



## Groundsmaster® 328-D Traction Unit

Model No. 30626 - 280000001 and up.

### Parts Catalog

#### Ordering Replacement Parts

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

#### Understanding Reference Numbers

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

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

#### Service Assembly Reference Numbers

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

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

#### Reference Numbers Indicating Quantity

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

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

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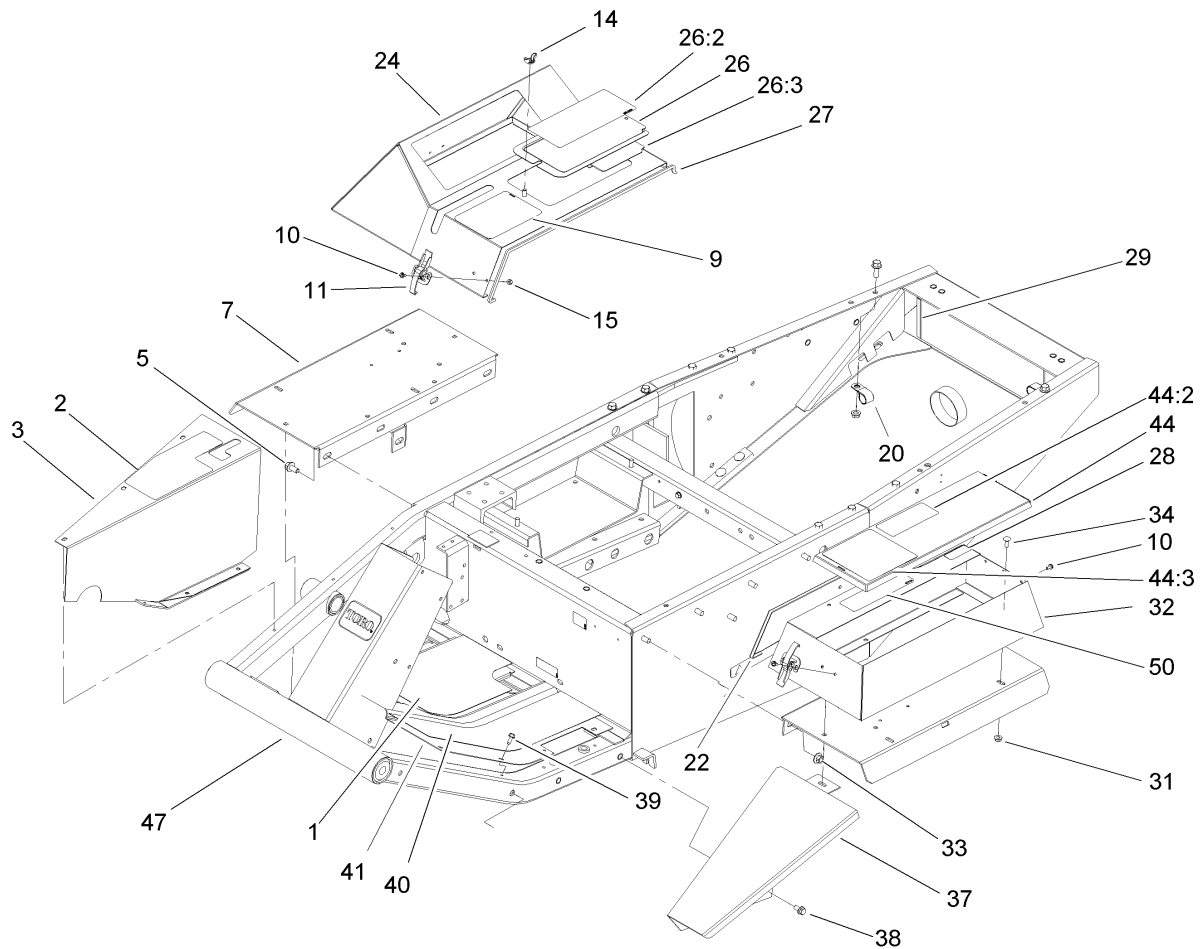
# Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

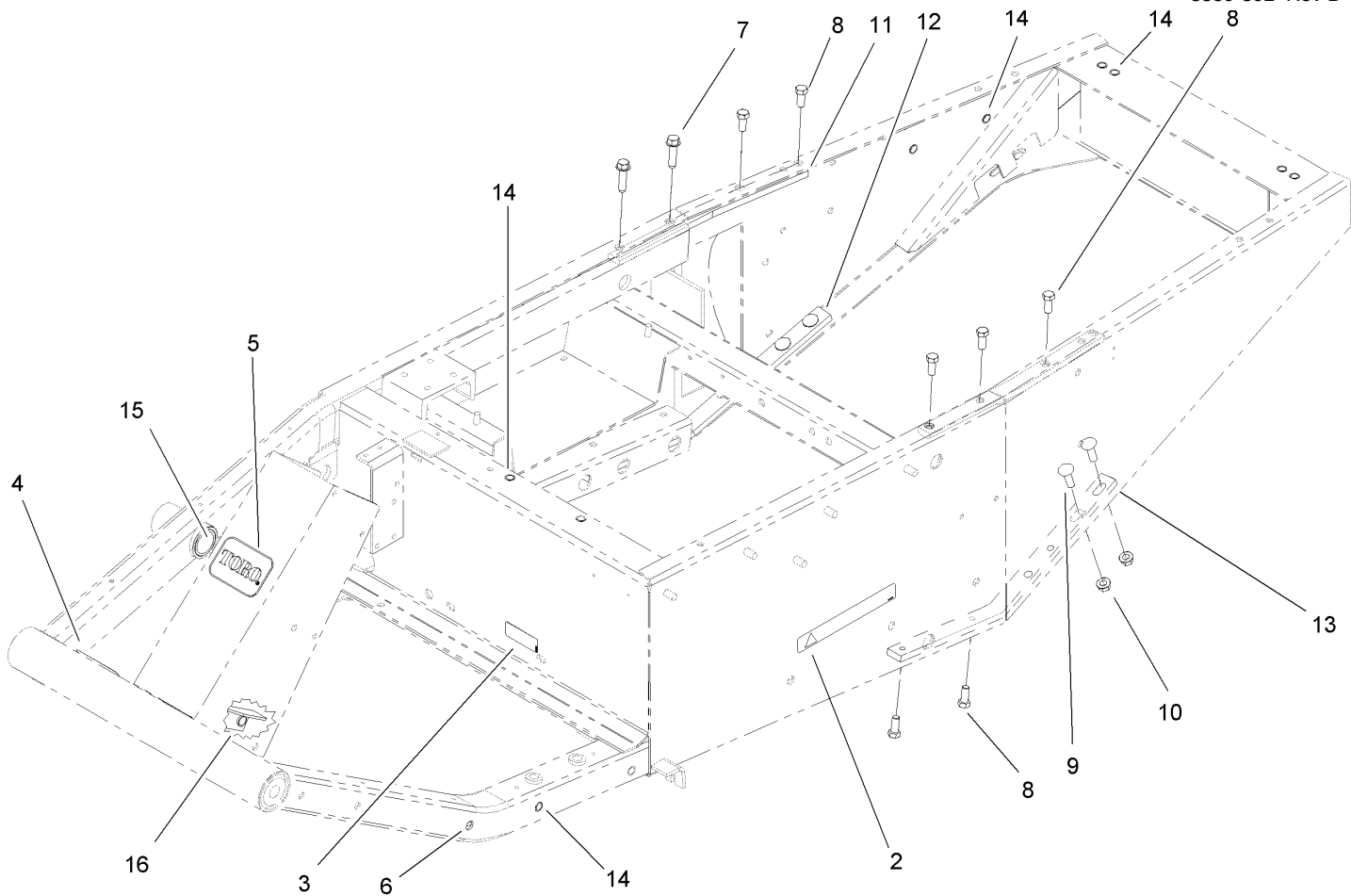
## Footnotes

- ❶** Not illustrated
- ❷** Not serviced separately



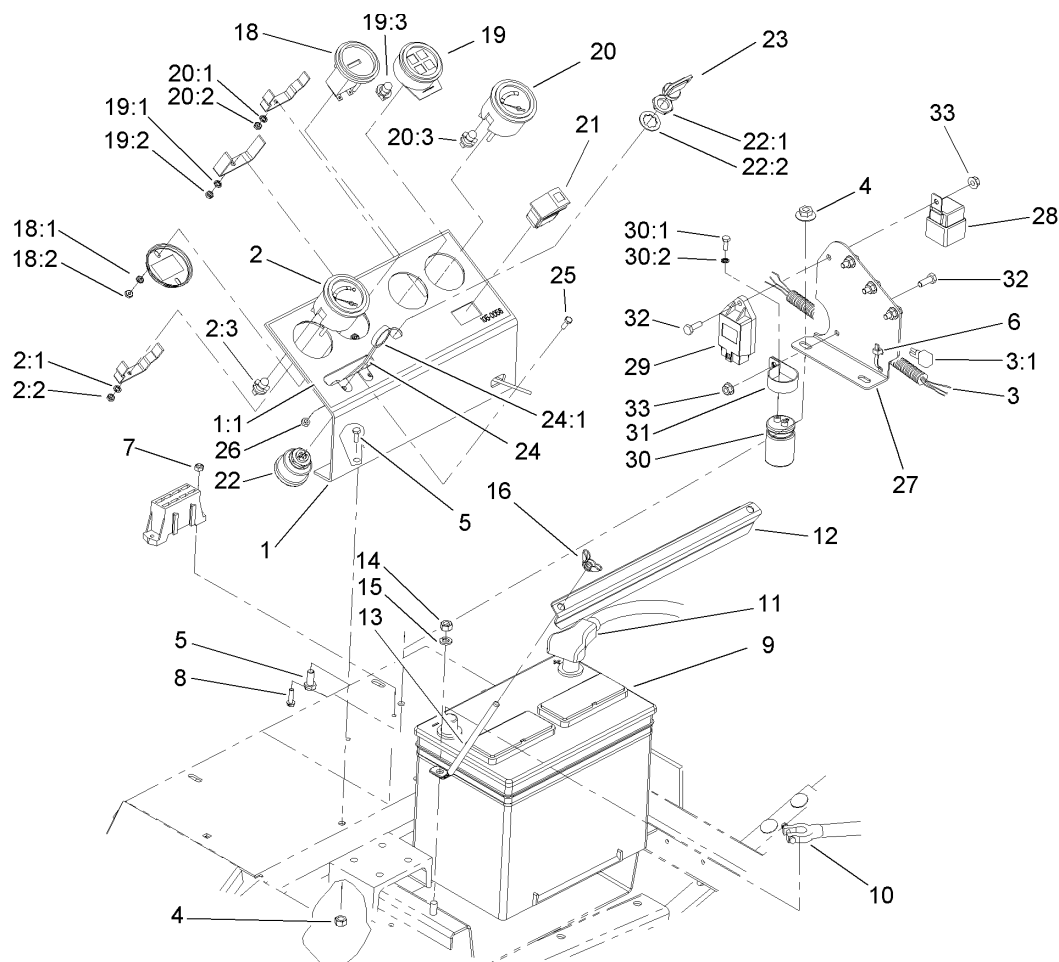
## Frame Assembly

| Ref  | Part No.    | Qty. | Description                  | Ref  | Part No.   | Qty. | Description         |
|------|-------------|------|------------------------------|------|------------|------|---------------------|
| 1    | 21-2770     | 1    | Pad-Floor Plate, RH          | 38   | 3234-14    | 2    | Screw-HHF           |
| 2    | 105-7822    | 1    | Decal-Caution                | 39   | 9266714    | 11   | Screw-HWH           |
| 3    | 21-2660-01  | 1    | Plate-Side                   | 40   | 21-2760    | 1    | Pad-Plate Floor, LH |
| 5    | 3234-12     | 4    | Screw-HHF                    | 41   | 88-0070-01 | 1    | Plate-Floor         |
| 7    | 105-2596-01 | 2    | Fender ASM                   | 44   | 93-3185    | 1    | Cover ASM           |
| 9    | 27-7290     | 1    | Decal-PTO                    | 44:2 | 27-7310    | 1    | Decal-Refueling     |
| 10   | 3290-144    | 9    | Screw-SHWH                   | 44:3 | 72-3700    | 1    | Decal-Danger        |
| 11   | 249-21      | 3    | Clamp-Slotted                | 47   | 98-3879    | 1    | Frame ASM           |
| 14   | 32103-2     | 1    | Nut-Wing                     | 50   | 67-1710    | 1    | Decal-Warning       |
| 15   | 3296-2      | 9    | Nut-Lock                     |      |            |      |                     |
| 20   | 2412-39     | 2    | R-Clamp                      |      |            |      |                     |
| 22   | 37-9650     | 1    | Trim-Box, Tool               |      |            |      |                     |
| 24   | 38-4550-03  | 1    | Cover-Instruments            |      |            |      |                     |
| 26   | 105-2564    | 1    | Battery Cover ASM            |      |            |      |                     |
| 26:2 | 105-2531    | 1    | Decal-Instructions, Starting |      |            |      |                     |
| 26:3 | 92-7801     | 1    | Shield-Cover, Battery        |      |            |      |                     |
| 27   | 39-8020     | 1    | Trim-Cover, Instrument       |      |            |      |                     |
| 28   | 114-9600    | 1    | Decal-Low Sulfur             |      |            |      |                     |
| 29   | 43-4300     | 2    | Trim-Frame, Rear             |      |            |      |                     |
| 31   | 32128-33    | 5    | Nut-HF                       |      |            |      |                     |
| 32   | 93-3182-03  | 1    | Box-Tool                     |      |            |      |                     |
| 33   | 3290-357    | 6    | Nut-HHF, Whiz                |      |            |      |                     |
| 34   | 3229-1      | 5    | Screw-CARR                   |      |            |      |                     |
| 37   | 68-8610-01  | 1    | Extension-Fender             |      |            |      |                     |



Frame Assembly No. 98-3879

| Ref | Part No.   | Qty. | Description           |  |  |  |  |
|-----|------------|------|-----------------------|--|--|--|--|
| 2   | 93-7830    | 2    | Decal-Torque          |  |  |  |  |
| 3   | 93-6686    | 1    | Decal-Oil, HYD        |  |  |  |  |
| 4   | 93-7836    | 1    | Decal-Pedal, Traction |  |  |  |  |
| 5   | 70-2200    | 1    | Decal                 |  |  |  |  |
| 6   | 32148-9    | 1    | Insert-Nut            |  |  |  |  |
| 7   | 11-0590    | 2    | Screw-HWHTF           |  |  |  |  |
| 8   | 3234-25    | 9    | Screw-HHF             |  |  |  |  |
| 9   | 3231-25    | 4    | Screw-CARR            |  |  |  |  |
| 10  | 32128-21   | 4    | Nut-HF                |  |  |  |  |
| 11  | 98-3866-01 | 2    | Brace-Upper           |  |  |  |  |
| 12  | 98-3865-01 | 1    | Brace-Right, Lower    |  |  |  |  |
| 13  | 98-3864-01 | 1    | Brace-Left, Lower     |  |  |  |  |
| 14  | 3290-472   | 10   | Insert-Threaded       |  |  |  |  |
| 15  | 256-126    | 2    | Bushing               |  |  |  |  |
| 16  | 256-156    | 1    | Bushing-Flange        |  |  |  |  |



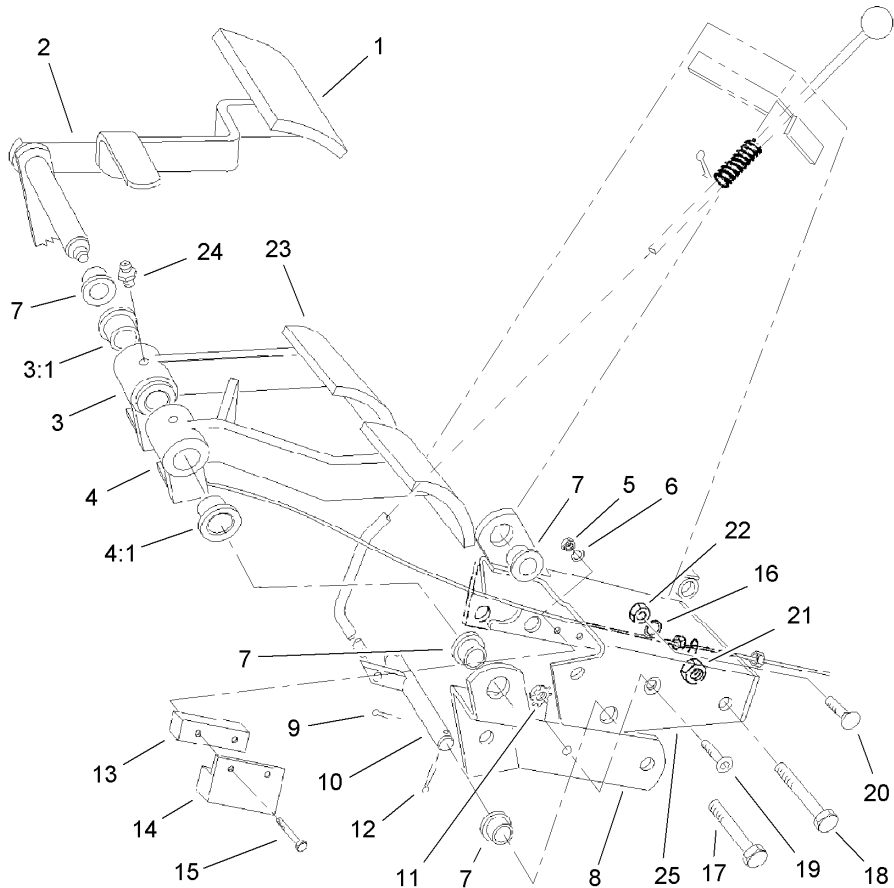
## Control Panel and Battery Assembly

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

| Ref  | Part No.    | Qty. | Description       |
|------|-------------|------|-------------------|
| 18   | 66-2950     | 1    | Gauge-Hourmeter   |
| 18:1 | 3255-20     | 2    | Washer-Lock       |
| 18:2 | 3217-25     | 2    | Nut-Hex           |
| 19   | 112-6561    | 1    | Warning Light ASM |
| 19:1 | 3254-1      | 1    | Washer-Lock, Int  |
| 19:2 | 3217-27     | 1    | Nut-Hex           |
| 19:3 | 105-9264    | 4    | Bulb And Lamp ASM |
| 20   | 98-9308     | 1    | Gauge-Temperature |
| 20:1 | 3254-1      | 3    | Washer-Lock, Int  |
| 20:2 | 3217-27     | 3    | Nut-Hex           |
| 20:3 | 105-9265    | 1    | Bulb And Lamp ASM |
| 21   | 100-8072    | 1    | Switch            |
| 22   | 104-2541    | 1    | Switch ASM        |
| 22:1 | 218-461     | 1    | Nut-HH            |
| 22:2 | 3254-5      | 1    | Washer-Tooth      |
| 23   | 63-8360     | 2    | Key-Ignition      |
| 24   | 43-3990     | 1    | Control-Throttle  |
| 24:1 | 233-35      | 1    | Knob              |
| 25   | 3290-134    | 2    | Screw             |
| 26   | 3296-12     | 2    | Nut-Lock          |
| 27   | 105-0002-01 | 1    | Bracket-Relay     |
| 28   | 99-7430     | 4    | Relay             |
| 29   | 98-7611     | 1    | Controller-Glow   |
| 30   | 37-2690     | 1    | Capacitor         |



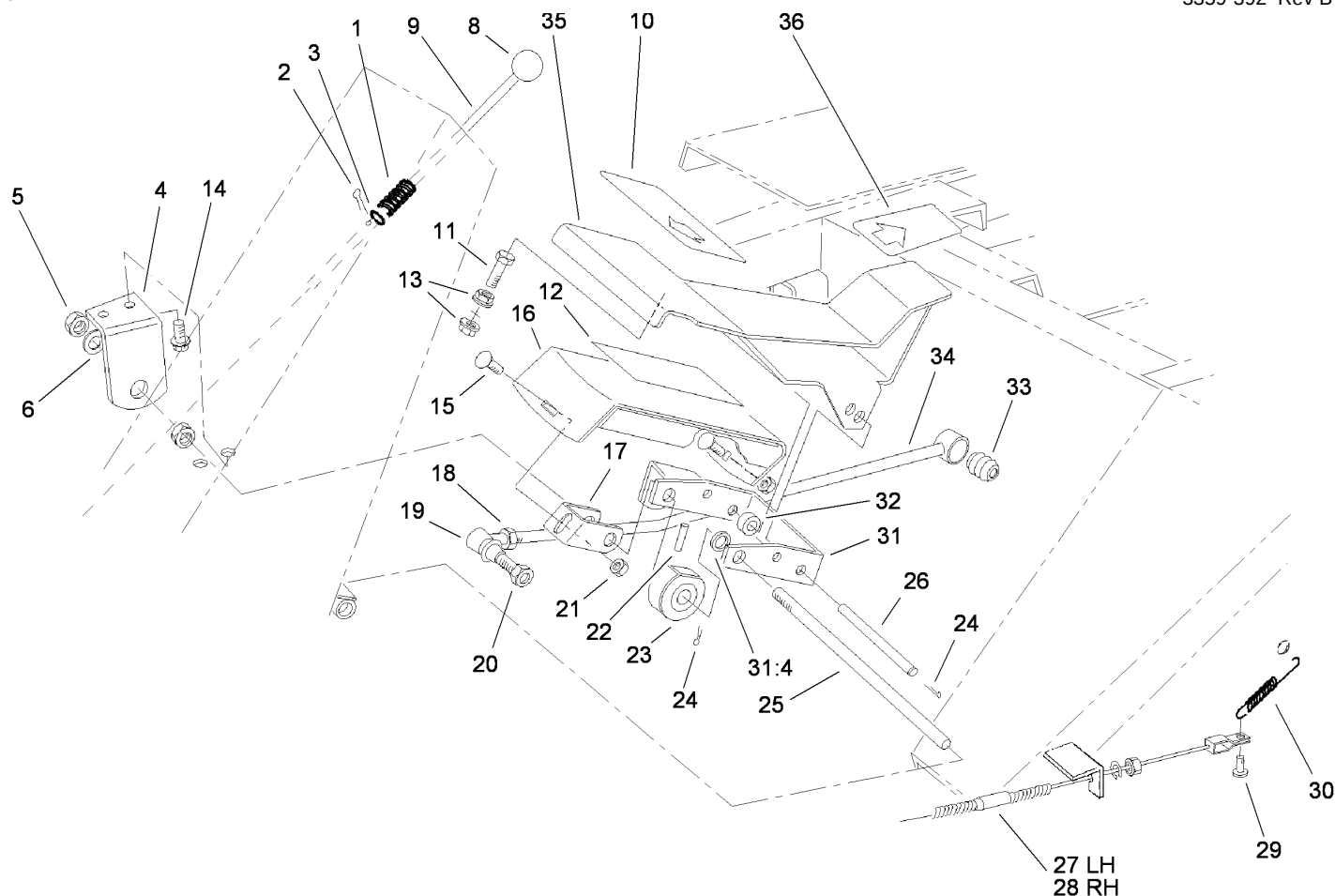
| Ref  | Part No. | Qty. | Description      |
|------|----------|------|------------------|
| 30:1 | 3252-18  | 2    | Screw            |
| 30:2 | 3254-1   | 2    | Washer-Lock, Int |
| 31   | 2412-74  | 1    | R-Clamp          |
| 32   | 321-4    | 5    | Screw-HH         |
| 33   | 32128-33 | 5    | Nut-HF           |



Brake Pedal Assembly

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

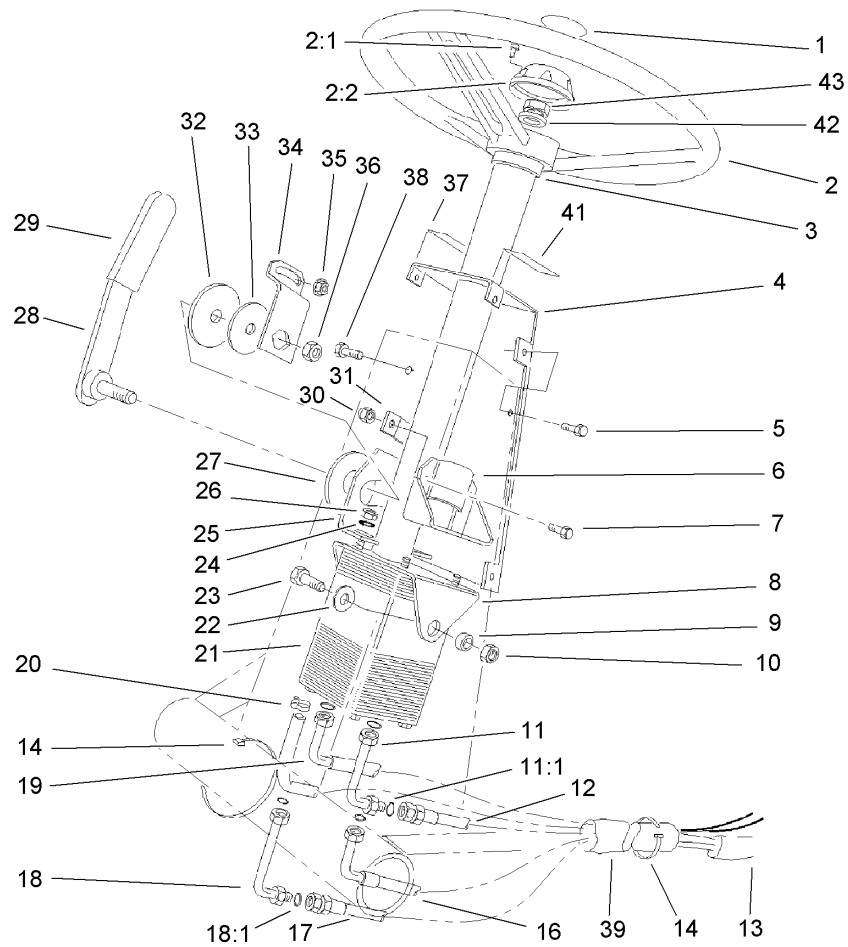
| Ref | Part No.    | Qty. | Description           |
|-----|-------------|------|-----------------------|
| 23  | 93-8743     | 2    | Footpad-Turn          |
| 24  | 302-5       | 2    | Fitting-Grease        |
| 25  | 105-0066-01 | 1    | Brake Pedal Mount ASM |



## Traction Pedal Assembly

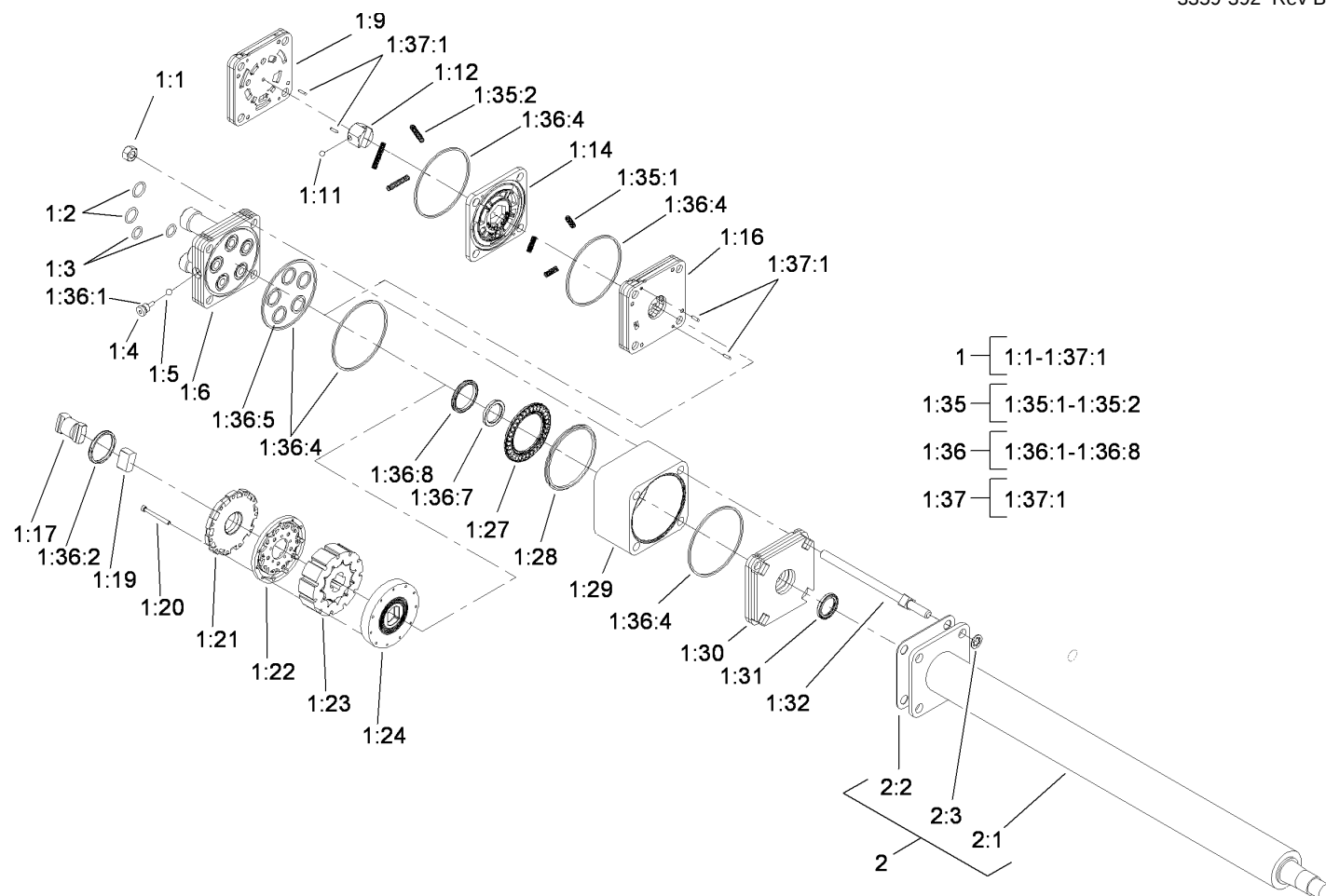
| Ref | Part No.   | Qty. | Description           |
|-----|------------|------|-----------------------|
| 1   | 95-1821    | 1    | Spring-Compression    |
| 2   | 3272-5     | 1    | Pin-Cotter            |
| 3   | 3256-22    | 1    | Washer-Flat           |
| 4   | 21-2850-01 | 1    | Mount-Pedal,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

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



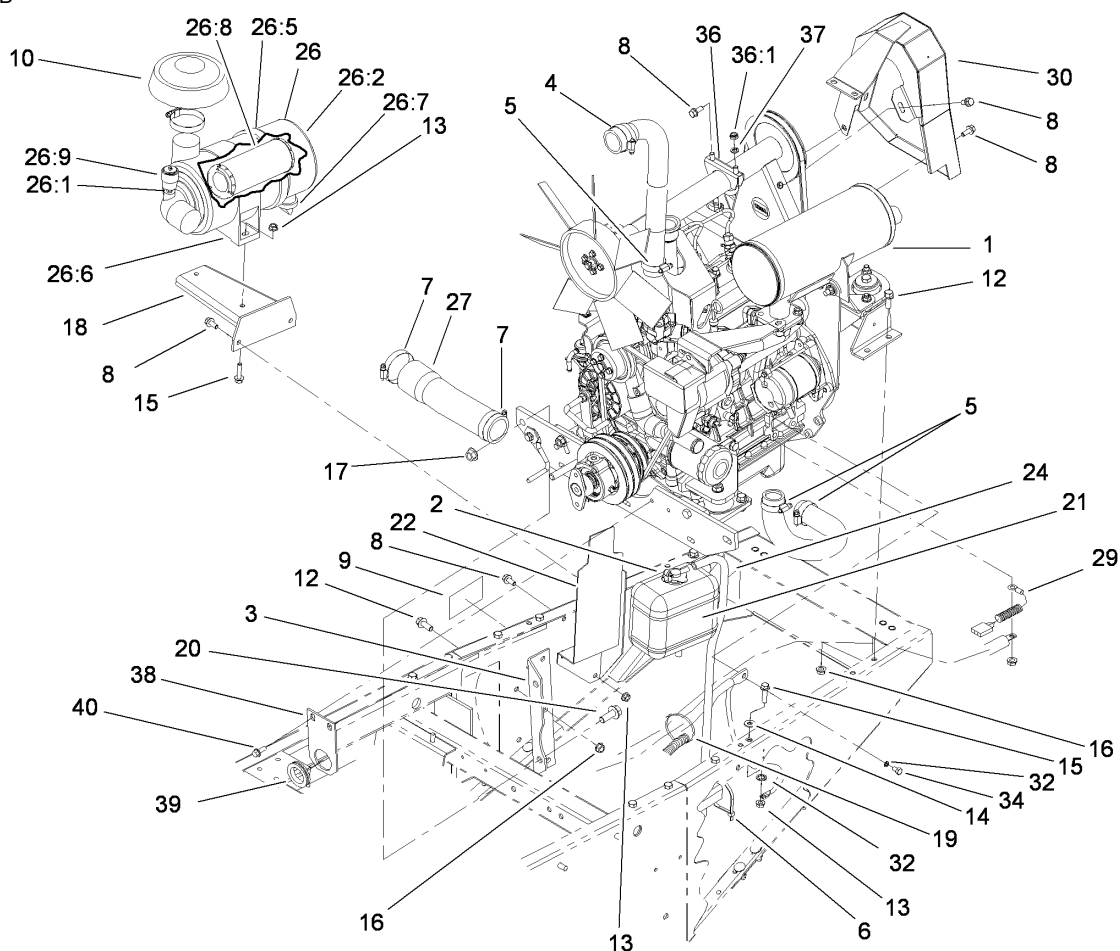
## Power Steering Assembly

| Ref  | Part No.   | Qty. | Description                | Ref | Part No.   | Qty. | Description          |
|------|------------|------|----------------------------|-----|------------|------|----------------------|
| 1    | 68-5370    | 1    | Decal                      | 22  | 3256-46    | 2    | Washer-Flat          |
| 2    | 75-0560    | 1    | Wheel-Steering             | 23  | 323-6      | 2    | Screw-HH             |
| 2:1  | 32144-21   | 1    | Screw                      | 24  | 3256-3     | 4    | Washer-Flat          |
| 2:2  | 68-5140    | 1    | Cap-Wheel, Steering        | 25  | 80-2940-03 | 1    | Plate-Pivot          |
| 3    | 21-9260    | 1    | Cover-Dust                 | 26  | 3296-20    | 4    | Nut-Lock, NI         |
| 4    | 82-8660-01 | 1    | Cover-Tower                | 27  | 31-0390    | 1    | Disc-Friction        |
| 5    | 32144-10   | 6    | Screw-HWH                  | 28  | 108-6092   | 1    | Lever-Steering, Tilt |
| 6    | 67-8690-03 | 1    | Support-Column             | 29  | 21-1880    | 1    | Grip-Handle          |
| 7    | 322-5      | 2    | Screw-HH                   | 30  | 3296-29    | 2    | Nut-Lock, NI         |
| 8    | 77-3120-01 | 1    | Bracket-Mounting, Column   | 31  | 82-8650    | 1    | Clamp-Column         |
| 9    | 80-2960    | 2    | Spacer-Tower               | 32  | 82-9010    | 1    | Disc-Friction        |
| 10   | 3296-39    | 2    | Nut-Lock, NI               | 33  | 80-2930    | 1    | Washer-Flat          |
| 11   | 82-8760    | 1    | Elbow-HYD                  | 34  | 80-2880    | 1    | Bracket-Tilt         |
| 11:1 | 237-30     | 1    | O-Ring                     | 35  | 32128-20   | 1    | Nut-HF               |
| 12   | 63-8970    | 1    | Hose-HYD                   | 36  | 3218-7     | 1    | Nut-Jam              |
| 13   | 70-1390    | 1    | Sleeve-Protective          | 37  | 82-8940    | 1    | Decal-Steering, Tilt |
| 14   | 3290-379   | 4    | Tie-Cable                  | 38  | 322-4      | 1    | Screw-HH             |
| 16   | 68-9730    | 1    | Hose-Steering, HYD         | 39  | 70-1380    | 1    | Sleeve-Protective    |
| 17   | 68-9720    | 1    | Hose-Steering, HYD         | 41  | 82-8930    | 1    | Decal-Brake, Parking |
| 18   | 82-8770    | 1    | Elbow-HYD                  | 42  | 3256-27    | 1    | Washer-Flat          |
| 18:1 | 237-22     | 1    | O-Ring                     | 43  | 3296-33    | 1    | Nut-Lock, NI         |
| 19   | 63-8980    | 1    | Hose-HYD                   |     |            |      |                      |
| 20   | 2412-36    | 1    | Clamp-Hose                 |     |            |      |                      |
| 21   | 108-6557   | 1    | Steer Valve And Column ASM |     |            |      |                      |



## Steer Valve and Column Assembly No. 108-6557

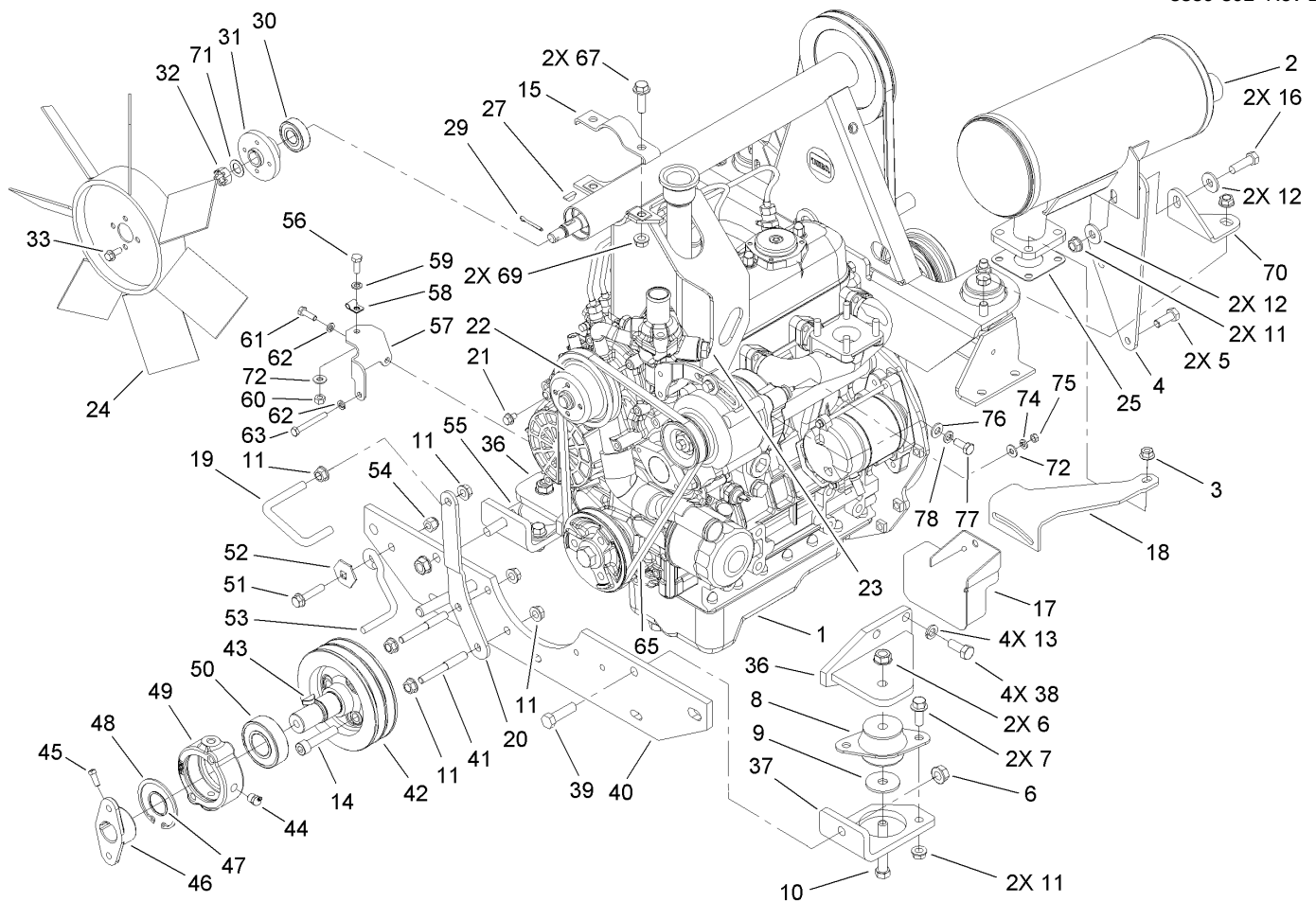
| Ref   | Part No. | Qty. | Description             | Ref     | Part No. | Qty. | Description        |
|-------|----------|------|-------------------------|---------|----------|------|--------------------|
| 1     |          | 1    | Power Steering Unit ASM | 1:32    | 92-7310  | 4    | Bolt-Special       |
| ②1:1  |          | 4    | Nut-Hex                 | ①1:35   | 66-9970  | 1    | Spring Kit         |
| 1:2   | 237-30   | 2    | O-Ring                  | ②1:35:1 |          | 3    | Gv-Spring          |
| 1:3   | 237-22   | 2    | O-Ring                  | ②1:35:2 |          | 3    | Spring             |
| ②1:4  |          | 1    | Plug And O-Ring ASM     | ①1:36   | 66-9980  | 1    | Seal Kit           |
| ②1:5  |          | 1    | Steel Ball              | ②1:36:1 |          | 1    | O-Ring             |
| ②1:6  |          | 1    | Port-Cover              | ②1:36:2 |          | 1    | Seal               |
| ②1:9  |          | 1    | Port Manifold           | ②1:36:4 |          | 5    | Seal Ring          |
| ②1:11 |          | 1    | Nylon Ball              | ②1:36:5 |          | 5    | O-Ring             |
| ②1:12 |          | 1    | Hex Drive ASM           | ②1:36:7 |          | 1    | Seal Spacer        |
| ②1:14 |          | 1    | Valve And Ring ASM      | ②1:36:8 |          | 1    | Seal Face          |
| ②1:16 |          | 1    | Isolation Manifold      | ①1:37   | 66-9990  | 1    | Needle Roller Kit  |
| ②1:17 |          | 1    | Drive Link              | ②1:37:1 |          | 9    | Needle-Roller      |
| ②1:19 |          | 1    | Drive Link Spacer       | 2       | 108-6560 | 1    | Column ASM         |
| ②1:20 |          | 11   | Screw-HSH               | ②2:1    |          | 1    | Column ASM         |
| ②1:21 |          | 1    | Cover-Commutator        | 2:2     | 114-2881 | 1    | Upper Cover Gasket |
| ②1:22 |          | 1    | Commutator And Ring ASM | 2:3     | 92-7316  | 4    | Nut-Push On        |
| ②1:23 |          | 1    | Gerotor ASM             |         |          |      |                    |
| ②1:24 |          | 1    | Drive Plate             |         |          |      |                    |
| ②1:27 |          | 1    | Bearing                 |         |          |      |                    |
| ②1:28 |          | 1    | Bearing Spacer          |         |          |      |                    |
| ②1:29 |          | 1    | Metering Ring           |         |          |      |                    |
| ②1:30 |          | 1    | Upper Cover             |         |          |      |                    |
| 1:31  | 114-2879 | 1    | Seal-Lip                |         |          |      |                    |



## Engine Installation Assembly

| Ref  | Part No.    | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    |             | 1    | Engine ASM              |
| 2    | 2412-108    | 2    | Clamp-Worm              |
| 3    | 67-8190-01  | 2    | Bracket-Support, Engine |
| 4    | 2412-3      | 1    | Clamp-Hose              |
| 5    | 2412-111    | 3    | Clamp                   |
| 6    | 3334-945    | 1    | Tie-Cable               |
| 7    | 2412-130    | 2    | Clamp-Hose              |
| 8    | 3234-5      | 9    | Screw-HHF               |
| 9    | 83-9150     | 1    | Decal-Fluid, Starting   |
| 10   | 105-2539    | 1    | Cap ASM                 |
| 12   | 3234-11     | 10   | Screw-HHF               |
| 13   | 32128-20    | 6    | Nut-HF                  |
| 14   | 3256-3      | 1    | Washer-Flat             |
| 15   | 3234-36     | 3    | Screw-HHF               |
| 16   | 3290-357    | 10   | Nut-HHF, Whiz           |
| 17   | 32128-23    | 2    | Nut-HF                  |
| 18   | 98-4518-03  | 1    | Bracket-Cleaner, Air    |
| 19   | 3290-378    | 1    | Tie-Cable               |
| 20   | 3234-32     | 2    | Screw-HHF               |
| 21   | 104-9318    | 1    | Bottle-Overflow         |
| 22   | 105-0050-03 | 1    | Reservoir Bracket ASM   |
| 24   | 110-3257    | 1    | Hose-Fuel               |
| 26   | 104-3428    | 1    | Air Cleaner ASM         |
| 26:1 | 105-4292    | 1    | Nipple-Pipe             |

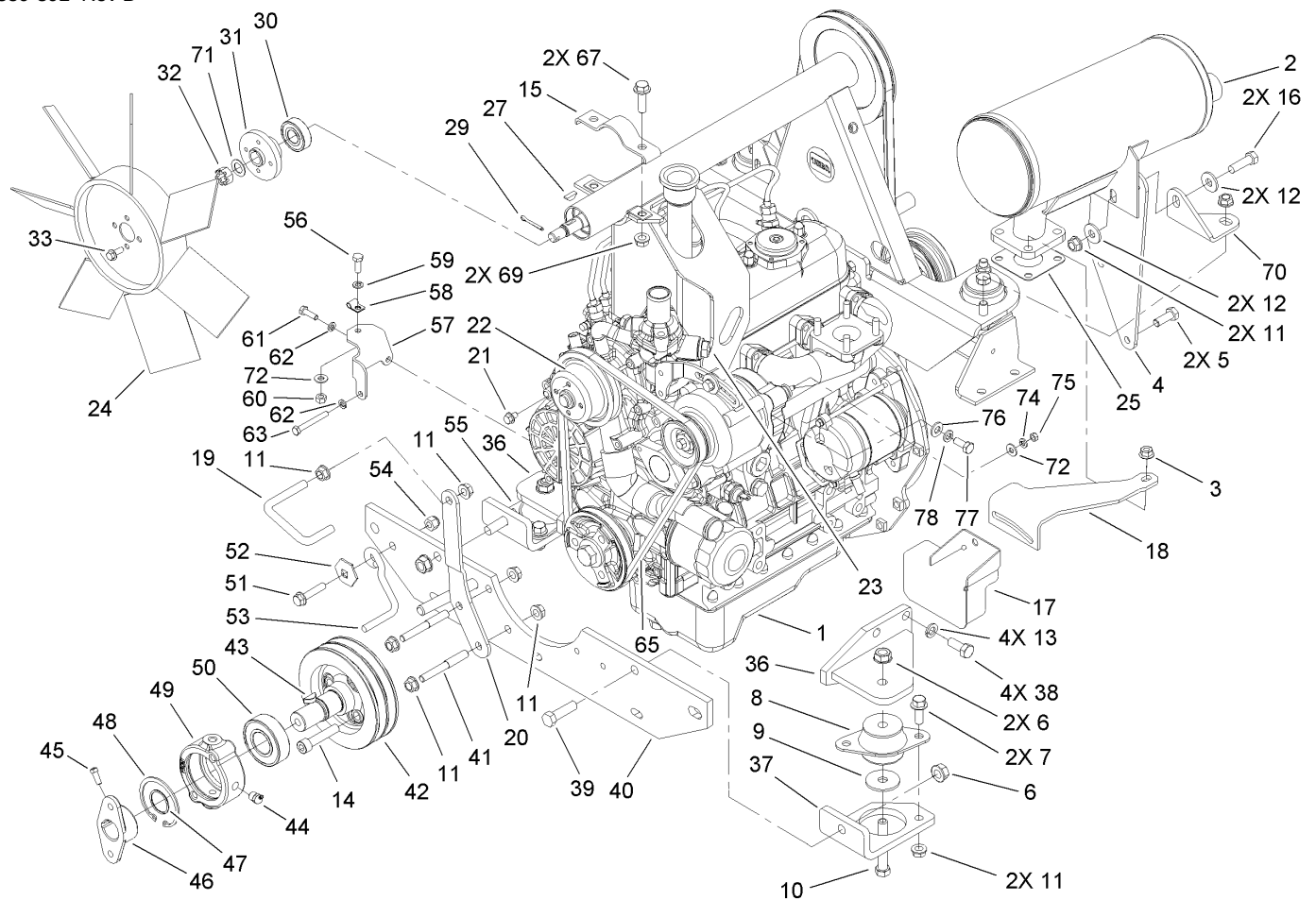
| Ref  | Part No.    | Qty. | Description                |
|------|-------------|------|----------------------------|
| 26:2 | 104-0497    | 1    | Cover ASM                  |
| 26:5 | 104-4897    | 1    | Gasket                     |
| 26:6 | 98-4525     | 1    | Bracket-Cleaner, Air       |
| 26:7 | 104-0498    | 1    | Valve-Vacuator             |
| 26:8 | 108-3810    | 1    | Filter-Air                 |
| 26:9 | 93-9164     | 1    | Indicator-Mini             |
| 27   | 104-3434    | 1    | Hose-Inlet, Air            |
| 29   | 99-3441     | 1    | Harness-Wire, Fusible Link |
| 30   | 105-7807-03 | 1    | Guard-Belt, Fan            |
| 32   | 3254-6      | 2    | Washer-Lock, Internal      |
| 34   | 70-8470     | 1    | Screw-HH                   |
| 36   | 2112-6      | 1    | Clamp-Muffler              |
| 36:1 | 3218-2      | 2    | Nut-Jam                    |
| 37   | 3253-4      | 2    | Washer-Lock                |
| 38   | 104-3774-03 | 1    | Bracket-Bulkhead           |
| 39   | 240-7       | 1    | Grommet-Rubber             |
| 40   | 32144-11    | 2    | Screw-HWHTF                |



## Engine Mounting and Component Assembly

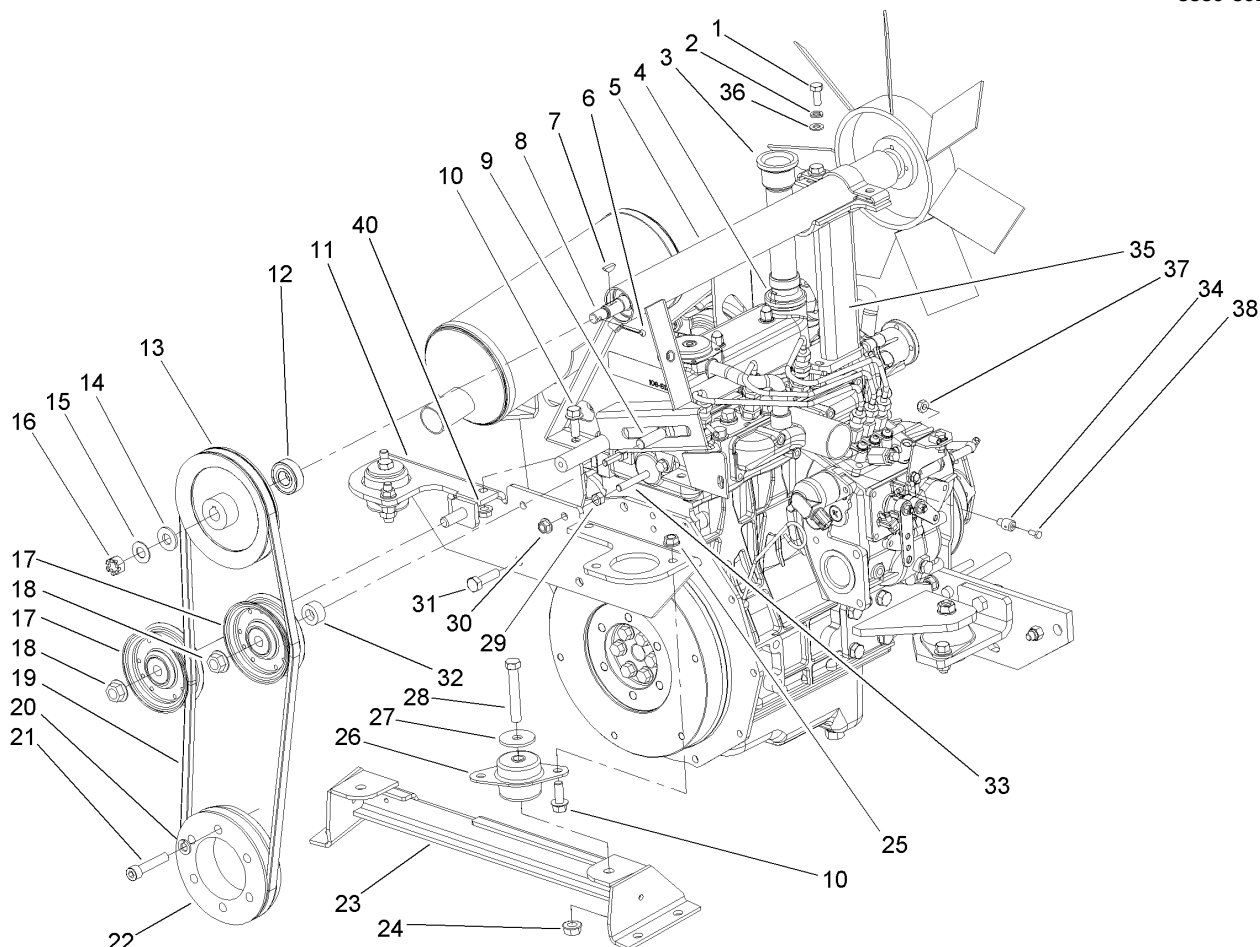
| Ref | Part No.    | Qty. | Description             |
|-----|-------------|------|-------------------------|
| 1   | 114-2890    | 1    | Engine ASM              |
| 2   | 106-8069    | 1    | Muffler-Exhaust         |
| 3   | 33004-00    | 4    | Nut-HF                  |
| 4   | 105-2523-03 | 1  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

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



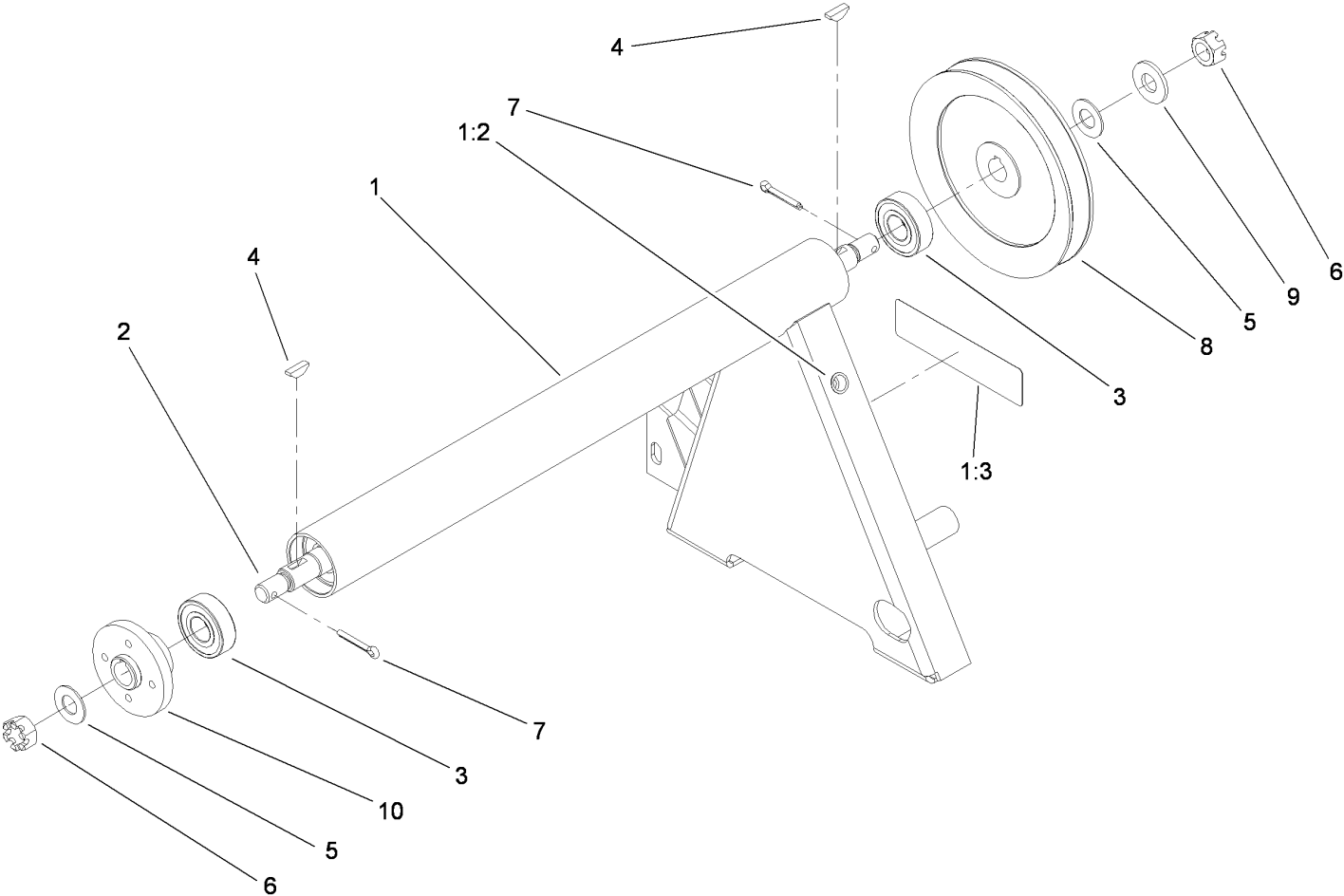
Engine Mounting and Component Assembly (continued)

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



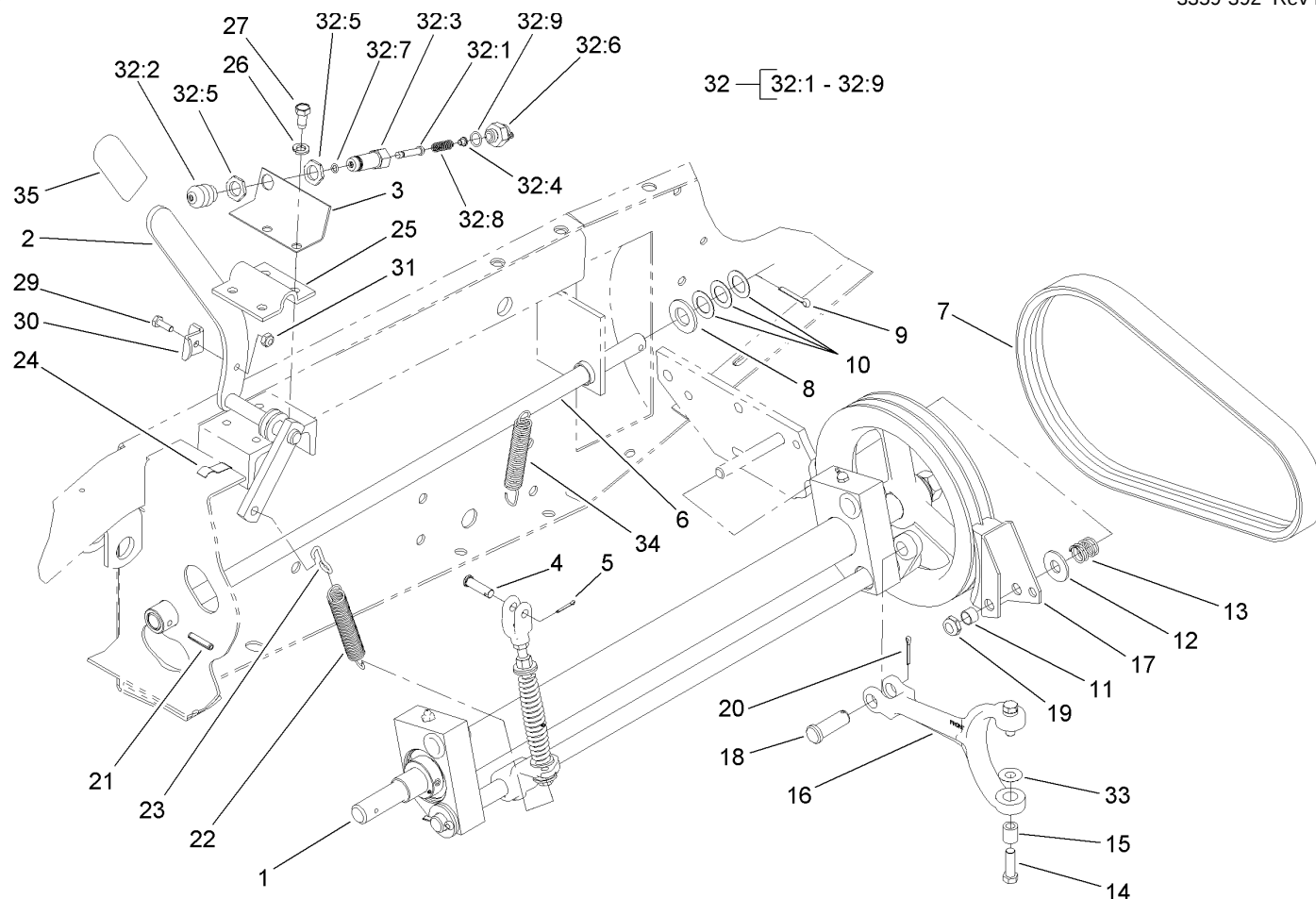
## Engine Pulley Assembly

| Ref | Part No.    | Qty. | Description         | Ref | Part No.    | Qty. | Description            |
|-----|-------------|------|---------------------|-----|-------------|------|------------------------|
| 1   | 93-7773     | 2    | Screw-HHF           | 25  | 3290-357    | 4    | Nut-HHF, Whiz          |
| 2   | 3253-4      | 2    | Washer-Lock         | 26  | 53-9680     | 2    | Mount-Engine           |
| 3   | 105-0087    | 1    | Flange-Filler, Oil  | 27  | 53-9480     | 2    | Washer-Snubber         |
| 4   | 98-7430     | 1    | O-Ring              | 28  | 324-11      | 2    | Screw-HH               |
| 5   | 106-4399    | 1    | Fan-Support ASM     | 29  | 33014-00    | 2    | Nut-Hex                |
| 6   | 3272-16     | 1    | Pin-Cotter          | 30  | 33004-00    | 2    | Nut-HF                 |
| 7   | 3257-30     | 1    | Key-Woodruff        | 31  | 56-2140     | 2    | Bolt                   |
| 8   | 43-3690     | 1    | Shaft-Fan           | 32  | 105-0058    | 1    | Spacer-Idler, Fan      |
| 9   | 3233-14     | 1    | Screw-CARR          | 33  | 105-2502    | 2    | Stud                   |
| 10  | 3234-11     | 6    | Screw-HHF           | 34  | 105-4263    | 1    | Swivel-Cable, Throttle |
| 11  | 105-2501-03 | 1    | Engine Mount ASM    | 35  | 105-2507-03 | 1    | Cradle-Support, Tube   |
| 12  | 38-7820     | 1    | Bearing-Ball        | 36  | 68-0020     | 2    | Spacer-Pivot, Idler    |
| 13  | 105-2524    | 1    | Pulley              | 37  | 3296-20     | 1    | Nut-Lock, NI           |
| 14  | 18-9810     | 2    | Washer-Thrust       | 38  | 25-8640     | 1    | Screw-HH               |
| 15  | 29-8910     | 1    | Washer              | 40  | 32128-21    | 2    | Nut-HF                 |
| 16  | 29-8910     | 1    | Washer              |     |             |      |                        |
| 17  | 105-3699    | 2    | Pulley-Idler, Flat  |     |             |      |                        |
| 18  | 32128-23    | 2    | Nut-HF              |     |             |      |                        |
| 19  | 105-3693    | 1    | Belt-Fan            |     |             |      |                        |
| 20  | 42-9600     | 6    | Washer-Lock, Spring |     |             |      |                        |
| 21  | 3274-106    | 6    | Screw-HSH           |     |             |      |                        |
| 22  | 104-3407    | 1    | Pulley-Engine, Rear |     |             |      |                        |
| 23  | 105-2520-03 | 1    | Engine Mount ASM    |     |             |      |                        |
| 24  | 3296-48     | 2    | Nut-Lock, NI        |     |             |      |                        |



Fan Support Assembly No. 106-4399

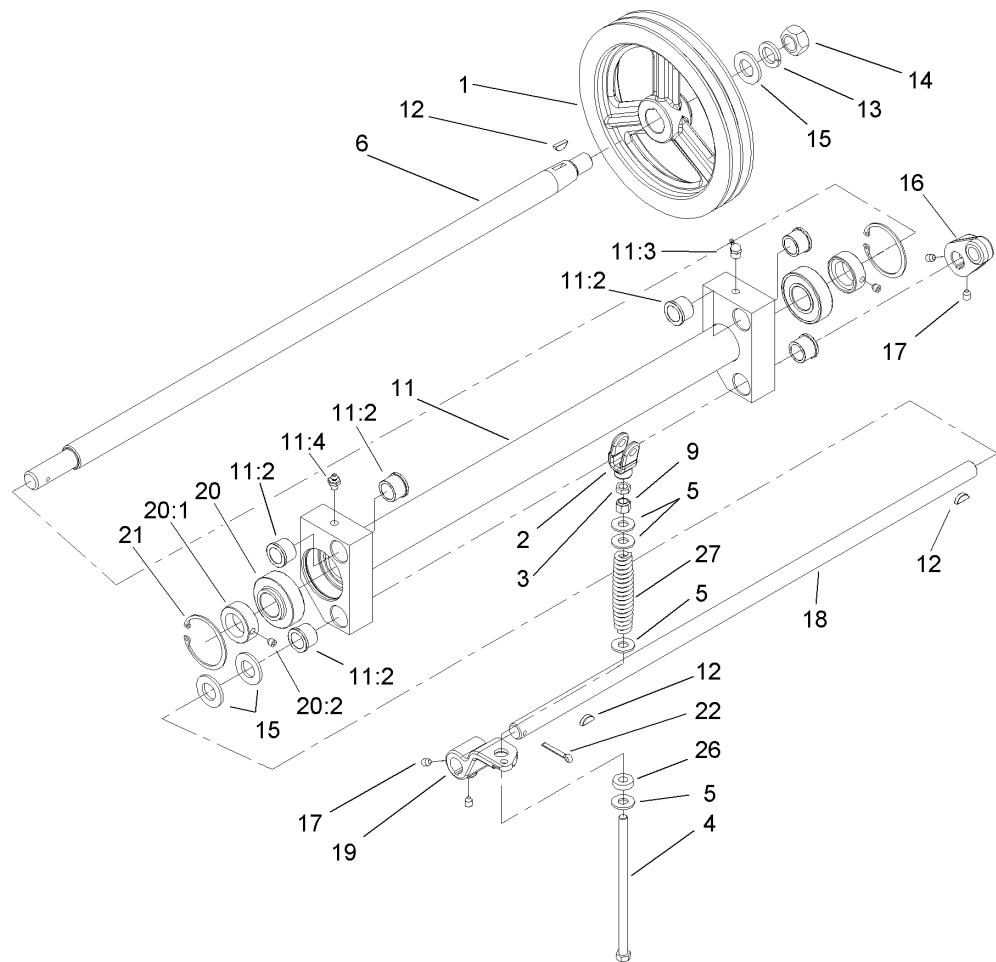
| Ref | Part No.    | Qty. | Description      |  |  |  |  |
|-----|-------------|------|------------------|--|--|--|--|
| 1   | 105-2592    | 1    | Tube Support ASM |  |  |  |  |
| 1:2 | 3290-472    | 2    | Insert-Threaded  |  |  |  |  |
| 1:3 | 106-8120    | 1    | Decal-Danger, Ce |  |  |  |  |
| 2   | 43-3690     | 1    | Shaft-Fan        |  |  |  |  |
| 3   | 38-7820     | 2    | Bearing-Ball     |  |  |  |  |
| 4   | 3257-30     | 2    | Key-Woodruff     |  |  |  |  |
| 5   | 18-9810     | 2    | Washer-Thrust    |  |  |  |  |
| 6   | 32136-3     | 2    | Nut-SHH          |  |  |  |  |
| 7   | 3272-16     | 2    | Pin-Cotter       |  |  |  |  |
| 8   | 105-2524    | 1    | Pulley           |  |  |  |  |
| 9   | 29-8910     | 1    | Washer           |  |  |  |  |
| 10  | 104-3408-03 | 1    | Hub-Fan          |  |  |  |  |



## Power-Take-Off and Shaft Assembly

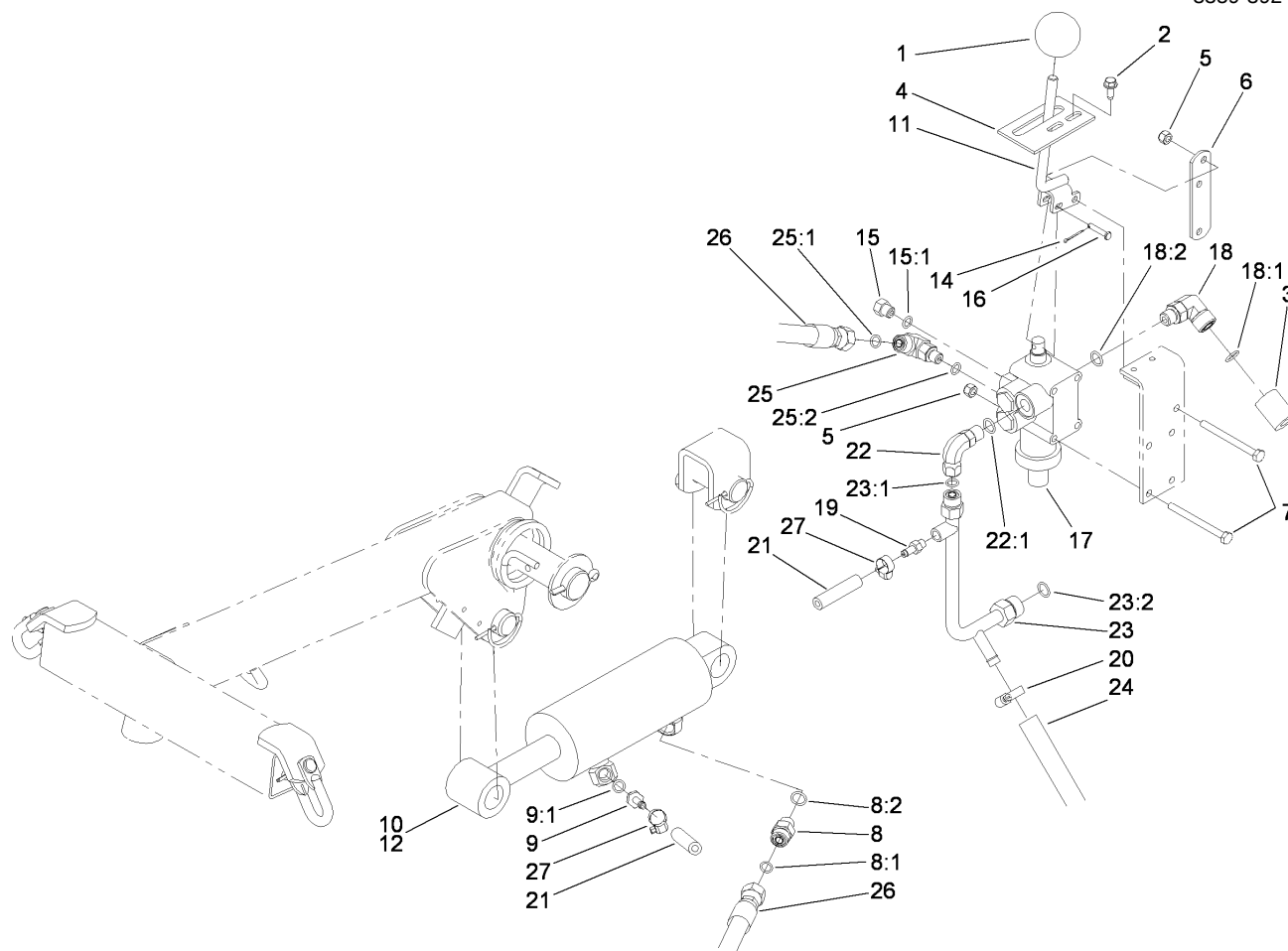
| Ref | Part No.    | Qty. | Description           |
|-----|-------------|------|-----------------------|
| 1   |             | 1    | PTO ASM               |
| 2   | 84-8500-01  | 1    | Lever-PTO             |
| 3   | 84-8520-01  | 1    | Bracket-Switch, PTO   |
| 4   | 283-42      | 1    | Pin-Clevis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

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



## Power-Take-Off Assembly

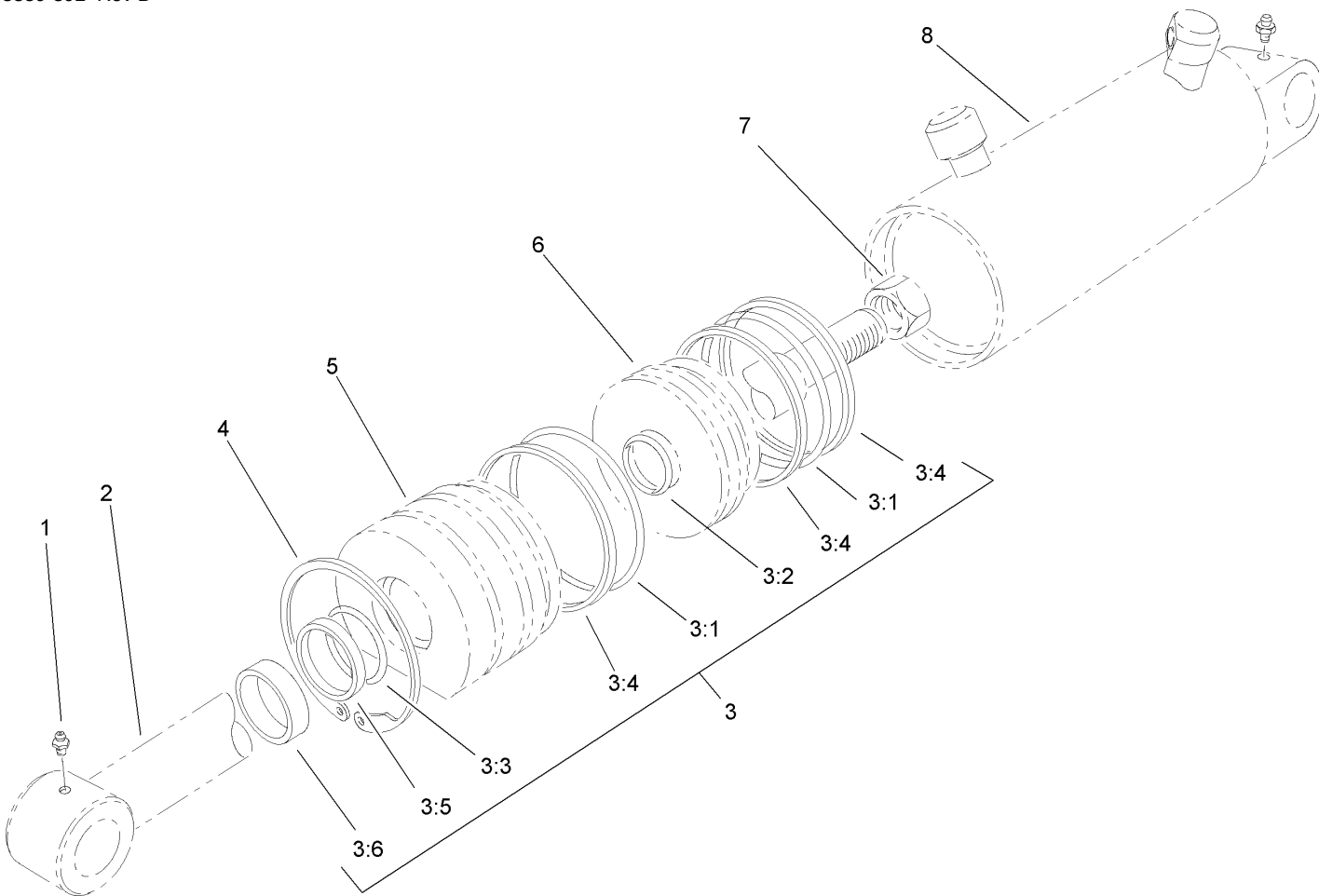
| Ref  | Part No. | Qty. | Description         | Ref | Part No.   | Qty. | Description        |
|------|----------|------|---------------------|-----|------------|------|--------------------|
| 1    | 21-0230  | 1    | Pulley-PTO          | 26  | 5-0652     | 1    | Spacer             |
| 2    | 43-5630  | 1    | Yoke-PTO            | 27  | 21-0400-01 | 1    | Spring-Compression |
| 3    | 3219-3   | 1    | Nut-Hex             |     |            |      |                    |
| 4    | 27-7900  | 1    | Screw-Adjusting     |     |            |      |                    |
| 5    | 3256-41  | 4    | Washer              |     |            |      |                    |
| 6    | 43-5540  | 1    | Shaft-PTO           |     |            |      |                    |
| 9    | 3296-6   | 1    | Nut-Lock            |     |            |      |                    |
| 11   | 100-6599 | 1    | PTO Pivot ASM       |     |            |      |                    |
| 11:2 | 256-113  | 6    | Bushing-Flange      |     |            |      |                    |
| 11:3 | 302-10   | 1    | Fitting-Grease      |     |            |      |                    |
| 11:4 | 302-2    | 1    | Fitting-Grease      |     |            |      |                    |
| 12   | 3257-5   | 3    | Key-Woodruff        |     |            |      |                    |
| 13   | 3254-7   | 1    | Washer-Lock, Int    |     |            |      |                    |
| 14   | 3219-7   | 1    | Nut-Hex             |     |            |      |                    |
| 15   | 3256-28  | 3    | Washer-Flat         |     |            |      |                    |
| 16   | 92-4058  | 1    | Arm-PTO             |     |            |      |                    |
| 17   | 3246-3   | 4    | Screw-HSH           |     |            |      |                    |
| 18   | 43-5550  | 1    | Shaft-Actuator, PTO |     |            |      |                    |
| 19   | 43-5570  | 1    | Arm-Actuator        |     |            |      |                    |
| 20   | 251-252  | 2    | Bearing             |     |            |      |                    |
| 20:1 | 251-234  | 1    | Collar-Locking      |     |            |      |                    |
| 20:2 | 106-9662 | 1    | Screw-Set, HSH      |     |            |      |                    |
| 21   | 32120-22 | 2    | Ring-Snap, Internal |     |            |      |                    |
| 22   | 3272-22  | 1    | Pin-Cotter          |     |            |      |                    |



## Valve and Cylinder Assembly

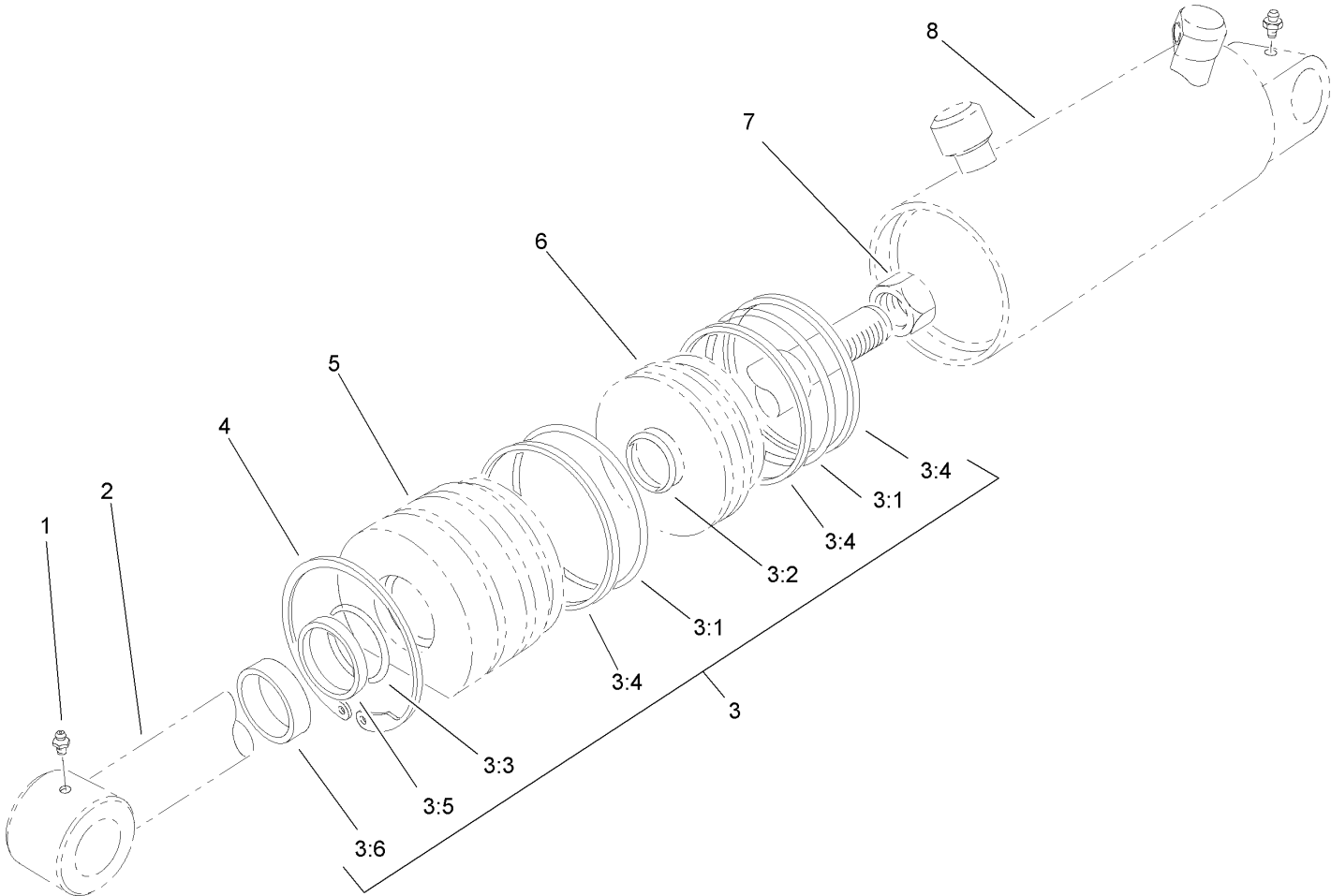
| Ref  | Part No.    | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 233-21      | 1    | Knob                     |
| 2    | 32144-10    | 2    | Screw-HWH                |
| 3    | 38-3400     | 1    | Guard-Rubber             |
| 4    | 105-7806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

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



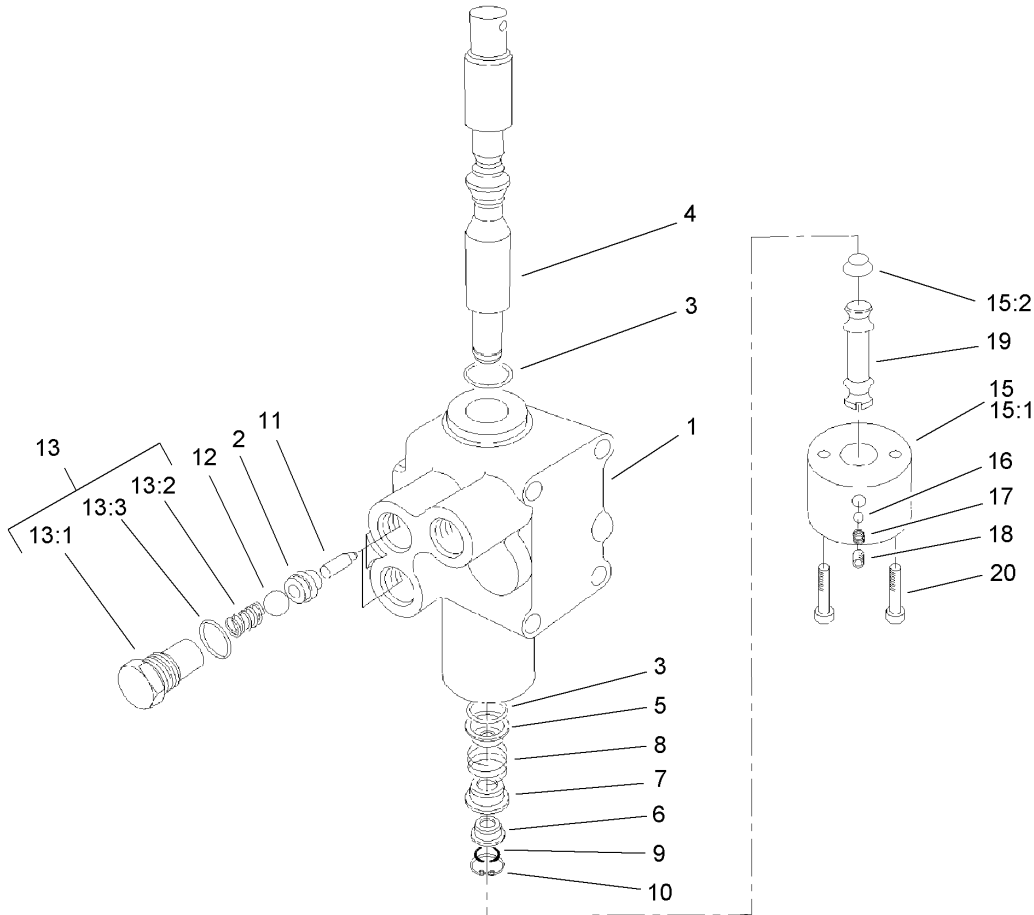
Hydraulic Cylinder Assembly No. 100-6586 (2-1/2in Bore)

| Ref | Part No. | Qty. | Description    |  |  |  |  |
|-----|----------|------|----------------|--|--|--|--|
| 1   | 302-55   | 2    | Fitting-Grease |  |  |  |  |
| 2   |          | 1    | Shaft          |  |  |  |  |
| 3   | 61-4960  | 1    | Seal Kit       |  |  |  |  |
| 3:1 |          | 2    | O-Ring         |  |  |  |  |
| 3:2 |          | 1    | O-Ring         |  |  |  |  |
| 3:3 |          | 1    | O-Ring         |  |  |  |  |
| 3:4 |          | 3    | Backup         |  |  |  |  |
| 3:5 |          | 1    | Backup         |  |  |  |  |
| 3:6 |          | 1    | Seal-Dust      |  |  |  |  |
| 4   | 61-4990  | 1    | Ring-Retaining |  |  |  |  |
| 5   |          | 1    | Head           |  |  |  |  |
| 6   |          | 1    | Piston         |  |  |  |  |
| 7   |          | 1    | Nut            |  |  |  |  |
| 8   |          | 1    | Barrel         |  |  |  |  |



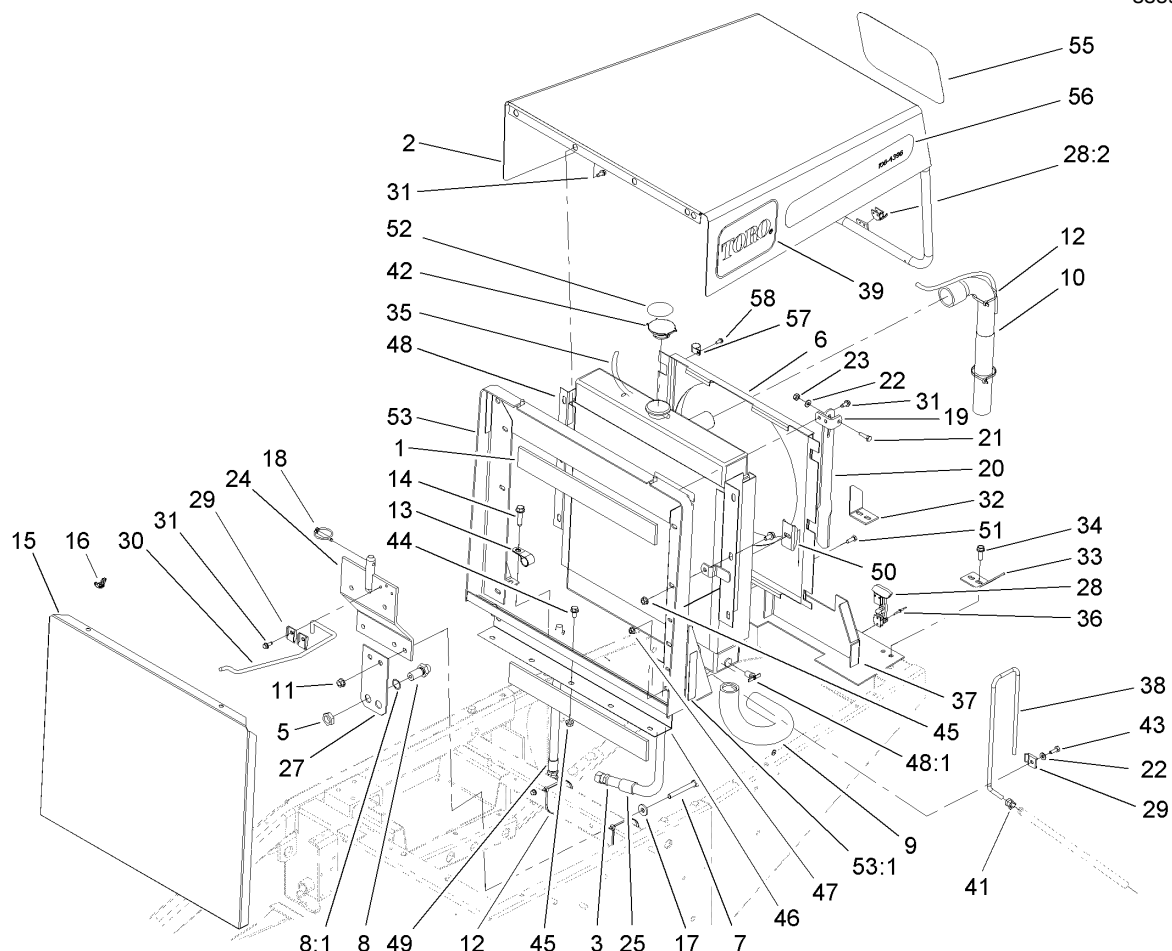
**Hydraulic Cylinder Assembly No. 100-6591 (3in Bore)  
(Optional)**

| Ref | Part No. | Qty. | Description    |  |  |  |  |
|-----|----------|------|----------------|--|--|--|--|
| 1   | 302-55   | 2    | Fitting-Grease |  |  |  |  |
| 2   |          | 1    | Shaft          |  |  |  |  |
| 3   | 67-5500  | 1    | Seal Kit       |  |  |  |  |
| 3:1 |          | 2    | O-Ring         |  |  |  |  |
| 3:2 |          | 1    | O-Ring         |  |  |  |  |
| 3:3 |          | 1    | O-Ring         |  |  |  |  |
| 3:4 |          | 3    | Backup         |  |  |  |  |
| 3:5 |          | 1    | Backup         |  |  |  |  |
| 3:6 |          | 1    | Seal-Dust      |  |  |  |  |
| 4   | 67-5470  | 1    | Ring-Snap      |  |  |  |  |
| 5   |          | 1    | Head           |  |  |  |  |
| 6   |          | 1    | Piston         |  |  |  |  |
| 7   |          | 1    | Nut            |  |  |  |  |
| 8   |          | 1    | Barrel         |  |  |  |  |



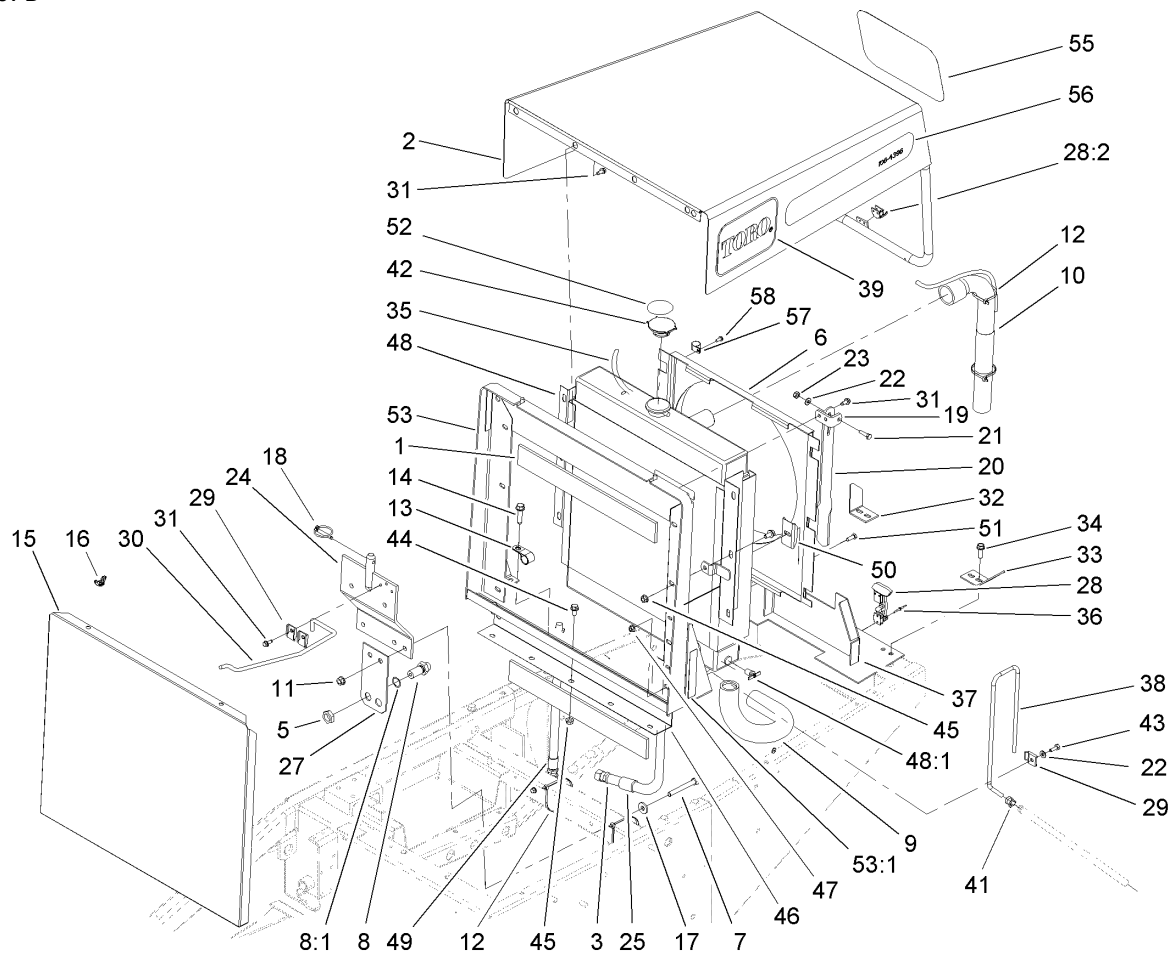
Valve Assembly No. 106-8071-01

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



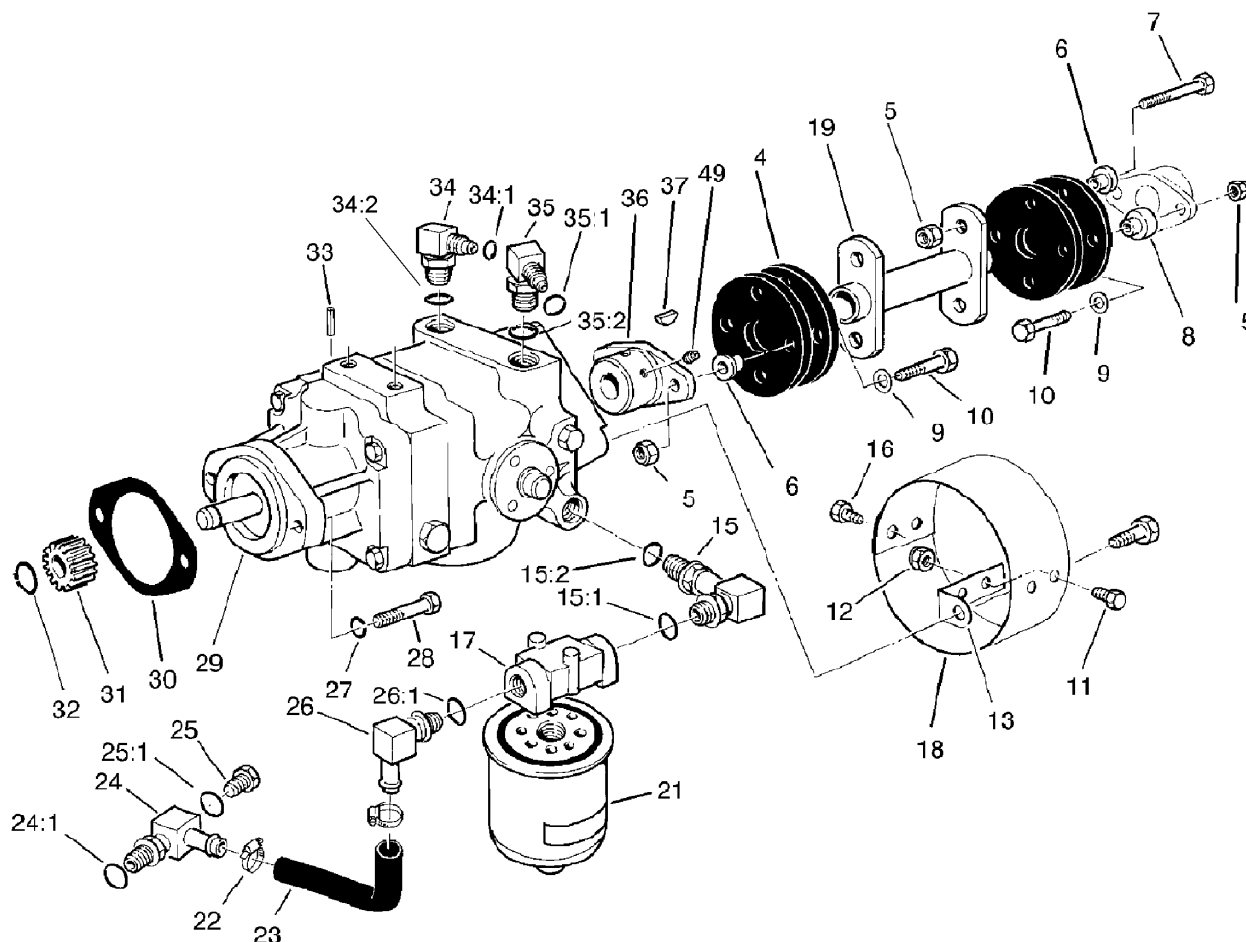
## Radiator and Hood Assembly

| Ref | Part No.    | Qty. | Description                | Ref  | Part No.    | Qty. | Description          |
|-----|-------------|------|----------------------------|------|-------------|------|----------------------|
| 1   | 43-3320     | 2    | Foam-Radiator              | 25   | 38-3400     | 1    | Guard-Rubber         |
| 2   | 105-2919    | 1    | Hood ASM                   | 27   | 68-9160     | 1    | Bracket              |
| 3   | 63-9010     | 1    | Hose-Coolant, Transmission | 28   | 59-9740     | 1    | Flex Draw Latch ASM  |
| 5   | 340-70      | 2    | Nut-Lock                   | 28:2 | 249-40      | 1    | Keeper               |
| 6   | 105-0007-03 | 1    | Fan Shroud ASM             | 29   | 3-6657      | 4    | Clip-Skid            |
| 7   | 323-14      | 3    | Screw-HH                   | 30   | 86-7040     | 1    | Rod-Prop, Seat       |
| 8   | 340-71      | 2    | Fitting-Straight, Bulkhead | 31   | 32144-10    | 7    | Screw-HWH            |
| 8:1 | 237-22      | 2    | O-Ring                     | 32   | 62-3010-01  | 1    | Bracket-RH           |
| 9   | 104-3432    | 1    | Hose-Radiator, Bottom      | 33   | 62-3020-01  | 1    | Bracket-LH           |
| 10  | 104-3433    | 1    | Hose-Radiator, Top         | 34   | 3234-17     | 4    | Screw-HHF            |
| 11  | 32128-21    | 3    | Nut-HF                     | 35   | 110-4109    | 1    | Hose-Fuel            |
| 12  | 3290-379    | 6    | Tie-Cable                  | 36   | 3290-55     | 4    | Rivet-Pop            |
| 13  | 2412-4      | 1    | Clamp                      | 37   | 105-4255-01 | 1    | Pulley Guard ASM     |
| 14  | 11-0590     | 1    | Screw-HWHTF                | 38   | 105-4265    | 1    | Tube-Vent            |
| 15  | 67-9030-03  | 1    | Grille ASM                 | 39   | 62-7400     | 2    | Decal                |
| 16  | 32103-2     | 2    | Nut-Wing                   | 41   | 2412-108    | 1    | Clamp-Worm           |
| 17  | 5-0838      | 3    | Washer                     | 42   | 66-3240     | 1    | Cap-Radiator         |
| 18  | 283-76      | 1    | Pin-Lynch                  | 43   | 321-4       | 2    | Screw-HH             |
| 19  | 84-5330     | 1    | Bracket-Prop, Hood         | 44   | 3234-14     | 13   | Screw-HHF            |
| 20  | 84-5380     | 1    | Strap-Prop, Hood           | 45   | 32128-20    | 13   | Nut-HF               |
| 21  | 321-6       | 1    | Screw-HH                   | 46   | 105-4264-03 | 1    | Grill-Plate, Sealing |
| 22  | 3256-22     | 3    | Washer-Flat                | 47   | 32128-33    | 1    | Nut-HF               |
| 23  | 3296-16     | 1    | Nut-Lock, NI               | 48   | 108-8699    | 1    | Radiator ASM         |
| 24  | 105-2542-01 | 1    | Bracket-Support, Seat      | 48:1 | 304-46      | 1    | Draincock            |



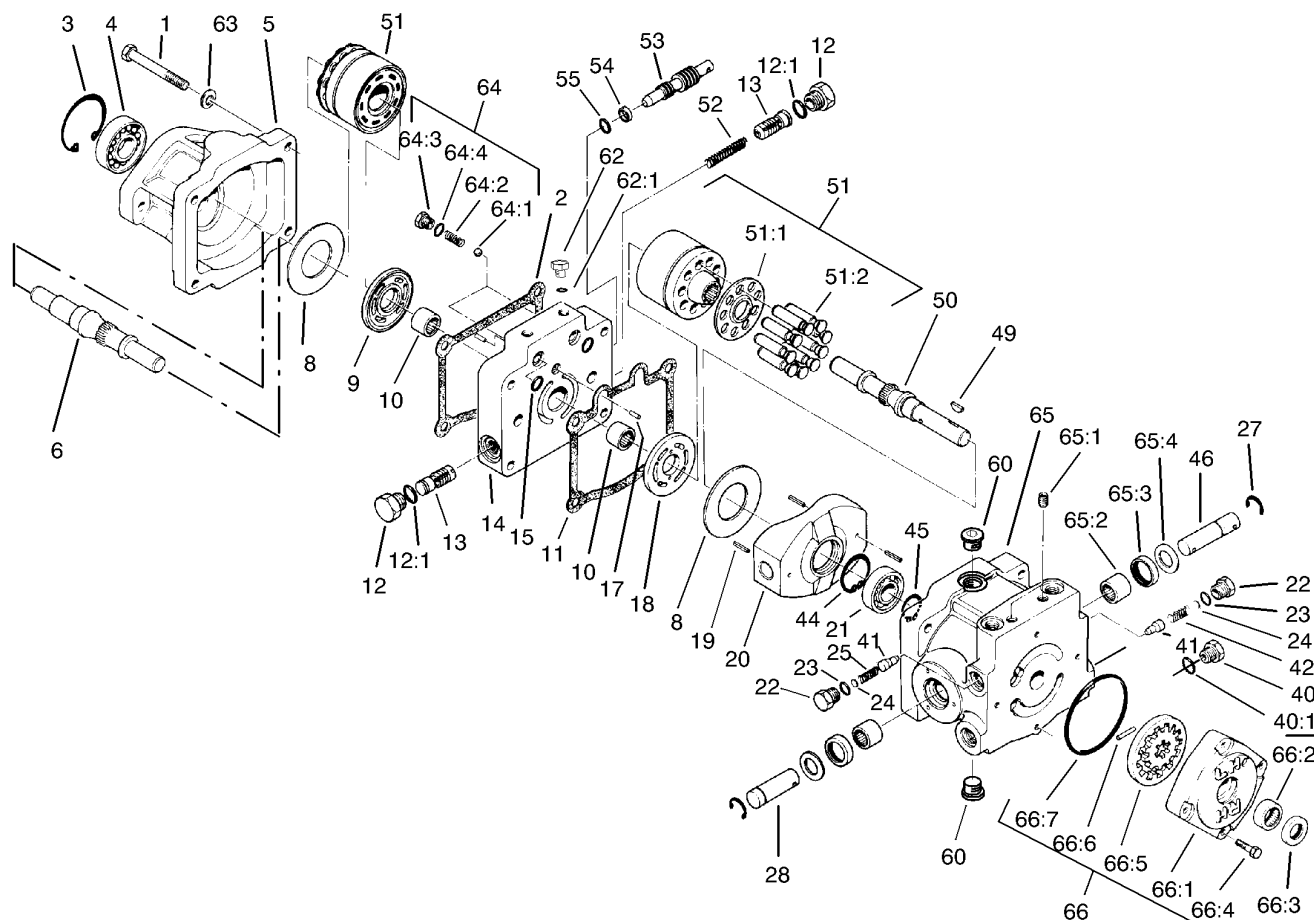
## Radiator and Hood Assembly (continued)

| Ref  | Part No.    | Qty. | Description               |  |  |  |  |
|------|-------------|------|---------------------------|--|--|--|--|
| 49   | 63-8960     | 1    | Hose                      |  |  |  |  |
| 50   | 105-0012-03 | 6    | Clip-Mounting, Fan Shroud |  |  |  |  |
| 51   | 3234-33     | 6    | Screw-HHF                 |  |  |  |  |
| 52   | 106-5976    | 1    | Decal-Warning             |  |  |  |  |
| 53   | 105-2918    | 1    | Radiator Support ASM      |  |  |  |  |
| 53:1 | 77-3100     | 3    | Decal-Warning             |  |  |  |  |
| 55   | 66-6140     | 1    | Decal                     |  |  |  |  |
| 56   | 106-4396    | 2    | Decal                     |  |  |  |  |
| 57   | 2412-83     | 1    | Clamp-Cable               |  |  |  |  |
| 58   | 32144-1     | 1    | Screw-Taptite             |  |  |  |  |



## Transmission Assembly

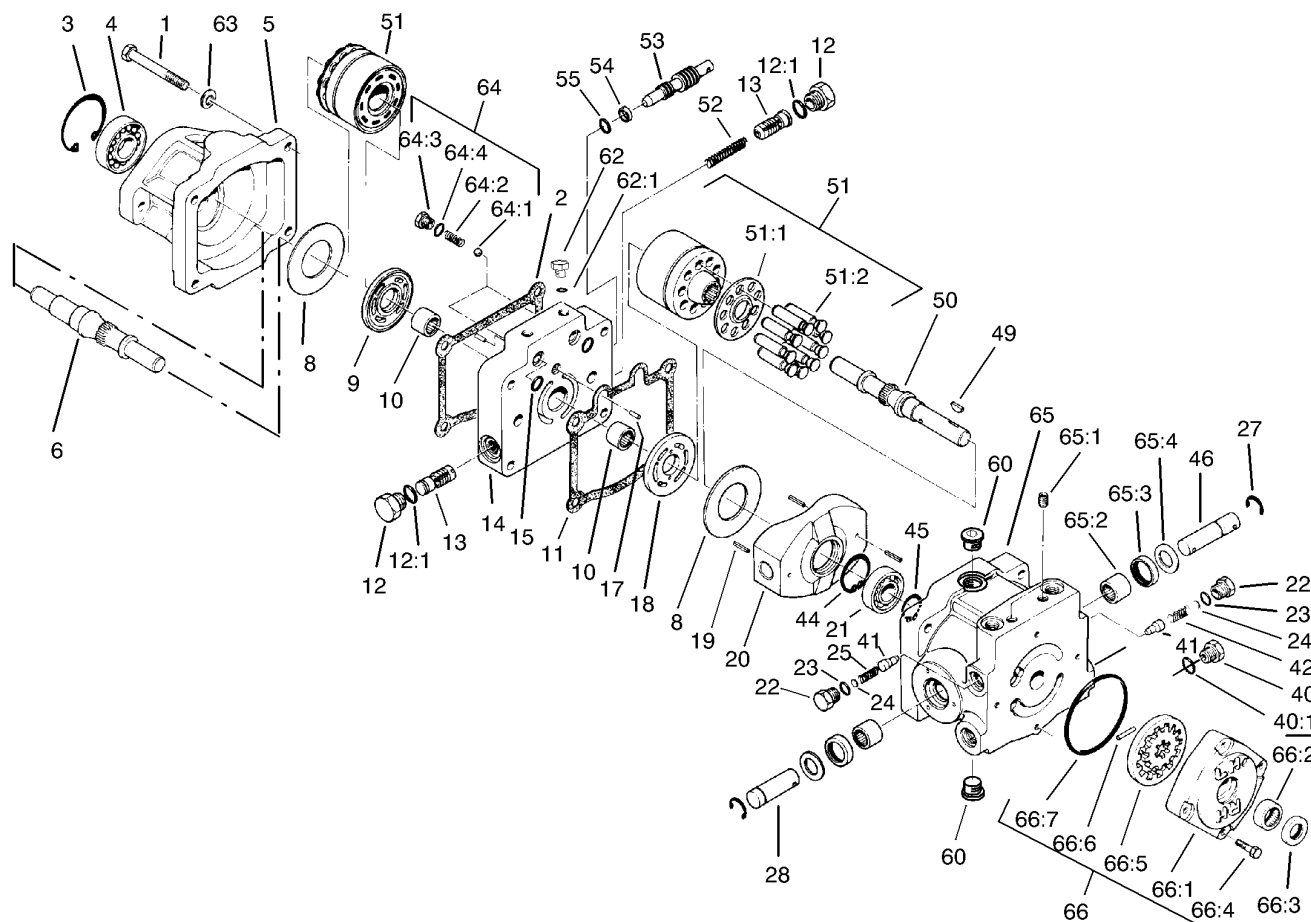
| Ref  | Part No.    | Qty. | Description         | Ref  | Part No. | Qty. | Description         |
|------|-------------|------|---------------------|------|----------|------|---------------------|
| 4    | 44-2230     | 4    | Coupling-Rubber     | 26   | 353-987  | 1    | Fitting-HYD, 90     |
| 5    | 32152-1     | 8    | Nut-Lock, Cone      | 26:1 | 237-81   | 1    | O-Ring              |
| 6    | 71-4411     | 4    | Spacer              | 27   | 3253-21  | 2    | Washer-Lock         |
| 7    | 322-8       | 4    | Screw-HH            | 28   | 323-7    | 2    | Screw-HH            |
| 8    | 71-4410     | 4    | Spacer              | 29   | 92-8947  | 1    | Transmission ASM    |
| 9    | 3256-3      | 4    | Washer-Flat         | 30   | 41-8760  | 1    | Gasket              |
| 10   | 322-10      | 4    | Screw-HH            | 31   | 86-7220  | 1    | Gear-Pinion         |
| 11   | 321-2       | 2    | Screw-HH            | 32   | 32120-72 | 1    | Ring-Snap           |
| 12   | 3296-42     | 4    | Nut-Lock, NI        | 33   | 32121-6  | 1    | Pin-Roll, Slotted   |
| 13   | 54-9290     | 2    | Bracket-Mounting    | 34   | 340-77   | 1    | Fitting-HYD, 90 DEG |
| 15   | 68-8660     | 1    | Fitting-HYD, 90 DEG | 34:1 | 237-22   | 1    | O-Ring              |
| 15:1 | 237-80      | 1    | O-Ring              | 34:2 | 237-42   | 1    | O-Ring              |
| 15:2 | 237-81      | 1    | O-Ring              | 35   | 340-99   | 1    | Fitting-HYD, 90 DEG |
| 16   | 321-4       | 2    | Screw-HH            | 35:1 | 237-30   | 1    | O-Ring              |
| 17   | 68-8990     | 1    | Filter Head ASM     | 35:2 | 237-42   | 1    | O-Ring              |
| 18   | 54-9300-03  | 1    | Cover-Shaft, Pump   | 36   | 110-9695 | 1    | Hub-Pump            |
| 19   | 105-0033-03 | 1    | Drive Shaft ASM     | 37   | 3257-32  | 1    | Key-Woodruff        |
| 21   | 23-9740     | 1    | Filter-Oil          | 49   | 3241-5   | 2    | Screw-Set           |
| 22   | 2412-129    | 2    | Clamp-Hose          |      |          |      |                     |
| 23   | 68-9650     | 1    | Hose-Axle           |      |          |      |                     |
| 24   | 70-2620     | 1    | Fitting-HYD, 90 DEG |      |          |      |                     |
| 24:1 | 237-81      | 1    | O-Ring              |      |          |      |                     |
| 25   | 353-508     | 1    | Plug                |      |          |      |                     |
| 25:1 | 237-42      | 1    | O-Ring              |      |          |      |                     |



## Transmission Assembly No. 92-8947

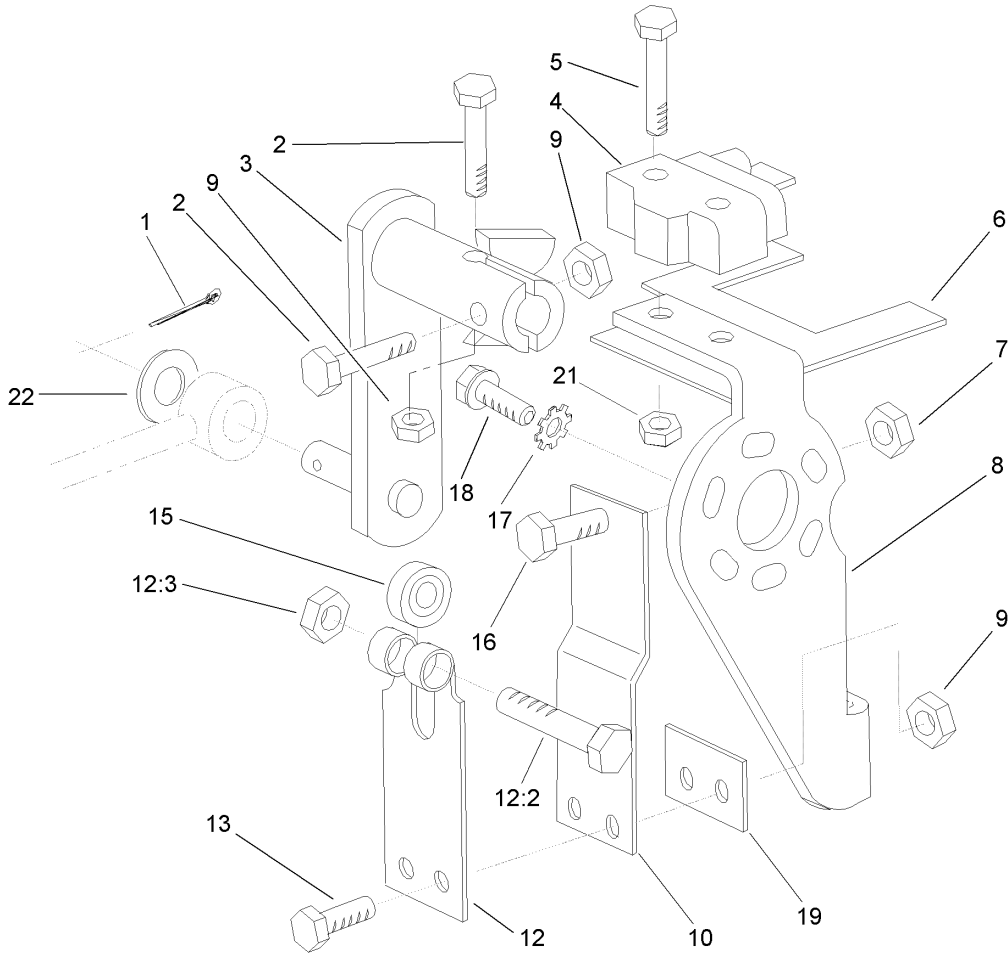
| Ref  | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 1    | 323-56   | 4    | Screw-HH              |
| 2    | 67-9100  | 1    | Gasket                |
| 3    | 32120-8  | 1    | Ring-Snap             |
| 4    | 72-3750  | 1    | Bearing-Roller    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

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



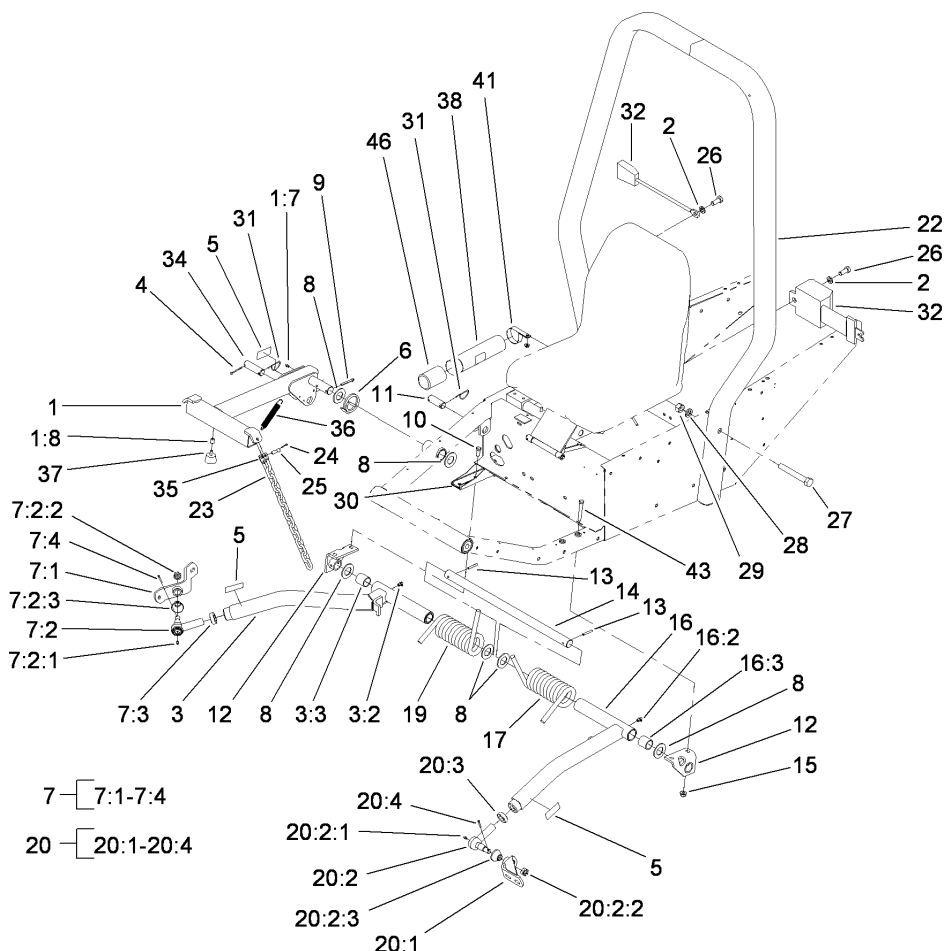
## Transmission Assembly No. 92-8947 (continued)

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



Neutral Centering Device Assembly

| Ref  | Part No.    | Qty. | Description              |  |  |  |  |
|------|-------------|------|--------------------------|--|--|--|--|
| 1    | 3272-10     | 1    | Pin-Cotter               |  |  |  |  |
| 2    | 321-9       | 2    | Screw-HH                 |  |  |  |  |
| 3    | 108-6555-03 | 1    | Pump Lever ASM           |  |  |  |  |
| 4    | 29-6163     | 1    | Switch-Micro             |  |  |  |  |
| 5    | 32105-21    | 2    | Screw-HH                 |  |  |  |  |
| 6    | 46-8810     | 1    | Stop-Spring, Leaf        |  |  |  |  |
| 7    | 3219-2      | 1    | Nut-Hex                  |  |  |  |  |
| 8    | 29-6120-03  | 1    | Pump Plate ASM           |  |  |  |  |
| 9    | 3296-42     | 4    | Nut-Lock, NI             |  |  |  |  |
| 10   | 29-6170     | 1    | Extended Leaf Spring ASM |  |  |  |  |
| 12   | 110-9650    | 1    | Leaf Spring ASM          |  |  |  |  |
| 12:2 | 36-2250     | 1    | Bolt-Shoulder            |  |  |  |  |
| 12:3 | 3296-42     | 1    | Nut-Lock, NI             |  |  |  |  |
| 13   | 321-6       | 2    | Screw-HH                 |  |  |  |  |
| 15   | 251-259     | 1    | Bearing-Ball             |  |  |  |  |
| 16   | 3210-7      | 1    | Screw-HH                 |  |  |  |  |
| 17   | 3255-7      | 3    | Washer-Lock/EXT          |  |  |  |  |
| 18   | 49-2040     | 3    | Screw-HWHTF              |  |  |  |  |
| 19   | 51-3150     | 1    | Shim-Arm, Spring         |  |  |  |  |
| 21   | 3296-9      | 2    | Nut-Lock                 |  |  |  |  |
| 22   | 3256-6      | 1    | Washer-Flat              |  |  |  |  |

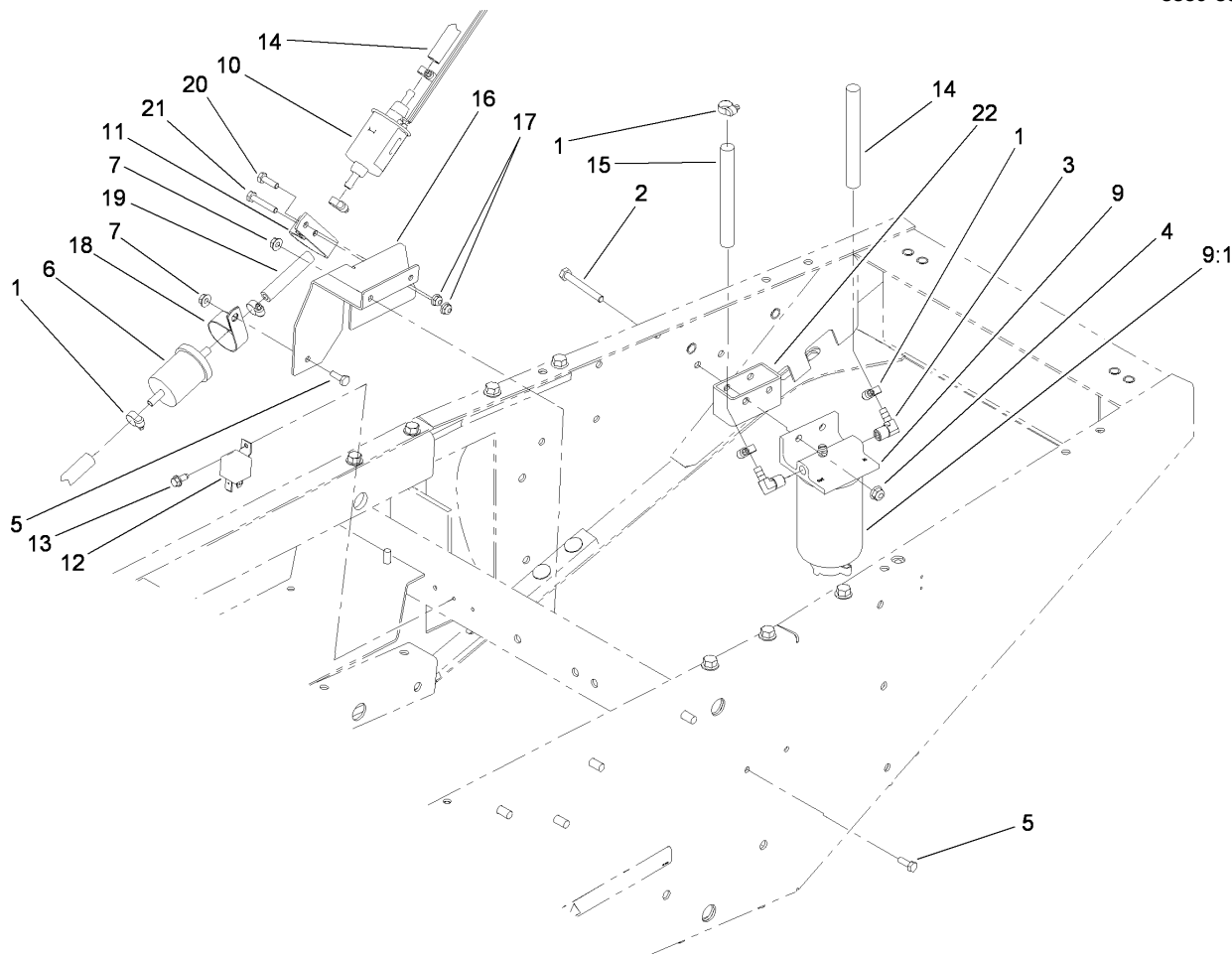


## Push Arm and Roll-Over Protection System Assembly

| Ref   | Part No.   | Qty. | Description          |
|-------|------------|------|----------------------|
| 1     | 66-6370    | 1    | Lift Arm ASM         |
| 1:7   | 302-5      | 1    | Fitting-Grease       |
| 1:8   | 3290-472   | 1    | Insert-Threaded      |
| 2     | 3253-6     | 2    | Washer-Lock          |
| 3     | 66-7150    | 1    | Arm-Push, RH         |
| 3:2   | 302-33     | 1    | Fitting-Grease       |
| 3:3   | 256-126    | 2    | Bushing              |
| 4     | 3272-24    | 1    | Pin-Cotter           |
| 5     | 55-4300    | 3    | Decal-Warning        |
| 6     | 46-8840-01 | 1    | Spring-Lift Arm      |
| 7     |            | 1    | RH Ball Joint ASM    |
| 7:1   | 21-3020-01 | 1    | Mount-Balljoint, RH  |
| 7:2   | 86-8100-01 | 1    | Ball Joint ASM       |
| 7:2:1 | 302-5      | 1    | Fitting-Grease       |
| 7:2:2 | 32136-2    | 1    | Nut-SHH              |
| 7:2:3 | 114-2874   | 1    | Seal-Ball Joint      |
| 7:3   | 21-3000    | 1    | Nut-HJ               |
| 7:4   | 3272-11    | 1    | Pin-Cotter           |
| 8     | 5-1754     | 6    | Washer-Flat          |
| 9     | 3272-33    | 1    | Pin-Cotter           |
| 10    | 110-9672   | 2    | Screw-HH             |
| 11    | 3-7292     | 1    | Pin-Clevis           |
| 12    | 21-2860-01 | 2    | Push Arm Bracket ASM |
| 13    | 32121-84   | 2    | Pin-Spiral           |

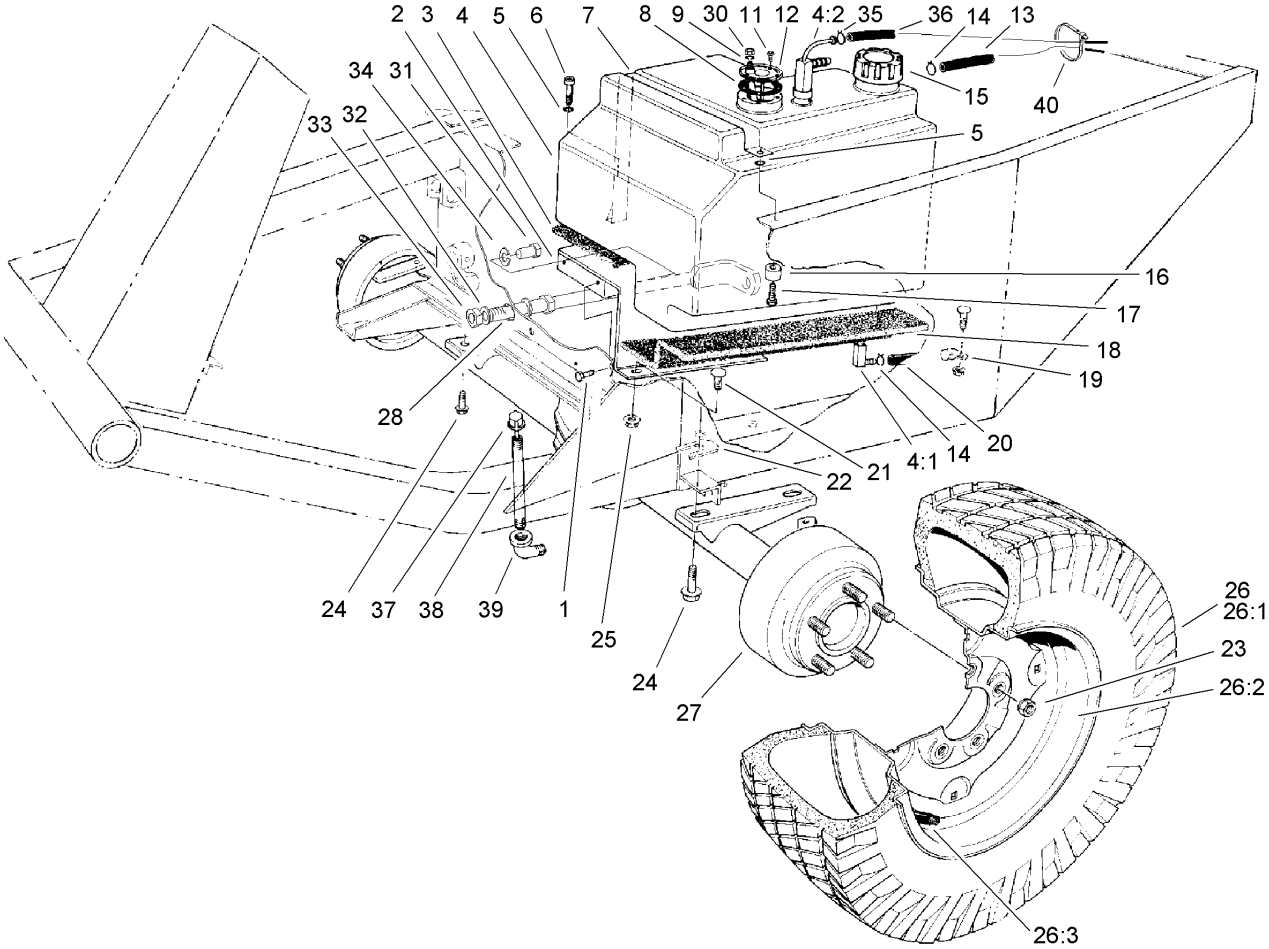
| Ref    | Part No.    | Qty. | Description                |
|--------|-------------|------|----------------------------|
| 14     | 21-2990     | 1    | Shaft-Pivot                |
| 15     | 110-9671    | 4    | Nut-HF                     |
| 16     | 21-2960     | 1    | Arm-Push, LH               |
| 16:2   | 302-33      | 1    | Fitting-Grease             |
| 16:3   | 256-126     | 2    | Bushing                    |
| 17     | 105-9550-01 | 1    | Spring-Torsion, LH (Light) |
| 17     | 21-2900-01  | 1    | Spring-Torsion, LH         |
| 19     | 21-2890-01  | 1    | Spring-Torsion, RH         |
| 20     |             | 1    | LH Ball Joint ASM          |
| 20:1   | 21-3050-01  | 1    | LH Ball Joint Mount ASM    |
| 20:2   | 86-8100-01  | 1    | Ball Joint ASM             |
| 20:2:1 | 302-5       | 1    | Fitting-Grease             |
| 20:2:2 | 32136-2     | 1    | Nut-SHH                    |
| 20:2:3 | 114-2874    | 1    | Seal-Ball Joint            |
| 20:3   | 21-3000     | 1    | Nut-HJ                     |
| 20:4   | 3272-11     | 1    | Pin-Cotter                 |
| 22     | 99-1299-03  | 1    | ROPS-2 Post                |
| 23     | 3-1365      | 3    | Chain                      |
| 24     | 3272-10     | 6    | Pin-Cotter                 |
| 25     | 283-10      | 6    | Pin-Clevis                 |
| 26     | 3212-4      | 2    | Screw-HH                   |
| 27     | 328-12      | 4    | Screw-HH                   |
| 28     | 3253-9      | 4    | Washer-Lock                |
| 29     | 3217-12     | 4    | Nut-Hex                    |





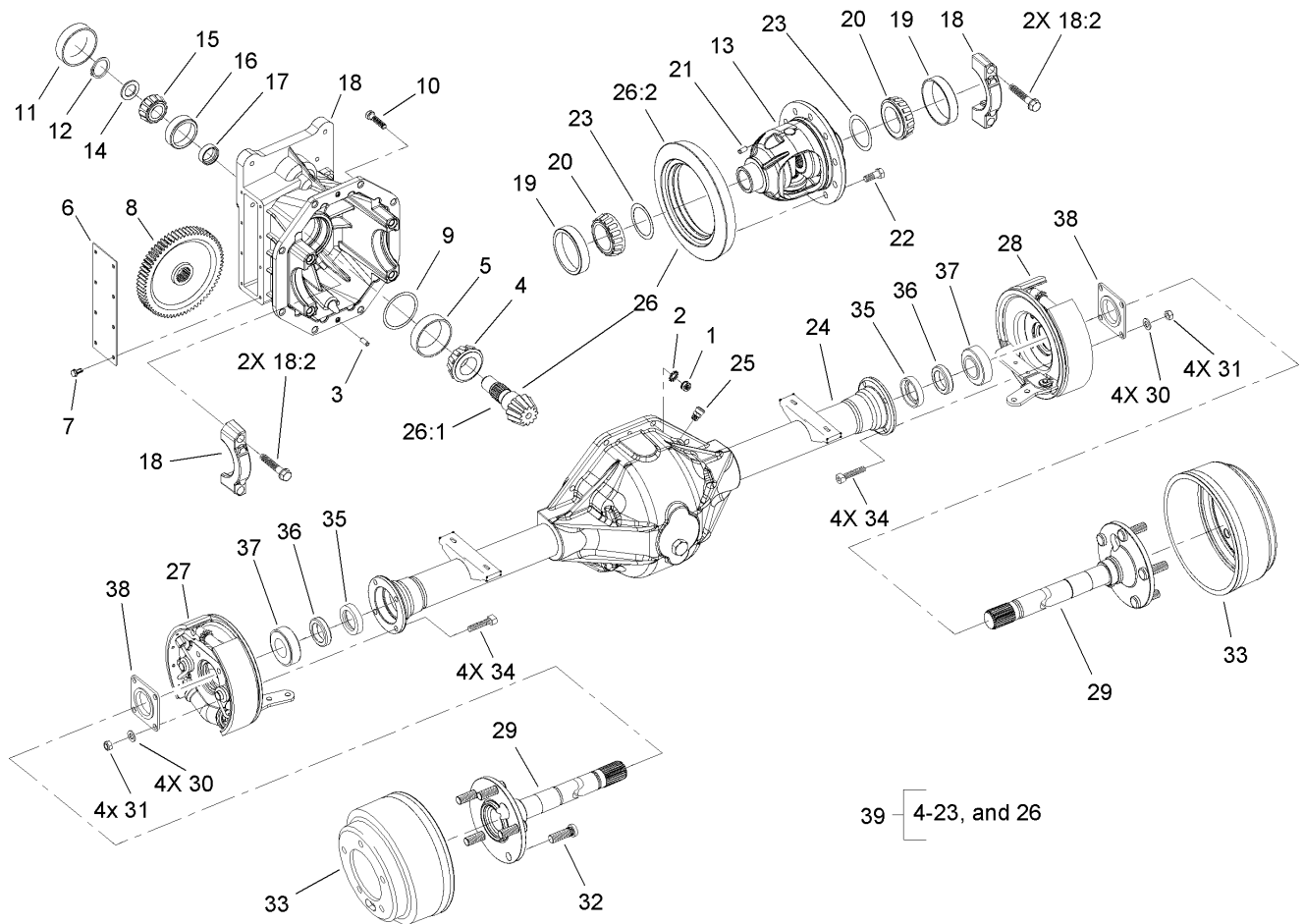
Fuel Filter Assembly

| Ref | Part No.    | Qty. | Description        |  |  |  |  |
|-----|-------------|------|--------------------|--|--|--|--|
| 1   | 2412-108    | 7    | Clamp-Worm         |  |  |  |  |
| 2   | 322-12      | 2    | Screw-HH           |  |  |  |  |
| 3   | 353-781     | 2    | Fitting-Elbow      |  |  |  |  |
| 4   | 104-8300    | 2    | Nut-Flange, NI     |  |  |  |  |
| 5   | 321-4       | 3    | Screw-HH           |  |  |  |  |
| 6   | 112-7836    | 1    | Filter-Inline      |  |  |  |  |
| 7   | 32128-33    | 3    | Nut-HF             |  |  |  |  |
| 9   | 110-9044    | 1    | Filter-Seperator   |  |  |  |  |
| 9:1 | 110-9049    | 1    | Filter-Spin On     |  |  |  |  |
| 10  | 110-8806    | 1    | Pump-Fuel          |  |  |  |  |
| 11  | 110-8817    | 1    | Bracket-Pump, Fuel |  |  |  |  |
| 12  | 99-7435     | 1    | Relay-Power        |  |  |  |  |
| 13  | 32104-60    | 1    | Screw-HWH          |  |  |  |  |
| 14  | 110-7503    | 1    | Hose-Fuel          |  |  |  |  |
| 15  | 110-4124    | 1    | Hose-Fuel          |  |  |  |  |
| 16  | 115-0608-03 | 1    | Bracket-Fuel Pump  |  |  |  |  |
| 17  | 104-7201    | 2    | Nut-HF             |  |  |  |  |
| 18  | 2412-147    | 1    | Clamp              |  |  |  |  |
| 19  | 110-0047    | 1    | Hose-Fuel          |  |  |  |  |
| 20  | 321-5       | 1    | Screw-HH           |  |  |  |  |
| 21  | 321-9       | 1    | Screw-HH           |  |  |  |  |
| 22  | 115-0607-03 | 1    | Bracket-Fuel Pump  |  |  |  |  |



Fuel Tank and Front Axle Assembly

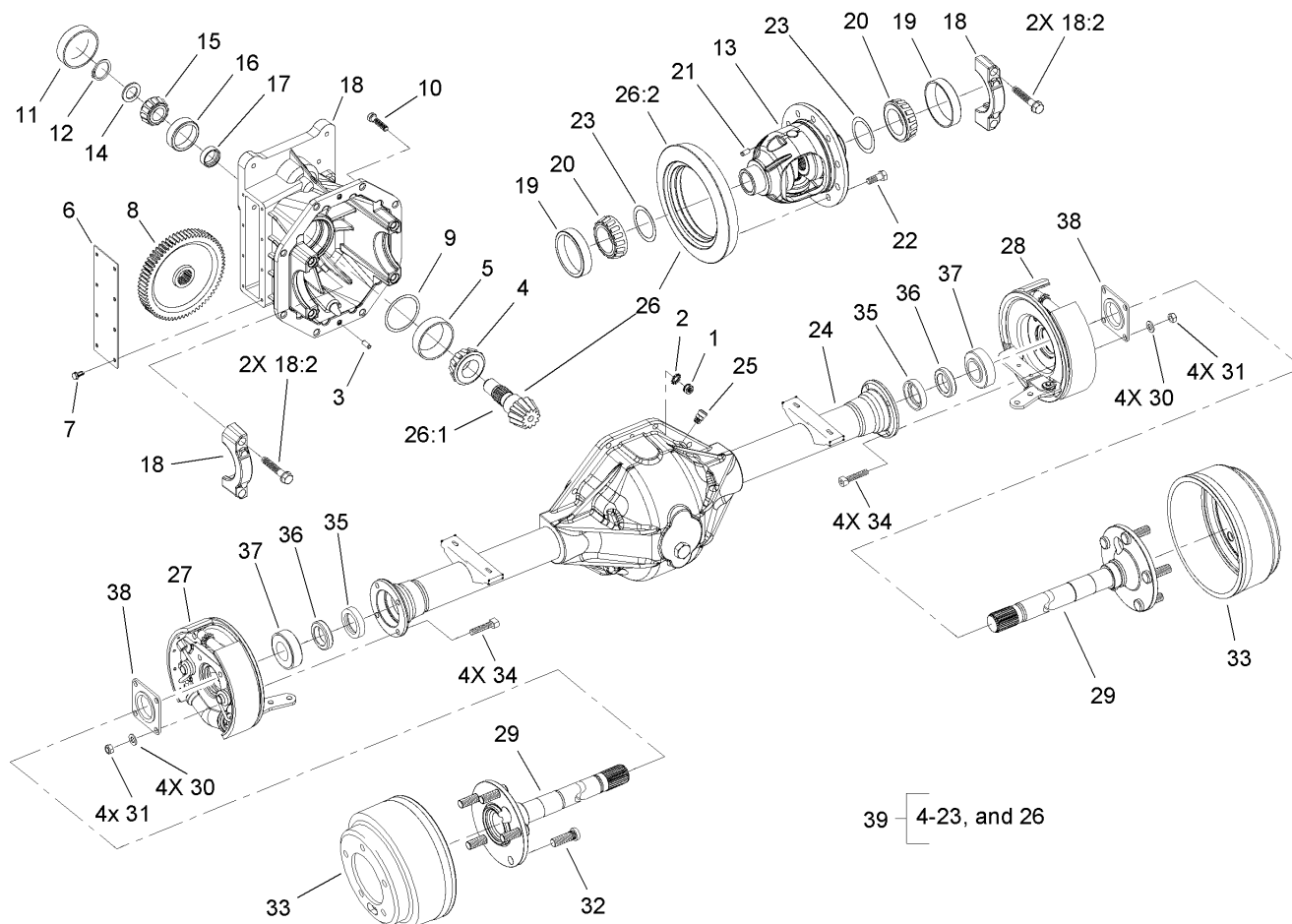
| Ref | Part No. | Qty. | Description             | Ref  | Part No.   | Qty. | Description           |
|-----|----------|------|-------------------------|------|------------|------|-----------------------|
| 1   | 3234-11  | 2    | Screw-HHF               | 24   | 32144-67   | 4    | Screw                 |
| 2   | 68-9760  | 1    | Fuel Tank Base ASM      | 25   | 32128-20   | 3    | Nut-HF                |
| 3   | 21-3600  | 1    | Foam-Tank Support       | 26   |            | 2    | Wheel And Tire ASM    |
| 4   | 43-4150  | 1    | Fuel Tank ASM           | 26:1 | 95-3348    | 1    | Tire                  |
| 4:1 | 43-4190  | 1    | Fitting ASM             | 26:2 | 217-117    | 1    | Wheel                 |
| 4:2 | 43-4160  | 1    | Fitting-Return And Vent | 26:3 | 232-27     | 1    | Stem-Valve            |
| 5   | 3253-3   | 2    | Washer-Lock             | 27   | 86-9600-03 | 1    | Axle ASM              |
| 6   | 32104-96 | 1    | Screw-HH                | 28   | 24-9830-01 | 1    | Axle Support ASM      |
| 7   | 37-9550  | 1    | Strap-Gas Tank          | 30   | 3219-14    | 1    | Nut-Hex               |
| 8   | 62-7650  | 1    | Gasket                  | 31   | 323-6      | 1    | Screw-HH              |
| 9   | 3253-17  | 1    | Washer-Lock             | 32   | 3256-6     | 2    | Washer-Flat           |
| 11  | 32144-53 | 5    | Screw-SHWH              | 33   | 3217-9     | 2    | Nut-HH                |
| 12  | 105-2563 | 1    | Sender-Fuel             | 34   | 3253-21    | 1    | Washer-Lock           |
| 13  | 110-4109 | 1    | Hose-Fuel               | 35   | 2412-80    | 2    | Clamp-Line, Fuel      |
| 14  | 2412-108 | 2    | Clamp-Worm              | 36   | 110-5688   | 1    | Hose-Fuel             |
| 15  | 55-3572  | 1    | Gas Cap ASM             | 37   | 23-5180    | 1    | Dipstick ASM          |
| 16  | 22-7810  | 1    | Spacer                  | 38   | 289-37     | 1    | Nipple-Pipe           |
| 17  | 321-6    | 1    | Screw-HH                | 39   | 2811-9     | 1    | Fitting-Elbow, Street |
| 18  | 21-3610  | 1    | Foam-Tank Support       | 40   | 3290-379   | 1    | Tie-Cable             |
| 19  | 2412-4   | 1    | Clamp                   |      |            |      |                       |
| 20  | 110-4105 | 1    | Hose-Fuel               |      |            |      |                       |
| 21  | 3230-2   | 3    | Bolt-CARR               |      |            |      |                       |
| 22  | 42-6080  | 1    | Shim-Axle               |      |            |      |                       |
| 23  | 23-7270  | 10   | Nut-Wheel               |      |            |      |                       |



## Front Axle Assembly No. 86-9600-03

| Ref | Part No.  | Qty. | Description                |
|-----|-----------|------|----------------------------|
| 1   | 3219-2    | 8    | Nut-Hex                    |
| 2   | 3255-8    | 8    | Washer-Lock                |
| 3   | 21-8270   | 2    | Pin-Dowel                  |
| 4   | 43-6760   | 1    | Bearing-Roller, Cone Taper |
| 5   | 43-6750   | 1    | Bearing-Taper, Cup         |
| 6   | 21-7830   | 1    | Cover-Gear                 |
| 7   | 32144-112 | 8    | Screw-HWH                  |
| 8   | 86-7230   | 1    | Gear-Input, Transmission   |
| 9   | 43-6710   | 1    | Shim-Pinion (.003)         |
| 9   | 43-6711   | 1    | Shim-Pinion (.005)         |
| 9   | 43-6712   | 1    | Shim-Pinion (.010)         |
| 9   | 43-6713   | 1    | Shim-Pinion (.030)         |
| 10  | 3210-7    | 8    | Screw-HH                   |
| 11  | 21-7850   | 1    | Plug-Cup                   |
| 12  | 43-6550   | 1    | Ring-Snap                  |
| 13  | 110-4136  | 1    | Differential Case ASM      |
| 14  | 46-2210   | 1    | Shim-Bearing, Front        |
| 14  | 46-2211   | 1    | Shim-Front Bearing, .033   |
| 14  | 46-2212   | 1    | Shim-Front Bearing, .035   |
| 14  | 46-2213   | 1    | Shim-Front Bearing, .037   |
| 14  | 46-2214   | 1    | Shim-Front Bearing, .039   |
| 14  | 46-2215   | 1    | Shim-Front Bearing, .041   |
| 14  | 46-2216   | 1    | Shim-Front Bearing, .043   |
| 14  | 46-2220   | 1    | Shim-Front Bearing, .045   |

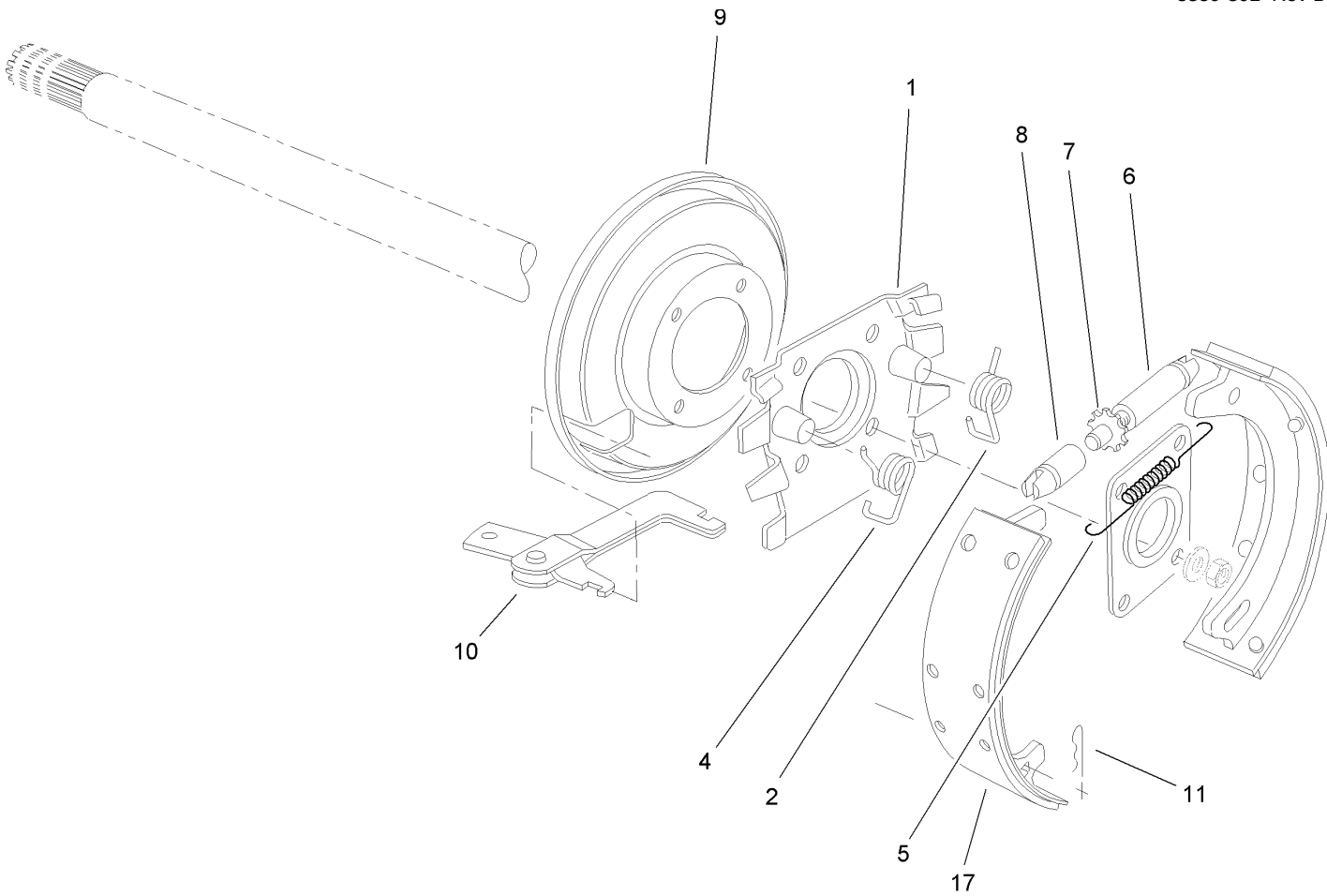
| Ref  | Part No. | Qty. | Description                       |
|------|----------|------|-----------------------------------|
| 14   | 46-2221  | 1    | Shim-Front Bearing, .047          |
| 14   | 46-2222  | 1    | Shim-Front Bearing, .049          |
| 14   | 46-2223  | 1    | Shim-Front Bearing, .051          |
| 14   | 46-2224  | 1    | Shim-Front Bearing, .053          |
| 14   | 46-2225  | 1    | Shim-Front Bearing, .055          |
| 14   | 46-2226  | 1    | Shim-Front Bearing, .057          |
| 15   | 254-91   | 1    | Cone-Bearing                      |
| 16   | 254-90   | 1    | Bearing-Cup                       |
| 17   | 21-8020  | 1    | Spacer-Bearing                    |
| 18   | 86-9580  | 1    | Upper Housing ASM                 |
| 18:2 | 92-1773  | 4    | Screw-HHF                         |
| 19   | 254-66   | 2    | Cup-Bearing, Roller               |
| 20   | 254-65   | 2    | Cone-Bearing, Roller              |
| 21   | 32121-15 | 1    | Pin-Roll                          |
| 22   | 21-7770  | 5    | Screw-Gear, Drive                 |
| 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   | 43-6840  | 1    | Housing-Lower                     |
| 25   | 72-9420  | 1    | Vent                              |
| 26   | 92-4848  | 1    | Gear And Pinion ASM               |
| 26:1 |          | 1    | Pinion-Drive                      |
| 26:2 |          | 1    | Gear-Ring                         |



## Front Axle Assembly No. 86-9600-03 (continued)

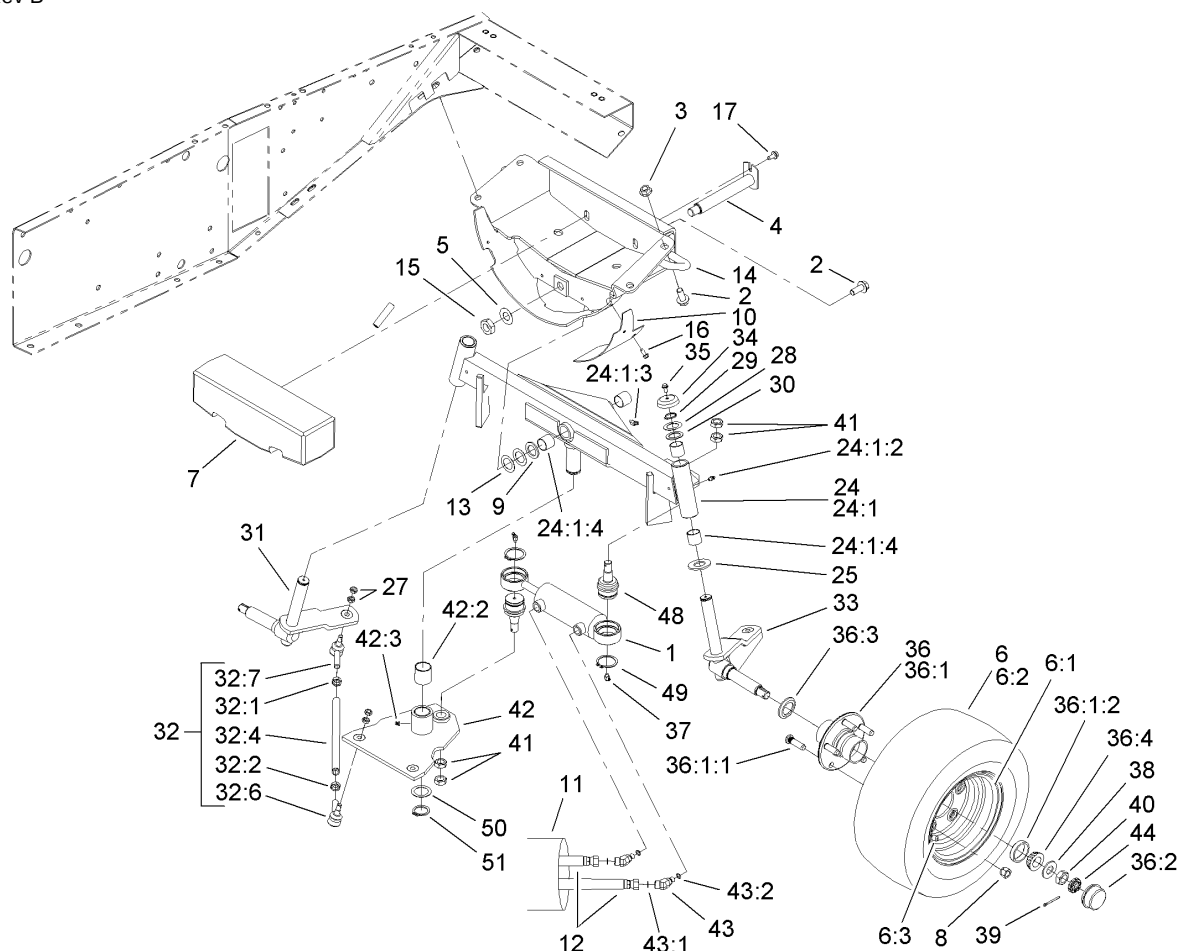
| Ref | Part No.   | Qty. | Description                   |
|-----|------------|------|-------------------------------|
| 27  | 84-8570    | 1    | RH Brake ASM                  |
| 28  | 84-8580    | 1    | LH Brake ASM                  |
| 29  | 28-0650    | 1    | Shaft-Axle, Flanged           |
| 30  | 94-6936    | 8    | Washer-Hardened               |
| 31  | 94-6935    | 8    | Locknut                       |
| 32  | 242-34     | 10   | Stud-Drive                    |
| 33  | 28-0680-03 | 2    | Drum-Brake                    |
| 34  | 94-6934    | 8    | Screw-HH                      |
| 35  | 24-8840    | 2    | Ring-Retaining, Wheel Bearing |
| 36  | 99-6969    | 2    | Seal-Oil, Wheel End           |
| 37  | 21-8180    | 2    | Bearing ASM                   |
| 38  | 28-0670    | 2    | Seal-Grease                   |
| 39  | 92-4903    | 1    | Differential Carrier ASM      |

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Front Axle Brake Assembly

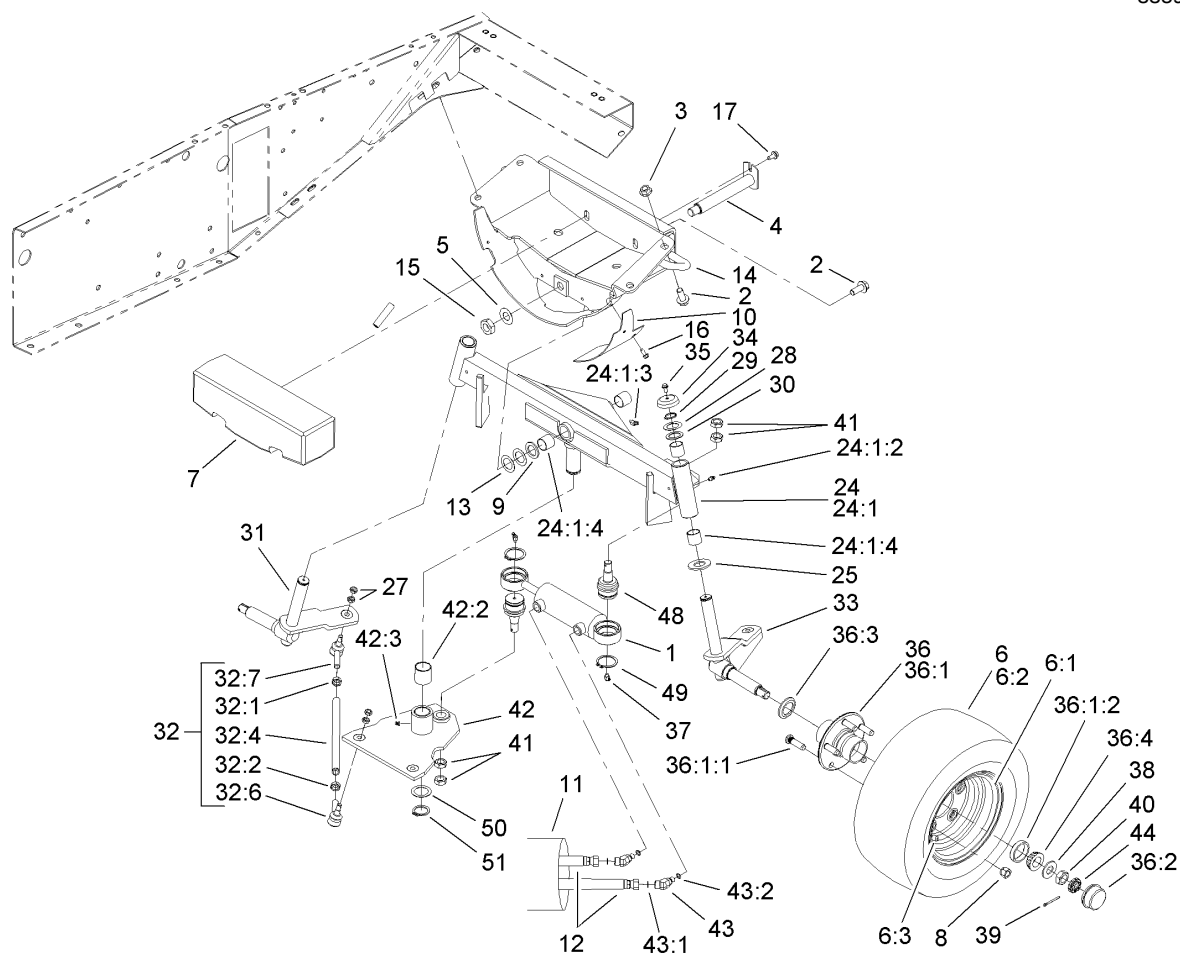
| Ref | Part No. | Qty. | Description             |  |  |  |  |
|-----|----------|------|-------------------------|--|--|--|--|
| 1   | 43-6810  | 1    | Spider-Torque           |  |  |  |  |
| 2   | 21-9420  | 1    | Spring-Return, LH       |  |  |  |  |
| 4   | 21-9430  | 1    | Spring-Return, RH 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



## Rear Axle Assembly

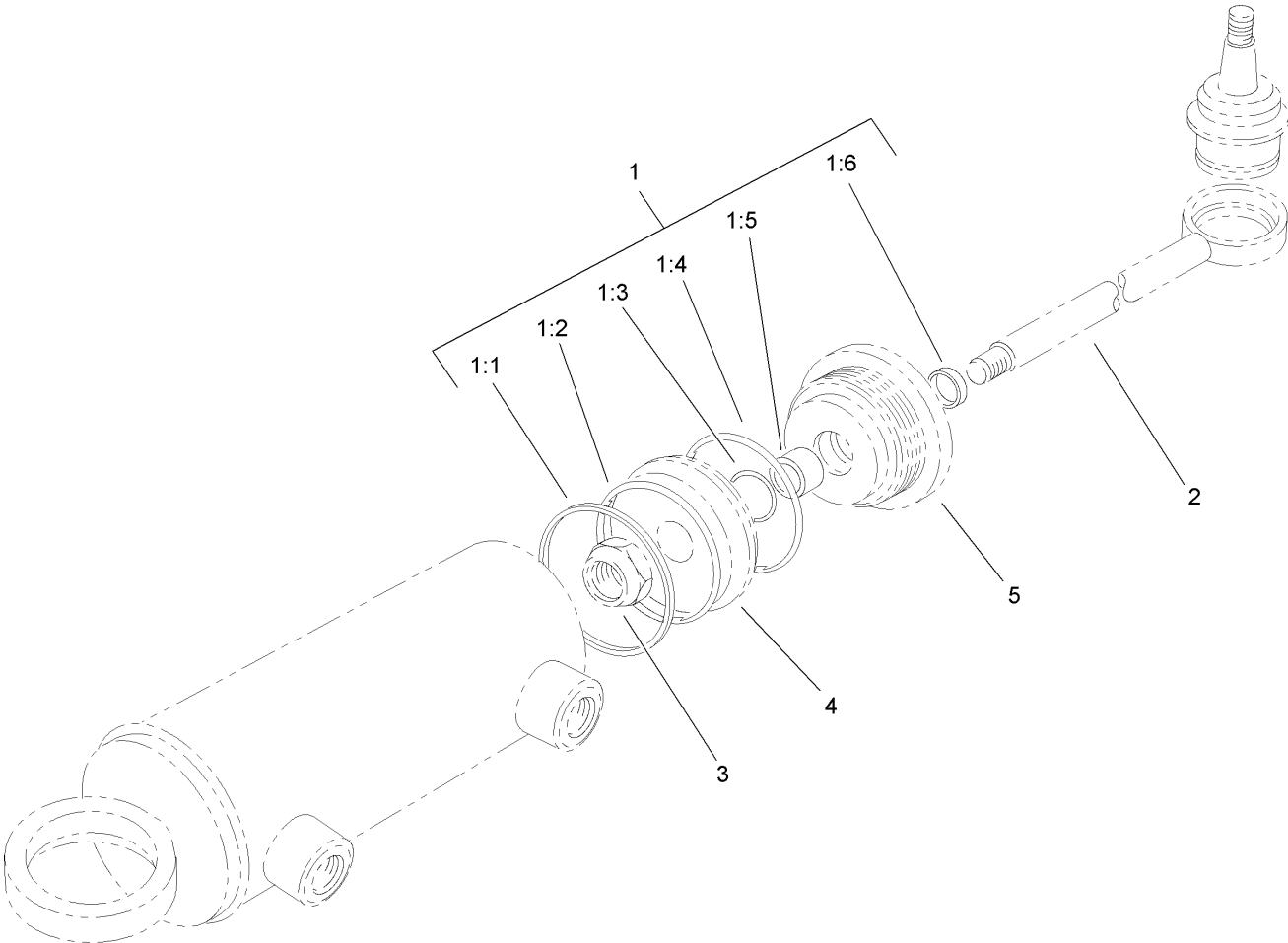
| Ref    | Part No.    | Qty. | Description           |
|--------|-------------|------|-----------------------|
| 1      | 92-7828     | 1    | Cylinder-HYD          |
| 2      | 3234-32     | 6    | Screw-HHF             |
| 3      | 32128-23    | 4    | Nut-HF                |
| 4      | 92-7807-01  | 1    | Rear Axle Pin ASM     |
| 5      | 71-4540     | 1    | Washer-Thrust         |
| 26     |             | 2    | Wheel And Tire ASM    |
| 6:1    | 217-106     | 1    | Wheel-8 Inch          |
| 6:2    | 231-105     | 1    | Tire-Ribbed           |
| 6:3    | 232-31      | 1    | Stem-Valve            |
| 7      | 98-3869-01  | 1    | Weight-Rear           |
| 8      | 242-50      | 10   | Nut-Lug               |
| 9      | 92-7845     | 1    | Spacer-Hardened       |
| 10     | 99-2413-01  | 1    | Cover-Guard, Flywheel |
| 11     | 56-7980     | 1    | Sleeve-Protective     |
| 12     | 68-9710     | 2    | Hose-Steering, Rear   |
| 13     | 56-2460     | 2    | Washer-Flat           |
| 14     | 92-7803-01  | 1    | Axle Support ASM      |
| 15     | 32146-20    | 1    | Nut-Jam               |
| 16     | 32144-10    | 2    | Screw-HWH             |
| 17     | 32144-14    | 1    | Screw-HWHTF           |
| 24     | 106-8050-03 | 1    | Rear Axle ASM         |
| 24:1   |             | 1    | Axle-Rear             |
| 24:1:2 | 302-5       | 2    | Fitting-Grease        |
| 24:1:3 | 302-11      | 1    | Fitting-Lube, 45 DEG  |

| Ref    | Part No.    | Qty. | Description           |
|--------|-------------|------|-----------------------|
| 24:1:4 | 67-1750     | 6    | Bushing               |
| 25     | 256-121     | 2    | Washer-Thrust         |
| 27     | 3220-3      | 8    | Nut-HJ                |
| 28     | 5-1226      | 4    | Washer                |
| 29     | 32151-36    | 2    | Ring-Retaining        |
| 30     | 10-8110     | 2    | Washer-Thrust         |
| 31     | 93-3199-03  | 1    | RH Spindle ASM        |
| 32     |             | 2    | Steering Tie Rod ASM  |
| 32:1   | 3220-12     | 1    | Nut-HJ (LH Thread)    |
| 32:2   | 3220-5-01   | 1    | Nut-HJ                |
| 32:4   | 21-2000     | 1    | Tie Rod-Steering      |
| 32:6   | 110-9686-03 | 1    | LH Ball Joint ASM     |
| 32:7   | 110-9685-03 | 1    | RH Ball Joint ASM     |
| 33     | 99-1292-03  | 1    | LH Spindle ASM        |
| 34     | 66-2990     | 2    | Cap-Spindle           |
| 35     | 3234-13     | 2    | Screw-HHF             |
| 36     |             | 2    | Hub ASM               |
| 36:1   | 21-2820     | 1    | Hub                   |
| 36:1:1 | 10-6830     | 5    | Stud-Type, Drive      |
| 36:1:2 | 254-72      | 2    | Bearing-Cup, Tapered  |
| 36:2   | 241-119     | 1    | Cap-Dust              |
| 36:3   | 253-129     | 1    | Seal                  |
| 36:4   | 254-94      | 2    | Bearing-Cone, Tapered |
| 37     | 302-11      | 2    | Fitting-Lube, 45 DEG  |



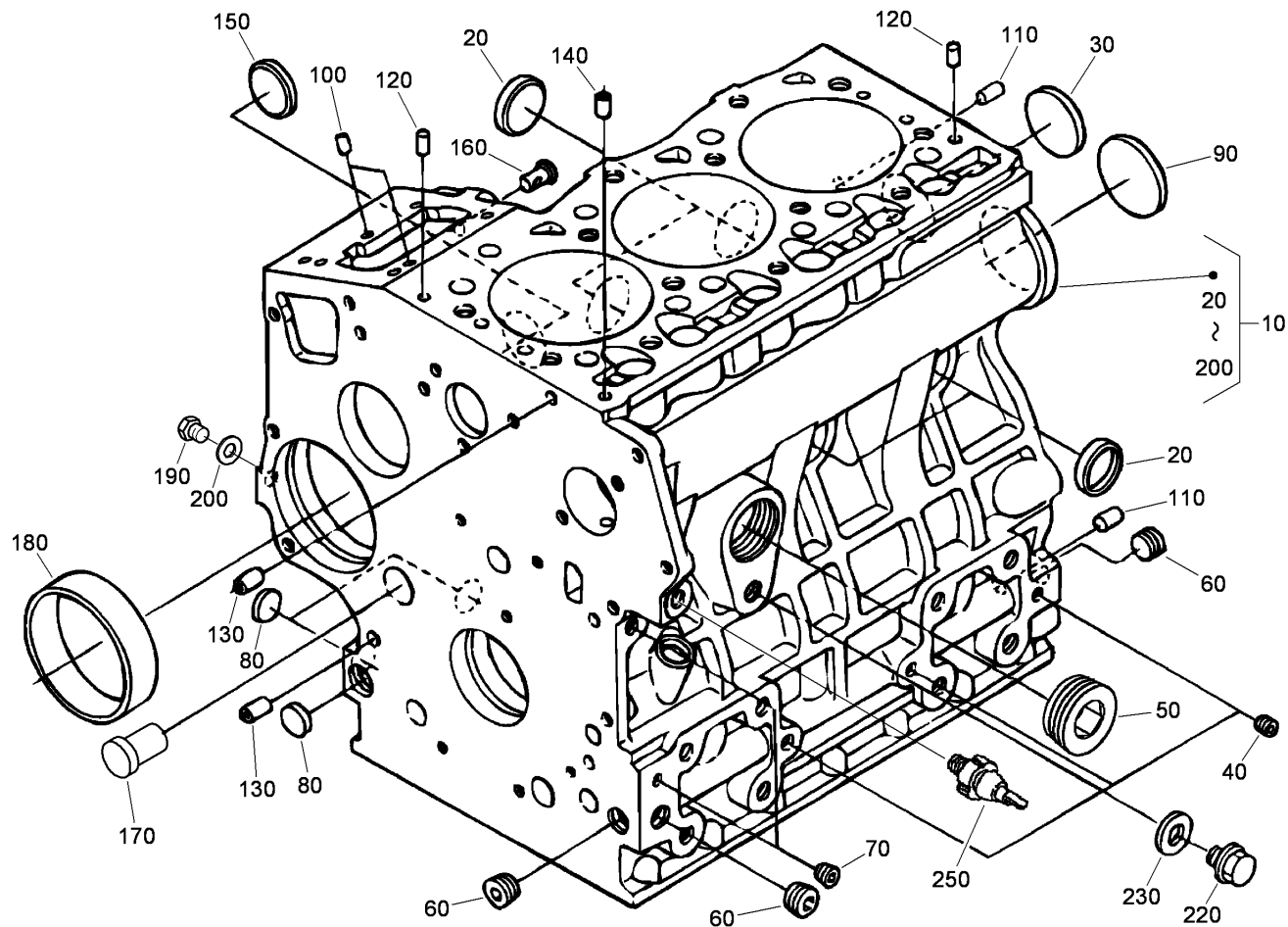
## Rear Axle Assembly (continued)

| Ref  | Part No.  | Qty. | Description              |  |  |  |  |
|------|-----------|------|--------------------------|--|--|--|--|
| 38   | 93-0309   | 2    | Washer-Tab               |  |  |  |  |
| 39   | 3272-13   | 2    | Pin-Cotter               |  |  |  |  |
| 40   | 3220-7    | 2    | Nut-Jam                  |  |  |  |  |
| 41   | 3220-6    | 4    | Nut-Jam                  |  |  |  |  |
| 42   | 106-8052  | 1    | Steering Pivot ASM       |  |  |  |  |
| 42:2 | 76-2970   | 2    | Bushing-Straight         |  |  |  |  |
| 42:3 | 302-5     | 1    | Fitting-Grease           |  |  |  |  |
| 43   | 340-54    | 2    | Elbow-45 DEG             |  |  |  |  |
| 43:1 | 237-22    | 1    | O-Ring                   |  |  |  |  |
| 43:2 | 237-78    | 1    | O-Ring                   |  |  |  |  |
| 44   | 93-0307   | 2    | Nut-Lock, Retainer       |  |  |  |  |
| 48   | 106-6774  | 2    | Joint-Ball               |  |  |  |  |
| 49   | 32151-104 | 2    | Ring-Retaining, External |  |  |  |  |
| 50   | 76-2980   | 1    | Washer-Thrust            |  |  |  |  |
| 51   | 32151-77  | 1    | Ring-Retaining, EXT      |  |  |  |  |



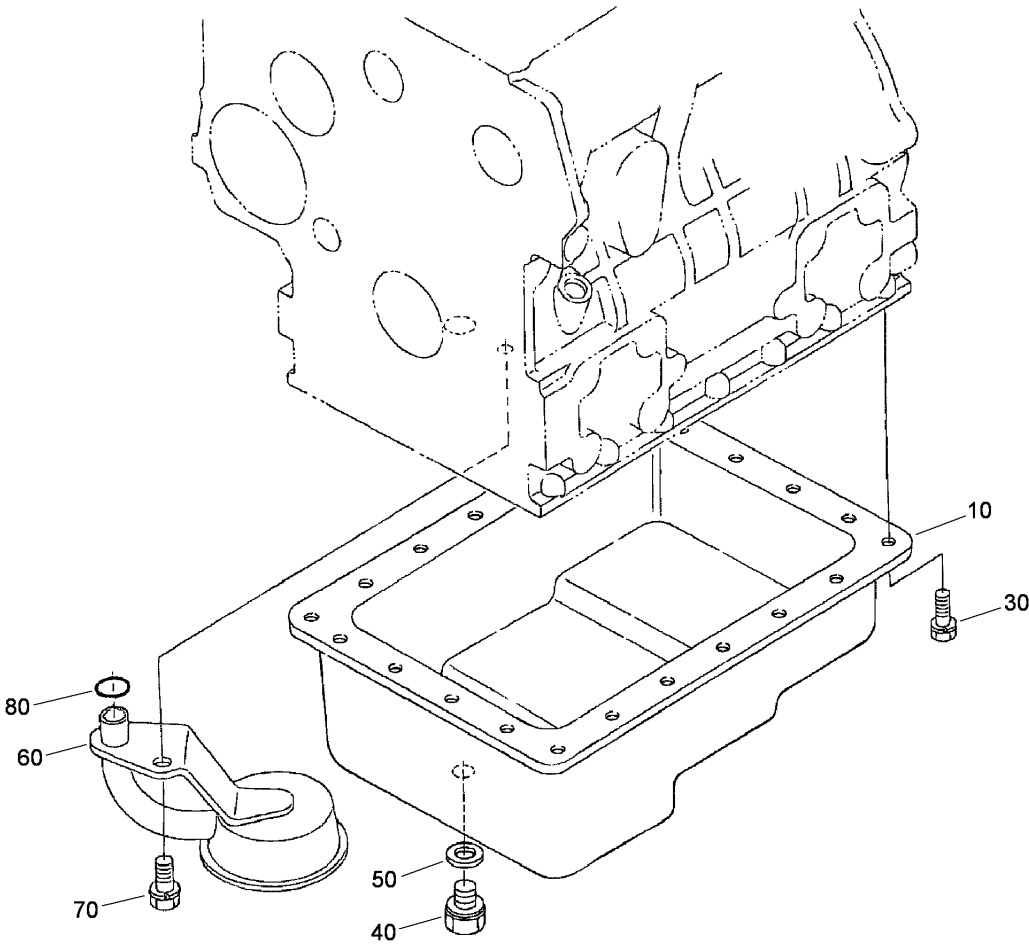
Hydraulic Cylinder Assembly No. 92-7828

| Ref | Part No. | Qty. | Description    |  |  |  |  |
|-----|----------|------|----------------|--|--|--|--|
| 1   | 92-6593  | 1    | Seal Kit       |  |  |  |  |
| 1:1 |          | 1    | Seal           |  |  |  |  |
| 1:2 |          | 1    | O-Ring         |  |  |  |  |
| 1:3 |          | 1    | O-Ring         |  |  |  |  |
| 1:4 |          | 1    | O-Ring         |  |  |  |  |
| 1:5 |          | 1    | U-Cup          |  |  |  |  |
| 1:6 |          | 1    | Wiper          |  |  |  |  |
| 2   |          | 1    | Piston Rod ASM |  |  |  |  |
| 3   |          | 1    | Locknut        |  |  |  |  |
| 4   |          | 1    | Piston         |  |  |  |  |
| 5   |          | 1    | Gland          |  |  |  |  |



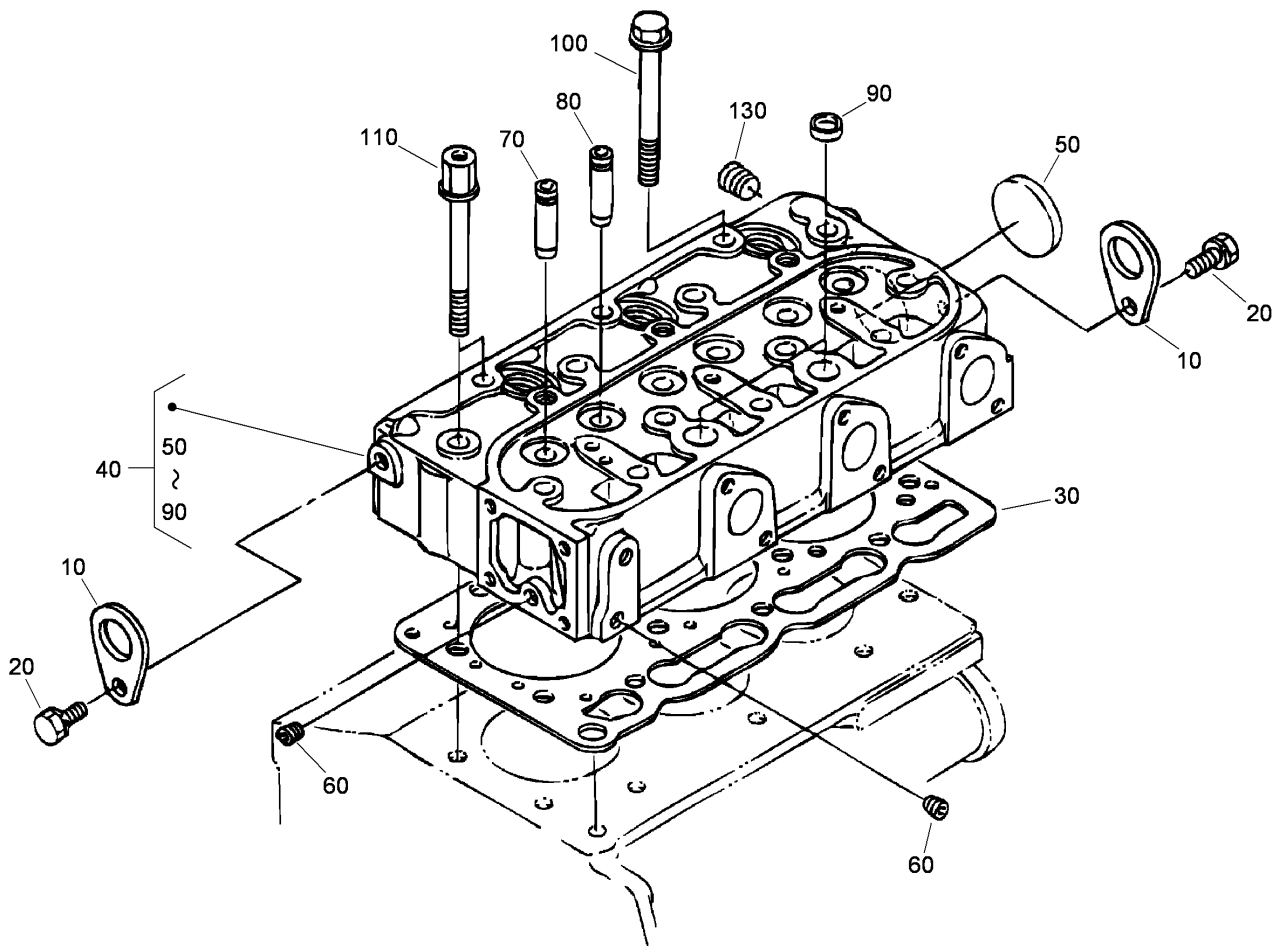
Crankcase Assembly

| Ref | Part No. | 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                   |  |  |  |  |
| 90  | 98-9668  | 1    | Plug                   |  |  |  |  |
| 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             |  |  |  |  |



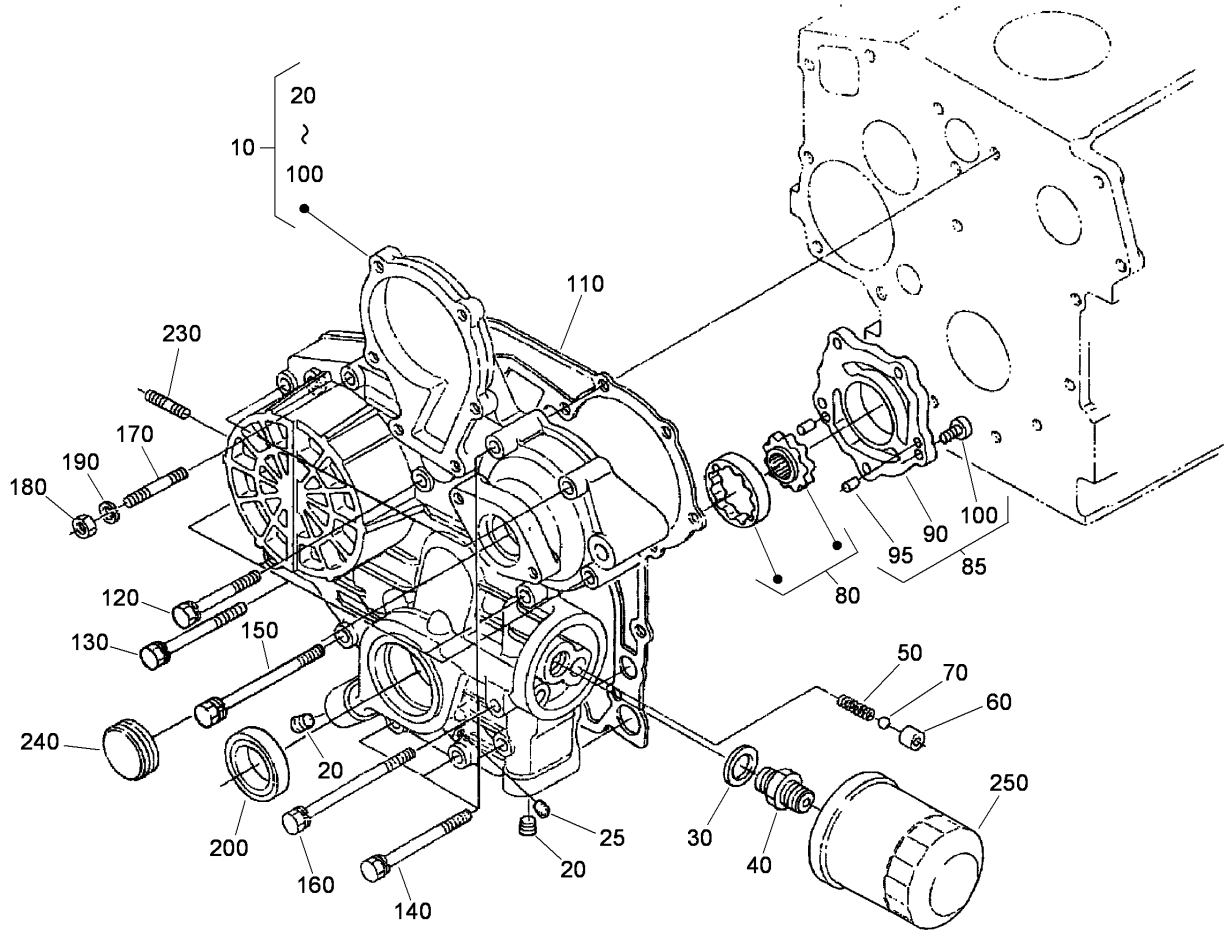
Oil Pan Assembly

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



Cylinder Head Assembly

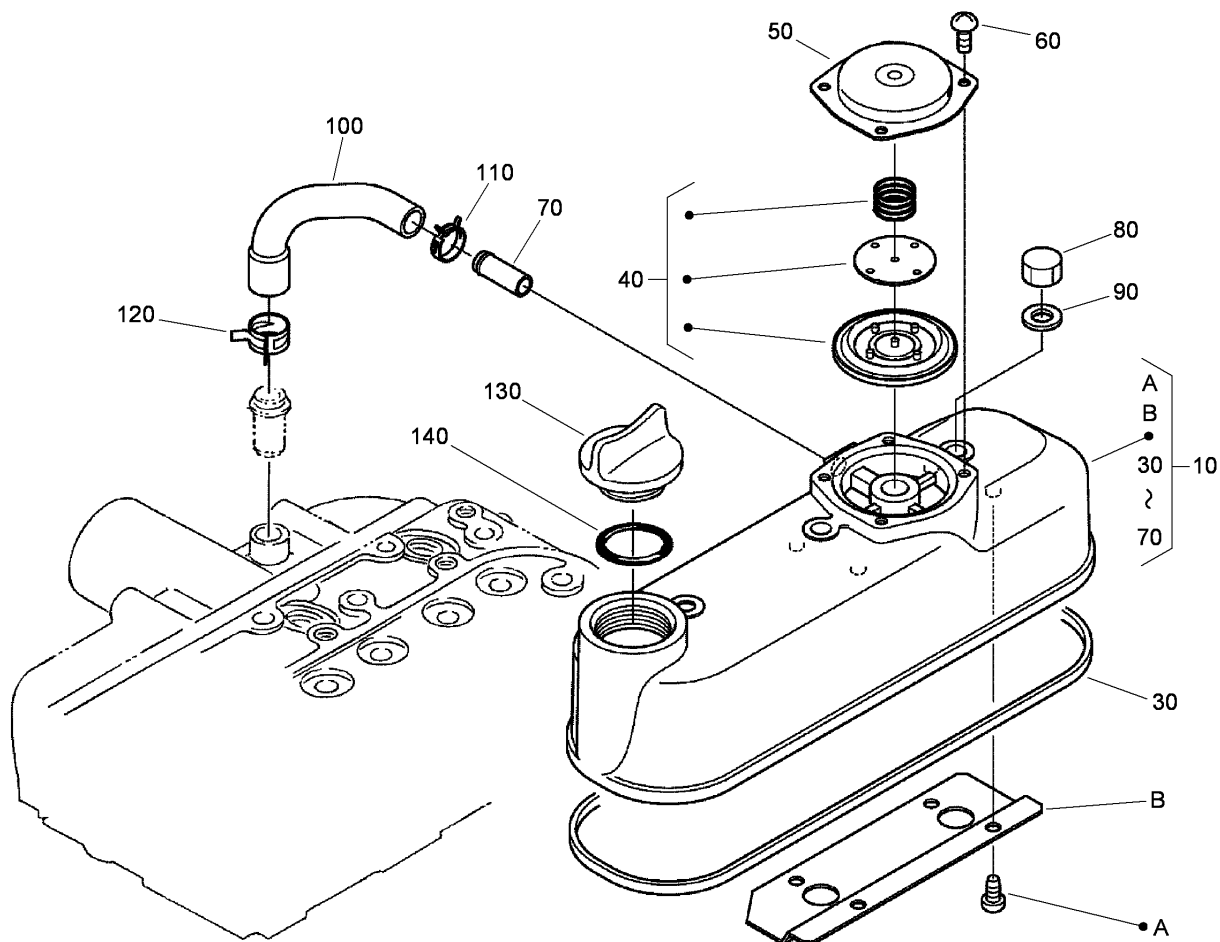
| Ref | Part No. | Qty. | Description           |  |  |  |  |
|-----|----------|------|-----------------------|--|--|--|--|
| 10  | 98-7531  | 2    | Hook-Engine           |  |  |  |  |
| 20  | 100-9195 | 2    | Bolt                  |  |  |  |  |
| 30  | 108-6573 | 1    | Gasket-Head, Cylinder |  |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



## Gear Case Assembly

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

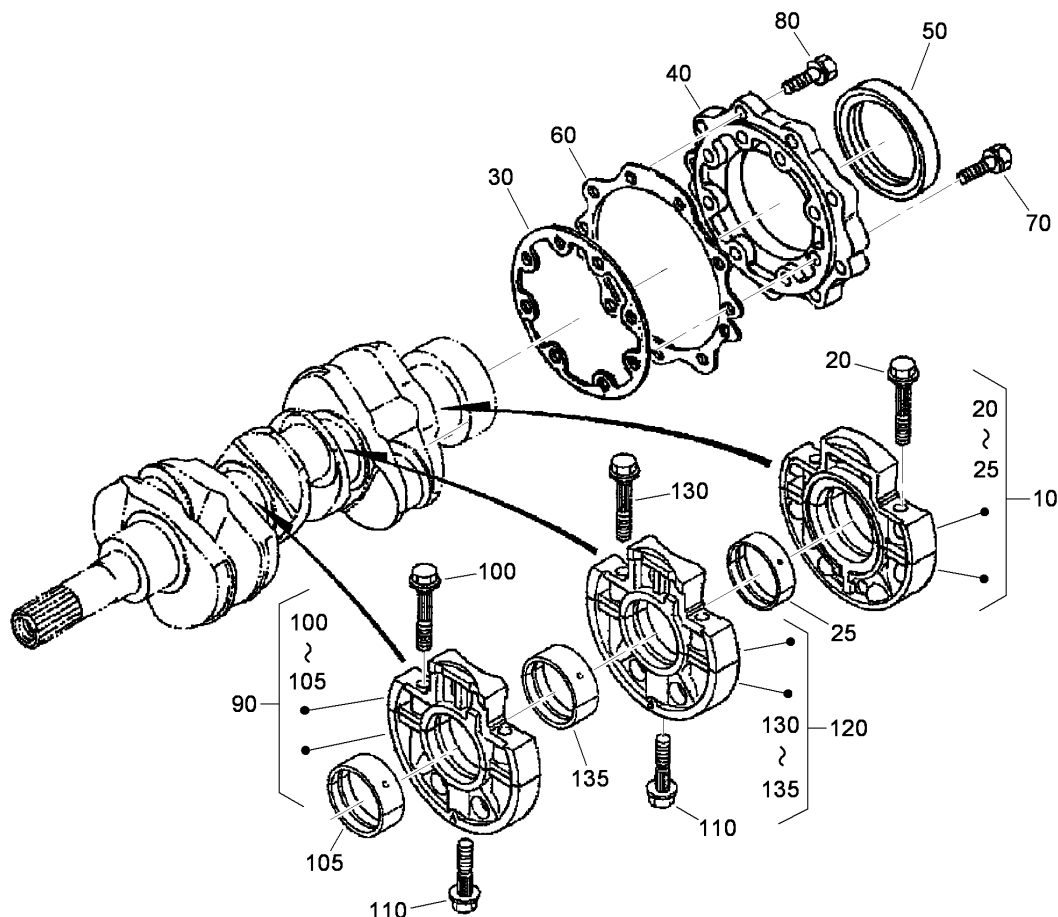
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------|
| 240 | 98-9641  | 1    | Cover       |
| 250 | 108-3841 | 1    | Filter-Oil  |



# Cylinder Head Cover Assembly

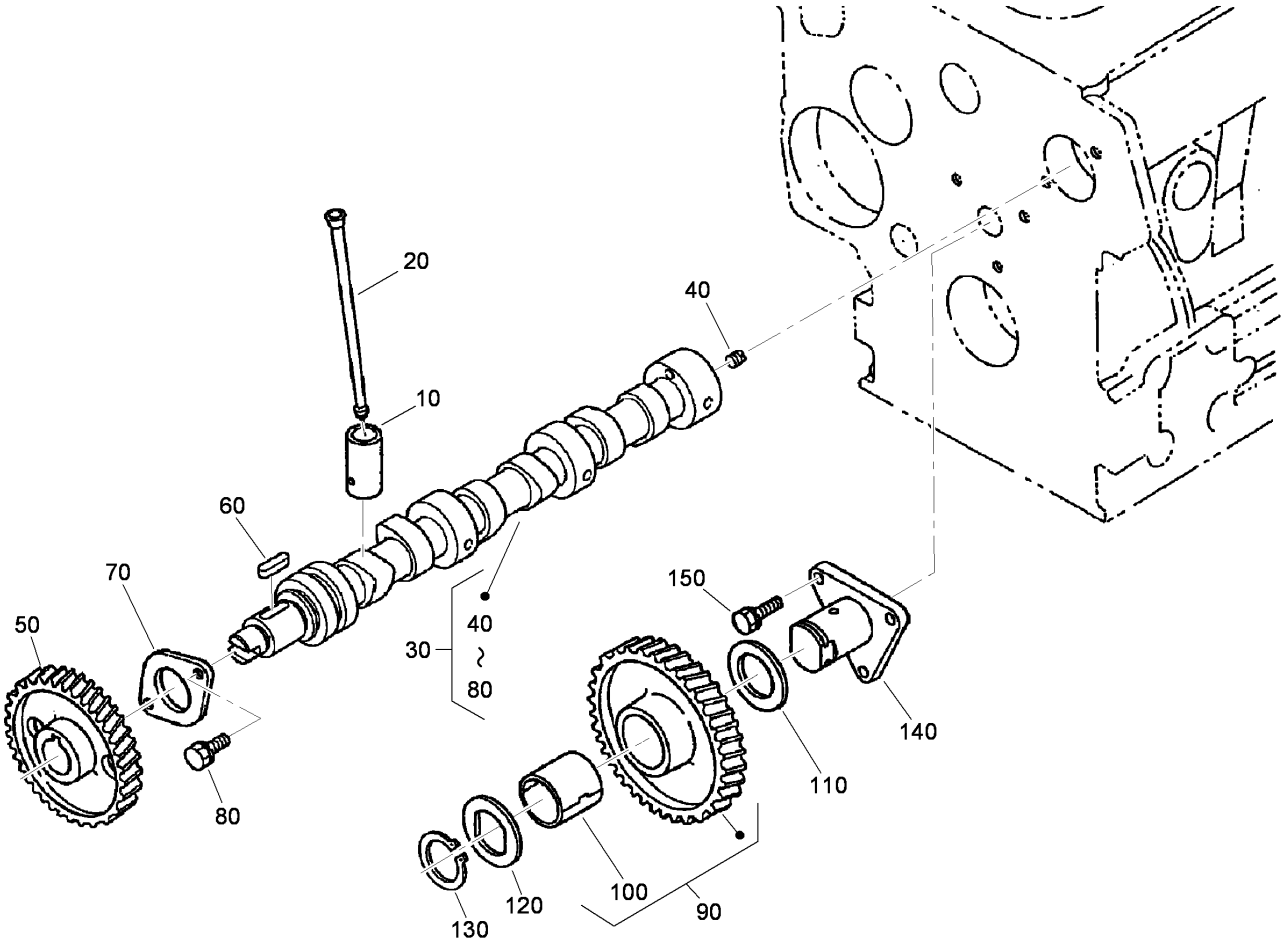
| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 10  | 108-6575 | 1    | Cylinder Head Cover ASM |
| 30  | 98-9615  | 1    | Gasket-Cover, Head      |
| 40  | 108-2861 | 1    | Breather Valve ASM      |
| 50  | 110-3714 | 1    | Cover-Breather          |
| 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                  |





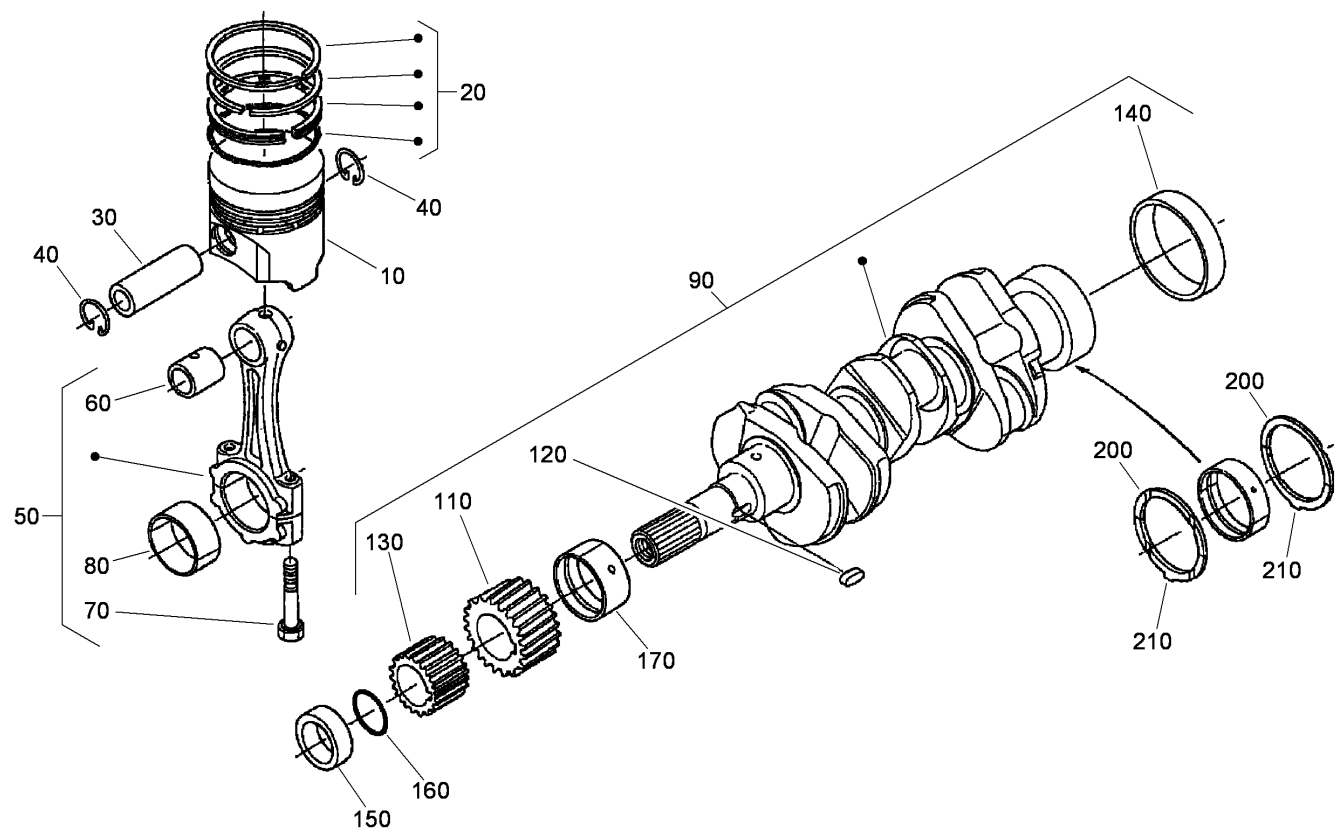
## Main Bearing Case Assembly

| Ref | Part No. | 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

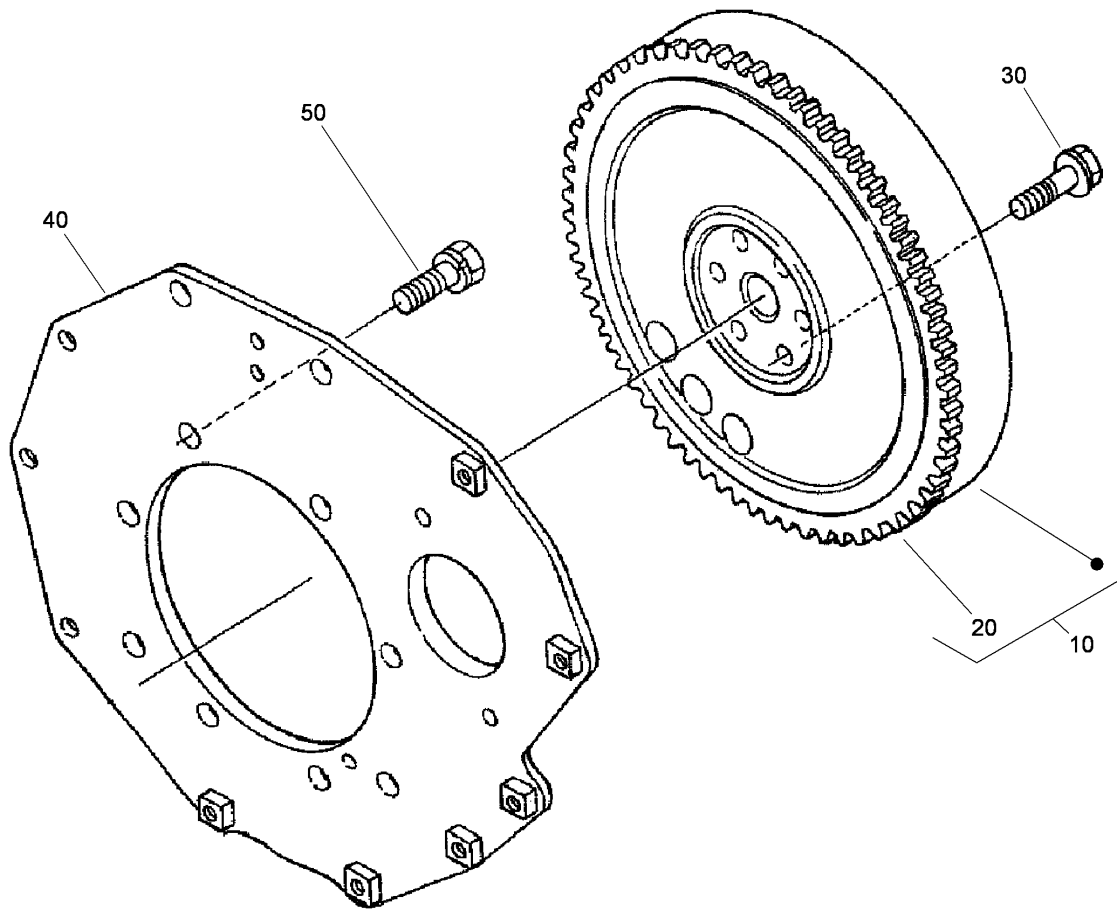
| Ref | Part No. | Qty. | Description              |  |  |  |  |
|-----|----------|------|--------------------------|--|--|--|--|
| 10  | 112-0185 | 6    | Tappet                   |  |  |  |  |
| 20  | 98-9509  | 6    | Rod-Push                 |  |  |  |  |
| 30  | 108-6576 | 1    | Camshaft ASM  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



Piston and Crankshaft Assembly

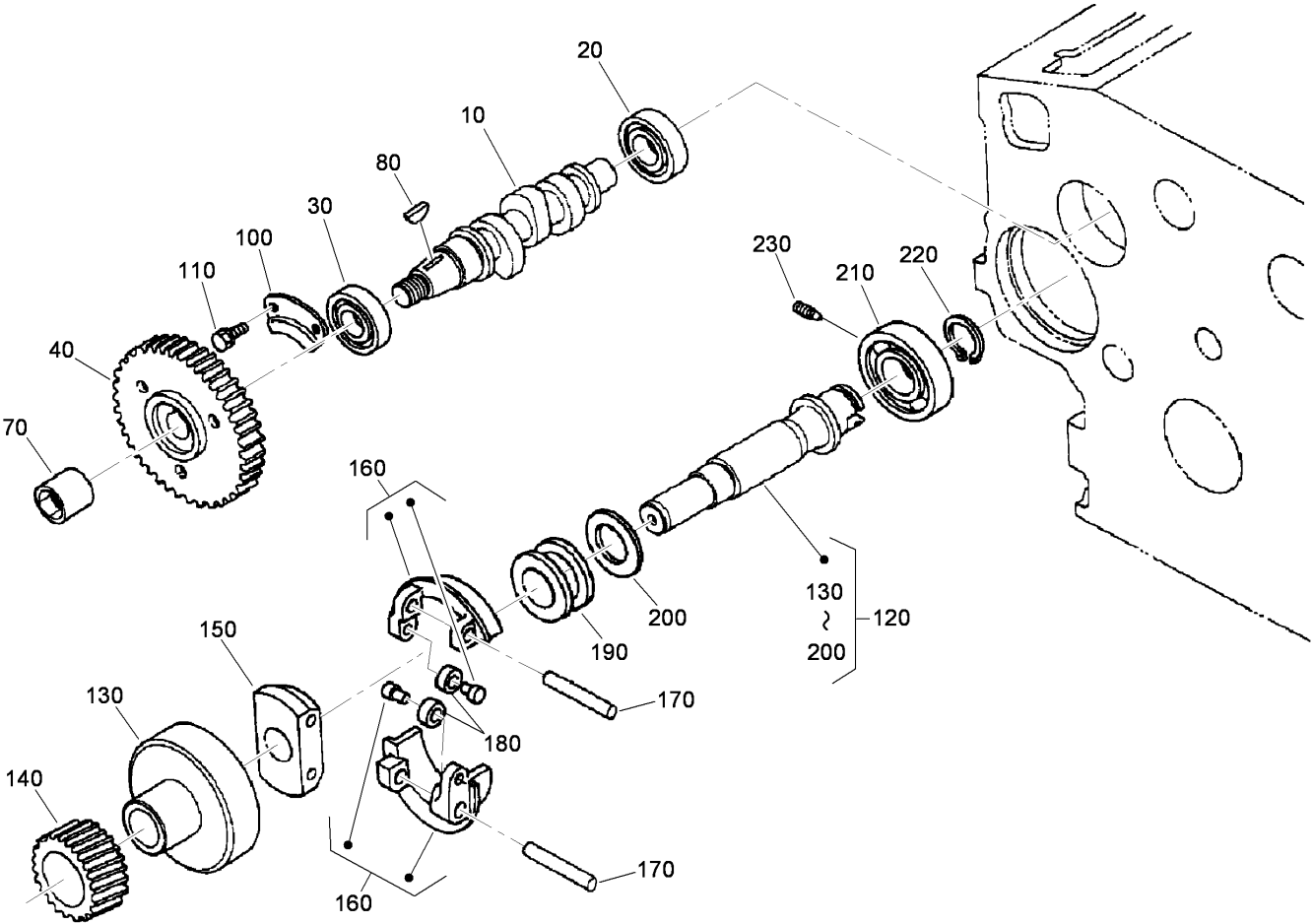
| Ref | Part No. | Qty. | Description               |
|-----|----------|------|---------------------------|
| 10  | 112-8415 | 3    | Piston ASM                |
| 10  | 112-8404 | 3    | Piston                    |
| 20  | 98-9619  | 3    | Piston Ring ASM (0.5Mm)   |
| 20  | 98-9618  | 3    | Piston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

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



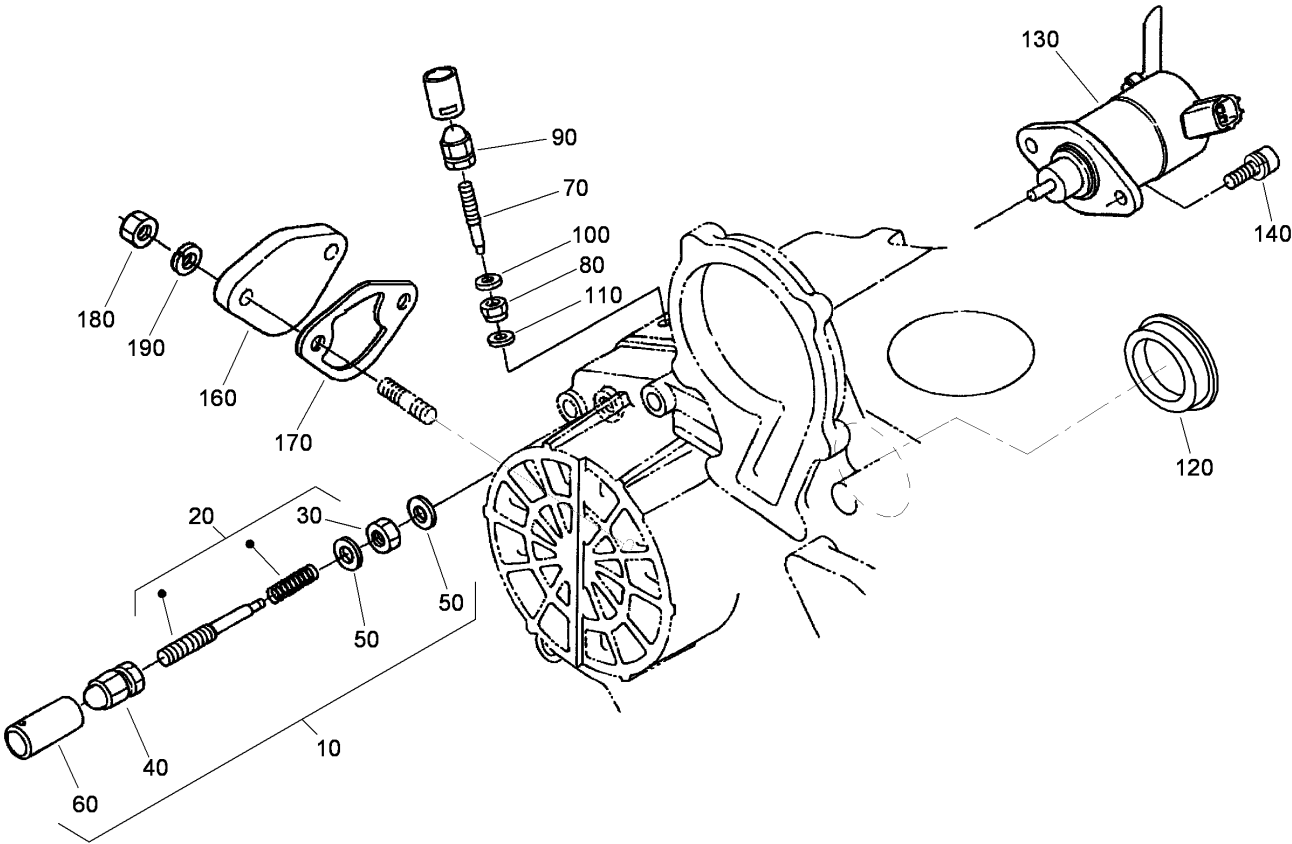
## Flywheel Assembly

| Ref | Part No. | Qty. | Description     |  |  |  |  |
|-----|----------|------|-----------------|--|--|--|--|
| 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            |  |  |  |  |



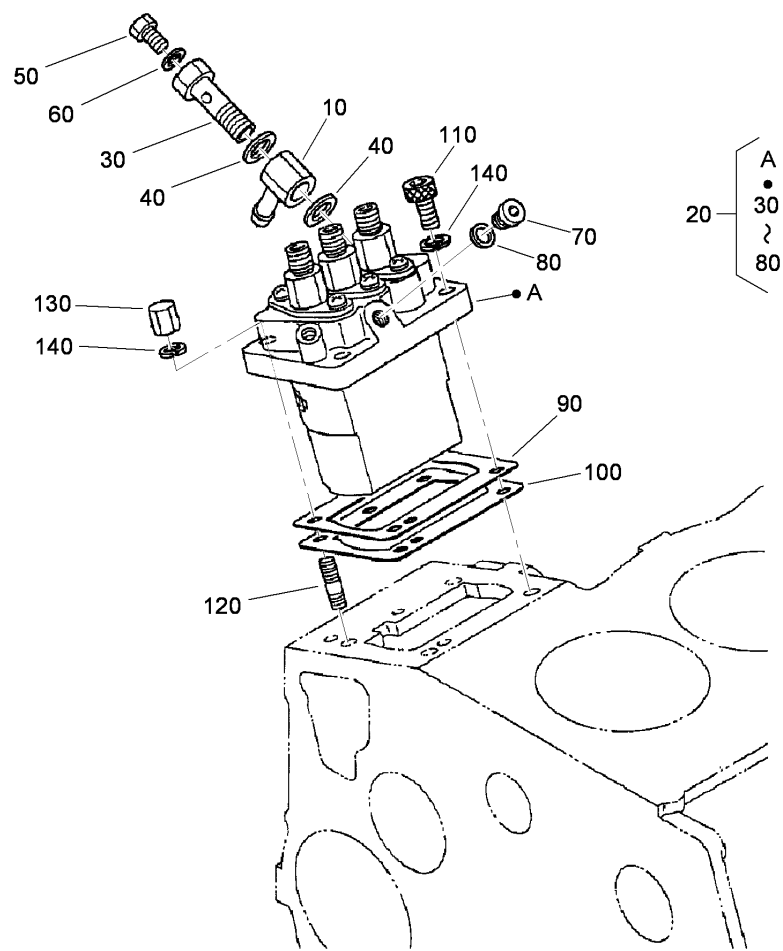
Fuel Camshaft and Governor Shaft Assembly

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



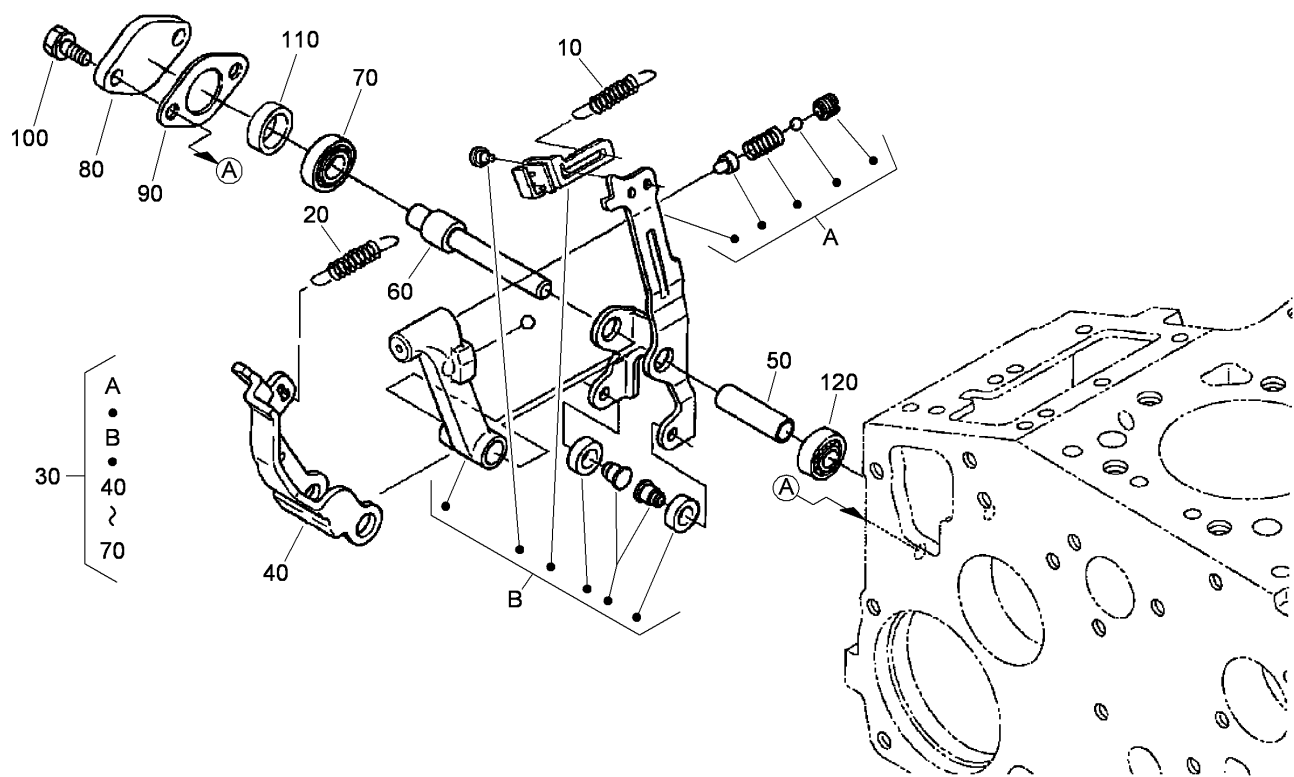
Idle Apparatus and Stop Solenoid Assembly

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



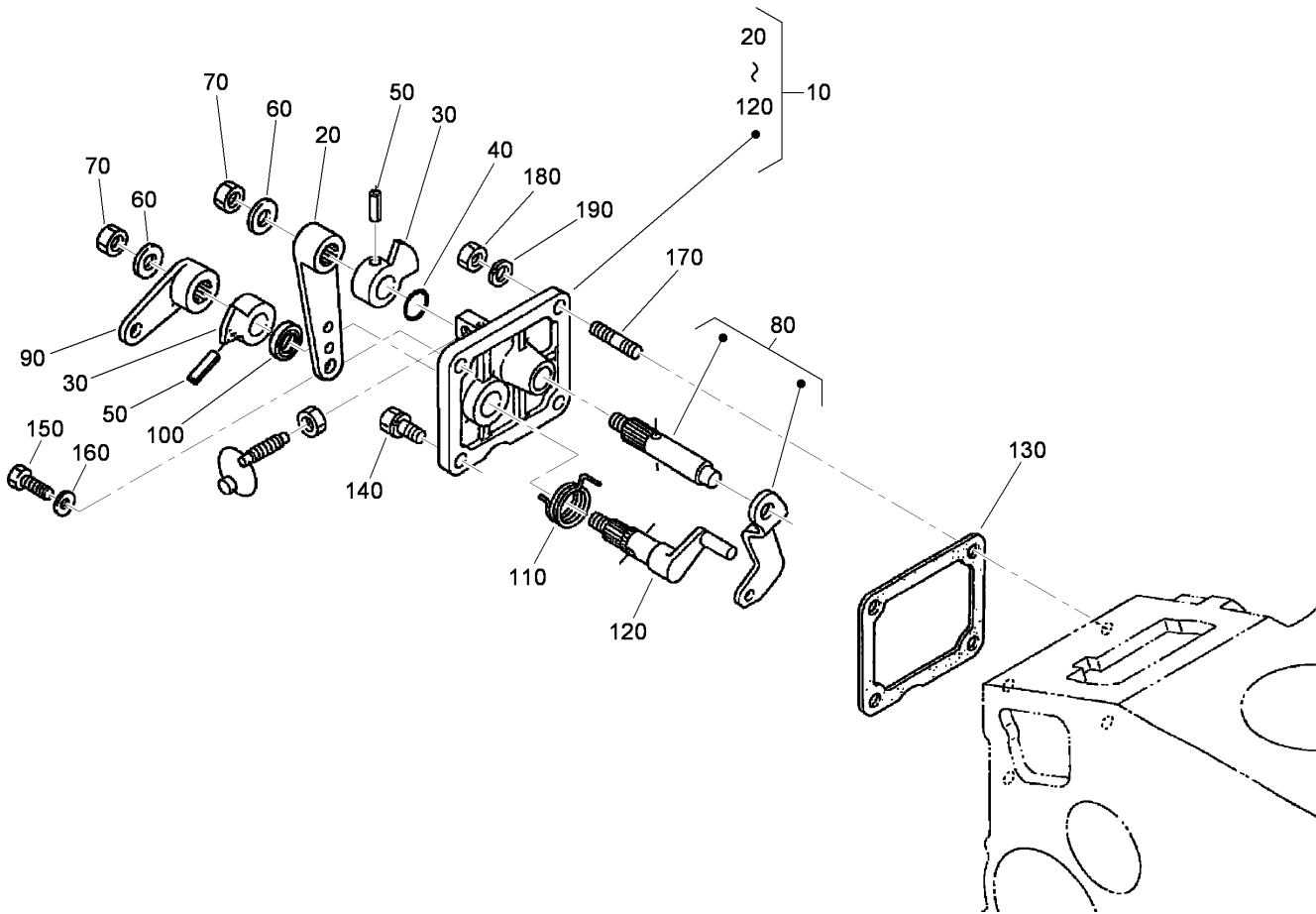
Injection Pump Assembly

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



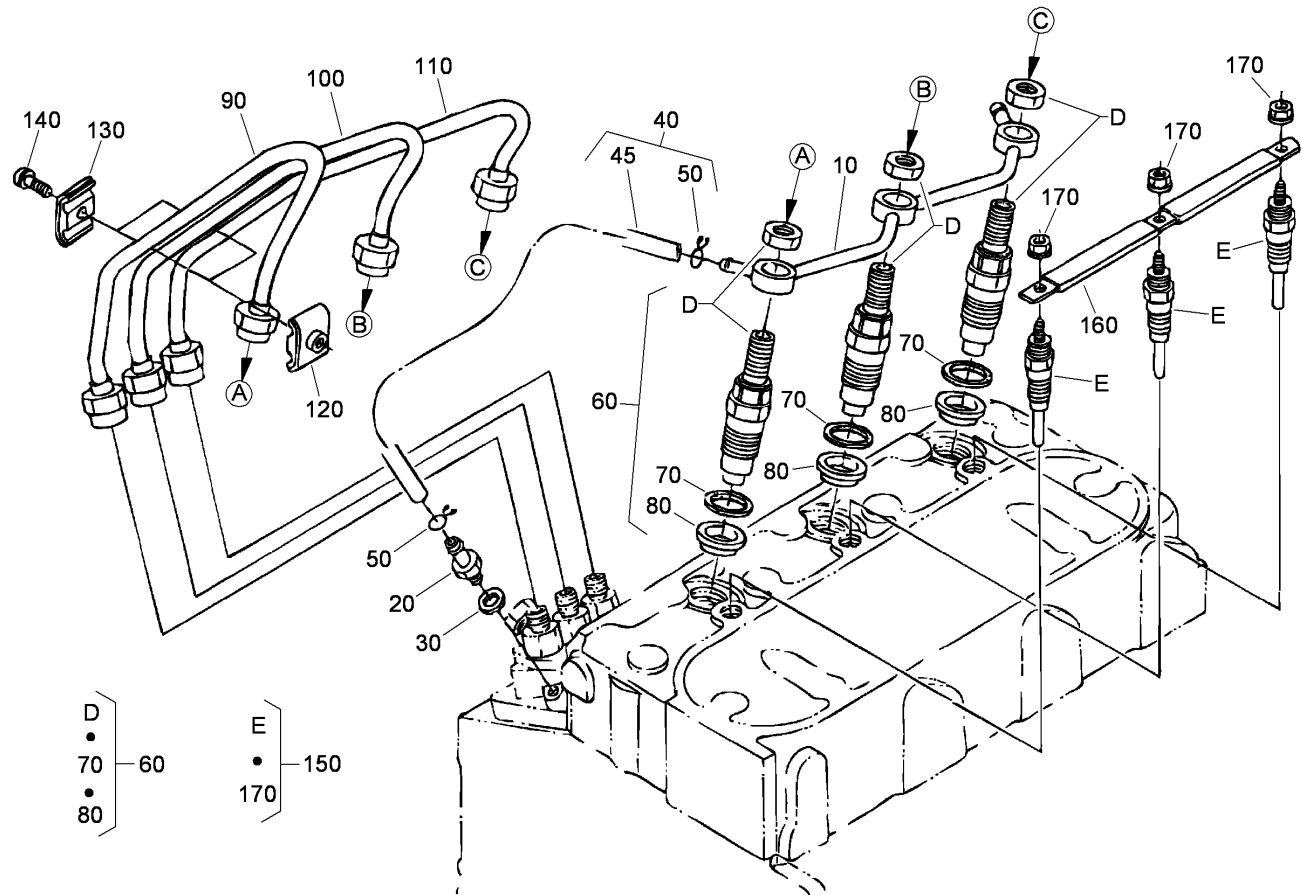
Governor Assembly

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



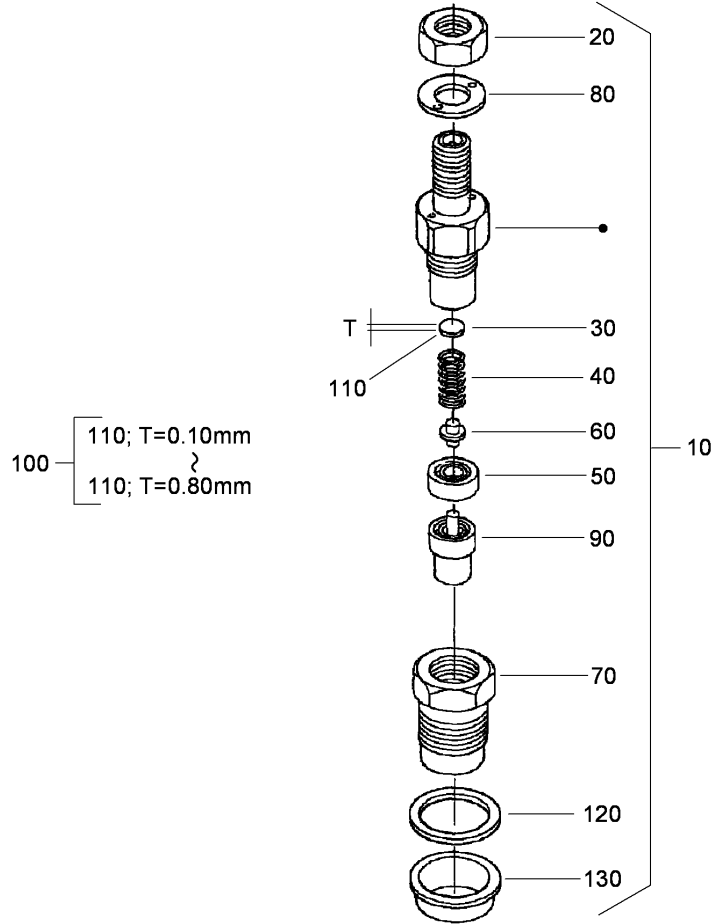
Speed Control Plate Assembly

| Ref | Part No. | 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        |  |  |  |  |



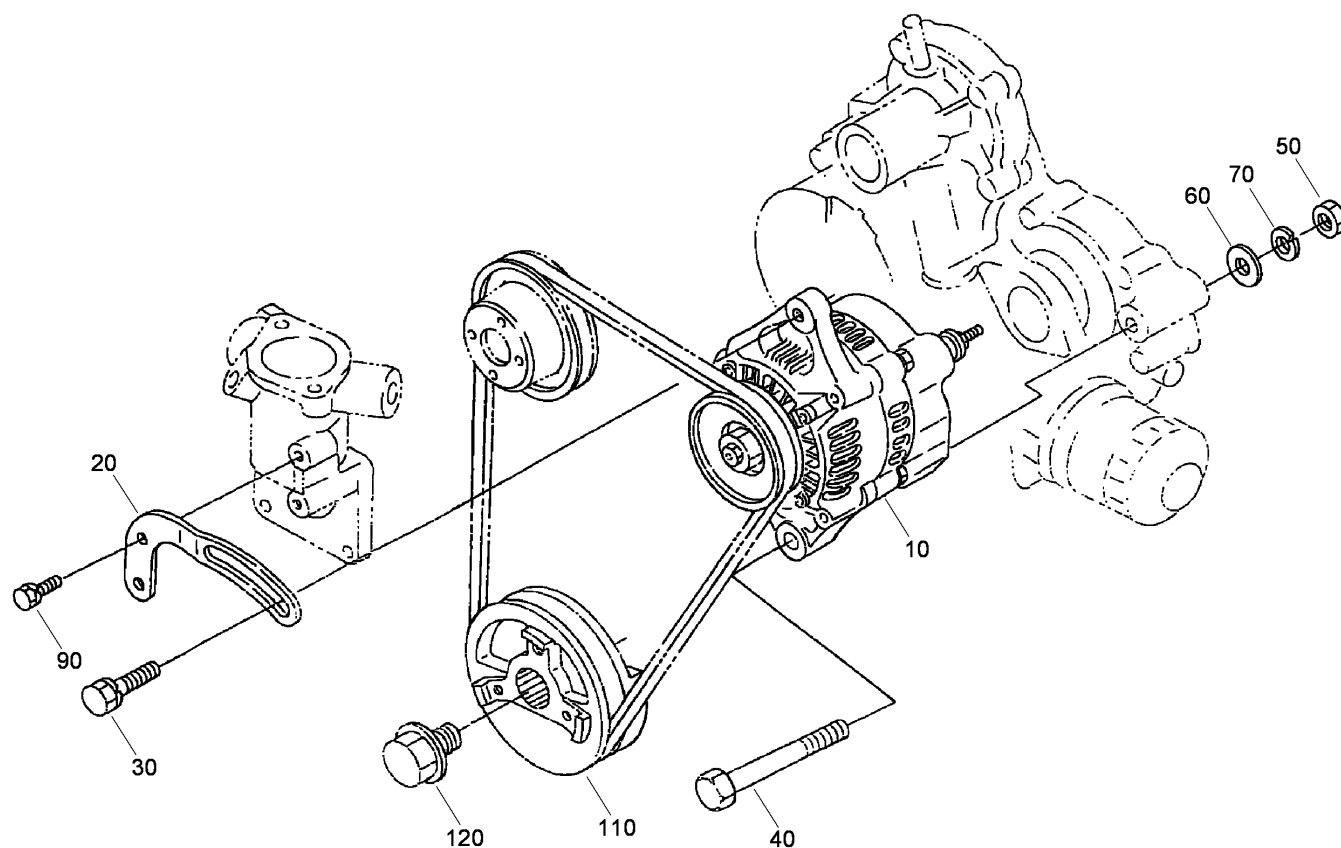
Nozzle Holder and Glow Plug Assembly

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



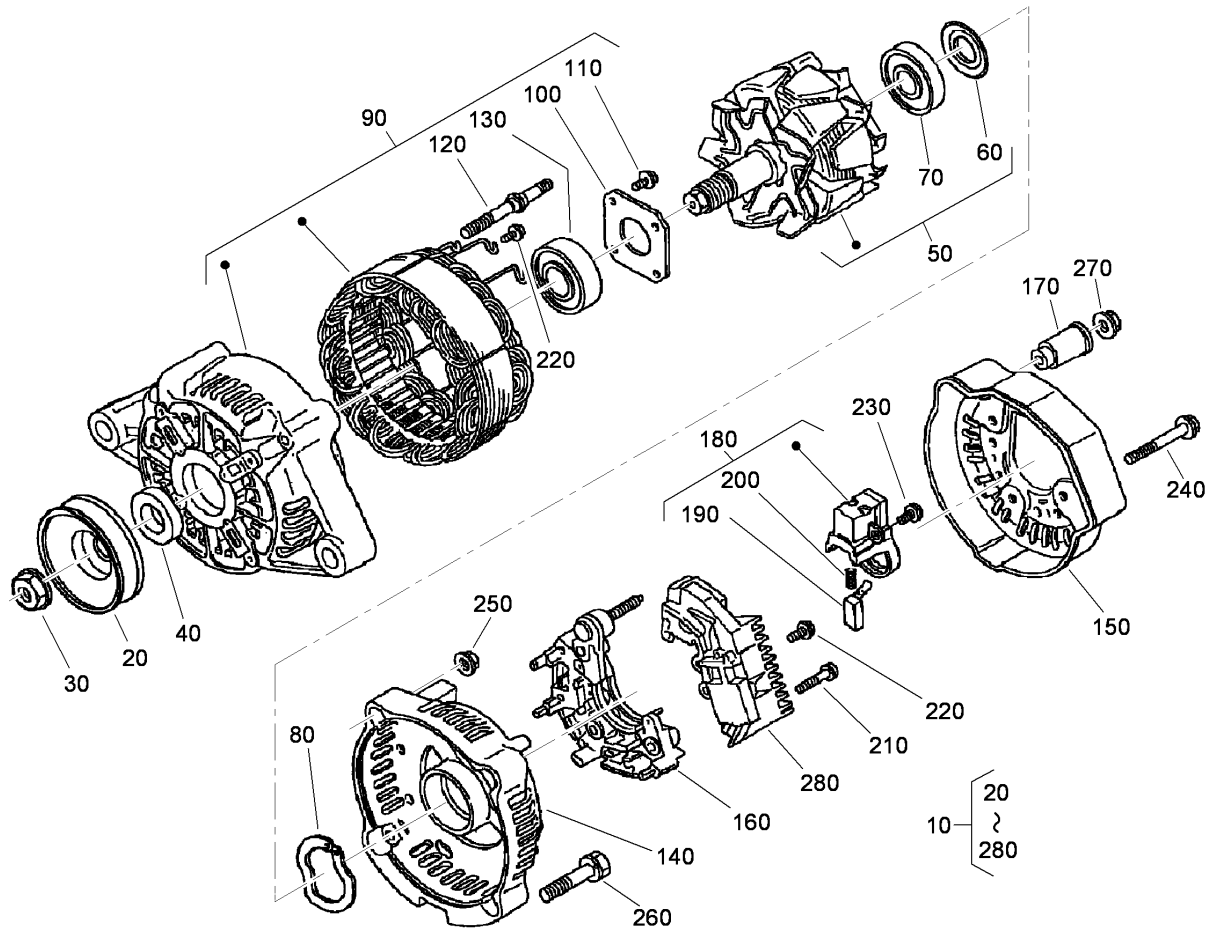
Nozzle Holder Assembly

| Ref | Part No. | 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

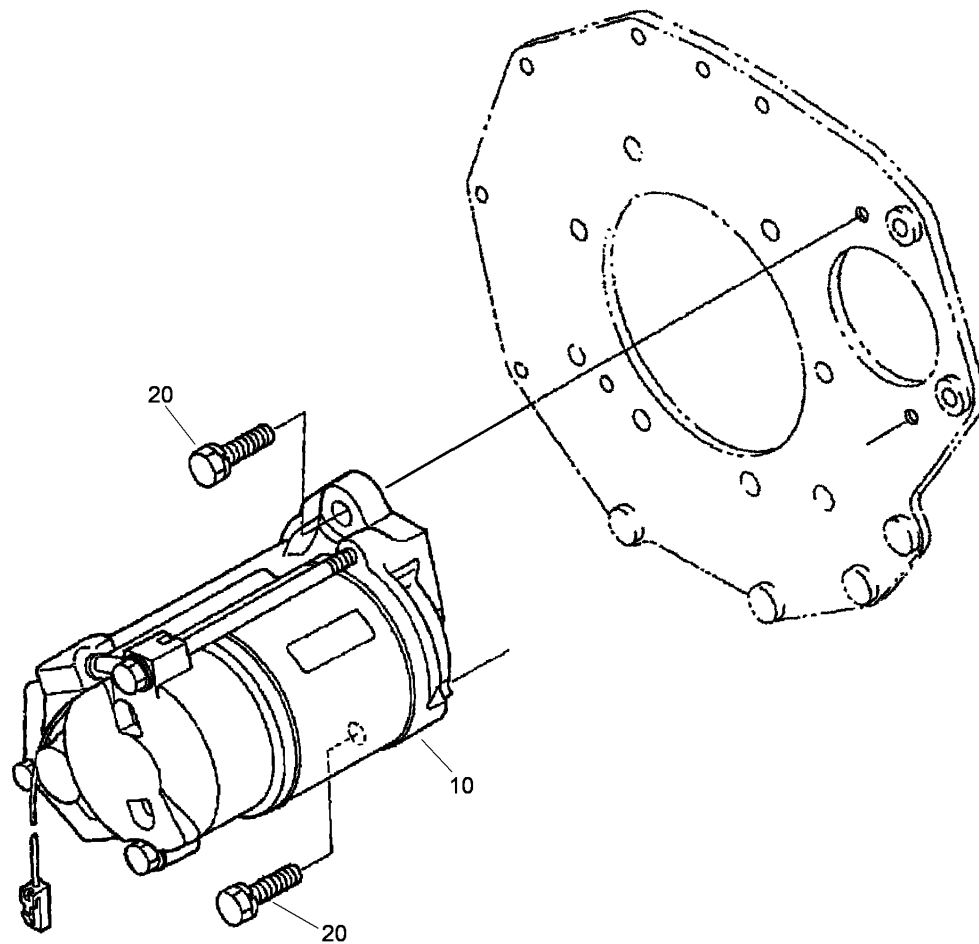
| Ref | Part No. | Qty. | Description       |  |  |  |  |
|-----|----------|------|-------------------|--|--|--|--|
| 10  | 98-9474  | 1    | Alternator ASM    |  |  |  |  |
| 20  | 98-9573  | 1    | Stay-Dynamo       |  |  |  |  |
| 30  | 108-7088 | 1    | Bolt              |  |  |  |  |
| 40  | 98-9360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



Alternator Components

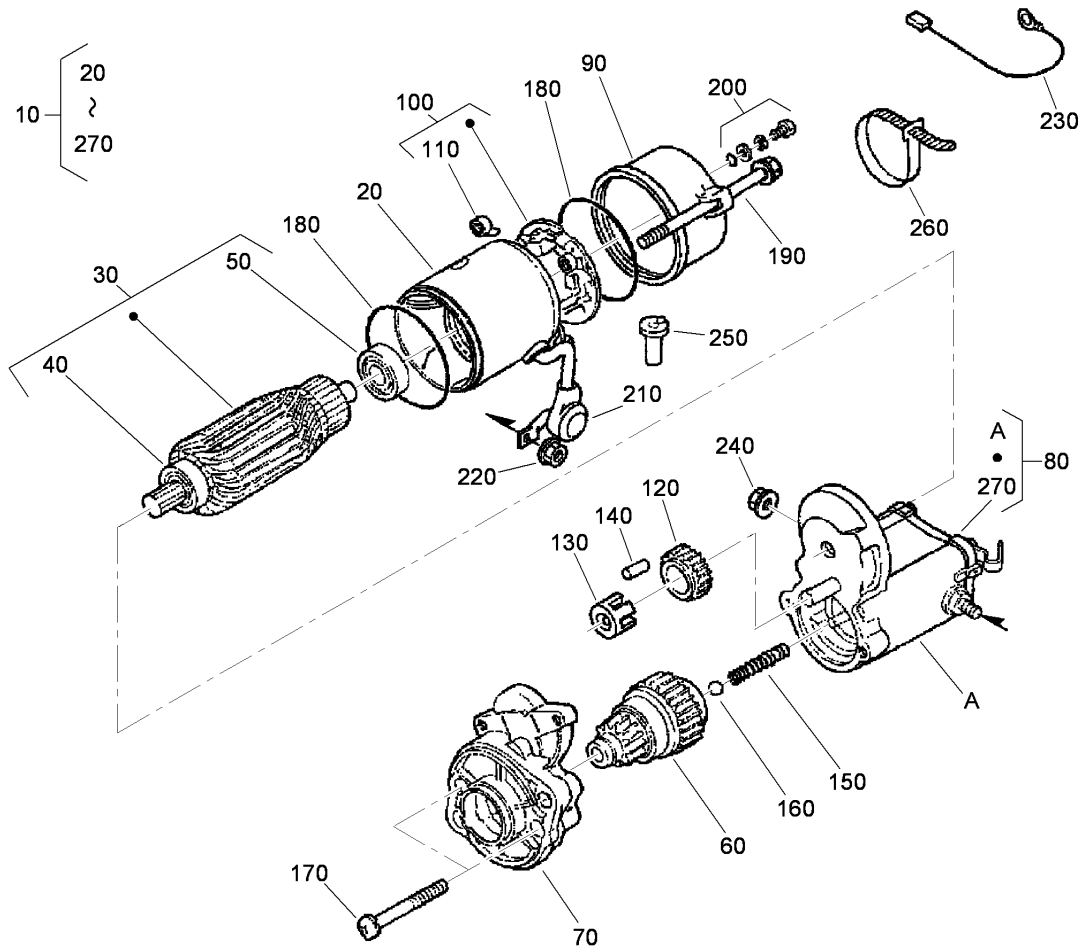
| Ref | Part No. | Qty. | Description         |
|-----|----------|------|---------------------|
| 10  | 98-9474  | 1    | Alternator ASM      |
| 20  | 98-9453  | 1    | Pulley-Dynamo       |
| 30  | 98-7708  | 1    | Nut                 |
| 40  | 98-7709  | 1    | Collar              |
| 50  | 107-0136 | 1    | Rotor               |
| 60  | 98-7711  | 1    | Cover-Bearing       |
| 70  | 107-0138 | 1    | Bearing-Ball        |
| 80  | 98-7713  | 1    | Washer-Thrust       |
| 90  | 107-0139 | 1    | Drive End Frame ASM |
| 100 | 98-7715  | 1    | Plate-Retainer      |
| 110 | 98-7716  | 4    | Screw-Head, Round   |
| 120 | 98-7717  | 2    | Bolt-Through        |
| 130 | 107-0137 | 1    | Bearing-Ball        |
| 140 | 107-9087 | 1    | Frame-End           |
| 150 | 107-0140 | 1    | Cover-End           |
| 160 | 98-7721  | 1    | Rectifier ASM       |
| 170 | 98-7722  | 1    | Bushing-Insulation  |
| 180 | 107-0141 | 1    | Holder-Brush        |
| 190 | 98-7724  | 2    | Brush               |
| 200 | 98-7725  | 2    | Spring-Brush        |
| 210 | 98-7726  | 2    | Screw-Head, Round   |
| 220 | 98-7727  | 6    | Screw-Head, Round   |
| 230 | 98-7728  | 1    | Screw-Head, Round   |
| 240 | 98-7729  | 3    | Bolt                |

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



## Starter Assembly

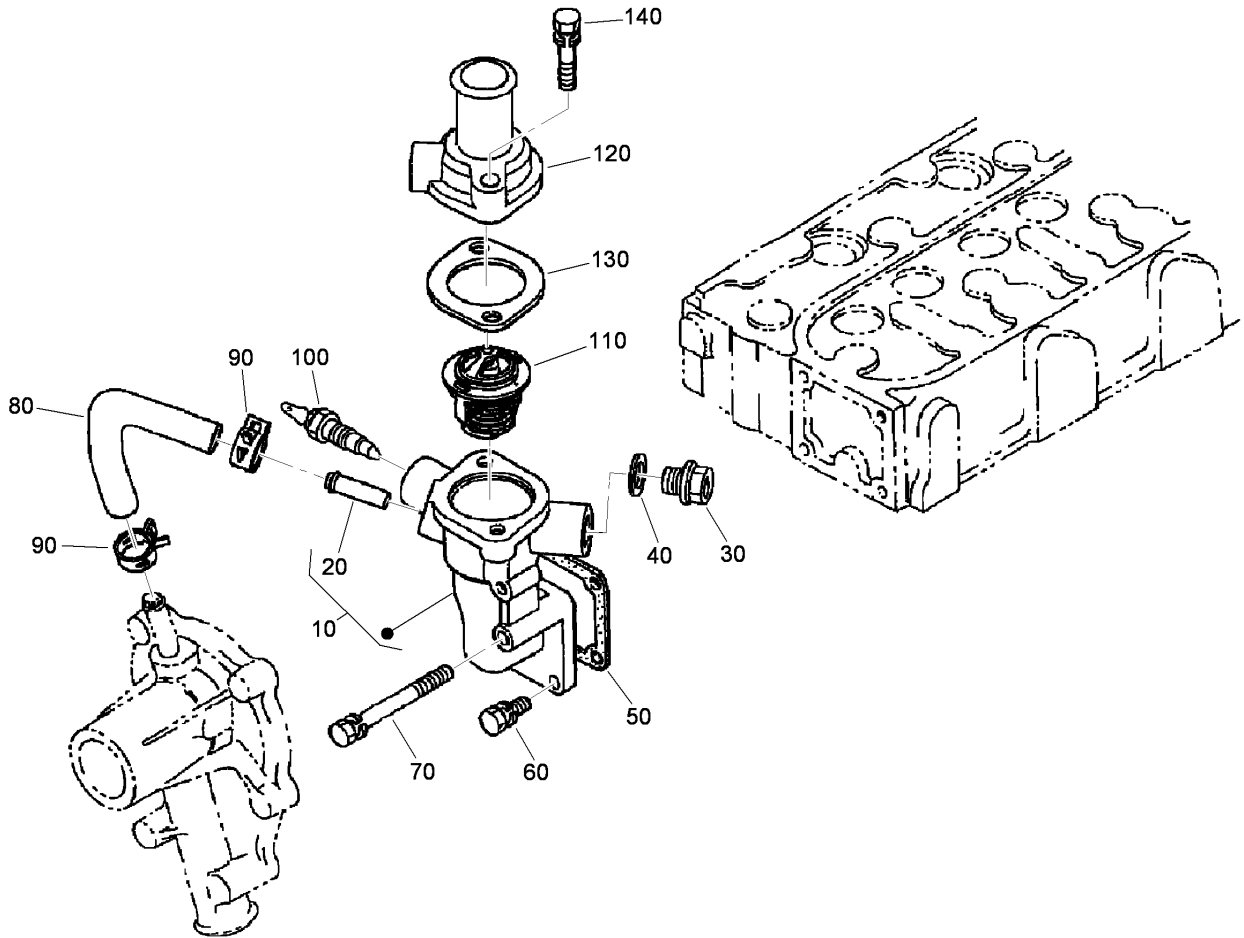
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------|
| 10  | 98-9705  | 1    | Starter ASM |
| 20  | 98-7697  | 2    | Bolt        |



**Starter Assembly No. 98-9705**

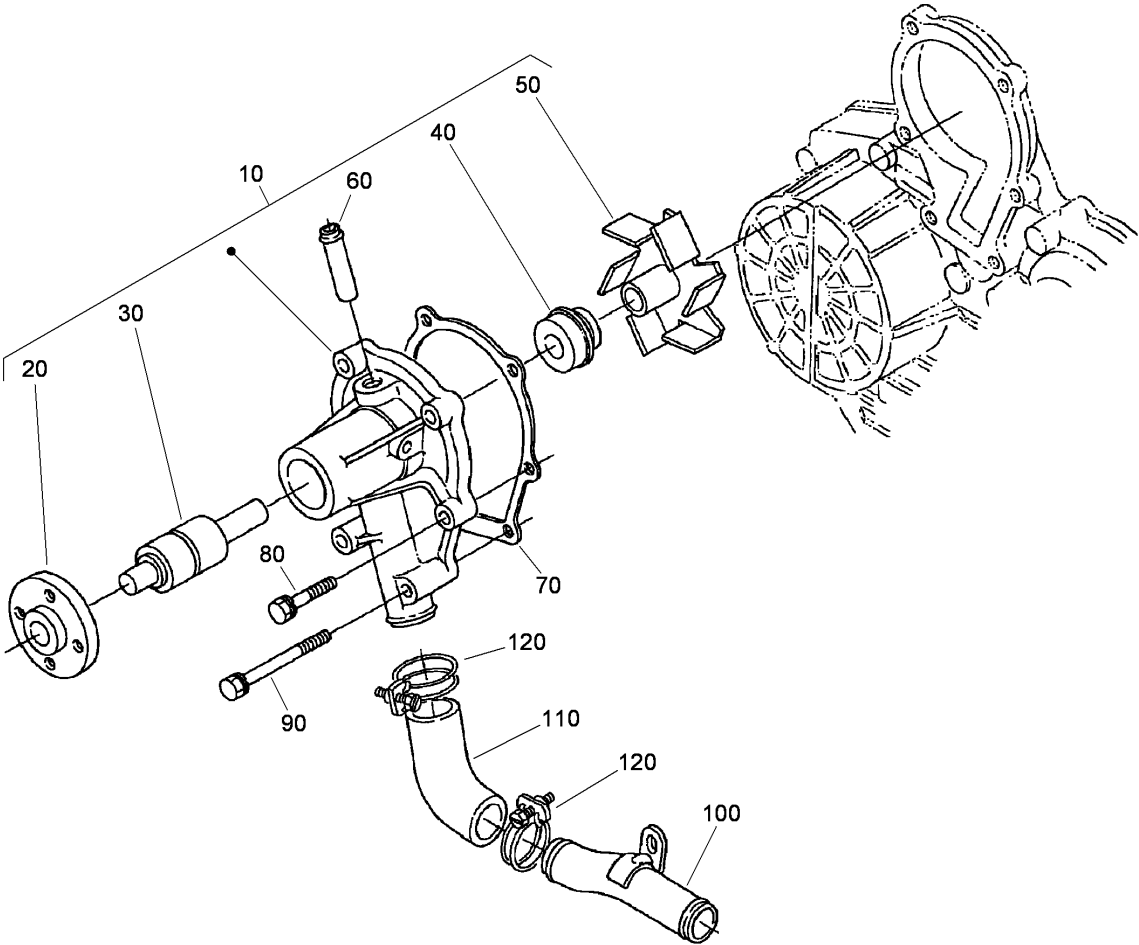
| Ref | Part No. | Qty. | Description          |
|-----|----------|------|----------------------|
| 10  | 98-9705  | 1    | Starter ASM          |
| 20  | 104-8608 | 1    | Yoke ASM             |
| 30  | 98-7742  | 1    | Armature ASM         |
| 40  | 98-7744  | 1    | Bearing              |
| 50  | 98-7743  | 1    | Bearing              |
| 60  | 99-8373  | 1    | Clutch-Running, Over |
| 70  | 99-8374  | 1    | Frame-End, Drive     |
| 80  | 105-3746 | 1    | Magnetic Switch ASM  |
| 90  | 98-7748  | 1    | Frame-End            |
| 100 | 98-7749  | 1    | Brush Holder ASM     |
| 110 | 98-7750  | 4    | Spring-Brush         |
| 120 | 98-7751  | 1    | Gear                 |
| 130 | 98-7752  | 1    | Retainer             |
| 140 | 98-7753  | 5    | Roller               |
| 150 | 98-7754  | 1    | Spring               |
| 160 | 98-7755  | 1    | Ball                 |
| 170 | 98-7756  | 2    | Bolt                 |
| 180 | 98-7757  | 2    | O-Ring               |
| 190 | 100-9240 | 2    | Bolt                 |
| 200 | 98-7758  | 2    | Bolt ASM             |
| 210 | 99-8375  | 1    | Cover                |
| 220 | 99-8371  | 1    | Nut-Hex              |
| 230 | 98-9711  | 1    | Cord-Solenoid, Stop  |
| 240 | 99-8376  | 1    | Nut-Hex              |

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



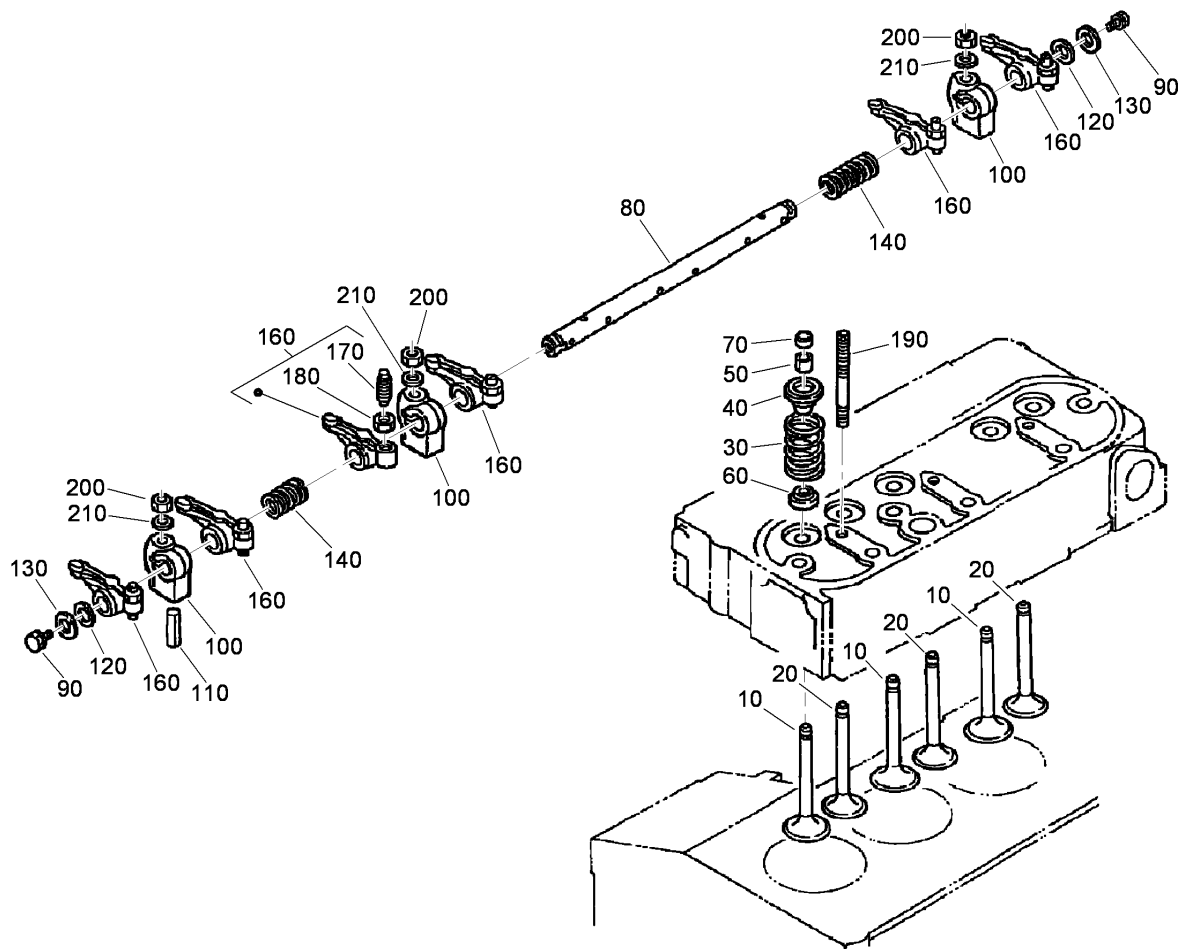
Water Flange and Thermostat Assembly

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



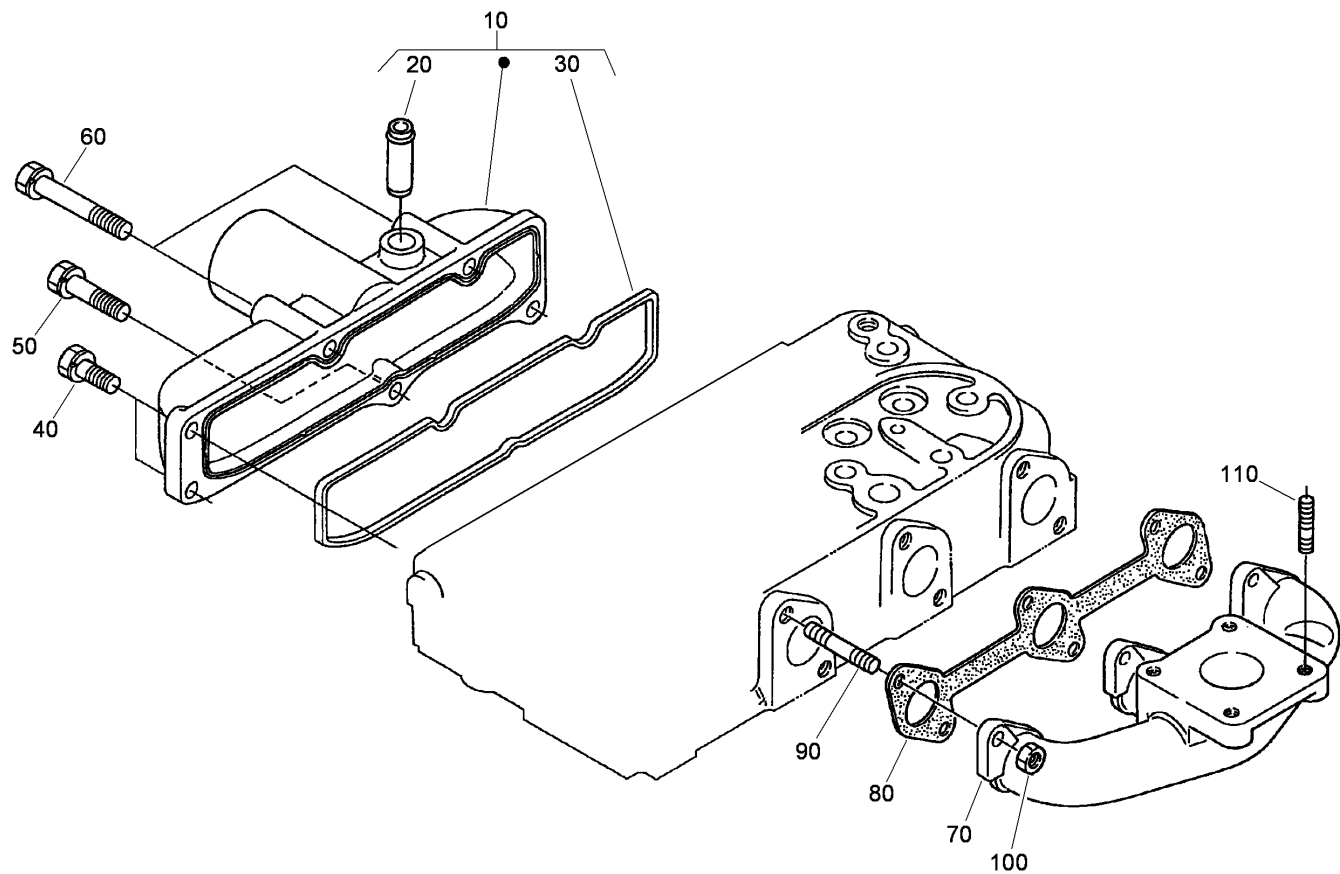
Water Pump Assembly

| Ref | Part No. | Qty. | Description         |  |  |  |  |
|-----|----------|------|---------------------|--|--|--|--|
| 10  | 107-9089 | 1    | Water Pump ASM      |  |  |  |  |
| 20  | 99-3516  | 4    | Flange-Pump, Water  |  |  |  |  |
| 30  | 99-3517  | 1    | Bearing-Pump, Water |  |  |  |  |
| 40  | 105-3750 | 1    | Mechanical Seal ASM |  |  |  |  |
| 50  | 112-8403 | 1    | Impeller ASM        |  |  |  |  |
| 60  | 100-1932 | 1    | Pipe-Return, Water  |  |  |  |  |
| 70  | 99-3454  | 1    | Gasket-Pump, Water  |  |  |  |  |
| 80  | 98-9353  | 4    | Bolt                |  |  |  |  |
| 90  | 107-9090 | 2    | Bolt                |  |  |  |  |
| 100 | 98-9716  | 1    | Pipe-Water          |  |  |  |  |
| 110 | 107-9091 | 1    | Pipe-Water          |  |  |  |  |
| 120 | 98-9717  | 2    | Clamp               |  |  |  |  |



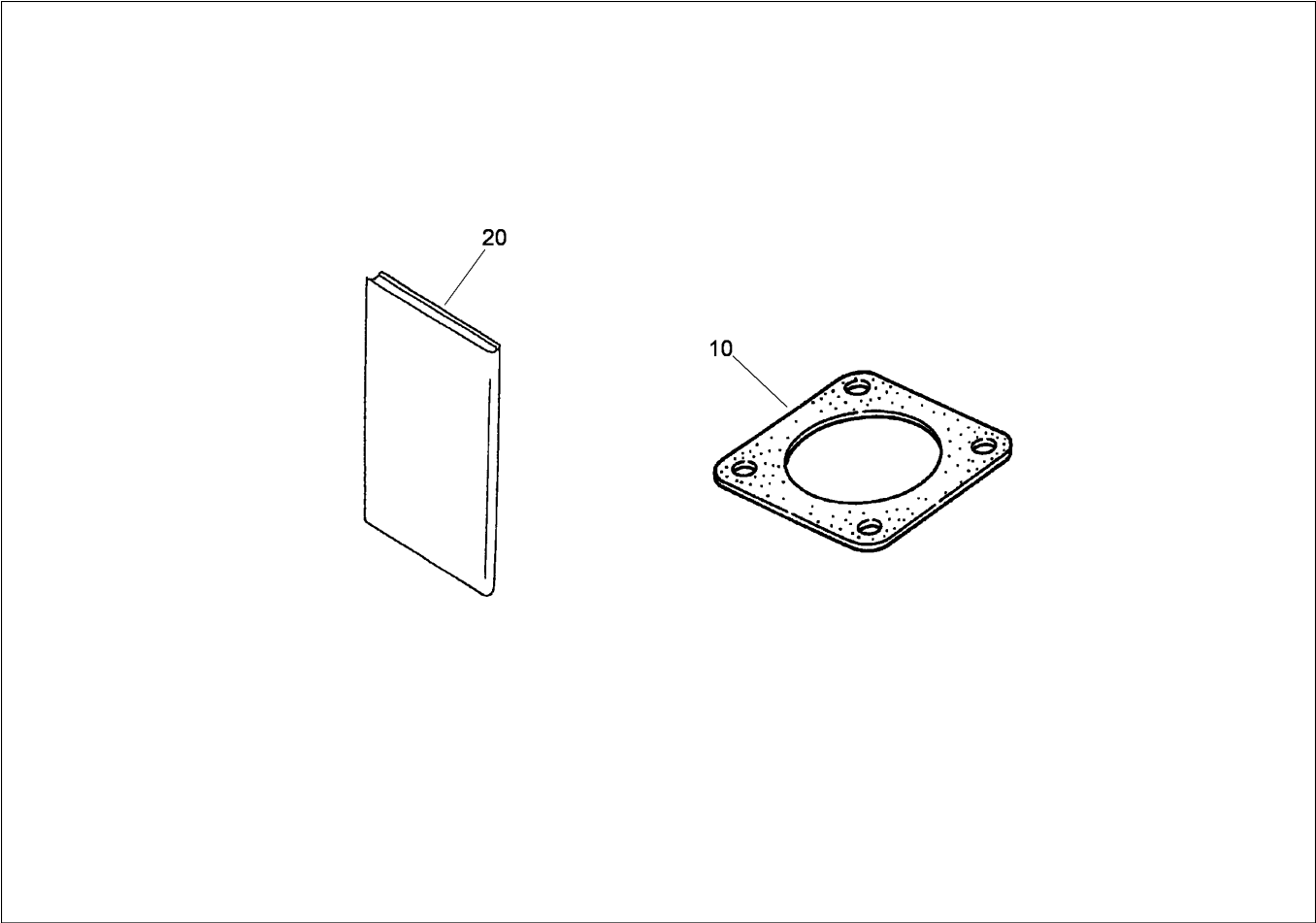
# Valve and Rocker Arm Assembly

| Ref | Part No. | 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-Set, Valve Spring |  |  |  |  |
| 60  | 99-8385  | 6    | Seat-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              |  |  |  |  |



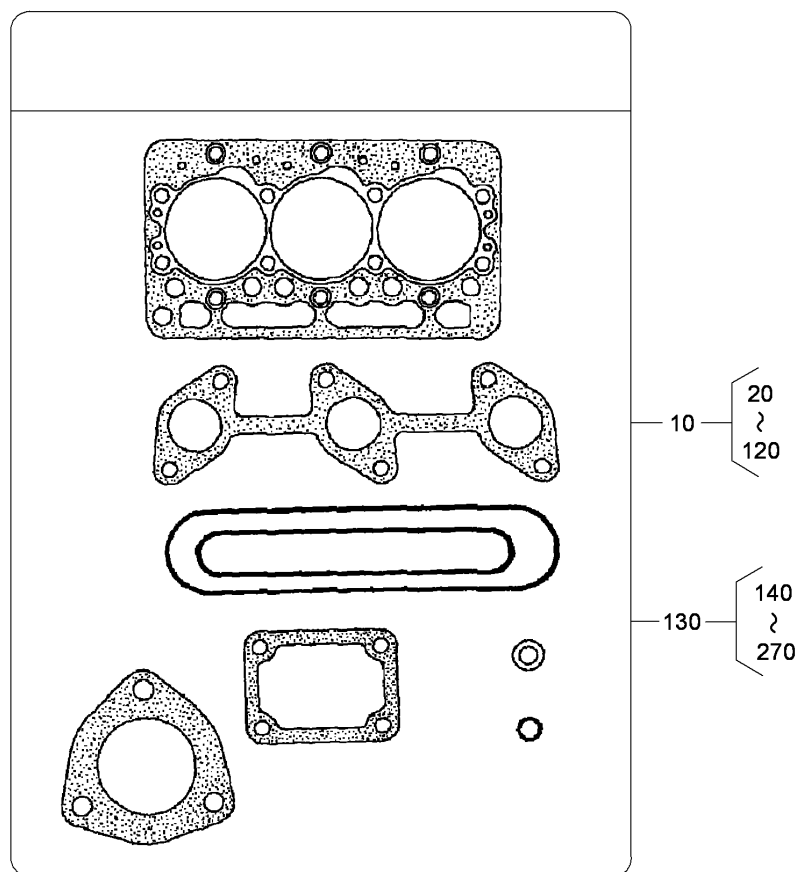
**Inlet Manifold Assembly**

| Ref | Part No. | Qty. | Description              |  |  |  |  |
|-----|----------|------|--------------------------|--|--|--|--|
| 10  | 108-6577 | 1    | Inlet Manifold ASM       |  |  |  |  |
| 20  | 98-9492  | 1    | Joint-Pipe, Breather     |  |  |  |  |
| 30  | 98-9609  | 1    | Gasket                   |  |  |  |  |
| 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

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



## Upper and Lower Gasket Kits

| Ref | Part No. | Qty. | Description      |
|-----|----------|------|------------------|
| 10  | 107-7848 | 1    | Upper Gasket Kit |
| 130 | 107-9095 | 1    | Lower Gasket Kit |

# Attachments and Accessories

## For 30626 - Groundsmaster 328-D Traction Unit

| Product Name                                        | Model/Part |
|-----------------------------------------------------|------------|
| Jack Pad Kit                                        | 106-4386   |
| 2-Wheel Drive Rear Axle Kit                         | 106-8060   |
| Premium Engine Oil, 10w30 (Drum)                    | 108-1179   |
| Premium Engine Oil, 10w30 (Pail)                    | 108-1180   |
| Premium Engine Oil, 15w40 (Drum)                    | 108-1181   |
| Premium Engine Oil, 15w40 (Pail)                    | 108-1182   |
| Premium Transmission/Hydraulic Tractor Fluid (Drum) | 108-1183   |
| Premium Transmission/Hydraulic Tractor Fluid (Pail) | 108-1184   |
| Premium All Purpose Grease                          | 108-1190   |
| Tire Chains (23 x 8.50-12)                          | 11-0390    |
| Wheel Weight Kit                                    | 11-0440    |
| Tube-Inner (23 x 8.50-12)                           | 231-90     |
| Rear Weight Kit                                     | 24-5780    |
| Weight-Rear                                         | 24-5790-01 |
| Standard Seat Kit                                   | 30623      |
| Deluxe Seat Kit                                     | 30625      |
| Seat Adapter Kit                                    | 30628      |
| Cruise Control Kit                                  | 30677      |
| Arm Rest Kit                                        | 30707      |
| 72 Inch Rear Discharge Mower                        | 30710      |
| Quick Attach Adapter Kit                            | 30711      |
| 72 Inch Guardian Recycler Mower                     | 30716      |
| Mowers and Boom Quick Attach Adapter Kit            | 30719      |
| 72 Inch Side Discharge Mower                        | 30722      |
| Recycler Mower Quick Attach Adapter Kit             | 30729      |
| Rotary Broom                                        | 30743      |
| 48 Inch V-Plow                                      | 30750      |
| 48 Inch V-Plow Mounting Kit                         | 30757      |
| 72 Inch Mower Mulching Kit                          | 30799      |
| Debris Blower                                       | 30855      |
| Wide Wheel And 4-Ply Tire ASM                       | 62-7020    |
| Wheel And 6-Ply Tire ASM                            | 69-9870    |
| Spark Arrestor Screen                               | 75-6880    |

## NOTES

