



Groundsmaster[®] 328-D 4-Wheel Drive Traction Unit

Model No. 30631 - 280000201 and up.

Parts Catalog

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 illustrations and in part lists.

Reference Numbers Indicating Quantity

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

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

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Part Description Abbreviations

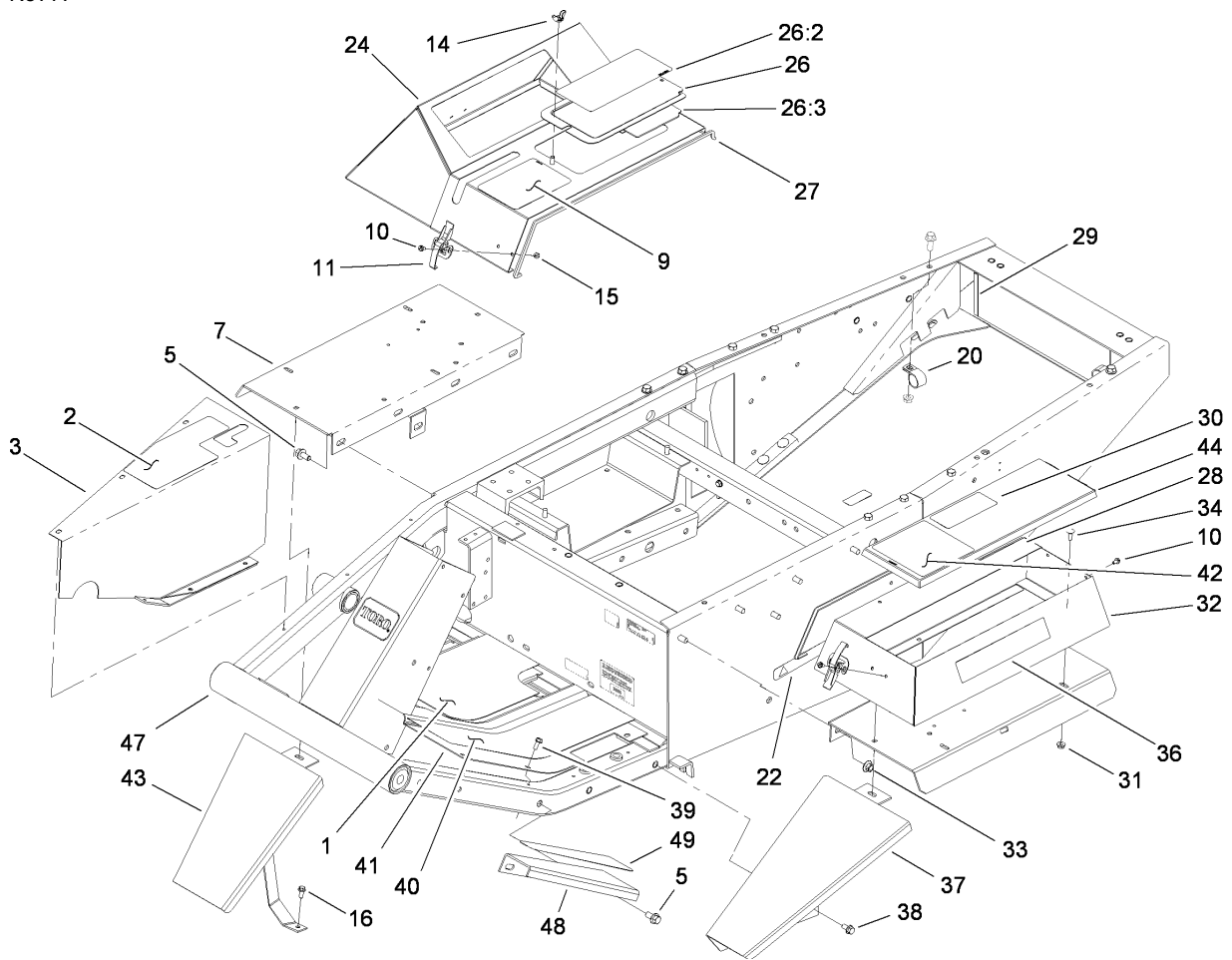
Part descriptions in this catalog may include the following abbreviations.

| | | | |
|-------------|--------------------------------|-------------|----------------------------------|
| AR. | as required | HYD. | hydraulic |
| ASM. | assembly | LH. | left hand |
| BBC. | blade brake clutch | NI. | nylon insert |
| CARR. | carriage | NPTF. | national pipe thread fine |
| DEG. | degrees | PFH. | phillips flat head |
| EXT. | external | PPH. | phillips pan head |
| FH. | flat head | PPHTF. | phillips pan head thread forming |
| GA. | gauge | PRH. | phillips round head |
| HD. | heavy-duty | PTH. | phillips truss head |
| HF. | hex flange | PTO. | power-take-off |
| HH. | hex head | RH. | right hand |
| HHF. | hex head flange | ROPS. | roll-over protection system |
| HHFTF. | hex head flange thread forming | SFH. | slotted fillister head |
| HJ. | hex jam | SHH. | slotted hex head |
| HLH. | hex lag head | SHWH. | slotted hex washer head |
| HOC. | height-of-cut | SPH. | slotted pan head |
| HSBH. | hex socket button head | SQH. | square head |
| HSFH. | hex socket flat head | SRH. | slotted round head |
| HSH. | hex socket head | STD. | standard |
| HWH. | hex washer head | TAP. | self tapping |
| HWHTF. | hex washer head thread forming | TTH. | torx truss head |

Footnotes

❶ Not illustrated

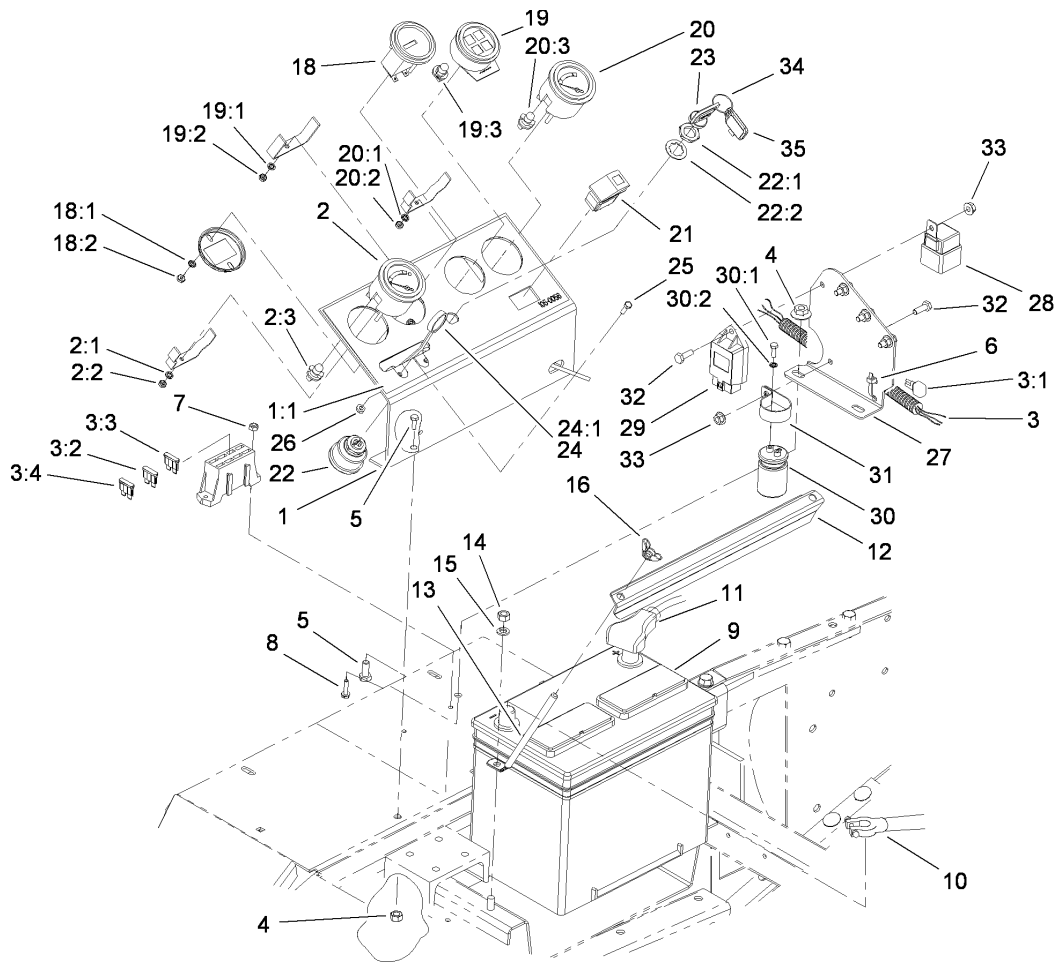
❷ Not serviced separately



Frame Assembly

| Ref | Part No. | Qty. | Description |
|------|-------------|------|-----------------------------|
| 1 | 21-2770 | 1 | Pad-Floor Plate, RH |
| 2 | 105-7823 | 1 | Decal-Caution |
| 3 | 21-2660-01 | 1 | Plate-Side |
| 5 | 3234-12 | 5 | Screw-HHF |
| 7 | 105-2596-01 | 2 | Fender ASM |
| 9 | 107-2918 | 1 | Decal-Danger |
| 10 | 3290-144 | 9 | Screw-SHWH |
| 11 | 249-21 | 3 | Clamp-Slotted |
| 14 | 32103-2 | 1 | Nut-Wing |
| 15 | 3296-2 | 9 | Nut-Lock |
| 16 | 3234-33 | 1 | Screw-HHF |
| 20 | 2412-39 | 2 | R-Clamp |
| 22 | 37-9650 | 1 | Trim-Box, Tool |
| 24 | 38-4550-03 | 1 | Cover-Instruments |
| 26 | 105-2565 | 1 | Battery Cover ASM |
| 26:2 | 107-2927 | 1 | Decal-Starting Instructions |
| 26:3 | 92-7801 | 1 | Shield-Cover, Battery |
| 27 | 39-8020 | 1 | Trim-Cover, Instrument |
| 28 | 114-9600 | 1 | Decal-Low Sulfur |
| 29 | 43-4300 | 2 | Trim-Frame, Rear |
| 30 | 93-7822 | 1 | Decal-Refueling |
| 31 | 32128-33 | 5 | Nut-HF |
| 32 | 93-3182-03 | 1 | Box-Tool |
| 33 | 3290-357 | 6 | Nut-HHF, Whiz |

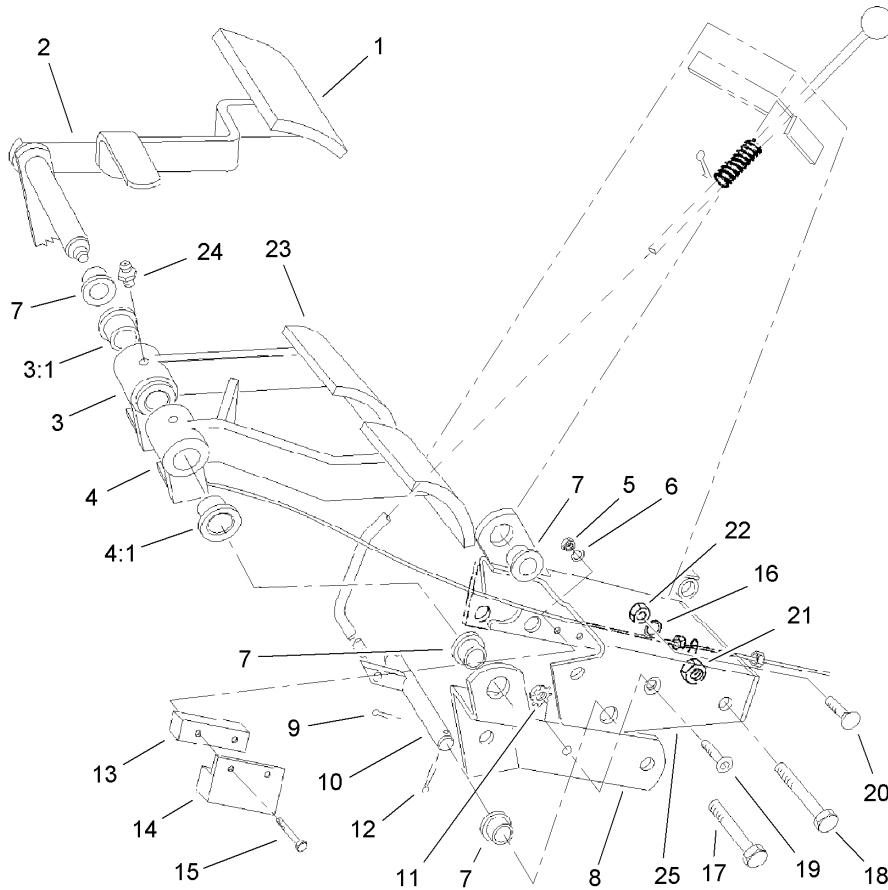
| Ref | Part No. | Qty. | Description |
|-----|------------|------|---------------------|
| 34 | 3229-1 | 5 | Screw-CARR |
| 36 | 72-3560 | 2 | Decal |
| 37 | 68-8610-01 | 1 | Extension-Fender |
| 38 | 3234-14 | 2 | Screw-HHF |
| 39 | 9266714 | 11 | Screw-HWH |
| 40 | 21-2760 | 1 | Pad-Plate Floor, LH |
| 41 | 88-0070-01 | 1 | Plate-Floor |
| 42 | 93-7839 | 1 | Decal-Danger |
| 43 | 93-7626-01 | 1 | Fender-RH |
| 44 | 93-3177-03 | 1 | Cover-Box, Tool |
| 47 | 98-3879 | 1 | Frame ASM |
| 48 | 93-7410-01 | 1 | Panel-Footrest |
| 49 | 66-3200 | 1 | Tread-Footrest, LH |



Control Panel and Battery Assembly

| Ref | Part No. | Qty. | Description |
|-----|------------|------|-------------------------|
| 1 | 105-2917 | 1 | Instrument Panel ASM |
| 1:1 | 105-0056 | 1 | Decal-Panel, Instrument |
| 2 | 98-9339 | 1 | Gauge-Fuel |
| 2:1 | 3254-1 | 3 | Washer-Lock, Int |
| 2:2 | 3217-27 | 3 | Nut-Hex |
| 2:3 | 105-9265 | 1 | Bulb And Lamp ASM |
| 3 | 114-9722 | 1 | Harness-Wire |
| 3:1 | 100-4918 | 2 | Diode |
| 3:2 | 114241 | 1 | Fuse-7.5 Amp |
| 3:3 | 109355 | 1 | Fuse-15 Amp |
| 3:4 | 218-578 | 1 | Fuse-10 Amp |
| 4 | 32128-44 | 4 | Nut |
| 5 | 322-3 | 4 | Screw-HH |
| 6 | 3290-379 | 2 | Tie-Cable |
| 7 | 3296-2 | 2 | Nut-Lock |
| 8 | 32105-13 | 2 | Screw-HWH |
| 9 | 106-5190 | 1 | Battery |
| 10 | 104-9497 | 1 | Cable-Battery, Negative |
| 11 | 95-8853 | 1 | Cable-Battery, Positive |
| 12 | 24-6420-03 | 1 | Holddown-Battery |
| 13 | 24-6390 | 2 | Stud-Holddown, Battery |
| 14 | 3217-6 | 2 | Nut-Hex |
| 15 | 3253-4 | 2 | Washer-Lock |
| 16 | 32103-2 | 2 | Nut-Wing |

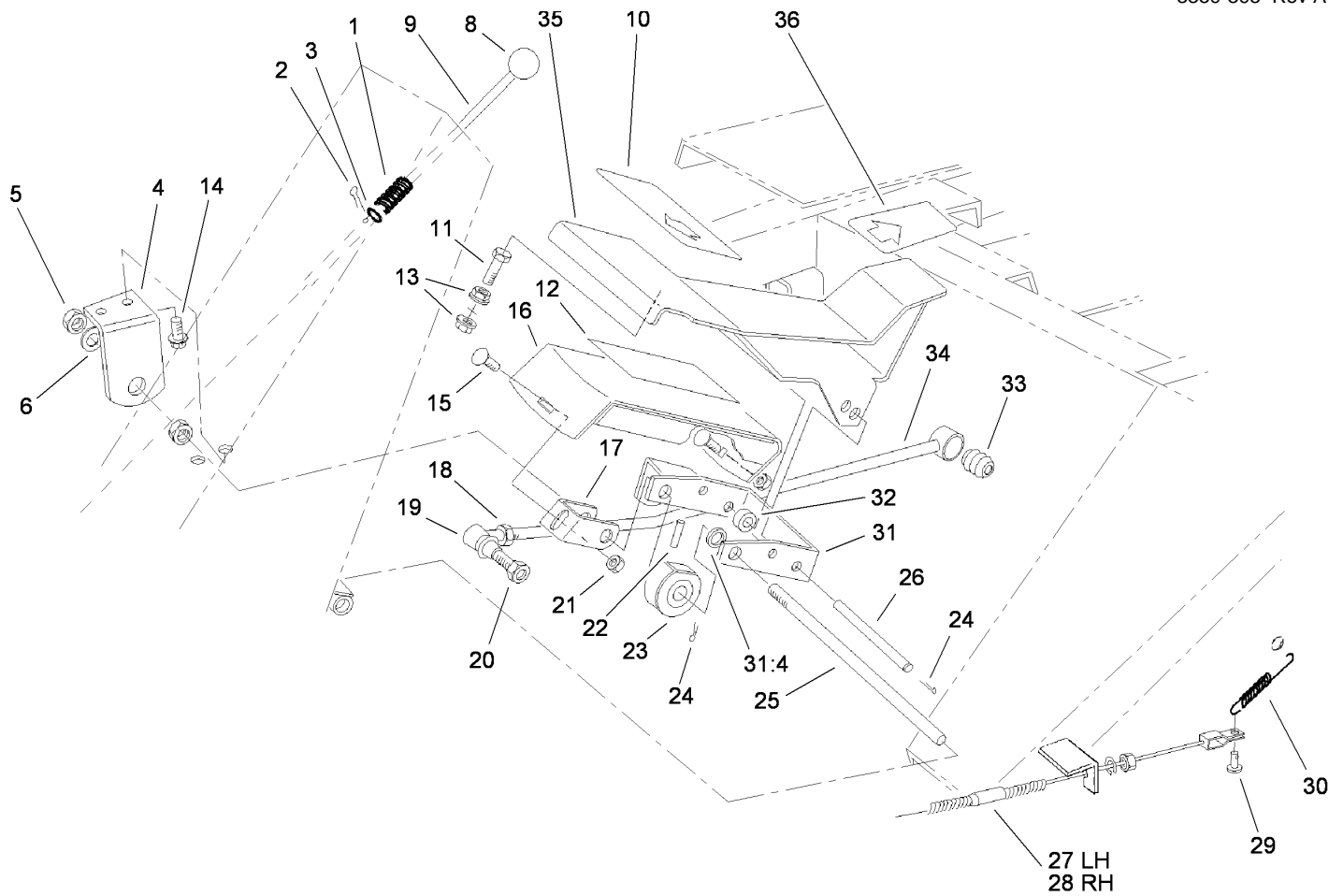
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|------|-------------|------|-------------------|
| 18 | 66-2950 | 1 | Gauge-Hourmeter |
| 18:1 | 3255-20 | 2 | Washer-Lock |
| 18:2 | 3217-25 | 2 | Nut-Hex |
| 19 | 112-6561 | 1 | Warning Light ASM |
| 19:1 | 3254-1 | 1 | Washer-Lock, Int |
| 19:2 | 3217-27 | 1 | Nut-Hex |
| 19:3 | 105-9264 | 4 | Bulb And Lamp ASM |
| 20 | 98-9308 | 1 | Gauge-Temperature |
| 20:1 | 3254-1 | 3 | Washer-Lock, Int |
| 20:2 | 3217-27 | 3 | Nut-Hex |
| 20:3 | 105-9265 | 1 | Bulb And Lamp ASM |
| 21 | 100-8072 | 1 | Switch |
| 22 | 104-2541 | 1 | Switch ASM |
| 22:1 | 218-461 | 1 | Nut-HH |
| 22:2 | 3254-5 | 1 | Washer-Tooth |
| 23 | 63-8360 | 2 | Key-Ignition |
| 24 | 43-3990 | 1 | Control-Throttle |
| 24:1 | 233-35 | 1 | Knob |
| 25 | 3290-134 | 2 | Screw |
| 26 | 3296-12 | 2 | Nut-Lock |
| 27 | 105-0002-01 | 1 | Bracket-Relay |
| 28 | 99-7430 | 4 | Relay |
| 29 | 98-7611 | 1 | Controller-Glow |
| 30 | 37-2690 | 1 | Capacitor |



Brake Pedal Assembly

| Ref | Part No. | Qty. | Description |
|-----|------------|------|-------------------------|
| 1 | 93-8742 | 1 | Footpad-Brake |
| 2 | 27-8550-01 | 1 | Parking Brake Pedal ASM |
| 3 | 27-7510 | 1 | RH Brake Pedal ASM |
| 3:1 | 256-10 | 2 | Bushing-Flange |
| 4 | 27-7490 | 1 | LH Brake Pedal ASM |
| 4:1 | 256-10 | 2 | Bushing-Flange |
| 5 | 3296-2 | 2 | Nut-Lock |
| 6 | 3256-51 | 4 | Washer-Flat |
| 7 | 256-156 | 4 | Bushing-Flange |
| 8 | 27-9270-01 | 1 | Pivot Shaft Mount ASM |
| 9 | 3272-5 | 2 | Pin-Cotter |
| 10 | 105-0065 | 1 | Parking Brake Shaft ASM |
| 11 | 32149-2 | 1 | Nut-Keps |
| 12 | 3272-6 | 2 | Pin-Cotter |
| 13 | 105-0064 | 1 | Spacer-Switch |
| 14 | 100-1270 | 1 | Switch-Proximity |
| 15 | 3290-360 | 2 | Screw-HH |
| 16 | 3253-21 | 2 | Washer-Lock |
| 17 | 323-13 | 1 | Screw-HH |
| 18 | 323-14 | 1 | Screw-HH |
| 19 | 3274-47 | 1 | Screw-HSFH |
| 20 | 3231-21 | 2 | Screw-CARR |
| 21 | 32153-2 | 2 | Nut-Lock, Side |
| 22 | 3217-7 | 2 | Nut-Hex |

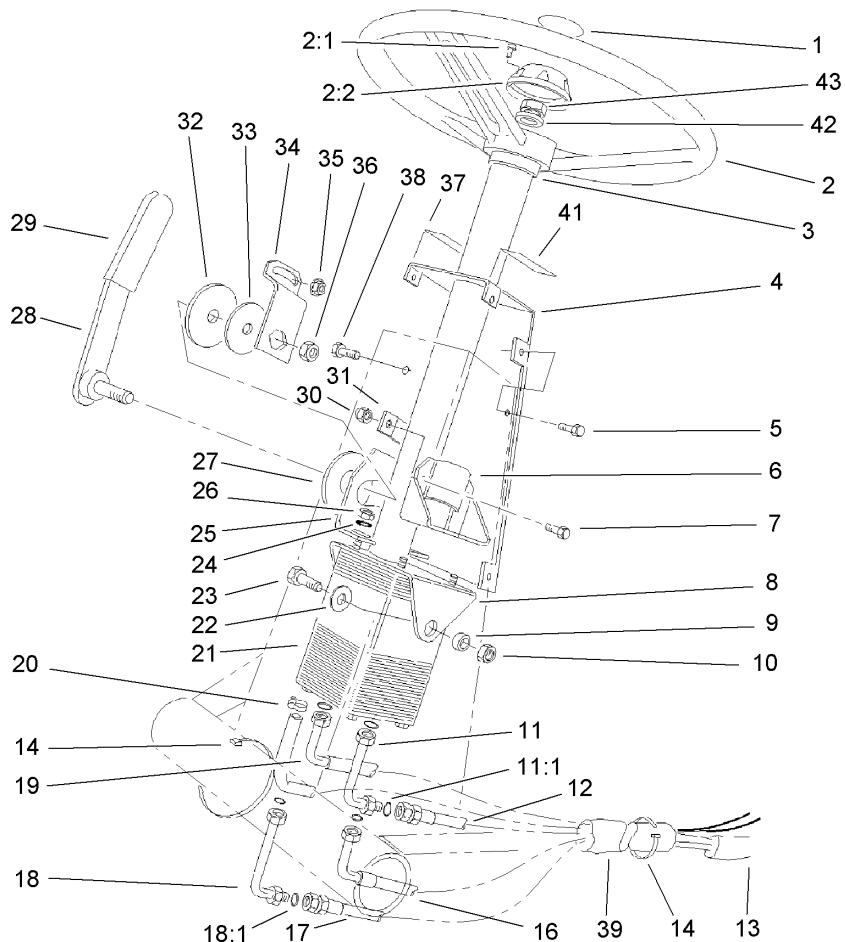
| Ref | Part No. | Qty. | Description |
|-----|-------------|------|-----------------------|
| 23 | 93-8743 | 2 | Footpad-Turn |
| 24 | 302-5 | 2 | Fitting-Grease |
| 25 | 105-0066-01 | 1 | Brake Pedal Mount ASM |



Traction Pedal Assembly

| Ref | Part No. | Qty. | Description |
|-----|------------|------|-----------------------|
| 1 | 95-1821 | 1 | Spring-Compression |
| 2 | 3272-5 | 1 | Pin-Cotter |
| 3 | 3256-22 | 1 | Washer-Flat |
| 4 | 21-2850-01 | 1 | Mount-Pedal, RH |
| 5 | 3218-5 | 2 | Nut-Jam |
| 6 | 3256-26 | 1 | Washer-Flat |
| 8 | 233-17 | 1 | Knob |
| 9 | 82-8670 | 1 | Rod-Latch, Brake |
| 10 | 94-3307 | 1 | Pad-Pedal, Traction |
| 11 | 323-15 | 1 | Screw-HH |
| 12 | 88-1720 | 1 | Pad-Footrest |
| 13 | 32128-43 | 2 | Nut-Flange |
| 14 | 11-0590 | 2 | Screw-HWHTF |
| 15 | 3230-1 | 2 | Bolt-CARR |
| 16 | 88-1710-01 | 1 | Footrest ASM |
| 17 | 88-1680-01 | 1 | Bracket-Footrest |
| 18 | 3220-5 | 1 | Nut-Jam |
| 19 | 21-0141-03 | 1 | RH Ball Joint ASM |
| 20 | 3220-3 | 2 | Nut-HJ |
| 21 | 32128-20 | 2 | Nut-HF |
| 22 | 32121-6 | 1 | Pin-Roll, Slotted |
| 23 | 28-5220 | 1 | Friction Wheel ASM |
| 24 | 3272-6 | 4 | Pin-Cotter |
| 25 | 88-1650 | 1 | Shaft-Pedal, Traction |

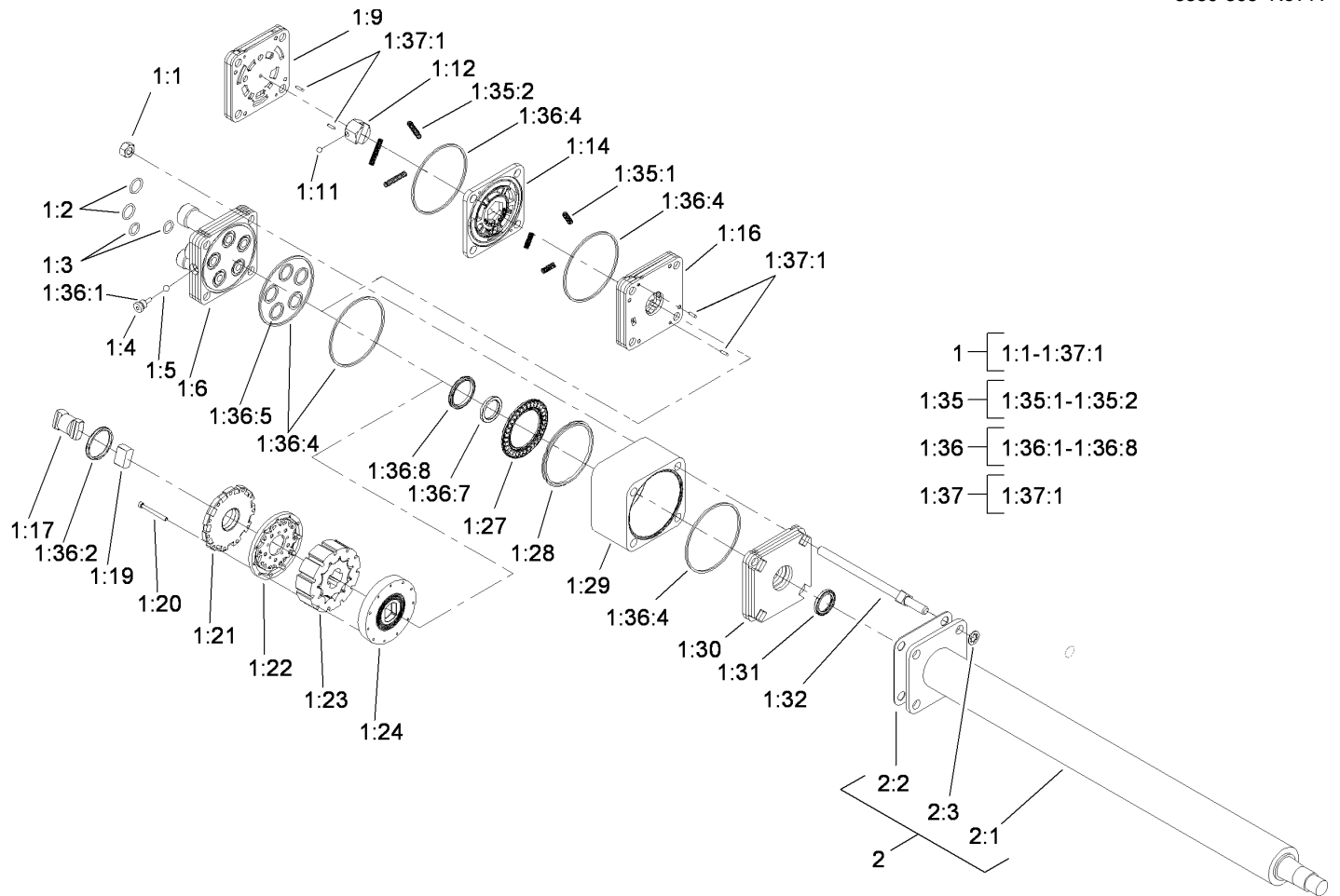
| Ref | Part No. | Qty. | Description |
|------|------------|------|-----------------------|
| 26 | 88-1640 | 1 | Pin-Pedal, Traction |
| 27 | 108-1380 | 1 | LH Brake Cable ASM |
| 28 | 108-1379 | 1 | RH Brake Cable ASM |
| 29 | 283-58 | 2 | Pin-Clevis |
| 30 | 3-7243 | 2 | Spring-Extension |
| 31 | 88-1670 | 1 | Pivot Bracket ASM |
| 31:4 | 256-156 | 2 | Bushing-Flange |
| 32 | 88-0470 | 1 | Tube-Spacer, Pedal |
| 33 | 23-2270 | 1 | Bushing-Rubber |
| 34 | 23-2240-03 | 1 | Pump Control Tube ASM |
| 35 | 94-3304-01 | 1 | Support-Pedal |
| 36 | 94-3308 | 1 | Pad-Pedal, Traction |



Power Steering Assembly

| Ref | Part No. | Qty. | Description |
|------|------------|------|----------------------------|
| 1 | 68-5370 | 1 | Decal |
| 2 | 75-0560 | 1 | Wheel-Steering |
| 2:1 | 32144-21 | 1 | Screw |
| 2:2 | 68-5140 | 1 | Cap-Wheel, Steering |
| 3 | 21-9260 | 1 | Cover-Dust |
| 4 | 82-8660-01 | 1 | Cover-Tower |
| 5 | 32144-10 | 6 | Screw-HWH |
| 6 | 67-8690-03 | 1 | Support-Column |
| 7 | 322-5 | 2 | Screw-HH |
| 8 | 77-3120-01 | 1 | Bracket-Mounting, Column |
| 9 | 80-2960 | 2 | Spacer-Tower |
| 10 | 3296-39 | 2 | Nut-Lock, NI |
| 11 | 82-8760 | 1 | Elbow-HYD |
| 11:1 | 237-30 | 1 | O-Ring |
| 12 | 63-8970 | 1 | Hose-HYD |
| 13 | 70-1390 | 1 | Sleeve-Protective |
| 14 | 3290-379 | 4 | Tie-Cable |
| 16 | 68-9730 | 1 | Hose-Steering, HYD |
| 17 | 68-9720 | 1 | Hose-Steering, HYD |
| 18 | 82-8770 | 1 | Elbow-HYD |
| 18:1 | 237-22 | 1 | O-Ring |
| 19 | 63-8980 | 1 | Hose-HYD |
| 20 | 2412-36 | 1 | Clamp-Hose |
| 21 | 108-6557 | 1 | Steer Valve And Column ASM |

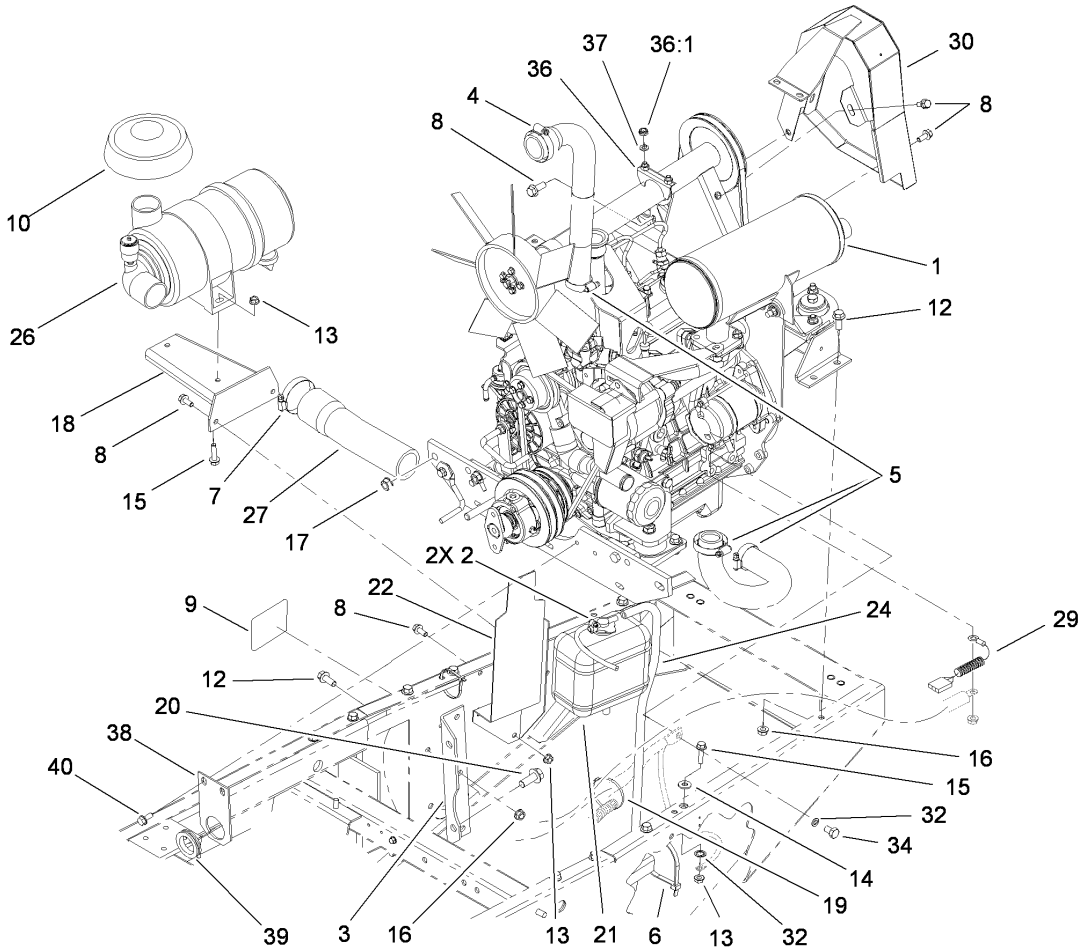
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|-----|------------|------|----------------------|
| 22 | 3256-46 | 2 | Washer-Flat |
| 23 | 323-6 | 2 | Screw-HH |
| 24 | 3256-3 | 4 | Washer-Flat |
| 25 | 80-2940-03 | 1 | Plate-Pivot |
| 26 | 3296-20 | 4 | Nut-Lock, NI |
| 27 | 31-0390 | 1 | Disc-Friction |
| 28 | 108-6092 | 1 | Lever-Steering, Tilt |
| 29 | 21-1880 | 1 | Grip-Handle |
| 30 | 3296-29 | 2 | Nut-Lock, NI |
| 31 | 82-8650 | 1 | Clamp-Column |
| 32 | 82-9010 | 1 | Disc-Friction |
| 33 | 80-2930 | 1 | Washer-Flat |
| 34 | 80-2880 | 1 | Bracket-Tilt |
| 35 | 32128-20 | 1 | Nut-HF |
| 36 | 3218-7 | 1 | Nut-Jam |
| 37 | 82-8940 | 1 | Decal-Steering, Tilt |
| 38 | 322-4 | 1 | Screw-HH |
| 39 | 70-1380 | 1 | Sleeve-Protective |
| 41 | 93-7831 | 1 | Decal-Brake, Parking |
| 42 | 3256-27 | 1 | Washer-Flat |
| 43 | 3296-33 | 1 | Nut-Lock, NI |



Steer Valve and Column Assembly No. 108-6557

| Ref | Part No. | Qty. | Description |
|-------|----------|------|-------------------------|
| 1 | | 1 | Power Steering Unit ASM |
| ②1:1 | | 4 | Nut-Hex |
| 1:2 | 237-30 | 2 | O-Ring |
| 1:3 | 237-22 | 2 | O-Ring |
| ②1:4 | | 1 | Plug And O-Ring ASM |
| ②1:5 | | 1 | Ball-Steel |
| ②1:6 | | 1 | Port-Cover |
| ②1:9 | | 1 | Manifold-Port |
| ②1:11 | | 1 | Ball-Nylon |
| ②1:12 | | 1 | Hex Drive ASM |
| ②1:14 | | 1 | Valve And Ring ASM |
| ②1:16 | | 1 | Manifold-Isolation |
| ②1:17 | | 1 | Link-Drive |
| ②1:19 | | 1 | Spacer-Link, Drive |
| ②1:20 | | 11 | Screw-HSH |
| ②1:21 | | 1 | Cover-Commutator |
| ②1:22 | | 1 | Commutator And Ring ASM |
| ②1:23 | | 1 | Gerotor ASM |
| ②1:24 | | 1 | Plate-Drive |
| ②1:27 | | 1 | Bearing |
| ②1:28 | | 1 | Spacer-Bearing |
| ②1:29 | | 1 | Ring-Metering |
| ②1:30 | | 1 | Cover-Upper |
| 1:31 | 114-2879 | 1 | Seal-Lip |

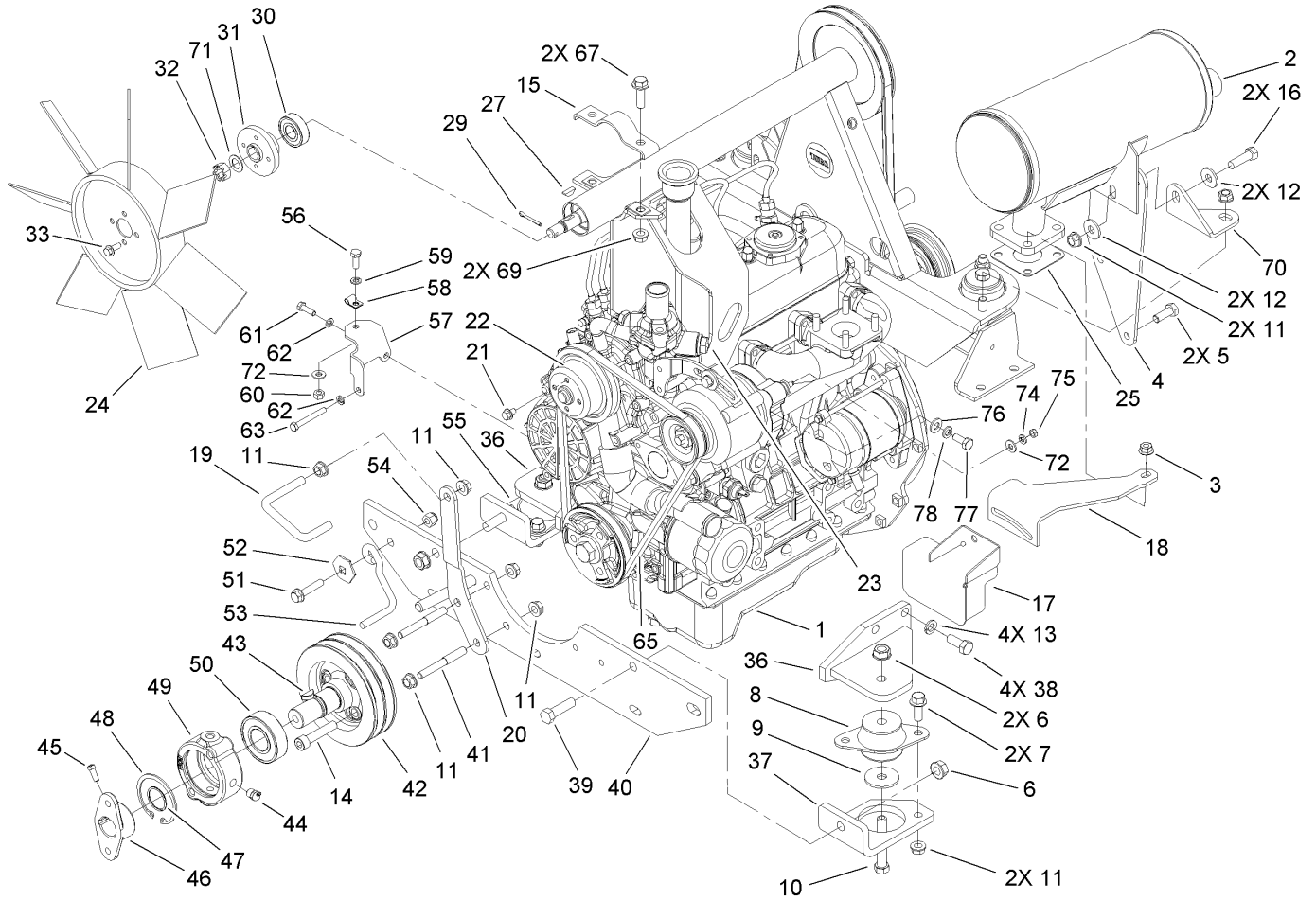
| Ref | Part No. | Qty. | Description |
|---------|----------|------|--------------------|
| 1:32 | 92-7310 | 4 | Bolt-Special |
| ①1:35 | 66-9970 | 1 | Spring Kit |
| ②1:35:1 | | 3 | Gv-Spring |
| ②1:35:2 | | 3 | Spring |
| ①1:36 | 66-9980 | 1 | Seal Kit |
| ②1:36:1 | | 1 | O-Ring |
| ②1:36:2 | | 1 | Seal |
| ②1:36:4 | | 5 | Seal Ring |
| ②1:36:5 | | 5 | O-Ring |
| ②1:36:7 | | 1 | Seal Spacer |
| ②1:36:8 | | 1 | Seal Face |
| ①1:37 | 66-9990 | 1 | Needle Roller Kit |
| ②1:37:1 | | 9 | Needle-Roller |
| 2 | 108-6560 | 1 | Column ASM |
| ②2:1 | | 1 | Column ASM |
| 2:2 | 114-2881 | 1 | Upper Cover Gasket |
| 2:3 | 92-7316 | 4 | Nut-Push On |



Engine Installation Assembly

| Ref | Part No. | Qty. | Description |
|-----|-------------|------|-------------------------|
| 1 | | 1 | Engine ASM |
| 2 | 2412-108 | 2 | Clamp-Worm |
| 3 | 67-8190-01 | 2 | Bracket-Support, Engine |
| 4 | 2412-3 | 1 | Clamp-Hose |
| 5 | 2412-111 | 3 | Clamp |
| 6 | 3334-945 | 1 | Tie-Cable |
| 7 | 2412-130 | 2 | Clamp-Hose |
| 8 | 3234-5 | 9 | Screw-HHF |
| 9 | 93-7275 | 1 | Decal-Fluid, Starting |
| 10 | 105-2539 | 1 | Cap ASM |
| 12 | 3234-11 | 10 | Screw-HHF |
| 13 | 32128-20 | 6 | Nut-HF |
| 14 | 3256-3 | 1 | Washer-Flat |
| 15 | 3234-36 | 3 | Screw-HHF |
| 16 | 3290-357 | 10 | Nut-HHF, Whiz |
| 17 | 32128-23 | 2 | Nut-HF |
| 18 | 98-4518-03 | 1 | Bracket-Cleaner, Air |
| 19 | 3290-378 | 1 | Tie-Cable |
| 20 | 3234-32 | 2 | Screw-HHF |
| 21 | 104-9318 | 1 | Bottle-Overflow |
| 22 | 105-0050-03 | 1 | Reservoir Bracket ASM |
| 24 | 110-3257 | 1 | Hose-Fuel |
| 26 | 104-3428 | 1 | Air Cleaner ASM |
| 27 | 104-3434 | 1 | Hose-Inlet, Air |

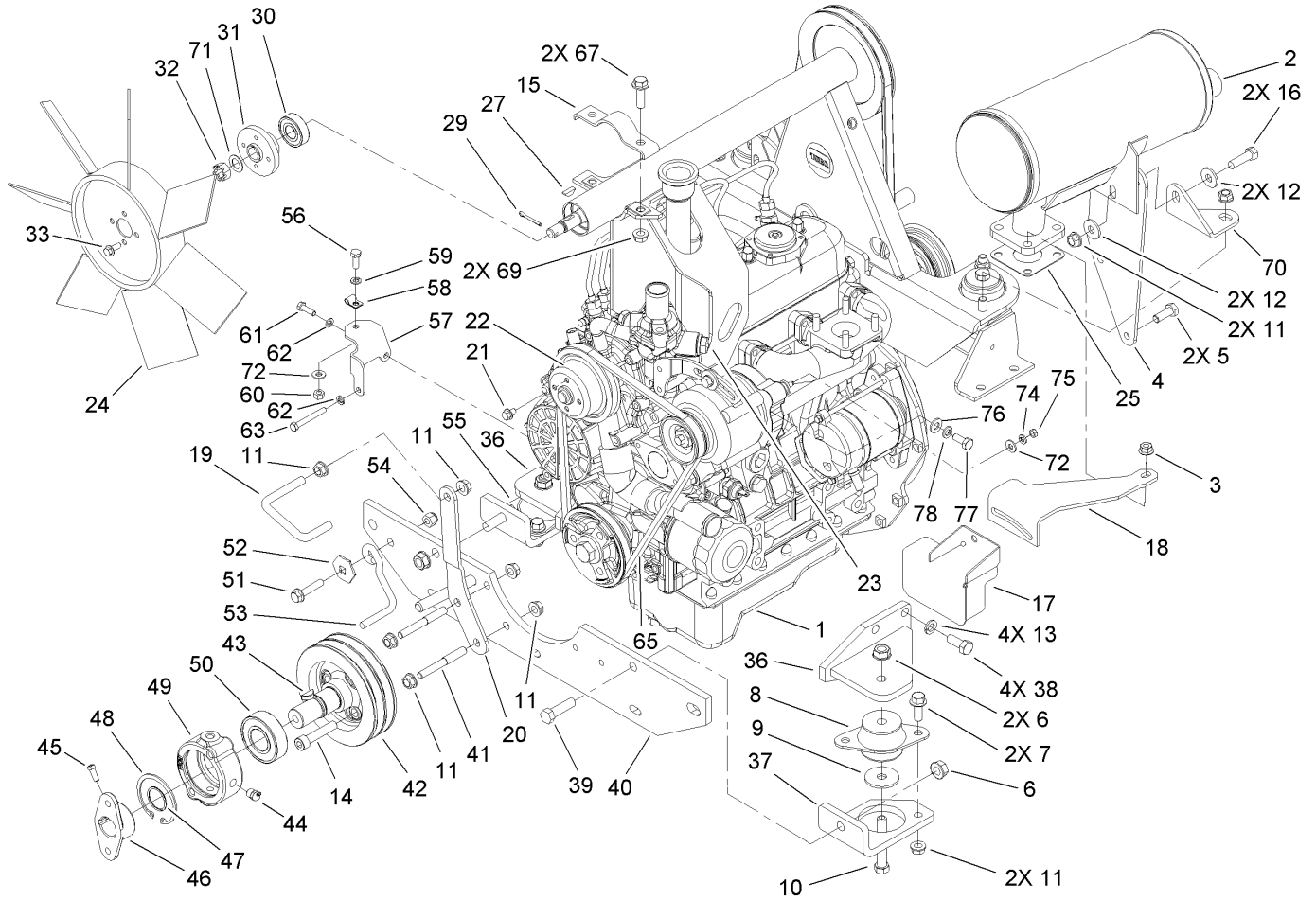
| Ref | Part No. | Qty. | Description |
|------|-------------|------|----------------------------|
| 29 | 99-3441 | 1 | Harness-Wire, Fusible Link |
| 30 | 105-7807-03 | 1 | Guard-Belt, Fan |
| 32 | 3254-6 | 2 | Washer-Lock, Internal |
| 34 | 70-8470 | 1 | Screw-HH |
| 36 | 2112-6 | 1 | Clamp-Muffler |
| 36:1 | 3218-2 | 2 | Nut-Jam |
| 37 | 3253-4 | 2 | Washer-Lock |
| 38 | 104-3774-03 | 1 | Bracket-Bulkhead |
| 39 | 240-7 | 1 | Grommet-Rubber |
| 40 | 32144-11 | 2 | Screw-HWHTF |



Engine Mounting and Component Assembly

| Ref | Part No. | Qty. | Description |
|-----|-------------|------|-------------------------|
| 1 | 114-2890 | 1 | Engine ASM |
| 2 | 106-8069 | 1 | Muffler-Exhaust |
| 3 | 33004-00 | 4 | Nut-HF |
| 4 | 105-2523-03 | 1 | Bracket-Muffler |
| 5 | 33114-016 | 2 | Screw-HH |
| 6 | 3296-48 | 6 | Nut-Lock, NI |
| 7 | 3234-11 | 4 | Screw-HHF |
| 8 | 53-9680 | 2 | Mount-Engine |
| 9 | 53-9480 | 2 | Washer-Snubber |
| 10 | 324-11 | 2 | Screw-HH |
| 11 | 3290-357 | 12 | Nut-HHF, Whiz |
| 12 | 80-6990 | 4 | Washer-Hardened |
| 13 | 42-9600 | 8 | Washer-Lock, Spring |
| 14 | 3274-106 | 3 | Screw-HSH |
| 15 | 105-2519-03 | 1 | Clamp-Cradle |
| 16 | 323-44 | 2 | Screw-HH |
| 17 | 110-9679-03 | 1 | Guard-Alternator |
| 18 | 105-2556-03 | 1 | Brace-Alternator, Upper |
| 19 | 105-4276 | 1 | Guide-Belt, PTO |
| 20 | 105-0052-03 | 1 | Bracket-Guide, Belt |
| 21 | 81-1280 | 4 | Screw-HHF |
| 22 | 98-9584 | 1 | Pulley-Fan |
| 23 | 98-9346 | 1 | Sender-Temperature |
| 24 | 107-9096 | 1 | Fan-Cooling |

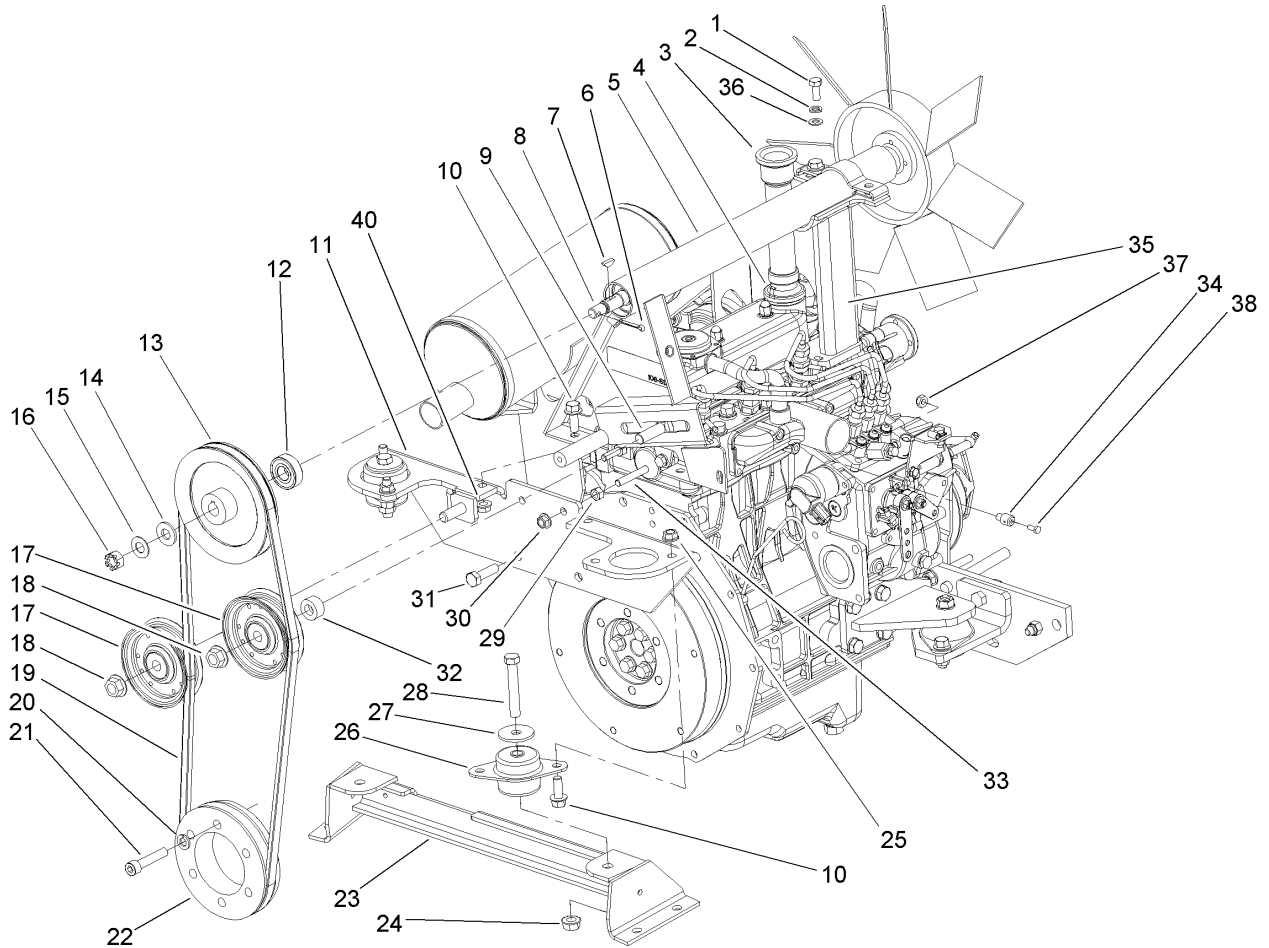
| Ref | Part No. | Qty. | Description |
|-----|-------------|------|-------------------------|
| 25 | 98-9611 | 1 | Gasket |
| 27 | 3257-30 | 1 | Key-Woodruff |
| 29 | 3272-16 | 1 | Pin-Cotter |
| 30 | 38-7820 | 1 | Bearing-Ball |
| 31 | 104-3408-03 | 1 | Hub-Fan |
| 32 | 32136-3 | 1 | Nut-SHH |
| 33 | 3234-33 | 4 | Screw-HHF |
| 36 | 104-3463-03 | 2 | Front Mount ASM |
| 37 | 104-3464-03 | 1 | Mount-Frame, Front (LH) |
| 38 | 43-0090 | 8 | Screw-HH |
| 39 | 324-6 | 4 | Screw-HH |
| 40 | 75-9900-01 | 1 | Support-Engine, Front |
| 41 | 105-0057 | 2 | Stud-Retainer, Belt |
| 42 | 104-3406-03 | 1 | Pulley-Fan |
| 43 | 3257-33 | 1 | Key-Woodruff |
| 44 | 302-10 | 1 | Fitting-Grease |
| 45 | 3241-5 | 2 | Screw-Set |
| 46 | 110-5236 | 1 | Hub-Engine |
| 47 | 32120-69 | 1 | Ring-Snap |
| 48 | 32120-22 | 1 | Ring-Snap, Internal |
| 49 | 43-3720 | 1 | Collar-Bearing |
| 50 | 251-252 | 1 | Bearing |
| 51 | 3234-18 | 1 | Screw-HHF |
| 52 | 3290-224 | 1 | Lockwasher-Pyramid |



Engine Mounting and Component Assembly (continued)

| Ref | Part No. | Qty. | Description |
|-----|-------------|------|-------------------------|
| 53 | 63-1400 | 1 | Rod-Belt |
| 54 | 3296-39 | 1 | Nut-Lock, NI |
| 55 | 104-3465-03 | 1 | Mount-Frame, Front (RH) |
| 56 | 321-4 | 1 | Screw-HH |
| 57 | 104-3421-03 | 1 | Bracket-Throttle |
| 58 | 2412-31 | 1 | Clamp-Boden |
| 59 | 3253-3 | 1 | Washer-Lock |
| 60 | 3217-5 | 1 | Nut-Hex |
| 61 | 33113-050 | 1 | Screw-HH |
| 62 | 48-8020 | 2 | Washer-Spring |
| 63 | 48-7630 | 1 | Screw |
| 65 | 98-9676 | 1 | V-Belt |
| 67 | 3234-24 | 2 | Screw-HHF |
| 69 | 3296-39 | 2 | Nut-Lock, NI |
| 70 | 105-2598-03 | 1 | Bracket-Muffler |
| 71 | 18-9810 | 1 | Washer-Thrust |
| 72 | 3256-22 | 2 | Washer-Flat |
| 74 | 43-5930 | 1 | Washer-Spring |
| 75 | 33013-00 | 1 | Nut-Hex |
| 76 | 33094-00 | 1 | Washer-Plain |
| 77 | 92-1374 | 1 | Screw-HH |
| 78 | 3253-4 | 1 | Washer-Lock |

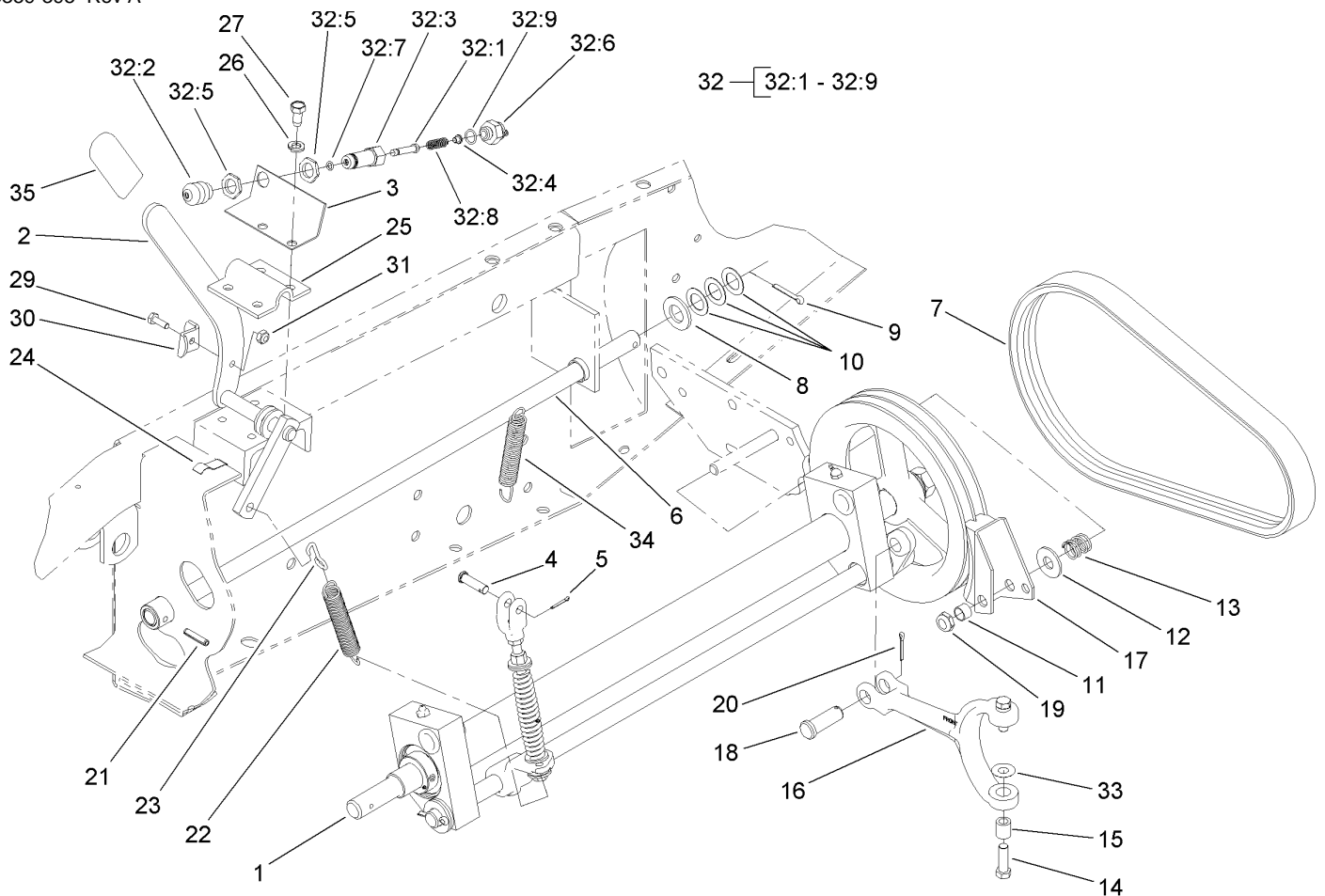
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Engine Pulley System Assembly

| Ref | Part No. | Qty. | Description |
|-----|-------------|------|---------------------|
| 1 | 93-7773 | 2 | Screw-HHF |
| 2 | 3253-4 | 2 | Washer-Lock |
| 3 | 105-0087 | 1 | Flange-Filler, Oil |
| 4 | 98-7430 | 1 | O-Ring |
| 5 | 106-4399 | 1 | Fan-Support ASM |
| 6 | 3272-16 | 1 | Pin-Cotter |
| 7 | 3257-30 | 1 | Key-Woodruff |
| 8 | 43-3690 | 1 | Shaft-Fan |
| 9 | 3233-14 | 1 | Screw-CARR |
| 10 | 3234-11 | 6 | Screw-HHF |
| 11 | 105-2501-03 | 1 | Engine Mount ASM |
| 12 | 38-7820 | 1 | Bearing-Ball |
| 13 | 105-2524 | 1 | Pulley |
| 14 | 18-9810 | 2 | Washer-Thrust |
| 15 | 29-8910 | 1 | Washer |
| 16 | 32136-3 | 1 | Nut-SHH |
| 17 | 105-3699 | 2 | Pulley-Idler, Flat |
| 18 | 32128-23 | 2 | Nut-HF |
| 19 | 105-3693 | 1 | Belt-Fan |
| 20 | 42-9600 | 6 | Washer-Lock, Spring |
| 21 | 3274-106 | 6 | Screw-HSH |
| 22 | 104-3407 | 1 | Pulley-Engine, Rear |
| 23 | 105-2520-03 | 1 | Engine Mount ASM |
| 24 | 3296-48 | 2 | Nut-Lock, NI |

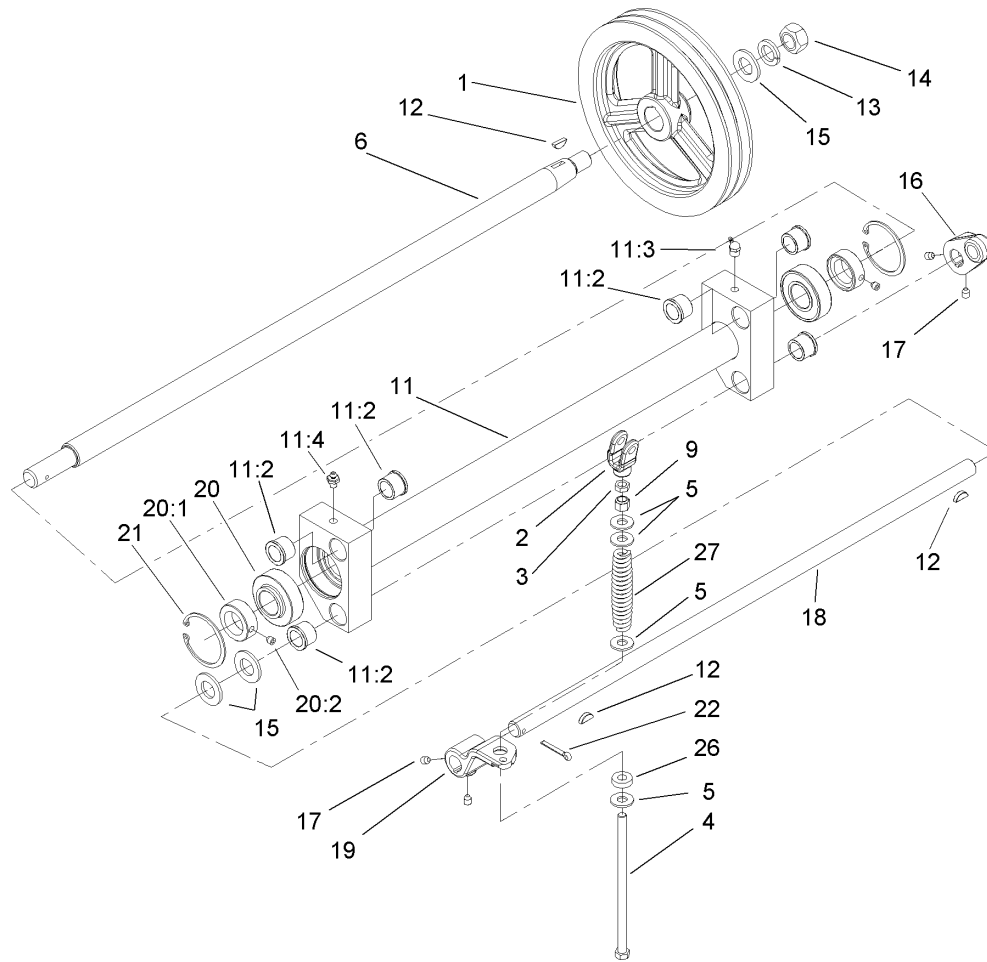
| Ref | Part No. | Qty. | Description |
|-----|-------------|------|------------------------|
| 25 | 3290-357 | 4 | Nut-HHF, Whiz |
| 26 | 53-9680 | 2 | Mount-Engine |
| 27 | 53-9480 | 2 | Washer-Snubber |
| 28 | 324-11 | 2 | Screw-HH |
| 29 | 33014-00 | 2 | Nut-Hex |
| 30 | 33004-00 | 2 | Nut-HF |
| 31 | 56-2140 | 2 | Bolt |
| 32 | 105-0058 | 1 | Spacer-Idler, Fan |
| 33 | 105-2502 | 2 | Stud |
| 34 | 105-4263 | 1 | Swivel-Cable, Throttle |
| 35 | 105-2507-03 | 1 | Cradle-Support, Tube |
| 36 | 68-0020 | 2 | Spacer-Pivot, Idler |
| 37 | 3296-20 | 1 | Nut-Lock, NI |
| 38 | 25-8640 | 1 | Screw-HH, |
| 40 | 32128-21 | 2 | Nut-HF |



Power-Take-Off and Shaft Assembly

| Ref | Part No. | Qty. | Description |
|-----|-------------|------|-----------------------|
| 1 | | 1 | PTO ASM |
| 2 | 84-8500-01 | 1 | Lever-PTO |
| 3 | 84-8520-01 | 1 | Bracket-Switch, PTO |
| 4 | 283-42 | 1 | Pin-Clevis |
| 5 | 3272-6 | 1 | Pin-Cotter |
| 6 | 43-3860 | 1 | Shaft-Pivot, PTO |
| 7 | 106-4383 | 1 | V-Belt |
| 8 | 3256-28 | 1 | Washer-Flat |
| 9 | 3272-22 | 1 | Pin-Cotter |
| 10 | 3-6498 | 3 | Washer-Thrust |
| 11 | 3-8812 | 1 | Spacer-Spring, Anchor |
| 12 | 3256-6 | 1 | Washer-Flat |
| 13 | 5-1747 | 1 | Spring-Adjustment |
| 14 | 92-5727 | 2 | Screw-Lock, Patch |
| 15 | 92-5723 | 2 | Bushing-Fork, PTO |
| 16 | 110-9681-03 | 1 | Fork-PTO |
| 17 | 27-7370 | 1 | PTO Brake ASM |
| 18 | 93-3769 | 1 | Pin-Clevis |
| 19 | 3296-28 | 1 | Nut-Lock, NI |
| 20 | 3272-11 | 1 | Pin-Cotter |
| 21 | 32121-9 | 1 | Pin-Roll, Slotted |
| 22 | 21-1830 | 1 | Spring-Extension |
| 23 | 5-0701 | 1 | Anchor |
| 24 | 212-93 | 3 | Clamp-Casing |

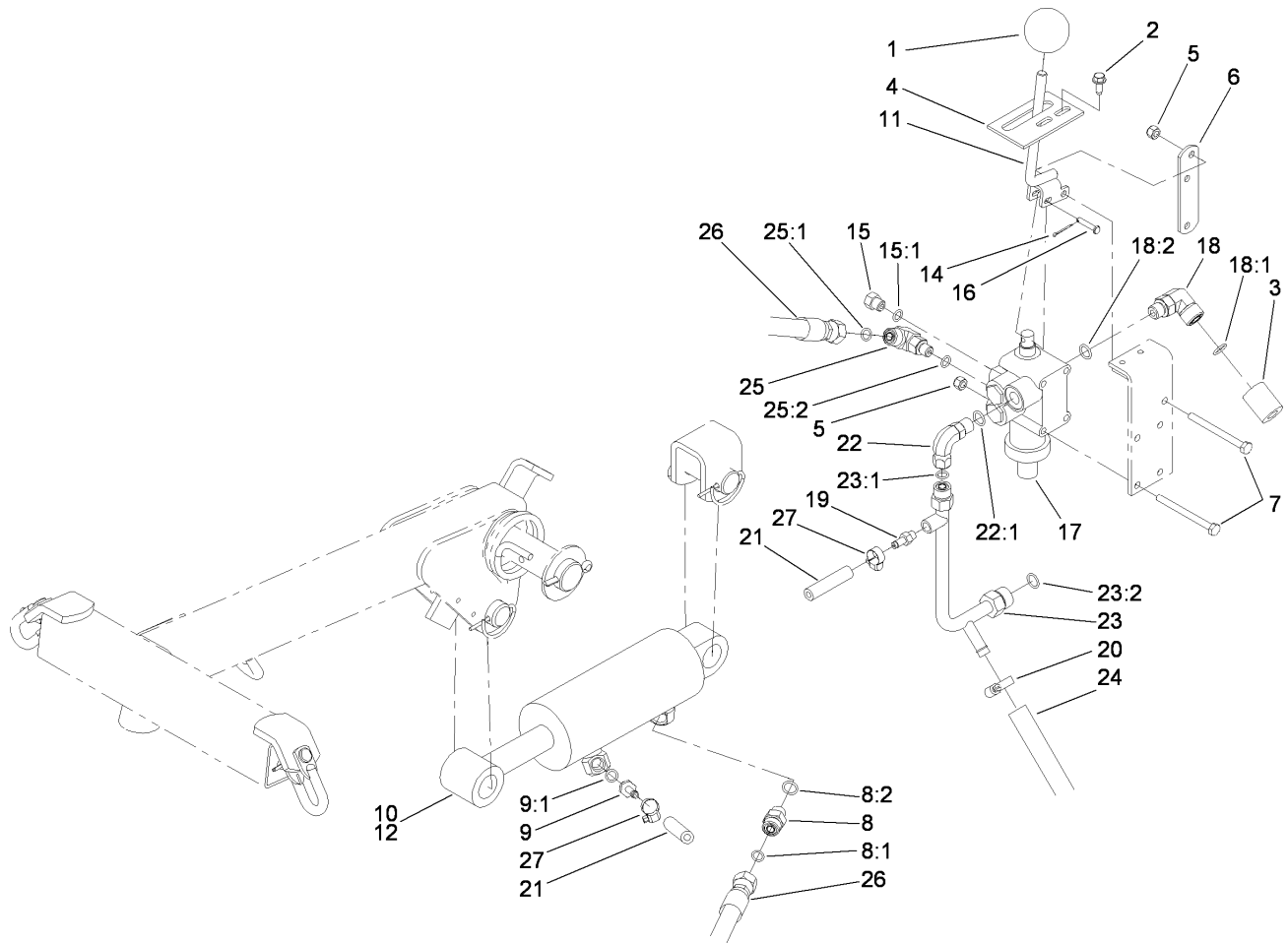
| Ref | Part No. | Qty. | Description |
|------|----------|------|--------------------------|
| 25 | 21-1600 | 1 | Clamp-Lever, PTO |
| 26 | 3253-21 | 4 | Washer-Lock |
| 27 | 32104-6 | 4 | Screw-HH |
| 29 | 321-4 | 1 | Screw-HH |
| 30 | 86-7050 | 1 | Bracket-Switch, Actuator |
| 31 | 3296-16 | 1 | Nut-Lock, NI |
| 32 | 43-9071 | 1 | Limit Switch ASM |
| 32:1 | 43-8860 | 1 | Plunger-Switch |
| 32:2 | 43-8870 | 1 | Boot-Switch |
| 32:3 | 43-8620 | 1 | Pin-Guide, Switch |
| 32:4 | 43-8610 | 1 | Guide |
| 32:5 | 218-461 | 2 | Nut-HH |
| 32:6 | 72-4320 | 1 | Switch-Ball |
| 32:7 | 237-7 | 1 | O-Ring |
| 32:8 | 43-8600 | 1 | Spring-Compression |
| 32:9 | 237-30 | 1 | O-Ring |
| 33 | 75-9890 | 2 | Washer-Shim |
| 34 | 108-1368 | 1 | Spring-Extension |
| 35 | 21-1880 | 1 | Grip-Handle |



Power-Take-Off Assembly

| Ref | Part No. | Qty. | Description |
|------|----------|------|---------------------|
| 1 | 21-0230 | 1 | Pulley-PTO |
| 2 | 43-5630 | 1 | Yoke-PTO |
| 3 | 3219-3 | 1 | Nut-Hex |
| 4 | 27-7900 | 1 | Screw-Adjusting |
| 5 | 3256-41 | 4 | Washer |
| 6 | 43-5540 | 1 | Shaft-PTO |
| 9 | 3296-6 | 1 | Nut-Lock |
| 11 | 100-6599 | 1 | PTO Pivot ASM |
| 11:2 | 256-113 | 6 | Bushing-Flange |
| 11:3 | 302-10 | 1 | Fitting-Grease |
| 11:4 | 302-2 | 1 | Fitting-Grease |
| 12 | 3257-5 | 3 | Key-Woodruff |
| 13 | 3254-7 | 1 | Washer-Lock, Int |
| 14 | 3219-7 | 1 | Nut-Hex |
| 15 | 3256-28 | 3 | Washer-Flat |
| 16 | 92-4058 | 1 | Arm-PTO |
| 17 | 3246-3 | 4 | Screw-HSH |
| 18 | 43-5550 | 1 | Shaft-Actuator, PTO |
| 19 | 43-5570 | 1 | Arm-Actuator |
| 20 | 251-252 | 2 | Bearing |
| 20:1 | 251-234 | 1 | Collar-Locking |
| 20:2 | 106-9662 | 1 | Screw-Set, HSH |
| 21 | 32120-22 | 2 | Ring-Snap, Internal |
| 22 | 3272-22 | 1 | Pin-Cotter |

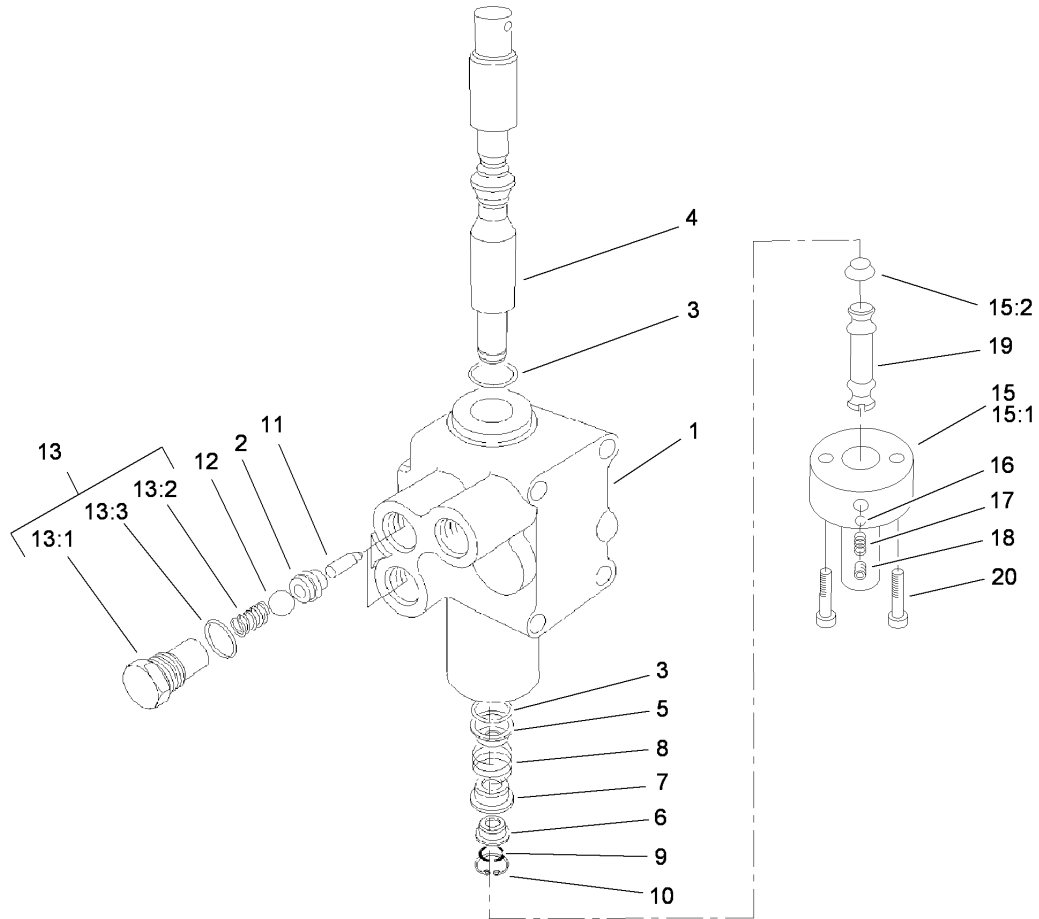
| Ref | Part No. | Qty. | Description |
|-----|------------|------|--------------------|
| 26 | 5-0652 | 1 | Spacer |
| 27 | 21-0400-01 | 1 | Spring-Compression |



Valve and Cylinder Assembly

| Ref | Part No. | Qty. | Description |
|------|-------------|------|--------------------------|
| 1 | 233-21 | 1 | Knob |
| 2 | 32144-10 | 2 | Screw-HWH |
| 3 | 38-3400 | 1 | Guard-Rubber |
| 4 | 105-7806 | 1 | Latch-Lever, Valve |
| 5 | 3296-42 | 5 | Nut-Lock, NI |
| 6 | 21-9010 | 1 | Lever-Valve, Pivot Mount |
| 7 | 321-23 | 5 | Screw-HH |
| 8 | 340-2 | 1 | Fitting-HYD, Straight |
| 8:1 | 237-22 | 1 | O-Ring |
| 8:2 | 237-42 | 1 | O-Ring |
| 9 | 92-5512 | 1 | Fitting-Hose, Barbed |
| 9:1 | 237-78 | 1 | O-Ring |
| 10 | 100-6586 | 1 | Cylinder-HYD, 2.5 Inch |
| 11 | 105-7839-03 | 1 | Valve Lever ASM |
| 12 | 100-6591 | 1 | Cylinder-HYD, 3 Inch |
| 14 | 3272-4 | 1 | Pin-Cotter |
| 15 | 353-512 | 1 | Plug |
| 15:1 | 237-78 | 1 | O-Ring |
| 16 | 283-17 | 1 | Pin-Clevis |
| 17 | 106-8071-01 | 1 | Valve ASM |
| 18 | 340-99 | 1 | Fitting-HYD, 90 DEG |
| 18:1 | 237-30 | 1 | O-Ring |
| 18:2 | 237-42 | 1 | O-Ring |
| 19 | 304-73 | 1 | Connector-Hose |

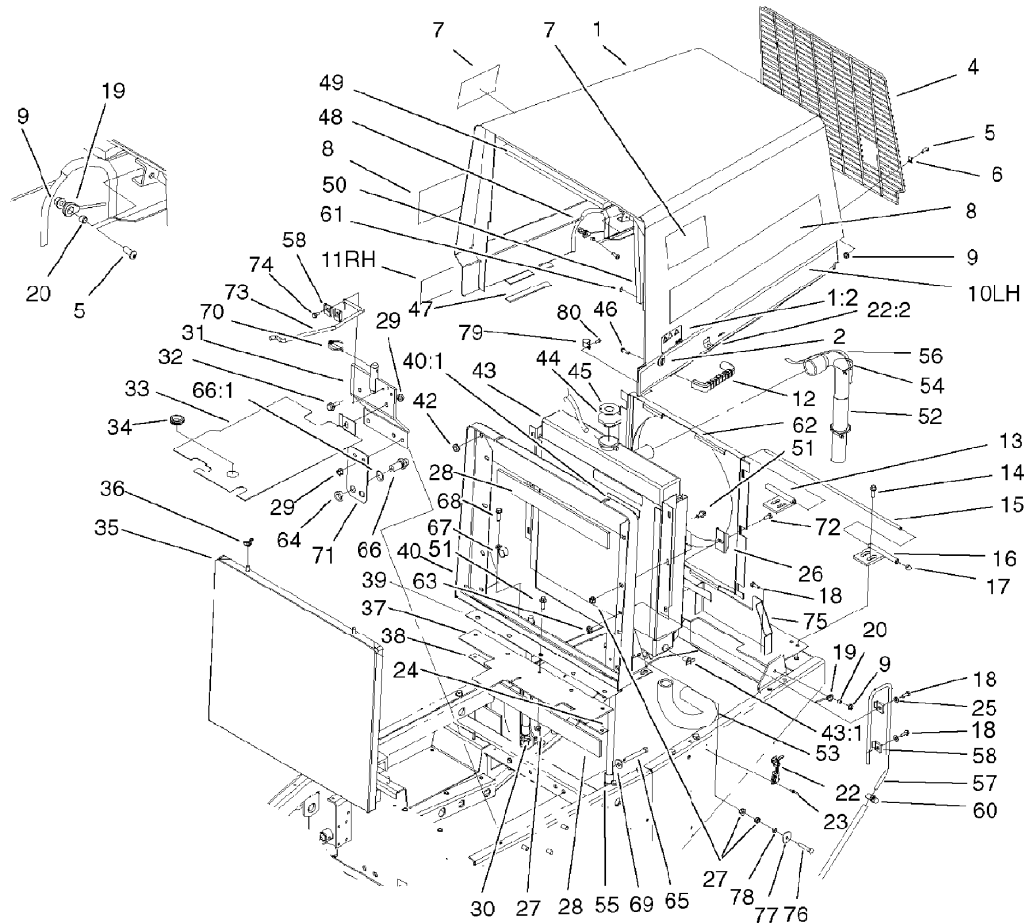
| Ref | Part No. | Qty. | Description |
|------|----------|------|------------------------|
| 20 | 2412-36 | 1 | Clamp-Hose |
| 21 | 92-7834 | 1 | Hose-HYD |
| 22 | 340-110 | 1 | Fitting-Swivel, 90 DEG |
| 22:1 | 237-42 | 1 | O-Ring |
| 23 | 63-9260 | 1 | Manifold Valve ASM |
| 23:1 | 237-22 | 1 | O-Ring |
| 23:2 | 237-30 | 1 | O-Ring |
| 24 | 63-8990 | 1 | Hose-HYD |
| 25 | 340-97 | 1 | Fitting-HYD, 90 DEG |
| 25:1 | 237-22 | 1 | O-Ring |
| 25:2 | 237-78 | 1 | O-Ring |
| 26 | 92-7833 | 1 | Hose ASM |
| 27 | 2412-108 | 2 | Clamp-Worm |



Valve Assembly No. 106-8071-01

| Ref | Part No. | Qty. | Description |
|------|----------|------|-------------------|
| 1 | | 1 | Body |
| 2 | 22-8370 | 2 | Seat-Valve |
| 3 | 22-8500 | 2 | O-Ring |
| 4 | 105-7826 | 1 | Spool |
| 5 | 22-8380 | 1 | Retainer |
| 6 | 22-8400 | 1 | Spacer |
| 7 | 22-8390 | 1 | Retainer |
| 8 | 22-8410 | 1 | Spring |
| 9 | 22-8480 | 1 | Ring-Snap |
| 10 | 22-8490 | 1 | Ring-Snap |
| 11 | 22-8360 | 2 | Pin |
| 12 | 22-8350 | 2 | Ball |
| 13 | 105-7827 | 2 | Plug ASM |
| 13:1 | 22-8330 | 1 | Plug |
| 13:2 | 22-8340 | 1 | Spring |
| 13:3 | 237-42 | 1 | O-Ring |
| 15 | 106-8070 | 1 | Detent Barrel ASM |
| 15:1 | | 1 | Barrel-Detent |
| 15:2 | 106-8068 | 1 | Plug-Dust |
| 16 | 105-7829 | 2 | Ball-Steel |
| 17 | 105-7830 | 2 | Spring |
| 18 | 105-7831 | 2 | Screw-Set |
| 19 | 105-7832 | 1 | Stud-Detent |
| 20 | 105-7833 | 2 | Screw-HSH |

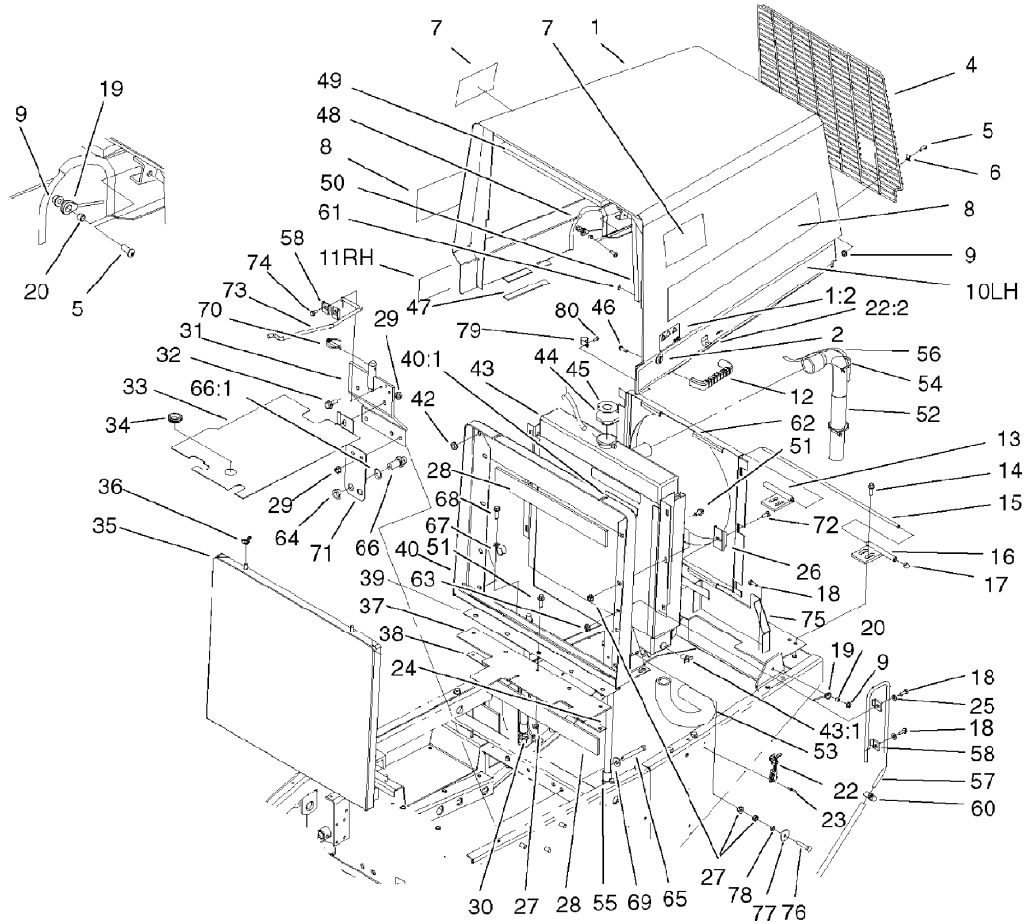
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Radiator and Hood Assembly

| Ref | Part No. | Qty. | Description |
|------|-------------|------|----------------------------|
| 1 | 105-4282 | 1 | Hood |
| 1:2 | 106-6754 | 1 | Decal-Danger |
| 2 | 98-5398 | 1 | Latch |
| 4 | 105-0059-03 | 1 | Hood-Screen, Rear |
| 5 | 3274-69 | 6 | Screw-HSBH |
| 6 | 2412-127 | 4 | Clamp-R |
| 7 | 66-6140 | 2 | Decal |
| 8 | 106-4394 | 2 | Decal |
| 9 | 32128-32 | 8 | Nut-HHF |
| 10 | 77-5140 | 1 | Decal-Hood, LH |
| 11 | 77-5150 | 1 | Decal-Hood, RH |
| 12 | 65-5100 | 1 | Handle-Door |
| 13 | 67-8820-01 | 1 | RH Hinge ASM |
| 14 | 3234-17 | 4 | Screw-HHF |
| 15 | 67-8840 | 1 | Hinge-Rod |
| 16 | 67-8810-01 | 1 | LH Hinge ASM |
| 17 | 32111-8 | 2 | Nut-Lock, Cap |
| 18 | 321-4 | 4 | Screw-HH |
| 19 | 77-3170 | 2 | Cable-Hood |
| 20 | 77-5250 | 4 | Spacer-Cable, Hood |
| 22 | 59-9740 | 1 | Flex Draw Latch ASM |
| 22:2 | 249-40 | 1 | Keeper |
| 23 | 3290-55 | 4 | Rivet-Pop |
| 24 | 63-9010 | 1 | Hose-Coolant, Transmission |

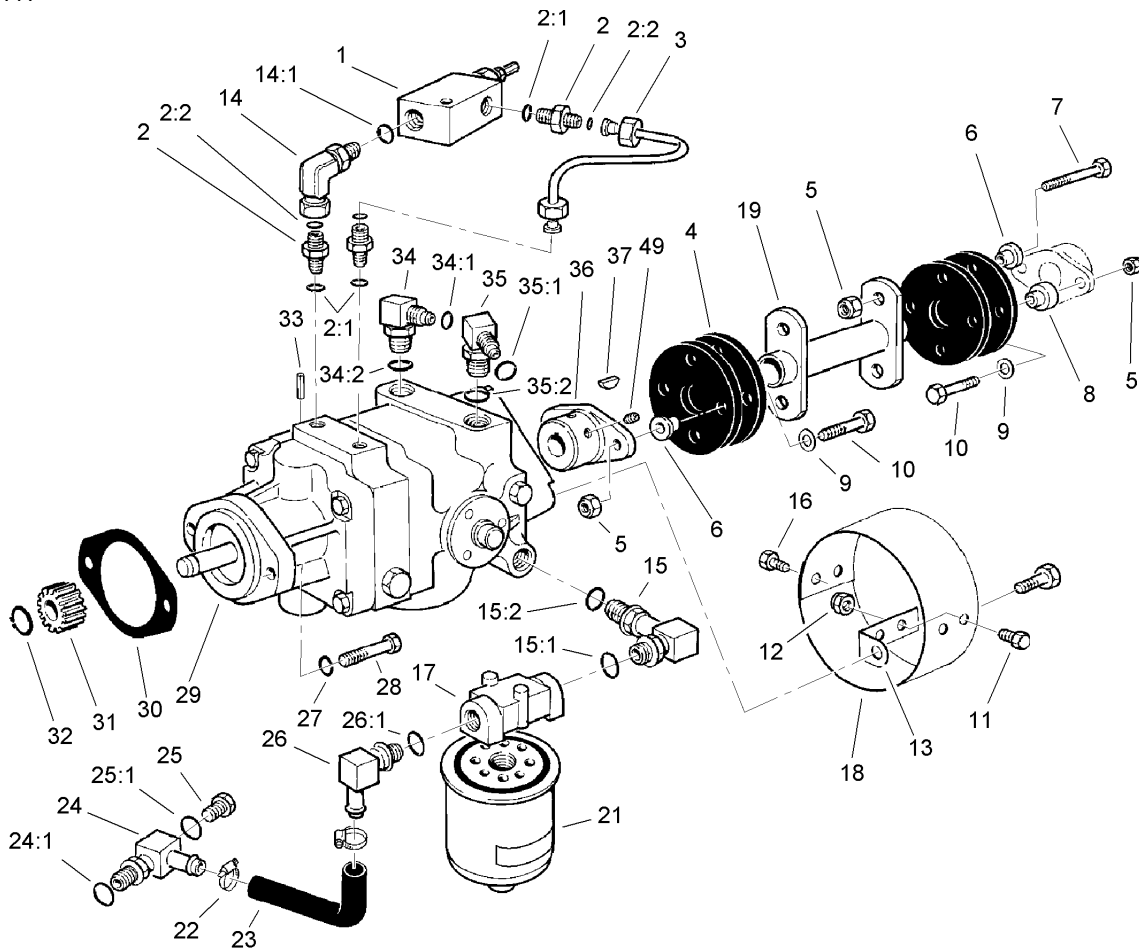
| Ref | Part No. | Qty. | Description |
|------|-------------|------|---------------------------|
| 25 | 3256-22 | 2 | Washer-Flat |
| 26 | 105-0012-03 | 6 | Clip-Mounting, Fan Shroud |
| 27 | 32128-20 | 15 | Nut-HF |
| 28 | 43-3320 | 2 | Foam-Radiator |
| 29 | 32128-21 | 4 | Nut-HF |
| 30 | 63-8960 | 1 | Hose |
| 31 | 105-2542-01 | 1 | Bracket-Support, Seat |
| 32 | 3234-11 | 1 | Screw-HHF |
| 33 | 105-2544-01 | 1 | Plate-Sealing |
| 34 | 240-5 | 1 | Grommet-Rubber |
| 35 | 67-9030-03 | 1 | Grille ASM |
| 36 | 32103-2 | 2 | Nut-Wing |
| 37 | 67-8570 | 1 | Strip-Sealing |
| 38 | 67-8470-03 | 1 | Strip-Retainer |
| 39 | 105-4264-03 | 1 | Grill-Plate, Sealing |
| 40 | 105-4293 | 1 | Radiator Support ASM |
| 40:1 | 93-7272 | 3 | Decal-Warning |
| 42 | 237-141 | 2 | Grommet-Rubber |
| 43 | 108-8699 | 1 | Radiator ASM |
| 43:1 | 304-46 | 1 | Draincock |
| 44 | 66-3240 | 1 | Cap-Radiator |
| 45 | 106-5976 | 1 | Decal-Warning |
| 46 | 46-8091 | 2 | Screw-HWH |
| 47 | 82-8950 | 2 | Foam |



Radiator and Hood Assembly (continued)

| Ref | Part No. | Qty. | Description |
|------|-------------|------|----------------------------|
| 48 | 66-8111 | 1 | Trim-Hood |
| 49 | 77-5170 | 1 | Foam-Top |
| 50 | 77-5160 | 1 | Foam-Side, LH |
| 51 | 3234-14 | 13 | Screw-HHF |
| 52 | 104-3433 | 1 | Hose-Radiator, Top |
| 53 | 104-3432 | 1 | Hose-Radiator, Bottom |
| 54 | 3290-379 | 6 | Tie-Cable |
| 55 | 38-3400 | 1 | Guard-Rubber |
| 56 | 110-4109 | 1 | Hose-Fuel |
| 57 | 105-4265 | 1 | Tube-Vent |
| 58 | 3-6657 | 4 | Clip-Skid |
| 60 | 2412-108 | 1 | Clamp-Worm |
| 61 | 3269-10 | 2 | Washer-Back |
| 62 | 105-0007-03 | 1 | Fan Shroud ASM |
| 63 | 32128-33 | 1 | Nut-HF |
| 64 | 340-70 | 2 | Nut-Lock |
| 65 | 323-14 | 3 | Screw-HH |
| 66 | 340-71 | 2 | Fitting-Straight, Bulkhead |
| 66:1 | 237-22 | 2 | O-Ring |
| 67 | 2412-4 | 1 | Clamp |
| 68 | 11-0590 | 1 | Screw-HWHTF |
| 69 | 5-0838 | 3 | Washer |
| 70 | 283-76 | 1 | Pin-Lynch |
| 71 | 68-9160 | 1 | Bracket |

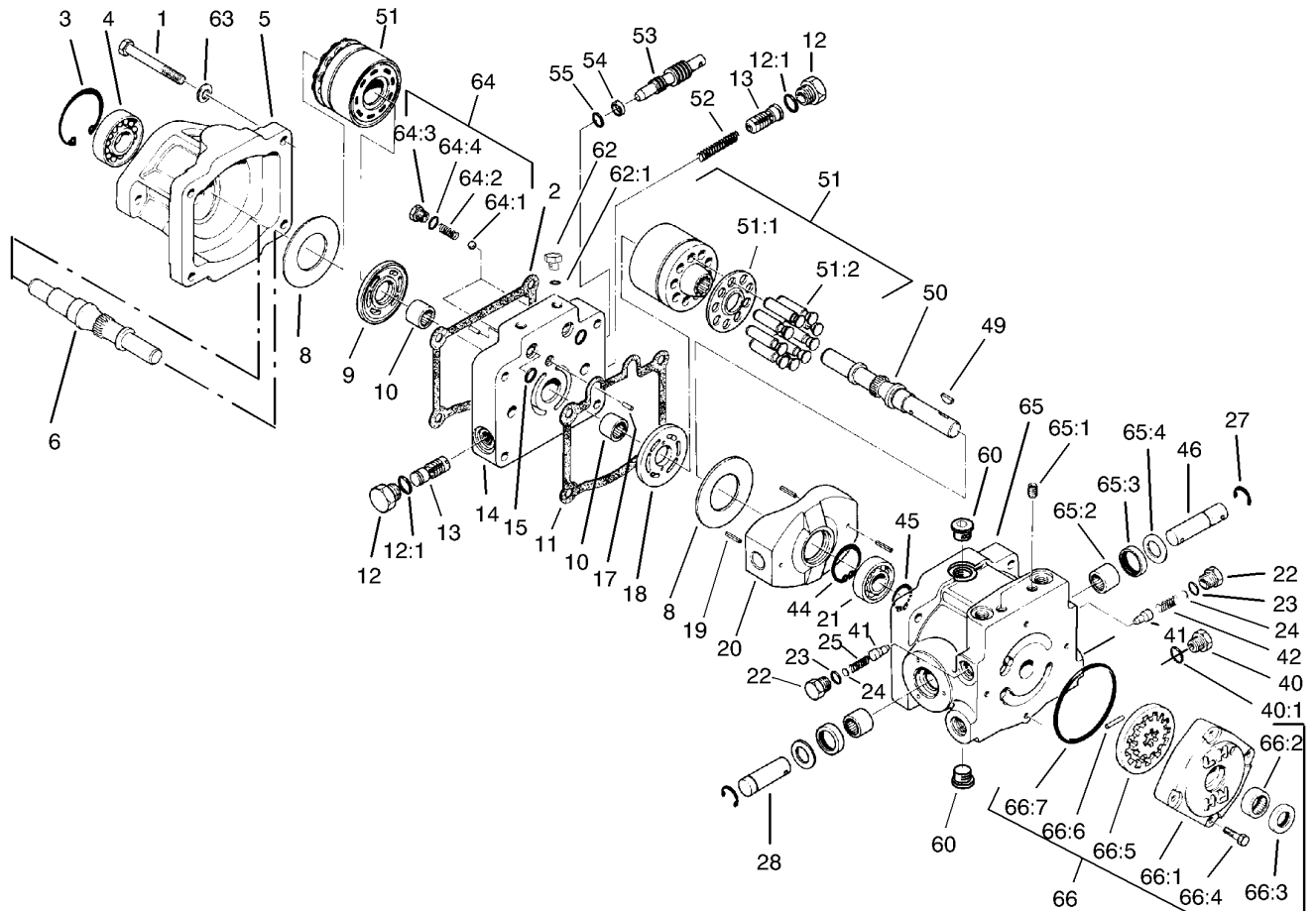
| Ref | Part No. | Qty. | Description |
|-----|-------------|------|------------------|
| 72 | 3234-33 | 6 | Screw-HHF |
| 73 | 86-7040 | 1 | Rod-Prop, Seat |
| 74 | 32144-10 | 2 | Screw-HWH |
| 75 | 105-4255-01 | 1 | Pulley Guard ASM |
| 76 | 322-41 | 1 | Screw-HH |
| 77 | 3256-57 | 1 | Washer-Flat |
| 78 | 3296-47 | 1 | Nut-Lock, NI |
| 79 | 2412-83 | 1 | Clamp-Cable |
| 80 | 32144-1 | 1 | Screw-Taptite |



Hydrostatic Transmission Assembly

| Ref | Part No. | Qty. | Description |
|------|-------------|------|-----------------------|
| 1 | 72-3540 | 1 | Valve-Relief |
| 2 | 340-92 | 3 | Fitting-HYD, Straight |
| 2:1 | 237-78 | 1 | O-Ring |
| 2:2 | 237-21 | 1 | O-Ring |
| 3 | 72-3550 | 1 | Tube |
| 4 | 44-2230 | 4 | Coupling-Rubber |
| 5 | 32152-1 | 8 | Nut-Lock, Cone |
| 6 | 71-4411 | 4 | Spacer |
| 7 | 322-8 | 4 | Screw-HH |
| 8 | 71-4410 | 4 | Spacer |
| 9 | 3256-3 | 4 | Washer-Flat |
| 10 | 322-10 | 4 | Screw-HH |
| 11 | 321-2 | 2 | Screw-HH |
| 12 | 3296-42 | 4 | Nut-Lock, NI |
| 13 | 54-9290 | 2 | Bracket-Mounting |
| 14 | 340-143 | 1 | Elbow-Swivel, 90 DEG |
| 14:1 | 237-78 | 1 | O-Ring |
| 15 | 68-8660 | 1 | Fitting-HYD, 90 DEG |
| 15:1 | 237-80 | 1 | O-Ring |
| 15:2 | 237-81 | 1 | O-Ring |
| 16 | 321-4 | 2 | Screw-HH |
| 17 | 68-8990 | 1 | Filter Head ASM |
| 18 | 54-9300-03 | 1 | Cover-Shaft, Pump |
| 19 | 105-0033-03 | 1 | Drive Shaft ASM |

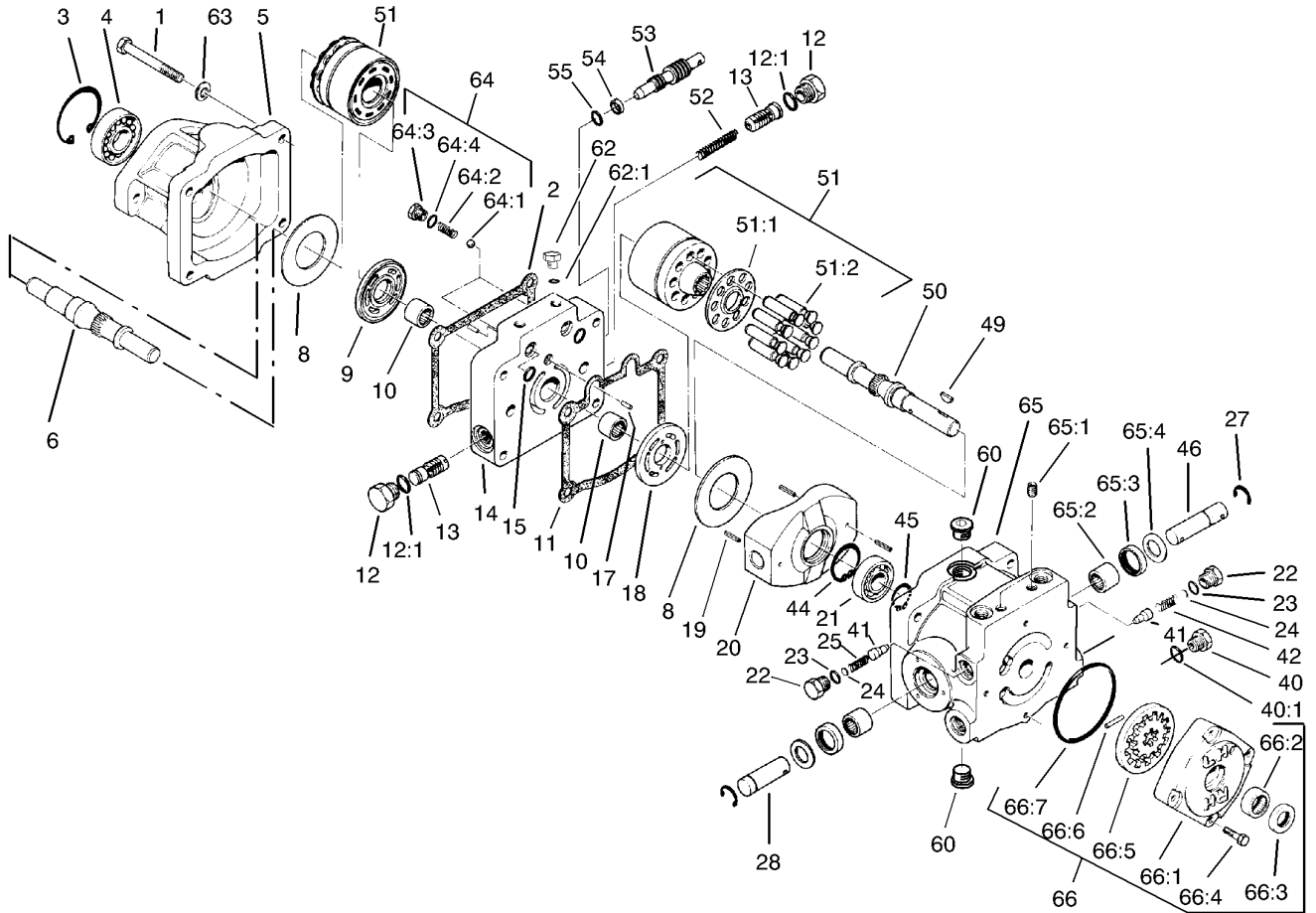
| Ref | Part No. | Qty. | Description |
|------|----------|------|---------------------|
| 21 | 23-9740 | 1 | Filter-Oil |
| 22 | 2412-129 | 2 | Clamp-Hose |
| 23 | 68-9650 | 1 | Hose-Axle |
| 24 | 70-2620 | 1 | Fitting-HYD, 90 DEG |
| 24:1 | 237-81 | 1 | O-Ring |
| 25 | 353-508 | 1 | Plug |
| 25:1 | 237-42 | 1 | O-Ring |
| 26 | 353-987 | 1 | Fitting-HYD, 90 |
| 26:1 | 237-81 | 1 | O-Ring |
| 27 | 3253-21 | 2 | Washer-Lock |
| 28 | 323-7 | 2 | Screw-HH |
| 29 | 92-8947 | 1 | Transmission ASM |
| 30 | 41-8760 | 1 | Gasket |
| 31 | 86-7220 | 1 | Gear-Pinion |
| 32 | 32120-72 | 1 | Ring-Snap |
| 33 | 32121-6 | 1 | Pin-Roll, Slotted |
| 34 | 340-77 | 1 | Fitting-HYD, 90 DEG |
| 34:1 | 237-22 | 1 | O-Ring |
| 34:2 | 237-42 | 1 | O-Ring |
| 35 | 340-99 | 1 | Fitting-HYD, 90 DEG |
| 35:1 | 237-30 | 1 | O-Ring |
| 35:2 | 237-42 | 1 | O-Ring |
| 36 | 110-9695 | 1 | Hub-Pump |
| 37 | 3257-32 | 1 | Key-Woodruff |



Transmission Assembly No. 92-8947

| Ref | Part No. | Qty. | Description |
|------|----------|------|-----------------------|
| 1 | 323-56 | 4 | Screw-HH |
| 2 | 67-9100 | 1 | Gasket |
| 3 | 32120-8 | 1 | Ring-Snap |
| 4 | 72-3750 | 1 | Bearing-Roller |
| 5 | 67-9080 | 1 | Housing-Motor |
| 6 | 46-8410 | 1 | Shaft-Motor |
| 8 | 25-2380 | 2 | Plate-Thrust |
| 9 | 25-2390 | 1 | Plate-Valve, Motor |
| 10 | 46-8400 | 2 | Bearing-Shaft |
| 11 | 25-2400 | 1 | Gasket |
| 12 | 353-550 | 2 | Plug-HYD, HH |
| 12:1 | 237-79 | 1 | O-Ring |
| 13 | 25-2410 | 2 | Valve ASM |
| 14 | 92-8918 | 1 | Section-Center |
| 15 | 93-4132 | 2 | O-Ring |
| 17 | 25-2430 | 2 | Pin-Dowel |
| 18 | 25-2440 | 1 | Plate-Valve, Pump |
| 19 | 32121-91 | 3 | Pin-Spring |
| 20 | 25-2450 | 1 | Plate-Swash, Variable |
| 21 | 251-8 | 1 | Bearing-Ball |
| 22 | 25-2460 | 2 | Plug-HH |
| 23 | 237-86 | 4 | O-Ring |
| 24 | 25-2470 | 2 | Pack-Shim |
| 25 | 25-2480 | 1 | Spring-Valve |

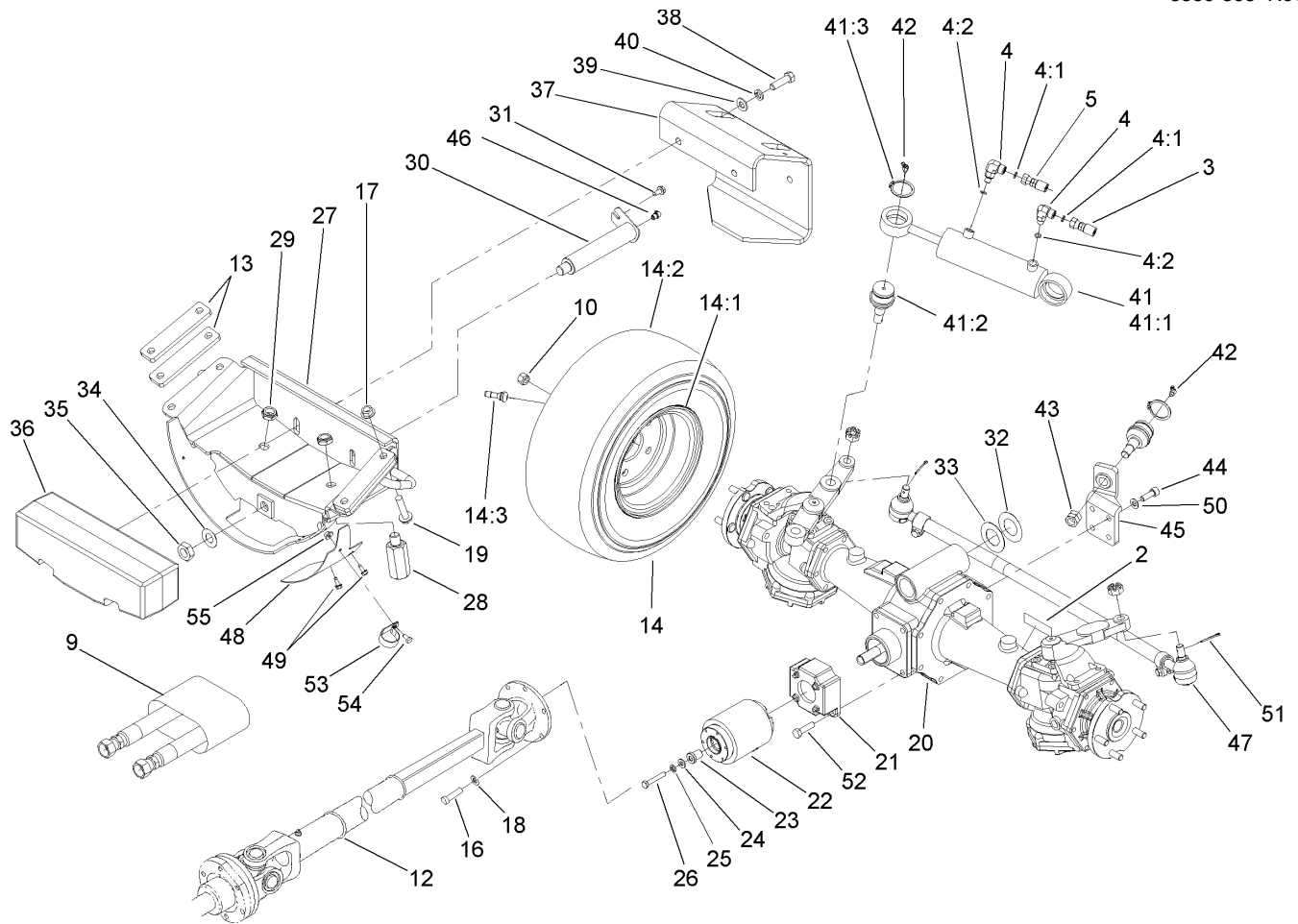
| Ref | Part No. | Qty. | Description |
|------|----------|------|-----------------------|
| 27 | 32151-46 | 2 | Ring-Retaining |
| 28 | 25-2500 | 1 | Shaft-Trunnion |
| 40 | 353-551 | 1 | Plug-HH |
| 40:1 | 237-80 | 1 | O-Ring |
| 41 | 83-7260 | 2 | Cone-Relief, Charge |
| 42 | 25-2570 | 1 | Spring-Valve |
| 44 | 32151-75 | 1 | Ring-Retaining |
| 45 | 32120-15 | 1 | Ring-Snap, EXT |
| 46 | 25-2580 | 1 | Shaft-Trunnion |
| 49 | 3257-32 | 1 | Key-Woodruff |
| 50 | 67-8020 | 1 | Shaft-Pump |
| 51 | 48-1800 | 2 | Cylinder Block Kit |
| 51:1 | | 1 | Retainer-Slipper |
| 51:2 | | 9 | Piston ASM |
| 52 | 25-2610 | 1 | Spring-Valve |
| 53 | 88-8220 | 1 | Valve-By Pass |
| 54 | 25-2630 | 1 | Ring-Back Up |
| 55 | 237-22 | 1 | O-Ring |
| 60 | 67-9090 | 1 | Plug ASM |
| 62 | 75-0170 | 4 | Plug-Thread, Straight |
| 62:1 | 92-8777 | 1 | O-Ring |
| 63 | 93-0312 | 4 | Washer-Hardened |
| 64 | 99-5689 | 1 | Check Valve ASM |
| 64:1 | 25-2490 | 1 | Ball |



Transmission Assembly No. 92-8947 (continued)

| Ref | Part No. | Qty. | Description |
|------|----------|------|------------------------|
| 64:2 | 25-2640 | 1 | Spring-Valve |
| 64:3 | 25-2650 | 1 | Plug-Valve, Check |
| 64:4 | 237-86 | 1 | O-Ring |
| 65 | 54-7890 | 1 | Housing Kit |
| 65:1 | 285-17 | 2 | Plug-Pipe |
| 65:2 | 252-82 | 2 | Bearing-Needle |
| 65:3 | 25-3210 | 2 | Seal-Lip |
| 65:4 | 25-2510 | 2 | Washer-Flat |
| 66 | 25-3190 | 1 | Charge Pump Kit |
| 66:1 | 25-2550 | 1 | Housing-Pump, Charge |
| 66:2 | 67-8050 | 1 | Bearing-Needle |
| 66:3 | 93-4133 | 1 | Seal-Lip |
| 66:4 | 322-4 | 4 | Screw-HH |
| 66:5 | 25-2540 | 1 | Gerotor ASM |
| 66:6 | 25-2530 | 1 | Pin-Straight, Headless |
| 66:7 | 237-95 | 1 | O-Ring |

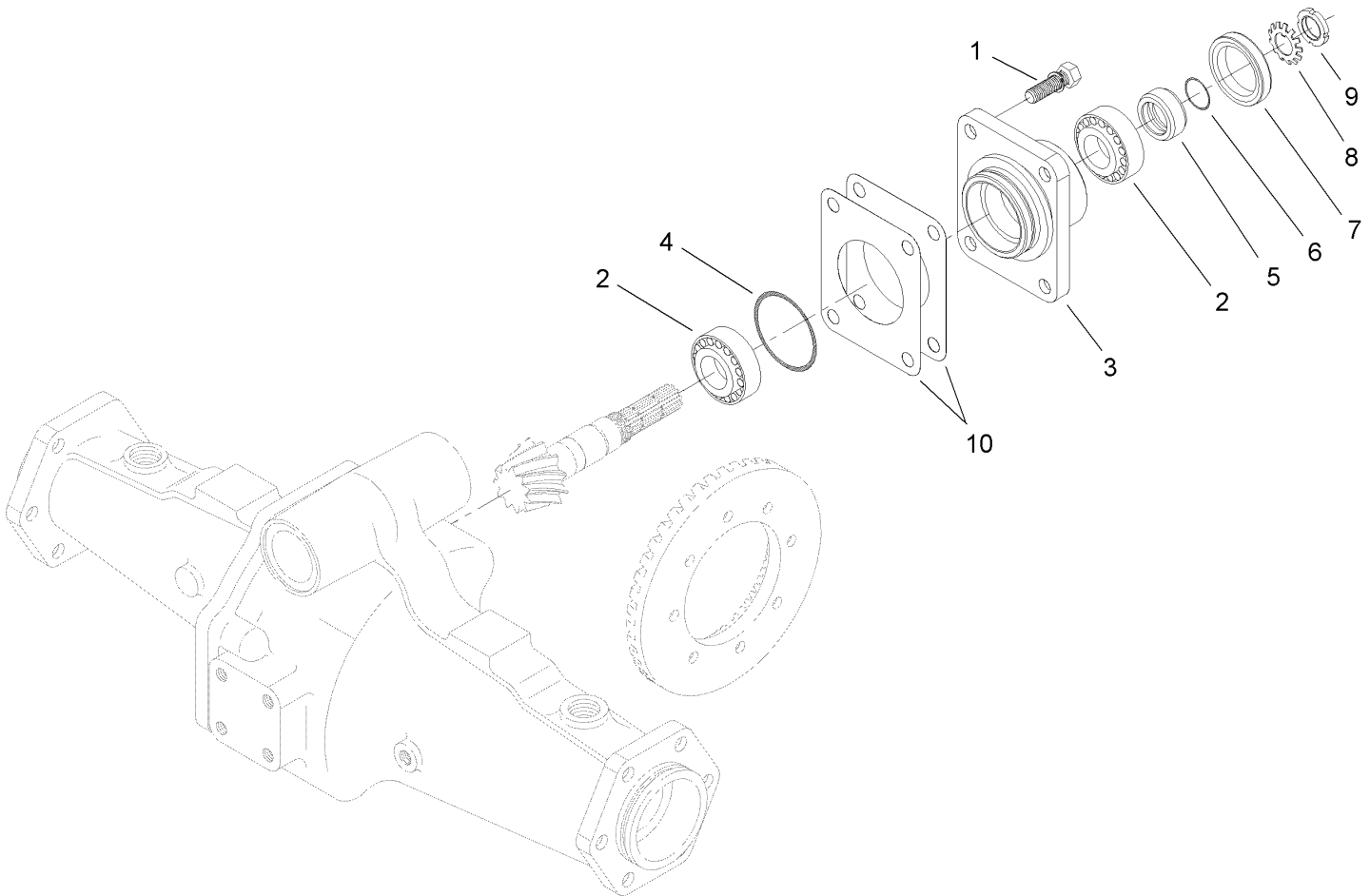
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4 Wheel Drive Rear Axle Assembly

| Ref | Part No. | Qty. | Description |
|------|-------------|------|-------------------------|
| 2 | 93-6697 | 1 | Decal-Lube |
| 3 | 99-2407 | 1 | Hose ASM |
| 4 | 340-97 | 2 | Fitting-HYD, 90 DEG |
| 4:1 | 237-22 | 1 | O-Ring |
| 4:2 | 237-78 | 1 | O-Ring |
| 5 | 99-2408 | 1 | Hose ASM |
| 9 | 56-7985 | 1 | Sleeve-Protective |
| 10 | 93-5268 | 10 | Nut-Lug |
| 12 | 98-5009 | 1 | Driveshaft ASM |
| 13 | 105-0073-01 | 4 | Spacer-Frame |
| 14 | | 2 | Tire And Wheel ASM |
| 14:1 | 105-7846 | 1 | Wheel |
| 14:2 | 231-122 | 1 | Tire (18X6.5-8) 4-Ply |
| 14:3 | 232-27 | 1 | Stem-Valve |
| 16 | 3274-8 | 12 | Screw-HSH |
| 17 | 32128-23 | 4 | Nut-HF |
| 18 | 3253-3 | 12 | Washer-Lock |
| 19 | 3234-46 | 4 | Screw-HHF |
| 20 | 106-1120 | 1 | Rear Axle ASM |
| 21 | 98-3860-03 | 1 | Adaptor-Locator, Clutch |
| 22 | 95-6296 | 1 | Clutch-Bidirectional |
| 23 | 98-1823 | 1 | Spacer |
| 24 | 33094-00 | 1 | Washer-Plain |
| 25 | 3253-4 | 1 | Washer-Lock |

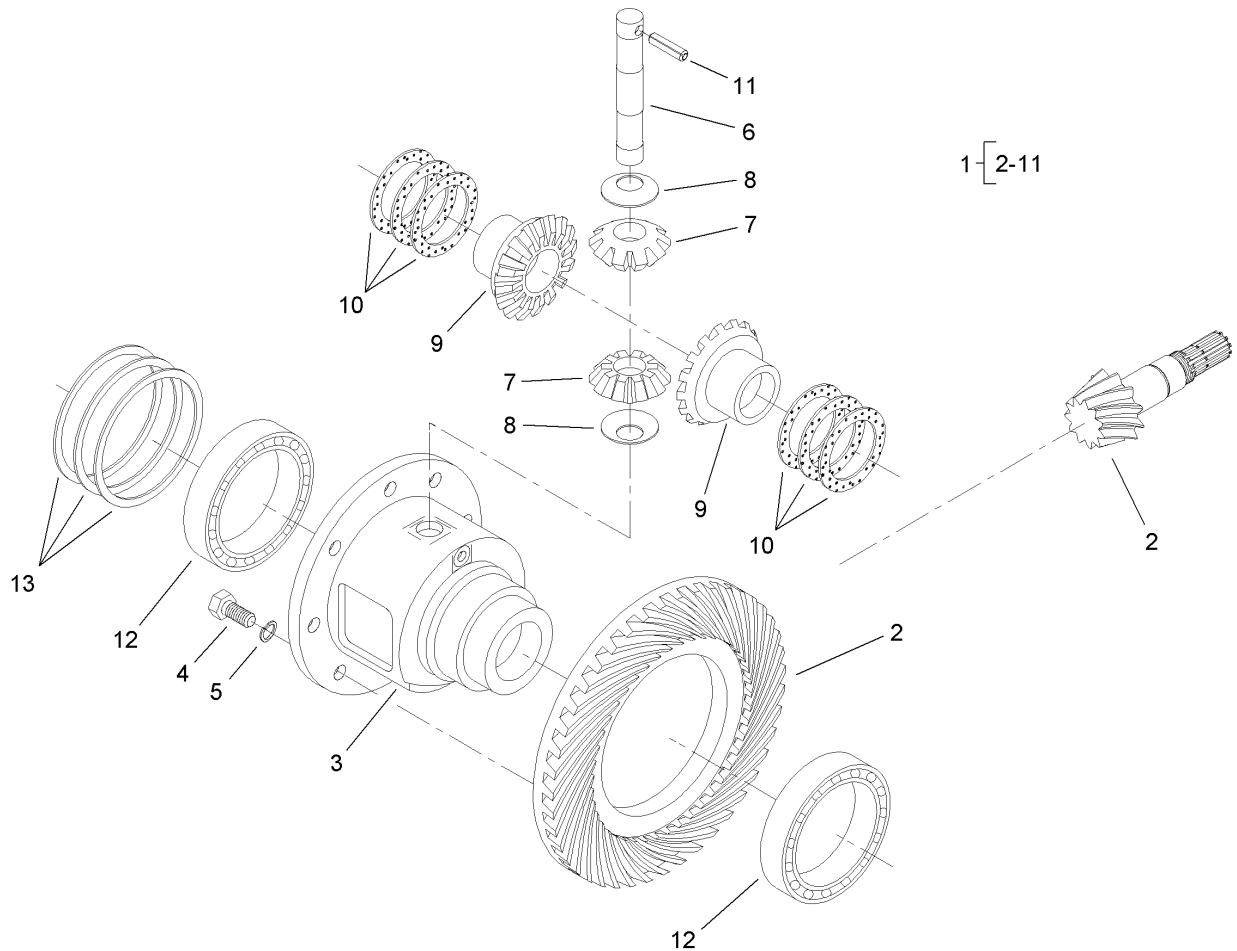
| Ref | Part No. | Qty. | Description |
|------|-------------|------|---------------------------|
| 26 | 33114-050 | 1 | Screw-HH |
| 27 | 100-6570-01 | 1 | Axle Support ASM |
| 28 | 98-3863 | 2 | Stop-Oscillation |
| 29 | 3296-15 | 2 | Nut-Lock, NI |
| 30 | 99-8434-03 | 1 | Rear Axle Pin ASM |
| 31 | 32144-14 | 1 | Screw-HWHTF |
| 32 | 99-8431 | 1 | Washer-Thrust |
| 33 | 99-8432 | 1 | Washer-Thrust |
| 34 | 71-4540 | 1 | Washer-Thrust |
| 35 | 32146-20 | 1 | Nut-Jam |
| 36 | 98-3869-01 | 1 | Weight-Rear |
| 37 | 98-3880-03 | 1 | Bumper |
| 38 | 325-7 | 2 | Screw-HH |
| 39 | 3256-26 | 2 | Washer-Flat |
| 40 | 3253-7 | 2 | Washer-Lock |
| 41 | | 1 | Steering Cylinder ASM |
| 41:1 | 99-2415 | 1 | Cylinder-HYD |
| 41:2 | 106-6774 | 2 | Joint-Ball |
| 41:3 | 32151-104 | 2 | Ring-Retaining, External |
| 42 | 302-11 | 2 | Fitting-Lube, 45 DEG |
| 43 | 3220-6 | 4 | Nut-Jam |
| 44 | 108-1420 | 4 | Screw-HSH |
| 45 | 98-3862-03 | 1 | Bracket-Support, Cylinder |
| 46 | 302-33 | 1 | Fitting-Grease |



Bevel Pinion Shaft Assembly Rear Axle Assembly No. 106-1120

| Ref | Part No. | Qty. | Description |
|-----|----------|------|-----------------------|
| 1 | 99-7575 | 4 | Bolt |
| 2 | 99-7570 | 2 | Bearing-Roller, Taper |
| 3 | 95-7535 | 1 | Case-Bearing |
| 4 | 106-1065 | 1 | O-Ring |
| 5 | 99-7572 | 1 | Collar-Seal, Oil |
| 6 | 106-1066 | 1 | O-Ring |
| 7 | 99-7574 | 1 | Seal-Oil |
| 8 | 99-7559 | 1 | Washer-Lock |
| 9 | 99-7560 | 1 | Nut-Lock |
| 10 | 99-7550 | 2 | Shim 0.1 |
| 10 | 99-7551 | 2 | Shim 0.2 |

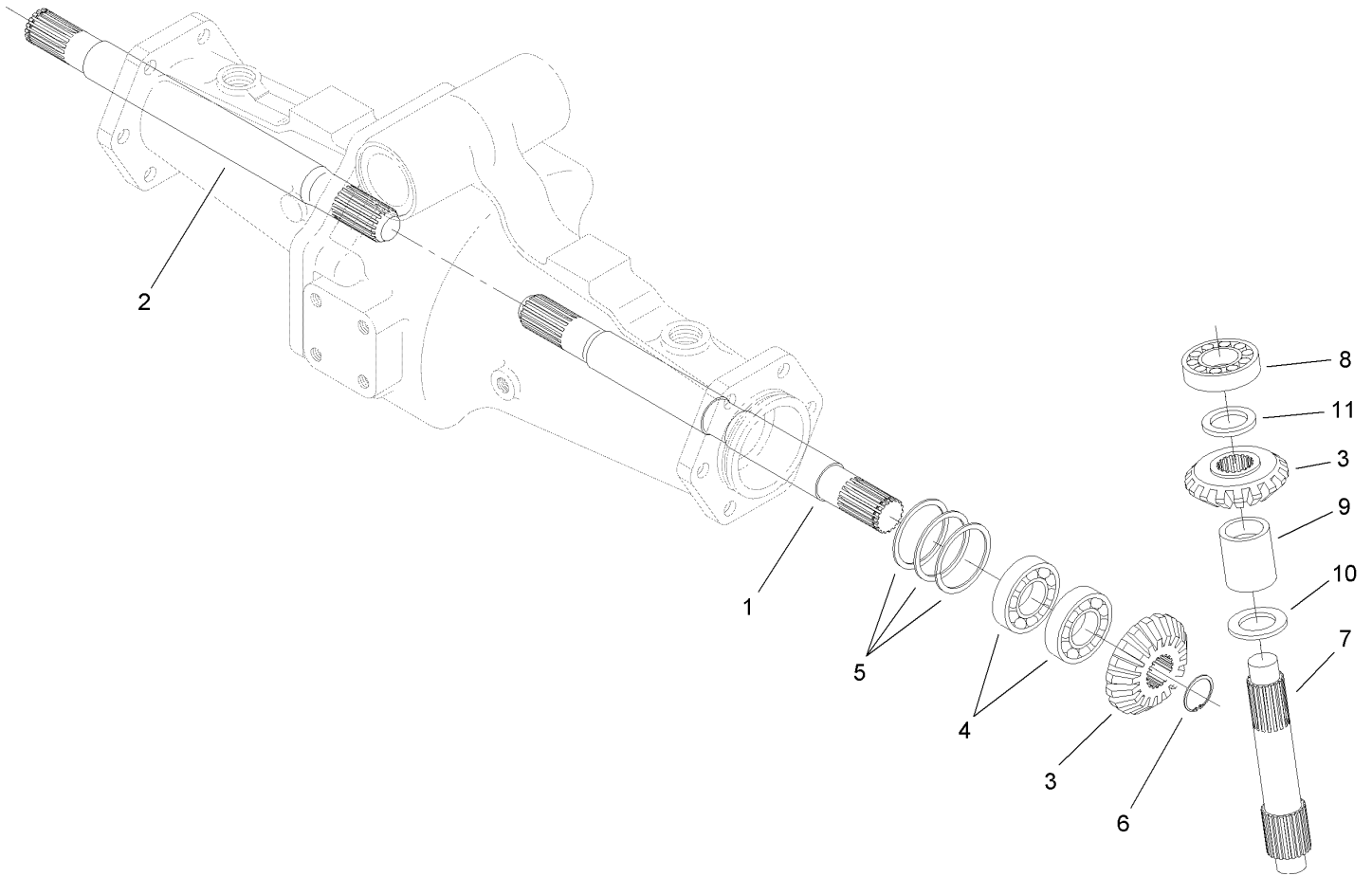
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Differential Assembly Rear Axle Assembly No. 106-1120

| Ref | Part No. | Qty. | Description |
|-----|----------|------|------------------------------|
| 1 | 95-7503 | 1 | Differential ASM |
| 2 | 106-1093 | 1 | Ring And Pinion, Matched Set |
| 3 | 95-7502 | 1 | Case-Differential |
| 4 | 99-7576 | 8 | Bolt |
| 5 | 3253-4 | 8 | Washer-Lock |
| 6 | 99-7578 | 1 | Shaft-Differential |
| 7 | 99-7579 | 2 | Pinion-Differential |
| 8 | 99-7580 | 2 | Washer-Differential |
| 9 | 99-7581 | 2 | Gear-Differential |
| 10 | 99-7582 | 2 | Washer-Differential |
| 10 | 99-7583 | 2 | Washer-Differential |
| 10 | 99-7584 | 2 | Washer-Differential |
| 11 | 99-7588 | 1 | Pin-Spring |
| 12 | 99-7562 | 2 | Bearing-Ball |
| 13 | 99-7585 | 2 | Shim 0.1 |
| 13 | 99-7586 | 2 | Shim 0.2 |
| 13 | 99-7587 | 2 | Shim 0.4 |

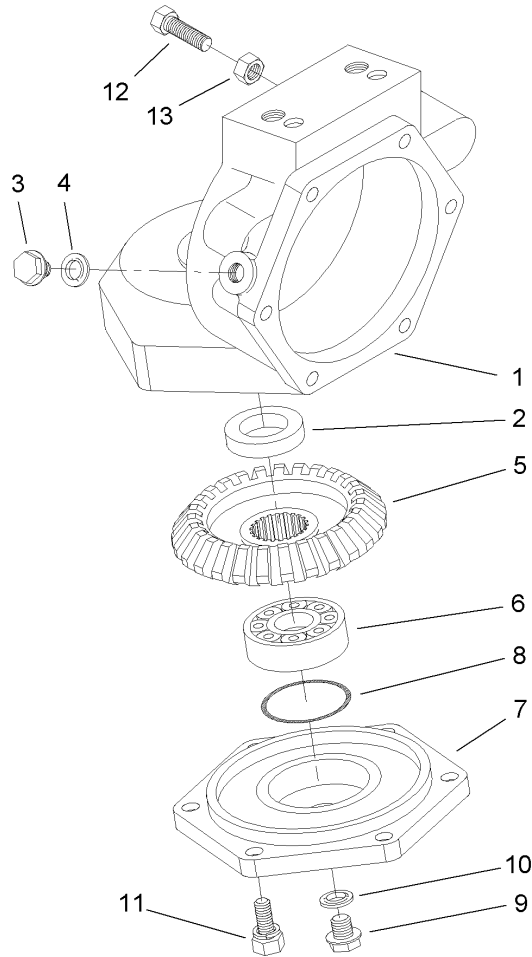
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Bevel Gear Shaft Assembly Rear Axle Assembly No. 106-1120

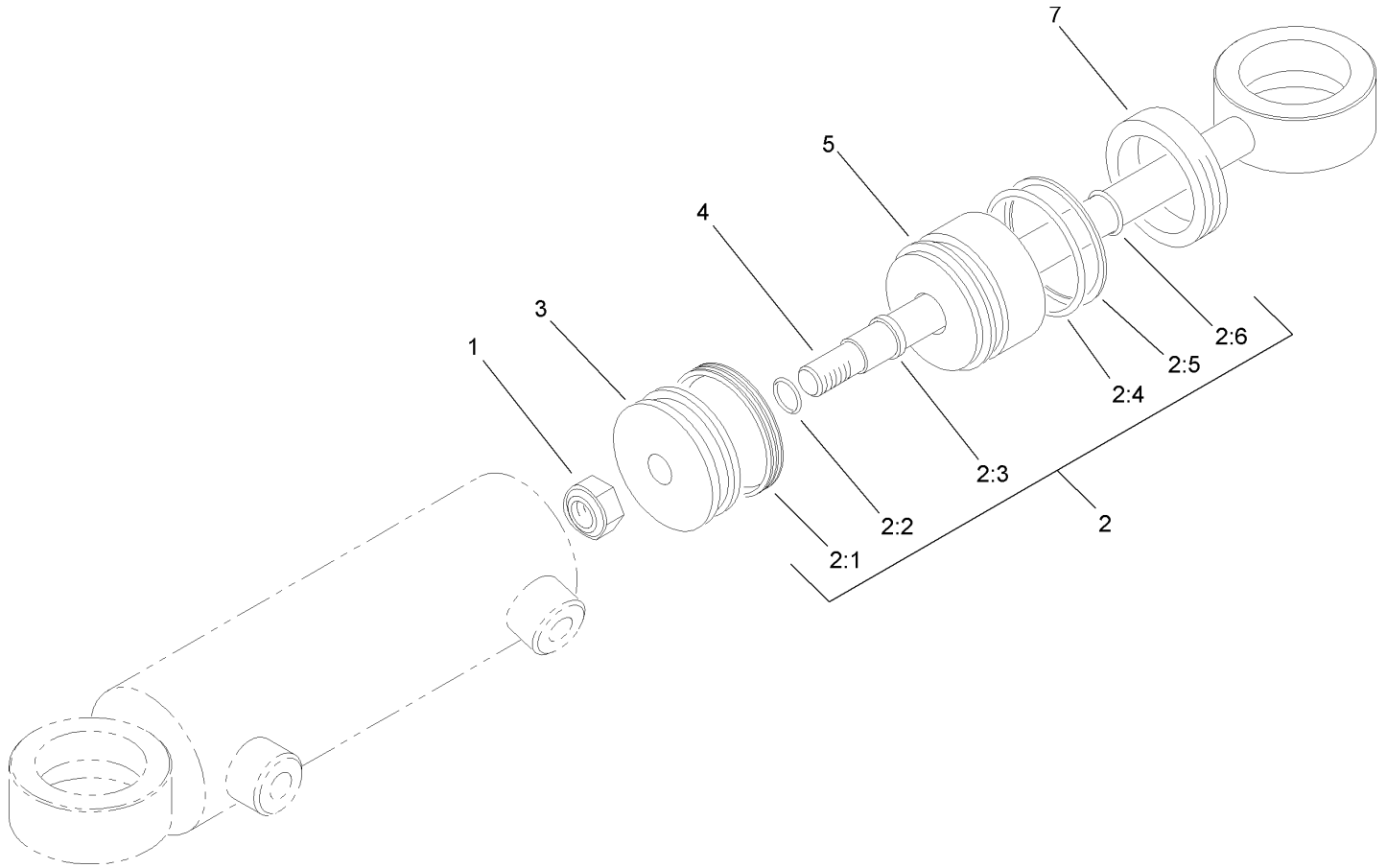
| Ref | Part No. | Qty. | Description |
|-----|----------|------|--------------------------|
| 1 | 95-7509 | 1 | Shaft-Gear, Differential |
| 2 | 95-7512 | 1 | Shaft-Gear, Differential |
| 3 | 95-7518 | 4 | Gear-Bevel, 18 Tooth |
| 4 | 99-7530 | 4 | Bearing-Ball |
| 5 | 99-7552 | 2 | Shim 0.1 |
| 5 | 99-7553 | 2 | Shim 0.2 |
| 5 | 99-7554 | 2 | Shim 0.5 |
| 6 | 99-7531 | 2 | Clip |
| 7 | 106-1101 | 2 | Shaft-Gear, Bevel |
| 8 | 99-7532 | 2 | Bearing-Roller, Taper |
| 9 | 95-7543 | 2 | Spacer |
| 10 | 99-7533 | 2 | Collar-Thrust |
| 11 | 99-7558 | 2 | Collar |

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Axle Case Assembly Rear Axle Assembly No. 106-1120

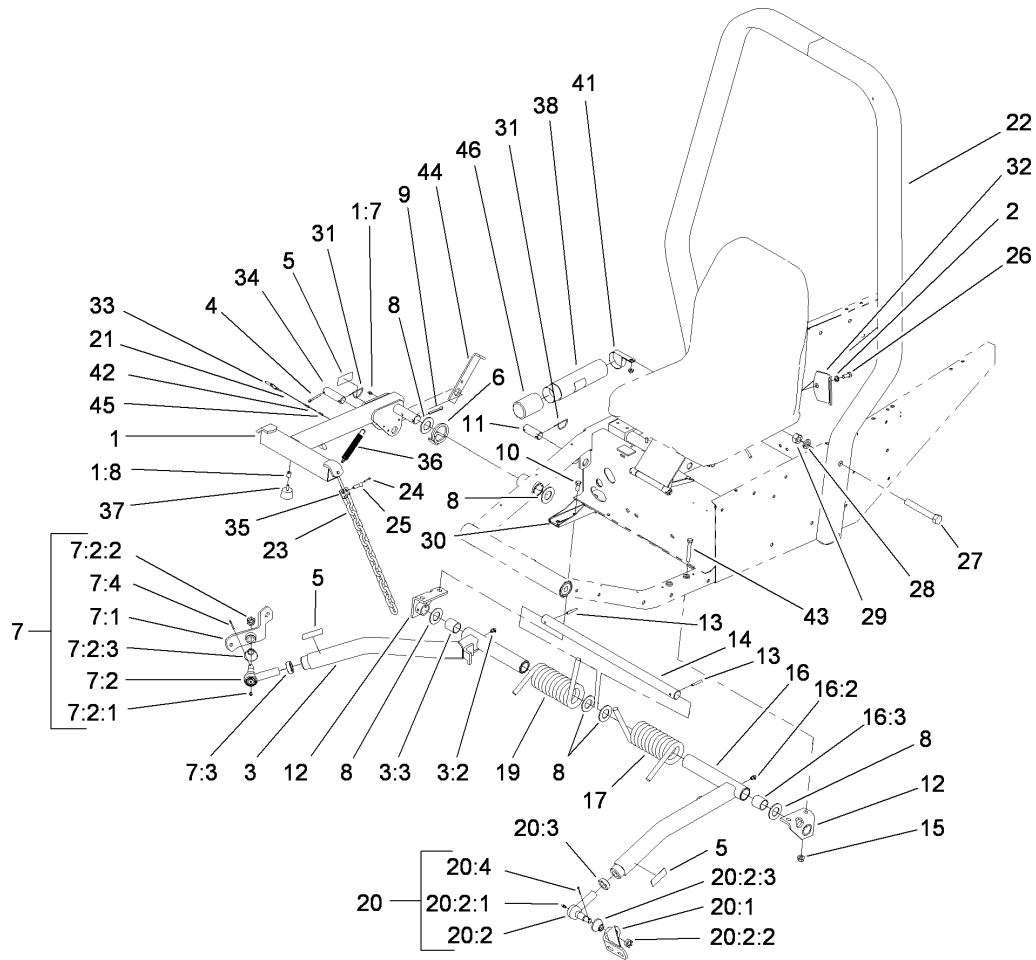
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-----------------------|
| 1 | 106-1100 | 2 | Case-Axle |
| 2 | 99-7594 | 2 | Seal-Oil |
| 3 | 99-7535 | 2 | Plug |
| 4 | 99-7536 | 2 | Washer-Seal |
| 5 | 95-7528 | 2 | Gear-Bevel, 27 Tooth |
| 6 | 99-7532 | 2 | Bearing-Roller, Taper |
| 7 | 95-7526 | 2 | Cover-Axle |
| 8 | 106-1072 | 2 | O-Ring |
| 9 | 99-7589 | 2 | Plug |
| 10 | 99-7590 | 2 | Washer-Seal |
| 11 | 99-7596 | 12 | Bolt |
| 12 | 106-1102 | 2 | Bolt-Stop |
| 13 | 106-1103 | 2 | Nut |



Hydraulic Cylinder Assembly No. 99-2415

| Ref | Part No. | Qty. | Description |
|-----|----------|------|-----------------|
| 1 | 32152-10 | 1 | Locknut |
| 2 | 86-5390 | 1 | Seal Kit |
| 2:1 | | 1 | Uniring |
| 2:2 | | 1 | O-Ring |
| 2:3 | | 1 | Seal-Rod |
| 2:4 | | 1 | O-Ring |
| 2:5 | | 1 | Ring-Backup |
| 2:6 | | 1 | O-Ring |
| 3 | | 1 | Piston |
| 4 | | 1 | Rod |
| 5 | | 1 | Head |
| 7 | | 1 | Collar-Internal |

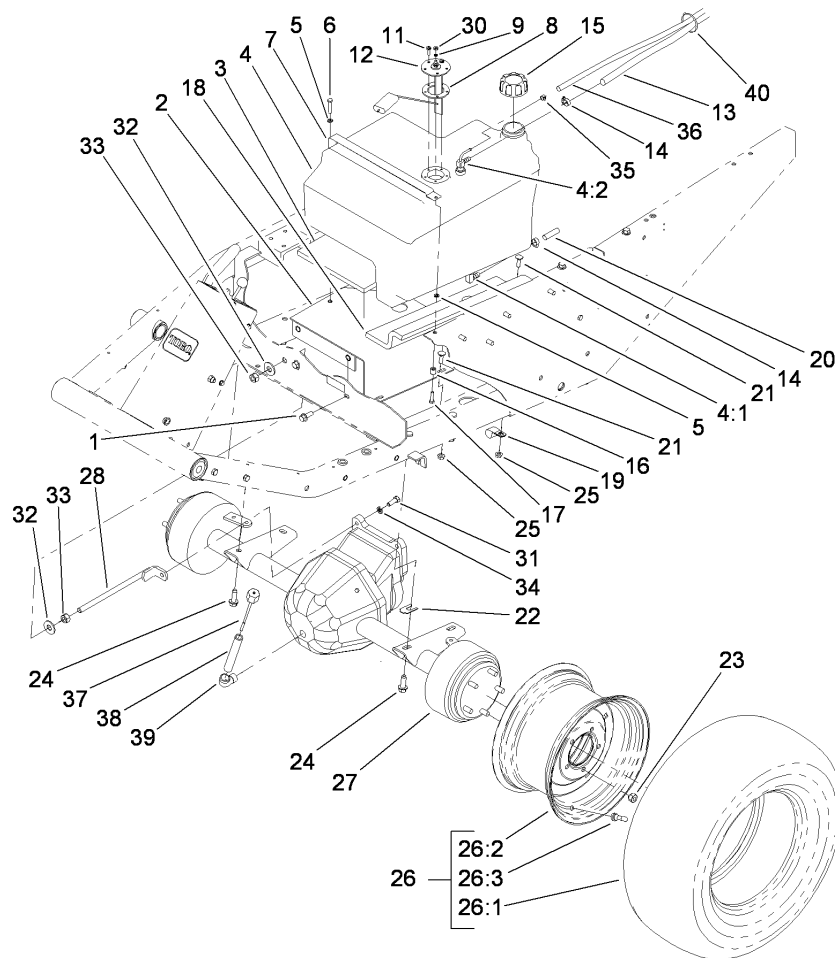
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Push Arm and Roll-Over Protection System Assembly

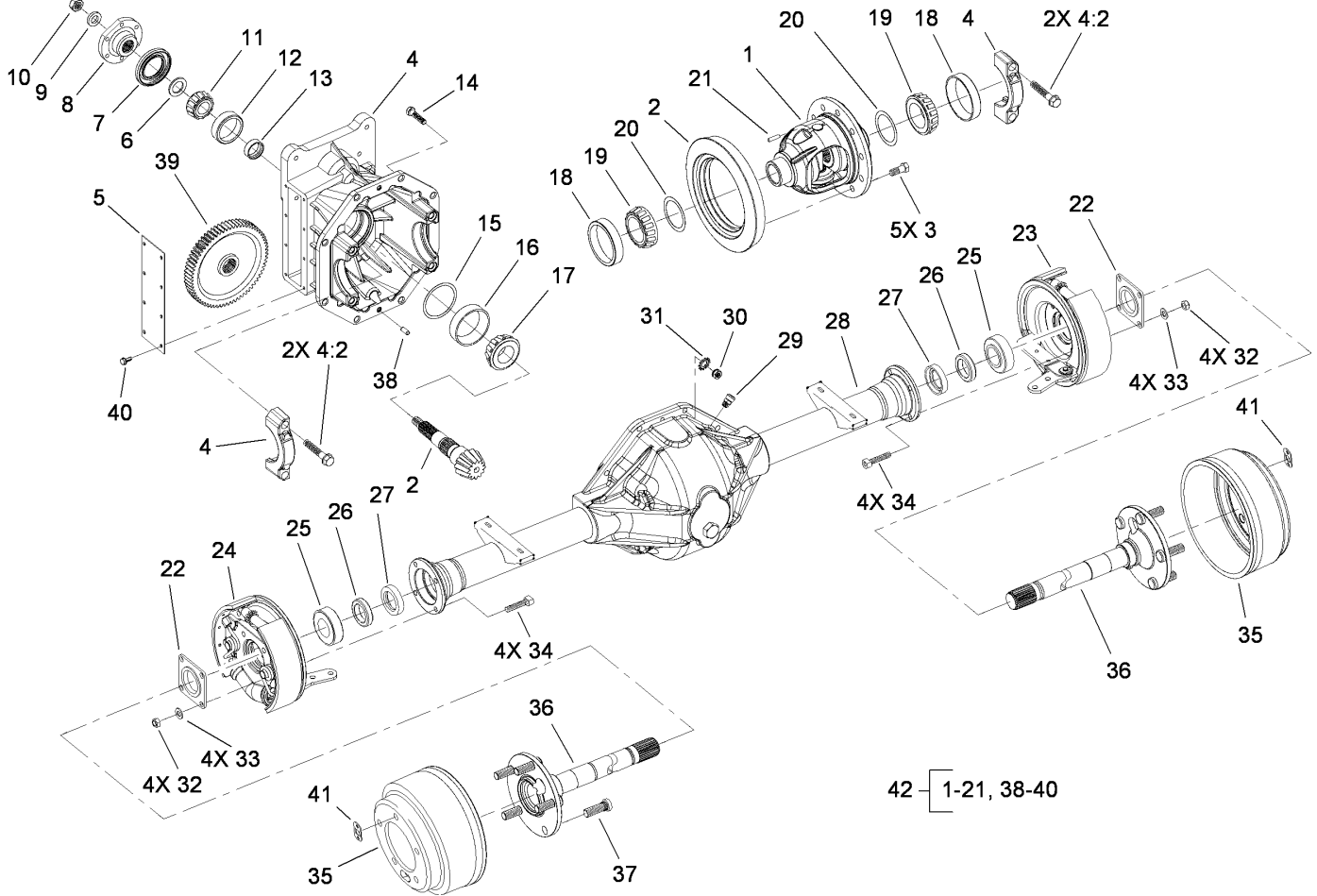
| Ref | Part No. | Qty. | Description |
|-------|------------|------|----------------------|
| 1 | 66-6370 | 1 | Lift Arm ASM |
| 1:7 | 302-5 | 1 | Fitting-Grease |
| 1:8 | 3290-472 | 1 | Insert-Threaded |
| 2 | 3253-6 | 2 | Washer-Lock |
| 3 | 66-7150 | 1 | Arm-Push, RH |
| 3:2 | 302-33 | 1 | Fitting-Grease |
| 3:3 | 256-126 | 2 | Bushing |
| 4 | 3272-24 | 1 | Pin-Cotter |
| 5 | 93-6696 | 3 | Decal-Warning |
| 6 | 46-8840-01 | 1 | Spring-Lift Arm |
| 7 | | 1 | RH Ball Joint ASM |
| 7:1 | 21-3020-01 | 1 | Mount-Balljoint, RH |
| 7:2 | 86-8100-01 | 1 | Ball Joint ASM |
| 7:2:1 | 302-5 | 1 | Fitting-Grease |
| 7:2:2 | 32136-2 | 1 | Nut-SHH |
| 7:2:3 | 114-2874 | 1 | Seal-Ball Joint |
| 7:3 | 21-3000 | 1 | Nut-HJ |
| 7:4 | 3272-11 | 1 | Pin-Cotter |
| 8 | 5-1754 | 6 | Washer-Flat |
| 9 | 3272-33 | 1 | Pin-Cotter |
| 10 | 110-9672 | 2 | Screw-HH |
| 11 | 3-7292 | 1 | Pin-Clevis |
| 12 | 21-2860-01 | 2 | Push Arm Bracket ASM |
| 13 | 32121-84 | 2 | Pin-Spiral |

| Ref | Part No. | Qty. | Description |
|--------|-------------|------|----------------------------|
| 14 | 21-2990 | 1 | Shaft-Pivot |
| 15 | 110-9671 | 4 | Nut-HF |
| 16 | 21-2960 | 1 | Arm-Push, LH |
| 16:2 | 302-33 | 1 | Fitting-Grease |
| 16:3 | 256-126 | 2 | Bushing |
| 17 | 21-2900-01 | 1 | Spring-Torsion, LH |
| 17 | 105-9550-01 | 1 | Spring-Torsion, LH (Light) |
| 19 | 21-2890-01 | 1 | Spring-Torsion, RH |
| 20 | | 1 | LH Ball Joint ASM |
| 20:1 | 21-3050-01 | 1 | LH Ball Joint Mount ASM |
| 20:2 | 86-8100-01 | 1 | Ball Joint ASM |
| 20:2:1 | 302-5 | 1 | Fitting-Grease |
| 20:2:2 | 32136-2 | 1 | Nut-SHH |
| 20:2:3 | 114-2874 | 1 | Seal-Ball Joint |
| 20:3 | 21-3000 | 1 | Nut-HJ |
| 20:4 | 3272-11 | 1 | Pin-Cotter |
| 21 | 28-8070 | 1 | Lanyard |
| 22 | 99-1299-03 | 1 | ROPS-2 Post |
| 23 | 3-1365 | 3 | Chain |
| 24 | 3272-10 | 6 | Pin-Cotter |
| 25 | 283-10 | 6 | Pin-Clevis |
| 26 | 3212-4 | 2 | Screw-HH |
| 27 | 328-12 | 4 | Screw-HH |
| 28 | 3253-9 | 4 | Washer-Lock |



Fuel Tank and Front Axle Assembly

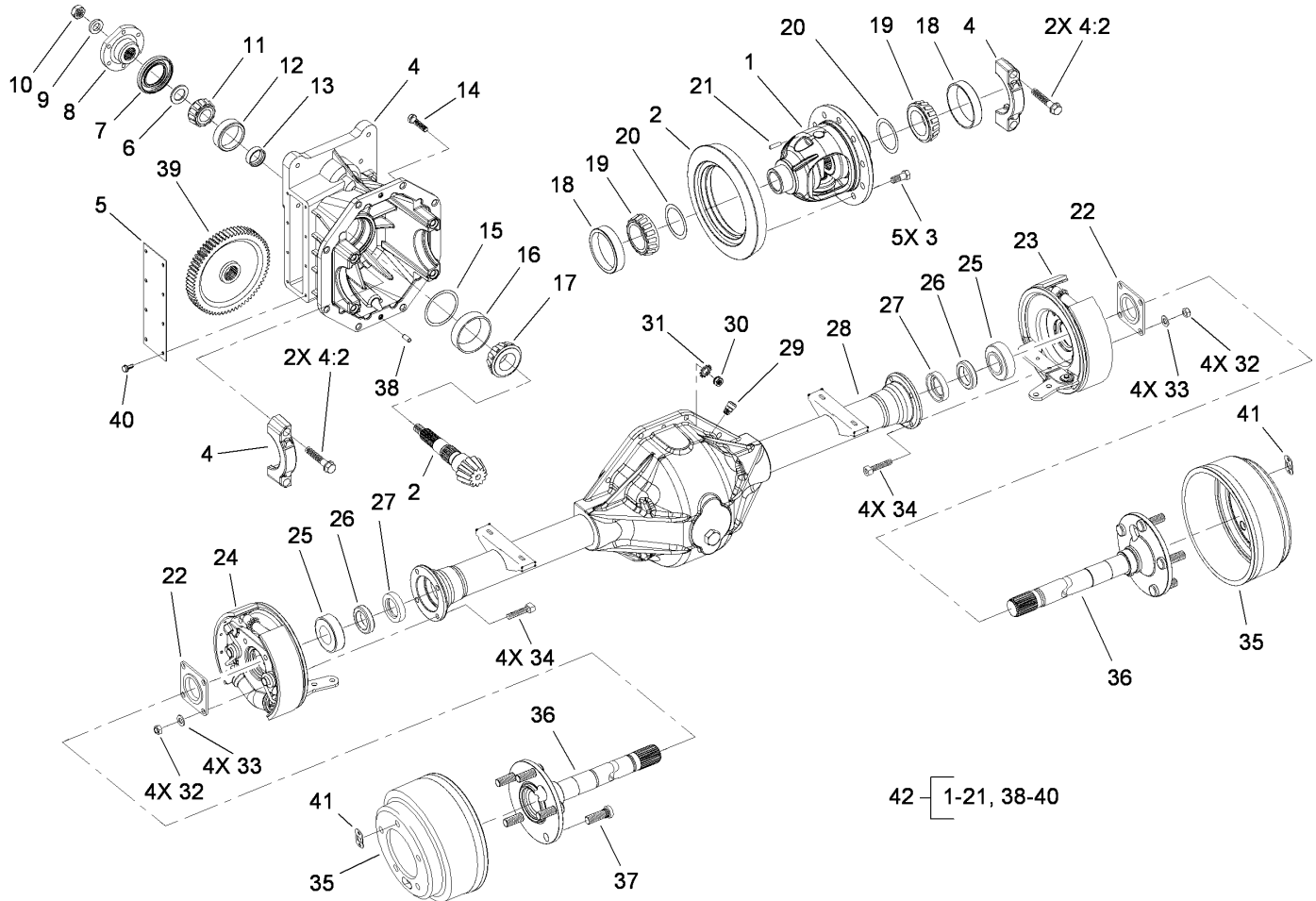
| Ref | Part No. | Qty. | Description | Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------------------|------|------------|------|-----------------------|
| 1 | 3234-11 | 2 | Screw-HHF | 24 | 32144-67 | 4 | Screw |
| 2 | 68-9760 | 1 | Fuel Tank Base ASM | 25 | 32128-20 | 3 | Nut-HF |
| 3 | 21-3600 | 1 | Foam-Support, Tank | 26 | | 2 | Wheel And Tire ASM |
| 4 | 115-4519 | 1 | Fuel Tank ASM | 26:1 | 95-3348 | 1 | Tire |
| 4:1 | 115-4518 | 1 | Pipe-Stand | 26:2 | 217-117 | 1 | Wheel |
| 4:2 | 43-4160 | 1 | Fitting-Return And Vent | 26:3 | 232-27 | 1 | Stem-Valve |
| 5 | 3253-3 | 2 | Washer-Lock | 27 | 86-9630-03 | 1 | Axle ASM |
| 6 | 32104-96 | 1 | Screw-HH | 28 | 24-9830-01 | 1 | Axle Support ASM |
| 7 | 37-9550 | 1 | Strap-Tank, Fuel | 30 | 3219-14 | 1 | Nut-Hex |
| 8 | 62-7650 | 1 | Gasket | 31 | 323-6 | 1 | Screw-HH |
| 9 | 3253-17 | 1 | Washer-Lock | 32 | 3256-6 | 2 | Washer-Flat |
| 11 | 32144-53 | 5 | Screw-SHWH | 33 | 3217-9 | 2 | Nut-HH |
| 12 | 105-2563 | 1 | Sender-Fuel | 34 | 3253-21 | 1 | Washer-Lock |
| 13 | 110-4109 | 1 | Hose-Fuel | 35 | 2412-80 | 2 | Clamp-Line, Fuel |
| 14 | 2412-108 | 2 | Clamp-Worm | 36 | 110-5688 | 1 | Hose-Fuel |
| 15 | 55-3572 | 1 | Fuel Cap ASM | 37 | 23-5180 | 1 | Dipstick ASM |
| 16 | 22-7810 | 1 | Spacer | 38 | 289-37 | 1 | Nipple-Pipe |
| 17 | 321-6 | 1 | Screw-HH | 39 | 2811-9 | 1 | Fitting-Elbow, Street |
| 18 | 21-3610 | 1 | Foam-Support, Tank | 40 | 3290-379 | 1 | Tie-Cable |
| 19 | 2412-4 | 1 | Clamp | | | | |
| 20 | 109-0274 | 1 | Hose-Fuel | | | | |
| 21 | 3230-2 | 3 | Bolt-CARR | | | | |
| 22 | 42-6080 | 1 | Shim-Axle | | | | |
| 23 | 23-7270 | 10 | Nut-Wheel | | | | |



Front Axle Assembly No. 86-9630-03

| Ref | Part No. | Qty. | Description |
|-----|----------|------|----------------------------|
| 1 | 110-4136 | 1 | Differential Case ASM |
| 2 | 92-1676 | 1 | Gear And Pinion ASM |
| 3 | 21-7770 | 5 | Screw-Gear, Drive |
| 4 | 86-9610 | 1 | Carrier Assy |
| 4:2 | 92-1773 | 4 | Screw-HHF |
| 5 | 21-7830 | 1 | Cover-Gear |
| 6 | 72-3570 | 1 | Shim-Bearing, Front (.094) |
| 6 | 72-3571 | 1 | Shim-Bearing, Front (.096) |
| 6 | 72-3572 | 1 | Shim-Bearing, Front (.098) |
| 6 | 72-3573 | 1 | Shim-Bearing, Front (.100) |
| 6 | 72-3574 | 1 | Shim-Bearing, Front (.102) |
| 6 | 72-3575 | 1 | Shim-Bearing, Front (.104) |
| 6 | 72-3576 | 1 | Shim-Bearing, Front (.106) |
| 6 | 72-3577 | 1 | Shim-Bearing, Front (.108) |
| 6 | 72-3578 | 1 | Shim-Bearing, Front (.110) |
| 6 | 72-3580 | 1 | Shim-Bearing, Front (.112) |
| 6 | 72-3581 | 1 | Shim-Bearing, Front (.114) |
| 6 | 72-3582 | 1 | Shim-Bearing, Front (.116) |
| 6 | 72-3583 | 1 | Shim-Bearing, Front (.118) |
| 6 | 72-3584 | 1 | Shim-Bearing, Front (.120) |
| 6 | 72-3585 | 1 | Shim-Bearing, Front (.125) |
| 6 | 72-3586 | 1 | Shim-Bearing, Front (.127) |
| 6 | 72-3587 | 1 | Shim-Bearing, Front (.129) |
| 6 | 72-3588 | 1 | Shim-Bearing, Front (.131) |

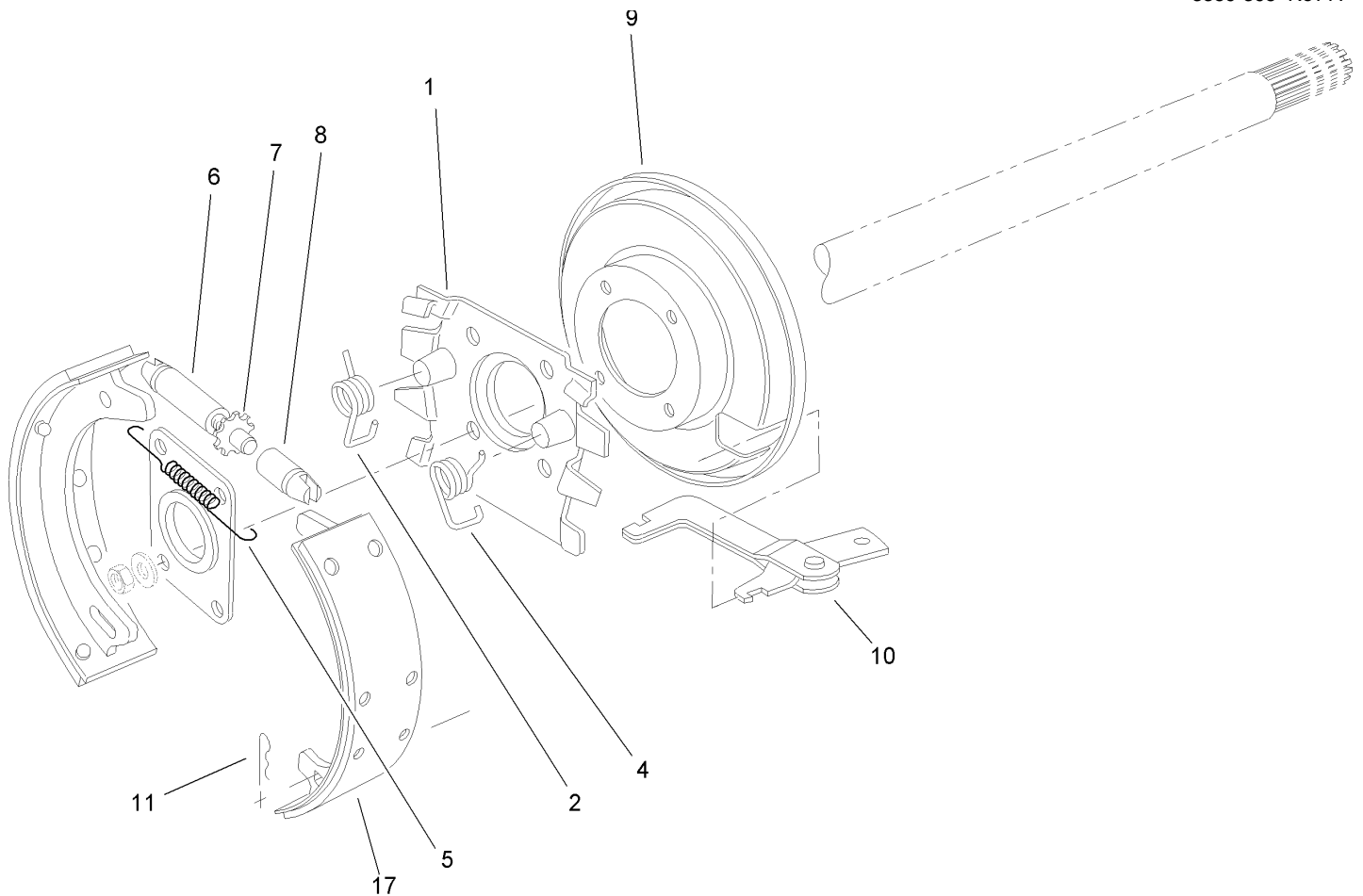
| Ref | Part No. | Qty. | Description |
|-----|----------|------|----------------------------|
| 6 | 72-3590 | 1 | Shim-Bearing, Front (.133) |
| 6 | 72-3591 | 1 | Shim-Bearing, Front (.135) |
| 6 | 72-3592 | 1 | Shim-Bearing, Front (.137) |
| 6 | 72-3593 | 1 | Shim-Bearing, Front (.139) |
| 6 | 72-3594 | 1 | Shim-Bearing, Front (.141) |
| 6 | 72-3595 | 1 | Shim-Bearing, Front (.143) |
| 6 | 72-3596 | 1 | Shim-Bearing, Front (.145) |
| 6 | 72-3597 | 1 | Shim-Bearing, Front (.147) |
| 6 | 72-3598 | 1 | Shim-Bearing, Front (.149) |
| 6 | 72-3600 | 1 | Shim-Bearing, Front (.151) |
| 7 | 71-4330 | 1 | Seal |
| 8 | 68-7010 | 1 | Flange |
| 9 | 71-4340 | 1 | Washer |
| 10 | 71-4350 | 1 | Nut |
| 11 | 254-91 | 1 | Cone-Bearing |
| 12 | 254-90 | 1 | Bearing-Cup |
| 13 | 21-8020 | 1 | Spacer-Bearing |
| 14 | 3210-7 | 8 | Screw-HH |
| 15 | 43-6710 | 1 | Shim-Pinion (.003) |
| 15 | 43-6711 | 1 | Shim-Pinion (.005) |
| 15 | 43-6712 | 1 | Shim-Pinion (.010) |
| 15 | 43-6713 | 1 | Shim-Pinion (.030) |
| 16 | 43-6750 | 1 | Bearing-Taper, Cup |
| 17 | 43-6760 | 1 | Bearing-Roller, Cone Taper |



Front Axle Assembly No. 86-9630-03 (continued)

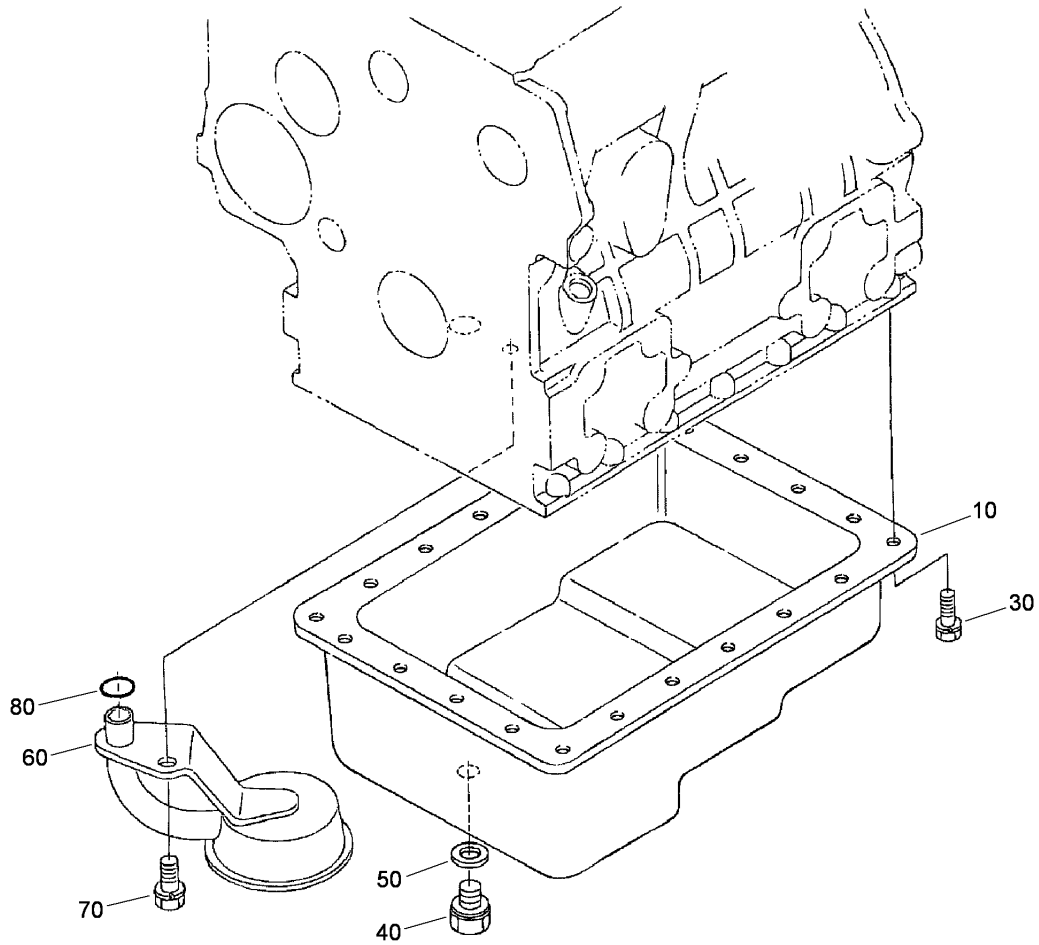
| Ref | Part No. | Qty. | Description |
|-----|------------|------|-----------------------------------|
| 18 | 254-66 | 2 | Cup-Bearing, Roller |
| 19 | 254-65 | 2 | Cone-Bearing, Roller |
| 20 | 21-8090 | 1 | Shim-Bearing, Differential (.003) |
| 20 | 21-8100 | 1 | Shim-Bearing, Differential (.005) |
| 20 | 21-8110 | 1 | Shim-Bearing, Differential (.010) |
| 20 | 21-8120 | 1 | Shim-Bearing, Differential (.030) |
| 21 | 32121-15 | 1 | Pin-Roll |
| 22 | 28-0670 | 2 | Seal-Grease |
| 23 | | 1 | LH Brake ASM |
| 24 | | 1 | RH Brake ASM |
| 25 | 21-8180 | 2 | Bearing ASM |
| 26 | 99-6969 | 2 | Seal-Oil, Wheel End |
| 27 | 24-8840 | 2 | Ring-Retaining, Wheel Bearing |
| 28 | 43-6840 | 1 | Housing-Lower |
| 29 | 72-9420 | 1 | Vent |
| 30 | 3219-2 | 8 | Nut-Hex |
| 31 | 3255-8 | 8 | Washer-Lock |
| 32 | 94-6935 | 8 | Locknut |
| 33 | 94-6936 | 8 | Washer-Hardened |
| 34 | 94-6934 | 8 | Screw-HH |
| 35 | 28-0680-03 | 2 | Drum-Brake |
| 36 | 28-0650 | 2 | Shaft-Axle, Flanged |
| 37 | 242-34 | 10 | Stud-Drive |
| 38 | 21-8270 | 2 | Pin-Dowel |

| Ref | Part No. | Qty. | Description |
|-----|-----------|------|--------------------------|
| 39 | 86-7230 | 1 | Gear-Input, Transmission |
| 40 | 32144-112 | 8 | Screw-HWH |
| 41 | 21-8360 | 2 | Clip-Retaining |
| 42 | 92-4902 | 1 | Differential Carrier ASM |



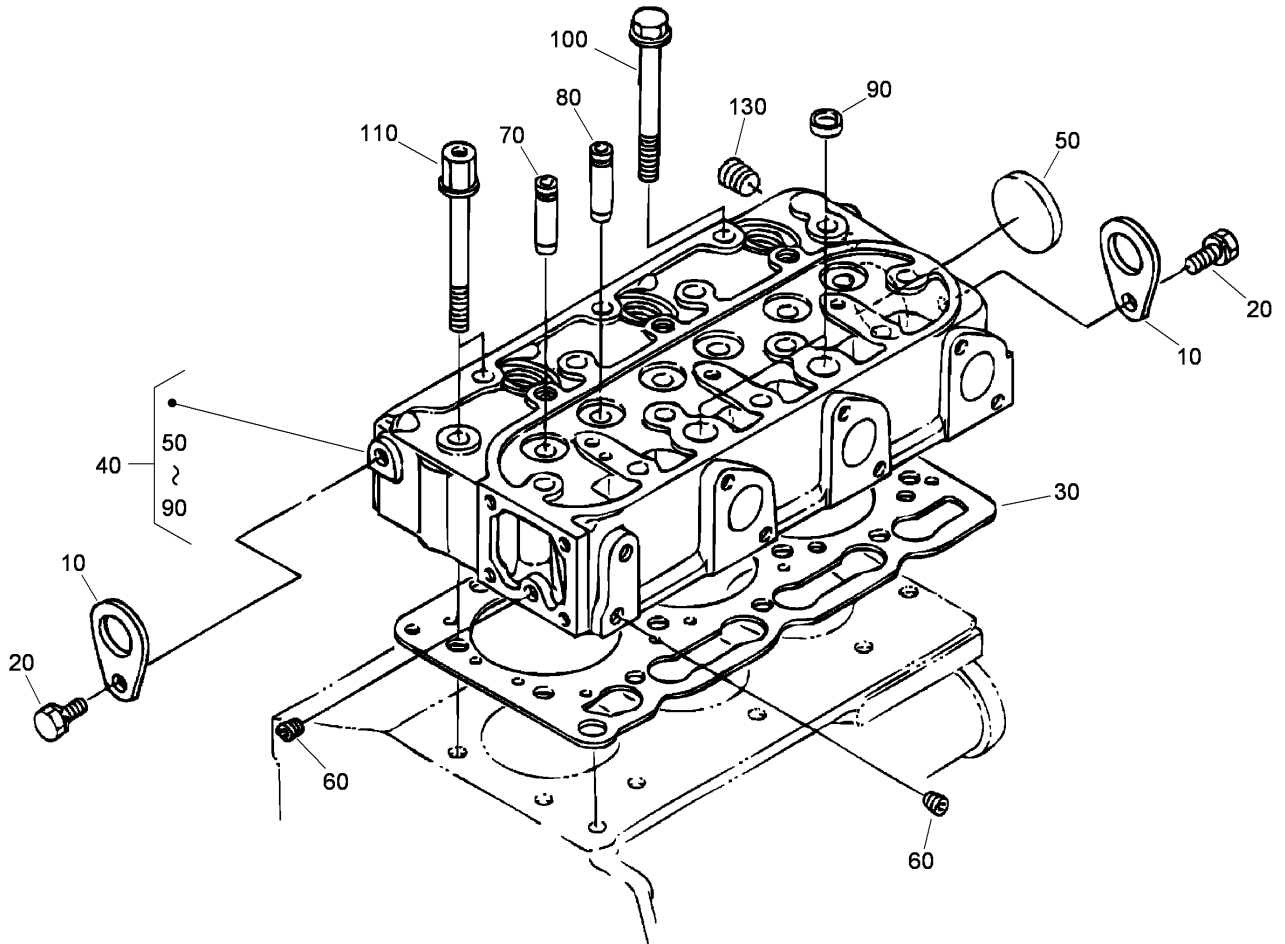
Front Axle Brake Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------------------|
| 1 | 43-6810 | 1 | Spider-Torque |
| 2 | 21-9420 | 1 | Spring-Return, LH |
| 4 | 21-9430 | 1 | Spring-Return, RH |
| 5 | 21-9440 | 1 | Spring-Screw, Adjusting |
| 6 | 21-9380 | 1 | Nut-Pivot |
| 7 | 21-9370 | 1 | Screw-Adjusting |
| 8 | 21-9390 | 1 | Socket-Screw, Adjusting |
| 9 | 21-9450 | 1 | Shield-Dust |
| 10 | 24-9180 | 1 | Strut And Lever ASM |
| 11 | 21-9460 | 2 | Retainer-Lever, Brake |
| 17 | 84-8600 | 1 | Set-Shoes, Lined |
| ●18 | 92-8775 | 1 | Liquid Gasket Kit |



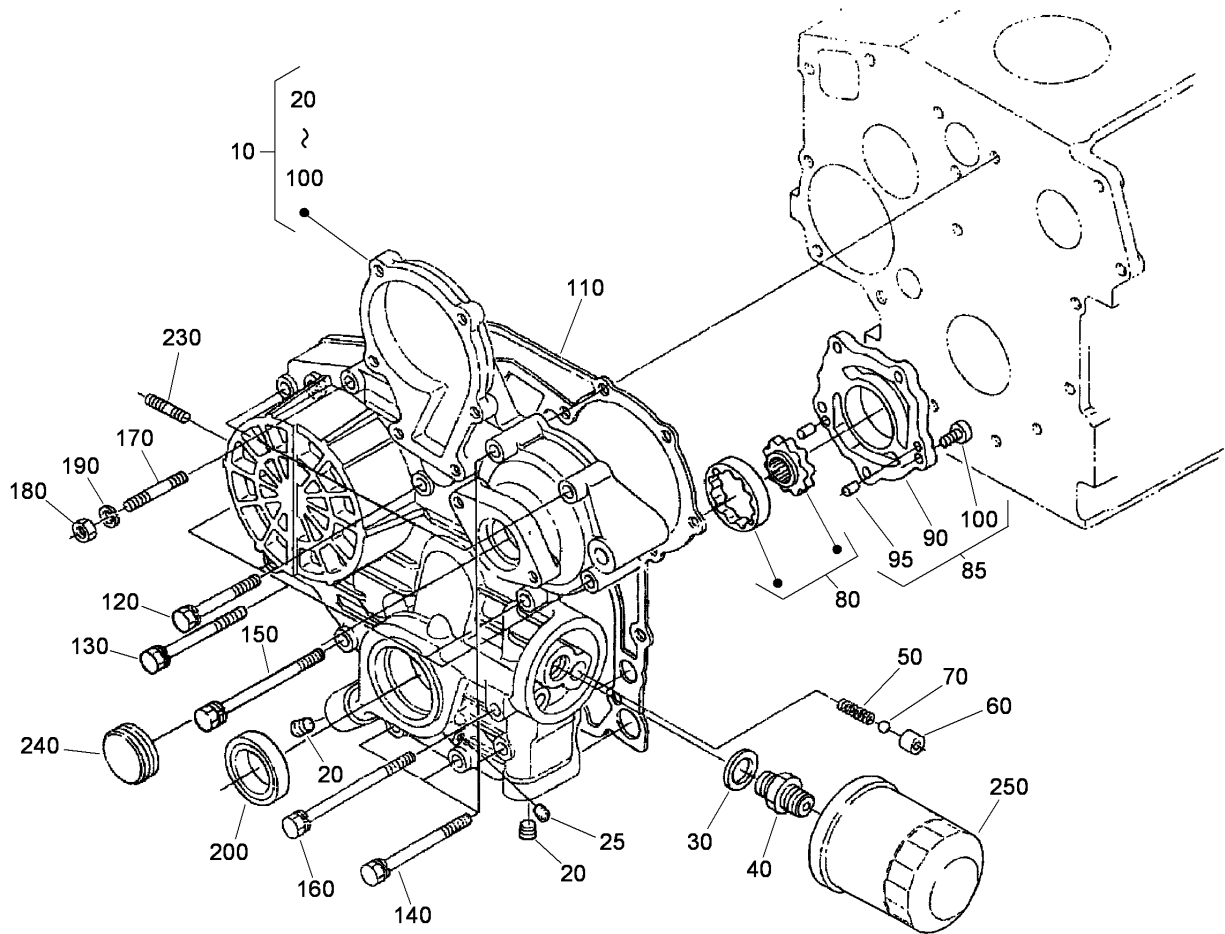
Oil Pan Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|--------------------|
| 10 | 104-3495 | 1 | Pan-Oil |
| 30 | 107-9065 | 22 | Bolt |
| 40 | 114-8151 | 1 | Plug-Drain |
| 50 | 98-7524 | 1 | Gasket |
| 60 | 104-3496 | 1 | Filter-Pickup, Oil |
| 70 | 98-7526 | 1 | Bolt |
| 80 | 105-3776 | 1 | O-Ring |



Cylinder Head Assembly

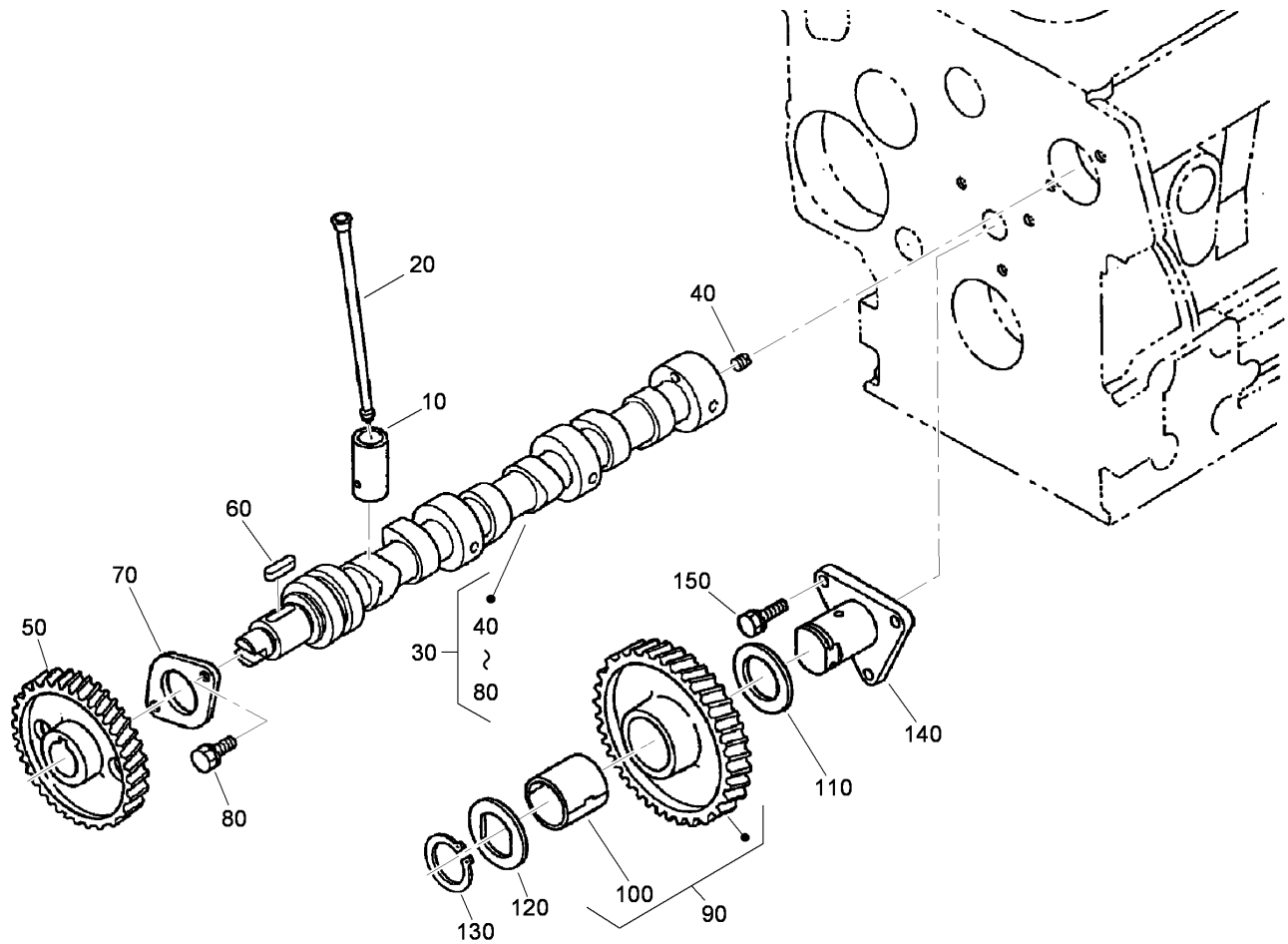
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-----------------------|
| 10 | 98-7531 | 2 | Hook-Engine |
| 20 | 100-9195 | 2 | Bolt |
| 30 | 108-6573 | 1 | Gasket-Head, Cylinder |
| 40 | 108-6574 | 1 | Cylinder Head ASM |
| 50 | 105-3705 | 1 | Cap-Sealing |
| 60 | 98-9687 | 2 | Plug |
| 70 | 107-9066 | 3 | Guide-Valve, Inlet |
| 80 | 107-9067 | 3 | Guide-Valve, Exhaust |
| 90 | 98-9389 | 2 | Cap-Sealing |
| 100 | 98-9479 | 1 | Bolt-Head, Cylinder |
| 110 | 98-9647 | 2 | Bolt-Head, Cylinder |
| 130 | 98-9444 | 1 | Plug |



Gear Case Assembly

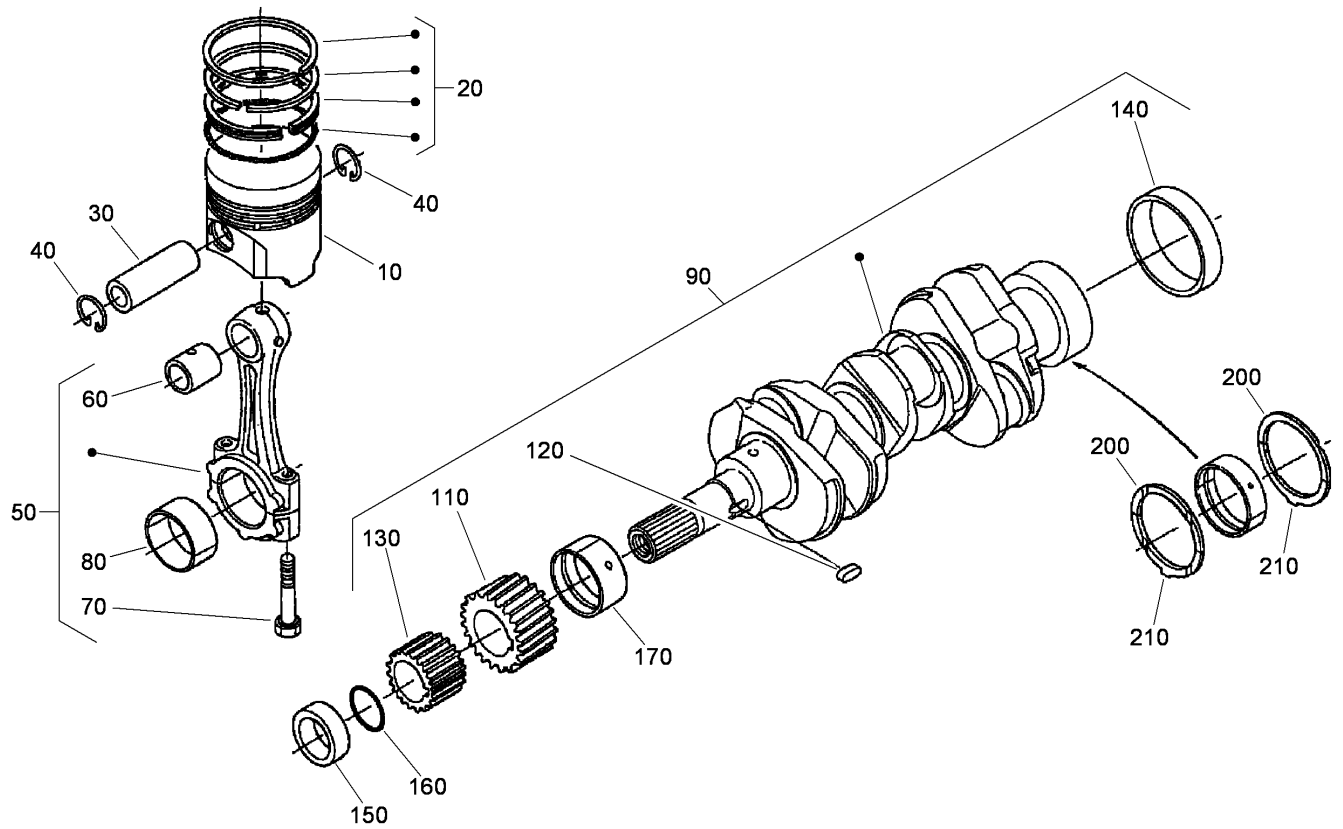
| Ref | Part No. | Qty. | Description |
|-----|----------|------|--------------------|
| 10 | 115-4105 | 1 | Gear Case ASM |
| 20 | 98-9598 | 2 | Plug |
| 25 | 98-7487 | 1 | Plug |
| 30 | 98-7562 | 1 | Washer-Plain |
| 40 | 98-9388 | 1 | Joint-Pipe |
| 50 | 98-9544 | 1 | Spring |
| 60 | 98-9543 | 1 | Seat-Valve |
| 70 | 98-9380 | 1 | Ball |
| 80 | 98-9540 | 1 | Oil Pump Rotor ASM |
| 85 | 115-4501 | 1 | Pump Cover ASM |
| 90 | 107-9069 | 1 | Cover-Pump, Oil |
| 95 | 107-9072 | 2 | Pin-Straight |
| 100 | 107-9071 | 5 | Screw |
| 110 | 98-9633 | 1 | Gasket-Case, Gear |
| 120 | 107-9073 | 3 | Bolt |
| 130 | 105-3797 | 4 | Bolt |
| 140 | 98-9356 | 4 | Bolt |
| 150 | 107-9074 | 1 | Bolt |
| 160 | 98-9586 | 1 | Bolt |
| 170 | 105-3709 | 1 | Stud |
| 180 | 98-7572 | 1 | Nut |
| 190 | 98-7699 | 1 | Washer-Spring |
| 200 | 98-9482 | 1 | Seal-Oil |
| 230 | 105-3710 | 2 | Stud |

| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------|
| 240 | 98-9641 | 1 | Cover |
| 250 | 108-3841 | 1 | Filter-Oil |



Cam Shaft and Idle Gear Assembly

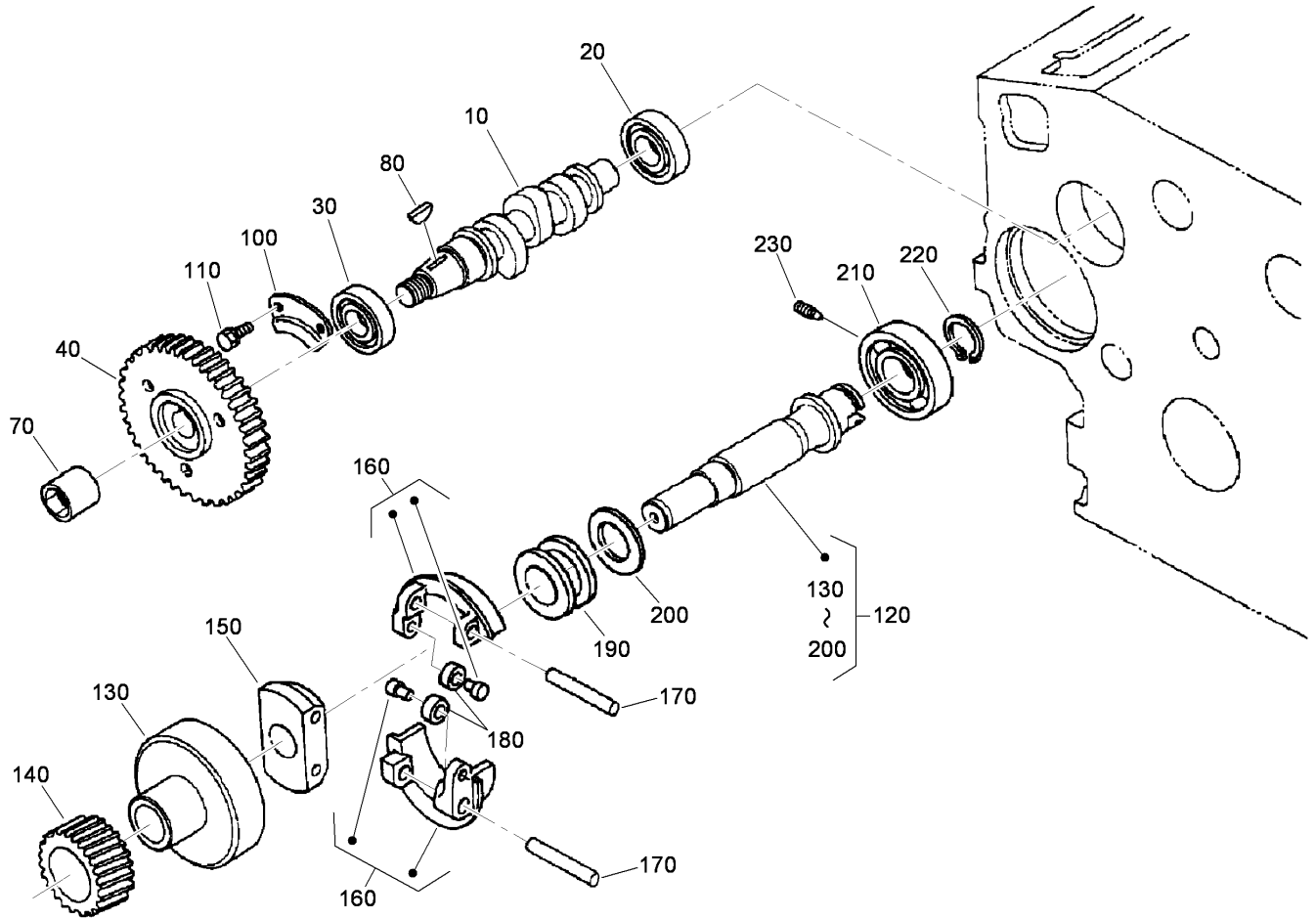
| Ref | Part No. | Qty. | Description |
|-----|----------|------|--------------------------|
| 10 | 112-0185 | 6 | Tappet |
| 20 | 98-9509 | 6 | Rod-Push |
| 30 | 108-6576 | 1 | Camshaft ASM |
| 40 | 98-7449 | 1 | Screw-Set |
| 50 | 98-9512 | 1 | Gear-Cam |
| 60 | 98-9378 | 1 | Key-Feather |
| 70 | 98-9510 | 1 | Stopper-Camshaft |
| 80 | 98-9351 | 2 | Bolt |
| 90 | 98-9649 | 1 | Idle Gear ASM |
| 100 | 98-9650 | 1 | Bushing-Gear, Idle |
| 110 | 98-9535 | 1 | Collar-Gear, Idle |
| 120 | 98-9536 | 1 | Collar-Gear, Idle |
| 130 | 98-9534 | 1 | Clip-Circular, Idle Gear |
| 140 | 98-9533 | 1 | Shaft-Gear, Idle |
| 150 | 98-7692 | 3 | Bolt |



Piston and Crankshaft Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|---------------------------|
| 10 | 112-8415 | 3 | Piston ASM |
| 10 | 112-8404 | 3 | Piston |
| 20 | 98-9619 | 3 | Piston Ring ASM (0.5Mm) |
| 20 | 98-9618 | 3 | Piston Ring ASM (STD) |
| 30 | 98-9513 | 3 | Pin-Piston |
| 40 | 98-9514 | 6 | Clip-Circular, Piston Pin |
| 50 | 115-3013 | 3 | Connecting Rod ASM |
| 60 | 115-3014 | 3 | Bushing-Piston Pin |
| 70 | 98-9517 | 6 | Bolt-Rod, Connecting |
| 80 | 98-9520 | 3 | Bearing-Rod (0.4Mm) |
| 80 | 98-9519 | 3 | Bearing-Rod (0.2Mm) |
| 80 | 98-9518 | 3 | Metal-Crankpin (STD) |
| 90 | 98-9642 | 1 | Crankshaft ASM |
| 110 | 98-9532 | 1 | Gear-Crankshaft |
| 120 | 98-9666 | 1 | Key |
| 130 | 98-9542 | 1 | Gear-Drive, Oil Pump |
| 140 | 98-9522 | 1 | Sleeve-Crankshaft |
| 150 | 98-9521 | 1 | Collar-Crankshaft |
| 160 | 105-3783 | 1 | O-Ring |
| 170 | 98-9523 | 1 | Metal Crankshaft (STD) |
| 170 | 98-9528 | 1 | Bearing-Main (0.2Mm) |
| 170 | 98-9529 | 1 | Bearing-Main (0.4Mm) |
| 200 | 98-9413 | 2 | Bearing-Thrust (STD) |
| 200 | 98-9414 | 2 | Bearing-Thrust (0.2Mm) |

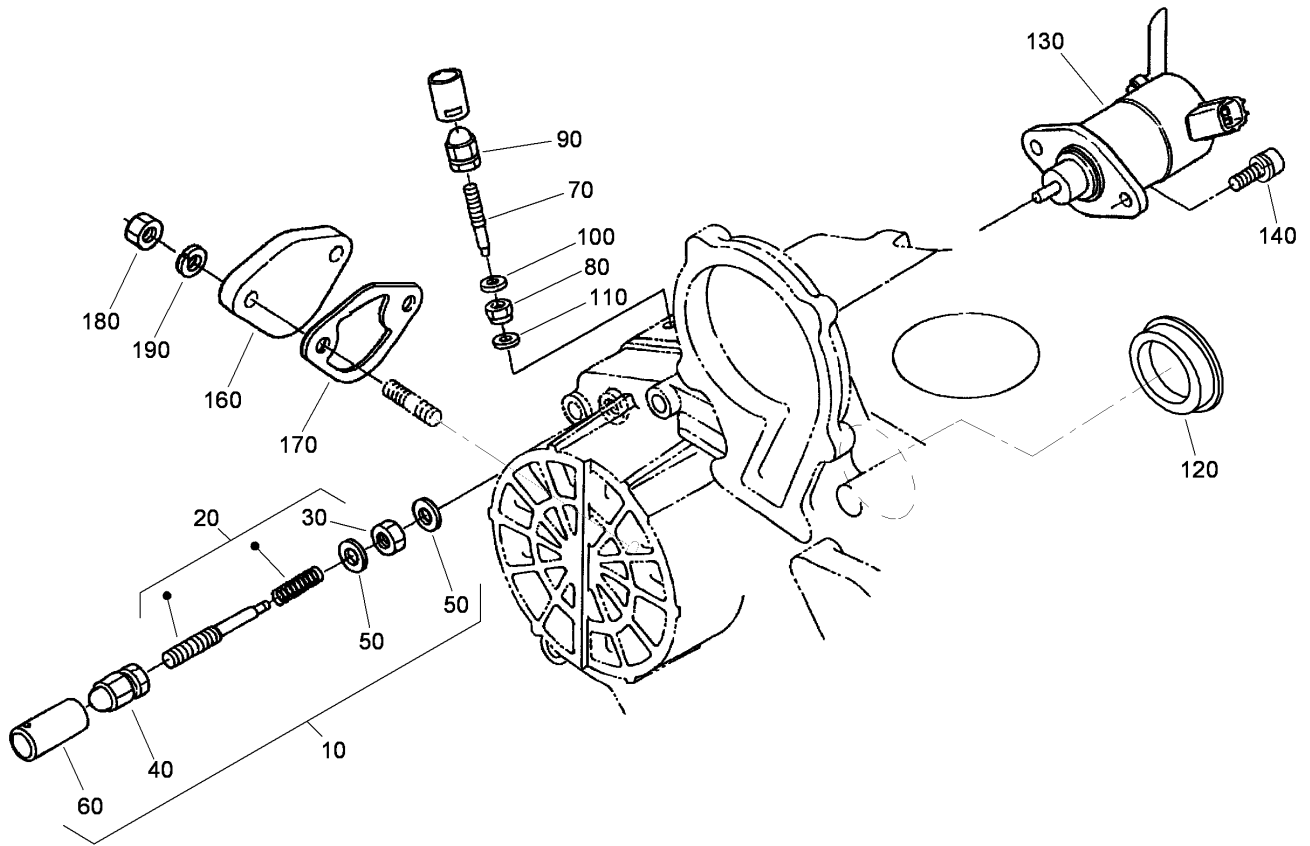
| Ref | Part No. | Qty. | Description |
|-----|----------|------|------------------------|
| 200 | 98-9415 | 2 | Bearing-Thrust (0.4Mm) |
| 210 | 98-9688 | 2 | Bearing-Thrust (STD) |
| 210 | 98-9689 | 2 | Bearing-Thrust (0.2Mm) |
| 210 | 98-9690 | 2 | Bearing-Thrust (0.4Mm) |



Fuel Camshaft and Governor Shaft Assembly

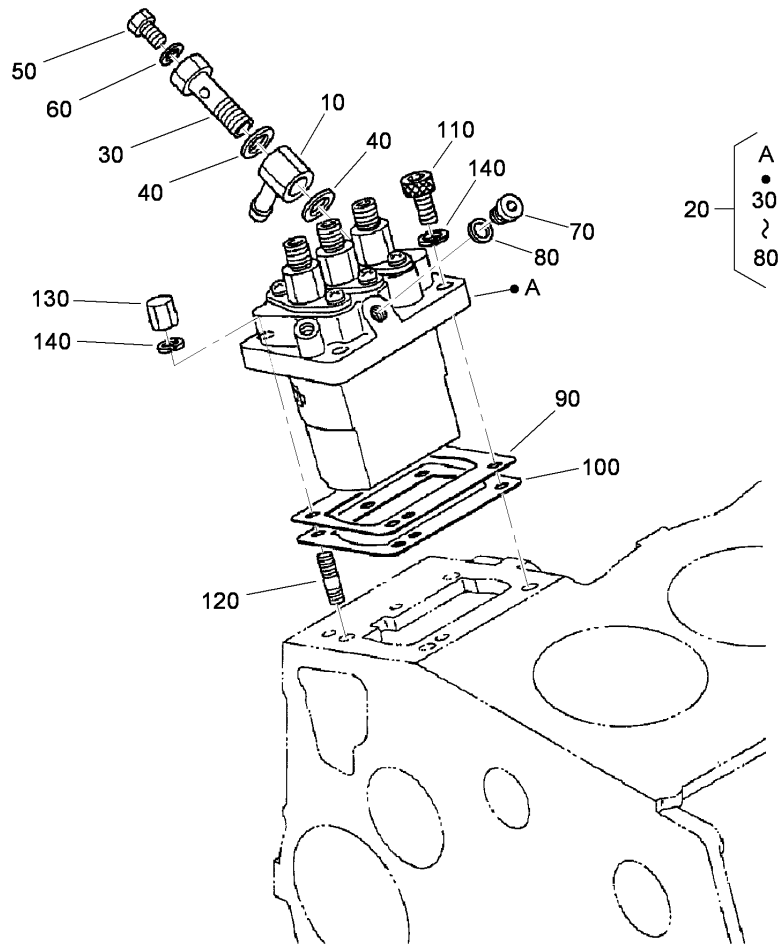
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------------------------|
| 10 | 98-9459 | 1 | Camshaft-Fuel |
| 20 | 107-9077 | 1 | Bearing-Ball |
| 30 | 107-9078 | 1 | Bearing-Ball |
| 40 | 98-9669 | 1 | Gear-Pump, Injection |
| 70 | 98-9590 | 1 | Nut-Cap |
| 80 | 98-9595 | 1 | Key-Woodruff |
| 100 | 98-9511 | 1 | Stopper-Fuel, Camshaft |
| 110 | 98-9350 | 2 | Bolt |
| 120 | 98-9644 | 1 | Governor Shaft ASM |
| 130 | 98-9562 | 1 | Holder-Gear, Governor |
| 140 | 98-9673 | 1 | Gear-Governor |
| 150 | 98-9561 | 1 | Holder-Weight, Governor |
| 160 | 98-9559 | 2 | Governor Weight ASM |
| 170 | 98-9560 | 2 | Shaft-Weight, Governor |
| 180 | 98-9692 | 2 | Roller |
| 190 | 98-9563 | 1 | Sleeve-Governor |
| 200 | 98-9564 | 1 | Washer-Thrust |
| 210 | 107-9079 | 1 | Bearing-Ball |
| 220 | 98-9657 | 1 | Clip-Circular, Governor Shaft |
| 230 | 98-9565 | 1 | Screw-Set |

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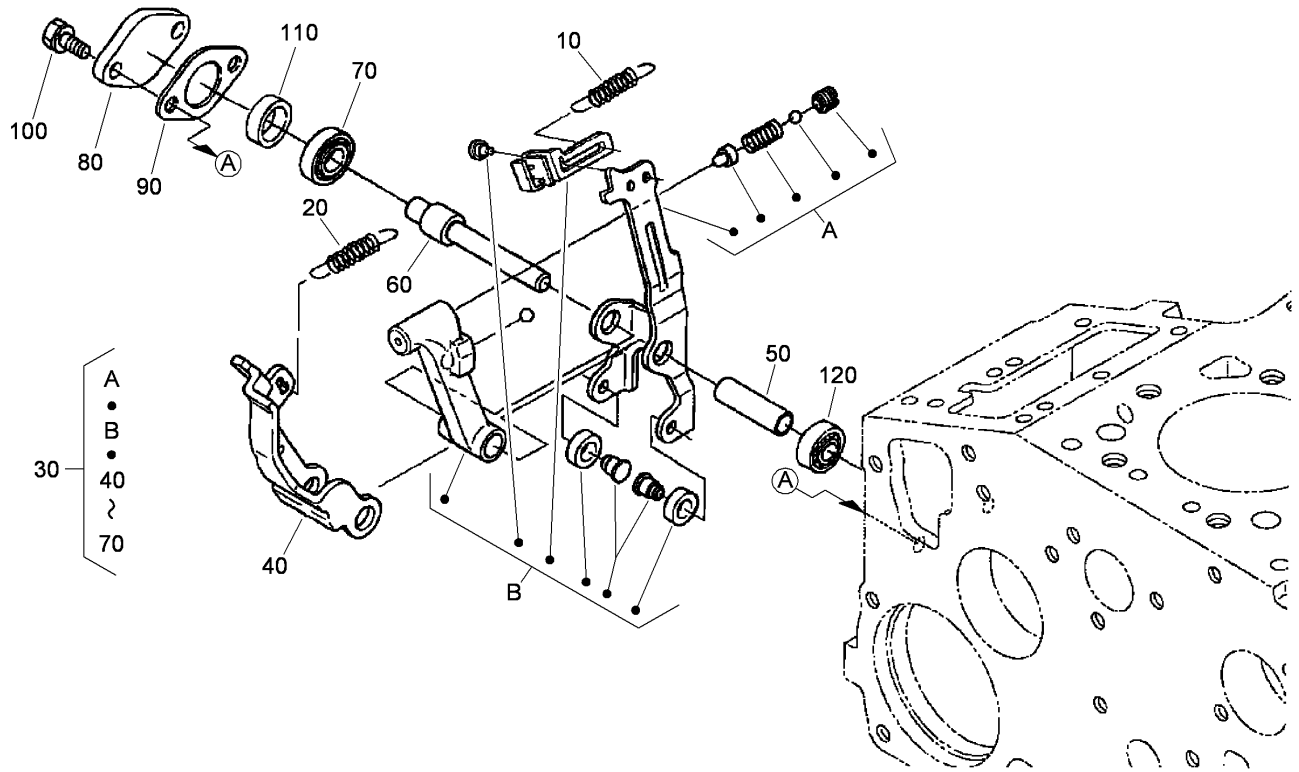
Idle Apparatus and Stop Solenoid Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|--------------------|
| 10 | 98-9678 | 1 | Idle Apparatus ASM |
| 20 | 112-7014 | 1 | Adjusting Bolt ASM |
| 30 | 98-9439 | 1 | Nut |
| 40 | 112-0181 | 1 | Nut |
| 50 | 98-7654 | 2 | Gasket |
| 60 | 98-7656 | 1 | Cap |
| 70 | 112-7015 | 1 | Bolt-Adjusting |
| 80 | 99-3512 | 1 | Nut |
| 90 | 112-0181 | 1 | Nut |
| 100 | 98-7654 | 1 | Gasket |
| 110 | 107-9081 | 1 | Gasket |
| 120 | 112-7016 | 1 | Cover-Pump |
| 130 | 104-5155 | 1 | Solenoid-Stop |
| 140 | 115-3039 | 2 | Bolt-HSH |
| 160 | 99-3514 | 1 | Cover |
| 170 | 98-9636 | 1 | Gasket-Pump, Fuel |
| 180 | 98-7572 | 2 | Nut |
| 190 | 98-7699 | 2 | Washer-Spring |



Injection Pump Assembly

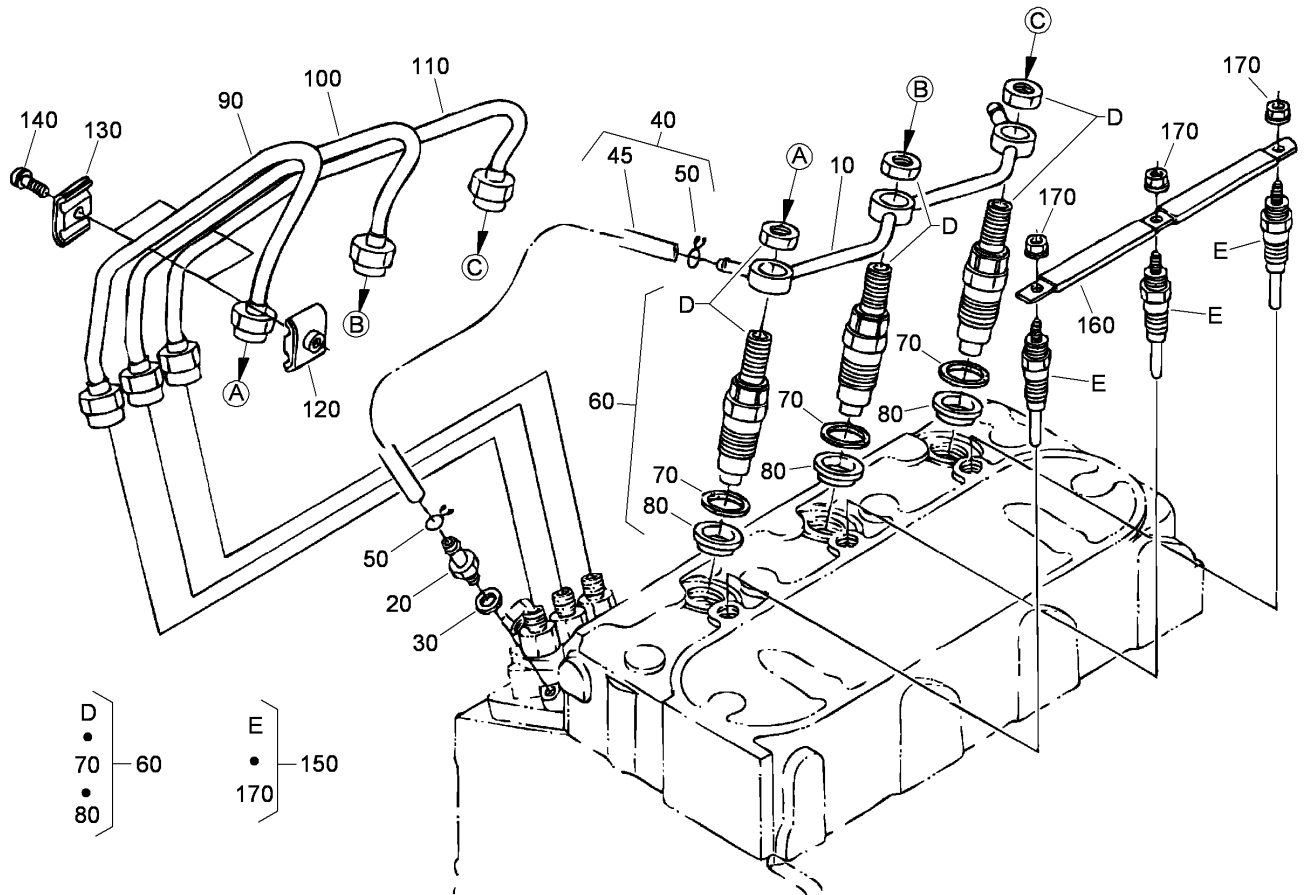
| Ref | Part No. | Qty. | Description | | | | |
|-----|----------|------|--------------------------|--|--|--|--|
| 10 | 98-9596 | 1 | Joint-Eye | | | | |
| 20 | 98-9643 | 1 | Injection Pump ASM | | | | |
| 30 | 98-9464 | 1 | Bolt-Joint | | | | |
| 40 | 98-9445 | 2 | Gasket | | | | |
| 50 | 98-9430 | 1 | Screw | | | | |
| 60 | 98-9446 | 1 | Gasket | | | | |
| 70 | 98-9466 | 1 | Plug | | | | |
| 80 | 98-9451 | 1 | Gasket | | | | |
| 90 | 98-9456 | 1 | Shim-Injection (0.20Mm) | | | | |
| 90 | 98-9457 | 1 | Shim-Injection (0.25Mm) | | | | |
| 90 | 115-3045 | 1 | Shim-Injection (0.175Mm) | | | | |
| 100 | 98-9458 | 1 | Shim-Injection (0.30Mm) | | | | |
| 100 | 115-3046 | 1 | Shim-Injection (0.35Mm) | | | | |
| 110 | 98-9361 | 2 | Bolt-HSH | | | | |
| 120 | 98-9438 | 2 | Stud | | | | |
| 130 | 98-9440 | 2 | Nut-Cap | | | | |
| 140 | 98-7699 | 4 | Washer-Spring | | | | |



Governor Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------------------|
| 10 | 105-3786 | 1 | Spring-Start |
| 20 | 98-9681 | 1 | Spring-Governor |
| 30 | 115-4502 | 1 | Fork Lever ASM |
| 40 | 107-9084 | 1 | Lever-Fork |
| 50 | 107-9085 | 1 | Shaft-Lever, Fork |
| 60 | 107-9086 | 1 | Shaft-Lever, Fork |
| 70 | 98-9570 | 1 | Bearing-Miniaturize |
| 80 | 98-9569 | 1 | Cover-Shaft, Fork Lever |
| 90 | 98-9682 | 1 | Gasket |
| 100 | 98-9351 | 2 | Bolt |
| 110 | 98-9567 | 1 | Collar |
| 120 | 98-9571 | 1 | Bearing-Miniaturize |

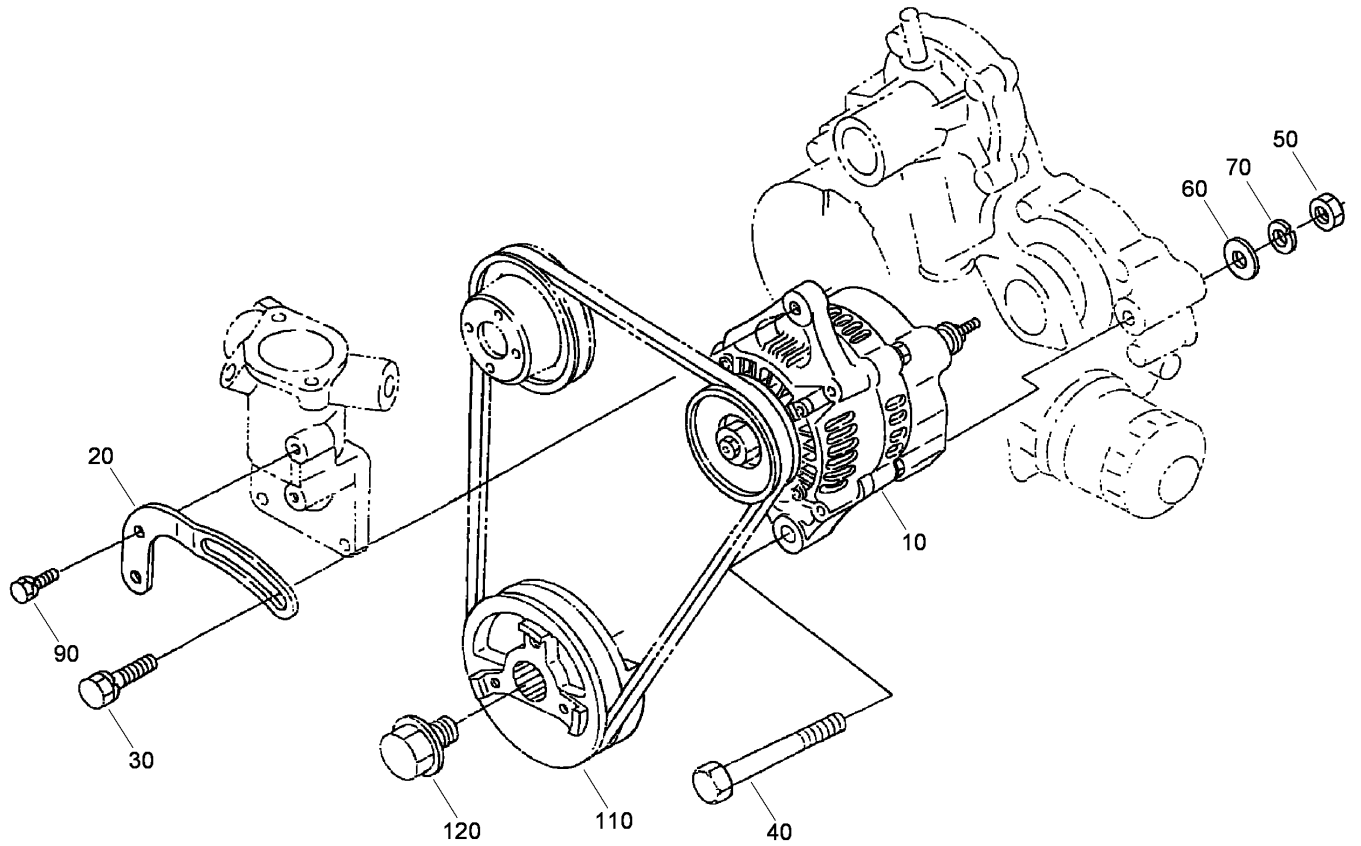
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Nozzle Holder and Glow Plug Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|--------------------|
| 10 | 98-9620 | 1 | Over Flow Pipe ASM |
| 20 | 98-9431 | 1 | Screw-Bleeder |
| 30 | 98-7654 | 1 | Gasket |
| 40 | 98-9420 | 1 | Over Flow Pipe ASM |
| 45 | 112-0182 | 1 | Pipe-Over Flow |
| 50 | 98-7671 | 2 | Clip-Pipe |
| 60 | 108-2866 | 3 | Nozzle Holder Kit |
| 70 | 98-7676 | 3 | Gasket |
| 80 | 98-7677 | 3 | Seal-Heat |
| 90 | 98-9653 | 1 | Pipe-Injection |
| 100 | 98-9654 | 1 | Pipe-Injection |
| 110 | 98-9655 | 1 | Pipe-Injection |
| 120 | 98-7682 | 2 | Clamp-Pipe |
| 130 | 98-7683 | 2 | Clamp-Pipe |
| 140 | 98-7684 | 2 | Screw (W/Washer) |
| 150 | 115-3019 | 3 | Plug-Glow |
| 160 | 98-9631 | 1 | Cord-Plug, Glow |
| 170 | 99-8377 | 3 | Nut-Flange |

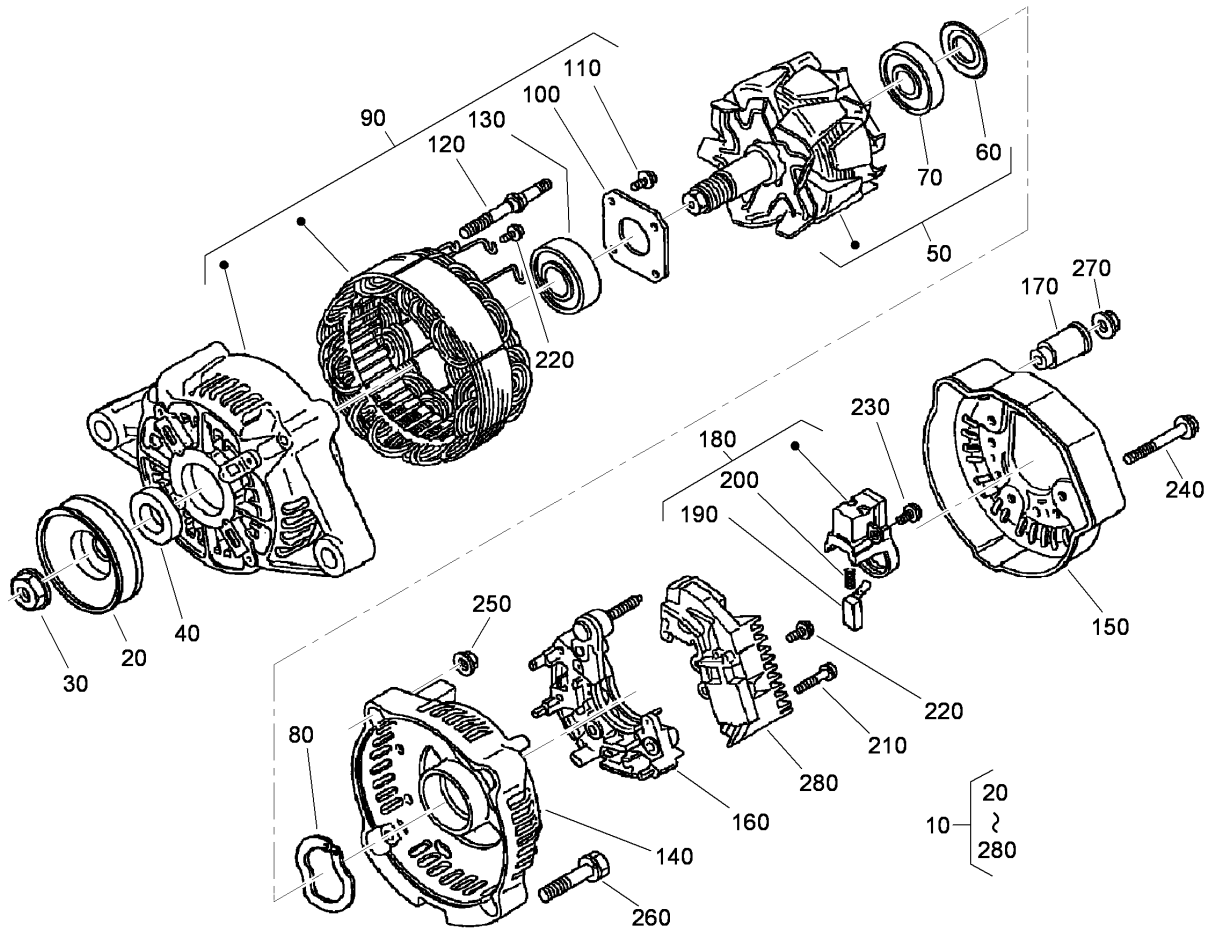
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Alternator and Pulley Assembly

| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------------|
| 10 | 98-9474 | 1 | Alternator ASM |
| 20 | 98-9573 | 1 | Stay-Dynamo |
| 30 | 108-7088 | 1 | Bolt |
| 40 | 98-9360 | 1 | Bolt |
| 50 | 98-7737 | 1 | Nut |
| 60 | 3256-24 | 1 | Washer-Flat |
| 70 | 98-7738 | 1 | Washer-Spring |
| 90 | 98-7692 | 1 | Bolt |
| 110 | 98-9473 | 1 | Pulley-Drive, Fan |
| 120 | 98-9585 | 1 | Bolt |

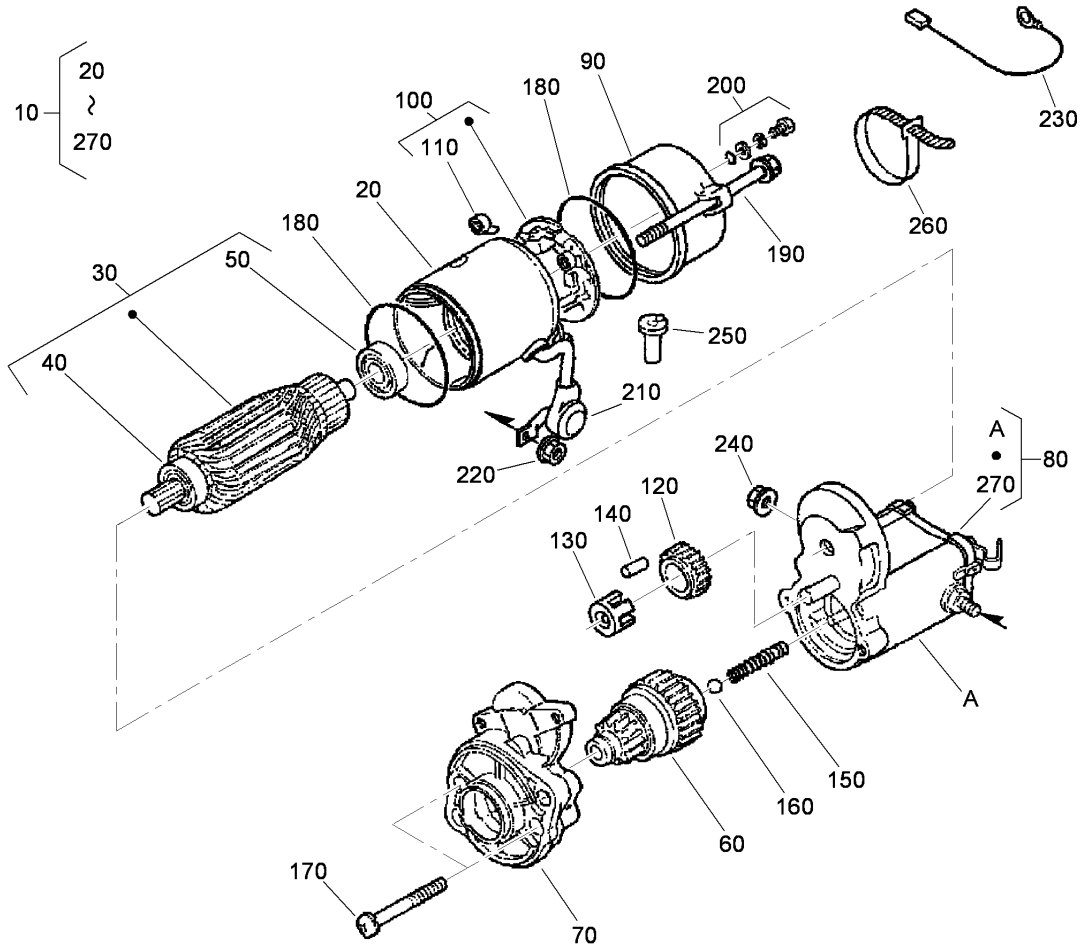
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Alternator Components

| Ref | Part No. | 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 |
| 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 |
| 150 | 107-0140 | 1 | Cover-End |
| 160 | 98-7721 | 1 | Rectifier ASM |
| 170 | 98-7722 | 1 | Bushing-Insulation |
| 180 | 107-0141 | 1 | Holder-Brush |
| 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 |

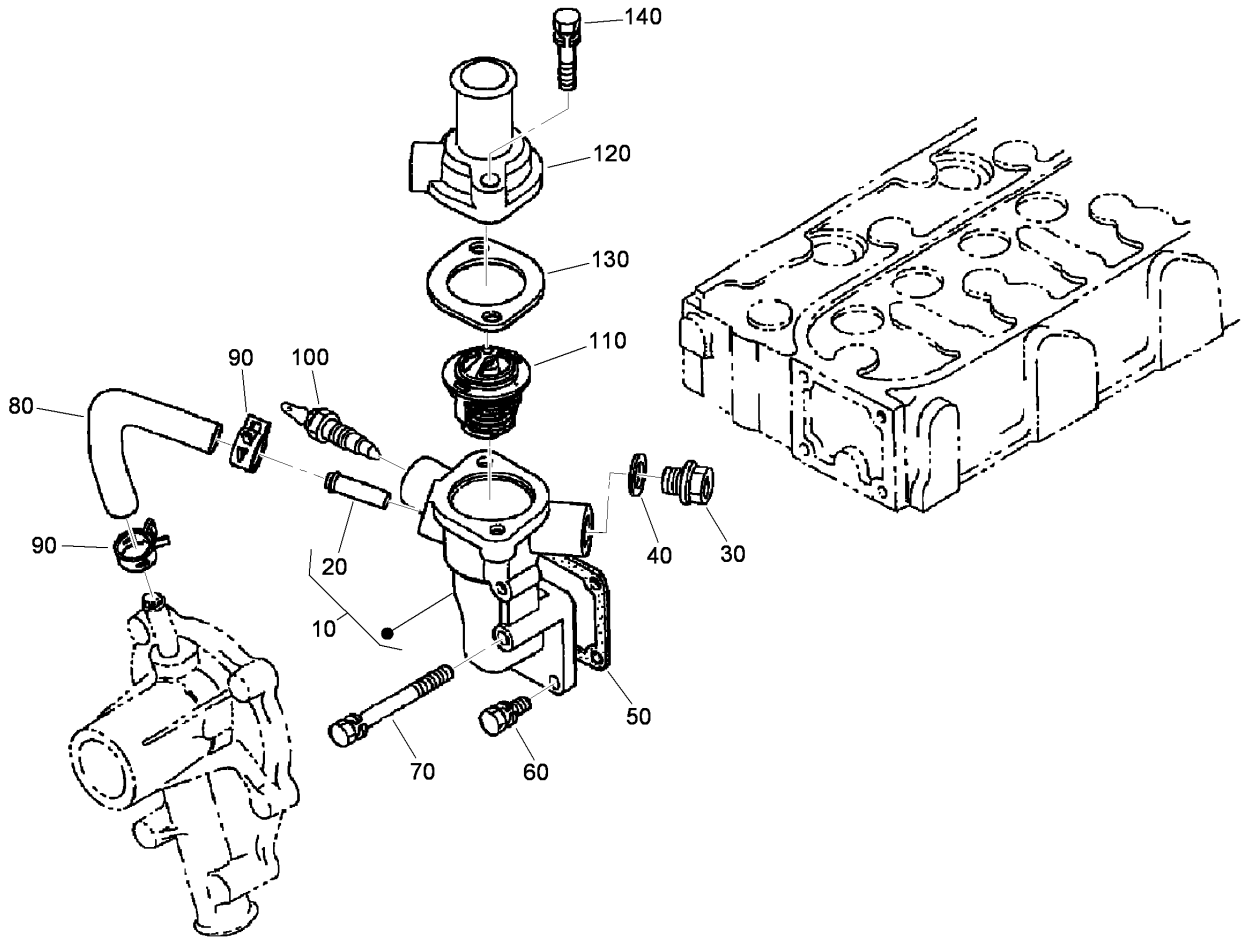
| Ref | Part No. | Qty. | Description |
|-----|----------|------|---------------|
| 250 | 98-7730 | 2 | Nut |
| 260 | 98-7731 | 2 | Bolt |
| 270 | 98-7732 | 1 | Nut |
| 280 | 110-3799 | 1 | Regulator ASM |



Starter Assembly No. 98-9705

| Ref | Part No. | 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 |
| 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 |

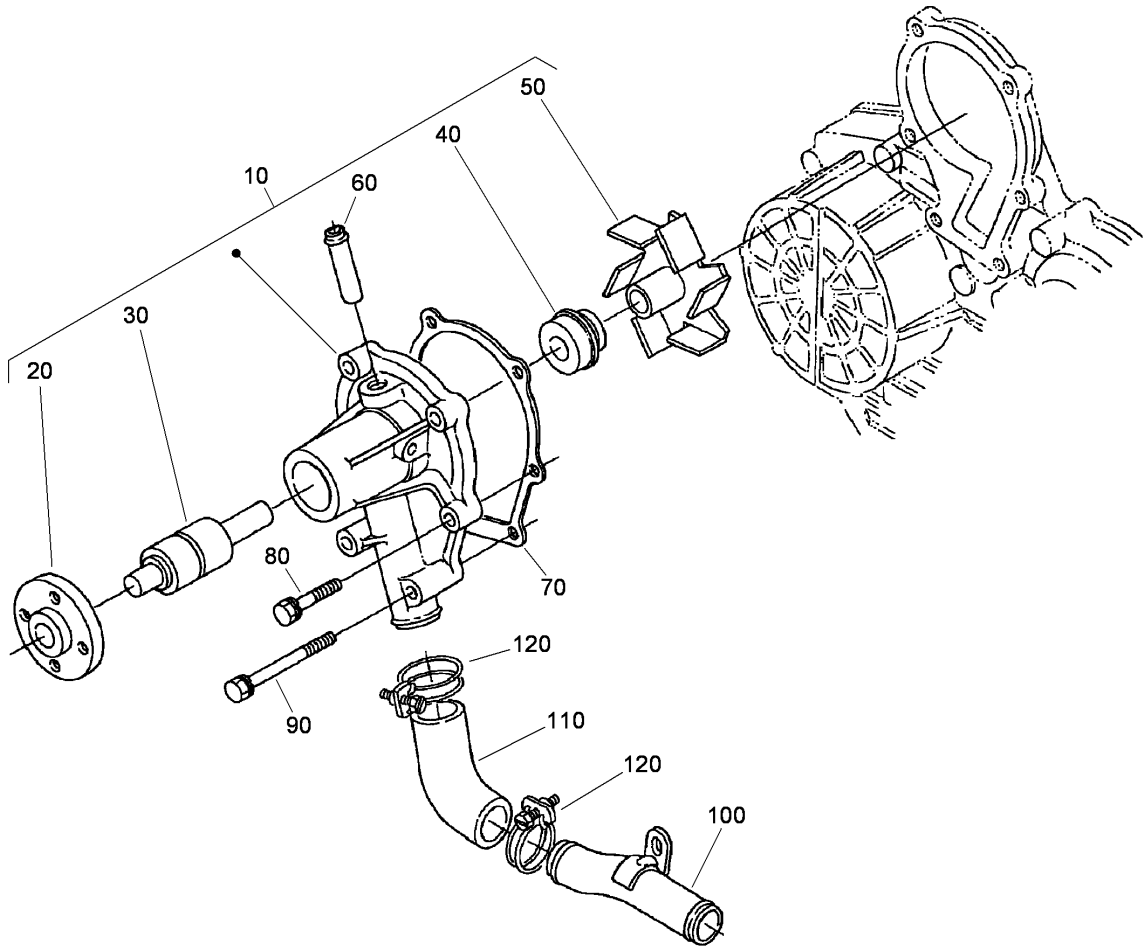
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------|
| 250 | 98-7759 | 1 | Pipe-Drain |
| 260 | 98-9712 | 1 | Band-Cover |
| 270 | 105-2886 | 1 | Cover ASM |



Water Flange and Thermostat Assembly

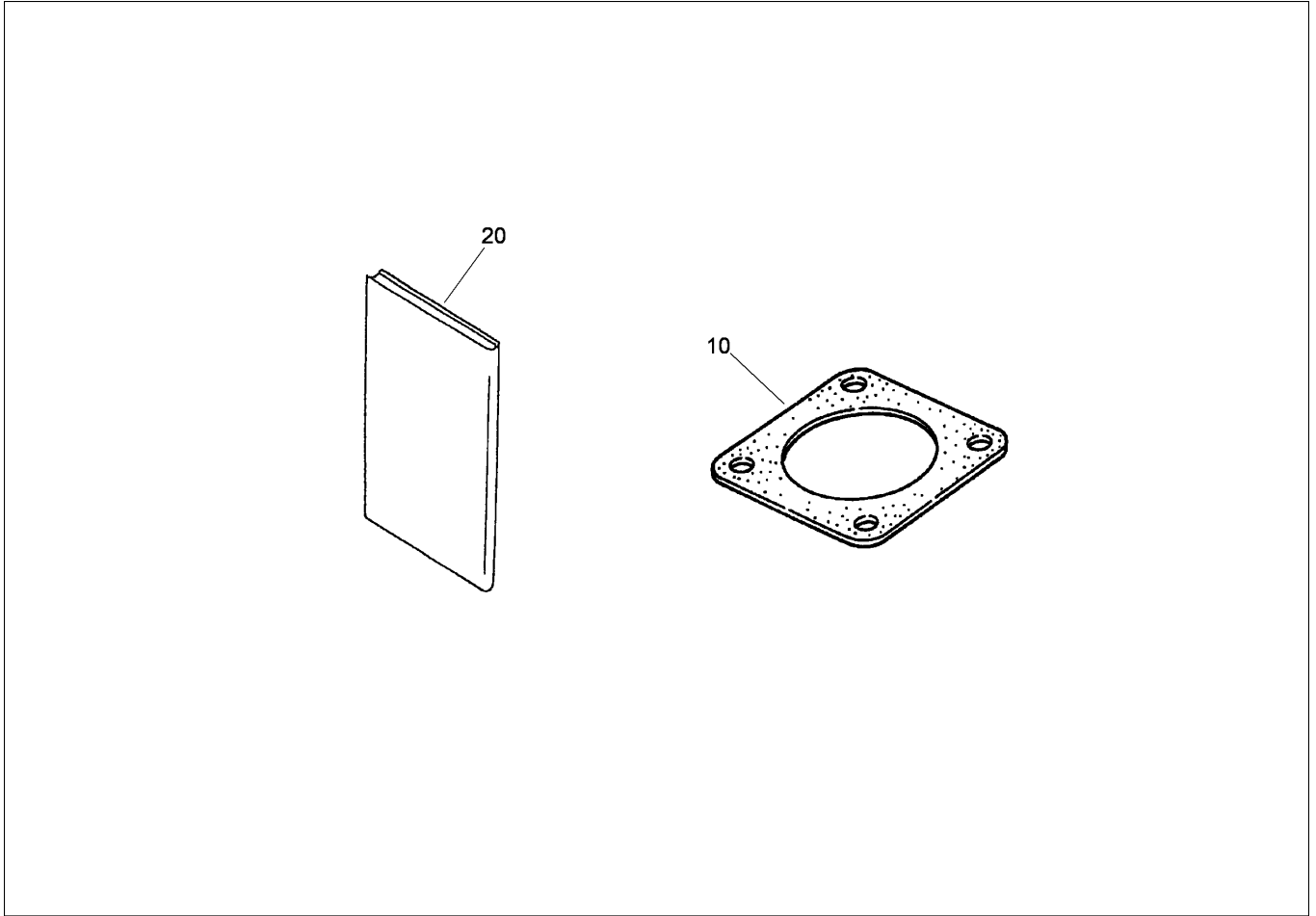
| Ref | Part No. | Qty. | Description |
|-----|----------|------|----------------------|
| 10 | 98-9713 | 1 | Water Flange ASM |
| 20 | 98-9580 | 1 | Pipe-Return, Water |
| 30 | 105-3747 | 1 | Plug |
| 40 | 99-3583 | 1 | Packing |
| 50 | 98-9638 | 1 | Gasket-Flange, Water |
| 60 | 98-7692 | 3 | Bolt |
| 70 | 98-9356 | 1 | Bolt |
| 80 | 98-9578 | 1 | Pipe-Return, Water |
| 90 | 98-9579 | 2 | Band-Pipe |
| 100 | 98-9719 | 1 | Thermoswitch |
| 110 | 98-7778 | 1 | Thermostat ASM |
| 120 | 98-9471 | 1 | Cover-Thermostat |
| 130 | 105-3748 | 1 | Gasket-Thermostat |
| 140 | 98-7777 | 2 | Bolt |

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Water Pump Assembly

| Ref | Part No. | Qty. | Description | |
|-----|----------|------|---------------------|--|
| 10 | 107-9089 | 1 | Water Pump ASM | |
| 20 | 99-3516 | 4 | Flange-Pump, Water | |
| 30 | 99-3517 | 1 | Bearing-Pump, Water | |
| 40 | 105-3750 | 1 | Mechanical Seal ASM | |
| 50 | 112-8403 | 1 | Impeller ASM | |
| 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 | 98-9716 | 1 | Pipe-Water | |
| 110 | 107-9091 | 1 | Pipe-Water | |
| 120 | 98-9717 | 2 | Clamp | |



Muffler Gasket and Operator Manual

| Ref | Part No. | Qty. | Description |
|-----|----------|------|----------------|
| 10 | 99-8343 | 1 | Gasket-Muffler |
| 20 | 99-8954 | 1 | Manual-Kubota |

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Attachments and Accessories

For 30631 - Groundsmaster 328-D 4-Wheel Drive Traction Unit

| Product Name | Model/Part |
|-----------------------------------------------------------|------------|
| GM328 4WD INT'L FINAL ASM | 105-2921 |
| Jack Pad Kit | 106-4386 |
| Premium Engine Oil, 10w30 (Drum) | 108-1179 |
| Premium Engine Oil, 10w30 (Pail) | 108-1180 |
| Premium Engine Oil, 15w40 (Drum) | 108-1181 |
| Premium Engine Oil, 15w40 (Pail) | 108-1182 |
| Premium Transmission/Hydraulic Tractor Fluid (Drum) | 108-1183 |
| Premium Transmission/Hydraulic Tractor Fluid (Pail) | 108-1184 |
| Premium All Season Gear Lube (Pail) | 108-1187 |
| Premium All Purpose Grease | 108-1190 |
| Premium All Season Gear Lube (Quart) | 108-1590 |
| Tire Chains (23 x 8.50-12) | 11-0390 |
| Wheel Weight Kit | 11-0440 |
| 5 Inch Air Cleaner Safety Element | 114-4057 |
| Tube-Inner (23 x 8.50-12) | 231-90 |
| Rear Weight Kit | 24-5780 |
| Weight-Rear | 24-5790-01 |
| Standard Seat Kit | 30623 |
| Deluxe Seat Kit | 30625 |
| Seat Adapter Kit | 30628 |
| Cruise Control Kit | 30677 |
| Arm Rest Kit | 30707 |
| 72 Inch Rear Discharge Mower | 30710 |
| 72 Inch Guardian Recycler Mower | 30716 |
| 72 Inch Side Discharge Mower | 30722 |
| Rotary Broom | 30743 |
| 48 Inch V-Plow | 30750 |
| 48 Inch V-Plow Mounting Kit | 30757 |
| Debris Blower | 30855 |
| Wide Wheel and 4-Ply Tire ASM | 62-7020 |
| Wheel and 6-Ply Tire ASM | 69-9870 |
| Spark Arrestor Screen | 75-6880 |
| Rear Tire Chains, 4 Wheel Drive | 76-1840 |
| Auxiliary Valve Kit | 93-3169 |

