



**Count on it.**

**Parts Catalog**

**Workman® HDX-D**  
**4-Wheel Drive Utility Vehicle with Bed**

Model No. 07387—Serial No. 409500000 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

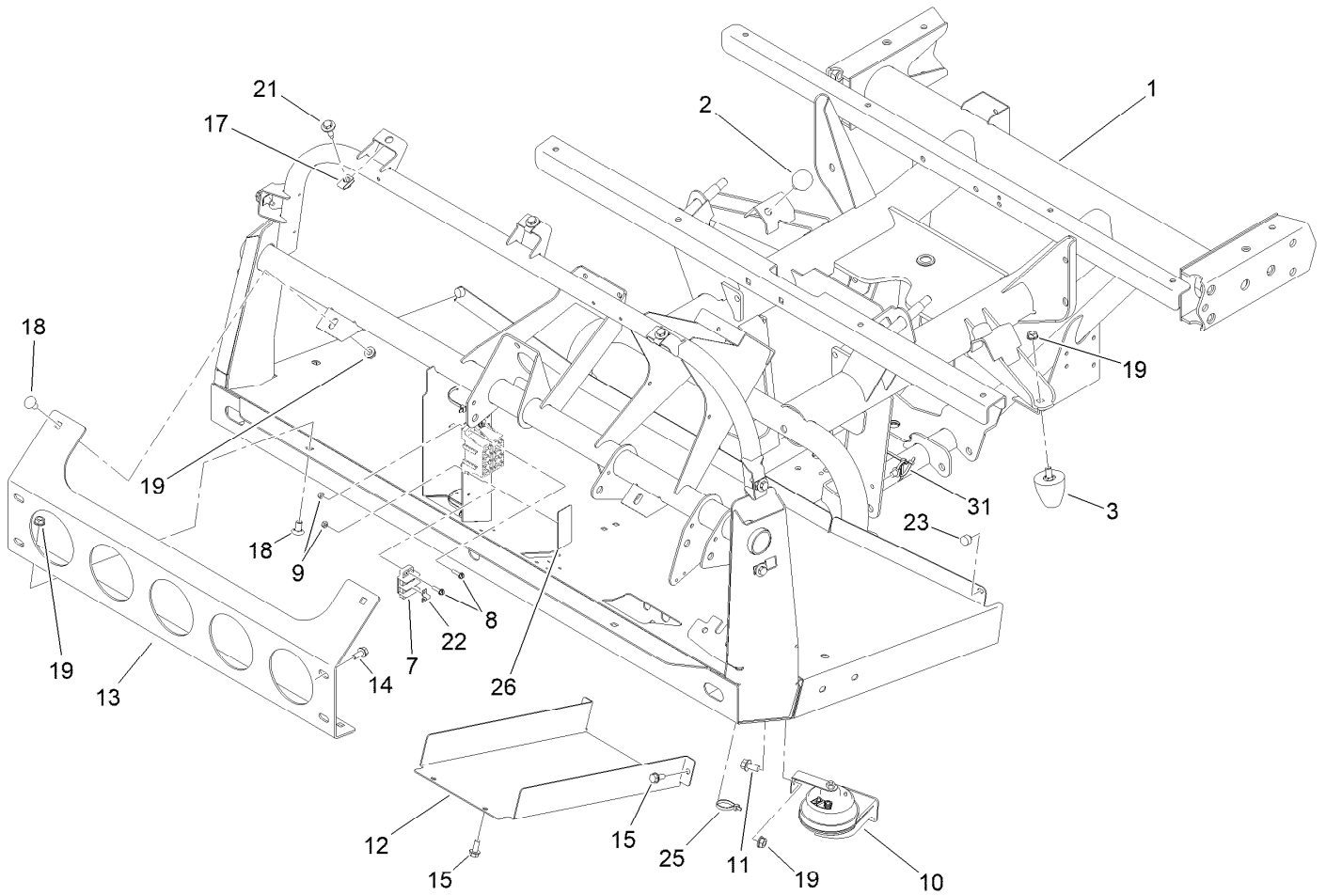
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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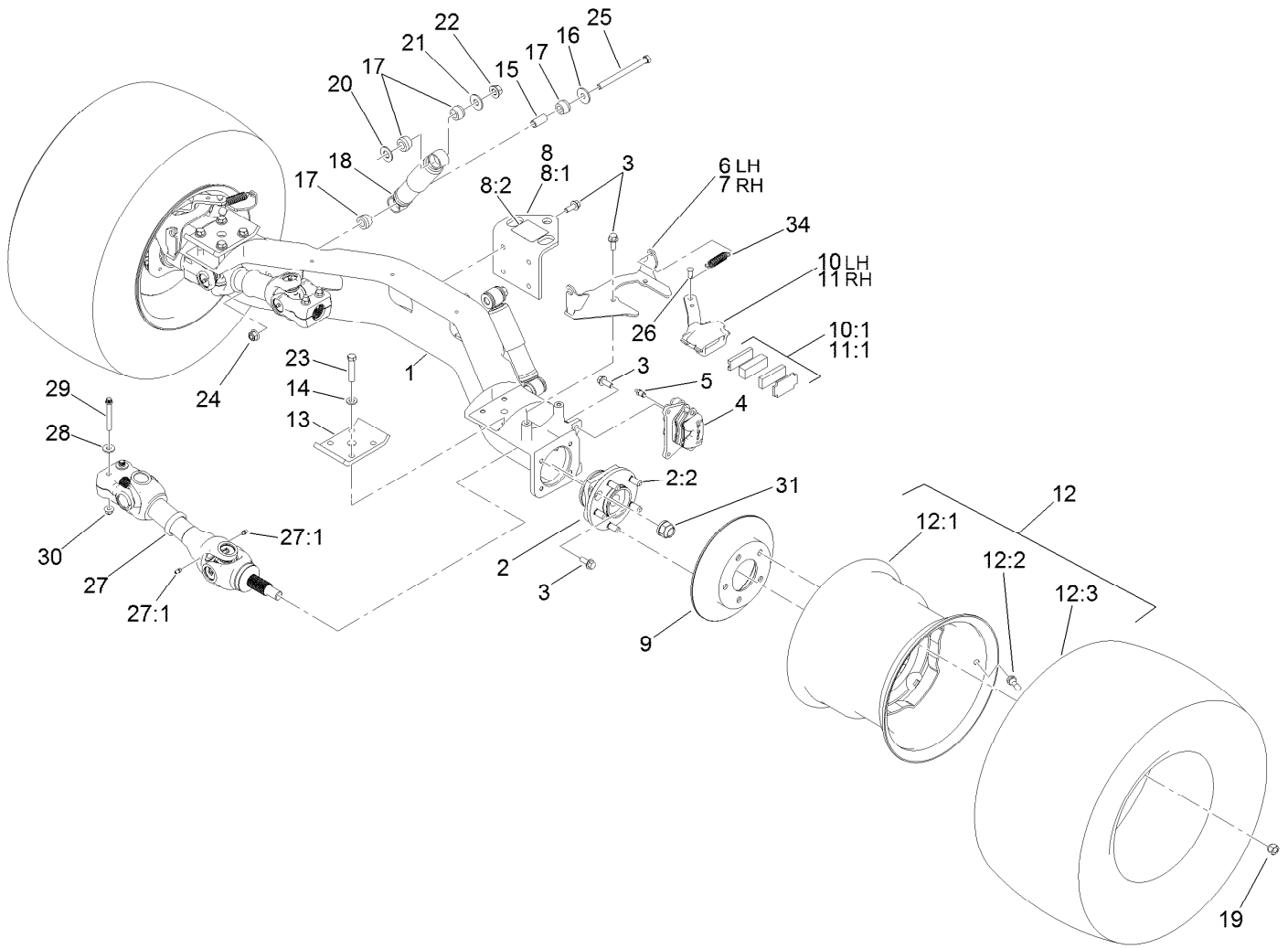
## Front Frame Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 138-9251           | 1           | Frame-Front            | 15          | 32144-70           | 4           | Screw-HWHTF        |
| 2           | 87-2440            | 2           | Bumper-Rubber          | 17          | 94-2413            | 7           | Nut-U              |
| 3           | 26-0071            | 2           | Snubber-Rubber         | 18          | 3231-21            | 4           | Screw-CARR         |
| 7           | 42862              | 1           | Block-Terminal, Ground | 19          | 3290-357           | 7           | Nut-HHF, Whiz      |
| 8           | 32105-13           | 6           | Screw-HWH              | 21          | 114-8418           | 7           | Screw-HWH, Sems    |
| 9           | 3296-2             | 6           | Nut-Lock, NI           | 22          | 42863              | 1           | Strip-Jumper       |
| 10          | 110-2594           | 1           | Horn                   | 23          | 107-8042           | 2           | Bumper-Rubber      |
| 11          | 3234-1             | 1           | Screw-HHF              | 25          | 3290-379           | 9           | Tie-Cable          |
| 12          | 106-2427-03        | 1           | Cover                  | 26          | 115-7813           | 1           | Decal-Fuse         |
| 13          | 114-8272-03        | 1           | Bracket-Bumper         | 31          | 32180-030          | 2           | Clip-Tie           |
| 14          | 3234-5             | 4           | Screw-HHF              |             |                    |             |                    |



## Rear Frame and Suspension Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           | 115-2255-03        | 1           | Frame-Rear         | 13          | 87-5100            | 4           | Washer-Snubbing    |
| 2           | 131-3474           | 1           | Mount-Spring, LH   | 14          | 3234-24            | 4           | Screw-HHF          |
| 3           | 131-3472           | 1           | Mount-Spring, RH   | 15          | 108-3109           | 2           | Retainer-Cylinder  |
| 4           | 104-8301           | 10          | Nut-HF, NI         | 16          | 3229-1             | 2           | Screw-CARR         |
| 5           | 87-4760            | 12          | Bushing-Rubber     | 17          | 104-7201           | 3           | Nut-Flange, NI     |
| 6           | 87-1490            | 2           | Spring-Leaf, Rear  | 18          | 87-3470            | 2           | Bumper             |
| 7           | 131-3476           | 4           | Shackle            | 19          | 103-9511           | 2           | Nut-Lock, NI       |
| 8           | 3234-38            | 18          | Screw-HHF          | 20          | 115-2047           | 2           | Decal-Surface, Hot |
| 9           | 99-5107            | 18          | Nut-Lock           | 21          | 33116-080          | 2           | Screw-HH           |
| 10          | 32148-9            | 4           | Nut-Clinch         | 22          | 3255-8             | 1           | Washer-Lock        |
| 11          | 87-5800-03         | 2           | Mount-Transaxle    | 23          | 32105-15           | 1           | Screw-HWH          |
| 12          | 106-7865           | 2           | Mount-Engine       |             |                    |             |                    |



## Rear Axle Assembly

| Ref. | Part Number | Qty. | Description             | Ref. | Part Number | Qty. | Description            |
|------|-------------|------|-------------------------|------|-------------|------|------------------------|
| 1    | 119-9515    | 1    | Axle-Rear               | 14   | 87-7480     | 8    | Washer                 |
| 2    | 121-9751    | 2    | Hub-Bearing, Wheel      | 15   | 87-3600     | 2    | Spacer-Absorber, Shock |
| 2:2  | 121-9752    | 5    | Stud-Wheel              | 16   | 87-5330     | 2    | Washer                 |
| 3    | 3234-11     | 20   | Screw-HHF               | 17   | 87-3920     | 8    | Bushing                |
| 4    | 127-7424    | 2    | Brake Caliper ASM       | 18   | 121-9774    | 2    | Absorber-Shock         |
| 5    | 119-9509    | 2    | Screw-Bleed             | 19   | 242-50      | 10   | Nut-Lug                |
| 6    | 115-2362-0P | 1    | Bracket ASM-Caliper, LH | 20   | 3256-27     | 2    | Washer-Flat            |
| 7    | 115-2359-0P | 1    | Bracket ASM-Caliper, RH | 21   | 3256-6      | 2    | Washer-Flat            |
| 8    | 115-7742    | 1    | Hitch ASM               | 22   | 99-5107     | 2    | Nut-Lock               |
| 8:1  | 92-5951-03  | 1    | Angle-Hitch             | 23   | 115-2398    | 8    | Bolt-HH                |
| 8:2  | 136-1163    | 1    | Decal-Load, Towing      | 24   | 114-8417    | 2    | Nut-HF, NI             |
| 9    | 114-8351    | 2    | Rotor-Brake             | 25   | 114-8424    | 2    | Screw-HH               |
| 10   | 114-8365    | 1    | Caliper-Mechanical, LH  | 26   | 283-85      | 2    | Pin-Clevis             |
| 10:1 | 115-7847    | 1    | Parking Brake Pad Kit   | 27   | 138-5600    | 2    | Driveshaft ASM         |
| 11   | 114-8366    | 1    | Caliper-Mechanical, RH  | 27:1 | 302-5       | 2    | Fitting-Grease         |
| 11:1 | 115-7847    | 1    | Parking Brake Pad Kit   | 28   | 80-6990     | 4    | Washer-Hardened        |
| 12   | 131-8428    | 2    | Tire/Wheel ASM          | 29   | 98-2939     | 4    | Screw-Cap              |
| 12:1 | 131-6673    | 1    | Tire-Rear               | 30   | 104-8301    | 4    | Nut-HF, NI             |
| 12:2 | 131-8429    | 1    | Wheel                   | 31   | 115-2164    | 2    | Nut-Spindle            |
| 12:3 | 232-27      | 1    | Stem-Valve              | 34   | 104-6415    | 2    | Spring-Return, Pedal   |
| 13   | 87-7470-0P  | 2    | Plate - Sprg Clamp *b   |      |             |      |                        |



## Brake Caliper Assembly No. 127-7424

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 133-0628           | 1           | Brake Pad Kit      |
| 2           | 119-9511           | 1           | Bracket Kit        |
| 3           | 133-0614           | 1           | Piston Kit         |





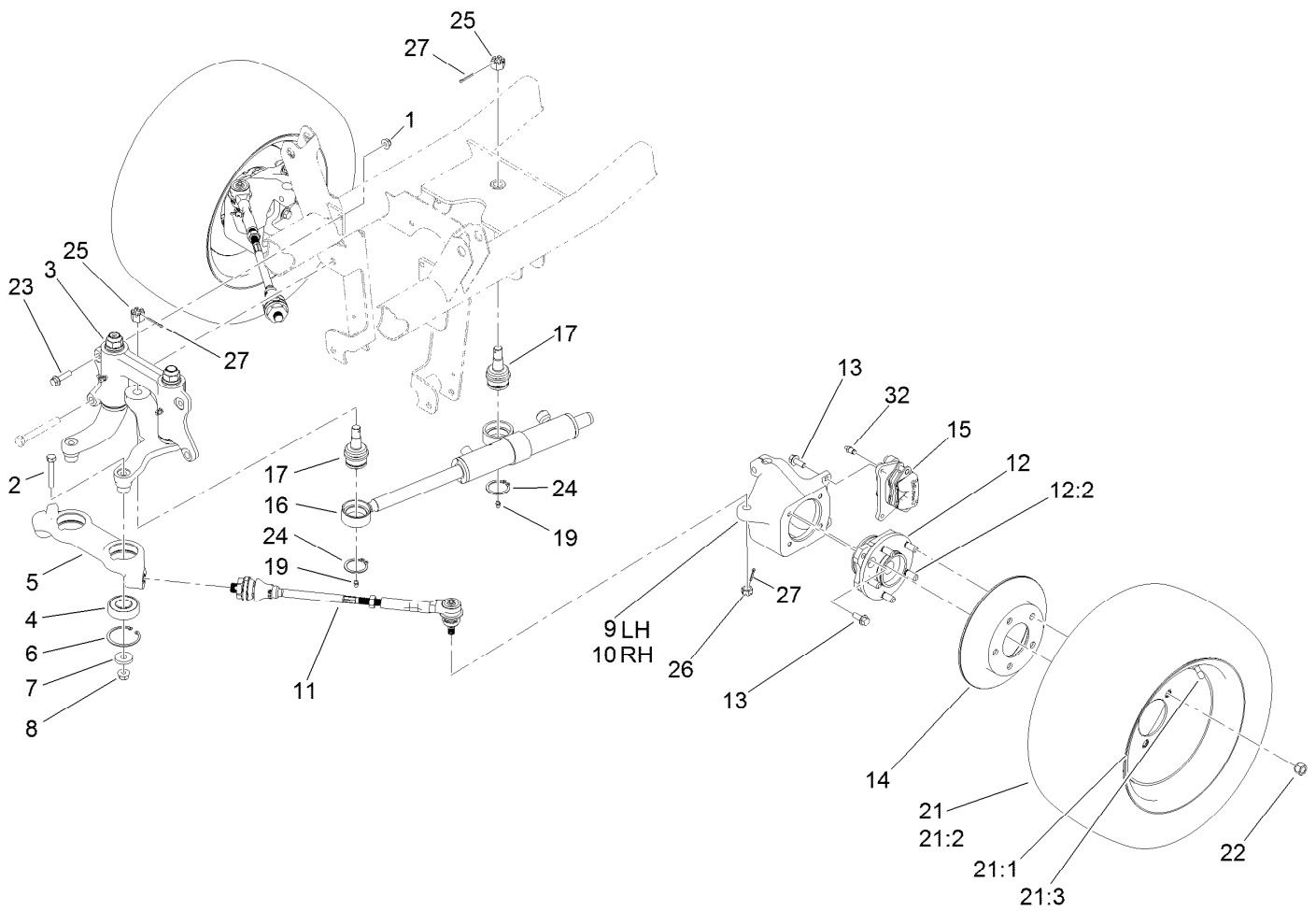
## Front and Rear Brake Line Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 119-9682           | 1           | Front Brake Line ASM |
| 2           | 119-9681           | 1           | Rear Brake Line ASM  |
| 3           | 32144-70           | 1           | Screw-HWHTF          |
| 4           | 321-6              | 3           | Screw-HH             |
| 5           | 104-7201           | 3           | Nut-Flange, NI       |
| 6           | 3234-21            | 3           | Screw-HHF            |
| 7           | 32128-33           | 3           | Nut-HF               |
| 8           | 115-2341           | 8           | Washer-Banjo         |
| 9           | 120-4875           | 4           | Bolt-Flange, Banjo   |



## Front Suspension Assembly

| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|------|-------------|------|------------------------|
| 1    | 137-1693    | 1    | Control Arm-LH         | 11   | 119-6725    | 2    | Link, Anti-Sway Bar    |
| 1:1  | 87-0160-03  | 1    | Tower-Control Arm, LH  | 12   | 87-3920     | 24   | Bushing                |
| 1:2  | 33-3090     | 2    | Bushing                | 13   | 133-0633-0P | 1    | Bar-Anti-Sway, HD      |
| 1:3  | 302-11      | 1    | Fitting-Lube, 45 DEG   | 15   | 87-3910     | 2    | Bushing-Rubber         |
| 2    | 137-1692    | 1    | Control Arm-RH         | 16   | 87-4010     | 2    | Clamp, Anti-Sway Bar   |
| 2:1  | 87-0150-03  | 1    | Tower-Control Arm, RH  | 17   | 87-3890     | 2    | Bracket, Anti-Sway Bar |
| 2:2  | 33-3090     | 2    | Bushing                | 18   | 3231-25     | 4    | Bolt-CARR              |
| 2:3  | 302-11      | 1    | Fitting-Lube, 45 DEG   | 19   | 104-8301    | 12   | Nut-HF, NI             |
| 4    | 3234-39     | 8    | Screw-HHF              | 20   | 119-6724    | 2    | Link-Stabilizer        |
| 5    | 87-2500     | 2    | Sleeve-Spring, Pivot   | 21   | 324-10      | 8    | Screw-HH               |
| 6    | 105-7958    | 2    | Spring Cradle ASM      | 22   | 140-2566    | 2    | Spring-Compression     |
| 6:2  | 93-9879     | 1    | Decal-Warning          | 24   | 121-9774    | 2    | Absorber-Shock         |
| 7    | 325-13      | 2    | Screw-HH               | 25   | 324-13      | 2    | Screw-HH               |
| 8    | 99-5107     | 4    | Nut-Lock               | 26   | 3256-6      | 2    | Washer-Flat            |
| 9    | 87-3600     | 10   | Spacer-Absorber, Shock | 27   | 3256-27     | 2    | Washer-Flat            |
| 10   | 87-5330     | 12   | Washer                 | 28   | 114-8417    | 10   | Nut-HF, NI             |



## Steering and Front Wheel Assembly

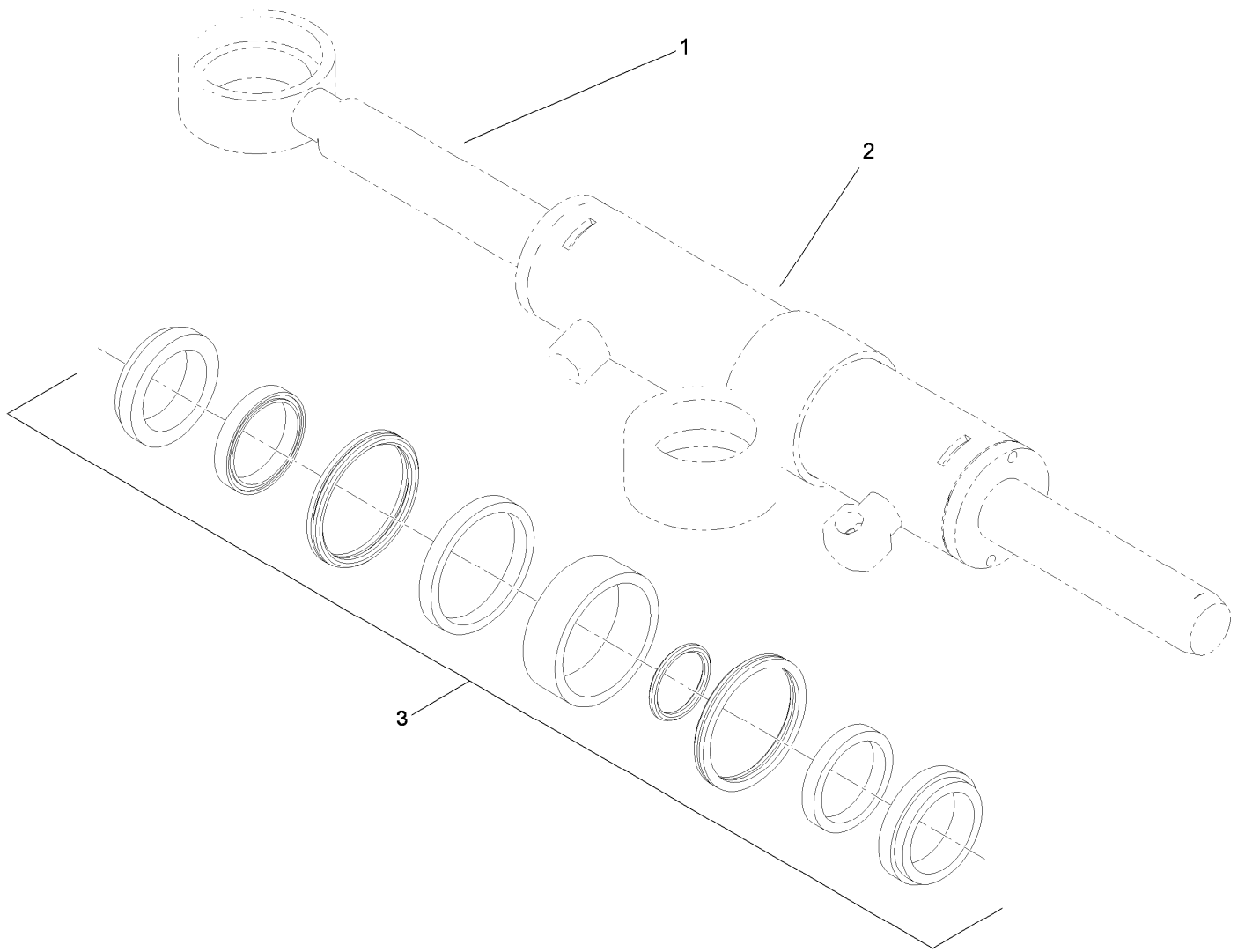
| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|------------------------|------|-------------|------|--------------------------|
| 1    | 104-8301    | 2    | Nut-HF, NI             | 15   | 127-7424    | 2    | Brake Caliper ASM        |
| 2    | 324-10      | 2    | Screw-HH               | 16   | 120-5059    | 1    | HYD Cylinder ASM         |
| 3    |             | 1    | Steering Linkage ASM ● | 17   | 106-6774    | 2    | Joint-Ball               |
| 4    | 119-9548    | 2    | Bearing-Ball           | 19   | 302-5       | 2    | Fitting-Grease           |
| 5    | 114-8296    | 1    | Link-Center            | 21   | 131-8430    | 2    | Tire/Wheel ASM           |
| 6    | 32120-22    | 2    | Ring-Snap, Internal    | 21:1 | 131-8431    | 1    | Wheel                    |
| 7    | 112843      | 2    | Washer                 | 21:2 | 131-6670    | 1    | Tire                     |
| 8    | 114-8417    | 2    | Nut-HF, NI             | 21:3 | 232-27      | 1    | Stem-Valve               |
| 9    | 119-9513    | 1    | Knuckle-LH             | 22   | 242-50      | 10   | Nut-Lug                  |
| 10   | 119-9514    | 1    | Knuckle-RH             | 23   | 114-4681    | 2    | Screw-HHF                |
| 11   | 114-8356    | 2    | Tie Rod ASM            | 24   | 32151-104   | 2    | Ring-Retaining, External |
| 12   | 121-9751    | 2    | Hub-Bearing, Wheel     | 25   | 32136-14    | 2    | Nut-Hst                  |
| 12:2 | 121-9752    | 5    | Stud-Wheel             | 26   | 32136-3     | 2    | Nut-SHH                  |
| 13   | 3234-11     | 12   | Screw-HHF              | 27   | 3272-11     | 4    | Pin-Cotter               |
| 14   | 114-8351    | 2    | Rotor-Brake            | 32   | 119-9509    | 2    | Screw-Bleed              |

● Not serviced separately



## Steering Linkage Assembly

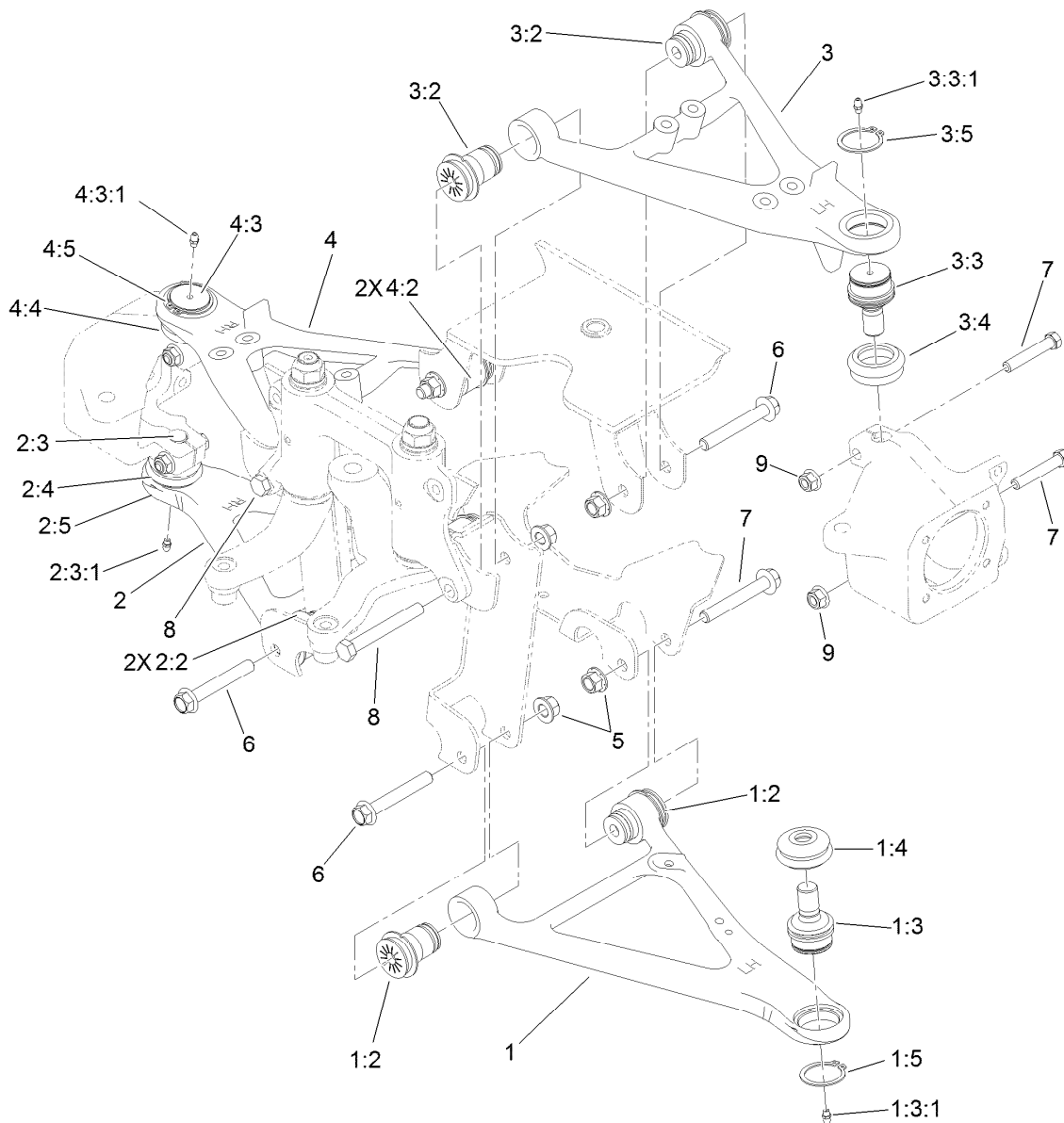
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|----------------------------------|
| 1           | 132-6767           | 1           | Mount-Pivot, W/Bushings          |
| 7           | 115-2164           | 2           | Nut-Spindle                      |
| 9           | 302-60             | 2           | Fitting-Grease                   |
| 10          | 132-0794           | 1           | Idler Arm ASM                    |
| 10:1        | 132-0792           | 1           | Idler Arm And Thrust Washer ASM  |
| 10:2        | 93-7510            | 1           | Ring-Quad                        |
| 10:3        | 131-3499           | 1           | O-Ring                           |
| 11          | 132-0795           | 1           | Pitman Arm ASM                   |
| 11:1        | 132-0793           | 1           | Pitman Arm And Thrust Washer ASM |
| 11:2        | 93-7510            | 1           | Ring-Quad                        |
| 11:3        | 131-3499           | 1           | O-Ring                           |



## Hydraulic Cylinder Assembly No. 120-5059

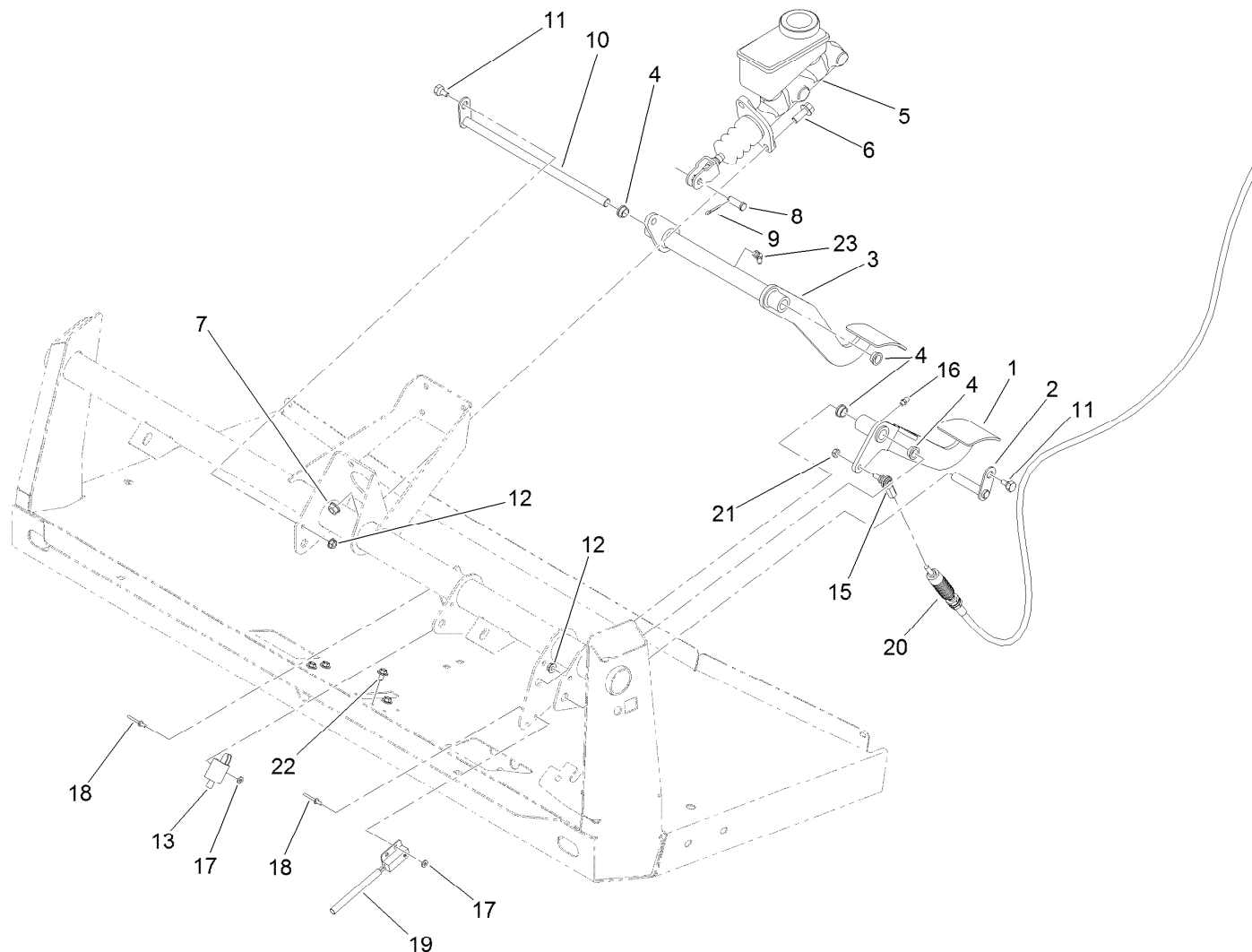
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           |                    | 1           | Rod-Cylinder ●      |
| 2           |                    | 1           | Body-Cylinder ●     |
| 3           | 115-2160           | 1           | Cylinder Repair Kit |

● Not serviced separately



## Front Control Arm Assembly

| Ref.  | Part Number | Qty. | Description              | Ref.  | Part Number | Qty. | Description              |
|-------|-------------|------|--------------------------|-------|-------------|------|--------------------------|
| 1     | 115-2405    | 1    | Lower LH Control Arm ASM | 3:3:1 | 302-5       | 1    | Fitting-Grease           |
| 1:2   | 87-1450     | 2    | Bushing-Flange           | 3:4   | 87-2420     | 1    | Seal-Joint, Ball         |
| 1:3   | 115-2165    | 1    | Ball Joint               | 3:5   | 32151-104   | 1    | Ring-Retaining, External |
| 1:3:1 | 302-5       | 1    | Fitting-Grease           | 4     | 115-2406    | 1    | Upper RH Control Arm ASM |
| 1:4   | 87-2420     | 1    | Seal-Joint, Ball         | 4:2   | 87-1450     | 2    | Bushing-Flange           |
| 1:5   | 32151-104   | 1    | Ring-Retaining, External | 4:3   | 115-2165    | 1    | Ball Joint               |
| 2     | 115-2407    | 1    | Lower RH Control Arm ASM | 4:3:1 | 302-5       | 1    | Fitting-Grease           |
| 2:2   | 87-1450     | 2    | Bushing-Flange           | 4:4   | 87-2420     | 1    | Seal-Joint, Ball         |
| 2:3   | 115-2165    | 1    | Ball Joint               | 4:5   | 32151-104   | 1    | Ring-Retaining, External |
| 2:3:1 | 302-5       | 1    | Fitting-Grease           | 5     | 99-5107     | 8    | Nut-Lock                 |
| 2:4   | 87-2420     | 1    | Seal-Joint, Ball         | 6     | 114-8419    | 6    | Screw-HHF                |
| 2:5   | 32151-104   | 1    | Ring-Retaining, External | 7     | 324-10      | 4    | Screw-HH                 |
| 3     | 115-2404    | 1    | Upper LH Control Arm ASM | 8     | 325-17      | 2    | Screw-HH                 |
| 3:2   | 87-1450     | 2    | Bushing-Flange           | 9     | 114-8417    | 4    | Nut-HF, NI               |
| 3:3   | 115-2165    | 1    | Ball Joint               |       |             |      |                          |



## Brake and Clutch Pedal Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 127-7357-03 | 1    | Pedal-Clutch        |
| 2    | 115-2269    | 1    | Pin-Pivot           |
| 3    | 120-5023-03 | 1    | Pedal-Brake         |
| 4    | 256-156     | 4    | Bushing-Flange      |
| 5    | 104-6782    | 1    | Master Cylinder ASM |
| 6    | 3234-11     | 2    | Screw-HHF           |
| 7    | 3290-357    | 2    | Nut-HHF, Whiz       |
| 8    | 283-2       | 1    | Pin-Clevis          |
| 9    | 3272-10     | 1    | Pin-Cotter          |
| 10   | 137-6729    | 1    | Shaft-Brake         |
| 11   | 63-3410     | 2    | Screw-Shoulder      |

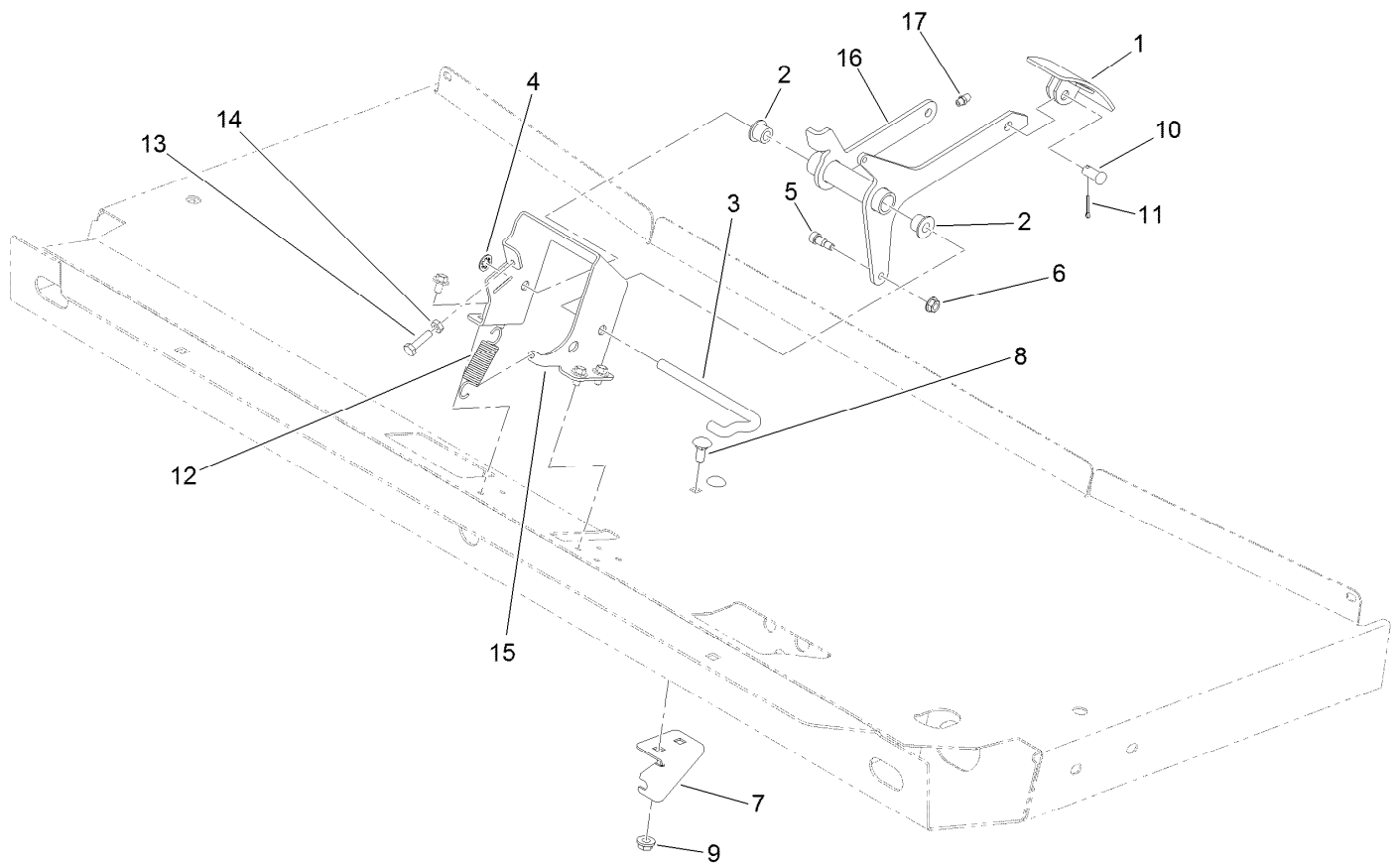
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 12   | 32128-33    | 2    | Nut-HF              |
| 13   | 95-1653     | 1    | Switch-Pole, Single |
| 15   | 110-2554    | 1    | Rod End-Spherical   |
| 16   | 302-5       | 1    | Fitting-Grease      |
| 17   | 3256-21     | 4    | Washer-Flat         |
| 18   | 3269-25     | 4    | Rivet-Pop           |
| 19   | 105-0023    | 1    | Switch-Proximity    |
| 20   | 115-2284    | 1    | Cable-Clutch        |
| 21   | 3296-13     | 1    | Nut-Lock, NI        |
| 22   | 46-6811     | 4    | Screw-HWH           |
| 23   | 302-60      | 1    | Fitting-Grease      |



## Master Cylinder Assembly No. 104-6782

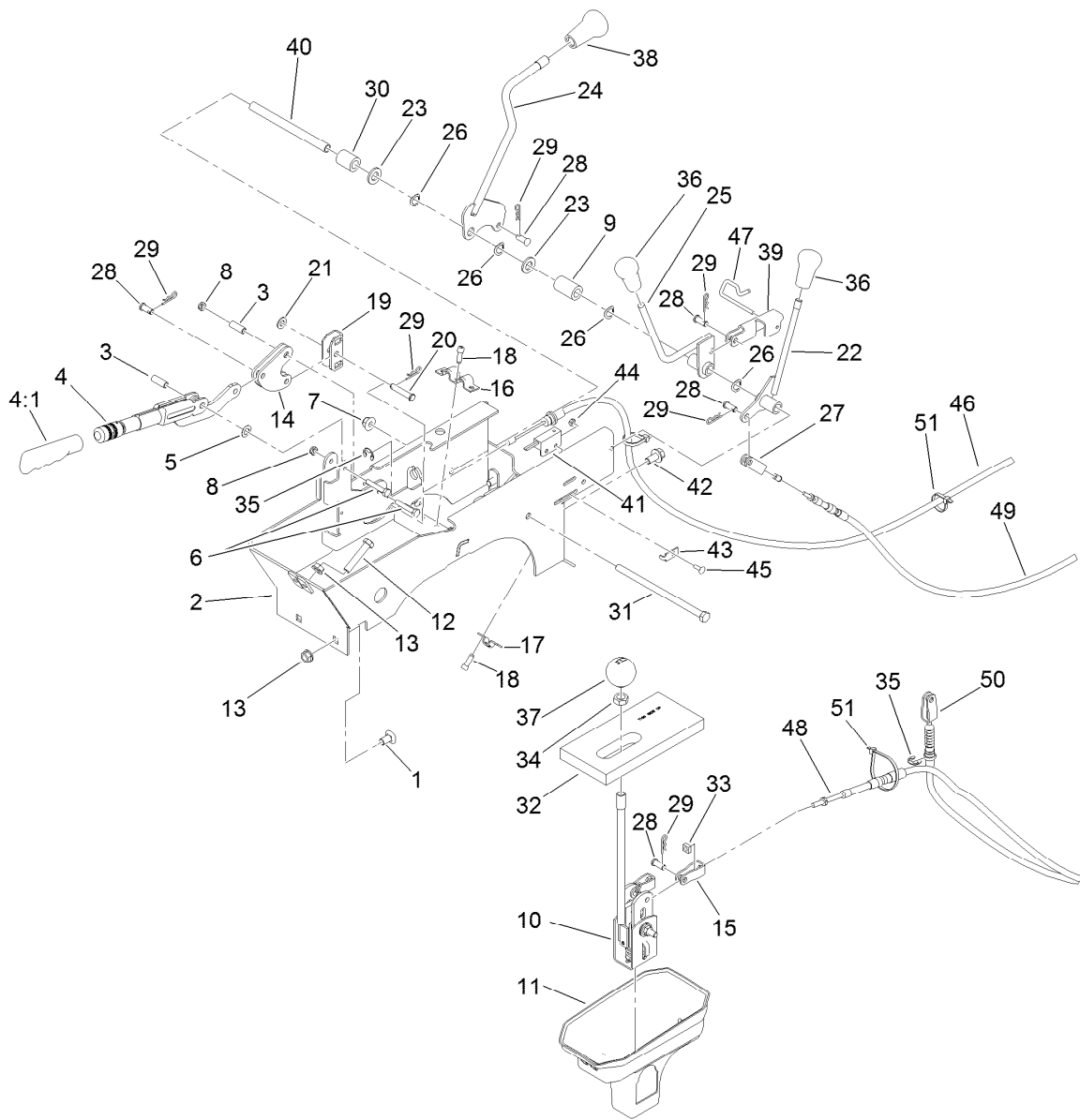
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 104-6845    | 1    | Reservoir ASM        |
| 1:1  | 92-4112     | 1    | Cap ASM              |
| 2    | 93-8971     | 2    | Seal-Port, Flange    |
| 3    | 92-4103     | 1    | Pin-Stop             |
| 4    | 92-4102     | 1    | Secondary Piston ASM |
| 5    | 92-4110     | 1    | Clevis               |
| 6    | 21-0360     | 1    | Nut-Hex              |
| 7    | 94-5209     | 1    | Cover-Dust           |
| 8    | 94-5210     | 1    | Rod-Push             |
| 9    | 92-4109     | 1    | Ring-Snap            |
| 10   | 92-4108     | 1    | Retainer-Washer      |
| 11   | 92-4101     | 1    | Primary Piston ASM   |





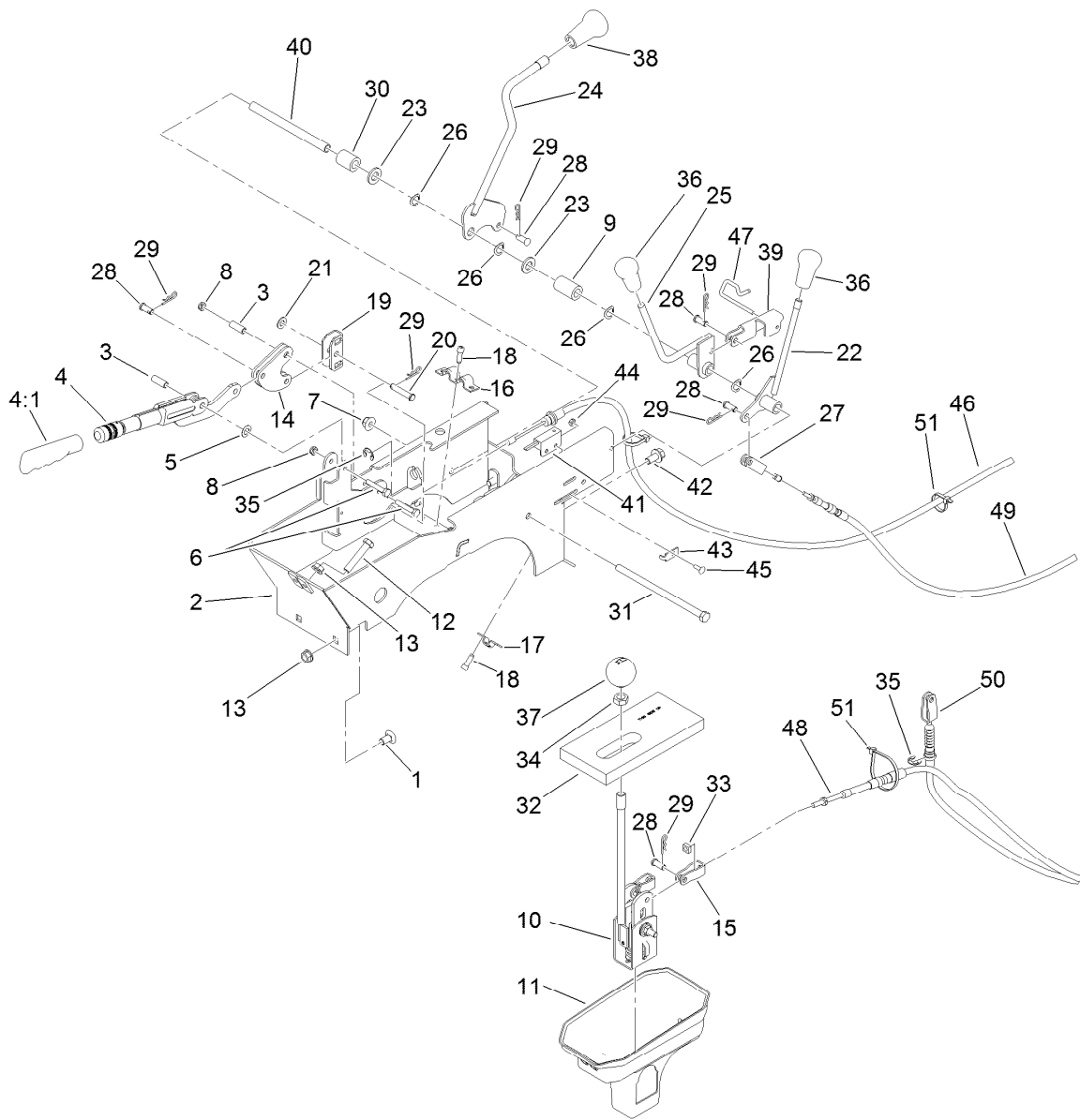
## Accelerator Pedal Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|----------------------|
| 1           | 93-8969-03         | 1           | Pedal                    | 10          | 283-85             | 1           | Pin-Clevis           |
| 2           | 256-259            | 2           | Bushing-Flange           | 11          | 3272-6             | 1           | Pin-Cotter           |
| 3           | 87-2880            | 1           | Shaft-Pedal, Accelerator | 12          | 67-1450            | 1           | Spring-Idler         |
| 4           | 32151-56           | 1           | Ring-Retaining, External | 13          | 321-6              | 1           | Screw-HH             |
| 5           | 119-4881           | 1           | Bolt-Shoulder            | 14          | 3218-1             | 1           | Nut-Jam              |
| 6           | 32128-33           | 1           | Nut-HF                   | 15          | 127-8625-03        | 1           | Bracket-Mount, Pedal |
| 7           | 120-4982           | 1           | Bracket-Mount, Cable     | 16          | 120-4983-03        | 1           | Pedal-Accelerator    |
| 8           | 3230-1             | 2           | Bolt-CARR                | 17          | 302-5              | 1           | Fitting-Grease       |
| 9           | 32128-20           | 2           | Nut-HF                   |             |                    |             |                      |



## Console Assembly

| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|------|-------------|------|--------------------------|
| 1    | 3231-21     | 2    | Screw-CARR               | 21   | 3256-23     | 1    | Washer-Plain             |
| 2    | 108-6914-03 | 1    | Support-Lever            | 22   | 106-7828    | 1    | Lever                    |
| 3    | 114402      | 2    | Spacer                   | 23   | 33096-00    | 2    | Washer-Flat              |
| 4    | 127-8863    | 1    | Lever-Brake, Park        | 24   | 131-3479    | 1    | Lever-Lock, Differential |
| 4:1  | 127-8864    | 1    | Grip-Handle              | 25   | 106-7960    | 1    | Lever-HYD                |
| 5    | 3290-477    | 1    | Washer-Curved            | 26   | 3290-221    | 4    | Washer-Spring            |
| 6    | 321-37      | 2    | Screw-HH                 | 27   | 87-7160     | 1    | Clevis-Cable             |
| 7    | 104-8301    | 1    | Nut-HF, NI               | 28   | 283-62      | 6    | Pin-Clevis               |
| 8    | 3296-56     | 2    | Nut-Lock, NI             | 29   | 3290-307    | 7    | Pin-Cotter               |
| 9    | 120-5037    | 1    | Spacer                   | 30   | 66-6501     | 1    | Spacer-Wheel             |
| 10   | 106-7887    | 1    | Shift ASM                | 31   | 323-36      | 1    | Screw-HH                 |
| 11   | 106-2376    | 1    | Boot-Shift, Lower        | 32   | 87-6570     | 1    | Seal-Boot, Lower         |
| 12   | 323-10      | 2    | Screw-HH                 | 33   | 140-4804    | 2    | Nut-Square               |
| 13   | 3290-357    | 4    | Nut-HHF, Whiz            | 34   | 3218-18     | 1    | Nut-Jam                  |
| 14   | 106-7814    | 2    | Bellcrank                | 35   | 32120-47    | 3    | Ring-Retaining, External |
| 15   | 87-2310     | 2    | Clevis-Cable             | 36   | 106-7903    | 2    | Knob-Control             |
| 16   | 87-4960     | 1    | Clamp-Cable              | 37   | 87-6720     | 1    | Knob-Shift               |
| 17   | 87-4340     | 1    | Clamp-Cable              | 38   | 106-7952    | 1    | Knob                     |
| 18   | 65-5221     | 5    | Screw-Hshtf              | 39   | 115-2250    | 1    | Link                     |
| 19   | 87-3480     | 1    | Bracket-Equalizer, Cable | 40   | 106-7833    | 1    | Spacer                   |
| 20   | 94-3829     | 1    | Pin-Clevis               | 41   | 100-1270    | 1    | Switch-Proximity         |



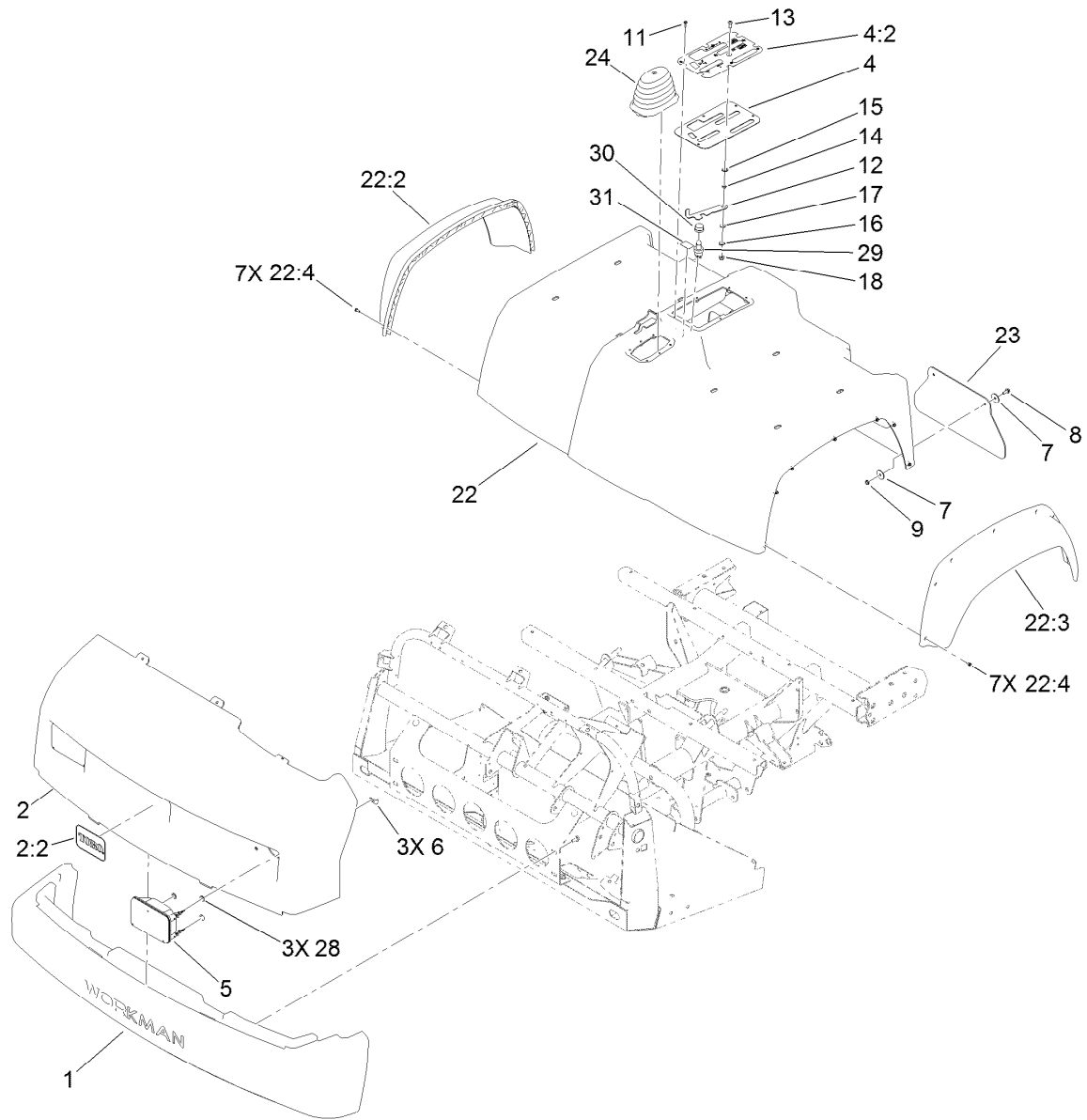
## Console Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|--------------------------|
| 42          | 3234-12            | 2           | Screw-HHF             | 47          | 115-2350           | 1           | Pin-Retainer             |
| 43          | 100-4872           | 1           | Plate-Switch, Neutral | 48          | 115-7811           | 2           | Cable-Selector, Gear     |
| 44          | 3296-2             | 1           | Nut-Lock, NI          | 49          | 115-7812           | 1           | Cable-Hi Low             |
| 45          | 3229-34            | 1           | Screw-CARR            | 50          | 115-2287           | 1           | Cable-Lock, Differential |
| 46          | 115-2283           | 2           | Cable-Brake, Park     | 51          | 3290-379           | 5           | Tie-Cable                |



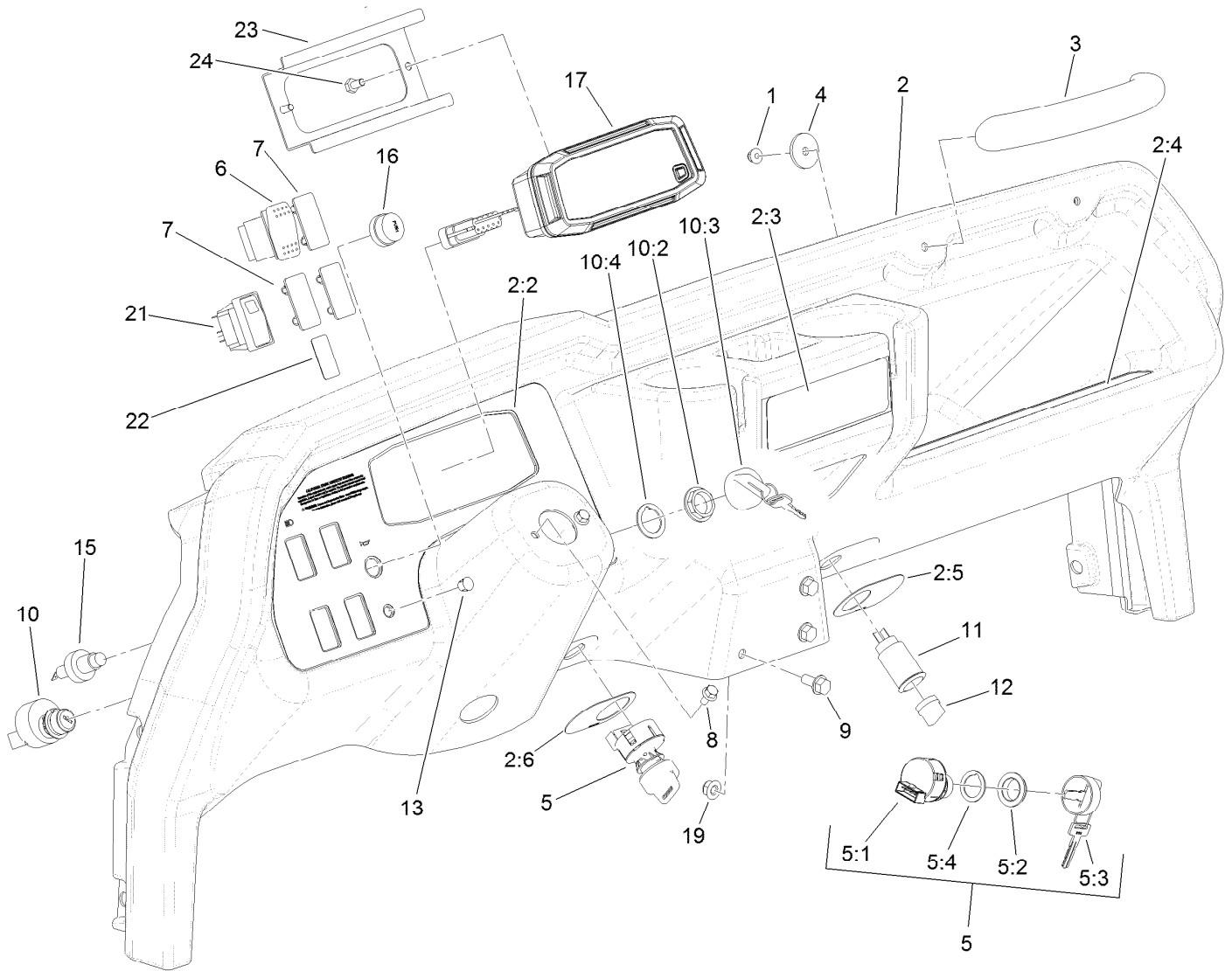
## Shift Assembly No. 106-7887

| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b> |
|-------------|--------------------|-------------|--------------------|
| 1           | 131-3469           | 1           | Lever-Shift        |
| 2           | 87-3650            | 1           | Pin-Shift          |
| 3           | 87-3540            | 2           | Link-Shift         |
| 4           | 87-2520            | 1           | Tube-Pivot         |
| 5           | 87-2900            | 1           | Spring-Compression |
| 6           | 87-8640            | 1           | Washer-Flat        |
| 7           | 322-12             | 1           | Screw-HH           |
| 8           | 87-3530            | 1           | Button-Shifter     |
| 9           | 87-3660            | 1           | Spring-Compression |
| 10          | 3290-507           | 1           | Pin-Dowel          |
| 11          | 87-3520            | 1           | Clevis             |
| 12          | 32121-48           | 1           | Pin-Spring         |
| 13          | 87-6040            | 1           | Bracket-Shifter    |
| 14          | 3290-456           | 2           | Washer-Belleville  |
| 15          | 104-8300           | 1           | Nut-HF, NI         |



## Bumper, Hood and Seat Base Assembly

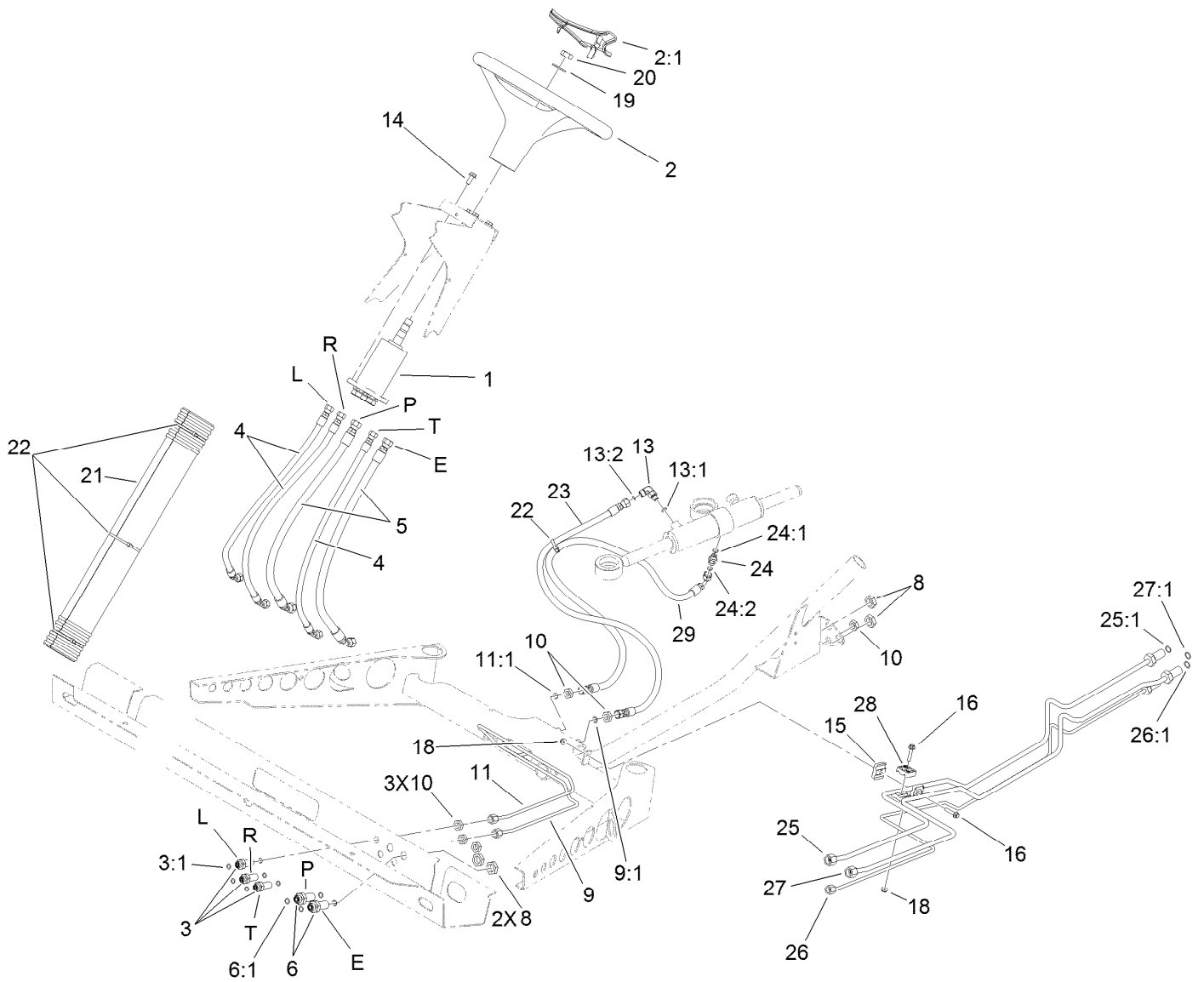
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           | 112-3185           | 1           | Bumper             | 15          | 94-8196            | 1           | Washer-Nylon       |
| 2           | 139-3382           | 1           | Hood ASM           | 16          | 3290-221           | 1           | Washer-Spring      |
| 2:2         | 117-4950           | 1           | Decal              | 17          | 3256-23            | 1           | Washer-Plain       |
| 4           | 106-7886           | 1           | Control Plate ASM  | 18          | 104-8300           | 1           | Nut-HF, NI         |
| 4:2         | 106-2377           | 1           | Decal-Console      | 22          | 133-0566           | 1           | Seatbase ASM       |
| 5           | 138-9260           | 2           | Headlight ASM      | 22:2        | 114-8407           | 1           | Fender-Front, RH   |
| 6           | 114-8341           | 6           | Clip-Speed         | 22:3        | 114-8408           | 1           | Fender-Front, LH   |
| 7           | 3256-55            | 8           | Washer-Flat        | 22:4        | 117-5036           | 14          | Screw-Plastic, HWH |
| 8           | 3234-4             | 4           | Screw-HHF          | 23          | 106-2378           | 2           | Mudflap            |
| 9           | 104-7201           | 4           | Nut-Flange, NI     | 24          | 117-8063           | 1           | Boot-Shift         |
| 11          | 98-1375            | 6           | Screw-HWH          | 28          | 112-6957           | 6           | Washer-Hardened    |
| 12          | 106-7984           | 1           | Lever-Detent       | 29          | 112-3324           | 1           | Switch-Horn        |
| 13          | 3274-55            | 1           | Screw-HSBH         | 30          | 112-3313           | 1           | Nut-Weatherproof   |
| 14          | 82-4240            | 1           | Spacer-Bearing     | 31          | 137-9896           | 1           | Decal-4X4 Enable   |



## Dash Assembly

| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description         |
|------|-------------|------|----------------------------|------|-------------|------|---------------------|
| 1    | 104-7201    | 2    | Nut-Flange, NI             | 9    | 3234-5      | 3    | Screw-HHF           |
| 2    | 140-4610    | 1    | Dash ASM                   | 10   | 106-5269    | 1    | Ignition Switch ASM |
| 2:2  | 140-4604    | 1    | Decal-Control Panel, HD    | 10:2 | 108-8660    | 1    | Nut-Mounting        |
| 2:3  | 121-9776    | 1    | Decal-Danger, Vehicle (CE) | 10:3 | 106-5270    | 1    | Ignition Key Set    |
| 2:4  | 115-2282    | 1    | Decal-Warning, Dash        | 10:4 | 108-8659    | 1    | Washer-Backup       |
| 2:5  | 106-2353    | 1    | Decal-Powerpoint           | 11   | 99-7411     | 1    | Point-Power         |
| 2:6  | 106-2355    | 1    | Decal-Switch, Supervisor   | 12   | 99-7416     | 1    | Cap                 |
| 3    | 117-4948    | 1    | Handle-Grab                | 13   | 104-9368    | 1    | Plug-Dome           |
| 4    | 103995      | 2    | Washer                     | 15   | 112-3324    | 1    | Switch-Horn         |
| 5    | 110-2580    | 1    | Switch-Key, Supervisor     | 16   | 112-3313    | 1    | Nut-Weatherproof    |
| 5:1  |             | 1    | Switch-Key ●               | 17   | 139-4527    | 1    | Cluster-Instrument  |
| 5:2  | 108-8660    | 1    | Nut-Mounting               | 19   | 104-8300    | 3    | Nut-HF, NI          |
| 5:3  | 110-5221    | 1    | Set-Key, Supervisor        | 21   | 104-9007    | 1    | Switch-Rocker       |
| 5:4  | 108-8659    | 1    | Washer-Backup              | 22   | 137-9895    | 1    | Decal-4Wd Auto      |
| 6    | 95-8999     | 1    | Switch                     | 23   | 140-4556-0P | 1    | Retainer-Display    |
| 7    | 99-7420     | 3    | Plug-Hole                  | 24   | 321-2       | 2    | Screw-HH            |
| 8    | 33103-012   | 2    | Screw-HHF                  |      |             |      |                     |

● Not serviced separately



## Steering Hydraulic Assembly

| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description           |
|------|-------------|------|----------------------------|------|-------------|------|-----------------------|
| 1    | 120-4813    | 1    | Pump-Steering              | 15   | 106-7839    | 2    | Clamp-Tube            |
| 2    | 98-1471     | 1    | Wheel-Steering             | 16   | 3234-21     | 2    | Screw-HHF             |
| 2:1  | 98-1468     | 1    | Cover-Wheel, Steering      | 18   | 104-7201    | 2    | Nut-Flange, NI        |
| 3    | 94-1444     | 3    | Union-Bulkhead             | 19   | 3256-27     | 1    | Washer-Flat           |
| 3:1  | 237-21      | 2    | O-Ring                     | 20   | 3296-33     | 1    | Nut-Lock, NI          |
| 4    | 106-7974    | 3    | Hose-HYD                   | 21   | 106-6713    | 1    | Cover-Lines, Steering |
| 5    | 106-7975    | 2    | Hose-HYD                   | 22   | 3290-379    | 4    | Tie-Cable             |
| 6    | 340-71      | 2    | Fitting-Straight, Bulkhead | 23   | 108-6505    | 1    | Hose-HYD              |
| 6:1  | 237-22      | 2    | O-Ring                     | 24   | 340-92      | 1    | Fitting-Straight      |
| 8    | 340-70      | 4    | Nut-Lock                   | 24:1 | 237-78      | 1    | O-Ring                |
| 9    | 106-7804    | 1    | Tube-HYD                   | 24:2 | 237-21      | 1    | O-Ring                |
| 9:1  | 237-21      | 1    | O-Ring                     | 25   | 115-7701    | 1    | Tube-HYD              |
| 10   | 3219-10     | 6    | Nut-Hex                    | 25:1 | 237-22      | 1    | O-Ring                |
| 11   | 106-7806    | 1    | Tube-HYD                   | 26   | 115-7702    | 1    | Tube-HYD              |
| 11:1 | 237-21      | 1    | O-Ring                     | 26:1 | 237-22      | 1    | O-Ring                |
| 13   | 340-132     | 1    | Fitting-Elbow, 90 DEG      | 27   | 115-7703    | 1    | Tube-HYD              |
| 13:1 | 237-78      | 1    | O-Ring                     | 27:1 | 237-21      | 1    | O-Ring                |
| 13:2 | 237-21      | 1    | O-Ring                     | 28   | 56-7973     | 2    | Clamp-Tube            |
| 14   | 98-7977     | 4    | Screw-HHF                  | 29   | 117-4861    | 1    | Hose-HYD              |

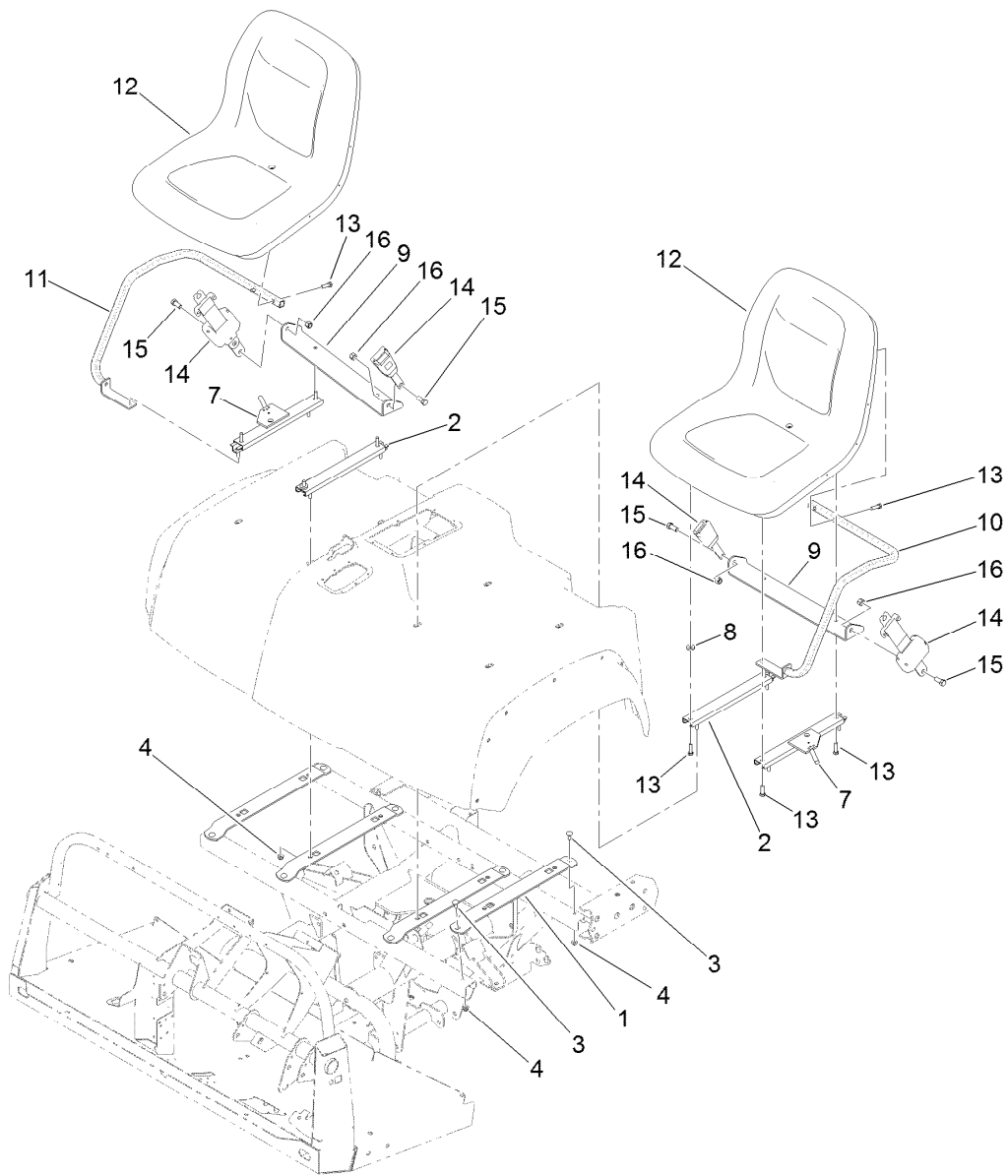


## Steering Valve Assembly No. 120-4813

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

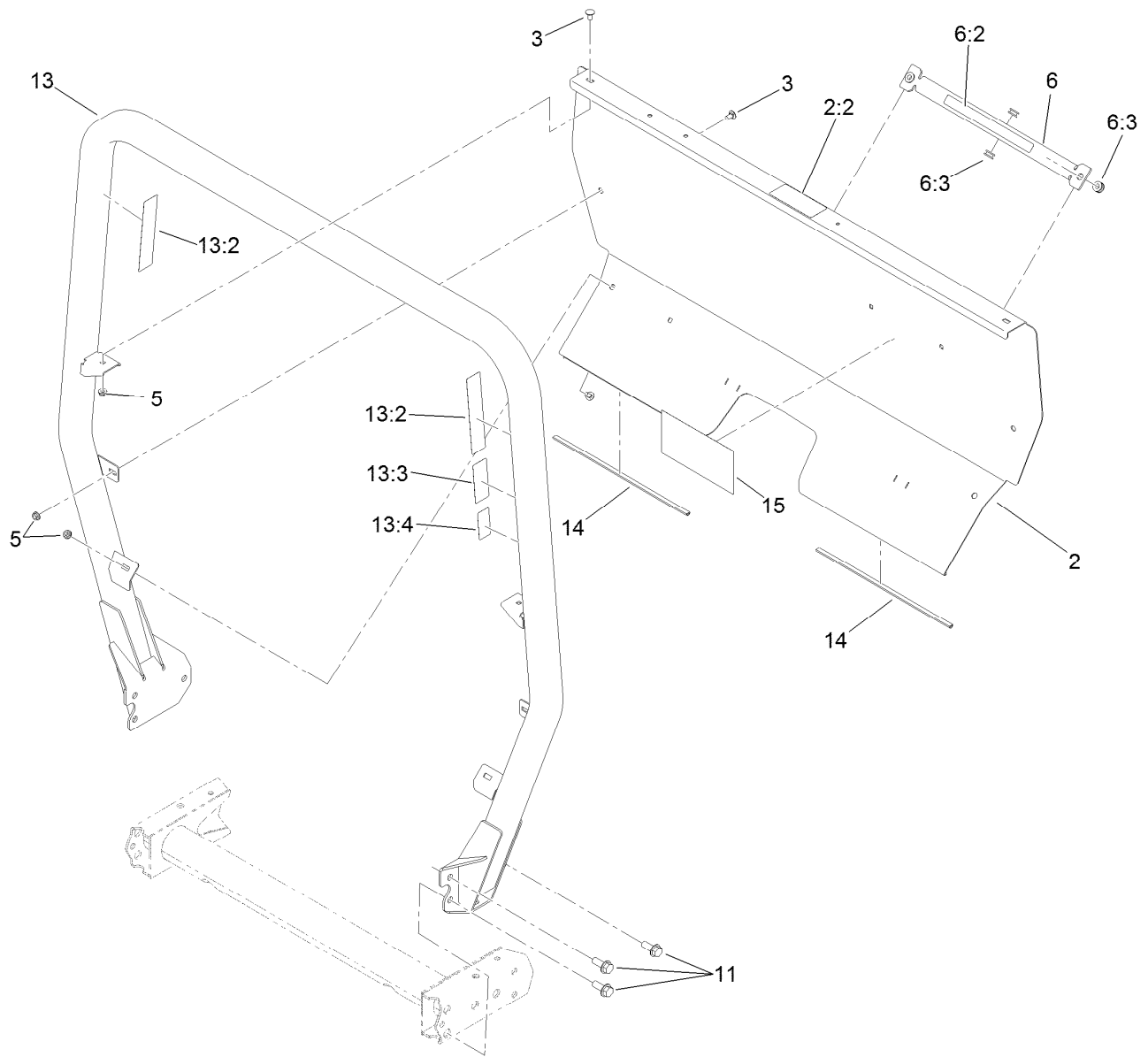
● Not serviced separately





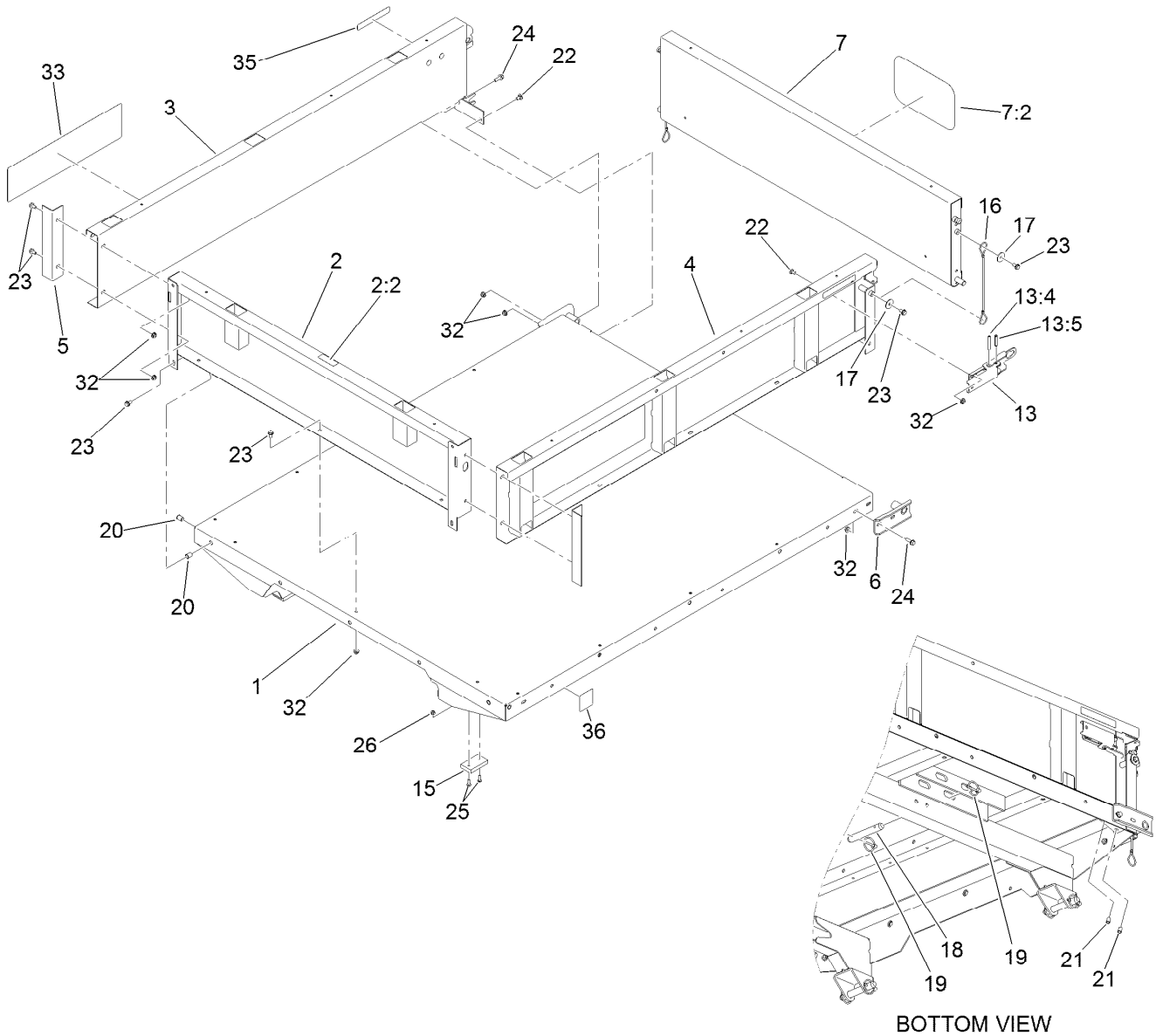
## Seat Assembly

| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>         |
|-------------|--------------------|-------------|----------------------------|
| 1           | 115-2435-0P        | 4           | Bracket-Seat               |
| 2           | 92-8990            | 2           | Adjuster-Seat, Non-Locking |
| 3           | 3230-1             | 8           | Bolt-CARR                  |
| 4           | 104-8300           | 16          | Nut-HF, NI                 |
| 7           | 92-8991            | 2           | Adjuster (W/Latch)         |
| 8           | 104-7658           | 2           | Spacer                     |
| 9           | 119-0727-03        | 2           | Bracket-Belt, Seat         |
| 10          | 119-0731-03        | 1           | Armrest-LH                 |
| 11          | 119-0732-03        | 1           | Armrest-RH                 |
| 12          | 133-0577           | 2           | Seat ASM                   |
| 13          | 33114-030          | 12          | Screw-HH                   |
| 14          | 110-0413           | 2           | Seatbelt-Retractable       |
| 15          | 3212-4             | 4           | Screw-HH                   |
| 16          | 3296-7             | 4           | Nut-Lock                   |



## Roll-Over Protection System Assembly

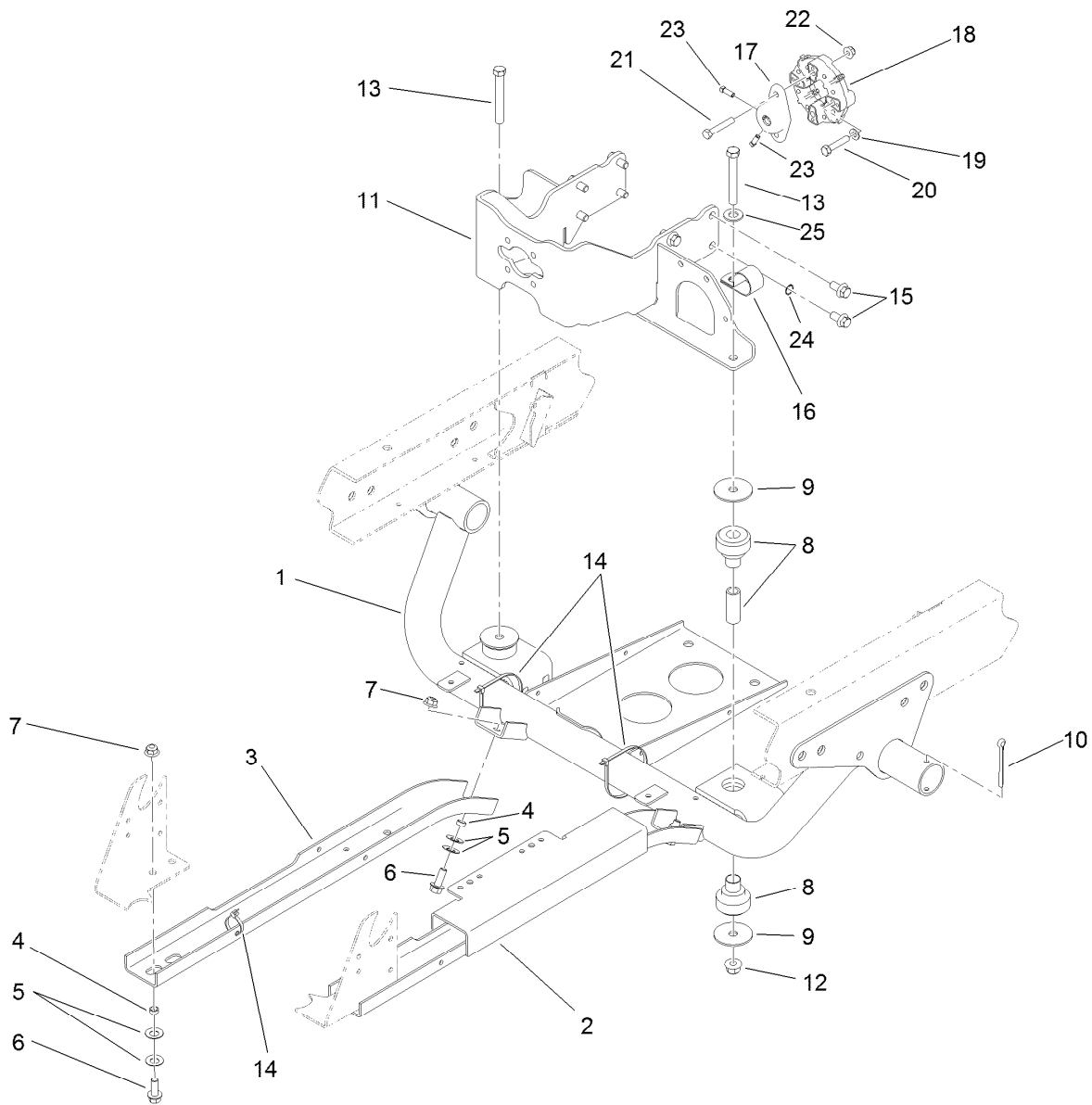
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 2           | 115-2213           | 1           | ROPS Cover ASM         |
| 2:2         | 105-4215           | 1           | Decal-Caution          |
| 3           | 3230-18            | 6           | Screw-CARR             |
| 5           | 32128-20           | 6           | Nut-HF                 |
| 6           | 105-7960           | 1           | Bed Support ASM        |
| 6:2         | 93-9852            | 1           | Decal-Warning          |
| 6:3         | 92-5972            | 4           | Grommet-Rubber         |
| 11          | 3234-38            | 6           | Screw-HHF              |
| 13          | 115-7910           | 1           | ROPS ASM               |
| 13:2        | 106-7767           | 2           | Decal-ROPS             |
| 13:3        | 93-9850            | 1           | Decal-ROPS, CE         |
| 13:4        | 117-4969           | 1           | Decal-ROPS, ISO        |
| 14          | 127-7382           | 2           | Seal-ROPS              |
| 15          | 115-7814           | 1           | Decal-Reference, Quick |



## Full Bed and Side Panel Assembly

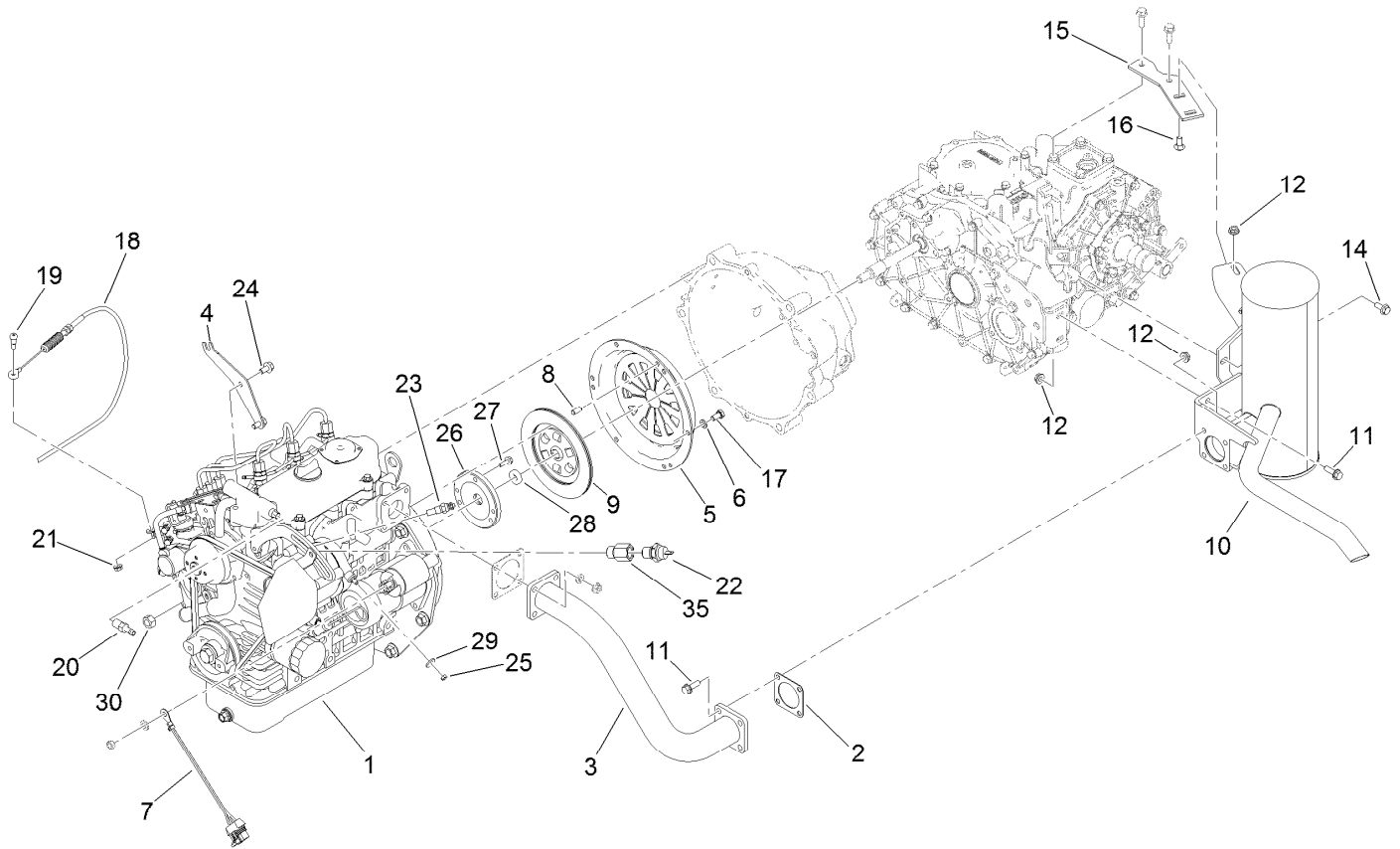
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 138-5675    | 1    | Flatbed ASM     |
| 2    | 133-0645    | 1    | Front Panel ASM |
| 2:2  | 115-7739    | 1    | Decal-No Riders |
| 3    | 133-0617    | 1    | Panel-Side, RH  |
| 4    | 133-0616    | 1    | Panel-Side, LH  |
| 5    | 92-1320-03  | 2    | Angle-Side      |
| 6    | 92-1265-03  | 2    | Bracket-Pivot   |
| 7    | 133-0644    | 1    | Tailgate        |
| 7:2  | 105-4222    | 1    | Decal           |
| 13   | 140-4795    | 2    | Latch ASM       |
| 13:4 | 32121-78    | 1    | Pin-Roll        |
| 13:5 | 32121-25    | 1    | Pin-Roll        |
| 15   | 93-9719     | 2    | Block-Wear      |
| 16   | 93-9595     | 2    | Lanyard         |

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 17   | 3256-57     | 4    | Washer-Flat   |
| 18   | 92-1233     | 4    | Pin-Clevis    |
| 19   | 92-1298     | 8    | Pin-Lynch     |
| 20   | 32148-7     | 4    | Nut-Clinch    |
| 21   | 32148-6     | 4    | Nut-Clinch    |
| 22   | 3230-18     | 6    | Screw-CARR    |
| 23   | 3234-7      | 21   | Screw-HHF     |
| 24   | 3234-29     | 6    | Screw-HHF     |
| 25   | 3250-45     | 4    | Screw-SPH     |
| 26   | 3296-42     | 4    | Nut-Lock, NI  |
| 32   | 32128-20    | 27   | Nut-HF        |
| 33   | 115-7917    | 2    | Decal         |
| 35   | 93-9868     | 2    | Decal-Caution |
| 36   | 93-9899     | 2    | Decal-Warning |



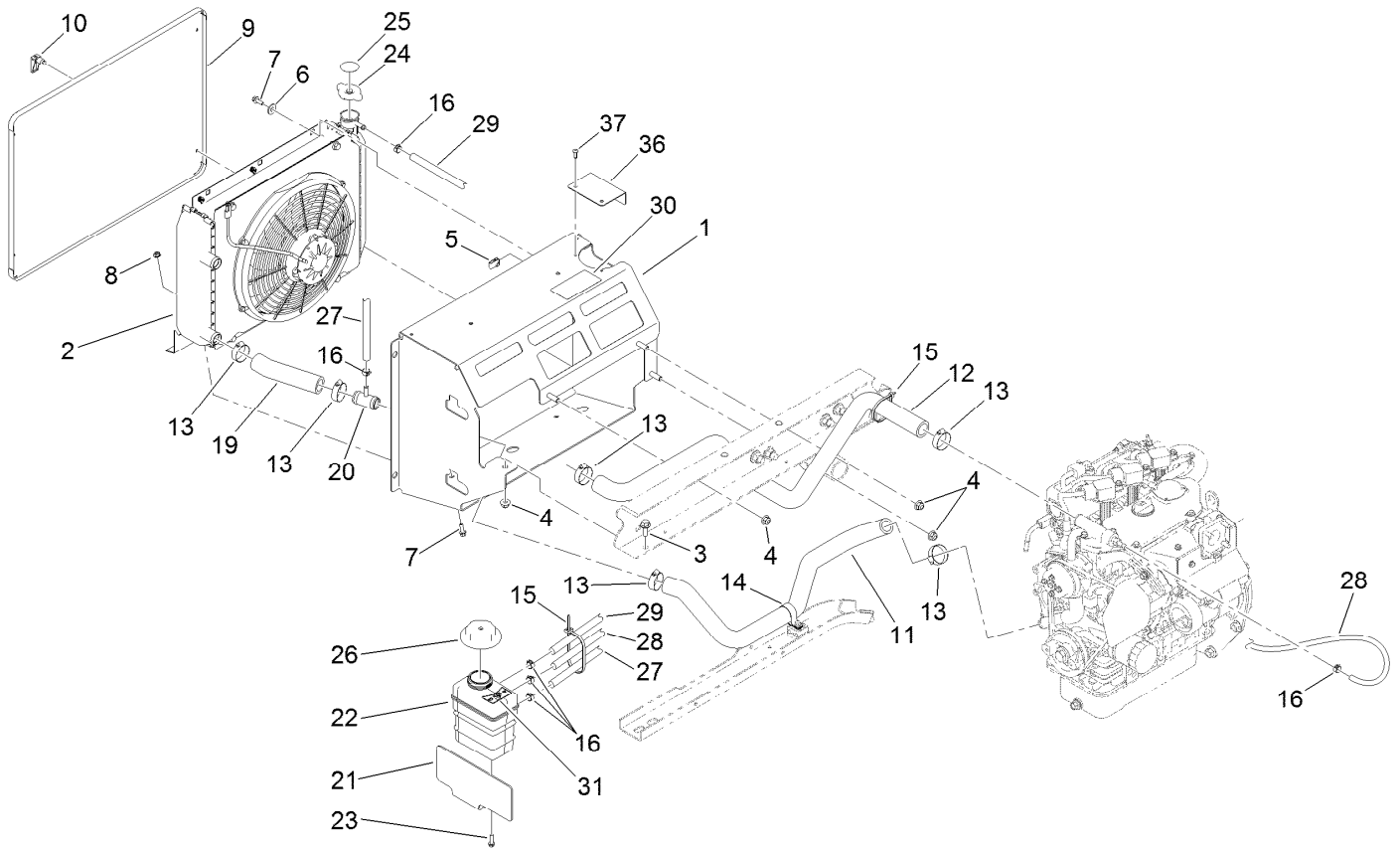
## Engine Sub Frame Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 119-9679-03        | 1           | Support-Engine                    | 13          | 324-13             | 2           | Screw-HH           |
| 2           | 115-2215-03        | 1           | Guard-LH                          | 14          | 3290-379           | 4           | Tie-Cable          |
| 3           | 87-4730-03         | 1           | Guard-Belly                       | 15          | 120-4839           | 8           | Screw-HHF          |
| 4           | 76-9100            | 6           | Spacer                            | 16          | 2412-82            | 1           | Clamp-R            |
| 5           | 3290-413           | 12          | Washer-Belleville                 | 17          | 115-2169           | 1           | Hub-Pump           |
| 6           | 3234-11            | 6           | Screw-HHF                         | 18          | 119-0652           | 1           | Coupler-Rubber     |
| 7           | 104-8301           | 6           | Nut-HF, NI                        | 19          | 3256-23            | 2           | Washer-Plain       |
| 8           | 106-7865           | 2           | Mount-Engine                      | 20          | 33114-040          | 2           | Screw-HH           |
| 9           | 87-5100            | 4           | Washer-Snubbing                   | 21          | 322-21             | 2           | Screw-HH           |
| 10          | 3272-37            | 2           | Pin-Cotter                        | 22          | 104-8300           | 2           | Nut-HF, NI         |
| 11          | 121-6259-0P        | 1           | Engine Pump Mount ASM<br>[primed] | 23          | 3241-6             | 2           | Screw-SQH          |
| 12          | 114-8417           | 2           | Nut-HF, NI                        | 24          | 3254-20            | 1           | Washer-Lock, Int   |
|             |                    |             |                                   | 25          | 3256-26            | 1           | Washer-Flat        |



## Engine Assembly

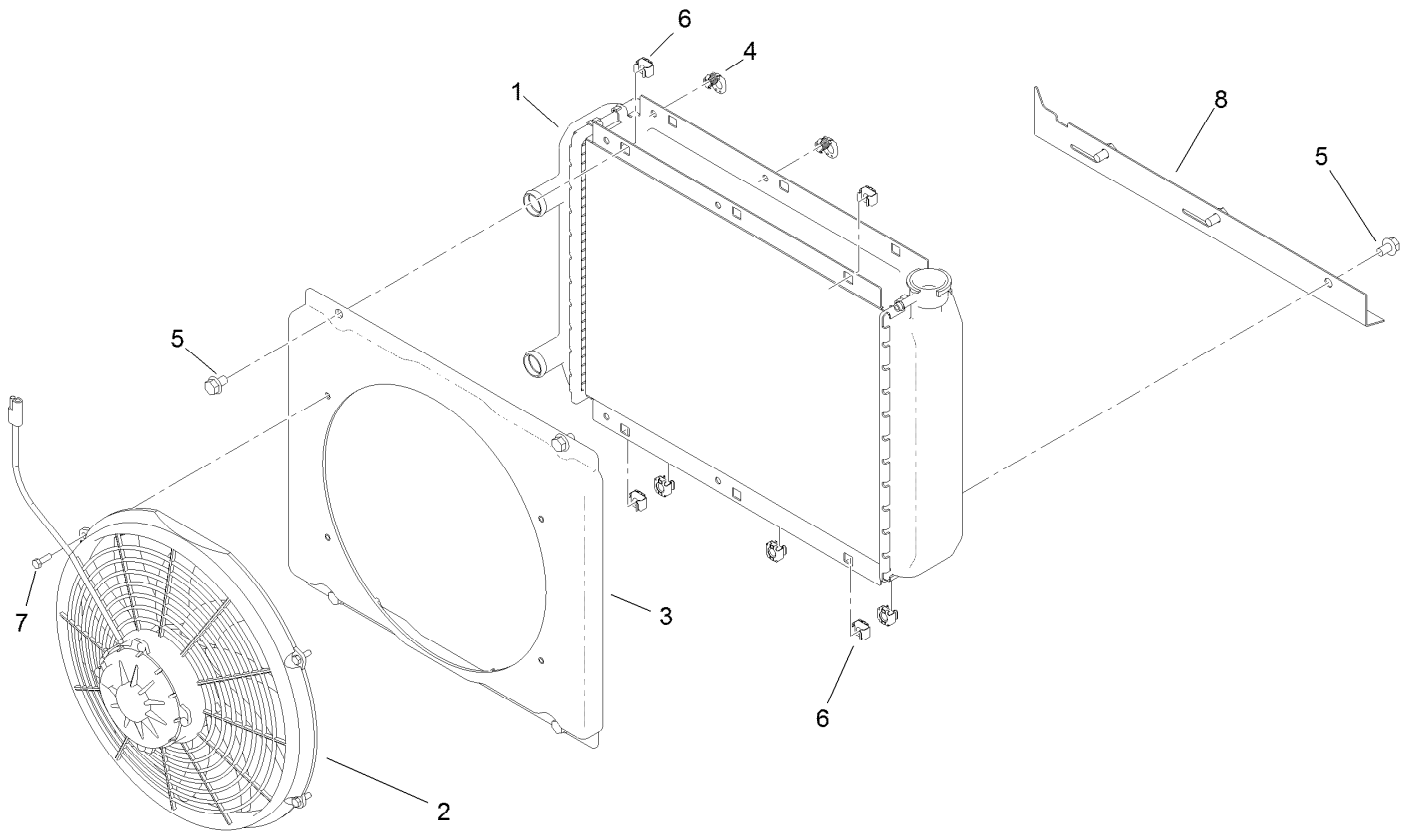
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 138-6904           | 1           | Engine-Kubota, D902        | 17          | 33114-016          | 6           | Screw-HH                  |
| 2           | 105-4209           | 1           | Gasket-Muffler             | 18          | 120-4980           | 1           | Cable-Throttle            |
| 3           | 119-0860           | 1           | Tube-Exhaust               | 19          | 119-4881           | 1           | Bolt-Shoulder             |
| 4           | 120-4981-0P        | 1           | Mount-Throttle Cable       | 20          | 115-1448           | 1           | Fitting-Straight          |
| 5           | 87-4690            | 1           | Cover-Clutch               | 21          | 32128-33           | 1           | Nut-HF                    |
| 6           | 3253-4             | 6           | Washer-Lock                | 22          | 117-4923           | 1           | Switch-Temperature, Water |
| 7           | 99-3441            | 1           | Harness-Wire, Fusible Link | 23          | 120-5075           | 1           | Sender-Temperature        |
| 8           | 42-7160            | 3           | Pin                        | 24          | 33104-016          | 2           | Screw-HHF                 |
| 9           | 87-4700            | 1           | Disc-Clutch                | 25          | 33013-00           | 1           | Nut-Hex                   |
| 10          | 133-0613           | 1           | Muffler                    | 26          | 120-5006           | 1           | Holder-Bearing, Pilot     |
| 11          | 3234-17            | 6           | Screw-HHF                  | 27          | 33103-020          | 3           | Screw-HHF                 |
| 12          | 32128-20           | 8           | Nut-HF                     | 28          | 115-6870           | 1           | Bearing-Ball, Sealed      |
| 14          | 98-7977            | 1           | Screw-HHF                  | 29          | 3256-2             | 1           | Washer-Flat               |
| 15          | 105-9472           | 1           | Plate-Mount, Muffler       | 30          | 110-8815           | 1           | Nut-Hex                   |
| 16          | 3230-2             | 2           | Bolt-CARR                  | 35          | 138-9273           | 1           | Adapter-Straight          |



## Cooling System Assembly

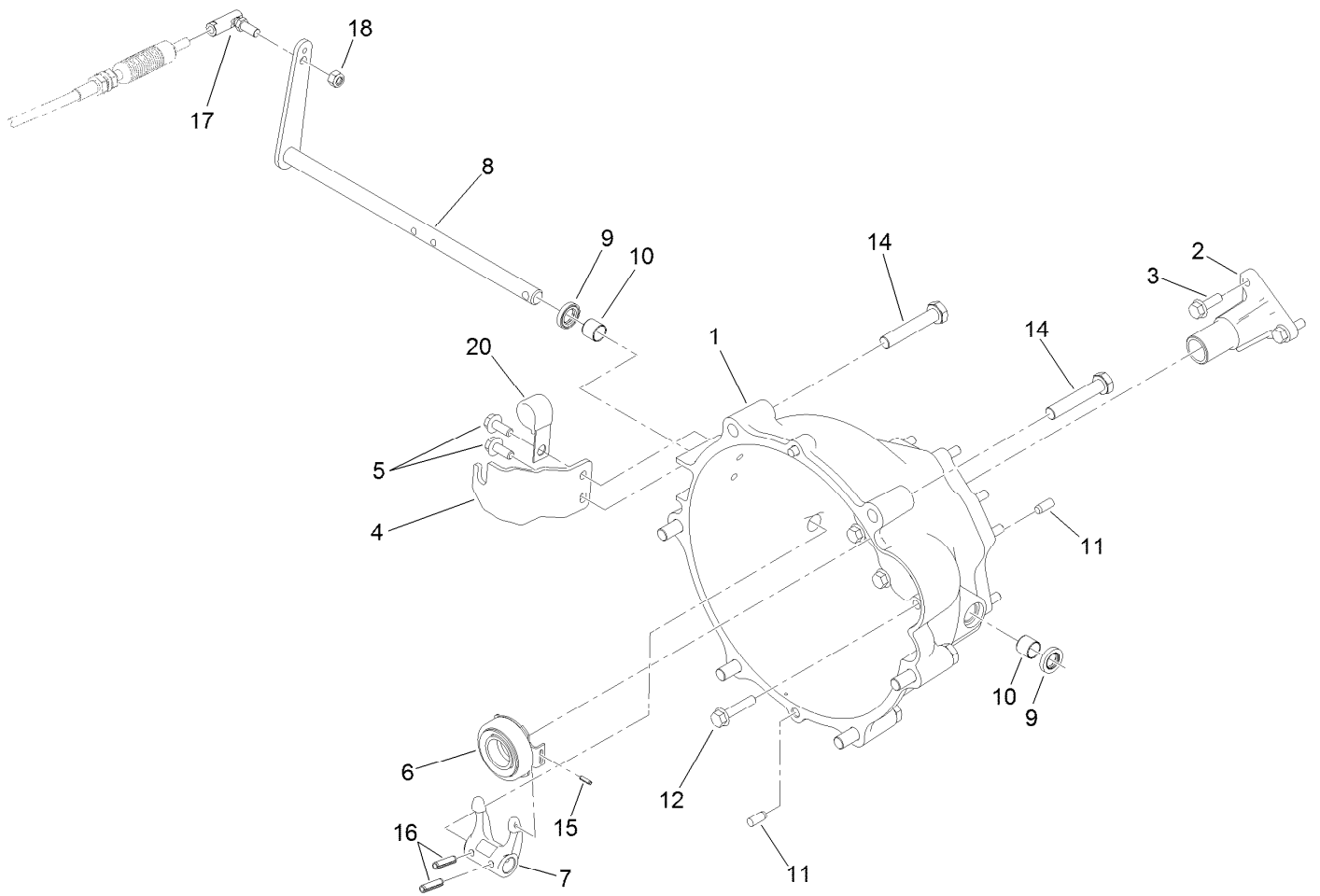
| Ref. | Part Number | Qty. | Description         | Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|---------------------|------|-------------|------|--------------------------------|
| 1    | 115-2434    | 1    | Mount-Radiator      | 19   | 120-4905    | 1    | Hose-Coolant, Lower            |
| 2    |             | 1    | Radiator ASM ●      | 20   | 120-4851    | 1    | Tee                            |
| 3    | 3234-11     | 1    | Screw-HHF           | 21   | 120-4906-0P | 1    | Plate-Mount, Tank              |
| 4    | 104-8301    | 4    | Nut-HF, NI          | 22   | 120-4856    | 1    | Tank-Surge                     |
| 5    | 107069      | 2    | Clip                | 23   | 46-8091     | 2    | Screw-HWH                      |
| 6    | 3256-3      | 2    | Washer-Flat         | 24   | 120-4866    | 1    | Cap-System, Cooling            |
| 7    | 3234-4      | 4    | Screw-HHF           | 25   | 106-6755    | 1    | Decal-Cap, Radiator            |
| 8    | 32128-33    | 2    | Nut-HF              | 26   | 120-4867    | 1    | Cap-Coolant, Threaded (15 PSI) |
| 9    | 115-2428-03 | 1    | Screen-Radiator     | 27   | 120-5019    | 1    | Hose-Coolant                   |
| 10   | 74-5950     | 4    | Latch-Swell         | 28   | 120-5020    | 1    | Hose-Coolant                   |
| 11   | 119-9487    | 1    | Hose-Coolant, Lower | 29   | 120-5021    | 1    | Hose-Coolant                   |
| 12   | 119-9486    | 1    | Hose-Coolant, Upper | 30   | 121-6286    | 1    | Decal-Fill, Radiator           |
| 13   | 2412-34     | 6    | Clamp-Hose          | 31   | 121-6287    | 1    | Decal-Tank, Overflow           |
| 14   | 2412-74     | 1    | R-Clamp             | 36   | 136-6288    | 1    | Cover-Cap, Radiator            |
| 15   | 3290-379    | 4    | Tie-Cable           | 37   | 63-8590     | 2    | Screw                          |
| 16   | 92-2379     | 6    | Clamp-Hose          |      |             |      |                                |

● Not serviced separately



## Radiator Assembly

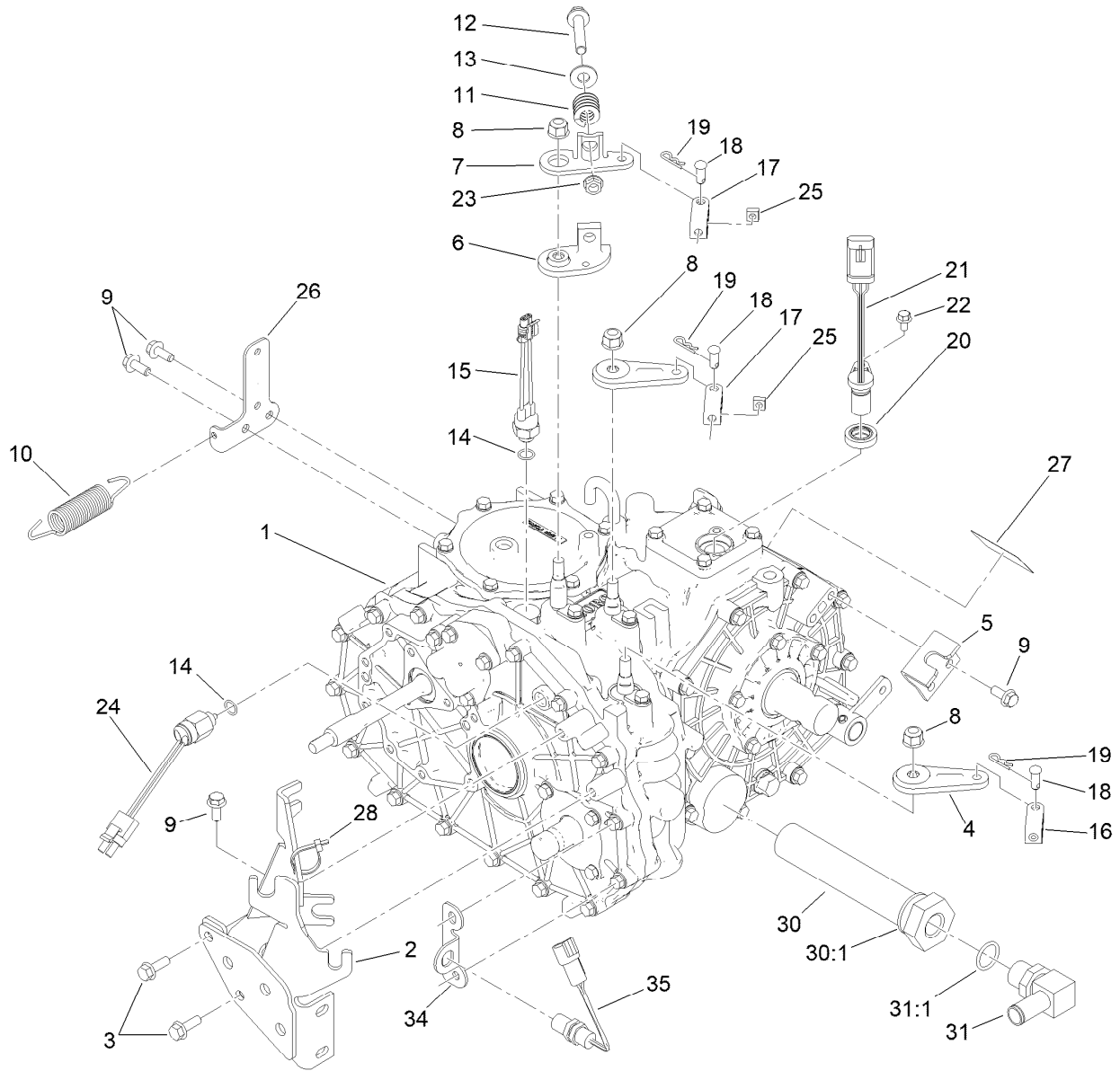
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 114-8384           | 1           | Radiator           |
| 2           | 114-8385           | 1           | Fan-Electric       |
| 3           | 114-8386           | 1           | Shroud             |
| 4           | 114-8387           | 2           | Latch-Spring       |
| 5           | 3234-30            | 7           | Screw-HHF          |
| 6           | 703856             | 7           | Nut-Sq, Caged      |
| 7           | 60-6910            | 4           | Screw-HH           |
| 8           | 115-7765           | 1           | Plate-Mount, Lower |



## Clutch Linkage Assembly

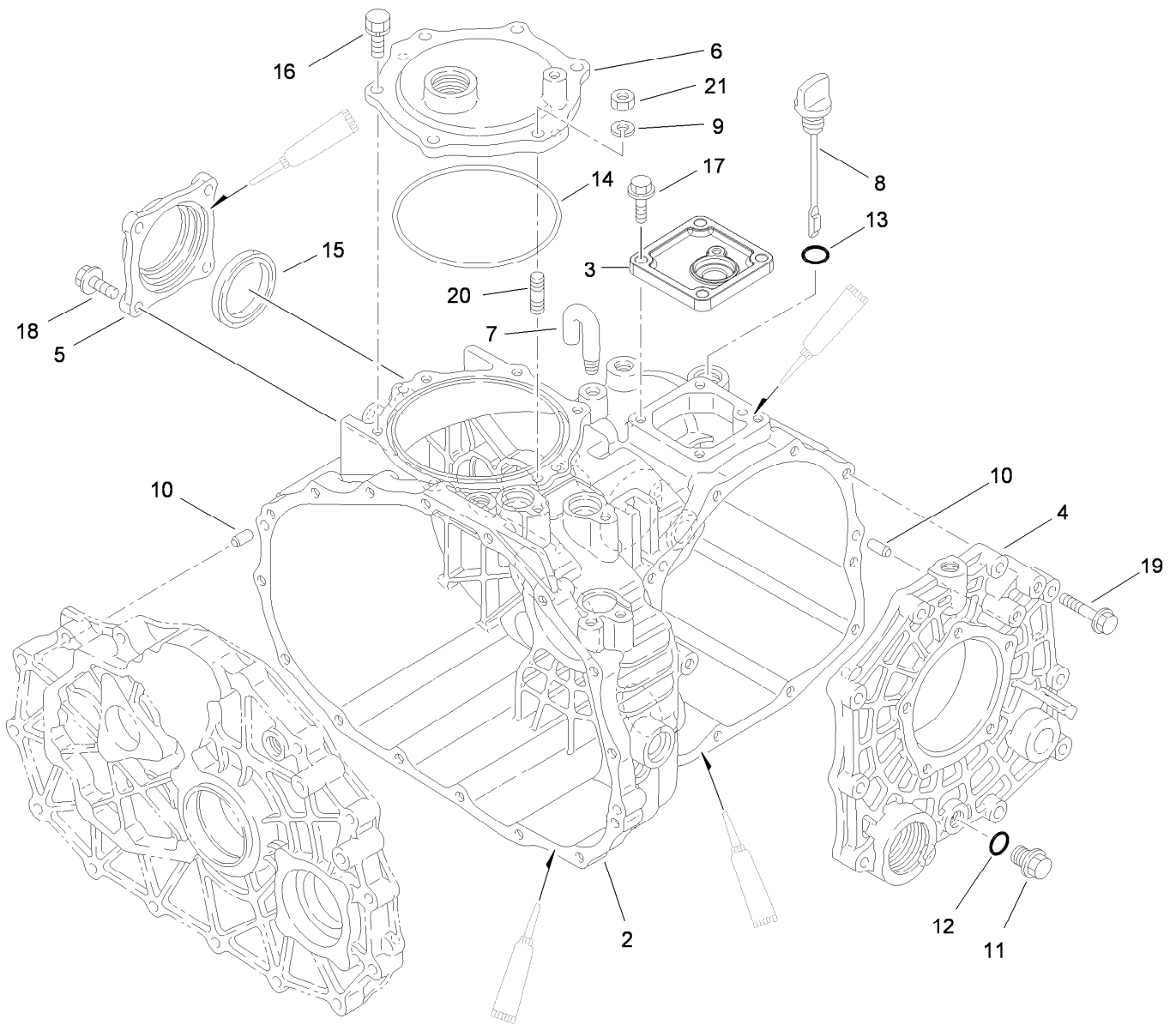
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|--------------------------|
| 1           | 119-9498           | 1           | Bell Housing            | 10          | 87-3770            | 2           | Bushing-Housing, Bell    |
| 2           | 120-4886           | 1           | Guide-Release           | 11          | 87-1910            | 4           | Pin-Dowel                |
| 3           | 33104-025          | 3           | Screw-HHF               | 12          | 33104-040          | 9           | Screw-HHF                |
| 4           | 115-2313           | 1           | Bracket-Cable, Clutch   | 14          | 107-7983           | 6           | Screw-HH                 |
| 5           | 98-7977            | 2           | Screw-HHF               | 15          | 32121-7            | 1           | Pin-Roll, Slotted        |
| 6           | 110-2538           | 1           | Bearing-Release, Clutch | 16          | 32121-24           | 2           | Pin-Spring               |
| 7           | 87-5300            | 1           | Fork-Clutch             | 17          | 2411-33            | 1           | Balljoint-RH (W/Grommet) |
| 8           | 115-2311           | 1           | Lever-Clutch            | 18          | 3296-4             | 1           | Nut-Lock                 |
| 9           | 87-1920            | 2           | Seal-Oil                | 20          | 120-5018           | 1           | Clip-Open J, Coated      |





## Transaxle Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 115-2175           | 1           | 4 Wheel Drive Transaxle ASM | 18          | 283-62             | 3           | Pin-Clevis              |
| 2           | 105-4207-0P        | 1           | Cable Mount ASM,Welded      | 19          | 3290-307           | 3           | Pin-Cotter              |
| 3           | 33104-025          | 2           | Screw-HHF                   | 20          | 92-3735            | 1           | Seal-Sensor, Oil        |
| 4           | 132-6764           | 2           | Lever-Shift                 | 21          | 120-4800           | 1           | Sensor-Gear tooth       |
| 5           | 87-4470            | 1           | Bracket-Lock, Differential  | 22          | 33103-012          | 1           | Screw-HHF               |
| 6           | 87-7970            | 1           | Arm-Shift                   | 23          | 3290-357           | 1           | Nut-HHF, Whiz           |
| 7           | 87-8250            | 1           | Plate-Arm, Shift            | 24          | 87-6710            | 1           | Switch-Transmission     |
| 8           | 103-9511           | 3           | Nut-Lock, NI                | 25          | 140-4804           | 2           | Nut-Square              |
| 9           | 98-7977            | 5           | Screw-HHF                   | 26          | 145-2083           | 1           | Bracket-Pump, Fuel      |
| 10          | 68-9950            | 1           | Spring-Traction             | 27          | 115-7741           | 1           | Decal-Oil, Transmission |
| 11          | 87-6910            | 1           | Spring-Compression          | 28          | 3290-379           | 1           | Tie-Cable               |
| 12          | 66-9302            | 1           | Screw-HHF, Whiz             | 30          | 87-3990            | 1           | Strainer-Transaxle      |
| 13          | 3256-4             | 1           | Washer-Flat                 | 30:1        | 237-101            | 1           | O-Ring                  |
| 14          | 237-30             | 2           | O-Ring                      | 31          | 353-987            | 1           | Fitting-Elbow, 90       |
| 15          | 72-4310            | 1           | Switch-Ball                 | 31:1        | 237-81             | 1           | O-Ring                  |
| 16          | 87-7160            | 1           | Clevis-Cable                | 34          | 136-6277           | 1           | Bracket-Sensor, 4Wd     |
| 17          | 87-2310            | 2           | Clevis-Cable                | 35          | 136-6349           | 1           | Sensor                  |



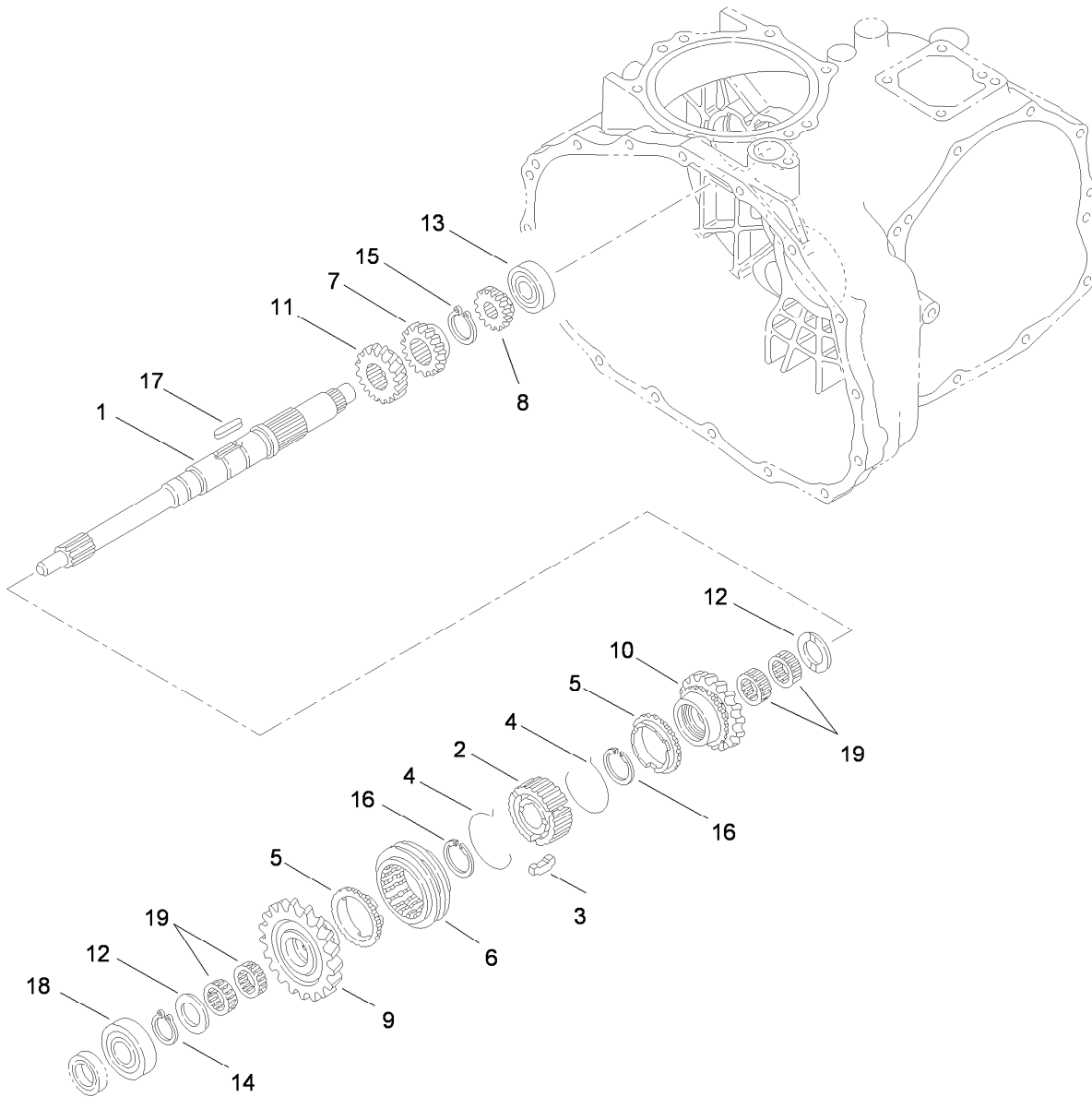
## Case Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|--------------------|
| 2           | 92-0651            | 1           | Case-Transmission   | 12          | 92-0787            | 1           | O-Ring             |
| 3           | 92-0810            | 1           | Cover-Upper, Sensor | 13          | 92-0788            | 1           | O-Ring             |
| 4           | 92-0653            | 1           | Cover-Side          | 14          | 92-0790            | 1           | O-Ring             |
| 5           | 92-0655            | 1           | Cover-Seal, Axle    | 15          | 92-0793            | 1           | Seal-Oil           |
| 6           | 92-0656            | 1           | Cover-Upper, PTO    | 16          | 92-0796            | 5           | Bolt               |
| 7           | 92-0743            | 1           | Breather-Air        | 17          | 33104-025          | 4           | Screw-HHF          |
| 8           | 92-0662            | 1           | Cap-Oil             | 18          | 33104-025          | 4           | Screw-HHF          |
| 9           | 92-0762            | 1           | Washer-Spring       | 19          | 33104-040          | 10          | Screw-HHF          |
| 10          | 92-0765            | 4           | Pin-Parallel        | 20          | 92-0805            | 1           | Bolt 8X20          |
| 11          | 92-0773            | 1           | Plug-Drain          | 21          | 68-9400            | 1           | Nut-Flange         |



## Center Plate Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

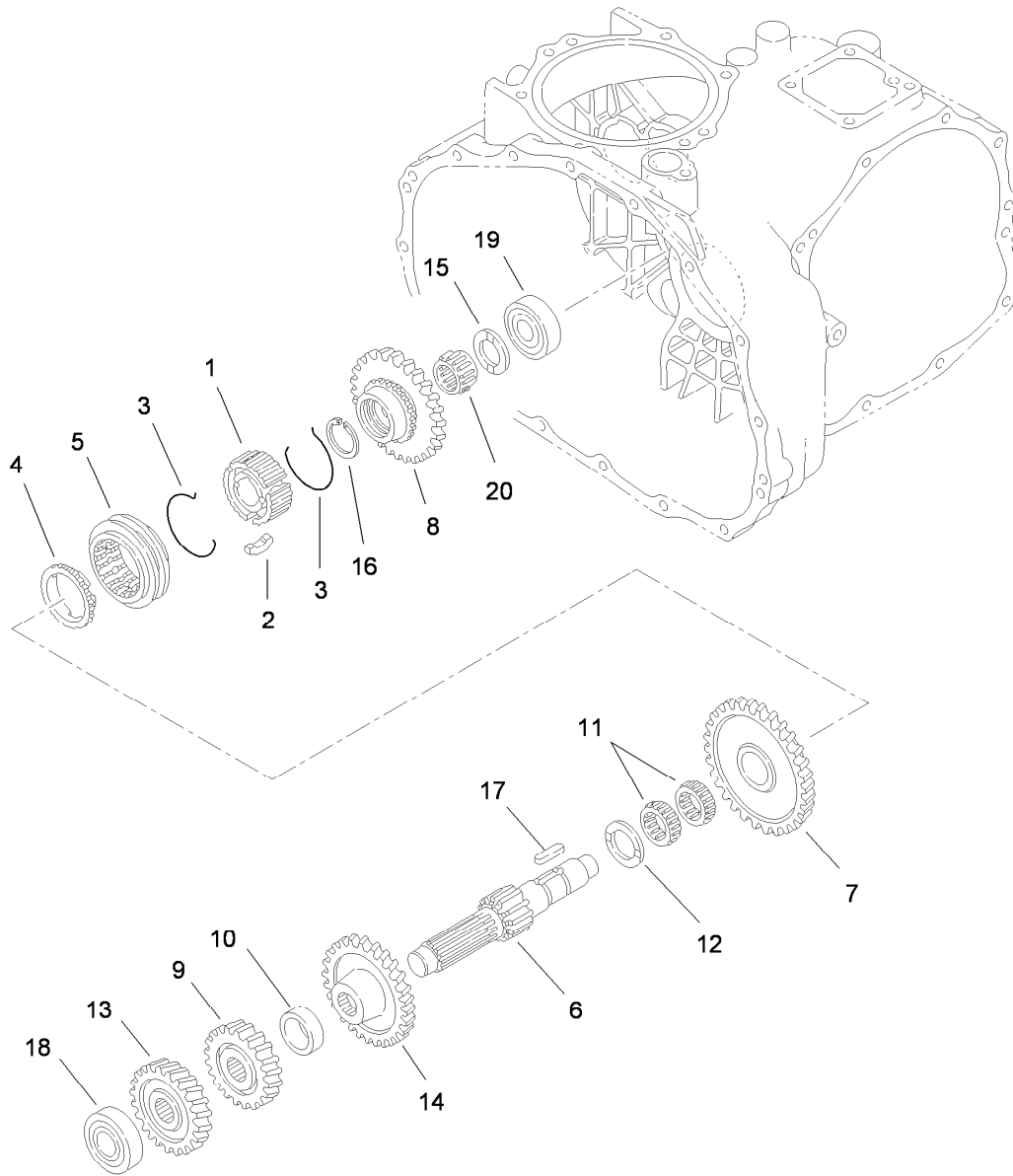
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 100-4462           | 1           | Plate-Center, 4Wd  |
| 2           | 100-4460           | 1           | Shim-Set           |
| 3           | 92-0706            | 1           | Shaft-Fork         |
| 4           | 92-0759            | 1           | Ring-Snap          |
| 5           | 92-0791            | 1           | Seal-Oil           |
| 6           | 33104-025          | 3           | Screw-HHF          |
| 7           | 33104-040          | 15          | Screw-HHF          |
| 8           | 33104-050          | 1           | Screw-HHF          |
| 9           | 92-0807            | 1           | Cap-Sealing        |
| 10          | 100-4465           | 1           | Shim (W/Tab)       |



## Main Shaft Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 92-0663            | 1           | Shaft-Main           |
| 2           | 92-0664            | 1           | Hub-Synchro          |
| 3           | 92-0665            | 3           | Key-Synchro          |
| 4           | 92-0666            | 2           | Spring-Synchro       |
| 5           | 92-0667            | 2           | Ring-Synchro         |
| 6           | 92-0668            | 1           | Shifter-Synchro      |
| 7           | 92-0672            | 1           | Gear-Main, 18 Tooth  |
| 8           | 92-0673            | 1           | Gear-Main, 14 Tooth  |
| 9           | 110-2521           | 1           | Gear-Main, 27 Tooth  |
| 10          | 110-2522           | 1           | Gear- Main, 24 Tooth |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 11          | 92-0687            | 1           | Gear-Main, 16 Tooth |
| 12          | 92-0740            | 2           | Washer-Thrust       |
| 13          | 92-0650            | 1           | Bearing             |
| 14          | 92-0753            | 1           | Ring-Snap           |
| 15          | 92-0754            | 1           | Ring-Snap           |
| 16          | 92-0763            | 2           | Ring-Snap           |
| 17          | 92-0772            | 1           | Key                 |
| 18          | 251-8              | 1           | Bearing-Ball        |
| 19          | 92-0781            | 4           | Bearing-Needle      |



## Reduction Shaft Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

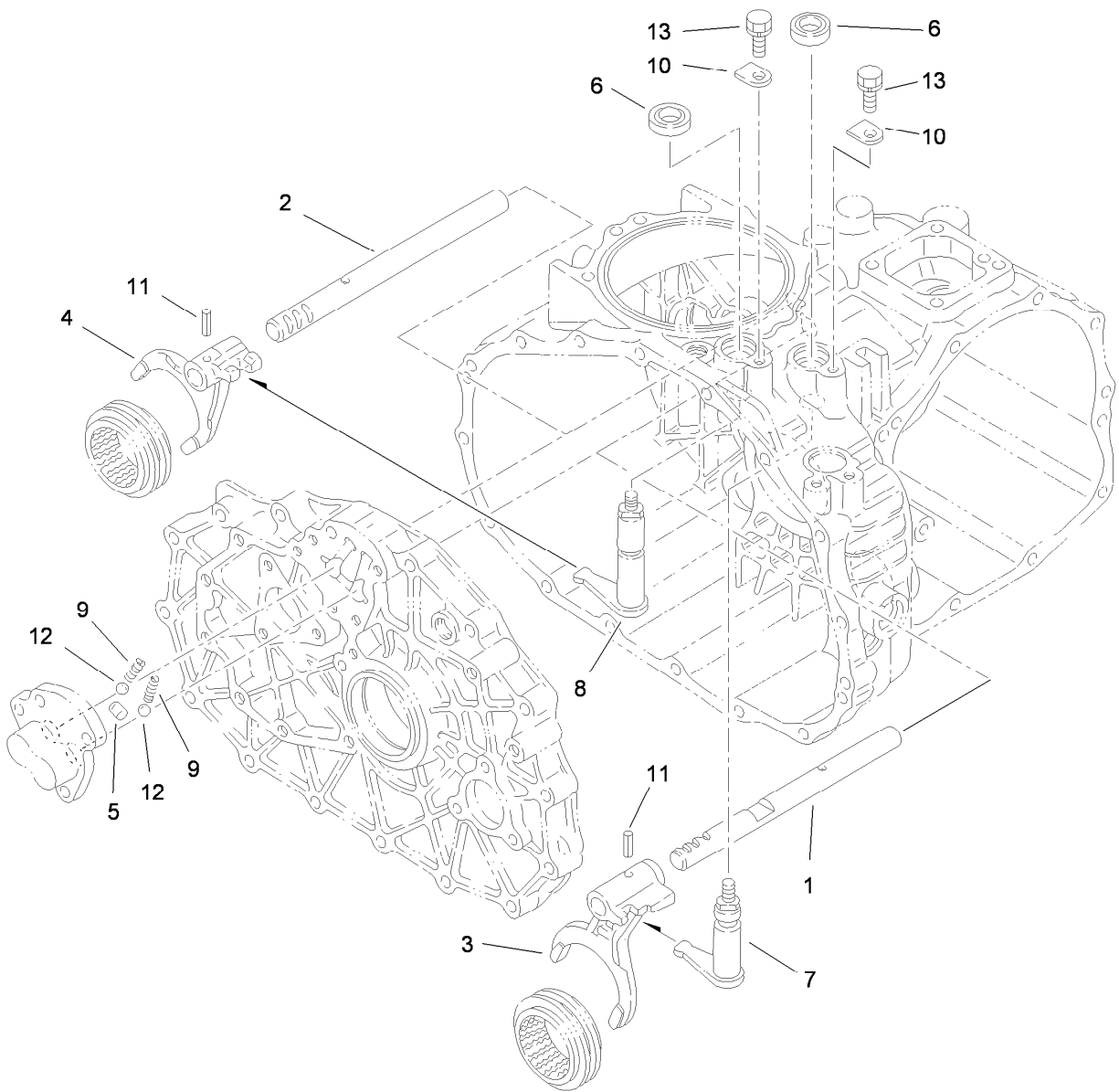
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|---------------------------|
| 1           | 92-0664            | 1           | Hub-Synchro               |
| 2           | 92-0665            | 3           | Key-Synchro               |
| 3           | 92-0666            | 2           | Spring-Synchro            |
| 4           | 92-0667            | 1           | Ring-Synchro              |
| 5           | 92-0668            | 1           | Shifter-Synchro           |
| 6           | 92-0674            | 1           | Shaft-Reduction           |
| 7           | 110-2524           | 1           | Gear- Reduction, 49 Tooth |
| 8           | 92-0819            | 1           | Gear-Reduction, 40 Tooth  |
| 9           | 92-0769            | 1           | Pin-Roll                  |
| 10          | 92-0680            | 1           | Collar                    |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 11          | 92-0681            | 2           | Bearing-Needle           |
| 12          | 92-0682            | 1           | Washer-Thrust            |
| 13          | 92-0822            | 1           | Gear-Reduction, 28 Tooth |
| 14          | 92-0823            | 1           | Gear-Reduction, 43 Tooth |
| 15          | 92-0740            | 1           | Washer-Thrust            |
| 16          | 92-0673            | 1           | Gear-Main, 14 Tooth      |
| 17          | 92-0772            | 1           | Key                      |
| 18          | 105-7985           | 1           | Bearing                  |
| 19          | 92-0778            | 1           | Bearing                  |
| 20          | 92-0782            | 1           | Bearing-Needle           |



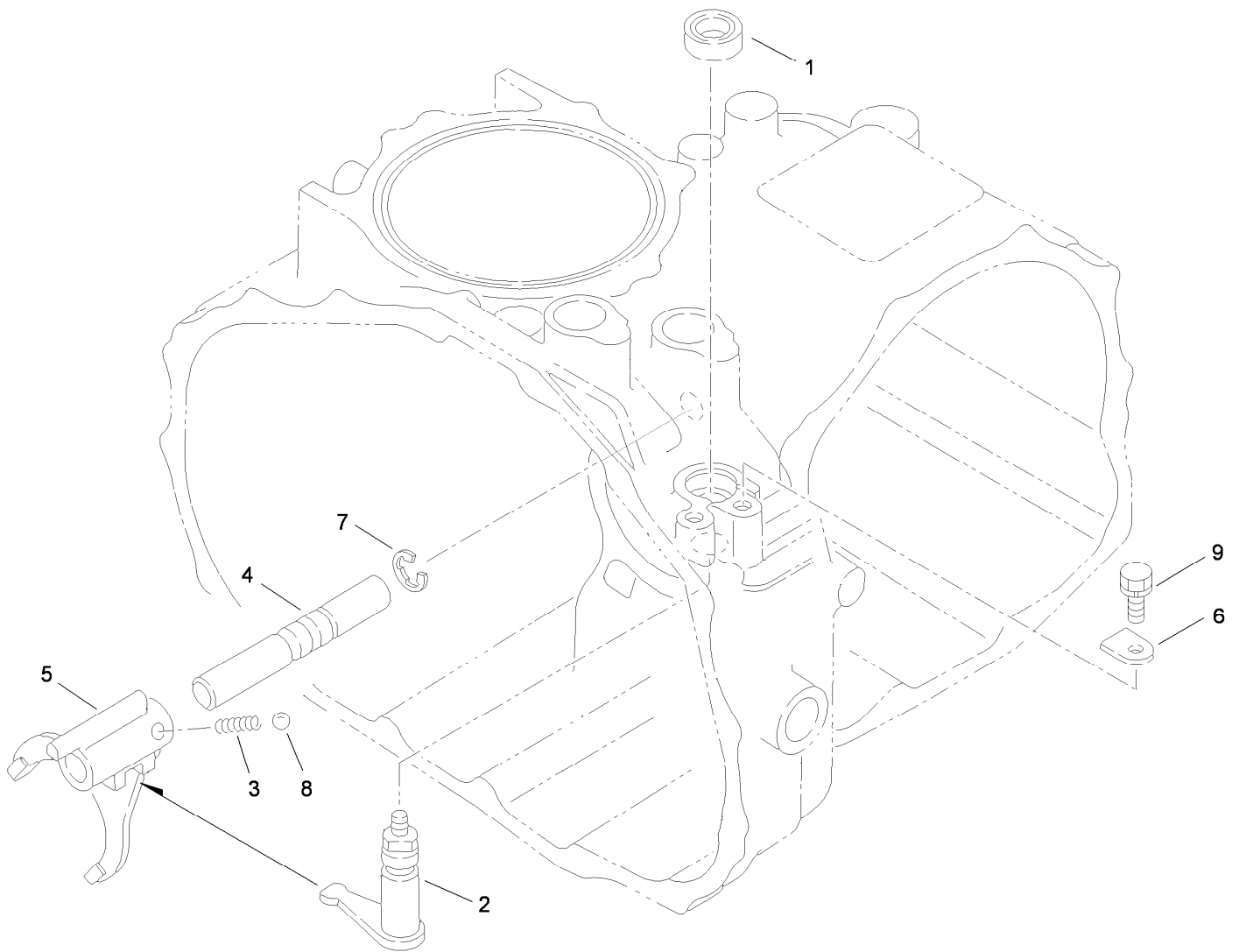
## Reverse Shaft Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 1           | 92-0684            | 1           | Gear-Reverse, 33 Tooth |
| 2           | 92-0824            | 1           | Shaft-Idler, Reverse   |
| 3           | 251-346            | 1           | Bearing-Ball           |
| 4           | 92-0778            | 1           | Bearing                |



## Main Shift Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

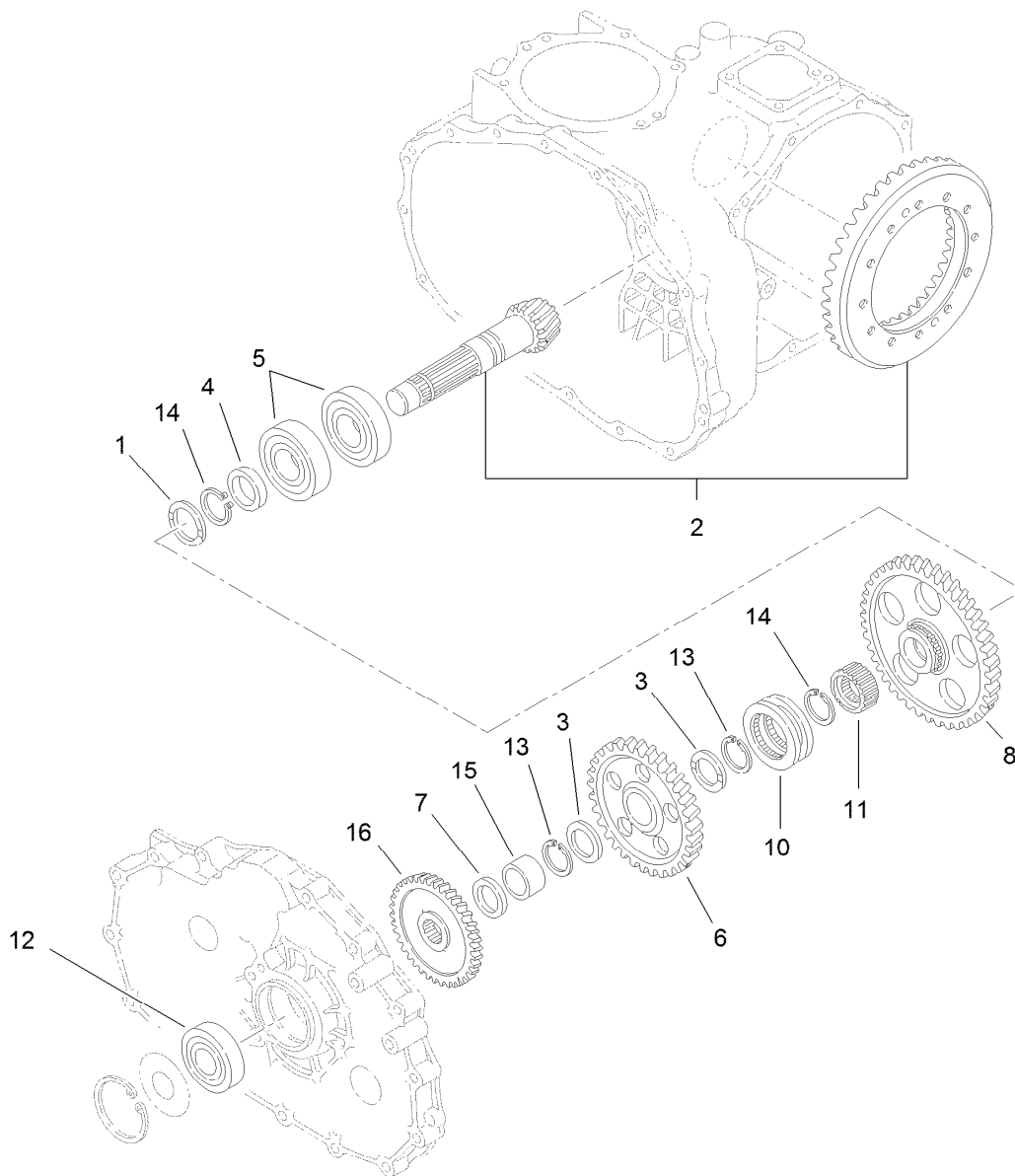
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 92-0698            | 1           | Shaft-Fork         |
| 2           | 92-0699            | 1           | Shaft-Fork         |
| 3           | 92-0700            | 1           | Fork-Shift         |
| 4           | 92-0701            | 1           | Fork-Shift         |
| 5           | 92-0705            | 1           | Lock-Spindle       |
| 6           | 92-0729            | 2           | Seal-Oil           |
| 7           | 92-0816            | 1           | Arm-Shift          |
| 8           | 92-0817            | 1           | Arm-Shift          |
| 9           | 92-0731            | 2           | Spring             |
| 10          | 92-0732            | 2           | Plate-Keeper       |
| 11          | 92-0769            | 2           | Pin-Roll           |
| 12          | 92-0785            | 2           | Ball-Steel         |
| 13          | 33104-016          | 2           | Screw-HHF          |



## Hi-Lo Shift Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

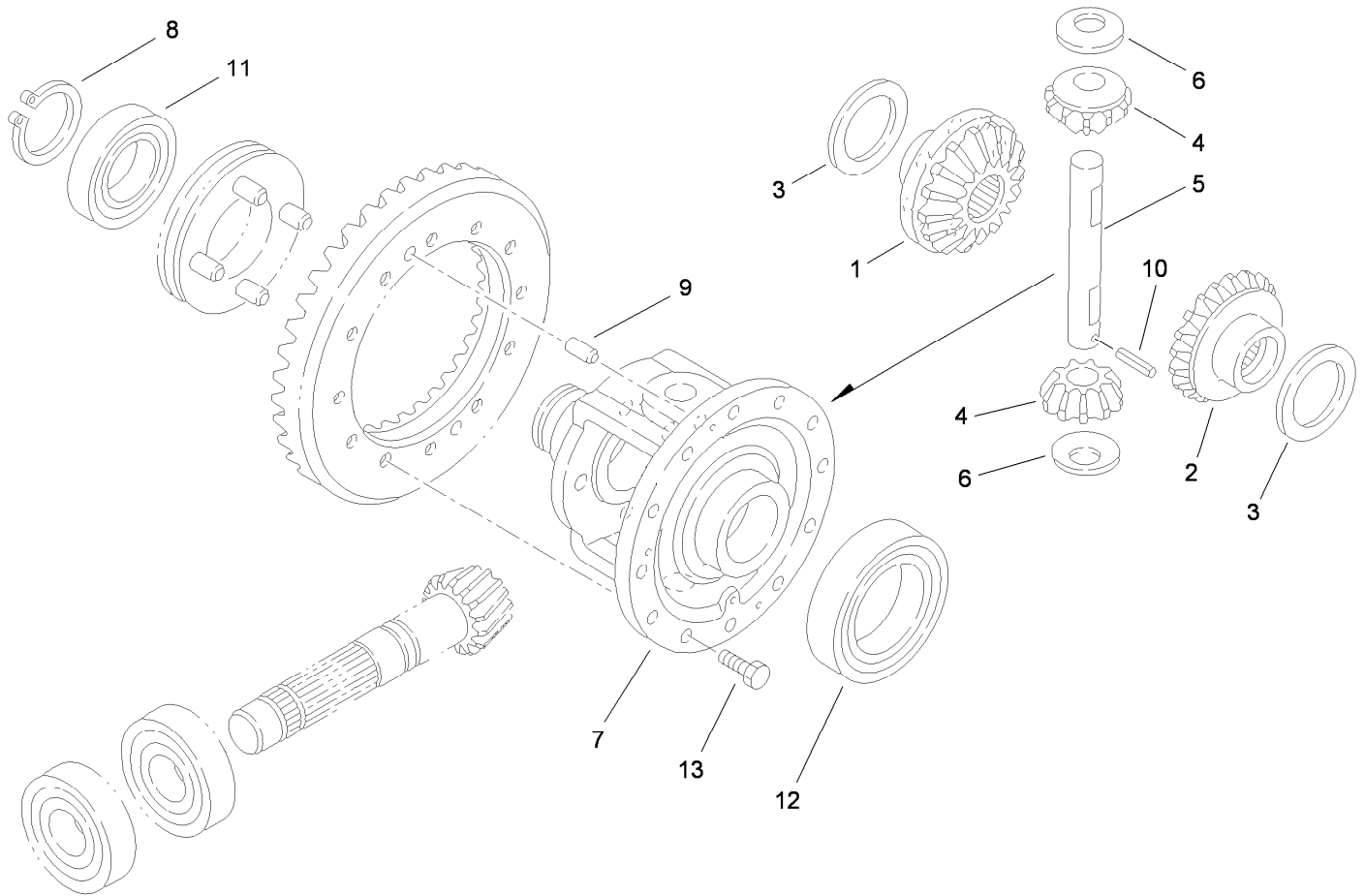
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 92-0729            | 1           | Seal-Oil           |
| 2           | 92-0818            | 1           | Arm-Shift          |
| 3           | 92-0731            | 1           | Spring             |
| 4           | 92-0708            | 1           | Shaft-Fork         |
| 5           | 92-0709            | 1           | Fork-Shift         |
| 6           | 92-0732            | 1           | Plate-Keeper       |
| 7           | 92-0761            | 1           | Ring-E             |
| 8           | 92-0785            | 1           | Ball-Steel         |
| 9           | 33104-016          | 1           | Screw-HHF          |





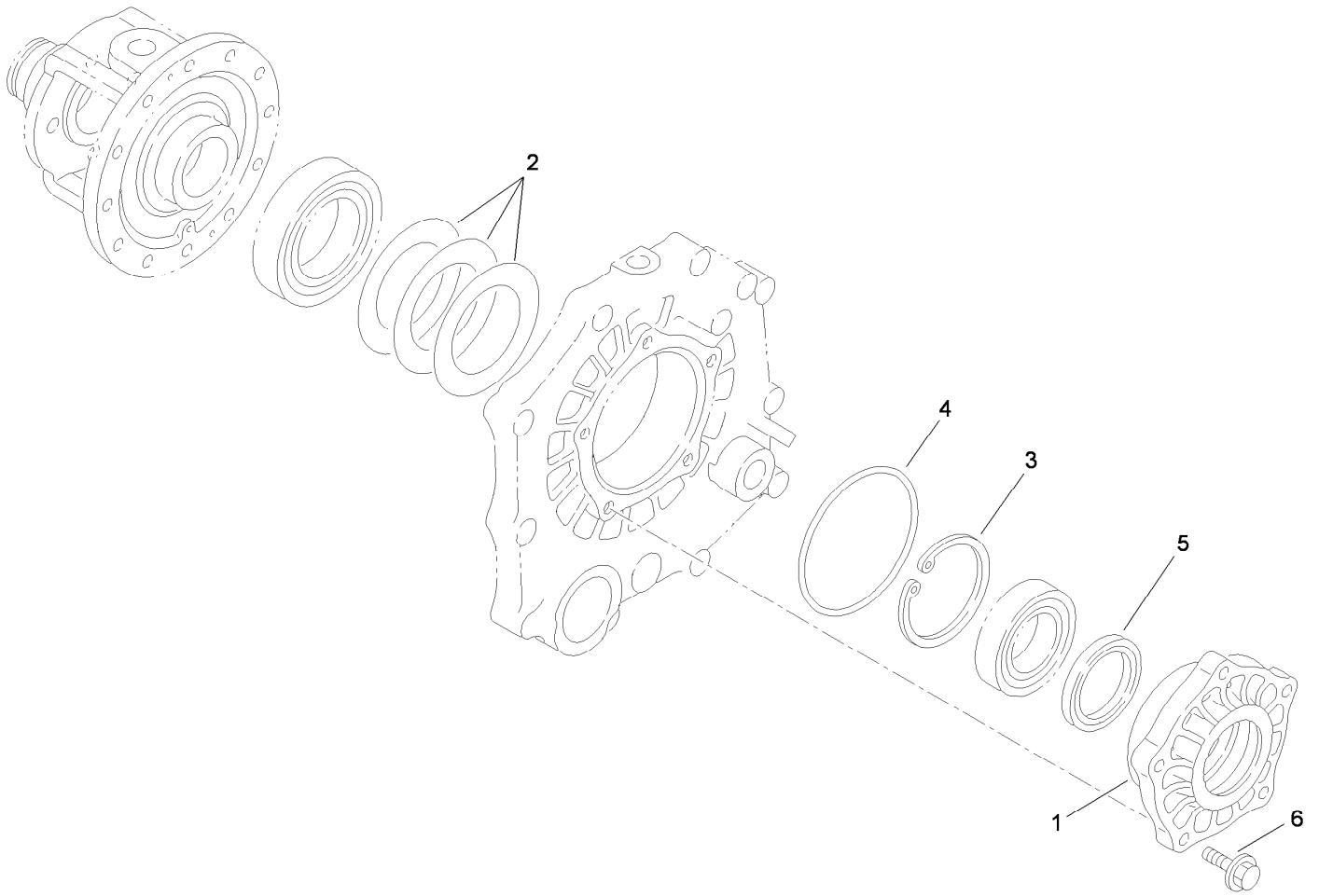
## Countershaft Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             |
|-------------|--------------------|-------------|--------------------------------|
| 1           | 92-0741            | 1           | Washer-Thrust                  |
| 2           | 105-7983           | 1           | Countershaft And Ring Gear ASM |
| 3           | 92-0711            | 2           | Washer-Thrust                  |
| 4           | 92-0713            | 1           | Collar                         |
| 5           | 92-0714            | 2           | Bearing                        |
| 6           | 92-0715            | 1           | Gear-Countershaft              |
| 7           | 92-0716            | 1           | Collar                         |
| 8           | 92-0717            | 1           | Gear-Countershaft              |
| 10          | 92-0718            | 1           | Shifter                        |
| 11          | 105-7986           | 1           | Collar-Spline                  |
| 12          | 92-0712            | 1           | Bearing-Ball                   |
| 13          | 105-7987           | 2           | Ring-Snap                      |
| 14          | 92-0755            | 2           | Ring-Snap                      |
| 15          | 92-0783            | 1           | Race-Inner                     |
| 16          | 92-5186            | 1           | Pinion                         |



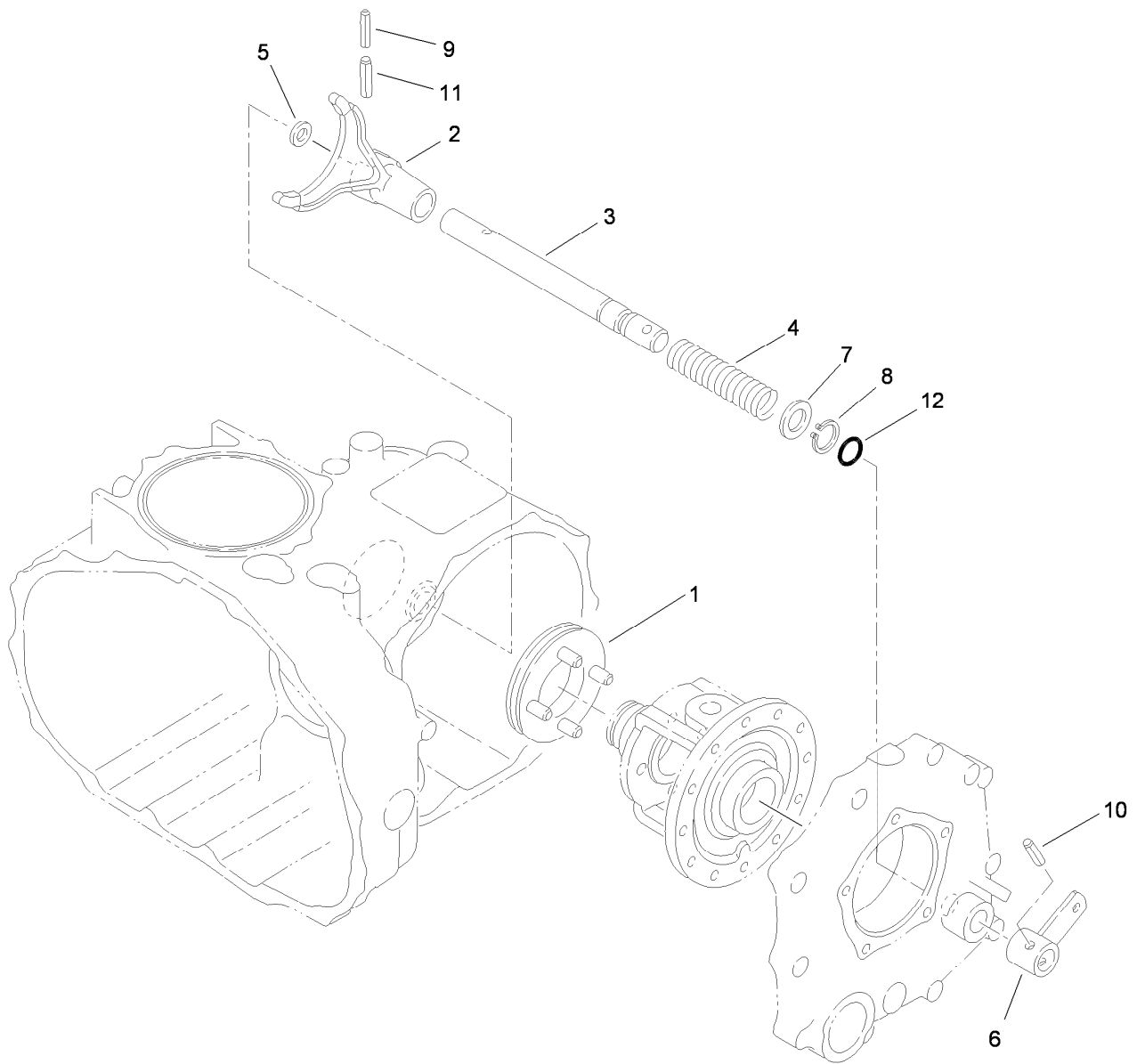
## Differential Gear Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-----------------------|
| 1           | 92-0745            | 1           | Gear-Side, LH         |
| 2           | 92-0746            | 1           | Gear-Side, RH         |
| 3           | 92-0747            | 2           | Side-Gear, Left Inner |
| 4           | 92-0748            | 2           | Pinion-Differential   |
| 5           | 92-0749            | 1           | Shaft-Pinion          |
| 6           | 92-0750            | 2           | Washer                |
| 7           | 92-0720            | 1           | Case-Differential     |
| 8           | 92-0756            | 1           | Ring-Snap             |
| 9           | 92-0765            | 2           | Pin-Parallel          |
| 10          | 92-0768            | 1           | Pin-Roll, Spring      |
| 11          | 92-0775            | 1           | Bearing               |
| 12          | 92-0776            | 1           | Bearing               |
| 13          | 92-0803            | 12          | Bolt                  |



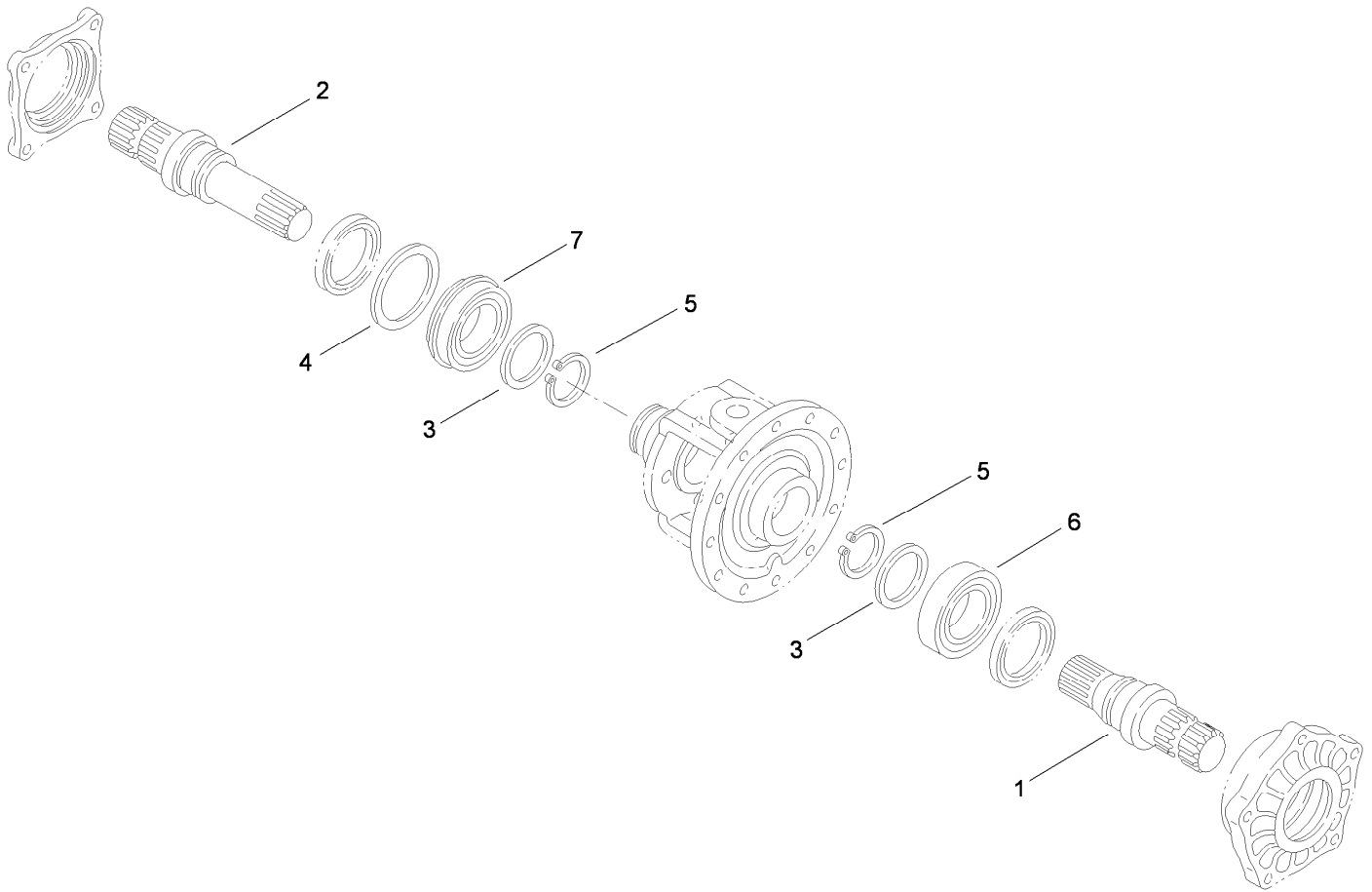
## Differential Carrier Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 92-0654            | 1           | Carrier-Differential |
| 2           | 92-0809            | 1           | Set-Shim             |
| 3           | 92-0760            | 1           | Ring-Snap            |
| 4           | 92-0789            | 1           | O-Ring               |
| 5           | 92-0793            | 1           | Seal-Oil             |
| 6           | 33104-030          | 5           | Screw-HHF            |



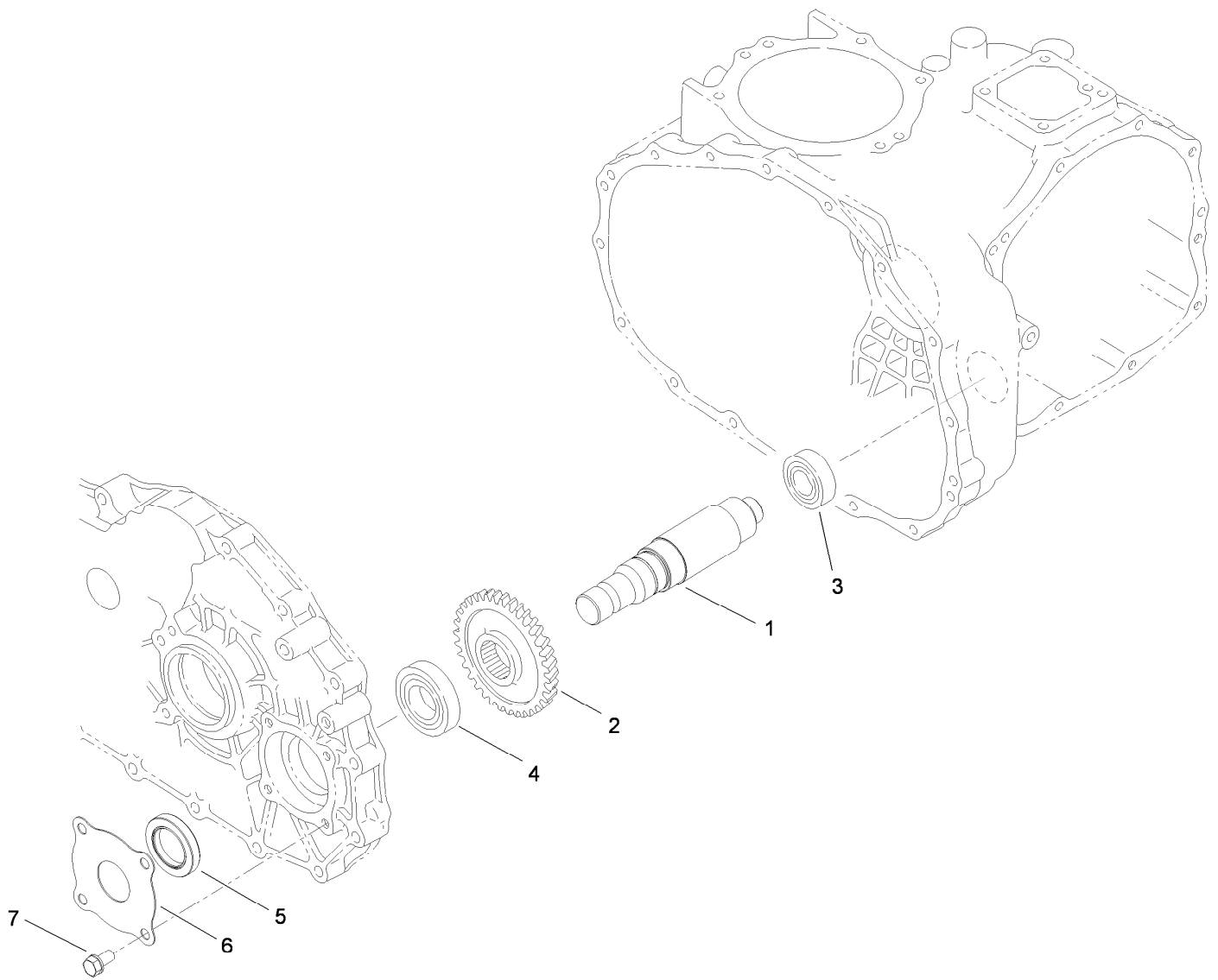
## Differential Lock Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            |
|-------------|--------------------|-------------|-------------------------------|
| 1           | 92-0730            | 1           | Slider-Differential, Lock     |
| 2           | 92-0721            | 1           | Fork-Lock, Differential       |
| 3           | 92-0722            | 1           | Shaft-Fork, Lock Differential |
| 4           | 92-0723            | 1           | Spring-Lock, Differential     |
| 5           | 92-0744            | 1           | Washer                        |
| 6           | 92-0724            | 1           | Arm-Lock, Differential        |
| 7           | 92-0733            | 1           | Washer                        |
| 8           | 92-0753            | 1           | Ring-Snap                     |
| 9           | 92-0768            | 1           | Pin-Roll, Spring              |
| 10          | 92-0770            | 1           | Pin-Roll, Spring              |
| 11          | 92-0771            | 1           | Pin-Roll, Spring              |
| 12          | 92-0787            | 1           | O-Ring                        |



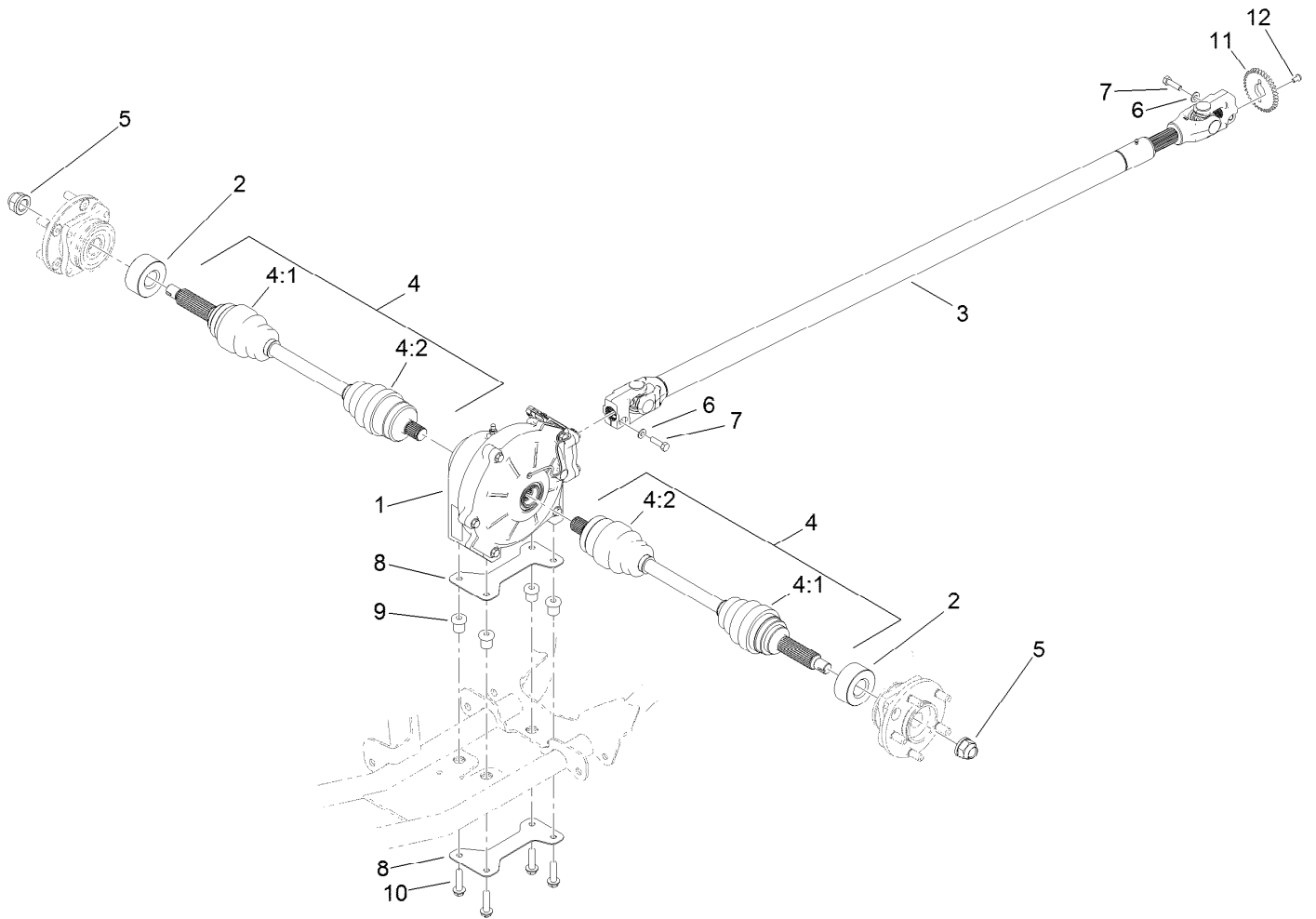
## Axle Shaft Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 92-0725            | 1           | Shaft-Axle, Left   |
| 2           | 92-0726            | 1           | Shaft-Axle, Right  |
| 3           | 92-0727            | 2           | Washer             |
| 4           | 92-0728            | 1           | Washer             |
| 5           | 92-0756            | 2           | Ring-Snap          |
| 6           | 92-0775            | 1           | Bearing            |
| 7           | 92-0780            | 1           | Bearing            |



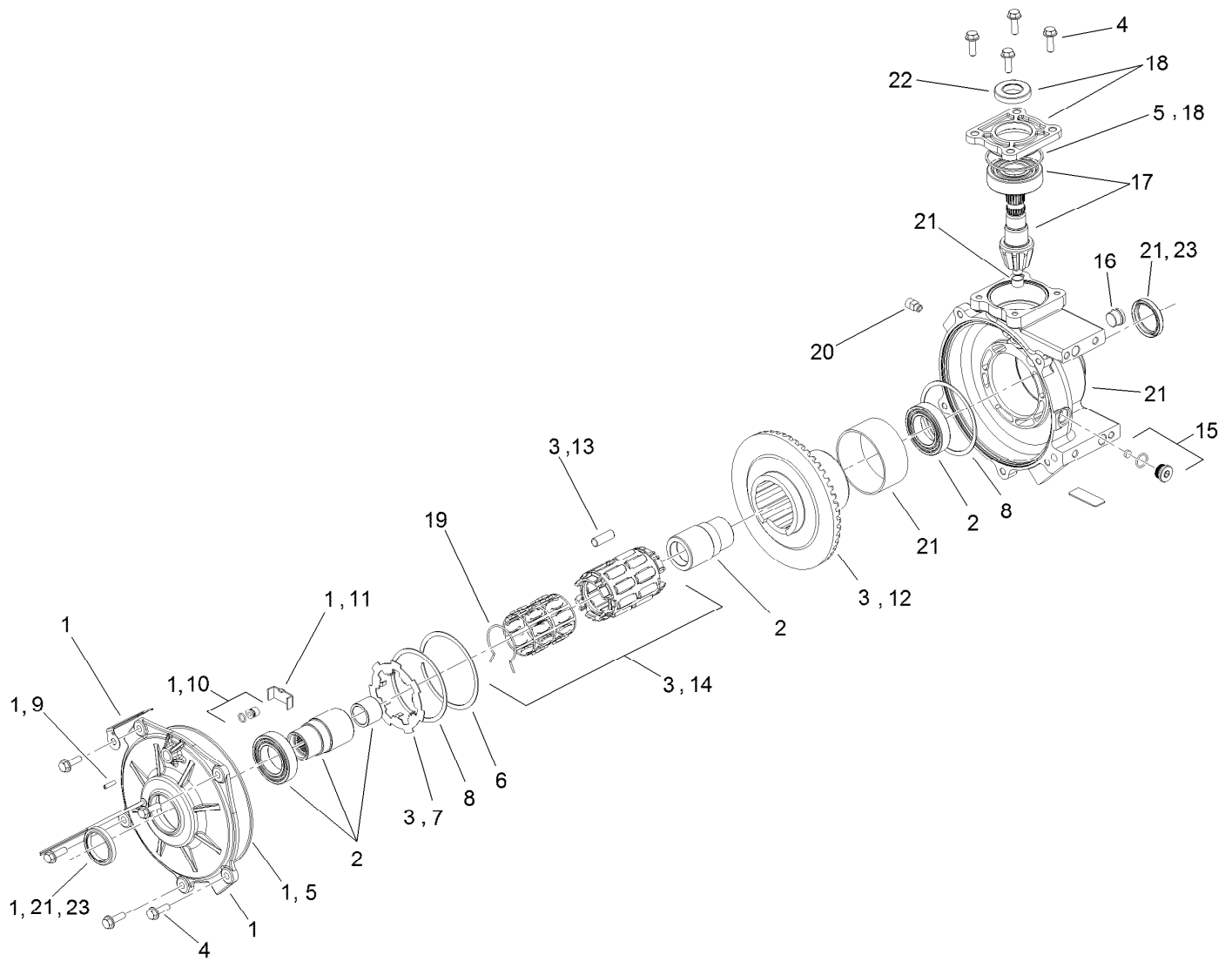
## Front Drive Assembly 4 Wheel Drive Transaxle Assembly No. 115-2175

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 115-7828           | 1           | Driveshaft-Front   |
| 2           | 92-5184            | 1           | Gear               |
| 3           | 251-346            | 1           | Bearing-Ball       |
| 4           | 92-5185            | 1           | Bearing            |
| 5           | 115-7829           | 1           | Seal               |
| 6           | 115-7830           | 1           | Protector-Seal     |
| 7           | 33104-016          | 4           | Screw-HHF          |



## 4 Wheel Drive Assembly

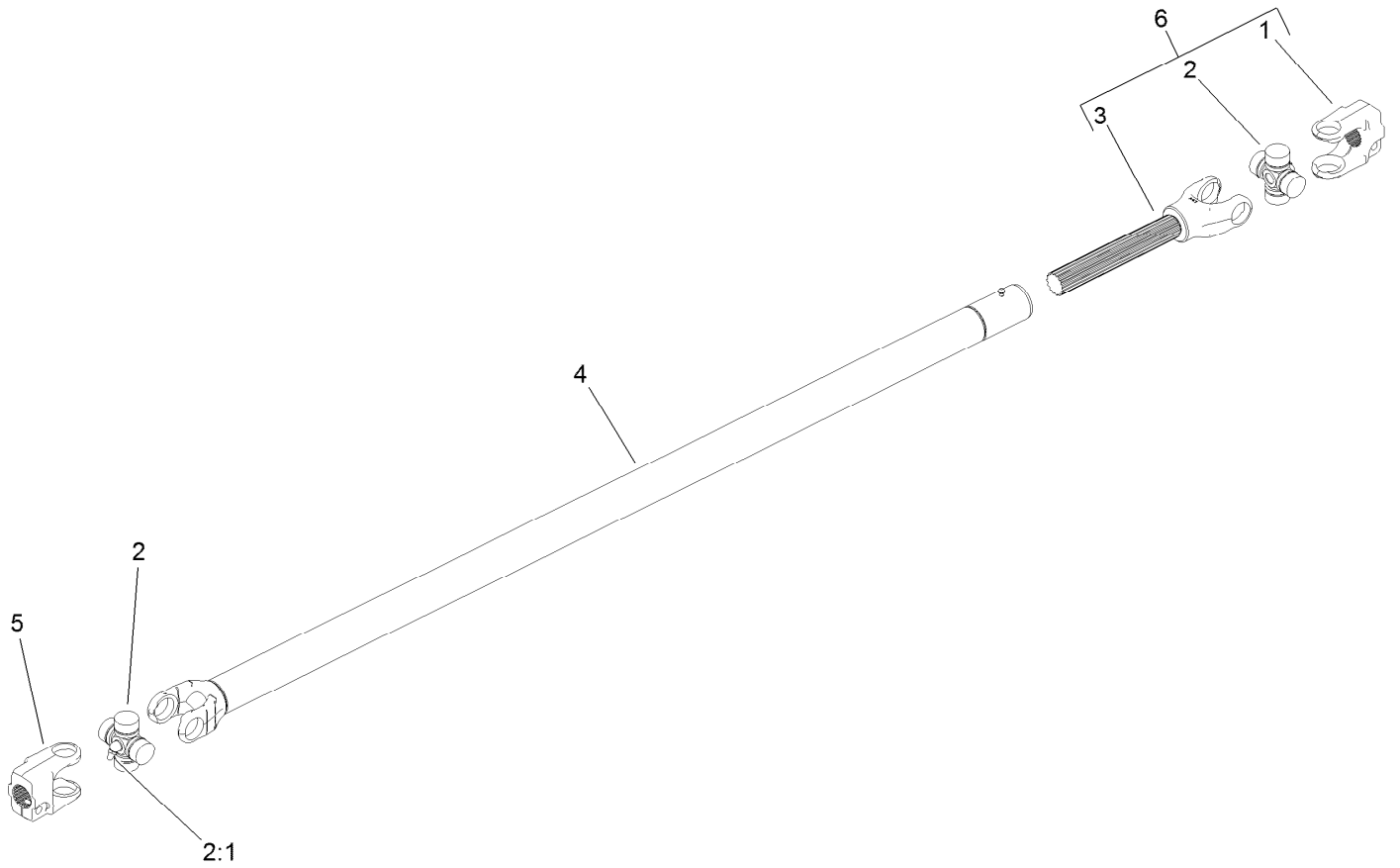
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 119-0824    | 1    | Differential ASM   |
| 2    | 115-2254    | 2    | Spacer-Axle        |
| 3    | 136-6327    | 1    | Drive Shaft ASM    |
| 4    | 115-2172    | 2    | Cv Axle ASM        |
| 4:1  | 107-2891    | 1    | Outboard Boot Kit  |
| 4:2  | 107-2892    | 1    | Inboard Boot Kit   |
| 5    | 115-2164    | 2    | Nut-Spindle        |
| 6    | 3256-23     | 2    | Washer-Plain       |
| 7    | 3210-6      | 2    | Screw-HH           |
| 8    | 119-9477-0P | 2    | Plate-Differential |
| 9    | 63-9750     | 4    | Mount              |
| 10   | 3234-18     | 4    | Screw-HHF          |
| 11   | 136-6331    | 1    | Ring-Sensor, 4Wd   |
| 12   | 137-2794    | 1    | Screw-HSBH         |



## Differential Assembly No. 119-0824

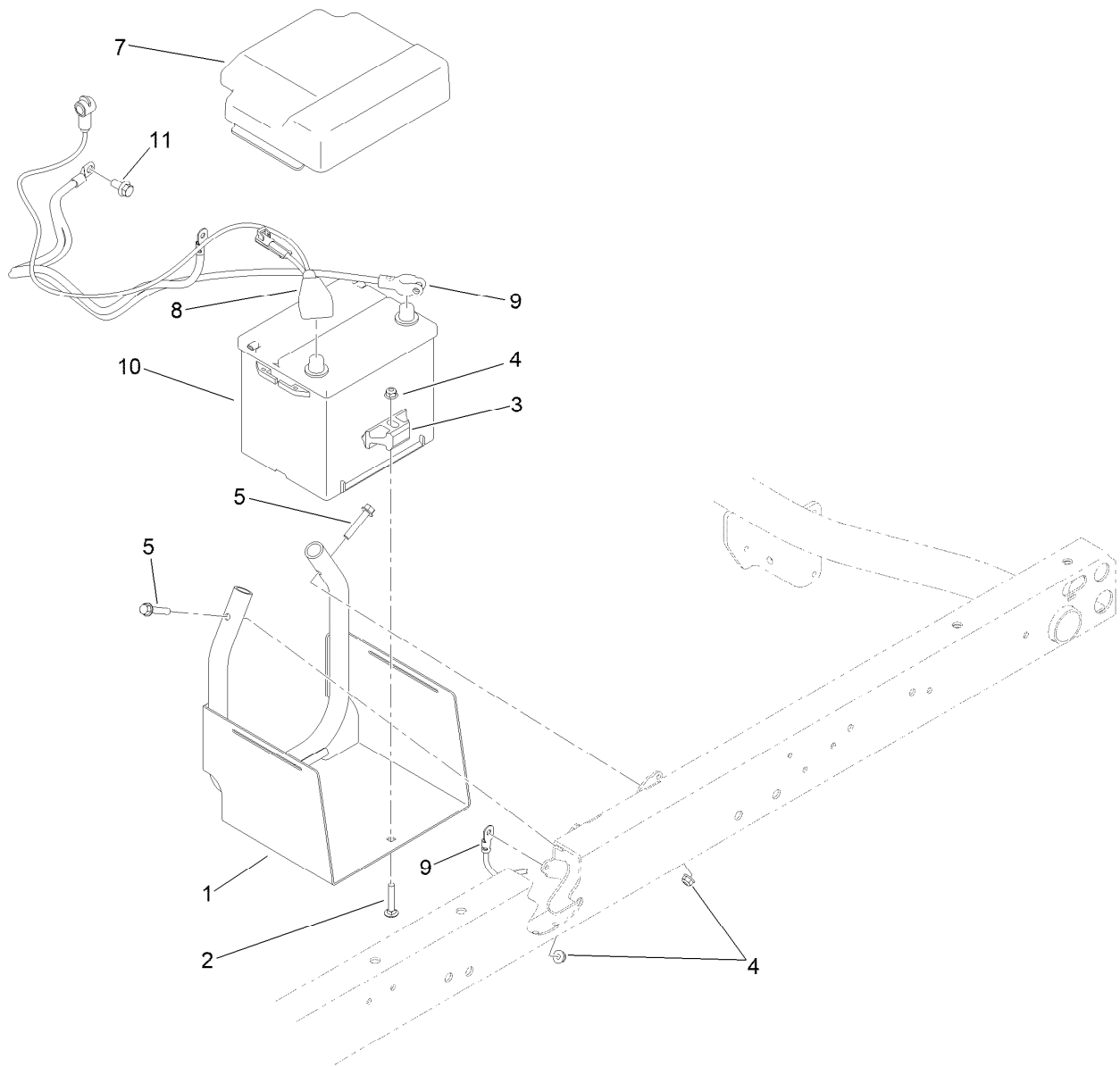
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 115-7790           | 1           | Output Cover ASM         | 13          | 115-7802           | 1           | Roll Kit           |
| 2           | 119-9479           | 1           | Output Hub ASM           | 14          | 115-7803           | 1           | Roll Cage ASM      |
| 3           | 115-7792           | 1           | Clutch ASM               | 15          | 115-7804           | 1           | Drain Plug ASM     |
| 4           | 115-7793           | 1           | Bolt Kit                 | 16          | 115-7805           | 1           | Plug-Oil, Fill     |
| 5           | 115-7794           | 1           | Seal Kit                 | 17          | 115-7806           | 1           | Shaft-Pinion, 9T   |
| 6           | 115-7795           | 1           | Ring-Retaining, Internal | 18          | 115-7807           | 1           | Input Cover ASM    |
| 7           | 115-7796           | 1           | Plate-Armature, Notched  | 19          | 115-7808           | 1           | Spring-Torsion     |
| 8           | 115-7797           | 1           | Shim                     | 20          | 117-4985           | 1           | Vent-Protected     |
| 9           | 115-7798           | 1           | Screw-Set                | 21          | 119-9480           | 1           | Gearcase ASM       |
| 10          | 115-7799           | 1           | Thrust Button ASM        | 22          | 127-8866           | 1           | Input Seal         |
| 11          | 115-7800           | 1           | Plate-Thrust             | 23          | 127-8867           | 2           | Output Seal        |
| 12          | 115-7801           | 1           | Gear-Ring, 50T           |             |                    |             |                    |





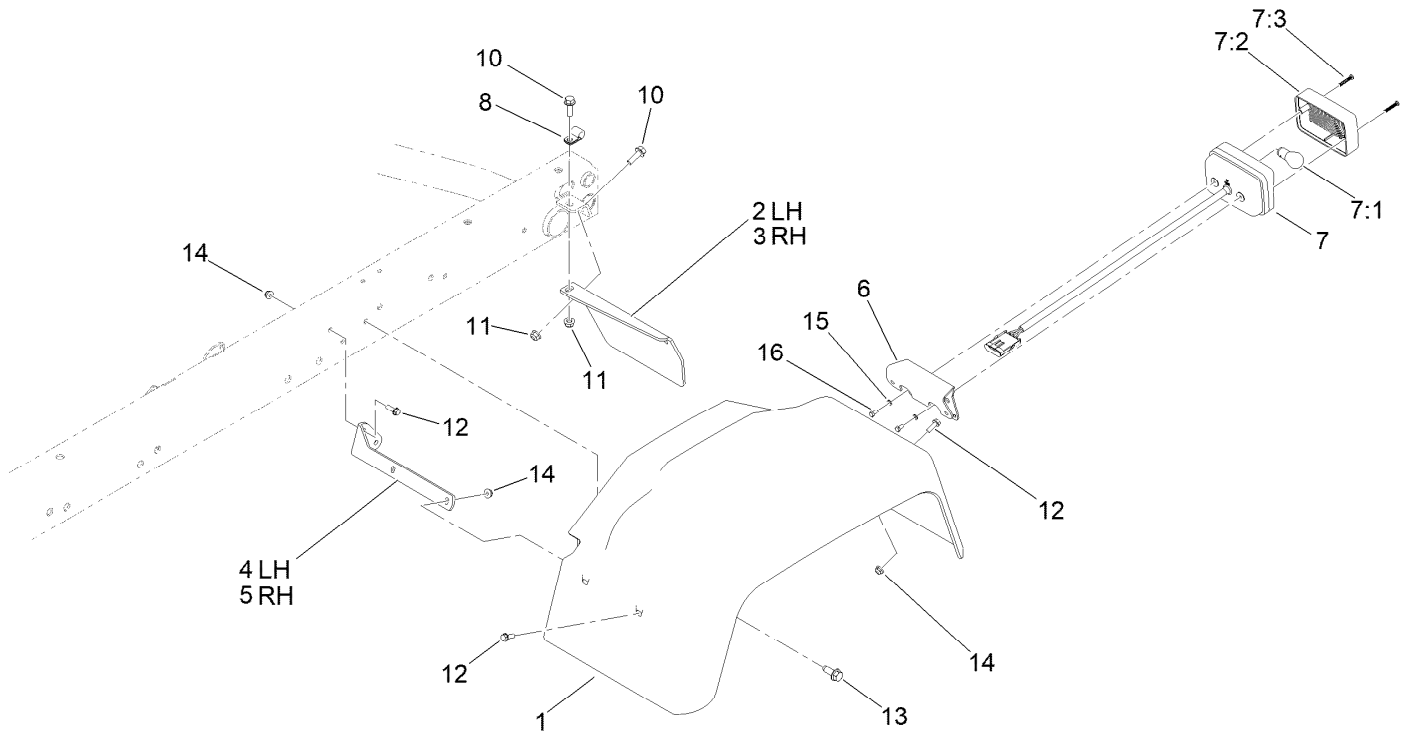
## Drive Shaft Assembly No. 136-6327

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             |
|-------------|--------------------|-------------|--------------------------------|
| 1           | 136-6326           | 1           | Yoke                           |
| 2           | 54-9180            | 2           | U-Joint Kit                    |
| 2:1         | 62-3820            | 1           | Fitting-Grease                 |
| 3           | 115-7708           | 1           | Yoke And Shaft                 |
| 4           | 115-7709           | 1           | Yoke, Tube And Slip Sleeve ASM |
| 5           | 115-7707           | 1           | Yoke                           |
| 6           | 136-6338           | 1           | Yoke And Shaft ASM             |



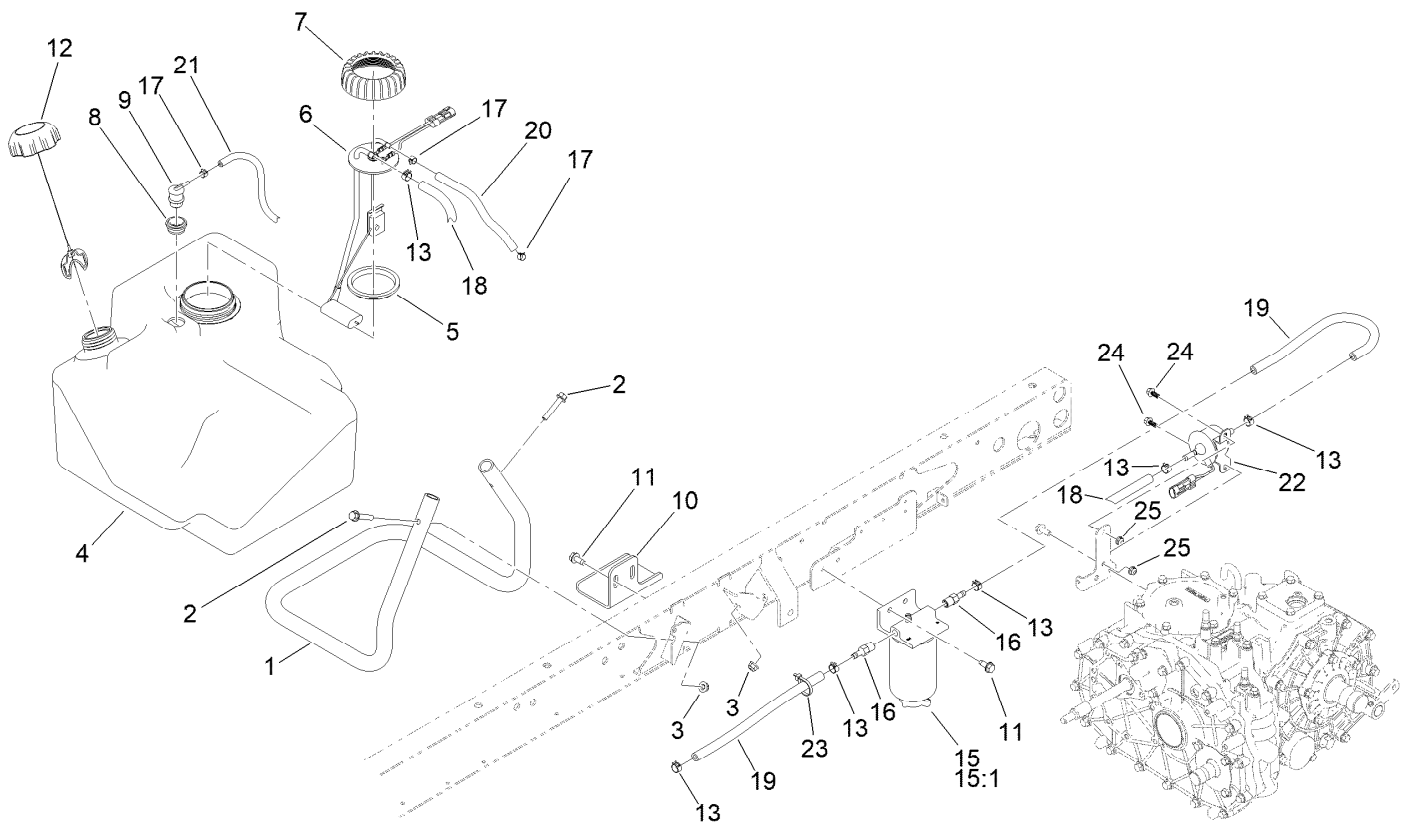
## Battery Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|----------------------------------|
| 1           | 115-2237-03        | 1           | Tray-Battery                     |
| 2           | 3230-5             | 1           | Bolt-CARR                        |
| 3           | 138-6335           | 1           | Retainer-Battery                 |
| 4           | 104-8300           | 3           | Nut-HF, NI                       |
| 5           | 94-5780            | 2           | Screw-HWH                        |
| 7           | 119-9496           | 1           | Cover-Battery                    |
| 8           | 122-0204           | 1           | Cable-Battery, Positive          |
| 9           | 122-1024           | 1           | Cable-Battery, Negative          |
| 10          | 106-5187           | 1           | Battery, 525 CCA W/O Electrolyte |
| 11          | 120-4839           | 1           | Screw-HHF                        |



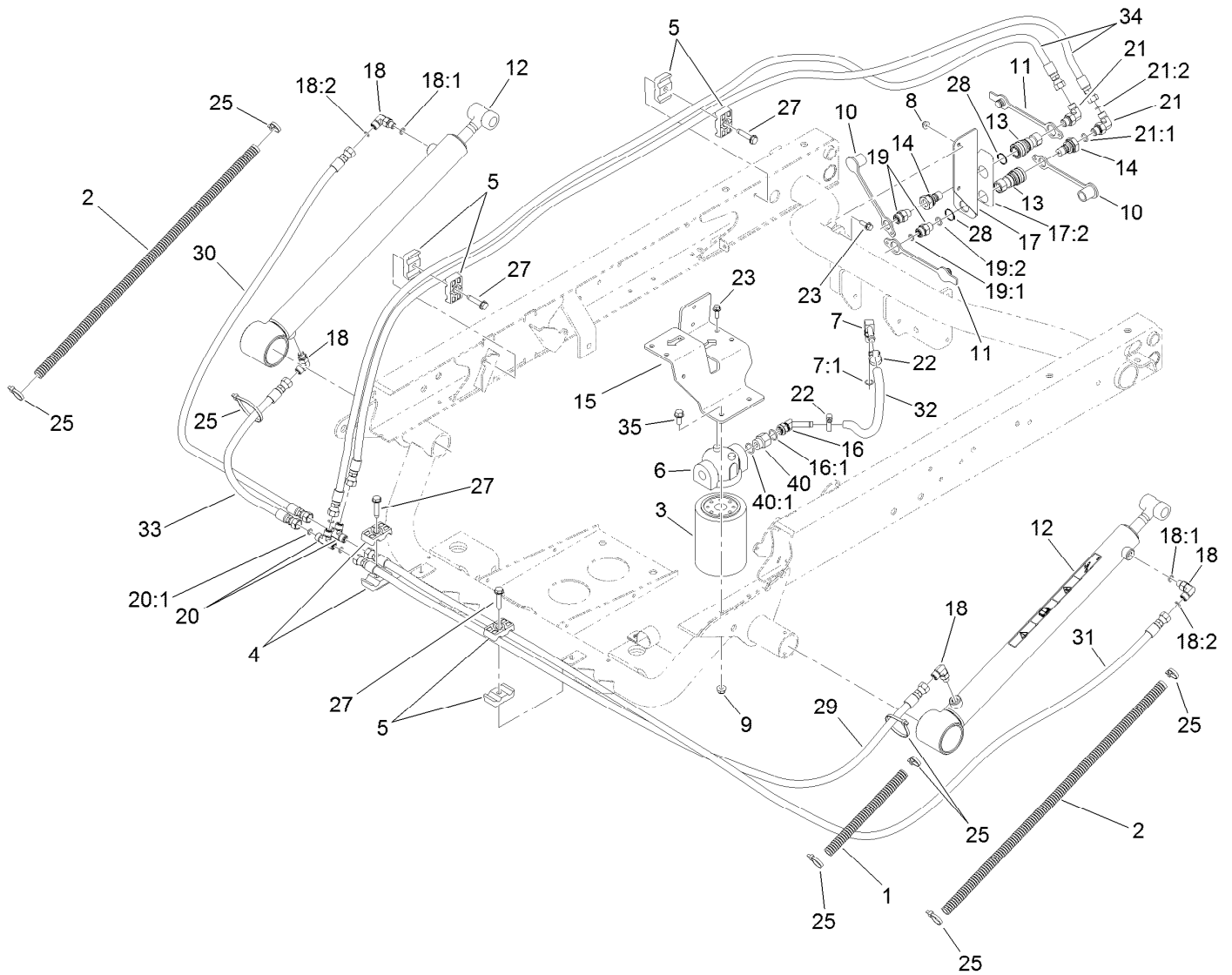
## Tail Light and Fender Assembly

| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description           |
|------|-------------|------|----------------------------|------|-------------|------|-----------------------|
| 1    | 132-6701    | 2    | Fender-Rear                | 7:3  | 121-6272    | 2    | Screw-PPH             |
| 2    | 93-8943-03  | 1    | Bracket-Fender, Rear (LH)  | 8    | 2412-93     | 2    | Clamp-R               |
| 3    | 93-8944-03  | 1    | Bracket-Fender, Rear (RH)  | 10   | 3234-17     | 4    | Screw-HHF             |
| 4    | 93-8941-03  | 1    | Bracket-Fender, Front (LH) | 11   | 104-8300    | 4    | Nut-HF, NI            |
| 5    | 93-8942-03  | 1    | Bracket-Fender, Front (RH) | 12   | 32105-15    | 12   | Screw-HWH             |
| 6    | 121-6269-03 | 2    | Bracket-Light, Tail        | 13   | 126-1696    | 6    | Screw-Forming, Thread |
| 7    | 120-4820    | 2    | Light-Tail, Brake          | 14   | 104-7201    | 12   | Nut-Flange, NI        |
| 7:1  | 115-7858    | 1    | Bulb-7528                  | 15   | 43-5920     | 4    | Washer-Lock, Spring   |
| 7:2  | 121-6271    | 1    | Lens-Light, Tail           | 16   | 121-6320    | 4    | Screw-HH              |



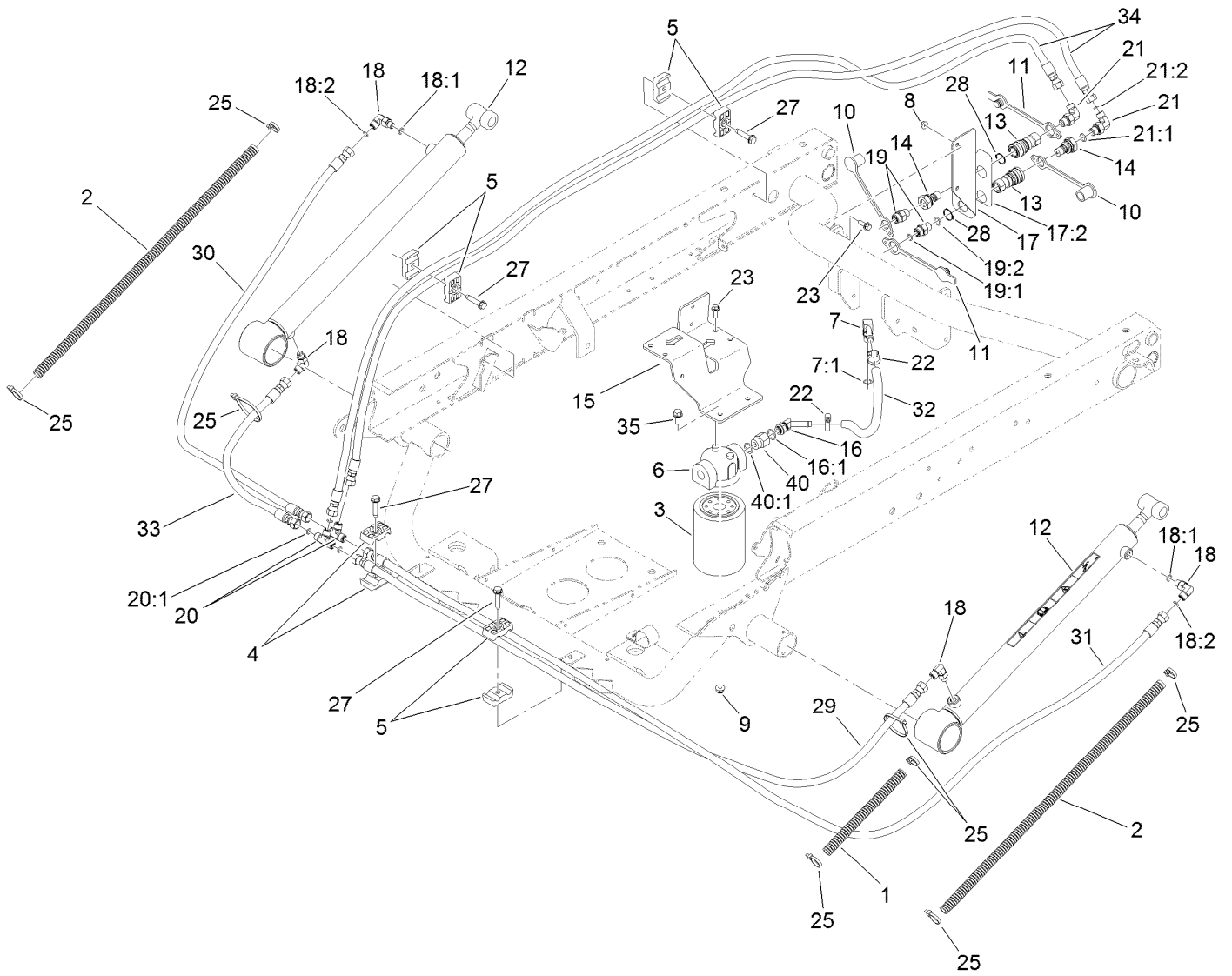
## Fuel System Assembly

| Ref. | Part Number | Qty. | Description       | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|-------------------|------|-------------|------|----------------------------|
| 1    | 115-7767-0P | 1    | Tube-Support      | 15   | 110-9044    | 1    | Separator-Filter           |
| 2    | 94-5780     | 2    | Screw-HWH         | 15:1 | 110-9049    | 1    | Filter-Spin On, Fuel/Water |
| 3    | 104-8300    | 2    | Nut-HF, NI        | 16   | 353-783     | 2    | Fitting-STR                |
| 4    | 119-0735    | 1    | Tank-Fuel         | 17   | 2412-80     | 3    | Clamp-Hose                 |
| 5    | 115-2163    | 1    | Gasket-Pump, Fuel | 18   | 114-8206    | 1    | Hose-Fuel                  |
| 6    | 114-8348    | 1    | Sender-Fuel       | 19   | 110-4101    | 2    | Hose-Fuel                  |
| 7    | 115-2162    | 1    | Cap-Pump, Fuel    | 20   | 120-5022    | 1    | Hose-Fuel                  |
| 8    | 114-0284    | 1    | Grommet           | 21   | 110-8255    | 1    | Hose-Fuel                  |
| 9    | 114-0285    | 1    | Valve-Rollover    | 22   | 145-3154    | 1    | Pump-Fuel, Electric        |
| 10   | 114-8404    | 1    | Plate-Retainer    | 23   | 3290-379    | 1    | Tie-Cable                  |
| 11   | 32144-70    | 4    | Screw-HWHTF       | 24   | 99-6810     | 2    | Screw-HHF                  |
| 12   | 115-7789    | 1    | Cap-Fuel, Diesel  | 25   | 104-7201    | 2    | Nut-Flange, NI             |
| 13   | 92-2379     | 6    | Clamp-Hose        |      |             |      |                            |



## Hydraulic Lift Cylinder Assembly

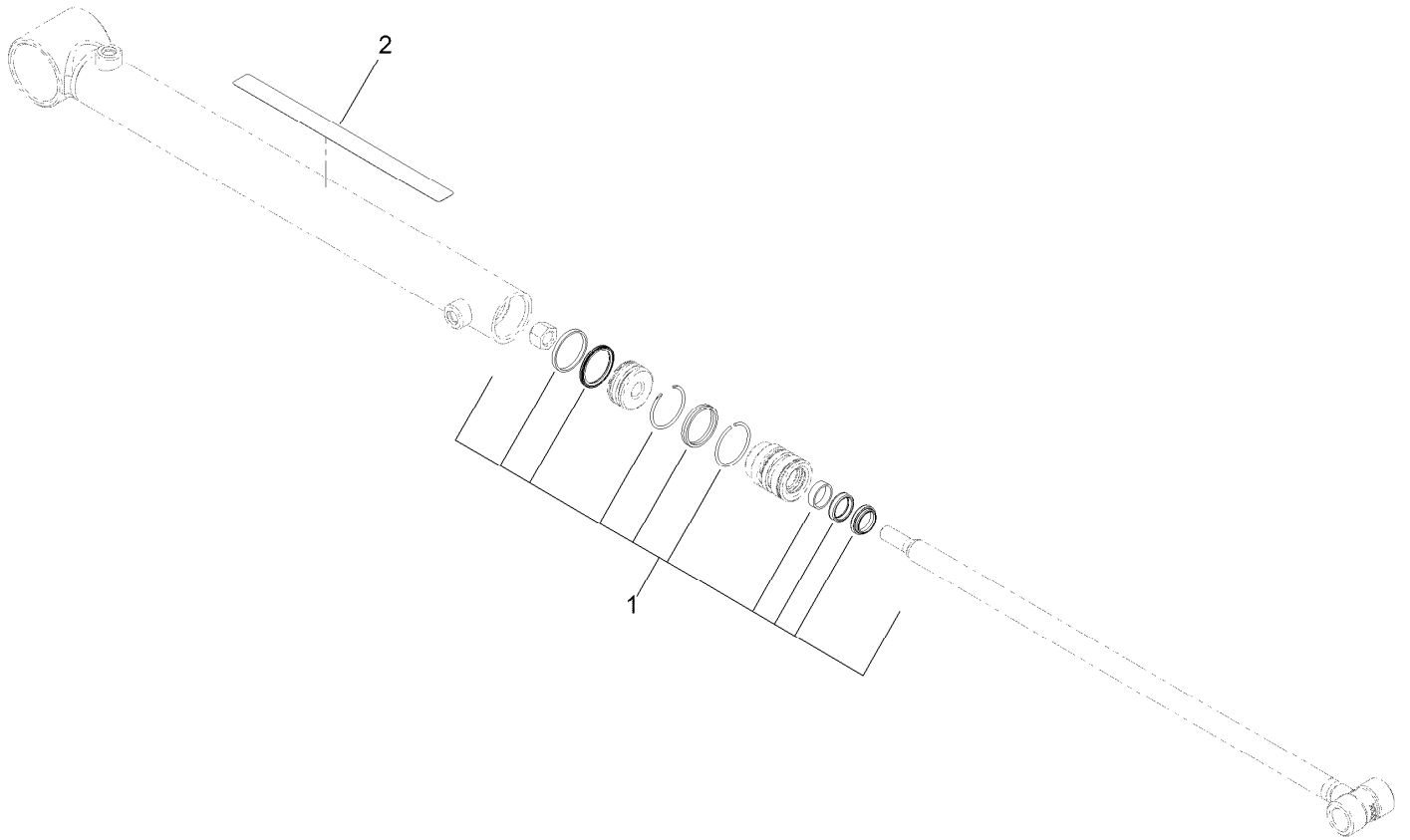
| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description           |
|------|-------------|------|--------------------------|------|-------------|------|-----------------------|
| 1    | 24-7922     | 1    | Conduit-Convolved, Split | 18:1 | 237-78      | 1    | O-Ring                |
| 2    | 24-7923     | 2    | Conduit-Convolved, Split | 18:2 | 237-21      | 1    | O-Ring                |
| 3    | 54-0110     | 1    | Filter-Oil, Transmission | 19   | 340-2       | 2    | Fitting-Straight      |
| 4    | 56-7971     | 2    | Clamp-Tube               | 19:1 | 237-22      | 1    | O-Ring                |
| 5    | 56-7976     | 6    | Clamp-Tube               | 19:2 | 237-42      | 1    | O-Ring                |
| 6    | 87-8780     | 1    | Head-Filter              | 20   | 340-21      | 2    | Fitting               |
| 7    | 100-4887    | 1    | Fitting-Elbow, 90        | 20:1 | 237-21      | 3    | O-Ring                |
| 7:1  | 237-42      | 1    | O-Ring                   | 21   | 340-82      | 2    | Fitting-Elbow, 90 DEG |
| 8    | 104-7201    | 2    | Nut-Flange, NI           | 21:1 | 237-42      | 1    | O-Ring                |
| 9    | 104-8300    | 2    | Nut-HF, NI               | 21:2 | 237-21      | 1    | O-Ring                |
| 10   | 106-7881    | 2    | Cap-Dust, HYD            | 22   | 2412-36     | 2    | Clamp-Hose            |
| 11   | 106-7882    | 2    | Plug-Dust, HYD           | 23   | 3234-4      | 4    | Screw-HHF             |
| 12   | 133-0620    | 2    | HYD Cylinder ASM         | 25   | 3290-379    | 6    | Tie-Cable             |
| 13   | 106-7968    | 2    | Coupler-Quick, Female    | 27   | 32144-57    | 4    | Screw                 |
| 14   | 106-7969    | 2    | Coupler-Quick, Male      | 28   | 32151-83    | 2    | Ring-Snap             |
| 15   | 115-2168-OP | 1    | Bracket-Mount-Filter     | 29   | 115-7711    | 1    | Hose-HYD              |
| 16   | 103-1807    | 1    | Fitting-Barbed, 45 DEG   | 30   | 108-6508    | 1    | Hose-HYD              |
| 16:1 | 237-42      | 1    | O-Ring                   | 31   | 104-3716    | 1    | Hose-HYD              |
| 17   | 139-4530    | 1    | Coupler Bracket ASM      | 32   | 115-2228    | 1    | Hose-HYD              |
| 17:2 | 115-7723    | 1    | Decal-Disconnect, Quick  | 33   | 110-0931    | 1    | Hose-HYD              |
| 18   | 340-132     | 4    | Fitting-Elbow, 90 DEG    | 34   | 106-3680    | 2    | Hose-HYD              |



## Hydraulic Lift Cylinder Assembly (continued)

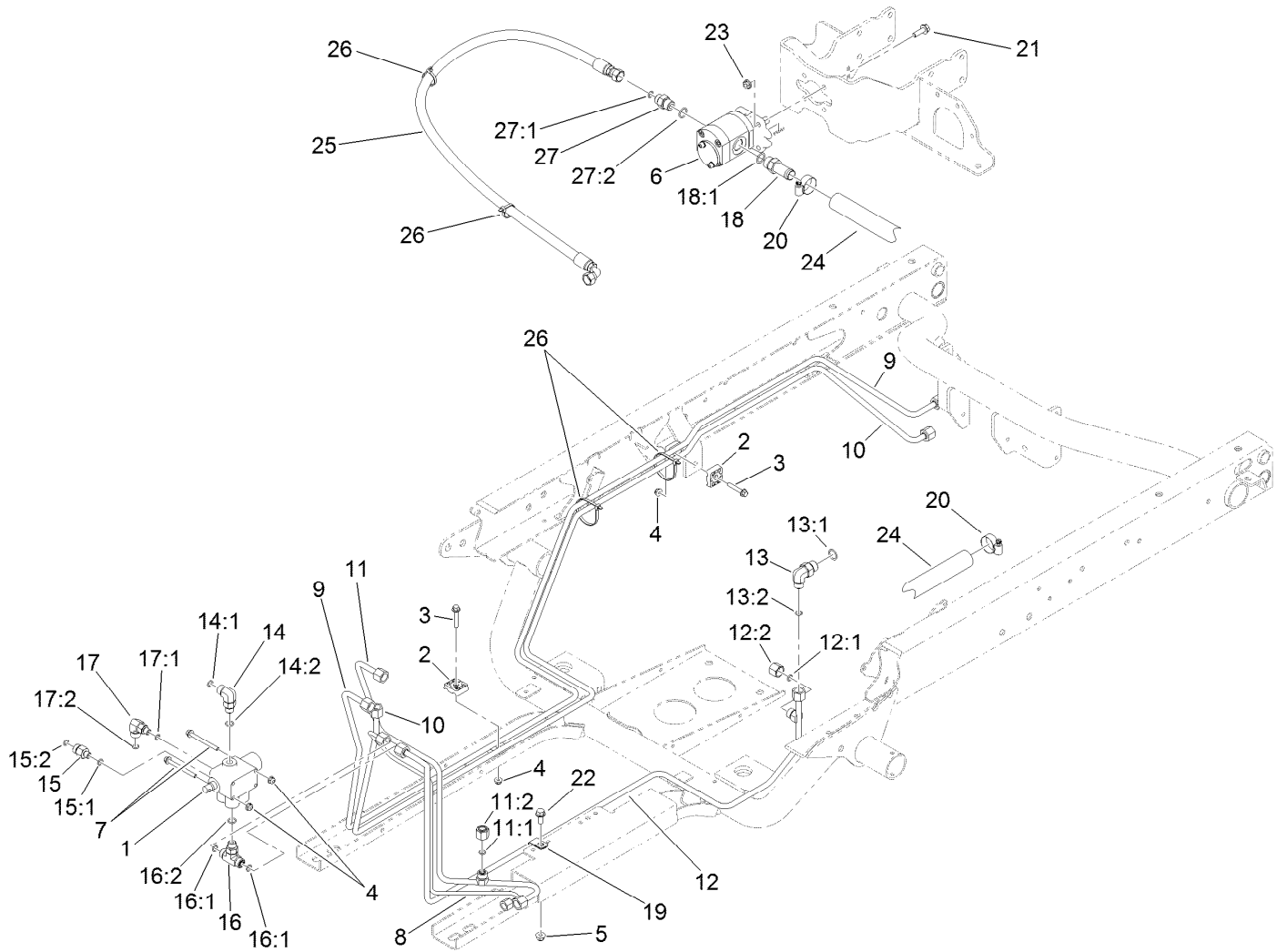
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 35          | 3234-5             | 2           | Screw-HHF          |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 40          | 353-397            | 1           | Reducer-Adapter    |
| 40:1        | 237-79             | 1           | O-Ring             |



## Hydraulic Cylinder Assembly No. 133-0620

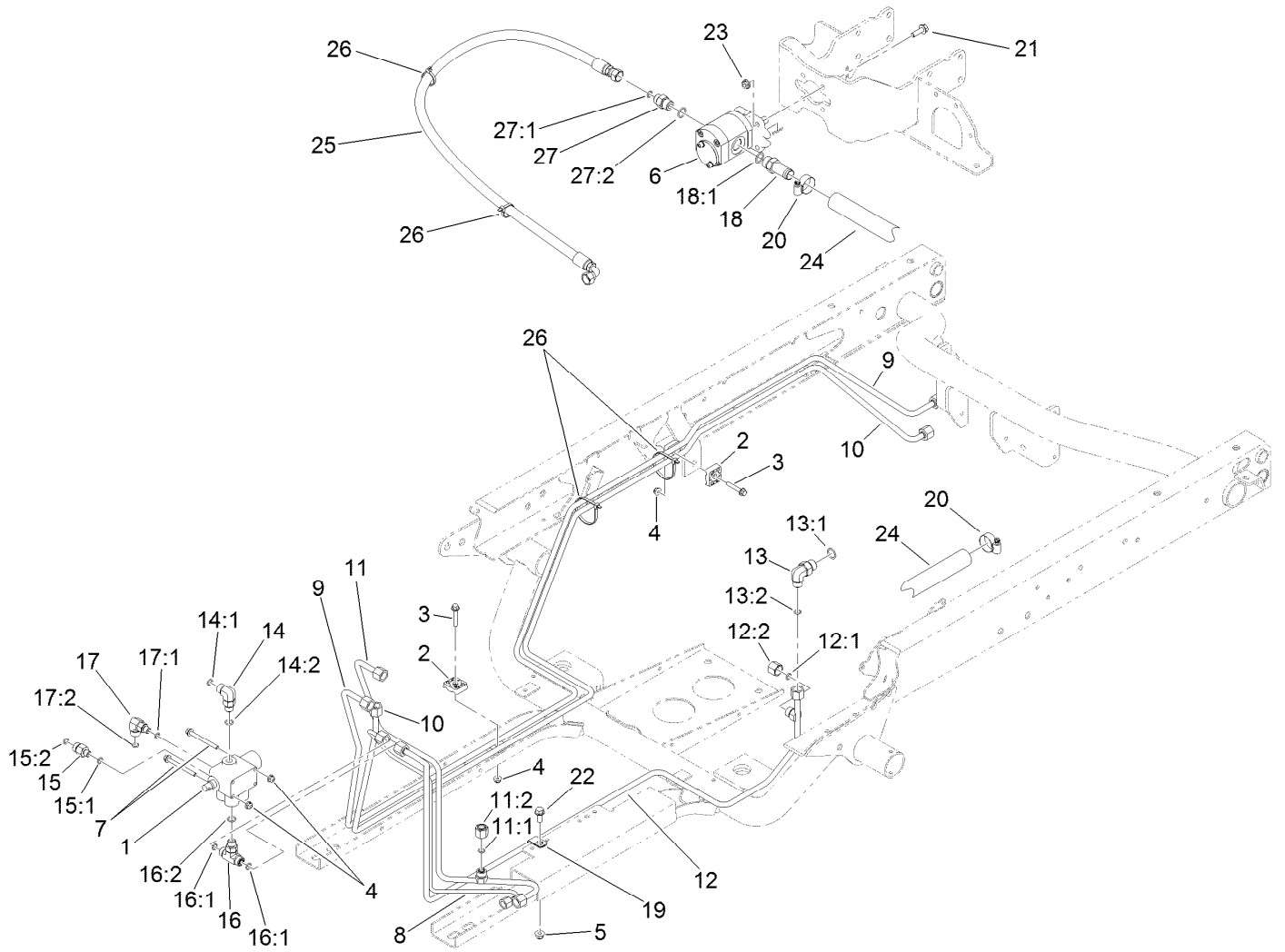
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 133-0618           | 1           | Cylinder Seal Kit  |
| 2           | 93-9852            | 1           | Decal-Warning      |



## Main Hydraulic Pump and Lift Valve Assembly

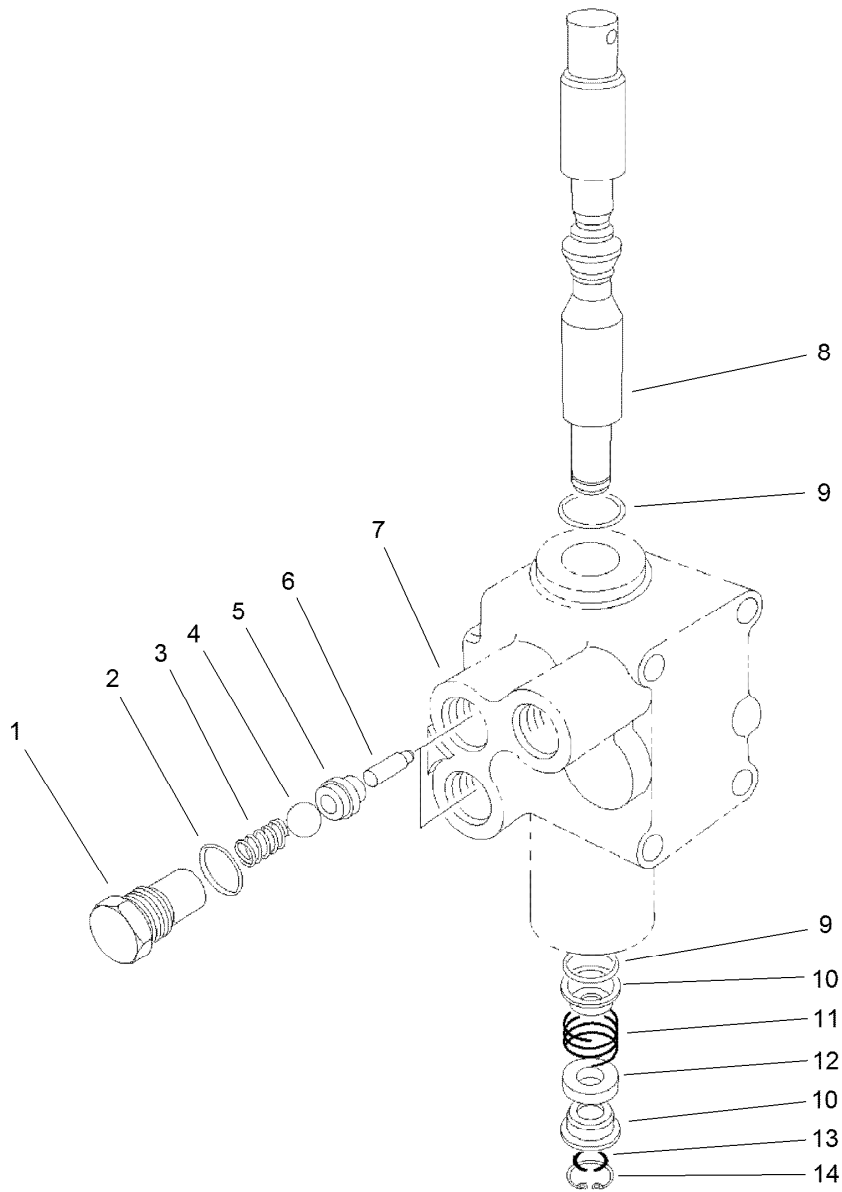
| Ref. | Part Number | Qty. | Description           | Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|------|-------------|------|-----------------------|
| 1    | 43-1950     | 1    | HYD Control Valve ASM | 14:2 | 237-42      | 1    | O-Ring                |
| 2    | 56-7973     | 4    | Clamp-Tube            | 15   | 340-88      | 1    | Fitting-Straight      |
| 3    | 94-5781     | 2    | Screw-HHF             | 15:1 | 237-22      | 1    | O-Ring                |
| 4    | 104-7201    | 4    | Nut-Flange, NI        | 15:2 | 237-78      | 1    | O-Ring                |
| 5    | 104-8300    | 1    | Nut-HF, NI            | 16   | 340-94      | 1    | Adapter               |
| 6    | 114-8302    | 1    | HYD Pump ASM          | 16:1 | 237-22      | 2    | O-Ring                |
| 7    | 114-8410    | 2    | Screw-HHF             | 16:2 | 237-42      | 1    | O-Ring                |
| 8    | 127-8605    | 1    | Tube-HYD              | 17   | 340-97      | 1    | Fitting-Elbow, 90 DEG |
| 9    | 115-2217    | 1    | Tube-HYD              | 17:1 | 237-22      | 1    | O-Ring                |
| 10   | 115-2218    | 1    | Tube-HYD              | 17:2 | 237-78      | 1    | O-Ring                |
| 11   | 127-8604    | 1    | Tube-HYD              | 18   | 354-136     | 1    | Fitting-STR           |
| 11:1 | 237-22      | 1    | O-Ring                | 18:1 | 237-80      | 1    | O-Ring                |
| 11:2 | 340-117     | 1    | Cap                   | 19   | 2412-113    | 1    | Clamp-R               |
| 12   | 127-8752    | 1    | Tube-HYD              | 20   | 2412-129    | 2    | Clamp-Hose            |
| 12:1 | 237-22      | 1    | O-Ring                | 21   | 3234-17     | 4    | Screw-HHF             |
| 12:2 | 340-117     | 1    | Cap                   | 22   | 3234-5      | 1    | Screw-HHF             |
| 13   | 340-18      | 1    | Fitting-HYD, 90 DEG   | 23   | 32128-20    | 4    | Nut-HF                |
| 13:1 | 237-79      | 1    | O-Ring                | 24   | 87-3670     | 1    | Hose-Suction          |
| 13:2 | 237-22      | 1    | O-Ring                | 25   | 121-6283    | 1    | Hose-HYD              |
| 14   | 340-77      | 1    | Fitting-Elbow, 90 DEG | 26   | 3290-379    | 4    | Tie-Cable             |
| 14:1 | 237-22      | 1    | O-Ring                | 27   | 340-3       | 1    | Fitting-Straight      |





## Main Hydraulic Pump and Lift Valve Assembly (continued)

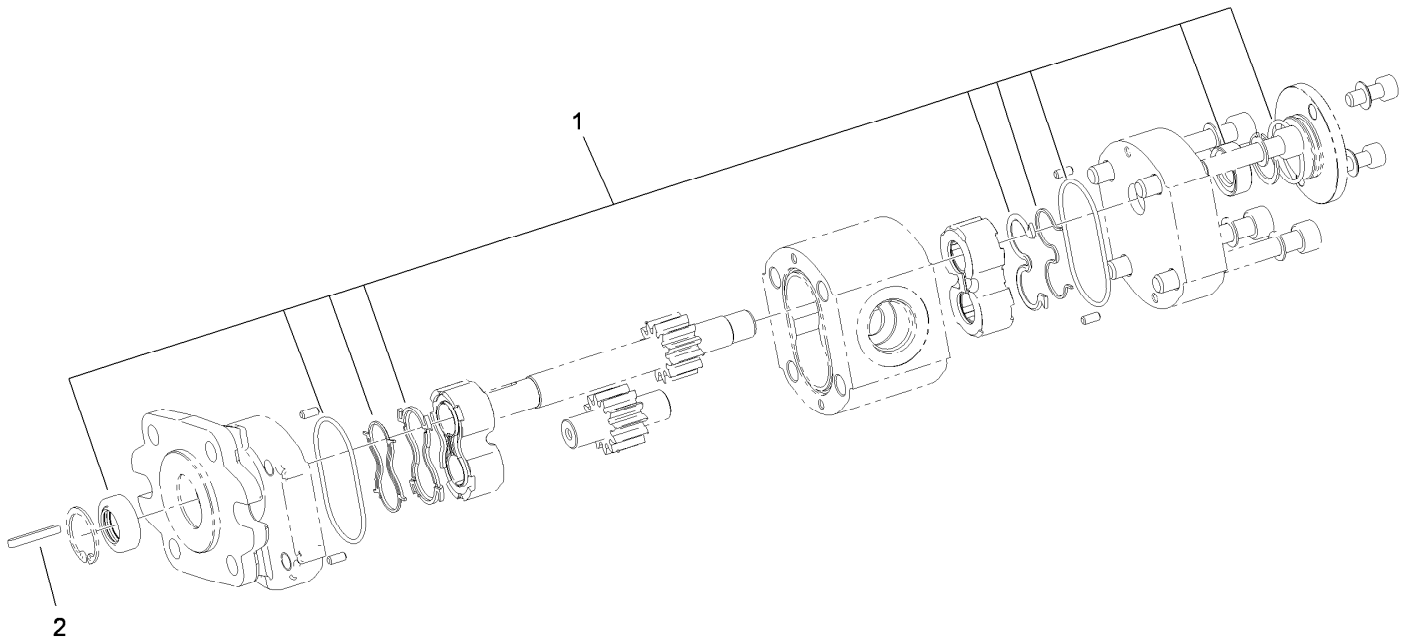
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 27:1        | 237-22             | 1           | O-Ring             |
| 27:2        | 237-79             | 1           | O-Ring             |



## Control Valve Assembly No. 43-1950

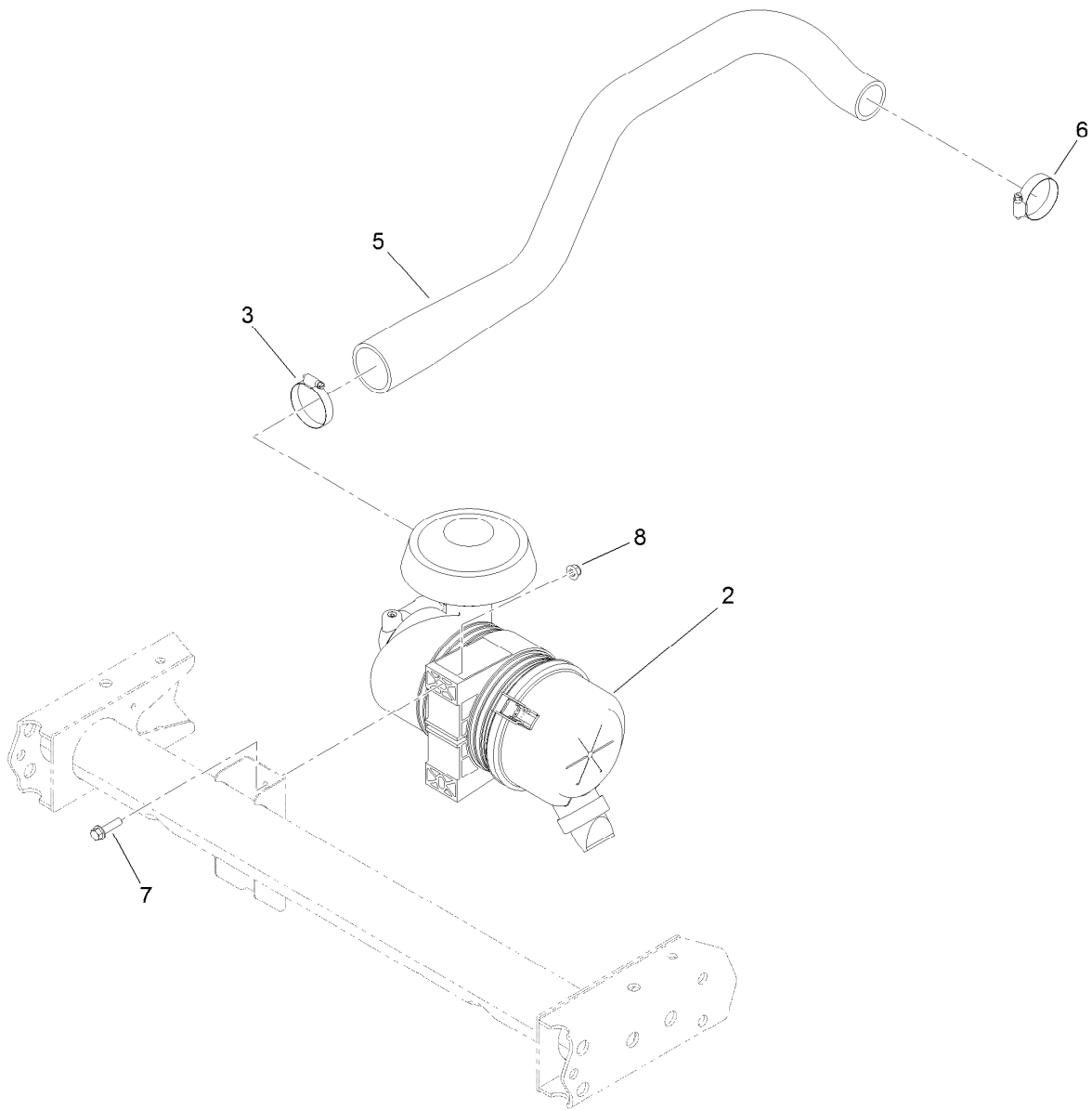
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 22-8330            | 2           | Plug               |
| 2           | 237-42             | 2           | O-Ring             |
| 3           | 22-8340            | 2           | Spring             |
| 4           | 22-8350            | 2           | Ball               |
| 5           | 22-8370            | 2           | Seat-Valve         |
| 6           | 22-8360            | 2           | Pin                |
| 7           |                    | 1           | Body ●             |
| 8           | 22-8420            | 1           | Spool              |
| 9           | 22-8500            | 2           | O-Ring             |
| 10          | 22-8380            | 2           | Retainer           |
| 11          | 22-8410            | 1           | Spring             |
| 12          | 23-3030            | 1           | Spacer             |
| 13          | 22-8480            | 1           | Ring-Snap          |
| 14          | 22-8490            | 1           | Ring-Snap          |

● Not serviced separately



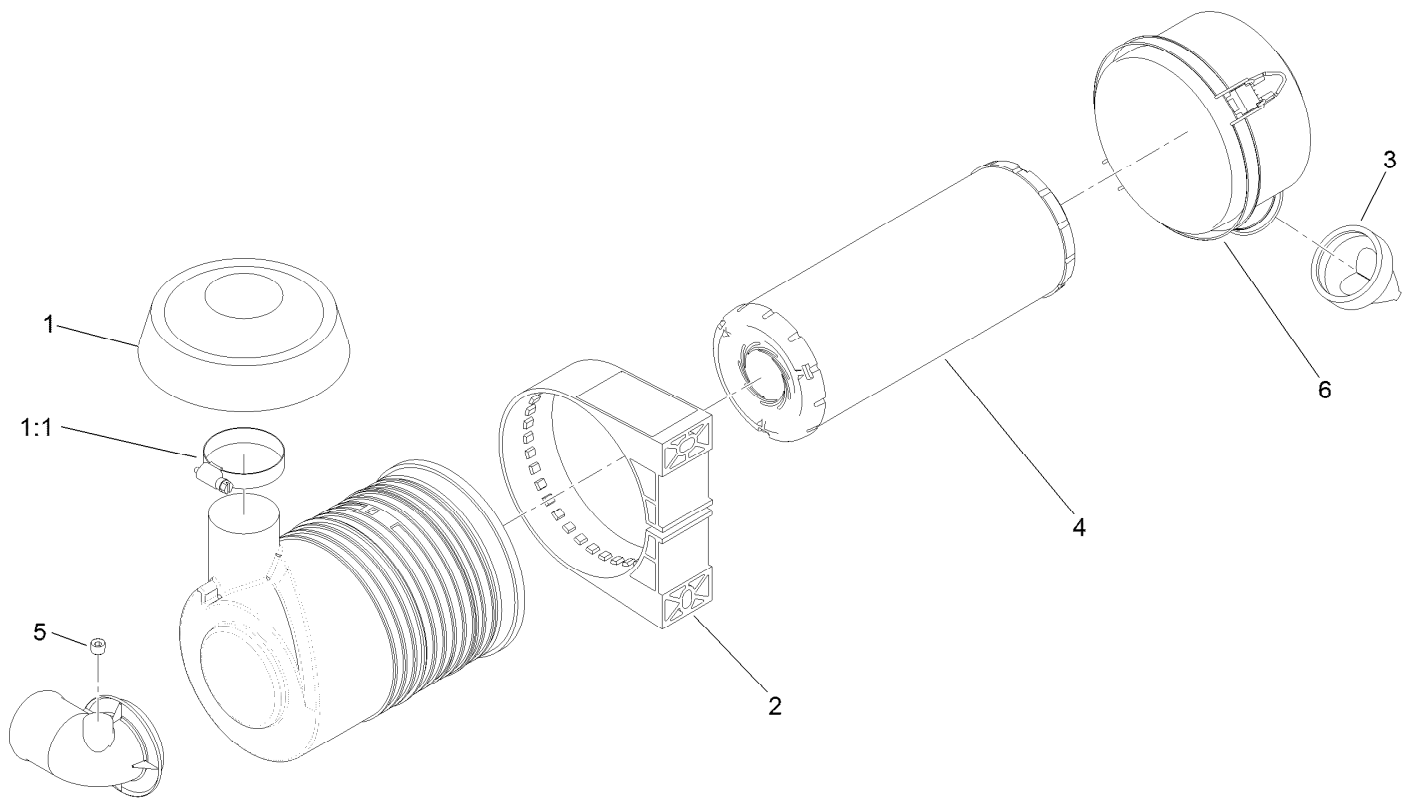
## Hydraulic Gear Pump Assembly No. 114-8302

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 115-8696           | 1           | Seal Kit           |
| 2           | 115-7855           | 1           | Key-Square         |



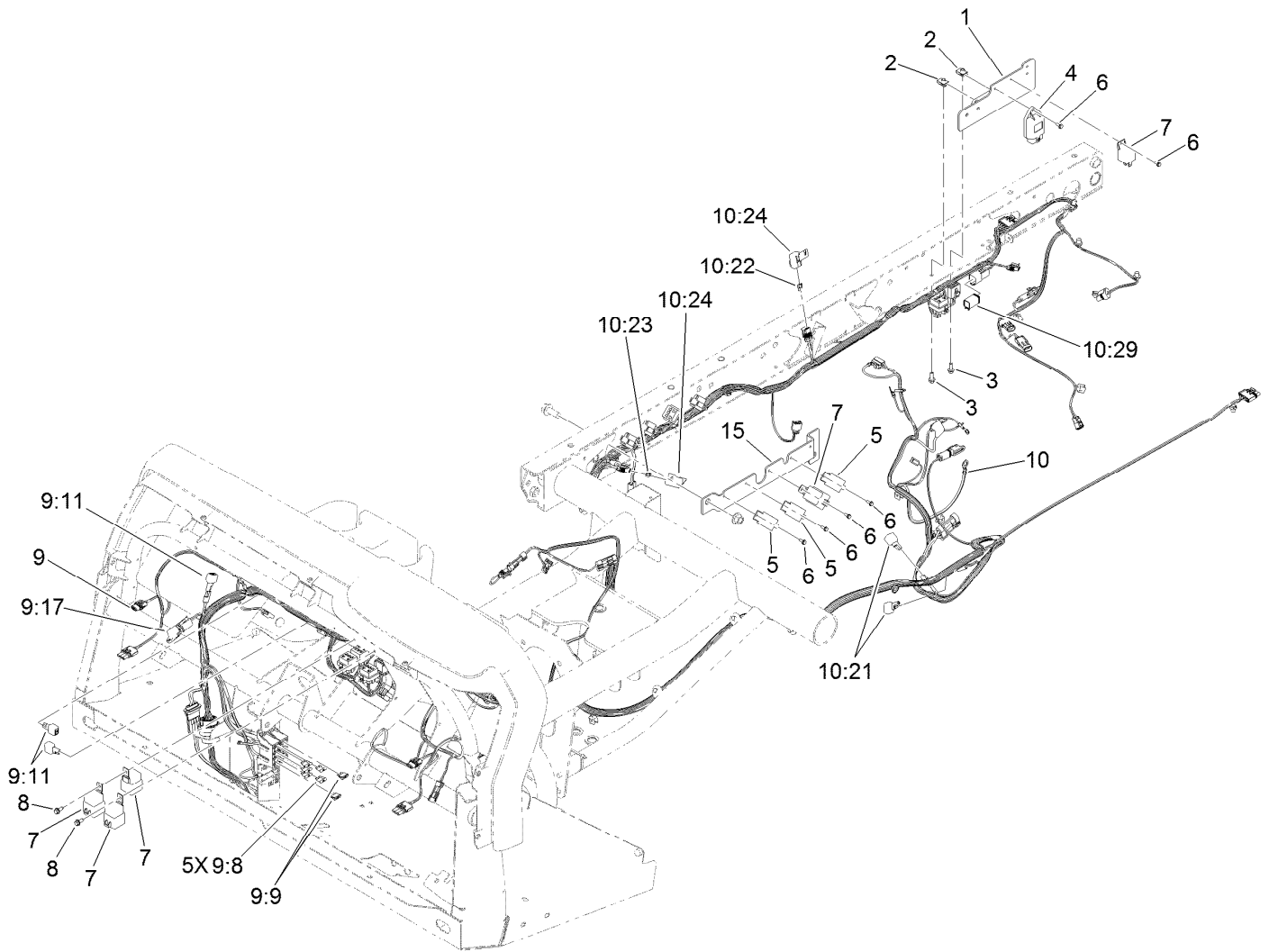
## Air Cleaner Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|---------------------------|
| 2           | 138-5650           | 1           | Air Cleaner ASM           |
| 3           | 2412-130           | 1           | Clamp-Hose                |
| 5           | 120-5097           | 1           | Hose-Intake, Air (Diesel) |
| 6           | 2412-3             | 1           | Clamp-Hose                |
| 7           | 3234-29            | 2           | Screw-HHF                 |
| 8           | 104-8300           | 2           | Nut-HF, NI                |



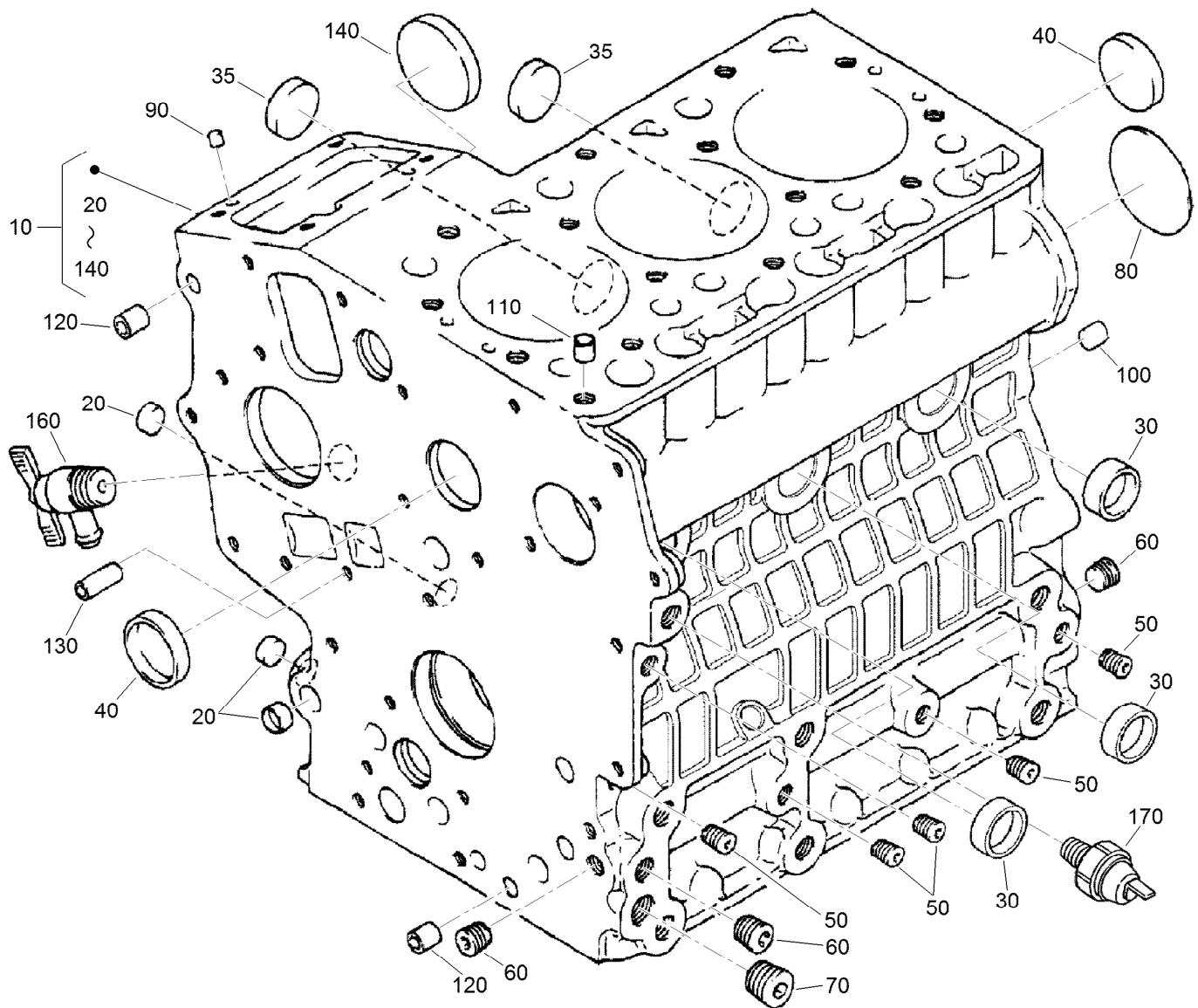
## Air Cleaner Assembly No. 138-5650

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 139-0686           | 1           | Rain Cap ASM         |
| 1:1         | 2412-130           | 1           | Clamp-Hose           |
| 2           | 98-4525            | 1           | Bracket-Cleaner, Air |
| 3           | 87-9400            | 1           | Valve-Vacuator       |
| 4           | 108-3810           | 1           | Filter-Air           |
| 5           | 285-17             | 1           | Plug-Pipe            |
| 6           | 98-9771            | 1           | Cover ASM            |



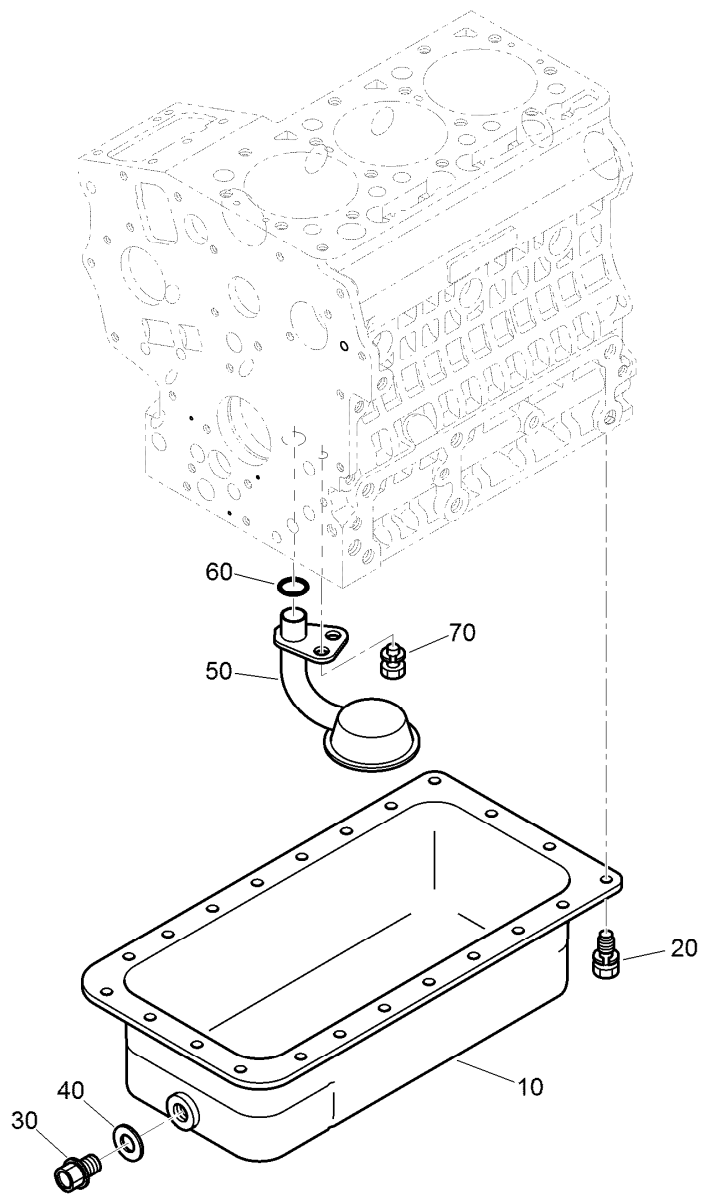
## Front and Rear Wire Harness Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 132-6714-0P        | 1           | Bracket-Mount, Filter | 9:9         | 109355             | 2           | Fuse-Blade, 15 Amp      |
| 2           | 107069             | 2           | Clip                  | 9:11        | 100-4918           | 3           | Diode                   |
| 3           | 3234-4             | 2           | Screw-HHF             | 9:17        | 32180-156          | 1           | Cap-Plug, 6 Way         |
| 4           | 98-7611            | 1           | Controller-Glow       | 10          | 122-2213           | 1           | Harness-Wire, Rear      |
| 5           | 99-7435            | 3           | Relay                 | 10:21       | 100-4918           | 2           | Diode                   |
| 6           | 32144-112          | 6           | Screw-HWH             | 10:22       | 121-8867           | 1           | Fuse-Mini Blade, 15 Amp |
| 7           | 99-7430            | 5           | Relay-Mini            | 10:23       | 121-8870           | 1           | Fuse-Mini Blade, 30 Amp |
| 8           | 32144-10           | 2           | Screw-HWH             | 10:24       | 32180-101          | 2           | Cover-Fuse, Single      |
| 9           | 122-2212           | 1           | Harness-Wire, Front   | 10:29       | 122-1131           | 1           | Capacitor-Sealed        |
| 9:8         | 218-578            | 5           | Fuse-Blade, 10 Amp    | 15          | 132-6713-0P        | 1           | Bracket-Mount, Relay    |



## Crankcase Assembly

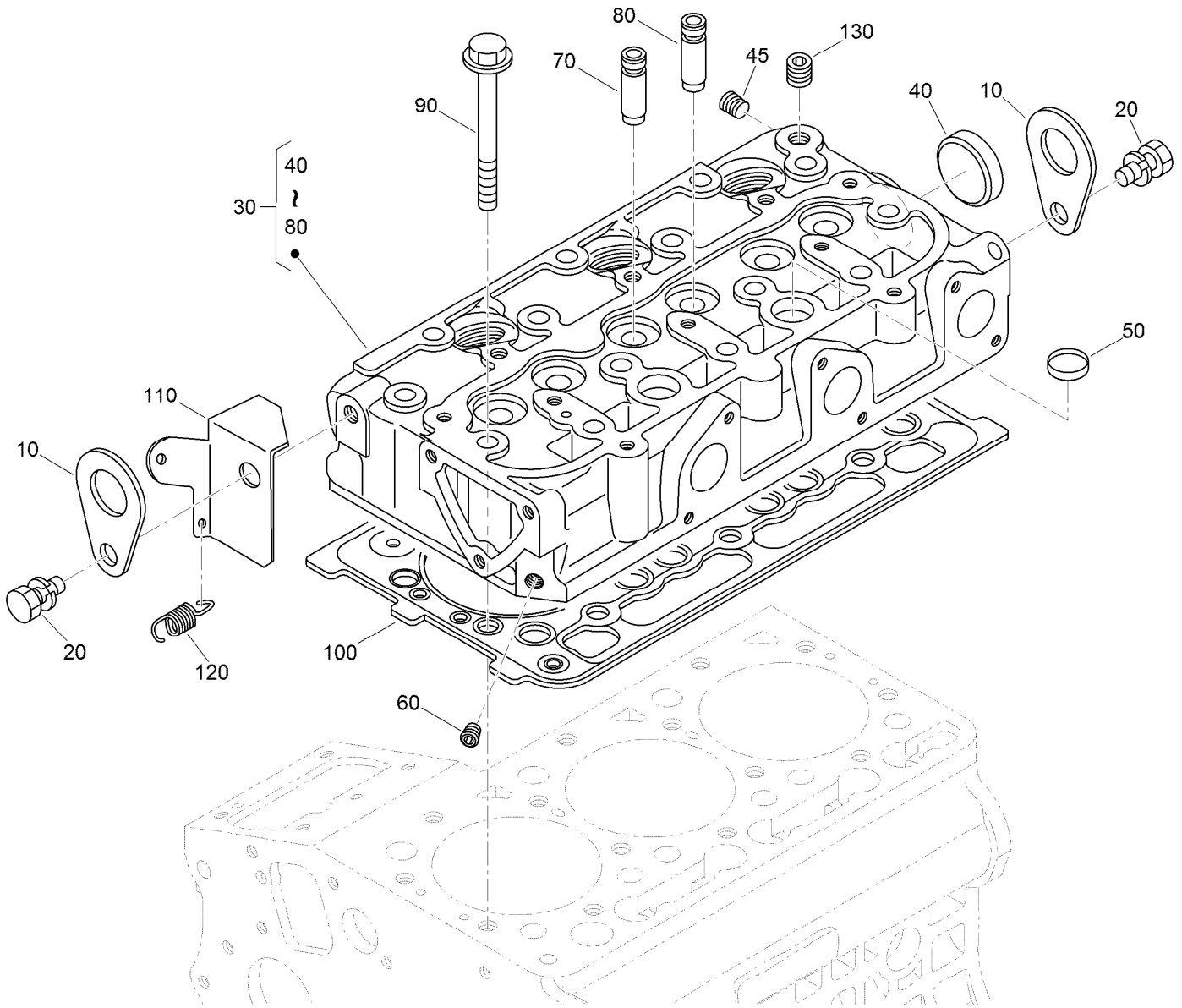
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|----------------------|
| 10          | 120-3120           | 1           | Crankcase ASM      | 90          | 98-9375            | 2           | Pin-Straight         |
| 20          | 100-2019           | 3           | Cap-Sealing        | 100         | 98-9377            | 2           | Pin-Straight         |
| 30          | 100-2020           | 3           | Cap-Sealing        | 110         | 98-7506            | 1           | Pin-Pipe             |
| 35          | 110-3702           | 2           | Cap-Sealing        | 120         | 100-2051           | 2           | Pin-Pipe             |
| 40          | 98-9398            | 2           | Cap-Sealing        | 130         | 100-2051           | 2           | Pin-Pipe             |
| 50          | 98-9687            | 5           | Plug               | 140         | 100-1991           | 1           | Cover-Fuel, Camshaft |
| 60          | 98-7487            | 3           | Plug               | 160         | 120-3121           | 1           | Draincock ASM        |
| 70          | 98-7488            | 1           | Plug               | 170         | 98-9416            | 1           | Switch-Oil           |
| 80          | 100-1851           | 1           | Plug-Expansion     |             |                    |             |                      |



## Oil Pan Assembly

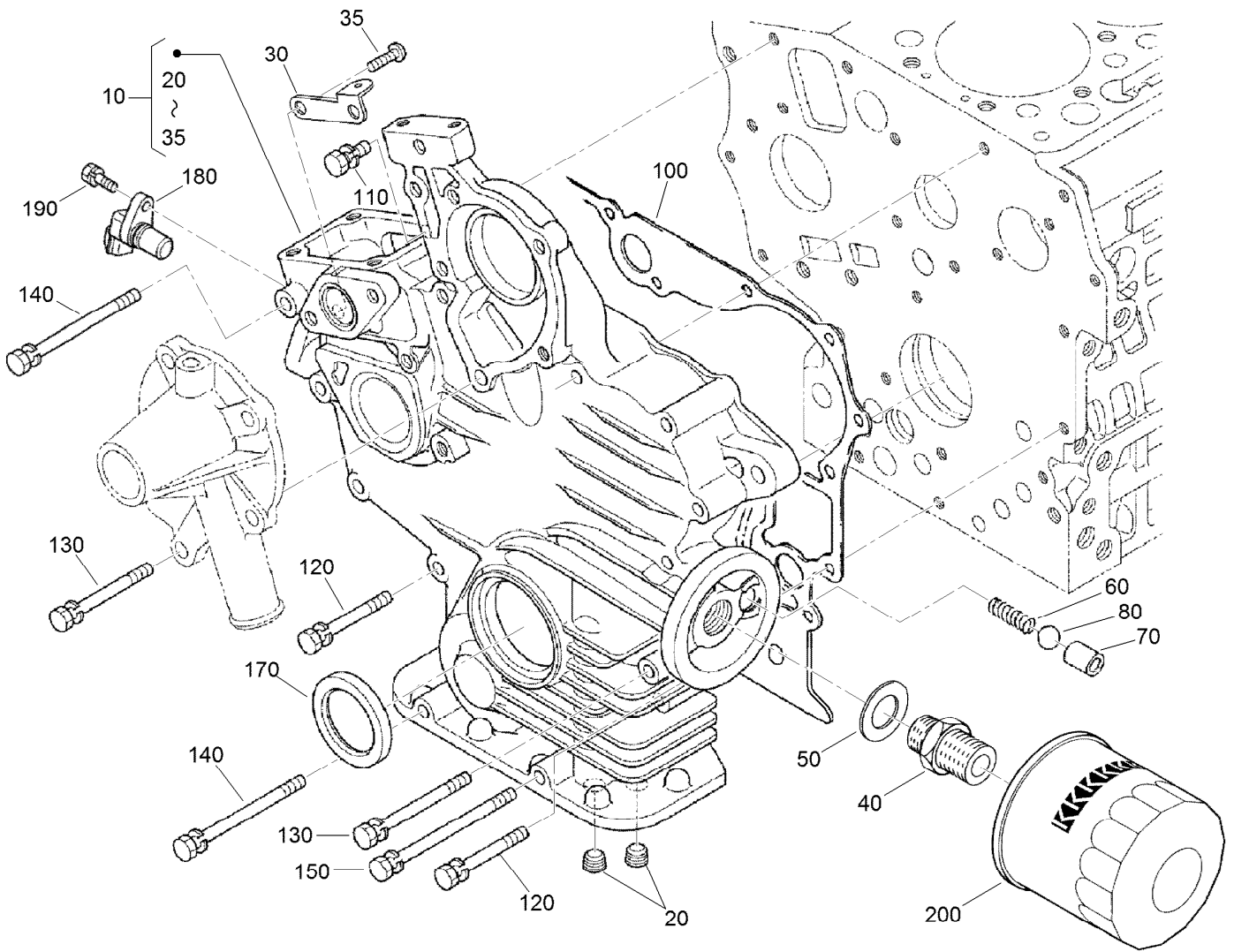
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 125-9056           | 1           | Oil Pan ASM        |
| 20          | 98-9350            | 22          | Bolt               |
| 30          | 114-8151           | 1           | Plug-Drain         |
| 40          | 98-7524            | 1           | Gasket             |
| 50          | 125-9052           | 1           | Tube-Pick Up, Oil  |
| 60          | 105-3776           | 1           | O-Ring             |
| 70          | 100-9195           | 1           | Bolt               |





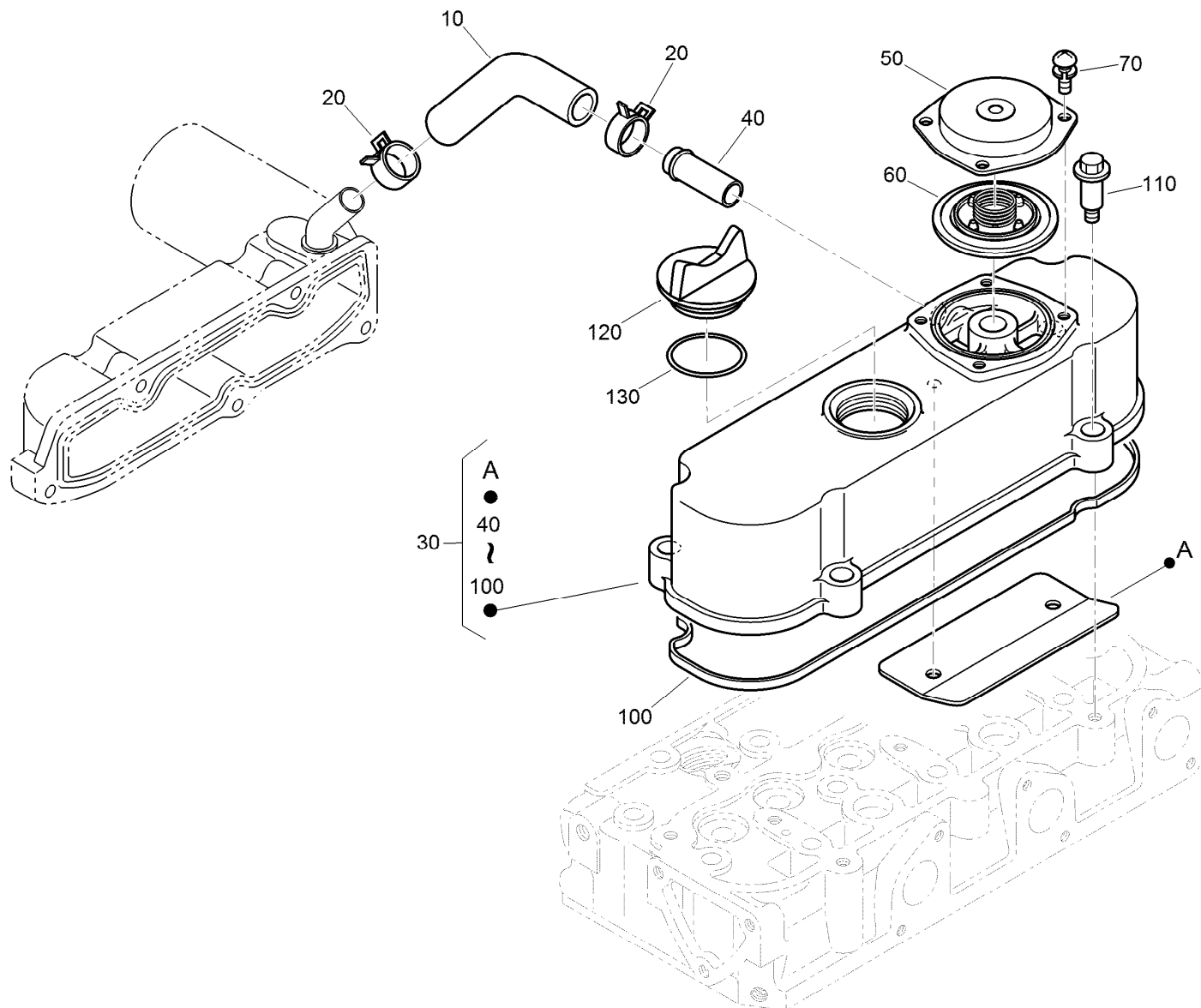
## Cylinder Head Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 98-7531     | 2    | Hook-Engine           |
| 20   | 98-7526     | 2    | Bolt                  |
| 30   | 130-1533    | 1    | Cylinder Head ASM     |
| 40   | 105-3705    | 1    | Cap-Sealing           |
| 45   | 125-9062    | 1    | Plug                  |
| 50   | 98-9389     | 2    | Cap-Sealing           |
| 60   | 98-9687     | 1    | Plug                  |
| 70   | 100-1882    | 3    | Guide-Valve, Inlet    |
| 80   | 100-1883    | 3    | Guide-Valve, Exhaust  |
| 90   | 100-1820    | 14   | Bolt-Head, Cylinder   |
| 100  | 112-2520    | 1    | Gasket-Head, Cylinder |
| 110  | 121-3810    | 1    | Stay                  |
| 120  | 121-3820    | 1    | Spring-Return         |
| 130  | 98-9444     | 1    | Plug                  |



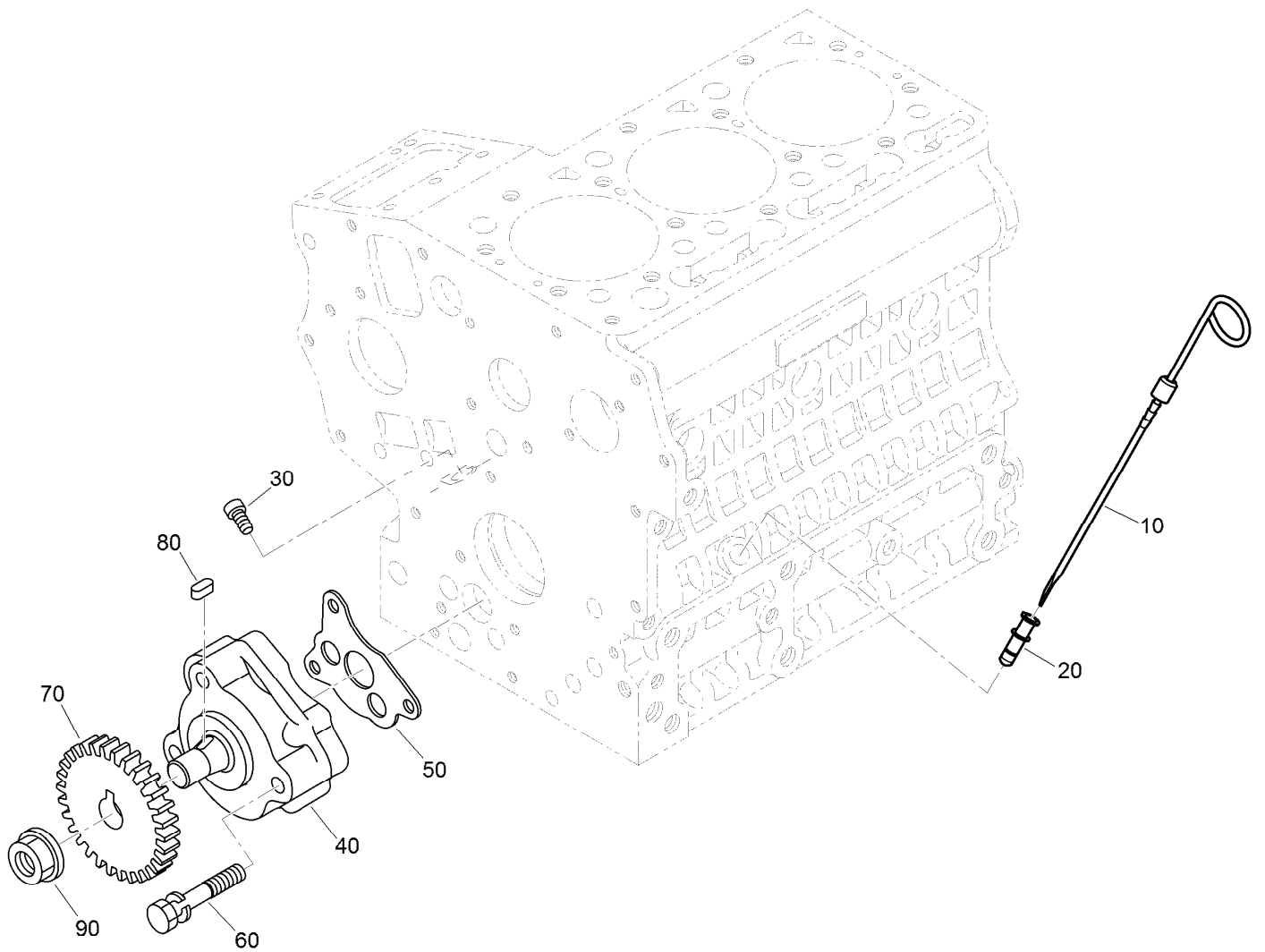
## Gear Case and Oil Filter Cartridge Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 10          | 125-9057           | 1           | Gear Case ASM      | 110         | 127-0403           | 1           | Bolt-Flange        |
| 20          | 98-7488            | 2           | Plug               | 120         | 125-9063           | 9           | Bolt-Sems          |
| 30          | 110-3708           | 1           | Stay-Spring, Start | 130         | 100-1922           | 2           | Bolt               |
| 35          | 100-2040           | 2           | Screw              | 140         | 98-9357            | 2           | Bolt               |
| 40          | 98-9388            | 1           | Joint-Pipe         | 150         | 110-3710           | 1           | Bolt               |
| 50          | 100-1926           | 1           | Washer-Plain       | 170         | 120-7852           | 1           | Seal-Oil           |
| 60          | 100-2004           | 1           | Spring             | 180         | 125-9058           | 1           | Sensor-Revolution  |
| 70          | 100-1894           | 1           | Seat-Valve         | 190         | 98-7692            | 1           | Bolt               |
| 80          | 100-1792           | 1           | Ball               | 200         | 115-8189           | 1           | Filter-Oil, Engine |
| 100         | 117-0327           | 1           | Gasket-Case, Gear  |             |                    |             |                    |



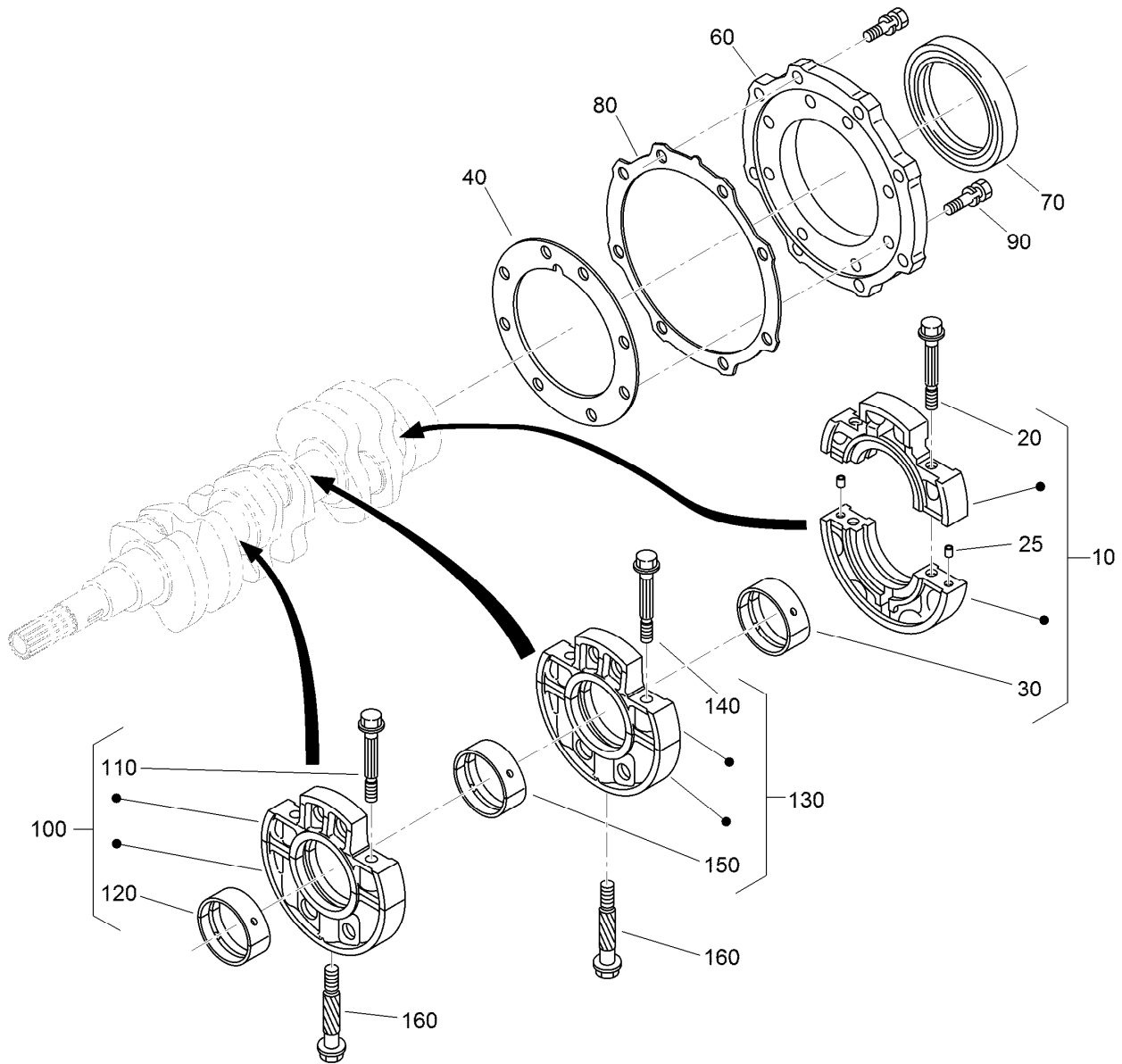
## Cylinder Head Cover Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 120-3139    | 1    | Tube-Breather           |
| 20   | 110-3712    | 2    | Clamp-Hose              |
| 30   | 112-8332    | 1    | Cylinder Head Cover ASM |
| 40   | 98-9580     | 1    | Pipe-Return, Water      |
| 50   | 110-3714    | 1    | Cover-Breather          |
| 60   | 110-3715    | 1    | Valve-Breather          |
| 70   | 98-9364     | 4    | Screw (With Washer)     |
| 100  | 112-2521    | 1    | Gasket-Cover, Head      |
| 110  | 108-7063    | 4    | Bolt                    |
| 120  | 107-9075    | 1    | Plug-Filler, Oil        |
| 130  | 99-3446     | 1    | O-Ring                  |



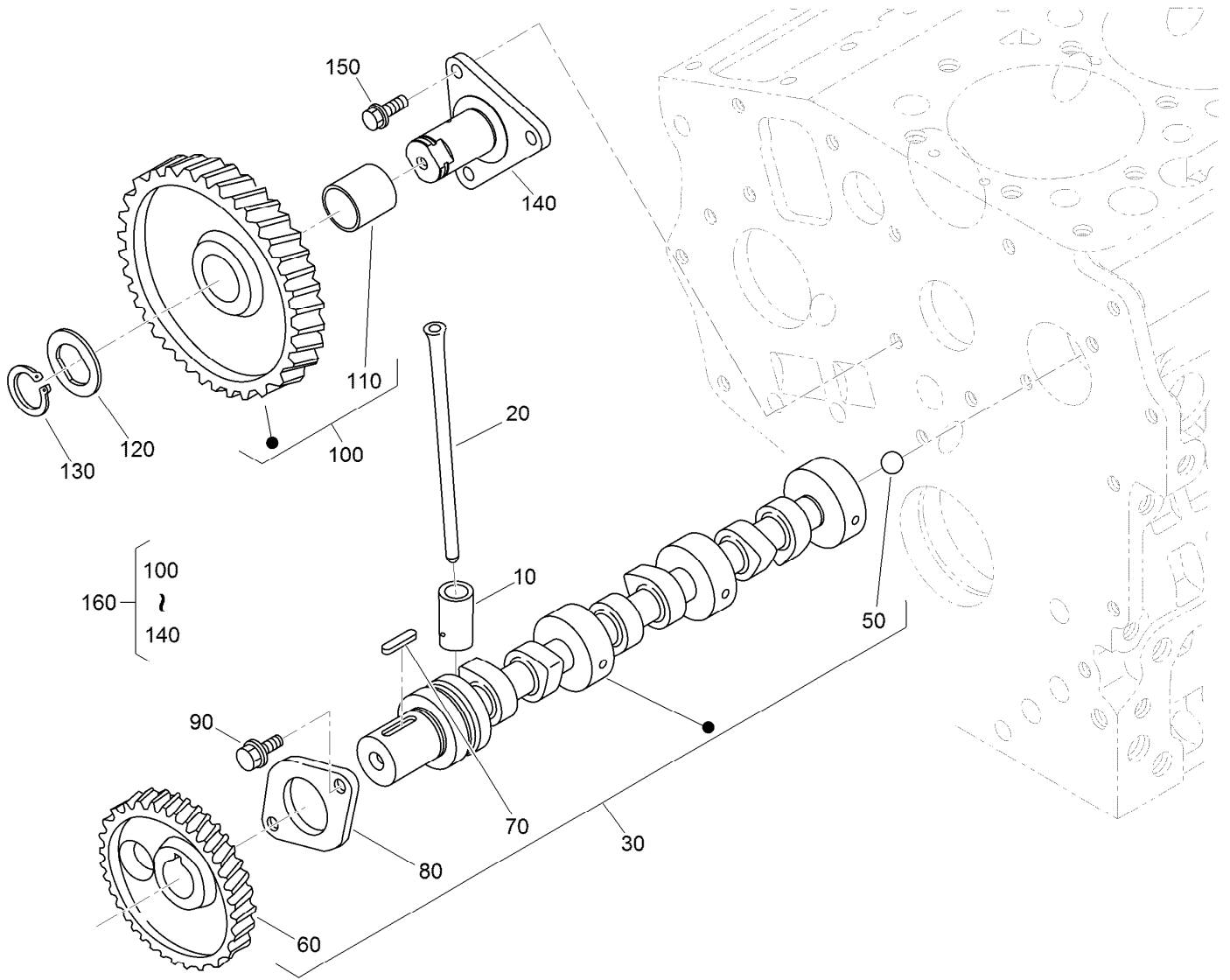
## Oil Pump and Dipstick Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 110-3719    | 1    | Gauge-Oil            |
| 20   | 105-4580    | 1    | Guide-Gauge, Oil     |
| 30   | 110-3720    | 1    | Plug-Gauge, Oil      |
| 40   | 100-2002    | 1    | Oil Pump ASM         |
| 50   | 100-2003    | 1    | Gasket-Pump, Oil     |
| 60   | 100-1923    | 3    | Bolt                 |
| 70   | 130-1419    | 1    | Gear-Drive, Oil Pump |
| 80   | 98-7658     | 1    | Key-Feather          |
| 90   | 100-1779    | 1    | Nut-Flange           |



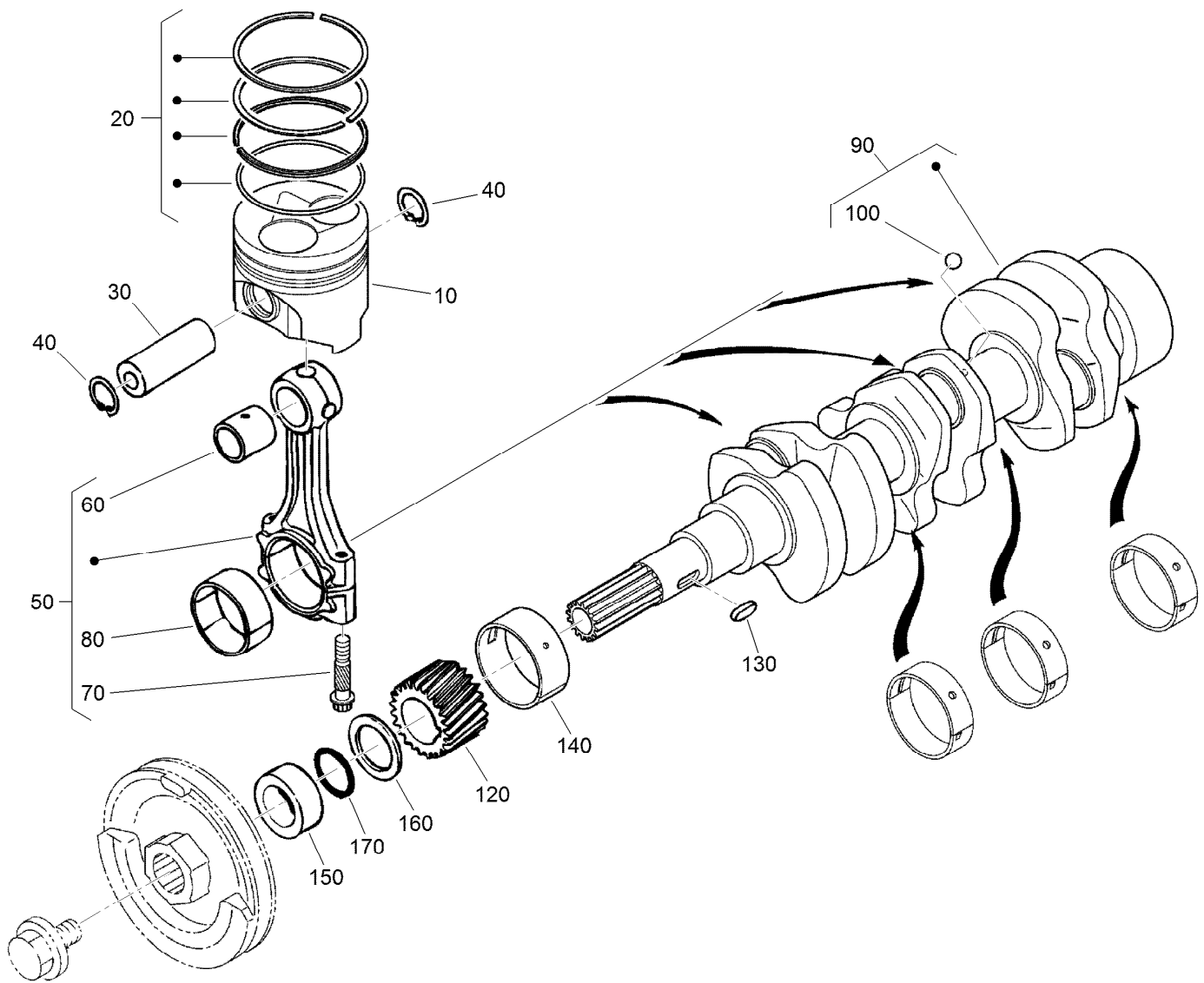
## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description                    | Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|------|-------------|------|--------------------------------|
| 10   | 125-9064    | 1    | Wheel Bearing Case ASM         | 120  | 110-3741    | 1    | Crankshaft Metal ASM (STD)     |
| 20   | 125-9065    | 2    | Bolt-Flange                    | 120  | 125-9083    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 25   | 125-9082    | 2    | Pin-Straight                   | 120  | 110-3743    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 30   | 125-9066    | 1    | Crankshaft Metal ASM (STD)     | 130  | 125-9069    | 1    | Main Case Bearing ASM          |
| 30   | 125-9067    | 1    | Crankshaft Metal ASM (-0.20Mm) | 140  | 110-3723    | 2    | Bolt-Case, Bearing             |
| 30   | 125-9068    | 1    | Crankshaft Metal ASM (-0.40Mm) | 150  | 110-3741    | 1    | Crankshaft Metal ASM (STD)     |
| 40   | 117-0304    | 1    | Gasket-Case, Bearing           | 150  | 125-9083    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 60   | 112-8334    | 1    | Cover-Case, Bearing            | 150  | 110-3743    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 70   | 110-3724    | 1    | Seal-Oil                       | 160  | 100-1874    | 2    | Bolt-Case, Bearing             |
| 80   | 100-1876    | 1    | Gasket-Cover, Case             |      |             |      |                                |
| 90   | 100-1750    | 16   | Bolt                           |      |             |      |                                |
| 100  | 110-3725    | 1    | Main Bearing Case ASM          |      |             |      |                                |
| 110  | 110-3723    | 2    | Bolt-Case, Bearing             |      |             |      |                                |



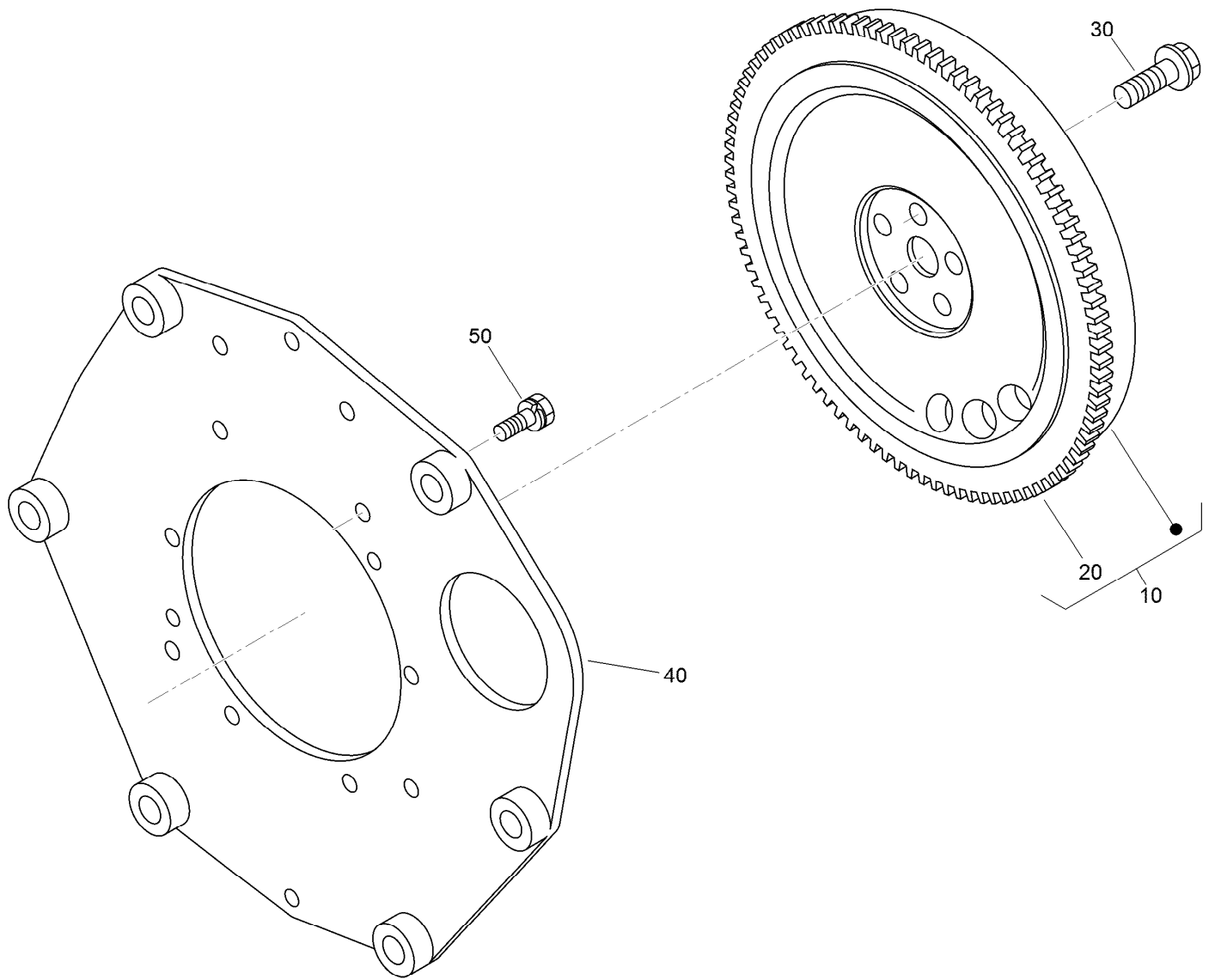
## Camshaft and Idle Gear Shaft Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 110-3727    | 6    | Tappet            |
| 20   | 100-1989    | 6    | Rod-Push          |
| 30   | 117-0305    | 1    | Camshaft ASM      |
| 50   | 110-3729    | 1    | Ball              |
| 60   | 130-1534    | 1    | Gear-Cam          |
| 70   | 98-9378     | 1    | Key-Feather       |
| 80   | 100-1887    | 1    | Stopper-Camshaft  |
| 90   | 98-9350     | 2    | Bolt              |
| 100  | 121-2421    | 1    | Idle Gear ASM     |
| 110  | 121-2422    | 1    | Bushing           |
| 120  | 100-1970    | 1    | Collar-Gear, Idle |
| 130  | 100-1969    | 1    | Ring-Snap         |
| 140  | 100-1967    | 1    | Shaft-Gear, Idle  |
| 150  | 100-1774    | 3    | Bolt-Flange       |
| 160  | 100-2240    | 1    | Idle Gear ASM     |



## Piston and Crankshaft Assembly

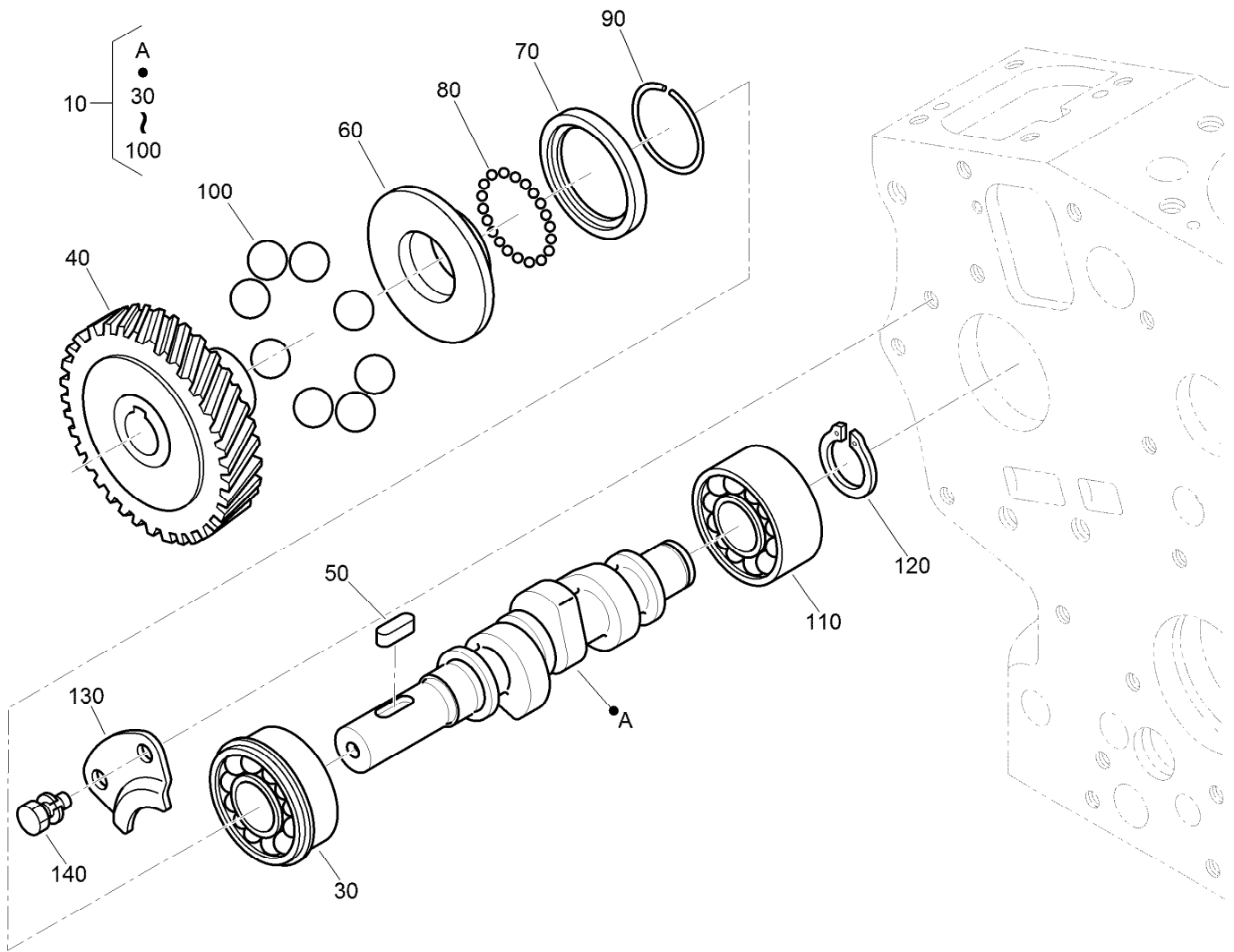
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|---------------------------|
| 10          | 130-1537           | 3           | Piston                  | 80          | 121-2420           | 3           | Metal-Crankpin (-.40Mm)   |
| 10          | 130-1540           | 3           | Piston                  | 90          | 117-0308           | 1           | Crankshaft                |
| 20          | 130-1535           | 3           | Piston Ring ASM         | 100         | 100-1791           | 3           | Ball                      |
| 20          | 130-1536           | 3           | Piston Ring ASM         | 120         | 100-1891           | 1           | Gear-Crankshaft           |
| 30          | 110-3734           | 3           | Pin-Piston              | 130         | 100-1752           | 1           | Key-Feather               |
| 40          | 100-1835           | 6           | Circlip-Internal        | 140         | 110-3738           | 1           | Metal-Crankshaft (STD)    |
| 50          | 125-9070           | 3           | Connecting Rod ASM      | 140         | 121-2424           | 1           | Metal-Crankshaft (-.20Mm) |
| 60          | 110-3736           | 3           | Bushing-Pin, Piston     | 140         | 121-2425           | 1           | Metal-Crankshaft (-.40Mm) |
| 70          | 100-1999           | 6           | Bolt-Rod, Connecting    | 150         | 100-1890           | 1           | Collar-Crankshaft         |
| 80          | 100-2000           | 6           | Metal-Crankpin (STD)    | 160         | 100-1974           | 1           | Slinger-Oil               |
| 80          | 121-3849           | 3           | Metal-Crankpin (-.20Mm) | 170         | 100-2209           | 1           | O-Ring                    |



## Flywheel Assembly

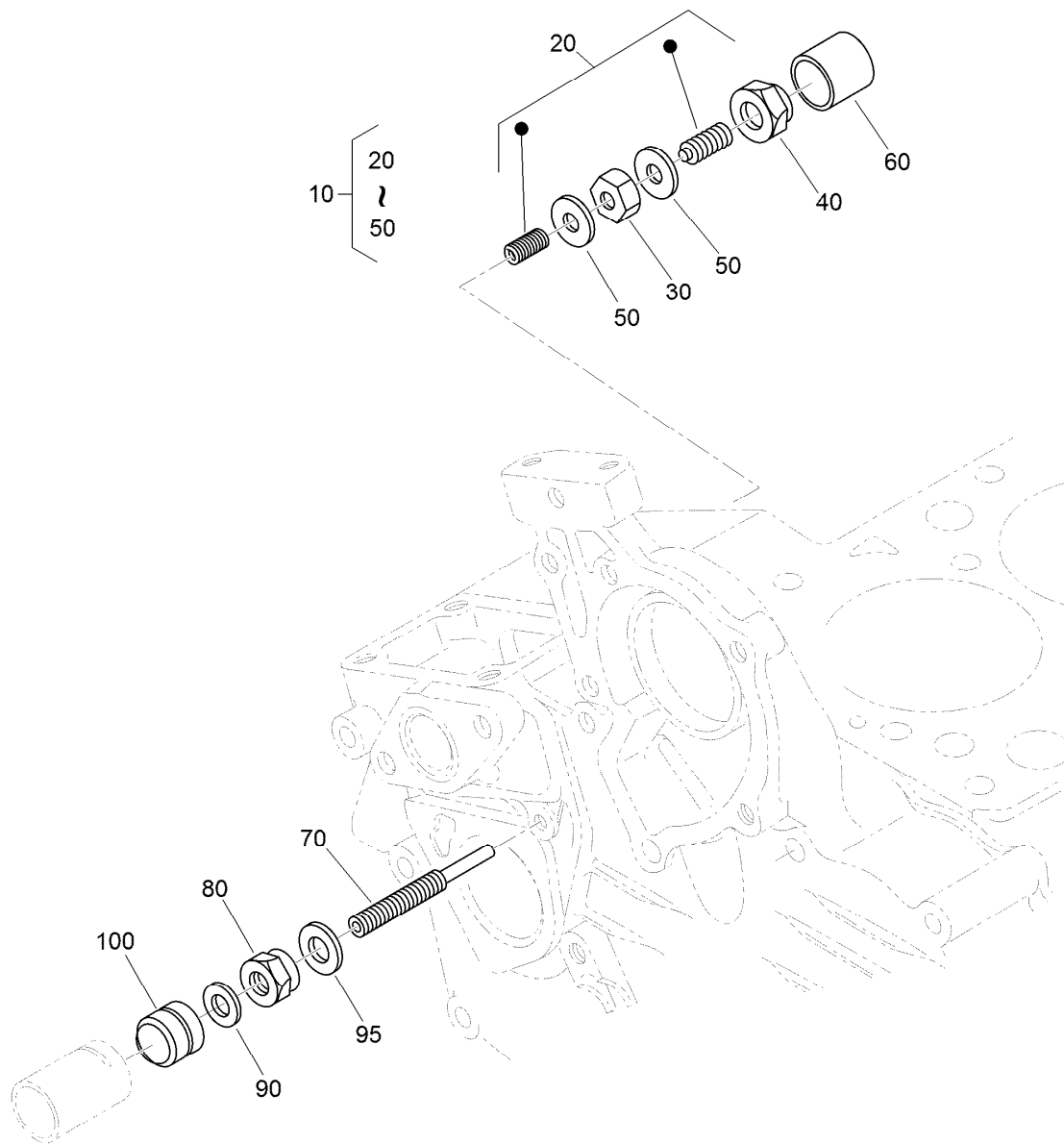
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 125-9054           | 1           | Flywheel ASM       |
| 20          | 105-3722           | 1           | Gear-Ring          |
| 30          | 125-9051           | 5           | Bolt-Flywheel      |
| 40          | 125-9053           | 1           | Plate-Rear End     |
| 50          | 110-3754           | 10          | Bolt               |





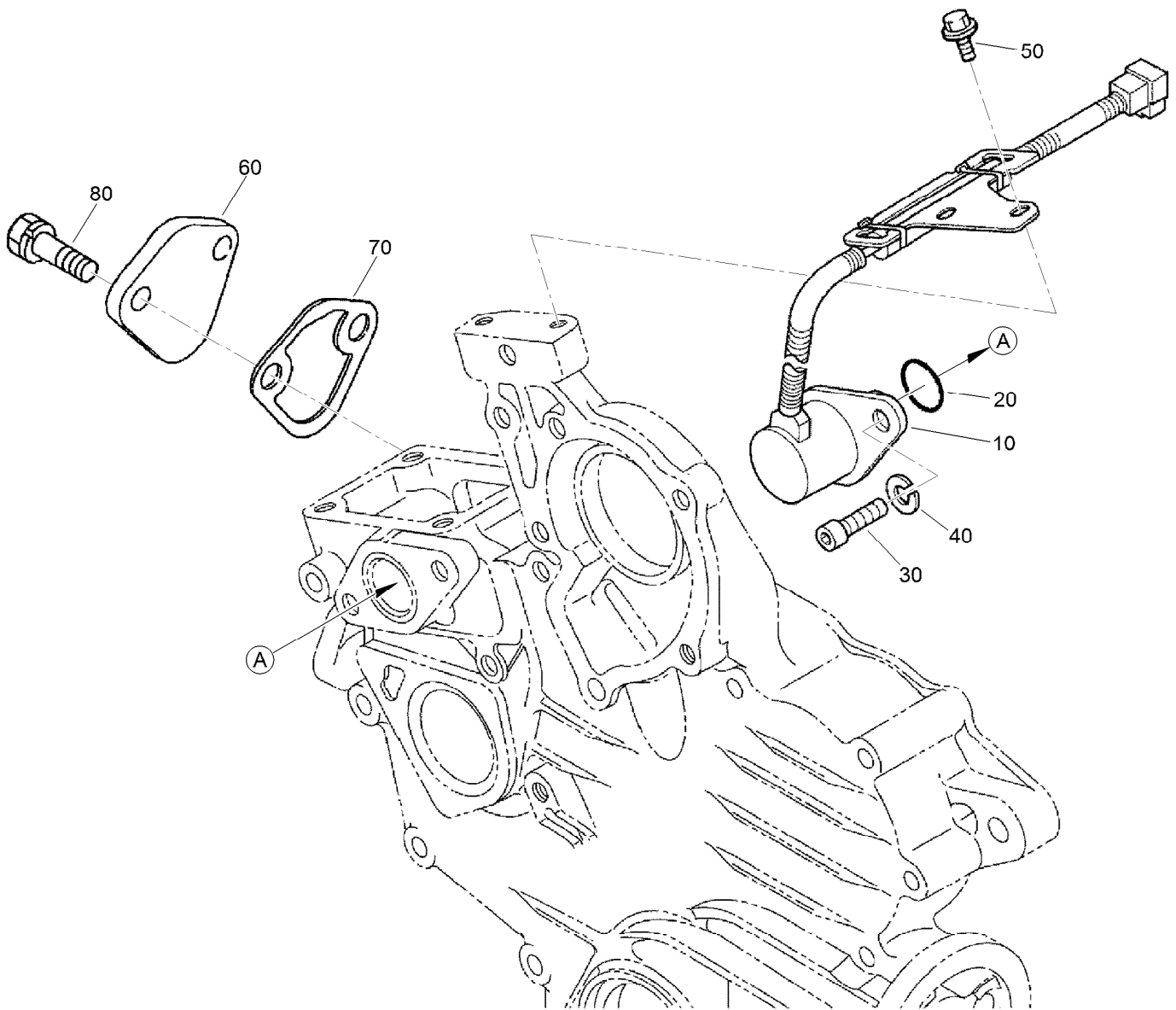
## Fuel Camshaft Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 125-9075    | 1    | Fuel Camshaft ASM      |
| 30   | 100-1795    | 1    | Bearing-Ball           |
| 40   | 100-2006    | 1    | Gear-Pump, Injection   |
| 50   | 100-1752    | 1    | Key-Feather            |
| 60   | 112-8336    | 1    | Sleeve-Governor        |
| 70   | 100-1904    | 1    | Case-Ball, Governor    |
| 80   | 100-1790    | 32   | Ball                   |
| 90   | 100-1843    | 1    | Circ-Clip              |
| 100  | 100-1793    | 8    | Ball                   |
| 110  | 110-3757    | 1    | Bearing-Ball           |
| 120  | 100-1784    | 1    | Circ-Clip, External    |
| 130  | 100-1888    | 1    | Stopper-Fuel, Camshaft |
| 140  | 98-9350     | 2    | Bolt                   |



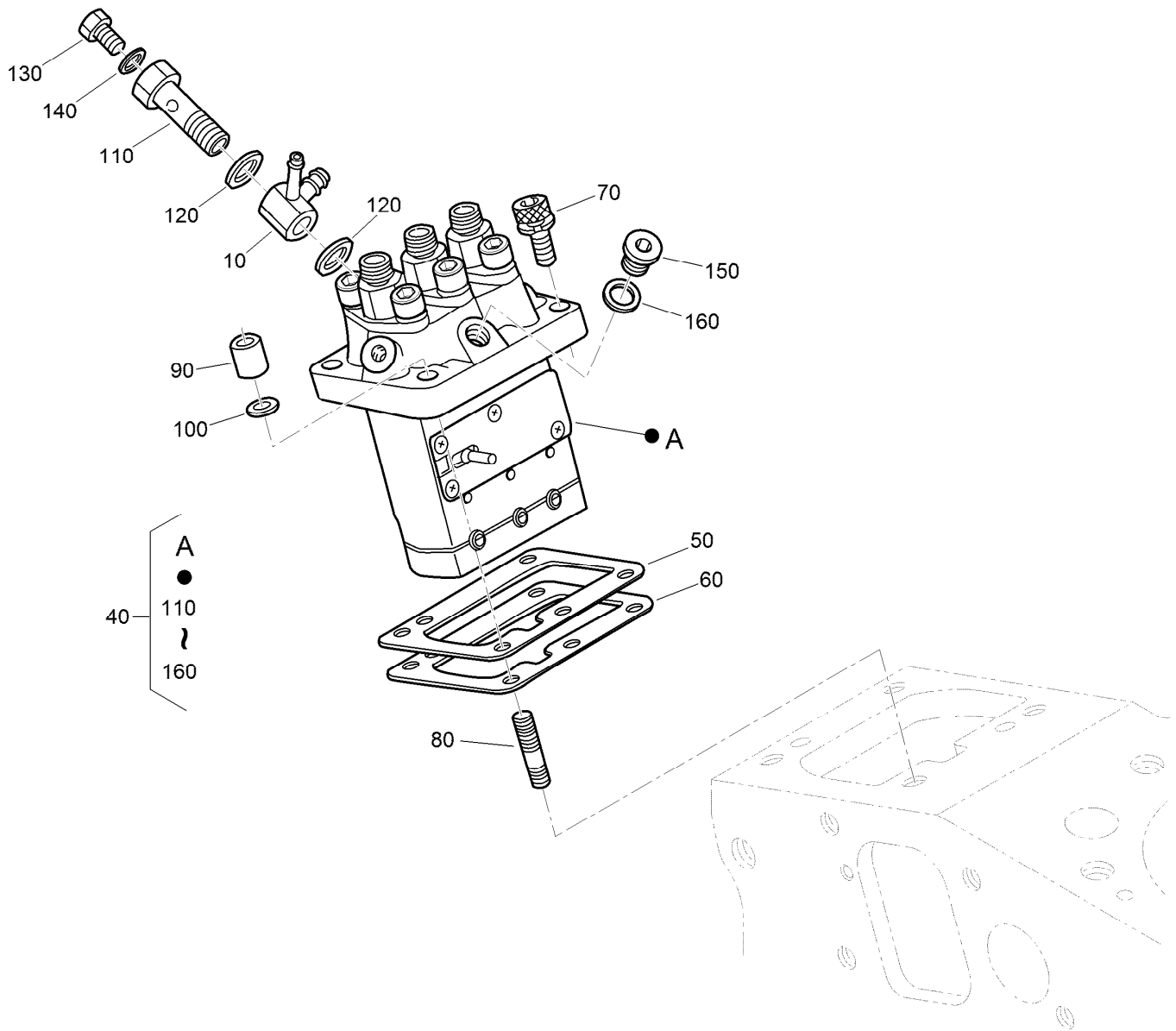
## Idle Apparatus Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 100-1898           | 1           | Idle Apparatus ASM |
| 20          | 100-1899           | 1           | Adjusting Bolt ASM |
| 30          | 100-1846           | 1           | Nut                |
| 40          | 100-1901           | 1           | Nut-Cap            |
| 50          | 98-7428            | 2           | Gasket             |
| 60          | 100-1902           | 1           | Cap                |
| 70          | 110-3758           | 1           | Bolt-Adjusting     |
| 80          | 100-2175           | 1           | Nut-Lock           |
| 90          | 98-7654            | 1           | Gasket             |
| 95          | 107-9081           | 1           | Gasket             |
| 100         | 99-8387            | 1           | Nut-Cap            |



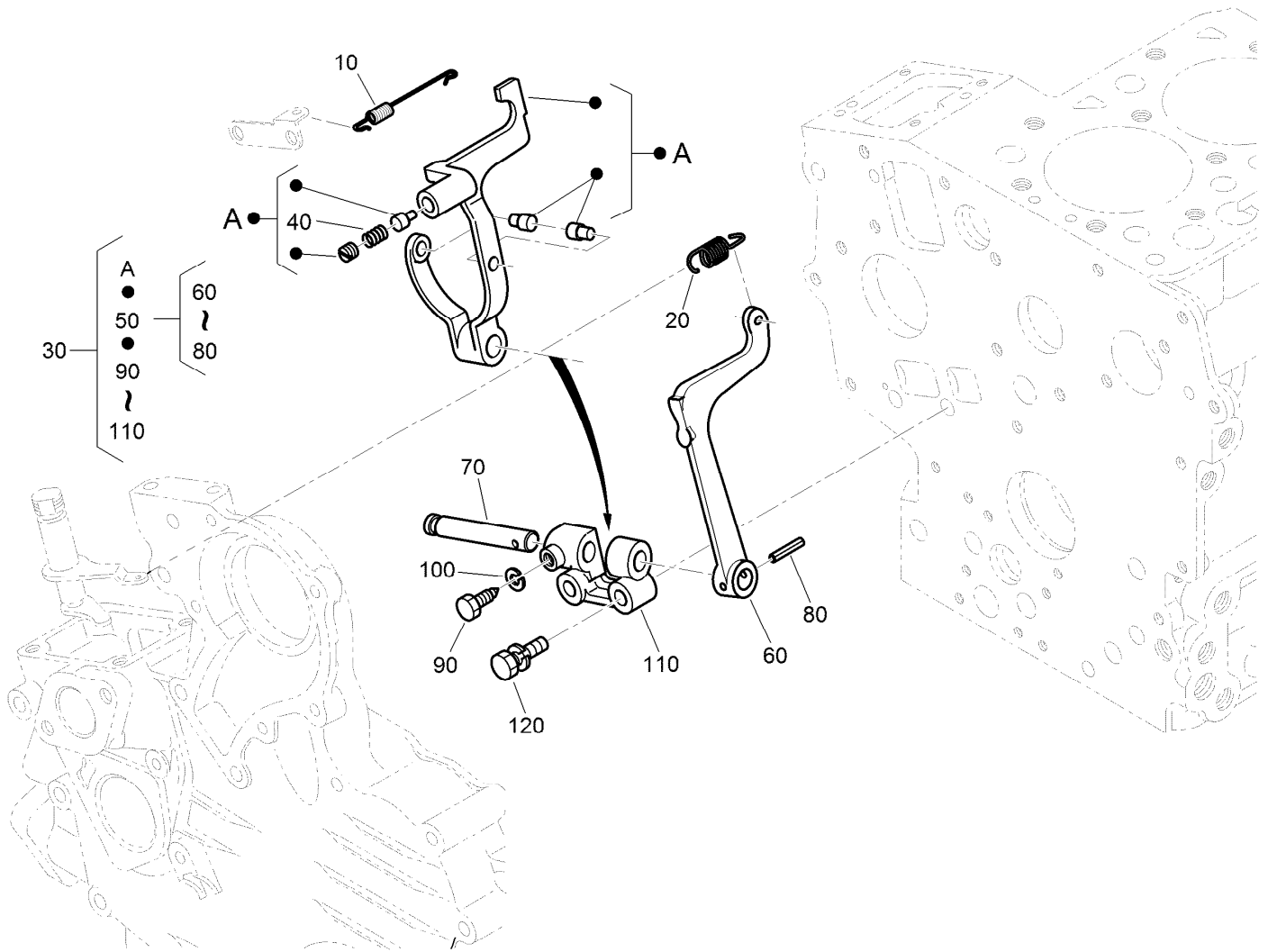
## Stop Solenoid and Fuel Pump Cover Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 117-2719    | 1    | Solenoid Stop ASM |
| 20   | 110-3762    | 1    | O-Ring            |
| 30   | 110-3763    | 2    | Bolt-HSH          |
| 40   | 98-7699     | 1    | Washer-Spring     |
| 50   | 100-1774    | 2    | Bolt-Flange       |
| 60   | 99-3514     | 1    | Cover             |
| 70   | 98-9636     | 1    | Gasket-Pump, Fuel |
| 80   | 98-7692     | 2    | Bolt              |



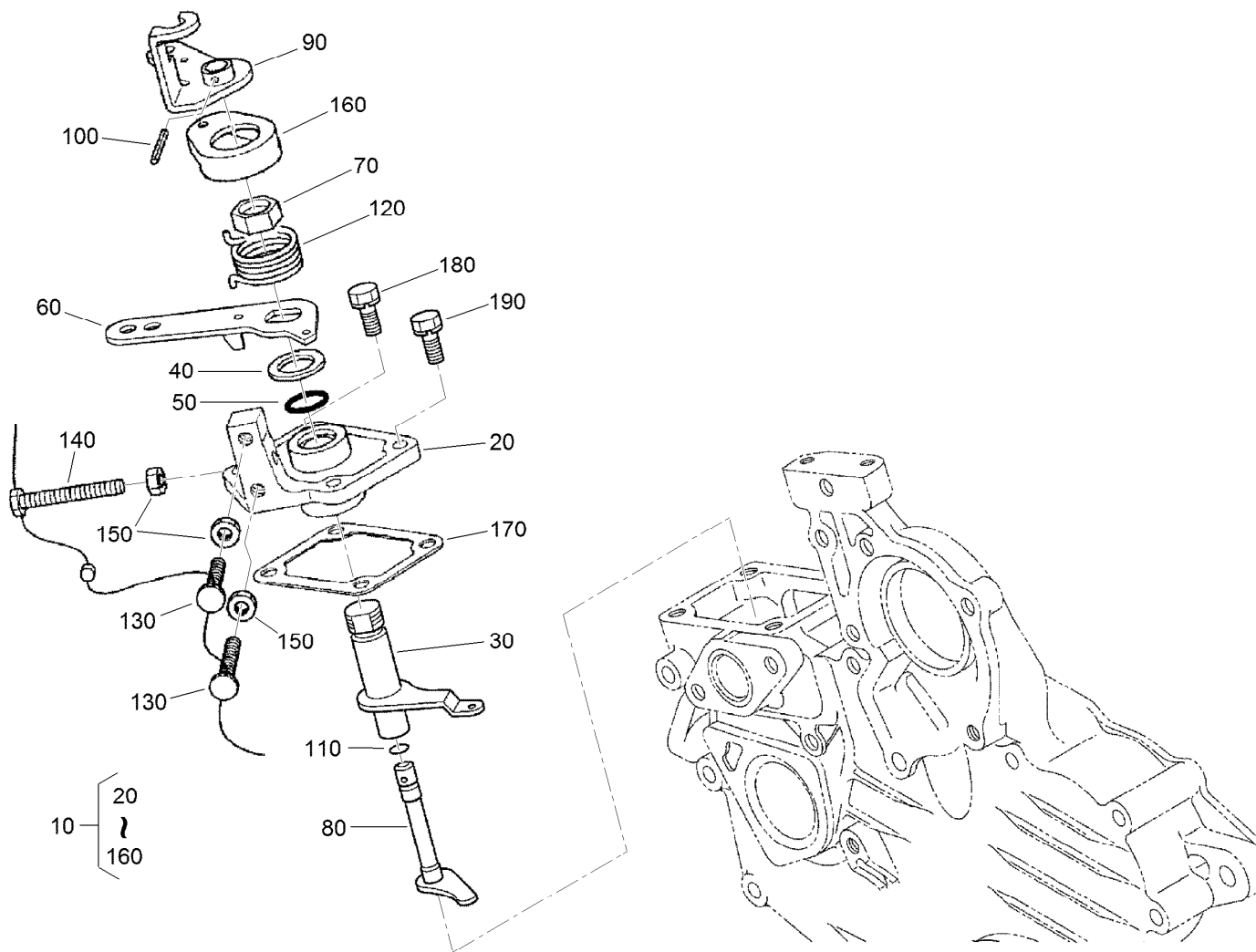
## Injection Pump Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|--------------------|
| 10          | 110-3764           | 1           | Joint                    | 90          | 98-9440            | 2           | Nut-Cap            |
| 40          | 110-3765           | 1           | Injection Pump ASM       | 100         | 98-7699            | 2           | Washer-Spring      |
| 50          | 115-3045           | 1           | Shim-Injection (0.175Mm) | 110         | 100-1896           | 1           | Screw-Hollow       |
| 50          | 98-9456            | 1           | Shim-Injection (0.20Mm)  | 120         | 98-9445            | 2           | Gasket             |
| 50          | 98-9457            | 1           | Shim-Injection (0.25Mm)  | 130         | 98-9430            | 1           | Screw              |
| 60          | 98-9458            | 1           | Shim-Injection (0.30Mm)  | 140         | 98-9446            | 1           | Gasket             |
| 60          | 115-3046           | 1           | Shim-Injection (0.35Mm)  | 150         | 98-9466            | 1           | Plug               |
| 70          | 117-7564           | 2           | Bolt-Hex Soc HD          | 160         | 98-9451            | 1           | Gasket             |
| 80          | 98-9438            | 2           | Stud                     |             |                    |             |                    |



## Governor Assembly

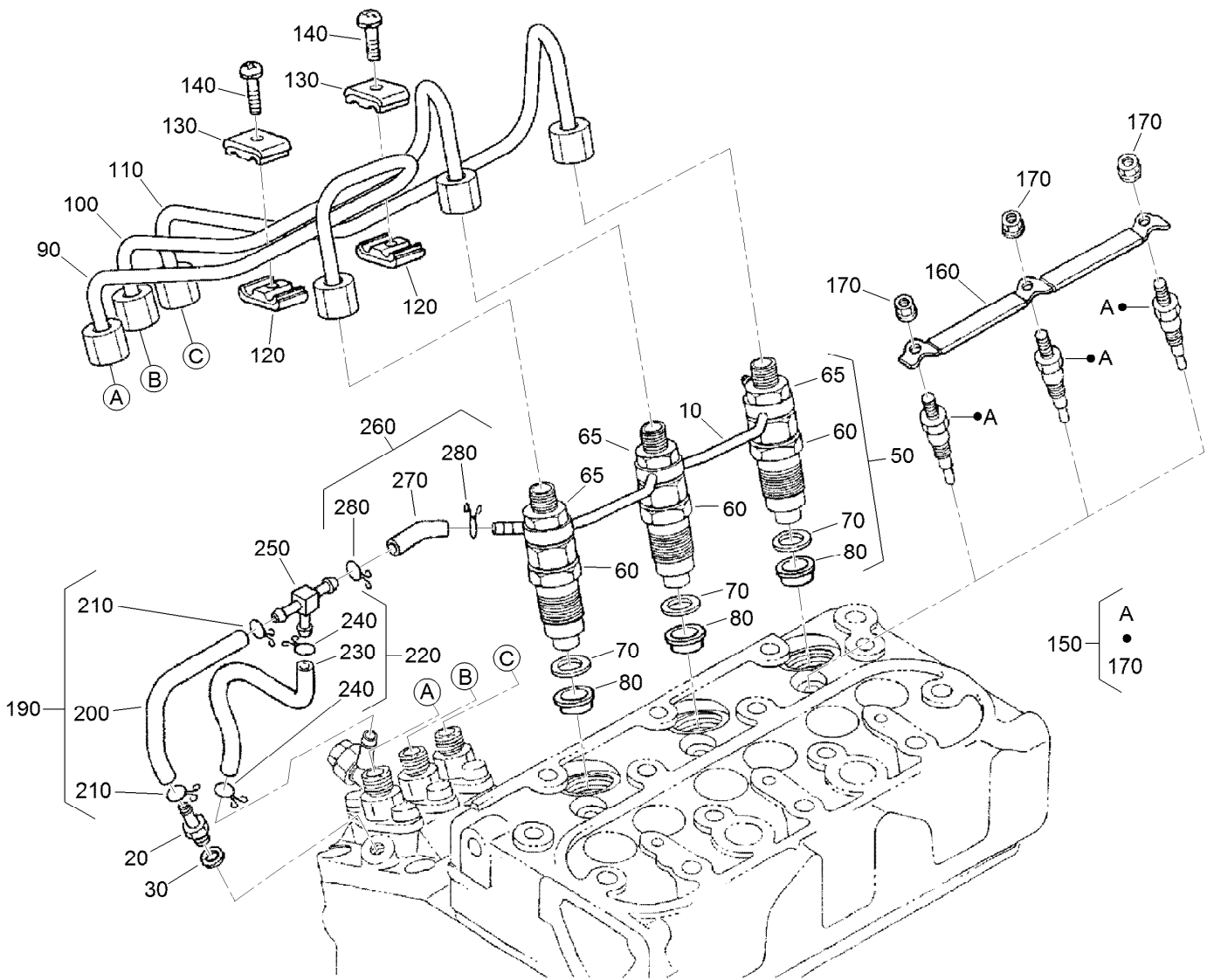
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 10          | 110-3766           | 1           | Spring-Start        |
| 20          | 110-3767           | 1           | Spring-Governor     |
| 30          | 130-1368           | 1           | Fork Lever ASM      |
| 40          | 117-0313           | 1           | Spring              |
| 50          | 100-1905           | 1           | Fork Lever ASM      |
| 60          | 100-1907           | 1           | Lever-Fork          |
| 70          | 100-1908           | 1           | Shaft-Lever, Fork   |
| 80          | 100-1751           | 1           | Pin-Spring          |
| 90          | 100-1845           | 1           | Bolt                |
| 100         | 127-0408           | 1           | Washer-Lock, Spring |
| 110         | 100-1909           | 1           | Holder-Lever, Fork  |
| 120         | 100-1763           | 2           | Bolt                |



## Speed Control Plate Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 110-3769    | 1    | Speed Control Plate ASM |
| 20   | 110-3770    | 1    | Plate-Control, Speed    |
| 30   | 110-3771    | 1    | Lever-Governor          |
| 40   | 110-3772    | 1    | Collar                  |
| 50   | 100-2208    | 1    | O-Ring                  |
| 60   | 110-3773    | 1    | Lever-Control, Speed    |
| 70   | 110-3774    | 1    | Nut-Control, Speed      |
| 80   | 110-3775    | 1    | Shaft-Lever             |
| 90   | 110-3776    | 1    | Lever-Stop, Engine      |
| 100  | 110-3777    | 1    | Pin-Spring              |

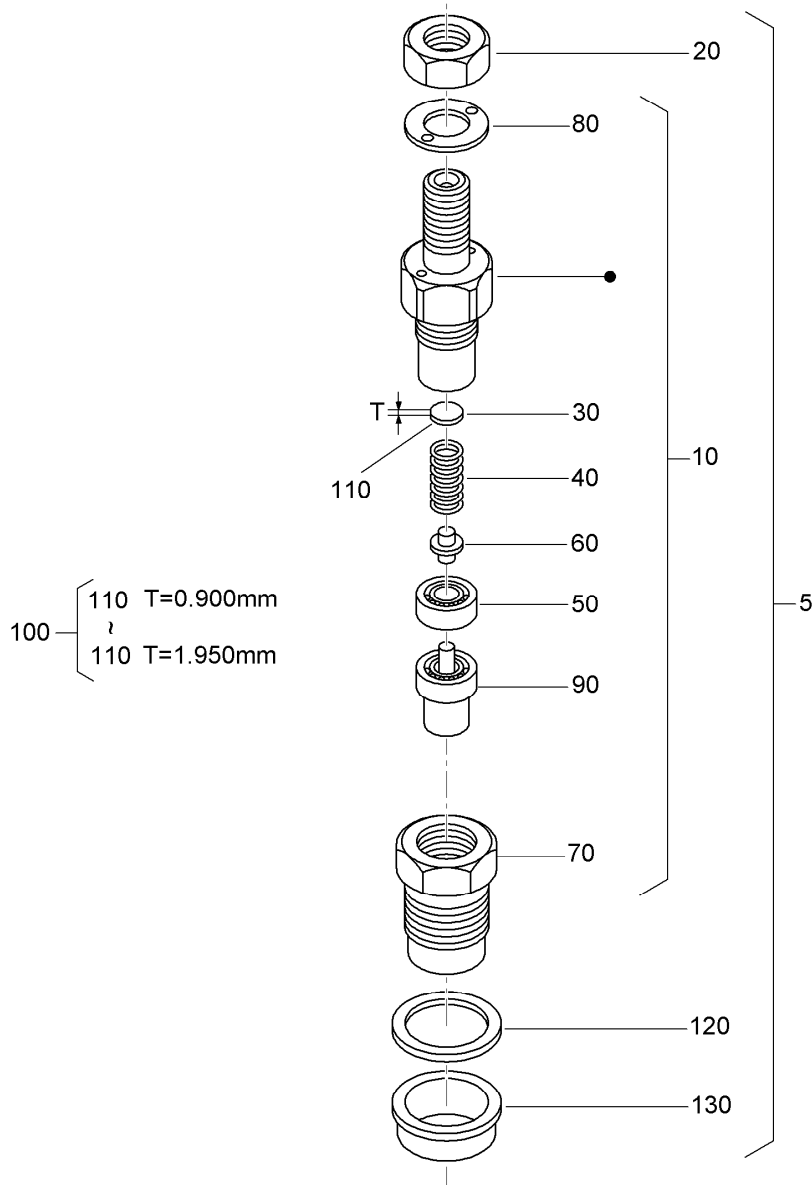
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 110  | 100-2207    | 1    | O-Ring                |
| 120  | 110-3778    | 1    | Spring-Return         |
| 130  | 120-3133    | 2    | Screw-Stopper         |
| 140  | 120-3134    | 1    | Bolt                  |
| 150  | 98-7572     | 3    | Nut                   |
| 160  | 110-3779    | 1    | Cap                   |
| 170  | 100-1962    | 1    | Gasket-Plate, Control |
| 180  | 127-0403    | 2    | Bolt-Flange           |
| 190  | 112-2507    | 2    | Bolt                  |



## Nozzle Holder and Glow Plug Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 110-3780    | 1    | Over Flow Pipe ASM |
| 20   | 98-9431     | 1    | Screw-Bleeder, Air |
| 30   | 98-7654     | 1    | Gasket             |
| 50   | 130-1305    | 3    | Nozzle Holder Kit  |
| 60   | 130-1303    | 3    | Nozzle Holder ASM  |
| 65   | 121-2411    | 3    | Nut                |
| 70   | 98-7676     | 3    | Gasket             |
| 80   | 98-7677     | 3    | Seal-Heat          |
| 90   | 130-1522    | 1    | Pipe-Injection     |
| 100  | 130-1523    | 1    | Pipe-Injection     |
| 110  | 130-1541    | 1    | Pipe-Injection     |
| 120  | 98-7682     | 2    | Clamp-Pipe         |
| 130  | 98-7683     | 2    | Clamp-Pipe         |
| 140  | 98-7684     | 2    | Screw (W/Washer)   |

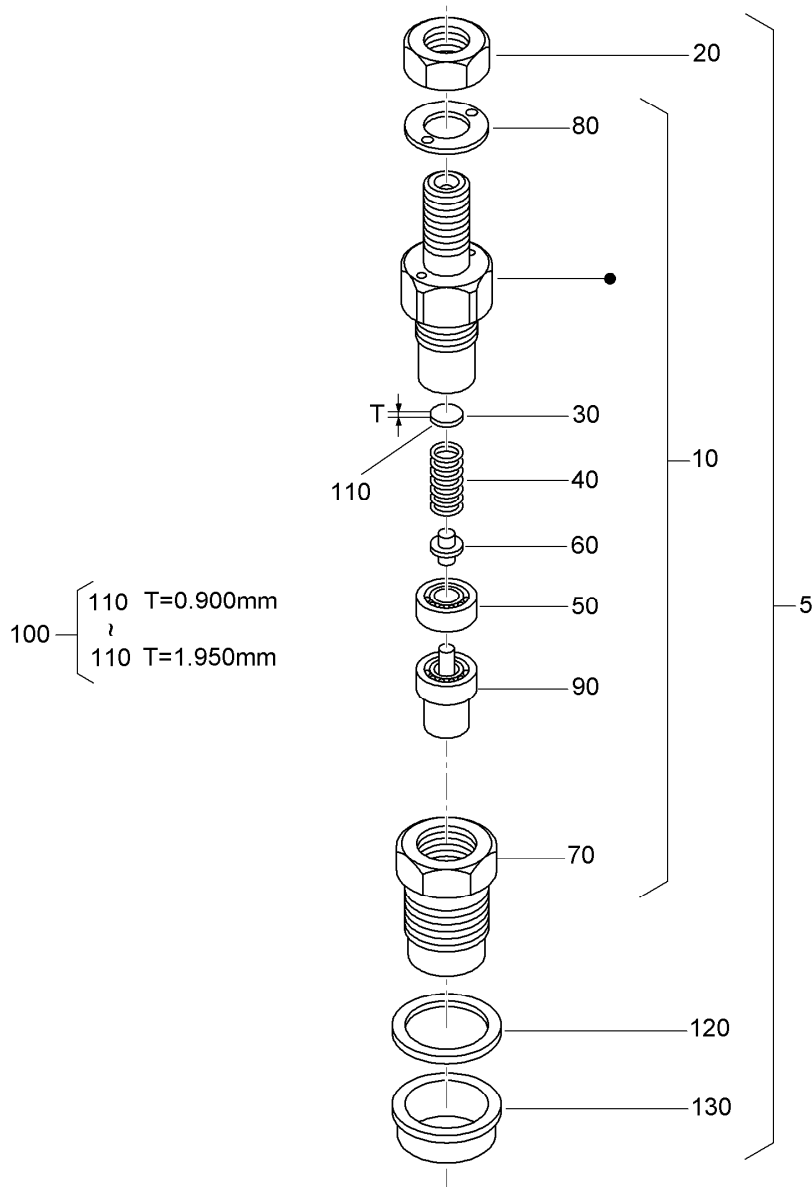
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 150  | 130-1411    | 3    | Plug-Glow       |
| 160  | 110-3784    | 1    | Cord-Plug, Glow |
| 170  | 99-8377     | 3    | Nut-Flange      |
| 190  | 110-3785    | 1    | Fuel Tube ASM   |
| 200  | 110-3786    | 1    | Tube-Fuel       |
| 210  | 98-7671     | 2    | Clip-Pipe       |
| 220  | 110-3787    | 1    | Fuel Tube ASM   |
| 230  | 110-3788    | 1    | Tube-Fuel       |
| 240  | 98-7671     | 2    | Clip-Pipe       |
| 250  | 112-8338    | 1    | Pipe-Joint, T   |
| 260  | 110-3790    | 1    | Fuel Tube ASM   |
| 270  | 110-3791    | 1    | Tube-Fuel       |
| 280  | 98-7671     | 2    | Clip-Pipe       |



## Nozzle Holder Assembly

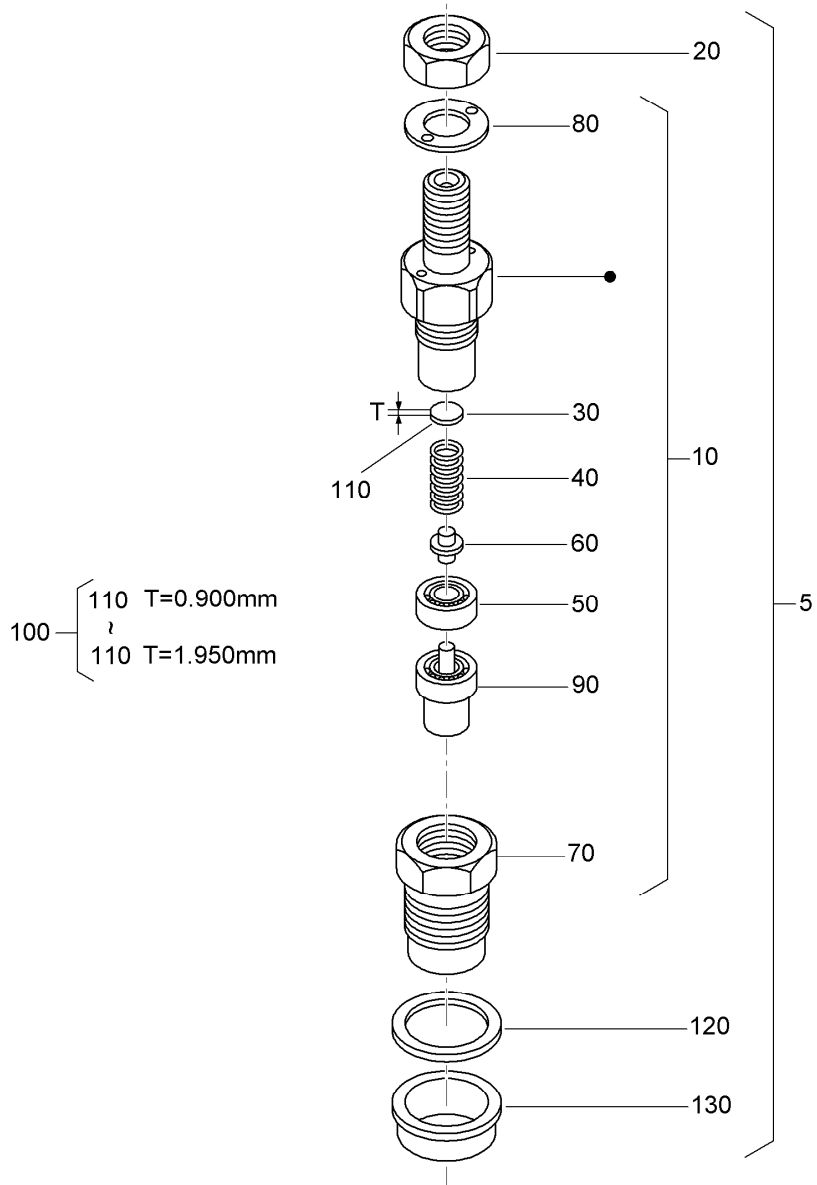
| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|------|-------------|------|----------------------------|
| 5    | 130-1305    | 3    | Nozzle Holder Kit          | 110  | 98-7845     | 3    | Washer-Adjusting (1.025Mm) |
| 10   | 130-1303    | 3    | Nozzle Holder ASM          | 110  | 98-7846     | 3    | Washer-Adjusting (1.050Mm) |
| 20   | 121-2411    | 3    | Nut                        | 110  | 98-7847     | 3    | Washer-Adjusting (1.075Mm) |
| 30   | 99-8302     | 3    | Washer-Adjusting           | 110  | 98-7848     | 3    | Washer-Adjusting (1.100Mm) |
| 40   | 99-8303     | 3    | Spring-Nozzle              | 110  | 98-7849     | 3    | Washer-Adjusting (1.125Mm) |
| 50   | 99-8304     | 3    | Spacer-Distance            | 110  | 98-7850     | 3    | Washer-Adjusting (1.150Mm) |
| 60   | 99-8305     | 3    | Rod-Push                   | 110  | 98-7851     | 3    | Washer-Adjusting (1.175Mm) |
| 70   | 130-1304    | 3    | Nut-Nozzle                 | 110  | 98-7852     | 3    | Washer-Adjusting (1.200Mm) |
| 80   | 99-8307     | 3    | Washer-Plain               | 110  | 98-7853     | 3    | Washer-Adjusting (1.225Mm) |
| 90   | 130-1497    | 3    | Nozzle-Piece               | 110  | 98-7854     | 3    | Washer-Adjusting (1.250Mm) |
| 100  | 98-9448     | 3    | Adjusting Washer ASM       |      |             |      |                            |
| 110  | 98-7642     | 3    | Washer-Adjusting (0.900Mm) |      |             |      |                            |
| 110  | 98-7841     | 3    | Washer-Adjusting (0.925Mm) |      |             |      |                            |
| 110  | 98-7842     | 3    | Washer-Adjusting (0.950Mm) |      |             |      |                            |
| 110  | 98-7843     | 3    | Washer-Adjusting (0.975Mm) |      |             |      |                            |
| 110  | 98-7844     | 3    | Washer-Adjusting (1.000Mm) |      |             |      |                            |





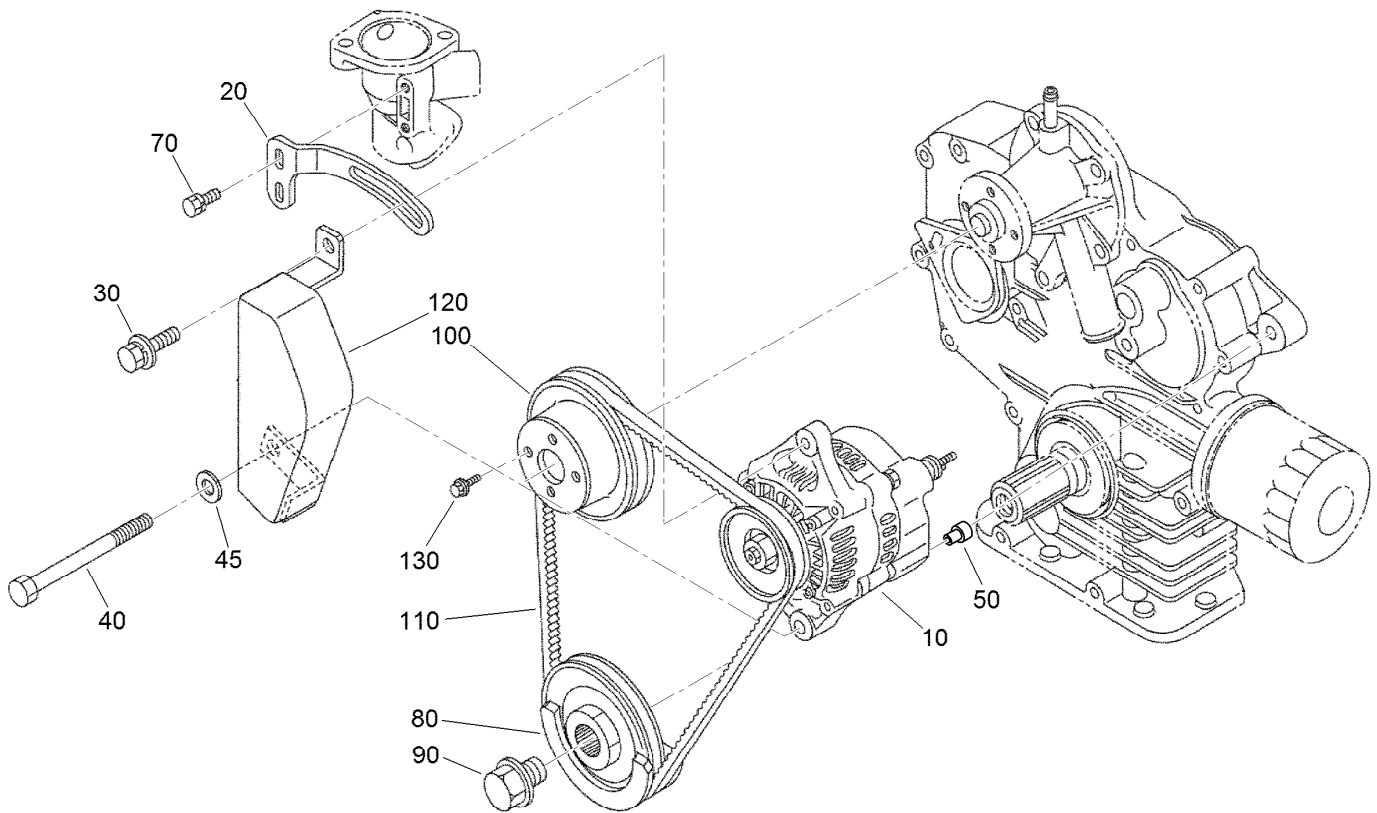
## Nozzle Holder Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            |
|-------------|--------------------|-------------|-------------------------------|-------------|--------------------|-------------|-------------------------------|
| 110         | 98-7855            | 3           | Washer-Adjusting<br>(1.275Mm) | 110         | 98-7865            | 3           | Washer-Adjusting<br>(1.525Mm) |
| 110         | 98-7856            | 3           | Washer-Adjusting<br>(1.300Mm) | 110         | 98-7866            | 3           | Washer-Adjusting<br>(1.550Mm) |
| 110         | 98-7857            | 3           | Washer-Adjusting<br>(1.325Mm) | 110         | 98-7867            | 3           | Washer-Adjusting<br>(1.575Mm) |
| 110         | 98-7858            | 3           | Washer-Adjusting<br>(1.350Mm) | 110         | 98-7868            | 3           | Washer-Adjusting<br>(1.600Mm) |
| 110         | 98-7859            | 3           | Washer-Adjusting<br>(1.375Mm) | 110         | 98-7869            | 3           | Washer-Adjusting<br>(1.625Mm) |
| 110         | 98-7860            | 3           | Washer-Adjusting<br>(1.400Mm) | 110         | 98-7870            | 3           | Washer-Adjusting<br>(1.650Mm) |
| 110         | 98-7861            | 3           | Washer-Adjusting<br>(1.425Mm) | 110         | 98-7871            | 3           | Washer-Adjusting<br>(1.675Mm) |
| 110         | 98-7862            | 3           | Washer-Adjusting<br>(1.450Mm) | 110         | 98-7872            | 3           | Washer-Adjusting<br>(1.700Mm) |
| 110         | 98-7863            | 3           | Washer-Adjusting<br>(1.475Mm) | 110         | 98-7873            | 3           | Washer-Adjusting<br>(1.725Mm) |
| 110         | 98-7864            | 3           | Washer-Adjusting<br>(1.500Mm) | 110         | 98-7874            | 3           | Washer-Adjusting<br>(1.750Mm) |



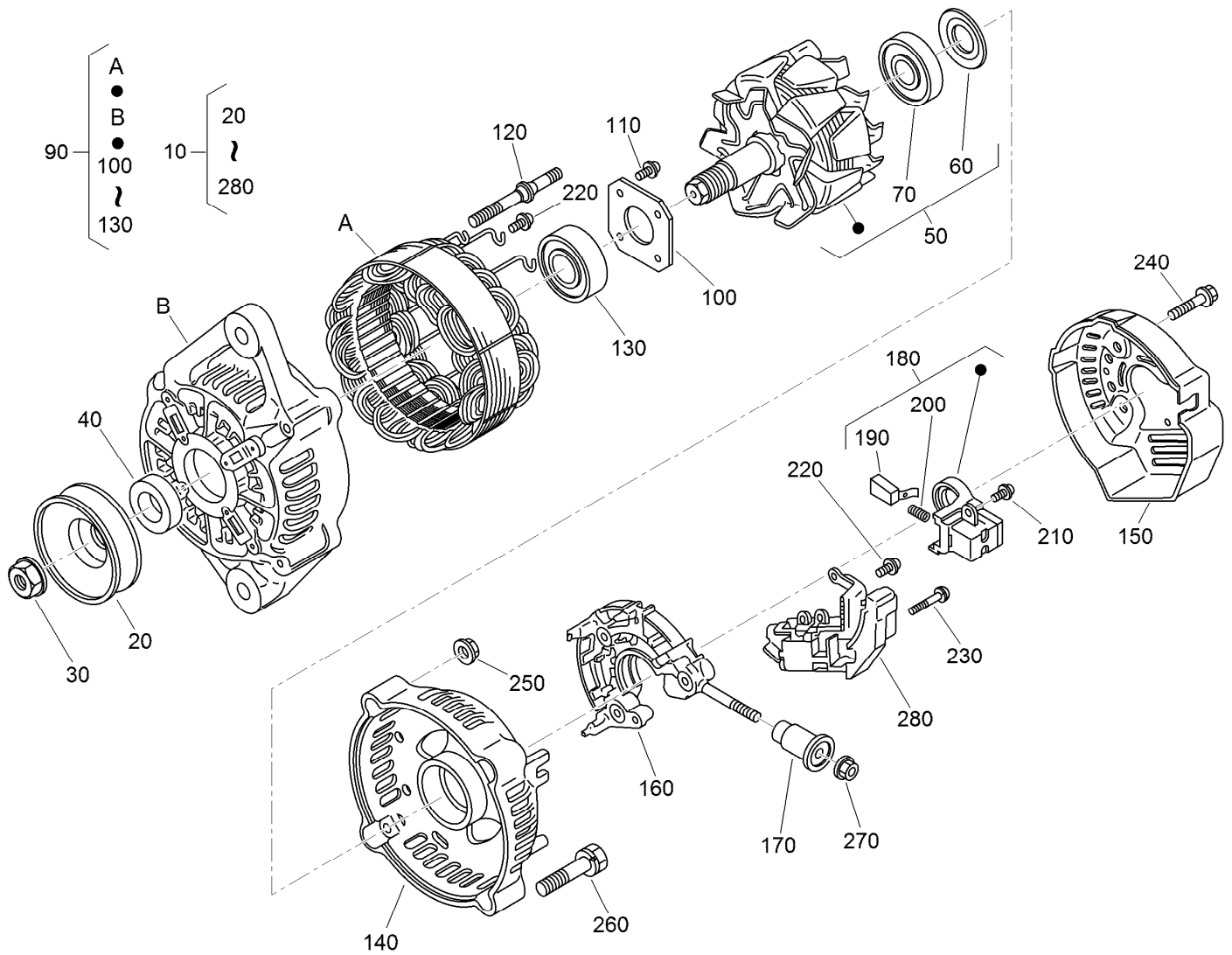
## Nozzle Holder Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            |
|-------------|--------------------|-------------|-------------------------------|-------------|--------------------|-------------|-------------------------------|
| 110         | 98-7875            | 3           | Washer-Adjusting<br>(1.775Mm) | 110         | 98-7880            | 3           | Washer-Adjusting<br>(1.900Mm) |
| 110         | 98-7876            | 3           | Washer-Adjusting<br>(1.800Mm) | 110         | 98-7881            | 3           | Washer-Adjusting<br>(1.925Mm) |
| 110         | 98-7877            | 3           | Washer-Adjusting<br>(1.825Mm) | 110         | 98-7882            | 3           | Washer-Adjusting<br>(1.950Mm) |
| 110         | 98-7878            | 3           | Washer-Adjusting<br>(1.850Mm) | 120         | 98-7676            | 3           | Gasket                        |
| 110         | 98-7879            | 3           | Washer-Adjusting<br>(1.875Mm) | 130         | 98-7677            | 3           | Seal-Heat                     |



## Alternator and Pulley Assembly

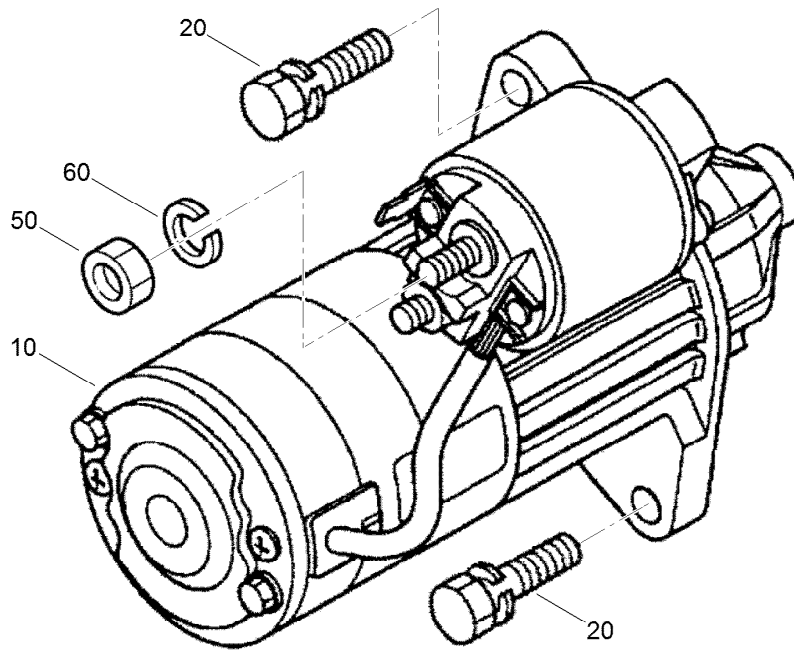
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-----------------------|
| 10          | 117-5541           | 1           | 60 Amp Alternator ASM |
| 20          | 117-0314           | 1           | Stay-Alternator       |
| 30          | 121-3800           | 1           | Bolt-Sems             |
| 40          | 110-3793           | 1           | Bolt                  |
| 45          | 120-5832           | 1           | Washer-Plain          |
| 50          | 110-3794           | 1           | Collar                |
| 70          | 98-7692            | 2           | Bolt                  |
| 80          | 125-9055           | 1           | Pulley-Drive, Fan     |
| 90          | 100-1978           | 1           | Bolt                  |
| 100         | 100-1921           | 1           | Pulley-Fan            |
| 110         | 110-3796           | 1           | Belt-V                |
| 120         | 117-0315           | 1           | Cover-Alternator      |
| 130         | 99-8363            | 4           | Bolt-Flange           |



## Alternator Components Assembly

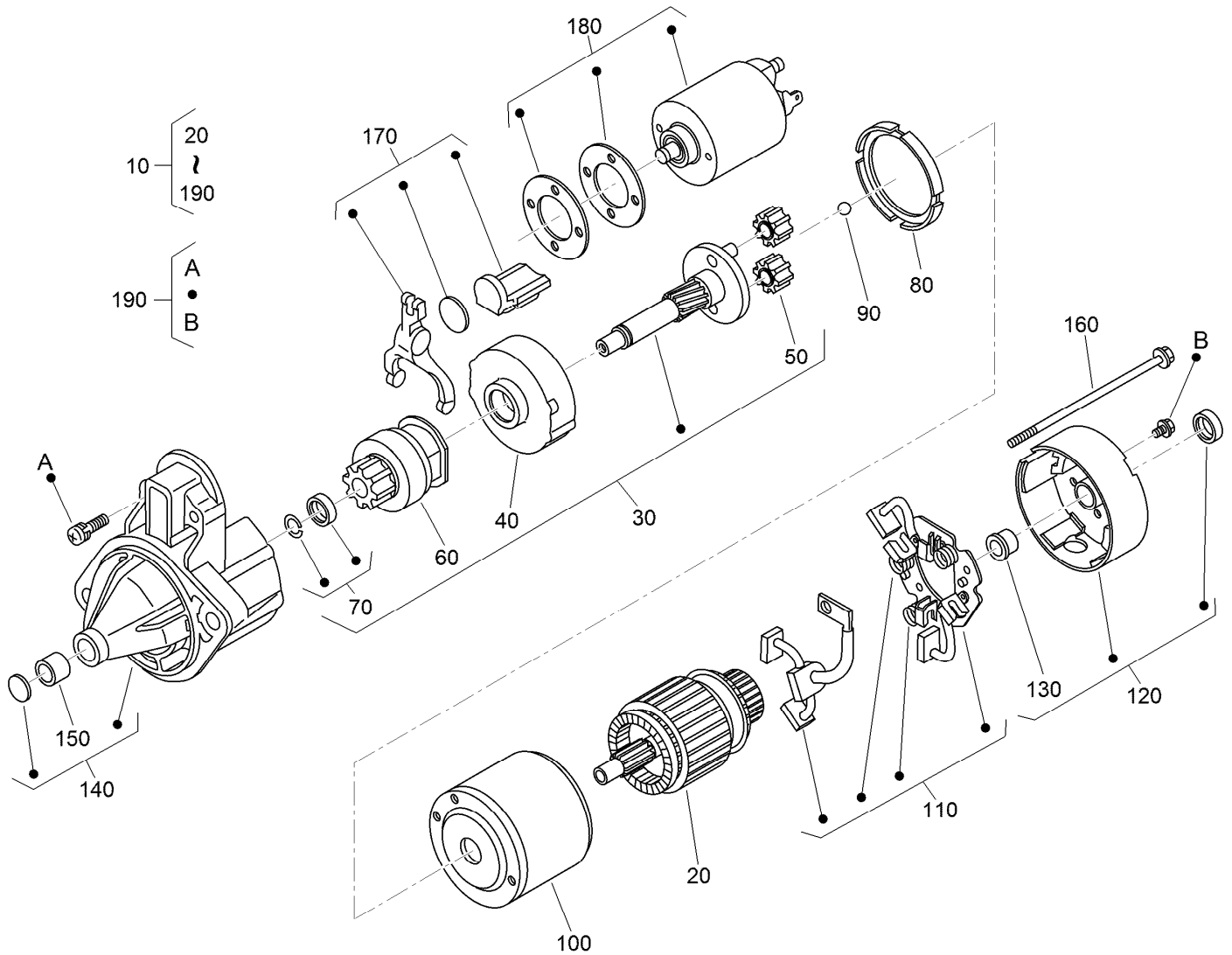
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 117-5541    | 1    | 60 Amp Alternator ASM |
| 20   | 98-9453     | 1    | Pulley-Dynamo         |
| 30   | 98-7708     | 1    | Nut                   |
| 40   | 98-7709     | 1    | Collar                |
| 50   | 117-0317    | 1    | Rotor ASM             |
| 60   | 98-7711     | 1    | Cover-Bearing         |
| 70   | 107-0138    | 1    | Bearing-Ball          |
| 90   | 117-0316    | 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  | 133-2811    | 1    | Bearing               |
| 140  | 133-2813    | 1    | Frame-End             |
| 150  | 117-0320    | 1    | Cover-End             |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 160  | 117-0322    | 1    | Holder            |
| 170  | 117-0321    | 1    | Insulation-Brush  |
| 180  | 107-0141    | 1    | Brush Holder ASM  |
| 190  | 98-7724     | 2    | Brush             |
| 200  | 98-7725     | 2    | Spring-Brush      |
| 210  | 98-7727     | 6    | Screw-Head, Round |
| 220  | 98-7728     | 1    | Screw-Head, Round |
| 230  | 98-7726     | 2    | Screw-Head, Round |
| 240  | 98-7729     | 3    | Bolt              |
| 250  | 98-7730     | 2    | Nut               |
| 260  | 98-7731     | 2    | Bolt              |
| 270  | 98-7732     | 1    | Nut               |
| 280  | 117-0319    | 1    | Regulator ASM     |



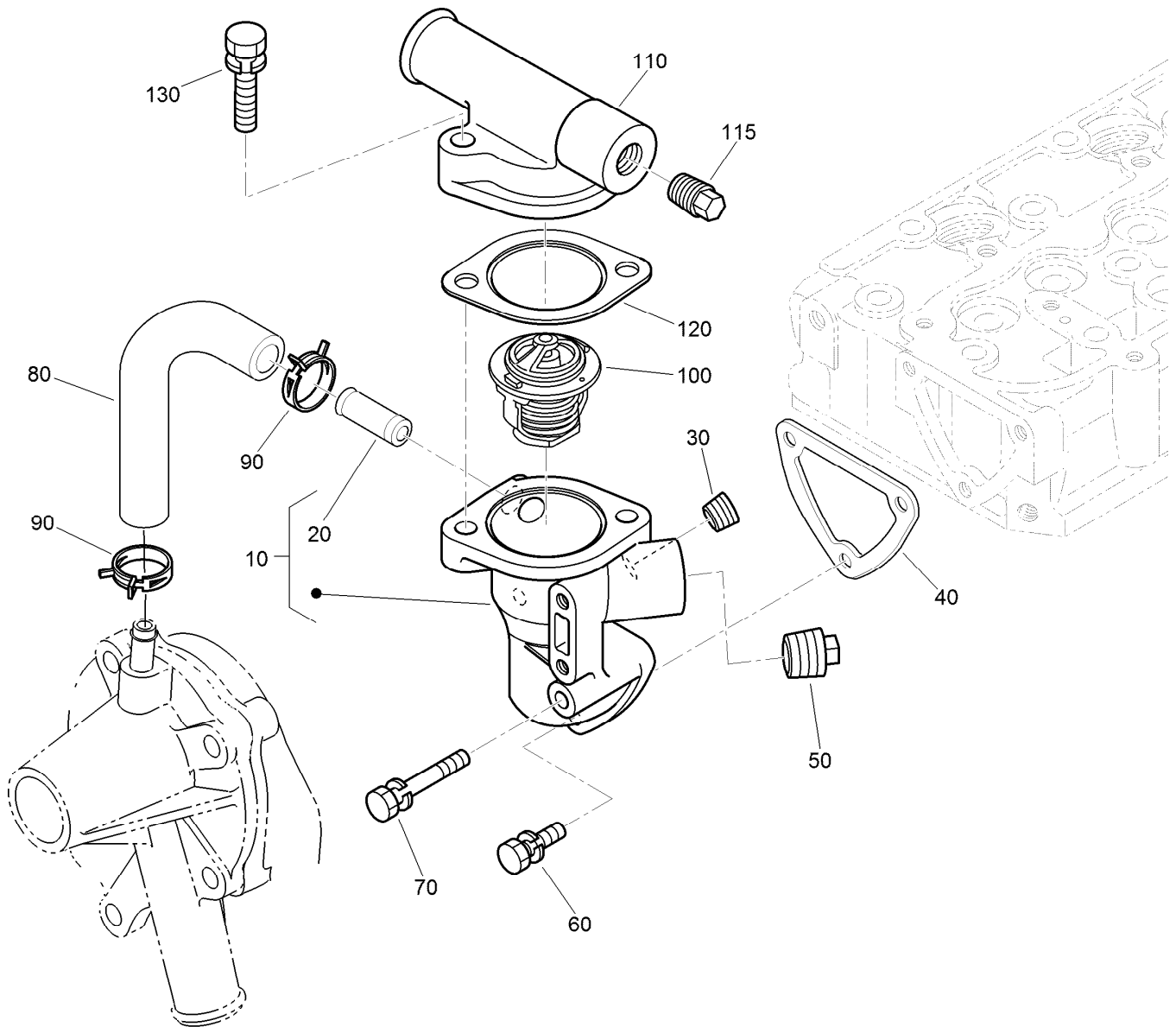
## Starter Installation Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 110-3800           | 1           | Starter ASM        |
| 20          | 98-7697            | 2           | Bolt               |
| 50          | 98-7534            | 1           | Nut                |
| 60          | 105-2893           | 1           | Washer-Spring      |



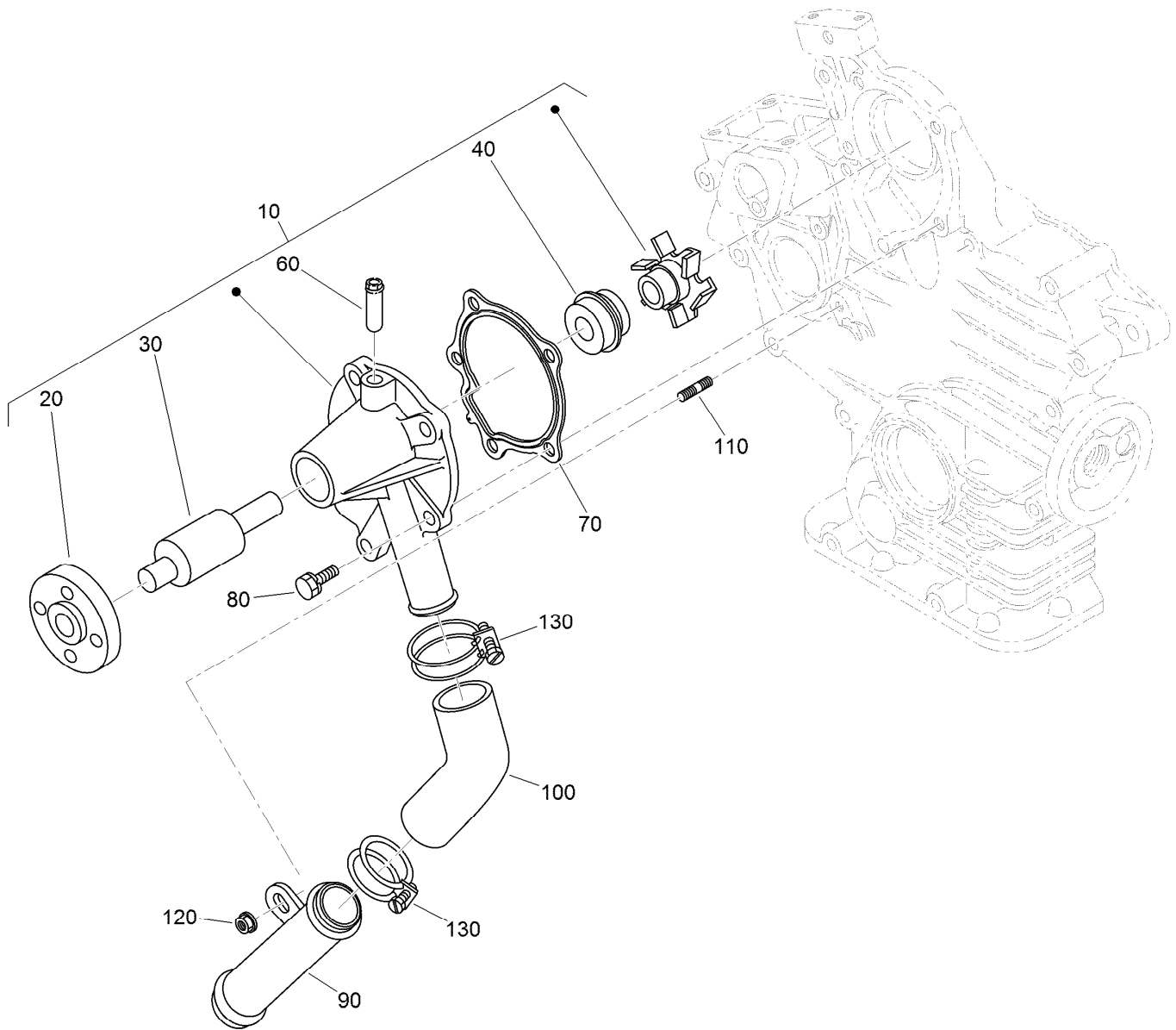
## Starter Component Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|--------------------|
| 10          | 110-3800           | 1           | Starter ASM          | 110         | 110-3810           | 1           | Brush Holder ASM   |
| 20          | 110-3801           | 1           | Armature             | 120         | 110-3811           | 1           | Rear Bracket ASM   |
| 30          | 110-3802           | 1           | Shaft ASM            | 130         | 110-3812           | 1           | Bushing            |
| 40          | 120-3142           | 1           | Gear-Internal        | 140         | 110-3813           | 1           | Front Bracket ASM  |
| 50          | 110-3804           | 3           | Gear-Planetary       | 150         | 110-3814           | 1           | Bushing            |
| 60          | 110-3805           | 1           | Clutch-Running, Over | 160         | 110-3815           | 2           | Bolt               |
| 70          | 110-3806           | 1           | Stopper              | 170         | 110-3816           | 1           | Fork Lever ASM     |
| 80          | 120-3143           | 1           | Gasket               | 180         | 125-9099           | 1           | Switch-Magnetic    |
| 90          | 110-3808           | 1           | Ball                 | 190         | 110-3818           | 2           | Screws (Set Of 4)  |
| 100         | 130-1295           | 1           | Yoke                 |             |                    |             |                    |



## Water Flange and Thermostat Assembly

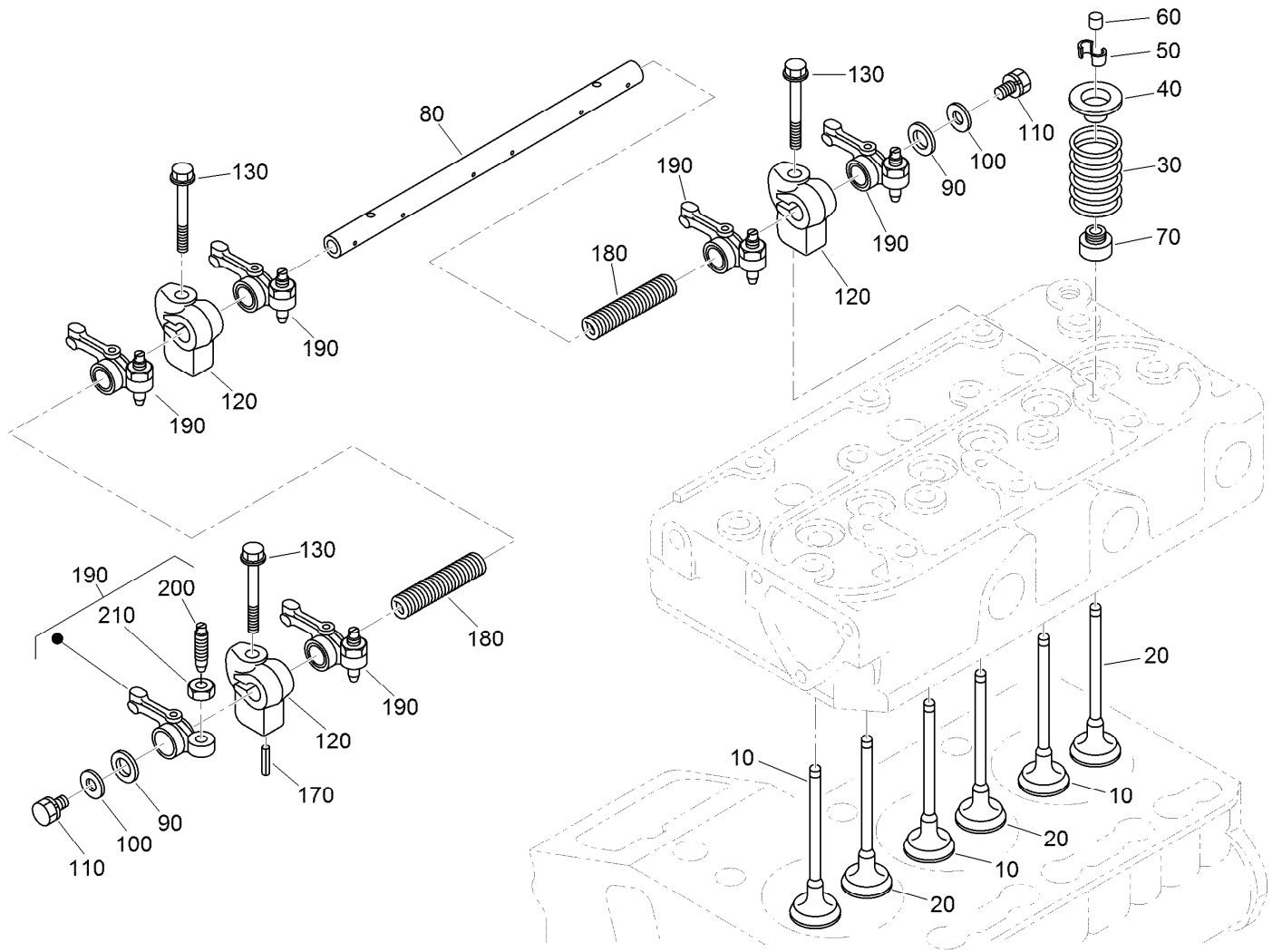
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 110-3819    | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 30   | 98-9444     | 1    | Plug                 |
| 40   | 110-3820    | 1    | Gasket-Flange, Water |
| 50   | 110-3821    | 1    | Plug                 |
| 60   | 98-7692     | 2    | Bolt                 |
| 70   | 125-9063    | 1    | Bolt-Sems            |
| 80   | 110-3822    | 1    | Pipe-Return, Water   |
| 90   | 125-9078    | 2    | Clamp-Hose           |
| 100  | 98-7778     | 1    | Thermostat ASM       |
| 110  | 120-7575    | 1    | Cover-Thermostat     |
| 115  | 125-9079    | 1    | Plug                 |
| 120  | 105-3748    | 1    | Gasket-Thermostat    |
| 130  | 98-7777     | 2    | Bolt                 |



## Water Pump and Water Pipe Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 10          | 110-3824           | 1           | Water Pump ASM      |
| 20          | 125-9081           | 1           | Flange-Pump, Water  |
| 30          | 100-1934           | 1           | Bearing-Ball        |
| 40          | 99-3518            | 1           | Water Pump Seal ASM |
| 60          | 100-1932           | 1           | Pipe-Return, Water  |
| 70          | 117-0330           | 1           | Gasket-Pump, Water  |
| 80          | 100-1750           | 4           | Bolt                |
| 90          | 100-1918           | 1           | Pipe-Water          |
| 100         | 110-3827           | 1           | Pipe-Water          |
| 110         | 100-1924           | 1           | Stud                |
| 120         | 100-2203           | 1           | Nut-Flange          |
| 130         | 110-3828           | 2           | Band-Pipe           |

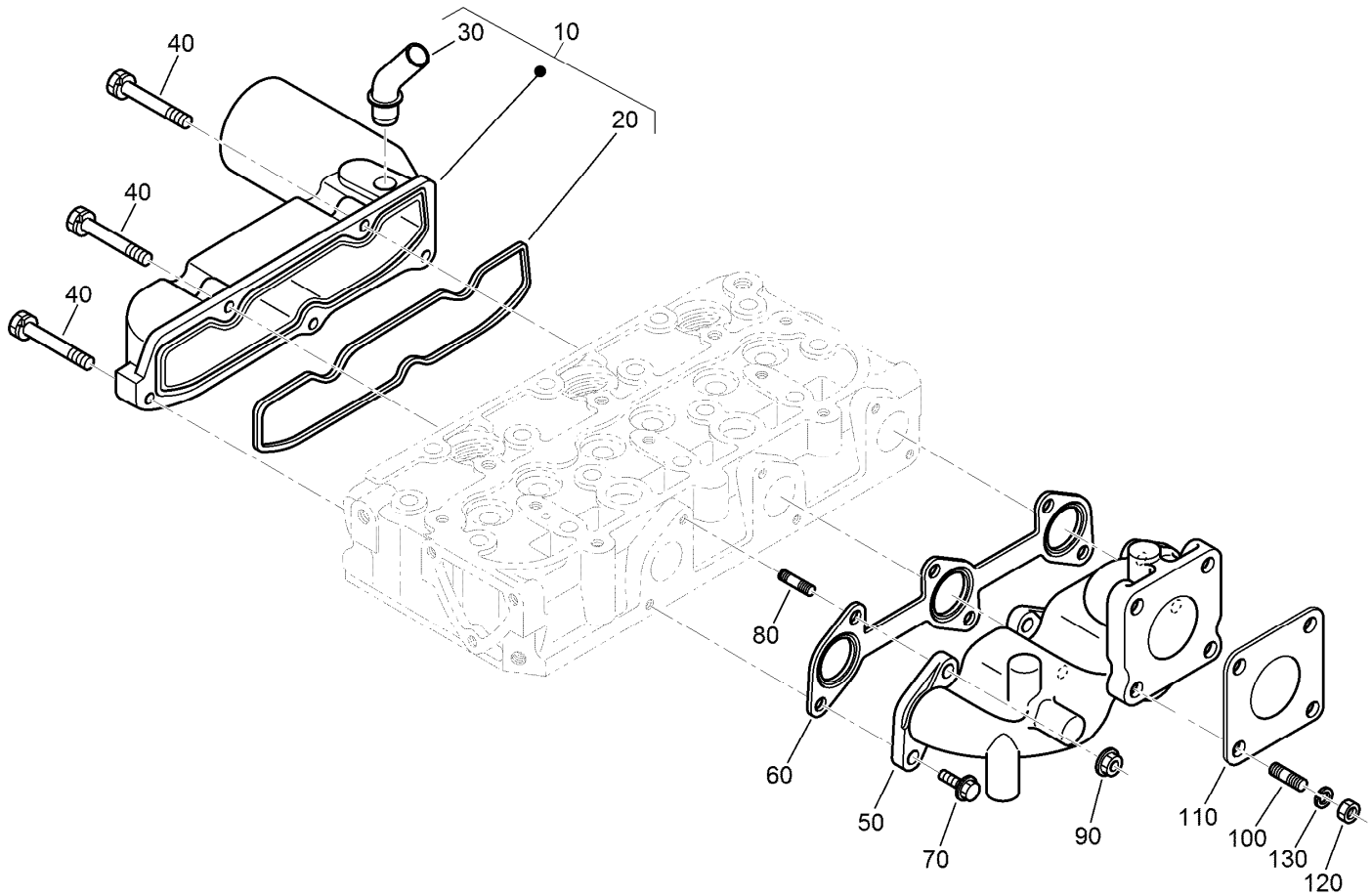




## Valve and Rocker Arm Assembly

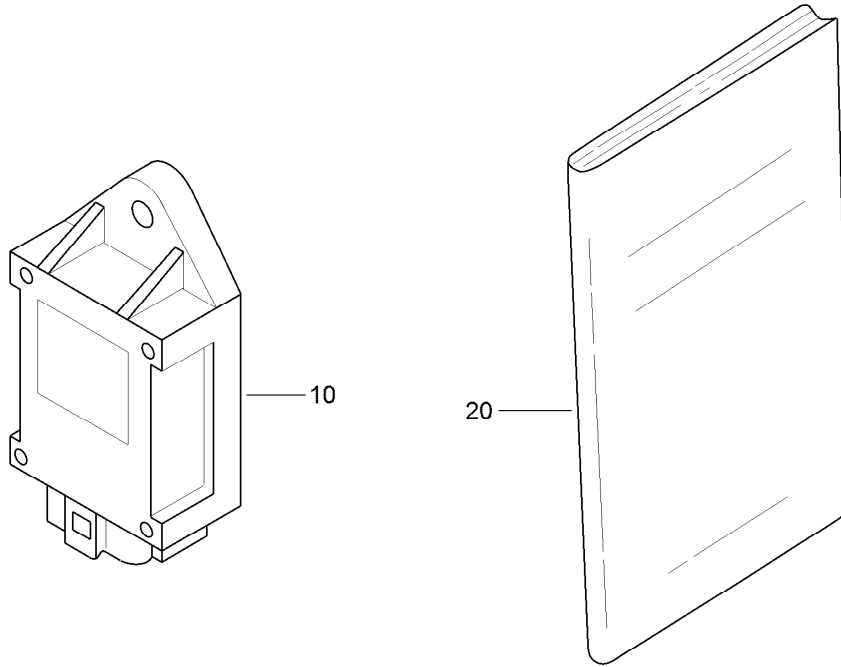
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 112-2514    | 3    | Valve-Inlet            |
| 20   | 112-2515    | 3    | Valve-Exhaust          |
| 30   | 100-1823    | 6    | Spring-Valve           |
| 40   | 100-1825    | 6    | Retainer-Spring, Valve |
| 50   | 120-3136    | 6    | Collet-Spring, Valve   |
| 60   | 100-2155    | 6    | Cap-Valve              |
| 70   | 100-1797    | 6    | Seal-Stem, Valve       |
| 80   | 112-8341    | 1    | Shaft-Arm, Rocker      |
| 90   | 100-2044    | 2    | Washer                 |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 100  | 110-3832    | 2    | Washer-Plain        |
| 110  | 100-1762    | 2    | Bolt                |
| 120  | 110-3833    | 3    | Bracket-Arm, Rocker |
| 130  | 110-3834    | 3    | Bolt-Flange         |
| 170  | 98-7602     | 1    | Pin-Spring          |
| 180  | 112-8342    | 2    | Spring              |
| 190  | 100-1884    | 6    | Rocker Arm ASM      |
| 200  | 100-1885    | 6    | Screw-Adjusting     |
| 210  | 100-1827    | 6    | Nut                 |



## Inlet and Exhaust Manifold Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 10          | 120-3141           | 1           | Intake Manifold ASM      |
| 20          | 110-3838           | 1           | Gasket-Manifold, Intake  |
| 30          | 121-2417           | 1           | Pipe-Breather            |
| 40          | 98-9352            | 5           | Bolt                     |
| 50          | 110-3839           | 1           | Manifold-Exhaust         |
| 60          | 110-3840           | 1           | Gasket-Manifold, Exhaust |
| 70          | 130-1154           | 3           | Screw-Hex HD             |
| 80          | 130-1156           | 3           | Bolt-Stud                |
| 90          | 100-1778           | 3           | Nut                      |
| 100         | 98-7769            | 4           | Stud                     |
| 110         | 99-8343            | 1           | Gasket-Muffler           |
| 120         | 98-7534            | 4           | Nut                      |
| 130         | 105-2893           | 4           | Washer-Spring            |



## Miscellaneous Engine Parts

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 98-7611            | 1           | Controller-Glow    |
| 20          | 130-1513           | 1           | Manual-Operator    |



**Count on it.**