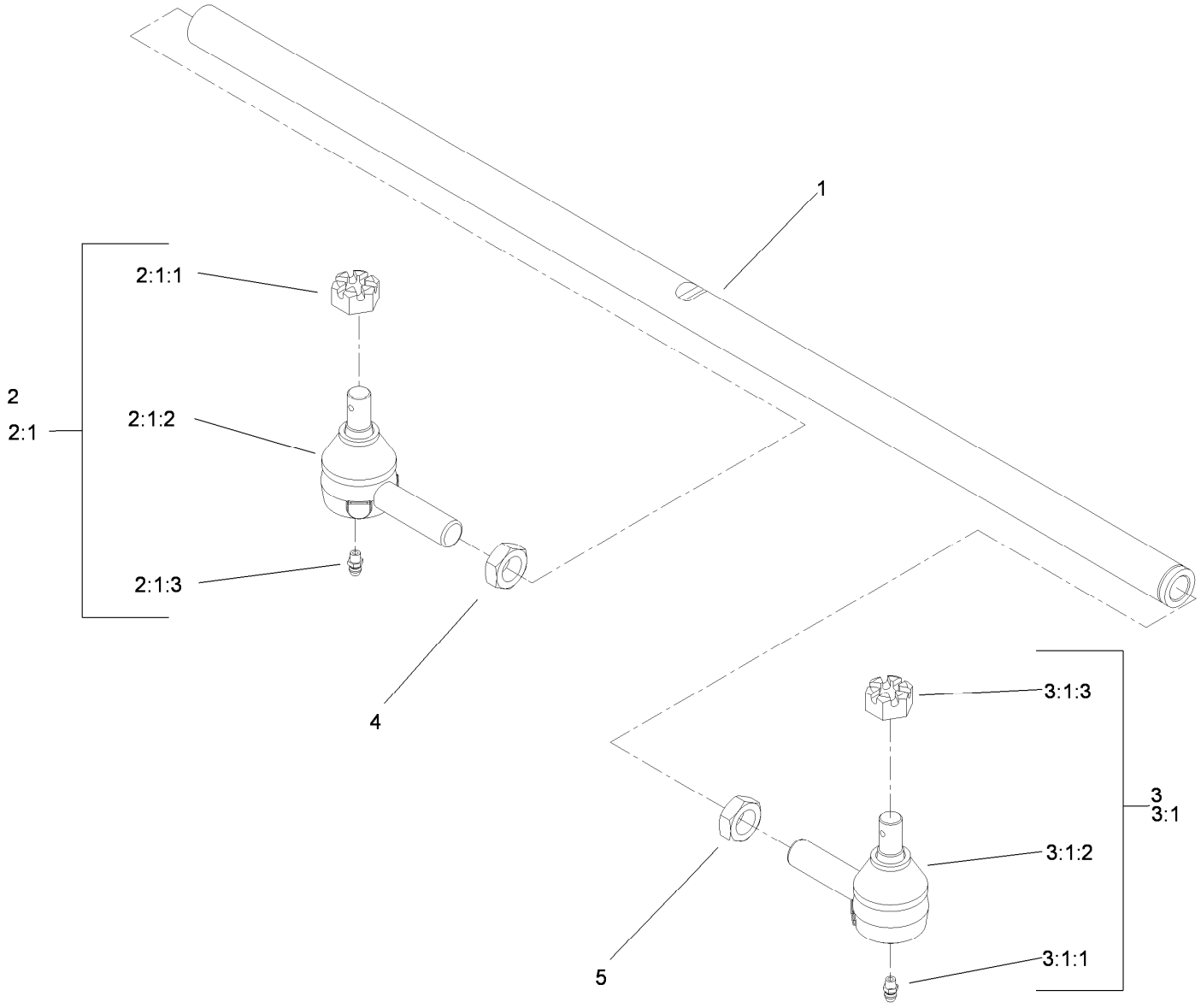
● Not serviced separately




# Rear Axle Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-0256-03 | 1 | Axle ASM |
| 1:1 | | 1 | Axle ● |
| 1:1:2 | 99-6964 | 2 | Bushing-Axle |
| 1:1:3 | 104-0015 | 4 | Bushing-Flange |
| 1:1:4 | 302-5 | 2 | Fitting-Grease |
| 2 | 107-4517-03 | 2 | Housing-Motor |
| 3 | 110-5295-03 | 1 | Link-Drag, RH |
| 4 | 110-5334-03 | 1 | Tie Rod ASM |
| 5 | 98-8173 | 1 | Pin-Pivot, Axle |
| 6 | 99-8432 | 2 | Washer-Thrust |
| 7 | 32121-32 | 1 | Pin-Roll |
| 8 | 71-4540 | 1 | Washer-Thrust |
| 9 | 3296-15 | 1 | Nut-Lock, NI |
| 10 | 302-33 | 1 | Fitting-Grease |
| 11 | 69-8890 | 2 | Cap-Spindle |
| 12 | 32151-77 | 2 | Ring-Retaining, External |
| 13 | 3234-1 | 2 | Screw-HHF |
| 14 | 121-5633 | 2 | Hub ASM |
| 14:2 | 114-3918 | 5 | Stud-Wheel |
| 15 | 76-2980 | 2 | Washer-Thrust |
| 16 | 3272-12 | 2 | Pin-Cotter |
| 17 | 117-0281 | 2 | Rim And Tire ASM |
| 17:1 | 117-0280 | 1 | Rim |
| 17:2 | 117-5125 | 1 | Tire |
| 17:3 | 232-27 | 1 | Stem-Valve |
| 18 | 110-5297-03 | 1 | Link-Drag, LH |
| 19 | 3234-6 | 6 | Screw-HHF |
| 20 | 242-50 | 10 | Nut-Lug |
| 21 | 26-3790 | 2 | Nut-Lock |

● Not serviced separately



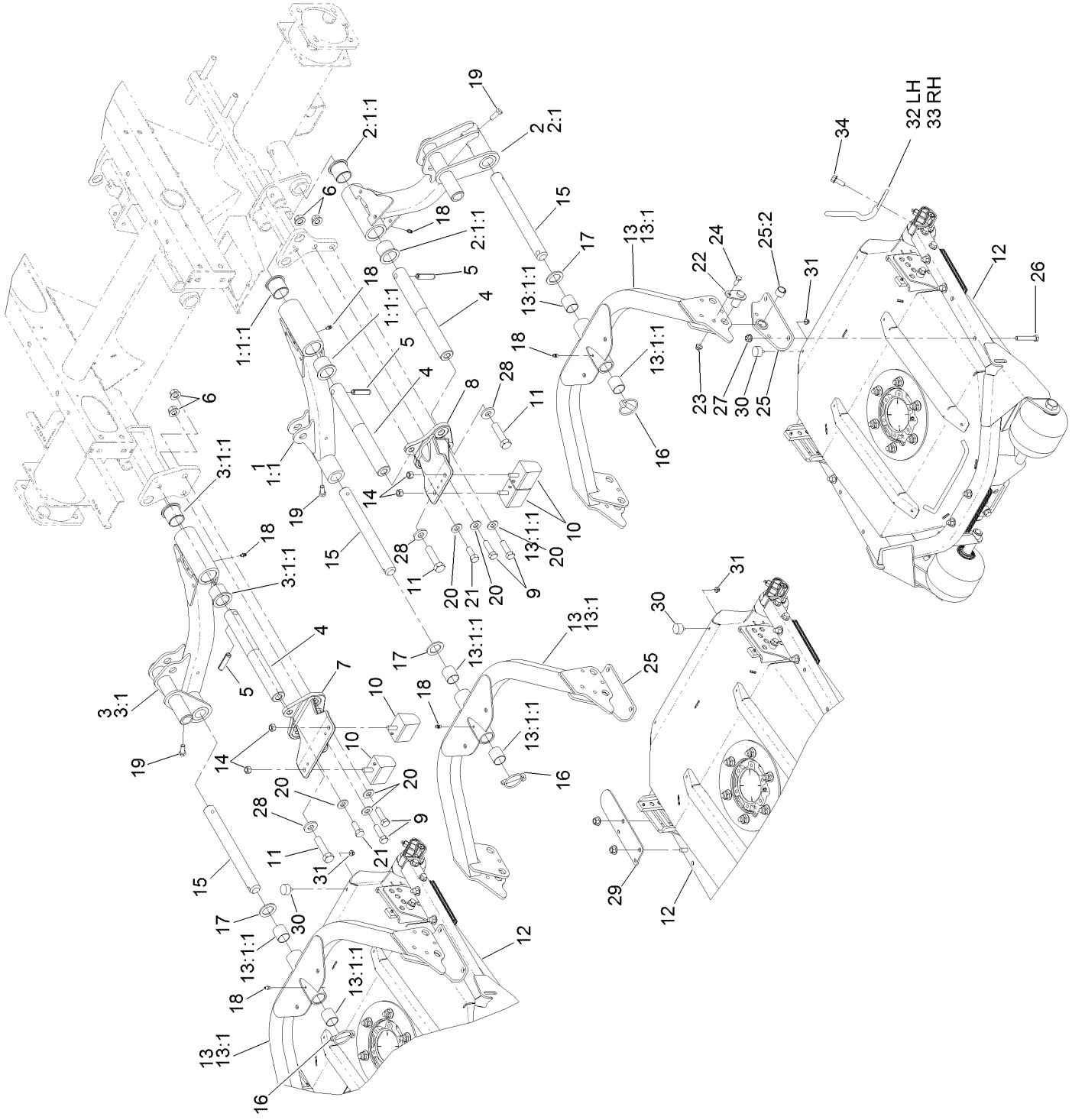

# Tie Rod Assembly No. 110-5334-03

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-5335 | 1 | Rod-Tie |
| 2 | 71-4740-03 | 1 | RH Tie Rod End ASM |
| 2:1 | | 1 | End-Rod, Tie (RH) ●■ |
| 2:1:1 | 105-7941 | 1 | Nut-Hex, Slotted ● |
| 2:1:2 | 105-7835 | 1 | Seal ● |
| 2:1:3 | 302-5 | 1 | Fitting-Grease |
| 3 | 2411-46-03 | 1 | LH Tie Rod ASM |
| 3:1 | | 1 | End-Rod, Tie (LH) ●■ |
| 3:1:1 | 302-5 | 1 | Fitting-Grease ● |
| 3:1:2 | 105-7835 | 1 | Seal ● |
| 3:1:3 | 105-7941 | 1 | Nut-Hex, Slotted ● |
| 4 | 84-5300 | 1 | Nut-Jam |
| 5 | 110-5337 | 1 | Nut-Jam |

● Not illustrated

■ Not serviced separately

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

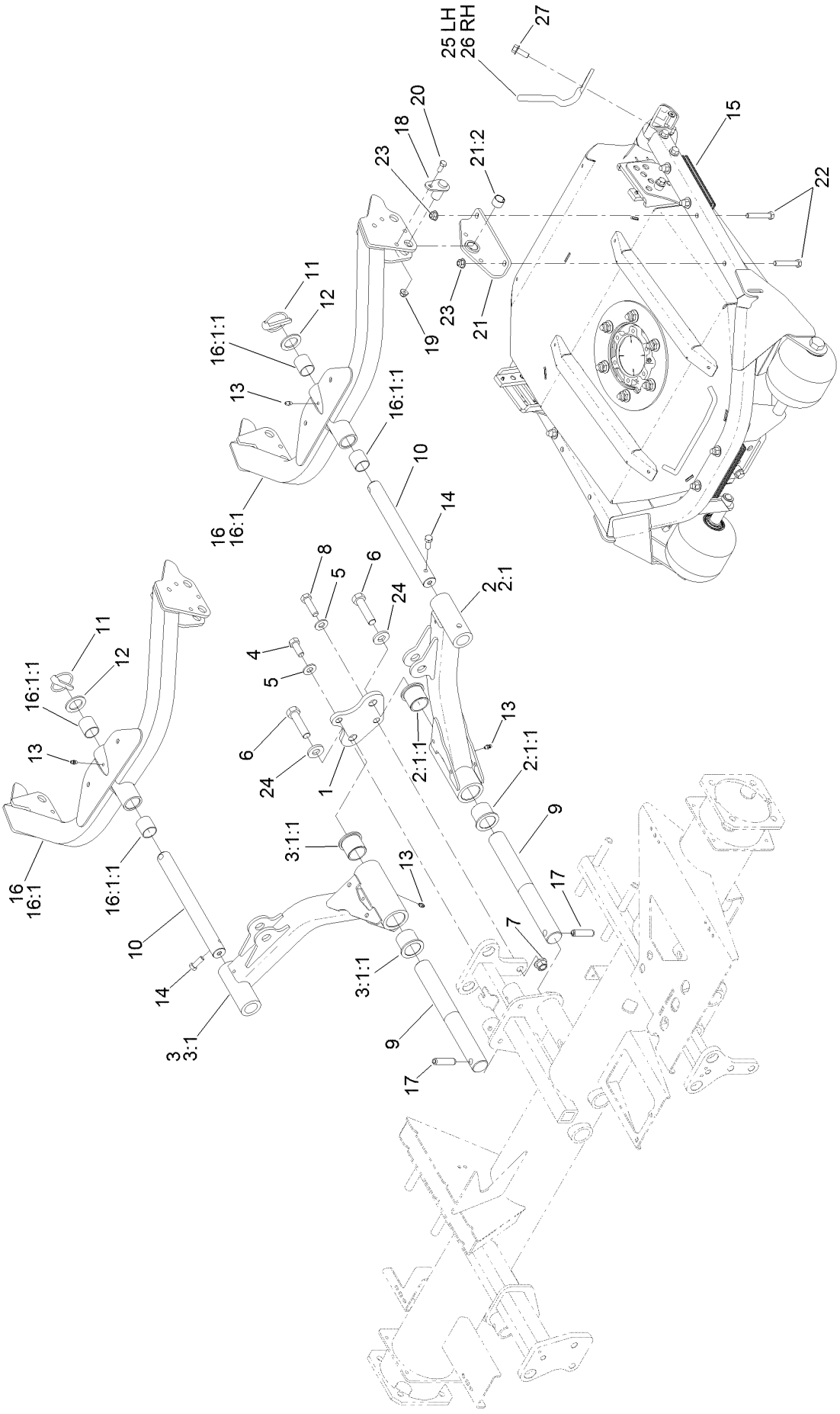


# No. 1, 4 and 5 Lift Arm and Deck Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 114-0381-03 | 1 | Arm No. 1 ASM |
| 1:1 | | 1 | Arm ● |
| 1:1:1 | 69-6470 | 2 | Bushing-Caster |
| 2 | 114-0384-03 | 1 | Arm No. 4 ASM |
| 2:1 | | 1 | Arm ● |
| 2:1:1 | 69-6470 | 2 | Bushing-Caster |
| 3 | 114-0385-03 | 1 | Arm No. 5 ASM |
| 3:1 | | 1 | Arm ● |
| 3:1:1 | 69-6470 | 2 | Bushing-Caster |
| 4 | 117-0208 | 3 | Shaft-Pivot, Liftarm |
| 5 | 32121-122 | 3 | Pin-Roll |
| 6 | 99-5107 | 4 | Nut-Lock |
| 7 | 117-0250-03 | 1 | Tippe-RH |
| 8 | 117-0252-03 | 1 | Tipper-LH |
| 9 | 325-7 | 4 | Screw-HH |
| 10 | 87-3470 | 4 | Bumper |
| 11 | 327-7 | 3 | Screw-HH |
| 12 | 30845 | 3 | 22 Inch Contour Plus Deck ASM |
| 13 | 108-7384-03 | 3 | Carrier Frame ASM |
| 13:1 | | 1 | Frame-Carrier ● |
| 13:1:1 | 108-4000 | 2 | Bushing |
| 14 | 33025-00 | 4 | Nut-Lock, NI |
| 15 | 105-7560 | 3 | Shaft-Cu Pivot |
| 16 | 283-71 | 3 | Pin-Lynch |
| 17 | 3-6781 | 3 | Washer-Thrust |
| 18 | 302-5 | 6 | Fitting-Grease |
| 19 | 323-6 | 3 | Screw-HH |
| 20 | 87-7270 | 6 | Washer-Thrust |
| 21 | 325-5 | 2 | Screw-HH |
| 22 | 117-0132 | 6 | Pin |
| 23 | 104-8300 | 6 | Nut-HF, NI |
| 24 | 322-3 | 6 | Screw-HH |
| 25 | 117-0118 | 6 | Pivot ASM |
| 25:2 | 108-8482 | 1 | Bushing-Sleeve |
| 26 | 323-11 | 12 | Screw-HH |
| 27 | 104-8301 | 12 | Nut-HF, NI |
| 28 | 99-7667 | 3 | Washer-Flat |
| 29 | 105-9831-03 | 1 | Bracket-Bumper, No. 1 |
| 30 | 240-14 | 3 | Bumper-Rubber |
| 31 | 104-7201 | 3 | Nut-HF, NI |
| 32 | 127-2613-03 | 1 | Guard-Foot, LH |
| 33 | 127-2614-03 | 1 | Guard-Foot, RH |
| 34 | 3234-11 | 2 | Screw-HHF |

● Not serviced separately

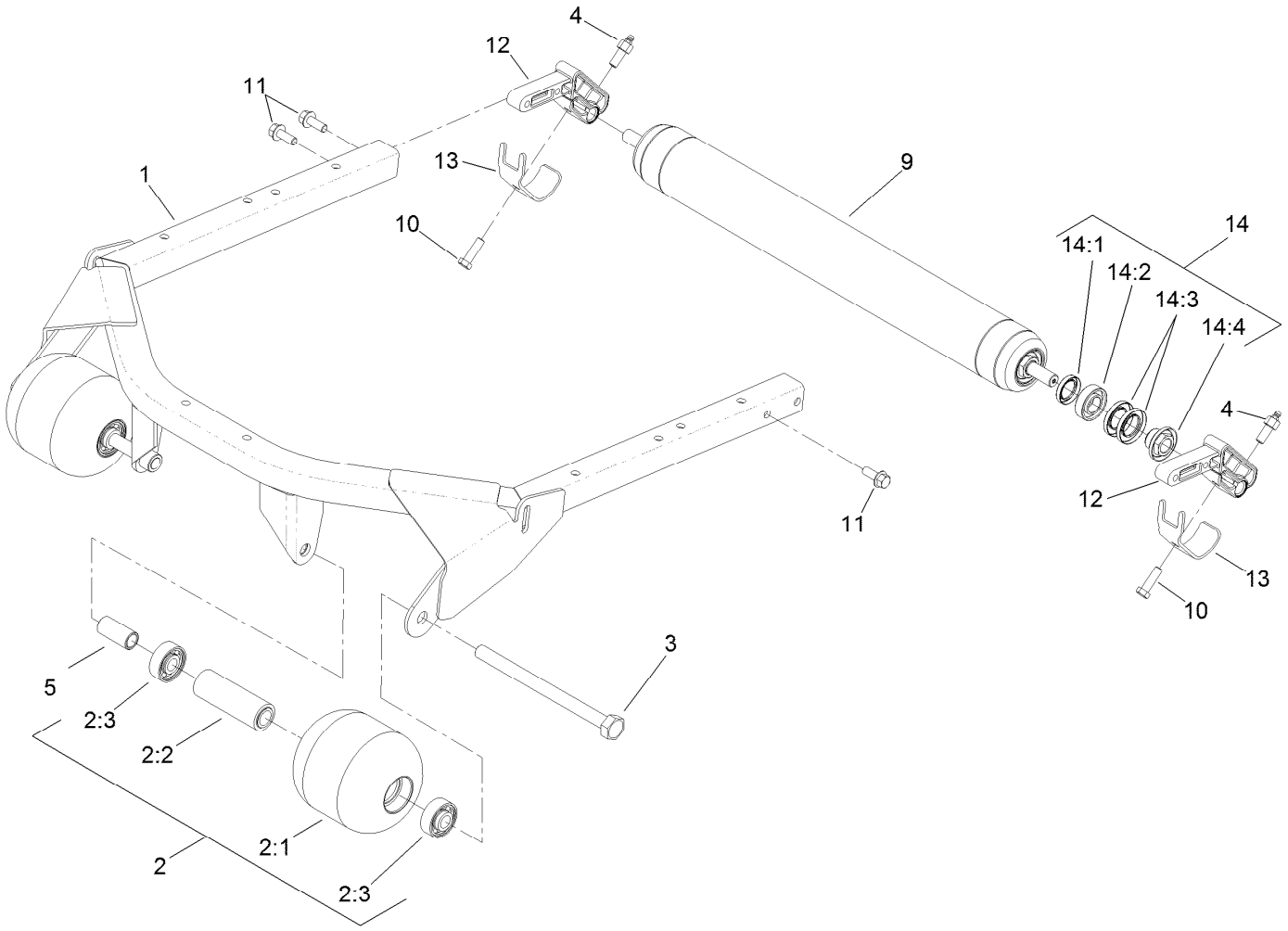
# No. 2 and 3 Lift Arm and Deck Assembly



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

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 114-0352-01 | 1 | Plate-Bridge, No. 2 And 3 |
| 2 | 114-0382-03 | 1 | Arm No. 2 ASM |
| 2:1 | | 1 | Arm ● |
| 2:1:1 | 69-6470 | 2 | Bushing-Caster |
| 3 | 114-0383-03 | 1 | Arm No. 3 ASM |
| 3:1 | | 1 | Arm ● |
| 3:1:1 | 69-6470 | 2 | Bushing-Caster |
| 4 | 325-5 | 1 | Screw-HH |
| 5 | 87-7270 | 2 | Washer-Thrust |
| 6 | 327-7 | 2 | Screw-HH |
| 7 | 99-5107 | 1 | Nut-Lock |
| 8 | 325-7 | 1 | Screw-HH |
| 9 | 117-0208 | 2 | Shaft-Pivot, Liftarm |
| 10 | 105-7560 | 2 | Shaft-Cu Pivot |
| 11 | 283-71 | 2 | Pin-Lynch |
| 12 | 3-6781 | 2 | Washer-Thrust |
| 13 | 302-5 | 4 | Fitting-Grease |
| 14 | 323-6 | 2 | Screw-HH |
| 15 | 30845 | 2 | 22 Inch Contour Plus Deck ASM |
| 16 | 108-7384-03 | 2 | Carrier Frame ASM |
| 16:1 | | 1 | Frame-Carrier ● |
| 16:1:1 | 108-4000 | 2 | Bushing |
| 17 | 32121-122 | 2 | Pin-Roll |
| 18 | 117-0132 | 4 | Pin |
| 19 | 104-8300 | 4 | Nut-HF, NI |
| 20 | 322-3 | 4 | Screw-HH |
| 21 | 117-0118 | 4 | Pivot ASM |
| 21:2 | 108-8482 | 1 | Bushing-Sleeve |
| 22 | 323-11 | 8 | Screw-HH |
| 23 | 104-8301 | 8 | Nut-HF, NI |
| 24 | 99-7667 | 2 | Washer-Flat |
| 25 | 127-2613-03 | 1 | Guard-Foot, LH |
| 26 | 127-2614-03 | 1 | Guard-Foot, RH |
| 27 | 3234-11 | 2 | Screw-HHF |

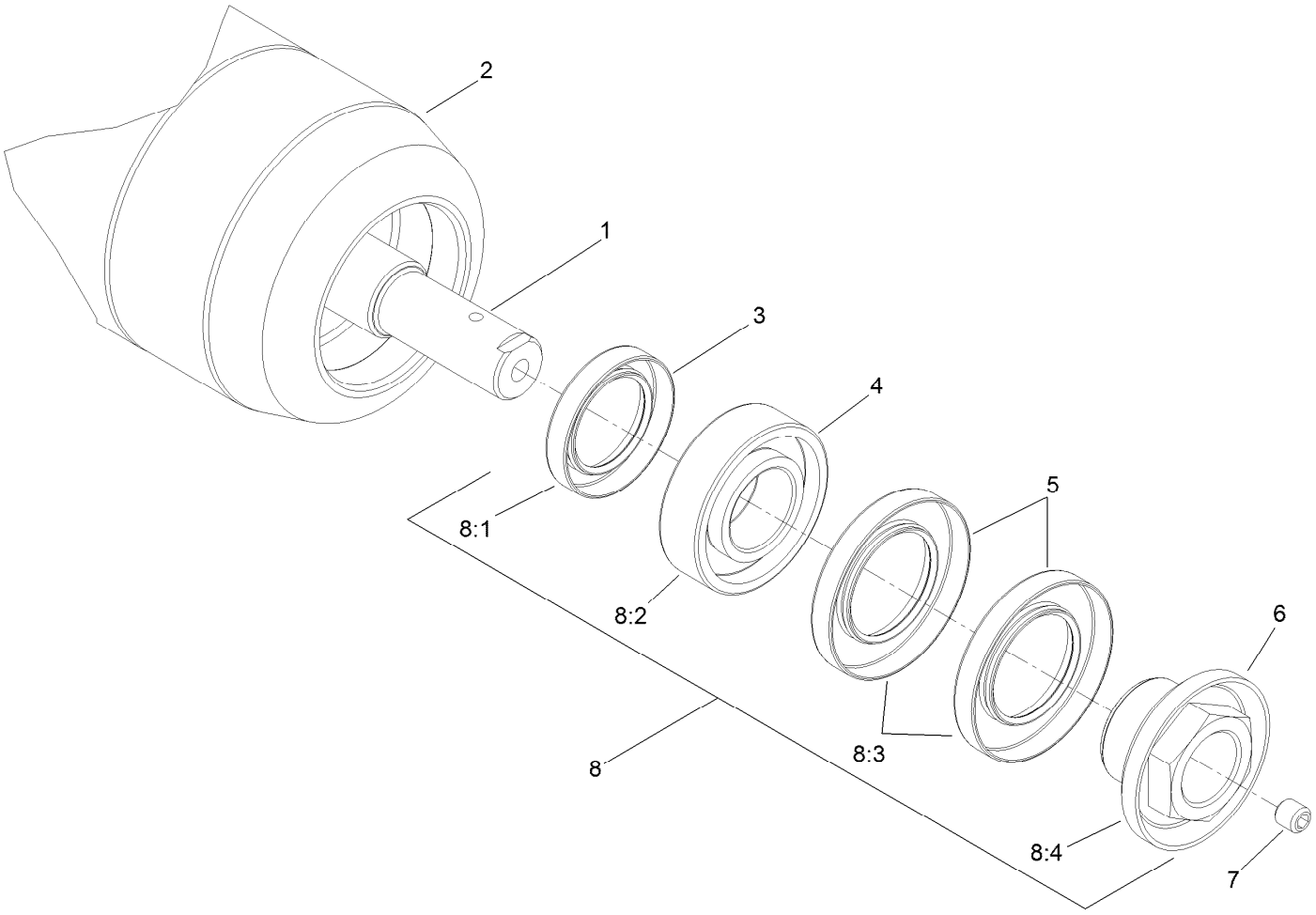
● Not serviced separately




# Roller and Carrier Frame Assembly

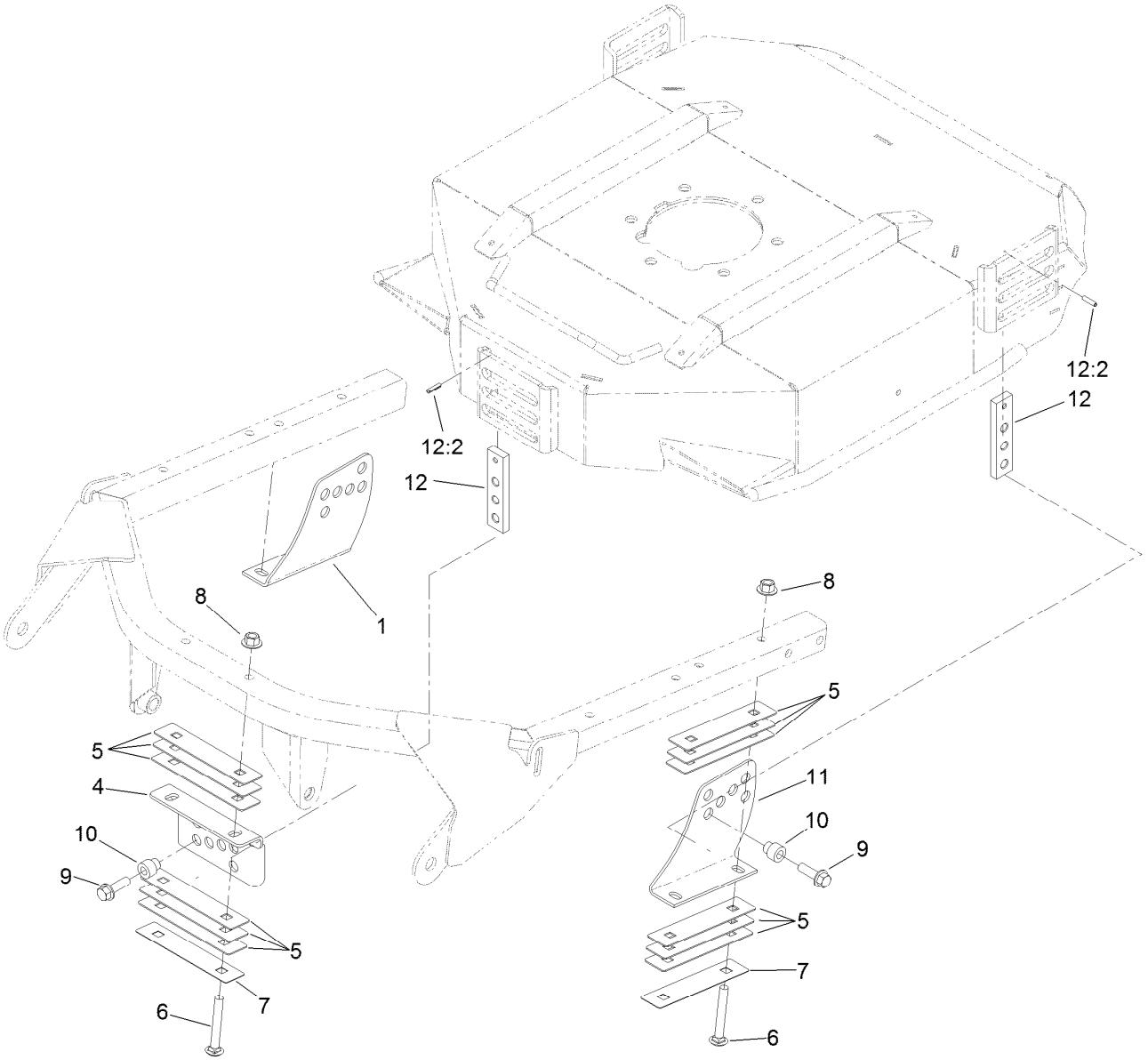
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 114-0440-03 | 1 | Support-Deck |
| 2 | 115-3418 | 2 | Roller ASM |
| 2:1 | 104-1093 | 1 | Roller |
| 2:2 | 100-5762 | 1 | Spacer-Bearing |
| 2:3 | 120-3366 | 2 | Bearing |
| 3 | 117-0172 | 2 | Screw-HH |
| 4 | 127-6422 | 2 | Screw-Grease, Roller |
| 5 | 114-0430 | 2 | Tube-Seg, Roller |
| 9 | 108-7387 | 1 | Roller ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 323-7 | 2 | Screw-HH |
| 11 | 3234-11 | 4 | Screw-HHF |
| 12 | 112-5268 | 2 | Mount-Roller |
| 13 | 107-7816 | 2 | Bracket-Skid |
| 14 | 114-5430 | 1 | Roller Rebuild Kit |
| 14:1 | 114-3717 | 2 | Seal-Oil |
| 14:2 | 112-5290 | 2 | Bearing-Steel, Stainless |
| 14:3 | 112-7494 | 4 | Seal |
| 14:4 | 114-5411 | 2 | Nut-Lock, Bearing |



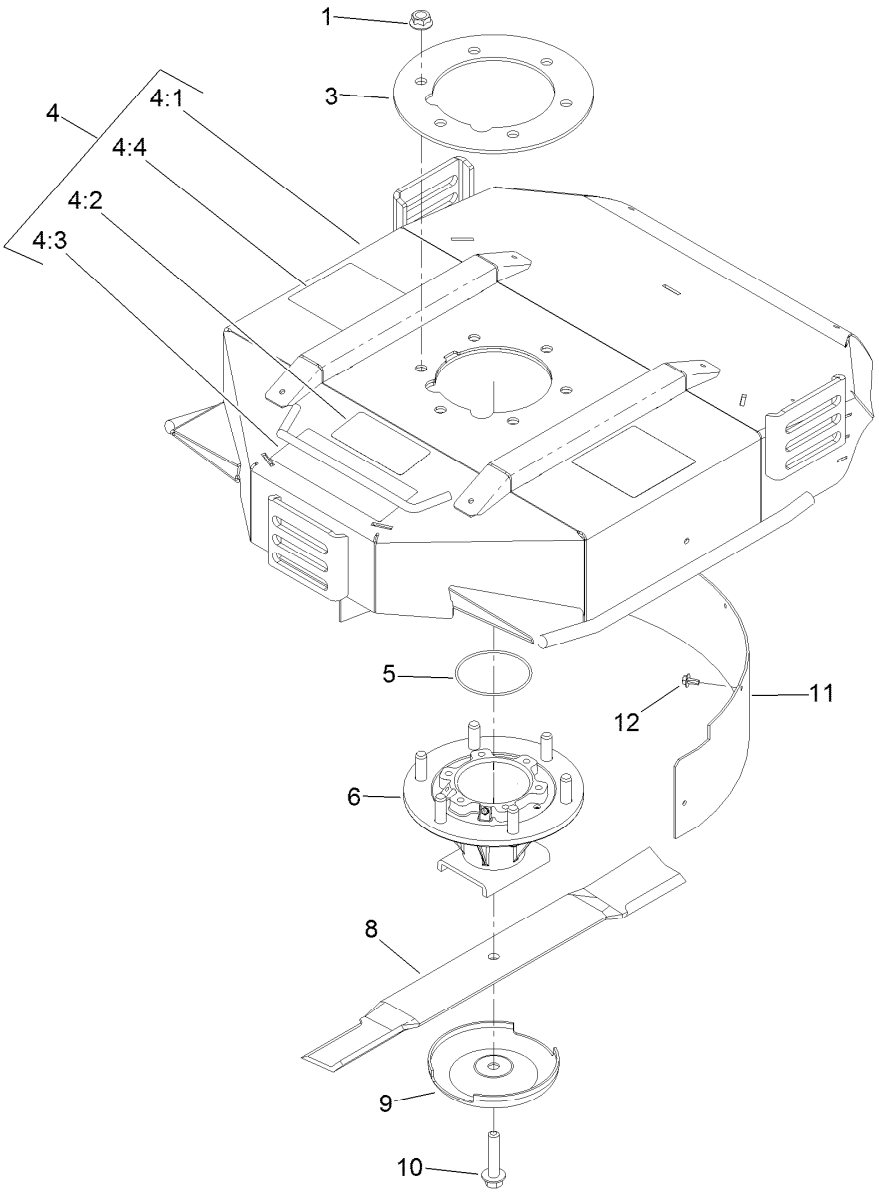

# Roller Assembly No. 108-7387

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 108-7388 | 1 | Shaft-Roller |
| 2 | 108-7389-03 | 1 | Roller Tube ASM |
| 3 | 114-3717 | 2 | Seal-Oil |
| 4 | 112-5290 | 2 | Bearing-Steel, Stainless |
| 5 | 112-7494 | 4 | Seal |
| 6 | 114-3745 | 2 | Nut-Lock, Bearing |
| 7 | 108-0989 | 2 | Screw-Set |
| 8 | 114-5430 | 1 | Roller Rebuild Kit |
| 8:1 | 114-3717 | 2 | Seal-Oil |
| 8:2 | 112-5290 | 2 | Bearing-Steel, Stainless |
| 8:3 | 112-7494 | 4 | Seal |
| 8:4 | 114-5411 | 2 | Nut-Lock, Bearing |




# Height-of-Cut Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 108-7391-03 | 1 | Bracket-HOC, RH |
| 4 | 104-1052-03 | 1 | Bracket-HOC, Front |
| 5 | 100-5799 | 18 | Shim-HOC, .060 Inch |
| 6 | 3231-9 | 6 | Screw-CARR |
| 7 | 104-4641 | 3 | Shim-HOC, .030 Inch |
| 8 | 32128-43 | 6 | Nut-Flange |
| 9 | 3234-24 | 3 | Screw-HHF |
| 10 | 121-3575 | 3 | Spacer-HOC |
| 11 | 108-7392-03 | 1 | Bracket-HOC,LH |
| 12 | 105-9225 | 3 | HOC Plate ASM |
| 12:2 | 32121-3 | 1 | Pin-Spring |

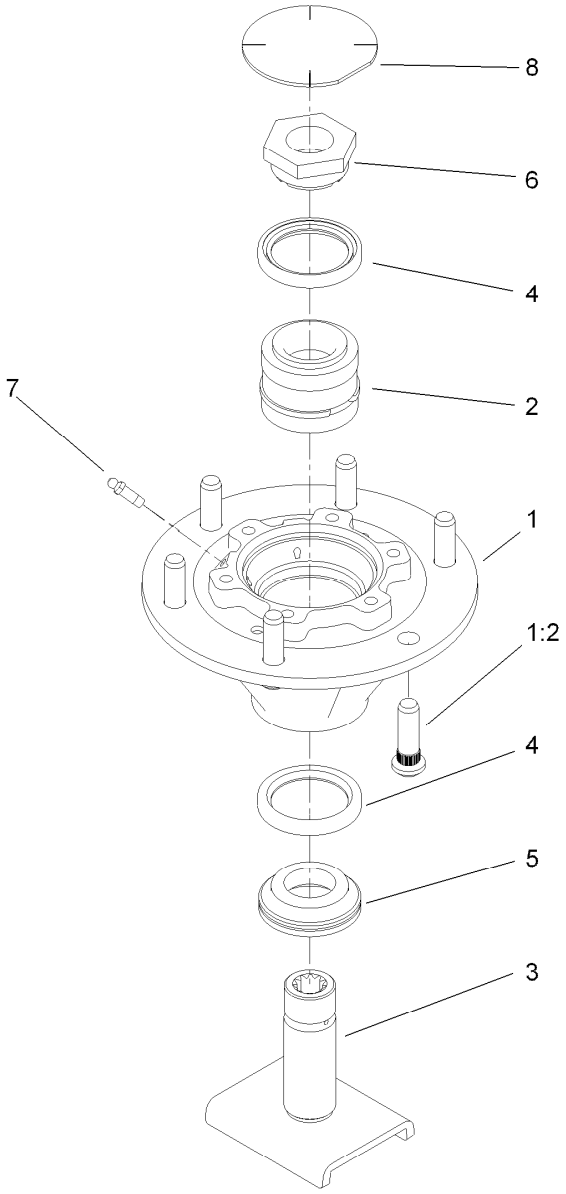



# Spindle, Blade and Chamber Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 32128-39 | 6 | Nut-HHF |
| 3 | 104-1051-03 | 1 | Plate-Spindle |
| 4 | 108-7373 | 1 | Chamber ASM |
| 4:1 | | 1 | Chamber ● |
| 4:2 | 93-7818 | 1 | Decal-Torque, Blade Bolt |
| 4:3 | 121-3627 | 1 | Decal-Height Of Cut |
| 4:4 | 117-4764 | 2 | Decal-Danger |
| 5 | 237-161 | 1 | O-Ring |
| 6 | 115-3435 | 1 | Spindle ASM |

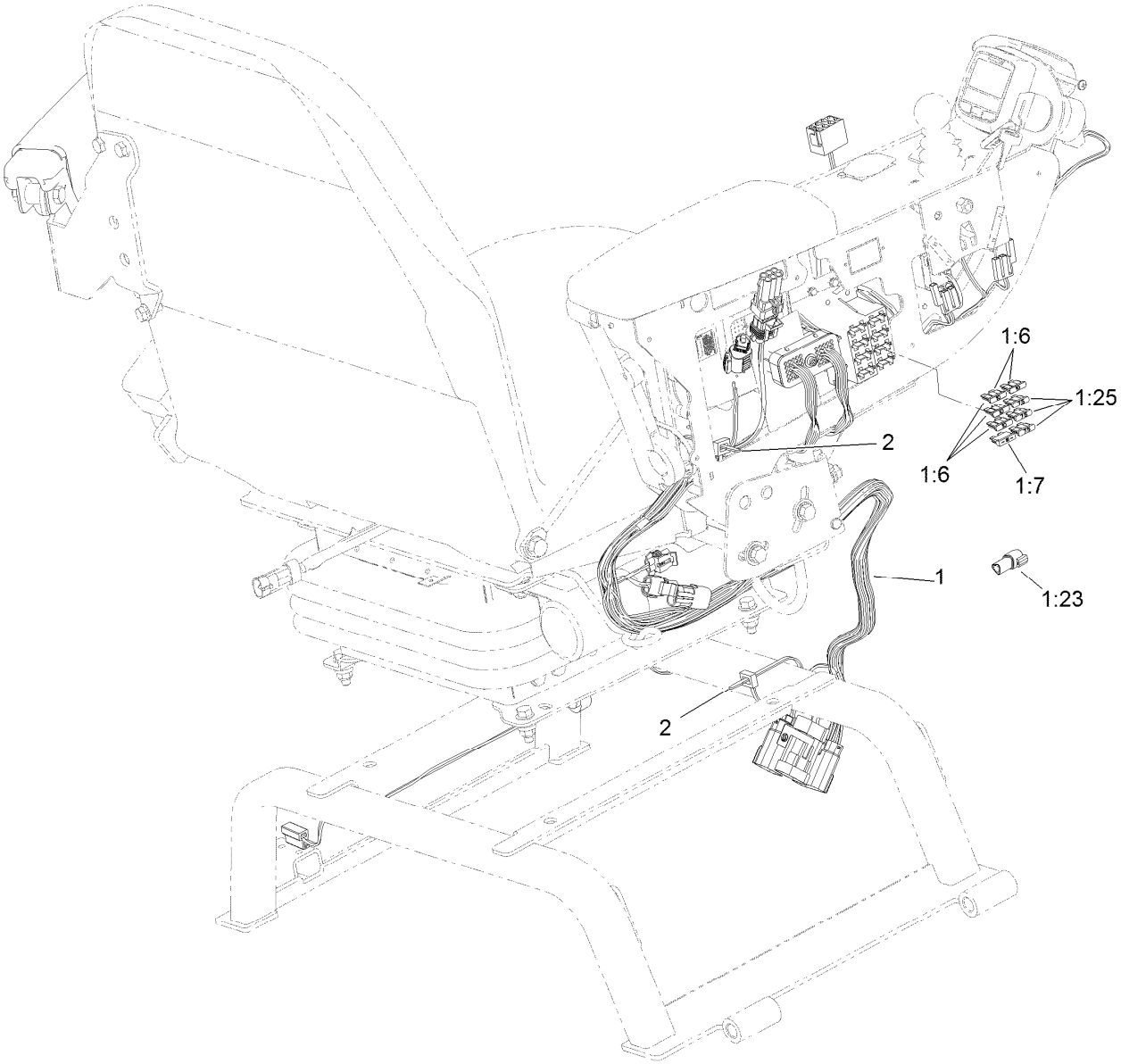
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 8 | 108-7395-03 | 1 | Blade-Combo, 22In |
| 8 | 114-0434-03 | 1 | Blade-High Lift, 22In |
| 8 | 114-0435-03 | 1 | Blade-Atomic, 22In |
| 8 | 117-0209-03 | 1 | Blade-Angle Sail, 22In |
| 9 | 72-9361 | 1 | Cup-Scalp, Anti |
| 10 | 92-5816 | 1 | Bolt-Blade |
| 11 | 108-7409-01 | 1 | Baffle-Mulching |
| 12 | 46-8560 | 5 | Screw-HHFTF |

● Not serviced separately



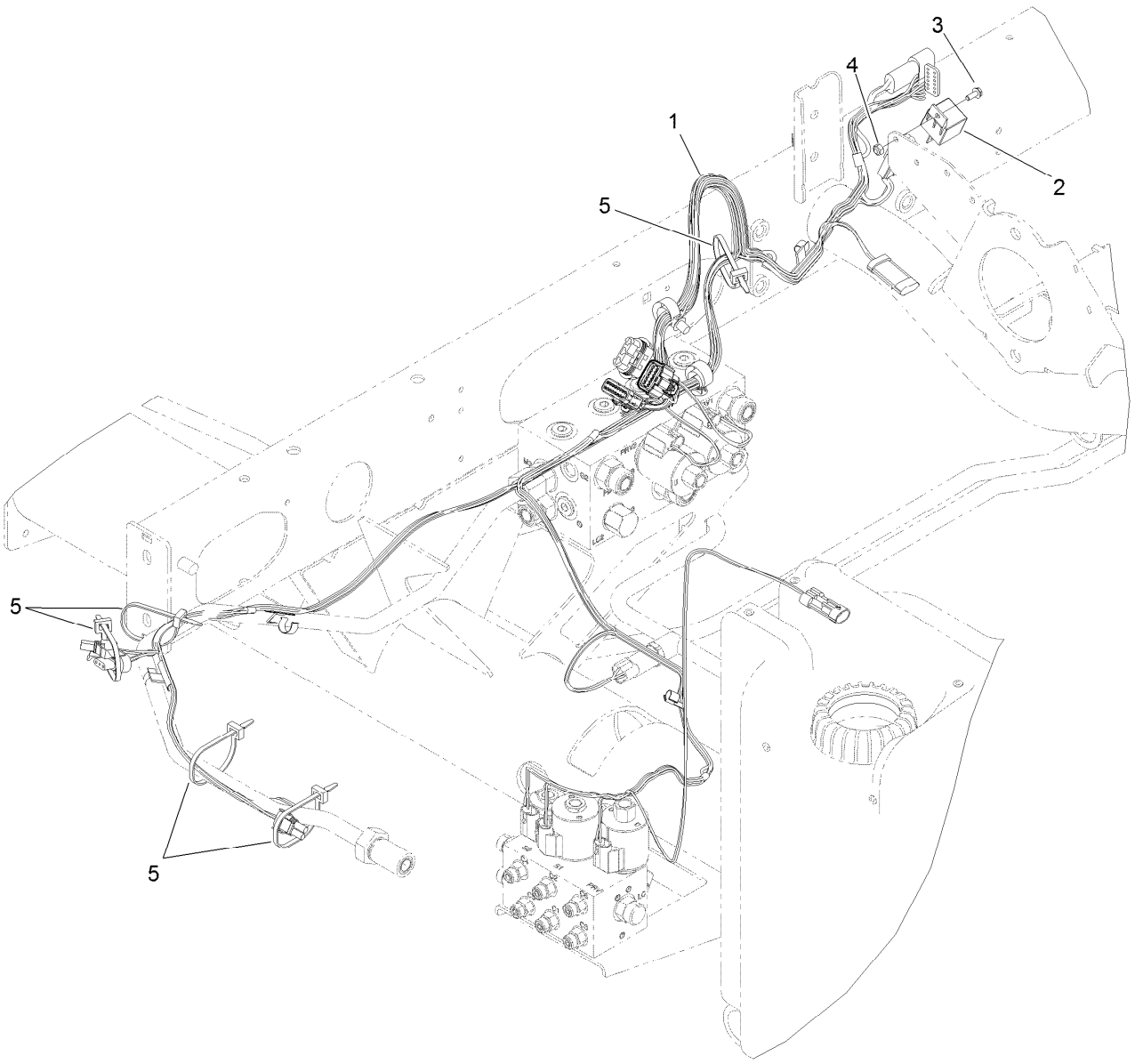

# Spindle Assembly No. 115-3435

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 115-3434 | 1 | Spindle |
| 1:2 | 10-6830 | 6 | Stud-Type, Drive |
| 2 | 100-5703 | 1 | Spacer And Bearing ASM |
| 3 | 100-5705 | 1 | Spindle Shaft ASM |
| 4 | 253-154 | 2 | Seal-Oil |
| 5 | 69-6950 | 1 | Spacer-Shaft, Spindle |
| 6 | 100-5709 | 1 | Nut-Spindle, Spcl |
| 7 | 302-62 | 2 | Fitting-Grease |
| 8 | 94-2703 | 1 | Plug |



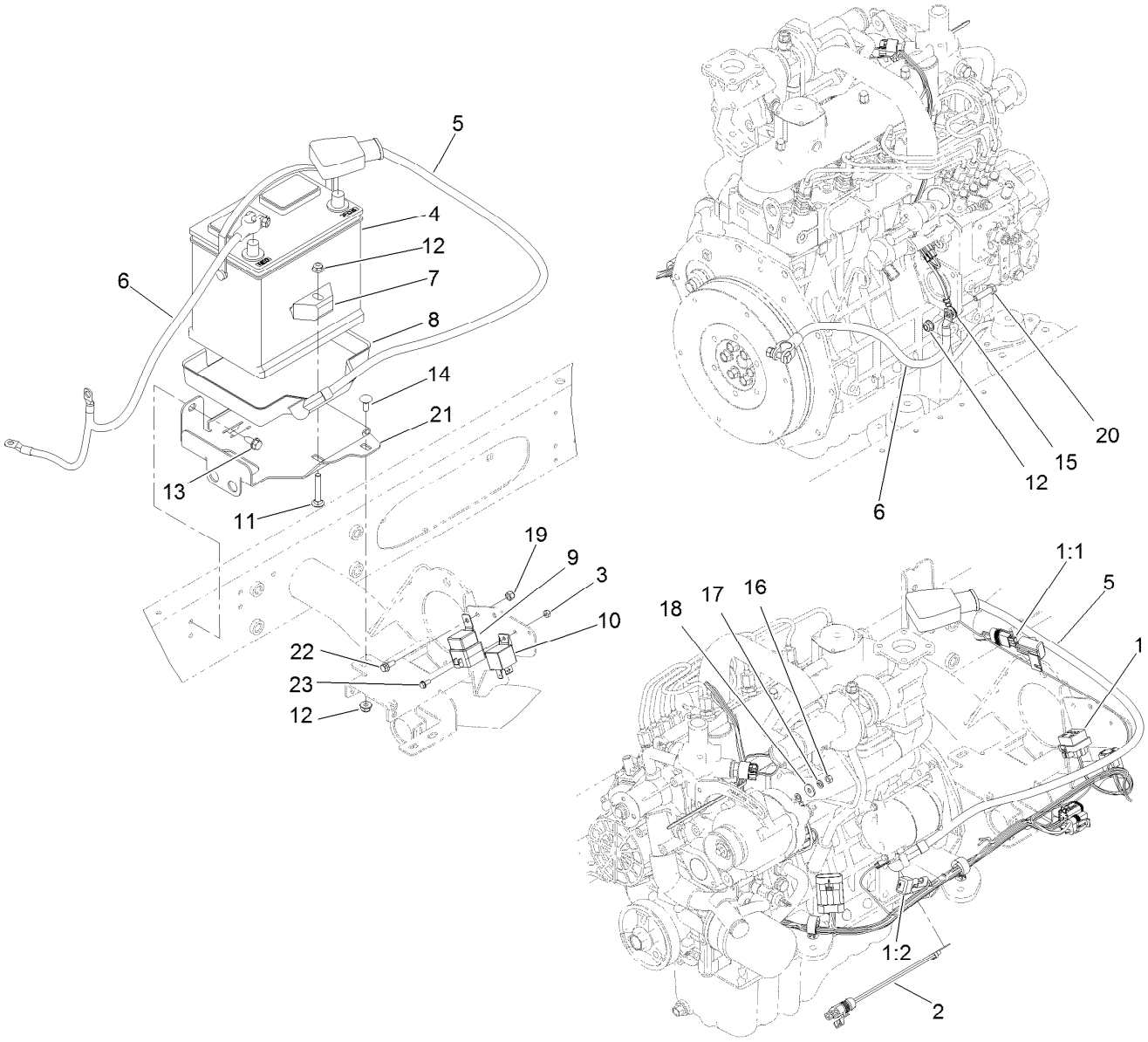

# Seat and Control Arm Wiring Harness Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 115-8081 | 1 | Harness-Wire, Seat |
| 1:6 | 218-578 | 3 | Fuse-Blade, 10 Amp |
| 1:7 | 109355 | 1 | Fuse-Blade, 15 Amp |
| 1:23 | 32180-043 | 1 | Resistor-120 Ohm |
| 1:25 | 114241 | 3 | Fuse-Blade, 7.5 Amp |
| 2 | 3290-378 | 3 | Tie-Cable |



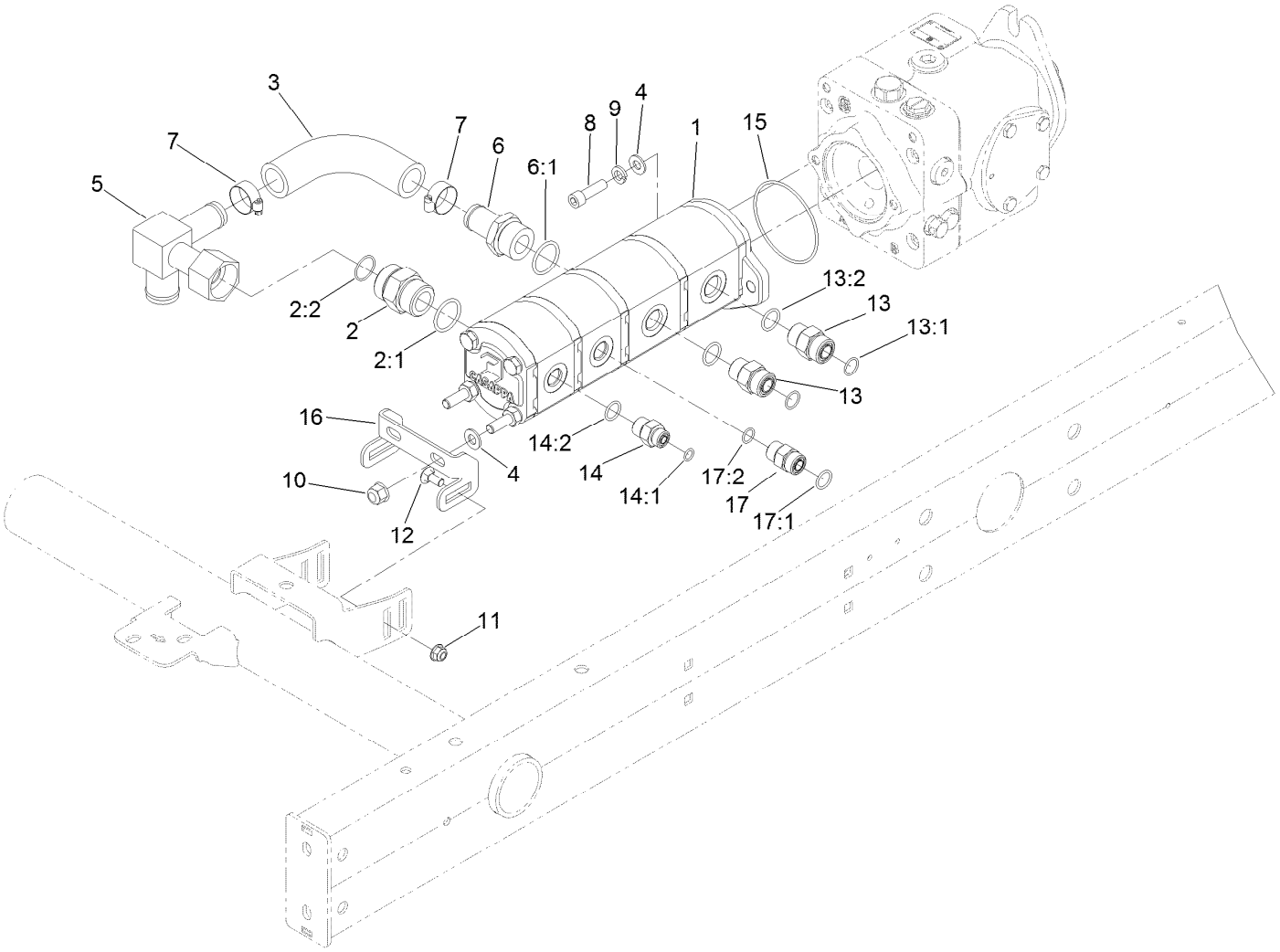

# Main Wiring Harness Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 120-6384 | 1 | Harness-Wire, Main |
| 2 | 99-7435 | 1 | Relay |
| 3 | 3290-321 | 1 | Screw-HWH |
| 4 | 3296-2 | 1 | Nut-Lock, NI |
| 5 | 3290-378 | 10 | Tie-Cable |




# Electrical Assembly

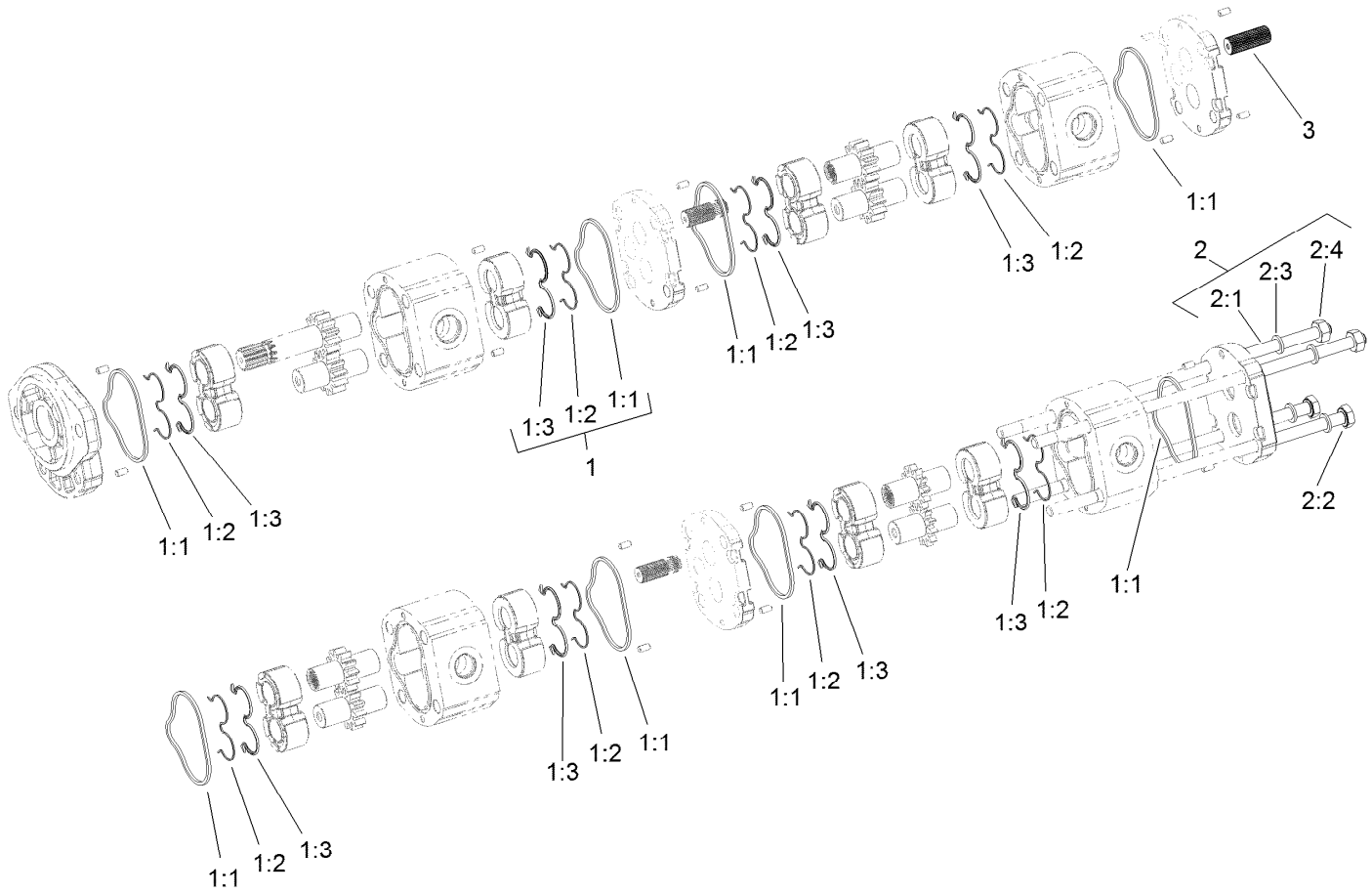
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-6346 | 1 | Harness-Wire, Row Engine |
| 1:1 | 100-4918 | 1 | Diode |
| 1:2 | 94-6710 | 1 | Fuse-2 Amp |
| 2 | 99-3441 | 1 | Harness-Wire, Fusible Link |
| 3 | 3296-2 | 1 | Nut-Lock, NI |
| 4 | 104-9979 | 1 | Battery |
| 5 | 108-1802 | 1 | Cable-Battery, Positive |
| 6 | 110-8813 | 1 | Cable-Battery, Negative |
| 7 | 66-2490 | 1 | Retainer-Battery |
| 8 | 99-3513 | 1 | Tray-Battery |
| 9 | 99-7430 | 1 | Relay-Mini |
| 10 | 99-7435 | 1 | Relay |
| 11 | 3230-6 | 1 | Bolt-CARR |
| 12 | 104-8300 | 3 | Nut-HF, NI |
| 13 | 32104-32 | 2 | Screw-HWH |
| 14 | 3230-1 | 1 | Bolt-CARR |
| 15 | 3255-8 | 1 | Washer-Lock |
| 16 | 48-7890 | 1 | Nut-Hex |
| 17 | 43-5930 | 1 | Washer-Lock, Spring |
| 18 | 3256-78 | 1 | Washer-Flat |
| 19 | 3296-42 | 1 | Nut-Lock, NI |
| 20 | 322-6 | 1 | Screw-HH |
| 21 | 110-0907-01 | 1 | Bracket-Battery |
| 22 | 3234-33 | 1 | Screw-HHF |
| 23 | 3290-321 | 1 | Screw-HWH |




# Gear Pump Mounting Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 121-5645 | 1 | Gear Pump ASM |
| 2 | 104-3797 | 1 | Fitting-Straight |
| 2:1 | 237-146 | 1 | O-Ring |
| 2:2 | 340-65 | 1 | O-Ring |
| 3 | 108-1683 | 1 | Hose-Formed |
| 4 | 3256-24 | 4 | Washer-Flat |
| 5 | 108-1672 | 1 | Manifold-Tube |
| 6 | 354-78 | 1 | Fitting-STR |
| 6:1 | 237-146 | 1 | O-Ring |
| 7 | 2412-34 | 2 | Clamp-Hose |
| 8 | 3274-1 | 2 | Screw-HSH |
| 9 | 3253-5 | 2 | Washer-Lock |
| 10 | 103-9511 | 2 | Nut-Lock, NI |

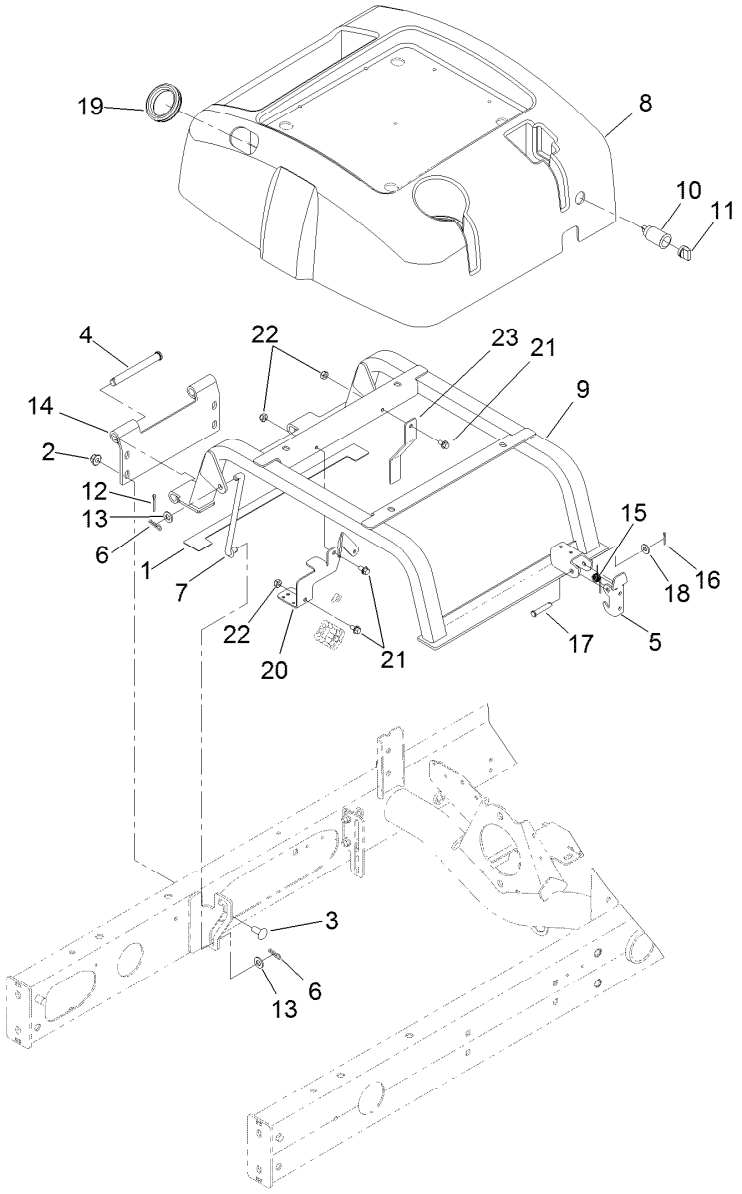
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 11 | 104-8300 | 2 | Nut-HF, NI |
| 12 | 3230-1 | 2 | Bolt-CARR |
| 13 | 340-7 | 2 | Fitting-Straight |
| 13:1 | 237-65 | 1 | O-Ring |
| 13:2 | 237-80 | 1 | O-Ring |
| 14 | 340-3 | 1 | Fitting-Straight |
| 14:1 | 237-22 | 1 | O-Ring |
| 14:2 | 237-79 | 1 | O-Ring |
| 15 | 237-161 | 1 | O-Ring |
| 16 | 108-1801-01 | 1 | Bracket-Support, Pump |
| 17 | 340-4 | 1 | Fitting-Straight |
| 17:1 | 237-30 | 1 | O-Ring |
| 17:2 | 237-79 | 1 | O-Ring |




# Gear Pump Assembly No. 121-5645

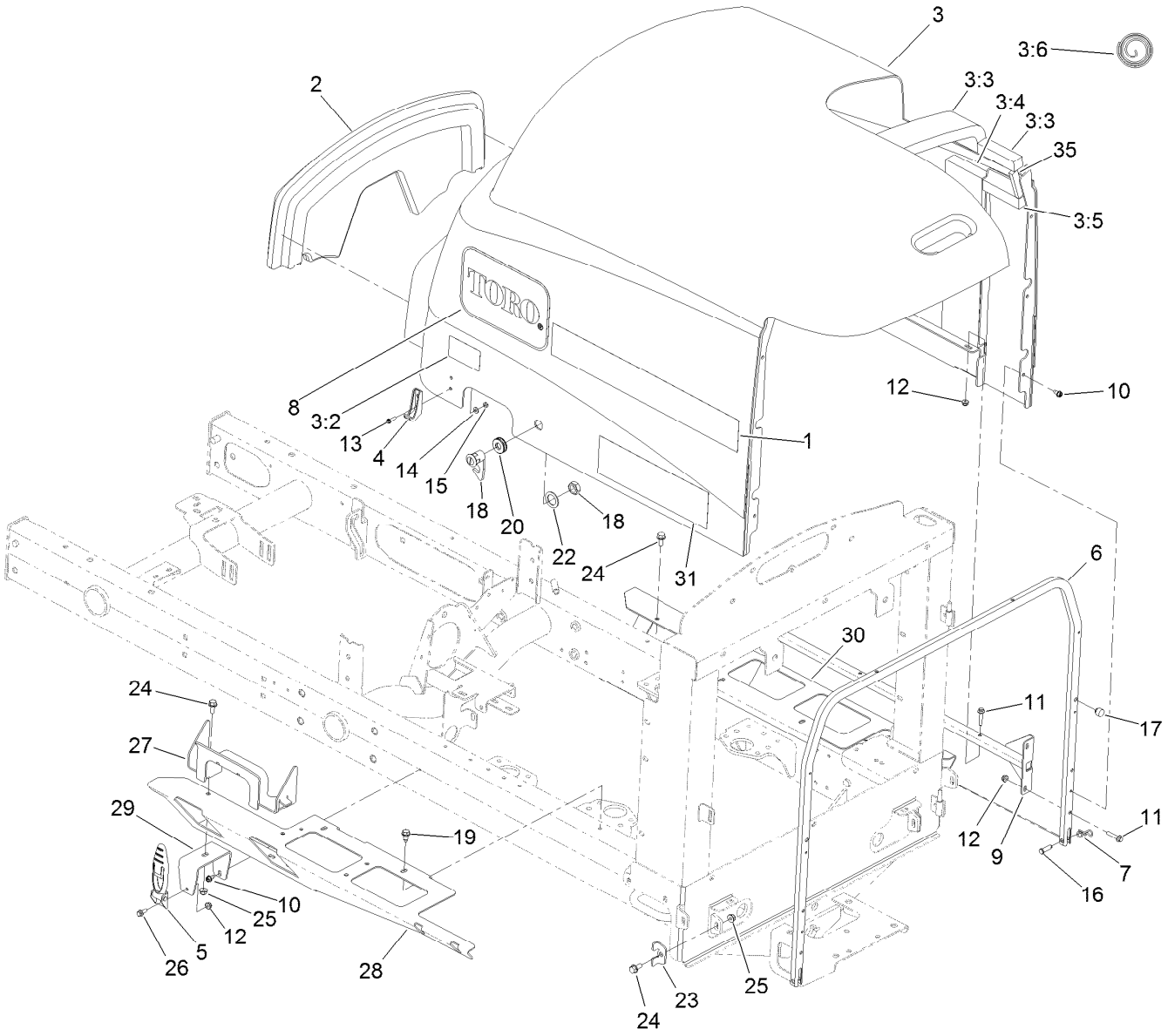
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 108-4595 | 1 | Seal Kit |
| 1:1 | | 8 | Seal ● |
| 1:2 | | 8 | Seal ● |
| 1:3 | | 8 | Ring-Back Up ● |
| 2 | 120-6273 | 1 | Bolt Kit |
| 2:1 | | 2 | Stud Bolt ● |
| 2:2 | | 2 | Screw ● |
| 2:3 | | 4 | Washer ● |
| 2:4 | | 2 | Nut ● |
| 3 | 120-6284 | 3 | Hub-Connecting |

● Not serviced separately



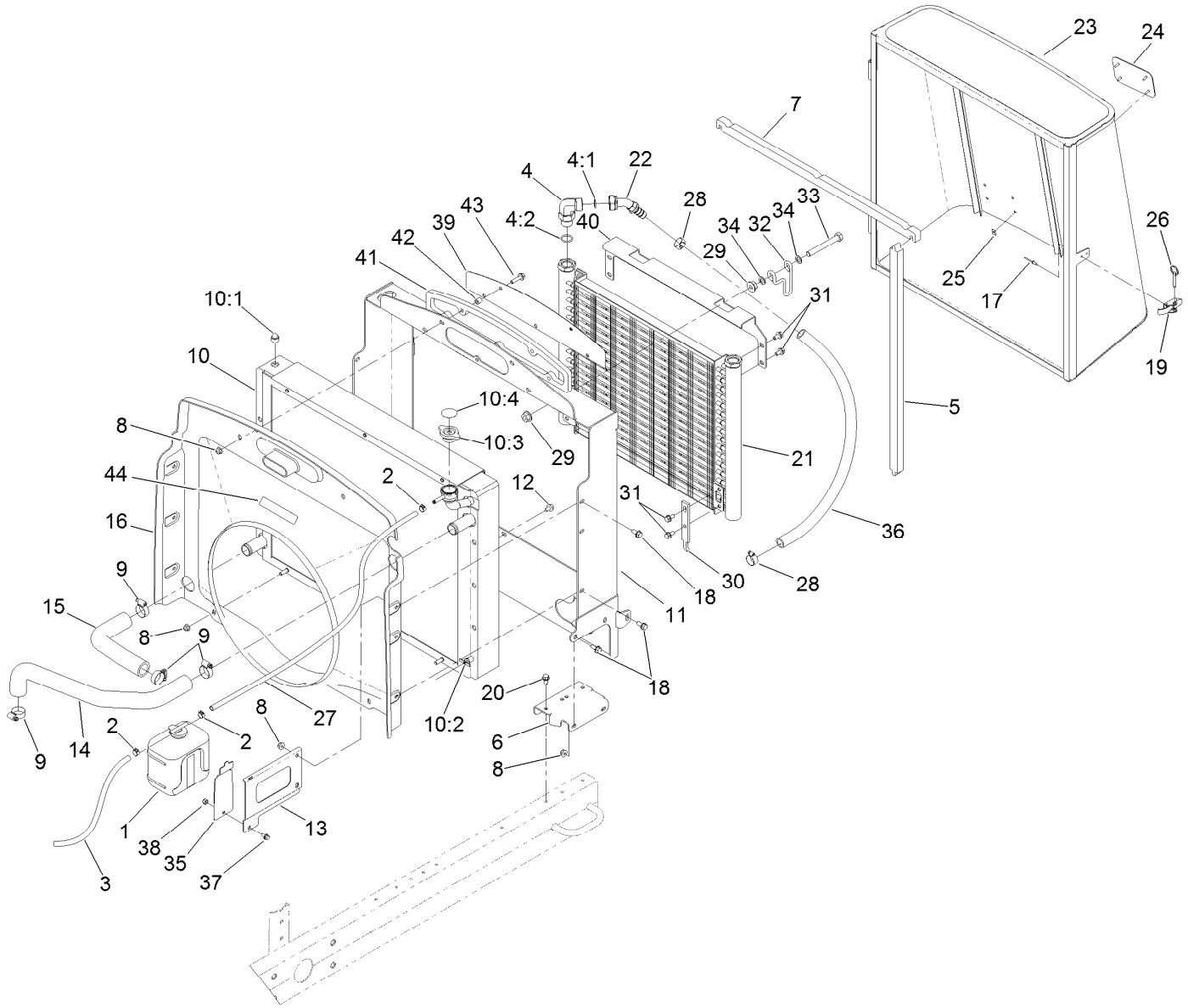

# Seat Base Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 110-5255 | 2 | Bumper-Base, Seat |
| 2 | 104-8301 | 4 | Nut-HF, NI |
| 3 | 3231-27 | 4 | Screw-CARR |
| 4 | 283-83 | 2 | Pin-Clevis |
| 5 | 110-8971 | 1 | Latch |
| 6 | 3290-307 | 4 | Pin-Cotter |
| 7 | 98-0917 | 2 | Rod-Prop |
| 8 | 108-1757 | 1 | Cover-Seatbase |
| 9 | 125-2122-03 | 1 | Seat Base ASM |
| 10 | 99-7411 | 1 | Point-Power |
| 11 | 99-7416 | 1 | Cap |
| 12 | 3272-11 | 2 | Pin-Cotter |
| 13 | 3256-24 | 4 | Washer-Flat |
| 14 | 125-2121-03 | 1 | Hinge-Seatbase |
| 15 | 104-4821 | 1 | Spring-Torsion |
| 16 | 3272-6 | 1 | Pin-Cotter |
| 17 | 94-3829 | 1 | Pin-Clevis |
| 18 | 3256-2 | 1 | Washer-Flat |
| 19 | 240-12 | 1 | Grommet-Rubber |
| 20 | 127-2711-03 | 1 | Bracket-Harness |
| 21 | 3234-13 | 3 | Screw-HHF |
| 22 | 3296-16 | 3 | Nut-Lock, NI |
| 23 | 127-2615-03 | 1 | Bracket-Harness, Wire |




# Hood Assembly

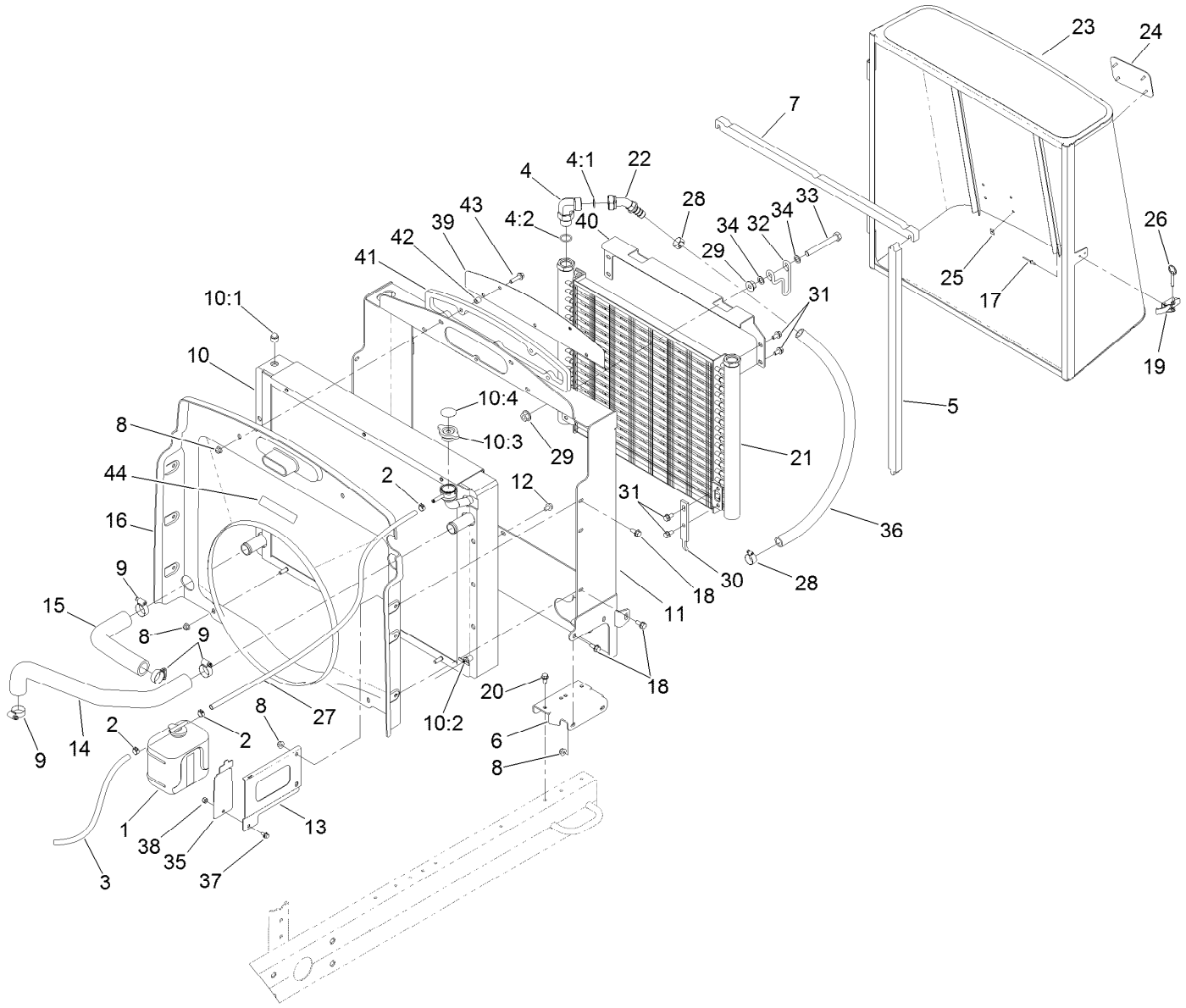
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 125-2930 | 2 | Decal |
| 2 | 108-7587 | 1 | Saddle-Hood |
| 3 | 110-8995 | 1 | Hood ASM |
| 3:2 | 106-6754 | 1 | Decal-Danger |
| 3:3 | 110-8948 | 1 | Foam-Hood |
| 3:4 | 110-8947 | 2 | Foam-Hood |
| 3:5 | 110-8949 | 4 | Seal-Foam |
| 3:6 | 110-9002 | 1 | Foil Tape Kit |
| 4 | 103-2897 | 2 | Latch-Catch |
| 5 | 103-2898 | 2 | Latch-Rubber |
| 6 | 125-8820-03 | 1 | Tube-Hood |
| 7 | 105-7512 | 2 | Pin-Tie, Bow |
| 8 | 66-6140 | 2 | Decal |
| 9 | 108-1790-03 | 2 | Tube |
| 10 | 32104-17 | 8 | Screw-HWH |
| 11 | 3234-21 | 10 | Screw-HHF |
| 12 | 104-7201 | 12 | Nut-HF, NI |
| 13 | 32105-13 | 4 | Screw-HWH |
| 14 | 3256-14 | 4 | Washer-Flat |
| 15 | 3296-12 | 4 | Nut-Lock, NI |
| 16 | 283-61 | 2 | Pin-Yoke |
| 17 | 107-8042 | 2 | Bumper-Rubber |
| 18 | 98-5398 | 1 | Latch |
| 19 | 32104-32 | 6 | Screw-HWH |
| 20 | 104-1453 | 1 | Grommet |
| 22 | 99-4958 | 1 | Spacer |
| 23 | 110-8946 | 2 | Clamp-Frame, Radiator |
| 24 | 3234-5 | 6 | Screw-HHF |
| 25 | 104-8300 | 6 | Nut-HF, NI |
| 26 | 3234-33 | 2 | Screw-HHF |
| 27 | 121-5627-03 | 2 | Guide-Hood |
| 28 | 110-5253-01 | 1 | Adapter-Hood, LH |
| 29 | 110-5256-01 | 2 | Bracket-Latch, Hood |
| 30 | 110-5254-01 | 1 | Adapter-Hood, RH |
| 31 | 110-8859 | 2 | Decal |
| 35 | 110-8950 | 2 | Seal-Foam |




# Radiator Assembly

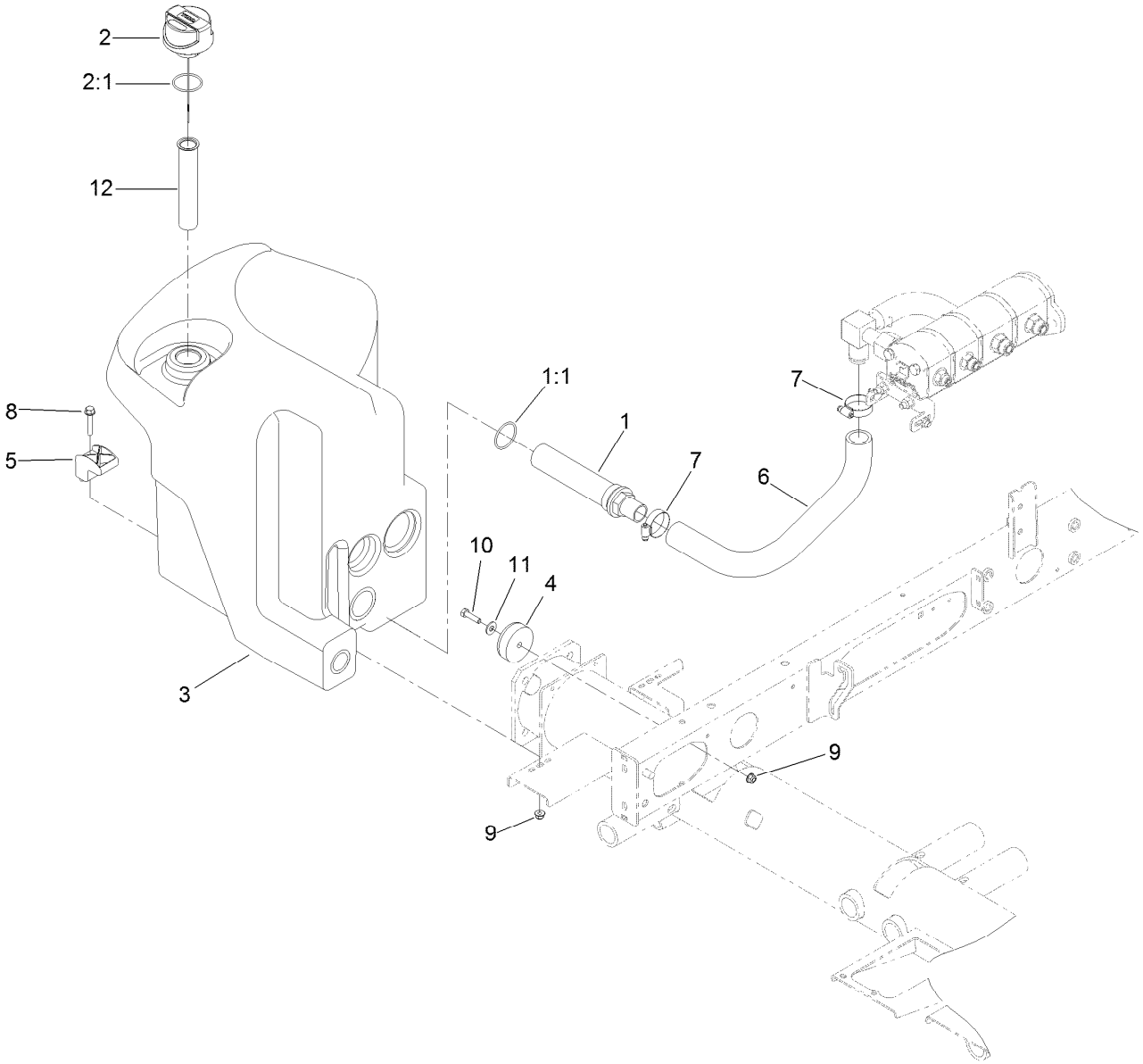
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 108-0638 | 1 | Bottle-Overflow |
| 2 | 92-2379 | 3 | Clamp-Hose |
| 3 | 110-3257 | 1 | Hose-Fuel |
| 4 | 340-142 | 2 | Fitting-Elbow, 90 DEG |
| 4:1 | 237-58 | 1 | O-Ring |
| 4:2 | 237-81 | 1 | O-Ring |
| 5 | 110-5275 | 2 | Seal-Foam |
| 6 | 110-5310-01 | 2 | Bracket-Mounting |
| 7 | 110-5276 | 2 | Seal-Foam |
| 8 | 104-8300 | 17 | Nut-HF, NI |
| 9 | 2412-129 | 4 | Clamp-Hose |
| 10 | 117-8093 | 1 | Radiator ASM |
| 10:1 | 281-13 | 1 | Plug-Pipe |
| 10:2 | 304-46 | 1 | Draincock |
| 10:3 | 93-5957 | 1 | Cap-Radiator |
| 10:4 | 106-6755 | 1 | Decal-Cap, Radiator |
| 11 | 110-5251-03 | 1 | Frame-Radiator |
| 12 | 3234-30 | 6 | Screw-HHF |
| 13 | 108-1666-03 | 1 | Bracket-Reservoir |
| 14 | 110-8942 | 1 | Hose-Formed |
| 15 | 110-8943 | 1 | Hose-Formed |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16 | 110-5311 | 1 | Shroud-Fan |
| 17 | 3269-15 | 2 | Rivet-Pop |
| 18 | 3234-5 | 10 | Screw-HHF |
| 19 | 115-1554 | 1 | Latch-Draw |
| 20 | 32104-32 | 6 | Screw-HWH |
| 21 | 110-0485 | 1 | Cooler-Oil |
| 22 | 104-7851 | 2 | Fitting-HYD, 45 DEG |
| 23 | 110-5269-03 | 1 | Screen |
| 24 | 93-6028 | 1 | Plate-Logo |
| 25 | 94-2638 | 4 | Nut-Flat |
| 26 | 115-1556 | 1 | Pin-Ball, Detent |
| 27 | 110-4104 | 1 | Hose-Fuel |
| 28 | 2412-34 | 4 | Clamp-Hose |
| 29 | 32128-49 | 4 | Nut-HHF |
| 30 | 104-5460-03 | 2 | Plate-Mount, Oil Cooler |
| 31 | 3234-14 | 8 | Screw-HHF |
| 32 | 104-5429 | 2 | Clamp-Form, Wire |
| 33 | 325-17 | 2 | Screw-HH |
| 34 | 41-8440 | 4 | Washer |
| 35 | 108-1665-03 | 1 | Bracket-Reservior |
| 36 | 110-8955 | 2 | Hose |



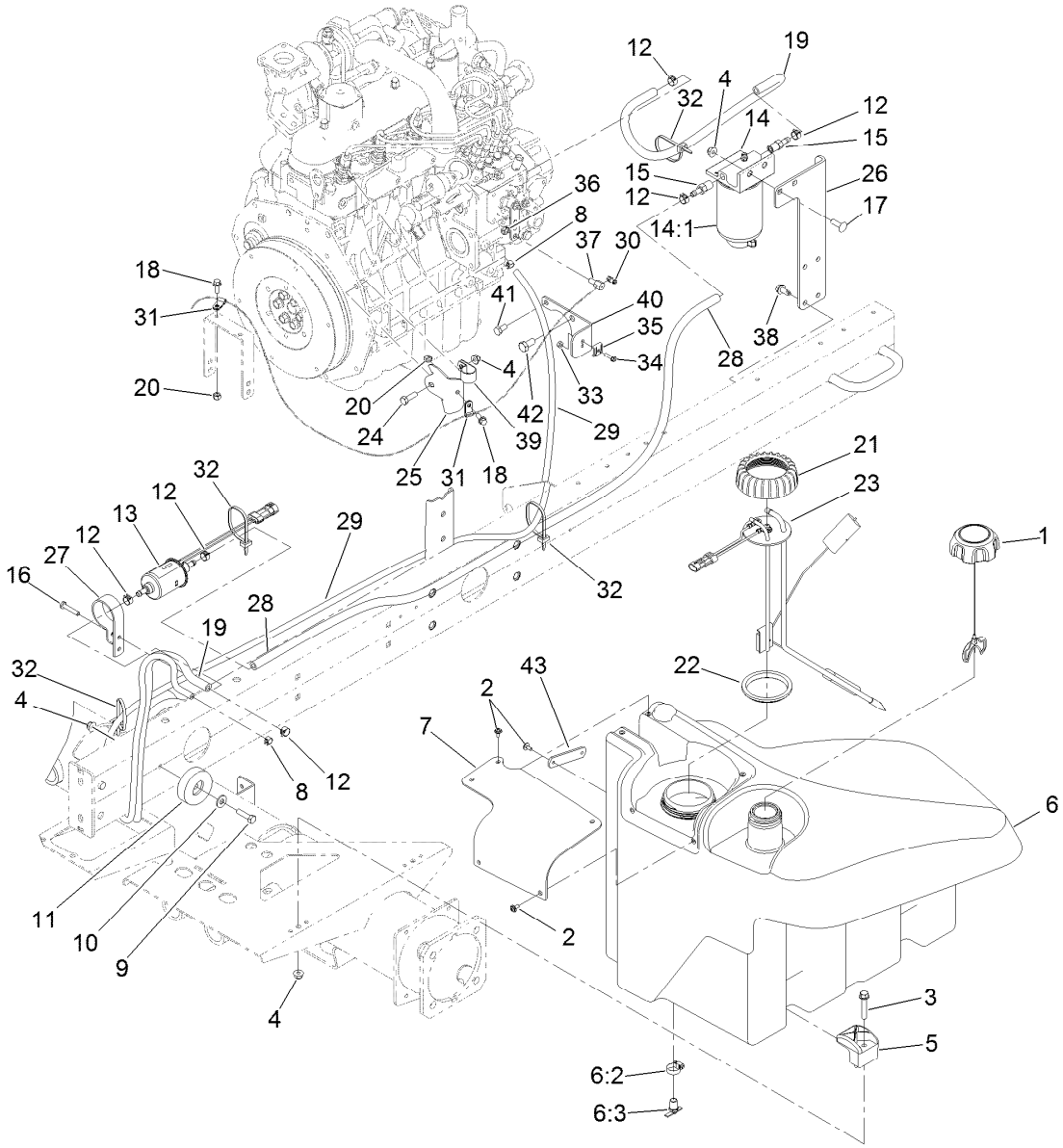

# Radiator Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 37 | 3234-13 | 1 | Screw-HHF |
| 38 | 3296-42 | 1 | Nut-Lock, NI |
| 39 | 108-1843-03 | 1 | Screen-Intake, Air |
| 40 | 104-5428 | 1 | Bracket-Oil Cooler, Top |
| 41 | 110-5324 | 1 | Seal-Foam |
| 42 | 1-603903 | 5 | Spacer |
| 43 | 3234-36 | 5 | Screw-HHF |
| 44 | 93-7272 | 1 | Decal-Warning |




# Hydraulic Tank Assembly

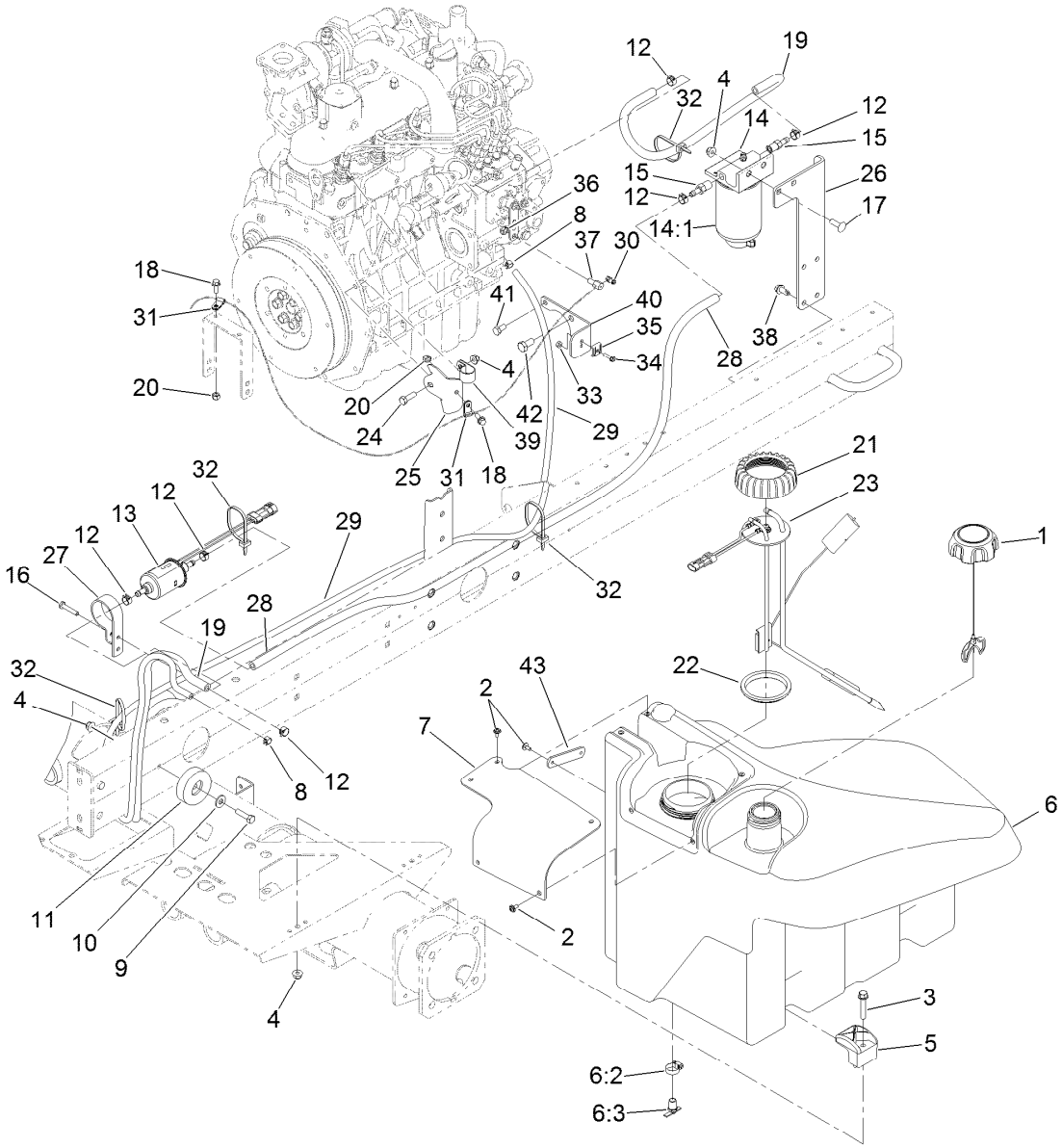
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 105-0131 | 1 | Strainer-Tank, Oil |
| 1:1 | 340-136 | 1 | O-Ring |
| 2 | 117-0193 | 1 | Cap-Hydraulic, Vented Breather |
| 2:1 | 237-101 | 1 | O-Ring |
| 3 | 121-5587 | 1 | Tank-Hydraulic |
| 4 | 108-1605 | 1 | Bumper-Recess |
| 5 | 107-4543 | 2 | Clamp |
| 6 | 108-1685 | 1 | Hose-Formed |
| 7 | 2412-3 | 2 | Clamp-Hose |
| 8 | 94-5780 | 2 | Screw-HWH |
| 9 | 104-8300 | 3 | Nut-HF, NI |
| 10 | 322-6 | 1 | Screw-HH |
| 11 | 3256-3 | 1 | Washer-Flat |
| 12 | 61-2790 | 1 | Filter-Screen |




# Fuel System Assembly

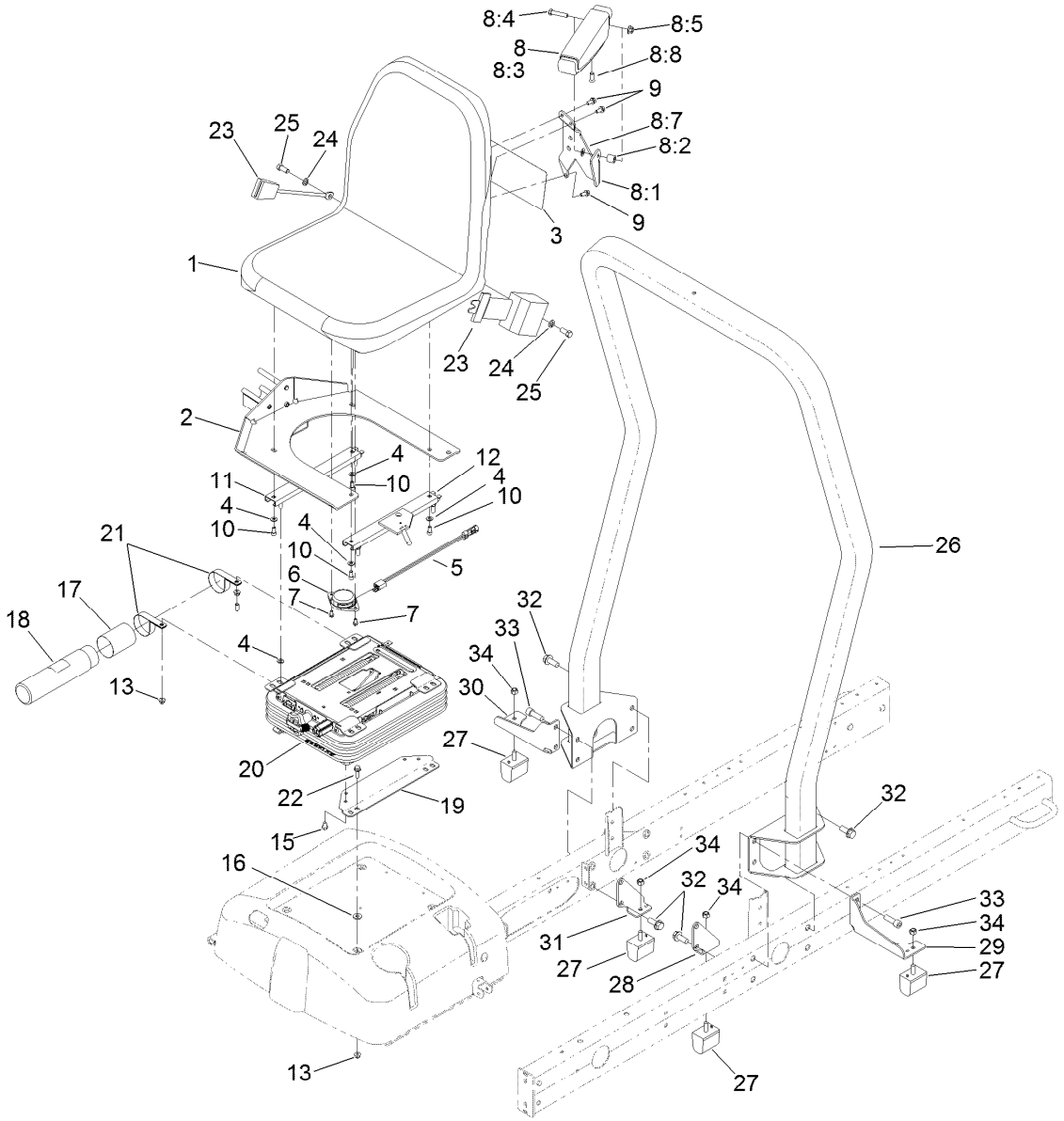
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-5894 | 1 | Fuel Cap ASM |
| 2 | 109-2661 | 7 | Screw-PPH |
| 3 | 94-5780 | 2 | Screw-HWH |
| 4 | 104-8300 | 6 | Nut-HF, NI |
| 5 | 107-4543 | 2 | Clamp |
| 6 | 125-2907 | 1 | Fuel Tank ASM |
| 6:2 | 2412-36 | 1 | Clamp-Hose |
| 6:3 | 304-46 | 1 | Draincock |
| 7 | 125-2903 | 1 | Cover-Pump/Sender |
| 8 | 2412-80 | 2 | Clamp-Hose |
| 9 | 322-6 | 1 | Screw-HH |
| 10 | 3256-3 | 1 | Washer-Flat |
| 11 | 108-1605 | 1 | Bumper-Recess |
| 12 | 92-2379 | 6 | Clamp-Hose |
| 13 | 110-8806 | 1 | Pump-Fuel |
| 14 | 110-9044 | 1 | Separator-Filter |
| 14:1 | 110-9049 | 1 | Filter-Spin On, Fuel/Water |
| 15 | 353-783 | 2 | Fitting-STR |
| 16 | 32104-96 | 1 | Screw-HH |
| 17 | 3230-22 | 2 | Screw-CARR |
| 18 | 3234-4 | 2 | Screw-HHF |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 109-0309 | 2 | Hose-Fuel |
| 20 | 3296-42 | 2 | Nut-Lock, NI |
| 21 | 115-2162 | 1 | Cap-Pump, Fuel |
| 22 | 115-2163 | 1 | Gasket-Pump, Fuel |
| 23 | 121-5642 | 1 | Sender-Fuel |
| 24 | 322-5 | 1 | Screw-HH |
| 25 | 110-9007-03 | 1 | Support-Cable, Throttle |
| 26 | 110-8968-01 | 1 | Mount-Separator, Water |
| 27 | 110-8817 | 1 | Bracket-Pump, Fuel |
| 28 | 110-3259 | 1 | Hose-Fuel |
| 29 | 125-8808 | 1 | Hose-Fuel |
| 30 | 112-9919 | 1 | Stop-Cable, Throttle |
| 31 | 2412-149 | 2 | Clamp-R |
| 32 | 3290-378 | 5 | Tie-Cable |
| 33 | 3296-2 | 1 | Nut-Lock, NI |
| 34 | 32105-13 | 1 | Screw-HWH |
| 35 | 81-1690 | 1 | Clamp-Cable |
| 36 | 3296-20 | 1 | Nut-Lock, NI |
| 37 | 98-9311 | 1 | Swivel-Throttle |
| 38 | 32104-32 | 4 | Screw-HWH |
| 39 | 2412-41 | 1 | Clamp-R |




# Fuel System Assembly (continued)

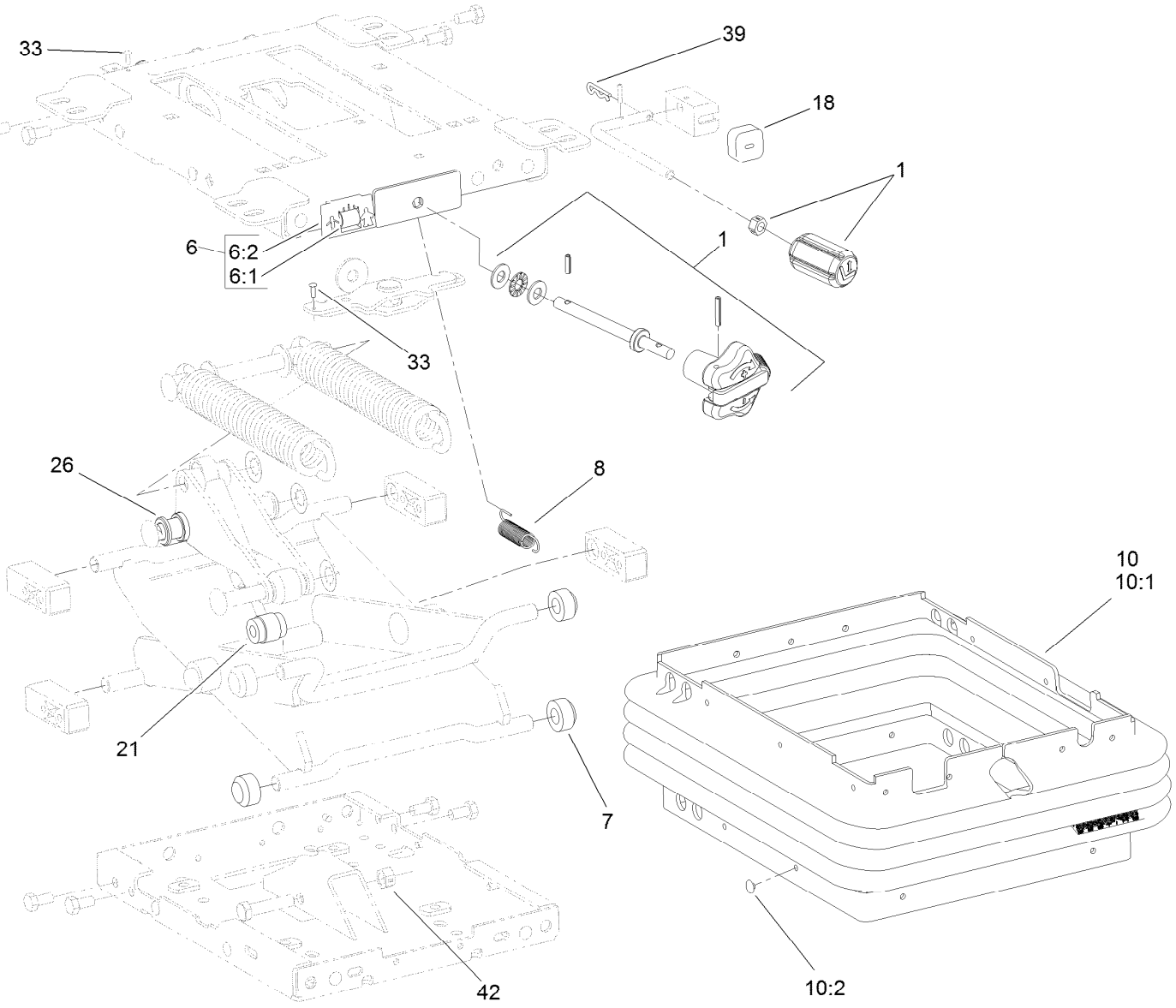
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 40 | 110-9009-03 | 1 | Bracket-Cable, Throttle |
| 41 | 33114-016 | 1 | Screw-HH |
| 42 | 63-7790 | 1 | Screw-Cap |
| 43 | 125-2945 | 1 | Strap-Cable |




# Seat Mount Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-4620 | 1 | Seat |
| 2 | 125-2900-03 | 1 | Mount-Seat |
| 3 | 125-8753 | 1 | Decal-Service |
| 3 | 125-8798 | 1 | Decal-Service, Japanese |
| 4 | 3256-23 | 8 | Washer-Plain |
| 5 | 108-8657 | 1 | Harness-Wire, Seat |
| 6 | 92-6282 | 1 | Switch-Seat |
| 7 | 9266714 | 2 | Screw-HWH |
| 8 | 92-7307 | 1 | LH Armrest ASM |
| 8:1 | 69-0760 | 1 | Bracket-Arm, LH |
| 8:2 | 92-7301 | 1 | Spacer |
| 8:3 | 69-1180 | 1 | Armrest |
| 8:4 | 323-9 | 1 | Screw-HH |
| 8:5 | 32128-19 | 1 | Nut-HF Lock,Large Flg |
| 8:7 | 3256-24 | 1 | Washer-Flat |
| 8:8 | 92-7318 | 1 | Screw |
| 9 | 3234-14 | 3 | Screw-HHF |
| 10 | 3274-12 | 4 | Screw-HSH |
| 11 | 92-8990 | 1 | Adjuster-Seat, Non-Locking |
| 12 | 92-8991 | 1 | Adjuster (W/Latch) |
| 13 | 104-8300 | 8 | Nut-HF, NI |

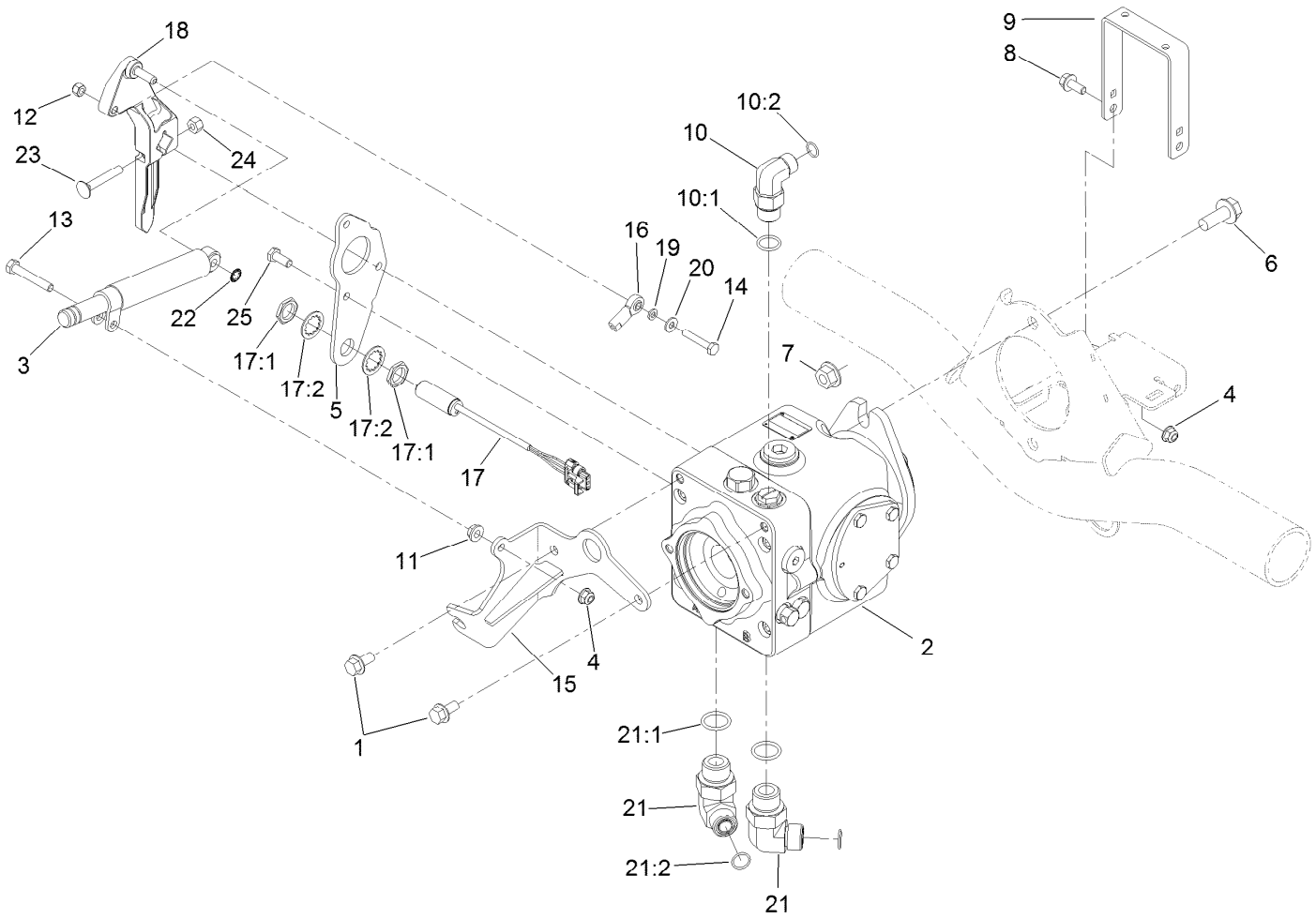
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 48-7680 | 4 | Screw-HH |
| 16 | 71-9310 | 4 | Spacer |
| 17 | 104-7048 | 1 | Cap-Housing |
| 18 | 104-7050 | 1 | Tube-Manual |
| 19 | 108-6590-03 | 2 | Bracket-Seat, Lower |
| 20 | 110-8851 | 1 | Mechanical Suspension ASM |
| 21 | 2412-133 | 2 | Clamp-R |
| 22 | 3234-17 | 4 | Screw-HHF |
| 23 | 100-4928 | 1 | Belt-Seat |
| 24 | 3253-6 | 2 | Washer-Lock |
| 25 | 3212-4 | 2 | Screw-HH |
| 26 | 136-7954 | 1 | ROPS ASM |
| 27 | 87-3470 | 4 | Bumper |
| 28 | 117-0183-03 | 1 | Bracket-Bumper, LH |
| 29 | 117-0184-03 | 1 | Bracket-Bumper, LH |
| 30 | 117-0233-03 | 1 | Bracket-Bumper, RH |
| 31 | 117-0234-03 | 1 | Bracket-Bumper, RH |
| 32 | 3234-38 | 8 | Screw-HHF |
| 33 | 3274-4 | 4 | Screw-HSH |
| 34 | 33025-00 | 4 | Nut-Lock, NI |




# Mechanical Seat Suspension Assembly No. 110-8851

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-8040 | 1 | Knobs Service Kit |
| 6 | 108-4584 | 1 | Weight Indicator Service Kit |
| 6:1 | | 1 | Tape-Weight Adjust ● |
| 6:2 | | 1 | Guide-Weight Adjust ● |
| 7 | 108-9632 | 4 | Roller |
| 8 | 108-9633 | 1 | Spring-Extension |
| 10 | 112-0164 | 1 | Boot Kit |
| 10:1 | | 1 | Boot-Suspension ● |
| 10:2 | 108-9641 | 21 | Clip-Plug |
| 18 | 108-9634 | 1 | Bumper |
| 21 | 108-9614 | 1 | Damper |
| 26 | 108-9622 | 2 | Tube |
| 33 | 3290-54 | 2 | Rivet-Blind |
| 39 | 3272-9 | 1 | Pin-Cotter |
| 42 | 32152-2 | 1 | Nut-Lock, Cone |

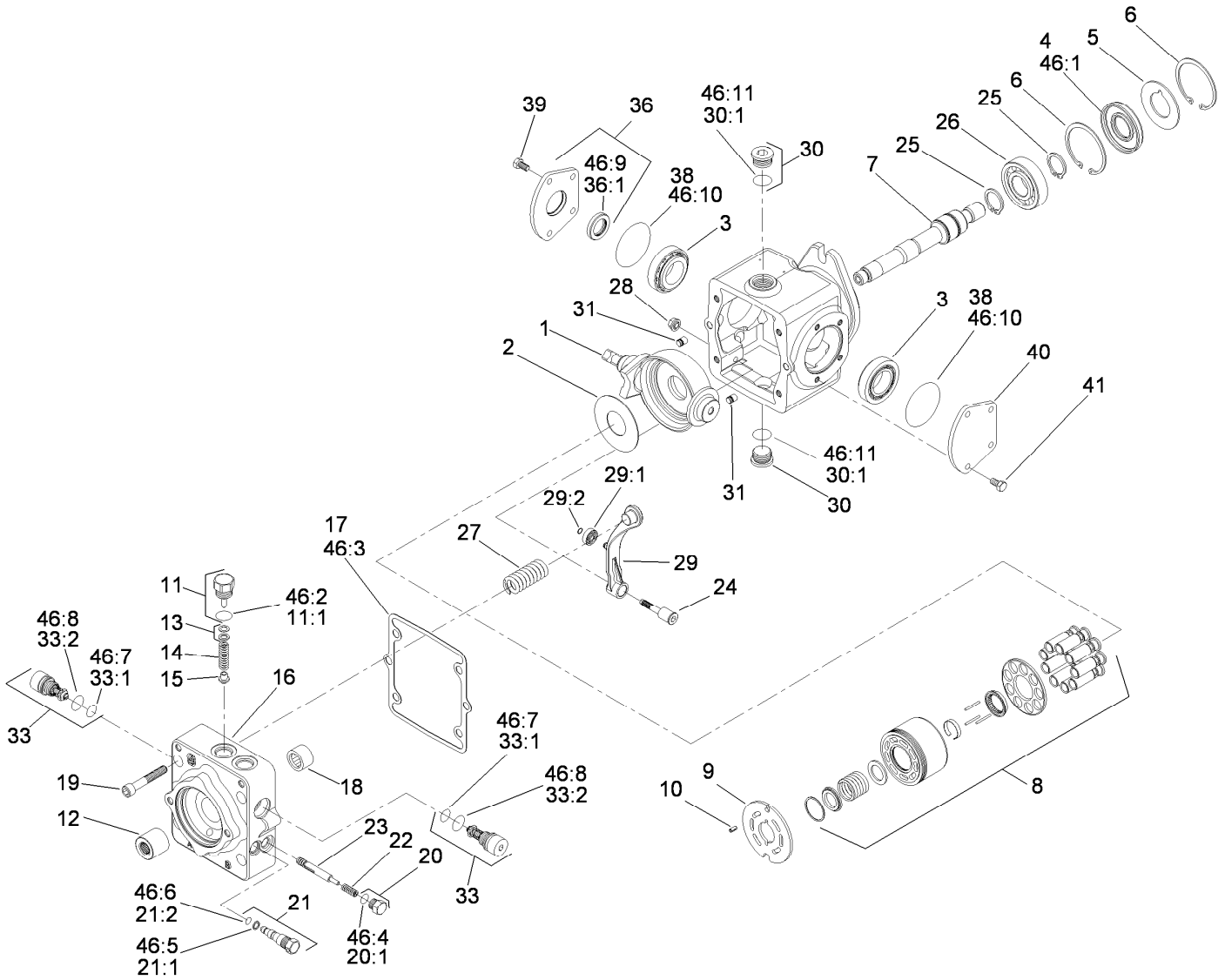
● Not serviced separately




# Traction Pump Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3234-1 | 2 | Screw-HHF |
| 2 | 119-6972 | 1 | Variable Hydraulic Pump ASM |
| 3 | 76-8870 | 1 | Damper-Lever |
| 4 | 104-8300 | 3 | Nut-HF, NI |
| 5 | 125-8822-03 | 1 | Plate-Pump |
| 6 | 3234-38 | 2 | Screw-HHF |
| 7 | 32128-49 | 2 | Nut-HHF |
| 8 | 3234-5 | 2 | Screw-HHF |
| 9 | 108-1799-03 | 1 | Hoop-Guard |
| 10 | 340-105 | 1 | Fitting-Elbow, 90 DEG |
| 10:1 | 237-80 | 1 | O-Ring |
| 10:2 | 237-30 | 1 | O-Ring |
| 11 | 32128-20 | 1 | Nut-HF |
| 12 | 3296-42 | 1 | Nut-Lock, NI |
| 13 | 322-10 | 1 | Screw-HH |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 321-9 | 1 | Screw-HH |
| 15 | 127-2356-03 | 1 | Bracket-Cable |
| 16 | 2411-41 | 1 | Rod End-Ball Joint |
| 17 | 115-5300 | 1 | Proximity Switch ASM |
| 17:1 | 117-3207 | 2 | Nut-Hex |
| 17:2 | 117-3208 | 2 | Washer-Lock, Internal Tooth |
| 18 | 117-0265 | 1 | Lever-Pump |
| 19 | 33093-00 | 1 | Washer-Flat |
| 20 | 3256-22 | 1 | Washer-Flat |
| 21 | 340-139 | 2 | Fitting-Elbow 90 |
| 21:1 | 237-81 | 1 | O-Ring |
| 21:2 | 237-65 | 1 | O-Ring |
| 22 | 32151-72 | 1 | Ring-Retaining |
| 23 | 3230-6 | 1 | Bolt-CARR |
| 24 | 3296-29 | 1 | Nut-Lock, NI |
| 25 | 33114-020 | 3 | Screw-HH |



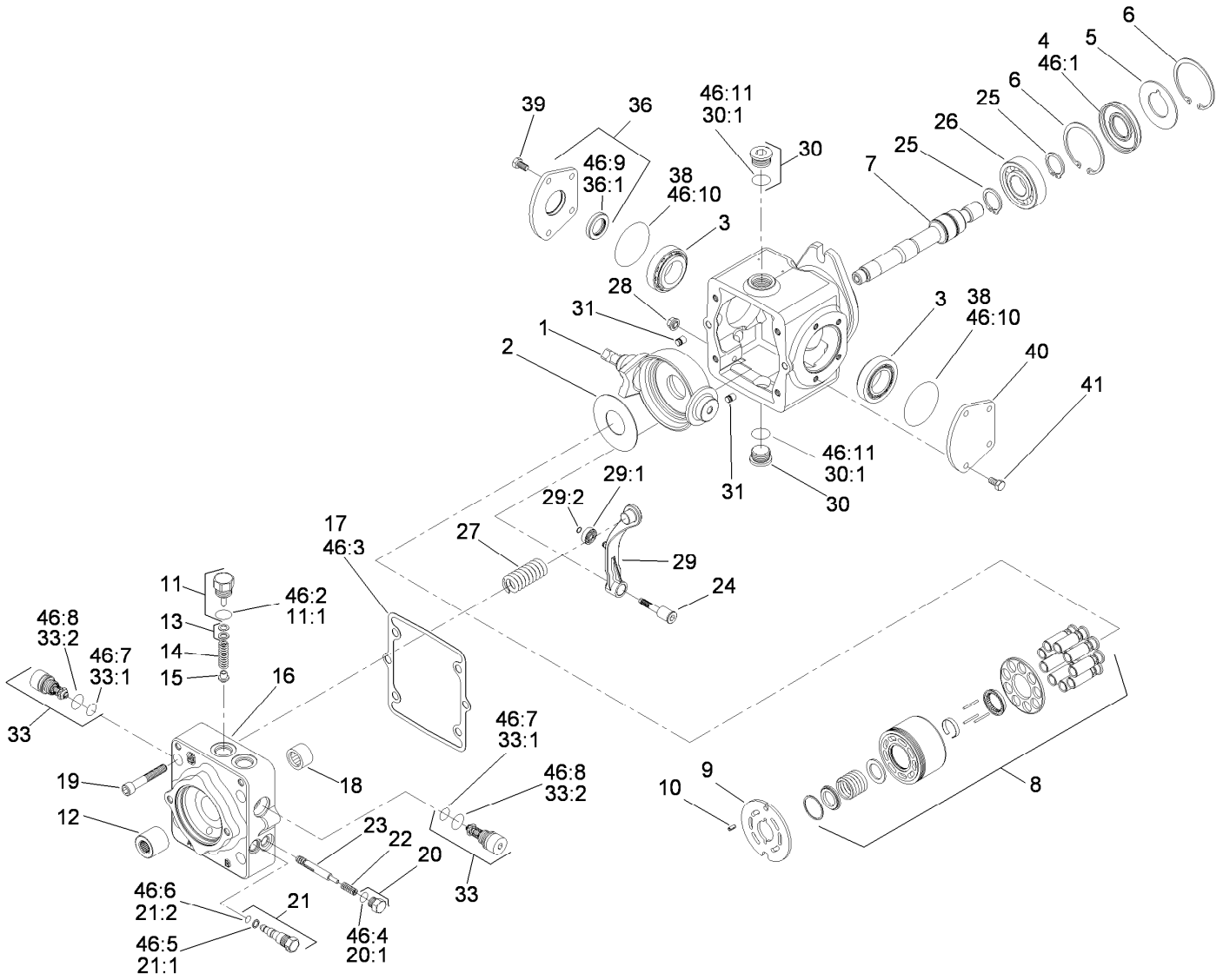

# Hydraulic Pump Assembly No. 119-6972

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 115-8092 | 1 | Swashplate |
| 2 | 75-0400 | 1 | Plate-Thrust |
| 3 | 110-6483 | 2 | Bearing Kit |
| 4 | 110-6471 | 1 | Seal-Lip |
| 5 | 95-4400 | 1 | Washer-Backup |
| 6 | 69-3200 | 2 | Ring-Retaining |
| 7 | 110-6484 | 1 | Shaft-Auxiliary |
| 8 | 110-6472 | 1 | Cylinder Block Kit ASM |
| 9 | 110-6473 | 1 | Plate-Valve (Clockwise) |
| 10 | 110-6485 | 1 | Pin-Slotted |
| 11 | 110-6486 | 1 | Plug-Relief, Charge |
| 11:1 | 28-3570 | 1 | O-Ring |
| 12 | 110-6480 | 1 | Coupling |
| 13 | 92-1353 | 1 | Shim Kit |
| 14 | 110-6474 | 1 | Spring |
| 15 | 110-6475 | 1 | Poppet |
| 16 | 115-8087 | 1 | Cap-End |
| 17 | 110-6476 | 1 | Gasket-Cap, End |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 75-0500 | 1 | Bearing-Needle |
| 19 | 110-6489 | 4 | Screw |
| 20 | 94-9415 | 2 | Plug ASM |
| 20:1 | | 1 | O-Ring ■ |
| 21 | 107-4364 | 1 | Bypass Valve ASM |
| 21:1 | 25-2630 | 1 | Ring-Back Up |
| 21:2 | 110-6498 | 1 | O-Ring |
| 22 | 110-6491 | 2 | Spring |
| 23 | 110-6492 | 1 | Spool-Loop, Flush |
| 24 | 110-6493 | 1 | Pivot-Return, Neutral |
| 25 | 69-3170 | 2 | Ring-Retaining |
| 26 | 75-0460 | 1 | Bearing-Ball |
| 27 | 115-8085 | 1 | Spring-Neutral Return |
| 28 | 110-6496 | 1 | Nut-Seal |
| 29 | 110-6497 | 1 | Neutral Return Arm ASM |
| 29:1 | 110-6494 | 1 | Bearing-Cam |
| 29:2 | 110-3056 | 1 | Ring-Retaining |
| 30 | 69-3130 | 2 | Plug |

● Not illustrated

■ Not serviced separately



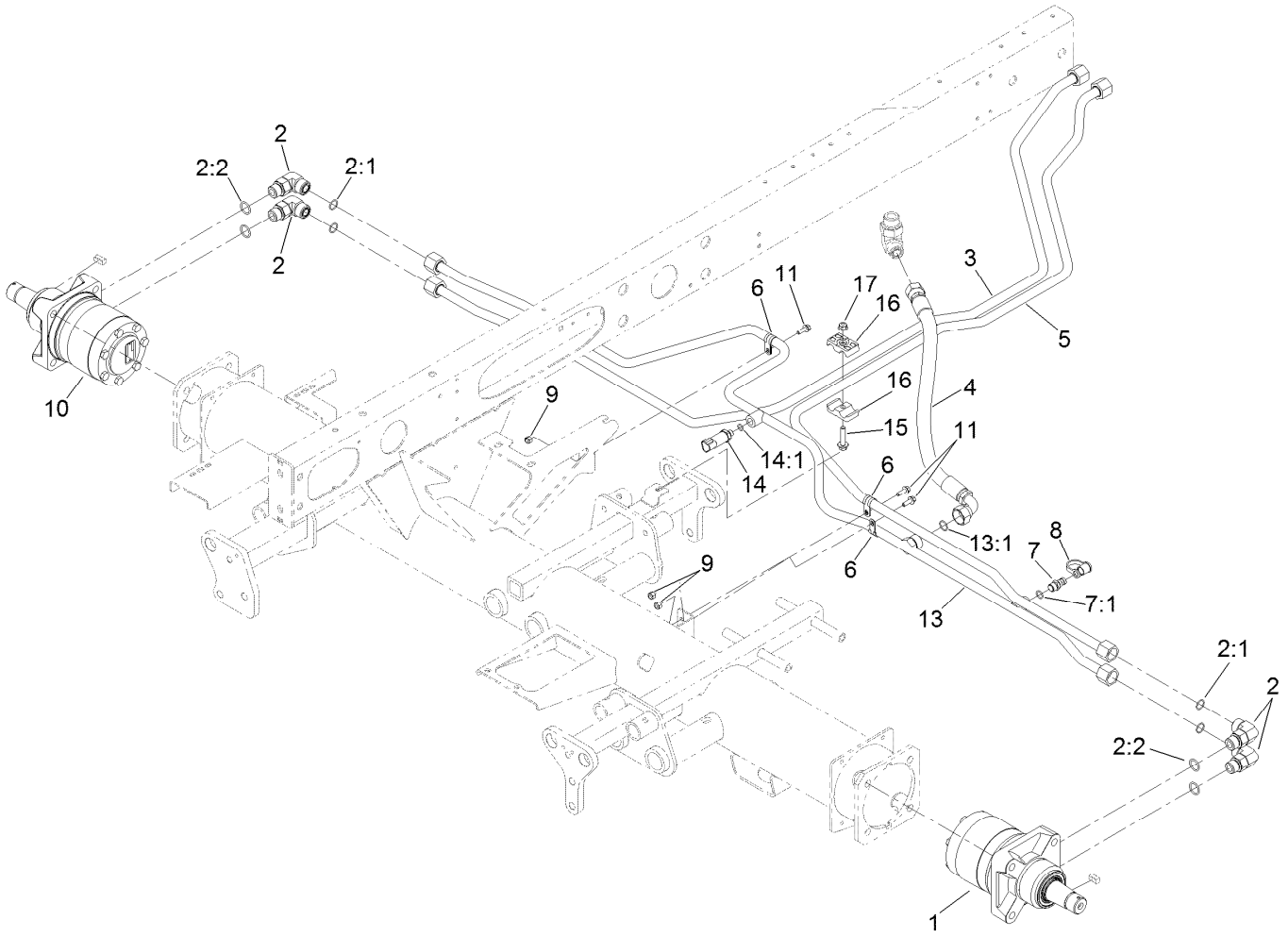

# Hydraulic Pump Assembly No. 119-6972 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 30:1 | | 1 | O-Ring ■ |
| 31 | 112-0158 | 2 | Pin |
| 33 | 110-6477 | 2 | Valve-Relief |
| 33:1 | 75-0240 | 1 | O-Ring |
| 33:2 | 84-0560 | 1 | O-Ring |
| 36 | 110-6499 | 1 | Trunnion Cover ASM |
| 36:1 | 110-6478 | 1 | Seal-Lip |
| 38 | 84-0430 | 2 | O-Ring |
| 39 | 112-0150 | 4 | Screw |
| 40 | 84-0440 | 1 | Cover-Trunnion |
| 41 | 112-0151 | 4 | Screw |
| 46 | 110-6481 | 1 | Seal Kit ● |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 46:1 | 110-6471 | 1 | Seal-Lip |
| 46:2 | 28-3570 | 1 | O-Ring |
| 46:3 | 110-6476 | 1 | Gasket-Cap, End |
| 46:4 | | 1 | O-Ring ■ |
| 46:5 | 25-2630 | 1 | Ring-Back Up |
| 46:6 | 110-6498 | 1 | O-Ring |
| 46:7 | 75-0240 | 2 | O-Ring |
| 46:8 | 84-0560 | 2 | O-Ring |
| 46:9 | 110-6478 | 1 | Seal-Lip |
| 46:10 | 84-0430 | 2 | O-Ring |
| 46:11 | | 2 | O-Ring ■ |

● Not illustrated

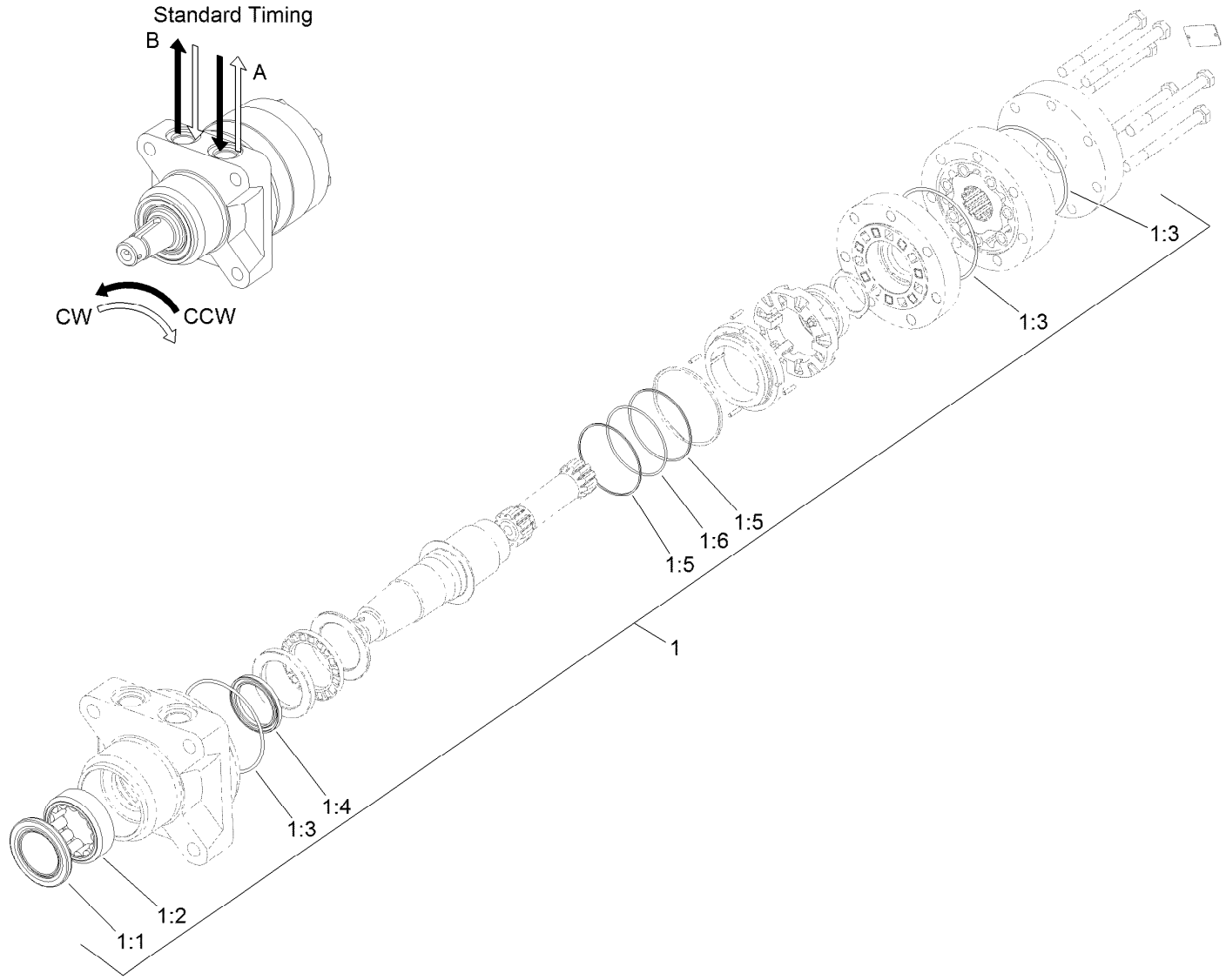
■ Not serviced separately




# Traction Hydraulic Circuit

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 133-2935 | 1 | Hydraulic Motor ASM |
| 2 | 340-17 | 4 | Fitting-Elbow, 90 DEG |
| 2:1 | 237-65 | 1 | O-Ring |
| 2:2 | 237-80 | 1 | O-Ring |
| 3 | 114-0425 | 1 | Hydraulic Tube ASM |
| 4 | 108-1679 | 1 | Hose-HYD |
| 5 | 114-0424 | 1 | Hydraulic Tube ASM |
| 6 | 2412-134 | 3 | Clamp-R |
| 7 | 59-7410 | 1 | Fitting-Diagnostic |
| 7:1 | 237-42 | 1 | O-Ring |
| 8 | 354-79 | 1 | Cap-Dust |

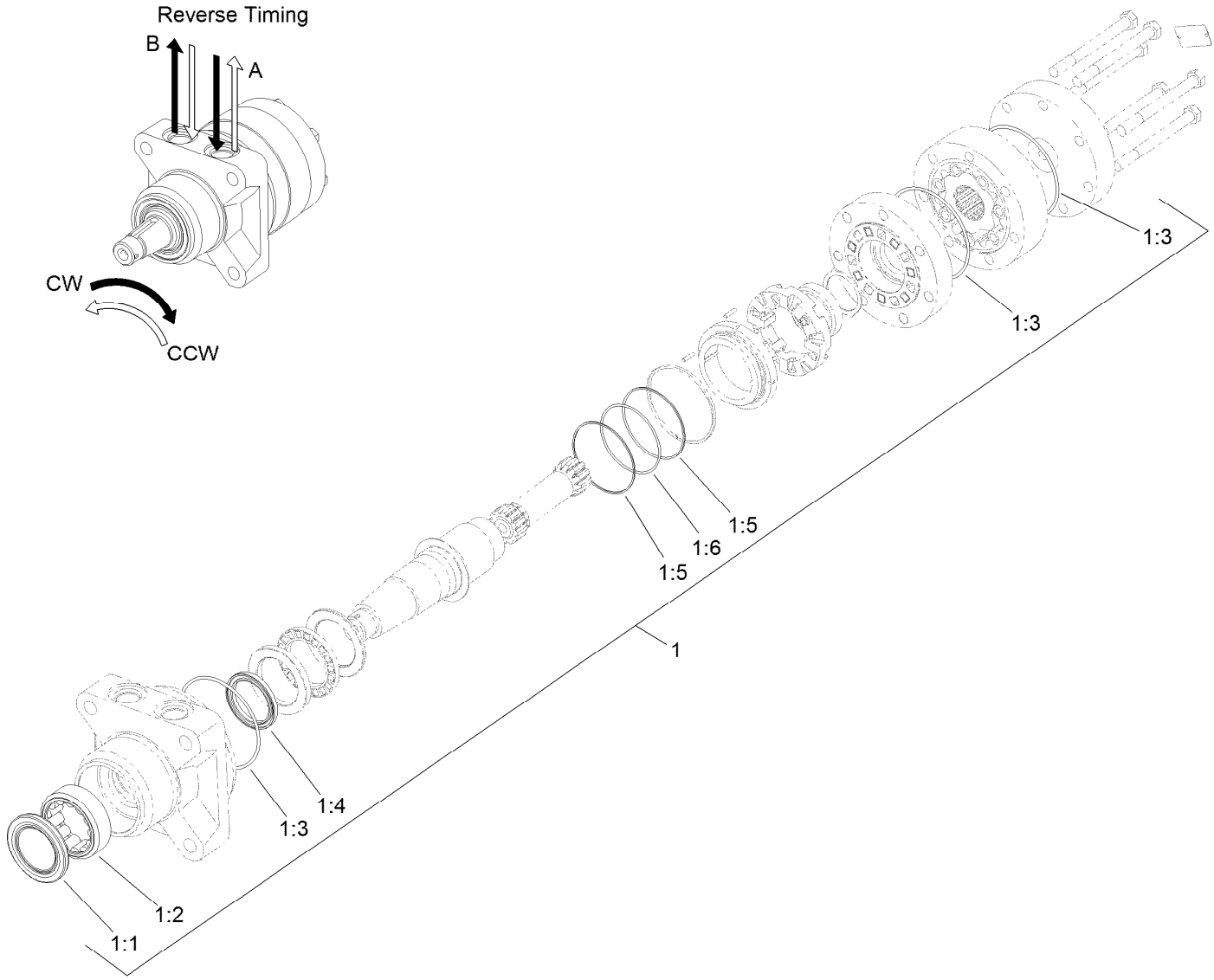
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 9 | 3296-42 | 3 | Nut-Lock, NI |
| 10 | 133-2934 | 1 | Hydraulic Motor ASM |
| 11 | 3234-4 | 3 | Screw-HHF |
| 13 | 114-0389 | 1 | Hydraulic Tube ASM |
| 13:1 | 237-65 | 1 | O-Ring |
| 14 | 119-0011 | 1 | Pressure Transducer ASM |
| 14:1 | 237-78 | 1 | O-Ring |
| 15 | 115-1794 | 1 | Screw-HHF |
| 16 | 56-7971 | 2 | Clamp-Tube |
| 17 | 104-8300 | 1 | Nut-HF, NI |




# Hydraulic Motor Assembly No. 133-2935 (CCW)

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 120-6268 | 1 | Seal Kit |
| 1:1 | | 1 | Seal-Grease ● |
| 1:2 | | 1 | Shell-Bearing ● |
| 1:3 | | 3 | O-Ring ● |
| 1:4 | | 1 | Seal-Shaft ● |
| 1:5 | | 2 | Ring-Back Up ● |
| 1:6 | | 1 | O-Ring ● |

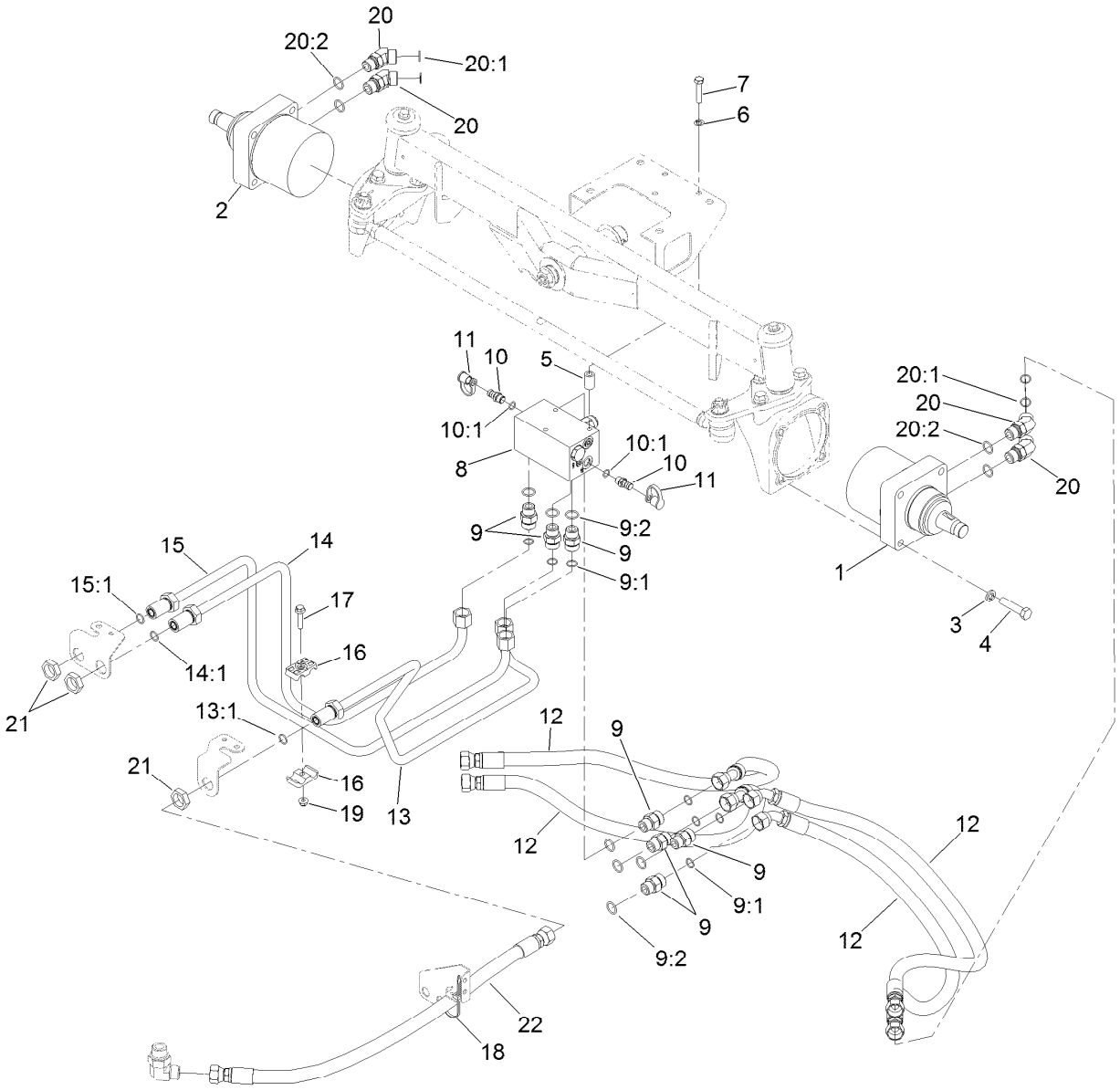
● Not serviced separately




# Hydraulic Motor Assembly No. 133-2934 (CW)

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 120-6268 | 1 | Seal Kit |
| 1:1 | | 1 | Seal-Grease ● |
| 1:2 | | 1 | Shell-Bearing ● |
| 1:3 | | 3 | O-Ring ● |
| 1:4 | | 1 | Seal-Shaft ● |
| 1:5 | | 2 | Ring-Back Up ● |
| 1:6 | | 1 | O-Ring ● |

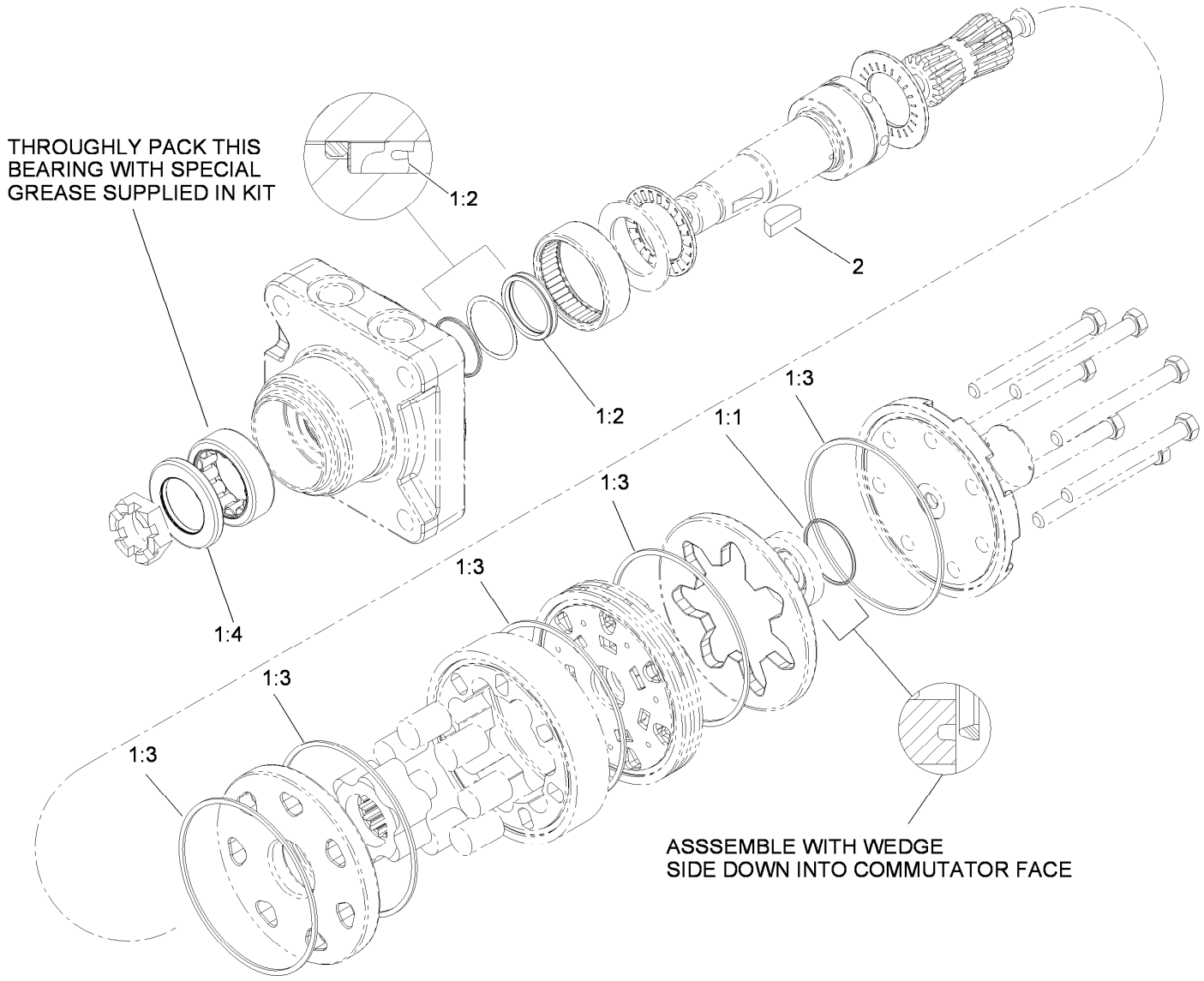
● Not serviced separately




# Rear Traction Hydraulic Circuit

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 107-4544 | 1 | HYD Motor ASM |
| 2 | 110-0901 | 1 | HYD Motor ASM |
| 3 | 3253-7 | 8 | Washer-Lock |
| 4 | 325-9 | 8 | Screw-HH |
| 5 | 93-6981 | 3 | Spacer |
| 6 | 3253-21 | 3 | Washer-Lock |
| 7 | 323-9 | 3 | Screw-HH |
| 8 | 108-1825 | 1 | HYD Manifold ASM |
| 9 | 340-7 | 7 | Fitting-Straight |
| 9:1 | 237-65 | 1 | O-Ring |
| 9:2 | 237-80 | 1 | O-Ring |
| 10 | 59-7410 | 2 | Fitting-Diagnostic |
| 10:1 | 237-42 | 1 | O-Ring |
| 11 | 354-79 | 2 | Cap-Dust |
| 12 | 106-3662 | 4 | Hose-HYD |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13 | 108-7626 | 1 | Tube ASM |
| 13:1 | 237-65 | 1 | O-Ring |
| 14 | 108-7625 | 1 | Tube ASM |
| 14:1 | 237-65 | 1 | O-Ring |
| 15 | 108-7624 | 1 | Tube ASM |
| 15:1 | 237-65 | 1 | O-Ring |
| 16 | 56-7971 | 2 | Clamp-Tube |
| 17 | 94-5780 | 1 | Screw-HWH |
| 18 | 3290-378 | 1 | Tie-Cable |
| 19 | 104-8300 | 1 | Nut-HF, NI |
| 20 | 340-14 | 4 | Fitting-HYD, 45 DEG |
| 20:1 | 237-65 | 1 | O-Ring |
| 20:2 | 237-80 | 1 | O-Ring |
| 21 | 340-74 | 3 | Nut-Lock, Bulkhead |
| 22 | 108-7645 | 1 | Hose-HYD |

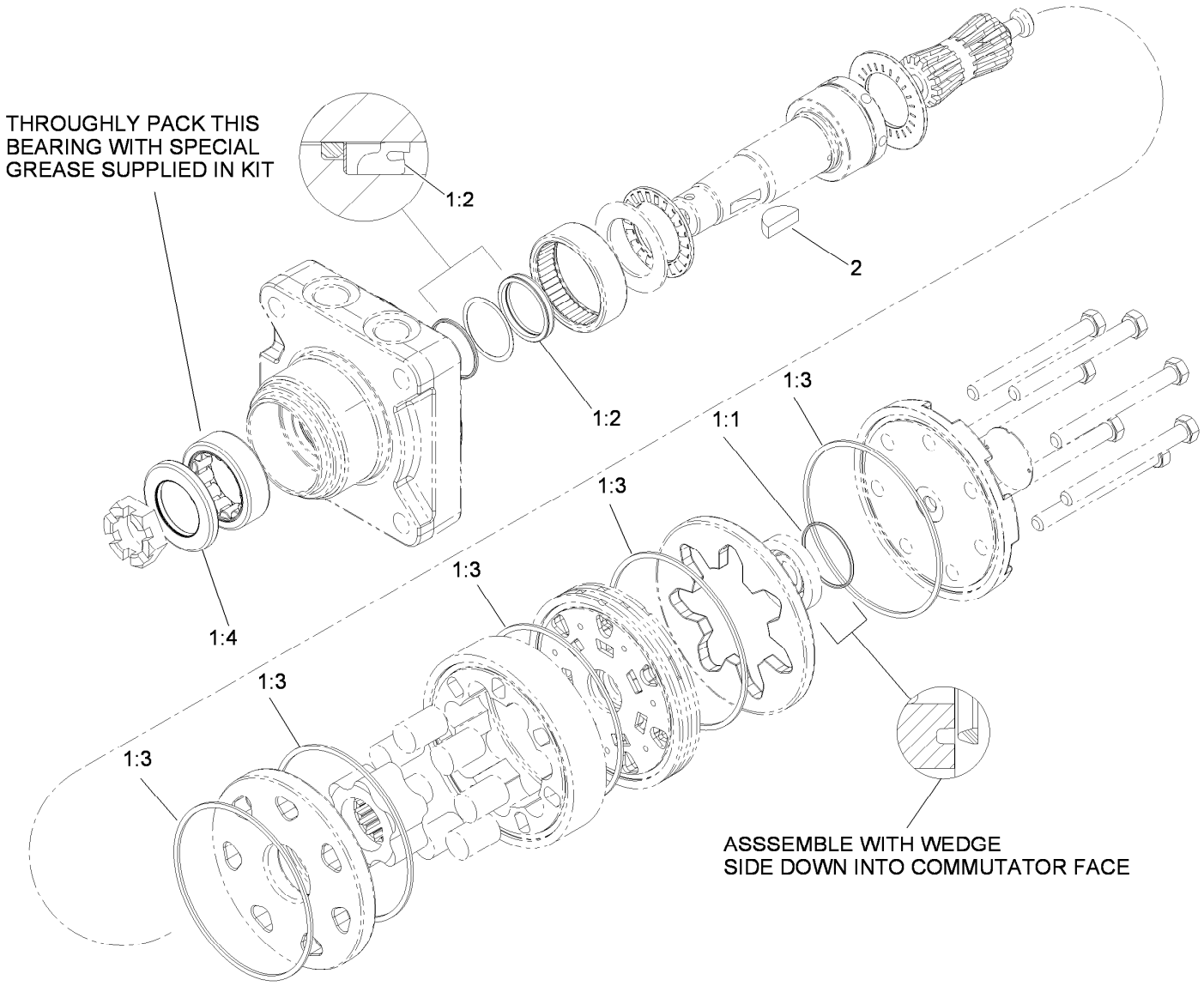



# Hydraulic Motor Asembly No. 107-4544

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-8897 | 1 | Seal Kit ● |
| 1:1 | | 1 | Seal-Commutator, Vespel ■ |
| 1:2 | | 1 | Seal-Shaft ■ |
| 1:3 | | 5 | Seal-Body, Buna ■ |
| 1:4 | | 1 | Seal-Dirt / Water ■ |
| 2 | 3257-42 | 1 | Key-Woodruff |

● Not illustrated

■ Not serviced separately

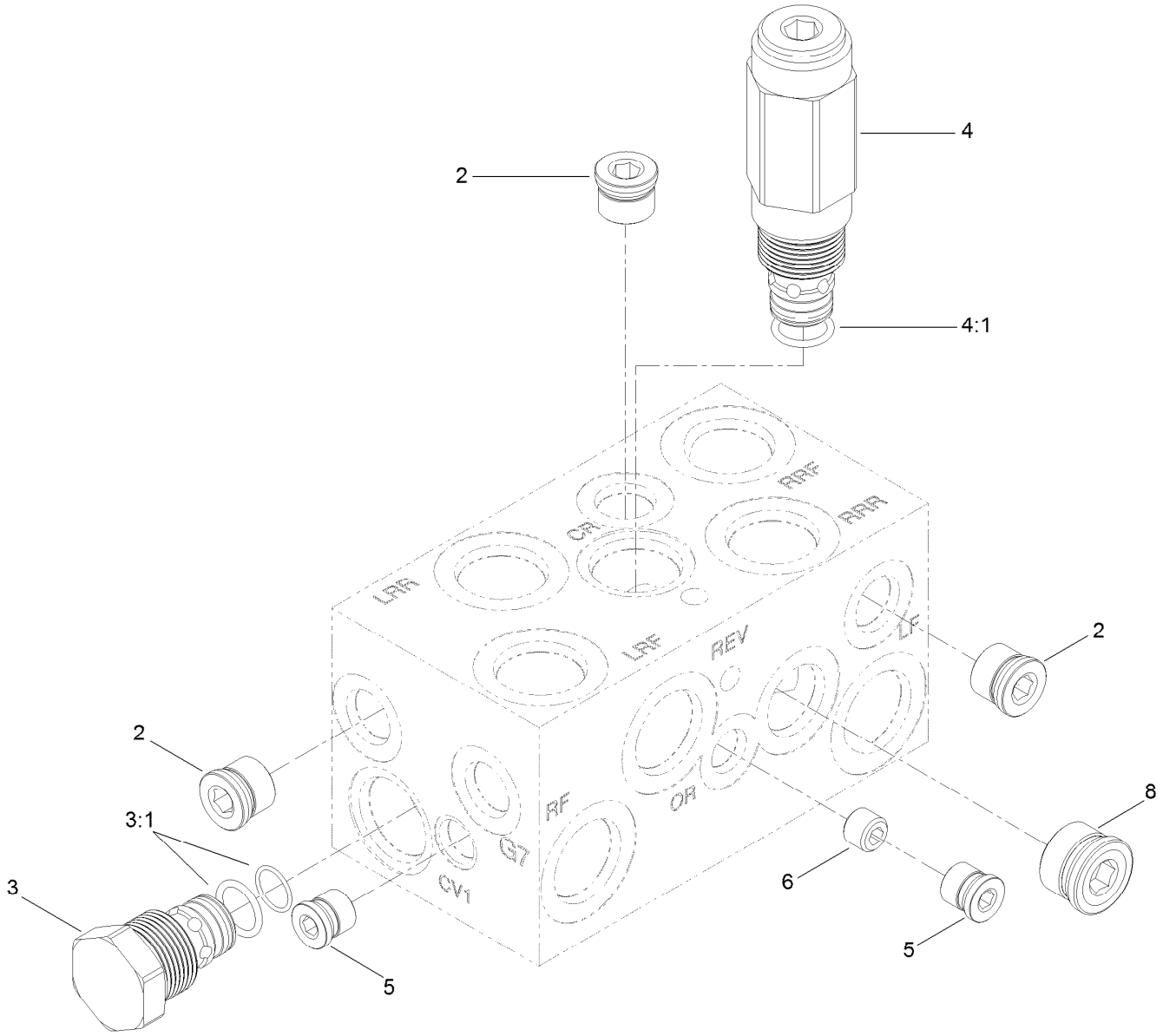



# Hydraulic Motor Assembly No. 110-0901

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 110-8897 | 1 | Seal Kit ● |
| 1:1 | | 1 | Seal-Commutator, Vespel ■ |
| 1:2 | | 1 | Seal-Shaft ■ |
| 1:3 | | 5 | Seal-Body, Buna ■ |
| 1:4 | | 1 | Seal-Dirt / Water ■ |
| 2 | 3257-42 | 1 | Key-Woodruff |

● Not illustrated

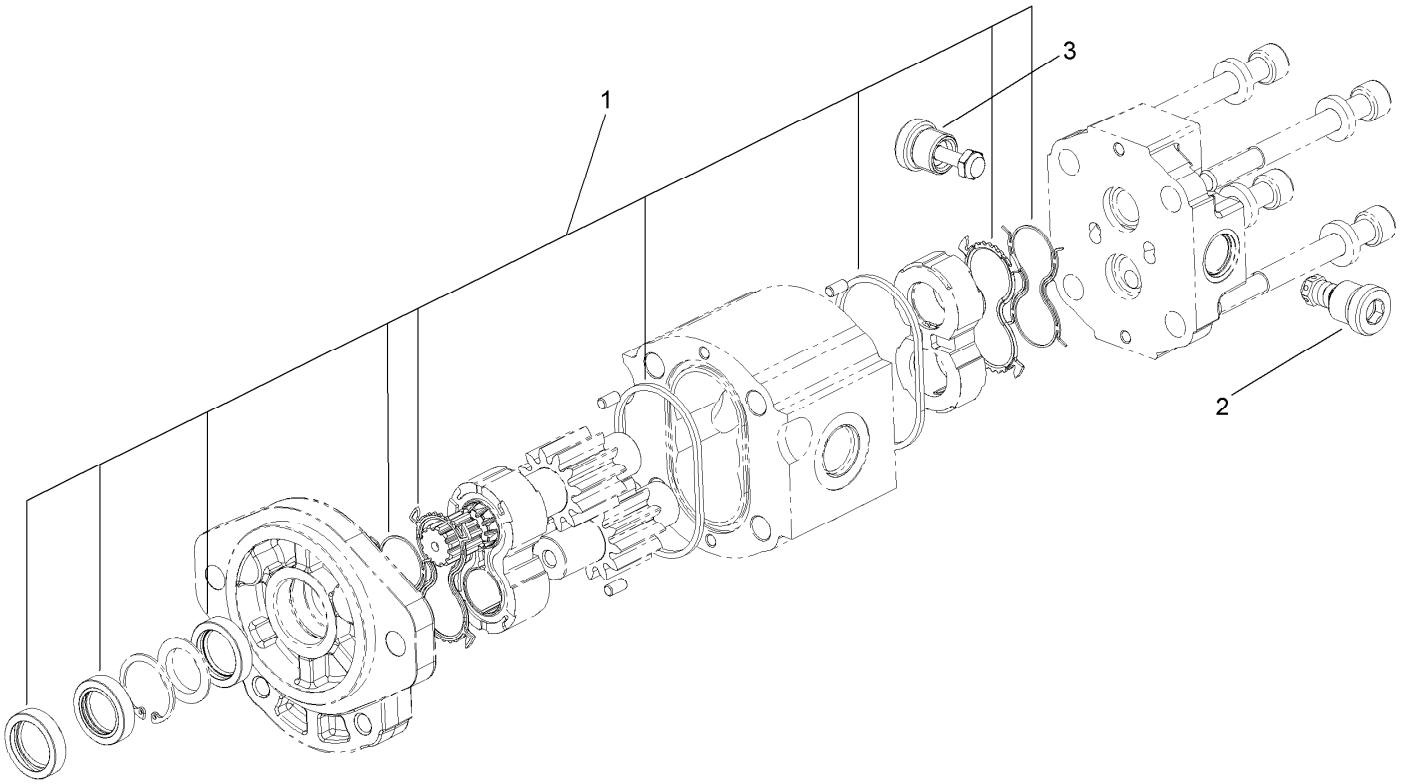
■ Not serviced separately




# Four Wheel Drive Manifold Assembly No. 108-1825

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 106-1026 | 3 | Plug-HYD |
| 3 | 110-8881 | 2 | Valve-Check |
| 3:1 | 105-9159 | 1 | Seal Kit ● |
| 4 | 110-8882 | 1 | Valve-Relief, Cross Over |
| 4:1 | 110-6316 | 1 | Seal Kit |
| 5 | 106-1025 | 2 | Plug-HYD |
| 6 | 110-8883 | 1 | Plug-Orifice (0.040) |
| 8 | 106-1027 | 1 | Plug |

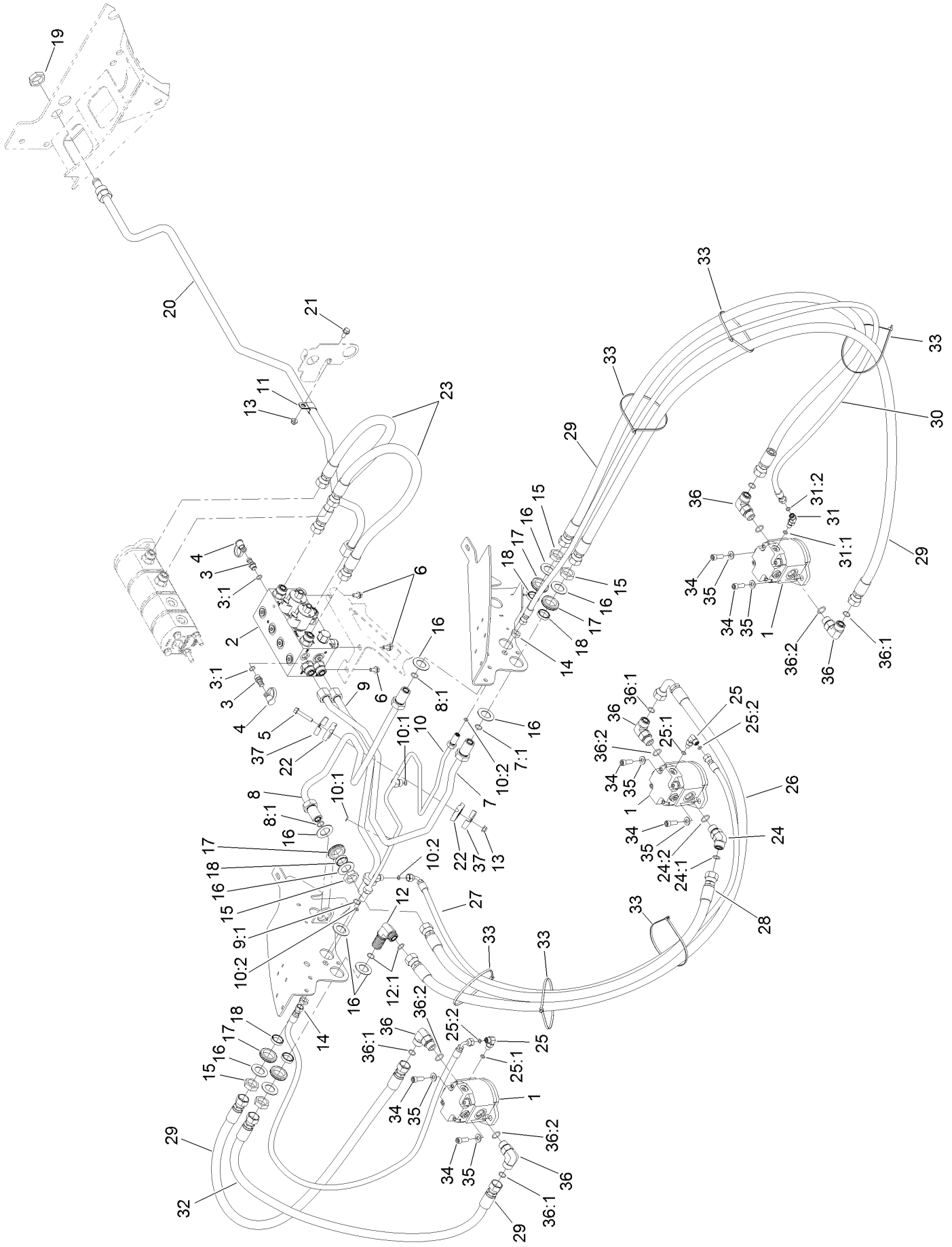
● Not illustrated




# Gear Motor Assembly No. 108-4004

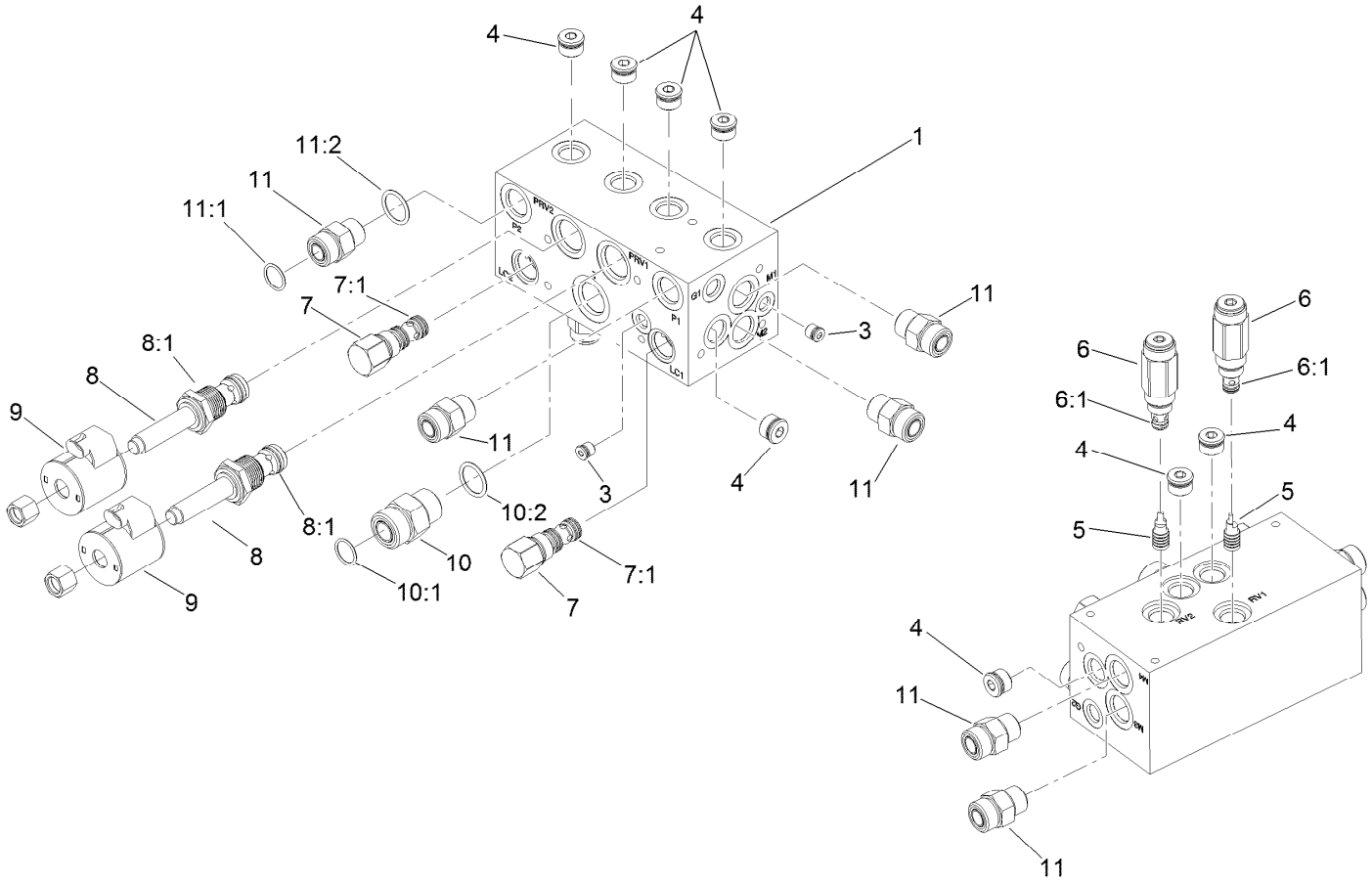
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 117-0235 | 1 | Seal Kit |
| 2 | 107-7820 | 1 | Valve-Relief |
| 3 | 107-7821 | 1 | Valve-Anticavitation |

# Front Deck Hydraulic Assembly



# Front Deck Hydraulic Assembly (continued)

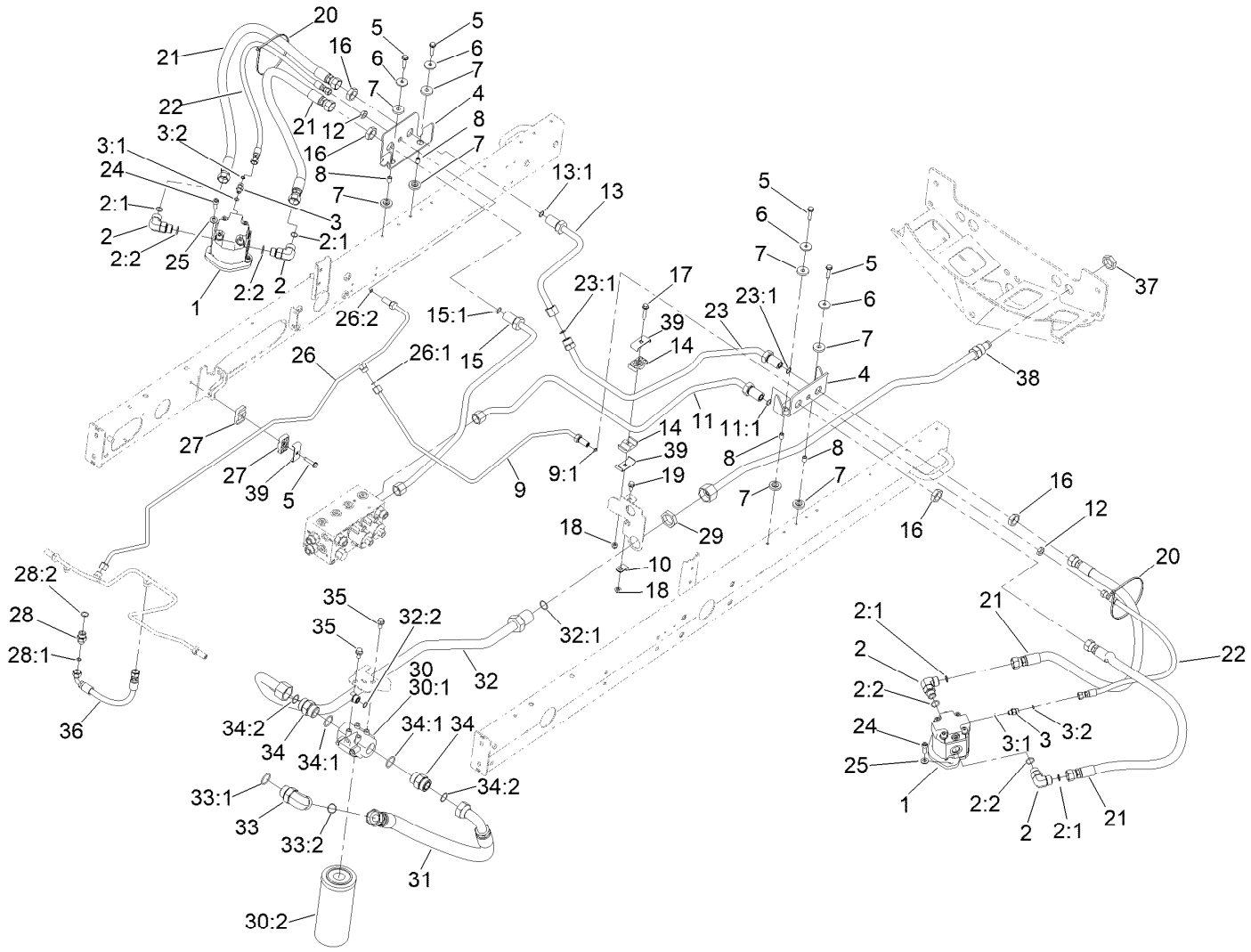
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 108-4004 | 3 | Gear Motor ASM |
| 2 | 114-0359 | 1 | Deck Control Manifold ASM |
| 3 | 59-7410 | 2 | Fitting-Diagnostic |
| 3:1 | 237-42 | 1 | O-Ring |
| 4 | 354-79 | 2 | Cap-Dust |
| 5 | 94-5780 | 1 | Screw-HWH |
| 6 | 3234-14 | 3 | Screw-HHF |
| 7 | 117-0138 | 1 | Tube ASM |
| 7:1 | 237-65 | 1 | O-Ring |
| 8 | 117-0137 | 1 | Tube ASM |
| 8:1 | 237-65 | 2 | O-Ring |
| 9 | 117-0139 | 1 | Tube ASM |
| 9:1 | 237-65 | 1 | O-Ring |
| 10 | 110-5286 | 1 | Tube ASM |
| 10:1 | 237-22 | 2 | O-Ring |
| 10:2 | 237-21 | 3 | O-Ring |
| 11 | 2412-4 | 1 | Clamp-R |
| 12 | 340-72 | 1 | Fitting-Bulkhead, 90 DEG |
| 12:1 | 237-65 | 2 | O-Ring |
| 13 | 104-8300 | 2 | Nut-HF, NI |
| 14 | 340-78 | 2 | Nut-Lock |
| 15 | 340-74 | 5 | Nut-Lock, Bulkhead |
| 16 | 69-9010 | 10 | Washer |
| 17 | 240-3 | 5 | Grommet-Rubber |
| 18 | 125-1984 | 5 | Spacer |
| 19 | 340-126 | 1 | Nut-Bulkhead |
| 20 | 108-1700 | 1 | Tube ASM |
| 21 | 3234-5 | 1 | Screw-HHF |
| 22 | 56-7970 | 2 | Clamp-Tube |
| 23 | 108-1686 | 2 | Hose-HYD |
| 24 | 340-14 | 1 | Fitting-HYD, 45 DEG |
| 24:1 | 237-65 | 1 | O-Ring |
| 24:2 | 237-80 | 1 | O-Ring |
| 25 | 340-132 | 2 | Fitting-Elbow, 90 DEG |
| 25:1 | 237-78 | 1 | O-Ring |
| 25:2 | 237-21 | 1 | O-Ring |
| 26 | 117-0213 | 1 | HYD Hose ASM |
| 27 | 117-0211 | 1 | HYD Hose ASM |
| 28 | 117-0212 | 1 | HYD Hose ASM |
| 29 | 117-0299 | 4 | HYD Hose ASM |
| 30 | 104-9323 | 1 | Hose-HYD |
| 31 | 340-103 | 1 | Fitting-HYD, 45 DEG |
| 31:1 | 237-78 | 1 | O-Ring |
| 31:2 | 237-21 | 1 | O-Ring |
| 32 | 92-7638 | 1 | Hose ASM |
| 33 | 3334-945 | 9 | Tie-Cable |
| 34 | 3274-7 | 6 | Screw-HSH |
| 35 | 3256-24 | 6 | Washer-Flat |
| 36 | 340-17 | 5 | Fitting-Elbow, 90 DEG |
| 36:1 | 237-65 | 1 | O-Ring |
| 36:2 | 237-80 | 1 | O-Ring |
| 37 | 119-1419 | 2 | Plate-Clamp |




# Deck Control Manifold Assembly No. 114-0359

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Hydraulic Manifold ● |
| 3 | 106-1025 | 2 | Plug-HYD |
| 4 | 106-1027 | 8 | Plug |
| 5 | 105-9157 | 2 | Piston-Pilot |
| 6 | 112-5259 | 2 | Valve-Relief |
| 6:1 | 105-9156 | 1 | Seal Kit |
| 7 | 105-9153 | 2 | Element-Logic, Vented |
| 7:1 | 119-2159 | 1 | Seal Kit |
| 8 | 117-0229 | 2 | Valve-Relief, Proportional |
| 8:1 | 117-1114 | 1 | Seal Kit |
| 9 | 110-6344 | 2 | Coil-12V, DC |
| 10 | 340-9 | 1 | Fitting-STR |
| 10:1 | 237-58 | 1 | O-Ring |
| 10:2 | 237-81 | 1 | O-Ring |
| 11 | 340-7 | 2 | Fitting-Straight |
| 11:1 | 237-65 | 1 | O-Ring |
| 11:2 | 237-80 | 1 | O-Ring |

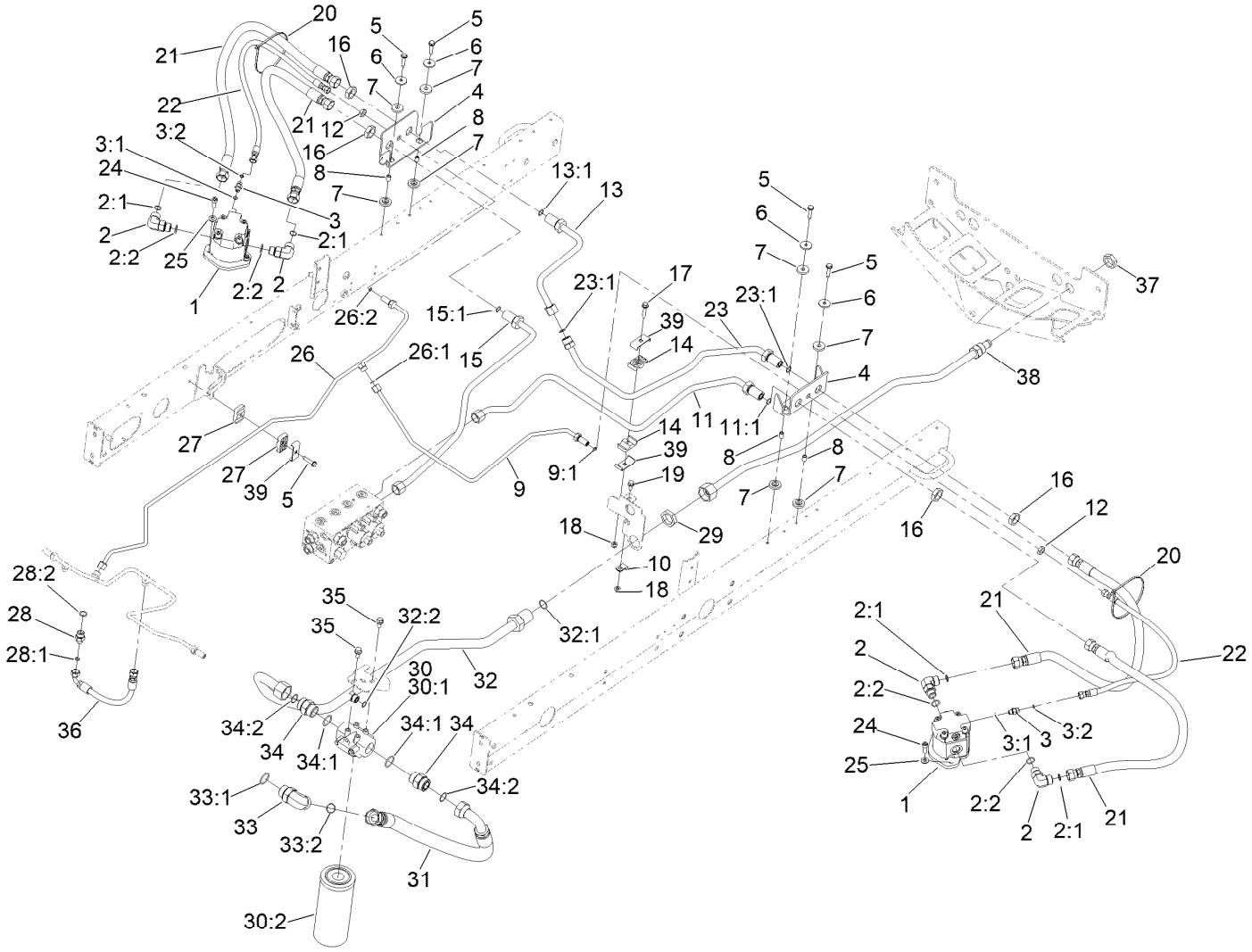
● Not serviced separately




# Rear Deck Hydraulic Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 108-4004 | 2 | Gear Motor ASM |
| 2 | 340-17 | 4 | Fitting-Elbow, 90 DEG |
| 2:1 | 237-65 | 1 | O-Ring |
| 2:2 | 237-80 | 1 | O-Ring |
| 3 | 340-92 | 2 | Fitting-Straight |
| 3:1 | 237-78 | 1 | O-Ring |
| 3:2 | 237-21 | 1 | O-Ring |
| 4 | 117-0174-03 | 2 | Bracket-Bulkhead |
| 5 | 32144-57 | 5 | Screw |
| 6 | 105-3048 | 4 | Washer-Flat |
| 7 | 240-11 | 8 | Bushing-Flange |
| 8 | 99-8611 | 4 | Spacer |
| 9 | 114-8887 | 1 | Tube ASM |
| 9:1 | 237-21 | 1 | O-Ring |
| 10 | 2412-113 | 1 | Clamp-R |
| 11 | 117-0142 | 1 | Tube ASM |
| 11:1 | 237-65 | 1 | O-Ring |
| 12 | 340-78 | 2 | Nut-Lock |
| 13 | 117-0140 | 1 | Tube ASM |
| 13:1 | 237-65 | 1 | O-Ring |
| 14 | 56-7971 | 2 | Clamp-Tube |

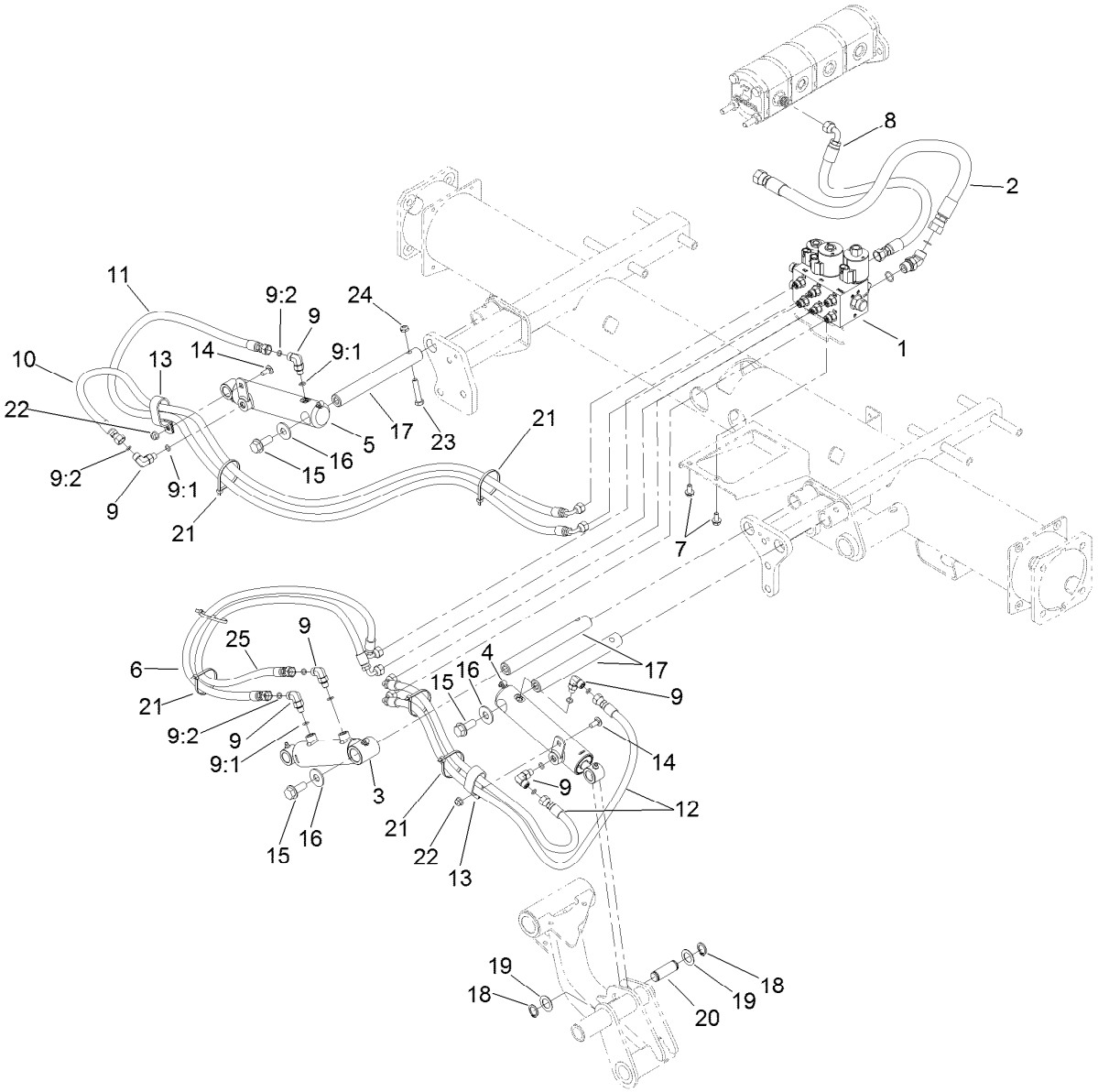
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 117-0141 | 1 | Tube ASM |
| 15:1 | 237-65 | 1 | O-Ring |
| 16 | 340-74 | 4 | Nut-Lock, Bulkhead |
| 17 | 94-5780 | 1 | Screw-HWH |
| 18 | 104-8300 | 2 | Nut-HF, NI |
| 19 | 3234-5 | 1 | Screw-HHF |
| 20 | 3334-945 | 6 | Tie-Cable |
| 21 | 105-1215 | 4 | Hose-HYD |
| 22 | 108-6507 | 2 | Hose-HYD |
| 23 | 117-0177 | 1 | Tube ASM |
| 23:1 | 237-65 | 2 | O-Ring |
| 24 | 3274-7 | 4 | Screw-HSH |
| 25 | 3256-24 | 4 | Washer-Flat |
| 26 | 114-8888 | 1 | Tube ASM |
| 26:1 | 237-22 | 1 | O-Ring |
| 26:2 | 237-21 | 1 | O-Ring |
| 27 | 56-7972 | 2 | Clamp-Tube |
| 28 | 340-3 | 1 | Fitting-Straight |
| 28:1 | 237-22 | 1 | O-Ring |
| 28:2 | 237-79 | 1 | O-Ring |
| 29 | 340-128 | 1 | Nut-Bulkhead |




# Rear Deck Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 30 | 98-3923 | 1 | Oil Filter ASM |
| 30:1 | 104-0080 | 1 | Filter Head ASM |
| 30:2 | 94-2621 | 1 | Element-Filter |
| 31 | 108-1689 | 1 | Hose-HYD |
| 32 | 108-1699 | 1 | Tube ASM |
| 32:1 | 340-65 | 1 | O-Ring |
| 32:2 | 237-30 | 1 | O-Ring |
| 33 | 340-129 | 1 | Fitting-Elbow, 90 DEG |
| 33:1 | 237-146 | 1 | O-Ring |

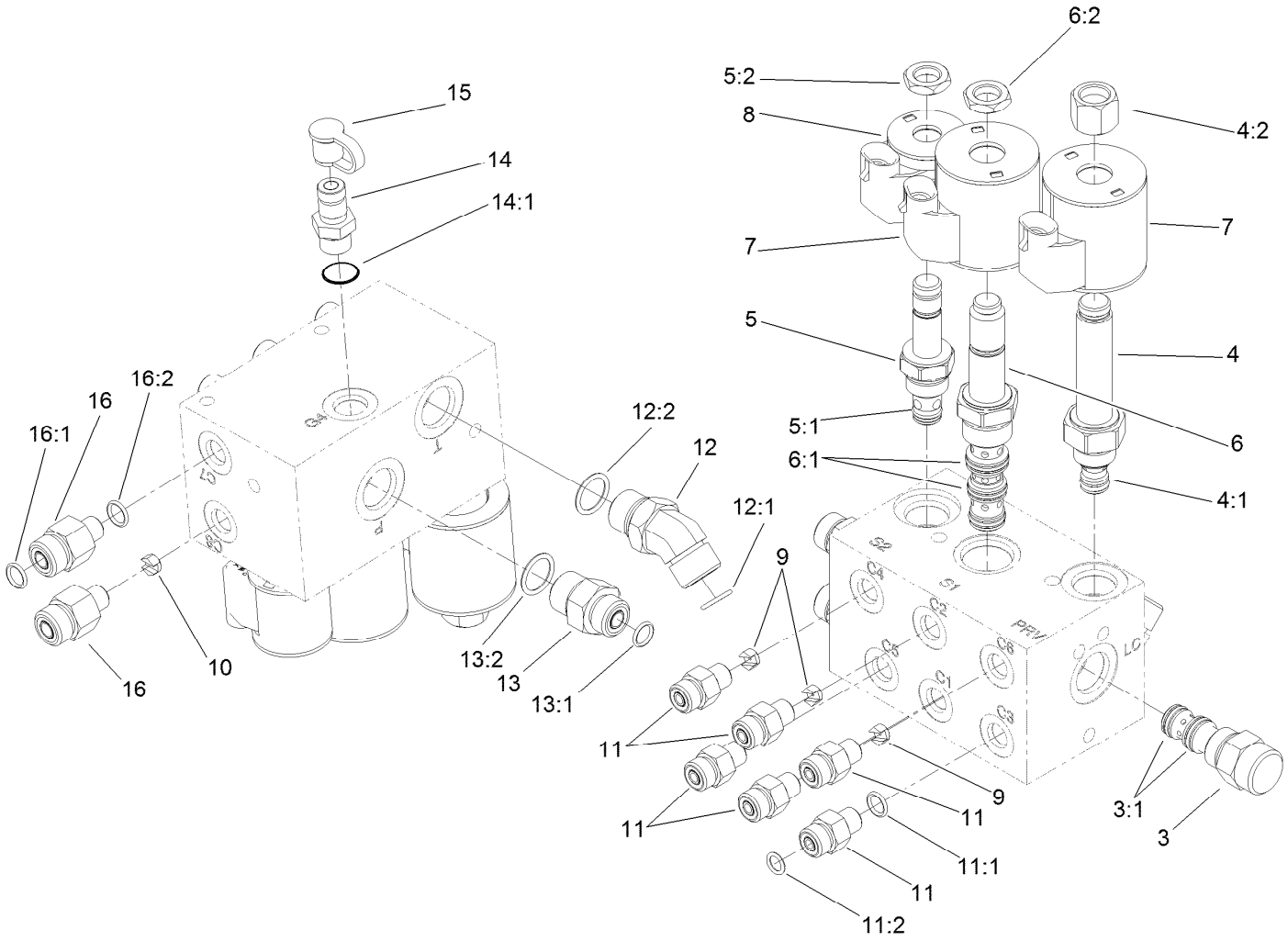
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 33:2 | 340-65 | 1 | O-Ring |
| 34 | 104-3797 | 2 | Fitting-Straight |
| 34:1 | 237-146 | 1 | O-Ring |
| 34:2 | 340-65 | 1 | O-Ring |
| 35 | 3234-1 | 2 | Screw-HHF |
| 36 | 66-8490 | 1 | Hose-HYD |
| 37 | 340-126 | 1 | Nut-Bulkhead |
| 38 | 108-1691 | 1 | Tube ASM |
| 39 | 119-1419 | 3 | Plate-Clamp |




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

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 117-0158 | 1 | Lift Control Manifold ASM |
| 2 | 117-0180 | 1 | Hose-HYD |
| 3 | 119-6989 | 1 | HYD Cylinder ASM |
| 4 | 119-6990 | 1 | HYD Cylinder ASM |
| 5 | 119-6991 | 1 | HYD Cylinder ASM |
| 6 | 117-0253 | 1 | Hose-HYD |
| 7 | 3234-14 | 2 | Screw-HHF |
| 8 | 92-5694 | 1 | Hose-Hydraulic |
| 9 | 340-132 | 6 | Fitting-Elbow, 90 DEG |
| 9:1 | 237-78 | 1 | O-Ring |
| 9:2 | 237-21 | 1 | O-Ring |
| 10 | 117-0262 | 1 | Hose-HYD |
| 11 | 117-0261 | 1 | Hose-HYD |
| 12 | 85-4940 | 2 | Hose-HYD |

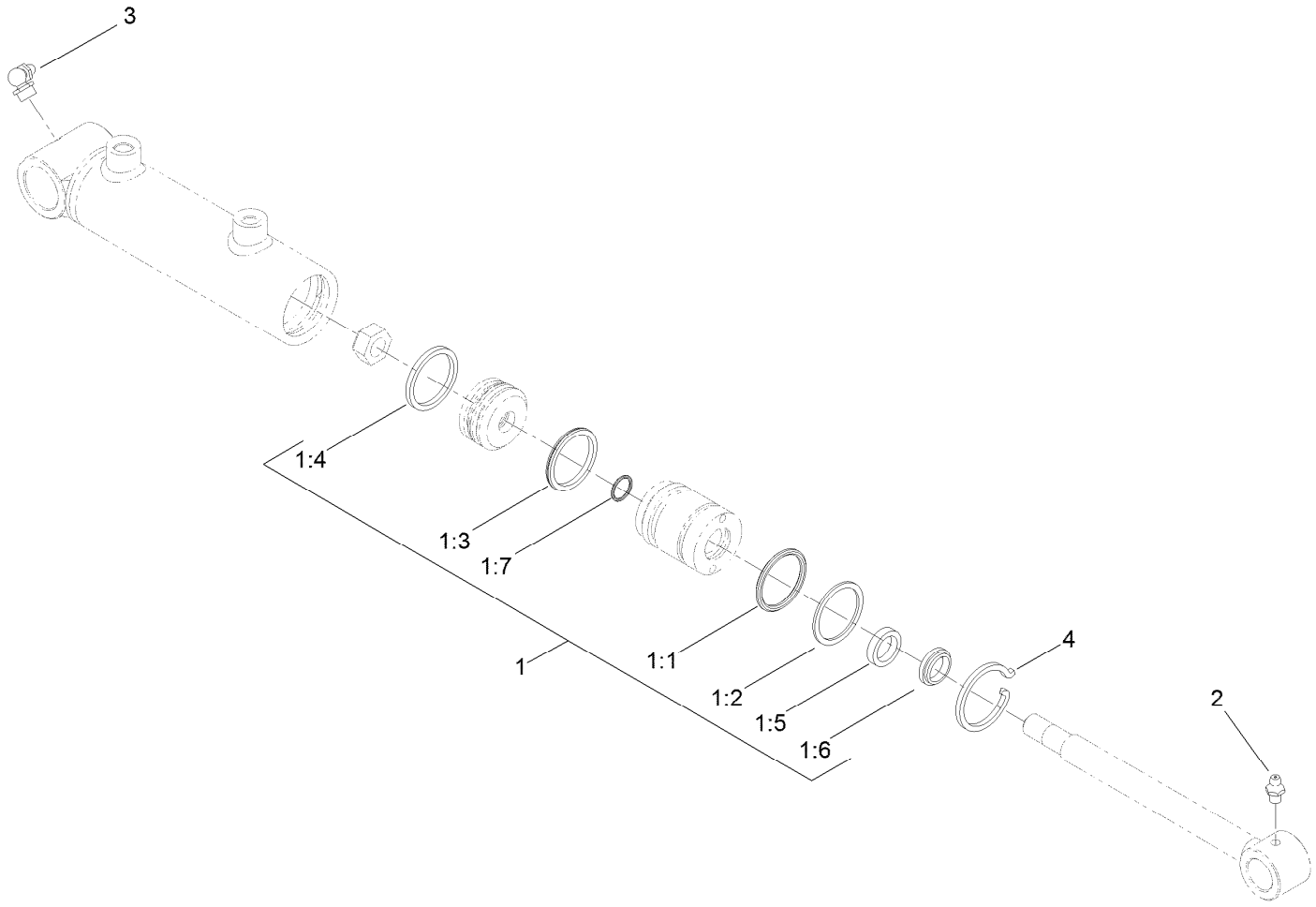
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 13 | 2412-137 | 2 | Clamp-R, Double |
| 14 | 3230-23 | 2 | Bolt-CARR |
| 15 | 3234-38 | 3 | Screw-HHF |
| 16 | 3256-6 | 3 | Washer-Flat |
| 17 | 117-0148 | 3 | Pin-Cylinder |
| 18 | 32120-93 | 6 | Ring-Retaining |
| 19 | 3-6498 | 6 | Washer-Thrust |
| 20 | 104-0046 | 3 | Pin-Slide, Cylinder |
| 21 | 3290-379 | 6 | Tie-Cable |
| 22 | 104-8300 | 2 | Nut-HF, NI |
| 23 | 323-9 | 3 | Screw-HH |
| 24 | 3296-59 | 3 | Nut-Lock, NI |
| 25 | 117-0254 | 1 | HP HYD Hose ASM |




# Lift Control Manifold Assembly No. 117-0158

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 3 | 117-0228 | 1 | Element-Directional, Pilot |
| 3:1 | 115-5413 | 1 | Seal Kit |
| 4 | 117-0227 | 1 | Valve-Relief, Proportional |
| 4:1 | 105-9156 | 1 | Seal Kit |
| 4:2 | 119-2160 | 1 | Nut-Coil |
| 5 | 107-7516 | 1 | Solenoid Valve ASM |
| 5:1 | 105-9156 | 1 | Seal Kit |
| 5:2 | 110-2634 | 1 | Nut-Coil |
| 6 | 110-8906 | 1 | Valve-Solenoid |
| 6:1 | 110-8908 | 1 | Spool Valve Seal Kit |
| 6:2 | 110-2634 | 1 | Nut-Coil |
| 7 | 110-6344 | 2 | Coil-12V, DC |
| 8 | 110-0497 | 1 | Coil-Solenoid |
| 9 | 110-8902 | 3 | Orifice-Control, Flow (0.046) |
| 10 | 114-4682 | 1 | Orifice-Flow Control (.030) |
| 11 | 340-92 | 6 | Fitting-Straight |

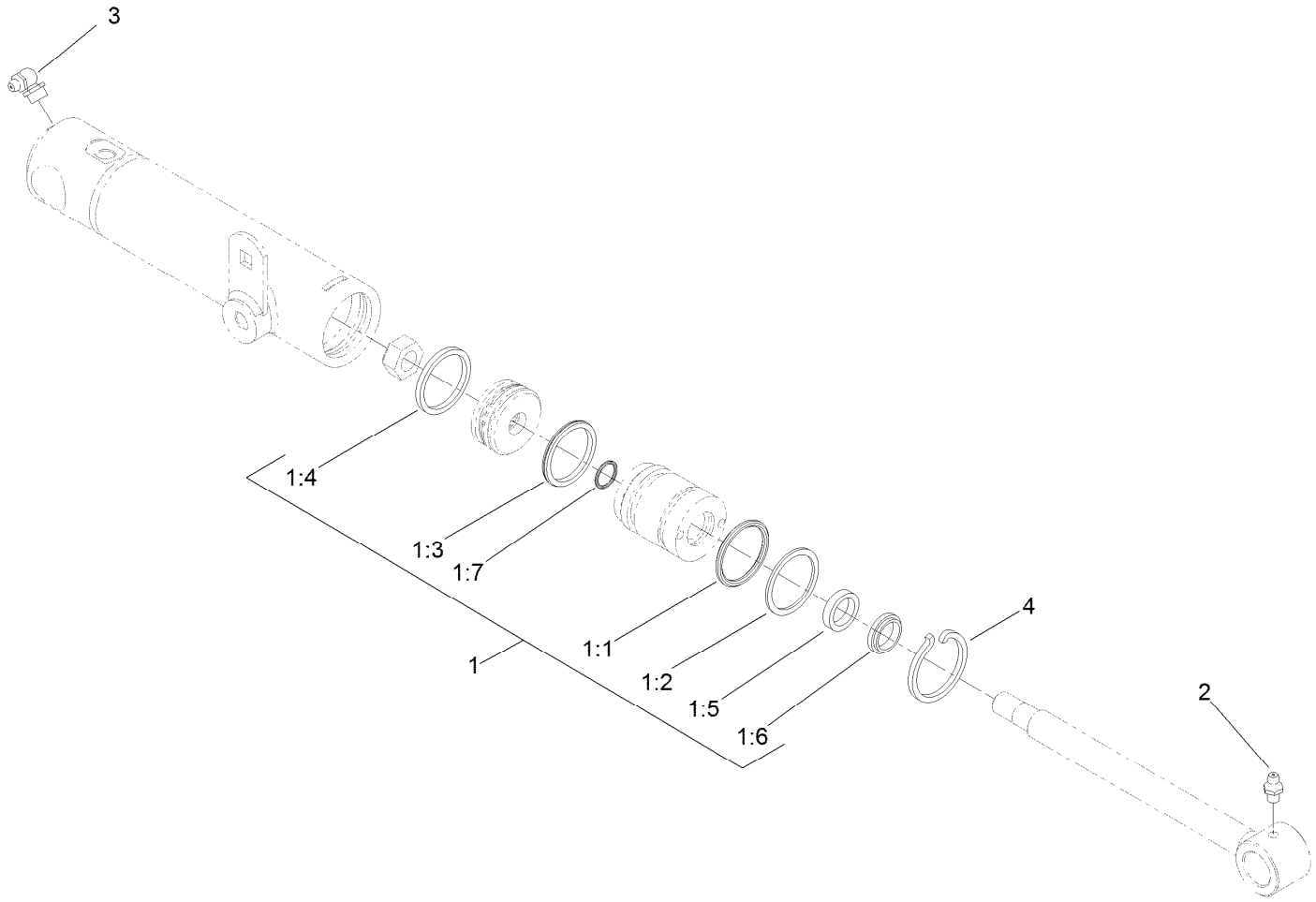
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 11:1 | 237-78 | 1 | O-Ring |
| 11:2 | 237-21 | 1 | O-Ring |
| 12 | 340-101 | 1 | Fitting-HYD, 45 DEG |
| 12:1 | 237-30 | 1 | O-Ring |
| 12:2 | 237-79 | 1 | O-Ring |
| 13 | 340-3 | 1 | Fitting-Straight |
| 13:1 | 237-22 | 1 | O-Ring |
| 13:2 | 237-79 | 1 | O-Ring |
| 14 | 59-7410 | 1 | Fitting-Diagnostic |
| 14:1 | 237-42 | 1 | O-Ring |
| 15 | 354-79 | 1 | Cap-Dust |
| 16 | 340-88 | 2 | Fitting-Straight |
| 16:1 | 237-22 | 1 | O-Ring |
| 16:2 | 237-78 | 1 | O-Ring |




# Hydraulic Cylinder Assembly No. 119-6989

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-6992 | 1 | Seal Kit |
| 1:1 | | 1 | O-Ring ● |
| 1:2 | | 1 | Backup ● |
| 1:3 | | 1 | Bp Seal ● |
| 1:4 | | 1 | Wear Ring-Ht ● |
| 1:5 | | 1 | Bs Seal ● |
| 1:6 | | 1 | Dust Seal-Dt ● |
| 1:7 | | 1 | O-Ring ● |
| 2 | 302-5 | 1 | Fitting-Grease |
| 3 | 302-33 | 1 | Fitting-Grease |
| 4 | 84-1680 | 1 | Ring-Retaining |

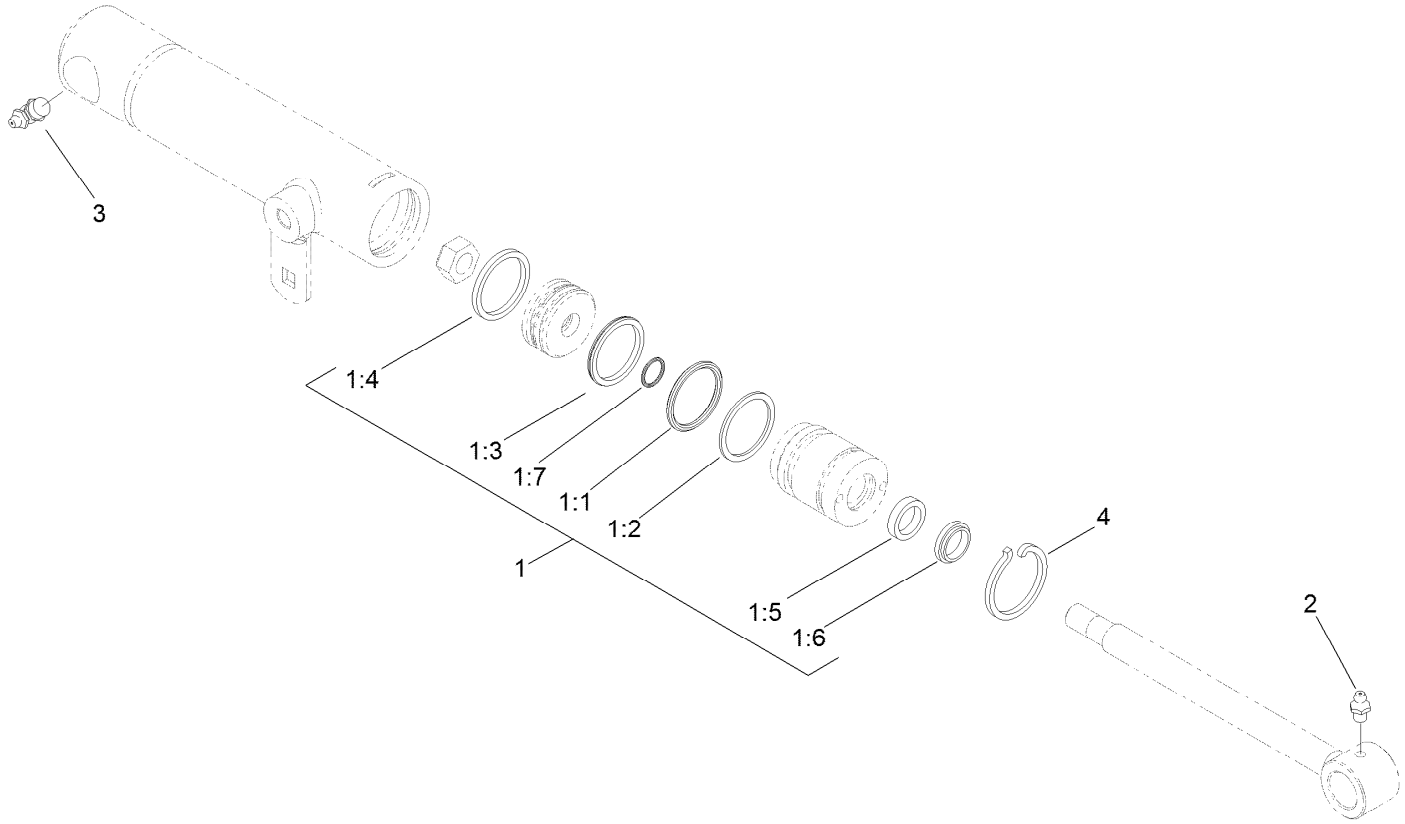
● Not serviced separately




# Hydraulic Cylinder Assembly No. 119-6990

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-6992 | 1 | Seal Kit |
| 1:1 | | 1 | O-Ring ● |
| 1:2 | | 1 | Backup ● |
| 1:3 | | 1 | Bp Seal ● |
| 1:4 | | 1 | Wear Ring-Ht ● |
| 1:5 | | 1 | Bs Seal ● |
| 1:6 | | 1 | Dust Seal-Dt ● |
| 1:7 | | 1 | O-Ring ● |
| 2 | 302-5 | 1 | Fitting-Grease |
| 3 | 302-33 | 1 | Fitting-Grease |
| 4 | 84-1680 | 1 | Ring-Retaining |

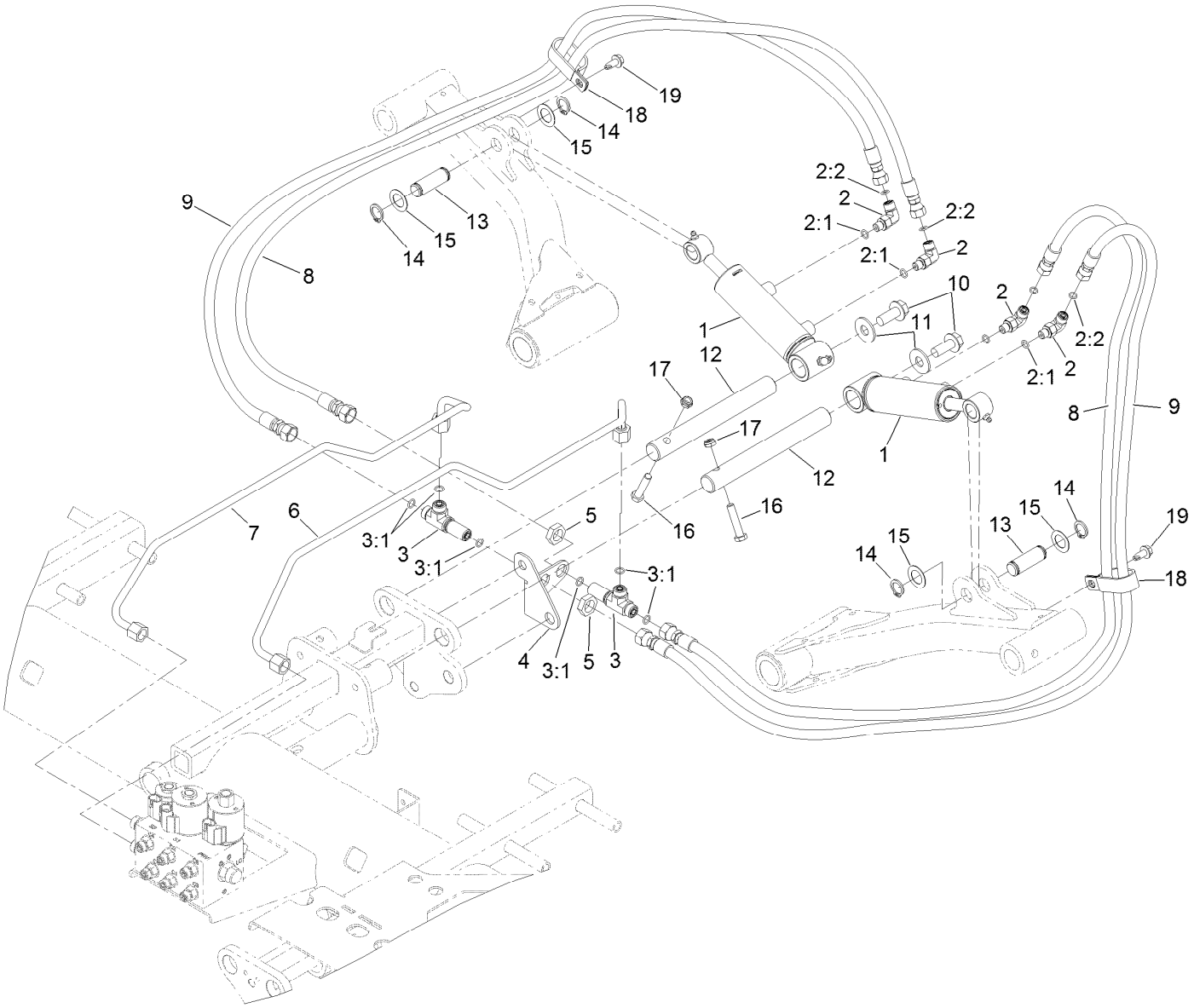
● Not serviced separately




# Hydraulic Cylinder Assembly No. 119-6991

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-6992 | 1 | Seal Kit |
| 1:1 | | 1 | O-Ring ● |
| 1:2 | | 1 | Backup ● |
| 1:3 | | 1 | Bp Seal ● |
| 1:4 | | 1 | Wear Ring-Ht ● |
| 1:5 | | 1 | Bs Seal ● |
| 1:6 | | 1 | Dust Seal-Dt ● |
| 1:7 | | 1 | O-Ring ● |
| 2 | 302-5 | 1 | Fitting-Grease |
| 3 | 302-33 | 1 | Fitting-Grease |
| 4 | 84-1680 | 1 | Ring-Retaining |

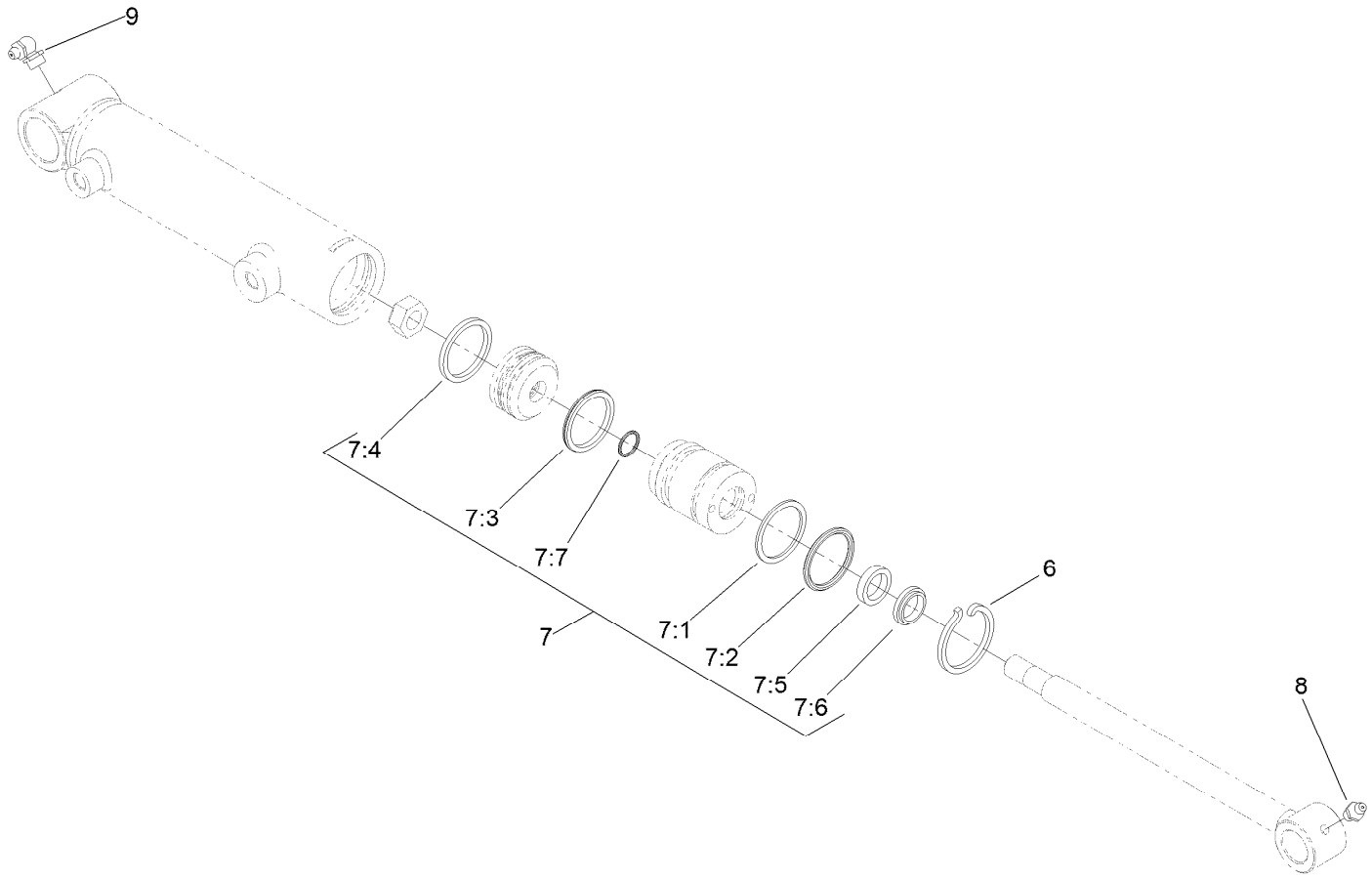
● Not serviced separately




# Deck No. 2 and 3 Lift Circuit Hydraulic Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 119-6988 | 2 | HYD Cylinder ASM |
| 2 | 340-132 | 4 | Fitting-Elbow, 90 DEG |
| 2:1 | 237-78 | 1 | O-Ring |
| 2:2 | 237-21 | 1 | O-Ring |
| 3 | 340-68 | 2 | Fitting-Tee, Bulkhead |
| 3:1 | 237-22 | 3 | O-Ring |
| 4 | 117-0179 | 1 | Bracket-Bulkhead |
| 5 | 340-70 | 2 | Nut-Lock |
| 6 | 117-0175 | 1 | Tube-HYD |
| 7 | 117-0176 | 1 | Tube-HYD |
| 8 | 105-5402 | 2 | Hose-HYD |

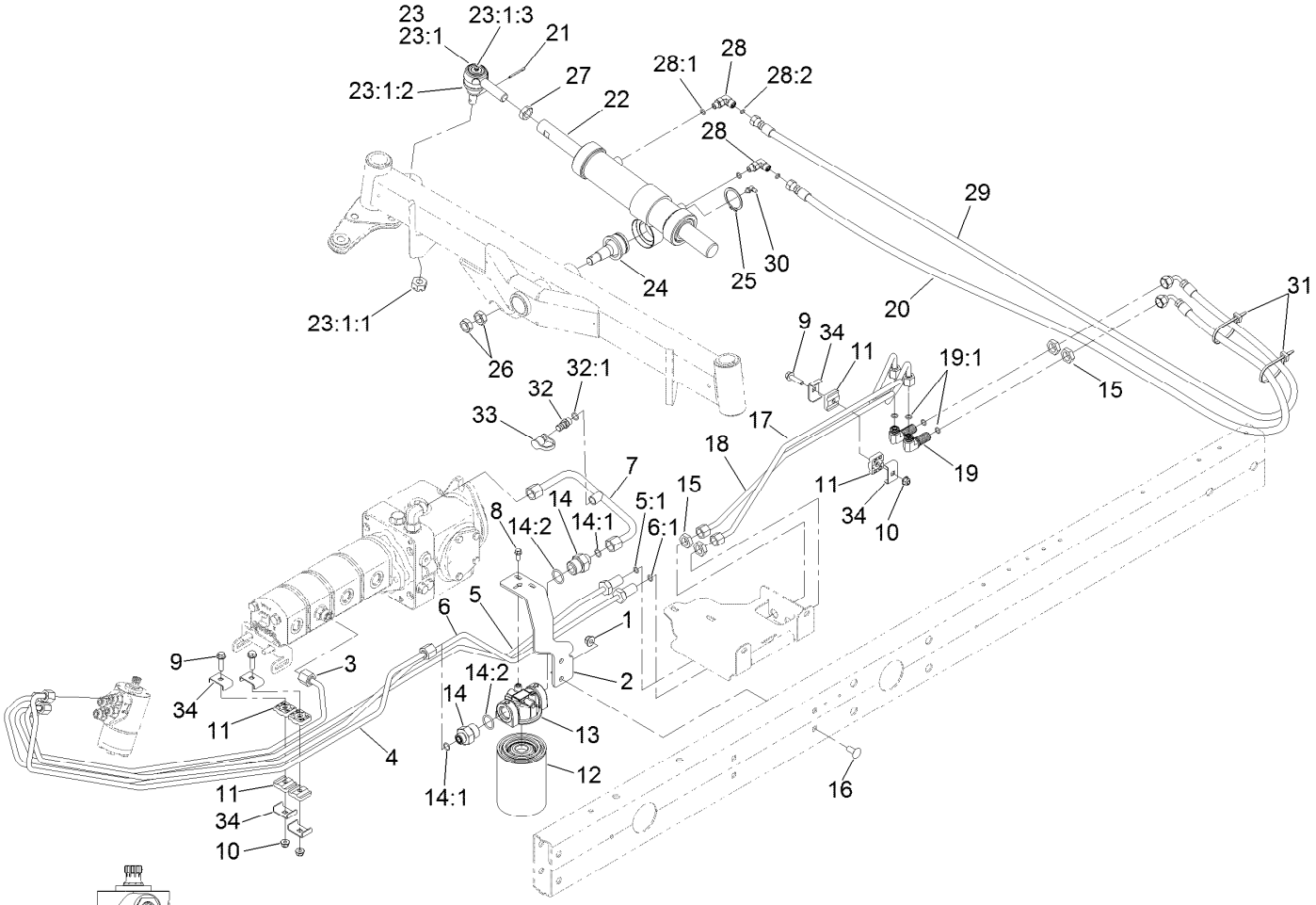
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 9 | 105-5405 | 2 | Hose-HYD |
| 10 | 3234-38 | 2 | Screw-HHF |
| 11 | 3256-6 | 2 | Washer-Flat |
| 12 | 117-0148 | 2 | Pin-Cylinder |
| 13 | 104-0046 | 2 | Pin-Slide, Cylinder |
| 14 | 32120-93 | 4 | Ring-Retaining |
| 15 | 3-6498 | 4 | Washer-Thrust |
| 16 | 323-9 | 2 | Screw-HH |
| 17 | 3296-59 | 2 | Nut-Lock, NI |
| 18 | 2412-137 | 2 | Clamp-R, Double |
| 19 | 32104-32 | 2 | Screw-HWH |

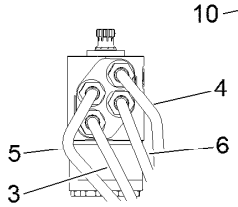



# Hydraulic Cylinder Assembly No. 119-6988

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 6 | 84-1680 | 1 | Ring-Retaining |
| 7 | 119-6992 | 1 | Seal Kit |
| 7:1 | | 1 | O-Ring ● |
| 7:2 | | 1 | Backup ● |
| 7:3 | | 1 | Bp Seal ● |
| 7:4 | | 1 | Wear Ring-Ht ● |
| 7:5 | | 1 | Bs Seal ● |
| 7:6 | | 1 | Dust Seal-Dt ● |
| 7:7 | | 1 | O-Ring ● |
| 8 | 302-5 | 1 | Fitting-Grease |
| 9 | 302-33 | 1 | Fitting-Grease |

● Not serviced separately




STEERING VALVE
TUBE CONNECTIONS

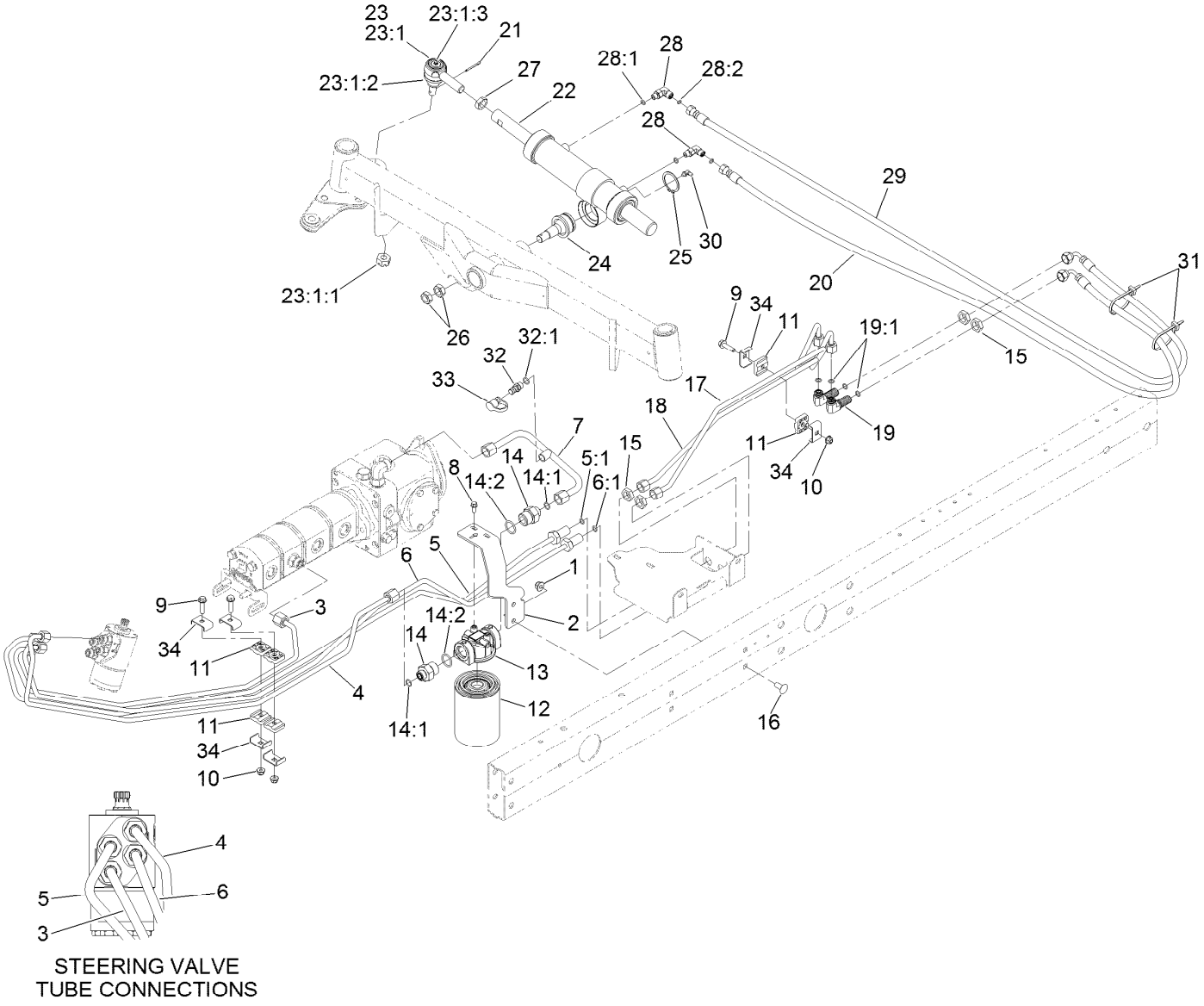
# Steering Hydraulic Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-8301 | 2 | Nut-HF, NI |
| 2 | 110-0906-01 | 1 | Support-Filter, Oil |
| 3 | 117-0167 | 1 | Tube-HYD |
| 4 | 108-1711 | 1 | Tube-HYD |
| 5 | 108-1712 | 1 | Tube ASM |
| 5:1 | 237-22 | 1 | O-Ring |
| 6 | 108-1713 | 1 | Tube ASM |
| 6:1 | 237-22 | 1 | O-Ring |
| 7 | 121-5601 | 1 | Tube-HYD |
| 8 | 3234-33 | 2 | Screw-HHF |
| 9 | 3230-5 | 3 | Bolt-CARR |
| 10 | 104-8300 | 3 | Nut-HF, NI |
| 11 | 56-7973 | 6 | Clamp-Tube |
| 12 | 86-3010 | 1 | Filter-Oil |
| 13 | 117-5820 | 1 | Head-Filter |
| 14 | 100-4240 | 2 | Fitting-STR |
| 14:1 | 237-30 | 1 | O-Ring |
| 14:2 | 237-81 | 1 | O-Ring |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 340-70 | 4 | Nut-Lock |
| 16 | 3231-27 | 2 | Screw-CARR |
| 17 | 110-9019 | 1 | Tube-HYD |
| 18 | 110-9020 | 1 | Tube-HYD |
| 19 | 340-154 | 2 | Union-Bulkhead |
| 19:1 | 237-22 | 2 | O-Ring |
| 20 | 110-0928 | 1 | Hose-HYD |
| 21 | 3272-12 | 1 | Pin-Cotter |
| 22 | 114-0403 | 1 | HYD Steering Cylinder ASM |
| 23 | 71-4740-03 | 1 | RH Tie Rod End ASM |
| 23:1 | | 1 | End-Rod, Tie (RH) ●■ |
| 23:1:1 | 105-7941 | 1 | Nut-Hex, Slotted ● |
| 23:1:2 | 105-7835 | 1 | Seal ● |
| 23:1:3 | 302-5 | 1 | Fitting-Grease |
| 24 | 106-6774 | 1 | Joint-Ball |
| 25 | 32151-104 | 1 | Ring-Retaining, External |
| 26 | 3220-6 | 2 | Nut-Jam |
| 27 | 84-5300 | 1 | Nut-Jam |

● Not illustrated

■ Not serviced separately







STEERING VALVE
TUBE CONNECTIONS

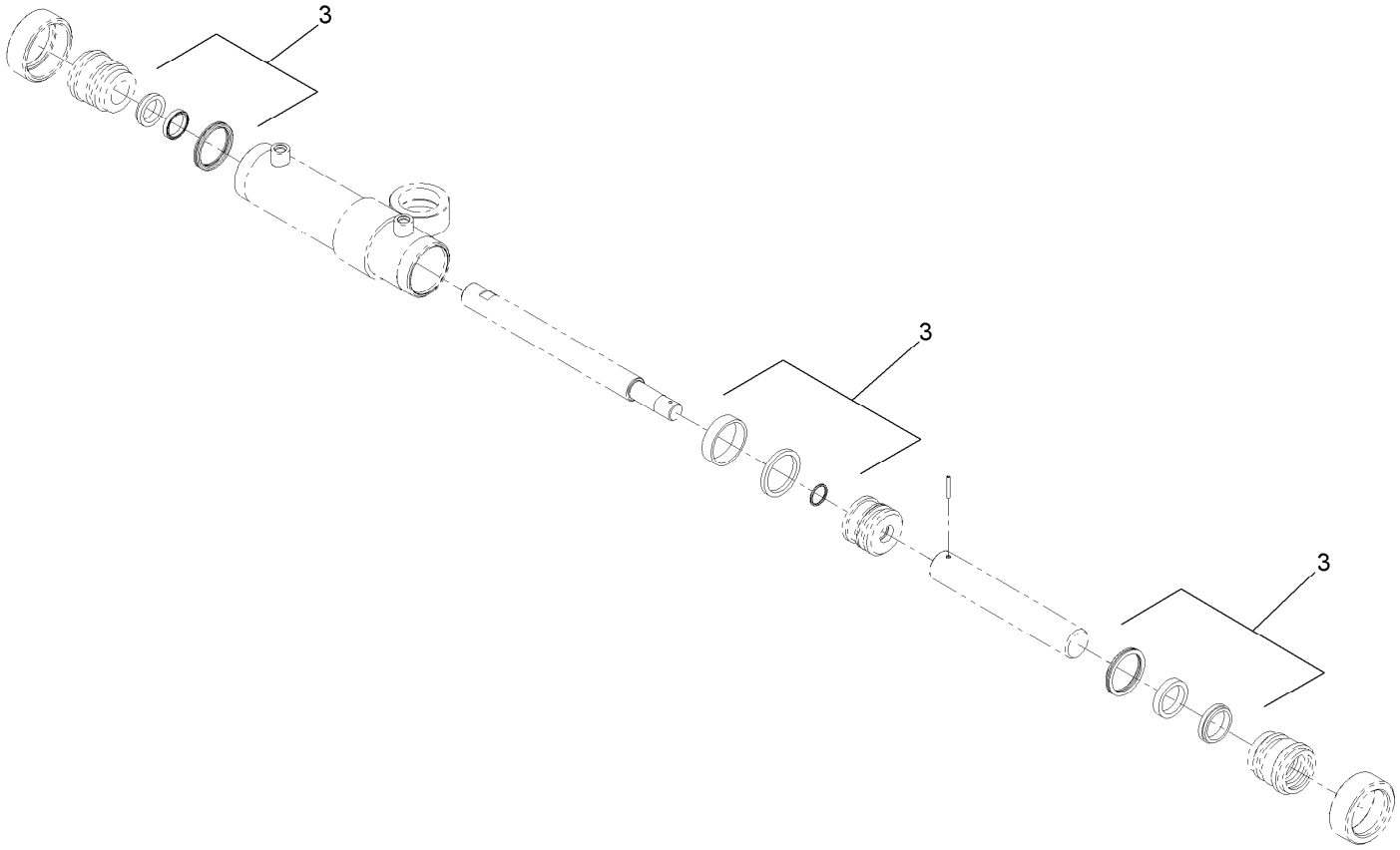
# Steering Hydraulic Assembly (continued)

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 28 | 340-132 | 2 | Fitting-Elbow, 90 DEG |
| 28:1 | 237-78 | 1 | O-Ring |
| 28:2 | 237-21 | 1 | O-Ring |
| 29 | 110-0973 | 1 | Hose-HYD |
| 30 | 302-40 | 1 | Fitting-Grease, 90 DEG |

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 31 | 3290-378 | 2 | Tie-Cable |
| 32 | 59-7410 | 1 | Fitting-Diagnostic |
| 32:1 | 237-42 | 1 | O-Ring |
| 33 | 354-79 | 1 | Cap-Dust |
| 34 | 119-1418 | 4 | Plate-Clamp, Short |

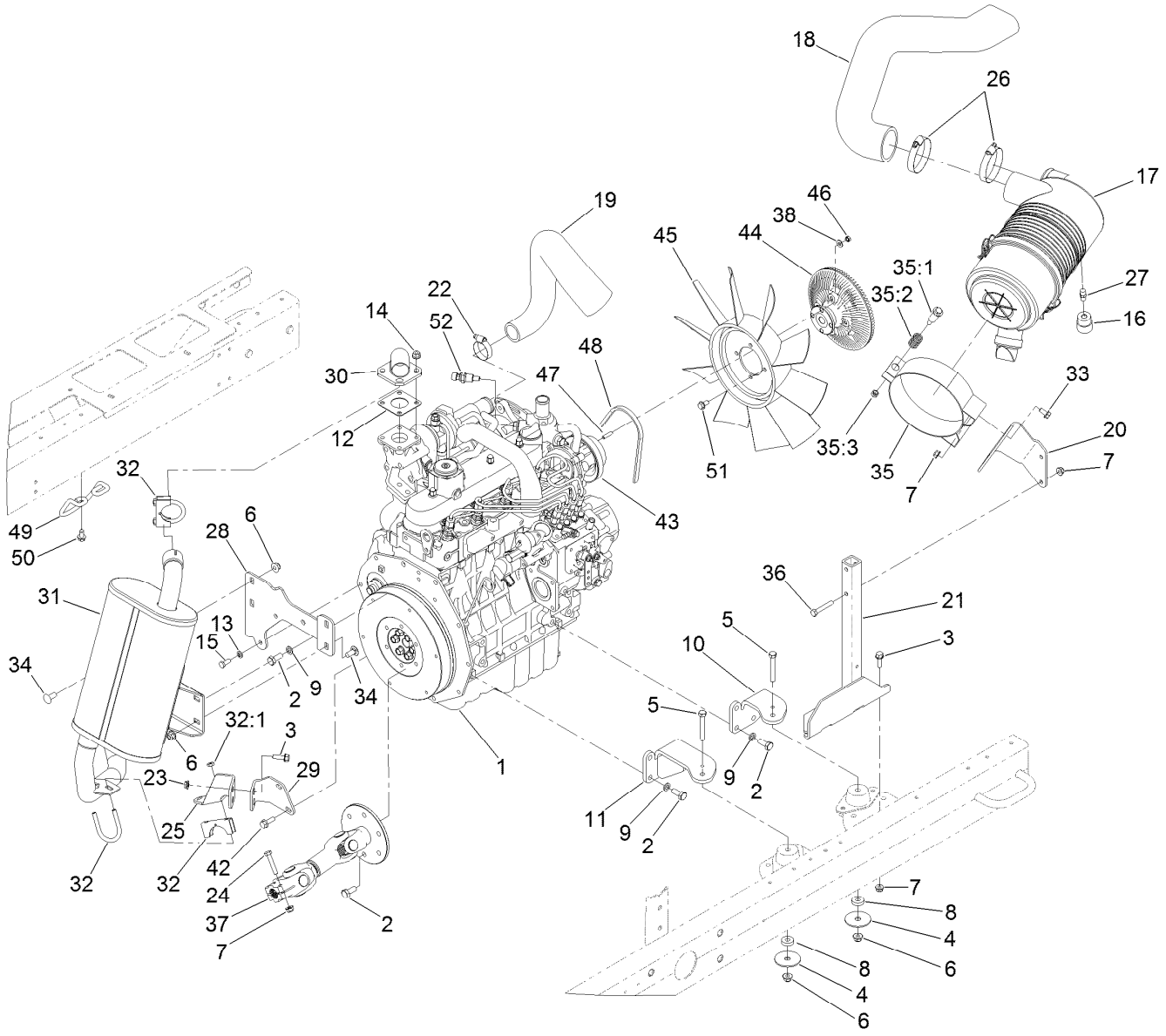
● Not illustrated

■ Not serviced separately




# Hydraulic Cylinder Assembly No. 114-0403

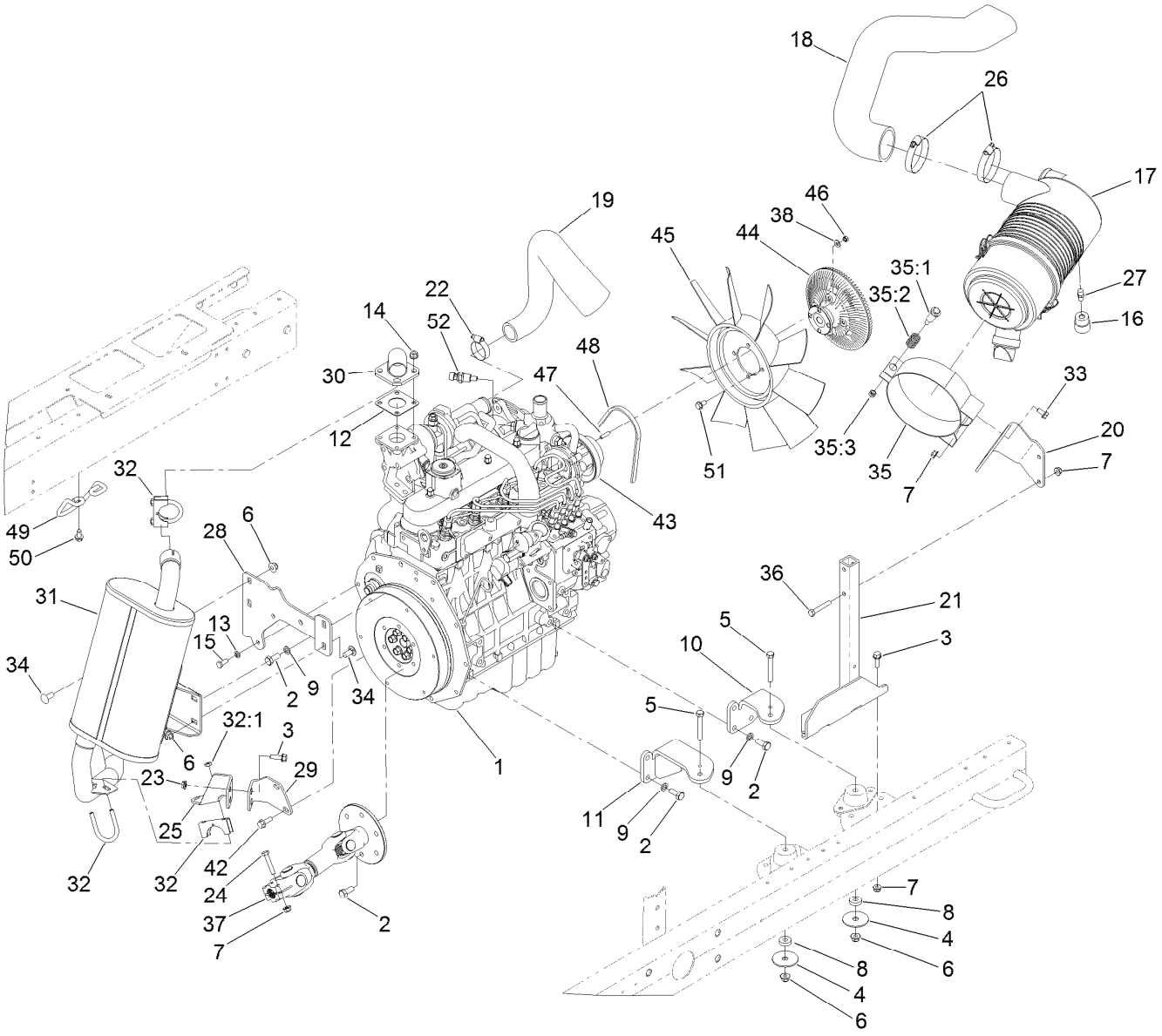
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 3 | 114-0404 | 1 | Cylinder Repair Kit |




# Engine, Muffler and Air Cleaner Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 125-2169 | 1 | Engine-Kubota, V1505T |
| 2 | 43-0090 | 19 | Screw-HH |
| 3 | 3234-29 | 5 | Screw-HHF |
| 4 | 87-5100 | 4 | Washer-Snubbing |
| 5 | 323-12 | 4 | Screw-HH |
| 6 | 104-8301 | 8 | Nut-HF, NI |
| 7 | 104-8300 | 9 | Nut-HF, NI |
| 8 | 62-6660 | 4 | Spacer |
| 9 | 48-9590 | 13 | Washer-Lock |
| 10 | 115-8066-03 | 2 | Mount-Engine |
| 11 | 120-3812-03 | 2 | Mount-Engine |
| 12 | 99-8343 | 1 | Gasket-Muffler |
| 13 | 3253-4 | 2 | Washer-Lock |
| 14 | 104-2612 | 4 | Nut-HF |
| 15 | 33114-020 | 2 | Screw-HH |
| 16 | 93-9164 | 1 | Indicator-Mini |
| 17 | 110-8917 | 1 | Air Cleaner ASM |
| 18 | 110-8944 | 1 | Hose-Formed |
| 19 | 117-8061 | 1 | Hose-Turbo |
| 20 | 110-8981-03 | 1 | Bracket-Mounting |
| 21 | 121-5611-03 | 1 | Stand-Air Cleaner |

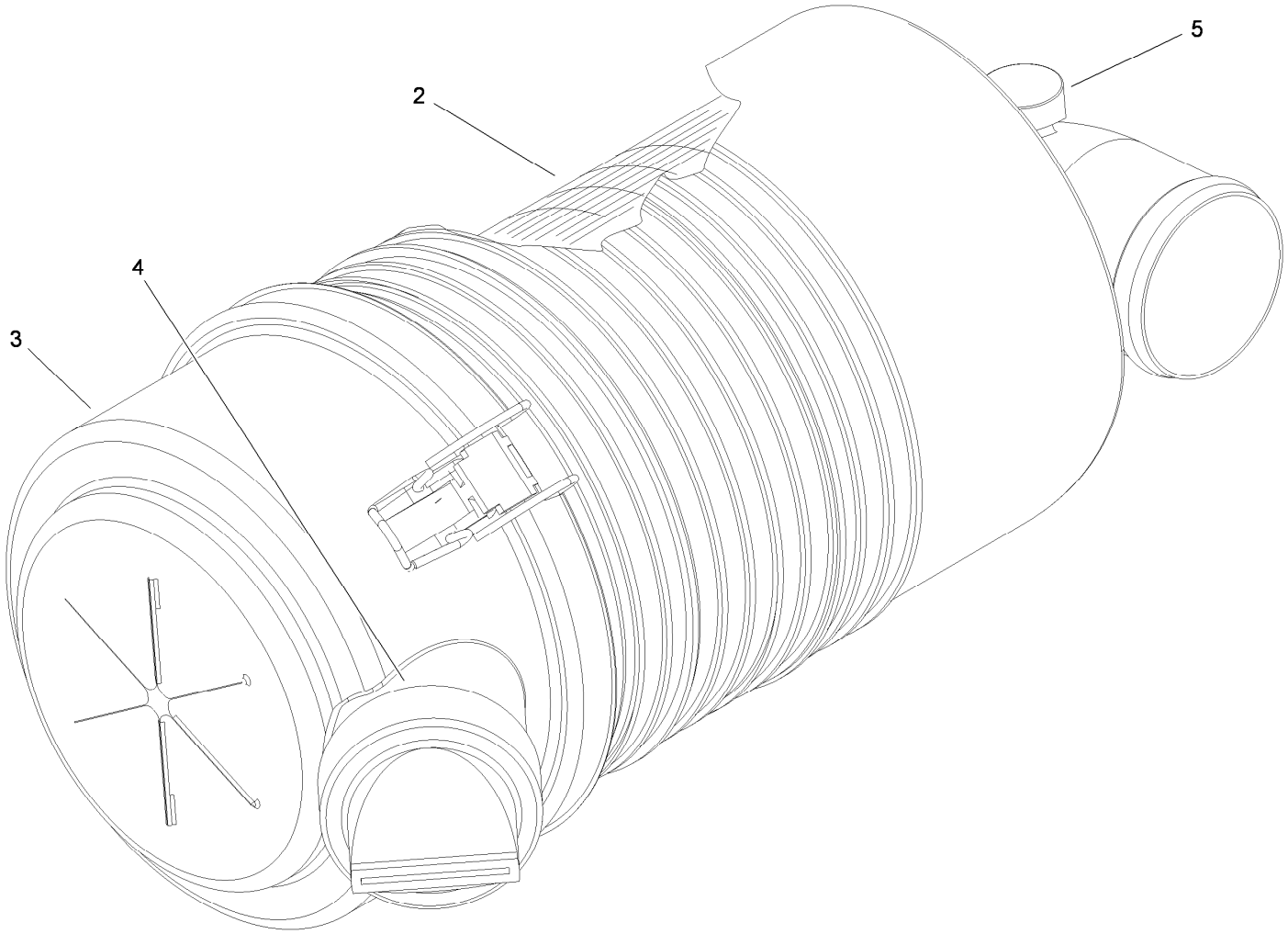
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 22 | 2412-3 | 1 | Clamp-Hose |
| 23 | 32128-20 | 2 | Nut-HF |
| 24 | 322-9 | 2 | Screw-HH |
| 25 | 117-0286 | 1 | Bracket-Tailpipe |
| 26 | 2412-125 | 3 | Clamp-Hose |
| 27 | 94-1416 | 1 | Adapter-Indicator |
| 28 | 108-1785-03 | 1 | Bracket-Support, Muffler |
| 29 | 117-0288 | 1 | Bracket-Tailpipe |
| 30 | 108-1783 | 1 | Header ASM |
| 31 | 108-7643 | 1 | Muffler |
| 32 | 2112-9 | 2 | Clamp |
| 32:1 | 32128-20 | 2 | Nut-HF |
| 33 | 3234-14 | 2 | Screw-HHF |
| 34 | 3231-27 | 4 | Screw-CARR |
| 35 | 93-7486 | 1 | Clamp ASM |
| 35:1 | 94-3653 | 1 | Bolt |
| 35:2 | 94-3654 | 1 | Spring |
| 35:3 | 48-9510 | 1 | Nut |
| 36 | 322-10 | 2 | Screw-HH |
| 37 | 108-1641 | 1 | Driveshaft ASM |
| 38 | 3256-22 | 4 | Washer-Flat |




# Engine, Muffler and Air Cleaner Assembly (continued)

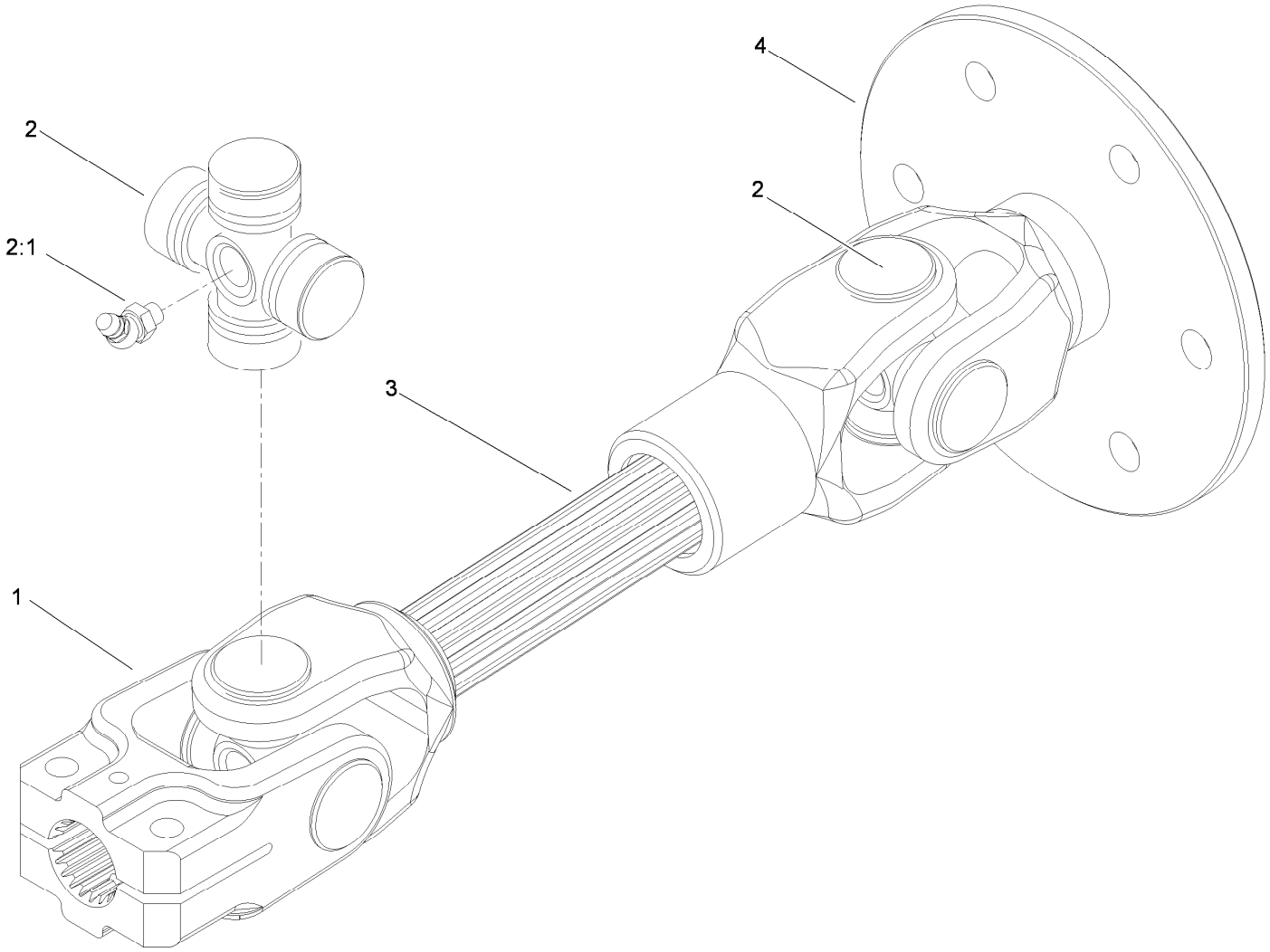
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 42 | 33104-025 | 2 | Screw-HHF |
| 43 | 110-0972 | 1 | Pulley |
| 44 | 117-8972 | 1 | Fan Clutch ASM |
| 45 | 74-3650 | 1 | Fan |
| 46 | 98-5845 | 4 | Nut-Hex |
| 47 | 104-5222 | 4 | Stud |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 48 | 98-9676 | 1 | V-Belt |
| 49 | 127-2612 | 1 | Guard-Pipe, Tail |
| 50 | 32104-32 | 2 | Screw-HWH |
| 51 | 3234-7 | 4 | Screw-HHF |
| 52 | 119-4478 | 1 | Sender-Temperature |



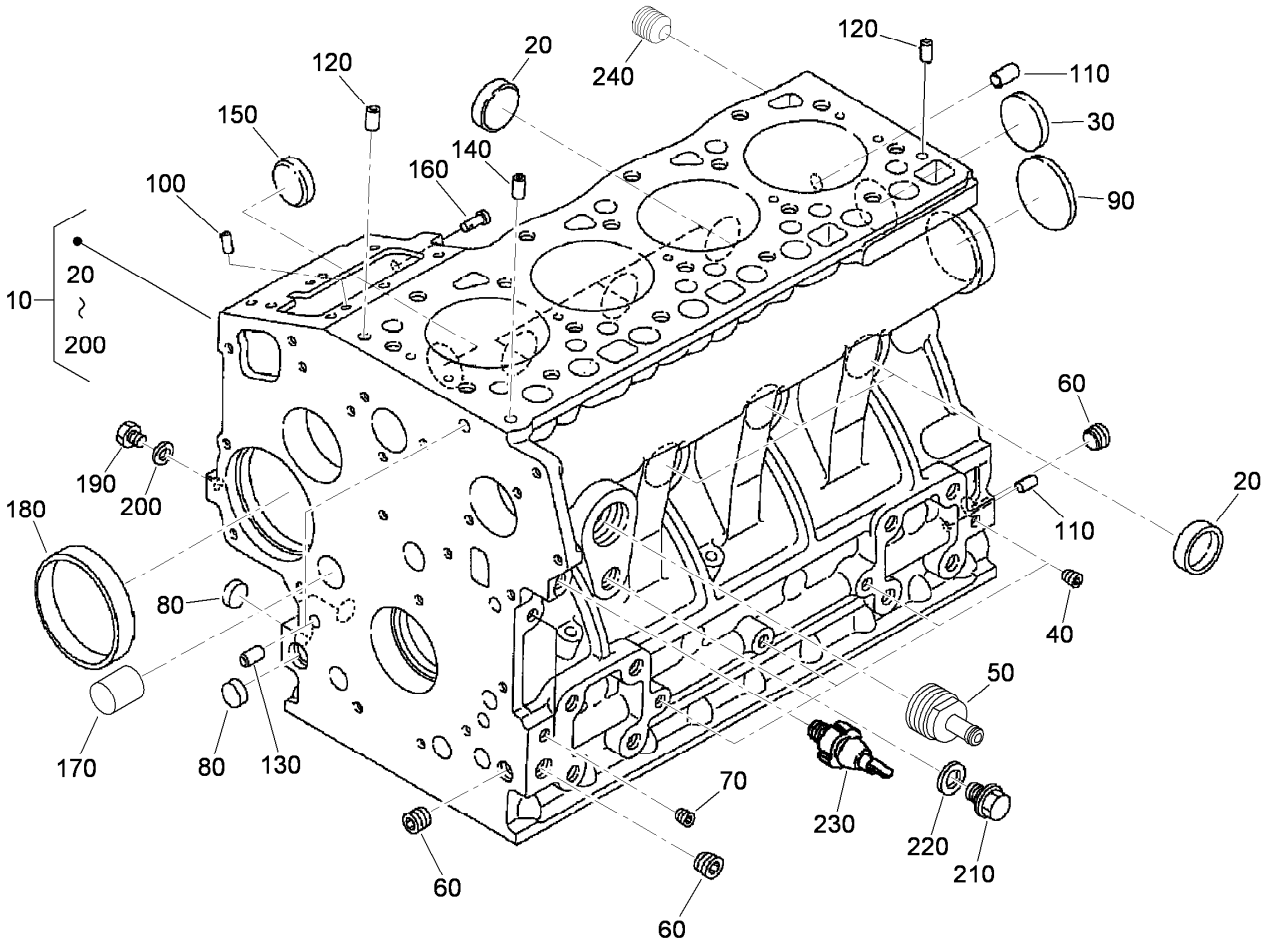

# Air Cleaner Assembly No. 110-8917

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 108-3812 | 1 | Filter-Air |
| 3 | 93-5986 | 1 | Cover ASM |
| 4 | 87-9400 | 1 | Valve-Vacuator |
| 5 | 285-17 | 1 | Plug-Pipe |



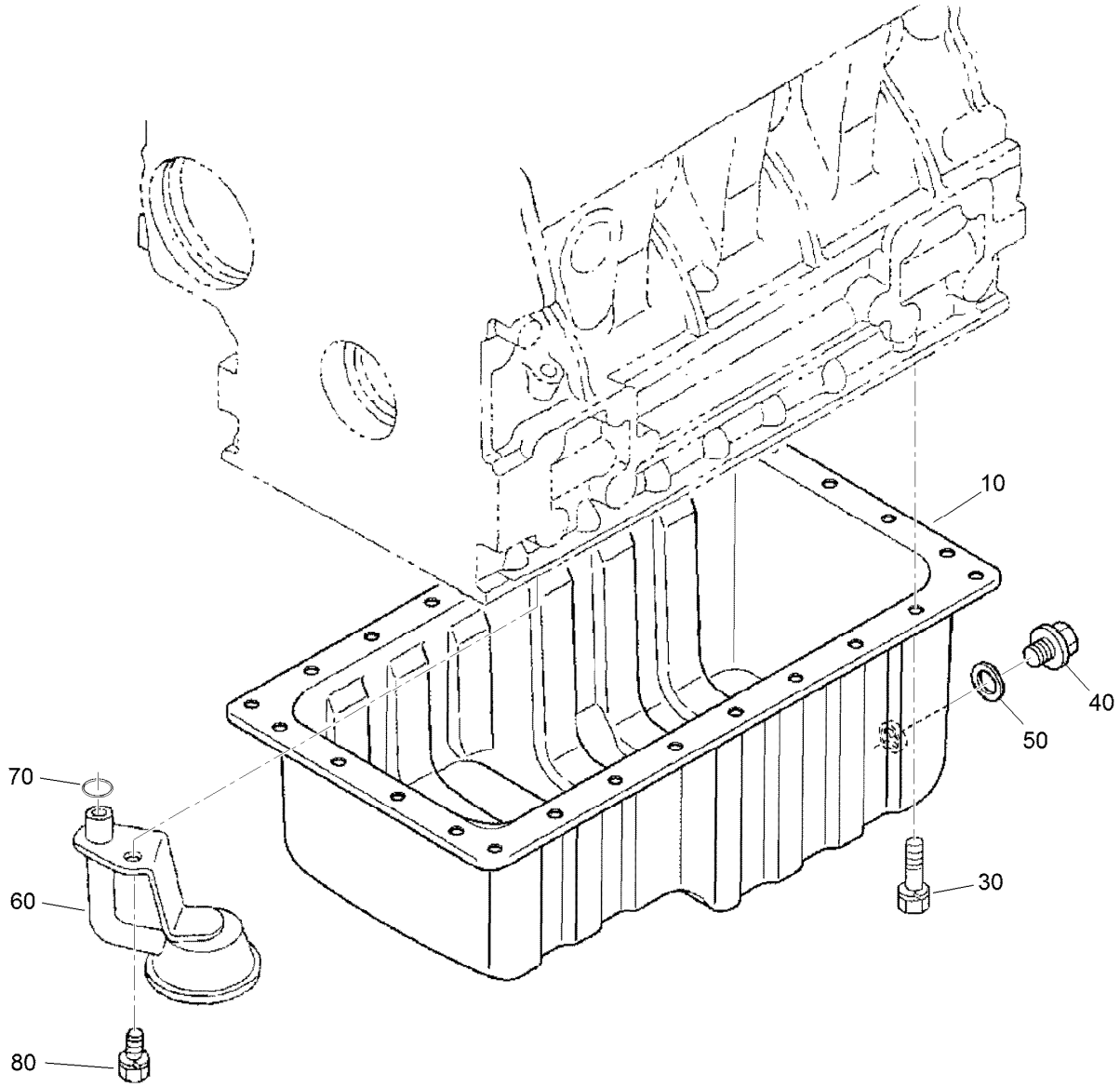

# Driveshaft Assembly No. 108-1641

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 54-9040 | 1 | Yoke-End |
| 2 | 54-9180 | 2 | U-Joint Kit |
| 2:1 | 62-3820 | 1 | Fitting-Grease |
| 3 | 108-4574 | 1 | Joint And Shaft ASM |
| 4 | 108-4575 | 1 | Joint And Yoke ASM |



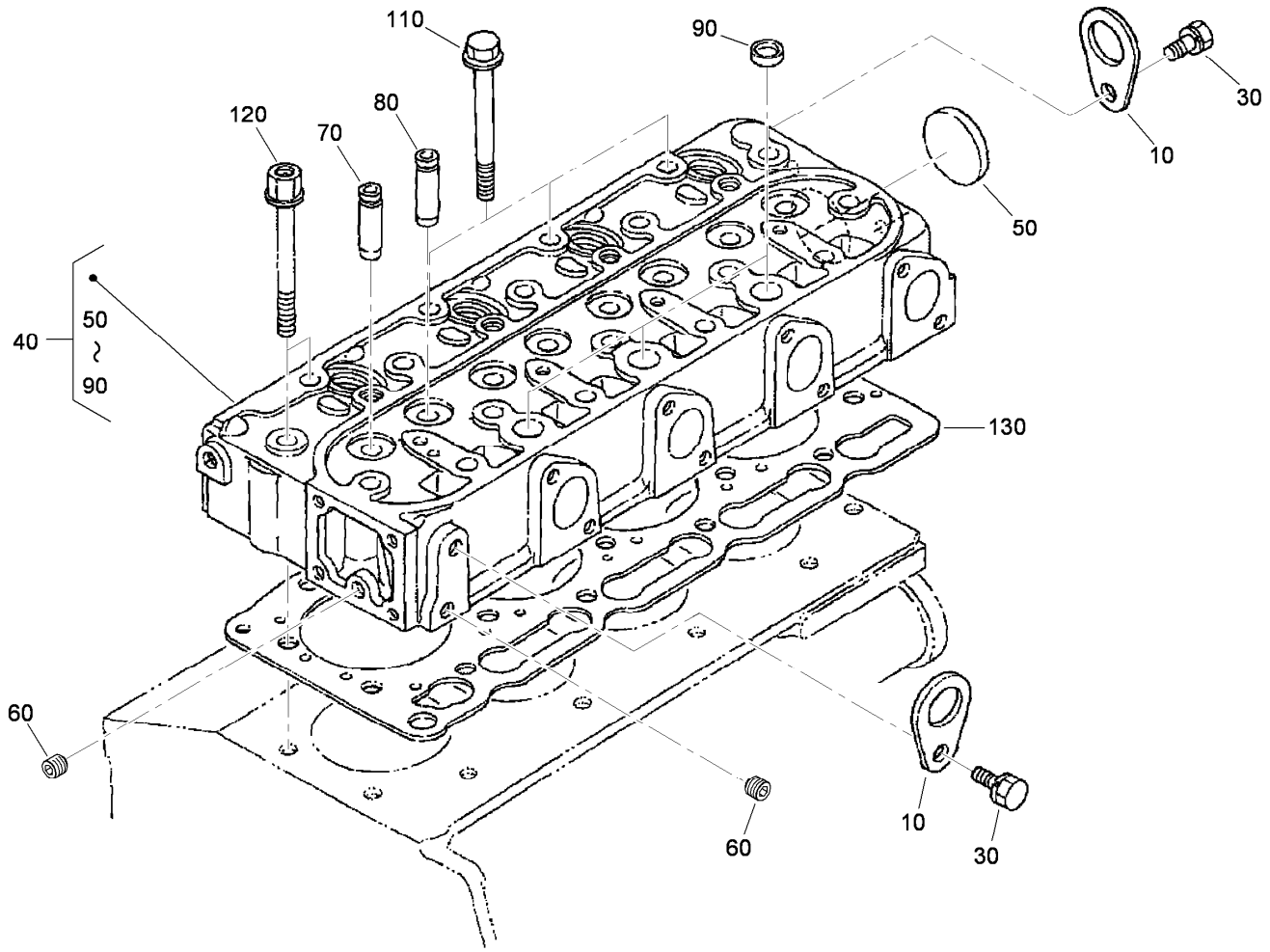

# Crankcase Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 115-4115 | 1 | Crankcase ASM |
| 20 | 98-9398 | 6 | Cap-Sealing |
| 30 | 98-7539 | 1 | Cap-Sealing |
| 40 | 98-7540 | 4 | Plug |
| 50 | 99-8347 | 1 | Joint-Pipe, Drain |
| 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 | 1 | Pin-Straight |
| 110 | 98-9377 | 1 | 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 |
| 210 | 99-3447 | 1 | Plug |
| 220 | 106-7056 | 1 | Gasket |
| 230 | 98-9416 | 1 | Switch-Oil |
| 240 | 98-9444 | 1 | Plug |



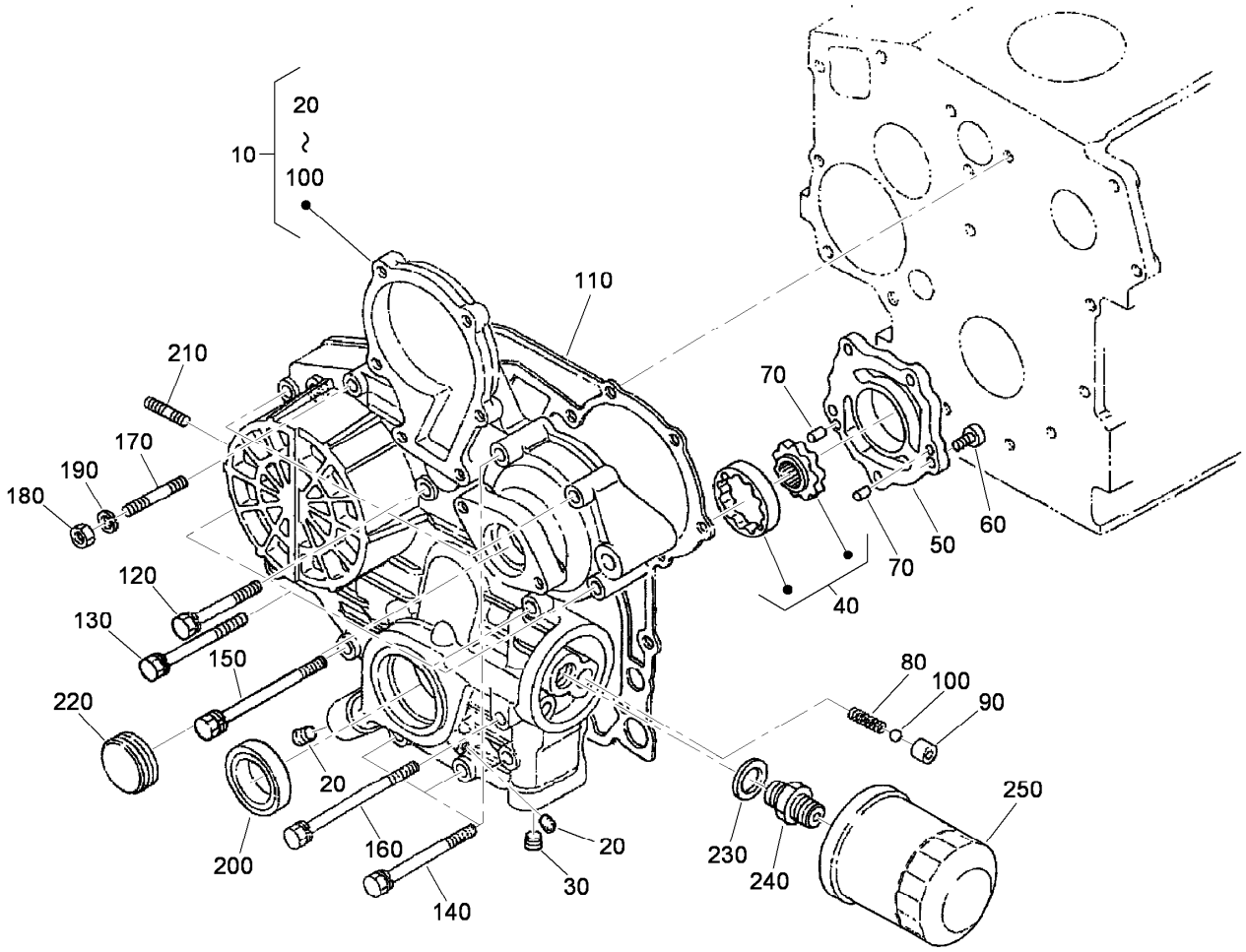

# Oil Pan Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 112-0186 | 1 | Oil Pan ASM |
| 30 | 98-9351 | 26 | Bolt |
| 40 | 114-8151 | 1 | Plug-Drain |
| 50 | 98-7524 | 1 | Gasket |
| 60 | 112-7003 | 1 | Head-Filter, Oil |
| 70 | 105-3776 | 1 | O-Ring |
| 80 | 98-7526 | 1 | Bolt |




# Cylinder Head Assembly

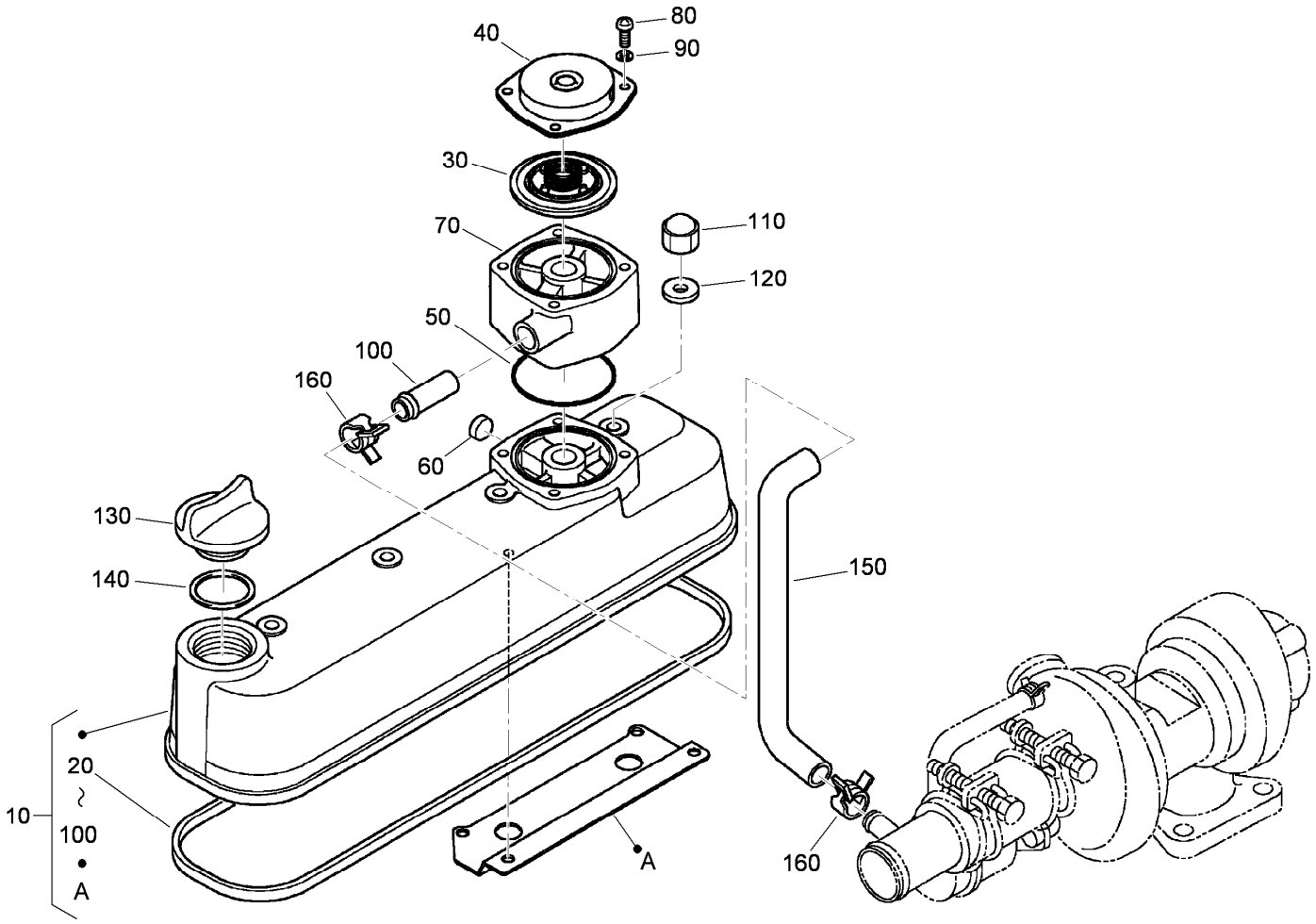
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-7531 | 2 | Hook-Engine |
| 30 | 100-9195 | 2 | Bolt |
| 40 | 108-2854 | 1 | Cylinder Head ASM |
| 50 | 105-3705 | 1 | Cap-Sealing |
| 60 | 98-7540 | 2 | Plug |
| 70 | 107-9066 | 4 | Guide-Valve, Inlet |
| 80 | 107-9067 | 4 | Guide-Valve, Exhaust |
| 90 | 98-9389 | 3 | Cap-Sealing |
| 110 | 98-9479 | 16 | Bolt-Head, Cylinder |
| 120 | 98-9647 | 2 | Bolt-Head, Cylinder |
| 130 | 108-2855 | 1 | Gasket-Head, Cylinder |




# Gear Case Assembly

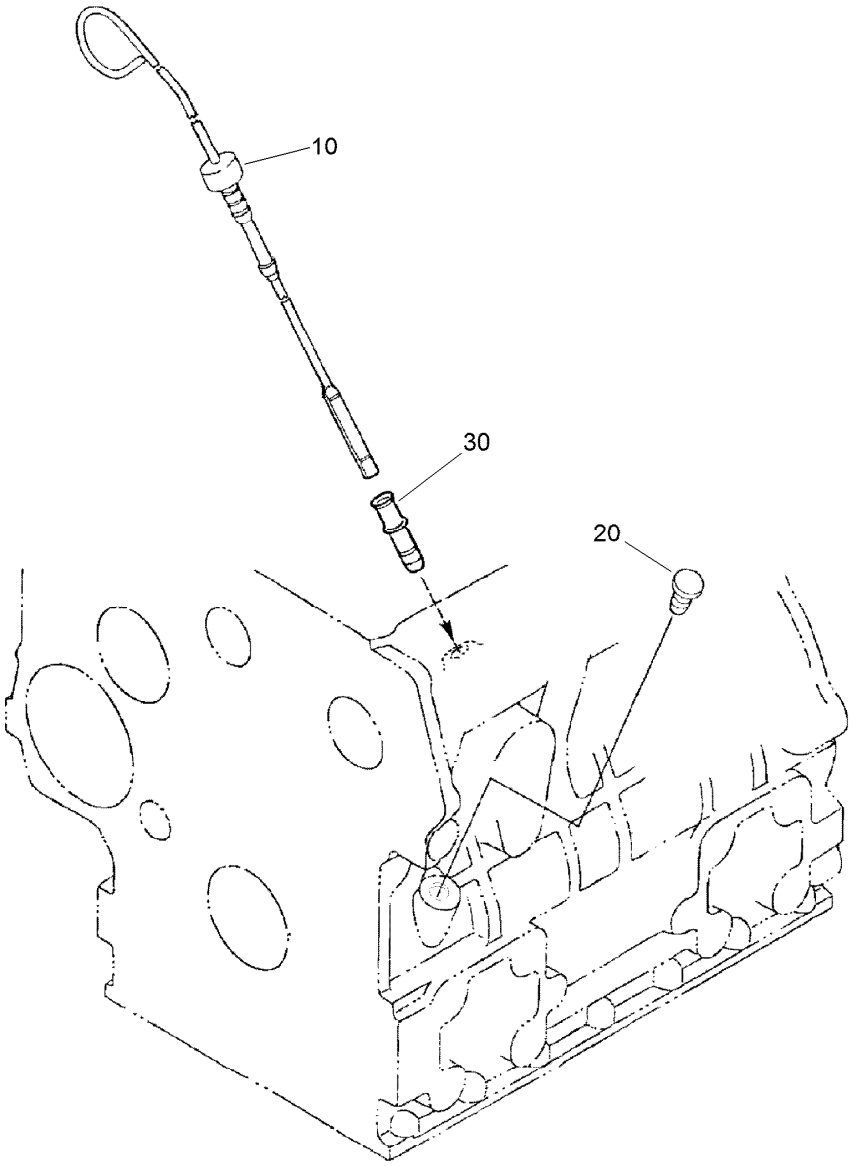
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 115-4111 | 1 | Gear Case ASM |
| 20 | 98-9598 | 5 | Plug |
| 30 | 98-7487 | 1 | Plug |
| 40 | 98-9540 | 1 | Oil Pump Rotor ASM |
| 50 | 107-9069 | 1 | Cover-Pump, Oil |
| 60 | 107-9071 | 1 | Screw |
| 70 | 107-9072 | 1 | Pin-Straight |
| 80 | 98-9544 | 1 | Spring |
| 90 | 98-9543 | 1 | Seat-Valve |
| 100 | 98-9380 | 1 | Ball |
| 110 | 98-9633 | 1 | Gasket-Case, Gear |
| 120 | 98-7496 | 3 | Bolt |
| 130 | 105-3797 | 4 | Bolt |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 140 | 98-9356 | 2 | 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 | 98-9727 | 1 | Collar |
| 240 | 104-5159 | 1 | Holder ASM |
| 250 | 108-3841 | 1 | Filter-Oil |



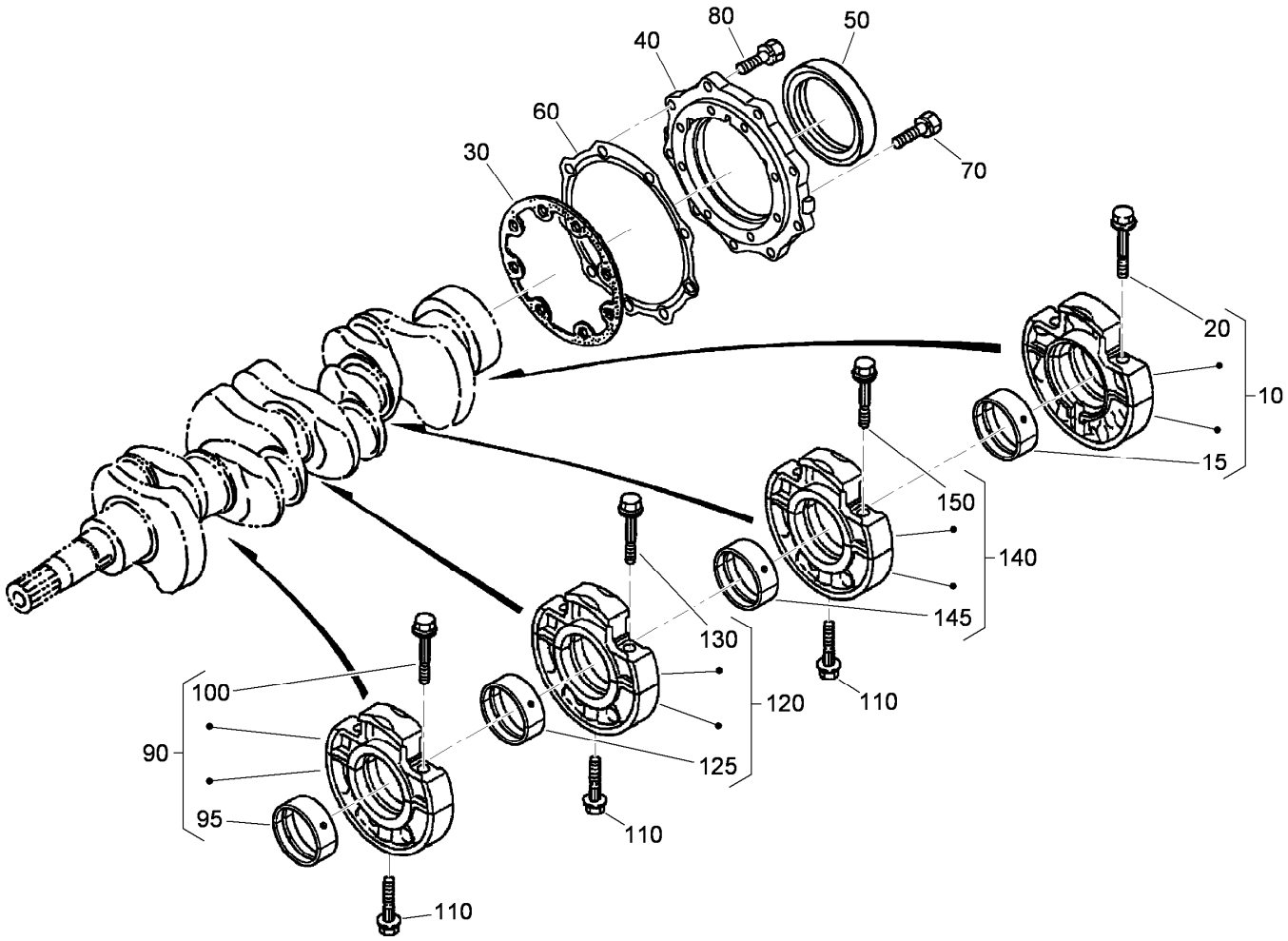

# Cylinder Head Cover Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 115-3041 | 1 | Cylinder Head Cover ASM |
| 20 | 105-3712 | 1 | Gasket-Cover, Head |
| 30 | 110-3715 | 1 | Valve-Breather |
| 40 | 110-3714 | 1 | Cover-Breather |
| 50 | 110-3846 | 1 | O Ring-Breather |
| 60 | 115-3042 | 1 | Cap-Sealing |
| 70 | 115-3043 | 1 | Spacer-Breather |
| 80 | 115-3044 | 4 | Screw-Pan Head |
| 90 | 100-2204 | 4 | Washer-Spring |
| 100 | 98-7766 | 1 | Pipe-Return, Water |
| 110 | 98-9455 | 4 | Nut-Cap |
| 120 | 98-9454 | 4 | Gasket |
| 130 | 107-9075 | 1 | Plug-Filler, Oil |
| 140 | 99-3446 | 1 | O-Ring |
| 150 | 115-4119 | 1 | Tube-Breather, Turbo |
| 160 | 108-2859 | 2 | Clamp-Hose |



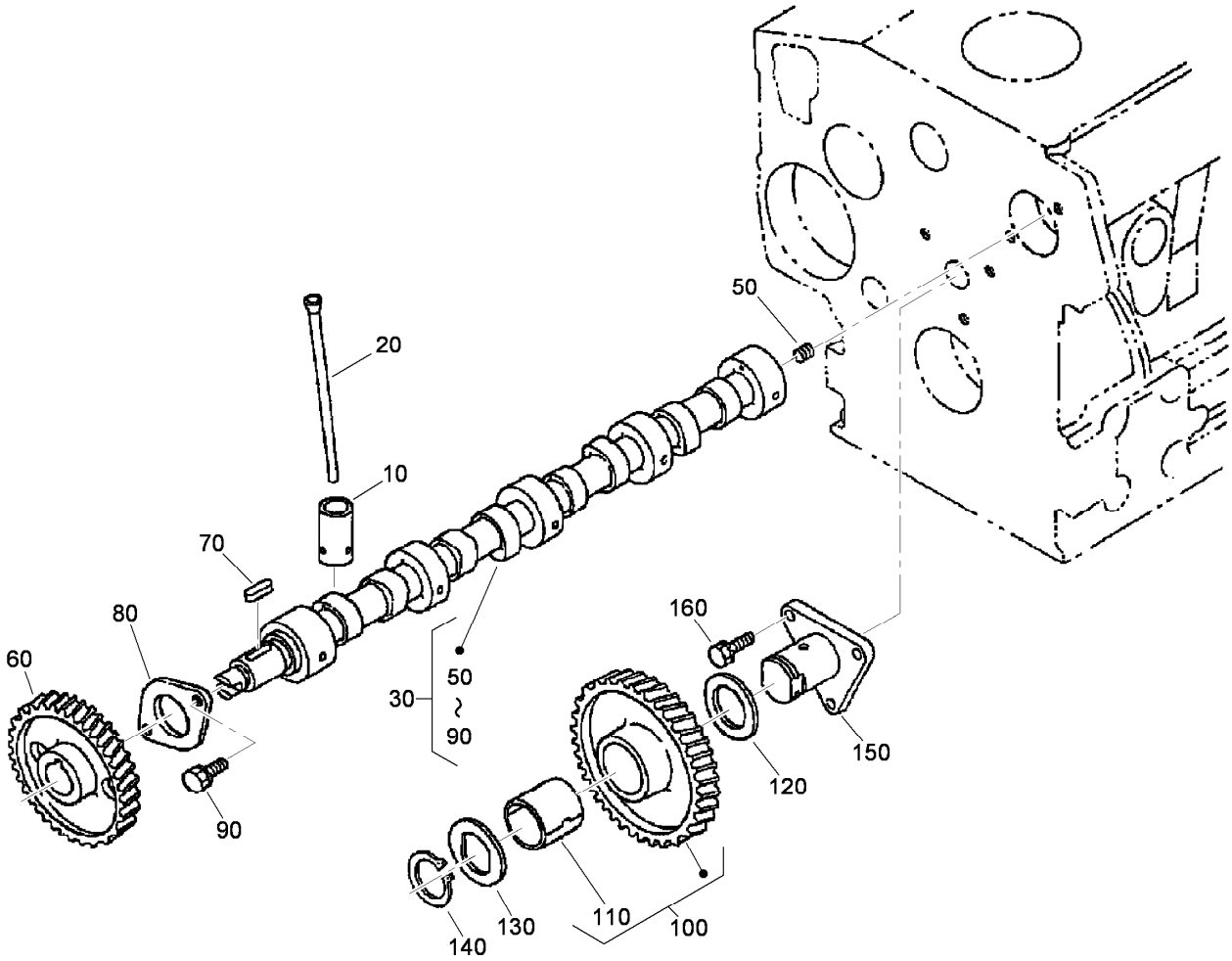

# Dipstick and Guide Assembly

| *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 |



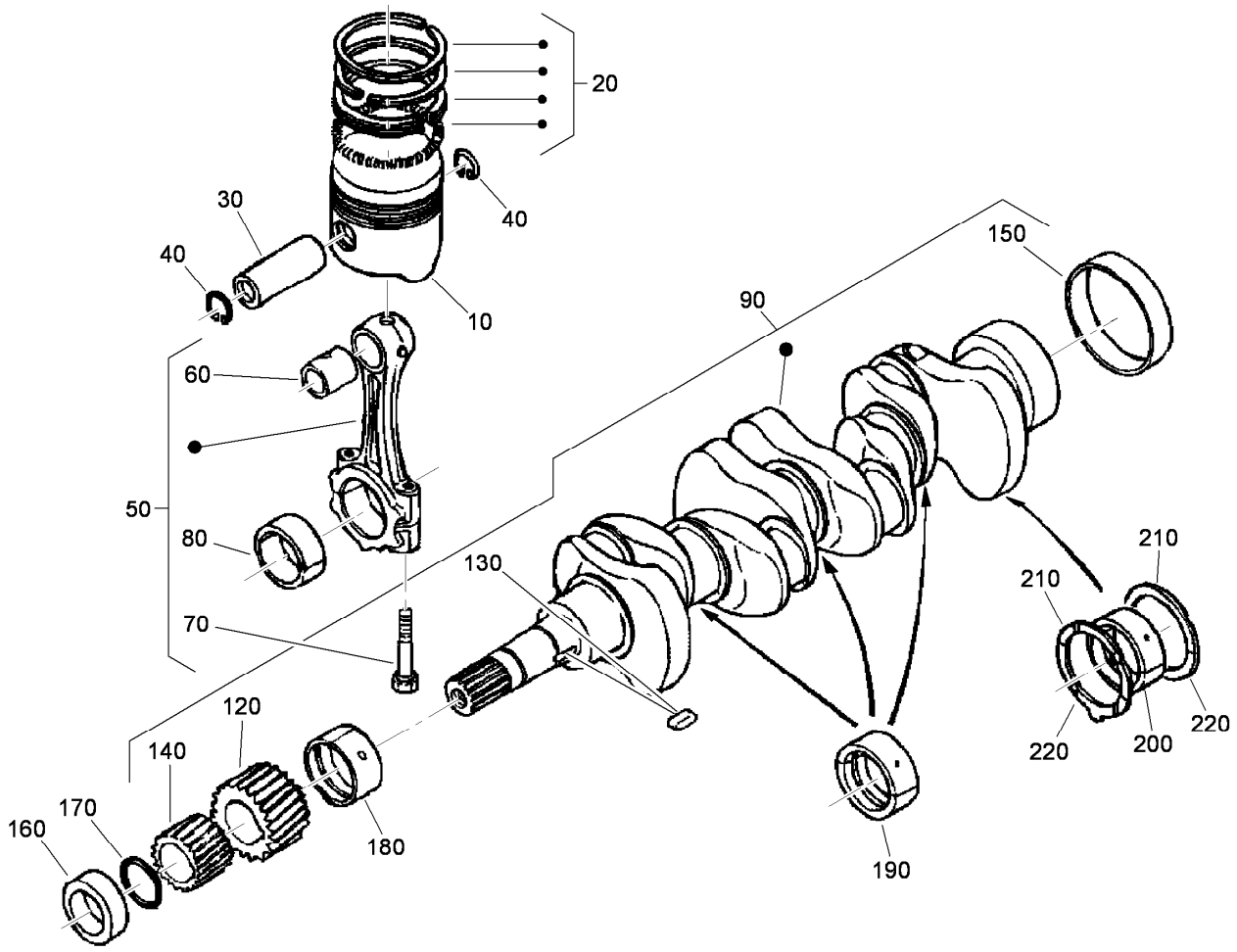

# Main Bearing Case Assembly

| *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 | 112-7028 | 1 | Bearing ASM |
| 95 | 112-7011 | 1 | Bearing-Main (STD) |
| 100 | 98-9484 | 2 | Bolt-Case, Bearing |
| 110 | 98-9485 | 3 | Bolt-Case, Bearing |
| 120 | 112-7027 | 1 | Bearing ASM |
| 125 | 112-7011 | 1 | Bearing-Main (STD) |
| 130 | 98-9484 | 2 | Bolt-Case, Bearing |
| 140 | 115-4120 | 1 | Bearing Case ASM |
| 145 | 112-7011 | 1 | Bearing-Main (STD) |
| 150 | 98-9484 | 2 | Bolt-Case, Bearing |




# Cam Shaft and Idle Gear Shaft Assembly

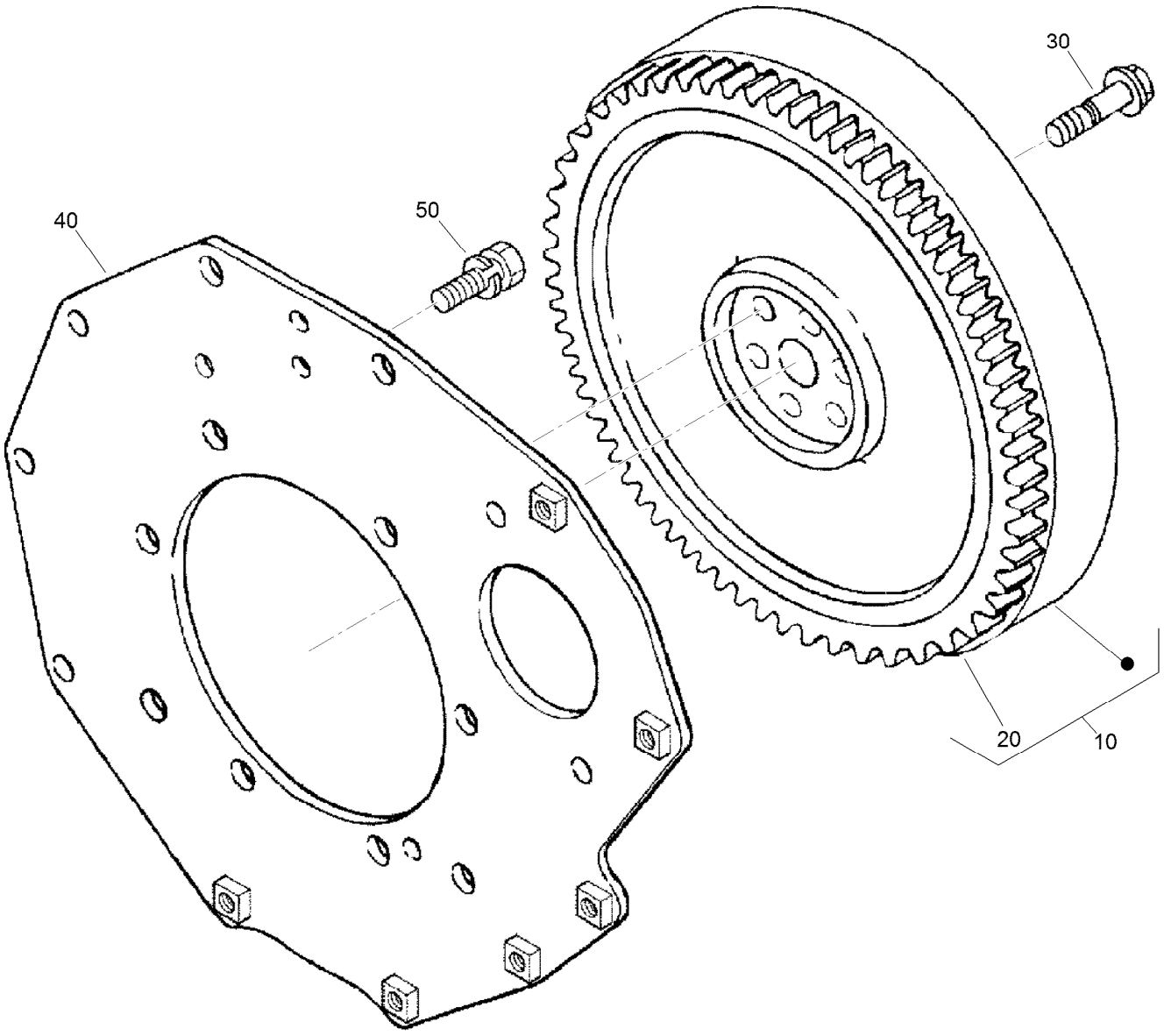
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 112-0185 | 8 | Tappet |
| 20 | 98-9509 | 8 | Rod-Push |
| 30 | 112-8402 | 1 | Camshaft ASM |
| 50 | 98-7449 | 1 | Screw-Set |
| 60 | 98-9512 | 1 | Gear-Cam |
| 70 | 98-9378 | 1 | Key-Feather |
| 80 | 98-9510 | 1 | Stopper-Camshaft |
| 90 | 98-7692 | 2 | Bolt |
| 100 | 98-9649 | 1 | Idle Gear ASM |
| 110 | 98-9650 | 1 | Bushing-Gear, Idle |
| 120 | 98-9535 | 1 | Collar-Gear, Idle |
| 130 | 98-9536 | 1 | Collar-Gear, Idle |
| 140 | 98-9534 | 1 | Circlip-Gear, Idle |
| 150 | 98-9533 | 1 | Shaft-Gear, Idle |
| 160 | 98-7692 | 3 | Bolt |




# Piston and Crankshaft Assembly

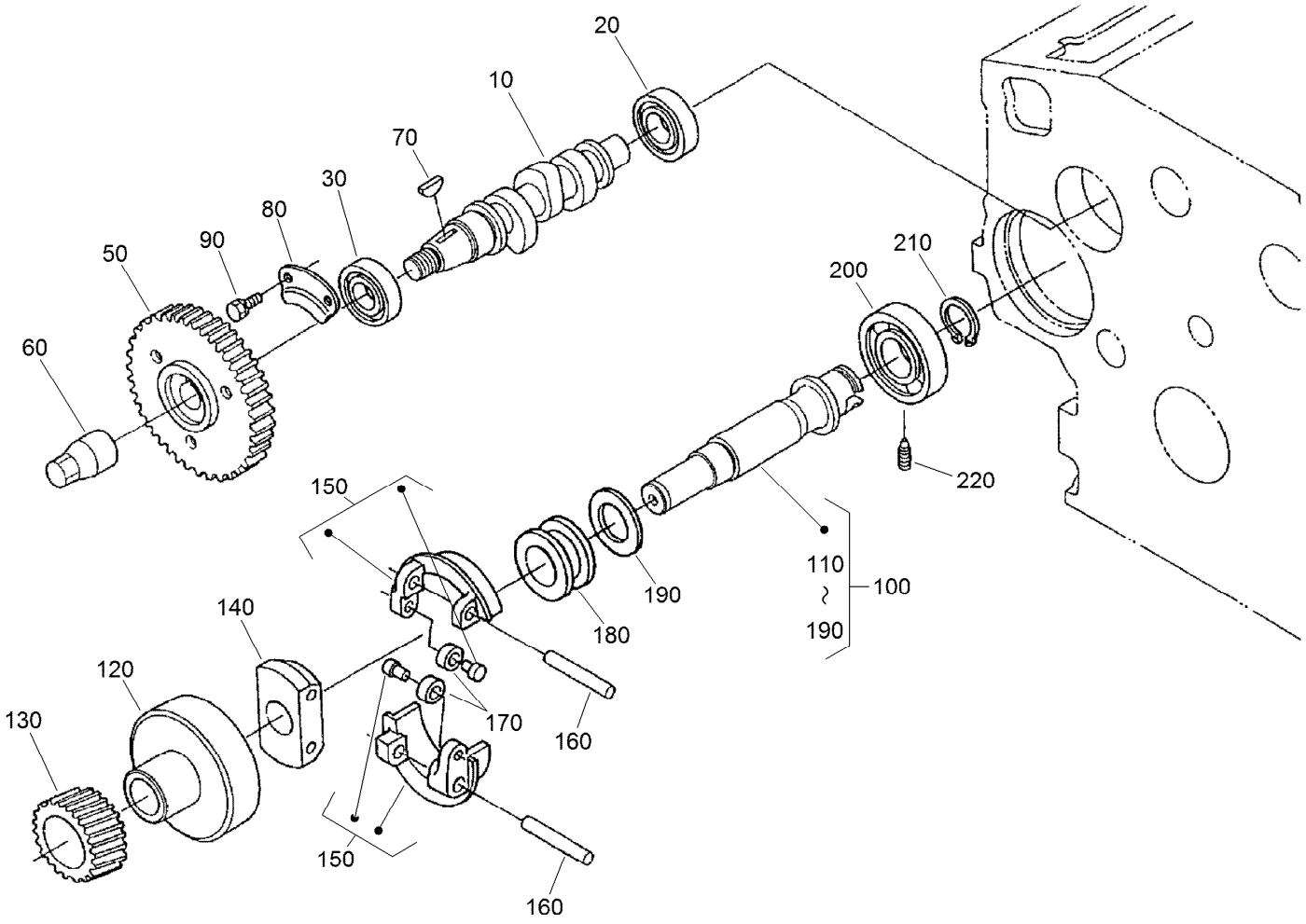
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 98-9550 | 4 | Piston (STD) |
| 10 | 108-1417 | 4 | Piston (+0.5MM) |
| 20 | 98-9551 | 4 | Piston Ring ASM (STD) |
| 20 | 108-1404 | 4 | Piston Ring ASM (+0.5MM) |
| 30 | 98-9513 | 4 | Pin-Piston |
| 40 | 98-9514 | 8 | Circlip-Pin, Piston |
| 50 | 98-9552 | 4 | Connecting Rod ASM |
| 60 | 115-3014 | 4 | Bushing-Pin, Piston |
| 70 | 98-9517 | 8 | Bolt-Rod, Connecting |
| 80 | 98-9553 | 4 | Bearing-Rod (STD) |
| 80 | 108-1405 | 4 | Metal-Crankpin (-0.2MM) |
| 80 | 108-1406 | 4 | Metal-Crankpin (-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 | 112-7005 | 1 | Bearing-Main (STD) |
| 180 | 112-7009 | 1 | Metal-Crankpin (-0.2MM) |
| 180 | 112-7010 | 1 | Metal-Crankpin (-0.4MM) |
| 190 | 112-7011 | 3 | Bearing-Main (STD) |
| 190 | 112-7012 | 3 | Metal-Crankpin (-0.2MM) |
| 190 | 112-7013 | 3 | Metal-Crankpin (-0.4MM) |
| 200 | 112-7006 | 1 | Bearing-Main (STD) |
| 200 | 112-7007 | 1 | Metal-Crankshaft (.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

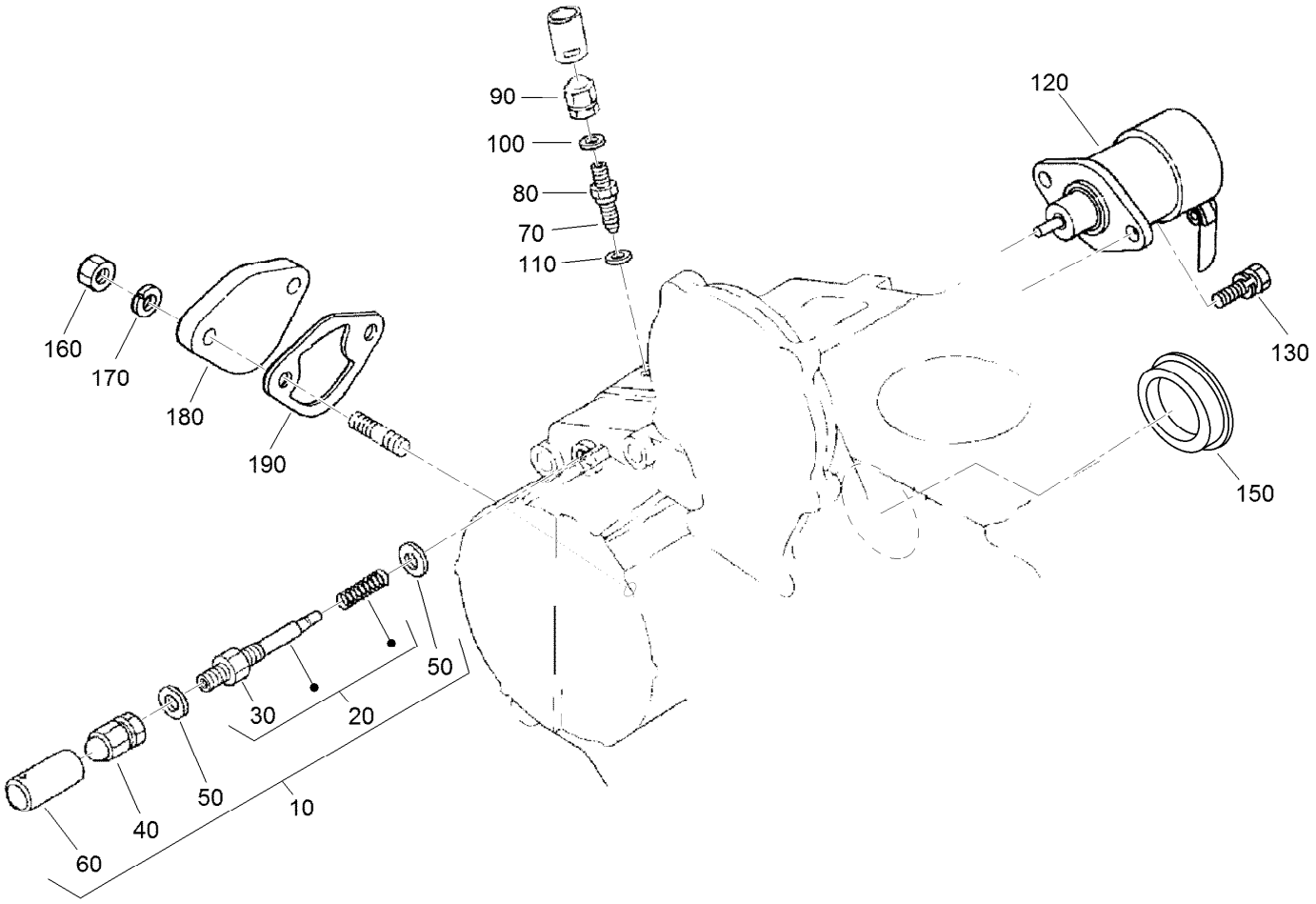
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3721 | 1 | Flywheel ASM |
| 20 | 115-3015 | 1 | Gear-Ring |
| 30 | 98-9537 | 6 | Bolt-Flywheel |
| 40 | 98-9486 | 1 | Plate-End, Rear |
| 50 | 98-9392 | 8 | Bolt |




# Fuel Camshaft and Governor Shaft Assembly

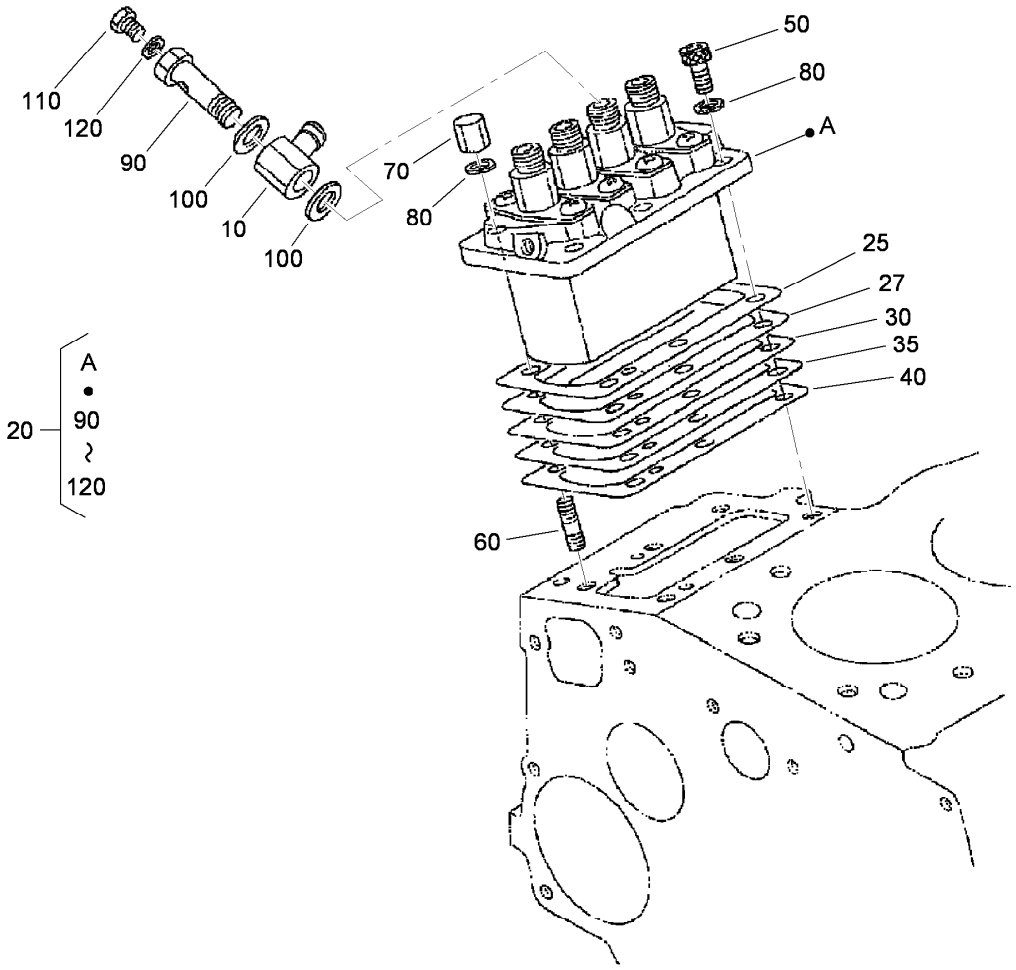
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 105-3723 | 1 | Camshaft-Fuel |
| 20 | 107-9077 | 1 | Bearing-Ball |
| 30 | 107-9078 | 1 | Bearing-Ball |
| 50 | 98-9669 | 1 | Gear-Pump, Injection |
| 60 | 98-9590 | 1 | Nut-Cap |
| 70 | 98-9595 | 1 | Key-Woodruff |
| 80 | 98-9511 | 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 |

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



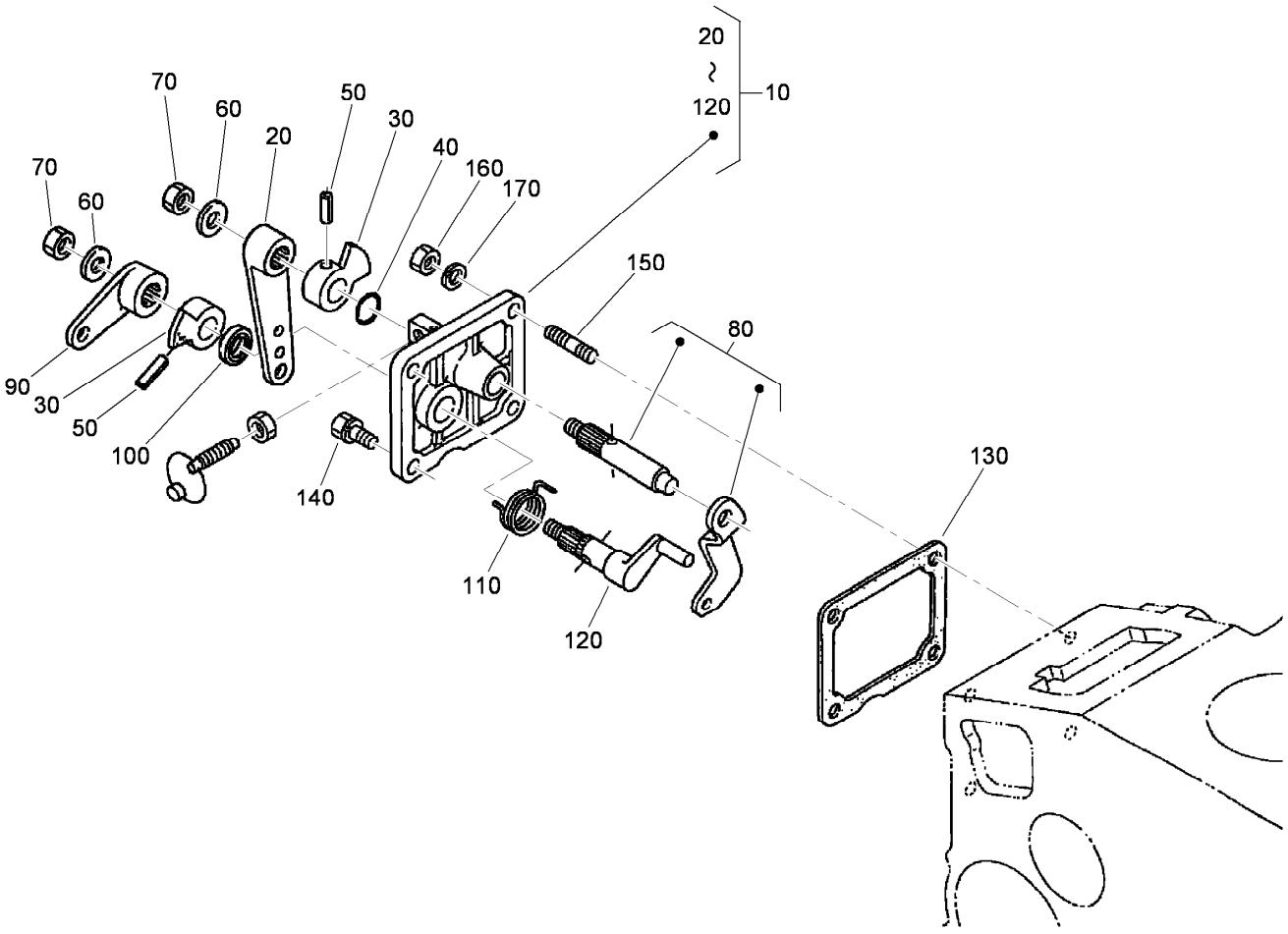

# Idle Apparatus Assembly

| *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 | 100-2175 | 1 | Nut-Lock |
| 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 |



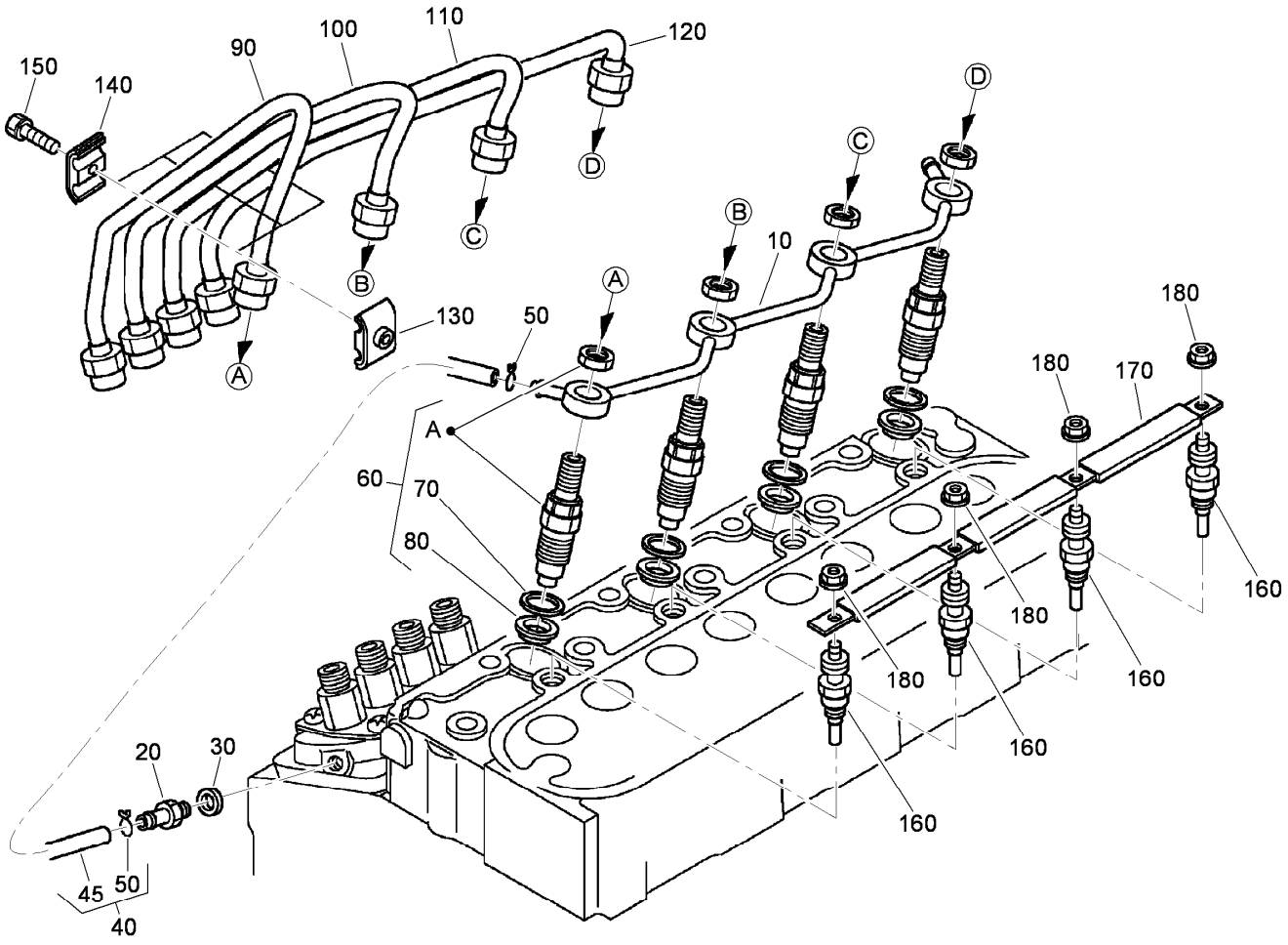

# Injection Pump Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9596 | 1 | Joint-Eye |
| 20 | 105-3727 | 1 | Injection Pump ASM |
| 25 | 115-3016 | 1 | Shim-Pump, Injection (.350MM) |
| 27 | 115-3017 | 1 | Shim-Pump, Injection (.175MM) |
| 30 | 105-3728 | 1 | Shim-Pump, Injection (.20MM) |
| 35 | 105-3729 | 1 | Shim-Pump, Injection (.25MM) |
| 40 | 105-3730 | 1 | Shim-Pump, Injection (.30MM) |
| 50 | 98-9361 | 3 | Bolt-HSH |
| 60 | 98-9438 | 3 | Stud |
| 70 | 98-9440 | 3 | Nut-Cap |
| 80 | 98-7699 | 6 | Washer-Spring |
| 90 | 98-9464 | 1 | Bolt-Joint |
| 100 | 98-9445 | 2 | Gasket |
| 110 | 98-9430 | 1 | Screw |
| 120 | 98-9446 | 1 | Gasket |



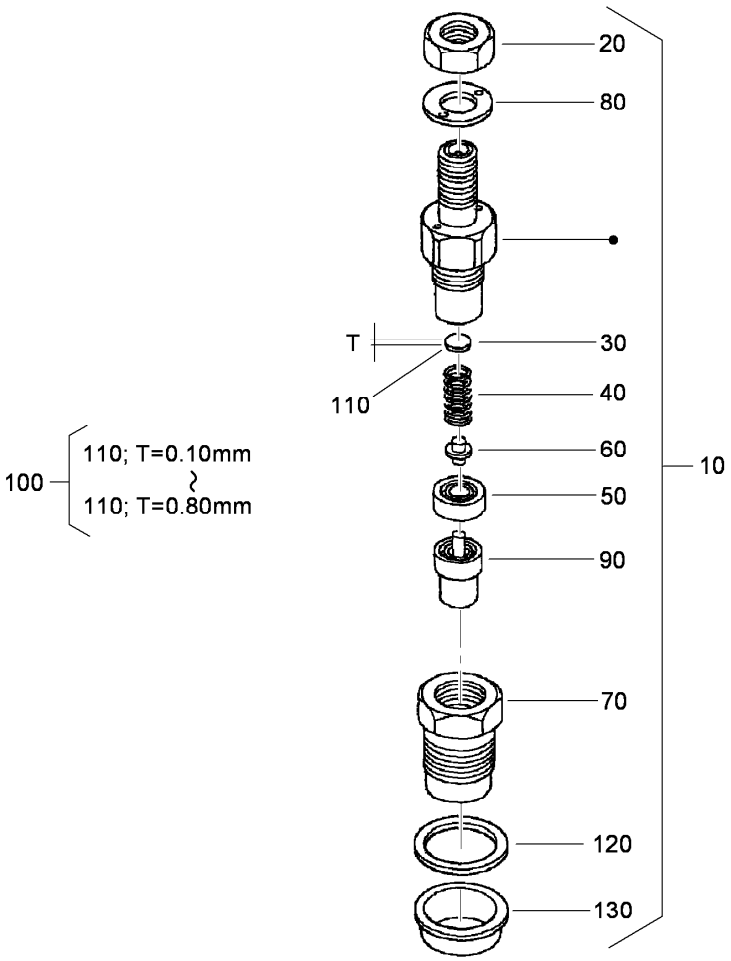

# Speed Control Plate Assembly

| *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 | 2 | Bolt |
| 150 | 105-3710 | 2 | Stud |
| 160 | 98-7572 | 2 | Nut |
| 170 | 98-7699 | 2 | Washer-Spring |



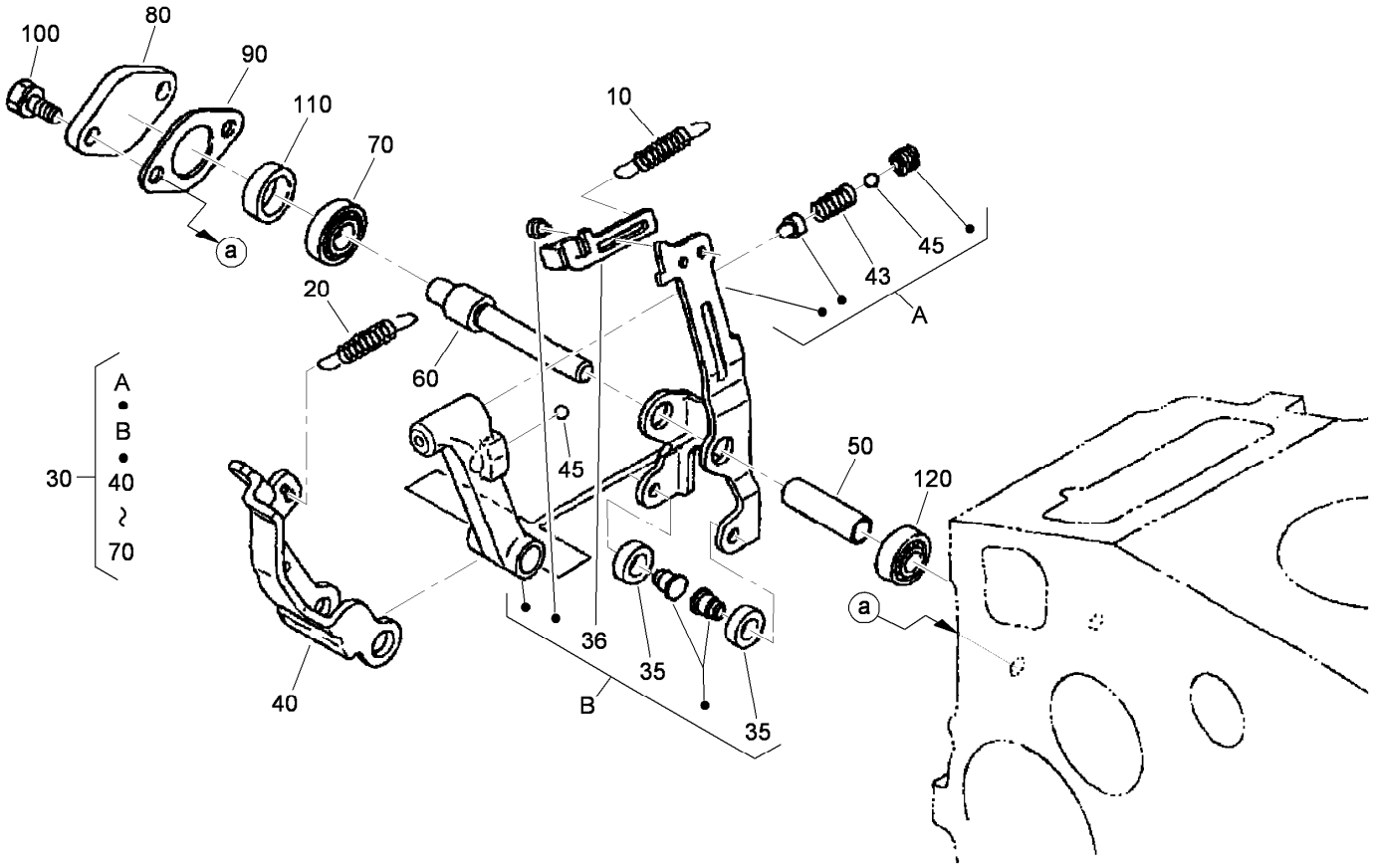

# Nozzle Holder and Glow Plug Assembly

| *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 |
| 45 | 112-0182 | 1 | Pipe-Overflow |
| 50 | 98-7671 | 2 | Clip-Pipe |
| 60 | 108-2866 | 4 | Nozzle Holder Kit |
| 70 | 98-7676 | 4 | Gasket |
| 80 | 98-7677 | 4 | Seal-Heat |
| 90 | 98-9622 | 1 | Pipe-Injection |
| 100 | 98-9654 | 1 | Pipe-Injection |
| 110 | 98-9655 | 1 | Pipe-Injection |
| 120 | 105-3738 | 1 | Pipe-Injection |
| 130 | 98-7682 | 3 | Clamp-Pipe |
| 140 | 98-7683 | 3 | Clamp-Pipe |
| 150 | 98-7684 | 3 | Screw (W/Washer) |
| 160 | 98-9623 | 4 | Plug-Glow |
| 170 | 105-3739 | 1 | Cord-Plug, Glow |
| 180 | 99-8377 | 4 | Nut-Flange |



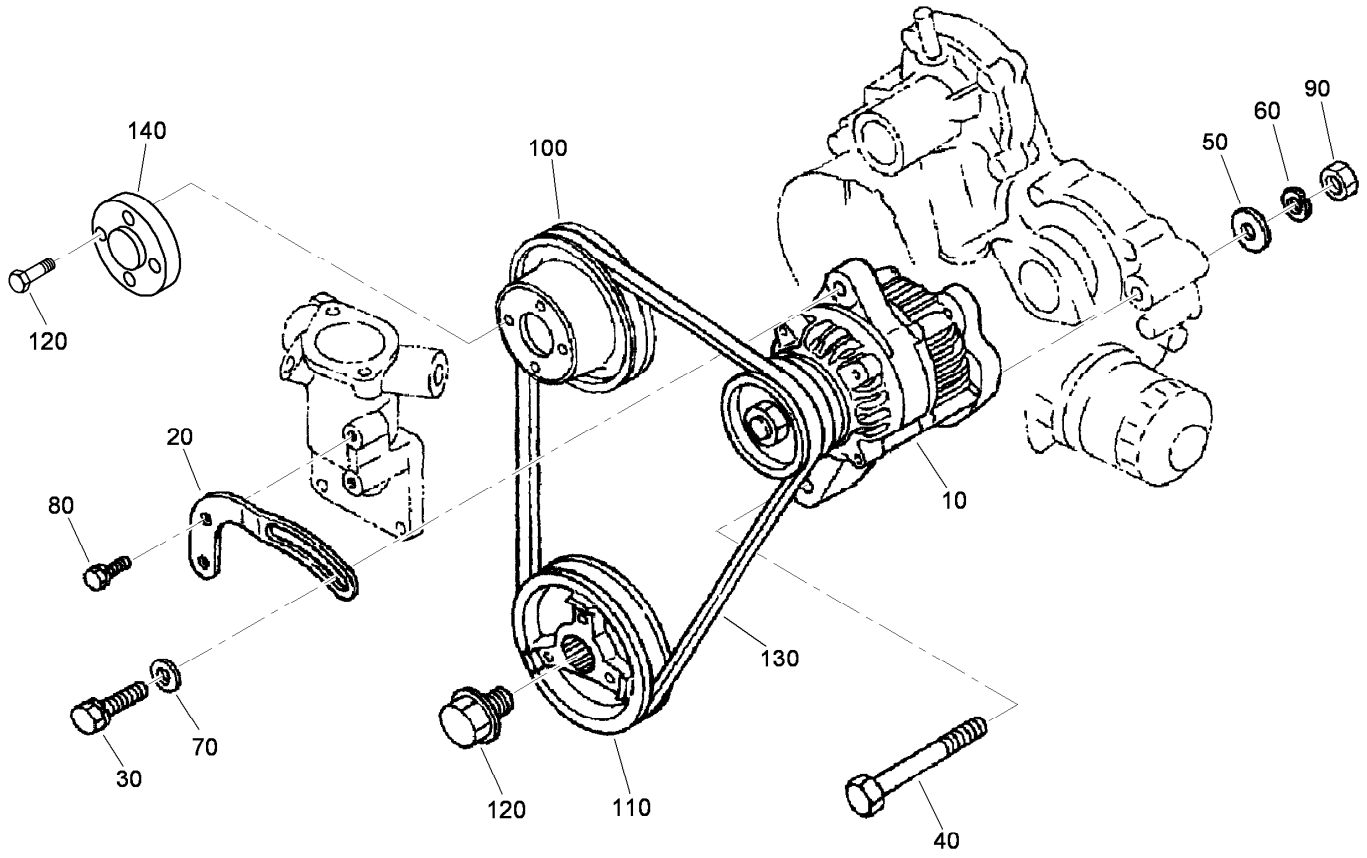

# Nozzle Holder Component Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 108-2866 | 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 | 107-7826 | 4 | Piece-Nozzle |
| 100 | 99-8309 | 4 | Adjusting Washer ASM |
| 110 | 99-8310 | 4 | Washer-Adjust (0.10MM) |
| 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 |



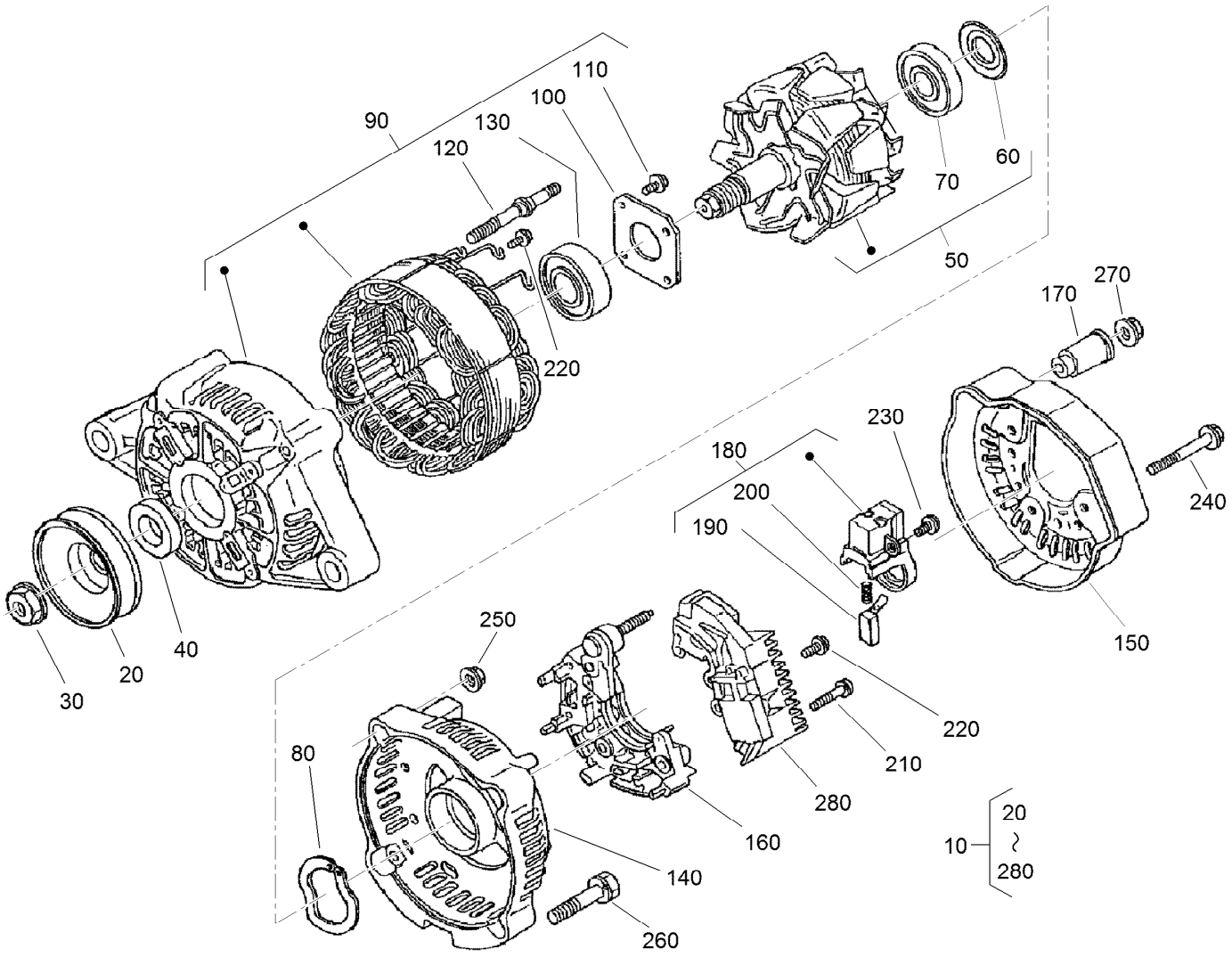

# Governor Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3741 | 1 | Spring-Start |
| 20 | 98-9681 | 1 | Spring-Governor |
| 30 | 108-4427 | 1 | Fork Lever ASM |
| 35 | 98-9692 | 2 | Roller |
| 36 | 107-9083 | 1 | Lever-Thrust |
| 40 | 107-9084 | 1 | Lever-Fork |
| 43 | 108-2867 | 1 | Spring |
| 45 | 98-7580 | 2 | Ball |
| 50 | 107-9085 | 1 | Shaft-Lever, Fork |
| 60 | 107-9086 | 1 | Shaft-Lever, Fork |
| 70 | 98-9570 | 1 | Bearing-Miniaturize |
| 80 | 115-4122 | 1 | Cover-Shaft, Fork Lever |
| 90 | 98-9682 | 1 | Gasket |
| 100 | 98-9350 | 2 | Bolt |
| 110 | 98-9567 | 1 | Collar |
| 120 | 98-9571 | 1 | Bearing-Miniaturize |




# Alternator and Pulley Assembly

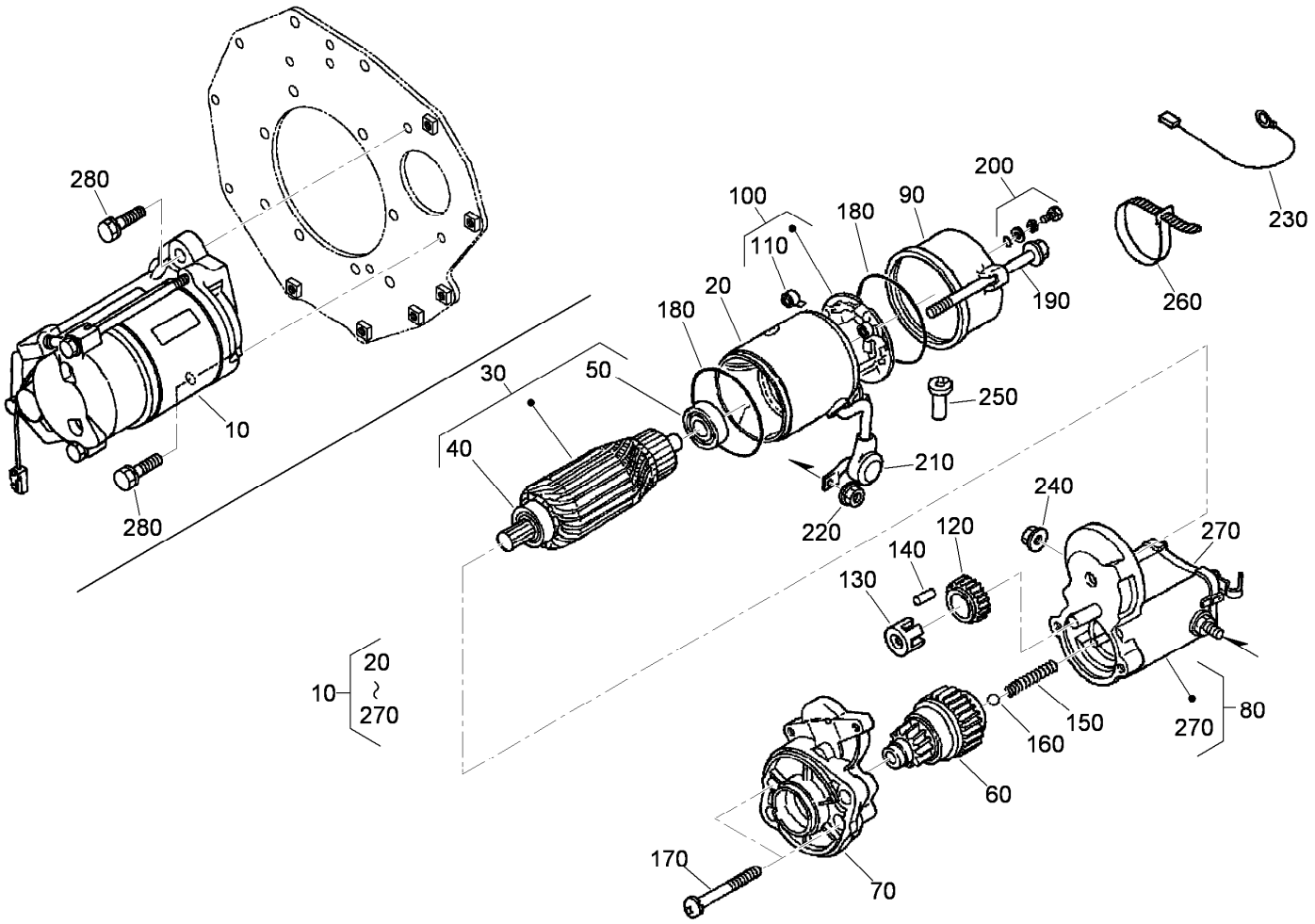
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 98-9474 | 1 | Alternator ASM |
| 20 | 112-7047 | 1 | Stay-Dynamo |
| 30 | 108-7088 | 1 | Bolt |
| 40 | 98-9360 | 1 | Bolt |
| 50 | 98-7696 | 1 | Washer-Plain |
| 60 | 98-7738 | 1 | Washer-Spring |
| 70 | 100-9233 | 1 | Washer-Plain |
| 80 | 98-7692 | 1 | Bolt |
| 90 | 98-7737 | 1 | Nut |
| 100 | 110-0972 | 1 | Pulley |
| 110 | 105-3745 | 1 | Pulley-Drive, Fan |
| 120 | 98-9585 | 1 | Bolt |
| 130 | 98-9676 | 1 | V-Belt |
| 140 | 108-2872 | 1 | Collar-Fan |




# Alternator Components

| 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 |

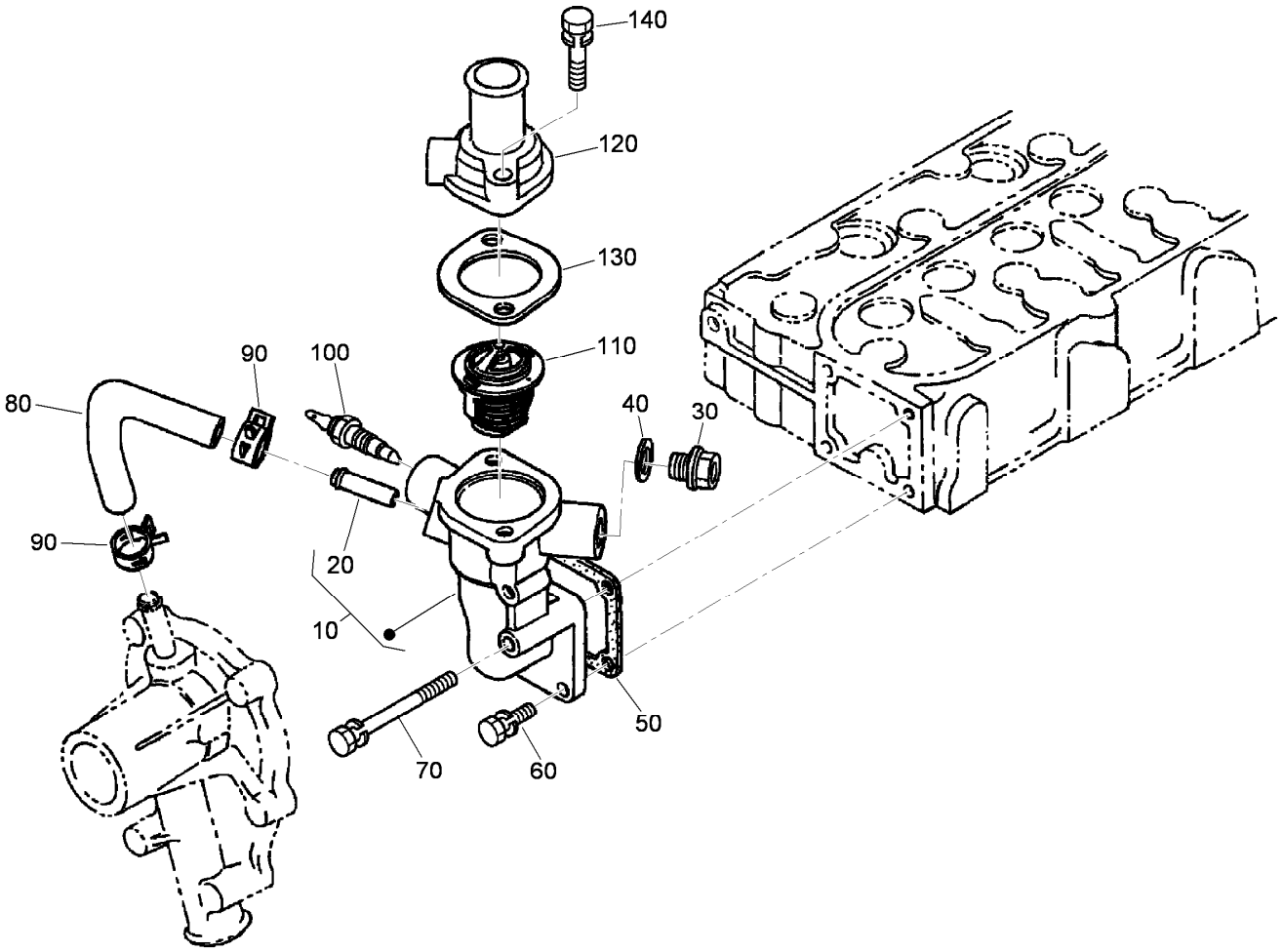
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 150 | 107-0140 | 1 | Cover-End |
| 160 | 98-7721 | 1 | Rectifier ASM |
| 170 | 98-7722 | 1 | Bushing-Insulation |
| 180 | 107-0141 | 1 | Brush Holder ASM |
| 190 | 98-7724 | 2 | Brush |
| 200 | 98-7725 | 2 | Spring-Brush |
| 210 | 98-7726 | 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 | 110-3799 | 1 | Regulator ASM |




# Starter Assembly

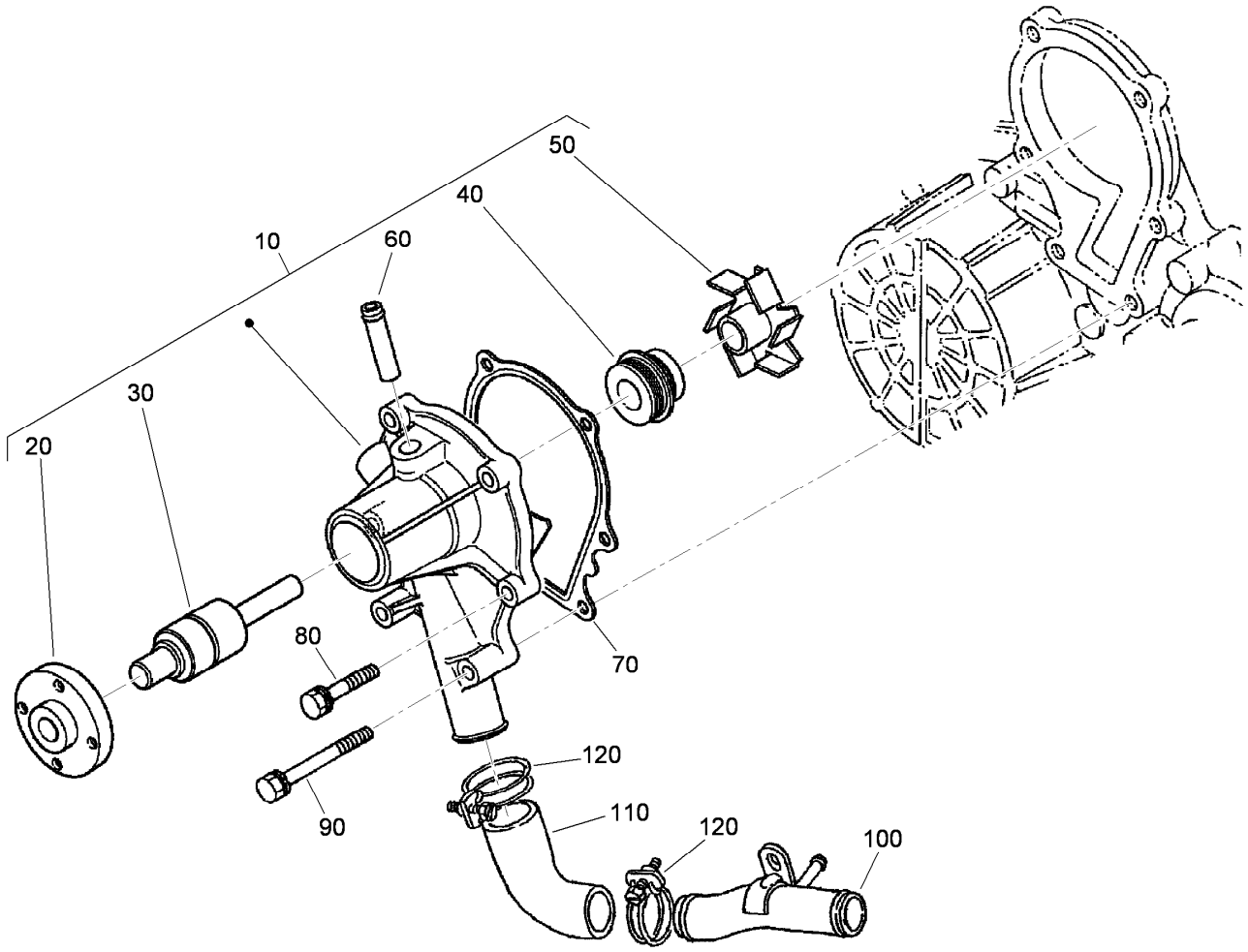
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 98-9705 | 1 | Starter ASM |
| 20 | 104-8608 | 1 | Yoke ASM |
| 30 | 98-7742 | 1 | Armature ASM |
| 40 | 98-7744 | 1 | Bearing |
| 50 | 98-7743 | 1 | Bearing |
| 60 | 99-8373 | 1 | Clutch-Running, Over |
| 70 | 99-8374 | 1 | Frame-End, 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 |
| 280 | 98-7697 | 2 | Bolt |



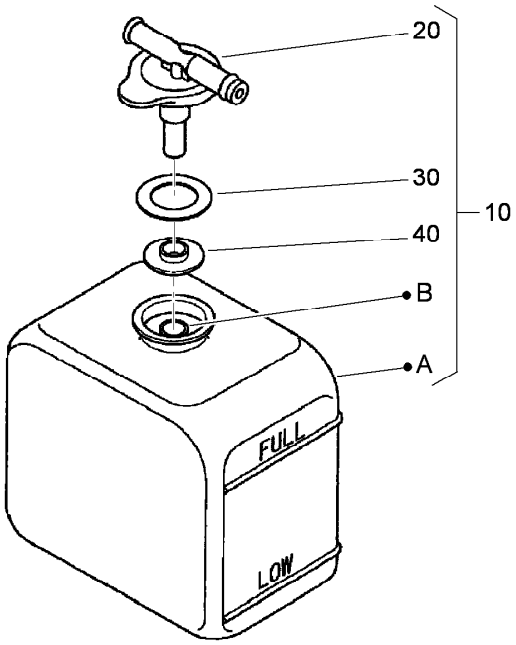

# Water Flange and Thermostat Assembly

| *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 | 112-0183 | 1 | Switch-Thermometer |
| 110 | 98-7778 | 1 | Thermostat ASM |
| 120 | 98-9471 | 1 | Cover-Thermostat |
| 130 | 105-3748 | 1 | Gasket-Thermostat |
| 140 | 98-7777 | 2 | Bolt |



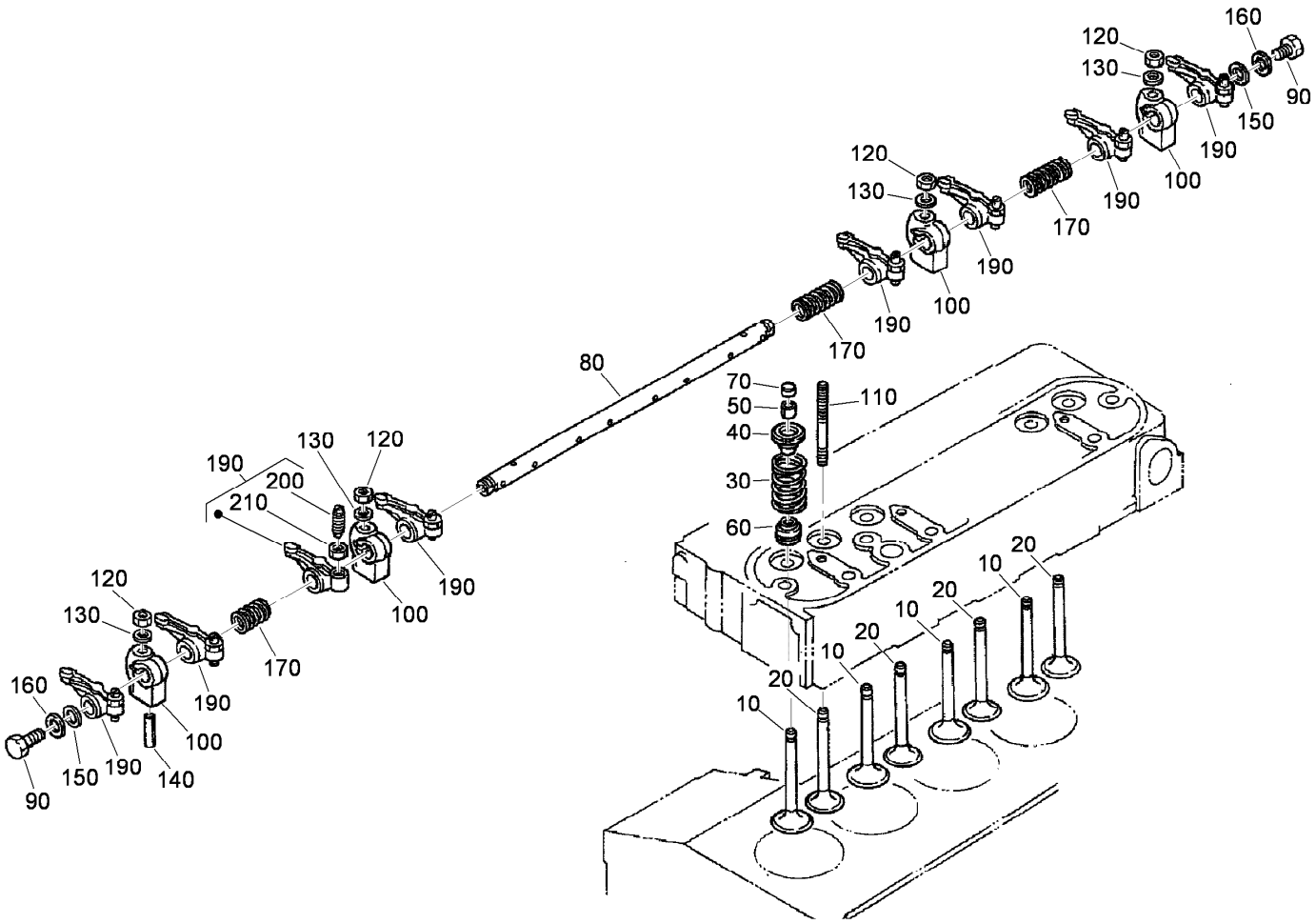

# Water Pump Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 107-9089 | 1 | Water Pump ASM |
| 20 | 99-3516 | 1 | Flange-Pump, Water |
| 30 | 99-3517 | 1 | Bearing-Pump, Water |
| 40 | 105-3750 | 1 | Mechanical Seal ASM |
| 50 | 112-7017 | 1 | Impeller-Pump, Water |
| 60 | 100-1932 | 1 | Pipe-Return, Water |
| 70 | 99-3454 | 1 | Gasket-Pump, Water |
| 80 | 98-9353 | 4 | Bolt |
| 90 | 107-9090 | 2 | Bolt |
| 100 | 99-8379 | 1 | Pipe-Water |
| 110 | 107-9091 | 1 | Pipe-Water |
| 120 | 98-9717 | 2 | Clamp |



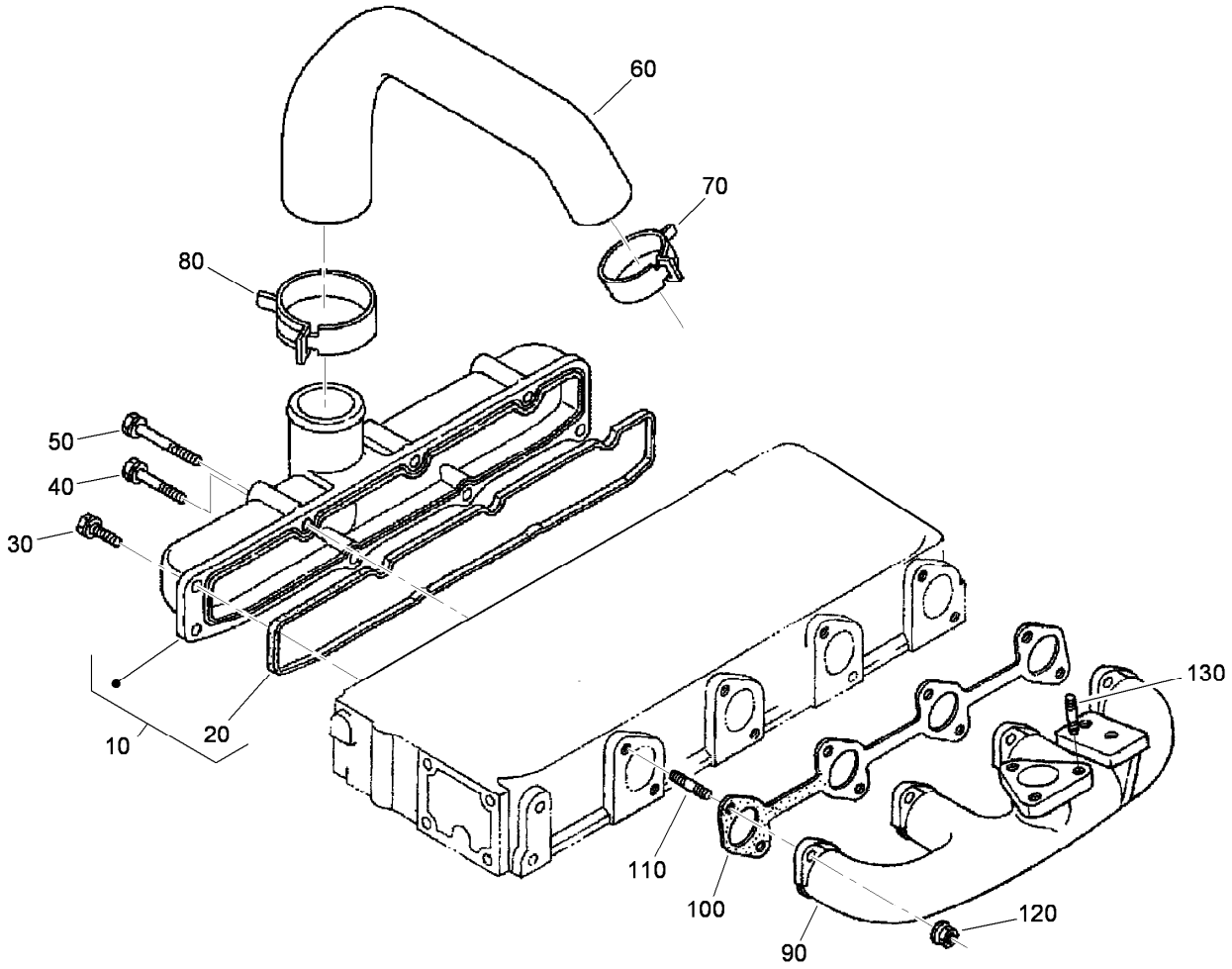

# Overflow Bottle Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 104-9318 | 1 | Bottle-Overflow |
| 20 | 115-4132 | 1 | Cap |
| 30 | 105-3755 | 1 | Gasket |
| 40 | 105-3756 | 1 | Plate |



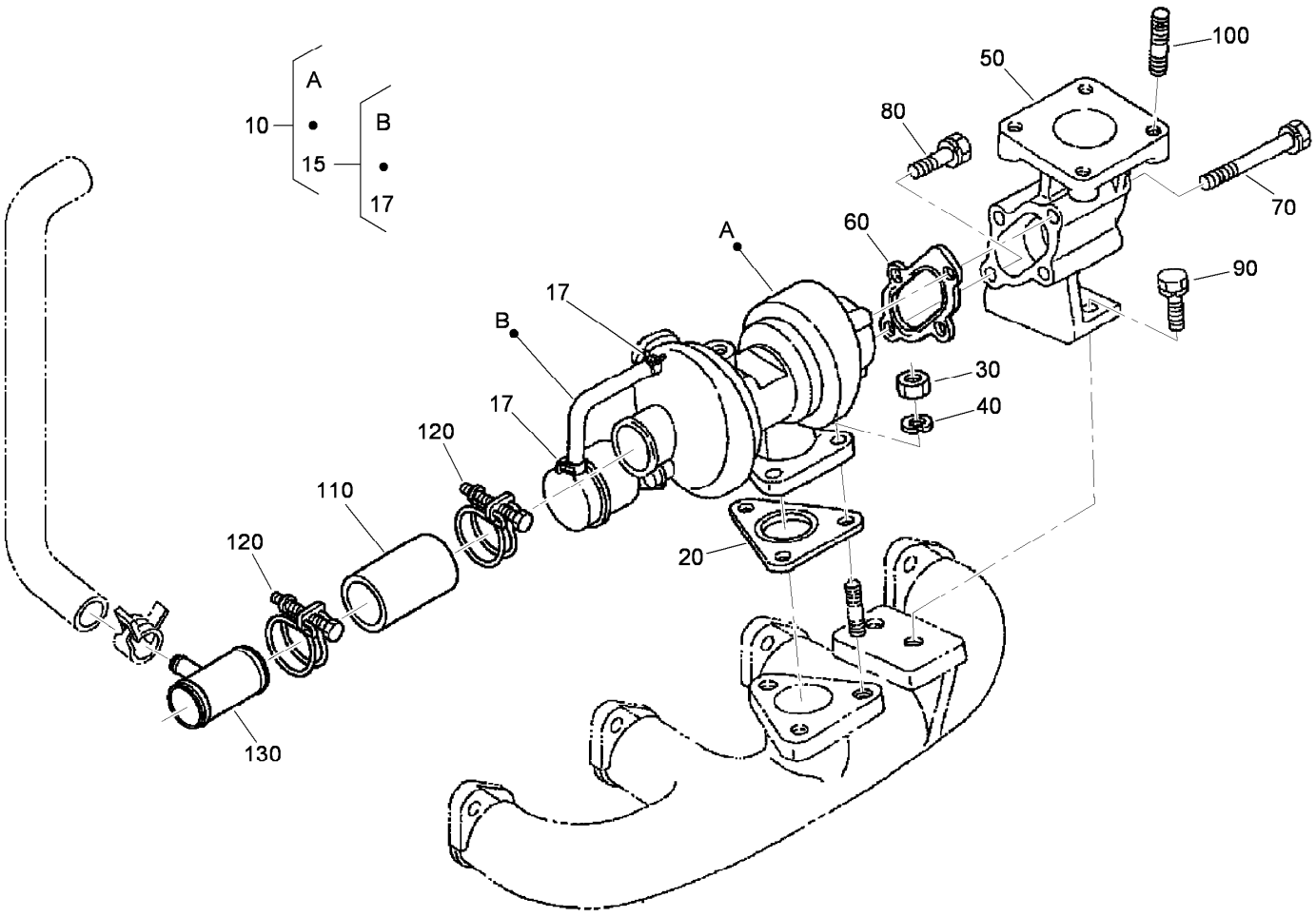

# Valve and Rocker Arm Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 112-7018 | 4 | Valve-Inlet |
| 20 | 112-7019 | 4 | Valve-Exhaust |
| 30 | 98-9626 | 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 | 2 | Pin-Spring |
| 150 | 98-9507 | 2 | Washer-Shaft, Rocker Arm |
| 160 | 110-3832 | 2 | Washer-Plain |
| 170 | 98-9504 | 3 | Spring-Arm, Rocker |
| 190 | 112-7020 | 8 | Rocker Arm ASM |
| 200 | 98-9502 | 8 | Screw-Adjusting |
| 210 | 98-9503 | 8 | Nut |



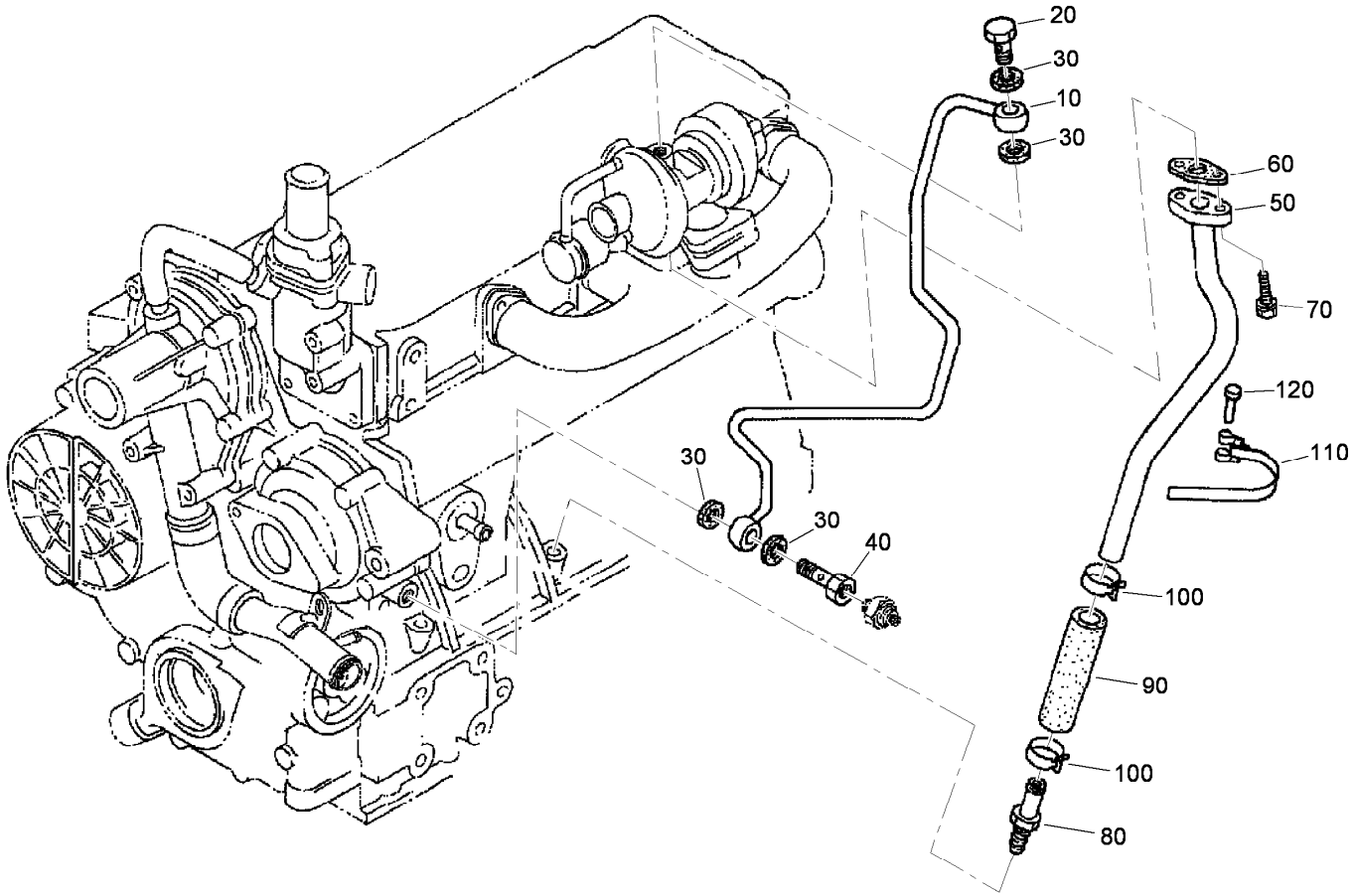

# Inlet and Exhaust Manifold Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 105-3759 | 1 | Inlet Manifold ASM |
| 20 | 105-3760 | 1 | Gasket-Manifold, Intake |
| 30 | 98-7605 | 3 | Bolt |
| 40 | 98-9353 | 2 | Bolt |
| 50 | 105-3797 | 3 | Bolt |
| 60 | 115-4123 | 1 | Hose-Inlet |
| 70 | 115-3048 | 1 | Clamp-Hose |
| 80 | 115-3049 | 1 | Clamp-Hose |
| 90 | 108-4425 | 1 | Manifold-Exhaust |
| 100 | 105-3765 | 1 | Gasket-Manifold, Exhaust |
| 110 | 98-9588 | 8 | Stud |
| 120 | 98-9665 | 8 | Nut |
| 130 | 99-8342 | 3 | Stud |



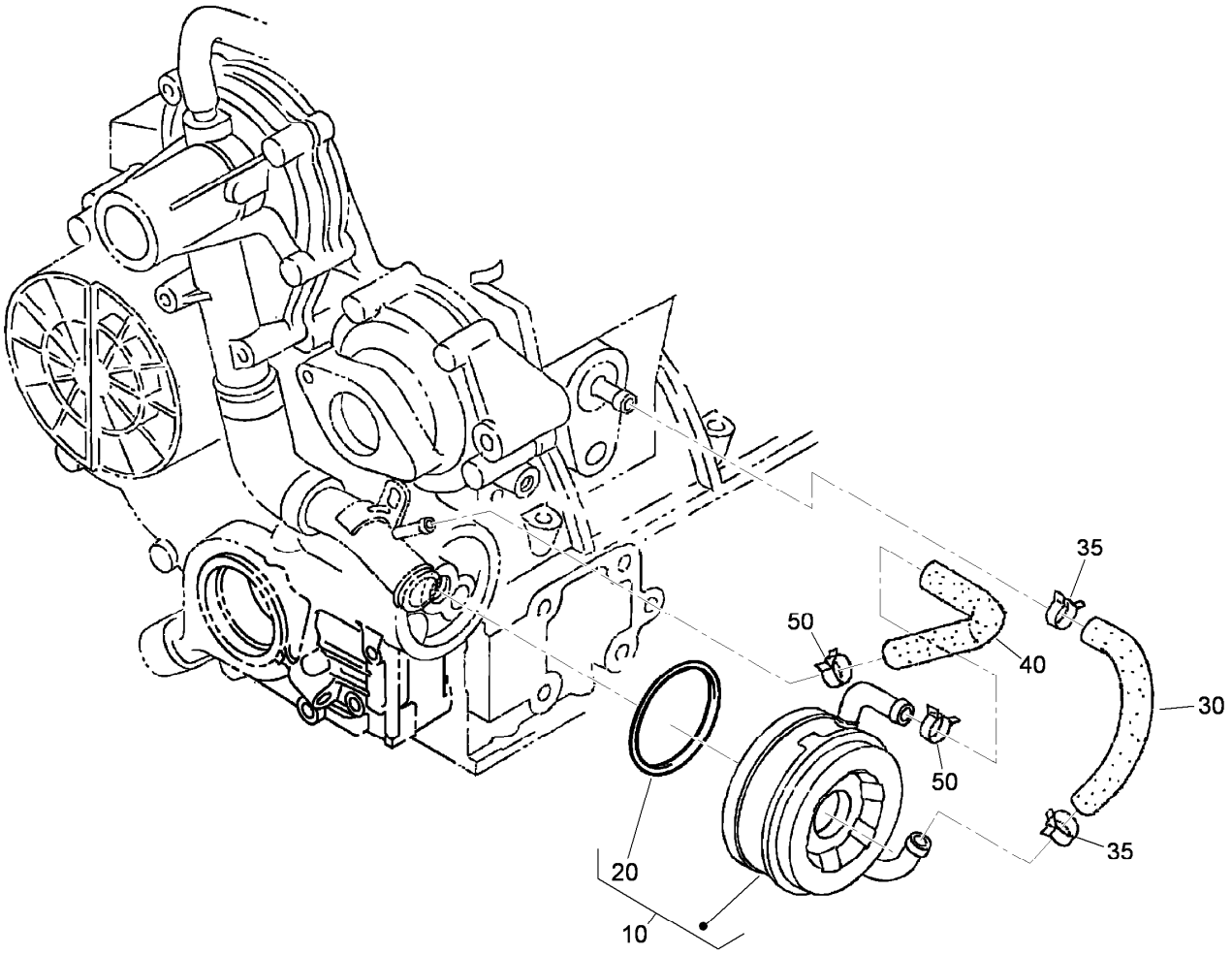

# Turbo Charger Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 108-1412 | 1 | Turbo Charger ASM |
| 15 | 108-1413 | 1 | Hose ASM |
| 17 | 108-1414 | 2 | Clamp-Hose |
| 20 | 105-3767 | 1 | Gasket |
| 30 | 98-7534 | 3 | Nut |
| 40 | 105-2893 | 3 | Washer-Spring |
| 50 | 99-8335 | 1 | Flange-Muffler |
| 60 | 105-3768 | 1 | Gasket |
| 70 | 115-4100 | 3 | Bolt |
| 80 | 105-2895 | 1 | Bolt |
| 90 | 98-7610 | 2 | Bolt |
| 100 | 98-7769 | 4 | Stud |
| 110 | 115-4101 | 1 | Tube-Inlet, Turbo |
| 120 | 115-4102 | 2 | Band |
| 130 | 115-4103 | 1 | Pipe-Inlet, Breather |




# Oil Pipe (Turbo Charger) Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 108-4424 | 1 | Oil Pipe ASM |
| 20 | 115-4126 | 1 | Bolt-Joint, Eye |
| 30 | 99-8346 | 4 | Gasket |
| 40 | 98-9417 | 1 | Bolt-Joint, Eye |
| 50 | 108-4423 | 1 | Oil Pipe ASM |
| 60 | 108-4422 | 1 | Gasket |
| 70 | 98-7605 | 2 | Bolt |
| 80 | 105-3771 | 1 | Oil Pipe ASM |
| 90 | 98-9721 | 1 | Pipe-Oil |
| 100 | 98-9714 | 2 | Clamp-Hose |
| 110 | 98-9601 | 1 | Clamp-Pipe |
| 120 | 98-9591 | 1 | Pin-Band |




# Oil Cooler Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 10 | 104-5158 | 1 | Oil Cooler ASM |
| 20 | 112-7030 | 1 | O-Ring |
| 30 | 98-9724 | 1 | Pipe-Cooler, Oil |
| 35 | 98-9579 | 2 | Band-Pipe |
| 40 | 98-9578 | 1 | Pipe-Return, Water |
| 50 | 98-9579 | 2 | Band-Pipe |

# Attachments and Accessories

## For 30853 Groundsmaster 4300-D Traction Unit

| Product Name | Model/Part |
|---|---|
| Air Ride Seat Suspension Kit | 03667 |
| Wheel Weight Kit | 104-1478 |
| Premium All Season Hydraulic Fluid (55 Gallon Drum) | 108-1177 |
| Premium All Season Hydraulic Fluid (5 Gallon Pail) | 108-1178 |
| Premium All Purpose Grease (Tube) | 108-1190 |
| Air Cleaner Safety Element | 108-3813 |
| 22in Combo Blade | 108-7395-03 |
| ROPS Extension Kit | 110-8030 |
| Operator Fan Kit - US Sales Only, 3in ROPS Post | 110-8804 |
| Weight Plate | 110-8985-03 |
| 22in High Lift Blade | 114-0434-03 |
| 22in Atomic Blade | 114-0435-03 |
| Roller Scraper Kit | 117-0149 |
| Mulching Kit | 117-0185 |
| 22in Angle Sail Blade | 117-0209-03 |
| Hydraulic Hose Kit | 117-0289 |
| 22in Rotary Cutting Unit Sectional Roller ASM | 117-0297 |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail) | 119-2157 |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum) | 119-2158 |
| Service Pack-Combo Blade | 119-6957 |
| Large Seat Cover | 120-5179 |
| Premium Engine Oil 10w30 (55 Gallon Drum) | 121-6392 |
| Premium Engine Oil 10w30 (5 Gallon Pail) | 121-6393 |
| Canopy Completion Kit | 130-5895 |
| 400-Hour Filter Maintenance Kit | 30055 |
| Universal Sunshade | 30349 |
| 22in Rotary Cutting Unit | 30845 |
| Spark Arrestor | 98-9099 |

## Notes:

## Notes:




**Count on it.**