



**Count on it.**

Form No. 3367-704 Rev B

# Parts Catalog

## **Groundsmaster® 3280-D**

### **Traction Unit**

**Model No. 30344—Serial No. 311000001 and Up**

# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

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

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** 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

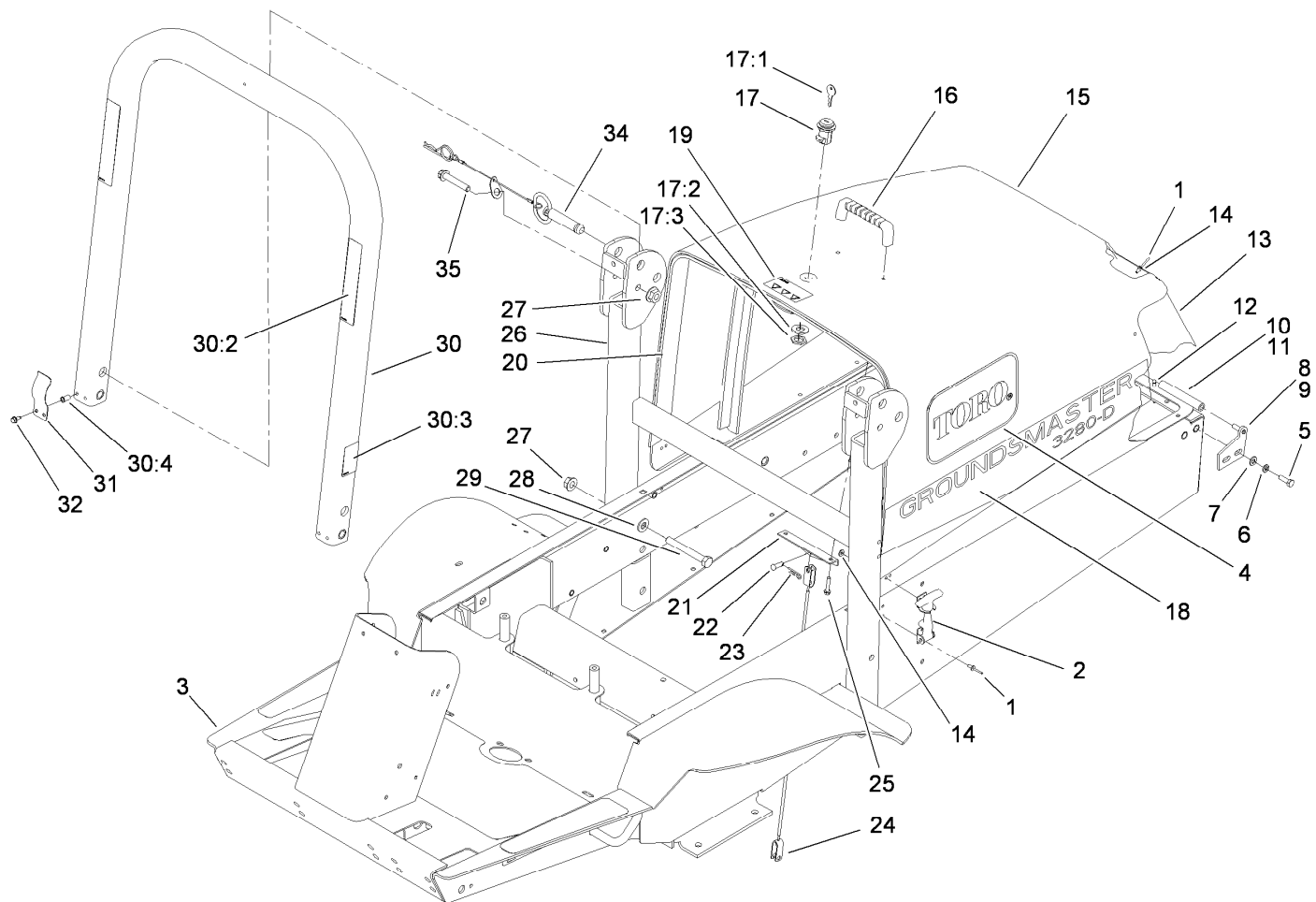
**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

# Contents

|                                                                          |    |
|--------------------------------------------------------------------------|----|
| Frame and Hood Assembly . . . . .                                        | 4  |
| Frame Assembly No. 119-4821 . . . . .                                    | 5  |
| Fuel Tank and Control Panel Assembly . . . . .                           | 6  |
| Power Steering Assembly . . . . .                                        | 8  |
| Steer Valve Assembly No. 108-2077 . . . . .                              | 9  |
| Traction Pedal Assembly . . . . .                                        | 10 |
| Brake Pedal Assembly . . . . .                                           | 11 |
| Battery and Engine Mount Assembly . . . . .                              | 12 |
| Power-Take-Off and Shaft Assembly . . . . .                              | 13 |
| Lift Cylinder and Manifold Assembly . . . . .                            | 14 |
| Hydraulic Valve Assembly No. 119-4830 . . . . .                          | 15 |
| Radiator Assembly . . . . .                                              | 16 |
| Transmission Installation Assembly . . . . .                             | 18 |
| Center Section Assembly Transmission Assembly No. 117-0849 . . . . .     | 20 |
| Neutral Return Arm Assembly Transmission Assembly No. 117-0849 . . . . . | 22 |
| Fuel Delivery System Assembly . . . . .                                  | 23 |
| Lower Control Panel Assembly . . . . .                                   | 24 |
| Rear Axle and Tire Assembly . . . . .                                    | 25 |
| Rear Axle Assembly . . . . .                                             | 27 |
| Steering Cylinder Assembly No. 115-4525 . . . . .                        | 28 |
| Air Cleaner and Drive Coupling Assembly . . . . .                        | 29 |
| Air Cleaner Assembly No. 104-3427 . . . . .                              | 30 |
| Front Axle Assembly . . . . .                                            | 31 |
| Engine, Fan and Muffler Assembly . . . . .                               | 32 |
| Engine and Clutch Assembly . . . . .                                     | 33 |
| Front Axle Assembly No. 108-6599-03 . . . . .                            | 34 |
| Right and Left Hand Brake Assembly . . . . .                             | 36 |
| Crankcase Assembly . . . . .                                             | 37 |
| Oil Pan Assembly . . . . .                                               | 38 |
| Cylinder Head Assembly . . . . .                                         | 39 |
| Gear Case Assembly . . . . .                                             | 40 |
| Cylinder Head Cover Assembly . . . . .                                   | 41 |
| Dipstick and Guide Assembly . . . . .                                    | 42 |
| Main Bearing Case Assembly . . . . .                                     | 43 |
| Cam Shaft and Idle Gear Assembly . . . . .                               | 44 |
| Piston and Crankshaft Assembly . . . . .                                 | 45 |
| Flywheel Assembly . . . . .                                              | 46 |
| Fuel Camshaft and Governor Shaft Assembly . . . . .                      | 47 |
| Idle Apparatus and Stop Solenoid Assembly . . . . .                      | 48 |
| Injection Pump Assembly . . . . .                                        | 49 |
| Governor Assembly . . . . .                                              | 50 |
| Speed Control Plate Assembly . . . . .                                   | 51 |
| Nozzle Holder and Glow Plug Assembly . . . . .                           | 52 |
| Nozzle Holder Assembly . . . . .                                         | 53 |
| Alternator and Pulley Assembly . . . . .                                 | 54 |
| Alternator Components Assembly . . . . .                                 | 55 |
| Starter Assembly . . . . .                                               | 56 |
| Starter (Component Part) Assembly . . . . .                              | 57 |
| Water Flange and Thermostat Assembly . . . . .                           | 58 |
| Water Pump Assembly . . . . .                                            | 59 |
| Valve and Rocker Arm Assembly . . . . .                                  | 60 |
| Inlet and Exhaust Manifold Assembly . . . . .                            | 61 |
| Muffler Gasket and Operator Manual . . . . .                             | 62 |
| Upper and Lower Gasket Kits . . . . .                                    | 63 |
| Attachments and Accessories . . . . .                                    | 64 |

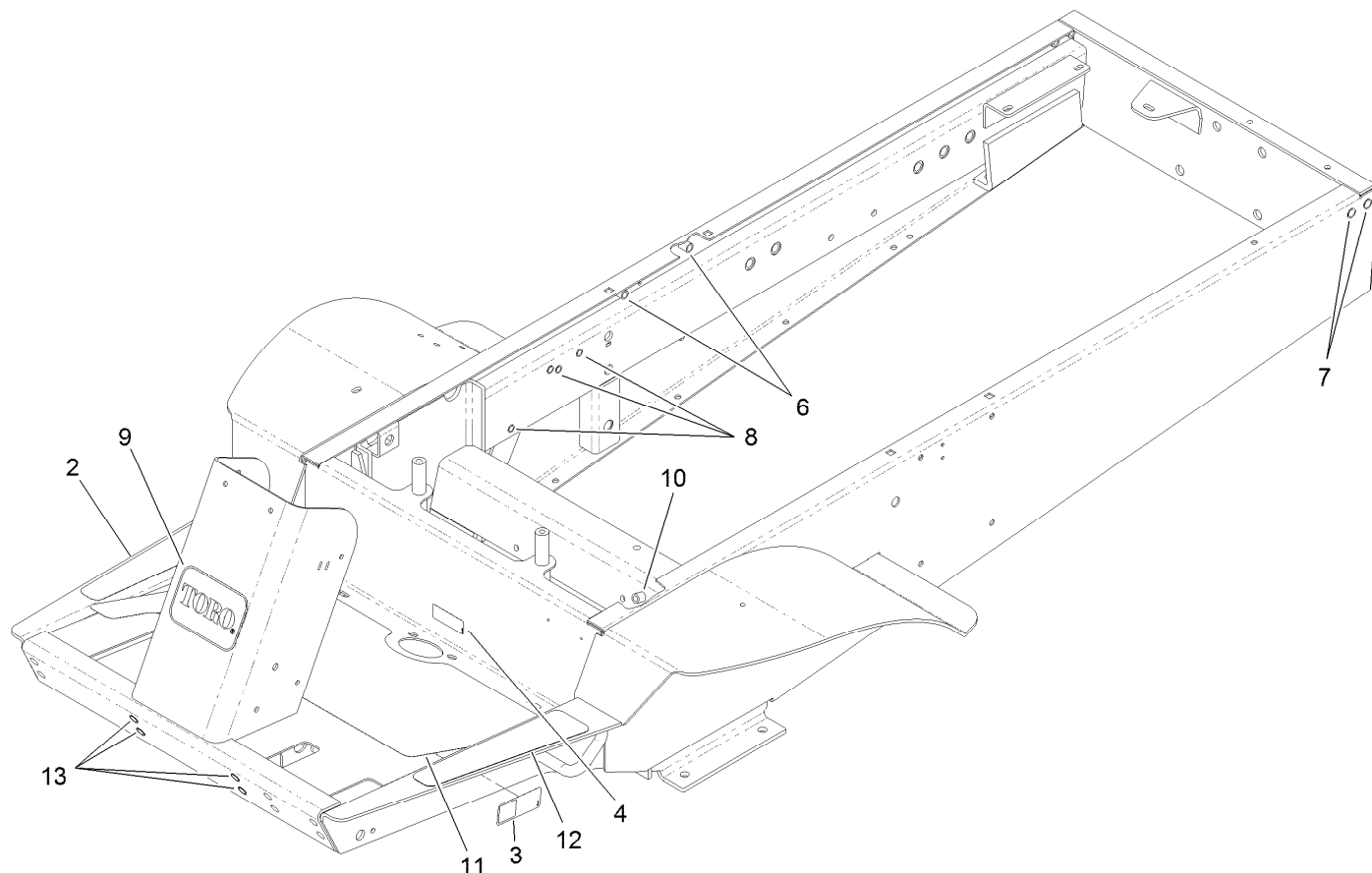


## Frame and Hood Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 3269-4      | 18   | Rivet-Pop          |
| 2    | 95-6339     | 2    | Latch              |
| 3    | 119-4821    | 1    | Frame ASM          |
| 4    | 66-6140     | 2    | Decal              |
| 5    | 322-5       | 4    | Screw-HH           |
| 6    | 3253-4      | 4    | Washer-Lock        |
| 7    | 3256-23     | 4    | Washer-Flat        |
| 8    | 105-0003-01 | 1    | RH Hinge Pin ASM   |
| 9    | 105-0004-01 | 1    | LH Hinge Pin ASM   |
| 10   | 105-4278-03 | 1    | LH Hood Hinge ASM  |
| 11   | 105-4277-03 | 1    | RH Hood Hinge ASM  |
| 12   | 3290-412    | 12   | Rivet              |
| 13   | 105-0006-03 | 1    | Screen-Hood        |
| 14   | 3256-14     | 14   | Washer-Flat        |
| 15   | 119-2195    | 1    | Hood ASM           |
| 16   | 65-5100     | 1    | Handle-Door        |
| 17   | 98-9315     | 1    | Latch-Locking      |
| 17:1 | 99-8350     | 2    | Key-Latch, Locking |
| 17:2 |             | 1    | Washer-Switch ●    |
| 17:3 |             | 1    | Nut-Switch ●       |

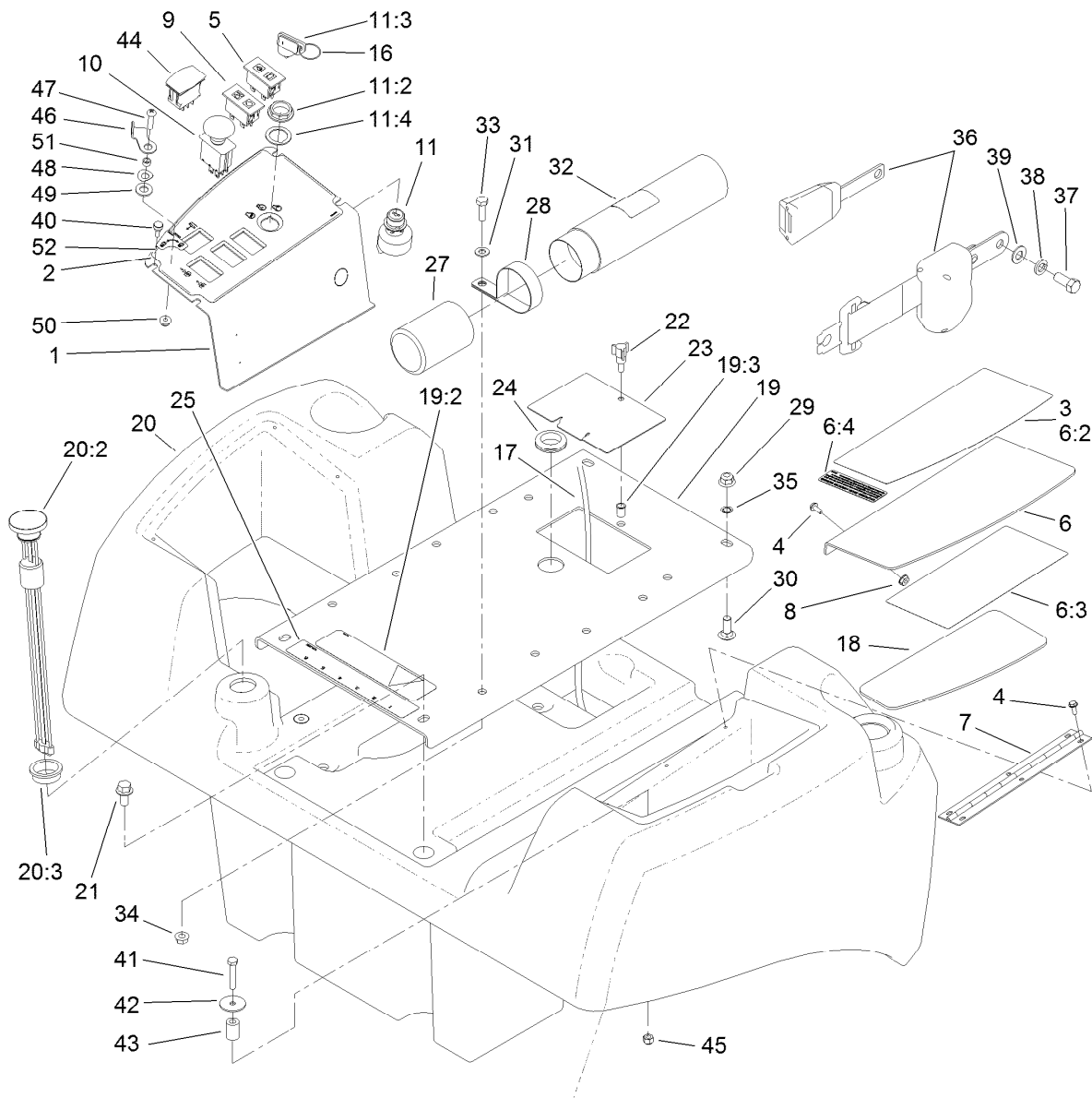
● Not serviced separately

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 18   | 108-2067    | 2    | Decal               |
| 19   | 106-6754    | 1    | Decal-Danger        |
| 20   | 105-3651    | 1    | Strip-Foam          |
| 21   | 105-0088-03 | 1    | Bracket-Cable, Hood |
| 22   | 283-58      | 2    | Pin-Clevis          |
| 23   | 3290-307    | 2    | Pin-Hair            |
| 24   | 105-3650    | 1    | Cable-Hood          |
| 25   | 46-8092     | 2    | Screw-Plastite      |
| 26   | 110-5693-03 | 1    | Lower ROPS ASM      |
| 27   | 32128-23    | 6    | Nut-HF              |
| 28   | 3256-26     | 4    | Washer-Flat         |
| 29   | 325-18      | 4    | Screw-HH            |
| 30   | 110-5690    | 1    | Upper ROPS ASM      |
| 30:2 | 108-2073    | 2    | Decal-Warning       |
| 30:3 | 108-2074    | 1    | Decal-ROPS          |
| 30:4 | 32148-11    | 4    | Insert-Threaded     |
| 31   | 110-5696    | 2    | Spring-Leaf         |
| 32   | 32144-10    | 4    | Screw-HWH           |
| 34   | 103-4553    | 2    | ROPS Fold Pin ASM   |
| 35   | 325-13      | 2    | Screw-HH            |



## Frame Assembly No. 119-4821

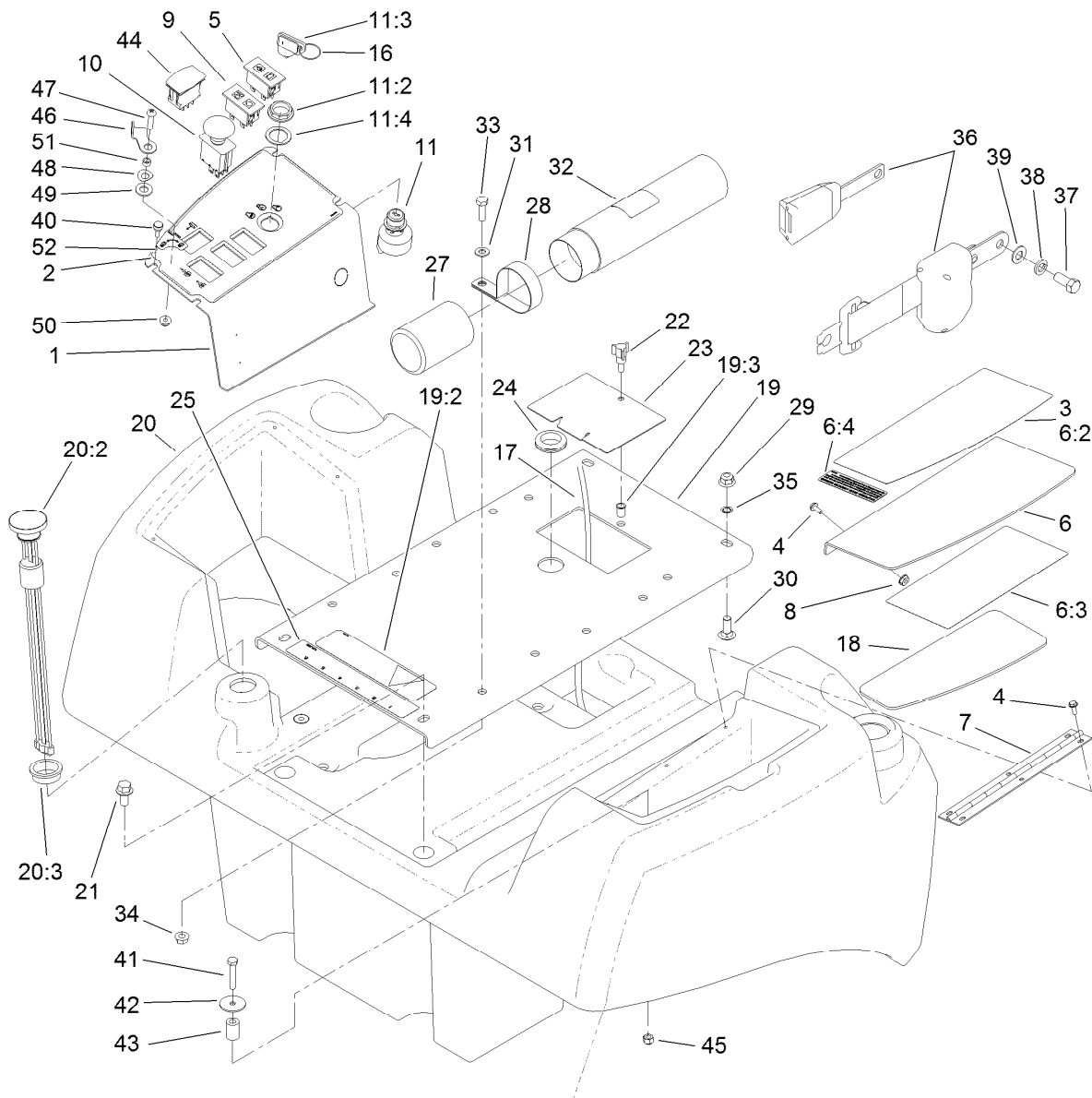
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 2    | 93-7834     | 1    | Decal-Footrest, RH  |
| 3    | 106-9206    | 2    | Decal-Torque, Wheel |
| 4    | 93-6686     | 1    | Decal-Oil, HYD      |
| 6    | 32148-9     | 2    | Insert-Nut          |
| 7    | 32148-7     | 4    | Nut-Insert          |
| 8    | 32148-11    | 2    | Insert-Threaded     |
| 9    | 67-1300     | 1    | Decal               |
| 10   | 32148-8     | 4    | Insert-Threaded     |
| 11   | 105-7160    | 1    | Pad-Floor           |
| 12   | 66-3200     | 1    | Tread-Footrest, LH  |
| 13   | 32148-10    | 4    | Insert-Nut          |



## Fuel Tank and Control Panel Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 119-4839-03 | 1    | Plate-Control Panel   |
| 2    | 119-4840    | 1    | Decal-Panel, Control  |
| 3    | 108-6585    | 1    | Decal-Danger          |
| 4    | 112-6349    | 6    | Screw-HWH             |
| 5    | 100-8070    | 1    | Lamp-Warning          |
| 6    | 108-6581    | 1    | Cover ASM             |
| 6:2  | 114-2855    | 1    | Decal-Danger          |
| 6:3  | 115-3027    | 1    | Decal-Service         |
| 6:4  | 117-2718    | 1    | Decal-Arrester, Spark |
| 7    | 108-2024    | 1    | Hinge                 |
| 8    | 32149-8     | 3    | Nut-Keps              |
| 9    | 100-8071    | 1    | Lamp-Warning          |
| 10   | 93-9999     | 1    | Switch-PTO            |
| 11   | 106-5269    | 1    | Ignition Switch ASM   |
| 11:2 | 108-8660    | 1    | Nut-Mounting          |
| 11:3 | 106-5270    | 1    | Key Set-Ignition      |
| 11:4 | 108-8659    | 1    | Washer-Backup         |
| 16   | 98-9321     | 1    | Ring-Key              |
| 17   | 108-8657    | 1    | Harness-Wire, Seat    |
| 18   | 108-2013    | 1    | Pad-Rubber            |
| 19   | 108-6580    | 1    | Seat Plate ASM        |

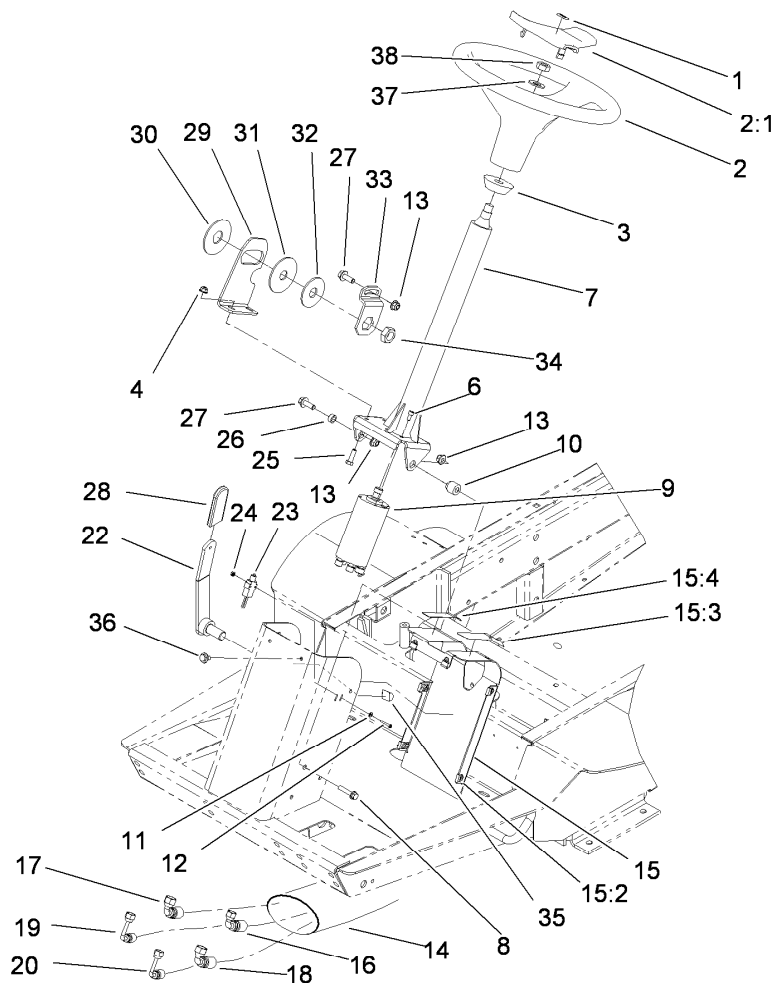
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 19:2 | 93-7841     | 1    | Decal-Warning                |
| 19:3 | 32148-6     | 1    | Insert-Nut                   |
| 20   | 108-6596    | 1    | Fuel Tank ASM                |
| 20:2 | 108-2025    | 1    | Gauge-Fuel                   |
| 20:3 | 95-8972     | 1    | Grommet                      |
| 21   | 3234-1      | 2    | Screw-HHF                    |
| 22   | 233-70      | 1    | Knob-Star, Three             |
| 23   | 108-2027-03 | 1    | Cover-Bypass                 |
| 24   | 240-5       | 1    | Grommet                      |
| 25   | 105-2511    | 1    | Decal-Instructions, Starting |
| 27   | 104-7048    | 1    | Cap-Housing                  |
| 28   | 2412-133    | 2    | R-Clamp                      |
| 29   | 104-8301    | 2    | Nut-Flange, NI               |
| 30   | 3231-2      | 2    | Screw-CARR                   |
| 31   | 3256-23     | 2    | Washer-Flat                  |
| 32   | 104-7050    | 1    | Tube-Manual                  |
| 33   | 322-5       | 2    | Screw-HH                     |
| 34   | 32128-20    | 2    | Nut-HF                       |
| 35   | 32151-72    | 2    | Ring-Retaining               |
| 36   | 110-0413    | 1    | Seatbelt-Retractable         |
| 37   | 3212-4      | 2    | Screw-HH                     |



## Fuel Tank and Control Panel Assembly (continued)

| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 38   | 3253-6      | 2    | Washer-Lock  |
| 39   | 3256-25     | 2    | Washer-Flat  |
| 40   | 120-6555    | 4    | Screw-Thumb  |
| 41   | 321-9       | 1    | Screw-HH     |
| 42   | 3256-55     | 1    | Washer-Flat  |
| 43   | 108-9688    | 1    | Spacer       |
| 44   | 105-4320    | 1    | Switch       |
| 45   | 3296-42     | 1    | Nut-Lock, NI |

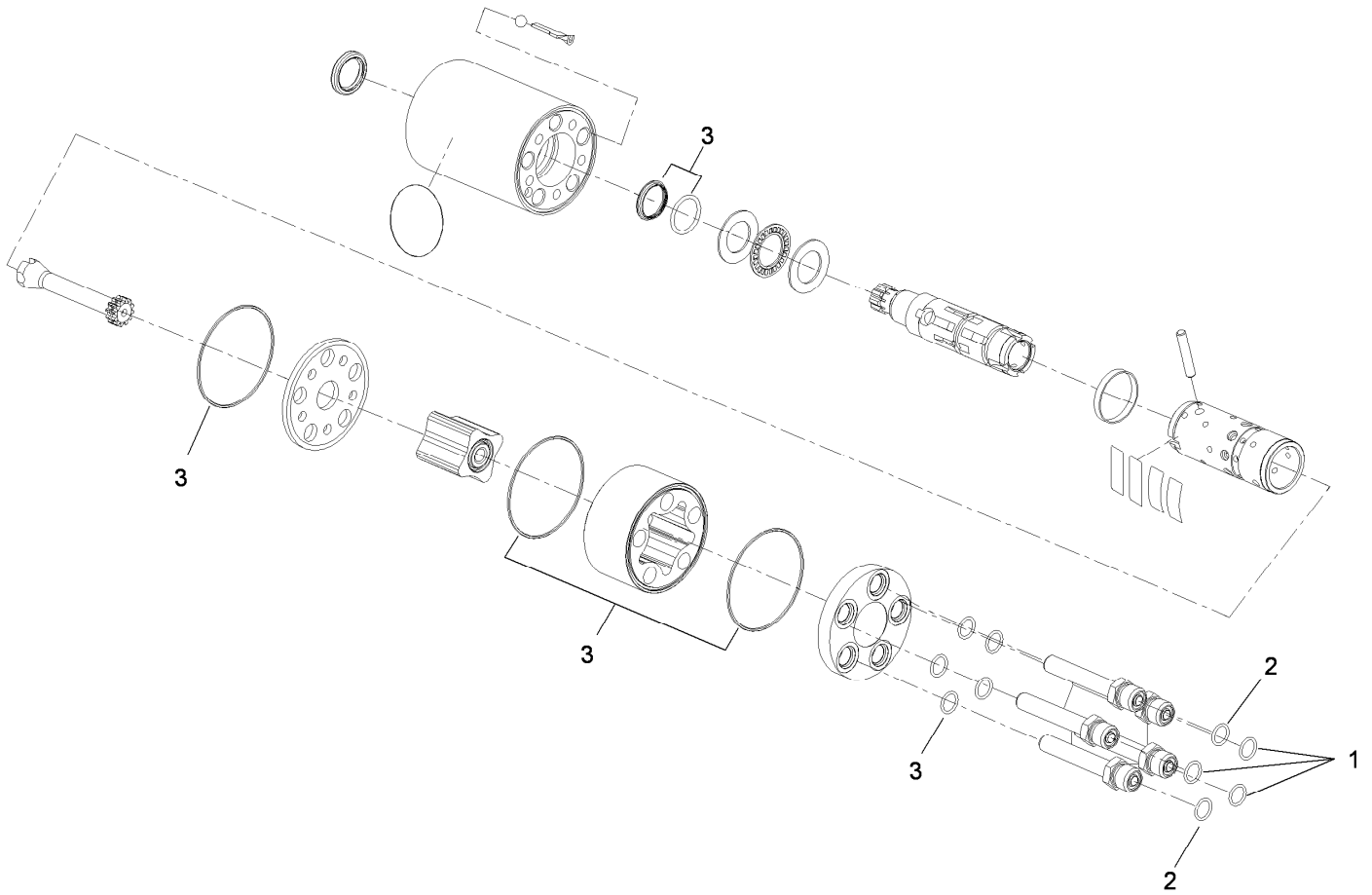
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 46   | 120-6553    | 1    | Stop-Ce       |
| 47   | 106-9518    | 1    | Screw-PRH     |
| 48   | 3290-301    | 1    | Washer-Spring |
| 49   | 3256-80     | 1    | Washer-Flat   |
| 50   | 104-7201    | 1    | Nut-HF        |
| 51   | 120-6564    | 1    | Spacer        |
| 52   | 120-6563    | 1    | Decal-Ce Stop |



## Power Steering Assembly

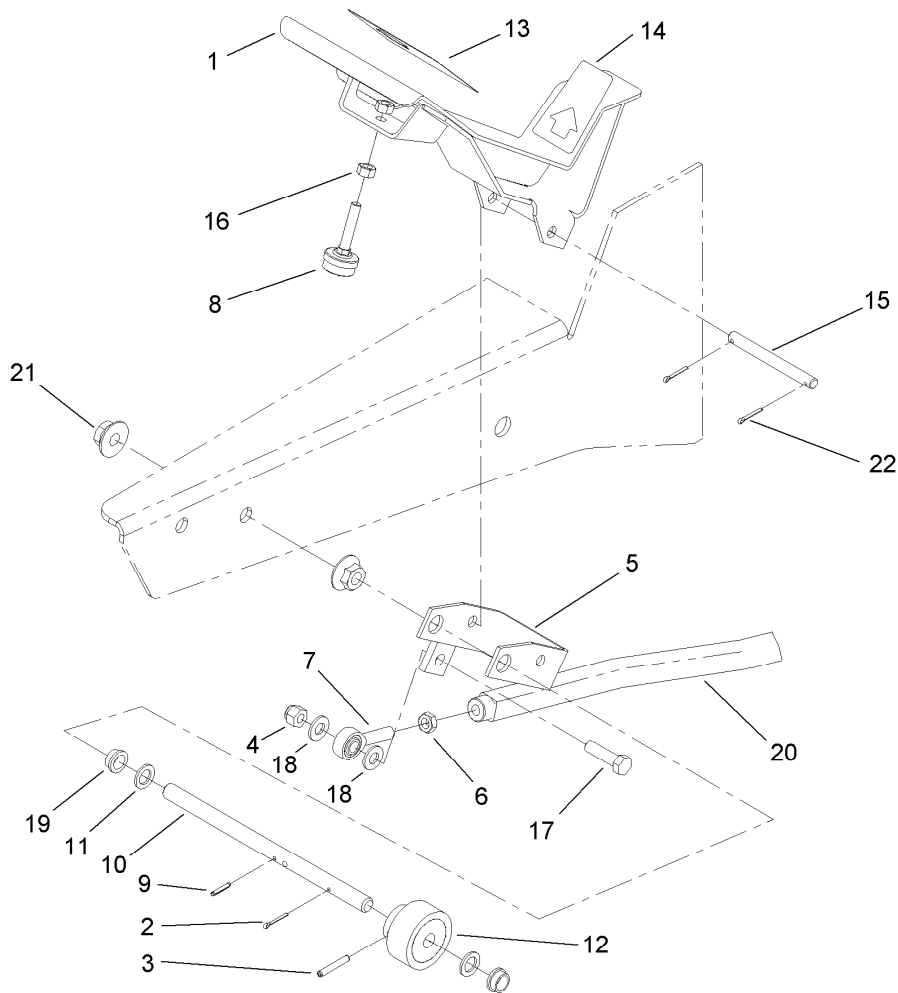
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 98-1459     | 1    | Decal                 |
| 2    | 98-1471     | 1    | Wheel-Steering        |
| 2:1  | 98-1468     | 1    | Cover-Wheel, Steering |
| 3    | 21-9260     | 1    | Cover-Dust            |
| 4    | 104-8300    | 2    | Nut-Flange, NI        |
| 6    | 105-2409    | 4    | Screw-HSH             |
| 7    | 114-2884    | 1    | Column ASM            |
| 8    | 3234-18     | 1    | Screw-HHF             |
| 9    | 108-2077    | 1    | Steering Valve ASM    |
| 10   | 105-7166    | 1    | Spacer                |
| 11   | 3256-53     | 2    | Washer-Flat, #6       |
| 12   | 3250-35     | 2    | Screw-PPH             |
| 13   | 104-8301    | 3    | Nut-Flange, NI        |
| 14   | 44-8530     | 1    | Protector-Sleeve      |
| 15   | 105-7180    | 1    | Tower Panel ASM       |
| 15:2 | 105-7170    | 6    | Nut-Retainer          |
| 15:3 | 105-7179    | 1    | Decal-Brake, Parking  |
| 15:4 | 82-8940     | 1    | Decal-Steering, Tilt  |
| 16   | 108-2089    | 1    | Hose ASM              |
| 17   | 119-5325    | 1    | Hose ASM              |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 18   | 108-2080    | 1    | Hose ASM             |
| 19   | 108-2086    | 1    | Hose ASM             |
| 20   | 108-2087    | 1    | Hose ASM             |
| 22   | 108-6092    | 1    | Lever-Steering, Tilt |
| 23   | 99-3410     | 1    | Switch               |
| 24   | 32149-6     | 2    | Nut-Keps             |
| 25   | 322-5       | 2    | Screw-HH             |
| 26   | 80-2960     | 1    | Spacer-Tower         |
| 27   | 3234-42     | 2    | Screw-HHF            |
| 28   | 21-1880     | 1    | Grip-Handle          |
| 29   | 105-7181-03 | 1    | Plate-Pivot          |
| 30   | 31-0390     | 1    | Disc-Friction        |
| 31   | 82-9010     | 1    | Disc-Friction        |
| 32   | 80-2930     | 1    | Washer-Flat          |
| 33   | 80-2880     | 1    | Bracket-Tilt         |
| 34   | 3218-7      | 1    | Nut-Jam              |
| 35   | 105-7188    | 2    | Clamp-Adhesive       |
| 36   | 3250-32     | 6    | Screw-PPH            |
| 37   | 3256-27     | 1    | Washer-Flat          |
| 38   | 3296-33     | 1    | Nut-Lock, NI         |



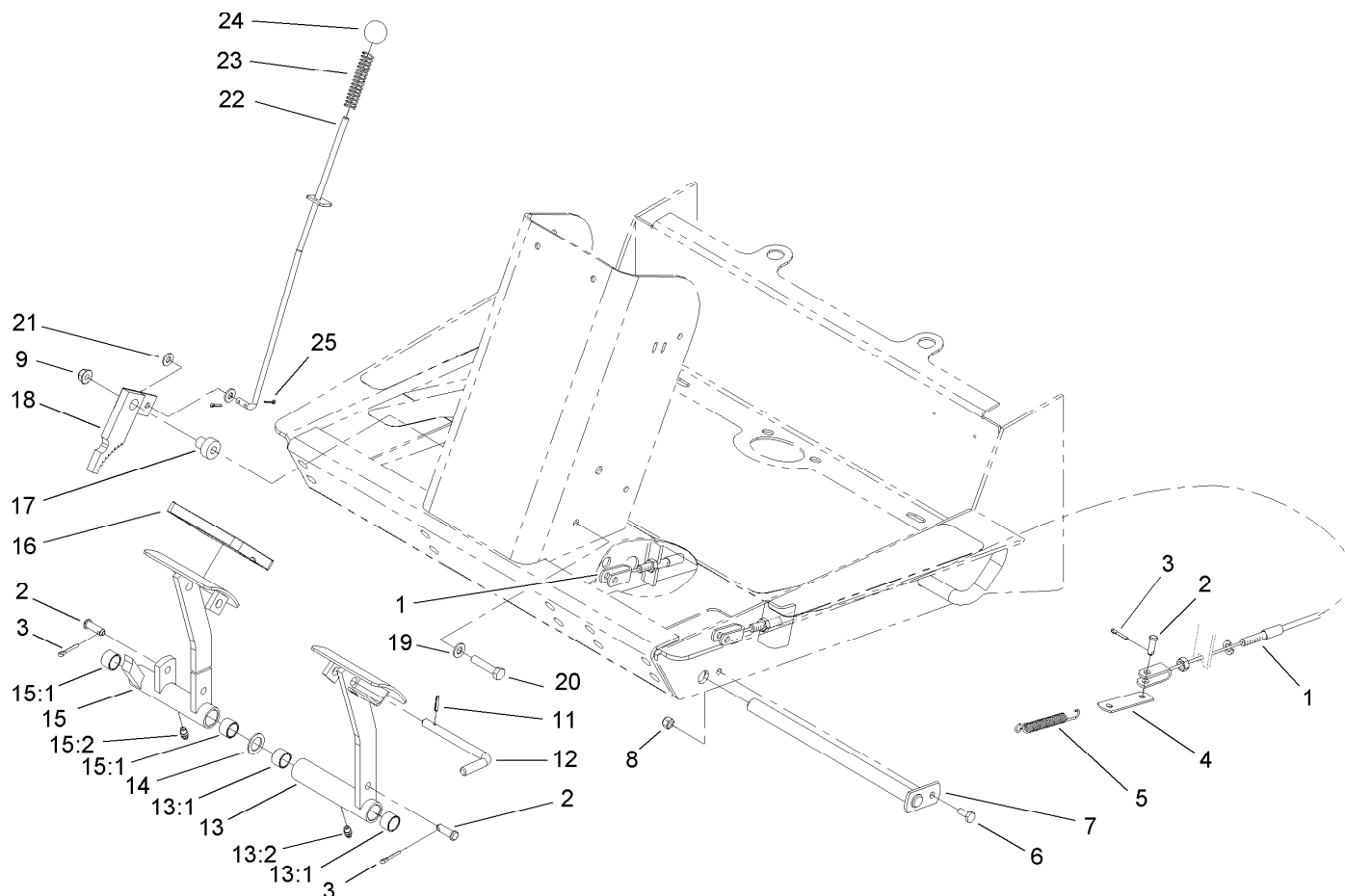
## Steer Valve Assembly No. 108-2077

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 237-21             | 3           | O-Ring             |
| 2           | 237-22             | 2           | O-Ring             |
| 3           | 106-6716           | 1           | Seal Kit           |



## Traction Pedal Assembly

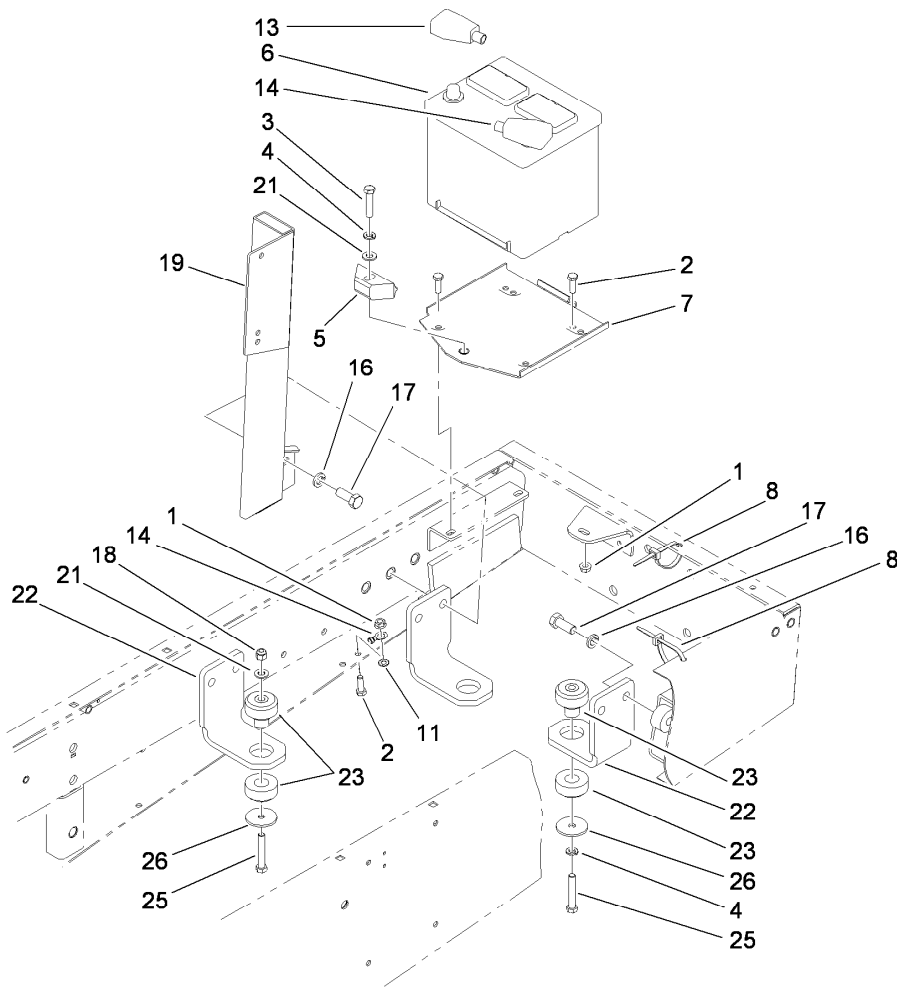
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 105-7150-03 | 1    | Pedal ASM               |
| 2    | 3272-6      | 1    | Pin-Cotter              |
| 3    | 32121-6     | 1    | Pin-Roll, Slotted       |
| 4    | 3296-39     | 1    | Nut-Lock, NI            |
| 5    | 92-8854-03  | 1    | Pivot Bracket ASM       |
| 6    | 3220-3      | 1    | Nut-HJ                  |
| 7    | 2411-36     | 1    | Bearing-End, Rod        |
| 8    | 32141-36    | 1    | Screw-Adjustment, Level |
| 9    | 32121-50    | 1    | Pin-Spring              |
| 10   | 92-5534     | 1    | Shaft-Pedal, Traction   |
| 11   | 5-7570      | 2    | Washer-Flat             |
| 12   | 28-5220     | 1    | Friction Wheel ASM      |
| 13   | 94-3307     | 1    | Pad-Pedal, Traction     |
| 14   | 94-3308     | 1    | Pad-Pedal, Traction     |
| 15   | 92-5537     | 1    | Pin-Pedal, Traction     |
| 16   | 3217-6      | 2    | Nut-Hex                 |
| 17   | 323-29      | 1    | Screw-HH                |
| 18   | 3256-24     | 2    | Washer-Flat             |
| 19   | 256-156     | 2    | Bushing-Flange          |
| 20   | 108-8661-03 | 1    | Traction Rod ASM        |
| 21   | 32128-56    | 2    | Nut-HF                  |
| 22   | 3272-10     | 2    | Pin-Cotter              |



## Brake Pedal Assembly

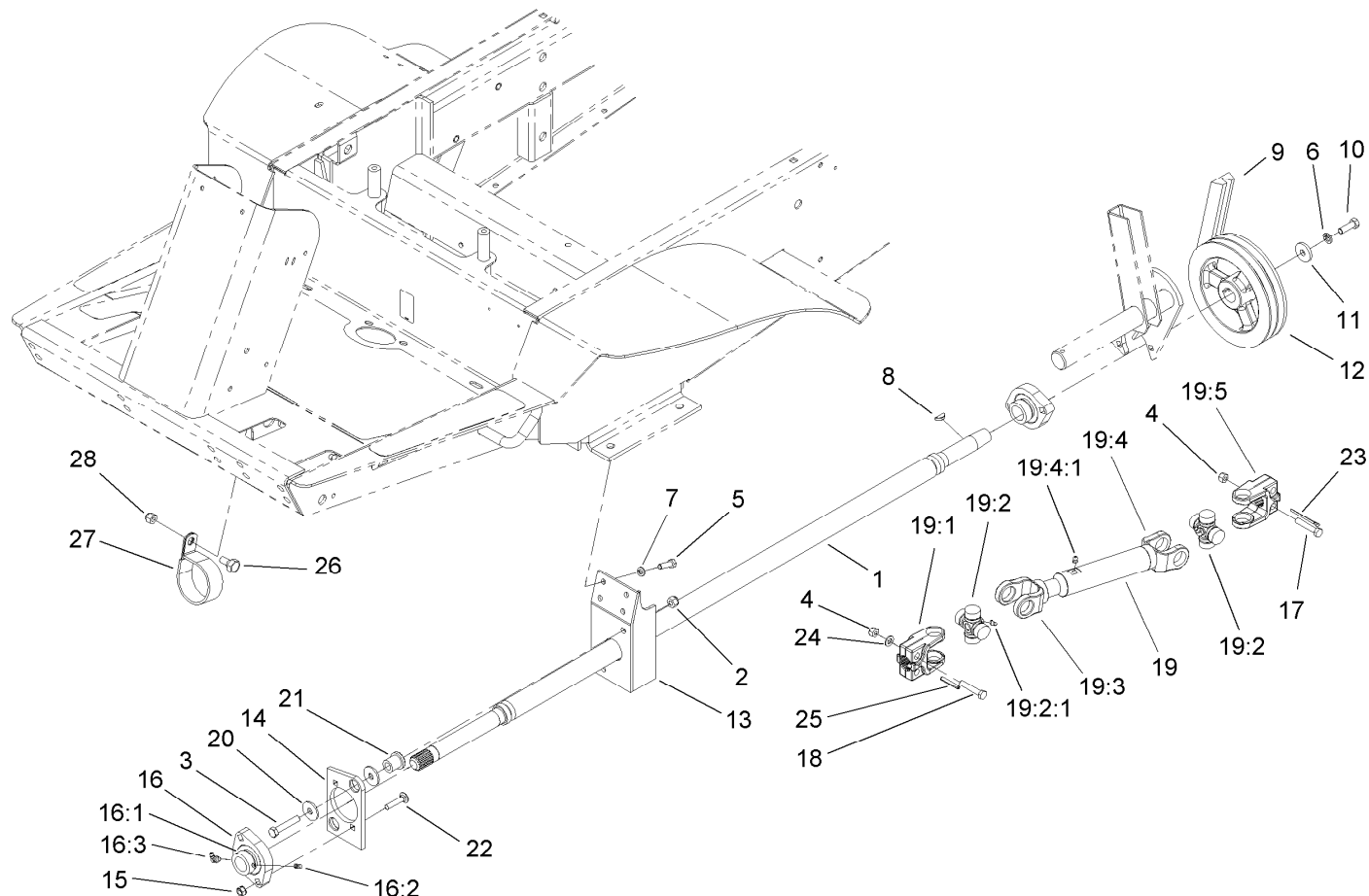
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 108-6556    | 2    | Cable-Brake       |
| 2    | 283-58      | 4    | Pin-Clevis        |
| 3    | 3272-10     | 4    | Pin-Cotter        |
| 4    | 63-6750     | 2    | Link-Cable, Brake |
| 5    | 3-7243      | 2    | Spring-Extension  |
| 6    | 321-4       | 1    | Screw-HH          |
| 7    | 63-6210-03  | 1    | Pin-Brake         |
| 8    | 3296-42     | 1    | Nut-Lock, NI      |
| 9    | 104-8300    | 1    | Nut-Flange, NI    |
| 11   | 32121-50    | 1    | Pin-Spring        |
| 12   | 63-7880     | 1    | Pin-Latch, Brake  |
| 13   | 63-6180     | 1    | Pedal-Brake, LH   |
| 13:1 | 256-42      | 2    | Bushing           |
| 13:2 | 302-5       | 1    | Fitting-Grease    |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 14   | 3256-69     | 2    | Washer-Flat        |
| 15   | 63-6190     | 1    | Pedal-Brake, RH    |
| 15:1 | 256-42      | 2    | Bushing            |
| 15:2 | 302-5       | 1    | Fitting-Grease     |
| 16   | 93-8742     | 2    | Footpad-Brake      |
| 17   | 105-7156    | 1    | Spacer             |
| 18   | 63-7900-03  | 1    | Rack ASM           |
| 19   | 3256-23     | 1    | Washer-Flat        |
| 20   | 322-7       | 1    | Screw-HH           |
| 21   | 3256-22     | 2    | Washer-Flat        |
| 22   | 105-7168    | 1    | Rod ASM            |
| 23   | 71-8310     | 1    | Spring-Compression |
| 24   | 233-17      | 1    | Knob               |
| 25   | 3272-5      | 2    | Pin-Cotter         |



## Battery and Engine Mount Assembly

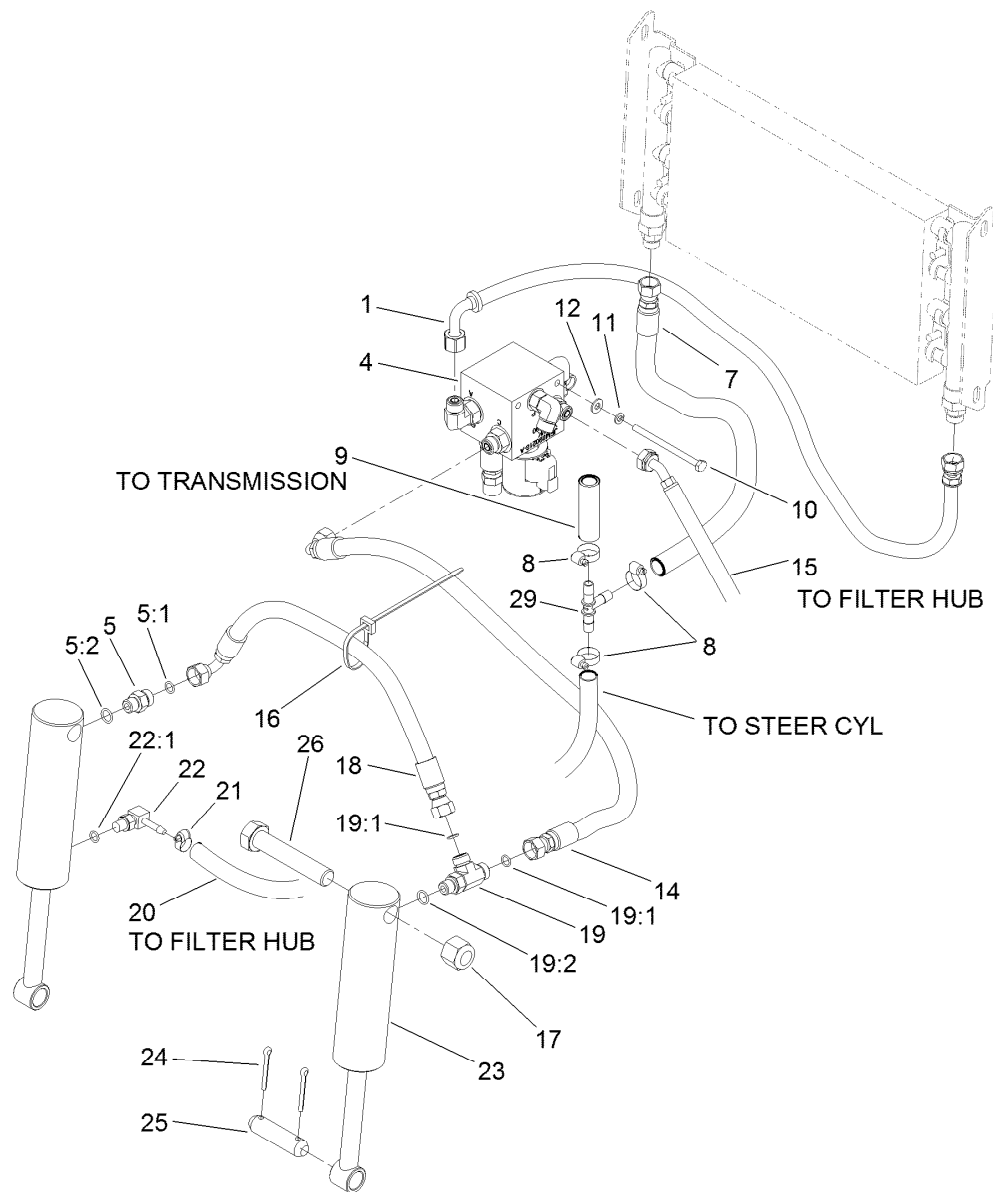
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 32128-20    | 4    | Nut-HF                  |
| 2    | 322-5       | 4    | Screw-HH                |
| 3    | 323-9       | 1    | Screw-HH                |
| 4    | 3253-21     | 2    | Washer-Lock             |
| 5    | 66-2490     | 1    | Retainer-Battery        |
| 6    | 106-5187    | 1    | Battery                 |
| 7    | 94-7343     | 1    | Battery Base ASM        |
| 8    | 3290-378    | 2    | Tie-Cable               |
| 11   | 3255-8      | 1    | Washer-Lock             |
| 13   | 104-0086    | 1    | Cable-Battery, Positive |
| 14   | 105-0040    | 1    | Cable-Battery, Negative |
| 16   | 3253-7      | 8    | Washer-Lock             |
| 17   | 3213-2      | 8    | Screw-HH                |
| 18   | 3296-39     | 3    | Nut-Lock, NI            |
| 19   | 105-2513-03 | 1    | Air Cleaner Mount ASM   |
| 21   | 3256-24     | 4    | Washer-Flat             |
| 22   | 114-2867-03 | 4    | Bracket-Mount, Engine   |
| 23   | 115-0600    | 4    | Mount-Engine            |
| 25   | 323-14      | 4    | Screw-HH                |
| 26   | 63-7400     | 4    | Washer-Rebound          |



## Power-Take-Off and Shaft Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 92-8855-03  | 1    | Shaft-PTO               |
| 2    | 3296-39     | 2    | Nut-Lock, NI            |
| 3    | 323-10      | 2    | Screw-HH                |
| 4    | 3296-29     | 5    | Nut-Lock, NI            |
| 5    | 322-5       | 4    | Screw-HH                |
| 6    | 3253-21     | 1    | Washer-Lock             |
| 7    | 3253-4      | 4    | Washer-Lock             |
| 8    | 3257-5      | 1    | Key-Woodruff            |
| 9    | 63-6240     | 1    | V-Belt                  |
| 10   | 323-18      | 1    | Screw-HH                |
| 11   | 29-4730     | 1    | Washer-Flat             |
| 12   | 43-5320-03  | 1    | Pulley-PTO              |
| 13   | 92-8751-03  | 1    | PTO Bearing Bracket ASM |
| 14   | 84-7580     | 1    | Plate-Support, Bushing  |
| 15   | 32149-1     | 2    | Nut-Keps                |
| 16   | 92-8799     | 1    | Bearing-Flange          |
| 16:1 | 251-77      | 1    | Collar-Lock, Bearing    |
| 16:2 | 3245-35     | 1    | Screw-Set, HSH          |
| 16:3 | 302-40      | 1    | Fitting-Grease          |

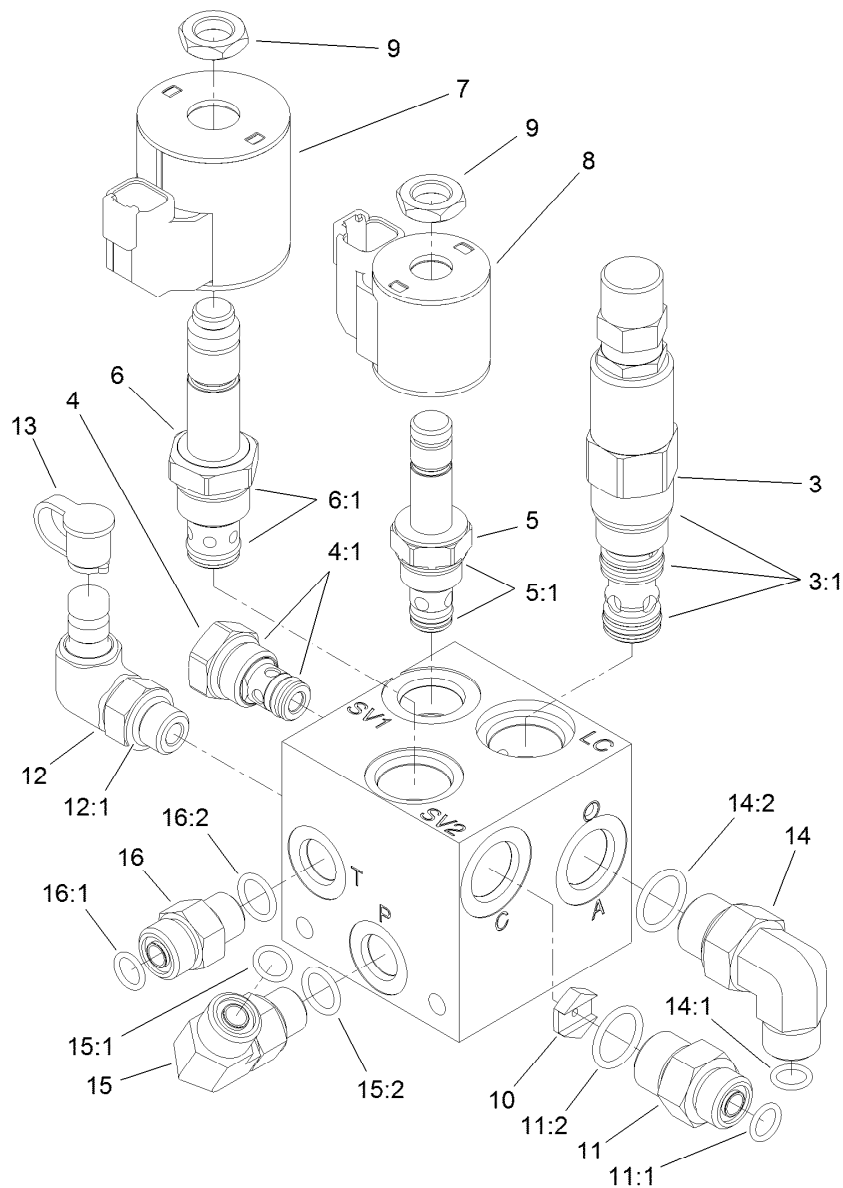
| Ref.   | Part Number | Qty. | Description         |
|--------|-------------|------|---------------------|
| 17     | 322-9       | 4    | Screw-HH            |
| 18     | 322-14      | 1    | Screw-HH            |
| 19     | 108-1366    | 1    | PTO Drive Shaft ASM |
| 19:1   | 54-9040     | 1    | Yoke-End            |
| 19:2   | 54-9180     | 2    | U-Joint Kit         |
| 19:2:1 | 62-3820     | 1    | Fitting-Grease      |
| 19:3   | 108-6550    | 1    | Shaft-Yoke, Slip    |
| 19:4   | 108-6551    | 1    | Tube-Yoke, Slip     |
| 19:4:1 | 302-58      | 1    | Fitting-Straight    |
| 19:5   | 54-9090     | 1    | Yoke-End            |
| 20     | 63-8410     | 4    | Washer              |
| 21     | 63-9750     | 2    | Mount               |
| 22     | 3230-4      | 2    | Screw-CARR          |
| 23     | 3272-15     | 1    | Pin-Cotter          |
| 24     | 3256-23     | 1    | Washer-Flat         |
| 25     | 32121-34    | 1    | Pin-Roll            |
| 26     | 46-3380     | 1    | Bolt-Shoulder       |
| 27     | 2412-102    | 1    | Clamp-R             |
| 28     | 3296-39     | 1    | Nut-Lock, NI        |



## Lift Cylinder and Manifold Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 120-6557    | 1    | Hose ASM              |
| 4    | 119-4830    | 1    | Valve ASM             |
| 5    | 340-2       | 1    | Fitting-HYD, Straight |
| 5:1  | 237-22      | 1    | O-Ring                |
| 5:2  | 237-42      | 1    | O-Ring                |
| 7    | 100-5641    | 1    | Hose ASM              |
| 8    | 2412-36     | 3    | Clamp-Hose            |
| 9    | 100-5649    | 1    | Hose                  |
| 10   | 321-28      | 2    | Screw-HH              |
| 11   | 3253-3      | 2    | Washer-Lock           |
| 12   | 3256-22     | 2    | Washer-Flat           |
| 14   | 108-2083    | 1    | Hose ASM              |
| 15   | 120-6556    | 1    | Hose ASM              |
| 16   | 3290-378    | 2    | Tie-Cable             |

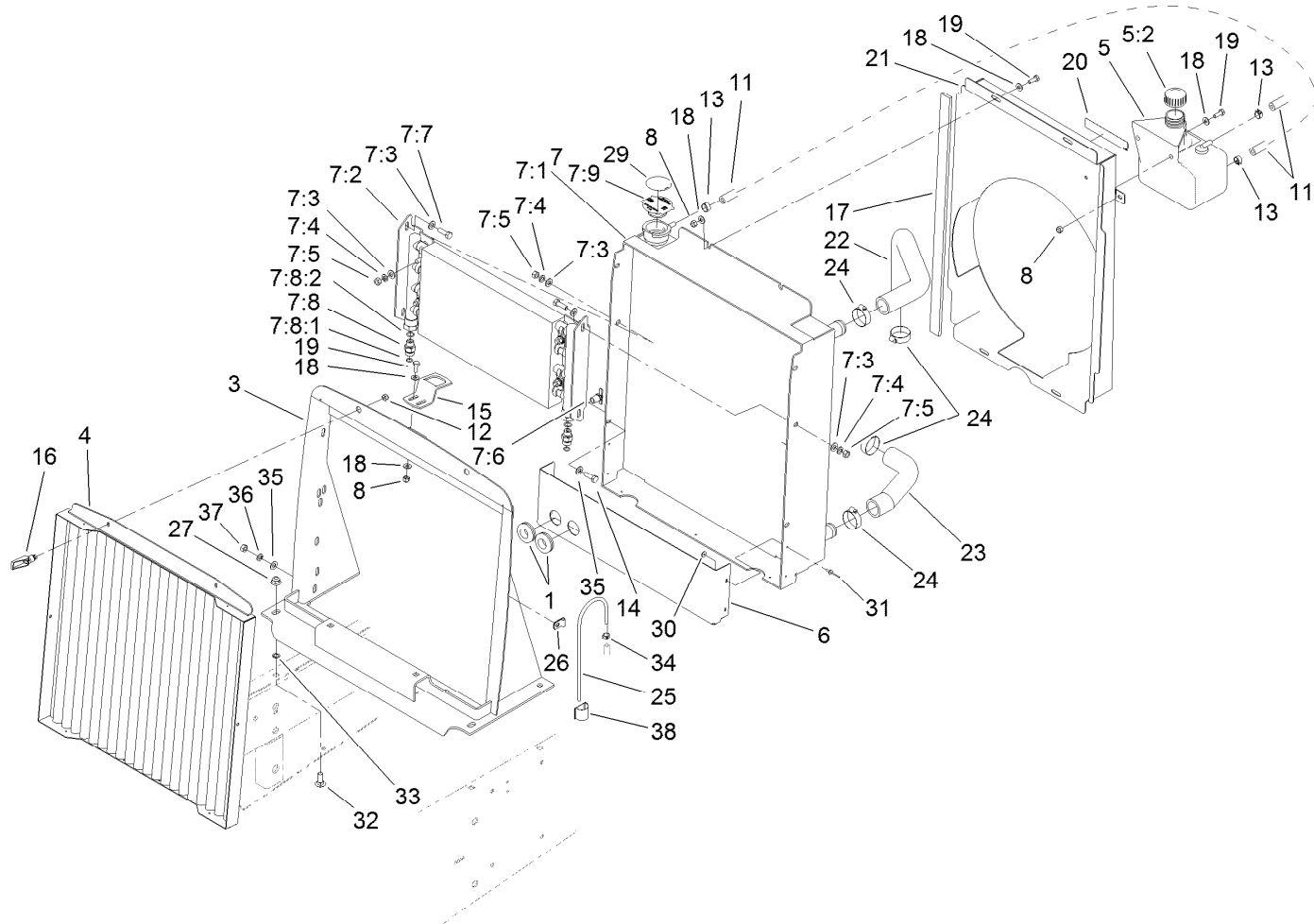
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 17   | 3296-51     | 2    | Nut-Lock, NI     |
| 18   | 108-2082    | 1    | Hose ASM         |
| 19   | 340-86      | 1    | Fitting-Tee      |
| 19:1 | 237-22      | 2    | O-Ring           |
| 19:2 | 237-42      | 1    | O-Ring           |
| 20   | 92-5082     | 2    | Hose-HYD         |
| 21   | 2412-108    | 2    | Clamp-Worm       |
| 22   | 304-99      | 2    | Stem-Hose        |
| 22:1 | 237-78      | 1    | O-Ring           |
| 23   | 63-6630     | 2    | Cylinder-HYD     |
| 24   | 3272-23     | 4    | Pin-Cotter       |
| 25   | 27-4240     | 2    | Pin-Cylinder     |
| 26   | 328-7       | 2    | Screw-HH         |
| 29   | 354-107     | 1    | Fitting-HYD, Tee |



## Hydraulic Valve Assembly No. 119-4830

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 3    | 120-6554    | 1    | Valve-Logic                       |
| 3:1  | 119-2159    | 1    | Seal Kit                          |
| 4    | 114-2873    | 1    | Check Valve                       |
| 4:1  | 105-9156    | 1    | Seal Kit                          |
| 5    | 120-6562    | 1    | Valve-Solenoid                    |
| 5:1  | 105-9156    | 1    | Seal Kit                          |
| 6    | 120-6561    | 1    | Valve-Solenoid                    |
| 6:1  | 105-9159    | 1    | Seal Kit                          |
| 7    | 115-3021    | 1    | Coil-12V                          |
| 8    | 119-8036    | 1    | E-Coil, 12 Vdc, -08               |
| 9    | 110-2634    | 1    | Nut-Coil                          |
| 10   | 120-6558    | 1    | Orifice-Control, Flow (0.100, -8) |
| 11   | 340-3       | 1    | Adapter                           |
| 11:1 | 237-22      | 1    | O-Ring                            |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 11:2 | 237-79      | 1    | O-Ring                     |
| 12   | 120-6560    | 1    | Fitting-Diagnostic, 90 DEG |
| 12:1 | 237-78      | 1    | O-Ring                     |
| 13   | 120-6559    | 1    | Cap-Cover, Dust            |
| 14   | 340-18      | 1    | Fitting-HYD, 90 DEG        |
| 14:1 | 237-79      | 1    | O-Ring                     |
| 14:2 | 237-22      | 1    | O-Ring                     |
| 15   | 340-77      | 1    | Fitting-HYD, 90 DEG        |
| 15:1 | 237-22      | 1    | O-Ring                     |
| 15:2 | 237-42      | 1    | O-Ring                     |
| 16   | 340-2       | 1    | Fitting-HYD, Straight      |
| 16:1 | 237-22      | 1    | O-Ring                     |
| 16:2 | 237-42      | 1    | O-Ring                     |

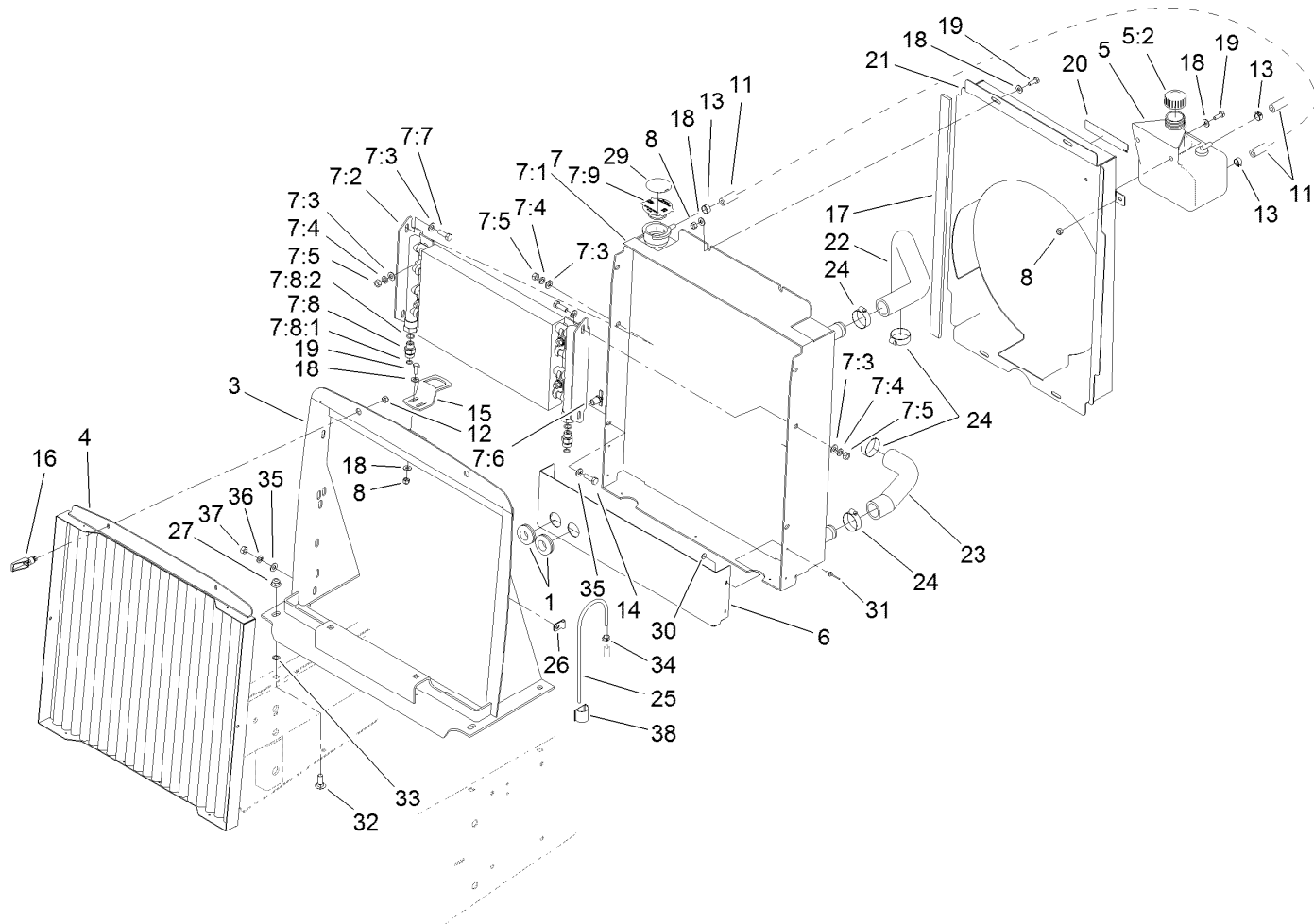


## Radiator Assembly

| Ref.  | Part Number | Qty. | Description             |
|-------|-------------|------|-------------------------|
| 1     | 240-4       | 2    | Grommet-Rubber          |
| 3     | 120-6550-03 | 1    | Radiator Frame ASM      |
| 4     | 108-2062-03 | 1    | Screen ASM              |
| 5     | 93-5975     | 1    | Coolant Reservoir ASM   |
| 5:2   | 93-5960     | 1    | Cap-Reservoir           |
| 6     | 110-9663-03 | 1    | Shield-Radiator, Bottom |
| 7     |             | 1    | Cooling ASM ●           |
| 7:1   | 119-4845    | 1    | Radiator                |
| 7:2   | 119-4846    | 1    | Oil Cooler              |
| 7:3   | 3256-23     | 8    | Washer-Flat             |
| 7:4   | 3253-4      | 6    | Washer-Lock             |
| 7:5   | 3217-6      | 6    | Nut-Hex                 |
| 7:6   | 304-46      | 1    | Draincock               |
| 7:7   | 322-5       | 2    | Screw-HH                |
| 7:8   | 340-2       | 2    | Fitting-HYD, Straight   |
| 7:8:1 | 237-22      | 1    | O-Ring                  |
| 7:8:2 | 237-42      | 1    | O-Ring                  |
| 7:9   | 66-3240     | 1    | Cap-Radiator            |
| 8     | 3296-42     | 8    | Nut-Lock, NI            |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 11   | 109-0308    | 2    | Hose-Fuel            |
| 12   | 1-804254    | 2    | Nut-Lock, HH         |
| 13   | 92-2379     | 3    | Clamp-Hose           |
| 14   | 322-5       | 4    | Screw-HH             |
| 15   | 98-9316     | 1    | Latch-Hood           |
| 16   | 74-5950     | 2    | Latch-Swell          |
| 17   | 108-9683    | 2    | Strip-Foam           |
| 18   | 3256-22     | 14   | Washer-Flat          |
| 19   | 321-4       | 8    | Screw-HH             |
| 20   | 93-7272     | 1    | Decal-Warning        |
| 21   | 108-9678-03 | 1    | Fan Shroud ASM       |
| 22   | 104-3443    | 1    | Hose-Radiator, Upper |
| 23   | 104-3442    | 1    | Hose-Radiator, Lower |
| 24   | 2412-34     | 4    | Clamp-Hose           |
| 25   | 66-3180     | 1    | Tube-Vent            |
| 26   | 2412-103    | 2    | Clamp                |
| 27   | 104-8301    | 4    | Nut-Flange, NI       |
| 29   | 106-5976    | 1    | Decal-Warning        |
| 30   | 3269-10     | 2    | Washer-Back          |

● Not serviced separately



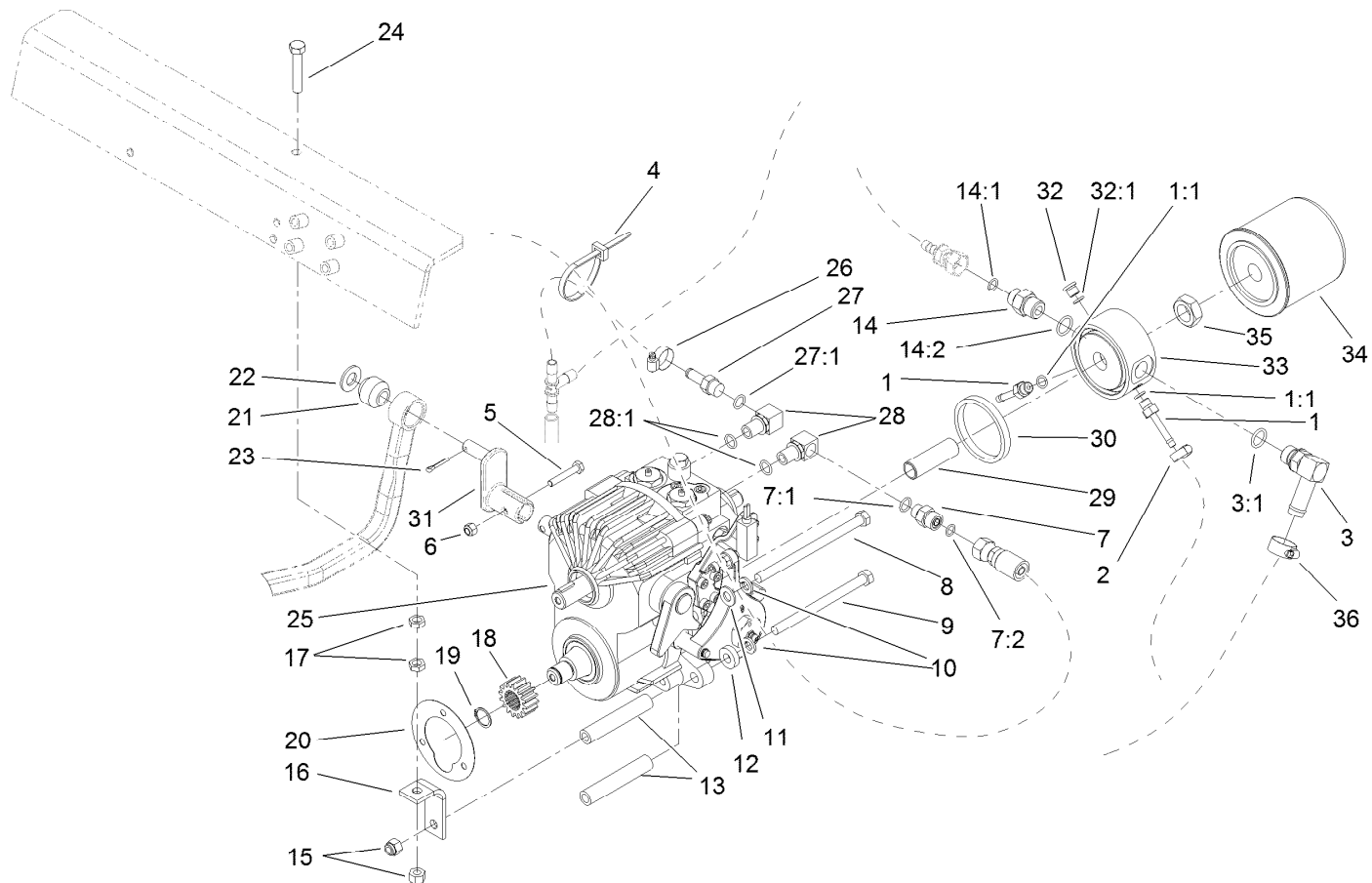
## Radiator Assembly (continued)

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 31   | 3269-13     | 5    | Rivet-Pop      |
| 32   | 3231-22     | 4    | Screw-CARR     |
| 33   | 32151-72    | 4    | Ring-Retaining |
| 34   | 2412-98     | 1    | Clamp          |

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 35   | 3256-23     | 8    | Washer-Flat    |
| 36   | 3253-4      | 4    | Washer-Lock    |
| 37   | 3217-6      | 4    | Nut-Hex        |
| 38   | 105-7188    | 1    | Clamp-Adhesive |

● Not serviced separately

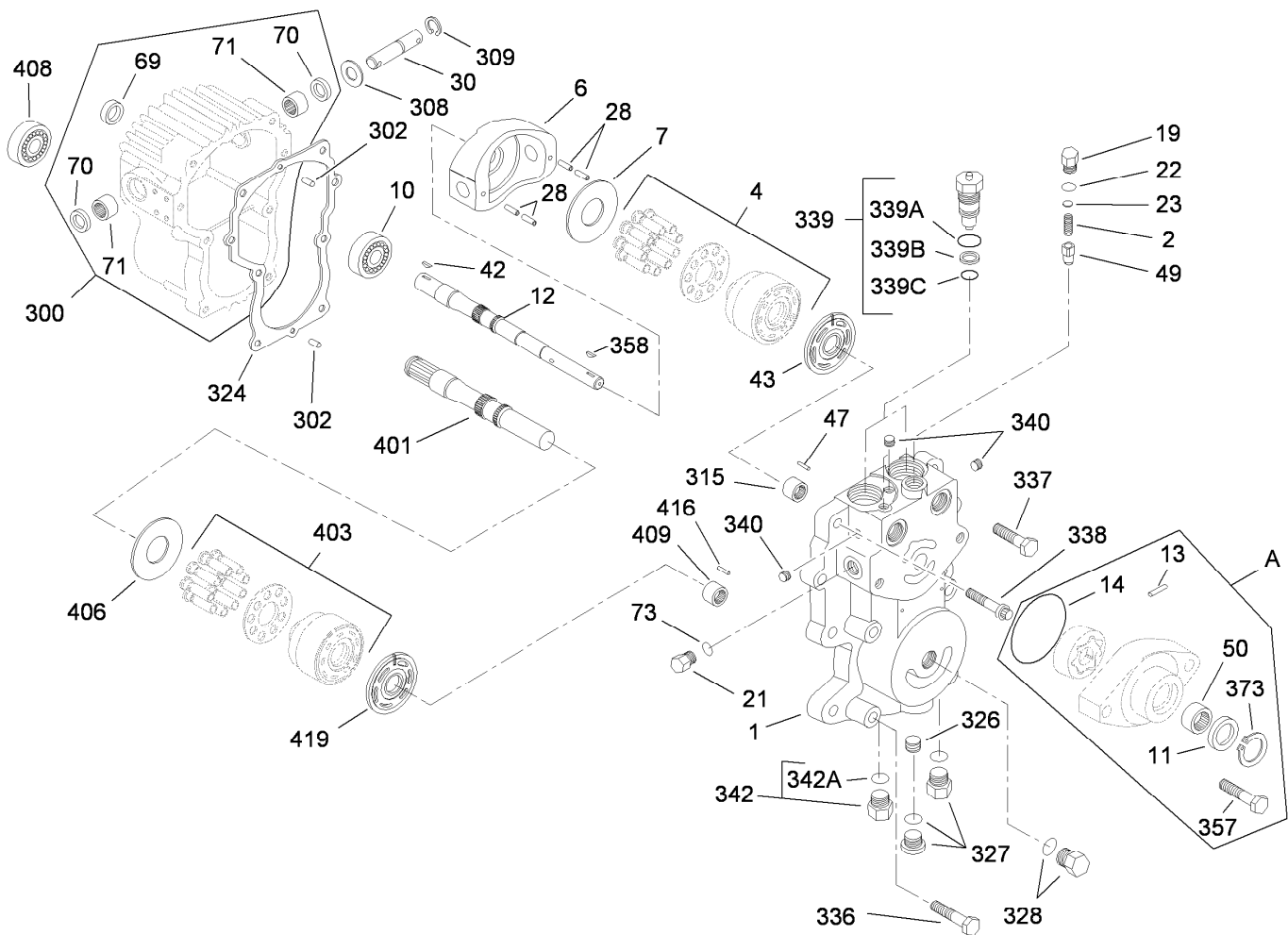




## Transmission Installation Assembly (continued)

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 34   | 23-2300     | 1    | Filter-Oil, Transmission |

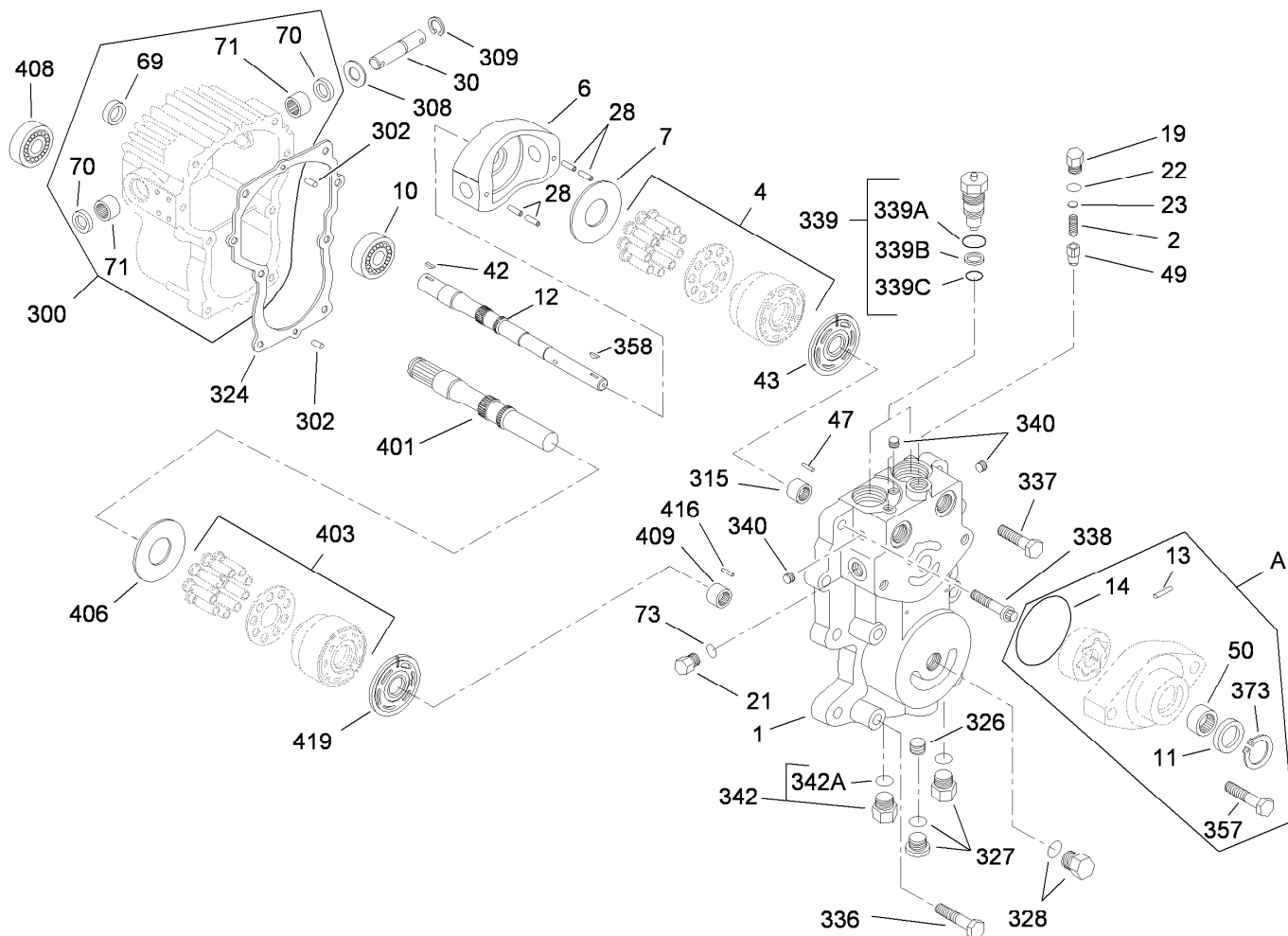
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 35   | 3220-7      | 1    | Nut-Jam                |
| 36   | 2412-119    | 1    | Clamp-Hose, Worm Drive |



## Center Section Assembly Transmission Assembly No. 117-0849

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 92-5716     | 1    | Section-Center        |
| 2    | 25-2570     | 1    | Spring-Valve          |
| 4    | 48-1800     | 1    | Cylinder Block Kit    |
| 6    | 25-2450     | 1    | Plate-Swash, Variable |
| 7    | 25-2380     | 1    | Plate-Thrust          |
| A    | 117-6988    | 1    | Charge Pump Kit       |
| 10   | 251-8       | 1    | Bearing-Ball          |
| 11   | 94-2975     | 1    | Seal-Shaft            |
| 12   | 28-3640     | 1    | Shaft-Pump            |
| 13   | 38-2680     | 1    | Pin                   |
| 14   | 28-3520     | 1    | O-Ring                |
| 19   | 25-2460     | 1    | Plug-HH               |
| 21   | 25-2460     | 1    | Plug-HH               |
| 22   | 28-3400     | 1    | O-Ring                |
| 23   | 25-2470     | 1    | Pack-Shim             |
| 28   | 83-3880     | 4    | Pin-Spring            |
| 30   | 28-3670     | 1    | Shaft-Trunnion        |
| 42   | 3257-5      | 1    | Key-Woodruff          |
| 43   | 110-3051    | 1    | Plate-Valve           |
| 47   | 25-2430     | 1    | Pin-Dowel             |
| 49   | 67-8070     | 1    | Cone-Relief, Charge   |
| 50   | 28-3480     | 1    | Bearing               |
| 69   | 93-4133     | 1    | Seal-Lip              |
| 70   | 103461      | 2    | Seal                  |
| 71   | 252-82      | 2    | Bearing-Needle        |
| 73   | 28-3400     | 1    | O-Ring                |

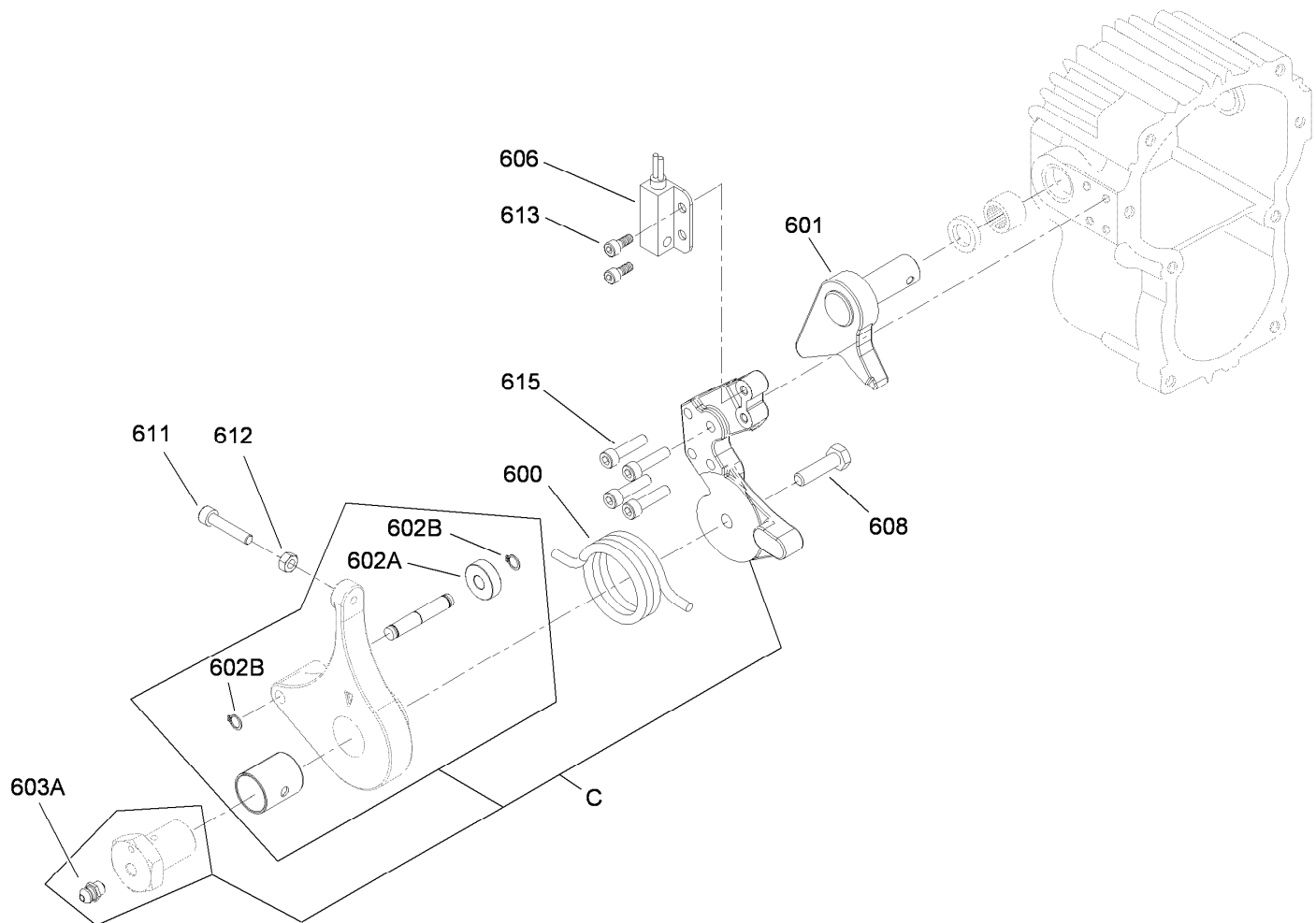
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 300  | 110-3052    | 1    | Housing ASM        |
| 302  | 353-599     | 2    | Pin-Dowel          |
| 308  | 25-2510     | 1    | Washer-Flat        |
| 309  | 32151-46    | 1    | Ring-Retaining     |
| 315  | 25-3300     | 1    | Bearing-Needle     |
| 324  | 28-3340     | 1    | Gasket             |
| 326  | 107-4370    | 1    | Plug-Expansion     |
| 327  | 67-9090     | 1    | Plug ASM           |
| 328  | 28-3440     | 1    | Plug-Threaded      |
| 336  | 323-10      | 4    | Screw-HH           |
| 337  | 75-0110     | 2    | Capscrew-HH        |
| 338  | 28-3530     | 2    | Capscrew           |
| 339  | 49-7830     | 2    | Check Valve Kit    |
| 339A | 28-3570     | 2    | O-Ring             |
| 339B | 28-3580     | 2    | Ring-Back Up       |
| 339C | 28-3590     | 2    | O-Ring             |
| 340  | 75-0160     | 4    | Plug-Pipe          |
| 342  | 28-3440     | 2    | Plug-Threaded      |
| 342A | 75-0240     | 2    | O-Ring             |
| 357  | 92-1773     | 2    | Screw-HHF          |
| 358  | 3257-5      | 1    | Key-Woodruff       |
| 373  | 94-2976     | 1    | Ring-Retaining     |
| 401  | 49-8200     | 1    | Shaft-Motor        |
| 403  | 48-1800     | 1    | Cylinder Block Kit |
| 406  | 25-2380     | 1    | Plate-Thrust       |
| 408  | 28-3300     | 1    | Bearing-Roller     |



## Center Section Assembly Transmission Assembly No. 117-0849 (continued)

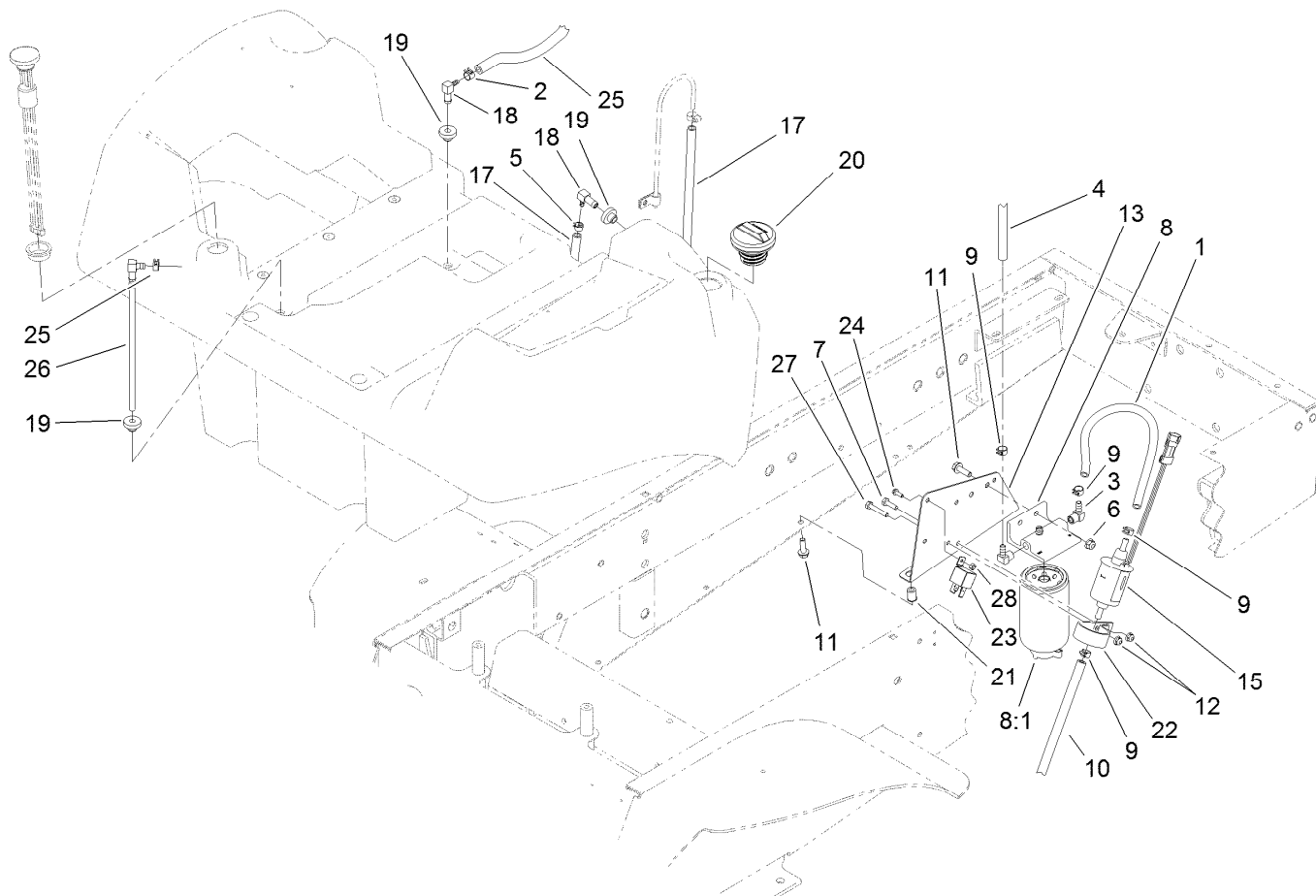
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 409  | 25-3300     | 1    | Bearing-Needle |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 416  | 25-2430     | 1    | Pin-Dowel          |
| 419  | 28-3380     | 1    | Plate-Valve, Motor |



## Neutral Return Arm Assembly Transmission Assembly No. 117-0849

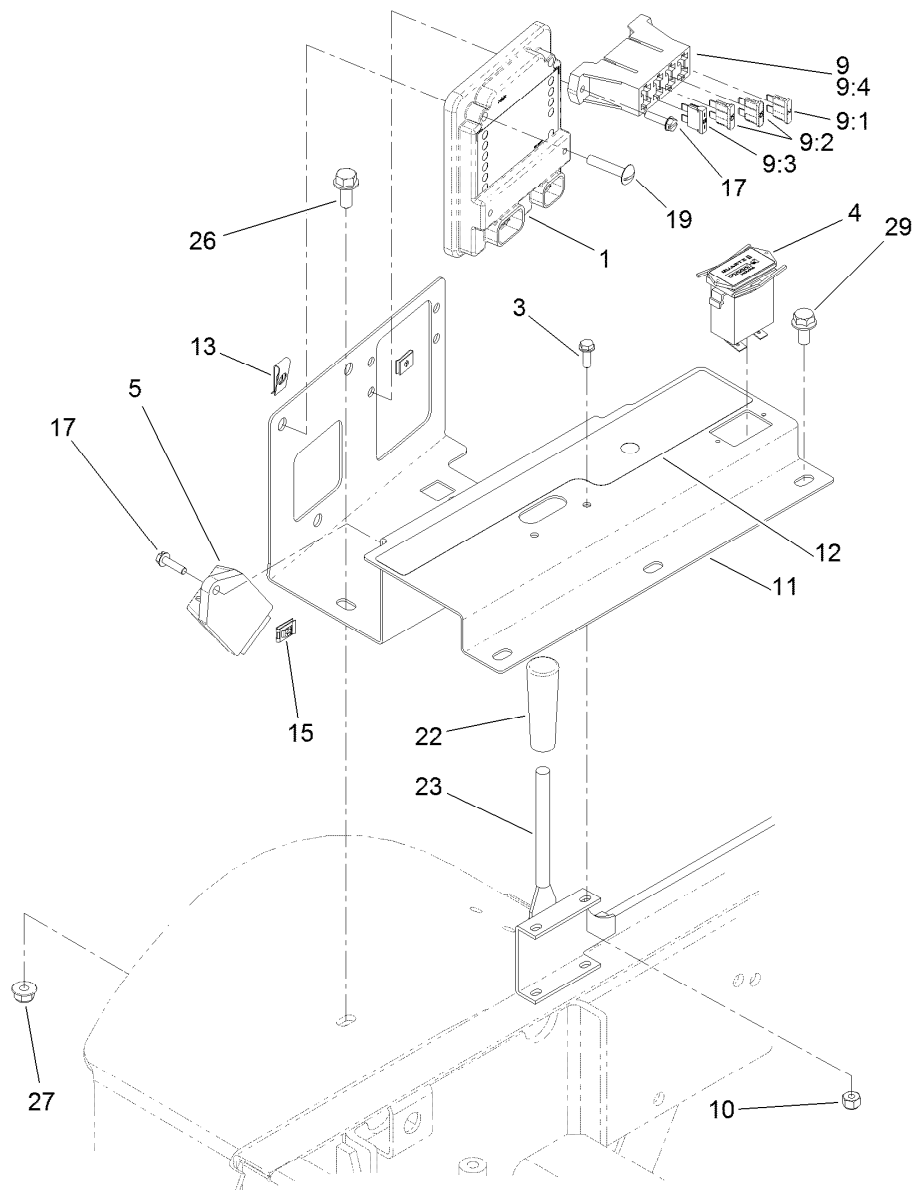
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| C    | 110-5685    | 1    | Neutral Return ASM     |
| 600  | 110-3053    | 1    | Spring-Return, Neutral |
| 601  | 110-3054    | 1    | Cam-Trunnion           |
| 606  | 100-1270    | 1    | Switch-Proximity       |
| 608  | 33114-030   | 1    | Screw-HH               |
| 611  | 110-3060    | 1    | Screw-HSH              |
| 612  | 33013-00    | 1    | Nut-Hex                |
| 613  | 110-3061    | 2    | Screw-HSH              |
| 615  | 48-7850     | 4    | Capscrew               |
| 602A | 251-259     | 1    | Bearing-Ball           |
| 602B | 110-3056    | 2    | Ring-Retaining         |
| 603A | 110-3058    | 1    | Fitting-Lube           |



## Fuel Delivery System Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 110-4105    | 1    | Hose-Fuel        |
| 2    | 2412-80     | 2    | Clamp-Line, Fuel |
| 3    | 353-781     | 2    | Fitting-Elbow    |
| 4    | 106-1126    | 1    | Hose-Fuel        |
| 5    | 2412-98     | 1    | Clamp            |
| 6    | 104-8300    | 2    | Nut-Flange, NI   |
| 7    | 321-5       | 1    | Screw-HH         |
| 8    | 110-9044    | 1    | Filter-Seperator |
| 8:1  | 110-9049    | 1    | Filter-Spin On   |
| 9    | 92-2379     | 6    | Clamp-Hose       |
| 10   | 110-4172    | 1    | Hose-Fuel        |
| 11   | 3234-17     | 4    | Screw-HHF        |
| 12   | 104-7201    | 2    | Nut-HF           |
| 13   | 114-2854-03 | 1    | Bracket-Support  |

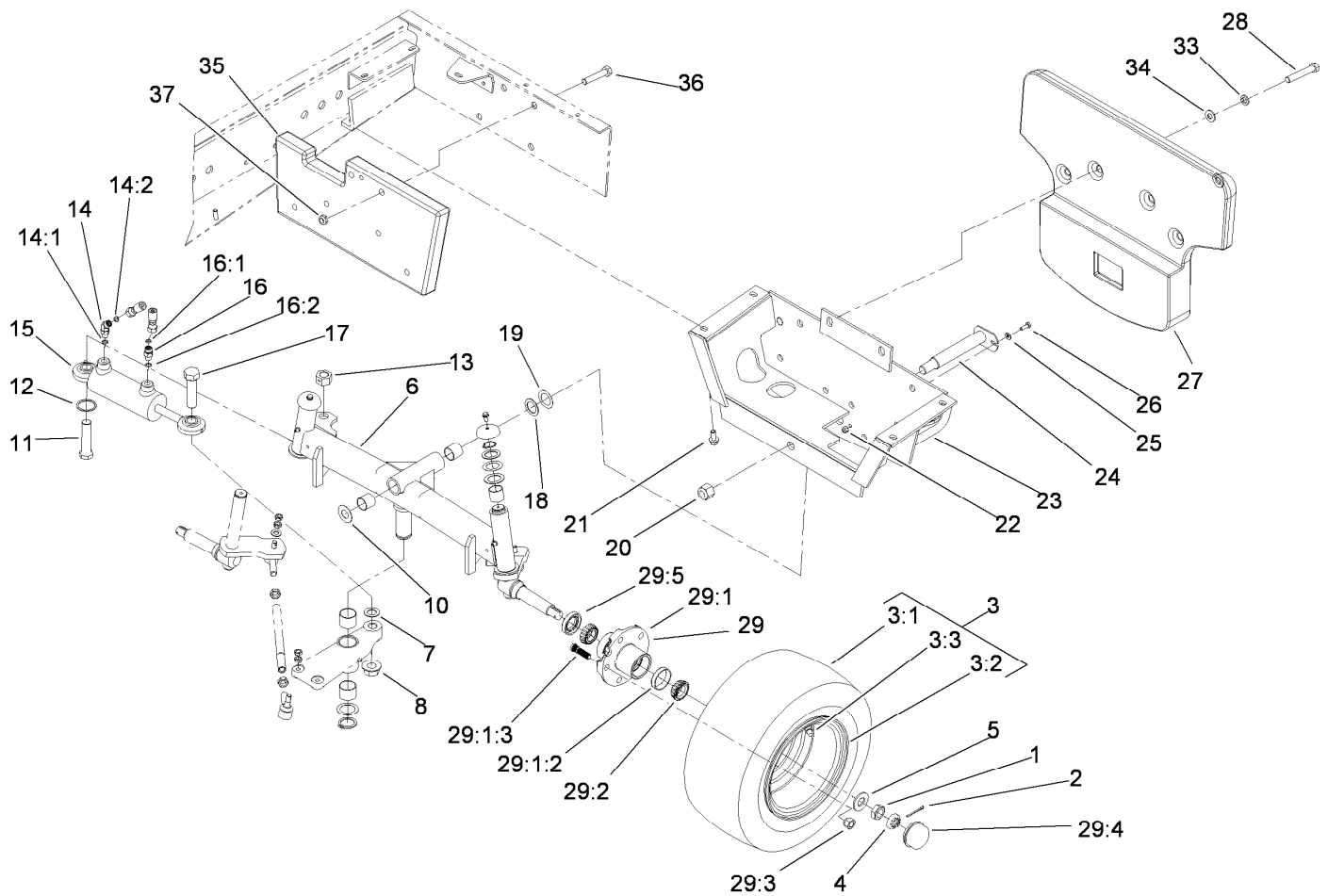
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 15   | 110-8806    | 1    | Pump-Fuel             |
| 17   | 109-0273    | 1    | Hose-Fuel             |
| 18   | 104-5228    | 2    | Fitting-Elbow, 90 DEG |
| 19   | 46-6560     | 3    | Bushing               |
| 20   | 115-5305    | 1    | Cap-Fuel              |
| 21   | 32148-7     | 2    | Nut-Insert            |
| 22   | 110-8817    | 1    | Bracket-Pump, Fuel    |
| 23   | 99-7435     | 1    | Relay-Power           |
| 24   | 32105-23    | 1    | Screw                 |
| 25   | 108-9698    | 1    | Hose-Fuel             |
| 26   | 110-9689    | 1    | Pipe-Stand            |
| 27   | 321-9       | 1    | Screw-HH              |
| 28   | 3296-2      | 1    | Nut-Lock, NI          |



## Lower Control Panel Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 106-9277    | 1    | Module-Control, Standard |
| 3    | 115-1727    | 2    | Screw-HHF                |
| 4    | 1-513374    | 1    | Meter-Hour               |
| 5    | 98-7611     | 1    | Controller-Glow          |
| 9    | 119-5772    | 1    | Harness-Wire             |
| 9:1  | 94-6710     | 1    | Fuse-2 Amp               |
| 9:2  | 218-578     | 2    | Fuse-Blade, 10 Amp       |
| 9:3  | 109355      | 1    | Fuse-Blade, 15 Amp       |
| 9:4  | 32160-005   | 1    | Connector-Fuseblock, 8F  |
| 10   | 1-804254    | 2    | Nut-Lock, HH             |
| 11   | 119-4831-03 | 1    | Console                  |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 12   | 119-4832    | 1    | Decal-Panel, Lower       |
| 13   | 3290-199    | 3    | Nut-Speed                |
| 15   | 107-1013    | 8    | Nut-Speed, U-Type        |
| 17   | 32105-13    | 3    | Screw-HWH                |
| 19   | 3258-19     | 3    | Screw                    |
| 22   | 233-39      | 1    | Knob-Control             |
| 23   | 117-0824    | 1    | Control-Throttle, Diesel |
| 26   | 3234-5      | 1    | Screw-HHF                |
| 27   | 104-8300    | 1    | Nut-Flange, NI           |
| 29   | 3234-14     | 3    | Screw-HHF                |

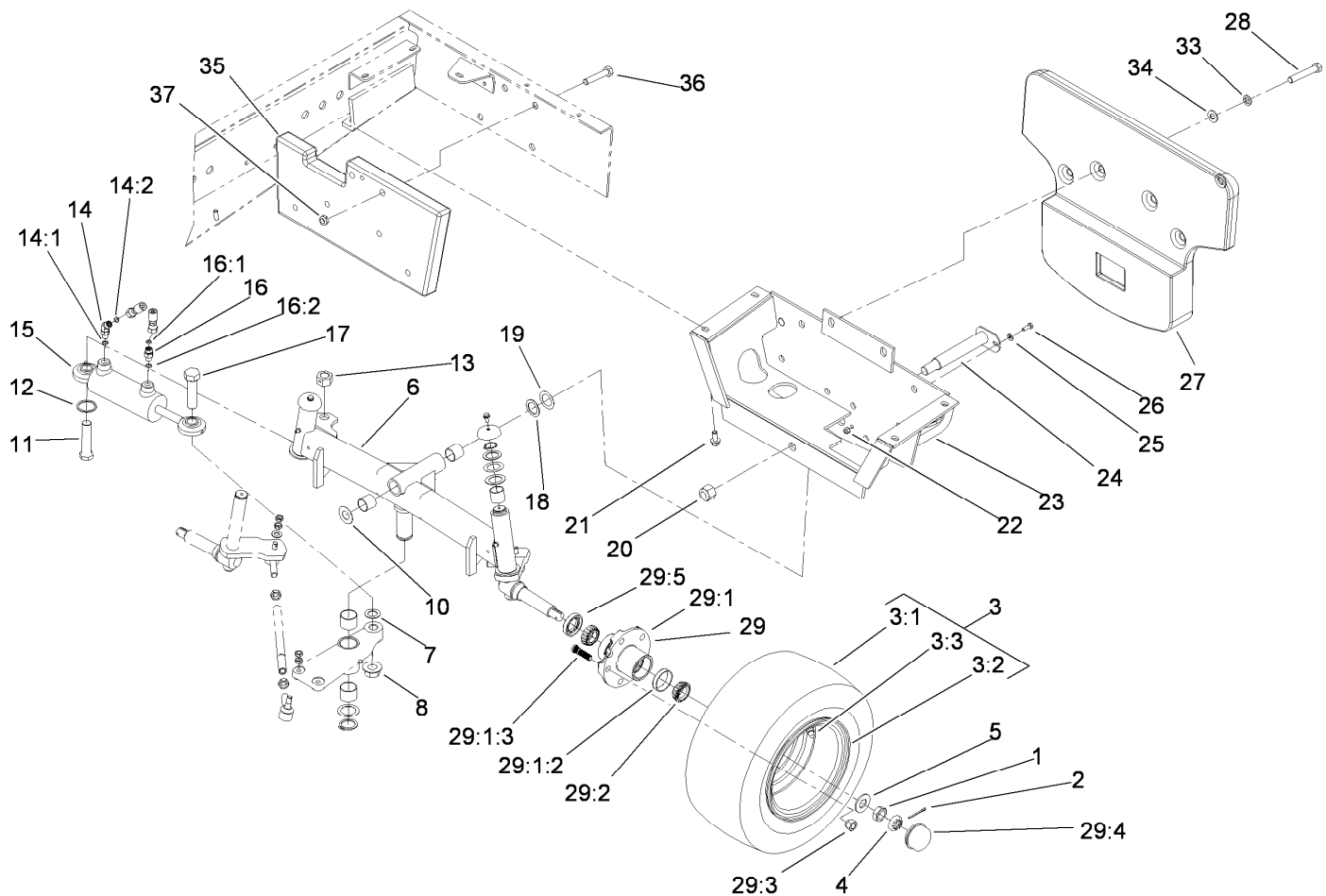


## Rear Axle and Tire Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 3220-7      | 2    | Nut-Jam                |
| 2    | 3272-13     | 2    | Pin-Cotter             |
| 3    |             | 2    | Wheel And Tire ASM ●   |
| 3:1  | 231-105     | 1    | Tire-Ribbed            |
| 3:2  | 107-9059    | 1    | Wheel                  |
| 3:3  | 232-35      | 1    | Valve Stem And Cap ASM |
| 4    | 93-0307     | 2    | Nut-Lock, Retainer     |
| 5    | 93-0309     | 2    | Washer-Tab             |
| 6    |             | 1    | Rear Axle ASM ●        |
| 7    | 67-9410     | 1    | Washer                 |
| 8    | 32128-45    | 1    | Locknut-Flange         |
| 10   | 71-4540     | 1    | Washer-Thrust          |
| 11   | 67-7300     | 1    | Screw-HH               |
| 12   | 67-7250     | 1    | Spacer-Ring            |
| 13   | 32153-6     | 1    | Nut-Lock               |
| 14   | 340-103     | 1    | Fitting-HYD, 45 DEG    |
| 14:1 | 237-78      | 1    | O-Ring                 |
| 14:2 | 237-21      | 1    | O-Ring                 |
| 15   | 115-4525    | 1    | Cylinder ASM           |

| Ref.   | Part Number | Qty. | Description           |
|--------|-------------|------|-----------------------|
| 16     | 340-92      | 1    | Fitting-HYD, Straight |
| 16:1   | 237-78      | 1    | O-Ring                |
| 16:2   | 237-21      | 1    | O-Ring                |
| 17     | 328-25      | 1    | Screw-HH              |
| 18     | 10-8110     | 1    | Washer-Thrust         |
| 19     | 56-2460     | 2    | Washer-Flat           |
| 20     | 3296-51     | 1    | Nut-Lock, NI          |
| 21     | 3234-25     | 4    | Screw-HHF             |
| 22     | 3296-42     | 1    | Nut-Lock, NI          |
| 23     | 63-6430-03  | 1    | Frame-Rear            |
| 24     | 63-6770-03  | 1    | Pin-Masked            |
| 25     | 3256-22     | 1    | Washer-Flat           |
| 26     | 321-4       | 1    | Screw-HH              |
| 27     | 110-9666-01 | 1    | Weight-Rear           |
| 28     | 325-14      | 4    | Screw-HH              |
| 29     |             | 2    | Hub ASM ●             |
| 29:1   | 117-8963    | 1    | Hub ASM               |
| 29:1:2 | 254-72      | 2    | Bearing-Cup, Tapered  |
| 29:1:3 | 114-3918    | 5    | Stud-Wheel            |

● Not serviced separately

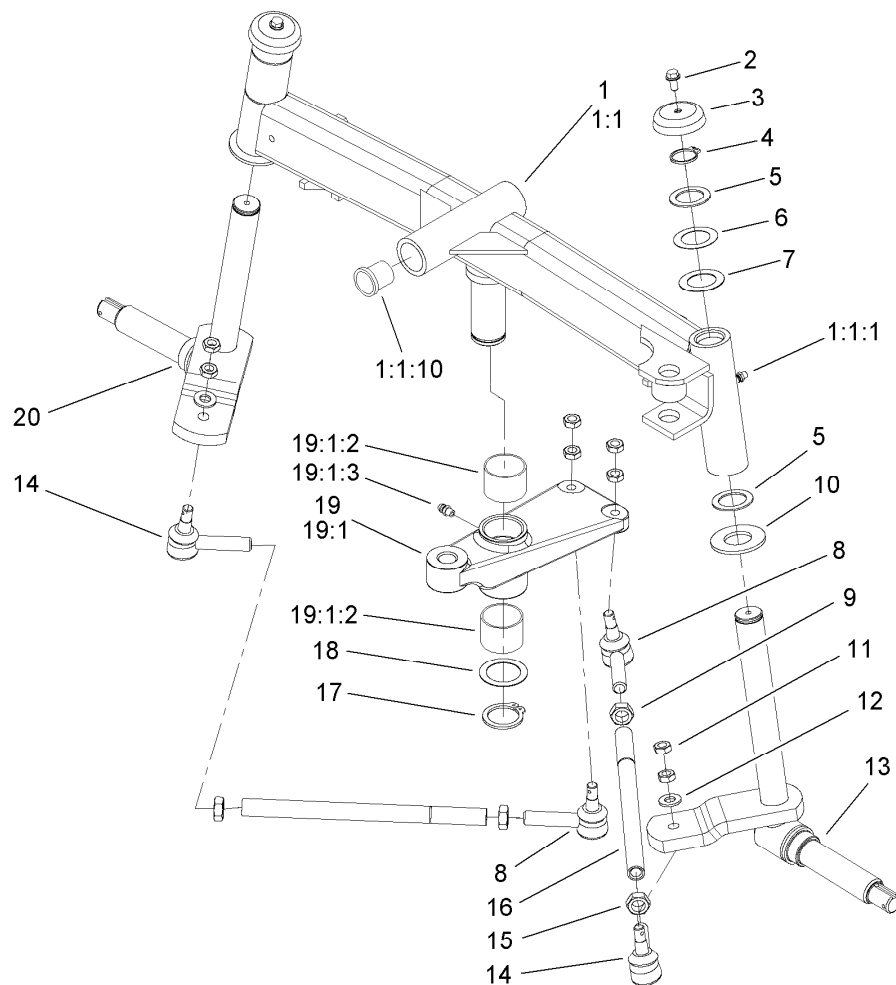


## Rear Axle and Tire Assembly (continued)

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 29:2 | 254-94      | 2    | Bearing-Cone, Tapered |
| 29:3 | 242-50      | 5    | Nut-Lug               |
| 29:4 | 241-119     | 1    | Cap-Dust              |
| 29:5 | 112-1690    | 1    | Seal-Oil              |
| 33   | 3253-7      | 4    | Washer-Lock           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 34   | 3256-26     | 4    | Washer-Flat         |
| 35   | 110-1995-03 | 1    | Weight-Rear, Inside |
| 36   | 325-10      | 2    | Screw-HH            |
| 37   | 3296-45     | 2    | Nut-Lock, NI        |

● Not serviced separately

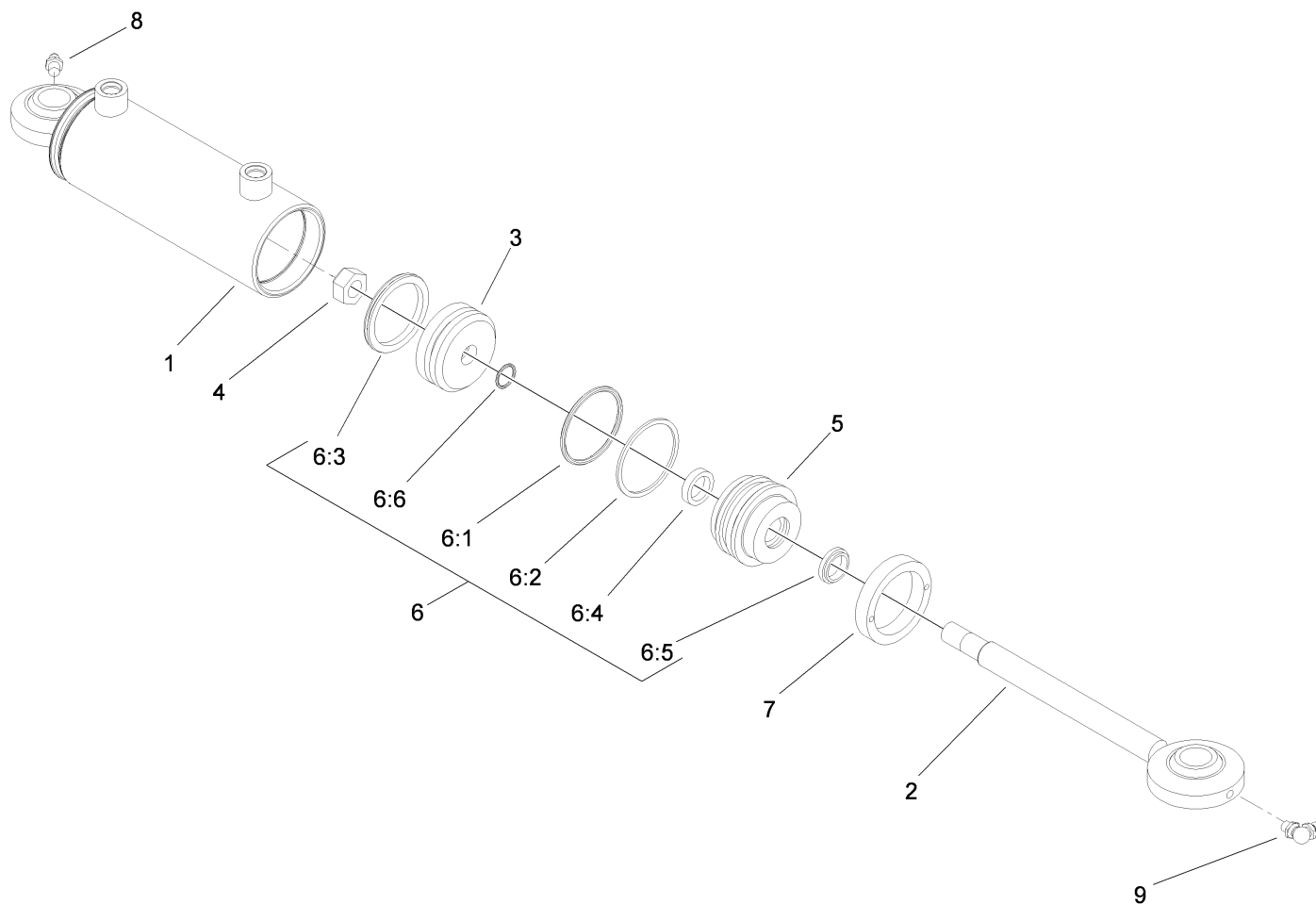


## Rear Axle Assembly

| Ref.   | Part Number | Qty. | Description        |
|--------|-------------|------|--------------------|
| 1      | 76-3000-03  | 1    | Rear Axle ASM      |
| 1:1    |             | 1    | Axle-Rear ●        |
| 1:1:1  | 302-5       | 3    | Fitting-Grease     |
| 1:1:10 | 67-1750     | 6    | Bushing            |
| 2      | 3234-13     | 2    | Screw-HHF          |
| 3      | 66-2990-03  | 2    | Cap-Spindle        |
| 4      | 32151-36    | 2    | Ring-Retaining     |
| 5      | 10-8110     | 4    | Washer-Thrust      |
| 6      | 56-2460     | 2    | Washer-Flat        |
| 7      | 5-1226      | 2    | Washer             |
| 8      | 110-9686-03 | 2    | LH Ball Joint ASM  |
| 9      | 3220-12     | 2    | Nut-HJ (LH Thread) |
| 10     | 256-121     | 2    | Washer-Thrust      |

| Ref.   | Part Number | Qty. | Description         |
|--------|-------------|------|---------------------|
| 11     | 3220-3      | 8    | Nut-HJ              |
| 12     | 3256-24     | 2    | Washer-Flat         |
| 13     | 107-2943-03 | 1    | RH Spindle ASM      |
| 14     | 110-9685-03 | 2    | RH Ball Joint ASM   |
| 15     | 3220-5      | 2    | Nut-Jam             |
| 16     | 63-6880     | 2    | Tie Rod-Steering    |
| 17     | 32151-77    | 1    | Ring-Retaining, EXT |
| 18     | 76-2980     | 1    | Washer-Thrust       |
| 19     | 100-6598-03 | 1    | Steering Pivot ASM  |
| 19:1   |             | 1    | Pivot-Steering ●    |
| 19:1:2 | 76-2970     | 2    | Bushing-Straight    |
| 19:1:3 | 302-5       | 1    | Fitting-Grease      |
| 20     | 107-2942-03 | 1    | LH Spindle ASM      |

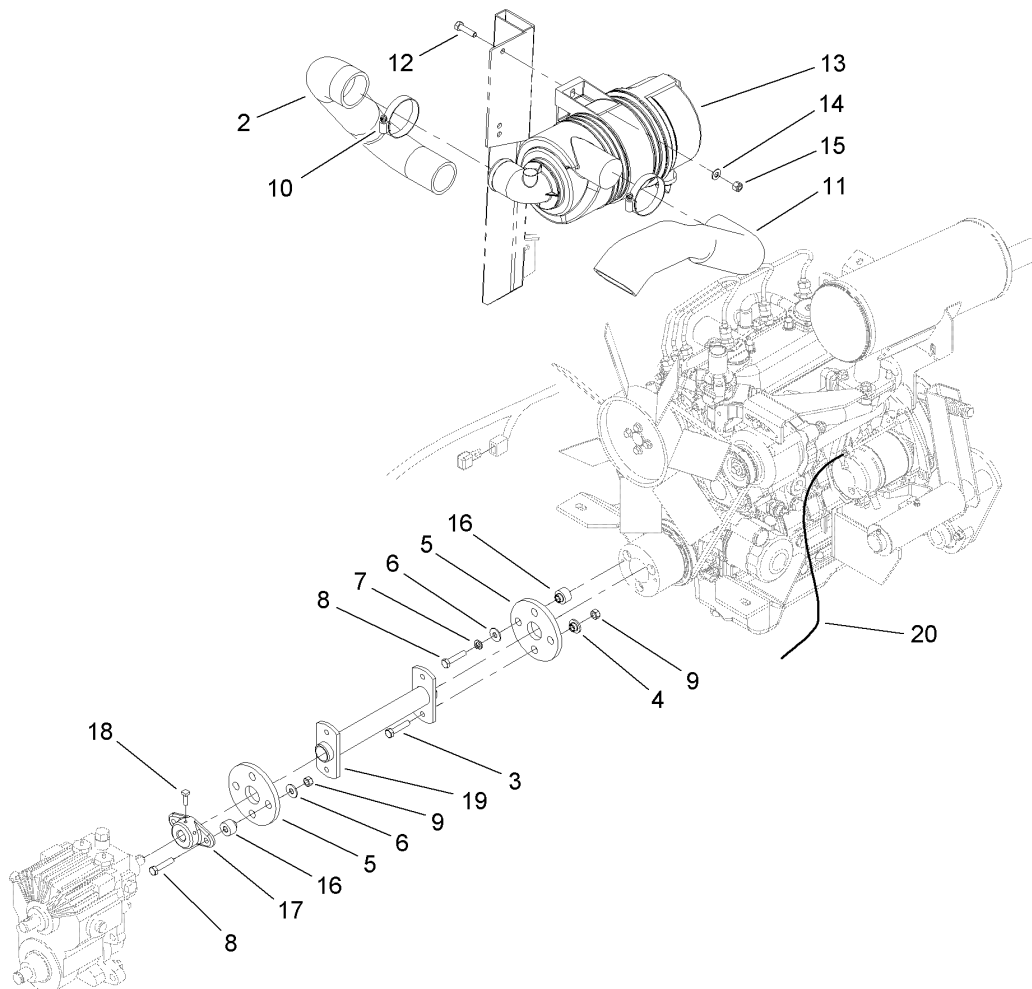
● Not serviced separately



## Steering Cylinder Assembly No. 115-4525

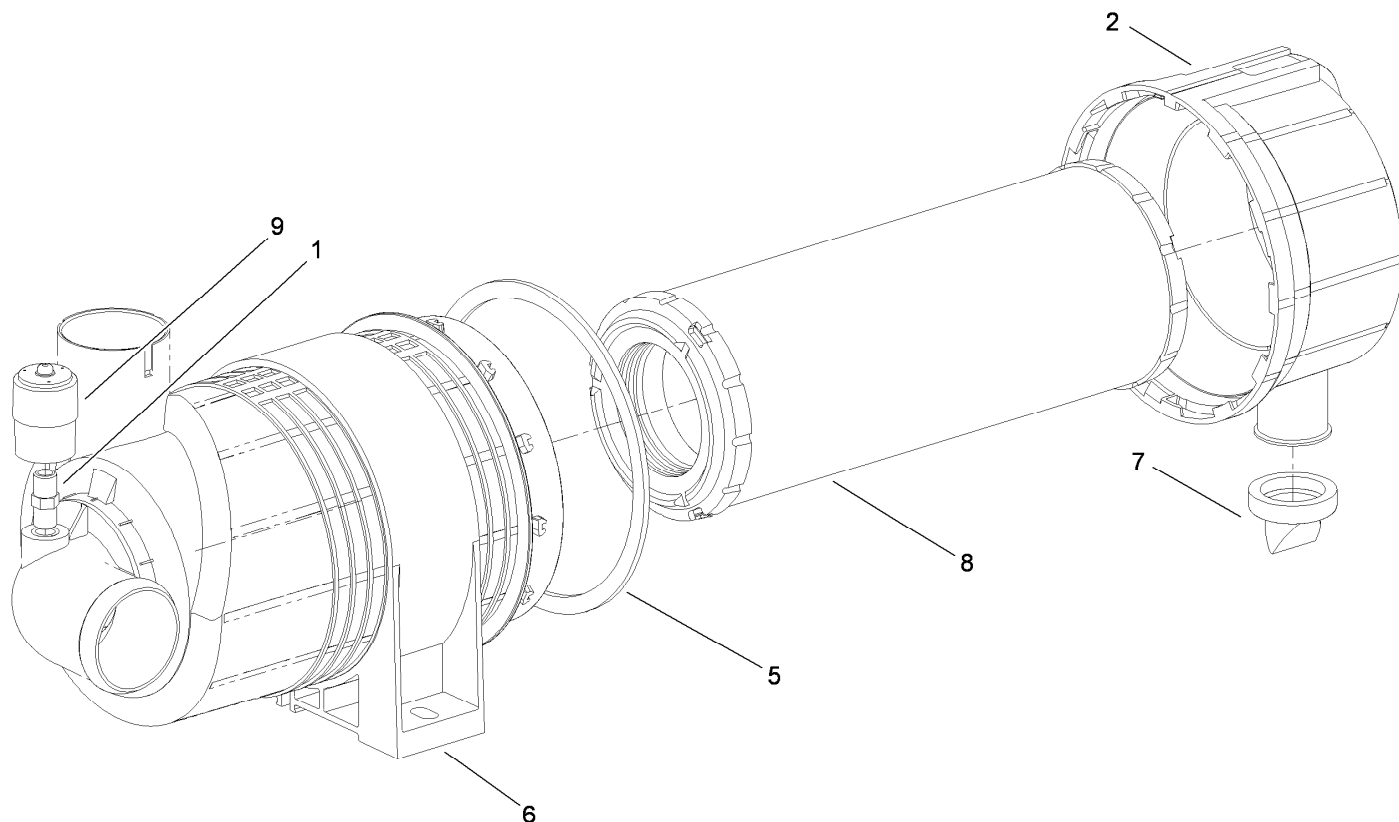
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    |             | 1    | Barrel Assembly ● |
| 2    |             | 1    | Shaft Assembly ●  |
| 3    |             | 1    | Piston ●          |
| 4    |             | 1    | Nut-Lock ●        |
| 5    |             | 1    | Head ●            |
| 6    | 115-4526    | 1    | Seal Kit          |
| 6:1  |             | 1    | Ring-Retaining ●  |
| 6:2  |             | 1    | Backup ●          |
| 6:3  |             | 1    | Bp Seal ●         |
| 6:4  |             | 1    | Bs-Seal ●         |
| 6:5  |             | 1    | Dust Seal - Dt ●  |
| 6:6  |             | 1    | Ring-Retaining ●  |
| 7    |             | 1    | Collar-Internal ● |
| 8    | 302-5       | 1    | Fitting-Grease    |
| 9    | 302-40      | 1    | Fitting-Grease    |

● Not serviced separately



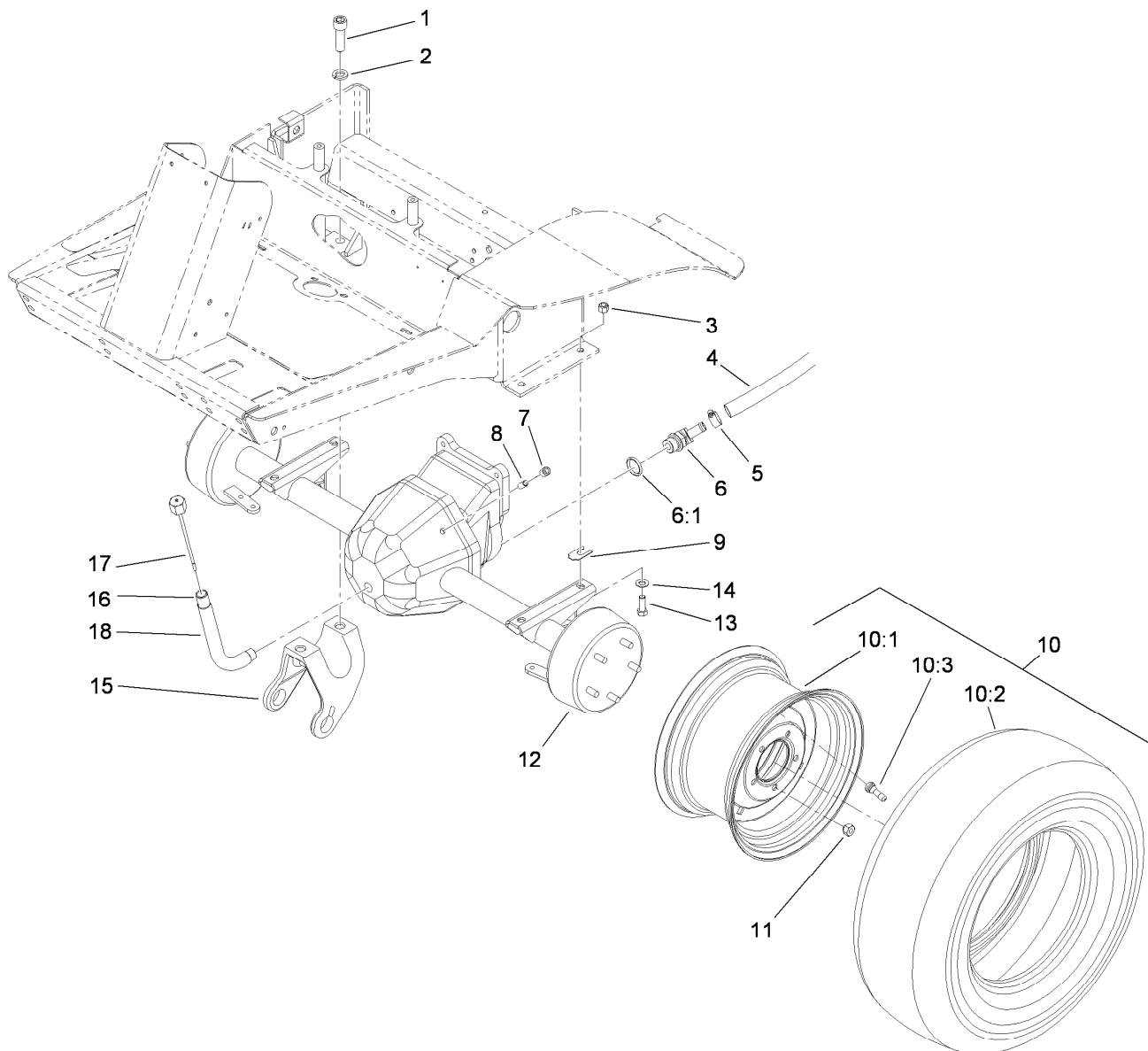
## Air Cleaner and Drive Coupling Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 2    | 104-3446    | 1    | Hose-Outlet, Air           |
| 3    | 3210-5      | 4    | Screw-HH                   |
| 4    | 27-6600     | 4    | Spacer-Coupling            |
| 5    | 115-4523    | 2    | Coupling-Rubber            |
| 6    | 3256-71     | 4    | Washer-Flat                |
| 7    | 3253-4      | 2    | Washer-Lock                |
| 8    | 3210-8      | 4    | Screw-HH                   |
| 9    | 32152-5     | 6    | Nut-Hex                    |
| 10   | 2412-42     | 3    | Clamp-Hose                 |
| 11   | 104-3444    | 1    | Hose-Inlet, Air            |
| 12   | 322-6       | 2    | Screw-HH                   |
| 13   | 104-3427    | 1    | Air Cleaner ASM            |
| 14   | 3256-23     | 2    | Washer-Flat                |
| 15   | 3296-29     | 2    | Nut-Lock, NI               |
| 16   | 27-6590     | 4    | Spacer-Coupling, Rubber    |
| 17   | 27-4370     | 1    | Hub-Pump                   |
| 18   | 3241-6      | 2    | Screw-SQH                  |
| 19   | 104-3401-03 | 1    | Drive Shaft ASM            |
| 20   | 99-3441     | 1    | Harness-Wire, Fusible Link |



## Air Cleaner Assembly No. 104-3427

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 105-4292    | 1    | Nipple-Pipe          |
| 2    | 104-0497    | 1    | Cover ASM            |
| 5    | 104-4897    | 1    | Gasket               |
| 6    | 98-4525     | 1    | Bracket-Cleaner, Air |
| 7    | 104-0498    | 1    | Valve-Vacuator       |
| 8    | 108-3810    | 1    | Filter-Air           |
| 9    | 93-9164     | 1    | Indicator-Mini       |

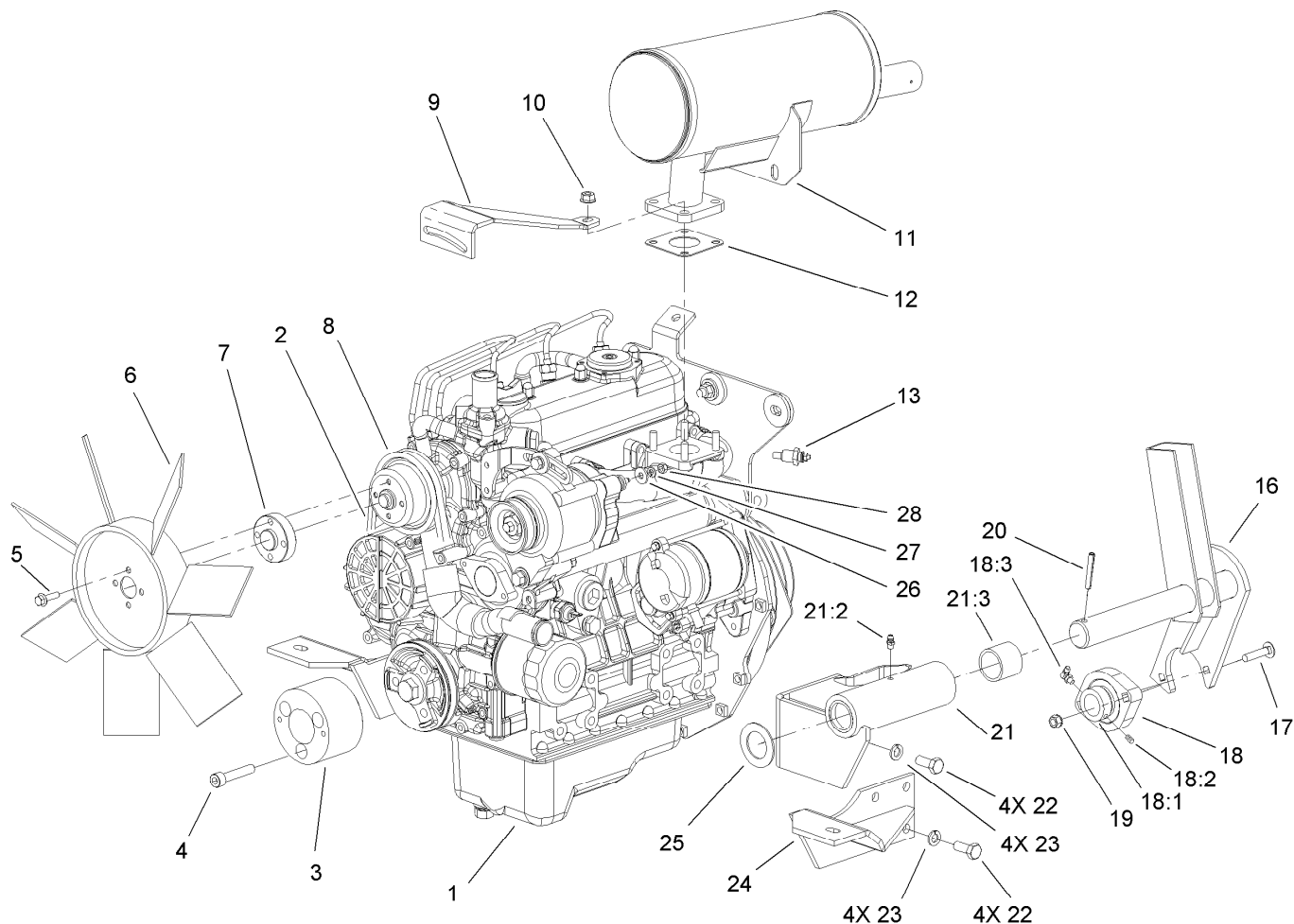


## Front Axle Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 3273-38     | 4    | Screw-HSH              |
| 2    | 3253-8      | 4    | Washer-Lock            |
| 3    | 3296-48     | 4    | Nut-Lock, NI           |
| 4    | 92-5083     | 1    | Hose-HYD               |
| 5    | 2412-119    | 1    | Clamp-Hose, Worm Drive |
| 6    | 92-5088     | 1    | Fitting-Elbow, 45 DEG  |
| 6:1  | 237-81      | 1    | O-Ring                 |
| 7    | 2810-1      | 1    | Coupling-Pipe          |
| 8    | 289-6       | 1    | Nipple-Pipe            |
| 9    | 42-6080     | 1    | Shim-Axle              |
| 10   |             | 2    | Wheel And Tire ASM ●   |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10:1 | 117-0822    | 1    | Wheel             |
| 10:2 | 117-0823    | 1    | Tire-Standard     |
| 10:3 | 232-27      | 1    | Stem-Valve        |
| 11   | 242-50      | 10   | Nut-Lug           |
| 12   | 108-6599-03 | 1    | Axle ASM          |
| 13   | 324-5       | 4    | Screw-HH          |
| 14   | 3256-25     | 4    | Washer-Flat       |
| 15   | 110-9678    | 2    | Bracket-Carrier   |
| 16   | 105-7169    | 1    | Tube-Fill, Oil    |
| 17   | 105-7172    | 1    | Dipstick ASM      |
| 18   | 110-5651    | 1    | Sleeve-Protective |

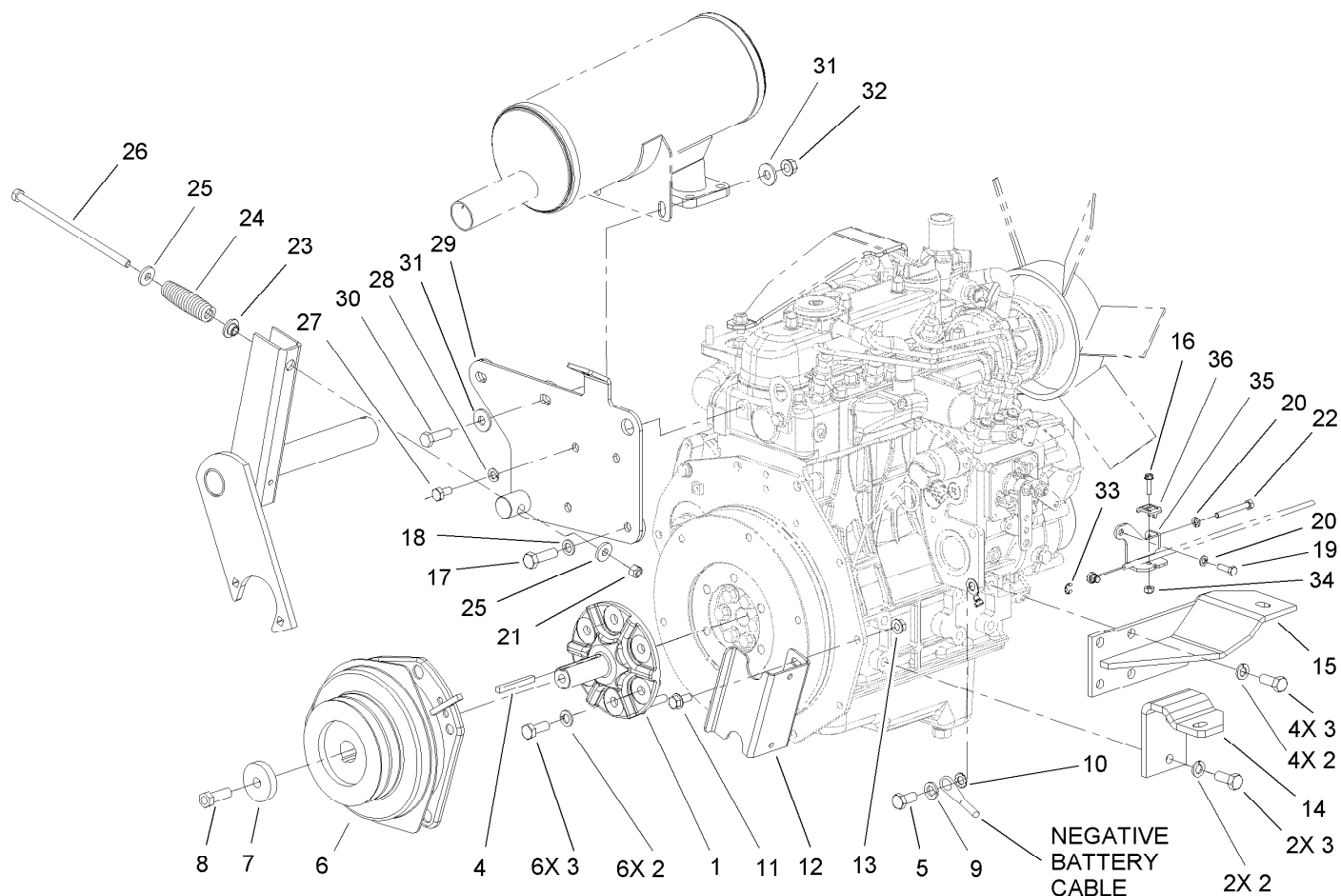
● Not serviced separately



## Engine, Fan and Muffler Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 114-2890    | 1    | Engine ASM              |
| 2    | 104-3494    | 1    | Belt-V                  |
| 3    | 104-1723    | 1    | Adapter-Front Drive     |
| 4    | 3274-106    | 3    | Screw-HSH               |
| 5    | 33103-020   | 4    | Screw-HHF               |
| 6    | 104-4246    | 1    | Fan-Engine              |
| 7    | 104-4247    | 1    | Spacer-Fan              |
| 8    | 104-3497    | 1    | Pulley-Fan              |
| 9    | 105-2556-03 | 1    | Brace-Alternator, Upper |
| 10   | 33004-00    | 4    | Nut-HF                  |
| 11   | 108-1363    | 1    | Muffler-Exhaust         |
| 12   | 98-9611     | 1    | Gasket                  |
| 13   | 108-8682    | 1    | Thermoswitch            |
| 16   | 106-4381-03 | 1    | PTO Tension Shaft ASM   |
| 17   | 3230-4      | 2    | Screw-CARR              |
| 18   | 92-8799     | 1    | Bearing-Flange          |

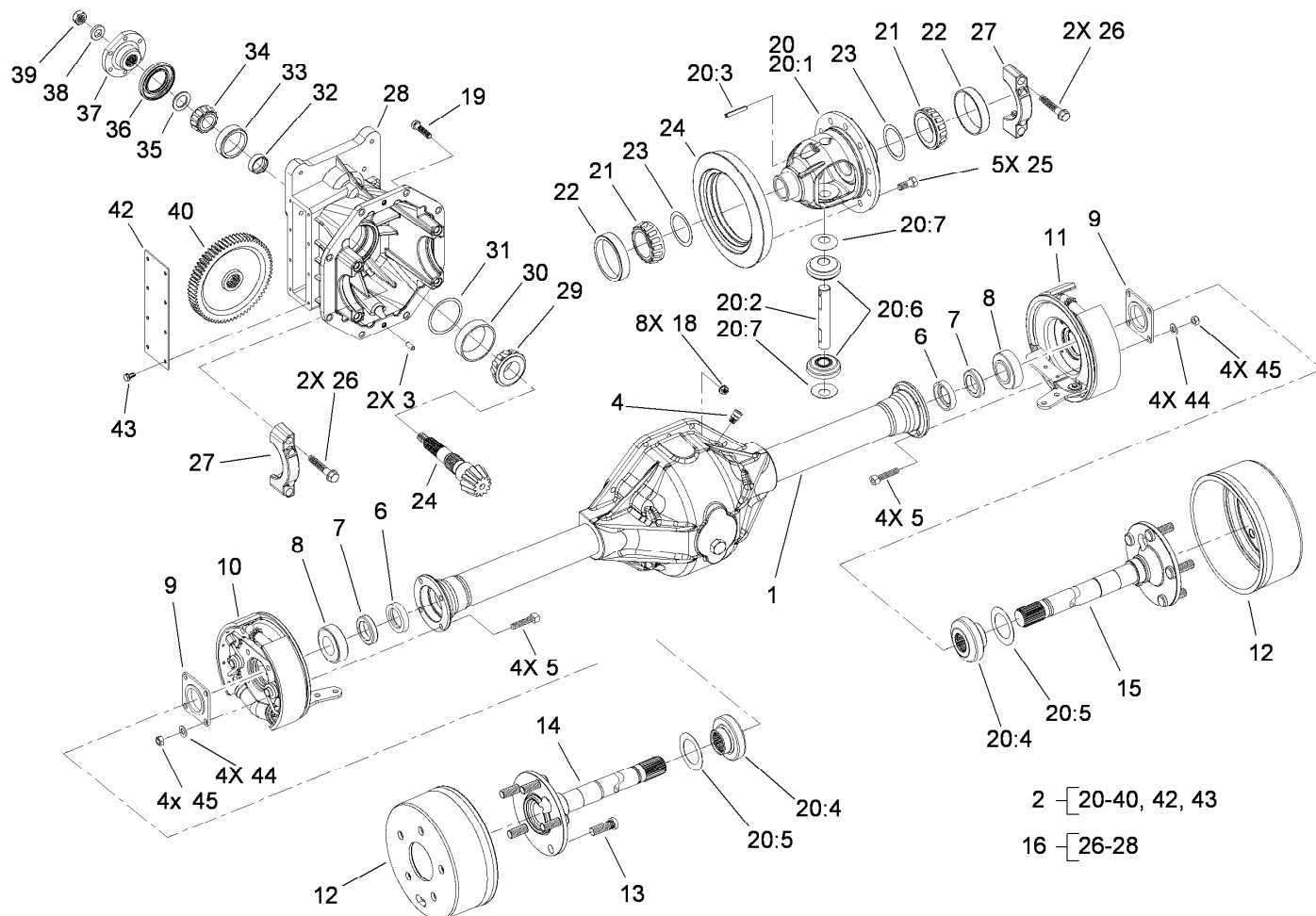
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 18:1 | 251-77      | 1    | Collar-Lock, Bearing      |
| 18:2 | 3245-35     | 1    | Screw-Set, HSH            |
| 18:3 | 302-40      | 1    | Fitting-Grease            |
| 19   | 32149-1     | 2    | Nut-Keps                  |
| 20   | 32121-32    | 1    | Pin-Roll                  |
| 21   | 117-0841    | 1    | LH Rear Engine Mount ASM  |
| 21:2 | 302-5       | 1    | Fitting-Grease            |
| 21:3 | 256-299     | 2    | Bushing-Straight          |
| 22   | 43-0090     | 8    | Screw-HH                  |
| 23   | 42-9600     | 8    | Washer-Lock, Spring       |
| 24   | 117-0831-03 | 1    | LH Front Engine Mount ASM |
| 25   | 3-4324      | 1    | Washer-Flat               |
| 26   | 3256-22     | 1    | Washer-Flat               |
| 27   | 43-5930     | 1    | Washer-Lock, Spring       |
| 28   | 33013-00    | 1    | Nut-Hex                   |



## Engine and Clutch Assembly

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 104-1715    | 1    | Hub-Clutch                  |
| 2    | 42-9600     | 12   | Washer-Lock, Spring         |
| 3    | 43-0090     | 12   | Screw-HH                    |
| 4    | 63-8150     | 1    | Key-Square                  |
| 5    | 63-7790     | 1    | Screw-Cap                   |
| 6    | 107-9061    | 1    | Electric Clutch / Brake ASM |
| 7    | 105-3698    | 1    | Spacer                      |
| 8    | 3212-5      | 1    | Screw-HH                    |
| 9    | 3253-6      | 1    | Washer-Lock                 |
| 10   | 3255-9      | 1    | Washer-Lock                 |
| 11   | 3234-5      | 2    | Screw-HHF                   |
| 12   | 108-6586-03 | 1    | Stop-Clutch                 |
| 13   | 32128-25    | 2    | Nut-HF                      |
| 14   | 104-1713-03 | 1    | Mount-Engine, RH Rear       |
| 15   | 117-0836-03 | 1    | RH Front Engine Mount ASM   |
| 16   | 32105-13    | 1    | Screw-HWH                   |
| 17   | 56-2140     | 2    | Screw-HH                    |
| 18   | 48-9590     | 2    | Washer-Lock                 |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 19   | 48-7630     | 1    | Screw              |
| 20   | 48-8020     | 2    | Washer-Spring      |
| 21   | 3296-29     | 1    | Nut-Lock, NI       |
| 22   | 33113-050   | 1    | Screw-HH           |
| 23   | 27-6600     | 1    | Spacer-Coupling    |
| 24   | 21-0400-01  | 1    | Spring-Compression |
| 25   | 4-2390      | 2    | Washer-Flat        |
| 26   | 110-9696    | 1    | Bolt-HH            |
| 27   | 33114-016   | 2    | Screw-HH           |
| 28   | 3253-4      | 2    | Washer-Lock        |
| 29   | 108-6561-03 | 1    | Muffler Mount ASM  |
| 30   | 323-44      | 2    | Screw-HH           |
| 31   | 80-6990     | 4    | Washer-Hardened    |
| 32   | 32128-21    | 2    | Nut-HF             |
| 33   | 701197      | 1    | E-Ring             |
| 34   | 3296-2      | 1    | Nut-Lock, NI       |
| 35   | 110-9682-03 | 1    | Bracket-Throttle   |
| 36   | 81-1690     | 1    | Clamp-Cable        |

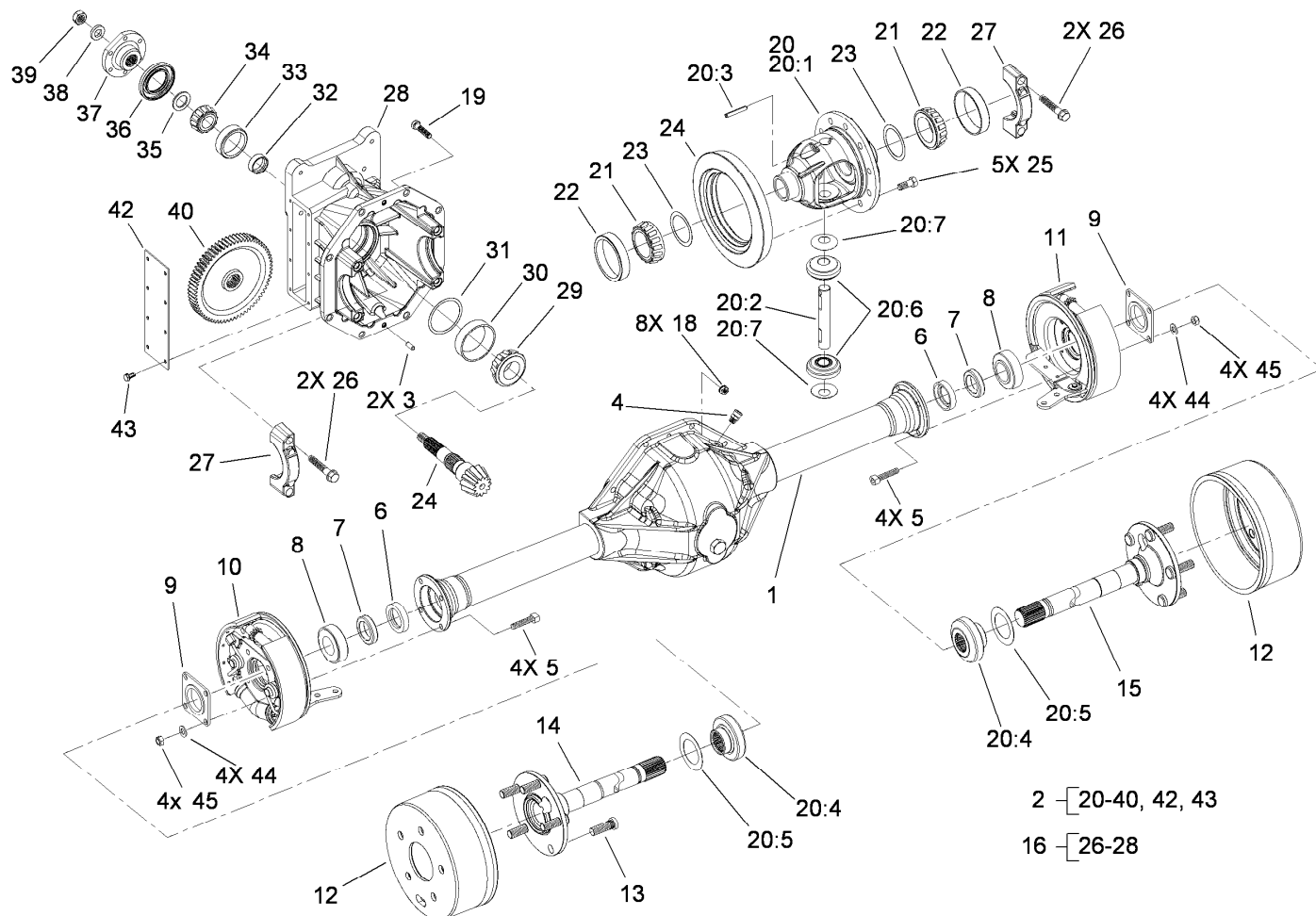


## Front Axle Assembly No. 108-6599-03

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 110-9670    | 1    | Lower Housing ASM             |
| 2    | 92-4907     | 1    | Differential Carrier ASM      |
| 3    | 21-8270     | 2    | Pin-Dowel                     |
| 4    | 72-9420     | 1    | Vent                          |
| 5    | 94-6934     | 8    | Screw-HH                      |
| 6    | 24-8840     | 2    | Ring-Retaining, Wheel Bearing |
| 7    | 99-6969     | 2    | Seal-Oil, Wheel End           |
| 8    | 21-8180     | 2    | Bearing ASM                   |
| 9    | 28-0670     | 2    | Seal-Grease                   |
| 10   |             | 1    | Brake ASM, RH ●               |
| 11   |             | 1    | Brake ASM, LH ●               |
| 12   | 110-3072    | 2    | Drum-Brake                    |
| 13   | 106-9205    | 10   | Stud-Wheel                    |
| 14   | 110-3073    | 1    | Shaft-Axle, RH                |
| 15   | 110-3074    | 1    | Shaft-Axle, LH                |
| 16   | 110-3076    | 1    | Carrier ASM                   |
| 18   | 32149-5     | 8    | Nut-Keps                      |
| 19   | 3210-8      | 8    | Screw-HH                      |
| 20   | 110-4136    | 1    | Differential Case ASM         |
| 20:1 | 21-7670     | 1    | Case-Differential             |
| 20:2 | 21-7700     | 1    | Shaft-Mate, Pinion            |
| 20:3 | 42150       | 1    | Pin-Lock, Pinion              |
| 20:4 | 110-3078    | 2    | Gear-Differential             |
| 20:5 | 110-3077    | 2    | Washer-Thrust                 |
| 20:6 | 110-3079    | 2    | Pinion-Differential           |

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 20:7 | 21-7730     | 2    | Washer-Thrust, Pinion             |
| 21   | 254-65      | 2    | Bearing-Roller, Cone              |
| 22   | 254-66      | 2    | Cup-Bearing, Roller               |
| 23   | 21-8090     | 1    | Shim-Bearing, Differential (.003) |
| 23   | 21-8100     | 1    | Shim-Bearing, Differential (.005) |
| 23   | 21-8110     | 1    | Shim-Bearing, Differential (.010) |
| 23   | 21-8120     | 1    | Shim-Bearing, Differential (.030) |
| 24   | 92-1676     | 1    | Gear And Pinion ASM               |
| 25   | 21-7770     | 5    | Screw-Gear, Drive                 |
| 26   | 92-1773     | 4    | Screw-HHF                         |
| 27   |             | 1    | Cap-Bearing ●                     |
| 28   |             | 1    | Housing ●                         |
| 29   | 43-6760     | 1    | Bearing-Roller, Cone Taper        |
| 30   | 43-6750     | 1    | Bearing-Taper, Cup                |
| 31   | 43-6713     | 1    | Shim-Pinion (.030)                |
| 31   | 43-6712     | 1    | Shim-Pinion (.010)                |
| 31   | 43-6711     | 1    | Shim-Pinion (.005)                |
| 31   | 43-6710     | 1    | Shim-Pinion (.003)                |
| 32   | 21-8020     | 1    | Spacer-Bearing                    |
| 33   | 254-90      | 1    | Bearing-Cup                       |
| 34   | 254-91      | 1    | Cone-Bearing                      |
| 35   | 72-3588     | 1    | Shim-Bearing, Front (.131)        |

● Not serviced separately

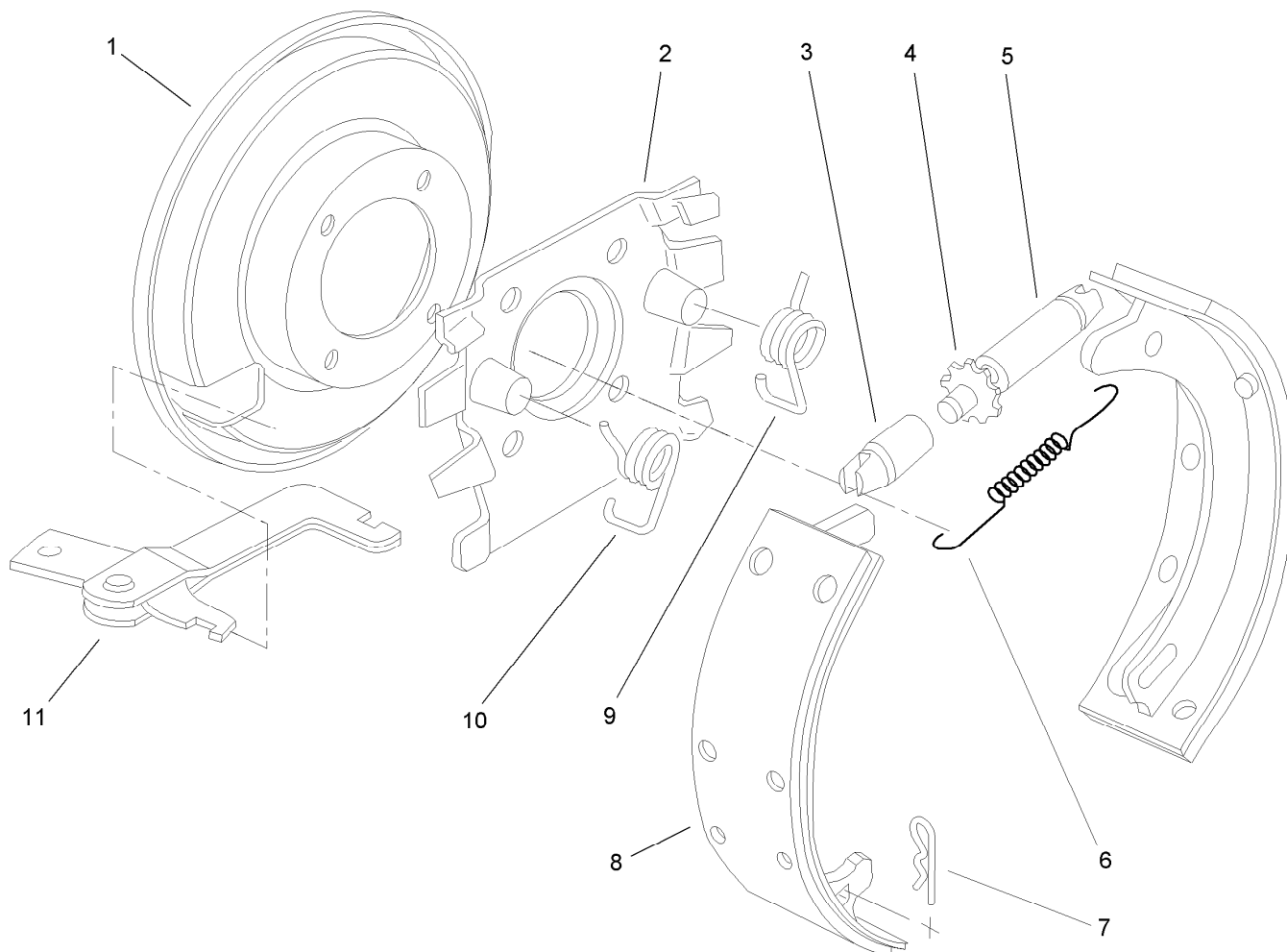


## Front Axle Assembly No. 108-6599-03 (continued)

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 35   | 72-3590     | 1    | Shim-Bearing, Front (.133) |
| 35   | 72-3587     | 1    | Shim-Bearing, Front (.129) |
| 35   | 72-3594     | 1    | Shim-Bearing, Front (.141) |
| 35   | 72-3595     | 1    | Shim-Bearing, Front (.143) |
| 35   | 72-3596     | 1    | Shim-Bearing, Front (.145) |
| 35   | 72-3597     | 1    | Shim-Bearing, Front (.147) |
| 35   | 72-3598     | 1    | Shim-Bearing, Front (.149) |
| 35   | 72-3600     | 1    | Shim-Bearing, Front (.151) |
| 35   | 72-3578     | 1    | Shim-Bearing, Front (.110) |
| 35   | 72-3580     | 1    | Shim-Bearing, Front (.112) |
| 35   | 72-3577     | 1    | Shim-Bearing, Front (.108) |
| 35   | 72-3576     | 1    | Shim-Bearing, Front (.106) |
| 35   | 72-3575     | 1    | Shim-Bearing, Front (.104) |
| 35   | 72-3574     | 1    | Shim-Bearing, Front (.102) |
| 35   | 72-3573     | 1    | Shim-Bearing, Front (.100) |
| 35   | 72-3572     | 1    | Shim-Bearing, Front (.098) |
| 35   | 72-3571     | 1    | Shim-Bearing, Front (.096) |
| 35   | 72-3570     | 1    | Shim-Bearing, Front (.094) |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 35   | 72-3593     | 1    | Shim-Bearing, Front (.139) |
| 35   | 72-3592     | 1    | Shim-Bearing, Front (.137) |
| 35   | 72-3591     | 1    | Shim-Bearing, Front (.135) |
| 35   | 72-3581     | 1    | Shim-Bearing, Front (.114) |
| 35   | 72-3582     | 1    | Shim-Bearing, Front (.116) |
| 35   | 72-3583     | 1    | Shim-Bearing, Front (.118) |
| 35   | 72-3584     | 1    | Shim-Bearing, Front (.120) |
| 35   | 72-3585     | 1    | Shim-Bearing, Front (.125) |
| 35   | 72-3586     | 1    | Shim-Bearing, Front (.127) |
| 36   | 71-4330     | 1    | Seal                       |
| 37   | 68-7010     | 1    | Flange                     |
| 38   | 71-4340     | 1    | Washer                     |
| 39   | 71-4350     | 1    | Nut                        |
| 40   | 86-7230     | 1    | Gear-Input, Transmission   |
| 42   | 21-7830     | 1    | Cover-Gear                 |
| 43   | 32144-112   | 8    | Screw-HWH                  |
| 44   | 94-6936     | 8    | Washer-Hardened            |
| 45   | 94-6935     | 8    | Locknut                    |

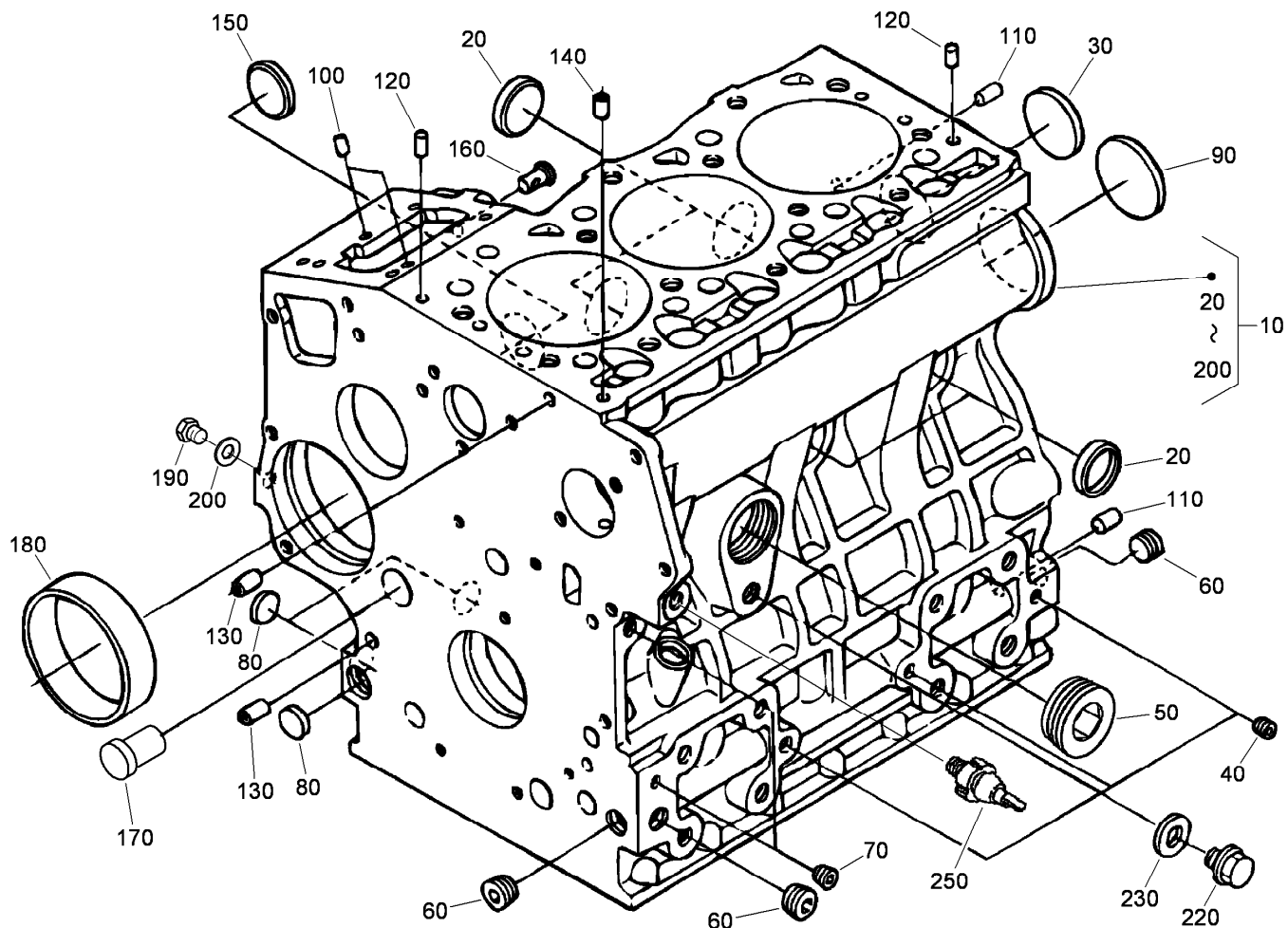
● Not serviced separately



## Right and Left Hand Brake Assembly

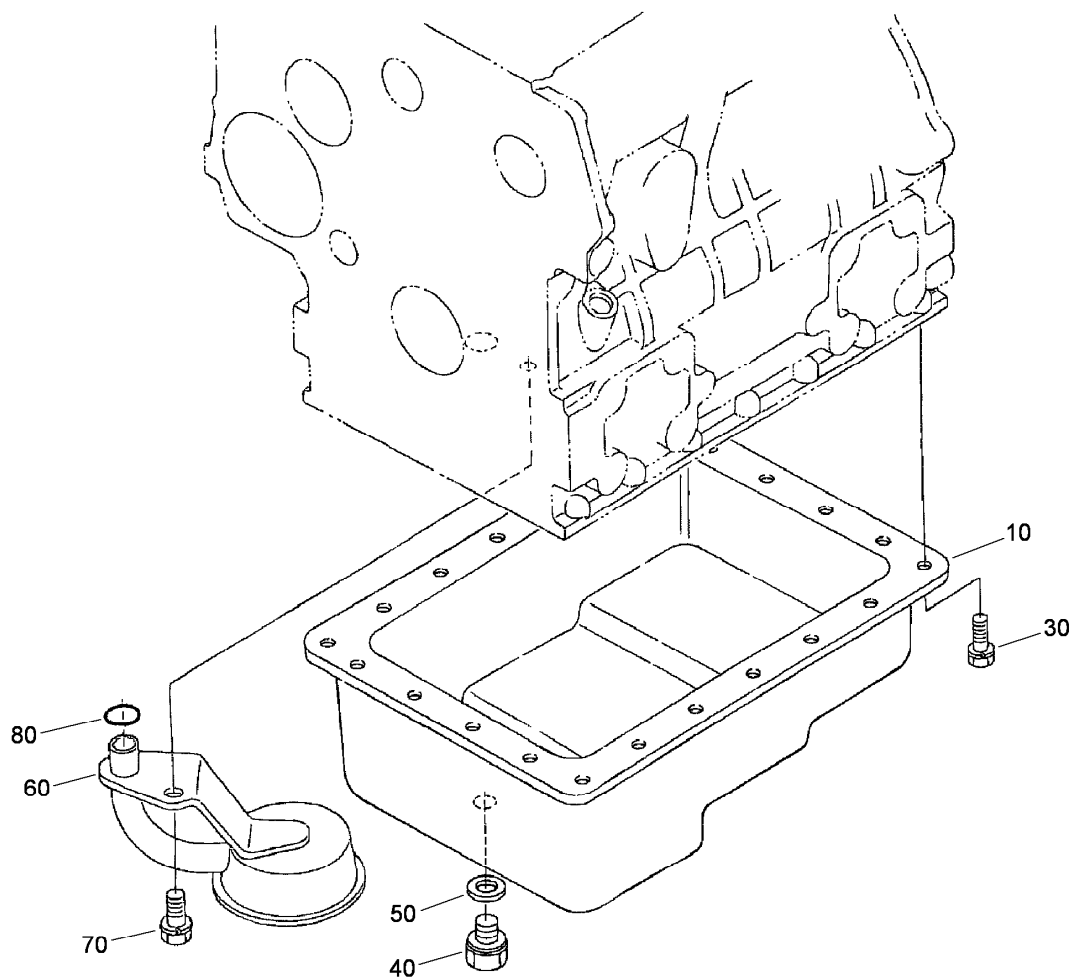
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 21-9450     | 1    | Shield-Dust             |
| 2    | 43-6810     | 1    | Spider-Torque           |
| 3    | 21-9390     | 1    | Socket-Screw, Adjusting |
| 4    | 21-9370     | 1    | Screw-Adjusting         |
| 5    | 21-9380     | 1    | Nut-Pivot               |
| 6    | 21-9440     | 1    | Spring-Screw, Adjusting |
| 7    | 21-9460     | 2    | Retainer-Lever, Brake   |
| 8    | 84-8600     | 1    | Set-Shoes, Lined        |
| 9    | 21-9430     | 1    | Spring-Return, RH       |
| 10   | 21-9420     | 1    | Spring-Return, LH       |
| 11   | 24-9180     | 1    | Strut And Lever ASM     |
| 12   | 92-8775     | 1    | Liquid Gasket Kit ●     |

● Not illustrated



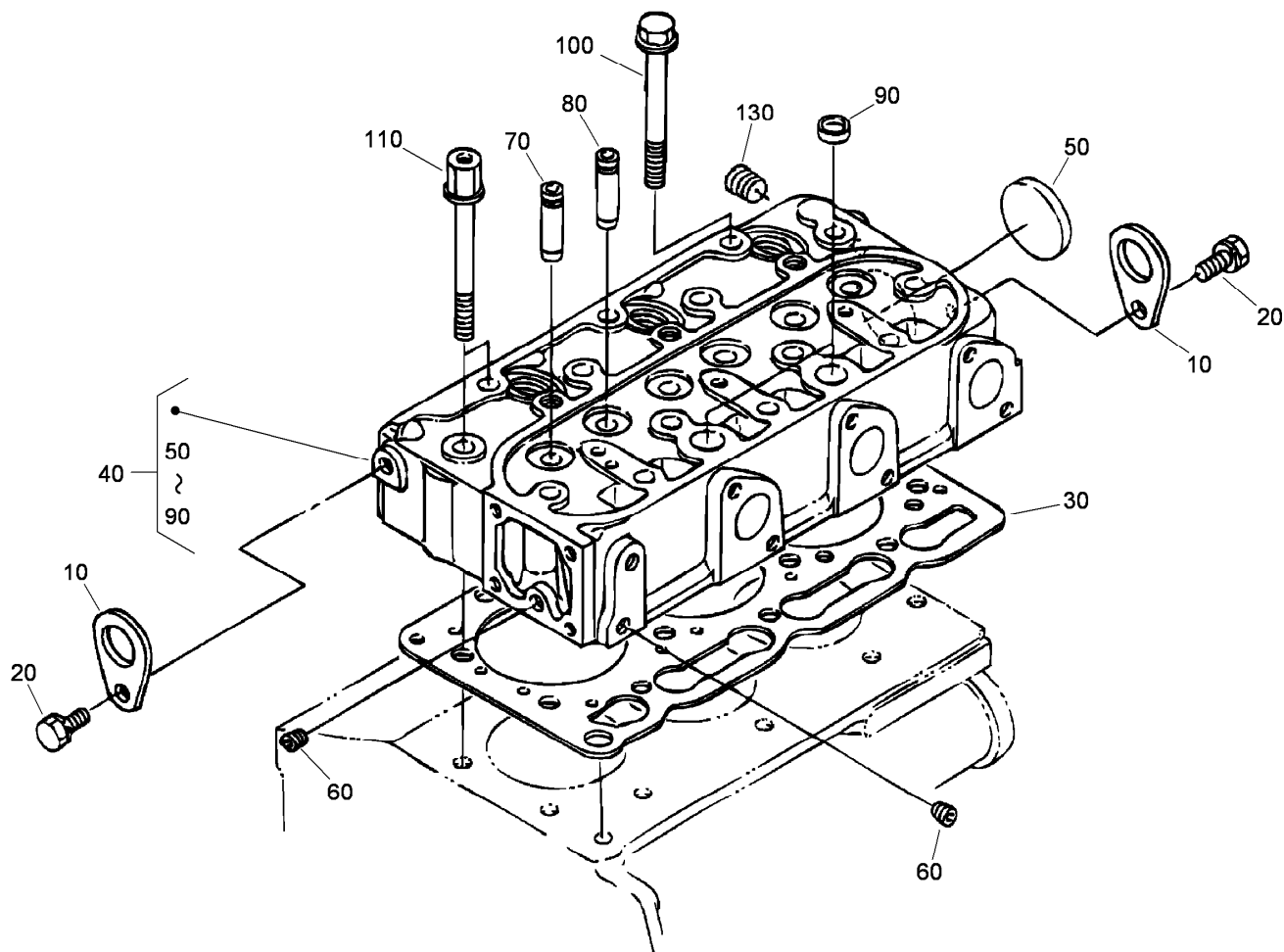
## Crankcase Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 108-6571    | 1    | Crankcase ASM          |
| 20   | 98-9398     | 4    | Cap-Sealing            |
| 30   | 98-7539     | 1    | Cap-Sealing            |
| 40   | 98-9687     | 3    | Plug                   |
| 50   | 105-3779    | 1    | Plug                   |
| 60   | 98-9597     | 3    | Plug                   |
| 70   | 98-7487     | 2    | Plug                   |
| 80   | 98-9379     | 3    | Plug-Expansion         |
| 90   | 98-9668     | 1    | Plug-Expansion         |
| 100  | 98-9375     | 2    | Pin-Straight           |
| 110  | 98-9377     | 2    | Pin-Straight           |
| 120  | 98-7504     | 2    | Pin-Straight           |
| 130  | 98-9387     | 2    | Pin-Pipe               |
| 140  | 98-9539     | 1    | Pin-Pipe               |
| 150  | 98-9599     | 1    | Plug                   |
| 160  | 98-9630     | 1    | Pin-Spring, Start      |
| 170  | 98-9675     | 1    | Plug                   |
| 180  | 98-9656     | 1    | Bushing-Governor, Gear |
| 190  | 98-7507     | 1    | Plug                   |
| 200  | 98-7428     | 1    | Gasket                 |
| 220  | 99-3447     | 1    | Plug                   |
| 230  | 106-7056    | 1    | Gasket                 |
| 250  | 98-9416     | 1    | Switch-Oil             |



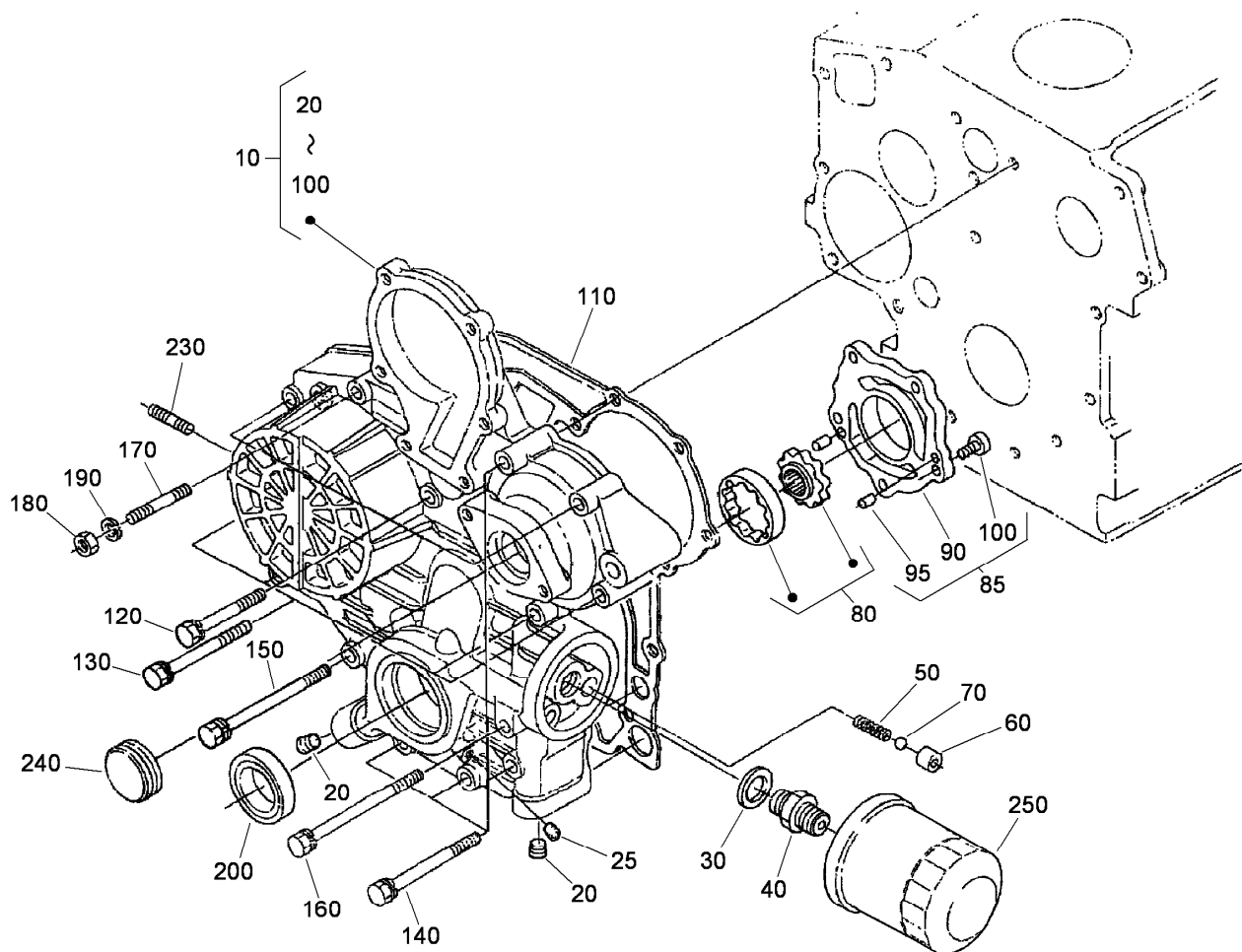
## Oil Pan Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 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

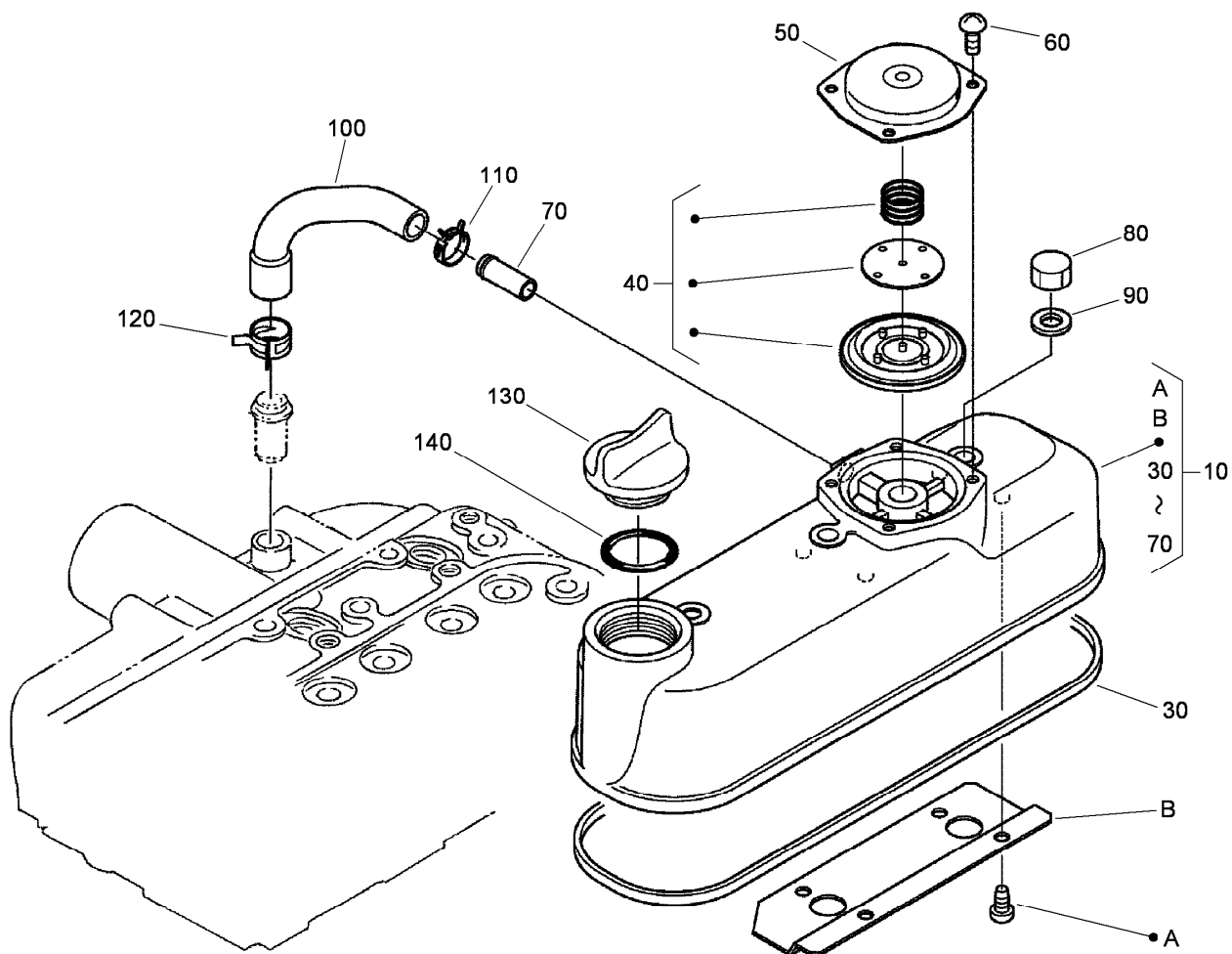
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 98-7531     | 2    | Hook-Engine             |
| 20   | 100-9195    | 2    | Bolt                    |
| 30   | 108-6573    | 1    | Gasket-Head, Cylinder   |
| 40   | 108-6574    | 1    | *obs* 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

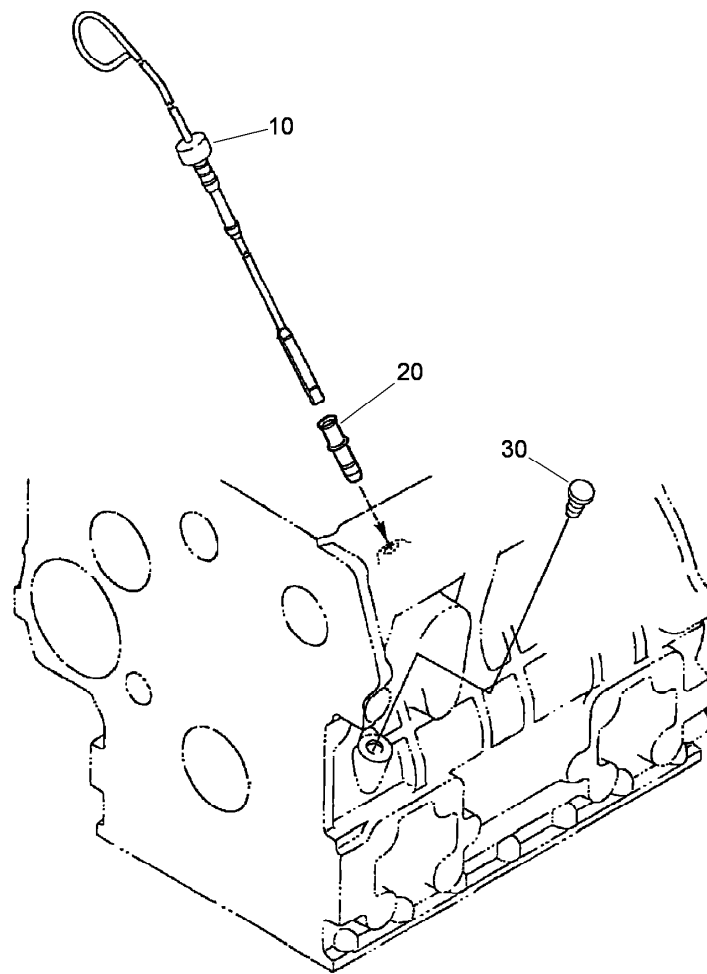
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-4105    | 1    | Gear Case ASM      |
| 20   | 98-9598     | 2    | Plug               |
| 25   | 98-7487     | 1    | Plug               |
| 30   | 98-7562     | 1    | Washer-Plain       |
| 40   | 98-9388     | 1    | Joint-Pipe         |
| 50   | 98-9544     | 1    | Spring             |
| 60   | 98-9543     | 1    | Seat-Valve         |
| 70   | 98-9380     | 1    | Ball               |
| 80   | 98-9540     | 1    | Oil Pump Rotor ASM |
| 85   | 115-4501    | 1    | Pump Cover ASM     |
| 90   | 107-9069    | 1    | Cover-Pump, Oil    |
| 95   | 107-9072    | 2    | Pin-Straight       |
| 100  | 107-9071    | 5    | Screw              |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 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              |
| 240  | 98-9641     | 1    | Cover-Case, Gear  |
| 250  | 108-3841    | 1    | Filter-Oil        |



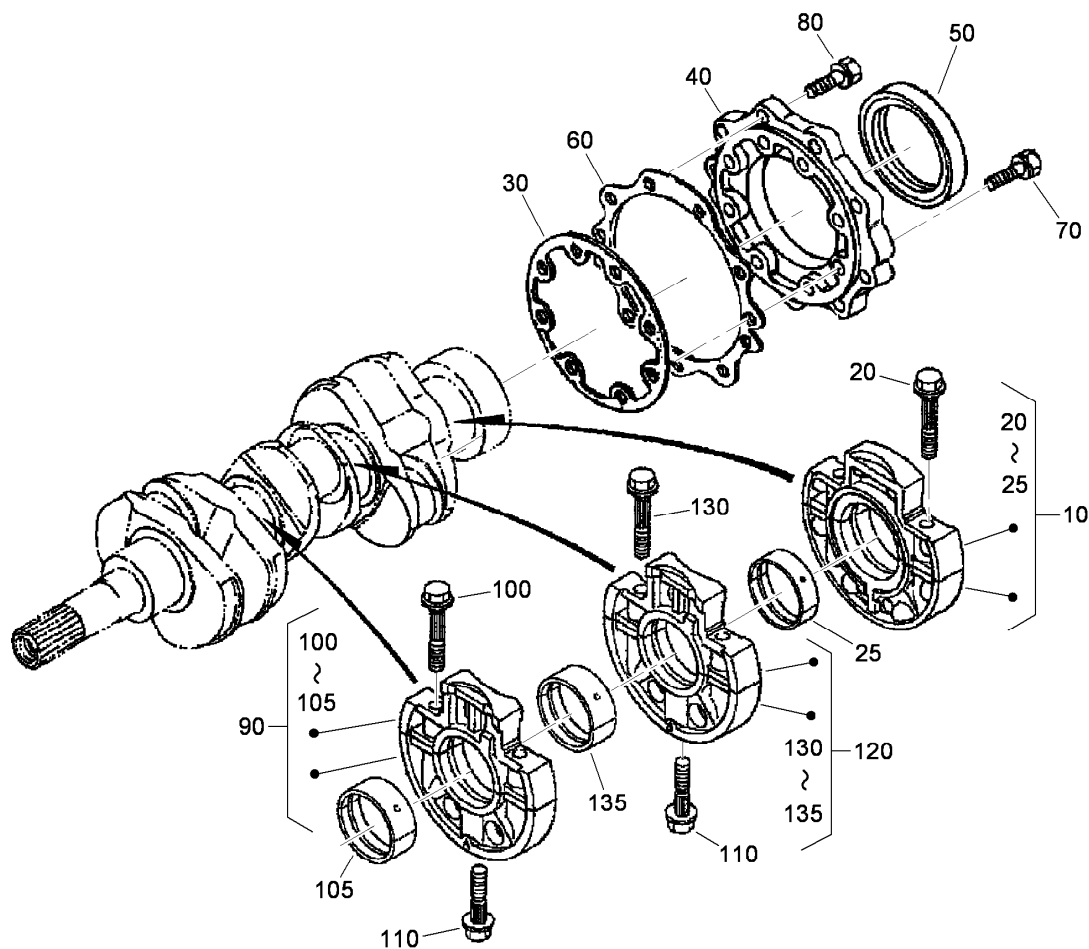
## Cylinder Head Cover Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 108-6575    | 1    | Cylinder Head Cover ASM |
| 30   | 98-9615     | 1    | Gasket-Cover, Head      |
| 40   | 108-2861    | 1    | Breather Valve ASM      |
| 50   | 110-3714    | 1    | Cover-Breather          |
| 60   | 98-9364     | 4    | Screw (With Washer)     |
| 70   | 98-7766     | 1    | Pipe-Return, Water      |
| 80   | 98-9455     | 3    | Nut-Cap                 |
| 90   | 98-9454     | 3    | Gasket                  |
| 100  | 108-2858    | 1    | Tube-Breather           |
| 110  | 108-2859    | 1    | Clamp-Hose              |
| 120  | 108-2860    | 1    | Clamp-Hose              |
| 130  | 107-9075    | 1    | Plug-Filler, Oil        |
| 140  | 99-3446     | 1    | O-Ring                  |



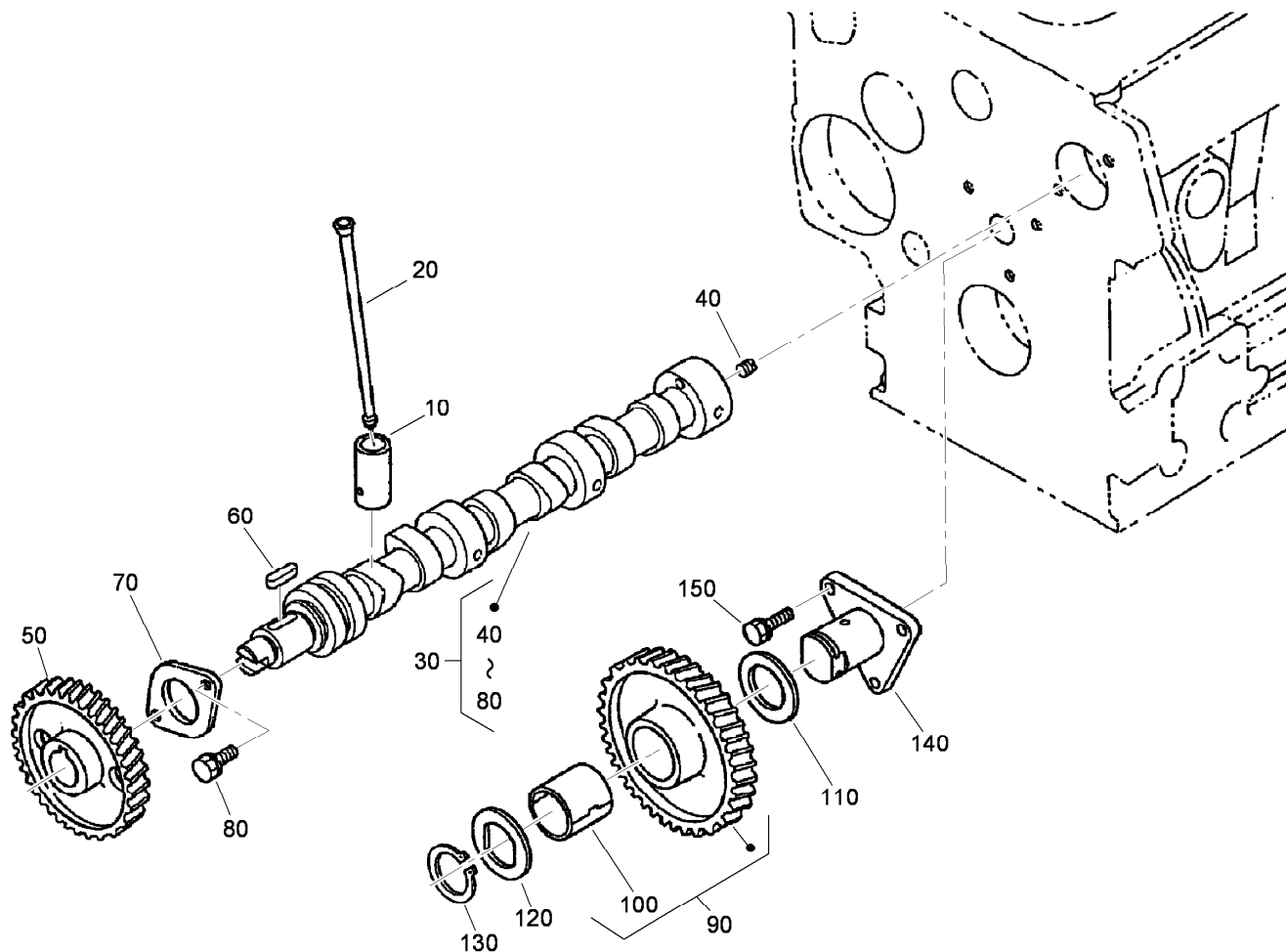
## Dipstick and Guide Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 107-9076           | 1           | Gauge-Oil          |
| 20          | 105-4580           | 1           | Guide-Gauge, Oil   |
| 30          | 110-3720           | 1           | Plug-Gauge, Oil    |



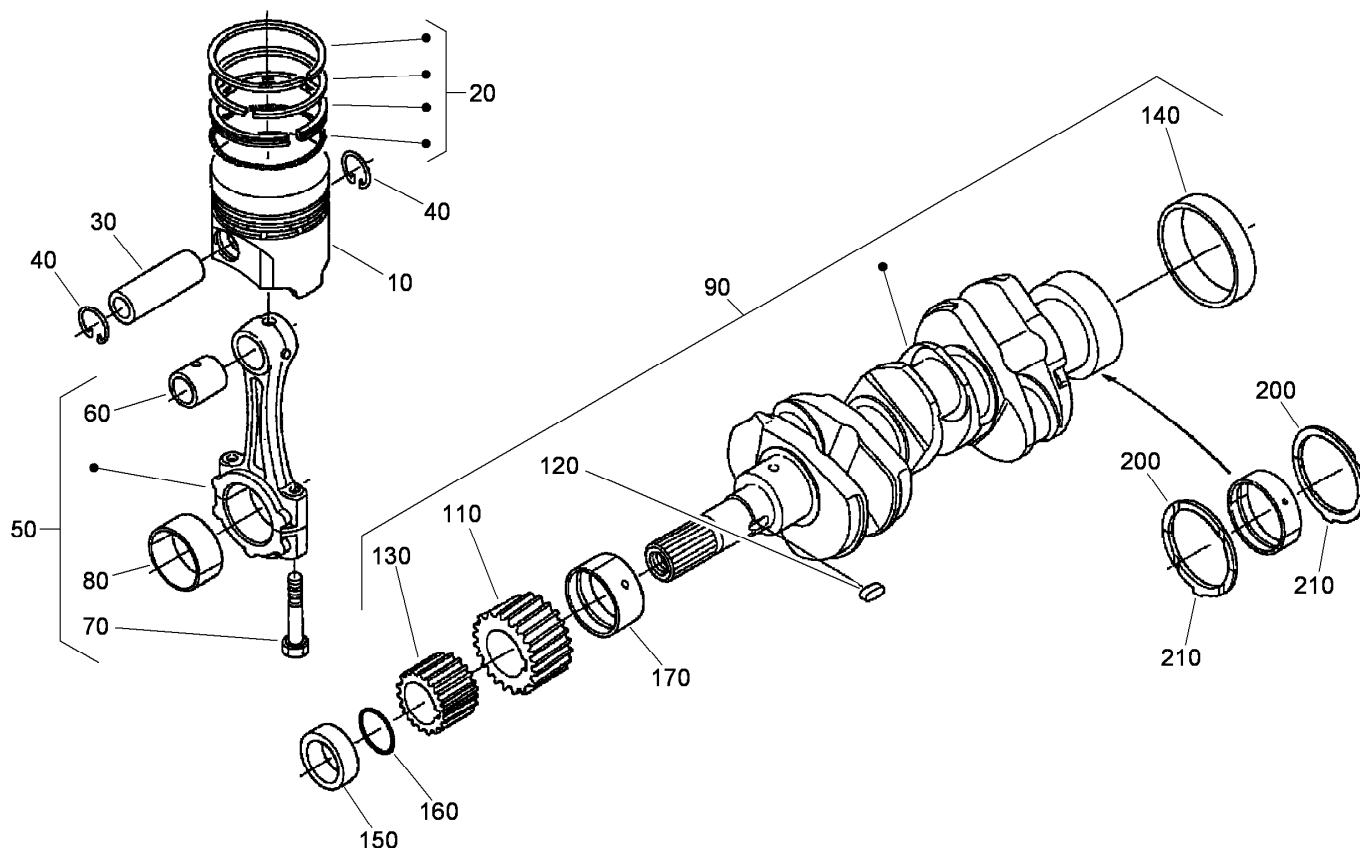
## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 10   | 112-7026    | 1    | Wheel Bearing Case ASM     |
| 20   | 98-9484     | 6    | Bolt-Case, Bearing         |
| 25   | 112-7006    | 1    | Bearing-Main (STD)         |
| 25   | 112-7007    | 1    | Metal-Crankshaft (.2Mm)    |
| 25   | 112-7008    | 1    | Metal-Crankshaft (.4Mm)    |
| 30   | 98-9634     | 1    | Gasket-Case, Bearing       |
| 40   | 98-9487     | 1    | Cover-Case, Bearing        |
| 50   | 112-0180    | 1    | Seal-Oil                   |
| 60   | 98-9635     | 1    | Gasket-Cover, Bearing Case |
| 70   | 98-9352     | 8    | Bolt                       |
| 80   | 98-7568     | 9    | Bolt                       |
| 90   | 115-4106    | 1    | Main Bearing Case ASM      |
| 100  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 105  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 105  | 98-9530     | 1    | Bearing-Main (0.2Mm)       |
| 105  | 98-9531     | 1    | Bearing-Main (0.4Mm)       |
| 110  | 98-9485     | 2    | Bolt-Case, Bearing         |
| 120  | 115-4107    | 1    | Main Bearing Case ASM      |
| 130  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 135  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 135  | 98-9530     | 1    | Bearing-Main (0.2Mm)       |
| 135  | 98-9531     | 1    | Bearing-Main (0.4Mm)       |



## Cam Shaft and Idle Gear Assembly

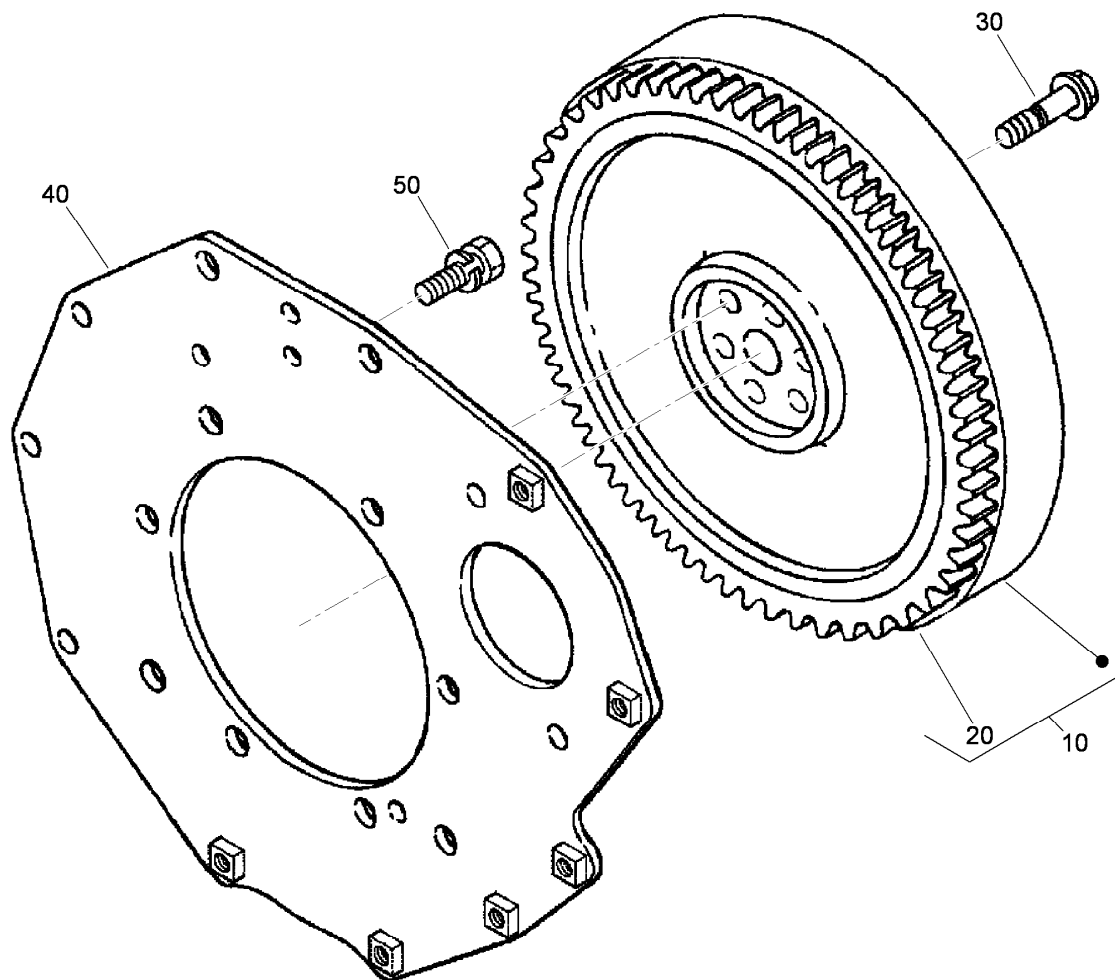
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 112-0185    | 6    | Tappet             |
| 20   | 98-9509     | 6    | Rod-Push           |
| 30   | 108-6576    | 1    | Camshaft ASM       |
| 40   | 98-7449     | 1    | Screw-Set          |
| 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    | Circlip-Gear, Idle |
| 140  | 98-9533     | 1    | Shaft-Gear, Idle   |
| 150  | 98-7692     | 3    | Bolt               |



## Piston and Crankshaft Assembly

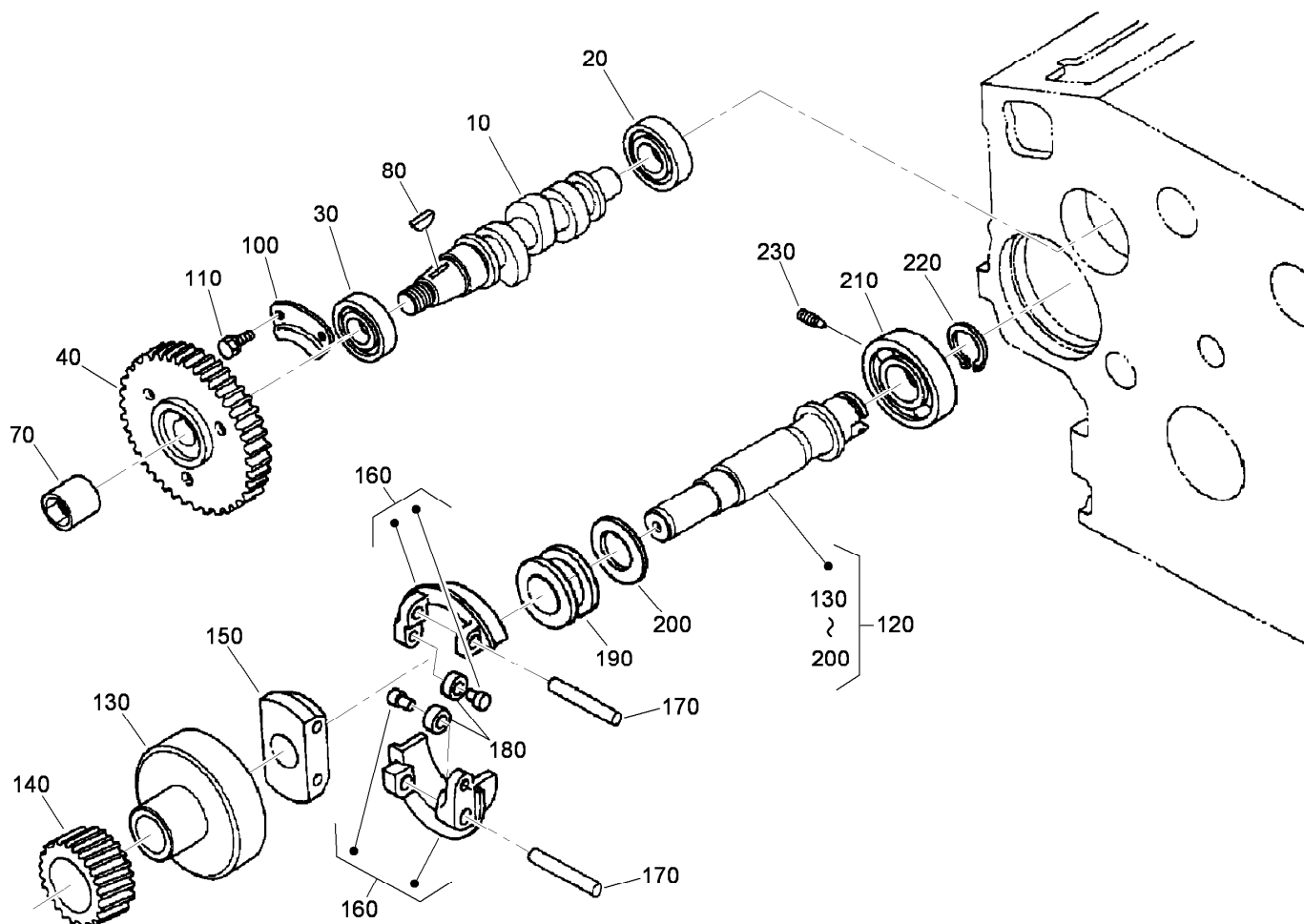
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 112-8415    | 3    | Piston ASM              |
| 10   | 112-8404    | 3    | Piston (STD)            |
| 20   | 98-9619     | 3    | Piston Ring ASM (0.5Mm) |
| 20   | 98-9618     | 3    | Piston Ring ASM (STD)   |
| 30   | 98-9513     | 3    | Pin-Piston              |
| 40   | 98-9514     | 6    | Circlip-Pin, Piston     |
| 50   | 115-3013    | 3    | Connecting Rod ASM      |
| 60   | 115-3014    | 3    | Bushing-Pin, Piston     |
| 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         |

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



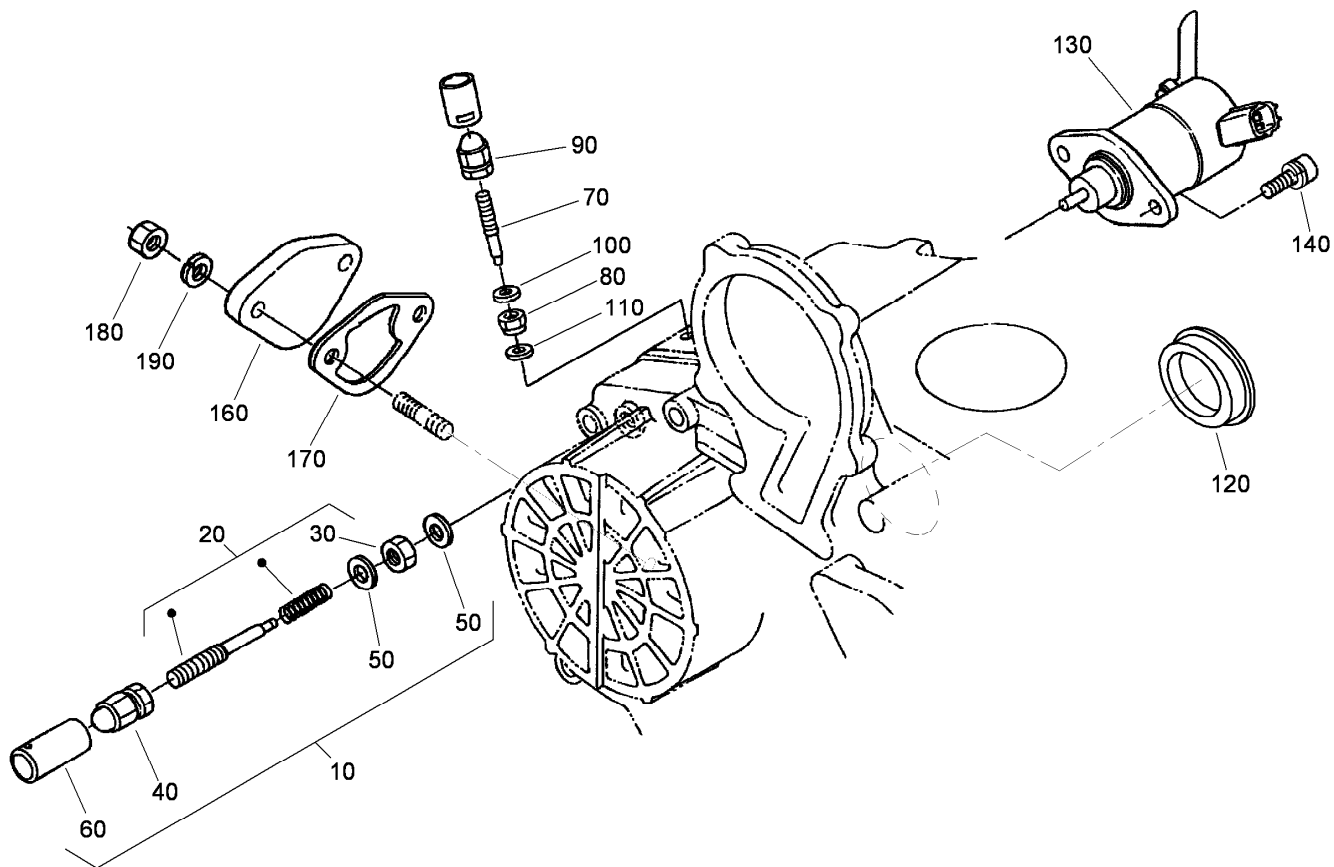
## Flywheel Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 105-3784           | 1           | Flywheel ASM       |
| 20          | 115-3015           | 1           | Gear-Ring          |
| 30          | 98-9537            | 6           | Bolt-Flywheel      |
| 40          | 98-9486            | 1           | Plate-End, Rear    |
| 50          | 98-9392            | 8           | Bolt               |



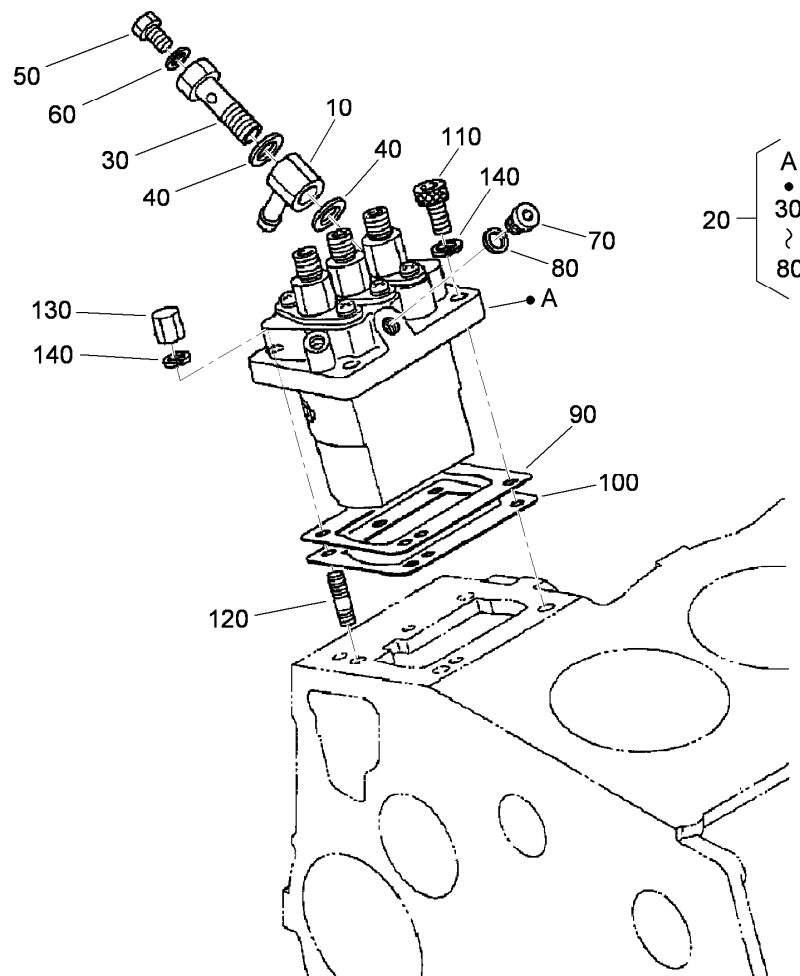
## Fuel Camshaft and Governor Shaft Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 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    | Circlip-Shaft, Governor |
| 230  | 98-9565     | 1    | Screw-Set               |



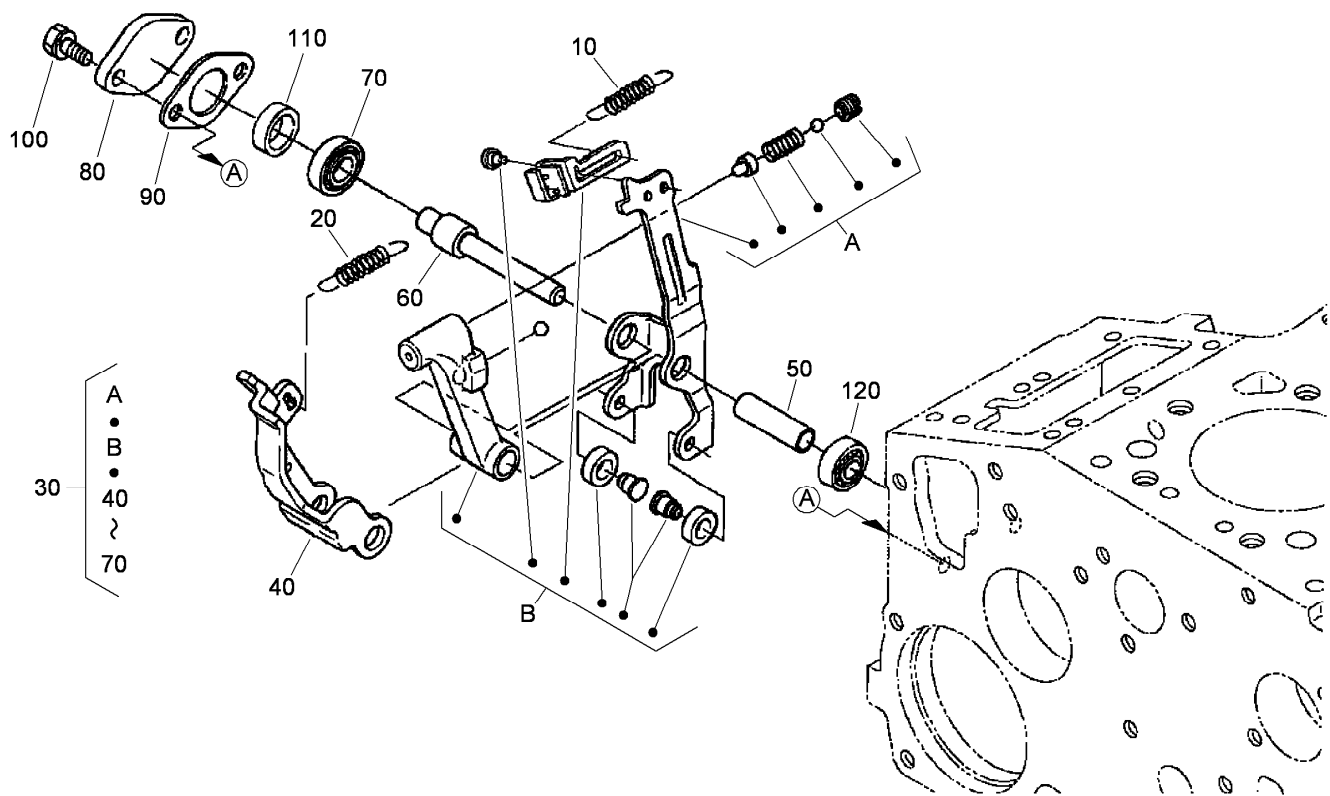
## Idle Apparatus and Stop Solenoid Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-9678     | 1    | Idle Apparatus ASM |
| 20   | 112-7014    | 1    | Adjusting Bolt ASM |
| 30   | 98-9439     | 1    | Nut                |
| 40   | 112-0181    | 1    | Nut                |
| 50   | 98-7654     | 2    | Gasket             |
| 60   | 98-7656     | 1    | Cap                |
| 70   | 112-7015    | 1    | Bolt-Adjusting     |
| 80   | 99-3512     | 1    | Nut                |
| 90   | 112-0181    | 1    | Nut                |
| 100  | 98-7654     | 1    | Gasket             |
| 110  | 107-9081    | 1    | Gasket             |
| 120  | 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      |



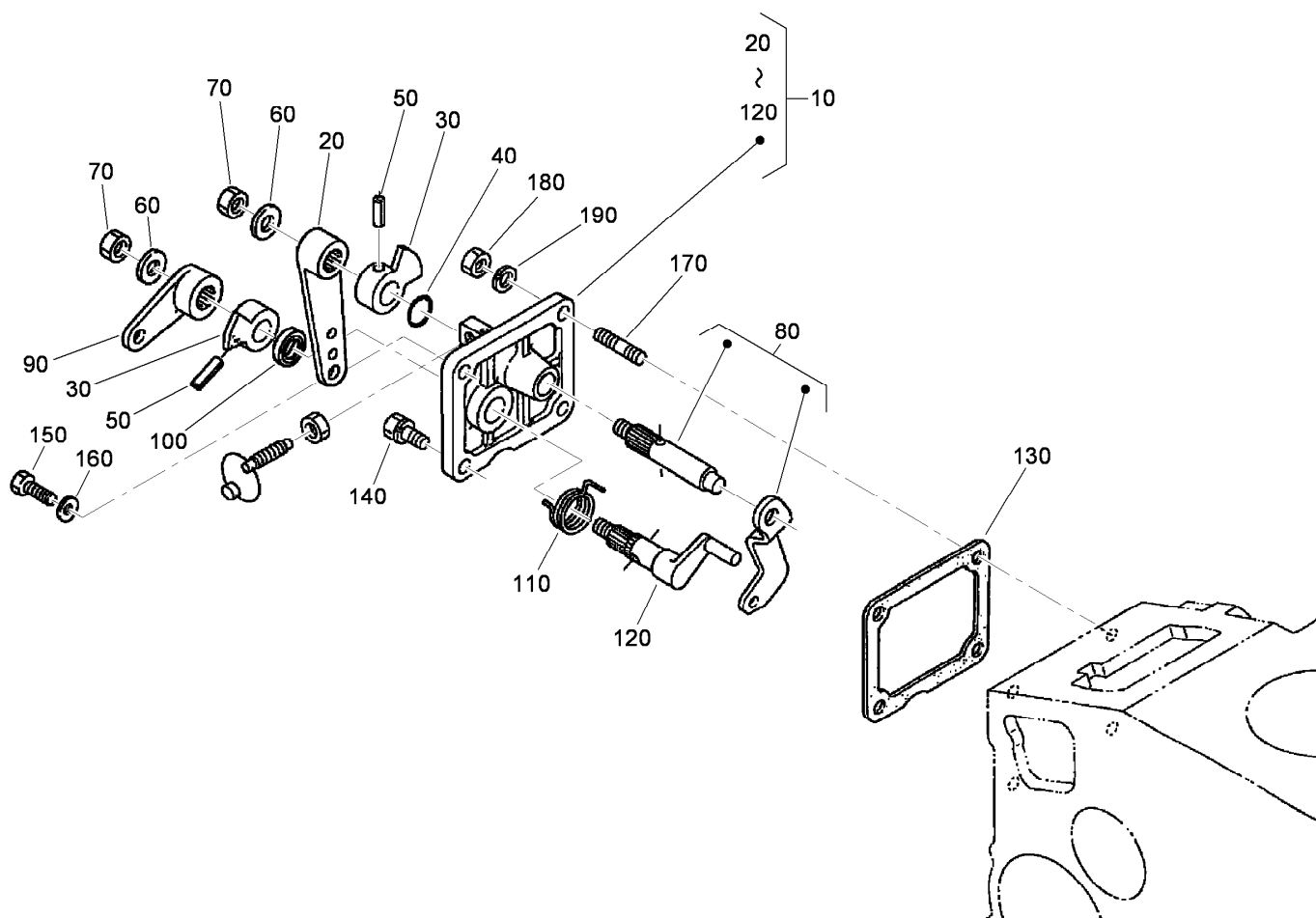
## Injection Pump Assembly

| Ref. | Part Number | 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            |



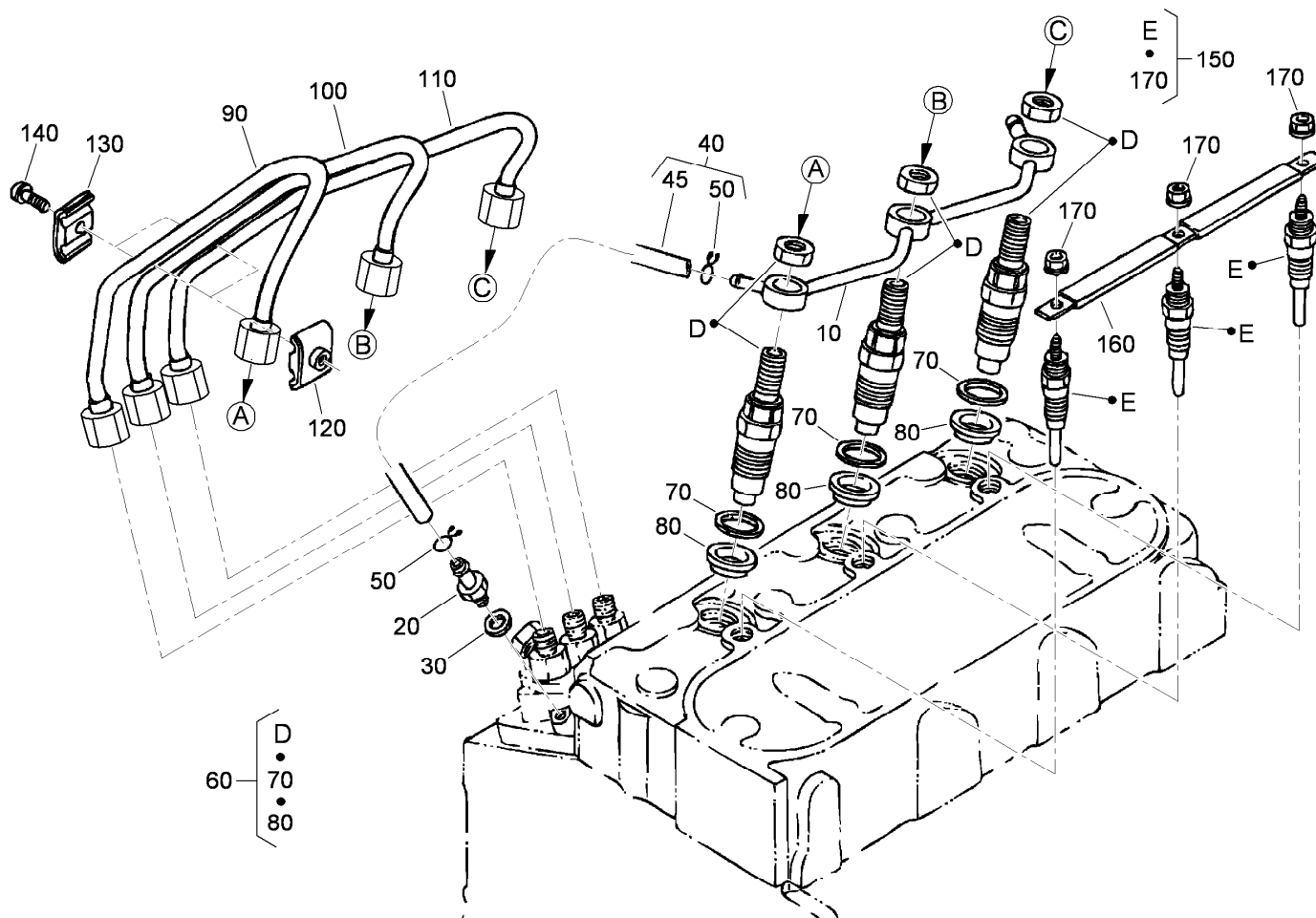
## Governor Assembly

| Ref. | Part Number | 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     |



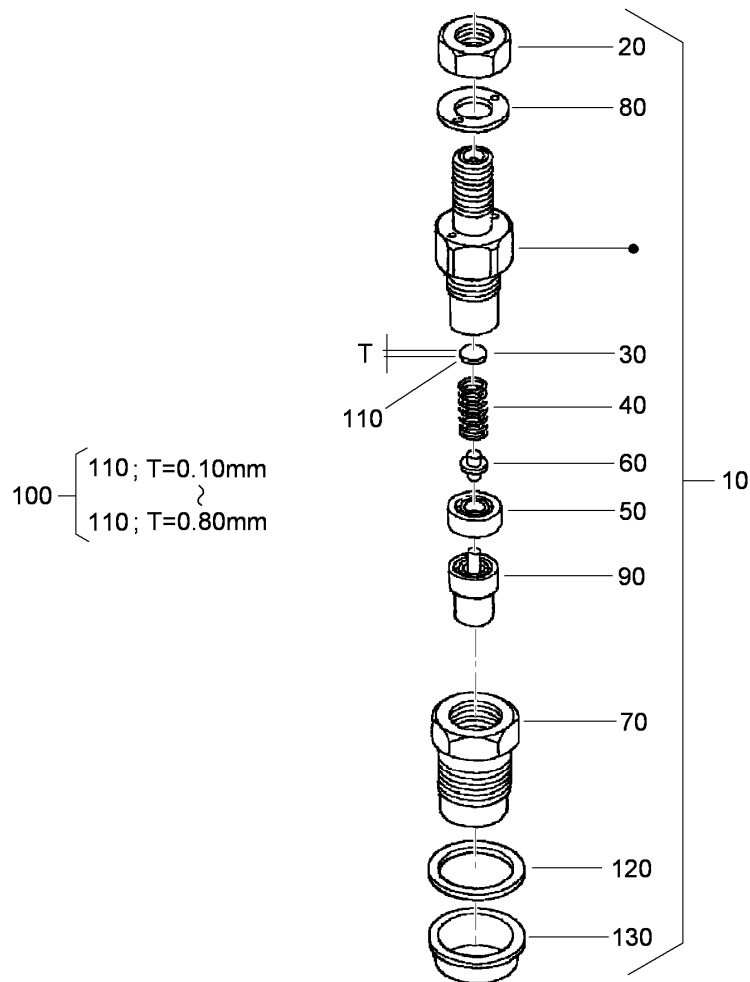
## Speed Control Plate Assembly

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



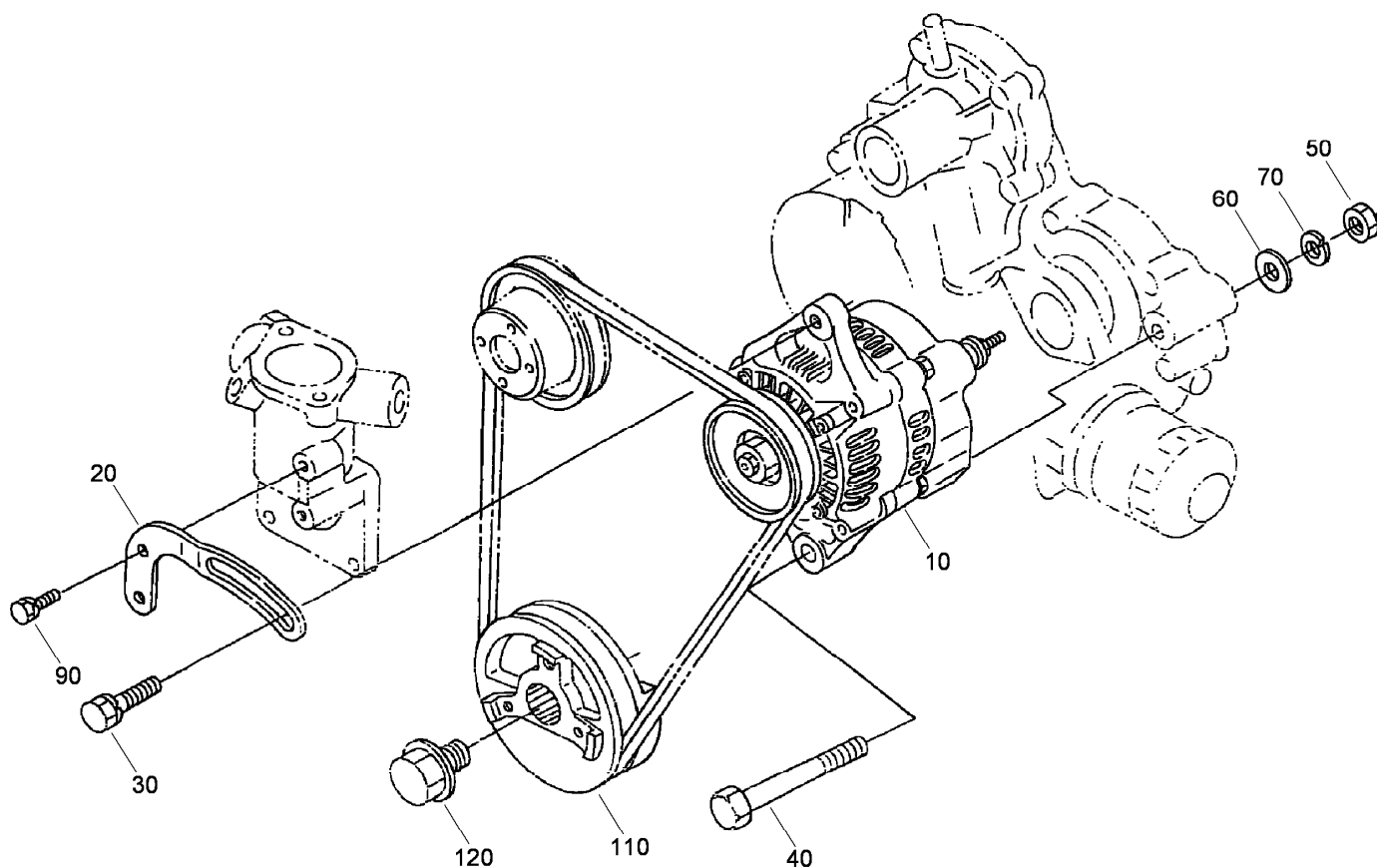
## Nozzle Holder and Glow Plug Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-9620     | 1    | Overflow Pipe ASM  |
| 20   | 98-9431     | 1    | Screw-Bleeder, Air |
| 30   | 98-7654     | 1    | Gasket             |
| 40   | 98-9420     | 1    | Overflow Pipe ASM  |
| 45   | 112-0182    | 1    | Pipe-Overflow      |
| 50   | 98-7671     | 2    | Clip-Pipe          |
| 60   | 108-2866    | 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         |



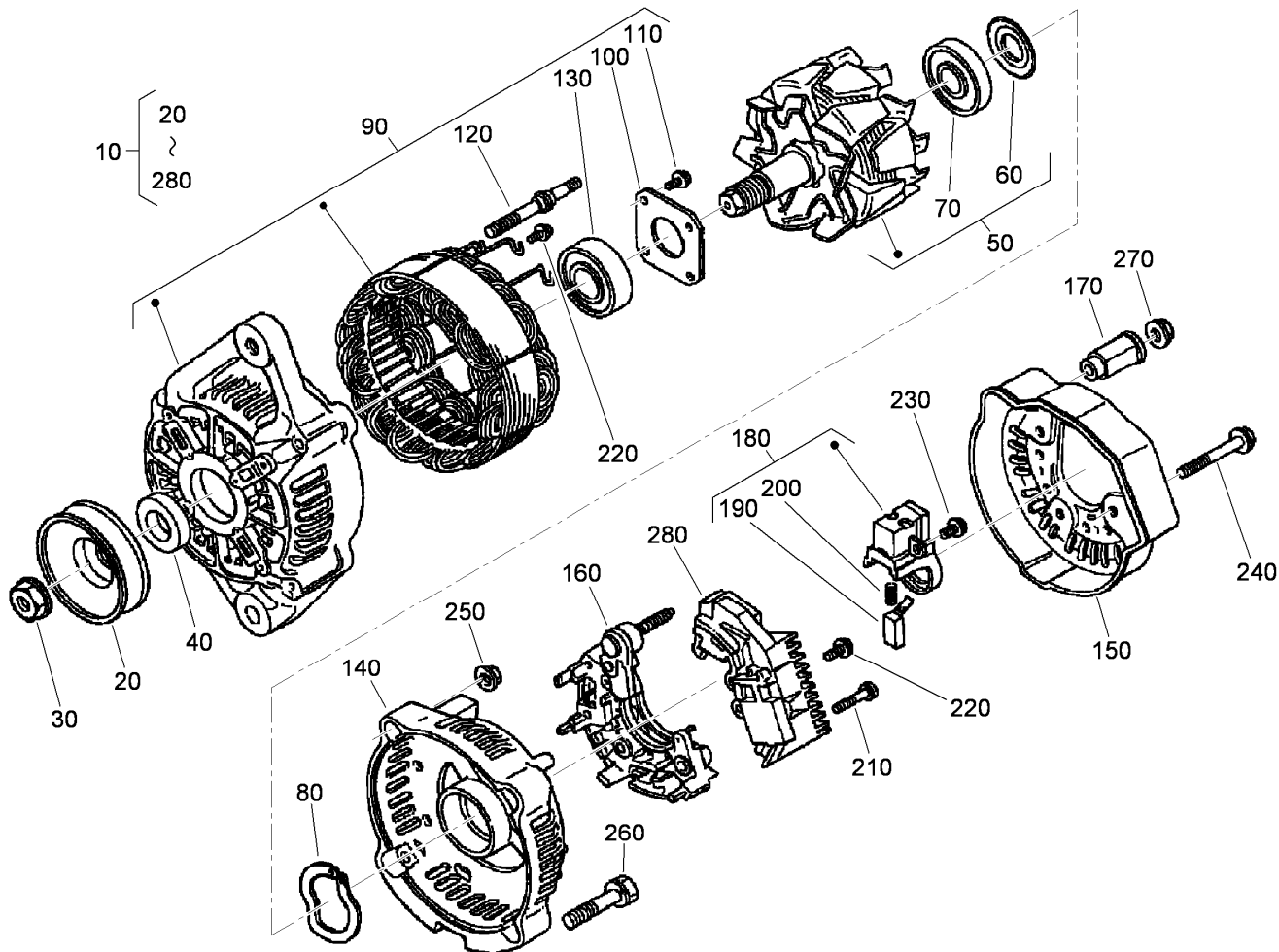
## Nozzle Holder Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 108-2866    | 3    | Nozzle Holder Kit      |
| 20   | 99-8301     | 3    | Nut                    |
| 30   | 99-8302     | 3    | Washer-Adjusting       |
| 40   | 99-8303     | 3    | Spring-Nozzle          |
| 50   | 99-8304     | 3    | Spacer-Distance        |
| 60   | 99-8305     | 3    | Rod-Push               |
| 70   | 99-8306     | 3    | Nut-Nozzle             |
| 80   | 99-8307     | 3    | Washer-Plain           |
| 90   | 107-7826    | 3    | Piece-Nozzle           |
| 100  | 99-8309     | 3    | Adjusting Washer ASM   |
| 110  | 99-8310     | 3    | Washer-Adjust (0.10Mm) |
| 110  | 99-8311     | 3    | Washer-Adjust (0.20Mm) |
| 110  | 99-8312     | 3    | Washer-Adjust (0.30Mm) |
| 110  | 99-8313     | 3    | Washer-Adjust (0.40Mm) |
| 110  | 99-8314     | 3    | Washer-Adjust (0.50Mm) |
| 110  | 99-8315     | 3    | Washer-Adjust (0.52Mm) |
| 110  | 99-8316     | 3    | Washer-Adjust (0.54Mm) |
| 110  | 99-8317     | 3    | Washer-Adjust (0.56Mm) |
| 110  | 99-8318     | 3    | Washer-Adjust (0.58Mm) |
| 110  | 99-8319     | 3    | Washer-Adjust (0.80Mm) |
| 120  | 98-7676     | 3    | Gasket                 |
| 130  | 98-7677     | 3    | Seal-Heat              |



## Alternator and Pulley Assembly

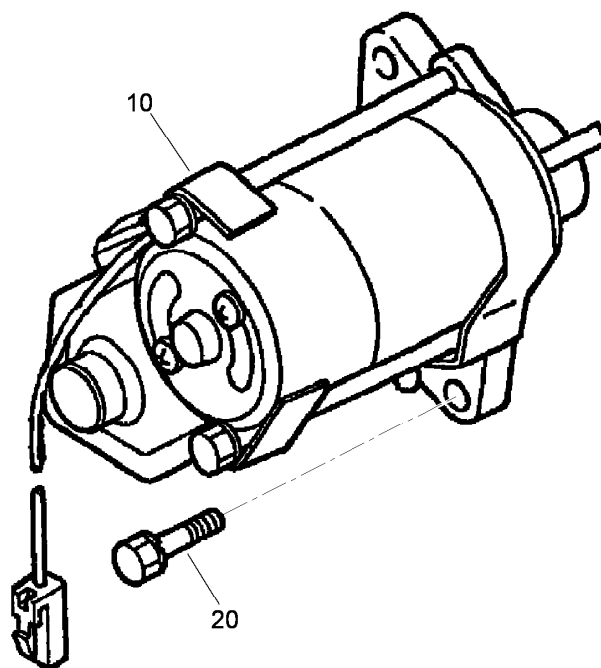
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 98-9474     | 1    | Alternator ASM    |
| 20   | 98-9573     | 1    | Stay-Dynamo       |
| 30   | 108-7088    | 1    | Bolt              |
| 40   | 98-9360     | 1    | Bolt              |
| 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              |



## Alternator Components Assembly

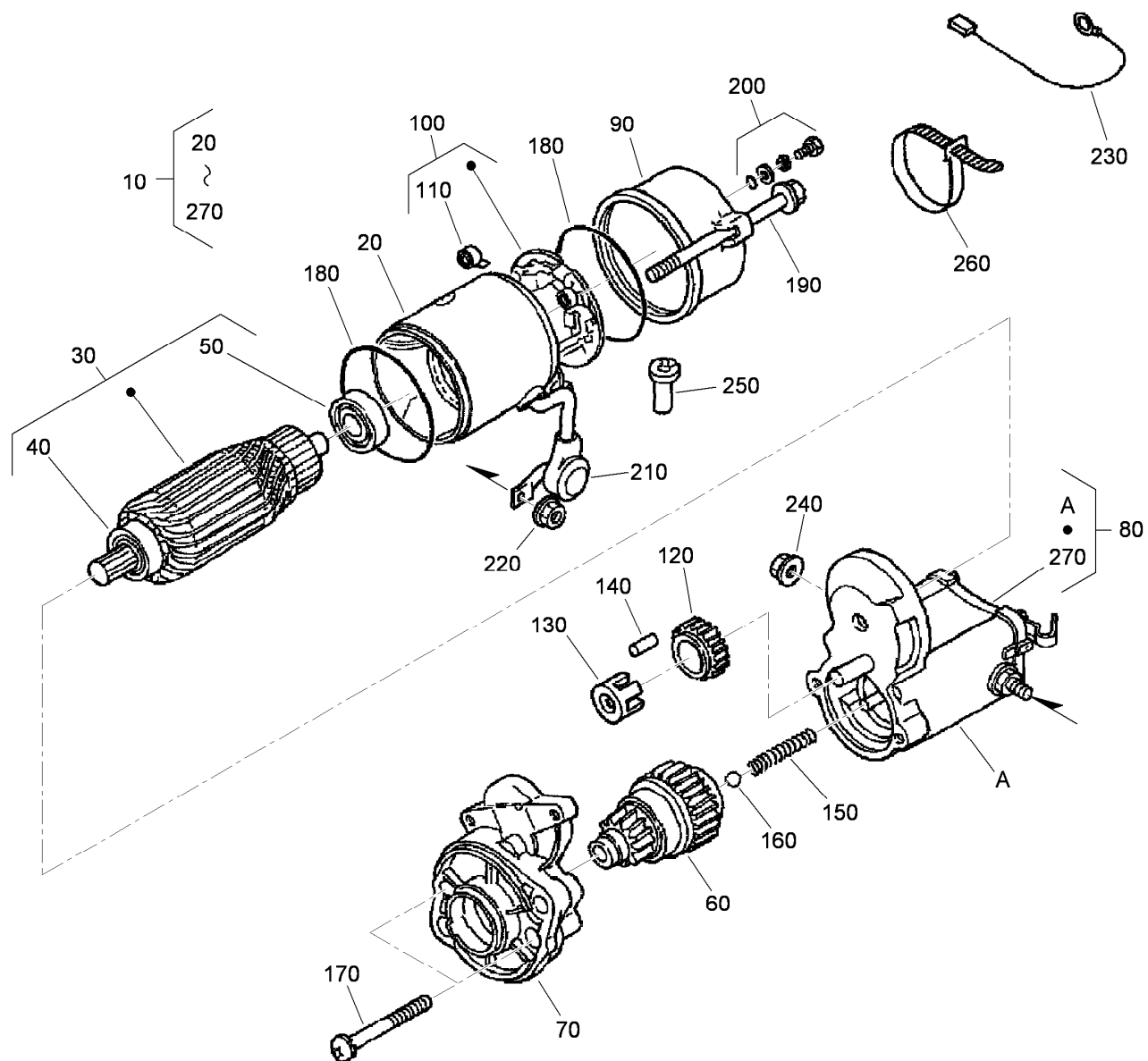
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-9474     | 1    | Alternator ASM      |
| 20   | 98-9453     | 1    | Pulley-Dynamo       |
| 30   | 98-7708     | 1    | Nut                 |
| 40   | 98-7709     | 1    | Collar    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

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 150  | 107-0140    | 1    | Cover-End          |
| 160  | 98-7721     | 1    | Rectifier ASM      |
| 170  | 98-7722     | 1    | Bushing-Insulation |
| 180  | 107-0141    | 1    | Brush Holder ASM   |
| 190  | 98-7724     | 2    | Brush              |
| 200  | 98-7725     | 2    | Spring-Brush       |
| 210  | 98-7726     | 2    | Screw-Head, Round  |
| 220  | 98-7727     | 6    | Screw-Head, Round  |
| 230  | 98-7728     | 1    | Screw-Head, Round  |
| 240  | 98-7729     | 3    | Bolt               |
| 250  | 98-7730     | 2    | Nut                |
| 260  | 98-7731     | 2    | Bolt               |
| 270  | 98-7732     | 1    | Nut                |
| 280  | 110-3799    | 1    | Regulator ASM      |



## Starter Assembly

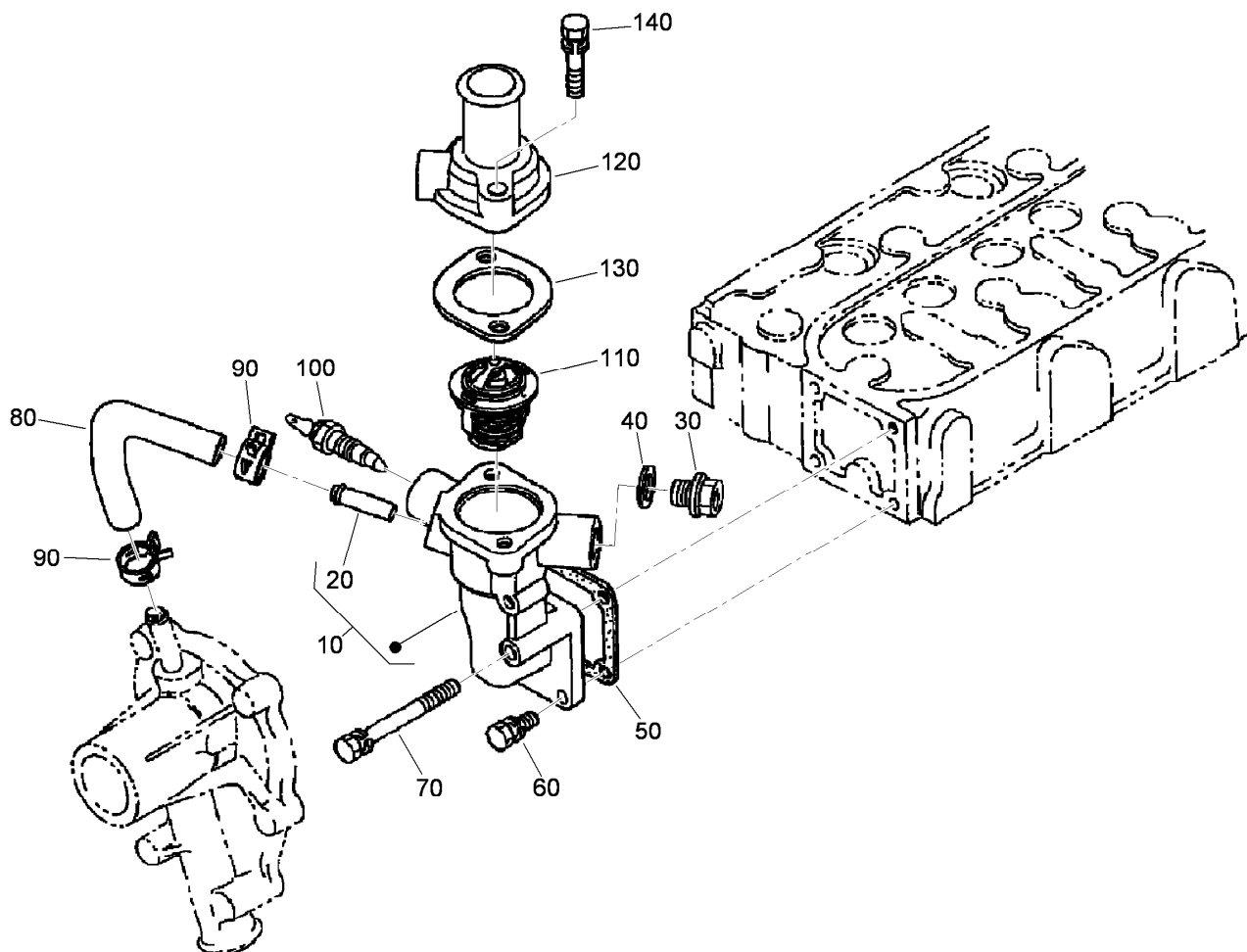
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 98-9705            | 1           | Starter ASM        |
| 20          | 98-7697            | 2           | Bolt               |



## Starter (Component Part) Assembly

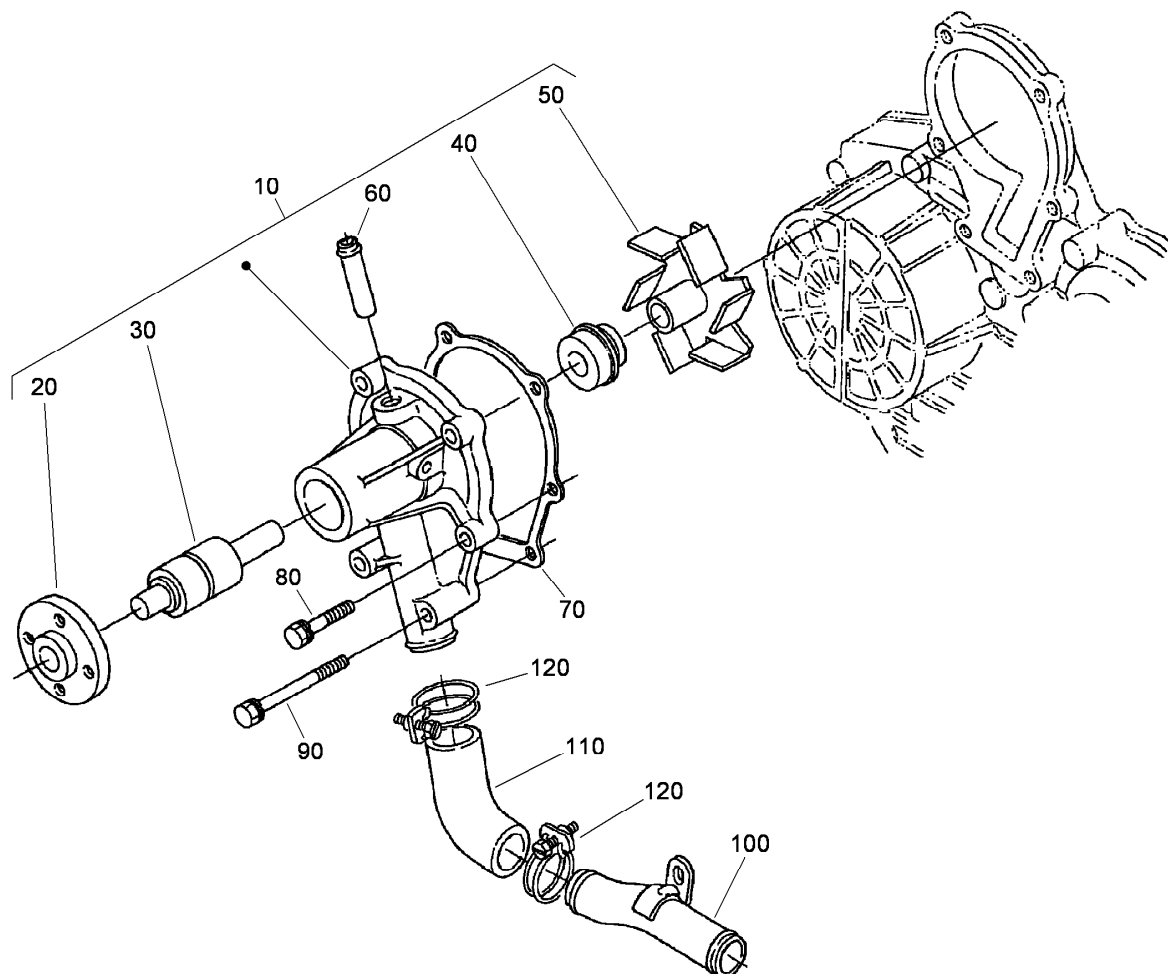
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9705     | 1    | Starter ASM          |
| 20   | 104-8608    | 1    | Yoke ASM             |
| 30   | 98-7742     | 1    | Armature ASM         |
| 40   | 98-7744     | 1    | Bearing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

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



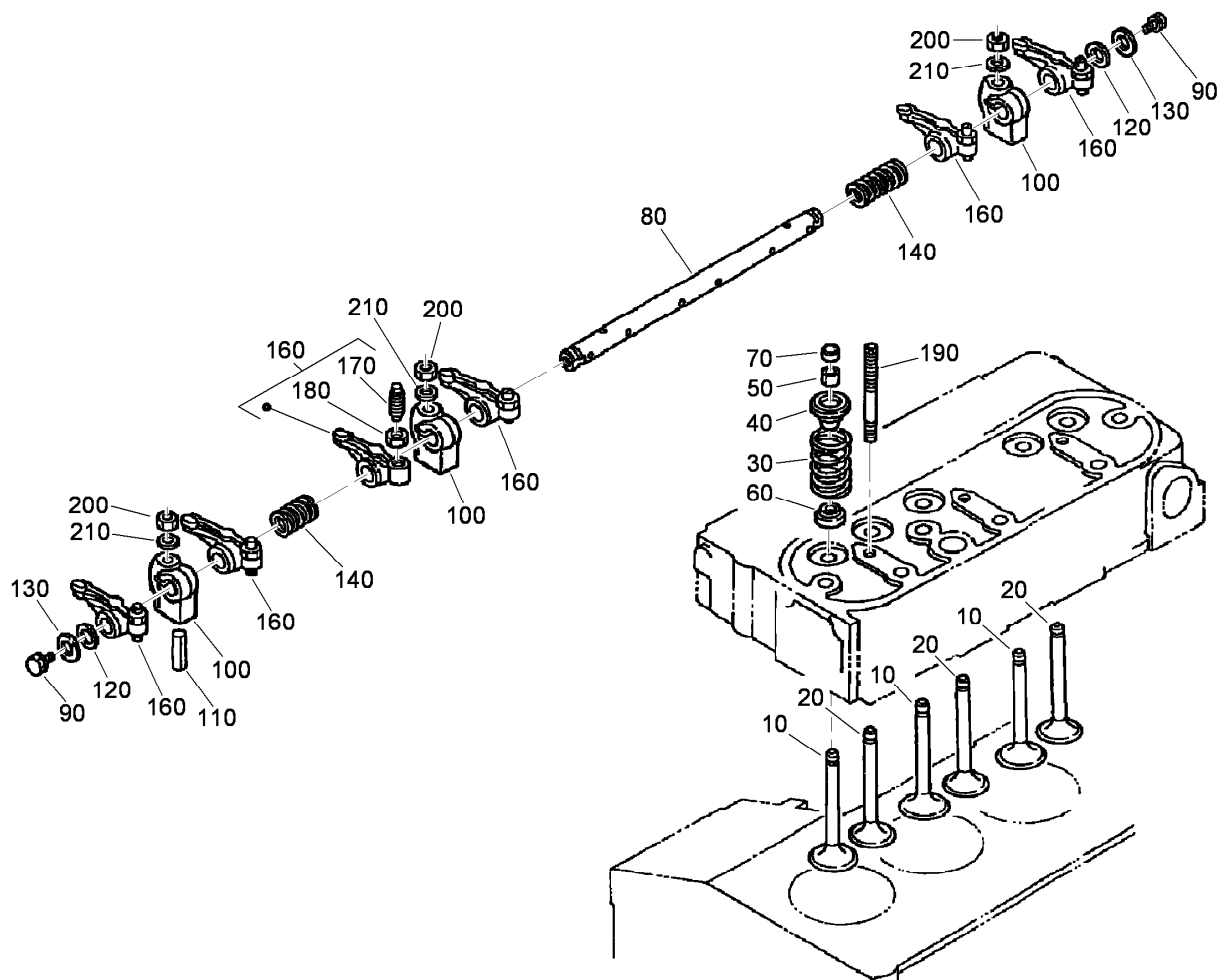
## Water Flange and Thermostat Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 10          | 98-9713            | 1           | Water Flange ASM     |
| 20          | 98-9580            | 1           | Pipe-Return, Water   |
| 30          | 105-3747           | 1           | Plug                 |
| 40          | 99-3583            | 1           | Gasket               |
| 50          | 98-9638            | 1           | Gasket-Flange, Water |
| 60          | 98-7692            | 3           | Bolt                 |
| 70          | 98-9356            | 1           | Bolt                 |
| 80          | 98-9578            | 1           | Pipe-Return, Water   |
| 90          | 98-9579            | 2           | Band-Pipe            |
| 100         | 98-9719            | 1           | Thermoswitch         |
| 110         | 98-7778            | 1           | Thermostat ASM       |
| 120         | 98-9471            | 1           | Cover-Thermostat     |
| 130         | 105-3748           | 1           | Gasket-Thermostat    |
| 140         | 98-7777            | 2           | Bolt                 |



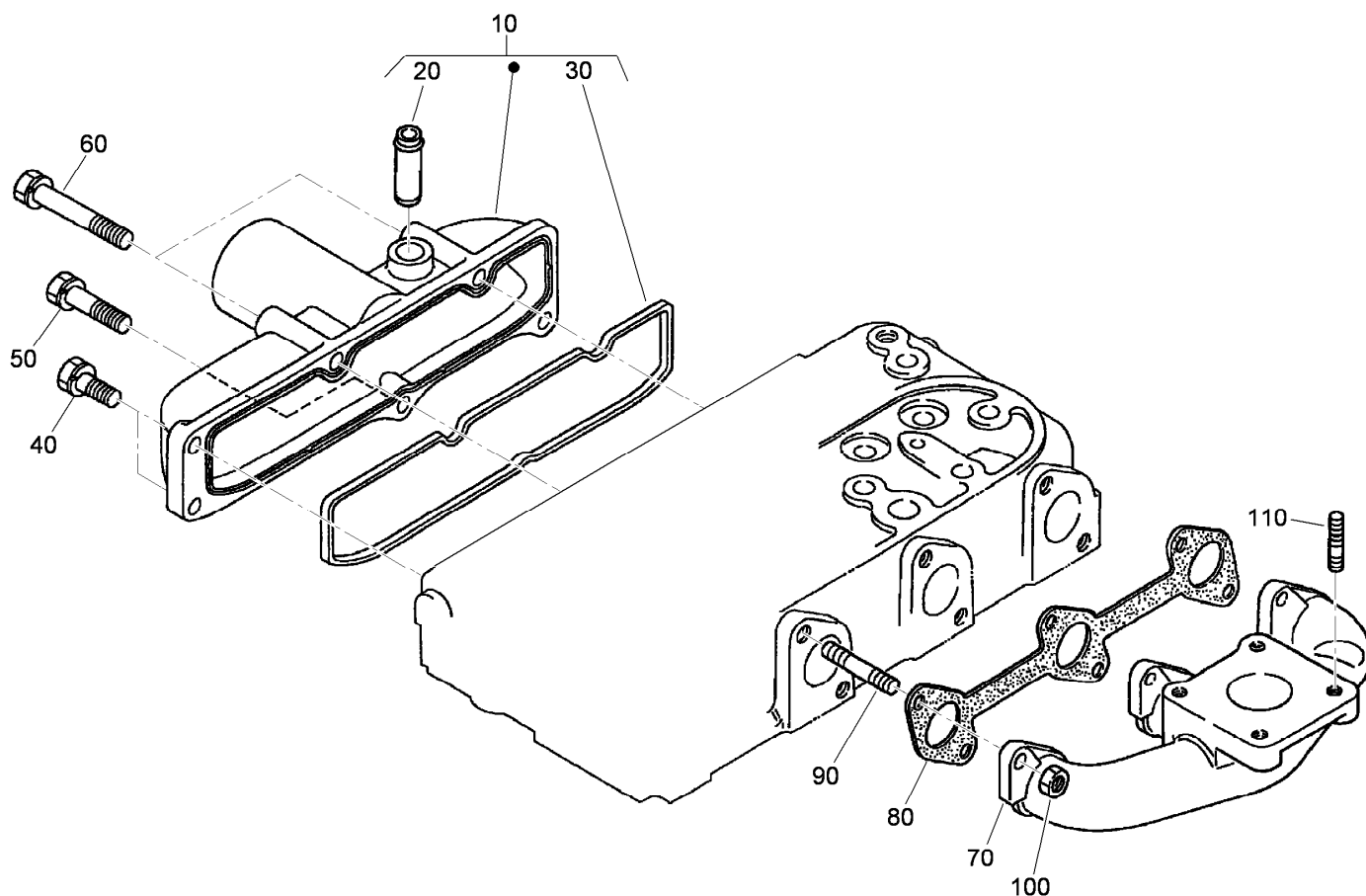
## Water Pump Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 107-9089    | 1    | Water Pump ASM      |
| 20   | 99-3516     | 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               |



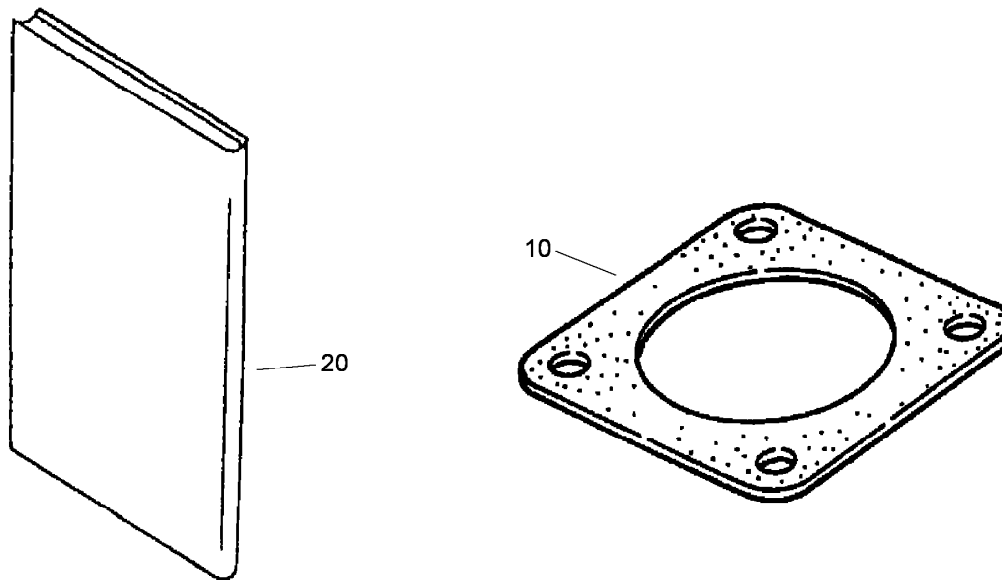
## Valve and Rocker Arm Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 112-7018    | 3    | Valve-Inlet          |
| 20   | 98-9495     | 3    | Valve-Exhaust        |
| 30   | 98-9648     | 6    | Spring-Valve         |
| 40   | 107-9092    | 6    | Retainer-Spring      |
| 50   | 98-9390     | 6    | Collet-Spring, Valve |
| 60   | 99-8385     | 6    | Seal-Stem, Valve     |
| 70   | 98-9497     | 6    | Cap-Valve            |
| 80   | 105-3790    | 1    | R-Arm Shaft ASM      |
| 90   | 100-9265    | 2    | Bolt                 |
| 100  | 98-9505     | 3    | Bracket-Arm, Rocker  |
| 110  | 105-3758    | 1    | Pin-Spring           |
| 120  | 98-9507     | 2    | Washer-Shaft, R-Arm  |
| 130  | 3256-1      | 2    | Washer-Flat          |
| 140  | 98-9504     | 2    | Spring-Arm, Rocker   |
| 160  | 98-9501     | 6    | Rocker Arm ASM       |
| 170  | 98-9502     | 6    | Screw-Adjusting      |
| 180  | 98-9503     | 6    | Nut                  |
| 190  | 98-9506     | 3    | Stud                 |
| 200  | 98-9393     | 3    | Nut                  |
| 210  | 98-9385     | 3    | Washer-Flat          |



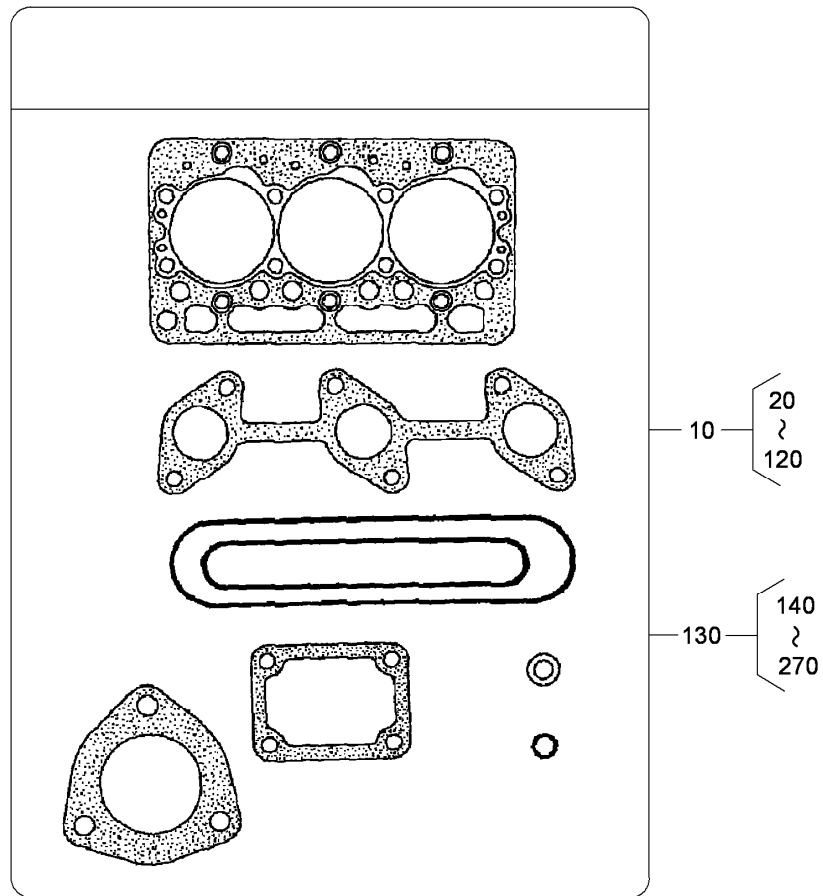
## Inlet and Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 108-6577    | 1    | Inlet Manifold ASM       |
| 20   | 98-9492     | 1    | Joint-Pipe, Breather     |
| 30   | 98-9609     | 1    | Gasket-Manifold, Inlet   |
| 40   | 98-7605     | 3    | Bolt                     |
| 50   | 98-9353     | 1    | Bolt                     |
| 60   | 105-3797    | 2    | Bolt                     |
| 70   | 107-9093    | 1    | Manifold-Exhaust         |
| 80   | 99-8327     | 1    | Gasket-Manifold, Exhaust |
| 90   | 98-9588     | 6    | Stud                     |
| 100  | 98-9665     | 6    | Nut                      |
| 110  | 98-7769     | 4    | Stud                     |



## Muffler Gasket and Operator Manual

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 99-8343            | 1           | Gasket-Muffler     |
| 20          | 99-8954            | 1           | Manual-Kubota      |



## Upper and Lower Gasket Kits

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 107-7848           | 1           | Upper Gasket Kit   |
| 130         | 107-9095           | 1           | Lower Gasket Kit   |

# Attachments and Accessories

## For 30344 Groundsmaster 3280-D Traction Unit

| Product Name                                                         | Model/Part |
|----------------------------------------------------------------------|------------|
| Premium Engine Oil, 10w30 (55 Gallon Drum) .....                     | 108-1179   |
| Premium Engine Oil, 10w30 (5 Gallon Pail) .....                      | 108-1180   |
| Premium Engine Oil, 15w40 (Drum, 55 Gallons) .....                   | 108-1181   |
| Premium Engine Oil, 15w40 (Pail, 5 Gallons) .....                    | 108-1182   |
| Premium Transmission/Hydraulic Tractor Fluid (Drum, 55 Gallons)..... | 108-1183   |
| Premium Transmission/Hydraulic Tractor Fluid (Pail, 5 Gallons).....  | 108-1184   |
| Premium All Purpose Grease (Tube) .....                              | 108-1190   |
| Armrest Adapter Kit .....                                            | 108-9687   |
| Wheel Weight Kit .....                                               | 11-0440    |
| Auxiliary Valve Kit .....                                            | 110-5670   |
| Implement Flow Control Kit .....                                     | 110-5699   |
| Blower Drive and Mounting Kit.....                                   | 110-8539   |
| Attachment Frame Kit .....                                           | 110-8540   |
| 5 Inch Air Cleaner Safety Element .....                              | 114-4057   |
| Snowthrower Drive and Mounting Kit.....                              | 114-4140   |
| V-Plow Mounting Kit.....                                             | 115-4917   |
| Mounting Kit (for Model 30823).....                                  | 115-4929   |
| Model 2670 Debris Blower Mounting Kit (2XX) .....                    | 115-4932   |
| Model 2670 Debris Blower Mounting Kit (3XX) .....                    | 115-4935   |
| Wheel .....                                                          | 119-2863   |
| Wheel and Tire ASM .....                                             | 119-2864   |
| Tire .....                                                           | 231-95     |
| Rear Weight Kit.....                                                 | 24-5780    |
| 400-Hour Filter Maintenance Kit .....                                | 30051      |
| Mechanical Seat Suspension Kit .....                                 | 30312      |
| Pneumatic Seat Suspension Kit.....                                   | 30313      |
| 15 Cubic Foot Bagger Kit.....                                        | 30356      |
| 60in Blower Kit.....                                                 | 30357      |
| Bimini Sunshade for 2-Post Roll-Over Protection System .....         | 30358      |
| Hardtop Sunshade.....                                                | 30359      |
| 60in Side Discharge Mower .....                                      | 30366      |
| 72in Side Discharge Mower .....                                      | 30368      |
| Auxiliary Power Unit.....                                            | 30382      |
| Cab ASM .....                                                        | 30391      |
| Standard Seat Kit.....                                               | 30398      |
| Base 62in Mower .....                                                | 30403      |
| Base 72in Mower .....                                                | 30404      |
| 52in Blower Kit.....                                                 | 30502      |
| 62in Blower Kit.....                                                 | 30506      |
| 62in Side Discharge Deck.....                                        | 30551      |
| 52in Side Discharge Mower .....                                      | 30555      |
| Arm Rest Kit.....                                                    | 30707      |
| 48 Inch V-Plow .....                                                 | 30750      |
| Debris Blower .....                                                  | 30823      |
| Tire .....                                                           | 69-9880    |
| Spark Arrestor Screen .....                                          | 75-6880    |
| Weight-Wheel .....                                                   | 77-6700    |

|                                  |       |
|----------------------------------|-------|
| Tire Chains (23 x 9.50-12) ..... | 82531 |
|----------------------------------|-------|

**Notes:**

**Notes:**



**Count on it.**