Form No. 3363-476 Rev B

TORO®

Count on it.

Parts Catalog

# Reelmaster® 2000-D

## Traction Unit

**Model No. 03431—Serial No. 310000001 and Up**

CE

Register at www.Toro.com.

Original Instructions (EN)

# Ordering Replacement Parts

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

**Understanding Reference Numbers**

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

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

**Service Assembly Reference Numbers**

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

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

**Reference Numbers Indicating Quantity**

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

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

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** Liquid Propane

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

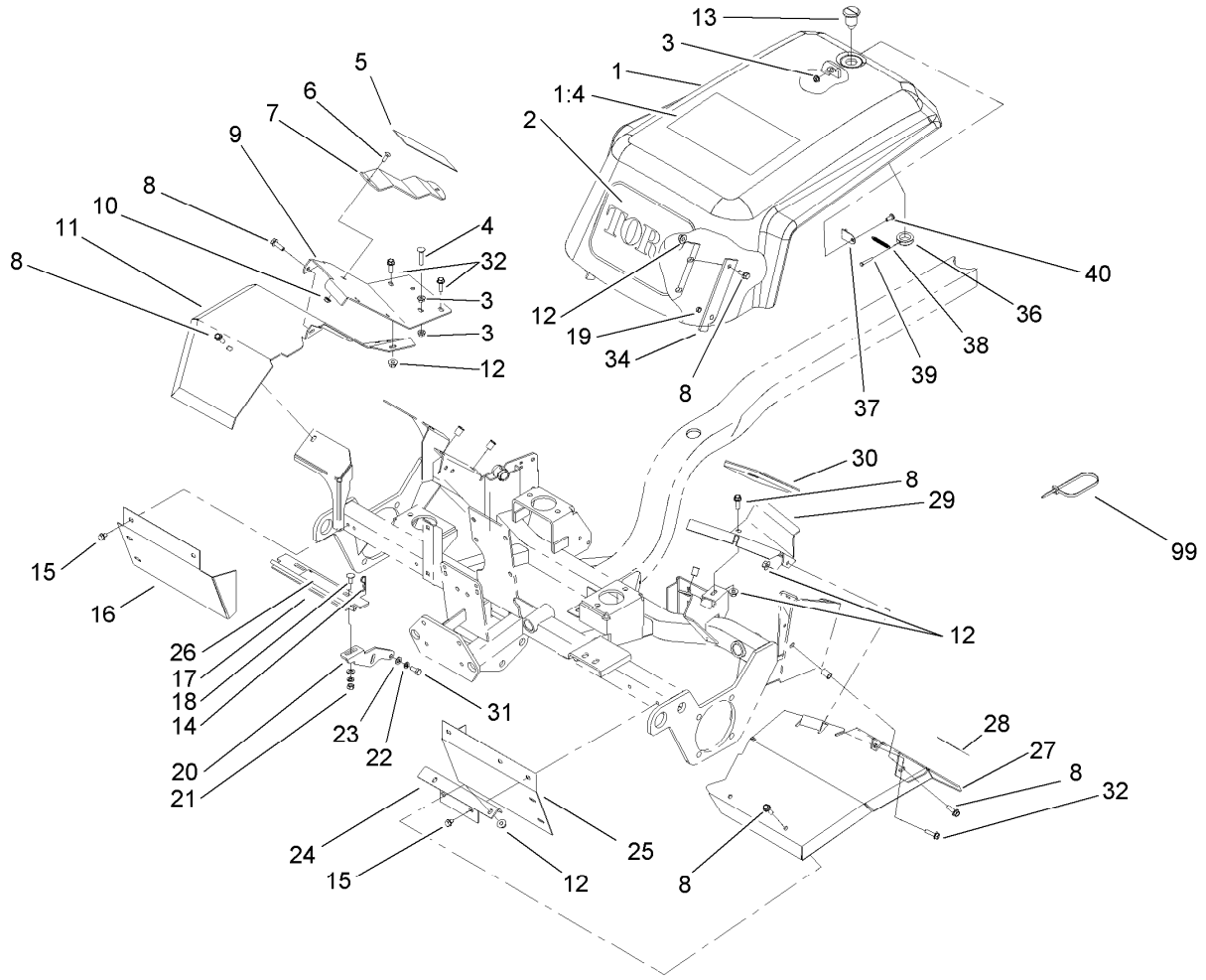
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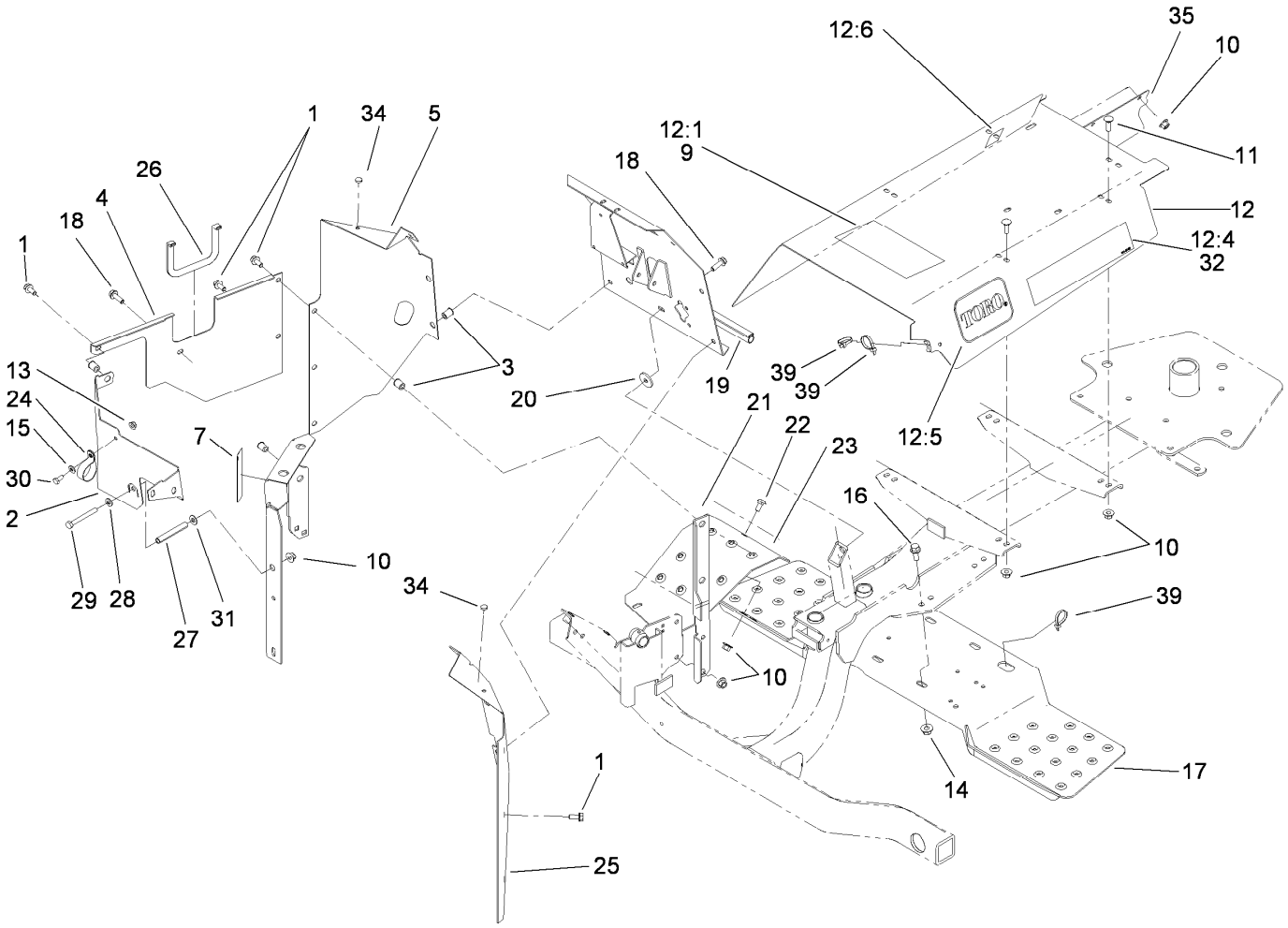



# Hood Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-3987 | 1 | Hood ASM |
| 1:4 | 106-8109 | 1 | Decal |
| 1:5 | 106-8117 | 1 | Heat Tape Repair Kit ● |
| 2 | 66-1210 | 1 | Decal |
| 3 | 32128-33 | 3 | Nut-HF |
| 4 | 3230-27 | 1 | Screw-CARR |
| 5 | 76-2260 | 1 | Pad-Footrest |
| 6 | 3229-1 | 2 | Screw-CARR |
| 7 | 76-2200-03 | 1 | Footrest-Pedal, Traction |
| 8 | 3234-5 | 8 | Screw-HHF |
| 9 | 93-6779-03 | 1 | Footrest-RH |
| 10 | 32128-33 | 3 | Nut-HF |
| 11 | 93-6778-01 | 1 | Fender-RH |
| 12 | 32128-44 | 16 | Nut |
| 13 | 104-4074 | 1 | Stud-Latch |
| 14 | 3290-467 | 1 | Pin-Hair |
| 15 | 32104-32 | 5 | Screw-HWH |
| 16 | 104-4062-01 | 1 | Shield-Front, RH |
| 17 | 93-6780-03 | 1 | Hinge ASM |
| 18 | 3230-2 | 2 | Bolt-CARR |
| 19 | 256-320 | 2 | Bushing-Nylon |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 93-6742-03 | 2 | Bracket-Hood, Pivot |
| 21 | 3217-6 | 2 | Nut-Hex |
| 22 | 3253-4 | 6 | Washer-Lock |
| 23 | 3256-23 | 6 | Washer-Flat |
| 24 | 83-8510-01 | 1 | Bracket-Fender, Left |
| 25 | 83-9800-01 | 1 | Grass Shield-Front, LH |
| 26 | 94-5056 | 1 | Decal |
| 27 | 93-6776-01 | 1 | Fender-LH |
| 28 | 93-7267 | 1 | Decal-Brake |
| 29 | 83-9710-03 | 1 | Footrest-Pedal, Traction |
| 30 | 83-9840 | 1 | Pad-Foot |
| 31 | 322-3 | 4 | Screw-HH |
| 32 | 3234-17 | 10 | Screw-HHF |
| 34 | 104-3968-03 | 2 | Bracket-Hood |
| 36 | 104-4078 | 1 | Collar-Latch |
| 37 | 104-4079 | 1 | Bracket-Spring |
| 38 | 104-4080 | 1 | Spring-Extension |
| 39 | 3290-360 | 1 | Screw-HH |
| 40 | 3290-145 | 1 | Screw |
| 99 | 3290-379 | 2 | Tie-Cable |

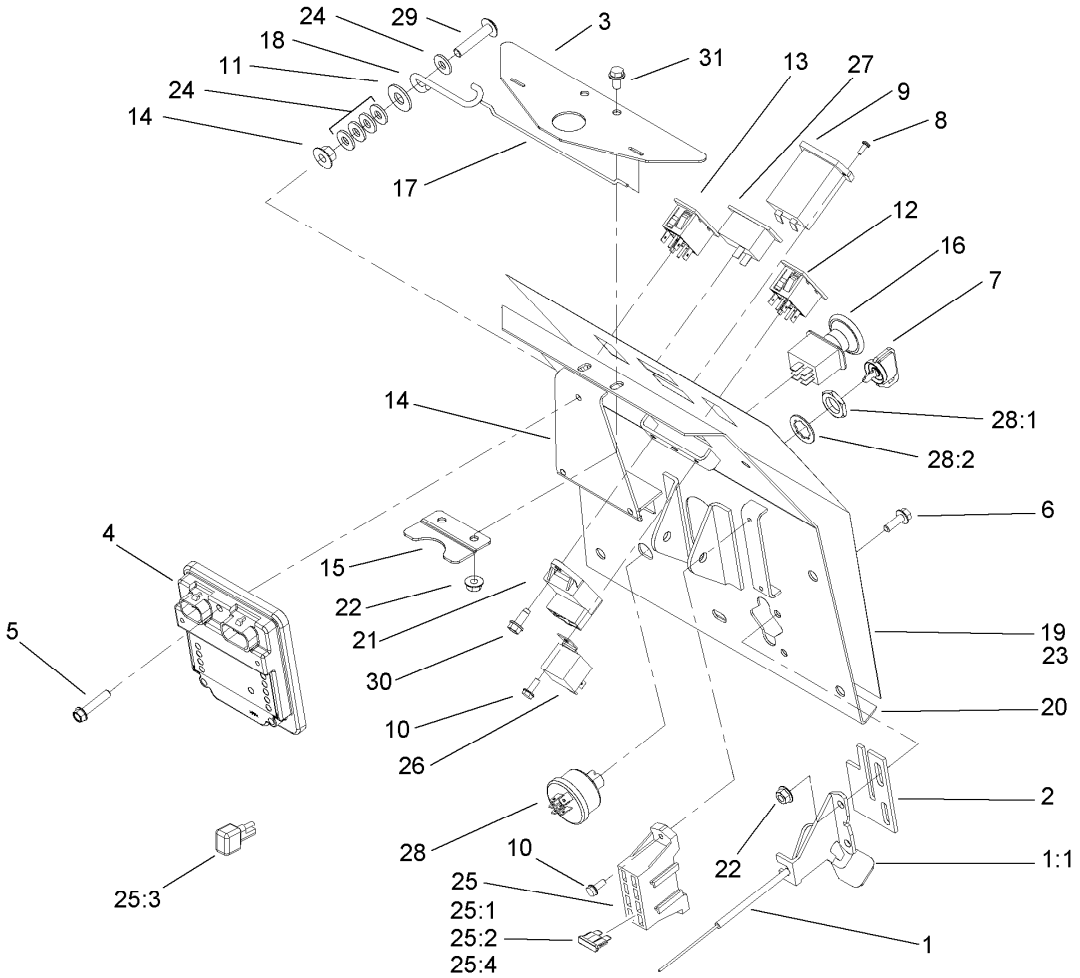
● Not illustrated




# Skirt and Body Panel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3234-5 | 15 | Screw-HHF |
| 2 | 104-3865-03 | 1 | Panel-Front, RH |
| 3 | 32148-7 | 8 | Nut-Insert |
| 4 | 104-4063-03 | 1 | Front Panel ASM |
| 5 | 104-3932-03 | 1 | Panel-Rear, Right |
| 7 | 106-8120 | 1 | Decal-Danger, Ce |
| 9 | 106-8119 | 1 | Decal-Warning, Ce |
| 10 | 32128-44 | 13 | Nut |
| 11 | 3230-2 | 4 | Bolt-CARR |
| 12 | 104-3916 | 1 | Skirt ASM |
| 12:1 | 104-4096 | 1 | Decal-Warning |
| 12:4 | 104-3988 | 2 | Decal |
| 12:5 | 104-3989 | 2 | Decal |
| 12:6 | 105-4674 | 1 | Decal-Noise |
| 13 | 32128-33 | 1 | Nut-HF |
| 14 | 32128-43 | 4 | Nut-Flange |
| 15 | 3256-22 | 1 | Washer-Flat |
| 16 | 3234-11 | 4 | Screw-HHF |
| 17 | 93-6868-03 | 1 | Step-Foot |

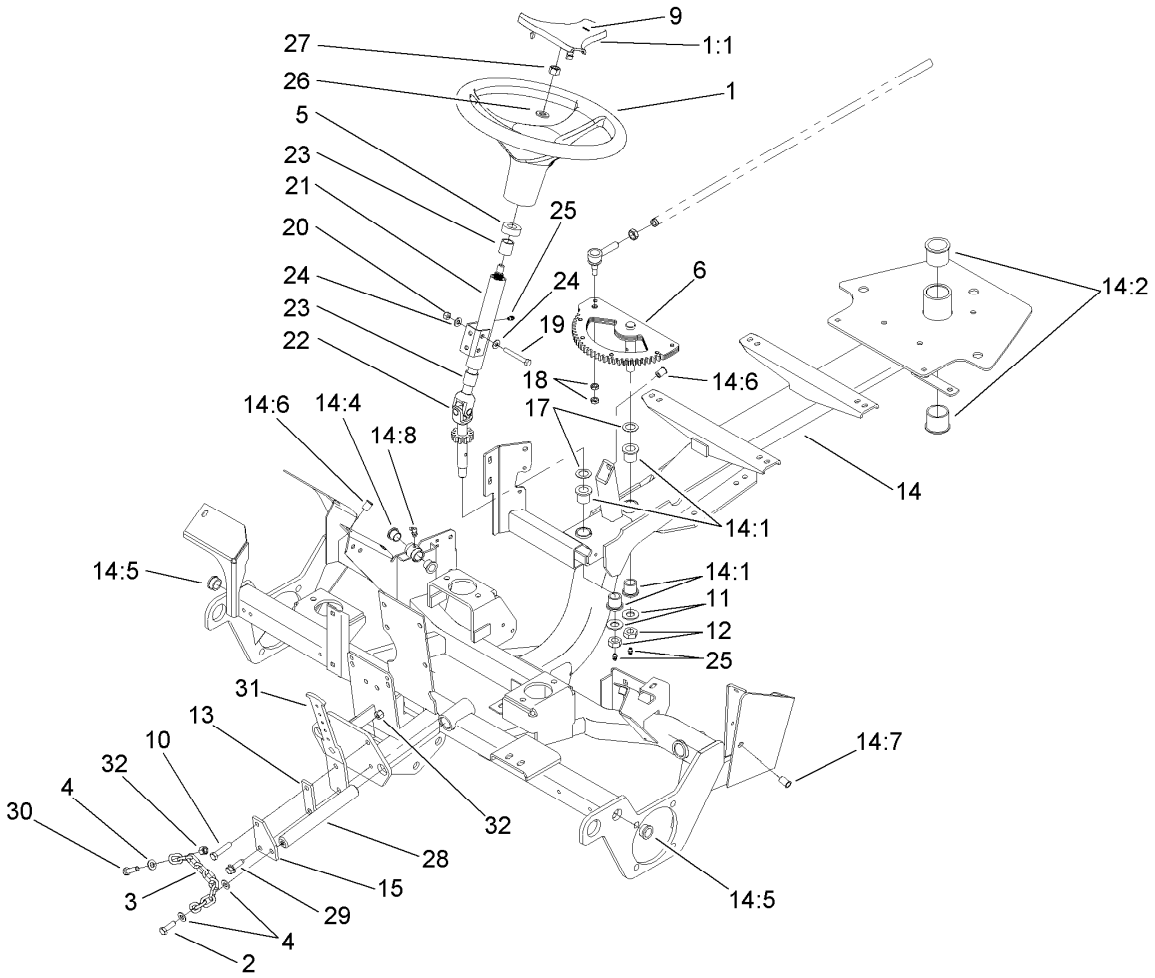
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 3234-17 | 2 | Screw-HHF |
| 19 | 76-6471 | 1 | Strip-Seal, Firewall |
| 20 | 62-7170 | 1 | Spacer-Rubber |
| 21 | 104-4009-03 | 1 | Angle-Right |
| 22 | 3230-1 | 1 | Bolt-CARR |
| 23 | 93-6938-03 | 1 | Shield-Footrest |
| 24 | 2412-74 | 1 | R-Clamp |
| 25 | 93-6732-03 | 1 | Panel-Rear, Left |
| 26 | 104-4060 | 1 | Trim |
| 27 | 93-6908 | 1 | Spacer-Split |
| 28 | 3256-23 | 1 | Washer-Flat |
| 29 | 322-23 | 1 | Screw-HH |
| 30 | 321-3 | 1 | Screw-HH |
| 31 | 87-8640 | 1 | Washer-Flat |
| 32 | 104-4014 | 1 | Decal-Sport, Reelmaster |
| 34 | 104-4098 | 2 | Seal-Foam |
| 35 | 104-4086-01 | 1 | Shield-Muffler |
| 39 | 3290-379 | 3 | Tie-Cable |




# Instrument Panel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-3967 | 1 | Cable-Control, Throttle |
| 1:1 | 66-0120 | 1 | Knob |
| 2 | 93-6743 | 1 | Stop-Throttle |
| 3 | 104-4075-03 | 1 | Plate-Latch |
| 4 | 106-9277 | 1 | Module-Control, Standard |
| 5 | 32144-110 | 3 | Screw-HWH |
| 6 | 3234-4 | 2 | Screw-HHF |
| 7 | 63-8360 | 2 | Key-Ignition |
| 8 | 32144-18 | 2 | Screw-HH |
| 9 | 75-6820 | 1 | Hourmeter |
| 10 | 32144-1 | 3 | Screw-Taptite |
| 11 | 3256-4 | 1 | Washer-Flat |
| 12 | 100-8070 | 1 | Lamp-Warning |
| 13 | 100-8071 | 1 | Lamp-Warning |
| 14 | 32128-44 | 1 | Nut |
| 15 | 104-4076-03 | 1 | Plate-Spring, Keeper |
| 16 | 93-9998 | 1 | Switch-PTO |
| 17 | 104-4077 | 1 | Wire-Form |
| 18 | 94-5973 | 1 | Hook |

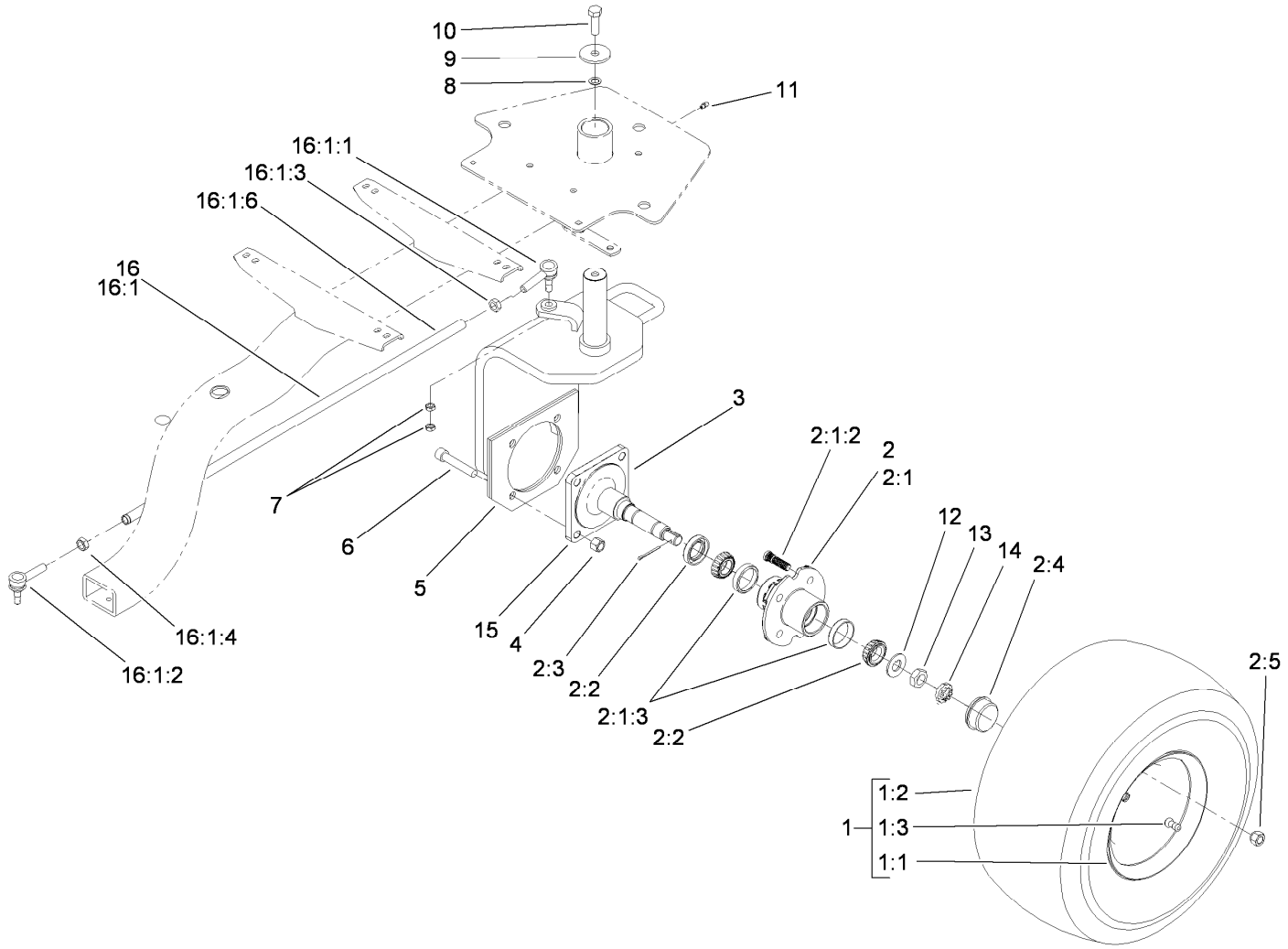
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 104-3991 | 1 | Decal |
| 20 | 104-3864-03 | 1 | Panel-Instrument |
| 21 | 115-2292 | 1 | Timer-Glow Plug |
| 22 | 32128-33 | 4 | Nut-HF |
| 23 | 104-3994 | 1 | Decal |
| 24 | 3256-2 | 5 | Washer-Flat |
| 25 | 104-4064 | 1 | Harness-Wire, Main |
| 25:1 | 218-578 | 1 | Fuse-10 Amp |
| 25:2 | 109355 | 1 | Fuse-15 Amp |
| 25:3 | 104-4022 | 1 | Resistor-75 Ohm |
| 25:4 | 94-6710 | 1 | Fuse-2 Amp |
| 26 | 99-7435 | 1 | Relay-Power |
| 27 | 104-4071 | 1 | Light-Indicator, Amber |
| 28 | 104-2541 | 1 | Switch ASM |
| 28:1 | 218-461 | 1 | Nut-HH |
| 28:2 | 3254-5 | 1 | Washer-Tooth, Internal |
| 29 | 322-41 | 1 | Screw-HH |
| 30 | 32144-10 | 1 | Screw-HWH |
| 31 | 3234-13 | 2 | Screw-HHF |




# Steering Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 98-1471 | 1 | Wheel-Steering |
| 1:1 | 98-1468 | 1 | Cover-Wheel, Steering |
| 2 | 323-18 | 2 | Screw-HH |
| 3 | 93-6738 | 2 | Chain |
| 4 | 3256-24 | 6 | Washer-Flat |
| 5 | 21-9260 | 1 | Cover-Dust |
| 6 | 93-6768-03 | 1 | Gear-Sector |
| 9 | 98-1459 | 1 | Decal |
| 10 | 323-9 | 2 | Screw-HH |
| 11 | 3256-27 | 2 | Washer-Flat |
| 12 | 3296-33 | 2 | Nut-Lock, NI |
| 13 | 98-3445 | 2 | Spacer |
| 14 | 104-3913 | 1 | Frame ASM |
| 14:1 | 106-8125 | 4 | Bushing |
| 14:2 | 256-245 | 2 | Bushing-Flange |
| 14:4 | 75-2160 | 2 | Bushing |
| 14:5 | 256-247 | 2 | Bushing-Flange |
| 14:6 | 32148-7 | 4 | Nut-Insert |
| 14:7 | 32148-8 | 1 | Insert-Threaded |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14:8 | 302-60 | 1 | Fitting-Grease |
| 15 | 98-3446 | 2 | Plate-Reinforcement |
| 17 | 3-6498 | 6 | Washer-Thrust |
| 18 | 3220-3 | 2 | Nut-HJ |
| 19 | 322-12 | 1 | Screw-HH |
| 20 | 3296-29 | 1 | Nut-Lock, NI |
| 21 | 93-6769-03 | 1 | Column-Steering |
| 22 | 94-5969 | 1 | Shaft And Gear-Steering |
| 23 | 256-27 | 2 | Bushing |
| 24 | 87-8640 | 2 | Washer-Flat |
| 25 | 302-5 | 3 | Fitting-Grease |
| 26 | 3256-26 | 1 | Washer-Flat |
| 27 | 3296-25 | 1 | Nut-Lock, NI |
| 28 | 92-1812 | 2 | Shaft-Pivot, Lift |
| 29 | 32144-109 | 2 | Screw |
| 30 | 323-7 | 2 | Screw-HH |
| 31 | 92-1818-01 | 2 | Arm-Spring, Tension |
| 32 | 3296-39 | 4 | Nut-Lock, NI |

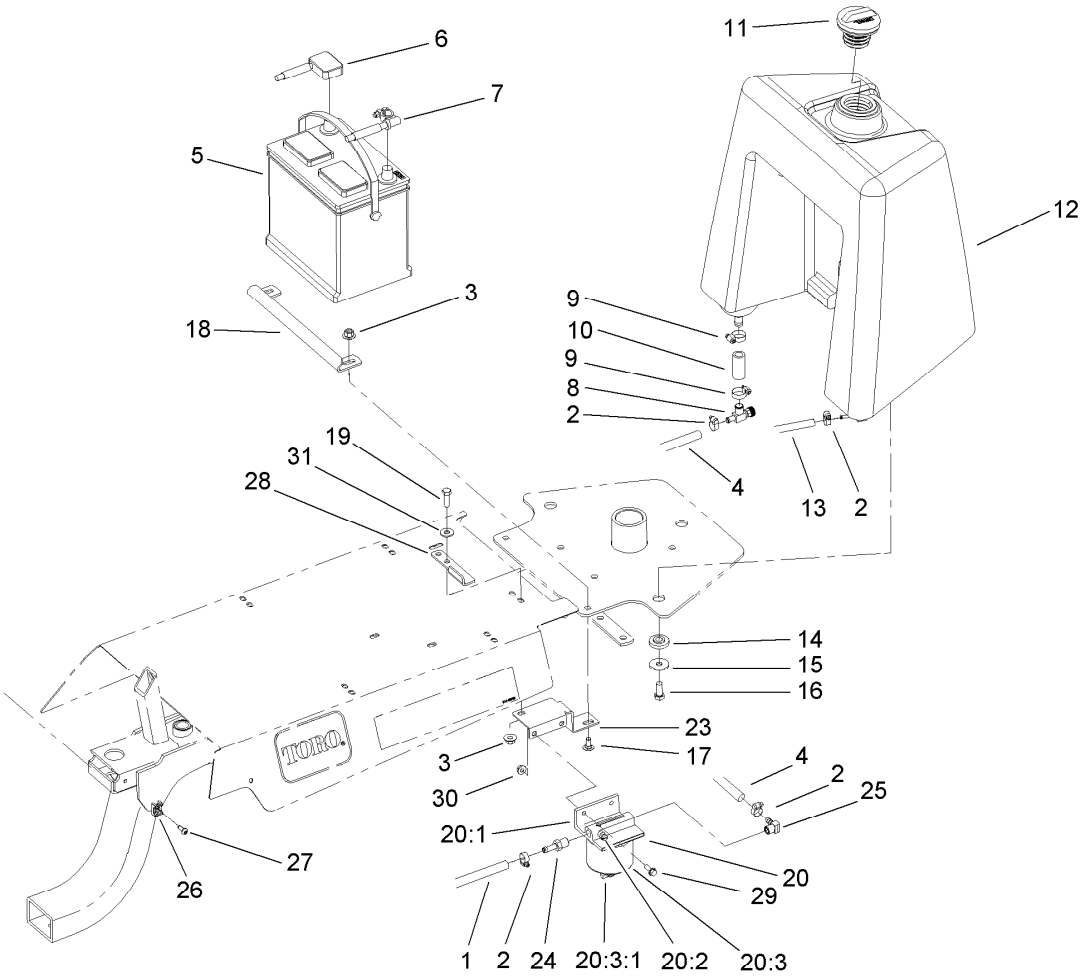



# Castor Fork Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Tire And Wheel ASM ● |
| 1:1 | 106-8133 | 1 | Rim-8 Inch |
| 1:2 | 99-4506 | 1 | Tire |
| 1:3 | 232-27 | 1 | Stem-Valve |
| 2 | | 1 | Hub And Bearing ASM ● |
| 2:1 | 117-8251 | 1 | Hub Assembly |
| 2:1:2 | 114-3918 | 4 | Stud-Wheel |
| 2:1:3 | 254-72 | 2 | Bearing-Cup, Tapered |
| 2:2 | 254-94 | 2 | Bearing-Cone, Tapered |
| 2:3 | 112-1690 | 1 | Seal-Oil |
| 2:4 | 241-119 | 1 | Cap-Dust |
| 2:5 | 242-50 | 4 | Nut-Lug |
| 3 | 115-6655-03 | 1 | Spindle |
| 4 | 3296-23 | 4 | Nut-Lock, NI |
| 5 | 93-6782-01 | 1 | Fork-Wheel, Rear |
| 6 | 3274-93 | 4 | Screw-HSH |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 7 | 3220-3 | 2 | Nut-HJ |
| 8 | 3255-2 | 1 | Washer-Lock / EXT |
| 9 | 75-7730 | 1 | Washer-Thrust |
| 10 | 325-3 | 1 | Screw-HH |
| 11 | 302-5 | 1 | Fitting-Grease |
| 12 | 93-0309 | 1 | Washer-Tab |
| 13 | 3220-7 | 1 | Nut-Jam |
| 14 | 93-0307 | 1 | Nut-Lock, Retainer |
| 15 | 3272-13 | 1 | Pin-Cotter |
| 16 | | 1 | Steering Tube ASM ● |
| 16:1 | | 1 | Tube-Steering ● |
| 16:1:1 | 110-9685-03 | 1 | RH Ball Joint ASM |
| 16:1:2 | 110-9686-03 | 1 | LH Ball Joint ASM |
| 16:1:3 | 3220-12 | 1 | Nut-HJ (LH Thread) |
| 16:1:4 | 3220-5 | 1 | Nut-Jam |
| 16:1:6 | 61-2070-03 | 1 | Tube-Steering |

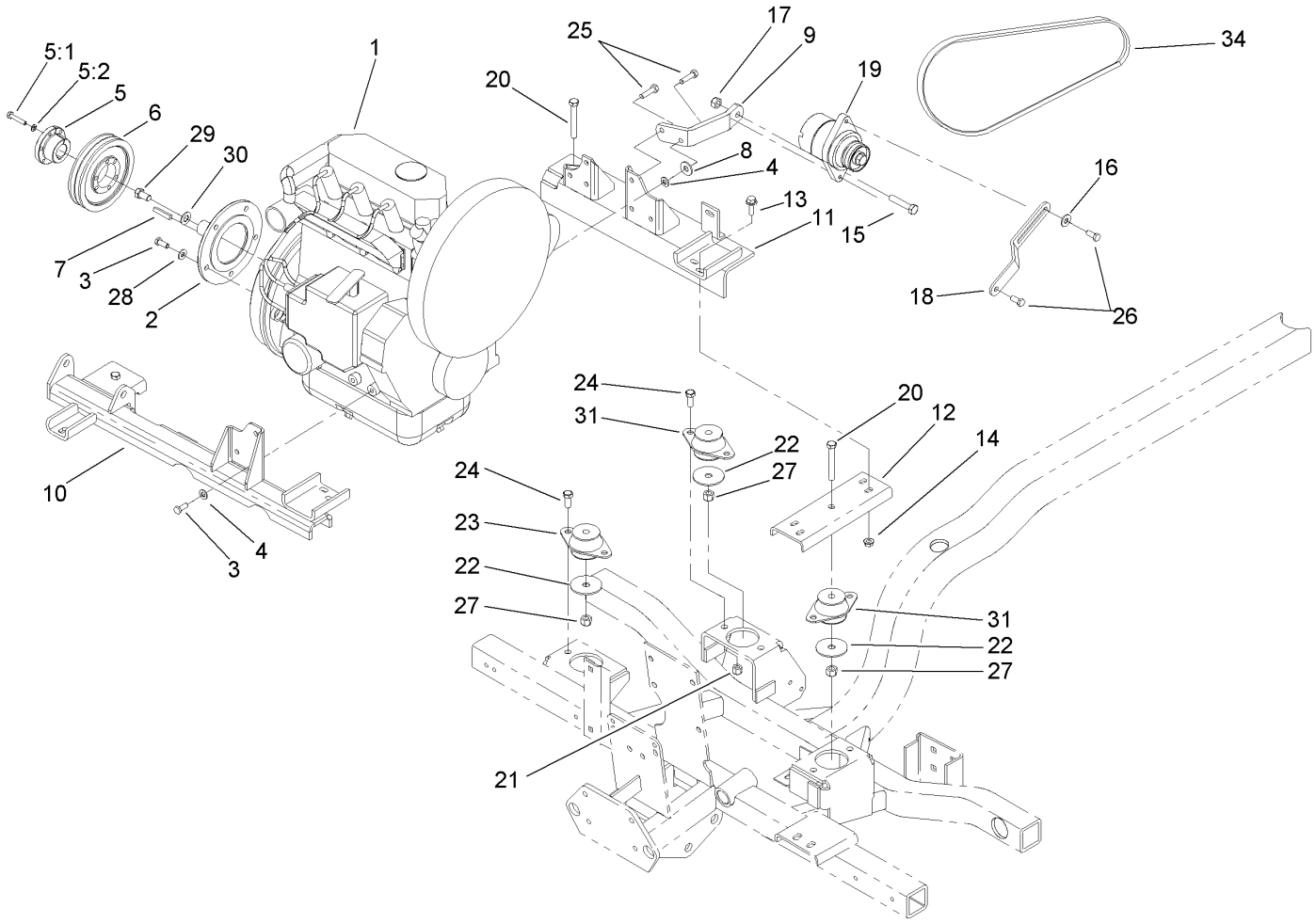
● Not serviced separately




# Fuel Tank and Filter Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 110-8802 | 1 | Hose-Fuel |
| 2 | 2412-108 | 4 | Clamp-Worm |
| 3 | 32128-44 | 4 | Nut |
| 4 | 110-4101 | 1 | Hose-Fuel |
| 5 | 104-9979 | 1 | Battery |
| 6 | 104-4061 | 1 | Cable-Battery, Pos |
| 7 | 94-5980 | 1 | Cable-Battery, Neg |
| 8 | 56-2520 | 1 | Fitting-Shut Off, Fuel |
| 9 | 2412-36 | 2 | Clamp-Hose |
| 10 | 110-8803 | 1 | Hose-Fuel |
| 11 | 93-3102 | 1 | Cap-Fuel |
| 12 | 83-8720 | 1 | Tank-Fuel |
| 13 | 108-3281 | 1 | Hose-Fuel |
| 14 | 240-11 | 3 | Bushing-Flange |
| 15 | 63-8410 | 3 | Washer |
| 16 | 323-5 | 3 | Screw-HH |
| 17 | 3230-1 | 2 | Bolt-CARR |

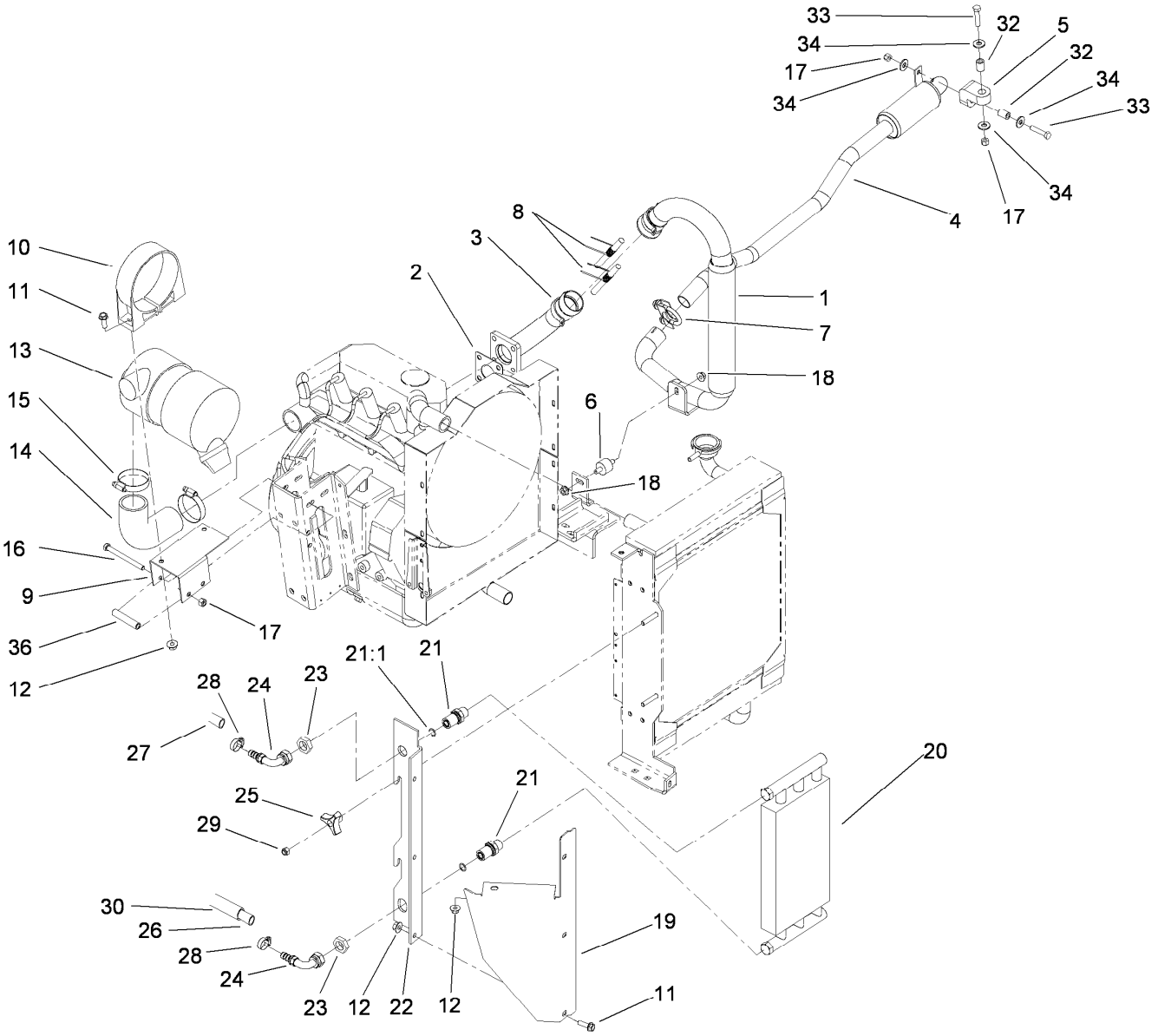
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 83-9240 | 1 | Bracket-Battery |
| 19 | 322-5 | 2 | Screw-HH |
| 20 | 63-7650 | 1 | Separator-Filter / Water |
| 20:1 | 63-8280 | 1 | Head ASM |
| 20:2 | 63-8290 | 1 | Vent-Air |
| 20:3 | 63-8300 | 1 | Element-Spin On |
| 20:3:1 | 63-8310 | 1 | Valve-Drain |
| 23 | 104-3947-01 | 1 | Bracket-Filter, Fuel |
| 24 | 353-783 | 1 | Fitting-Straight |
| 25 | 353-781 | 1 | Fitting-Elbow |
| 26 | 3290-509 | 1 | Tie-Mount |
| 27 | 63-8590 | 1 | Screw |
| 28 | 104-4028-01 | 1 | Bracket-Stop |
| 29 | 3234-4 | 2 | Screw-HHF |
| 30 | 32128-33 | 2 | Nut-HF |
| 31 | 3256-3 | 1 | Washer-Flat |




# Engine Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 106-8143 | 1 | Engine-Diahatsu |
| 2 | 104-3860-03 | 1 | Shaft-Stub, Flywheel |
| 3 | 33114-020 | 16 | Screw-HH |
| 4 | 3256-23 | 12 | Washer-Flat |
| 5 | 61-3340 | 1 | Bushing |
| 5:1 | 321-13 | 3 | Screw-HH |
| 5:2 | 3253-2 | 3 | Washer-Lock |
| 6 | 100-4207 | 1 | Sheave |
| 7 | 67-7490 | 1 | Key-Square |
| 8 | 80-6990 | 1 | Washer-Hardened |
| 9 | 93-2445 | 1 | Bracket-Alternator, Upper |
| 10 | 104-3869-03 | 1 | Frame-Engine, Front |
| 11 | 104-3868-03 | 1 | Frame-Engine, Rear |
| 12 | 104-3870-03 | 1 | Channel-Engine |
| 13 | 3234-29 | 4 | Screw-HHF |
| 14 | 32128-20 | 4 | Nut-HF |
| 15 | 33115-050 | 1 | Screw-HH |

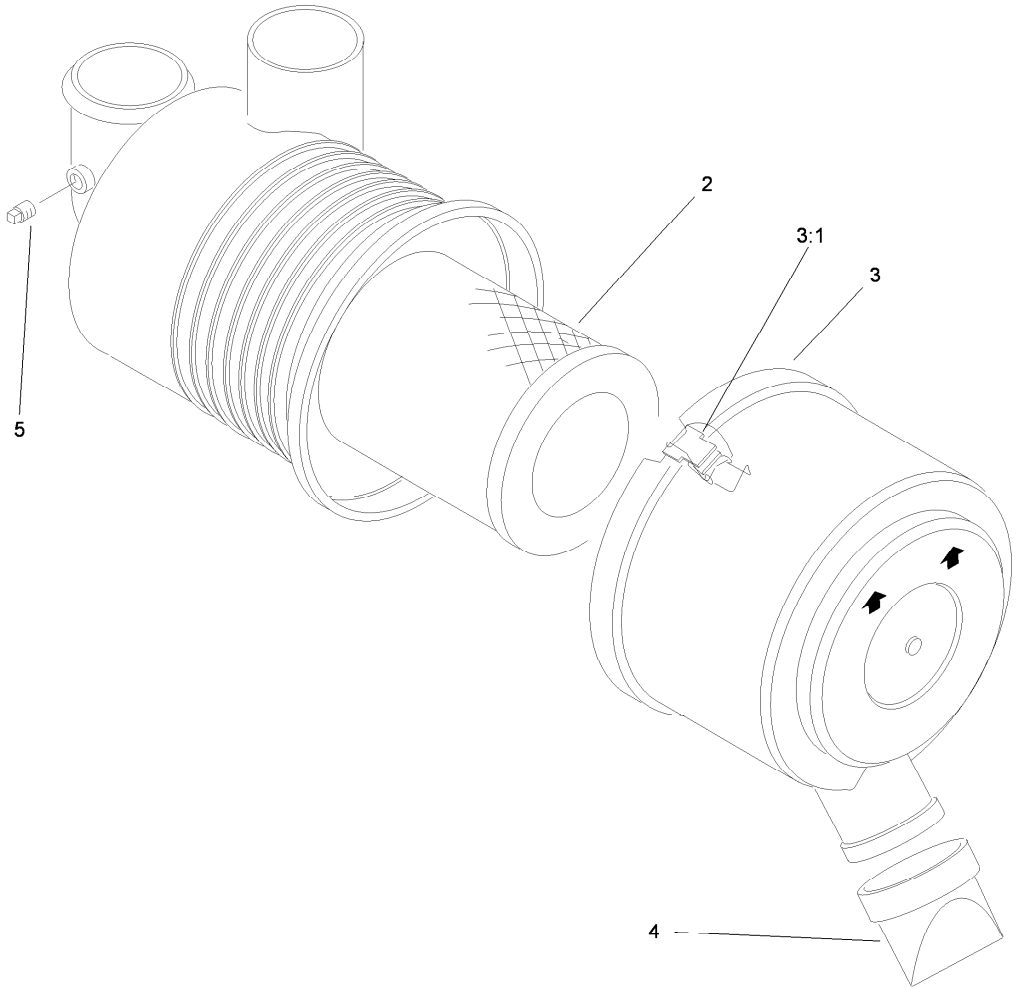
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16 | 3256-3 | 1 | Washer-Flat |
| 17 | 33025-00 | 1 | Nut-Lock |
| 18 | 93-2446 | 1 | Bracket-Alternator, Lower |
| 19 | 99-9209 | 1 | Alternator |
| 20 | 324-11 | 3 | Screw-HH |
| 21 | 3296-39 | 6 | Nut-Lock, NI |
| 22 | 87-5100 | 3 | Washer-Snubbing |
| 23 | 53-9681 | 1 | Mount-Engine |
| 24 | 323-5 | 6 | Screw-HH |
| 25 | 33114-030 | 2 | Screw-HH |
| 26 | 33114-020 | 2 | Screw-HH |
| 27 | 3296-48 | 3 | Nut-Lock, NI |
| 28 | 87-8640 | 5 | Washer-Flat |
| 29 | 3212-2 | 1 | Screw-HH |
| 30 | 3256-25 | 1 | Washer-Flat |
| 31 | 53-9680 | 2 | Mount-Engine |
| 34 | 99-8153 | 1 | Belt-V |




# Muffler, Air Cleaner and Oil Cooler Assembly

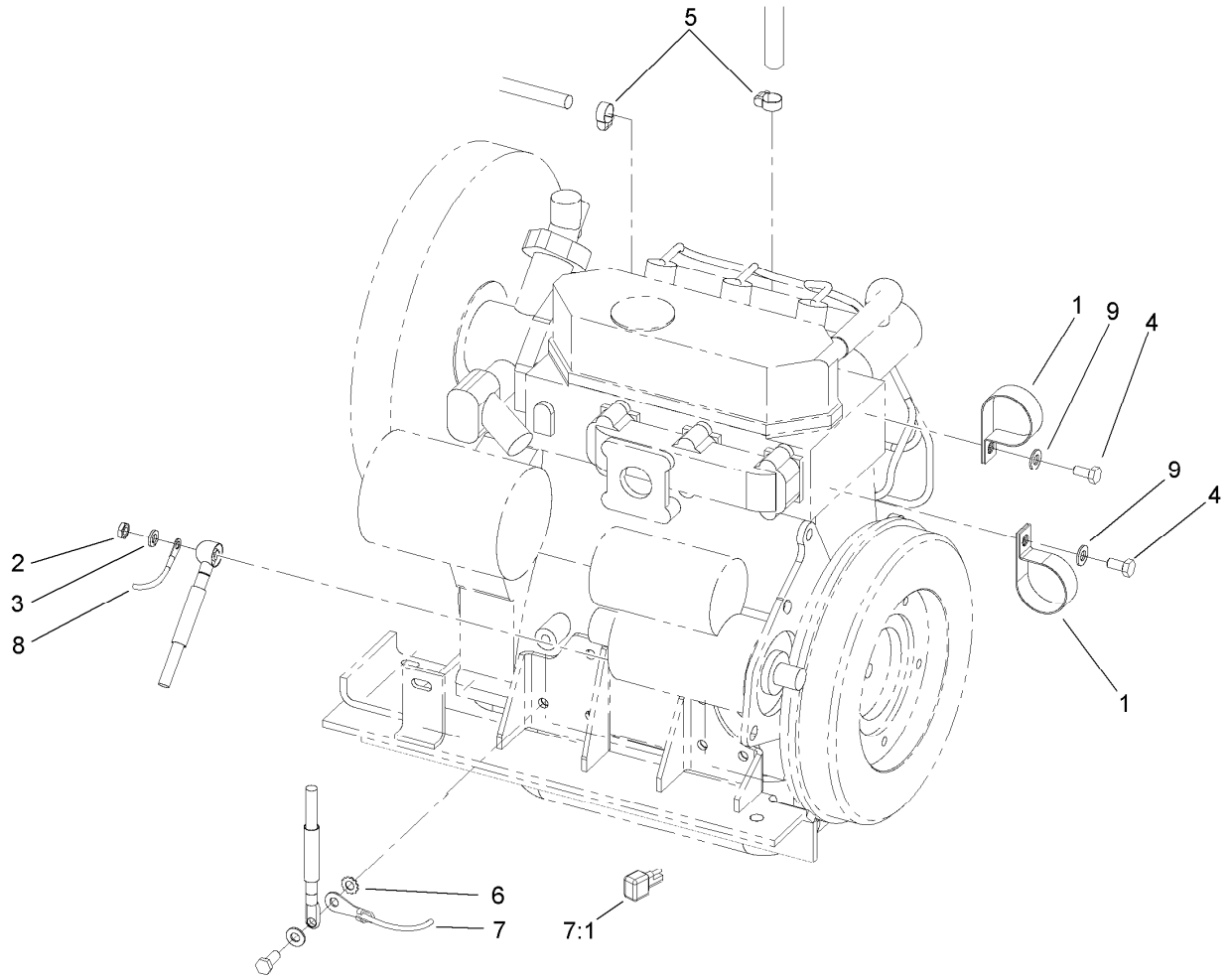
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-4034 | 1 | Muffler |
| 2 | 99-9179 | 1 | Gasket-Exhaust |
| 3 | 104-4035 | 1 | Header-Muffler |
| 4 | 104-4036 | 1 | Tailpipe |
| 5 | 95-5622 | 1 | Hanger-Rubber |
| 6 | 104-4038 | 1 | Isolator-Rubber |
| 7 | 104-4090 | 1 | Clamp-Muffler |
| 8 | 104-6478 | 2 | Spring-Coupler, Exhaust |
| 9 | 104-3884-03 | 1 | Bracket-Cleaner, Air |
| 10 | 95-5806 | 1 | Bracket-Mounting |
| 11 | 3234-17 | 5 | Screw-HHF |
| 12 | 32128-44 | 6 | Nut |
| 13 | 93-2190 | 1 | Air Cleaner ASM |
| 14 | 104-3908 | 1 | Hose-Intake, Air |
| 15 | 2412-130 | 2 | Clamp-Hose |
| 16 | 322-23 | 2 | Screw-HH |
| 17 | 3296-29 | 4 | Nut-Lock, NI |
| 18 | 33004-00 | 2 | Nut-HF |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 83-8210-03 | 1 | Panel-Front, Left |
| 20 | 93-6932 | 1 | Cooler-Oil |
| 21 | 83-7970 | 2 | Connector |
| 21:1 | 237-30 | 1 | O-Ring |
| 22 | 88-6730-03 | 1 | Bracket-Screen, Front |
| 23 | 340-127 | 2 | Nut-Bulkhead |
| 24 | 93-6803 | 2 | Fitting-90 DEG |
| 25 | 73-4740 | 2 | Handle Knob |
| 26 | 104-4004 | 1 | Hose |
| 27 | 93-6805 | 1 | Hose |
| 28 | 2412-36 | 2 | Clamp-Hose |
| 29 | 32153-3 | 2 | Nut-Hex, Side Deform |
| 30 | 93-6933 | 1 | Sleeve-Protective |
| 32 | 93-5023 | 2 | Spacer |
| 33 | 322-7 | 2 | Screw-HH |
| 34 | 3256-3 | 4 | Washer-Flat |
| 36 | 106-8121 | 2 | Spacer |



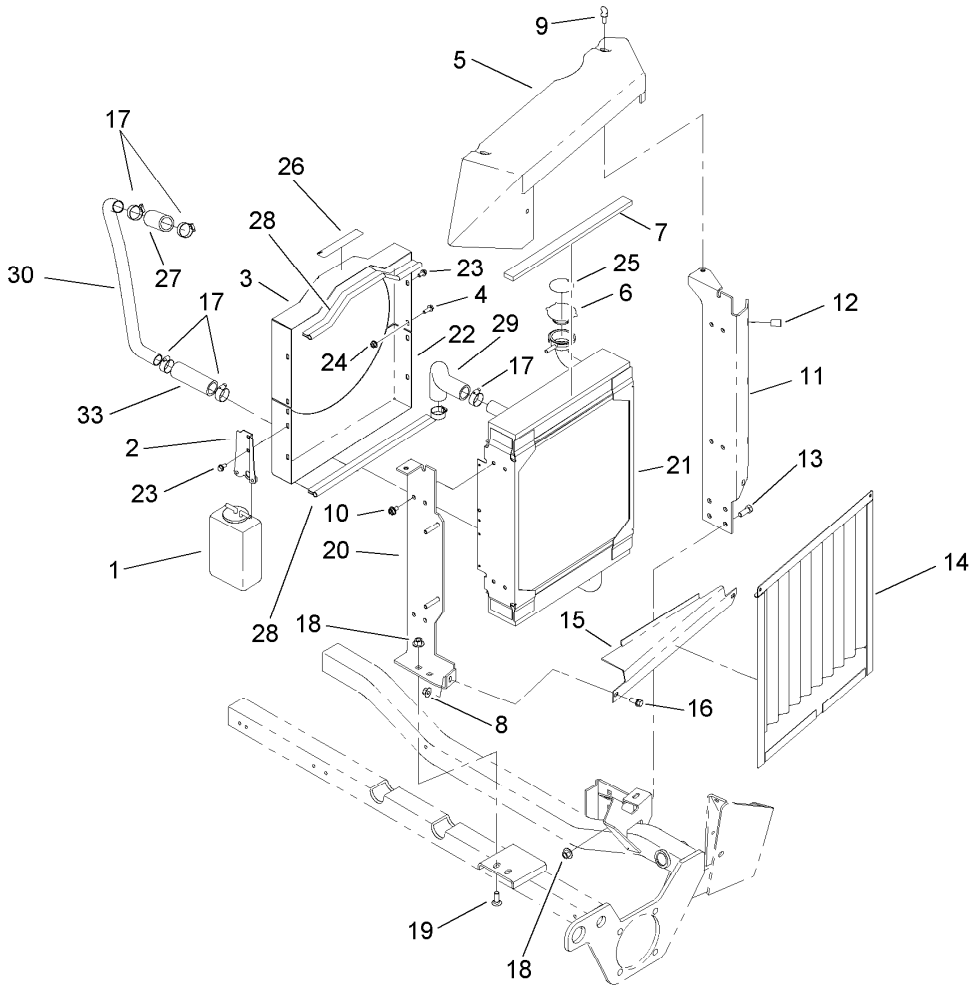

# Air Cleaner Assembly No. 93-2190

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 108-3811 | 1 | Filter-Air |
| 3 | 94-3652 | 1 | Cover ASM |
| 3:1 | 1-643283 | 2 | Latch-Cleaner, Air |
| 4 | 87-9400 | 1 | Valve-Vacuator |
| 5 | 285-17 | 1 | Plug-Pipe |




# Engine Installation Assembly

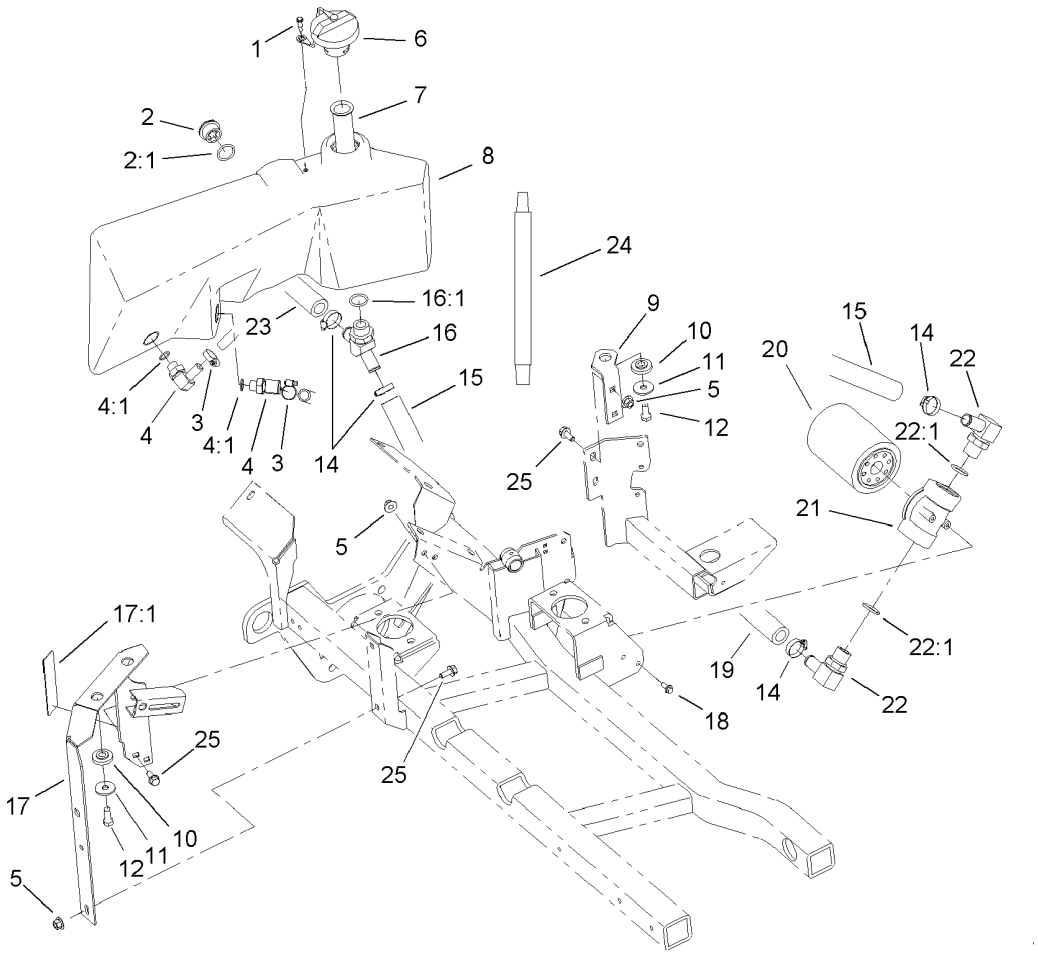
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 2412-96 | 2 | Clamp-R |
| 2 | 57-6390 | 1 | Nut-Jam |
| 3 | 3253-4 | 1 | Washer-Lock |
| 4 | 33114-016 | 2 | Screw-HH |
| 5 | 2412-108 | 2 | Clamp-Worm |
| 6 | 3255-8 | 1 | Washer-Lock |
| 7 | 104-3986 | 1 | Harness-Wire, Engine |
| 7:1 | 100-4918 | 1 | Diode |
| 8 | 99-3441 | 1 | Harness-Wire, Fusible Link |
| 9 | 3256-23 | 2 | Washer-Flat |




# Radiator Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-3930 | 1 | Tank-Radiator, Surge |
| 2 | 104-3931 | 1 | Mounting-Tank, Surge |
| 3 | 104-3944-03 | 1 | Shroud-Radiator, Top |
| 4 | 3234-4 | 2 | Screw-HHF |
| 5 | 83-8040 | 1 | Cover-Left |
| 6 | 66-3240 | 1 | Cap-Radiator |
| 7 | 83-9030 | 1 | Foam-Top |
| 8 | 32128-44 | 2 | Nut |
| 9 | 104-4000 | 2 | Screw-Thumb |
| 10 | 3234-28 | 8 | Screw-HHF |
| 11 | 104-4006-03 | 1 | Rear Radiator Bracket ASM |
| 12 | 32148-8 | 3 | Insert-Threaded |
| 13 | 323-6 | 4 | Screw-HH |
| 14 | 83-8150-03 | 1 | Screen ASM |
| 15 | 83-8070-03 | 1 | Shield-Radiator, Bottom |
| 16 | 3234-5 | 2 | Screw-HHF |

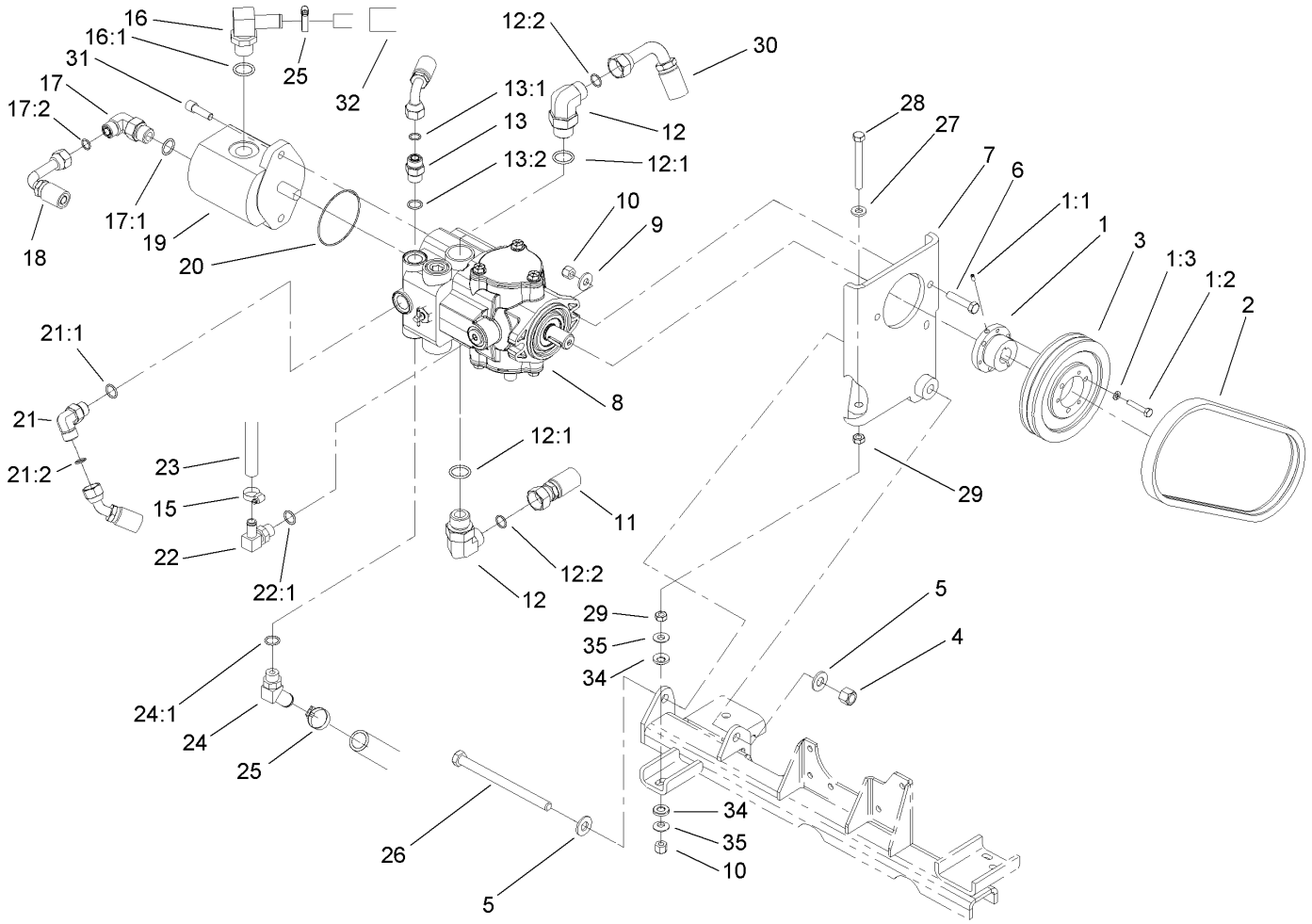
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 2412-34 | 6 | Clamp-Hose |
| 18 | 32128-43 | 6 | Nut-Flange |
| 19 | 3231-22 | 2 | Screw-CARR |
| 20 | 104-4008-03 | 1 | Front Radiator Bracket ASM |
| 21 | 104-3861 | 1 | Radiator ASM |
| 22 | 104-3945-03 | 1 | Shroud-Radiator, Bottom |
| 23 | 32104-116 | 7 | Screw |
| 24 | 32128-33 | 2 | Nut-HF |
| 25 | 106-5976 | 1 | Decal-Warning |
| 26 | 93-7272 | 1 | Decal-Warning |
| 27 | 104-3912 | 1 | Hose-Radiator |
| 28 | 104-4029 | 2 | Seal-Bulb |
| 29 | 104-3911 | 1 | Hose-Radiator, Top |
| 30 | 104-3914-03 | 1 | Tube-Radiator |
| 33 | 104-4068 | 1 | Hose-Radiator |




# Hydraulic Tank and Filter Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 57-5420 | 1 | Screw-Shoulder |
| 2 | 69-1170 | 1 | Glass-Sight |
| 2:1 | 237-81 | 1 | O-Ring |
| 3 | 2412-36 | 2 | Clamp-Hose |
| 4 | 106-8108 | 2 | Fitting-HYD, 90 DEG |
| 4:1 | 237-65 | 1 | O-Ring |
| 5 | 32128-44 | 5 | Nut |
| 6 | 93-7160 | 1 | Cap-Oil, HYD |
| 7 | 61-2790 | 1 | Filter-Screen |
| 8 | 117-4608 | 1 | Tank-Hydraulic |
| 9 | 83-9920 | 1 | Bracket-Tank, HYD |
| 10 | 240-11 | 3 | Bushing-Flange |
| 11 | 63-8410 | 3 | Washer |
| 12 | 323-5 | 3 | Screw-HH |
| 14 | 2412-34 | 4 | Clamp-Hose |

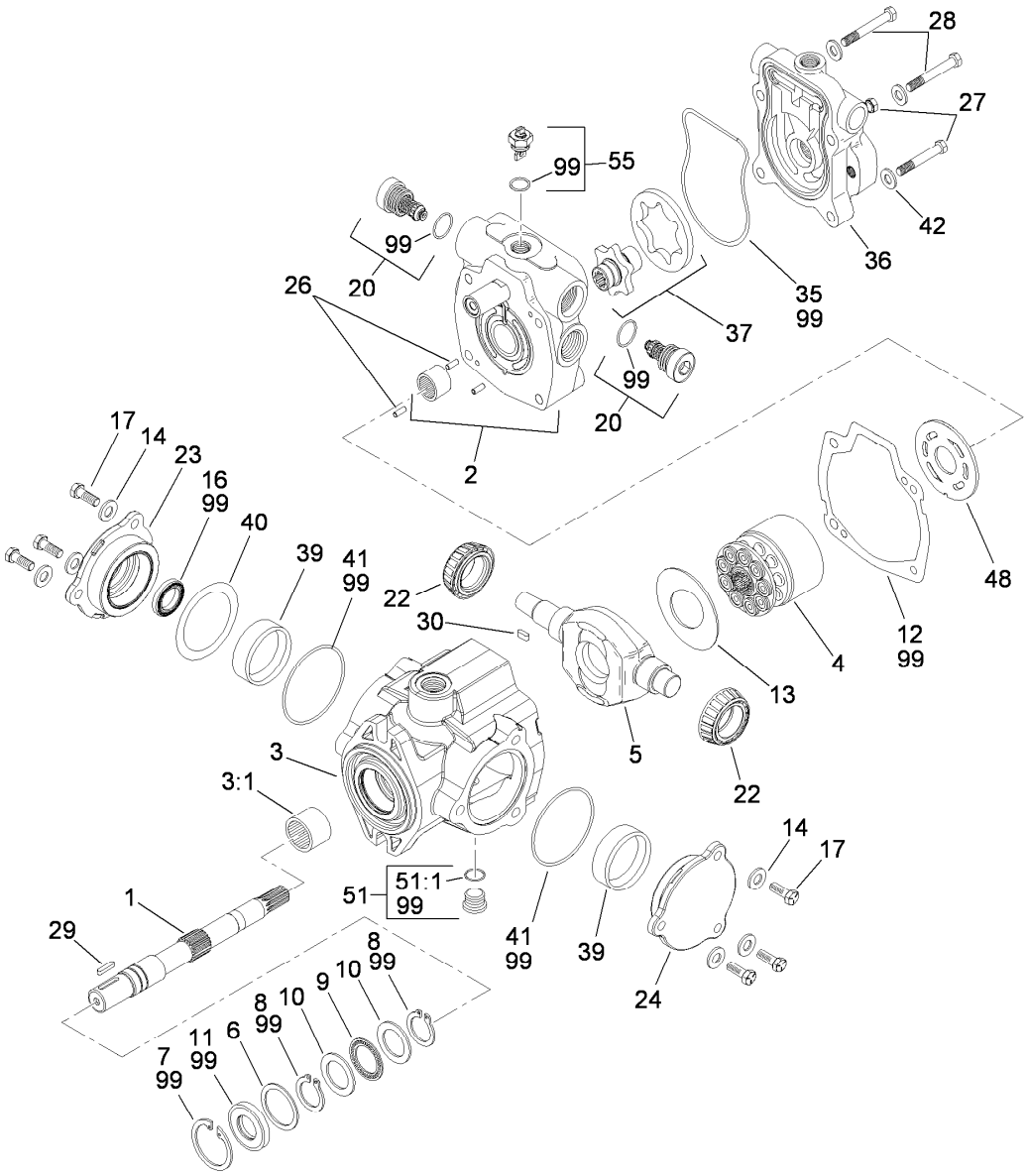
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 15 | 104-4089 | 1 | Hose-Suction |
| 16 | 93-6794 | 1 | Fitting-45 DEG |
| 16:1 | 237-81 | 1 | O-Ring |
| 17 | 104-3980 | 1 | U-Bracket ASM |
| 17:1 | 67-5360 | 1 | Decal-Danger |
| 18 | 3234-33 | 2 | Screw-HHF |
| 19 | 104-4011 | 1 | Hose-Suction |
| 20 | 54-0110 | 1 | Filter-Oil, Transmission |
| 21 | 68-8990 | 1 | Filter Head ASM |
| 22 | 353-987 | 2 | Fitting-HYD, 90 |
| 22:1 | 237-81 | 1 | O-Ring |
| 23 | 93-6857 | 1 | Hose-Suction |
| 24 | 88-9220 | 1 | Plug-Reservior |
| 25 | 3234-5 | 5 | Screw-HHF |




# Hydraulic Pump Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 93-6842 | 1 | Bushing-Lock, Taper |
| 1:1 | 3245-36 | 1 | Screw-Set, HSH |
| 1:2 | 321-13 | 3 | Screw-HH |
| 1:3 | 3253-2 | 3 | Washer-Lock |
| 2 | 93-6840 | 1 | V-Belt |
| 3 | 93-6841 | 1 | Pulley |
| 4 | 3296-23 | 1 | Nut-Lock, NI |
| 5 | 87-7270 | 2 | Washer-Thrust |
| 6 | 323-9 | 2 | Screw-HH |
| 7 | 104-3898-03 | 1 | Pump Support ASM |
| 8 | 104-3874 | 1 | Pump-Piston, HYD |
| 9 | 80-6990 | 2 | Washer-Hardened |
| 10 | 3296-39 | 3 | Nut-Lock, NI |
| 11 | 104-3999 | 1 | Hose ASM |
| 12 | 340-139 | 2 | Fitting-HYD, 90 DEG |
| 12:1 | 237-81 | 1 | O-Ring |
| 12:2 | 237-65 | 1 | O-Ring |
| 13 | 340-4 | 1 | Fitting-HYD, Straight |
| 13:1 | 237-30 | 1 | O-Ring |
| 13:2 | 237-79 | 1 | O-Ring |
| 15 | 2412-36 | 1 | Clamp-Hose |
| 16 | 353-987 | 1 | Fitting-HYD, 90 |
| 16:1 | 237-81 | 1 | O-Ring |
| 17 | 340-105 | 1 | Fitting-HYD, 90 DEG |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17:1 | 237-80 | 1 | O-Ring |
| 17:2 | 237-30 | 1 | O-Ring |
| 18 | 104-4003 | 1 | Hose ASM |
| 19 | 106-8130 | 1 | Pump-Drive, Reel |
| 20 | 353-949 | 1 | O-Ring |
| 21 | 340-98 | 1 | Fitting-HYD, 90 DEG |
| 21:1 | 237-79 | 1 | O-Ring |
| 21:2 | 237-30 | 1 | O-Ring |
| 22 | 93-6795 | 1 | Fitting-90 DEG |
| 22:1 | 237-79 | 1 | O-Ring |
| 23 | 104-4059 | 1 | Hose-Return |
| 24 | 93-6848 | 1 | Fitting-HYD |
| 24:1 | 237-79 | 1 | O-Ring |
| 25 | 2412-34 | 2 | Clamp-Hose |
| 26 | 325-33 | 1 | Screw-HH |
| 27 | 100-4852 | 1 | Washer-Hardened |
| 28 | 323-49 | 1 | Bolt-TAP |
| 29 | 3217-7 | 2 | Nut-Hex |
| 30 | 104-3998 | 1 | Hose ASM |
| 31 | 3274-7 | 2 | Screw-HSH |
| 32 | 94-3688 | 1 | Sleeve-Protective |
| 34 | 104-4067 | 2 | Washer |
| 35 | 104-4066 | 2 | Washer |

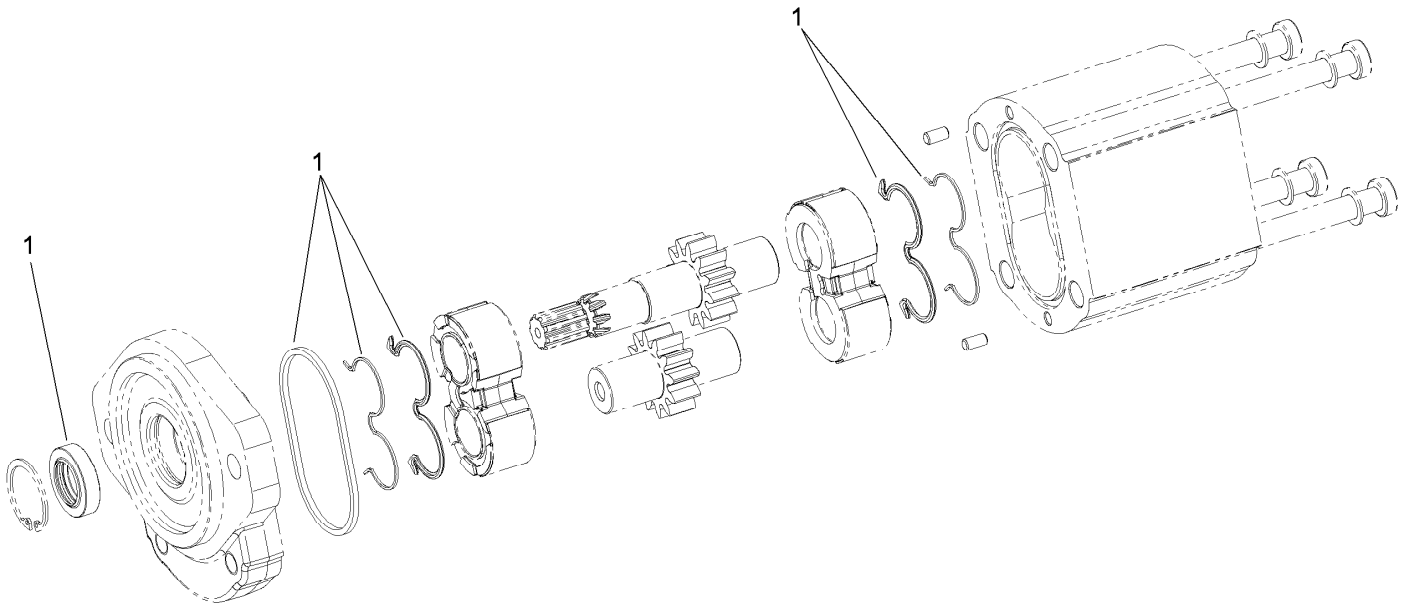



# Hydraulic Pump Assembly No. 104-3874

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 94-3642 | 1 | Shaft-Drive |
| 2 | 104-4047 | 1 | Endcover ASM |
| 3 | 100-3176 | 1 | Housing ASM |
| 3:1 | 94-6363 | 1 | Bearing |
| 4 | 76-6070 | 1 | Rotating Kit |
| 5 | 100-3175 | 1 | Camplate |
| 6 | 33-3720 | 1 | Washer |
| 7 | 32151-13 | 1 | Ring-Retaining |
| 8 | 32151-29 | 2 | Ring-Retaining |
| 9 | 252-66 | 1 | Bearing-Thrust |
| 10 | 252-71 | 2 | Washer-Thrust |
| 11 | 104-4861 | 1 | Seal-Shaft |
| 12 | 33-4930 | 1 | Gasket-Housing |
| 13 | 98-4635 | 1 | Insert-Plate, Cam |
| 14 | 105-9762 | 6 | Washer |
| 16 | 76-6190 | 1 | Seal-Shaft |
| 17 | 98-4640 | 6 | Screw-Cap |
| 20 | 105-3812 | 2 | Valve-Check |
| 22 | 98-4639 | 2 | Bearing-Cone |

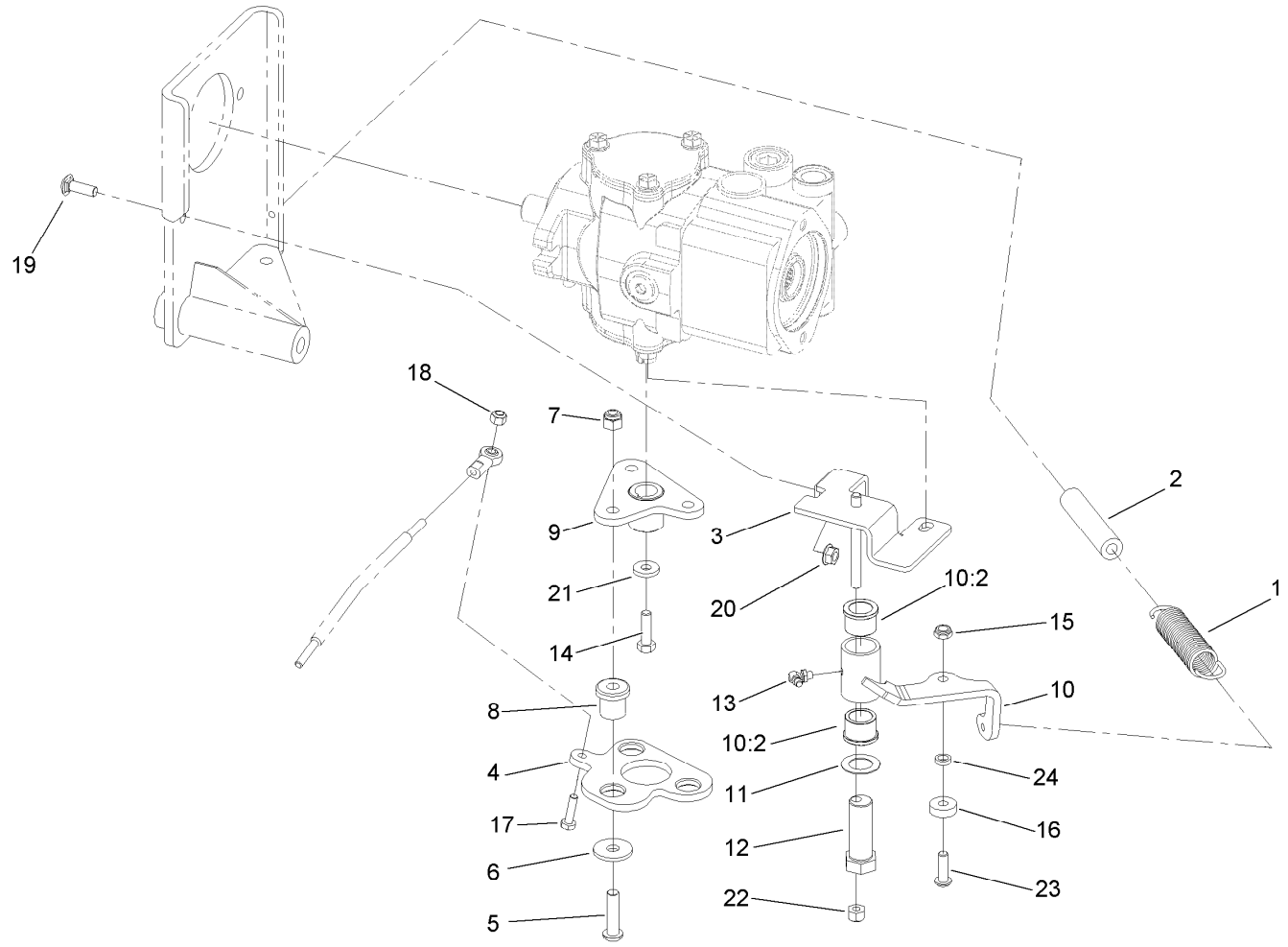
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 23 | 98-4645 | 1 | Plate-Cover |
| 24 | 98-4644 | 1 | Plate-Cover |
| 26 | 76-6150 | 2 | Pin-Dowel |
| 27 | 104-4042 | 2 | Screw-Cap |
| 28 | 104-4043 | 2 | Screw-Cap |
| 29 | 94-3645 | 1 | Key |
| 30 | 94-3646 | 1 | Key |
| 35 | 104-4044 | 1 | O-Ring |
| 36 | 104-4045 | 1 | Charge Pump Adapter ASM |
| 37 | 94-3648 | 1 | Gerotor And Coupler ASM |
| 39 | 104-4046 | 2 | Bearing-Cup |
| 40 | 100-3182 | 2 | Shim Kit |
| 41 | 100-3179 | 2 | O-Ring |
| 42 | 104-4048 | 4 | Washer |
| 48 | 104-4049 | 1 | Plate-Valve |
| 51 | 74-9280 | 1 | Plug ASM |
| 51:1 | | 1 | O-Ring ● |
| 55 | 105-3811 | 1 | Valve-Bypass |
| 99 | 119-2007 | 1 | Seal Kit |

● Not serviced separately




# Gear Pump Assembly No. 106-8130

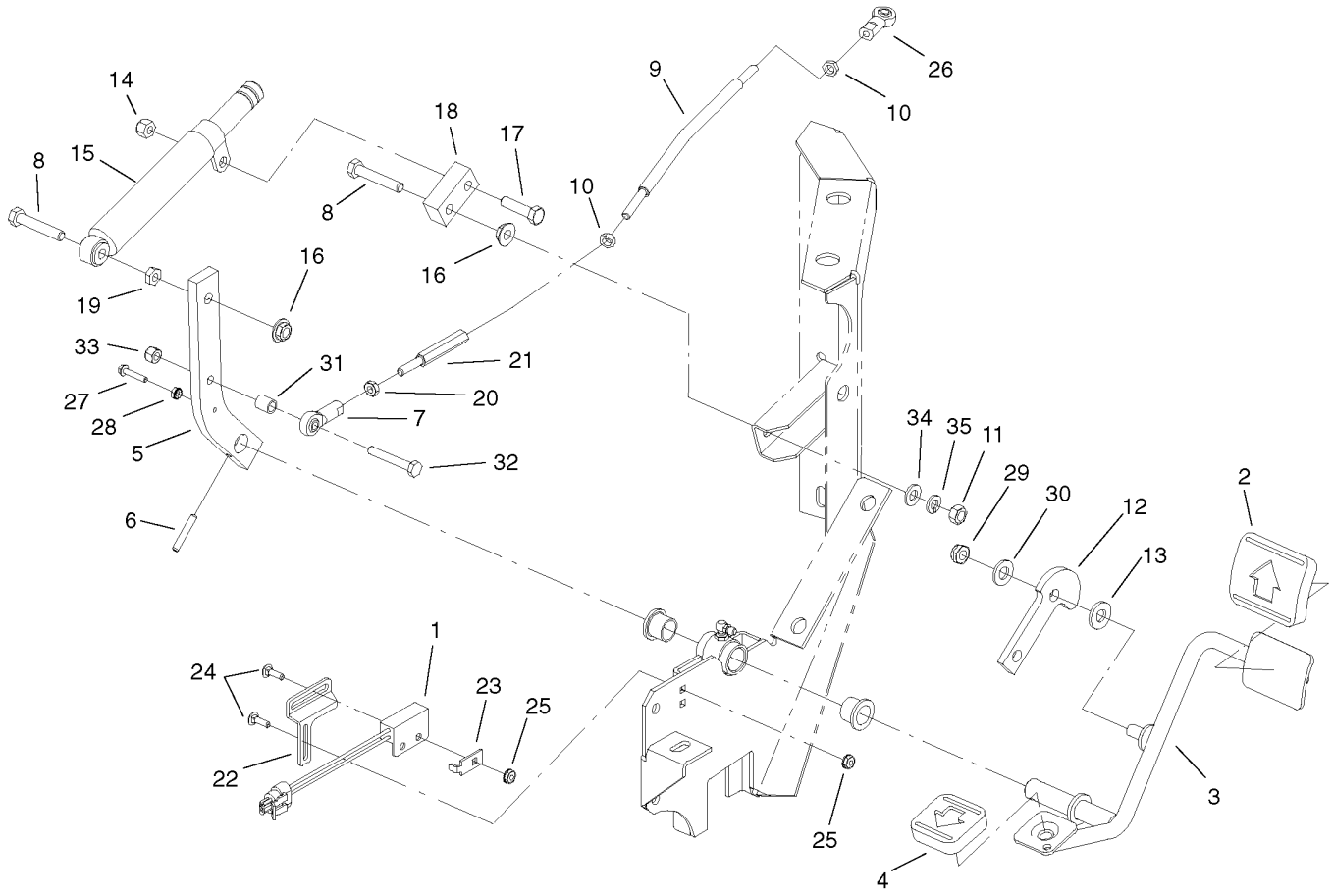
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 106-8135 | 1 | Seal Kit |




# Pump Mount Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 94-1369 | 1 | Spring-Extension |
| 2 | 99-3556 | 1 | Hose |
| 3 | 104-3918-03 | 1 | Bracket ASM |
| 4 | 104-3917-03 | 1 | Lever-Pump |
| 5 | 95-3857 | 3 | Screw-HSBH |
| 6 | 2844 | 3 | Washer |
| 7 | 3296-39 | 3 | Nut-Lock, NI |
| 8 | 63-9750 | 3 | Mount |
| 9 | 99-3598-03 | 1 | Hub ASM |
| 10 | 104-0422 | 1 | Neutral Arm ASM |
| 10:2 | 256-113 | 2 | Bushing-Flange |
| 11 | 3-6498 | 1 | Washer-Thrust |
| 12 | 76-8640 | 1 | Stud-Traction |

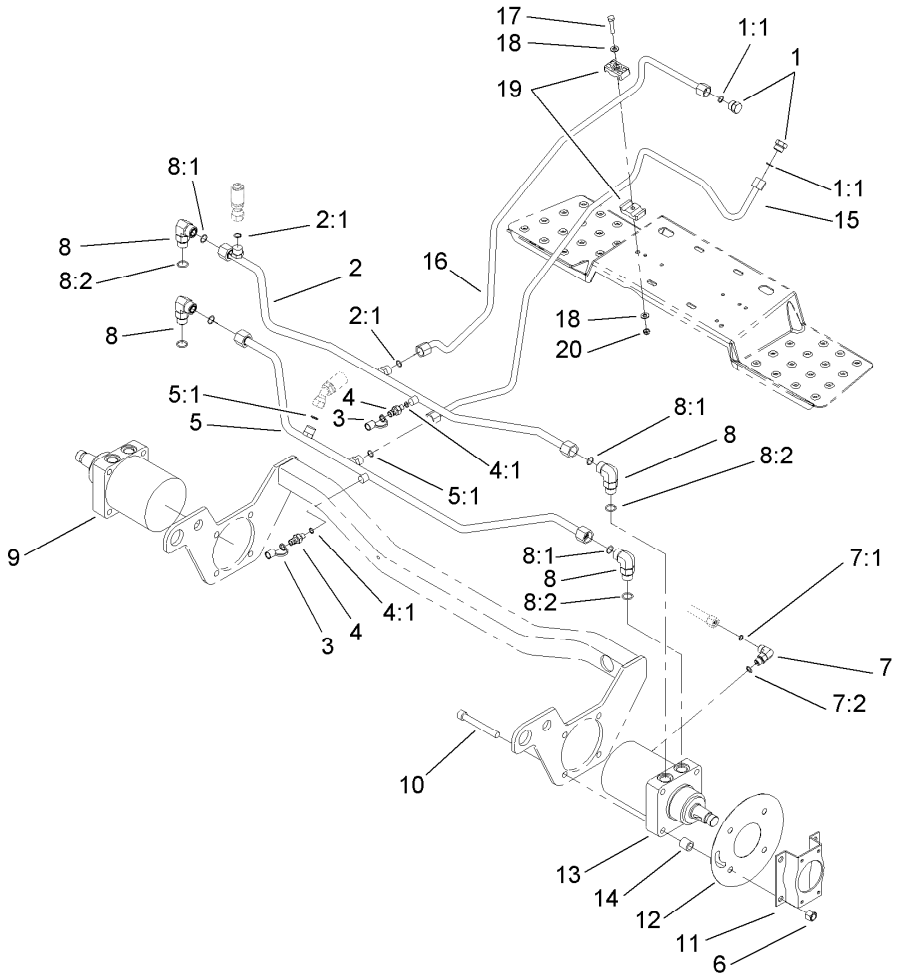
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13 | 302-60 | 1 | Fitting-Grease |
| 14 | 3210-6 | 1 | Screw-HH |
| 15 | 3296-47 | 1 | Nut-Lock, NI |
| 16 | 251-259 | 1 | Bearing-Ball |
| 17 | 321-6 | 1 | Screw-HH |
| 18 | 3296-42 | 1 | Nut-Lock, NI |
| 19 | 3230-22 | 1 | Screw-CARR |
| 20 | 32128-20 | 1 | Nut-HF |
| 21 | 88-7200 | 1 | Washer-Flat |
| 22 | 3296-29 | 1 | Nut-Lock, NI |
| 23 | 3274-104 | 1 | Screw-HSBH |
| 24 | 100-4817 | 1 | Spacer-Bearing |




# Traction Control Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 105-0023 | 1 | Switch-Proximity |
| 2 | 74-9100 | 1 | Pad-Pedal, Forward |
| 3 | 104-3938-03 | 1 | Traction Pedal ASM |
| 4 | 74-9110 | 1 | Pad-Pedal, Reverse |
| 5 | 104-3939 | 1 | Arm-Traction |
| 6 | 32121-6 | 1 | Pin-Roll, Slotted |
| 7 | 104-4013 | 1 | Joint-Ball, LH |
| 8 | 322-9 | 2 | Screw-HH |
| 9 | 104-3977 | 1 | Rod-Control, Pump |
| 10 | 3220-1 | 2 | Nut-Jam |
| 11 | 3217-6 | 1 | Nut-Hex |
| 12 | 74-6110 | 1 | Stop-Traction |
| 13 | 66-2920 | 1 | Washer-Friction |
| 14 | 3296-29 | 1 | Nut-Lock, NI |
| 15 | 76-8870 | 1 | Lever Damper ASM |
| 16 | 32128-44 | 2 | Nut |
| 17 | 322-6 | 1 | Screw-HH |
| 18 | 76-9760 | 1 | Damper-Pivot |

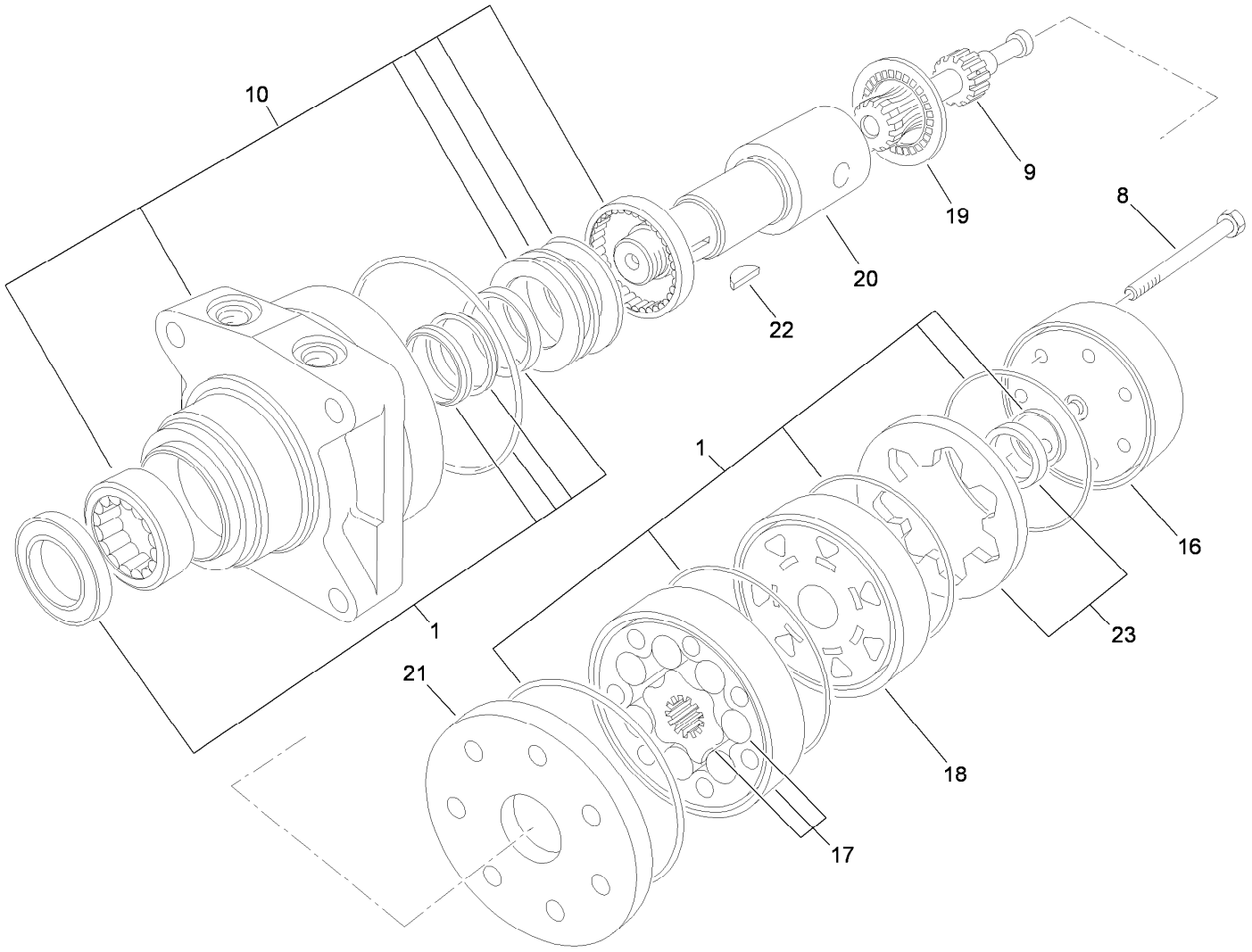
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 3218-2 | 1 | Nut-Jam |
| 20 | 104-3941 | 1 | Nut-Jam |
| 21 | 104-3978 | 1 | Nut-Rod |
| 22 | 104-3979 | 1 | Bracket-Switch |
| 23 | 100-4872 | 1 | Plate-Switch, Neutral |
| 24 | 3229-34 | 3 | Screw-CARR |
| 25 | 32149-7 | 3 | Nut-Keps |
| 26 | 2411-41 | 1 | Rod End-Ball Joint |
| 27 | 32105-29 | 1 | Screw-SHWH |
| 28 | 32149-9 | 1 | Nut-Hex,Keps |
| 29 | 3296-59 | 1 | Nut-Lock, NI |
| 30 | 3256-24 | 1 | Washer-Flat |
| 31 | 93-6859 | 1 | Spacer |
| 32 | 321-10 | 1 | Screw-HH |
| 33 | 3296-42 | 1 | Nut-Lock, NI |
| 34 | 3256-23 | 1 | Washer-Flat |
| 35 | 3253-4 | 1 | Washer-Lock |




# Hydraulic Motor Installation Assembly

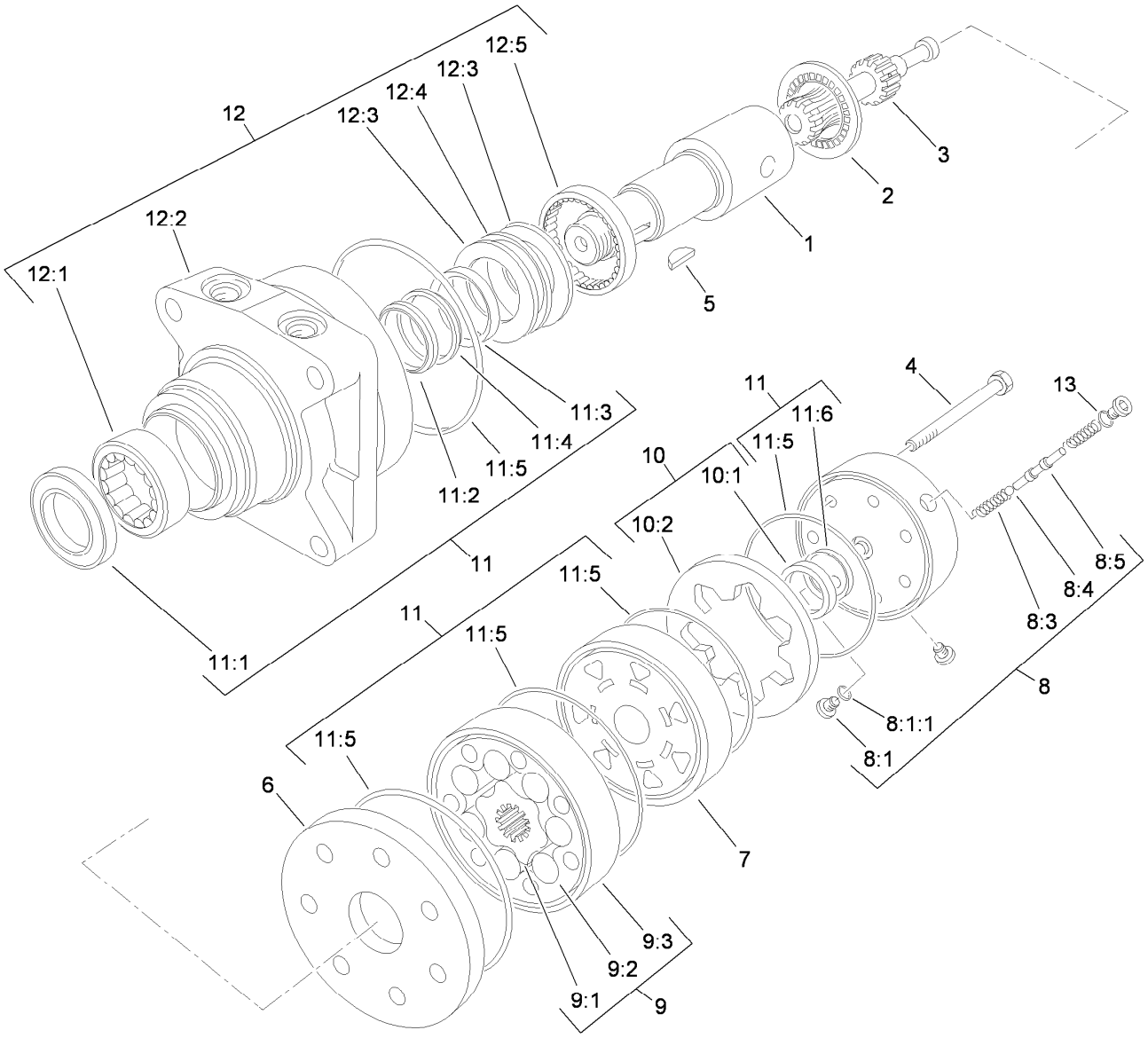
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 106-8100 | 2 | Plug-HYD |
| 1:1 | 237-79 | 1 | O-Ring |
| 2 | 104-3984 | 1 | Front Tube ASM |
| 2:1 | 237-30 | 2 | O-Ring |
| 3 | 354-79 | 2 | Cap-Dust |
| 4 | 354-77 | 2 | Fitting-Quick |
| 4:1 | 237-78 | 1 | O-Ring |
| 5 | 104-3983 | 1 | Rear Tube ASM |
| 5:1 | 237-30 | 2 | O-Ring |
| 6 | 3296-23 | 8 | Nut-Lock, NI |
| 7 | 340-77 | 1 | Fitting-HYD, 90 DEG |
| 7:1 | 237-22 | 1 | O-Ring |
| 7:2 | 237-42 | 1 | O-Ring |
| 8 | 340-17 | 4 | Fitting-HYD, 90 DEG |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 8:1 | 237-65 | 1 | O-Ring |
| 8:2 | 237-80 | 1 | O-Ring |
| 9 | 75-9990 | 1 | HYD Motor ASM |
| 10 | 3274-99 | 8 | Screw-HSH |
| 11 | 84-2000-03 | 2 | Bracket-Brake |
| 12 | 93-6905-03 | 2 | Shield-Wheel |
| 13 | 93-6888 | 1 | Motor-Wheel |
| 14 | 94-5135 | 8 | Spacer |
| 15 | 106-8112 | 1 | Tube-HYD |
| 16 | 106-8113 | 1 | Tube-HYD |
| 17 | 322-10 | 1 | Screw-HH |
| 18 | 3256-23 | 2 | Washer-Flat |
| 19 | 56-7976 | 2 | Clamp-Tube |
| 20 | 3296-29 | 1 | Nut-Lock, NI |




# Hydraulic Motor Assembly No. 75-9990

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 76-0800 | 1 | Seal Kit |
| 8 | 76-1010 | 7 | Screw |
| 9 | 76-0960 | 1 | Link-Drive |
| 10 | 76-0810 | 1 | Housing ASM |
| 16 | 76-0940 | 1 | End Cover ASM |
| 17 | 76-0970 | 1 | Rotor Set |
| 18 | 76-0840 | 1 | Manifold |
| 19 | 76-0850 | 1 | Bearing-Thrust |
| 20 | 76-0860 | 1 | Shaft-Coupling |
| 21 | 76-0870 | 1 | Plate-Wear |
| 22 | 3257-42 | 1 | Key-Woodruff |
| 23 | 76-0880 | 1 | Commutator ASM |

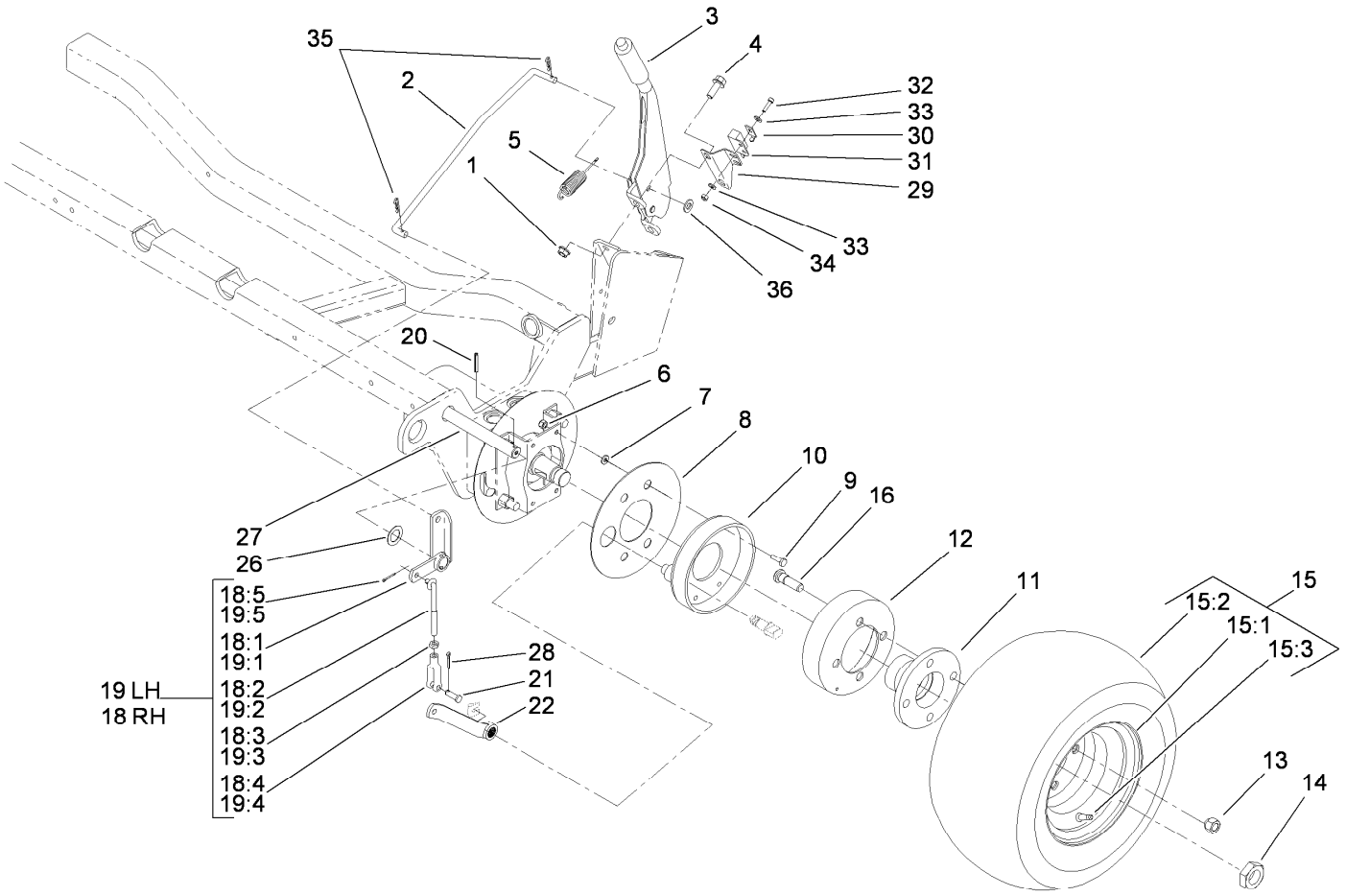



# Hydraulic Motor Assembly No. 93-6888

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 76-0860 | 1 | Shaft-Coupling |
| 2 | 76-0850 | 1 | Bearing-Thrust |
| 3 | 76-0960 | 1 | Link-Drive |
| 4 | 94-3662 | 7 | Screw-Cap, HH |
| 5 | 3257-42 | 1 | Key-Woodruff |
| 6 | 76-0870 | 2 | Plate-Wear |
| 7 | 76-0840 | 1 | Manifold |
| 8 | 76-0890 | 1 | End Cover ASM |
| 8:1 | 353-990 | 2 | Plug |
| 8:1:1 | 237-78 | 1 | O-Ring |
| 8:3 | | 2 | Spring ● |
| 8:4 | | 1 | Ball ● |
| 8:5 | | 1 | Valve-Shuttle ● |
| 9 | 76-0970 | 1 | Rotor Set |
| 9:1 | | 1 | Rotor ● |
| 9:2 | | 7 | Vane ● |
| 9:3 | | 1 | Stator ● |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 76-0880 | 1 | Commutator ASM |
| 10:1 | | 1 | Commutator ● |
| 10:2 | | 1 | Ring-Commutator ● |
| 11 | 76-0800 | 1 | Seal Kit |
| 11:1 | | 1 | Seal-Dirt And Water ● |
| 11:2 | | 1 | Backup-Ring ● |
| 11:3 | | 1 | Seal-Shaft ● |
| 11:4 | | 1 | Washer-Back Up ● |
| 11:5 | | 5 | Seal-Square, Ring (Inner) ● |
| 11:6 | | 1 | Seal-Commutator ● |
| 12 | 76-0810 | 1 | Housing ASM |
| 12:1 | | 1 | Bearing ● |
| 12:2 | | 1 | Housing ● |
| 12:3 | | 2 | Washer-Thrust ● |
| 12:4 | | 1 | Bearing-Thrust ● |
| 12:5 | | 1 | Bearing ● |
| 13 | 237-78 | 2 | O-Ring |

● Not serviced separately

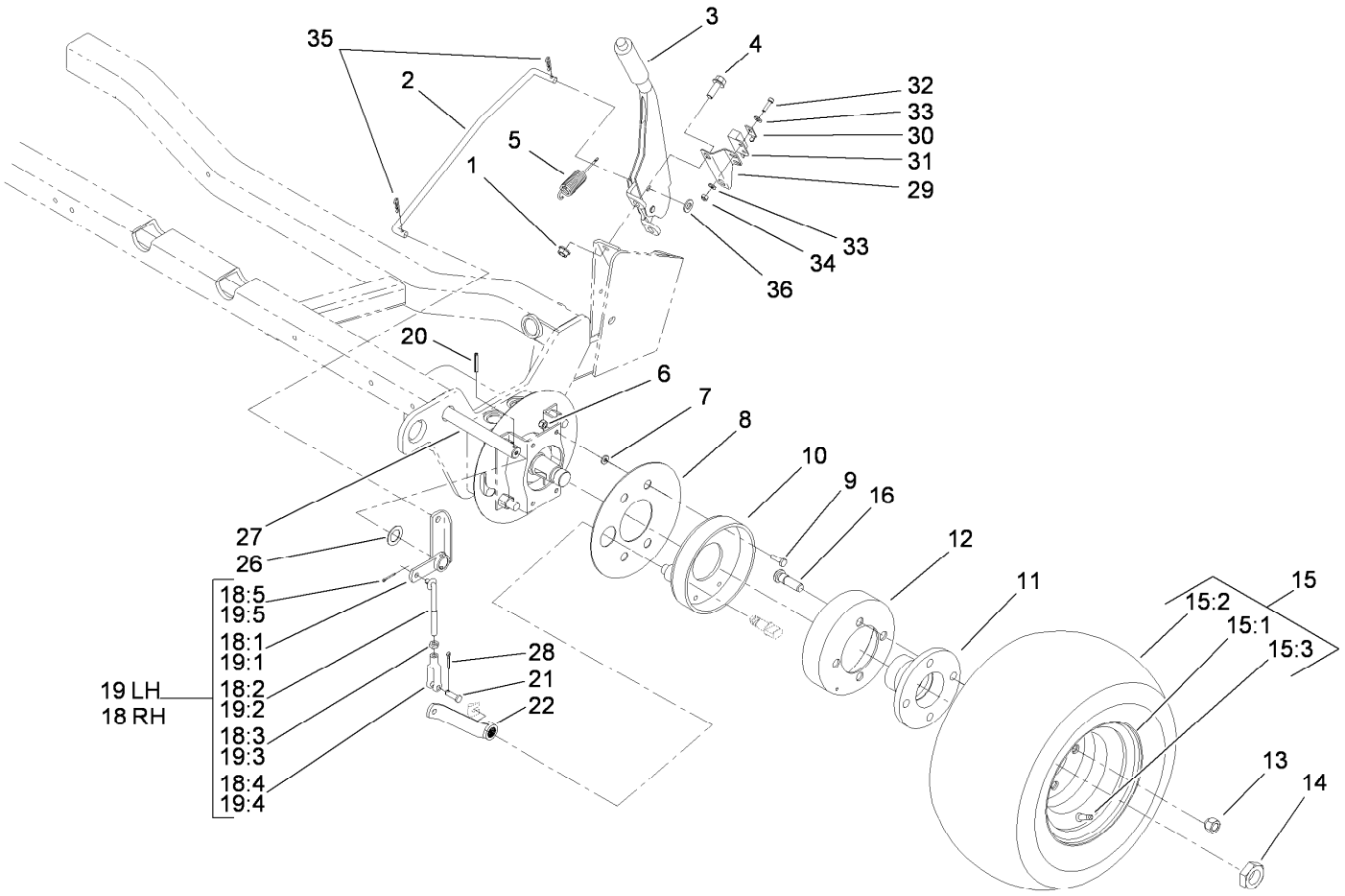



# Front Wheel and Brake Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3290-357 | 2 | Nut-HHF, Whiz |
| 2 | 104-3907 | 1 | Rod-Brake |
| 3 | 104-3903 | 1 | Lever-Brake, Parking |
| 4 | 3234-11 | 2 | Screw-HHF |
| 5 | 104-4010 | 1 | Spring-Extension |
| 6 | 3296-42 | 8 | Nut-Lock, NI |
| 7 | 3256-16 | 8 | Washer-Flat |
| 8 | 83-9340 | 2 | Shield-Brake, Grass |
| 9 | 321-5 | 8 | Screw-HH |
| 10 | 104-7705 | 2 | Brake ASM |
| 11 | 93-6838-03 | 2 | Hub-Wheel |
| 12 | 10-6850 | 2 | Drum-Brake |
| 13 | 242-50 | 8 | Nut-Lug |
| 14 | 26-3790 | 2 | Nut-Lock |
| 15 | | 2 | Front Tire And Wheel ASM ● |
| 15:1 | 93-6881 | 1 | Rim ASM |
| 15:2 | 99-4506 | 1 | Tire |
| 15:3 | 232-27 | 1 | Stem-Valve |
| 16 | 85-6540 | 8 | Stud-Drive |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 115-6673 | 1 | Brake Lever ASM |
| 18:1 | 83-9310 | 1 | RH Brake Lever ASM |
| 18:2 | 84-1990 | 1 | Rod-Adjusting |
| 18:3 | 3220-2 | 1 | Nut-Jam |
| 18:4 | 1-303105 | 1 | Yoke-Adjustable |
| 18:5 | 3272-6 | 1 | Pin-Cotter |
| 19 | 115-6674 | 1 | Brake Lever ASM |
| 19:1 | 104-3928 | 1 | LH Brake Lever ASM |
| 19:2 | 84-1990 | 1 | Rod-Adjusting |
| 19:3 | 3220-2 | 1 | Nut-Jam |
| 19:4 | 1-303105 | 1 | Yoke-Adjustable |
| 19:5 | 3272-6 | 1 | Pin-Cotter |
| 20 | 32121-6 | 2 | Pin-Roll, Slotted |
| 21 | 283-1 | 2 | Pin-Clevis |
| 22 | 114-2726 | 2 | Lever-Brake |
| 26 | 3-6498 | 2 | Washer-Thrust |
| 27 | 83-9330 | 1 | Shaft-Brake |
| 28 | 3272-10 | 2 | Pin-Cotter |
| 29 | 104-4052-03 | 1 | Bracket-Switch, Brake |

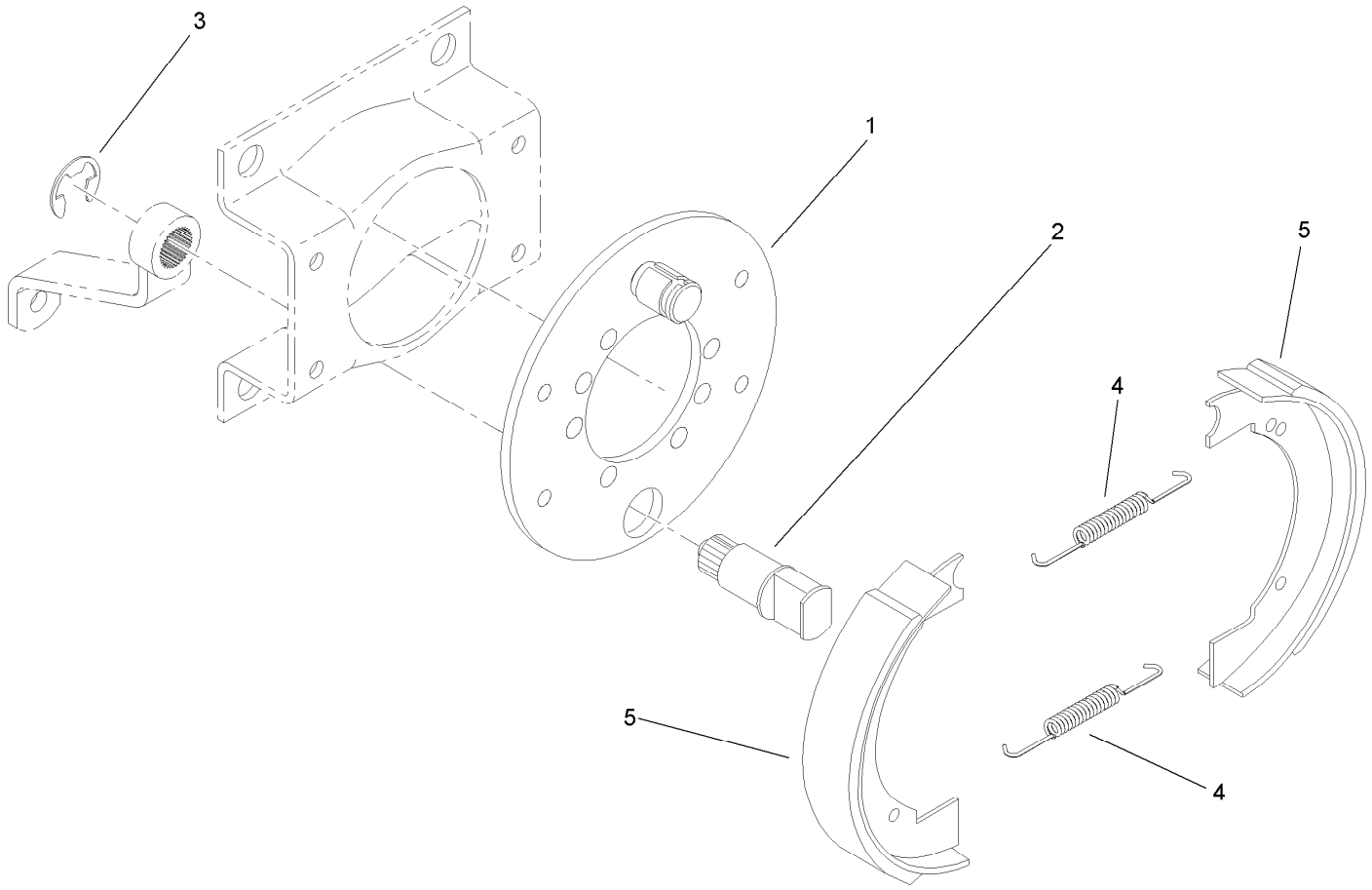
● Not serviced separately




# Front Wheel and Brake Assembly (continued)

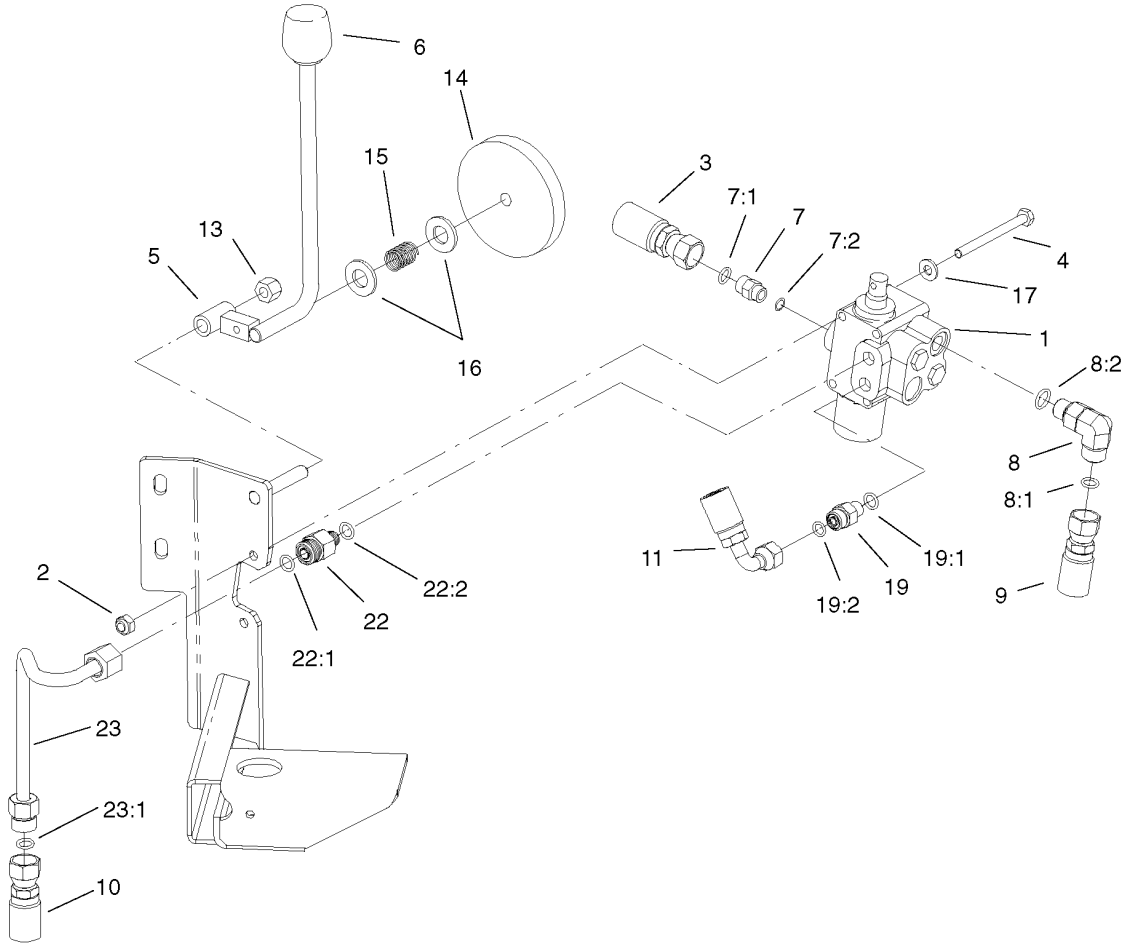
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 30 | 100-4872 | 1 | Plate-Switch, Neutral |
| 31 | 100-1270 | 1 | Switch-Proximity |
| 32 | 3274-14 | 1 | Screw-HSH |
| 33 | 3256-14 | 2 | Washer-Flat |
| 34 | 3296-2 | 1 | Nut-Lock, NI |
| 35 | 3290-307 | 2 | Pin-Hair |
| 36 | 3256-24 | 3 | Washer-Flat |

● Not serviced separately




# Brake Assembly No. 104-7705

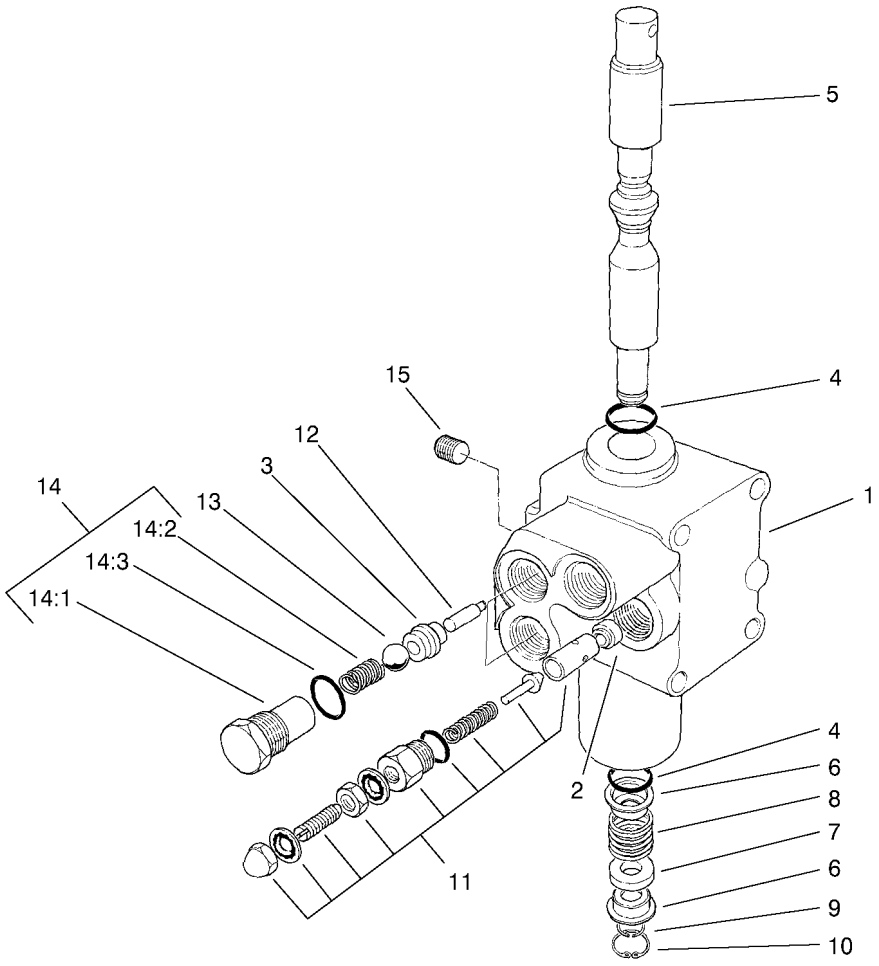
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 70-9870 | 1 | Plate-Backing |
| 2 | 104-7707 | 1 | Shaft-Cam, Brake |
| 3 | 104-7706 | 1 | E-Ring, Bowed |
| 4 | 70-9880 | 2 | Spring-Return |
| 5 | 70-9840 | 2 | Shoe-Brake |




# Hydraulic Valve Installation Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-4092 | 1 | Valve-Lift |
| 2 | 3296-16 | 2 | Nut-Lock, NI |
| 3 | 104-5163 | 1 | Hose ASM |
| 4 | 321-23 | 2 | Screw-HH |
| 5 | 85-5160-03 | 1 | Lever-Valve ASM |
| 6 | 233-37 | 1 | Knob |
| 7 | 340-2 | 1 | Fitting-HYD, Straight |
| 7:1 | 237-22 | 1 | O-Ring |
| 7:2 | 237-42 | 1 | O-Ring |
| 8 | 340-77 | 1 | Fitting-HYD, 90 DEG |
| 8:1 | 237-22 | 1 | O-Ring |
| 8:2 | 237-42 | 1 | O-Ring |
| 9 | 104-5162 | 1 | Hose ASM |
| 10 | 104-4001 | 1 | Hose ASM |

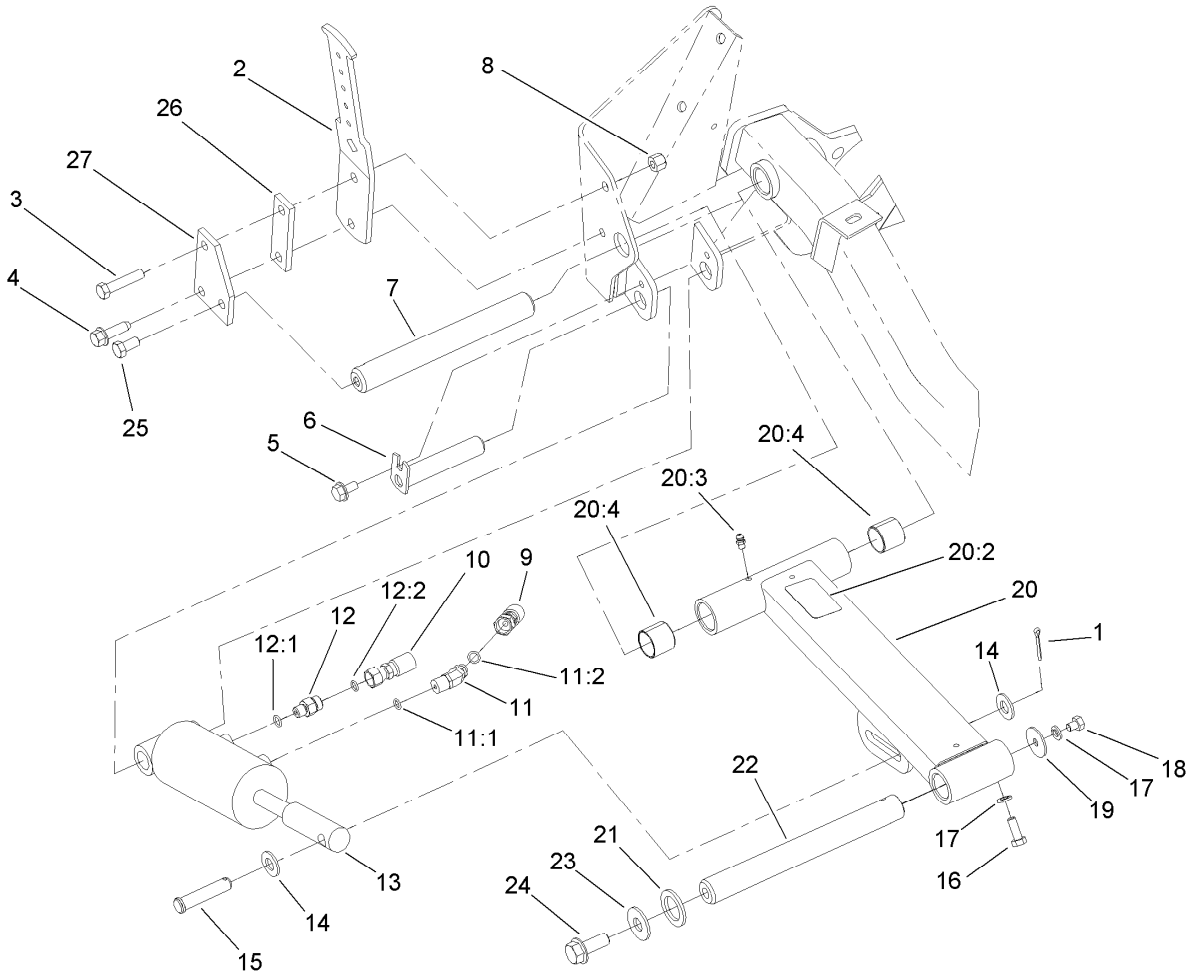
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 11 | 104-4083 | 1 | Hose ASM |
| 13 | 3296-39 | 1 | Nut-Lock, NI |
| 14 | 94-5119 | 1 | Sponge |
| 15 | 65-9940 | 1 | Spring |
| 16 | 3256-26 | 2 | Washer-Flat |
| 17 | 3256-22 | 2 | Washer-Flat |
| 19 | 340-92 | 1 | Fitting-HYD, Straight |
| 19:1 | 237-78 | 1 | O-Ring |
| 19:2 | 237-21 | 1 | O-Ring |
| 22 | 340-88 | 1 | Adapter |
| 22:1 | 237-22 | 1 | O-Ring |
| 22:2 | 237-78 | 1 | O-Ring |
| 23 | 104-4085 | 1 | HYD Tube ASM |
| 23:1 | 237-22 | 1 | O-Ring |




# Hydraulic Control Valve No. 104-4092

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Body ● |
| 2 | 55-3640 | 1 | Seat-Relief |
| 3 | 22-8370 | 2 | Seat-Valve |
| 4 | 22-8500 | 2 | O-Ring |
| 5 | 22-8420 | 1 | Spool |
| 6 | 22-8380 | 2 | Retainer |
| 7 | 23-3030 | 1 | Spacer |
| 8 | 22-8410 | 1 | Spring |
| 9 | 22-8480 | 1 | Ring-Snap |
| 10 | 22-8490 | 1 | Ring-Snap |
| 11 | 22-8440 | 1 | Valve-Relief |
| 12 | 22-8360 | 2 | Pin |
| 13 | 22-8350 | 2 | Ball |
| 14 | 105-7827 | 2 | Plug ASM |
| 14:1 | 22-8330 | 1 | Plug |
| 14:2 | 22-8340 | 1 | Spring |
| 14:3 | 237-42 | 1 | O-Ring |
| 15 | 55-3650 | 1 | Plug |

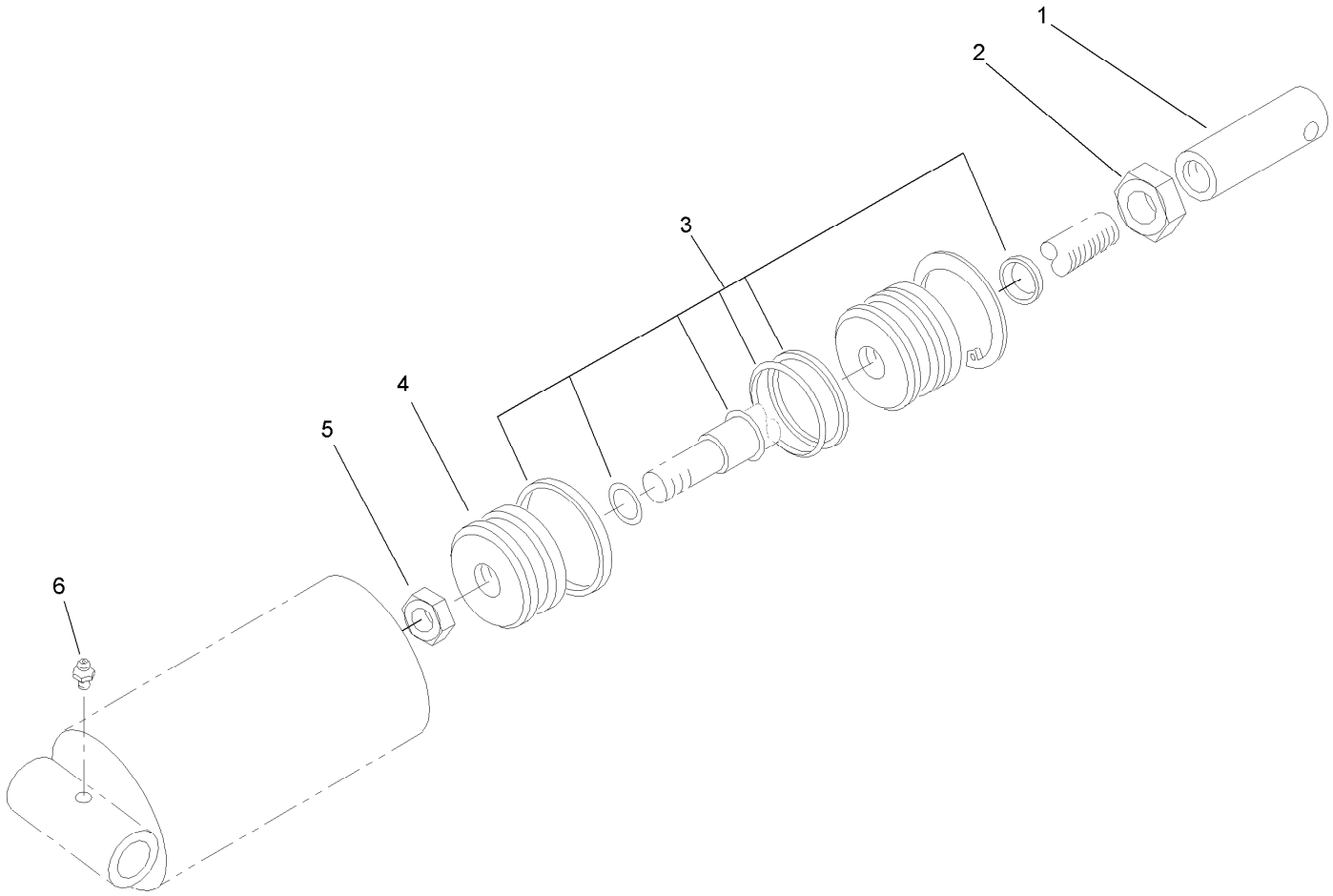
● Not serviced separately




# Rear Lift Arm Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3272-11 | 1 | Pin-Cotter |
| 2 | 92-1818-01 | 1 | Arm-Spring, Tension |
| 3 | 323-9 | 1 | Screw-HH |
| 4 | 32144-109 | 1 | Screw |
| 5 | 32144-14 | 1 | Screw-HWHTF |
| 6 | 93-6893 | 1 | Pin-Pivot, Ram |
| 7 | 92-1812 | 1 | Shaft-Pivot, Lift |
| 8 | 3296-39 | 1 | Nut-Lock, NI |
| 9 | 104-4002 | 1 | Hose ASM |
| 10 | 94-5008 | 1 | Hose ASM |
| 11 | 340-103 | 1 | Fitting-HYD, 45 DEG |
| 11:1 | 237-78 | 1 | O-Ring |
| 11:2 | 237-21 | 1 | O-Ring |
| 12 | 340-92 | 1 | Fitting-HYD, Straight |
| 12:1 | 237-78 | 1 | O-Ring |
| 12:2 | 237-21 | 1 | O-Ring |
| 13 | 93-6869 | 1 | HYD Cylinder ASM |

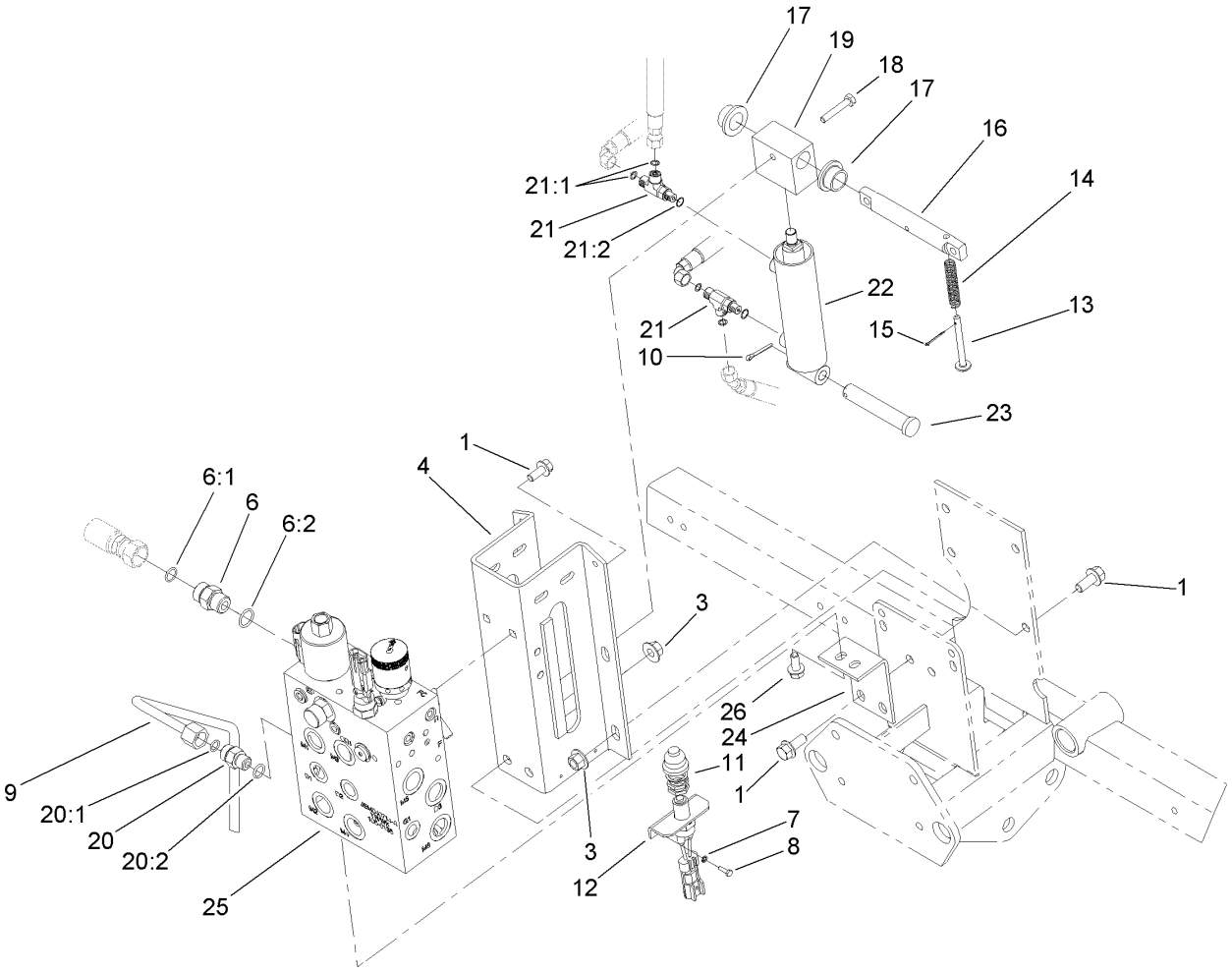
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 3256-26 | 2 | Washer-Flat |
| 15 | 93-6926 | 1 | Pin-Clevis |
| 16 | 322-4 | 1 | Screw-HH |
| 17 | 3253-4 | 2 | Washer-Lock |
| 18 | 322-26 | 1 | Screw-HH |
| 19 | 3256-57 | 1 | Washer-Flat |
| 20 | 94-3635 | 1 | Center Lift Arm ASM |
| 20:2 | 93-6696 | 1 | Decal-Warning |
| 20:3 | 302-5 | 1 | Fitting-Grease |
| 20:4 | 3-0348 | 2 | Bushing |
| 21 | 256-115 | 1 | Washer-Thrust |
| 22 | 99-2338 | 1 | Shaft-Pivot |
| 23 | 3256-6 | 1 | Washer-Flat |
| 24 | 3234-32 | 1 | Screw-HHF |
| 25 | 323-4 | 1 | Screw-HH |
| 26 | 98-3445 | 1 | Spacer |
| 27 | 98-3446 | 1 | Plate-Reinforcement |




# Hydraulic Cylinder Assembly No. 93-6869

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 94-3617 | 1 | Clevis-Cylinder |
| 2 | 32152-10 | 1 | Locknut |
| 3 | 94-3619 | 1 | Seal Kit |
| 4 | | 1 | Piston ● |
| 5 | | 1 | Nut-Lock ● |
| 6 | 302-58 | 1 | Fitting-Straight |

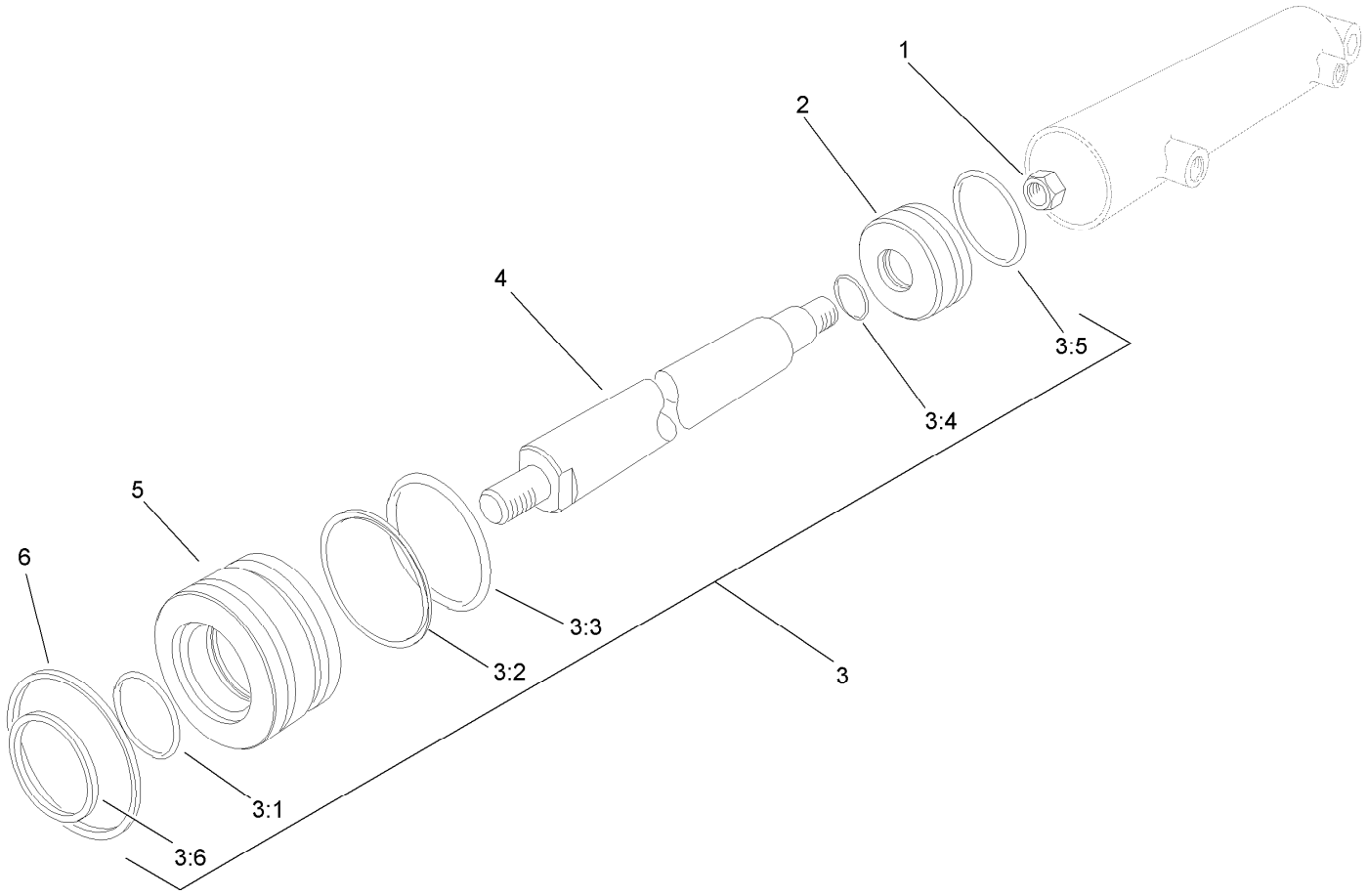
● Not serviced separately




# Front Lift Cylinder Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3234-25 | 6 | Screw-HHF |
| 3 | 32128-43 | 6 | Nut-Flange |
| 4 | 104-3946-03 | 1 | Cylinder Support ASM |
| 6 | 340-4 | 1 | Fitting-HYD, Straight |
| 6:1 | 237-30 | 1 | O-Ring |
| 6:2 | 237-79 | 1 | O-Ring |
| 7 | 3254-9 | 2 | Washer-Lock, Internal |
| 8 | 32144-18 | 2 | Screw-HH |
| 9 | 104-4050 | 1 | HYD Tube ASM |
| 10 | 3272-11 | 1 | Pin-Cotter |
| 11 | 94-3429 | 1 | Switch-Ball |
| 12 | 94-3424 | 1 | Bracket-Mount, Switch |
| 13 | 94-5010 | 1 | Pin-Actuator, Switch |
| 14 | 94-5011 | 1 | Spring-Compression |
| 15 | 3272-4 | 1 | Pin-Cotter |

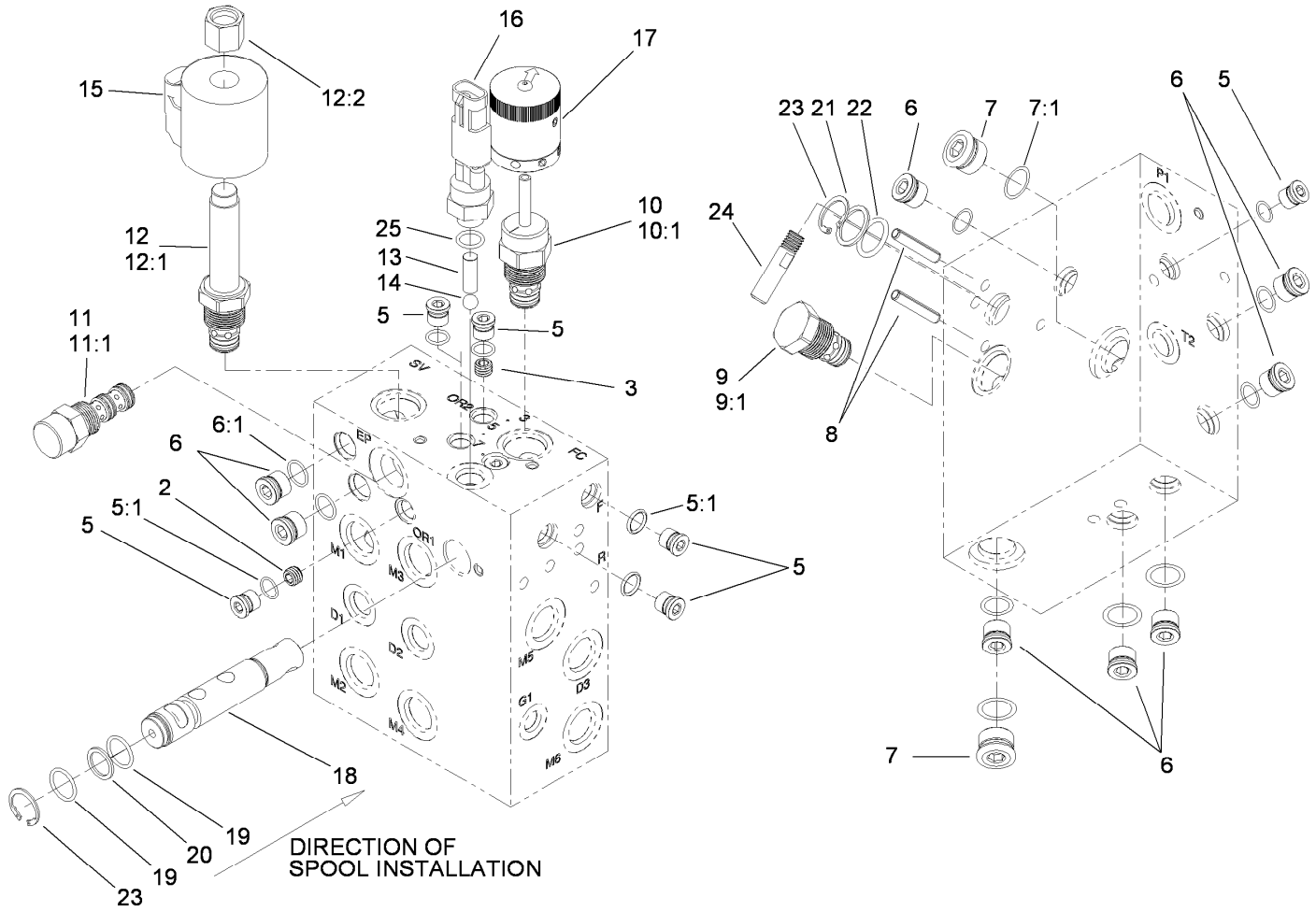
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16 | 72-4190 | 1 | Pin-Guide, Cylinder |
| 17 | 84-8440 | 2 | Bushing |
| 18 | 321-43 | 1 | Capscrew |
| 19 | 61-2450 | 1 | Hub-Lift |
| 20 | 340-2 | 1 | Fitting-HYD, Straight |
| 20:1 | 237-22 | 1 | O-Ring |
| 20:2 | 237-42 | 1 | O-Ring |
| 21 | 340-86 | 2 | Fitting-Tee |
| 21:1 | 237-22 | 2 | O-Ring |
| 21:2 | 237-42 | 1 | O-Ring |
| 22 | 94-5031 | 1 | Cylinder-Lift, HYD |
| 23 | 283-78 | 1 | Pin-Clevis |
| 24 | 93-6733-03 | 1 | Bracket-Mount, Valve |
| 25 | 106-8149 | 1 | Manifold Block ASM |
| 26 | 3234-5 | 3 | Screw-HHF |




# Hydraulic Lift Cylinder Assembly No. 94-5031

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Nut-Lock ● |
| 2 | | 1 | Piston ● |
| 3 | 94-3614 | 1 | Seal Kit |
| 3:1 | | 1 | O-Ring ● |
| 3:2 | | 1 | Washer-Backup ● |
| 3:3 | | 1 | O-Ring ● |
| 3:4 | | 1 | O-Ring ● |
| 3:5 | | 1 | Uniring ● |
| 3:6 | | 1 | Seal-Dust ● |
| 4 | | 1 | Shaft ● |
| 5 | | 1 | Head ● |
| 6 | 94-3612 | 1 | Ring-Retaining |

● Not serviced separately

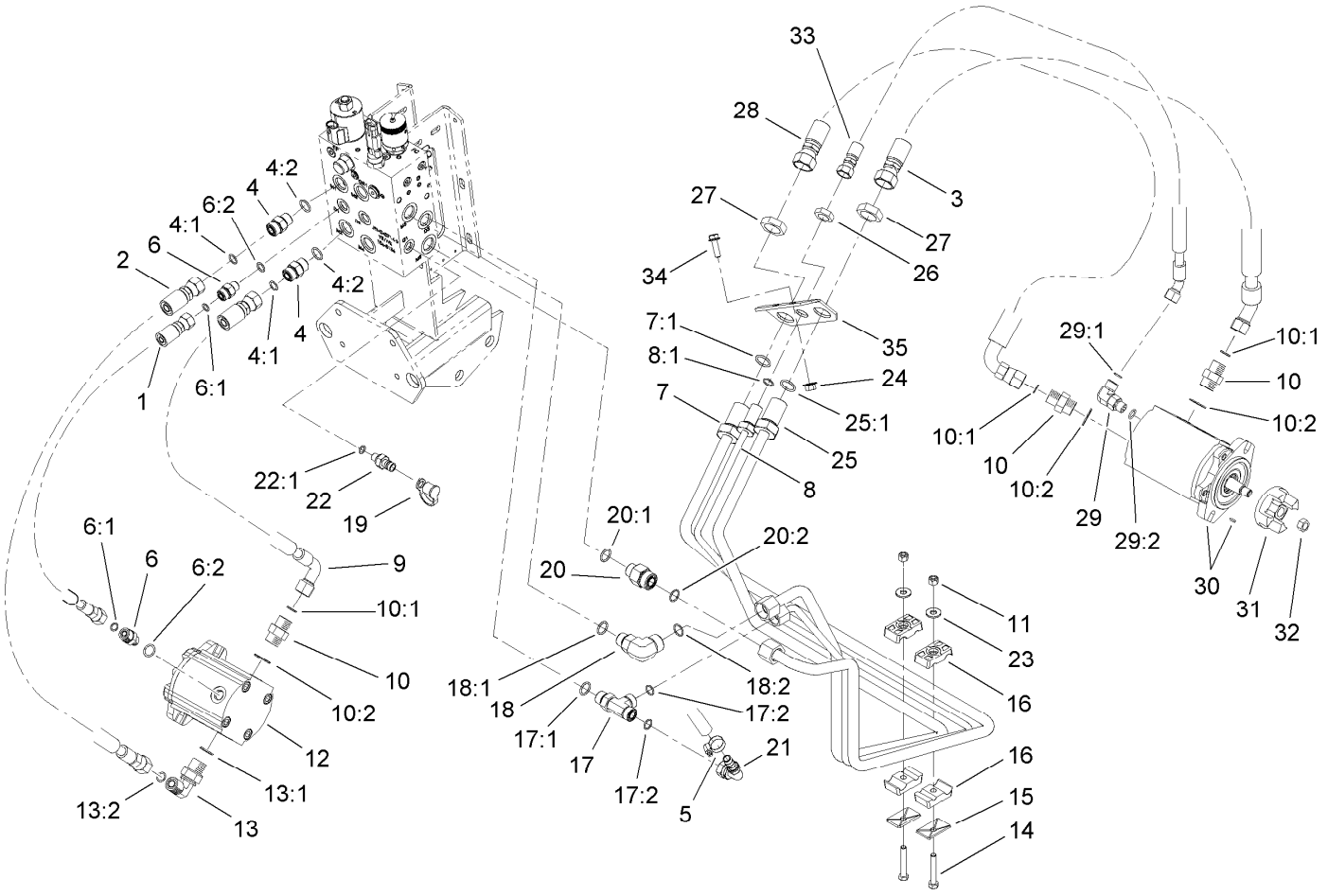



# Manifold Block Assembly No. 106-8149

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 110-8989 | 1 | Plug-Orifice |
| 3 | 106-8141 | 1 | Orifice |
| 5 | 106-1025 | 7 | Plug-HYD |
| 5:1 | 237-78 | 1 | O-Ring |
| 6 | 106-1026 | 8 | Plug-HYD |
| 6:1 | 237-42 | 1 | O-Ring |
| 7 | 106-1027 | 2 | Plug-HYD |
| 7:1 | 237-79 | 1 | O-Ring |
| 8 | 112-6531 | 2 | Pin-Spring |
| 9 | 110-8759 | 1 | Valve-Check |
| 9:1 | 110-8772 | 1 | Seal Kit ● |
| 10 | 110-8769 | 1 | Valve-Control, Manual Flow |
| 10:1 | 110-2633 | 1 | Seal Kit ● |
| 11 | 110-8890 | 1 | Element-Logic |
| 11:1 | 110-8773 | 1 | Seal Kit ● |
| 12 | 110-8768 | 1 | Valve-Relief, Solenoid |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12:1 | 110-6316 | 1 | Seal Kit ● |
| 12:2 | 110-2635 | 1 | Nut-Coil |
| 13 | 117-4604 | 1 | Pin |
| 14 | 117-4605 | 1 | Ball-Ss |
| 15 | 110-6344 | 1 | Coil-12V Dc |
| 16 | 72-4320 | 1 | Switch-Ball |
| 17 | 110-8767 | 1 | Rotary Handle ASM |
| 18 | 117-4602 | 1 | Spool |
| 19 | 117-4606 | 2 | O-Ring |
| 20 | 112-6534 | 1 | Ring-Back Up |
| 21 | 106-8139 | 1 | Ring-Back Up |
| 22 | 117-4607 | 1 | O-Ring -116 Buna 75 |
| 23 | 112-6532 | 2 | Ring-Retaining |
| 24 | 110-8758 | 1 | Handle-Spool |
| 25 | 110-8757 | 1 | O-Ring |

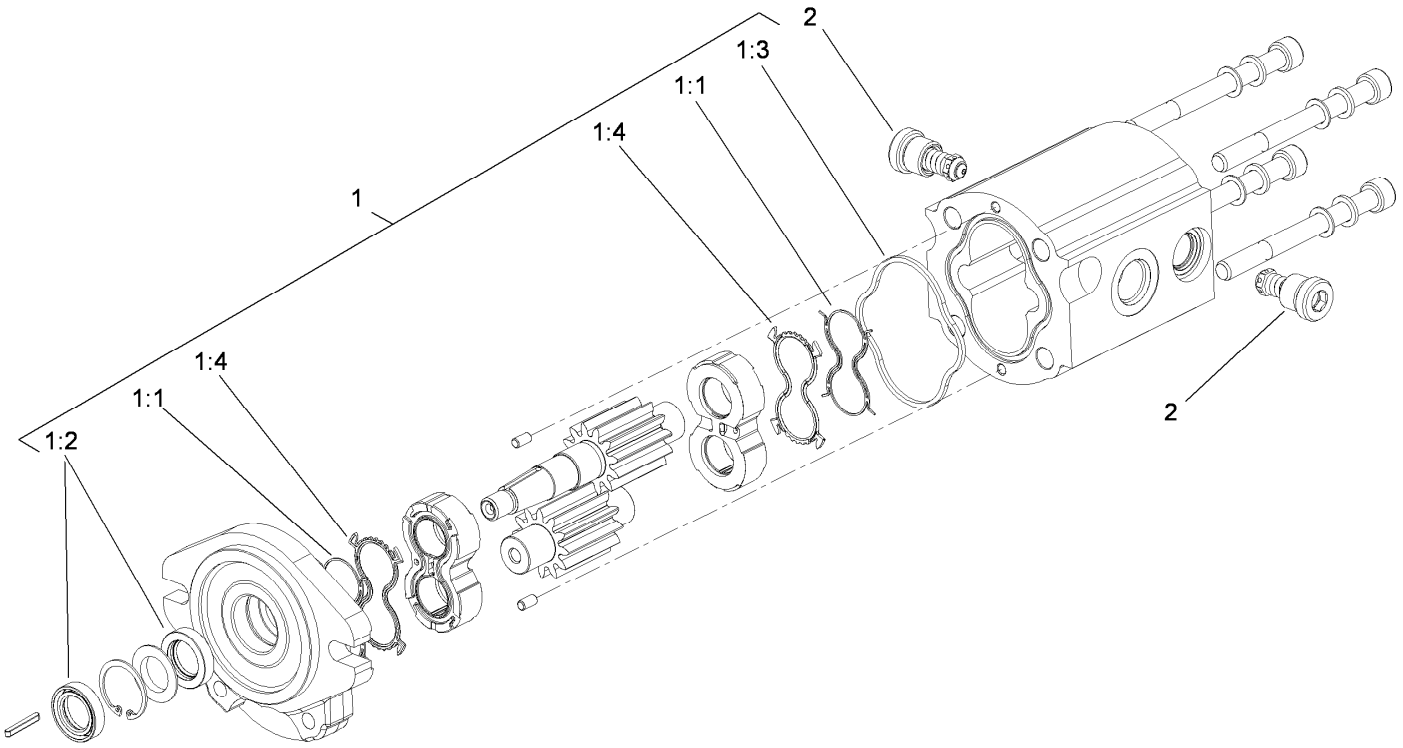
● Not illustrated




# Reel Motor Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 94-5986 | 2 | Hose ASM |
| 2 | 94-5987 | 2 | Hose ASM |
| 3 | 94-5129 | 1 | Hose ASM |
| 4 | 340-4 | 4 | Fitting-HYD, Straight |
| 4:1 | 237-30 | 1 | O-Ring |
| 4:2 | 237-79 | 1 | O-Ring |
| 5 | 2412-36 | 1 | Clamp-Hose |
| 6 | 340-2 | 4 | Fitting-HYD, Straight |
| 6:1 | 237-22 | 1 | O-Ring |
| 6:2 | 237-42 | 1 | O-Ring |
| 7 | 104-3950 | 1 | Tube ASM |
| 7:1 | 237-65 | 1 | O-Ring |
| 8 | 104-3951 | 1 | Tube ASM |
| 8:1 | 237-30 | 1 | O-Ring |
| 9 | 94-5985 | 2 | Hose ASM |
| 10 | 340-6 | 4 | Fitting-HYD, Straight |
| 10:1 | 237-30 | 1 | O-Ring |
| 10:2 | 237-80 | 1 | O-Ring |
| 11 | 3296-29 | 2 | Nut-Lock, NI |
| 12 | 115-3413 | 2 | Motor-Gear |
| 13 | 340-105 | 2 | Fitting-HYD, 90 DEG |
| 13:1 | 237-80 | 1 | O-Ring |
| 13:2 | 237-30 | 1 | O-Ring |
| 14 | 322-10 | 2 | Screw-HH |
| 15 | 69-9760 | 2 | Coverplate |
| 16 | 56-7970 | 4 | Clamp-Tube |
| 17 | 340-109 | 1 | Fitting-HYD, Tee |
| 17:1 | 237-79 | 1 | O-Ring |

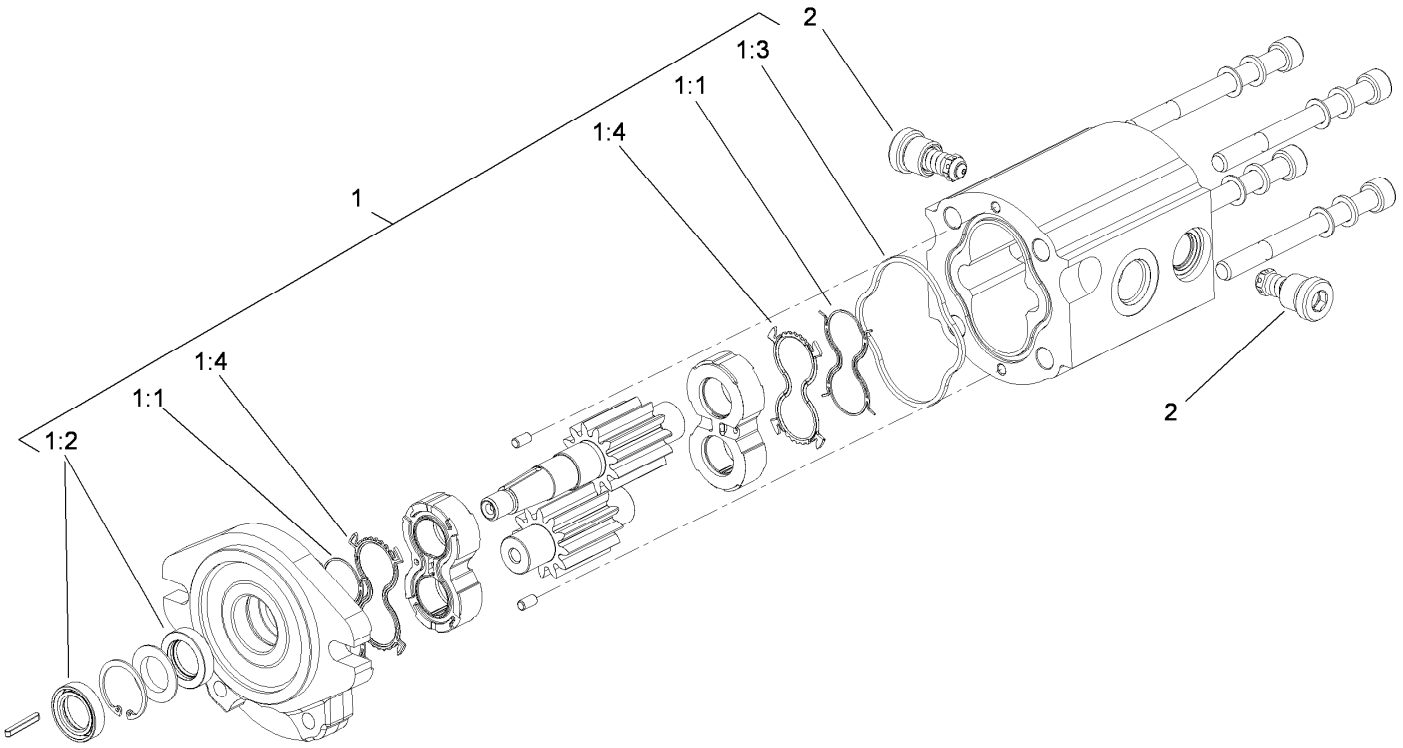
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17:2 | 237-30 | 2 | O-Ring |
| 18 | 340-153 | 1 | Fitting-Elbow, 90 DEG |
| 18:1 | 237-79 | 1 | O-Ring |
| 18:2 | 237-151 | 1 | O-Ring |
| 19 | 354-79 | 1 | Cap-Dust |
| 20 | 340-155 | 1 | Fitting-HYD, Straight |
| 20:1 | 237-79 | 1 | O-Ring |
| 20:2 | 237-151 | 1 | O-Ring |
| 21 | 93-6803 | 1 | Fitting-90 DEG |
| 22 | 354-77 | 1 | Fitting-Quick |
| 22:1 | 237-78 | 1 | O-Ring |
| 23 | 3256-3 | 2 | Washer-Flat |
| 24 | 32128-44 | 2 | Nut |
| 25 | 104-3949 | 1 | Tube ASM |
| 25:1 | 237-65 | 1 | O-Ring |
| 26 | 340-70 | 1 | Nut-Lock |
| 27 | 340-74 | 2 | Nut-Lock, Bulkhead |
| 28 | 105-5401 | 1 | Hose ASM |
| 29 | 340-77 | 1 | Fitting-HYD, 90 DEG |
| 29:1 | 237-22 | 1 | O-Ring |
| 29:2 | 237-42 | 1 | O-Ring |
| 30 | 115-3414 | 1 | Motor-Gear |
| 31 | 115-3490 | 3 | Coupler-Reel Motor |
| 32 | 32128-48 | 3 | Nut-Lock, HHF |
| 33 | 93-6789 | 1 | Hose-HYD |
| 34 | 3234-17 | 2 | Screw-HHF |
| 35 | 93-6796-01 | 1 | Bracket-Bulkhead |




# Gear Motor Assembly No. 115-3413

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 117-5105 | 1 | Seal Kit |
| 1:1 | | 2 | Seal-Anti Extrusion ● |
| 1:2 | | 2 | Seal-Shaft ● |
| 1:3 | | 1 | Seal-Quad ● |
| 1:4 | | 2 | Seal ● |
| 2 | 117-5107 | 2 | Valve-Check |

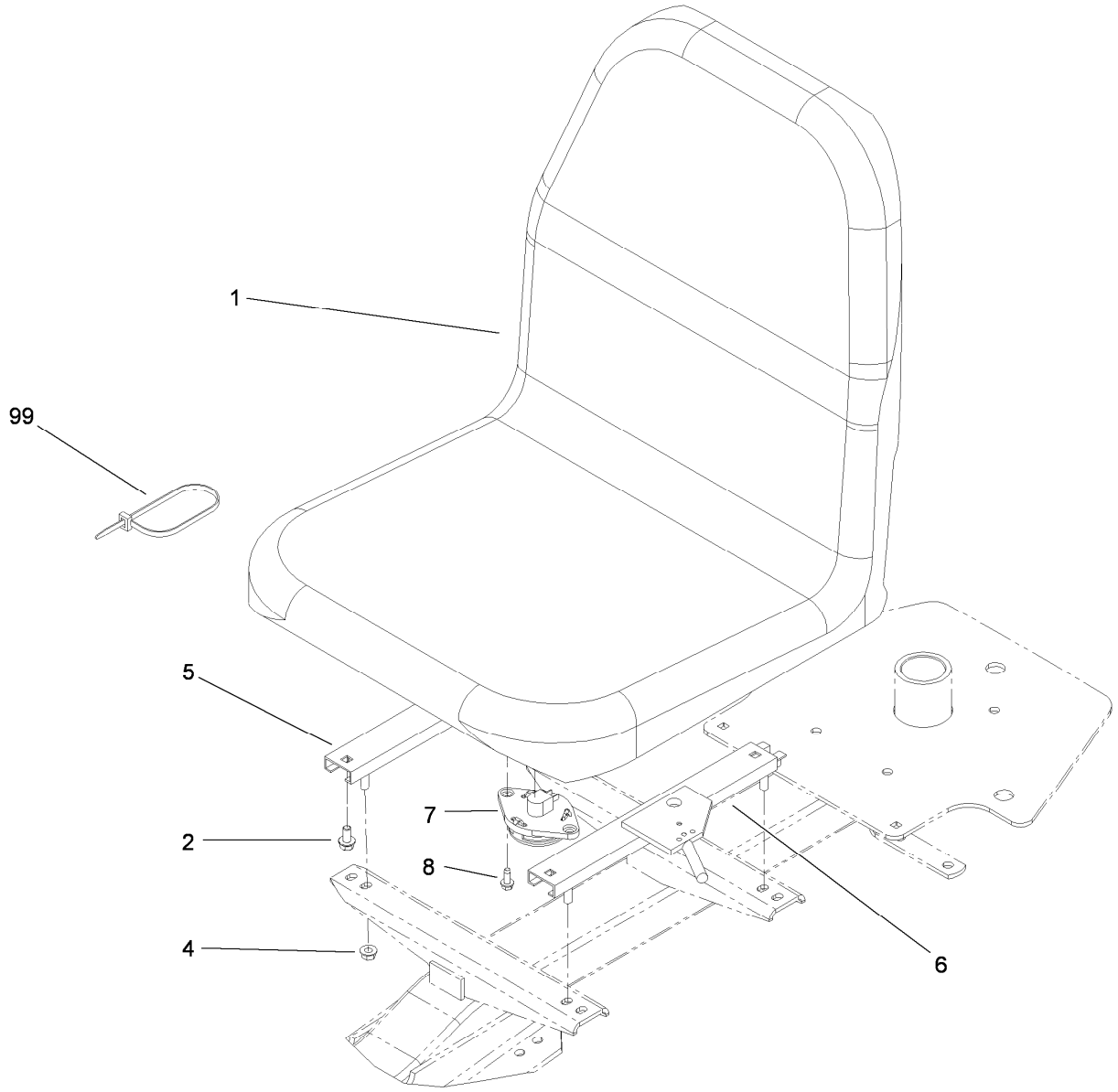
● Not serviced separately




# Gear Motor Assembly No. 115-3414

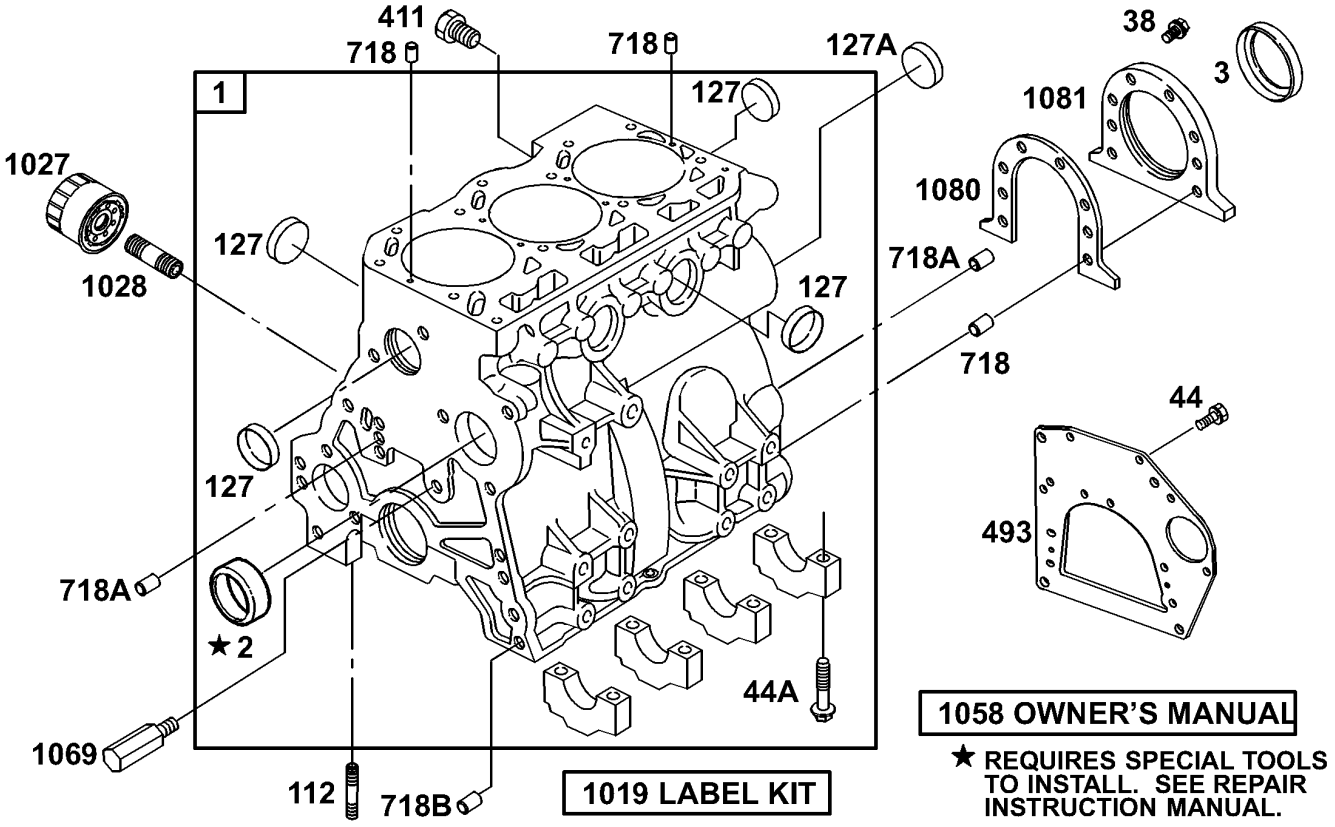
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 117-5106 | 1 | Seal Kit |
| 1:1 | | 2 | Seal-Anti Extrusion ● |
| 1:2 | | 2 | Seal-Shaft ● |
| 1:3 | | 1 | Seal-Quad ● |
| 1:4 | | 2 | Seal ● |
| 2 | 117-5107 | 2 | Valve-Check |

● Not serviced separately



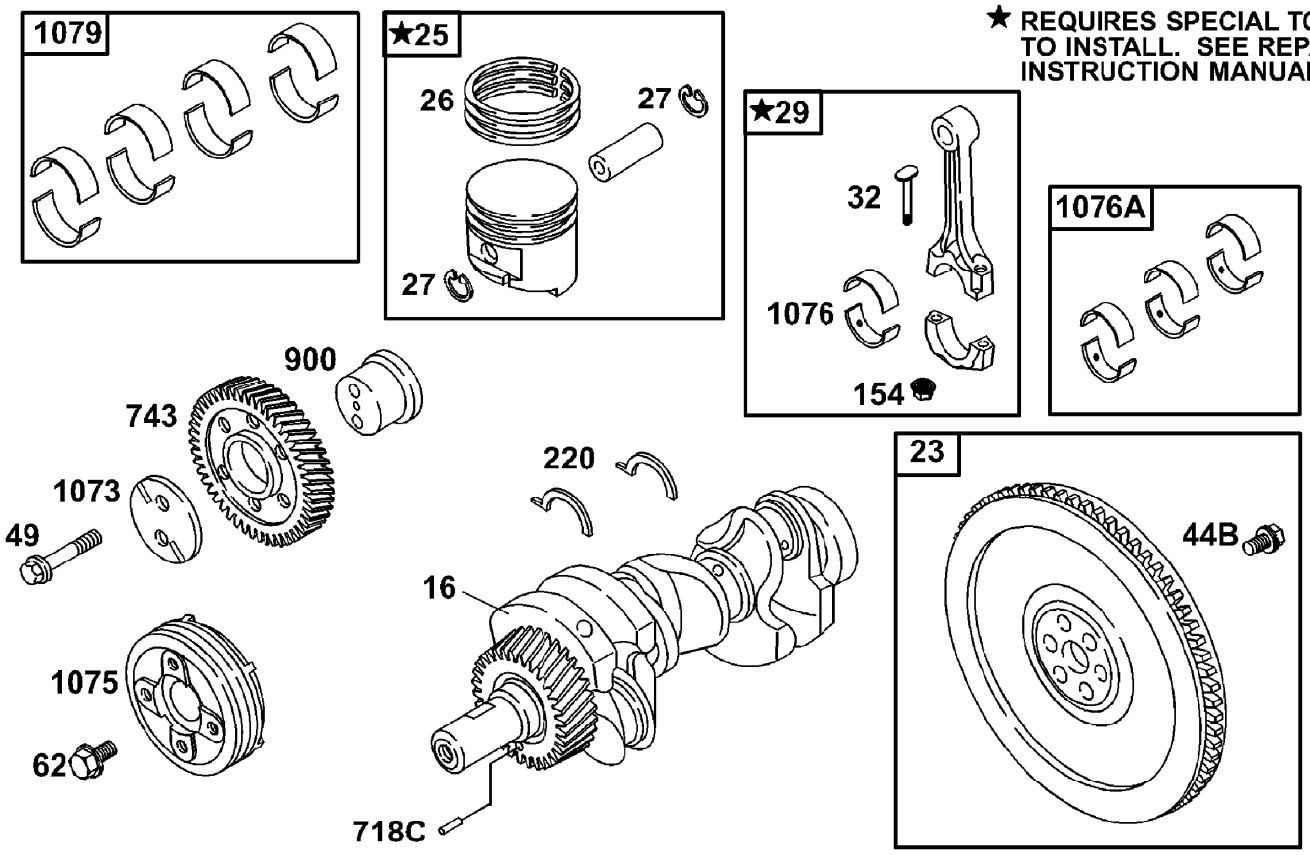

# Seat Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 104-4620 | 1 | Seat |
| 2 | 3234-14 | 4 | Screw-HHF |
| 4 | 104-8300 | 4 | Nut-Flange, NI |
| 5 | 92-8990 | 1 | Adjuster-Slave |
| 6 | 92-8991 | 1 | Adjuster ASM (W/Latch) |
| 7 | 92-6282 | 1 | Switch-Seat |
| 8 | 32144-10 | 2 | Screw-HWH |
| 99 | 3290-378 | 1 | Tie-Cable |




# Cylinder Assembly

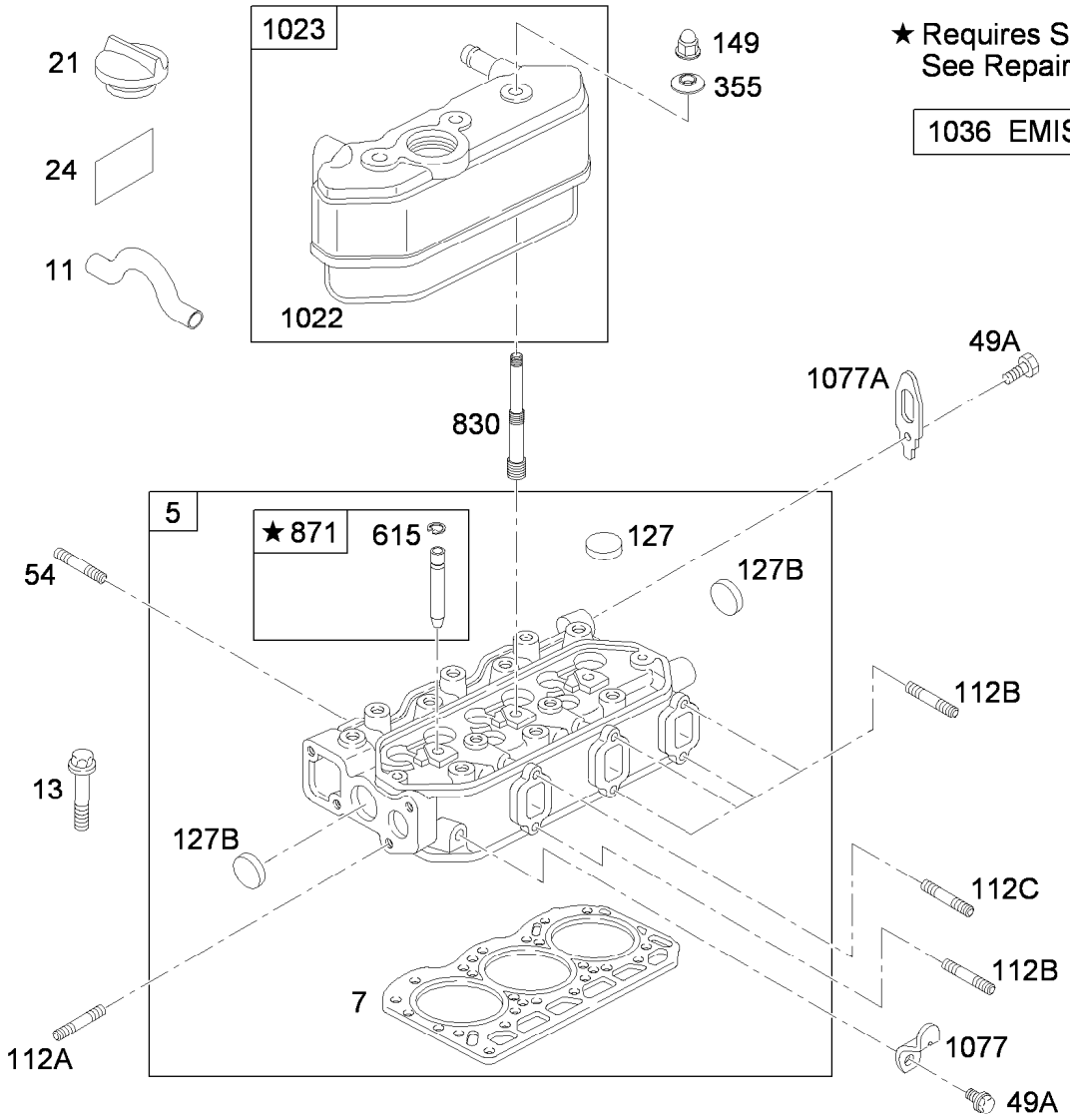
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 100-6401 | 1 | Cylinder ASM |
| 2 | 99-9002 | 1 | Bushing |
| 3 | 99-9003 | 1 | Seal-Oil |
| 38 | 99-9004 | 6 | Screw-Hex |
| 44 | 99-9005 | 3 | Screw-Hex |
| 112 | 99-9007 | 1 | Stud-Metric |
| 127 | 99-9008 | 7 | Plug-Welch |
| 411 | 99-9601 | 1 | Plug (Cylinder Block) |
| 44A | 99-9006 | 8 | Screw-Hex |
| 493 | 99-9011 | 1 | Bracket-Mounting |
| 718 | 99-9012 | 4 | Pin-Locating |
| 1019 | 99-9015 | 1 | Label Kit |
| 1027 | 108-3842 | 1 | Filter-Oil |
| 1028 | 99-9018 | 1 | Adapter-Filter, Oil |
| 1058 | 99-9602 | 1 | Manual-Owners |
| 1069 | 99-9020 | 1 | Nozzle-Oil |
| 1080 | 99-9021 | 1 | Gasket-Retainer |
| 1081 | 99-9022 | 1 | Retainer-Seal |
| 127A | 99-9010 | 1 | Plug-Welch |
| 718A | 99-9013 | 3 | Pin-Locating |
| 718B | 99-9014 | 2 | Pin-Locating |




# Crankshaft Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16 | 99-9252 | 1 | Crankshaft |
| 23 | 99-9024 | 1 | Flywheel |
| 25 | 99-9605 | 3 | Piston ASM |
| 25 | 99-9268 | 3 | Piston ASM (.010 In Oversized) |
| 26 | 99-9606 | 3 | Ring Set |
| 26 | 99-9269 | 3 | Ring Set (.010 Oversized) |
| 27 | 99-9607 | 6 | Lock-Pin, Piston |
| 29 | 117-8838 | 3 | Rod-Connecting |
| 32 | 99-9030 | 6 | Screw |
| 44B | 99-9031 | 6 | Screw-Hex |
| 49 | 99-9032 | 2 | Screw-Hex |
| 62 | 99-9033 | 1 | Screw-Hex |
| 154 | 99-9034 | 6 | Nut-Hex |
| 220 | 99-9035 | 1 | Shim-Endplay |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 220 | 99-9036 | 1 | Shim-Endplay (.005 Oversized) |
| 718C | 99-9037 | 1 | Pin-Locating |
| 743 | 99-9609 | 1 | Gear-Drive |
| 900 | 99-9039 | 1 | Shaft-Gear |
| 1073 | 99-9040 | 1 | Plate-Gear, Idler |
| 1075 | 99-9692 | 1 | Pulley-Crankshaft |
| 1076 | 99-9042 | 1 | Bearing-Rod |
| 1076A | 99-9043 | 3 | Rod Bearing Set |
| 1076A | 99-9044 | 3 | Rod Bearing Set (.010 Undersized) |
| 1079 | 99-9045 | 1 | Main Bearing Set (Set Of 8) |
| 1079 | 99-9046 | 1 | Main Bearing Set (.010 Undersized) |

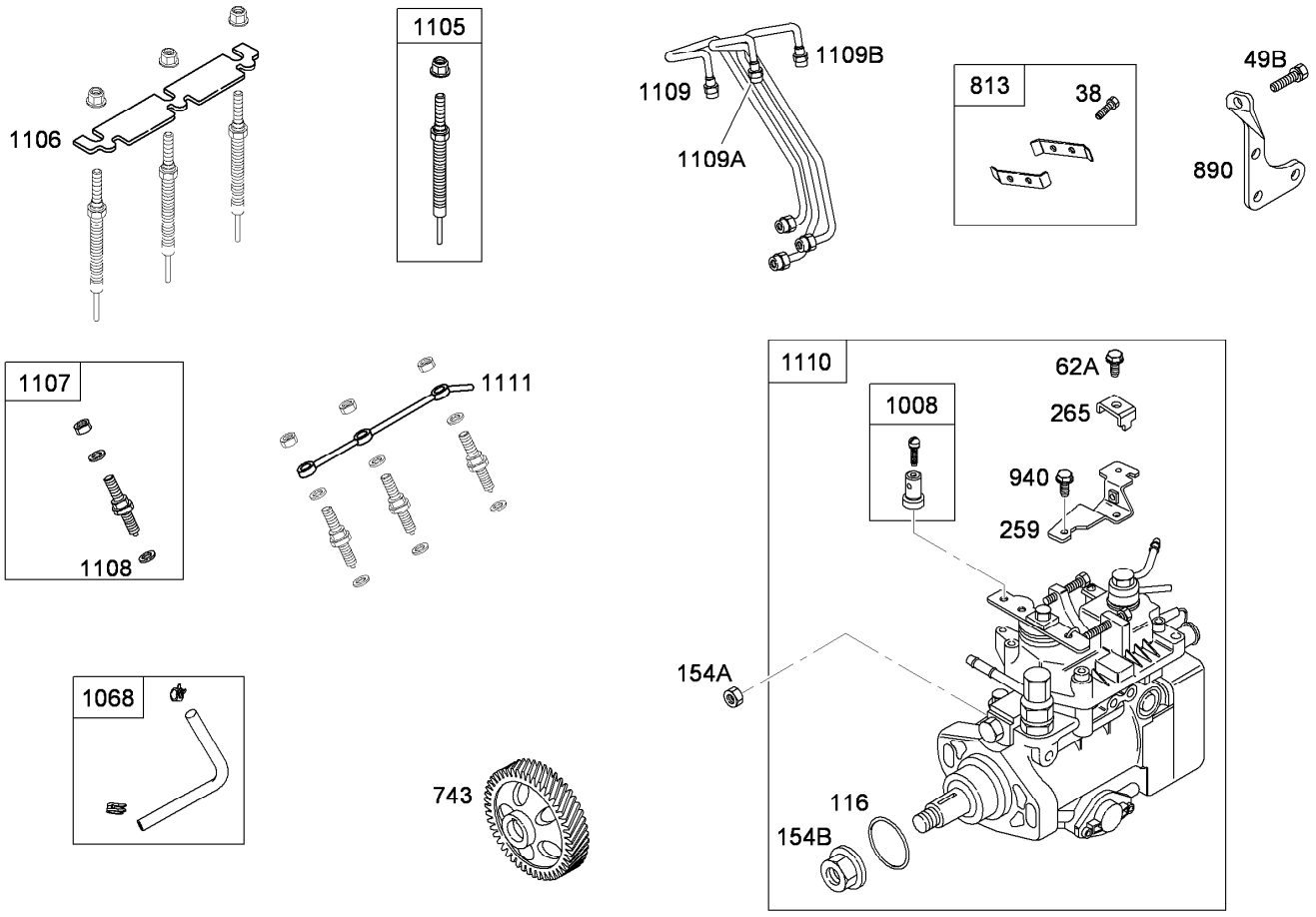



Assemblies include all parts shown in frames

# Cylinder Head Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 5 | 99-9611 | 1 | Head-Cylinder |
| 7 | 99-9612 | 1 | Gasket-Head, Cylinder |
| 11 | 104-7743 | 1 | Tube-Breather |
| 13 | 99-9614 | 14 | Screw-Metric |
| 21 | 99-9052 | 1 | Cap-Fill, Oil |
| 24 | 105-3817 | 1 | Label-Fill, Oil |
| 54 | 99-9055 | 2 | Stud-Metric |
| 127 | 99-9008 | 2 | Plug-Welch |
| 127B | 99-9060 | 2 | Plug-Welch |
| 149 | 99-9061 | 3 | Nut-Hex, Metric |
| 355 | 99-9063 | 3 | Washer-Seal |
| 49A | 99-9054 | 2 | Screw-Hex |

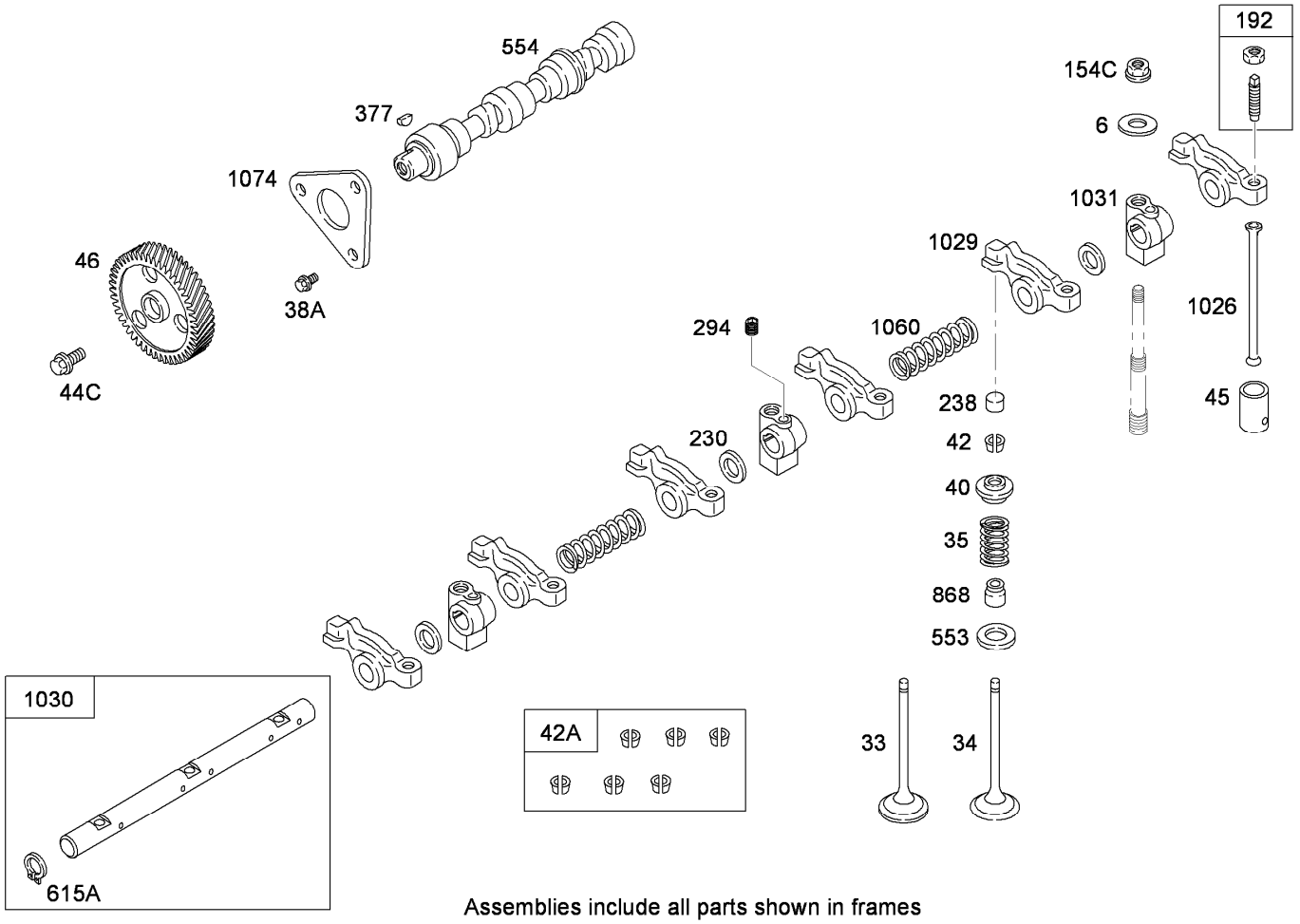
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 615 | 99-9067 | 6 | Retainer |
| 830 | 99-9101 | 3 | Stud-Arm, Rocker |
| 871 | 99-9070 | 6 | Bushing-Guide |
| 1022 | 99-9073 | 1 | Gasket-Cover, Rocker |
| 1023 | 100-6402 | 1 | Cover-Rocker |
| 1036 | 99-9615 | 1 | Emission Label Kit |
| 1077 | 99-9076 | 1 | Bracket-Lifting |
| 1077A | 99-9077 | 1 | Bracket-Lifting |
| 112A | 99-9057 | 2 | Stud-Metric |
| 112B | 99-9058 | 5 | Stud-Metric |
| 112C | 99-9059 | 1 | Stud-Metric |




Assemblies include all parts shown in frames

# Injection Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 38 | 99-9004 | 2 | Screw-Hex |
| 116 | 99-9618 | 1 | O-Ring |
| 259 | 99-9621 | 1 | Bracket-Clamp, Casing |
| 265 | 99-9622 | 1 | Clamp-Casing |
| 49B | 99-9616 | 4 | Screw-Hex |
| 62A | 100-6403 | 1 | Screw-Metric |
| 743 | 99-9624 | 1 | Gear-Drive |
| 813 | 99-9625 | 1 | Clamp |
| 890 | 99-9626 | 1 | Bracket-Support |
| 940 | 100-6410 | 2 | Screw-Hex |
| 1008 | 99-9628 | 1 | Clamp-Swivel |
| 1068 | 99-9629 | 1 | Hose / Clamp ASM |
| 1105 | 114-4695 | 3 | Plug-Glow |
| 1106 | 99-9631 | 1 | Strap-Plug, Glow |
| 1107 | 114-4696 | 3 | Injection Nozzle |
| 1108 | 99-9633 | 3 | Seat-Injector |
| 1109 | 99-9690 | 1 | Pipe-Injector, No. 1 |
| 1110 | 106-8146 | 1 | Pump-Injection |
| 1111 | 99-9637 | 1 | Pipe-Return, Fuel |
| 154A | 99-9619 | 2 | Nut-Hex, Metric |
| 154B | 99-9620 | 1 | Nut-Hex, Metric |
| 1109A | 99-9634 | 1 | Pipe-Injector, No. 2 |
| 1109B | 99-9635 | 1 | Pipe-Injector, No. 3 |

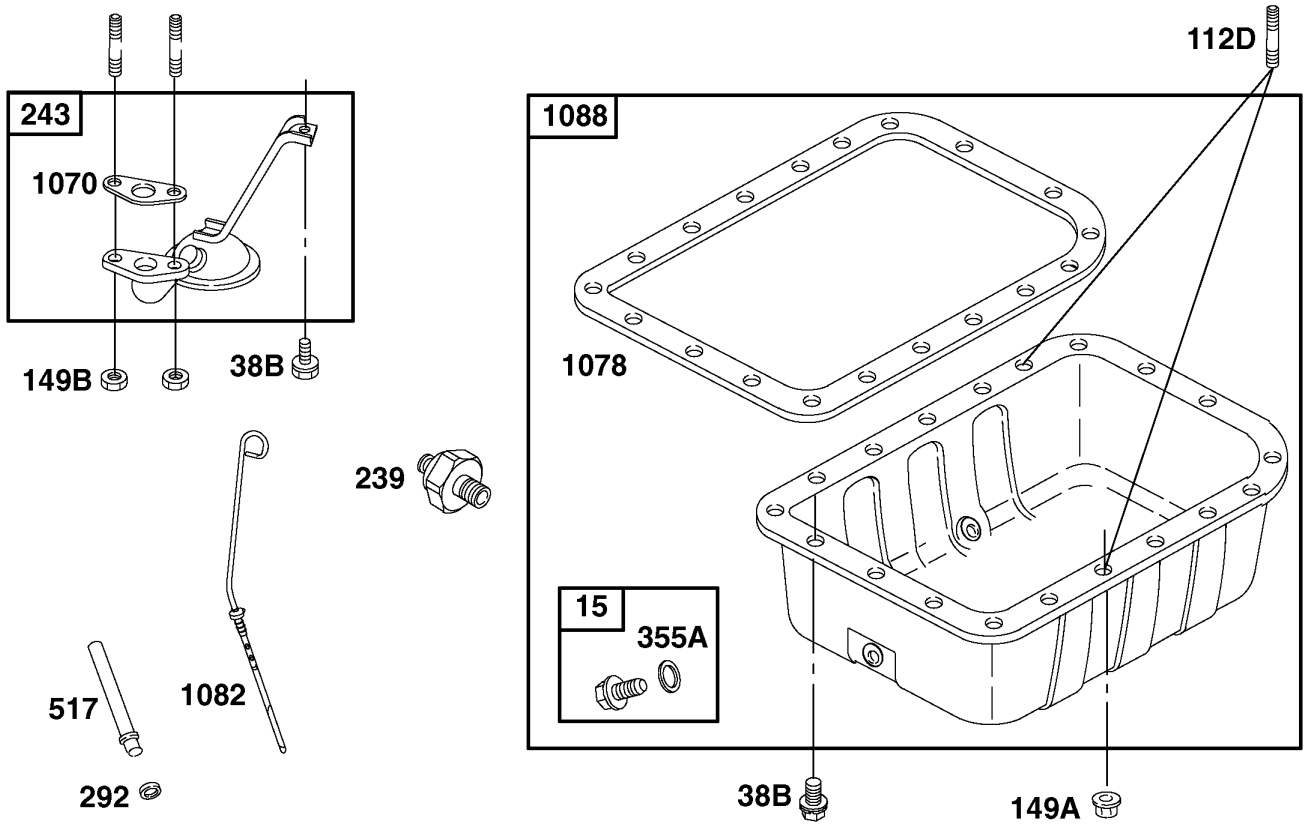



Assemblies include all parts shown in frames

# Rocker Arm Assembly

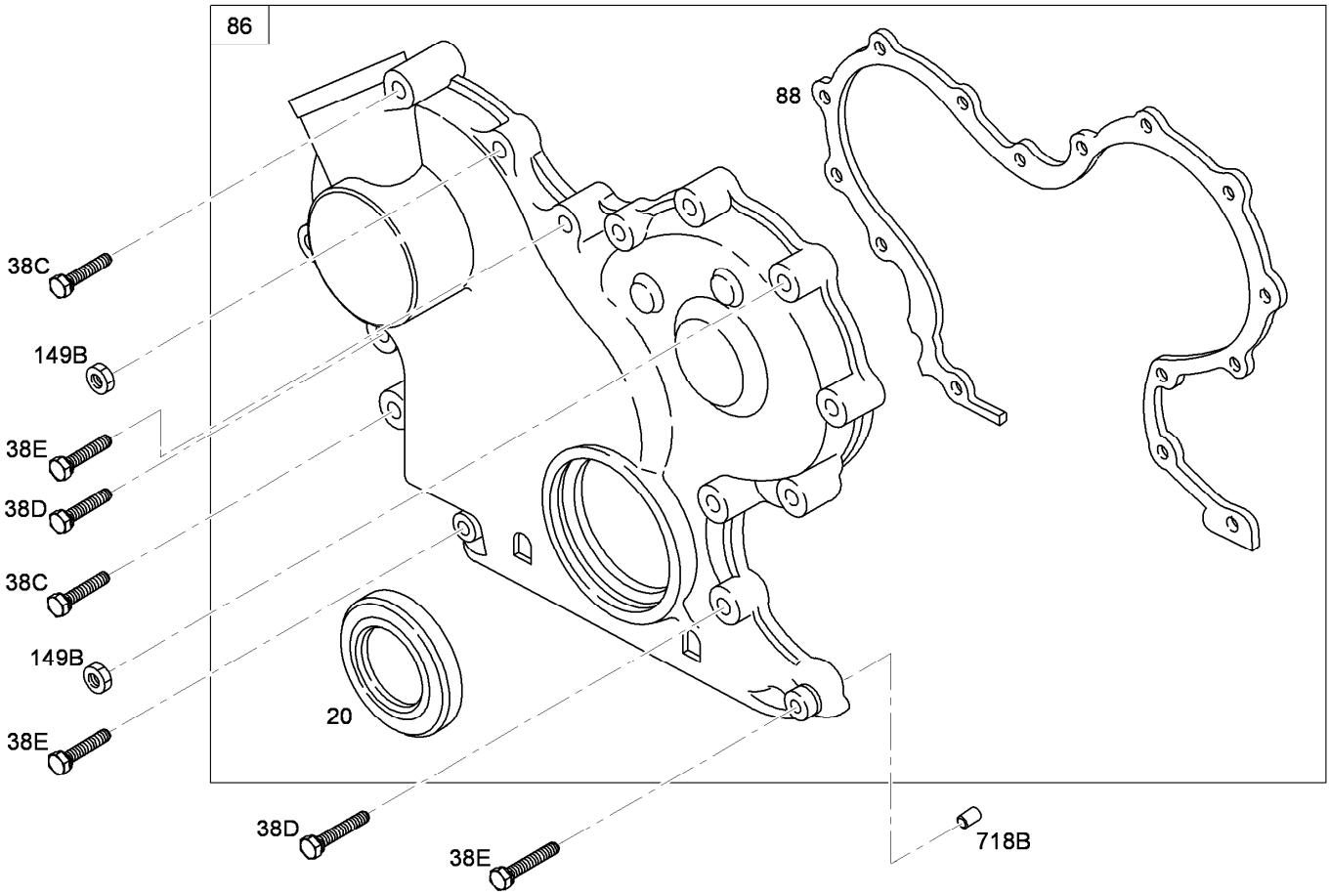
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 6 | 99-9079 | 3 | Washer-Flat |
| 33 | 99-9638 | 3 | Valve-Exhaust |
| 34 | 99-9639 | 3 | Valve-Intake |
| 35 | 99-9640 | 6 | Spring-Valve |
| 40 | 99-9084 | 6 | Retainer-Valve |
| 42 | 99-9086 | 1 | Keeper-Valve (Set) |
| 42A | 99-9087 | 6 | *obs* Keeper-Valve (Set Of 6) |
| 45 | 99-9088 | 6 | Tappet-Valve |
| 46 | 99-9641 | 1 | Gear-Cam |
| 192 | 99-9092 | 6 | Adjuster-Arm, Rocker |
| 230 | 99-9093 | 3 | Washer-Spacer |
| 238 | 99-9094 | 6 | Cap-Valve |
| 294 | 99-9090 | 1 | Screw-Metric |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 377 | 99-9642 | 1 | Key-Timing |
| 38A | 99-9083 | 3 | Screw-Hex |
| 44C | 99-9085 | 1 | Screw-Metric |
| 553 | 99-9096 | 6 | Seat-Spring, Valve |
| 554 | 99-9097 | 1 | Shaft-Cam |
| 868 | 99-9643 | 6 | Seal-Valve |
| 1026 | 99-9103 | 6 | Rod-Push |
| 1029 | 99-9104 | 1 | Arm-Rocker |
| 1030 | 99-9106 | 1 | Shaft-Arm, Rocker |
| 1031 | 99-9107 | 3 | Support-Arm, Rocker |
| 1060 | 99-9108 | 2 | Spring-Shaft, Rocker |
| 1074 | 99-9109 | 1 | Retainer-Camshaft |
| 154C | 99-9091 | 3 | Nut-Hex, Metric |
| 615A | 99-9099 | 2 | Retainer |




# Oil Pan Assembly

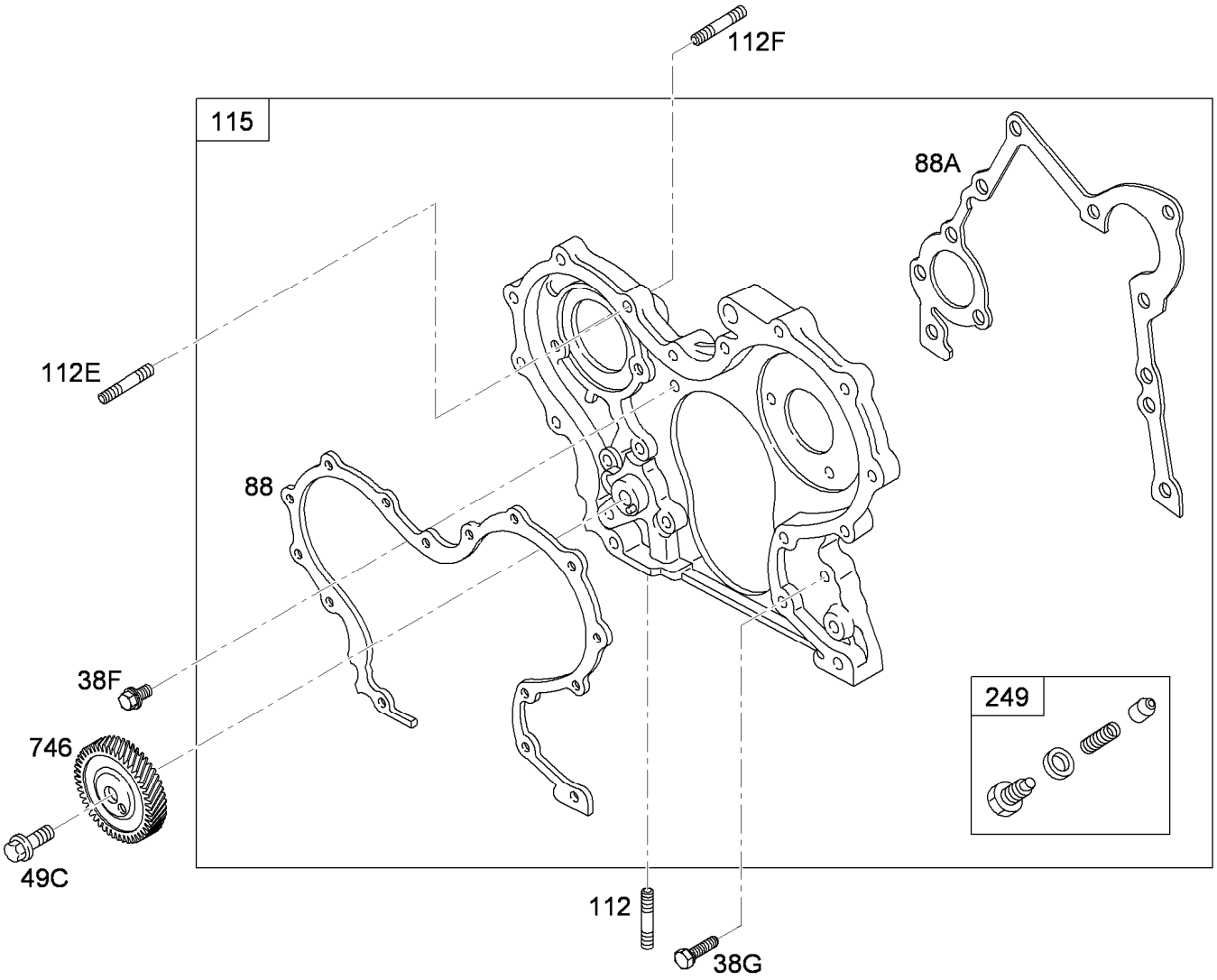
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 15 | 99-9644 | 2 | Plug-Drain, Oil |
| 239 | 99-9115 | 1 | Switch-Pressure, Oil |
| 243 | 99-9116 | 1 | Screen-Pump, Oil |
| 292 | 99-9265 | 1 | Seal-O-Ring |
| 38B | 99-9111 | 18 | Screw-Hex |
| 517 | 99-9271 | 1 | Collar-Tube, Dipstick |
| 1070 | 99-9120 | 1 | Gasket-Strainer, Oil |
| 1078 | 99-9121 | 1 | Gasket-Pan, Oil |
| 1082 | 110-2597 | 1 | Dipstick |
| 1088 | 99-9649 | 1 | Pan-Oil |
| 112D | 99-9112 | 2 | Stud-Metric |
| 149A | 99-9113 | 2 | Nut-Hex, Metric |
| 149B | 99-9114 | 2 | Nut-Hex, Metric |
| 355A | 99-9645 | 1 | Washer-Seal |




Assemblies include all parts shown in frames

# Gear Cover Assembly

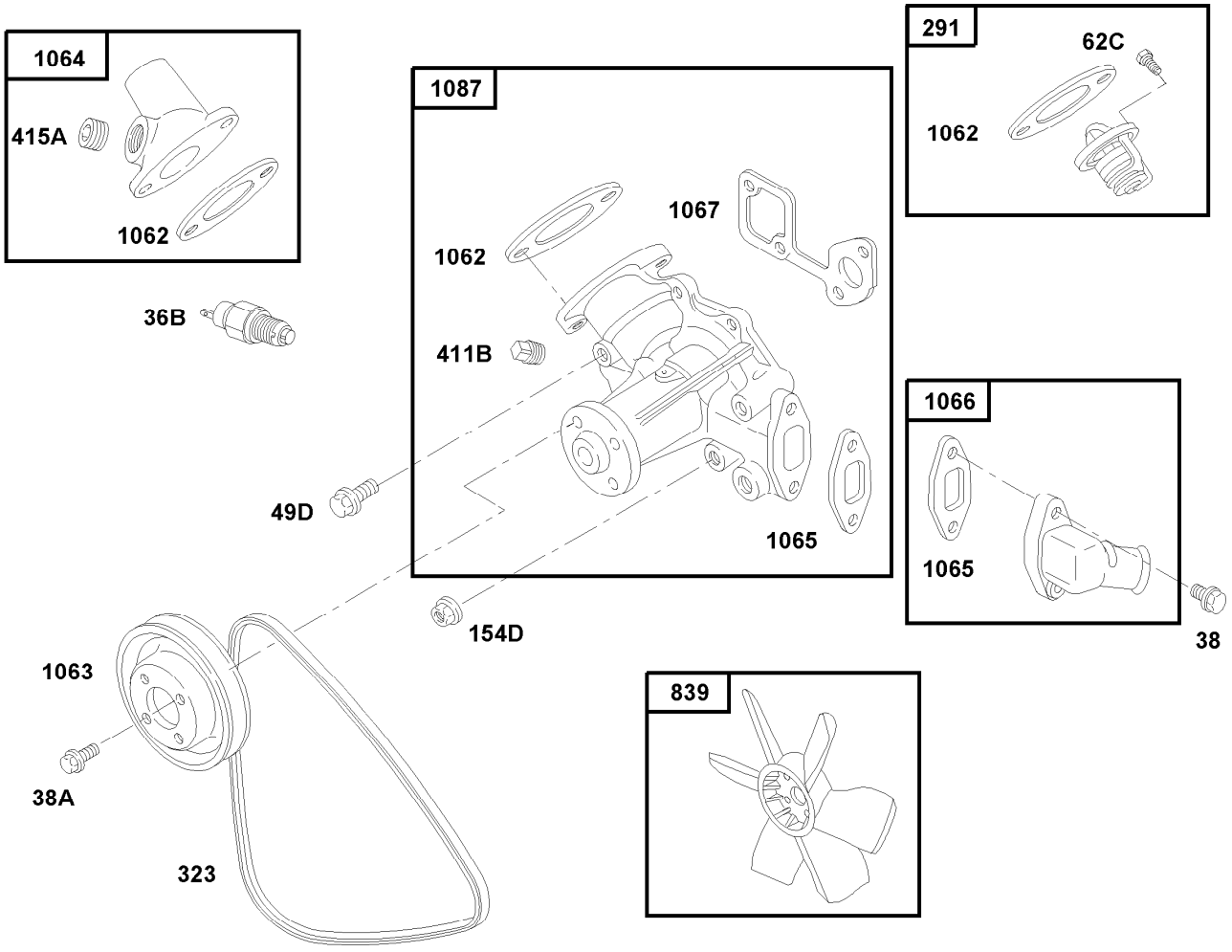
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 20 | 99-9126 | 1 | Seal-Oil |
| 86 | 115-2338 | 1 | Gear Cover ASM |
| 88 | 99-9653 | 1 | Gasket-Cover, Gear |
| 38C | 99-9651 | 2 | Screw-Hex |
| 38D | 99-9128 | 9 | Screw-Hex |
| 38E | 99-9129 | 3 | Screw-Hex |
| 149B | 99-9114 | 2 | Nut-Hex, Metric |
| 718B | 99-9014 | 1 | Pin-Locating |




Assemblies include all parts shown in frames

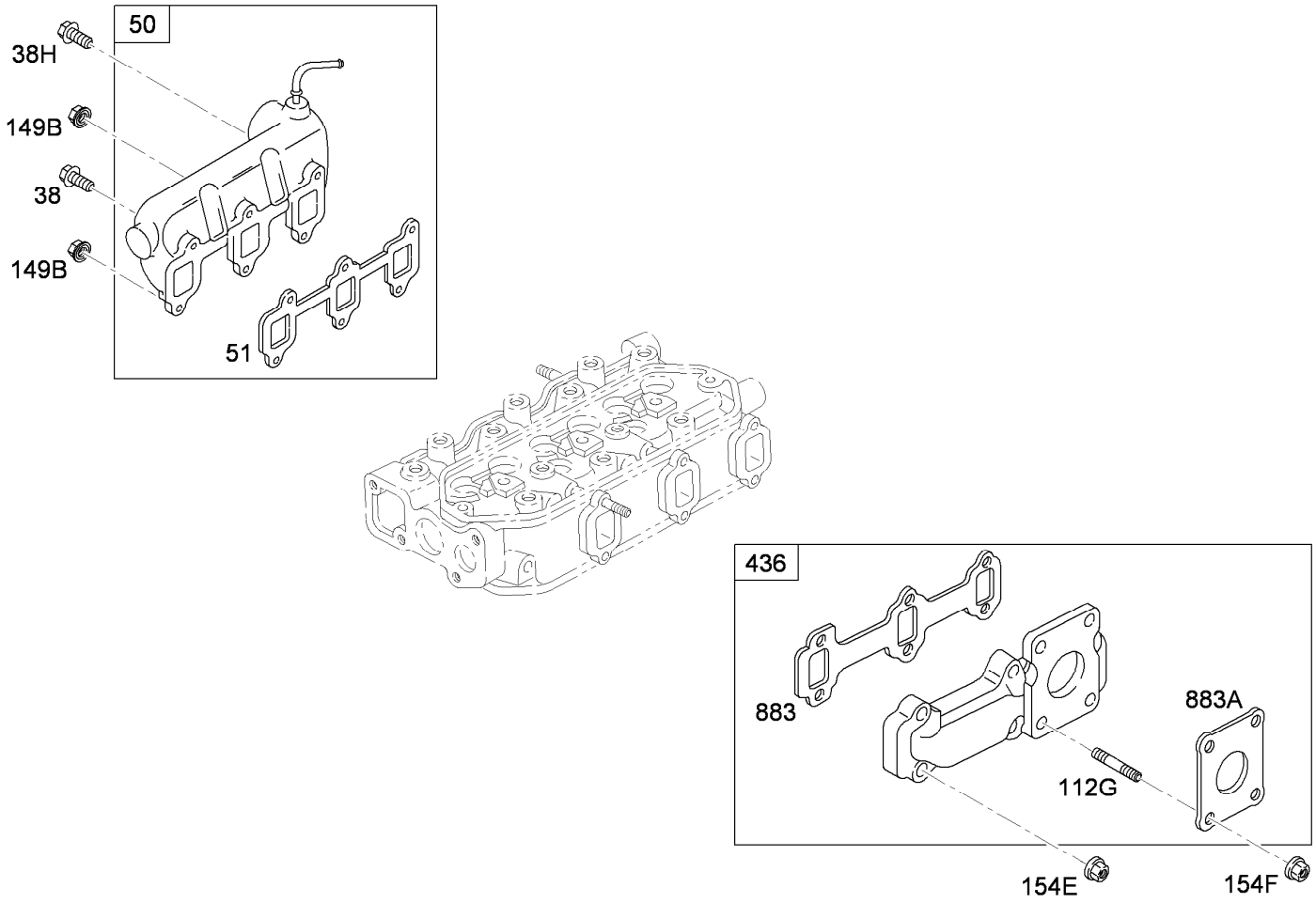
# Gear Housing Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 88 | 99-9653 | 1 | Gasket-Cover, Gear |
| 88A | 99-9136 | 1 | Gasket-Cover, Gear Reduction |
| 112 | 99-9007 | 1 | Stud-Metric |
| 112E | 99-9137 | 2 | Stud-Metric |
| 112F | 99-9654 | 2 | Stud-Metric |
| 115 | 99-9655 | 1 | Housing-Gear |
| 249 | 99-9142 | 1 | Valve-Relief, Oil |
| 38F | 99-9134 | 1 | Screw-Hex |
| 38G | 99-9133 | 4 | Screw-Hex |
| 49C | 99-9135 | 1 | Screw-Hex |
| 746 | 99-9656 | 1 | Gear-Drive |




# Water Pump Assembly

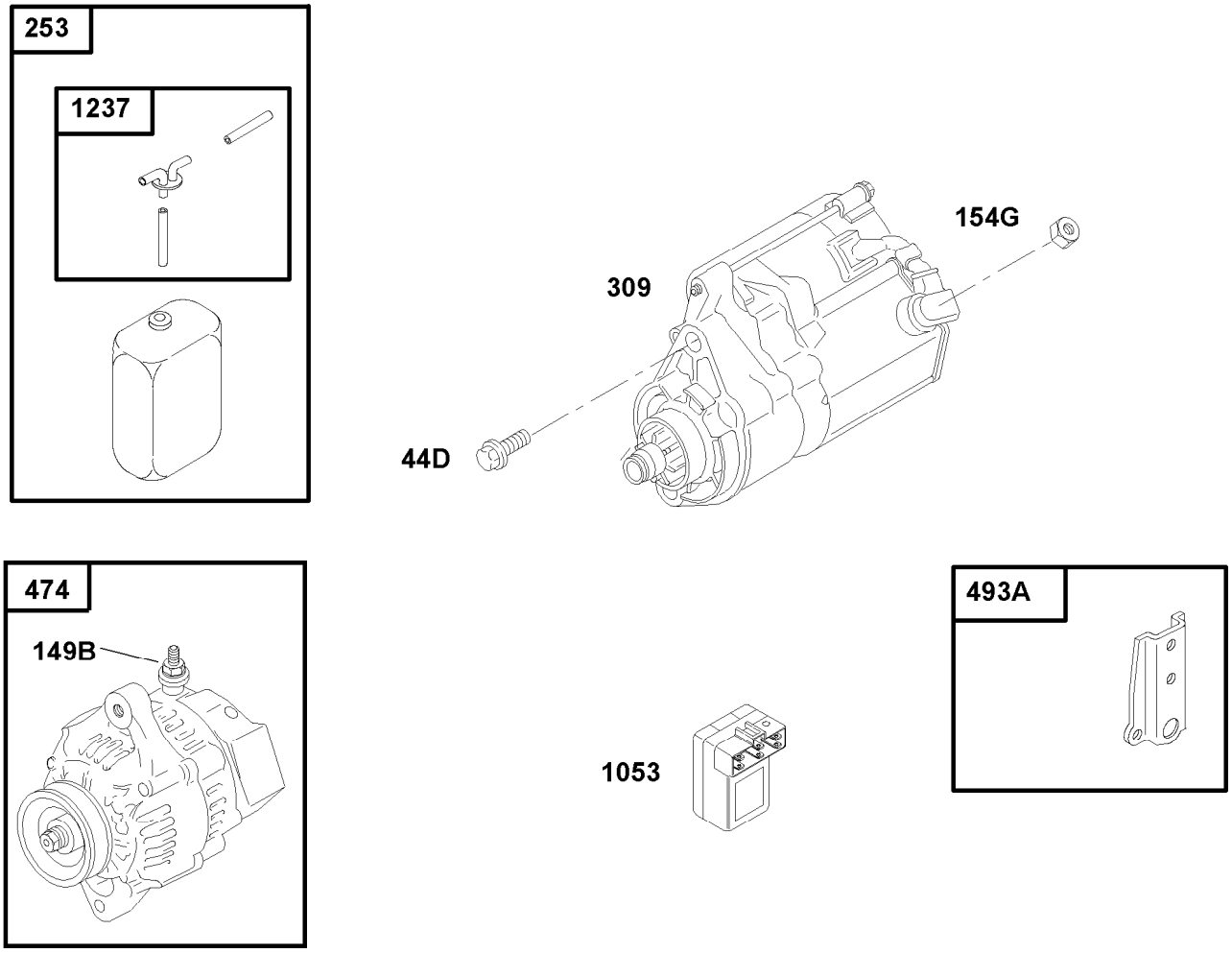
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 38 | 99-9004 | 2 | Screw-Hex |
| 38A | 99-9111 | 4 | Screw-Hex |
| 291 | 99-9155 | 1 | Thermostat |
| 323 | 99-8153 | 1 | Belt-V |
| 36B | 99-9157 | 1 | Switch-Temperature, Water |
| 49D | 99-9151 | 2 | Screw-Hex |
| 62C | 99-9152 | 1 | Screw-Metric |
| 839 | 104-3969 | 1 | Fan-Engine |
| 1062 | 99-9163 | 1 | Gasket-Housing, Outlet |
| 1063 | 99-9164 | 1 | Pulley-Pump |
| 1064 | 99-9165 | 1 | Housing-Outlet |
| 1065 | 99-9166 | 1 | Gasket-Housing, Inlet |
| 1066 | 99-9167 | 1 | Housing-Inlet |
| 1067 | 99-9168 | 1 | Gasket-Pump, Water |
| 1087 | 105-3832 | 1 | Pump-Water |
| 154D | 99-9153 | 1 | Nut-Hex, Metric |
| 411B | 99-9159 | 1 | Plug |
| 415A | 99-9158 | 1 | Plug |




Assemblies include all parts shown in frames

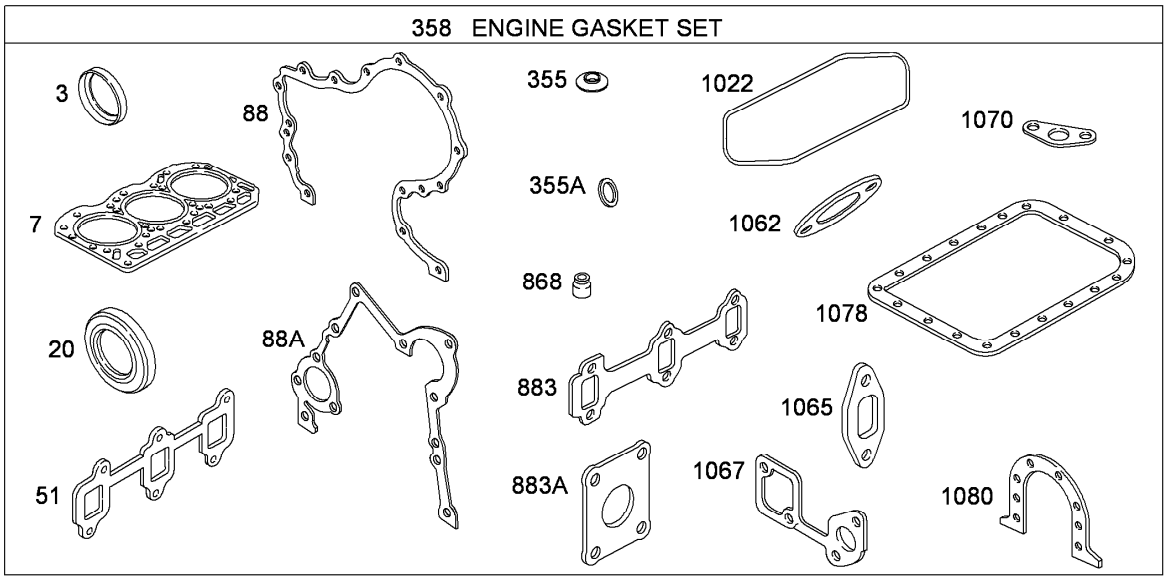
# Manifold Assembly

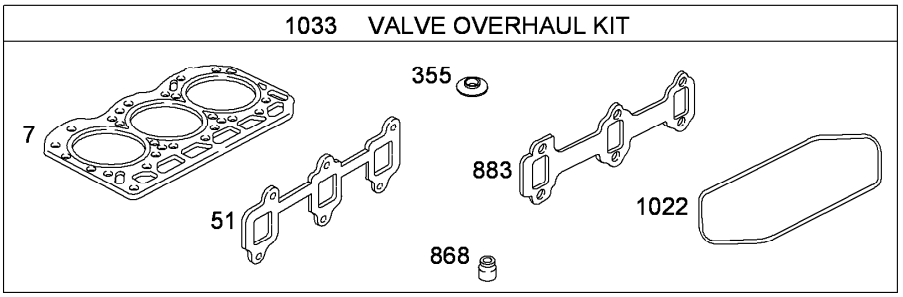
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 38 | 99-9004 | 1 | Screw-Hex |
| 38H | 99-9660 | 3 | Screw-Hex |
| 50 | 99-9661 | 1 | Manifold-Intake |
| 51 | 99-9662 | 1 | Gasket-Intake |
| 436 | 99-9177 | 1 | Manifold-Exhaust |
| 883 | 99-9178 | 1 | Gasket-Exhaust |
| 883A | 99-9179 | 1 | Gasket-Exhaust |
| 112G | 100-6407 | 4 | Stud-Manifold, Exhaust |
| 149B | 99-9114 | 2 | Nut-Hex, Metric |
| 154E | 99-9175 | 6 | Nut-Hex, Metric |
| 154F | 99-9176 | 4 | Nut-Hex |




# Alternator Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 253 | 104-3930 | 1 | Tank-Radiator, Surge |
| 309 | 110-2598 | 1 | Motor-Starter |
| 44D | 99-9201 | 2 | Screw-Hex |
| 474 | 99-9209 | 1 | Alternator |
| 1053 | 115-2292 | 1 | Timer-Glow Plug |
| 1237 | 106-1886 | 1 | Hose / Clamp ASM |
| 149B | 99-9114 | 1 | Nut-Hex, Metric |
| 154G | 99-9206 | 1 | Nut-Hex, Metric |
| 493A | 104-3931 | 1 | Mounting-Tank, Surge |




Assemblies include all parts shown in frames

# Gasket Set and Valve Overhaul Kit

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 3 | 99-9003 | 1 | Seal-Oil |
| 7 | 99-9612 | 1 | Gasket-Head, Cylinder |
| 20 | 99-9126 | 1 | Seal-Oil |
| 51 | 99-9662 | 1 | Gasket-Intake |
| 88 | 99-9653 | 1 | Gasket-Cover, Gear |
| 88A | 99-9136 | 1 | Gasket-Cover, Gear Reduction |
| 355 | 99-9063 | 1 | Washer-Seal |
| 355A | 99-9645 | 1 | Washer-Seal |
| 358 | 99-9667 | 1 | Gasket-Set |
| 868 | 99-9643 | 6 | Seal-Valve |
| 883 | 99-9178 | 1 | Gasket-Exhaust |
| 883A | 99-9179 | 1 | Gasket-Exhaust |
| 1022 | 99-9073 | 1 | Gasket-Cover, Rocker |
| 1033 | 99-9668 | 1 | Valve Overhaul Kit |
| 1062 | 99-9163 | 1 | Gasket-Housing, Outlet |
| 1065 | 99-9166 | 1 | Gasket-Housing, Inlet |
| 1067 | 99-9168 | 1 | Gasket-Pump, Water |
| 1070 | 99-9120 | 1 | Gasket-Strainer, Oil |
| 1078 | 99-9121 | 1 | Gasket-Pan, Oil |
| 1080 | 99-9021 | 1 | Gasket-Retainer |

# Attachments and Accessories

## For 03431 Reelmaster 2000-D Traction Unit

| Product Name | Model/Part |
|---|---|
| 5-Blade 27in Reel Mower | 03210 |
| 5-Blade 32in Reel Mower | 03212 |
| Basket Kit | 03227 |
| 27 inch Wiehle Roller Kit (3 inch Dia) | 03233 |
| 32 inch Wiehle Roller Kit (3 inch dia) | 03234 |
| 8-Blade 27in Reel Mower | 03237 |
| 8-Blade 32in Reel Mower | 03238 |
| 11-Blade 27in Reel Mower | 03239 |
| Three-Wheel Drive Kit | 03429 |
| 27 inch Full Roller Kit | 03440 |
| Lift Arm Kit, Reelmaster 2300-D | 03471 |
| Lift Arm Kit, Reelmaster 2600-D | 03472 |
| 32 inch Full Roller Kit | 03479 |
| Turf Evaluator | 04399 |
| 27 inch Bedknife-Highcut | 104-1380 |
| 32 inch Bedknife-Highcut | 104-1381 |
| High HOC Support Kit | 104-1395 |
| 27 inch Wiehle Roller Scraper Kit (3 inch Dia) | 104-1398 |
| 32 inch Wiehle Roller Scraper Kit (3 inch dia) | 104-1399 |
| 27in Bedknife-Lowcut | 105-6785 |
| Adjustment Gauge Bar ASM | 13-8199 |
| Brush and Handle Kit | 29-9100 |
| Arm Rest Kit | 30707 |
| 27 inch Full Roller Scraper Kit | 60-9560 |
| 27 inch Sectional Roller ASM | 62-4970 |
| 27 inch Anti-Scalp Roller ASM | 63-5090 |
| 27 inch Comb Kit | 67-9400 |
| Weight Kit | 83-9370 |
| Weight | 83-9390-01 |
| Fixed Cutting Unit Kit | 93-6915 |
| 27 inch and 32 inch Skid Kit | 94-3664 |
| Weight-Rear | 94-3698-01 |
| 32 inch Full Roller Scraper Kit | 94-5080 |
| 32 inch Anti-Scalp Roller ASM | 94-5981 |
| 32 inch Sectional Roller ASM | 94-5982 |

## Notes:




**Count on it.**