



Form No. 3396-314 Rev A

**Count on it.**

# Parts Catalog

## **Groundsmaster® 360**

**4-Wheel Drive Multi-Purpose Machine with Cab**

Model No. 31222—Serial No. 315000001 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

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

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HP:** high pressure

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** low pressure

**LPG:** Liquefied Petroleum Gas

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

**STD:** standard

**TAP:** self tapping

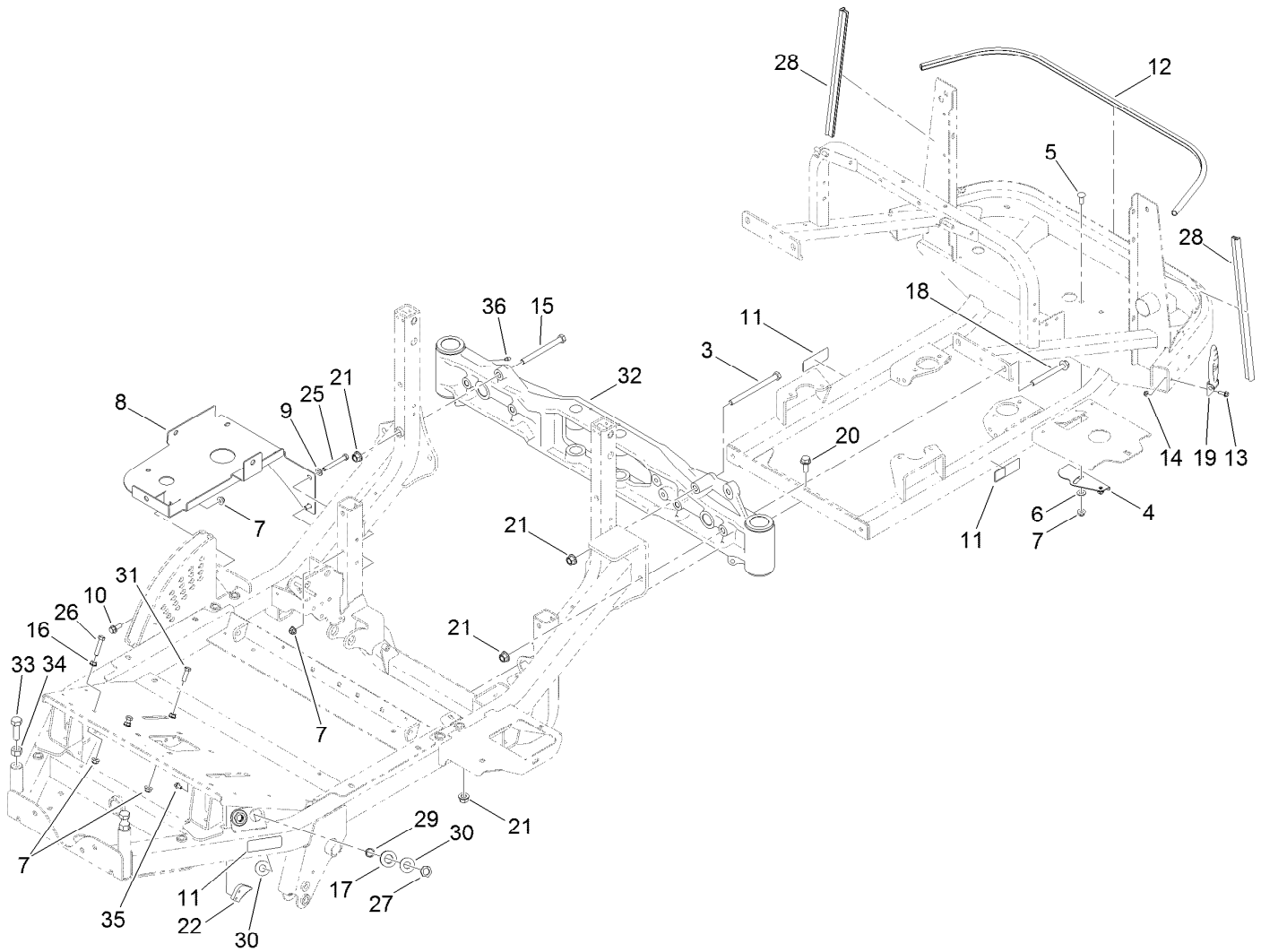
**TTH:** torx truss head

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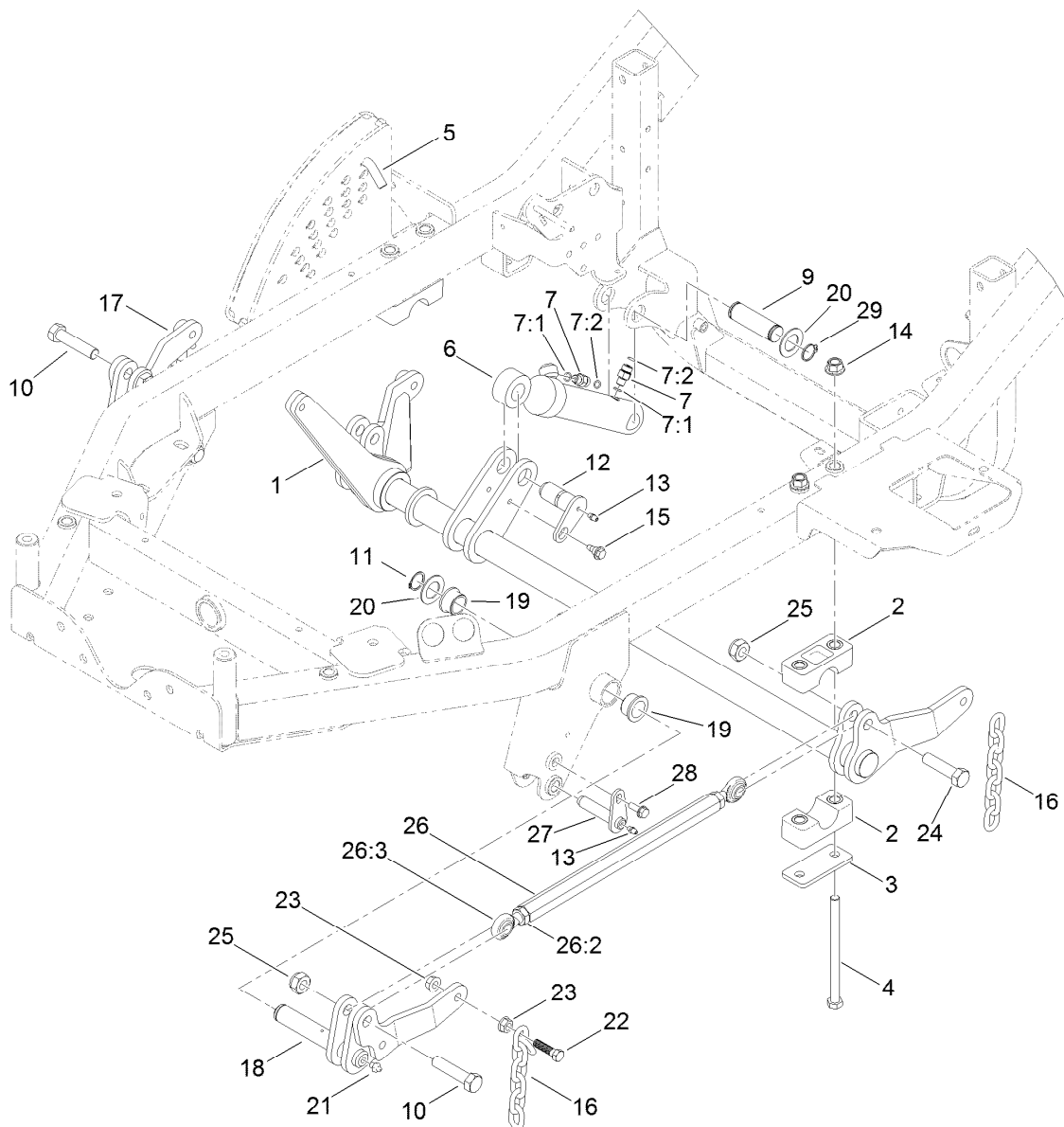
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## Frame and Rear Axle Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 3    | 325-33      | 1    | Screw-HH            |
| 4    | 117-3190    | 1    | Cover-Lower         |
| 5    | 3231-22     | 2    | Screw-CARR          |
| 6    | 66-2920     | 2    | Washer-Friction     |
| 7    | 104-8301    | 8    | Nut-Flange, NI      |
| 8    | 117-3385-03 | 1    | Bracket-Tank, HYD   |
| 9    | 3256-24     | 2    | Washer-Flat         |
| 10   | 3234-24     | 1    | Screw-HHF           |
| 11   | 106-9206    | 4    | Decal-Torque, Wheel |
| 12   | 117-3311    | 1    | Seal-Bulb           |
| 13   | 3234-4      | 2    | Screw-HHF           |
| 14   | 104-7201    | 2    | Nut-Flange, NI      |
| 15   | 325-22      | 1    | Screw-HH            |
| 16   | 3290-357    | 3    | Nut-HHF, Whiz       |
| 17   | 240-4       | 2    | Grommet-Rubber      |
| 18   | 117-3176    | 4    | Screw-HHF           |

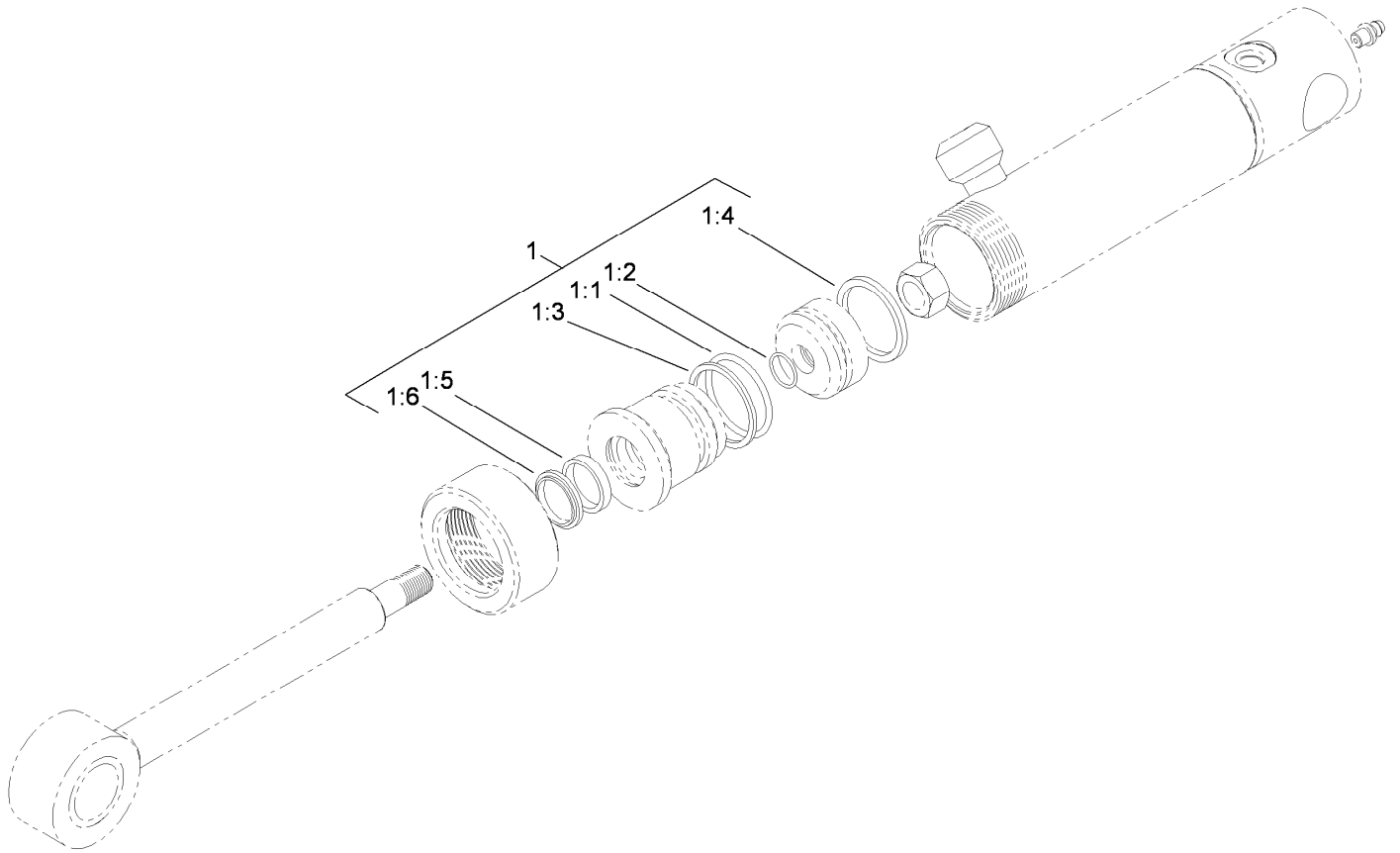
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 19   | 103-2898    | 2    | Latch-Rubber   |
| 20   | 3234-38     | 3    | Screw-HHF      |
| 21   | 99-5107     | 9    | Nut-Lock       |
| 22   | 99-7214     | 1    | Pawl-Brake     |
| 25   | 323-14      | 2    | Screw-HH       |
| 26   | 323-53      | 2    | Screw-HH       |
| 27   | 340-70      | 2    | Nut-Lock       |
| 28   | 107-2269    | 2    | Seal-Bulb      |
| 29   | 69-8970     | 2    | Spacer         |
| 30   | 69-8940     | 4    | Washer         |
| 31   | 323-7       | 1    | Screw-HH       |
| 32   | 119-1448    | 1    | Rear Axle ASM  |
| 33   | 327-6       | 2    | Screw-HH       |
| 34   | 3217-11     | 2    | Nut-Hex        |
| 35   | 3234-13     | 2    | Screw-HHF      |
| 36   | 302-5       | 2    | Fitting-Grease |



## Lift Shaft and Linkage Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 115-0190-03 | 1    | Shaft-Lift            |
| 2    | 115-0491    | 4    | Cap-Bearing           |
| 3    | 117-2903    | 2    | Plate-Bearing         |
| 4    | 325-37      | 4    | Screw-HH              |
| 5    | 112-9544    | 1    | Pin-HOC               |
| 6    | 110-9834    | 1    | HYD Cylinder ASM      |
| 7    | 340-92      | 2    | Fitting-HYD, Straight |
| 7:1  | 237-78      | 1    | O-Ring                |
| 7:2  | 237-21      | 1    | O-Ring                |
| 9    | 115-0183    | 1    | Shaft-Cylinder, Lift  |
| 10   | 327-8       | 2    | Screw-HH              |
| 11   | 32151-29    | 2    | Ring-Retaining        |
| 12   | 125-1910    | 1    | Pin-Pivot             |
| 13   | 302-5       | 3    | Fitting-Grease        |
| 14   | 99-5107     | 4    | Nut-Lock              |
| 15   | 99-5105     | 1    | Bolt-Shoulder         |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 16   | 119-1385    | 4    | Chain-HOC           |
| 17   | 119-1380-03 | 1    | Lift-RH             |
| 18   | 119-1383-03 | 1    | Lift-LH             |
| 19   | 114-5680    | 4    | Bushing-Flange      |
| 20   | 69-9010     | 4    | Washer              |
| 21   | 302-2       | 2    | Fitting-Grease      |
| 22   | 103-1898    | 4    | Screw-HH            |
| 23   | 32128-37    | 8    | Nut-HF              |
| 24   | 327-7       | 2    | Screw-HH            |
| 25   | 3296-61     | 4    | Nut-Lock            |
| 26   | 114-4059    | 2    | Link ASM            |
| 26:2 | 3220-6      | 2    | Nut-Jam             |
| 26:3 | 1-633029    | 2    | Balljoint-Spherical |
| 27   | 112-1602    | 2    | Pin-Retainer        |
| 28   | 32144-41    | 2    | Screw-Taptite       |
| 29   | 32151-36    | 2    | Ring-Retaining      |

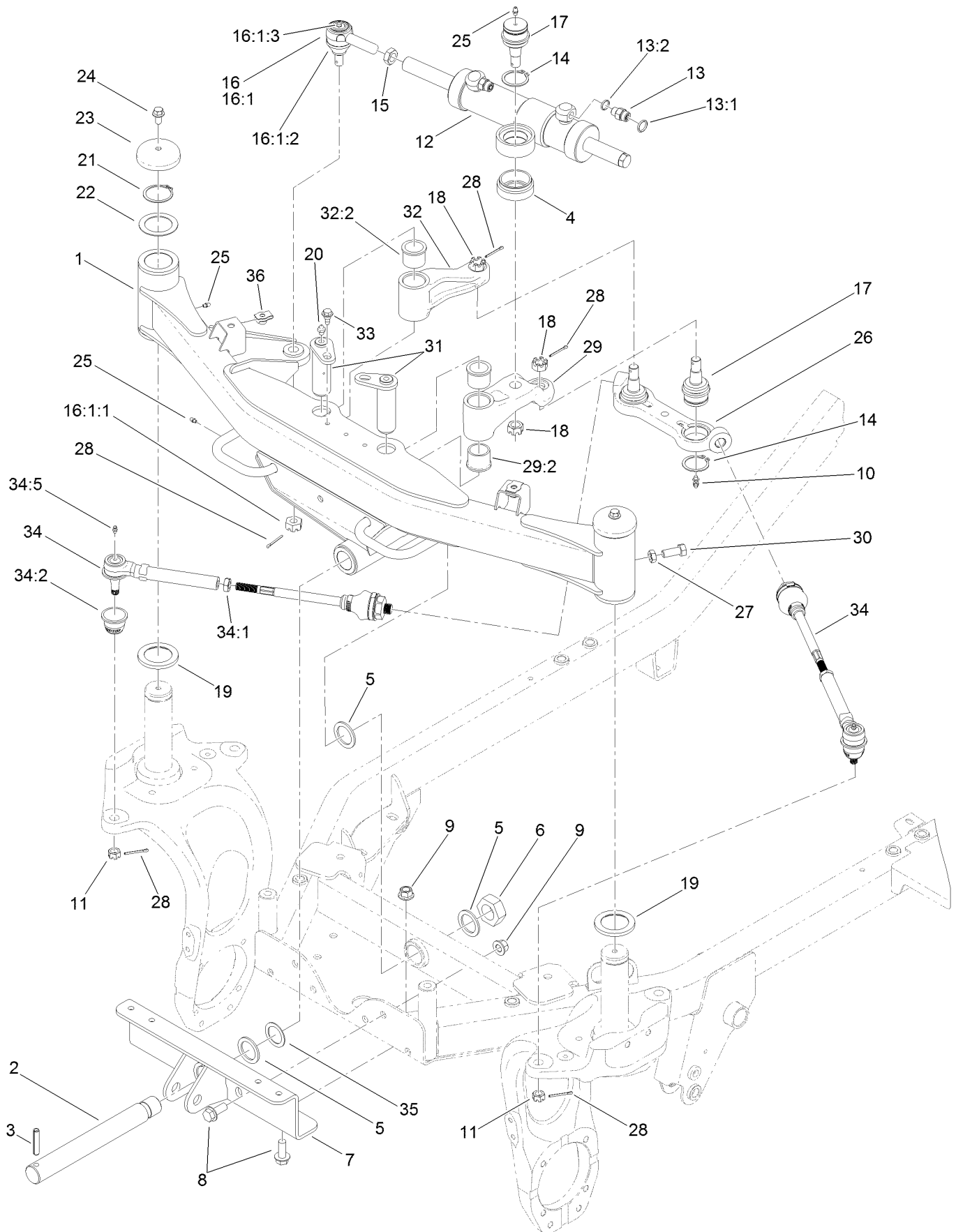


## Hydraulic Cylinder Assembly No. 110-9834

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 112-6353           | 1           | Seal Kit           |
| 1:1         |                    | 1           | O-Ring ●           |
| 1:2         |                    | 1           | O-Ring ●           |
| 1:3         |                    | 1           | Backup ●           |
| 1:4         |                    | 1           | Seal-Bp ●          |
| 1:5         |                    | 1           | Seal-Rod ●         |
| 1:6         |                    | 1           | Seal-Dust ●        |

● Not serviced separately

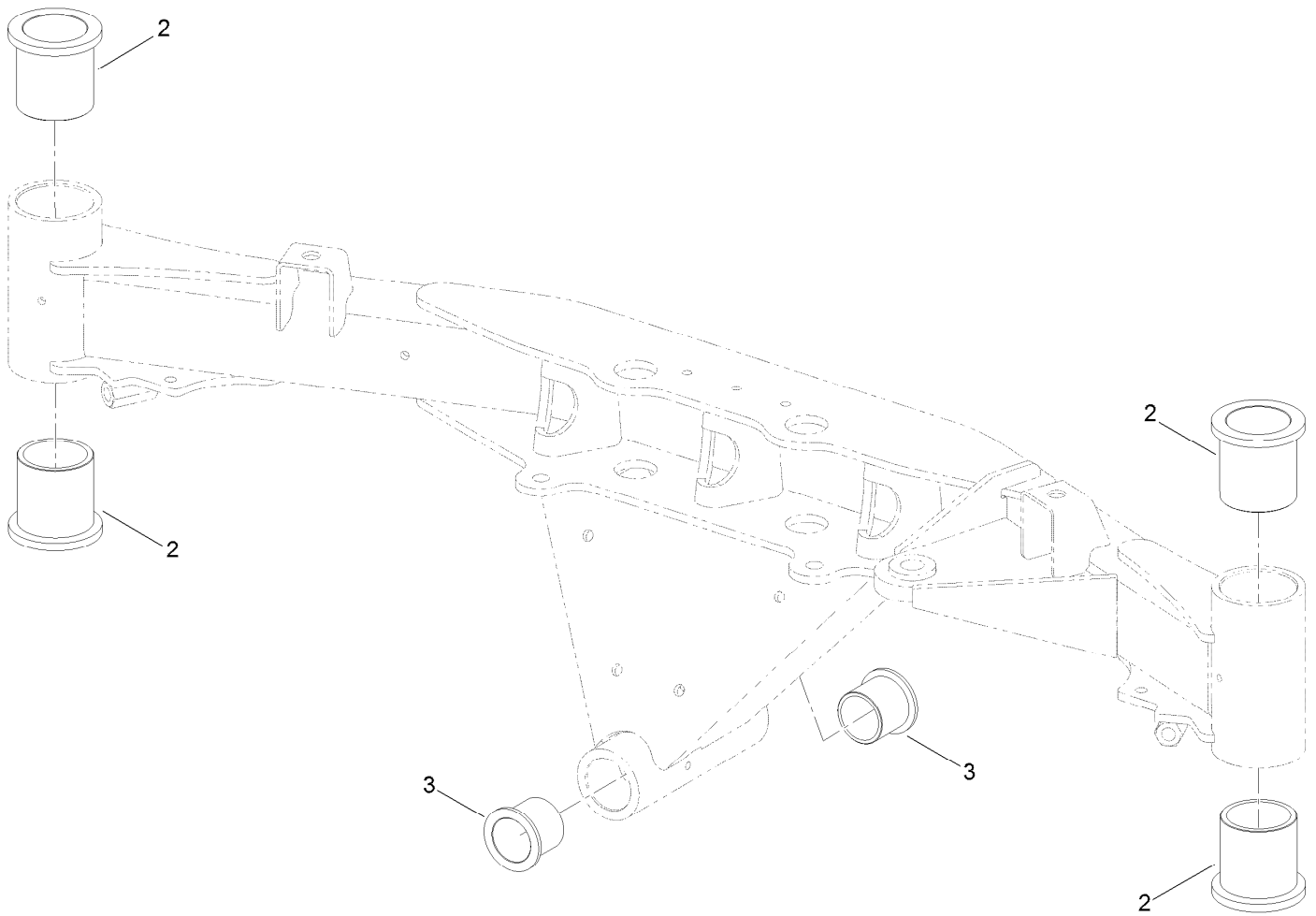
# Front Axle and Tie Rod Assembly



## Front Axle and Tie Rod Assembly (continued)

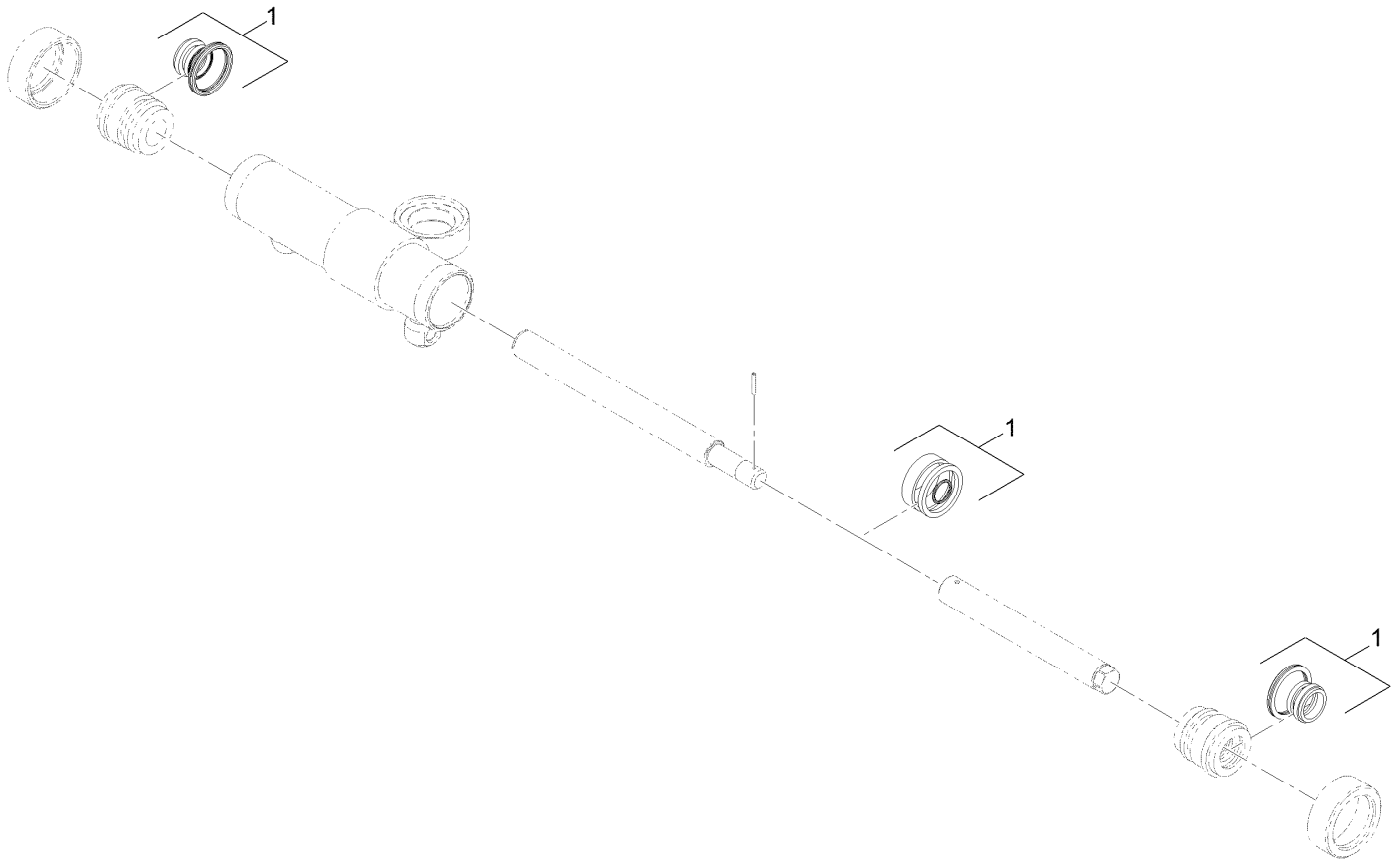
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 119-1447           | 1           | Front Axle ASM           | 19          | 100-2508           | 2           | Washer-Thrust      |
| 2           | 119-1376           | 1           | Shaft-Pivot              | 20          | 302-2              | 2           | Fitting-Grease     |
| 3           | 32121-110          | 1           | Pin-Roll, Slotted        | 21          | 100-4196           | 2           | Ring-Retaining     |
| 4           | 120-0238           | 1           | Spacer-Cylinder          | 22          | 115-0169           | 2           | Washer-Thrust      |
| 5           | 98-1452            | 3           | Washer-Thrust            | 23          | 100-3362           | 2           | Cap-Spindle        |
| 6           | 3296-68            | 1           | Nut-Lock, NI             | 24          | 3234-12            | 2           | Screw-HHF          |
| 7           | 117-2920-03        | 1           | Support-Axle             | 25          | 302-5              | 4           | Fitting-Grease     |
| 8           | 3234-38            | 6           | Screw-HHF                | 26          | 117-2986           | 1           | Centerlink         |
| 9           | 99-5107            | 6           | Nut-Lock                 | 27          | 3218-5             | 2           | Nut-Jam            |
| 10          | 302-60             | 2           | Fitting-Grease           | 28          | 3272-12            | 6           | Pin-Cotter         |
| 11          | 32136-3            | 2           | Nut-SHH                  | 29          | 120-0391           | 1           | Front LH Arm ASM   |
| 12          | 115-0060           | 1           | HYD Cylinder ASM         | 29:2        | 94-8947            | 2           | Bushing-Flange     |
| 13          | 340-2              | 2           | Fitting-HYD, Straight    | 30          | 325-6              | 2           | Screw-HH           |
| 13:1        | 237-22             | 1           | O-Ring                   | 31          | 117-3167           | 2           | Front Pin ASM      |
| 13:2        | 237-42             | 1           | O-Ring                   | 32          | 120-0390           | 1           | Front RH Arm ASM   |
| 14          | 32151-104          | 3           | Ring-Retaining, External | 32:2        | 94-8947            | 2           | Bushing-Flange     |
| 15          | 84-5300            | 1           | Nut-Jam                  | 33          | 99-5105            | 2           | Bolt-Shoulder      |
| 16          | 71-4740-03         | 1           | RH Tie Rod End ASM       | 34          | 117-2983           | 2           | Rod-Tie, Front     |
| 16:1        |                    | 1           | End-Rod, Tie (RH)●       | 34:1        | 42-9650            | 1           | Nut-Hex, Jam       |
| 16:1:1      | 105-7941           | 1           | Nut-Hex, Slotted         | 34:2        | 117-3287           | 1           | Dust Boot          |
| 16:1:2      | 105-7835           | 1           | Seal                     | 34:5        | 302-5              | 1           | Fitting-Grease     |
| 16:1:3      | 302-5              | 1           | Fitting-Grease           | 35          | 93-4628            | 1           | Washer             |
| 17          | 106-6774           | 3           | Joint-Ball               | 36          | 105-4886           | 2           | Nut-Tinnerman      |
| 18          | 32136-2            | 3           | Nut-SHH                  |             |                    |             |                    |

● Not serviced separately



## Front Axle Assembly No. 119-1447

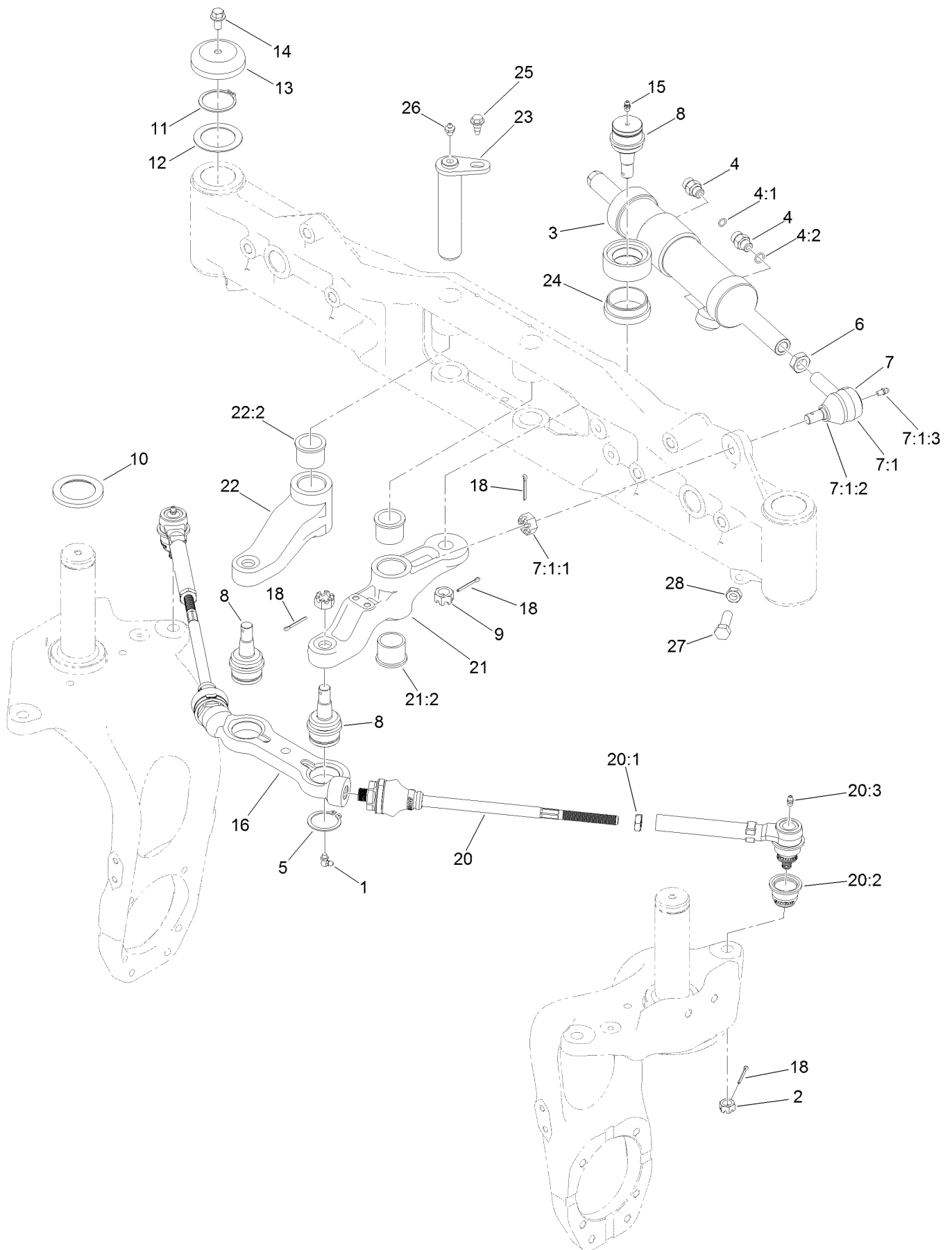
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 2    | 125-4386    | 4    | Bushing-Castor |
| 3    | 69-6470     | 2    | Bushing-Castor |



## Hydraulic Cylinder Assembly No. 115-0060

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 120-2557    | 1    | Seal Kit    |

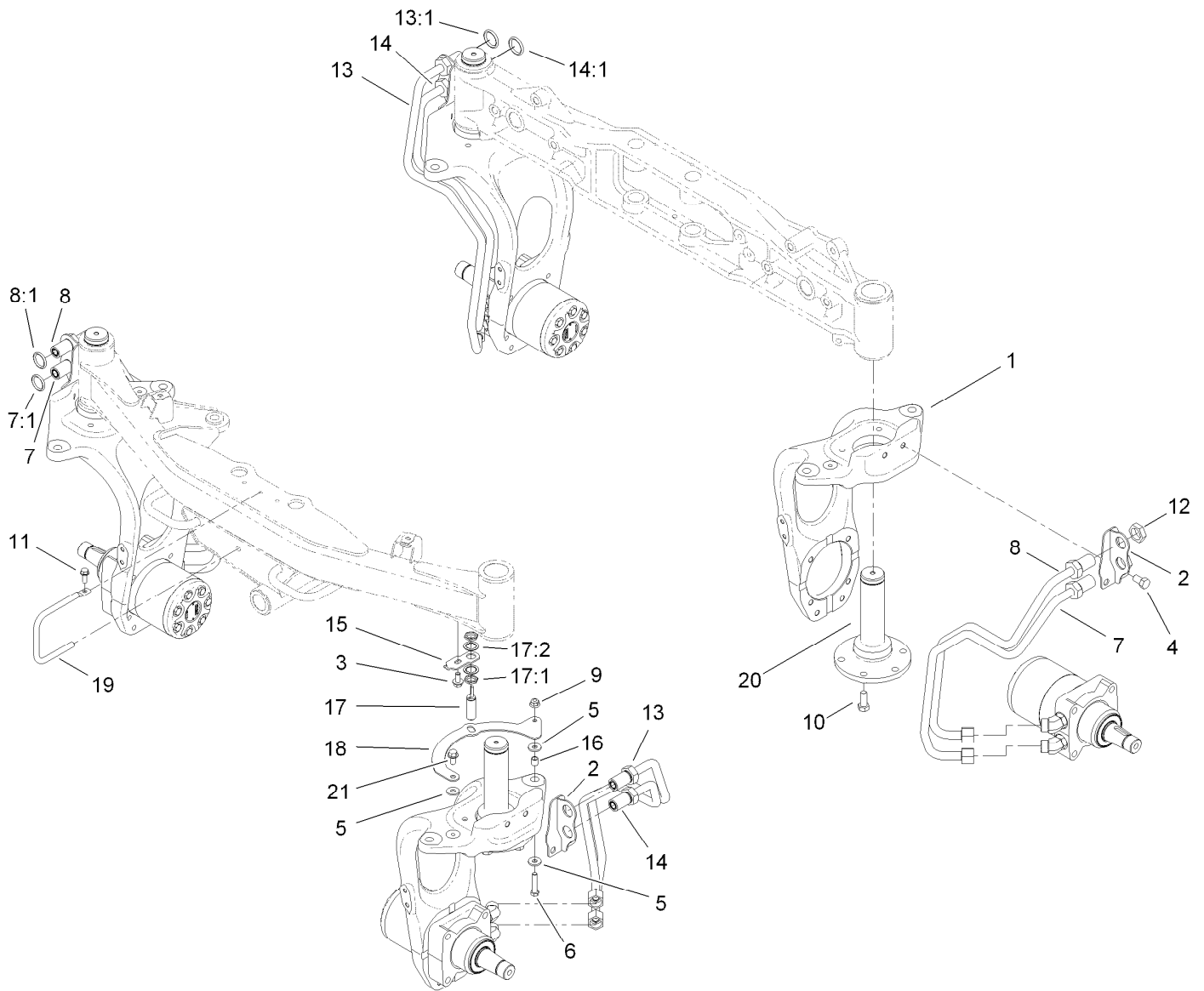
# Rear Steering Assembly



## Rear Steering Assembly (continued)

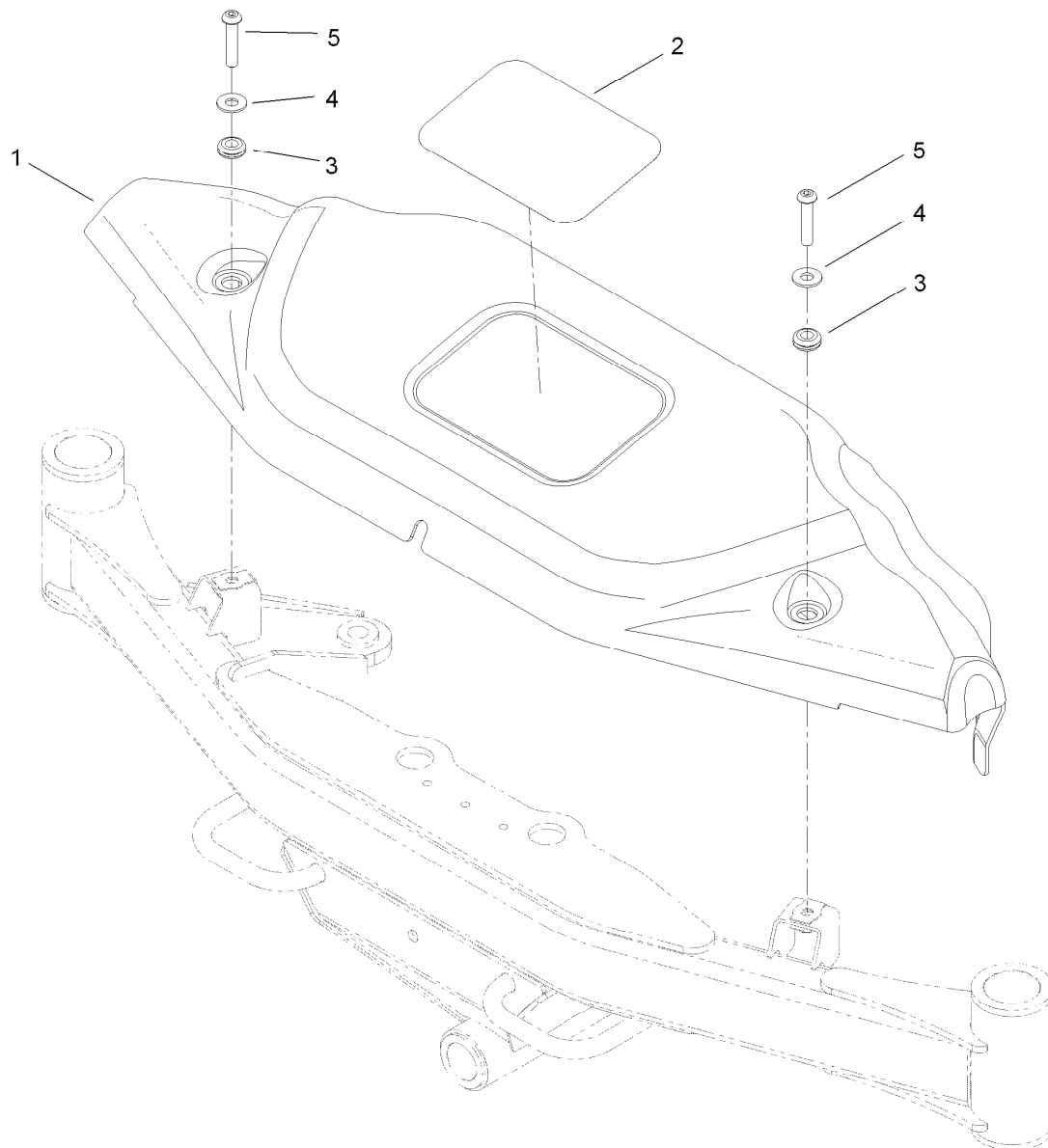
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 302-60             | 2           | Fitting-Grease           | 14          | 3234-12            | 2           | Screw-HHF          |
| 2           | 32136-3            | 2           | Nut-SHH                  | 15          | 302-5              | 1           | Fitting-Grease     |
| 3           | 115-0060           | 1           | HYD Cylinder ASM         | 16          | 117-2986           | 1           | Centerlink         |
| 4           | 340-2              | 2           | Fitting-HYD, Straight    | 18          | 3272-12            | 6           | Pin-Cotter         |
| 4:1         | 237-22             | 1           | O-Ring                   | 20          | 117-2984           | 2           | Rod-Tie, Rear      |
| 4:2         | 237-42             | 1           | O-Ring                   | 20:1        | 42-9650            | 1           | Nut-Hex, Jam       |
| 5           | 32151-104          | 3           | Ring-Retaining, External | 20:2        | 117-3287           | 1           | Dust Boot          |
| 6           | 84-5300            | 1           | Nut-Jam                  | 20:3        | 302-5              | 1           | Fitting-Grease     |
| 7           | 71-4740-03         | 1           | RH Tie Rod End ASM       | 21          | 120-0393           | 1           | Rear LH Arm ASM    |
| 7:1         |                    | 1           | End-Rod, Tie (RH) ●      | 21:2        | 94-8947            | 2           | Bushing-Flange     |
| 7:1:1       | 105-7941           | 1           | Nut-Hex, Slotted         | 22          | 120-0392           | 1           | Rear RH Arm ASM    |
| 7:1:2       | 105-7835           | 1           | Seal                     | 22:2        | 94-8947            | 2           | Bushing-Flange     |
| 7:1:3       | 302-5              | 1           | Fitting-Grease           | 23          | 117-3137           | 2           | Pin ASM            |
| 8           | 106-6774           | 3           | Joint-Ball               | 24          | 120-0238           | 1           | Spacer-Cylinder    |
| 9           | 32136-2            | 3           | Nut-SHH                  | 25          | 99-5105            | 2           | Bolt-Shoulder      |
| 10          | 100-2508           | 2           | Washer-Thrust            | 26          | 302-2              | 2           | Fitting-Grease     |
| 11          | 100-4196           | 2           | Ring-Retaining           | 27          | 325-6              | 2           | Screw-HH           |
| 12          | 115-0169           | 2           | Washer-Thrust            | 28          | 3218-5             | 2           | Nut-Jam            |
| 13          | 100-3362           | 2           | Cap-Spindle              |             |                    |             |                    |

● Not serviced separately



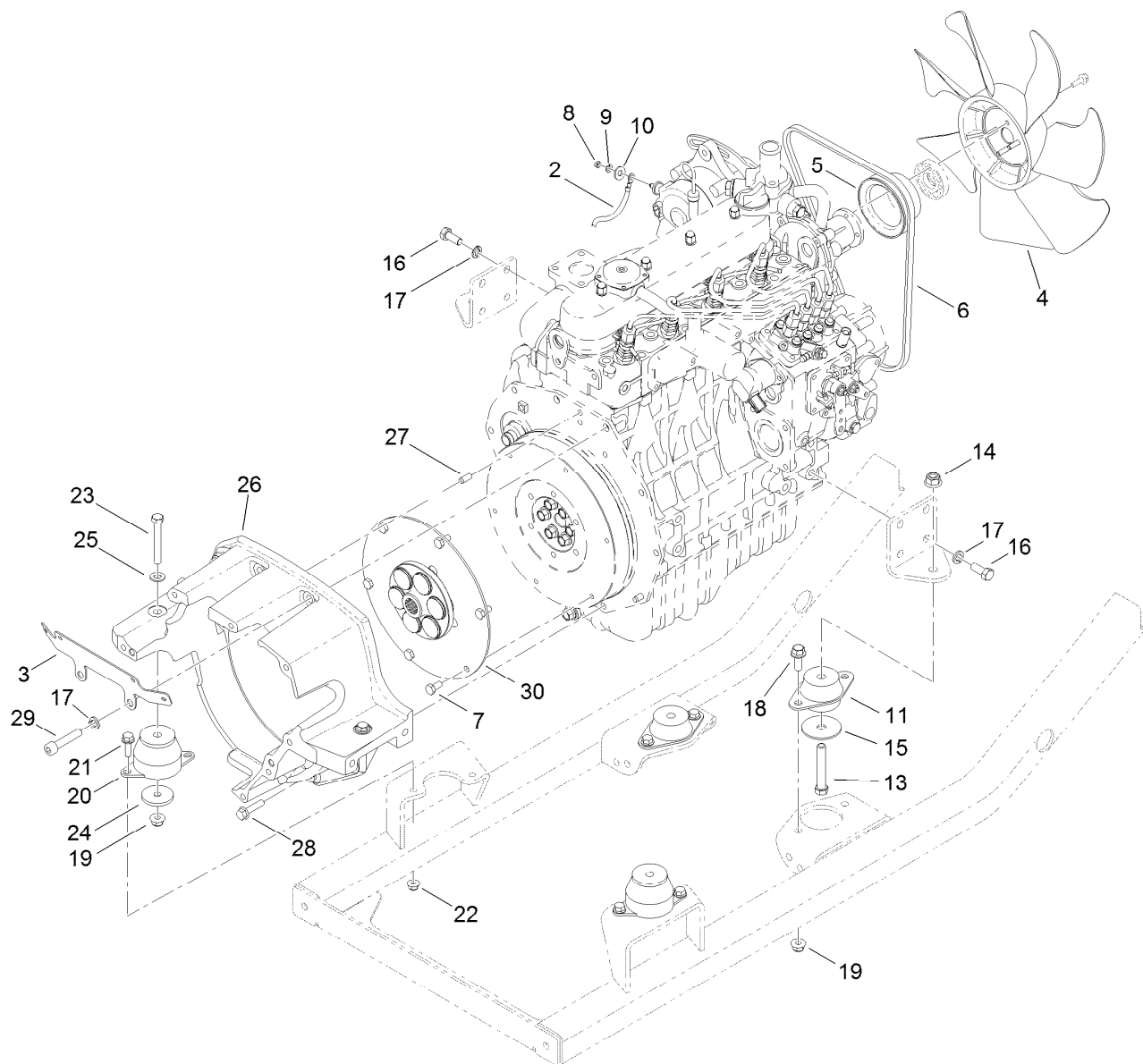
## 4 Wheel Drive Steering Assembly

| Ref. | Part Number | Qty. | Description           | Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------|------|-------------|------|-----------------------------|
| 1    | 117-2951    | 4    | Base-Fork, Steer      | 13   | 117-2946    | 2    | Upper Tube ASM (Rlrf)       |
| 2    | 119-1410-03 | 4    | Bracket-Bulkhead      | 13:1 | 237-65      | 1    | O-Ring                      |
| 3    | 110-9380    | 1    | Screw-HWH             | 14   | 117-2947    | 2    | Lower Tube ASM (Rlrf)       |
| 4    | 325-3       | 8    | Screw-HH              | 14:1 | 237-65      | 1    | O-Ring                      |
| 5    | 5-0838      | 3    | Washer                | 15   | 119-1413    | 1    | Bracket-Sensor              |
| 6    | 32128-21    | 1    | Nut-HF                | 16   | 103-1166    | 1    | Spacer-Tube, Pump Link      |
| 7    | 117-2948    | 2    | Upper Tube ASM (Lrrf) | 17   | 115-5300    | 1    | Proximity Switch ASM        |
| 7:1  | 237-65      | 1    | O-Ring                | 17:1 | 117-3207    | 2    | Nut-Hex                     |
| 8    | 117-2949    | 2    | Lower Tube ASM (Lrrf) | 17:2 | 117-3208    | 2    | Washer-Lock, Internal Tooth |
| 8:1  | 237-65      | 1    | O-Ring                | 18   | 117-2216-03 | 1    | Bracket-Target              |
| 9    | 323-8       | 1    | Screw-HH              | 19   | 117-3178    | 1    | Rod-Guide                   |
| 10   | 117-3266    | 20   | Screw-HH              | 20   | 117-3361    | 4    | Spindle-Steer               |
| 11   | 32144-41    | 1    | Screw-Taptite         | 21   | 3234-47     | 1    | Screw-HHF                   |
| 12   | 340-74      | 8    | Nut-Lock, Bulkhead    |      |             |      |                             |



## Front Cover Assembly

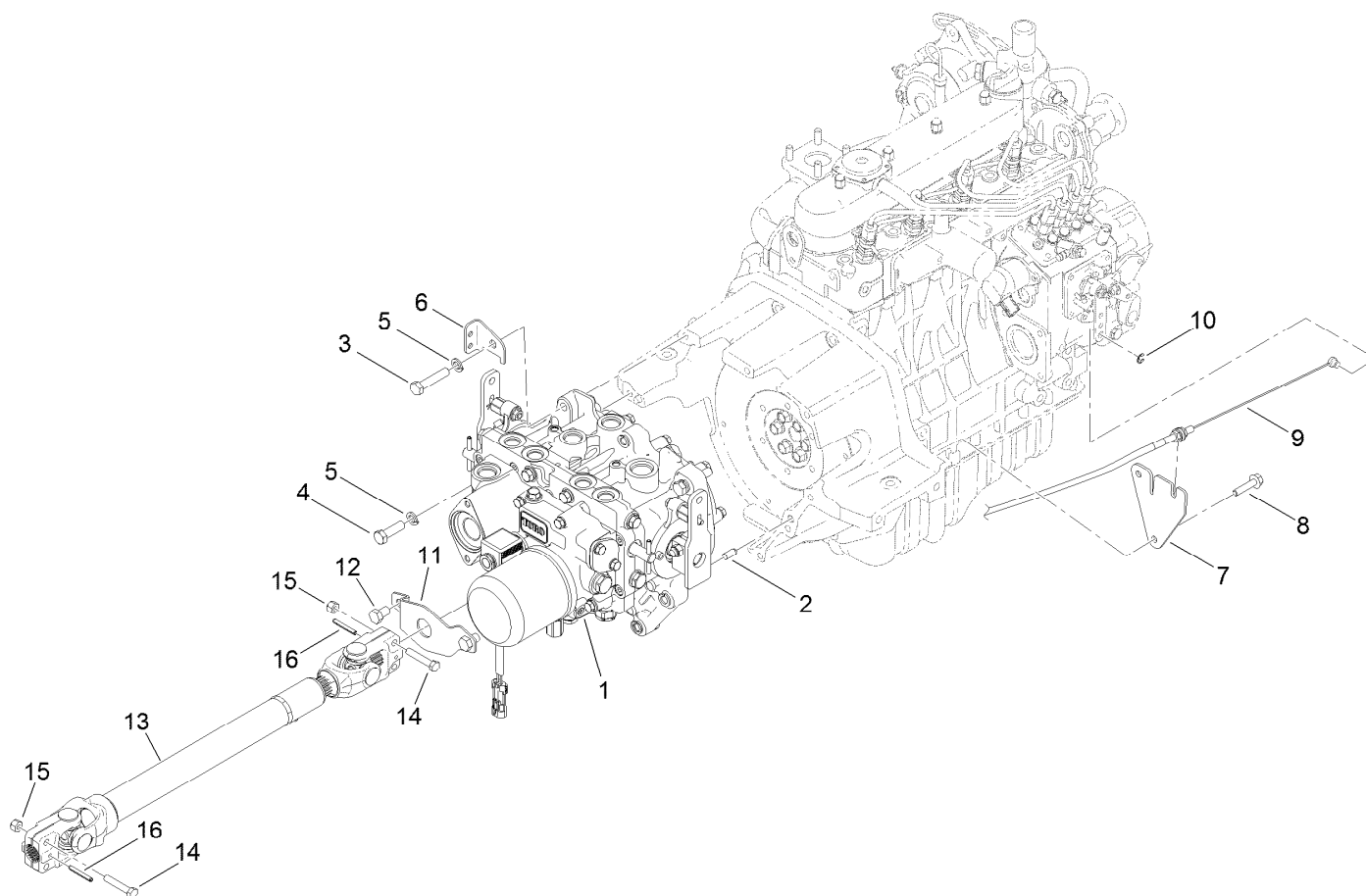
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 119-9889    | 1    | Cover-Front |
| 2    | 104-7213    | 1    | Decal       |
| 3    | 1-633630    | 2    | Grommet     |
| 4    | 100-7403    | 2    | Washer-Flat |
| 5    | 95-3857     | 2    | Screw-HSBH  |



## Engine Component Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 2    | 100-5552    | 1    | Harness-Wire        |
| 3    | 117-3173-03 | 1    | Support-Cable       |
| 4    | 107-9096    | 1    | Fan-Cooling         |
| 5    | 99-3453     | 1    | Pulley-Fan          |
| 6    | 115-0123    | 1    | V-Belt              |
| 7    | 99-5132     | 6    | Bolt                |
| 8    | 33013-00    | 1    | Nut-Hex             |
| 9    | 43-5930     | 1    | Washer-Lock, Spring |
| 10   | 3256-2      | 1    | Washer-Flat         |
| 11   | 53-9681     | 2    | Mount-Engine        |
| 13   | 324-11      | 2    | Screw-HH            |
| 14   | 114-8417    | 2    | Nut-HF, NI          |
| 15   | 87-5100     | 2    | Washer-Snubbing     |
| 16   | 43-0090     | 8    | Screw-HH            |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 17   | 48-9590     | 10   | Washer-Lock       |
| 18   | 3234-42     | 4    | Screw-HHF         |
| 19   | 104-8301    | 6    | Nut-Flange, NI    |
| 20   | 107-2289    | 2    | Mount-Motor       |
| 21   | 3234-17     | 4    | Screw-HHF         |
| 22   | 104-8300    | 4    | Nut-Flange, NI    |
| 23   | 323-13      | 2    | Screw-HH          |
| 24   | 80-8560     | 2    | Washer-Hardened   |
| 25   | 3256-24     | 2    | Washer-Flat       |
| 26   | 125-9219    | 1    | Housing-Flywheel  |
| 27   | 87-1910     | 2    | Pin-Dowel         |
| 28   | 33104-035   | 6    | Screw-HHF         |
| 29   | 3274-106    | 2    | Screw-HSH         |
| 30   | 110-9729    | 1    | Coupling-Flywheel |

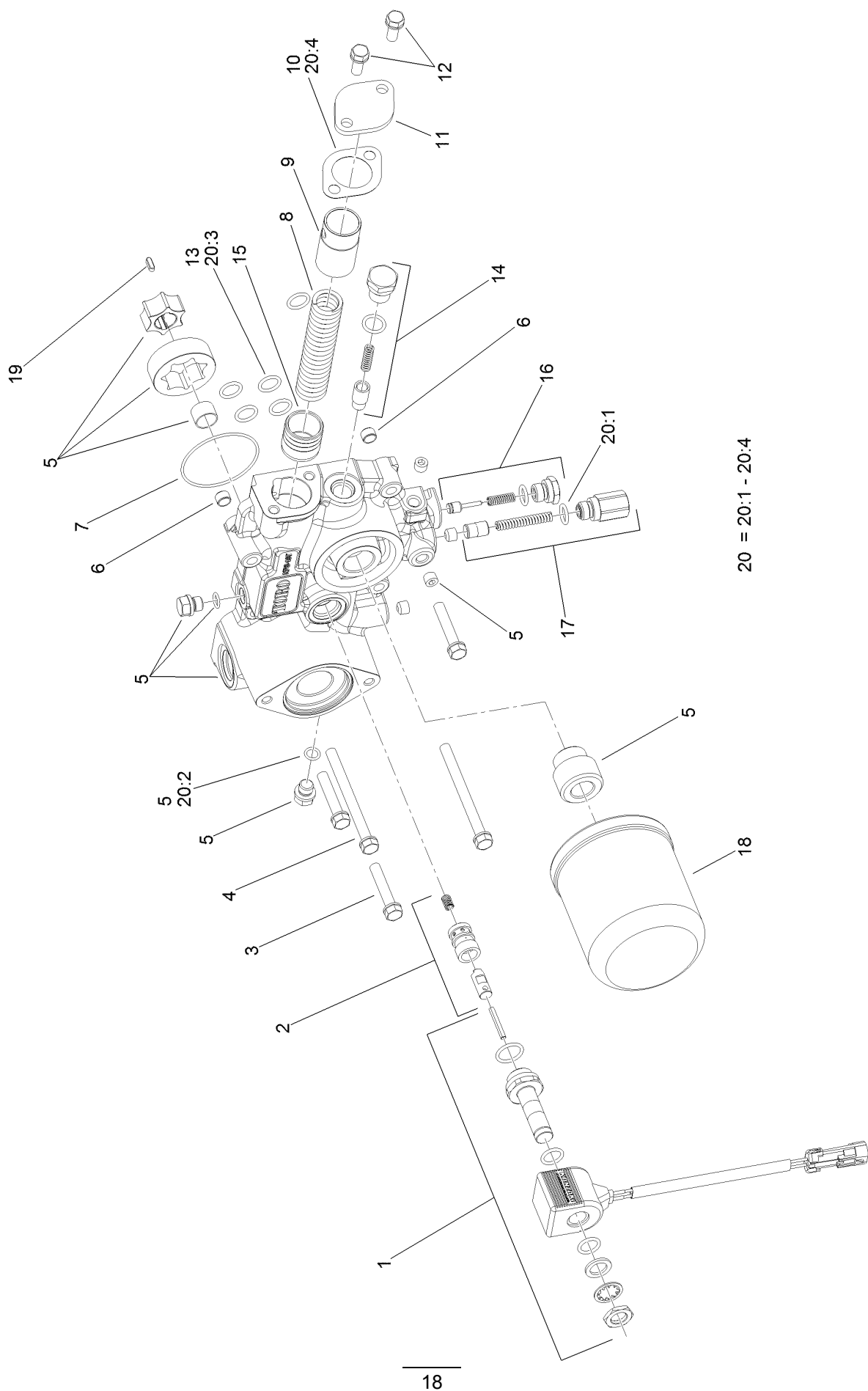


## Transmission Component Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 125-9290    | 1    | Transmisson ASM  |
| 2    | 87-1910     | 2    | Pin-Dowel        |
| 3    | 33115-050   | 6    | Screw-HH         |
| 4    | 33115-035   | 1    | Screw-HH         |
| 5    | 48-9590     | 7    | Washer-Lock      |
| 6    | 120-0239    | 1    | Support-Tube     |
| 7    | 114-4060    | 1    | Bracket-Throttle |
| 8    | 33104-035   | 2    | Screw-HHF        |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 9    | 115-0339    | 1    | Cable-Throttle/Choke |
| 10   | 701197      | 1    | E-Ring               |
| 11   | 114-4088    | 1    | Shield-Seal          |
| 12   | 33115-016   | 2    | Screw-HH             |
| 13   | 110-3575    | 1    | Driveshaft ASM       |
| 14   | 322-9       | 4    | Screw-HH             |
| 15   | 3296-29     | 4    | Nut-Lock, NI         |
| 16   | 32121-34    | 2    | Pin-Roll             |

# **Charge Pump Housing Assembly** **Transmission Assembly No. 125-9290**



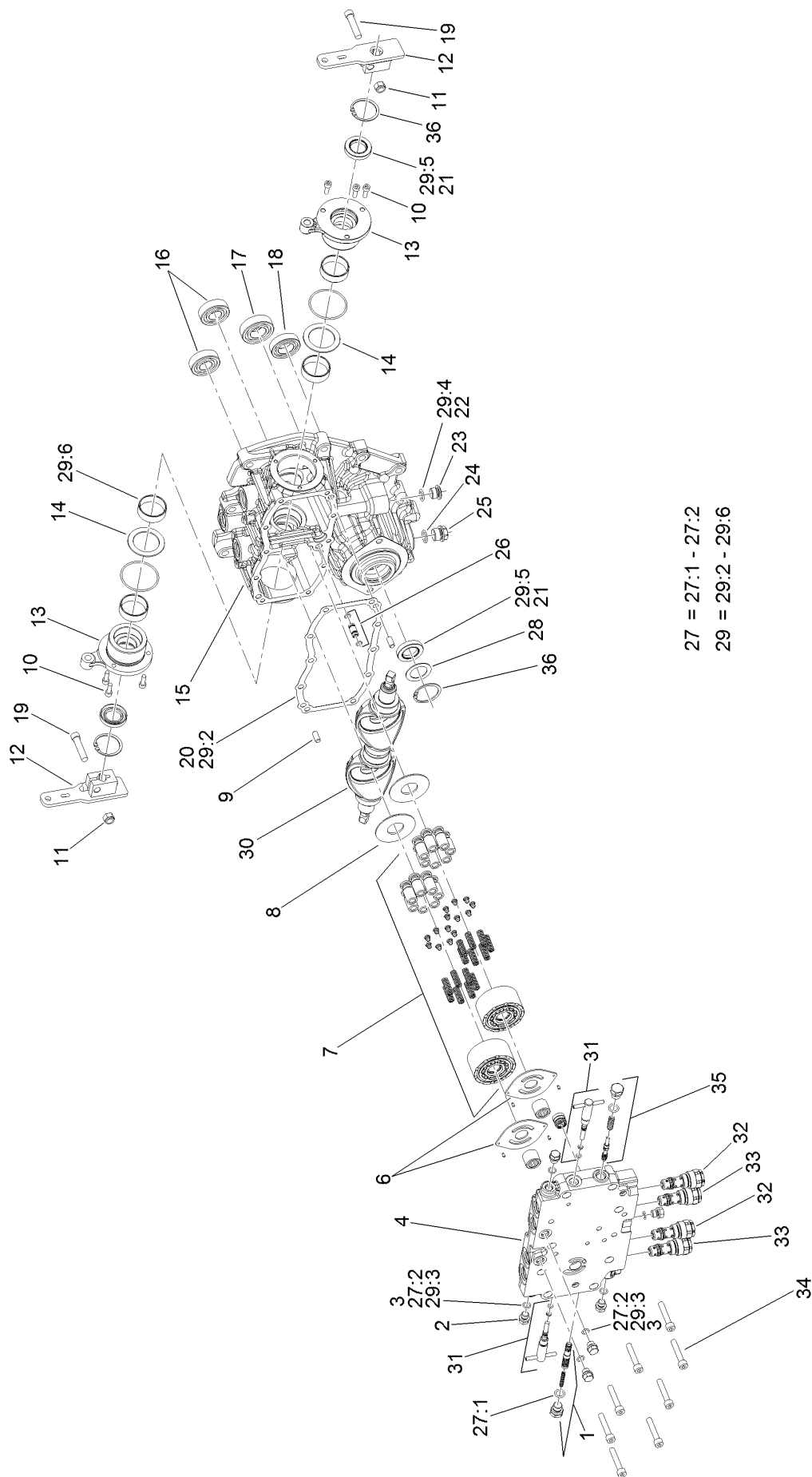
# Charge Pump Housing Assembly

## Transmission Assembly No. 125-9290 (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>      |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 107-0851           | 1           | Solenoid ASM        | 13          | 104-3298           | 1           | Packing                 |
| 2           | 107-0850           | 1           | Solenoid Valve ASM  | 14          | 107-0843           | 1           | Filter Bypass Valve ASM |
| 3           | 107-0863           | 3           | Bolt                | 15          | 107-0818           | 1           | Piston                  |
| 4           | 107-0864           | 2           | Bolt                | 16          | 120-5153           | 1           | Charge Relief Valve ASM |
| 5           | 107-0840           | 1           | Pump Body ASM       | 17          | 107-0841           | 1           | Pressure Valve ASM      |
| 6           | 107-0848           | 2           | Pin                 | 18          | 108-5194           | 1           | Filter-Oil, HYD         |
| 7           | 107-0856           | 1           | O-Ring              | 19          | 107-0865           | 1           | Key                     |
| 8           | 107-0845           | 1           | Spring              | 20          | 107-0855           | 1           | Charge Pump Seal Kit    |
| 9           | 107-0844           | 1           | Collar              | 20:1        | 93-0418            | 2           | O-Ring                  |
| 10          | 107-0847           | 1           | Gasket              | 20:2        | 107-0817           | 2           | O Ring-Plug             |
| 11          | 107-0846           | 1           | Cover               | 20:3        | 104-3298           | 6           | Packing                 |
| 12          | 93-0457            | 2           | Bolt And Washer ASM | 20:4        | 107-0847           | 1           | Gasket                  |

# Center Section Assembly

## Transmission Assembly No. 125-9290



27 = 27:1 - 27:2  
29 = 29:2 - 29:6

# Center Section Assembly

## Transmission Assembly No. 125-9290 (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>    |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 107-0807           | 1           | Valve-Flushing, RH  | 23          | 107-0861           | 1           | Plug-NPTF             |
| 2           | 107-0857           | 6           | Plug                | 24          | 237-79             | 1           | O-Ring                |
| 3           | 107-0817           | 6           | O Ring-Plug         | 25          | 107-0867           | 1           | Plug                  |
| 4           | 120-5150           | 1           | Center Case ASM     | 26          | 107-0812           | 1           | Pipe                  |
| 6           | 107-0805           | 2           | Plate-Valve         | 27          | 107-0852           | 1           | Center Case Seal Kit  |
| 7           | 107-0824           | 2           | Cylinder Block ASM  | 27:1        | 93-0418            | 2           | O-Ring                |
| 8           | 107-0830           | 2           | Plate-Thrust        | 27:2        | 107-0817           | 6           | O Ring-Plug           |
| 9           | 92-0765            | 4           | Pin-Parallel        | 28          | 107-0813           | 1           | Spacer                |
| 10          | 107-0859           | 6           | Bolt                | 29          | 107-0853           | 1           | Pump Housing Seal Kit |
| 11          | 120-6681           | 2           | U-Nut               | 29:2        | 107-0810           | 1           | Gasket-Case, Center   |
| 12          | 131-5505           | 2           | Arm-Control         | 29:3        | 107-0817           | 2           | O Ring-Plug           |
| 13          | 107-0832           | 2           | Side Cover ASM      | 29:4        | 104-3298           | 1           | Packing               |
| 14          | 107-0829           | 2           | Washer              | 29:5        | 107-0814           | 3           | Seal                  |
| 15          | 120-5151           | 1           | Pump Housing ASM    | 29:6        | 107-0825           | 4           | Ring-Seal             |
| 16          | 107-0826           | 2           | Bearing             | 30          | 120-6679           | 2           | Plate-Swash           |
| 17          | 107-0821           | 1           | Bearing             | 31          | 107-0808           | 2           | Valve-Bypass          |
| 18          | 107-0838           | 1           | Bearing             | 32          | 107-0804           | 2           | Valve-Rear            |
| 19          | 120-6682           | 2           | Bolt                | 33          | 107-0803           | 2           | Valve-Front           |
| 20          | 107-0810           | 2           | Gasket-Case, Center | 34          | 107-0863           | 8           | Bolt                  |
| 21          | 107-0814           | 1           | Seal                | 35          | 107-0806           | 1           | Valve-Flushing, LH    |
| 22          | 104-3298           | 1           | Packing             | 36          | 92-0757            | 2           | Ring-Snap             |

This technical drawing shows an exploded perspective view of a mechanical assembly. The components are numbered as follows:

- 1**: Main housing or base plate.
- 2**: A long, thin rectangular plate or gasket.
- 3**: A small rectangular plate or gasket.
- 4**: A small pin or screw.
- 5**: A long, thin rectangular plate or gasket.
- 6**: A small pin or screw.
- 7**: A small pin or screw.
- 8**: A small pin or screw.
- 9**: A small pin or screw.
- 10**: A small pin or screw.
- 11**: A small pin or screw.
- 12**: A small pin or screw.
- 13**: A small pin or screw.
- 14**: A small pin or screw.
- 15**: A small pin or screw.
- 16**: A small pin or screw.
- 17**: A small pin or screw.
- 18**: A small pin or screw.
- 19**: A small pin or screw.
- 20**: A small pin or screw.
- 21**: A small pin or screw.
- 22**: A small pin or screw.
- 23**: A small pin or screw.
- 24**: A small pin or screw.
- 25**: A small pin or screw.
- 26**: A small pin or screw.
- 27**: A small pin or screw.
- 28**: A small pin or screw.
- 29**: A small pin or screw.
- 30**: A small pin or screw.
- 30:1**: A small pin or screw.
- 30:2**: A small pin or screw.
- 30:3**: A small pin or screw.
- 30:4**: A small pin or screw.
- 30:5**: A small pin or screw.

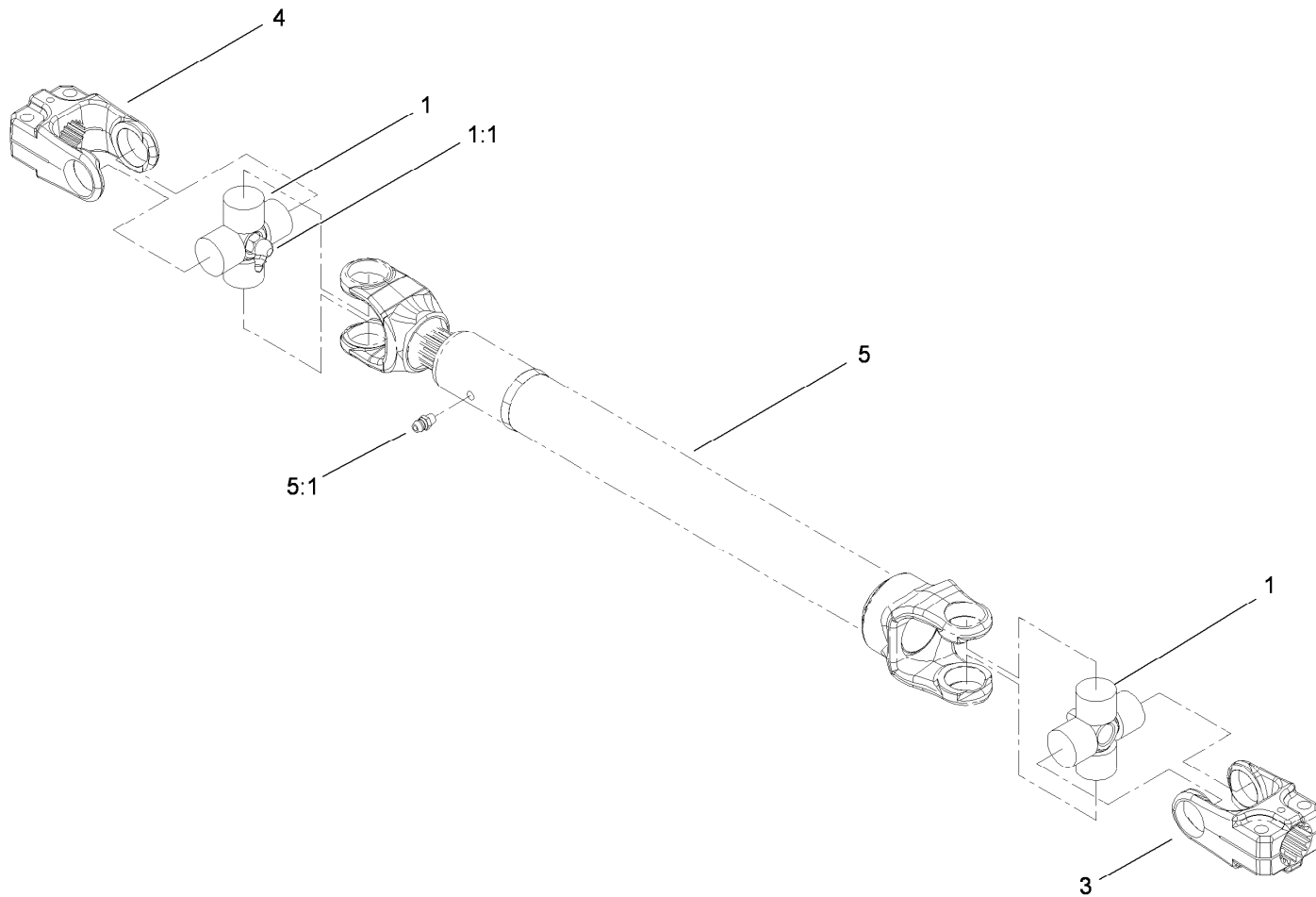
The assembly is shown in a disassembled state, with components arranged in a linear fashion along a central axis. The drawing is a technical illustration, likely a patent drawing, showing the exploded view of a mechanical assembly. The components are numbered 1 through 30:5, indicating a specific sequence or assembly order. The drawing is oriented vertically, with the main housing (1) at the top and the base plate (2) at the bottom. The exploded view shows the relative positions and assembly relationships between the various parts, including pins, screws, and gaskets. The drawing is a technical illustration, likely a patent drawing, showing the exploded view of a mechanical assembly. The components are numbered 1 through 30:5, indicating a specific sequence or assembly order. The drawing is oriented vertically, with the main housing (1) at the top and the base plate (2) at the bottom. The exploded view shows the relative positions and assembly relationships between the various parts, including pins, screws, and gaskets.

# Gear Case and Clutch Assembly

## Transmission Assembly No. 125-9290 (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>    |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 107-0839           | 1           | PTO Brake ASM        | 19          | 107-0811           | 1           | Pipe                  |
| 2           | 107-0837           | 3           | Rod-Push             | 20          | 107-0821           | 2           | Bearing               |
| 3           | 107-0833           | 1           | PTO Shaft ASM        | 21          | 107-0836           | 1           | Spacer                |
| 4           | 107-0825           | 2           | Ring-Seal            | 22          | 107-0820           | 1           | Gear-Input            |
| 5           | 107-0827           | 1           | Shaft-Pump           | 23          | 107-0834           | 1           | Gear-PTO              |
| 6           | 107-0823           | 2           | Gear-Pump            | 24          | 107-0822           | 1           | Shaft-Pump            |
| 7           | 92-0765            | 4           | Pin-Parallel         | 25          | 107-0819           | 1           | Shaft-Input           |
| 8           | 107-0816           | 1           | Gasket-Housing, Gear | 26          | 92-0758            | 1           | Ring-Snap             |
| 9           | 107-0826           | 4           | Bearing              | 27          | 107-0838           | 3           | Bearing               |
| 10          | 120-5152           | 1           | Housing-Case, Gear   | 28          | 107-0866           | 1           | Key                   |
| 11          | 107-0863           | 13          | Bolt                 | 29          | 107-0835           | 1           | Clutch Cylinder ASM   |
| 12          | 92-0757            | 1           | Ring-Snap            | 30          | 107-0854           | 1           | Gear Housing Seal Kit |
| 13          | 107-0813           | 1           | Spacer               | 30:1        | 107-0817           | 2           | O Ring-Plug           |
| 14          | 107-0814           | 1           | Seal                 | 30:2        |                    | 2           | O-Ring ●              |
| 15          | 104-3298           | 1           | Packing              | 30:3        | 104-3298           | 1           | Packing               |
| 16          | 107-0861           | 1           | Plug-NPTF            | 30:4        | 107-0814           | 1           | Seal                  |
| 17          | 107-0817           | 6           | O Ring-Plug          | 30:5        | 107-0816           | 1           | Gasket-Housing, Gear  |
| 18          | 107-0857           | 6           | Plug                 |             |                    |             |                       |

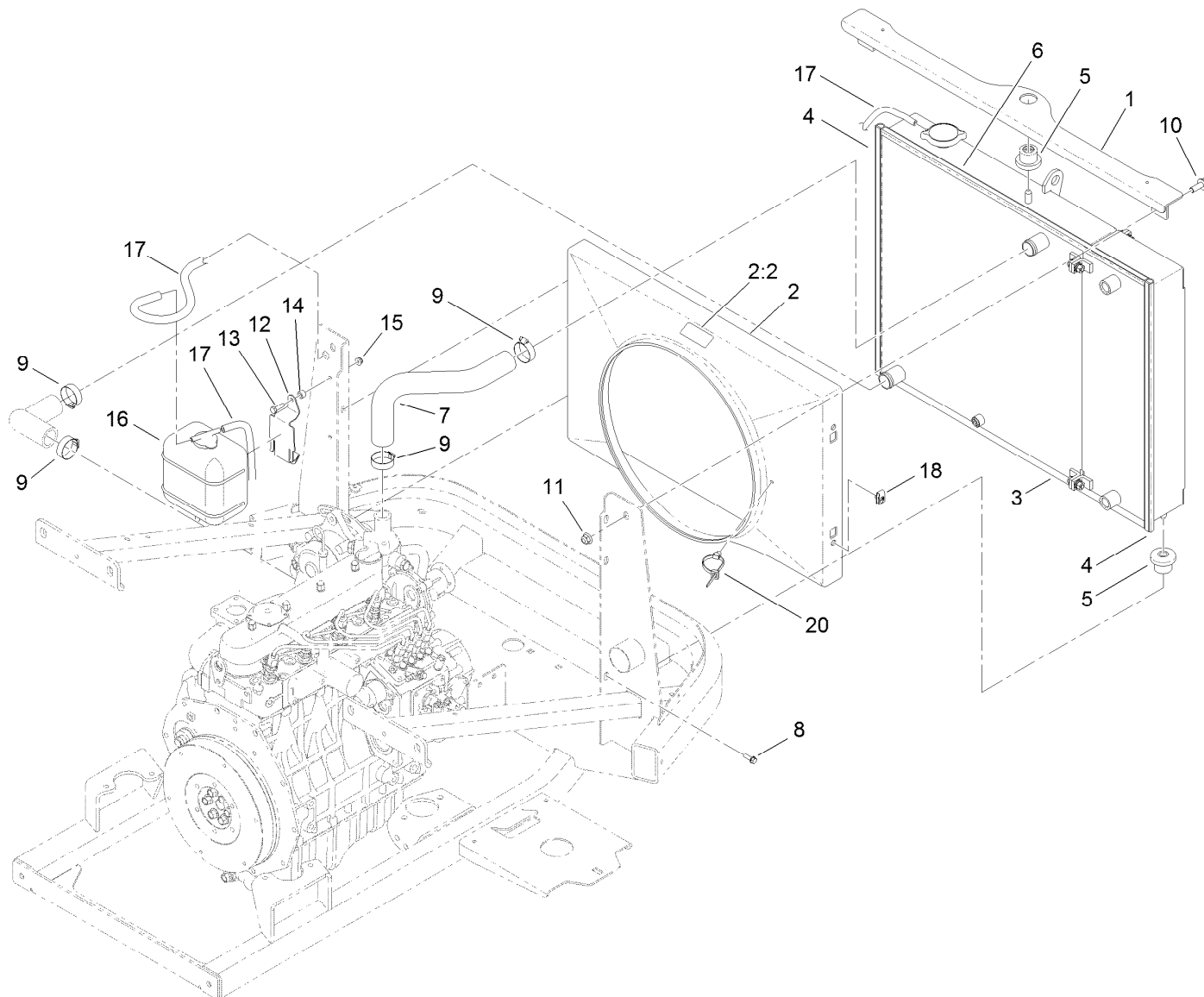
● Not serviced separately



## Driveshaft Assembly No. 110-3575

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 112-1687    | 2    | Cross And Bearing Kit |
| 1:1  | 62-3820     | 1    | Fitting-Grease        |
| 3    | 54-9040     | 1    | Yoke-End              |
| 4    | 54-9090     | 1    | Yoke-End              |
| 5    |             | 1    | Tube-Yoke, Slip ●     |
| 5:1  | 302-22      | 1    | Fitting-Grease        |

● Not serviced separately

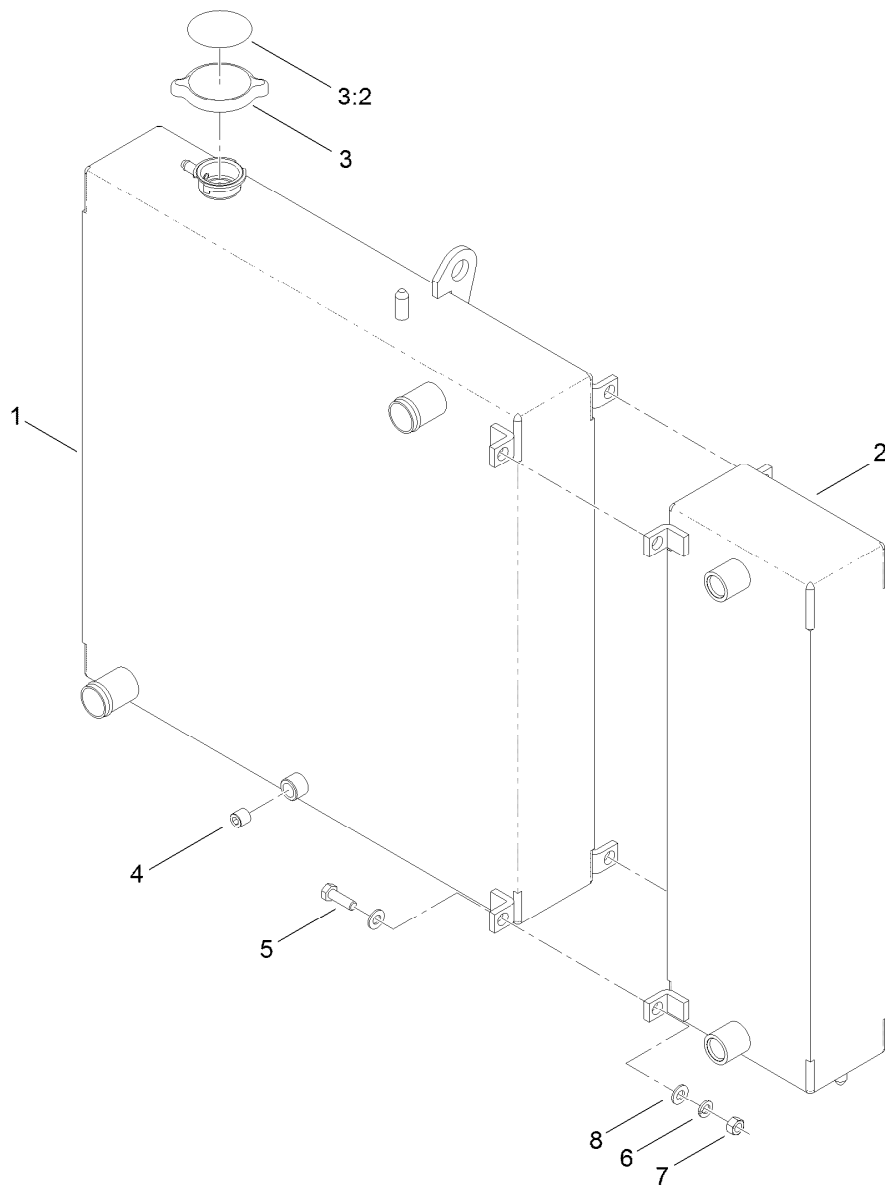


## Radiator Component Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 119-1423-03 | 1    | Support-Radiator          |
| 2    | 117-3268    | 1    | Shroud Fan ASM            |
| 2:2  | 117-4766    | 1    | Decal-Warning, Fan        |
| 3    |             | 1    | Radiator And Cooler ASM ● |
| 4    | 119-1426    | 2    | Seal-Bulb                 |
| 5    | 119-1422    | 3    | Mount-Isolator            |
| 6    | 119-1427    | 2    | Seal-Bulb                 |
| 7    | 115-0330    | 1    | Hose-Radiator, Upper      |
| 8    | 32105-15    | 4    | Screw-HWH                 |
| 9    | 2412-34     | 4    | Clamp-Hose                |

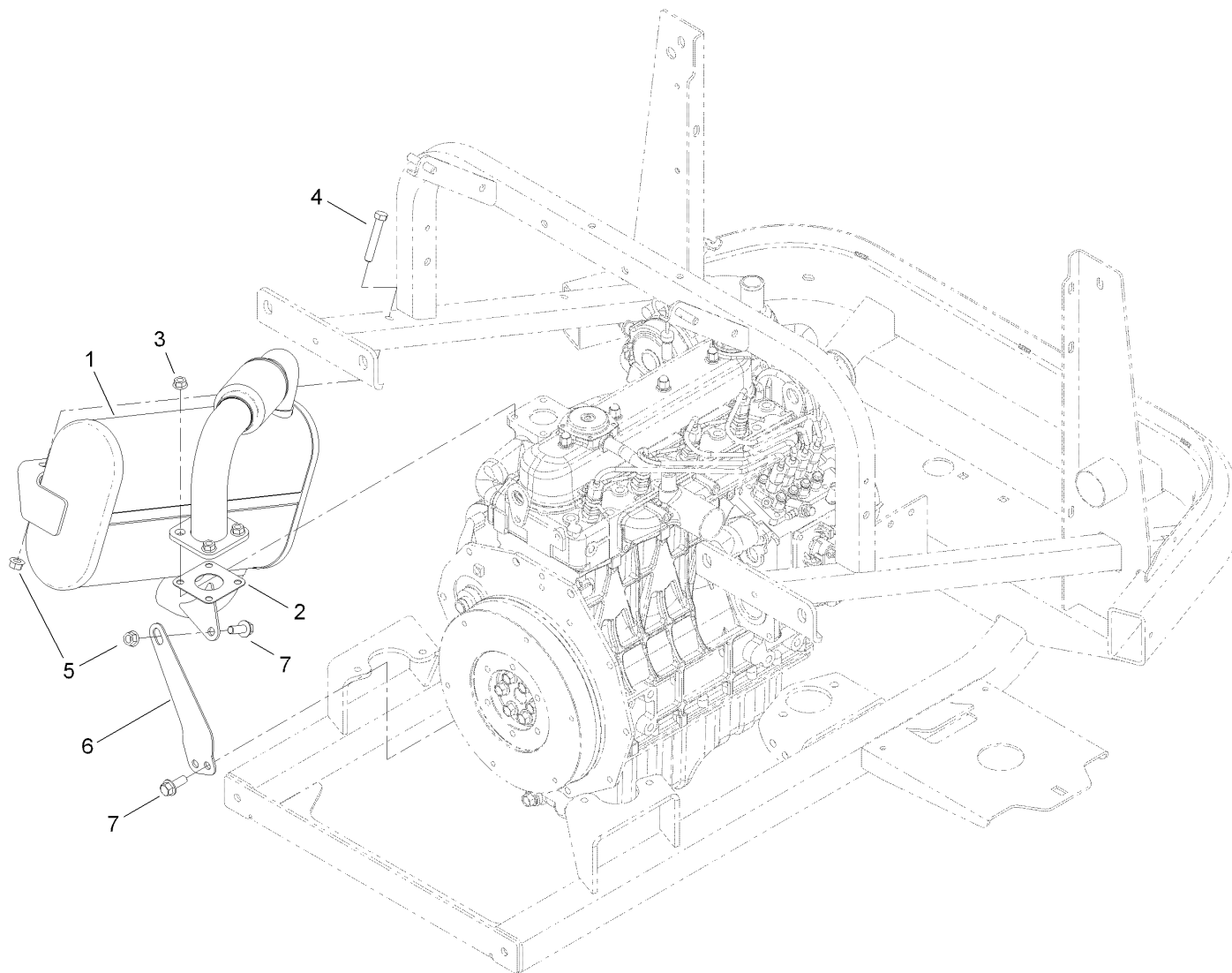
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 3234-42     | 2    | Screw-HHF       |
| 11   | 104-8301    | 2    | Nut-Flange, NI  |
| 12   | 108-9930-03 | 1    | Bracket-Bottle  |
| 13   | 321-5       | 2    | Screw-HH        |
| 14   | 98-4799     | 2    | Spacer          |
| 15   | 104-7201    | 2    | Nut-Flange, NI  |
| 16   | 104-9318    | 1    | Bottle-Overflow |
| 17   | 108-3284    | 2    | Hose-Fuel       |
| 18   | 107069      | 4    | Clip            |
| 20   | 32180-030   | 1    | Clip-Tie        |

● Not serviced separately



## Radiator and Cooler Assembly

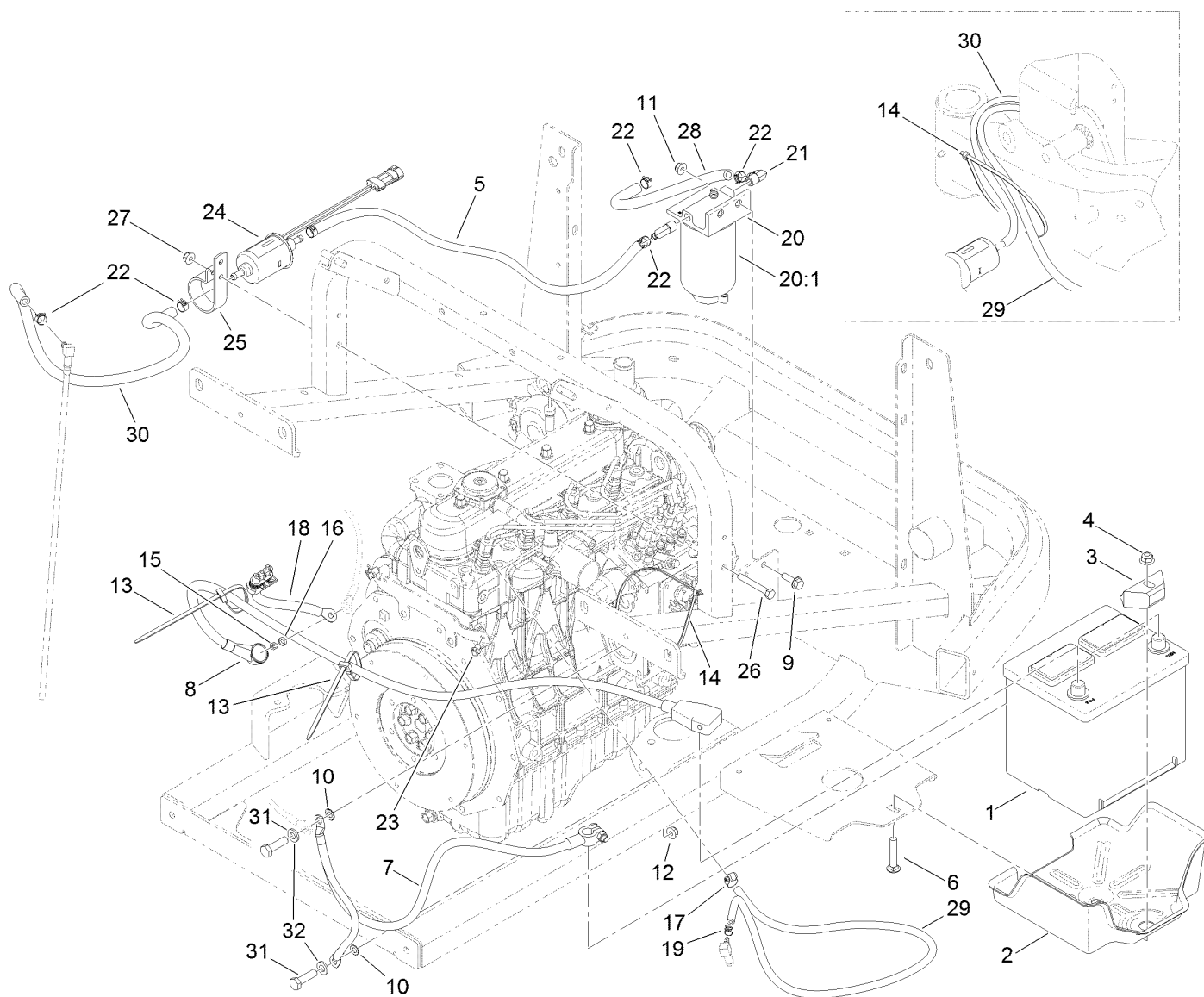
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 115-0050    | 1    | Radiator         |
| 2    | 115-0051    | 1    | Cooler           |
| 3    | 119-1430    | 1    | Radiator Cap ASM |
| 3:2  | 117-3276    | 1    | Decal-Danger     |
| 4    | 99-8551     | 1    | Plug-Pipe        |
| 5    | 322-5       | 4    | Screw-HH         |
| 6    | 3253-4      | 4    | Washer-Lock      |
| 7    | 3217-6      | 4    | Nut-Hex          |
| 8    | 3256-23     | 8    | Washer-Flat      |



## Muffler Assembly

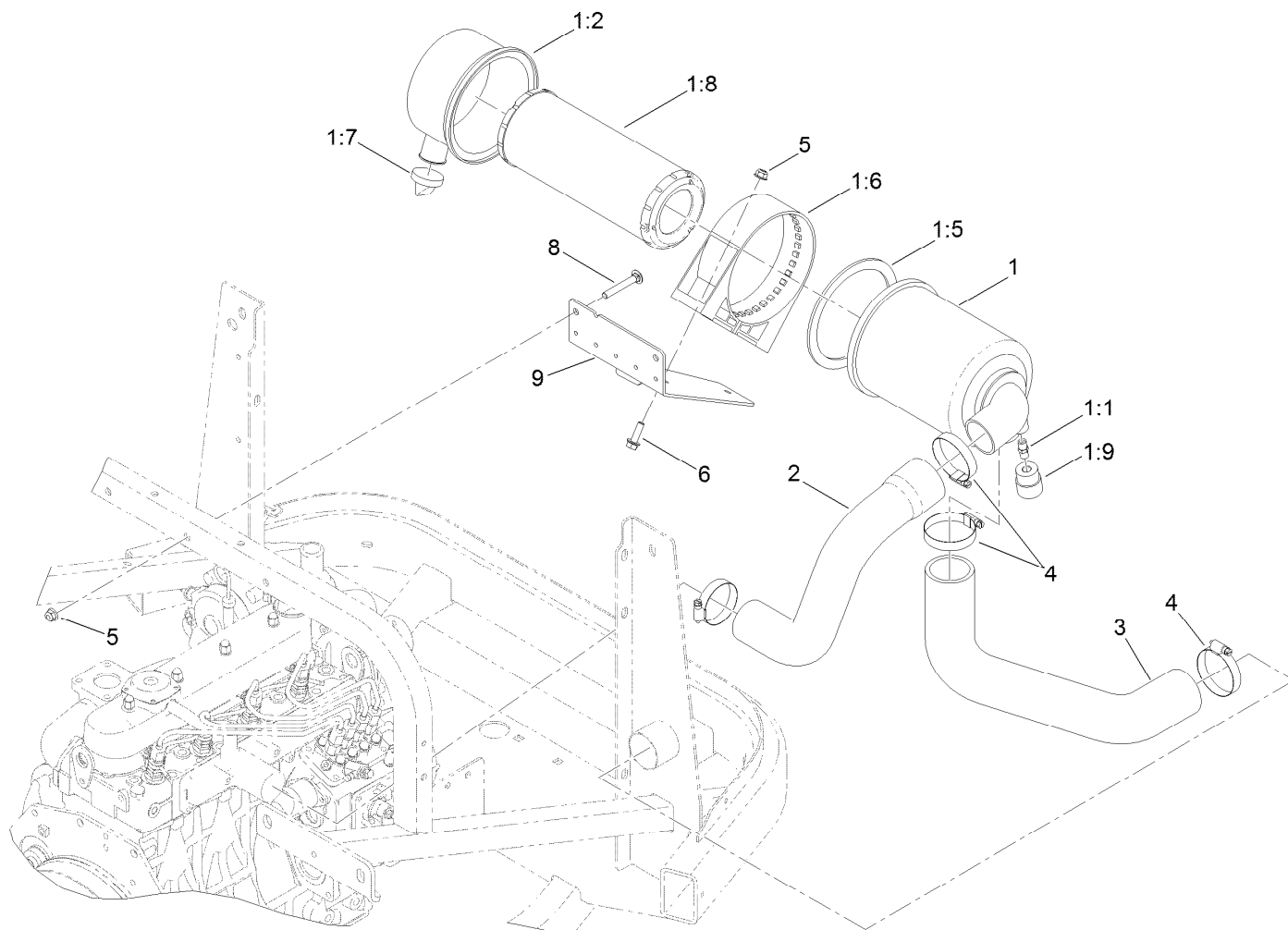
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 115-0419           | 1           | Muffler            |
| 2           | 98-9611            | 1           | Gasket             |
| 3           | 33004-00           | 4           | Nut-HF             |
| 4           | 323-11             | 2           | Screw-HH           |
| 5           | 32128-21           | 5           | Nut-HF             |
| 6           | 117-3033-03        | 1           | Support-Muffler    |
| 7           | 3234-42            | 3           | Screw-HHF          |

## Battery and Fuel Delivery Assembly



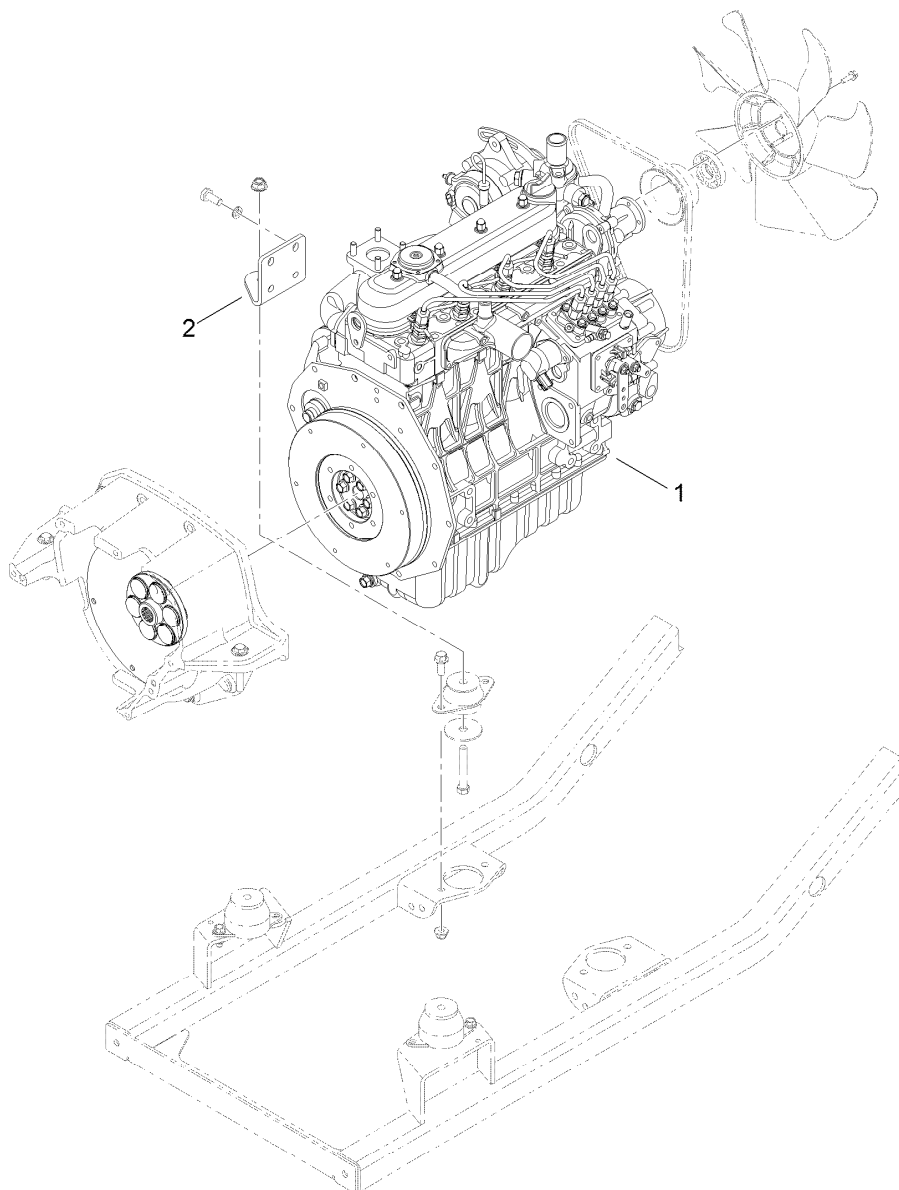
## Battery and Fuel Delivery Assembly (continued)

| <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>         |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 106-5187           | 1           | Battery-Dry             | 18          | 99-3441            | 1           | Harness-Wire, Fusible Link |
| 2           | 117-3027           | 1           | Tray-Battery            | 19          | 2412-80            | 1           | Clamp-Hose                 |
| 3           | 66-2490            | 1           | Retainer-Battery        | 20          | 110-9044           | 1           | Separator Filter ASM       |
| 4           | 104-8301           | 1           | Nut-Flange, NI          | 20:1        | 110-9049           | 1           | Filter-Spin On             |
| 5           | 109-0274           | 1           | Hose-Fuel               | 21          | 353-781            | 2           | Fitting-Elbow              |
| 6           | 3231-6             | 1           | Screw-CARR              | 22          | 92-2379            | 6           | Clamp-Hose                 |
| 7           | 105-0040           | 1           | Cable-Battery, Negative | 23          | 32180-030          | 2           | Clip-Tie                   |
| 8           | 104-0086           | 1           | Cable-Battery, Positive | 24          | 110-8806           | 1           | Pump-Fuel                  |
| 9           | 3234-17            | 2           | Screw-HHF               | 25          | 110-8817           | 1           | Bracket-Pump, Fuel         |
| 10          | 3255-8             | 2           | Washer-Lock             | 26          | 321-15             | 1           | Screw-HH                   |
| 11          | 104-8300           | 2           | Nut-Flange, NI          | 27          | 104-7201           | 1           | Nut-Flange, NI             |
| 12          | 32128-25           | 2           | Nut-HF                  | 28          | 110-4105           | 1           | Hose-Fuel                  |
| 13          | 3290-378           | 2           | Tie-Cable               | 29          | 110-3958           | 1           | Hose-Fuel                  |
| 14          | 3290-379           | 1           | Tie-Cable               | 30          | 110-3257           | 1           | Hose-Fuel                  |
| 15          | 33014-00           | 1           | Nut-Hex                 | 31          | 322-6              | 2           | Screw-HH                   |
| 16          | 3253-4             | 1           | Washer-Lock             | 32          | 3256-23            | 2           | Washer-Flat                |
| 17          | 2412-108           | 1           | Clamp-Worm              |             |                    |             |                            |



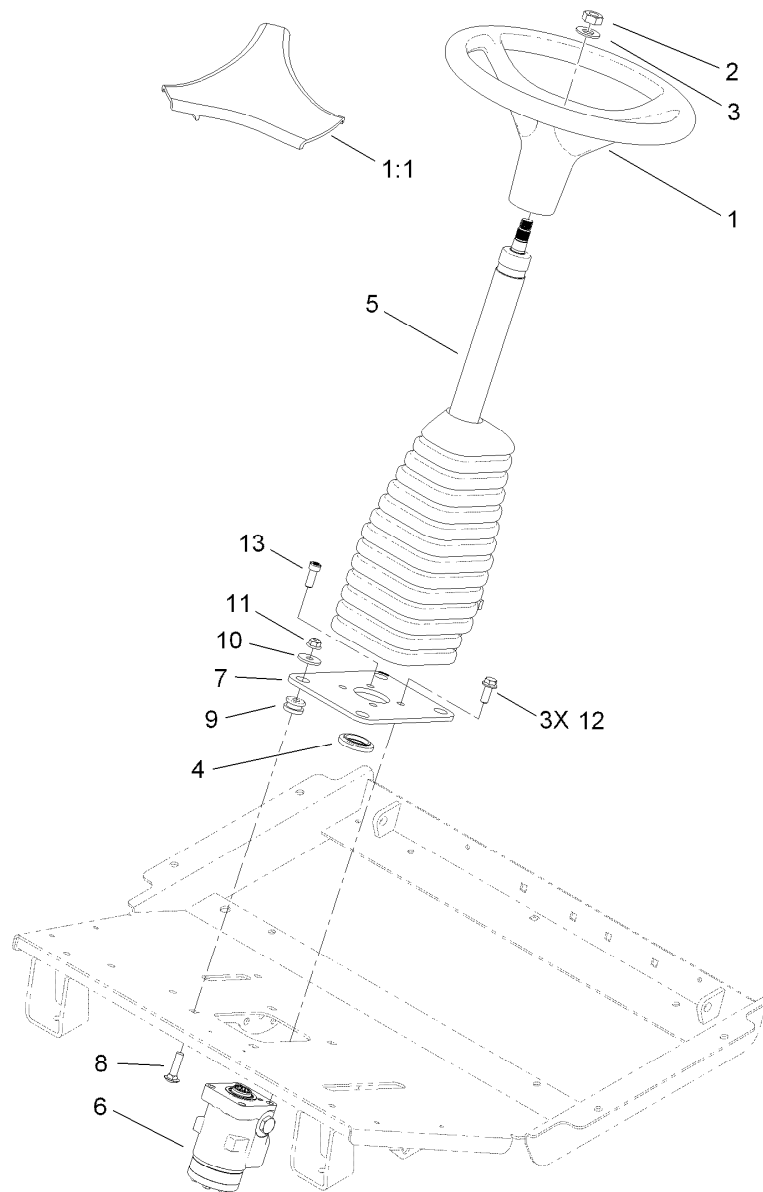
## Air Cleaner Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 104-3428    | 1    | Air Cleaner ASM         |
| 1:1  | 105-4292    | 1    | Nipple-Pipe             |
| 1:2  | 104-0497    | 1    | Cover                   |
| 1:5  | 104-4897    | 1    | Gasket                  |
| 1:6  | 98-4525     | 1    | Bracket-Cleaner, Air    |
| 1:7  | 104-0498    | 1    | Valve-Vacuator          |
| 1:8  | 108-3810    | 1    | Filter-Air              |
| 1:9  | 93-9164     | 1    | Indicator-Mini          |
| 2    | 117-3020    | 1    | Hose-Air Intake, Engine |
| 3    | 117-3021    | 1    | Hose-Inlet, Air         |
| 4    | 2412-130    | 4    | Clamp-Hose              |
| 5    | 104-8300    | 4    | Nut-Flange, NI          |
| 6    | 3234-17     | 2    | Screw-HHF               |
| 8    | 3230-7      | 2    | Bolt-CARR               |
| 9    | 131-3399-03 | 1    | Plate-Cleaner, Air      |



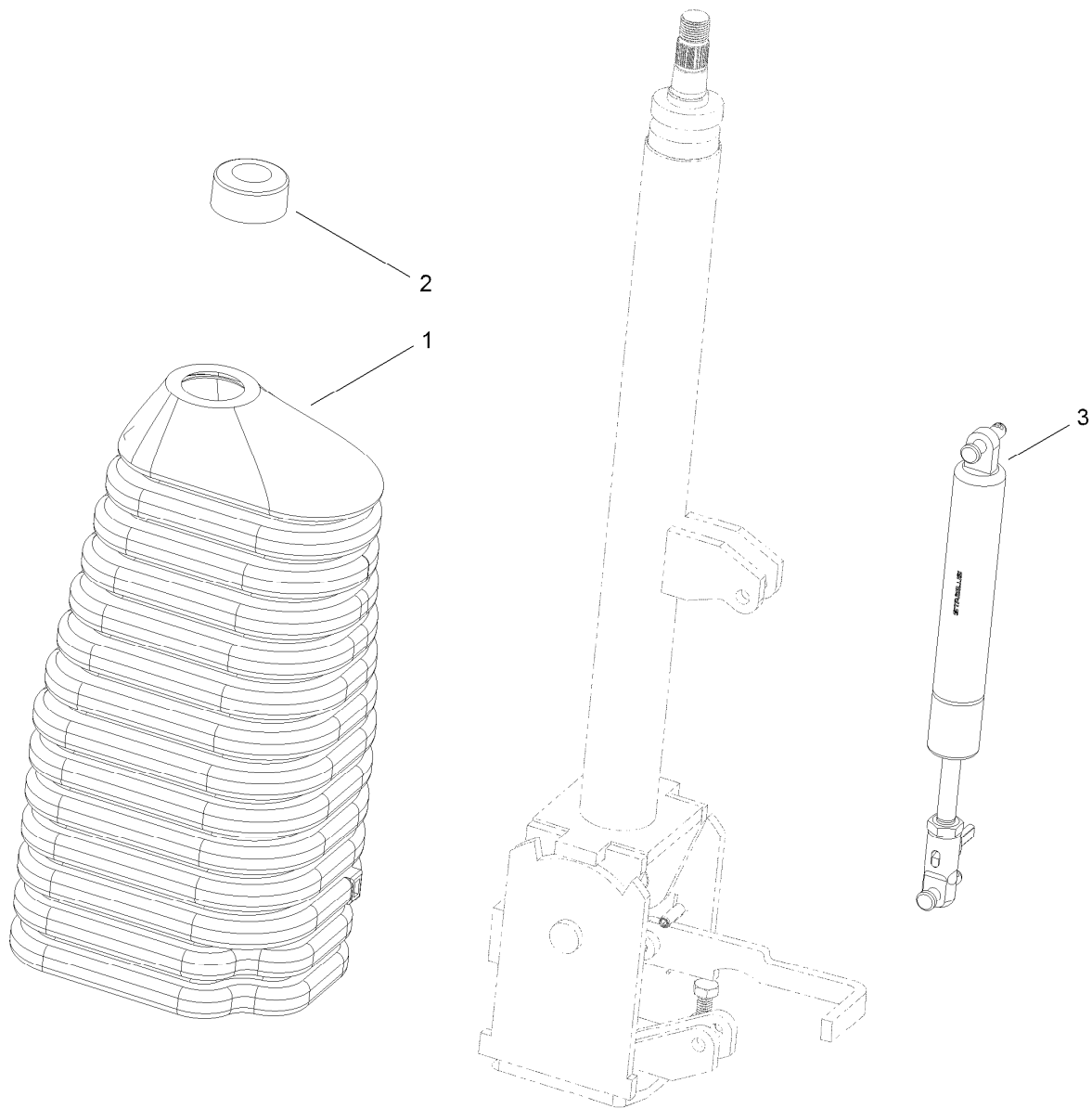
## Engine Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 1           | 125-2171           | 1           | Engine-Kubota, V1505 Dsl |
| 2           | 115-0059-03        | 1           | Plate-Mount, Motor       |



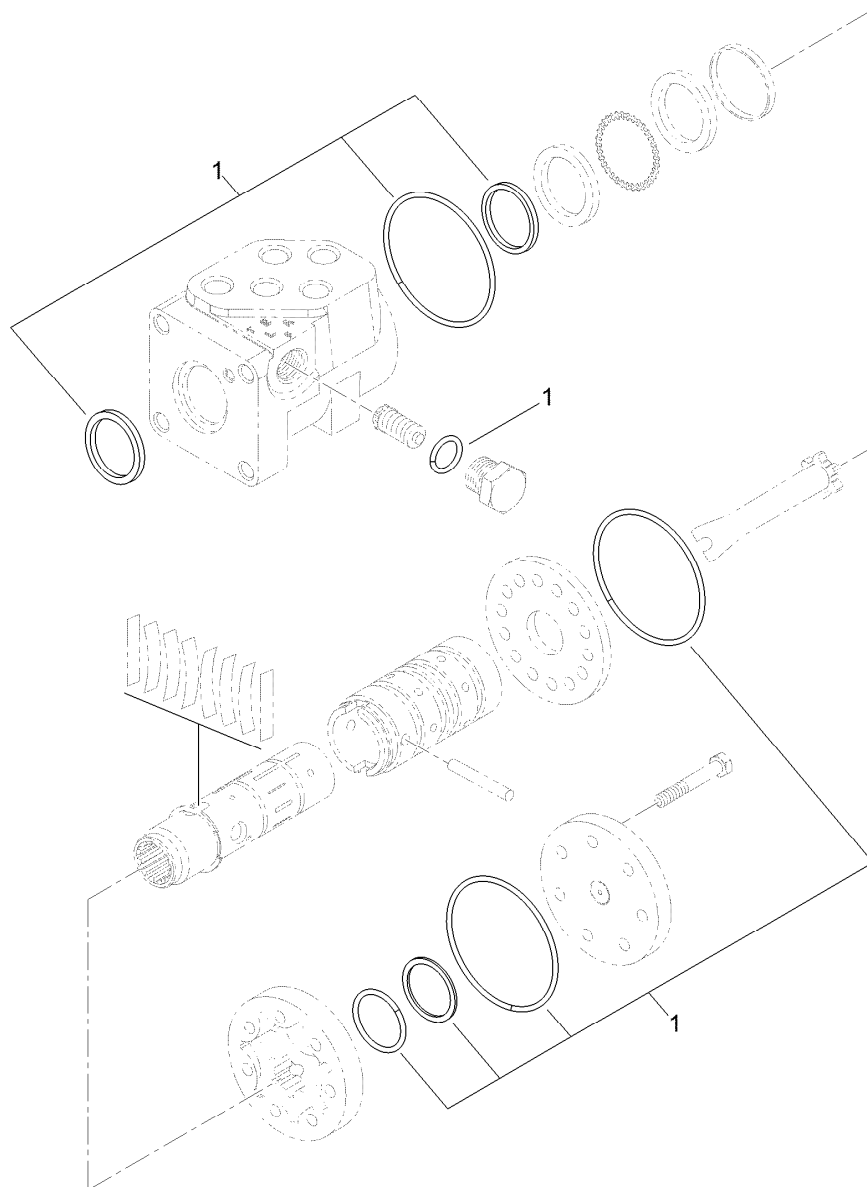
## Steering Column Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 98-1471     | 1    | Wheel-Steering          |
| 1:1  | 98-1468     | 1    | Cover-Wheel, Steering   |
| 2    | 3296-33     | 1    | Nut-Lock, NI            |
| 3    | 3256-27     | 1    | Washer-Flat             |
| 4    | 117-3373    | 1    | Bushing-Alignment       |
| 5    | 117-3371    | 1    | Column-Steering         |
| 6    | 130-7948    | 1    | Valve-Control, Steering |
| 7    | 117-3234-03 | 1    | Plate-Steering          |
| 8    | 3231-26     | 4    | Screw-CARR              |
| 9    | 63-9750     | 4    | Mount                   |
| 10   | 63-8410     | 4    | Washer                  |
| 11   | 104-8301    | 4    | Nut-Flange, NI          |
| 12   | 108-1531    | 3    | Screw-HHF               |
| 13   | 3273-41     | 1    | Screw-HSH               |



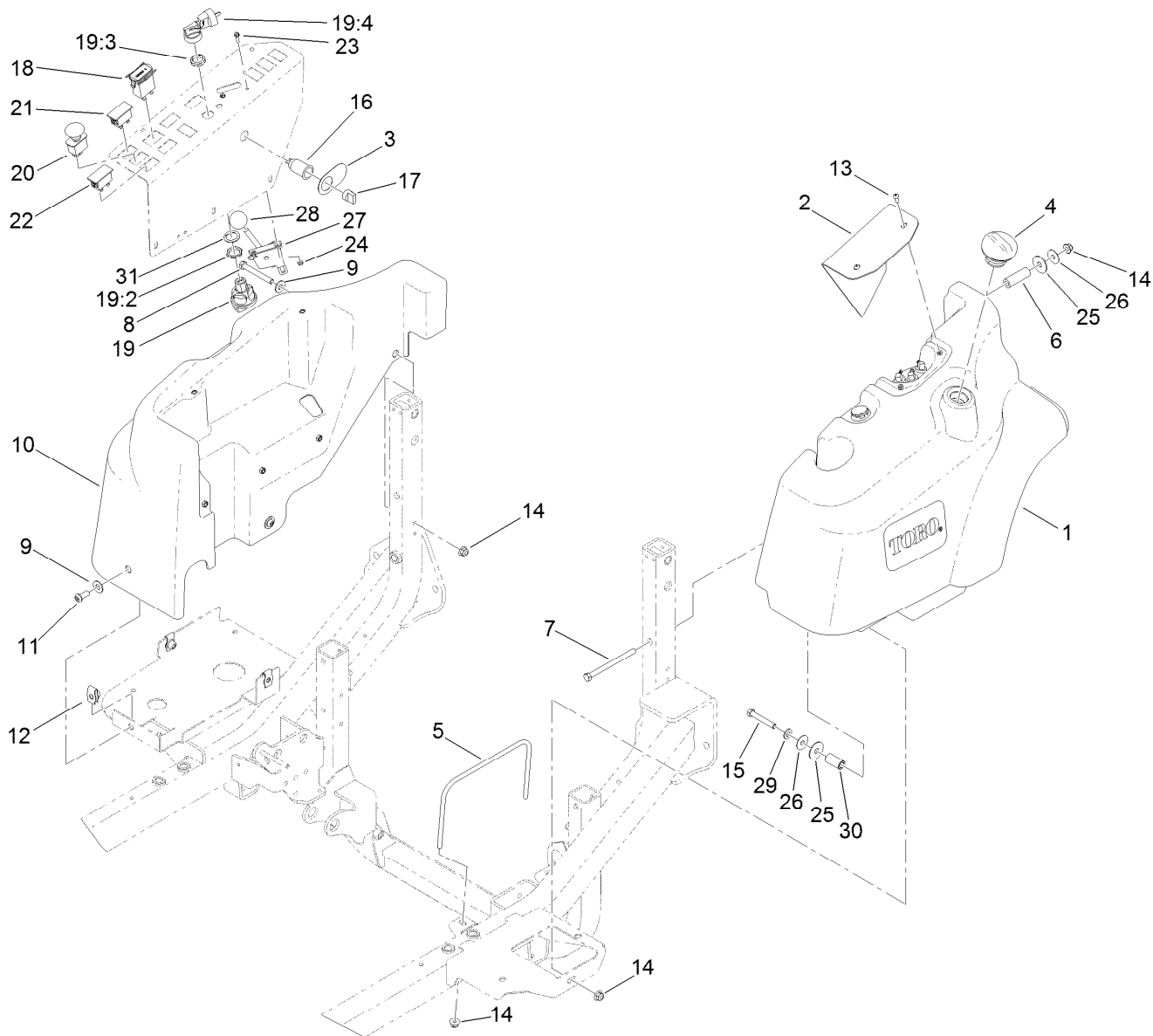
## Steering Column Assembly No. 117-3371

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 120-2592    | 1    | Boot-Rubber, Column  |
| 2    | 120-2593    | 1    | Boot-Rubber, Bearing |
| 3    | 120-2594    | 1    | Gas Spring ASM       |



## Steering Valve Assembly No. 130-7948

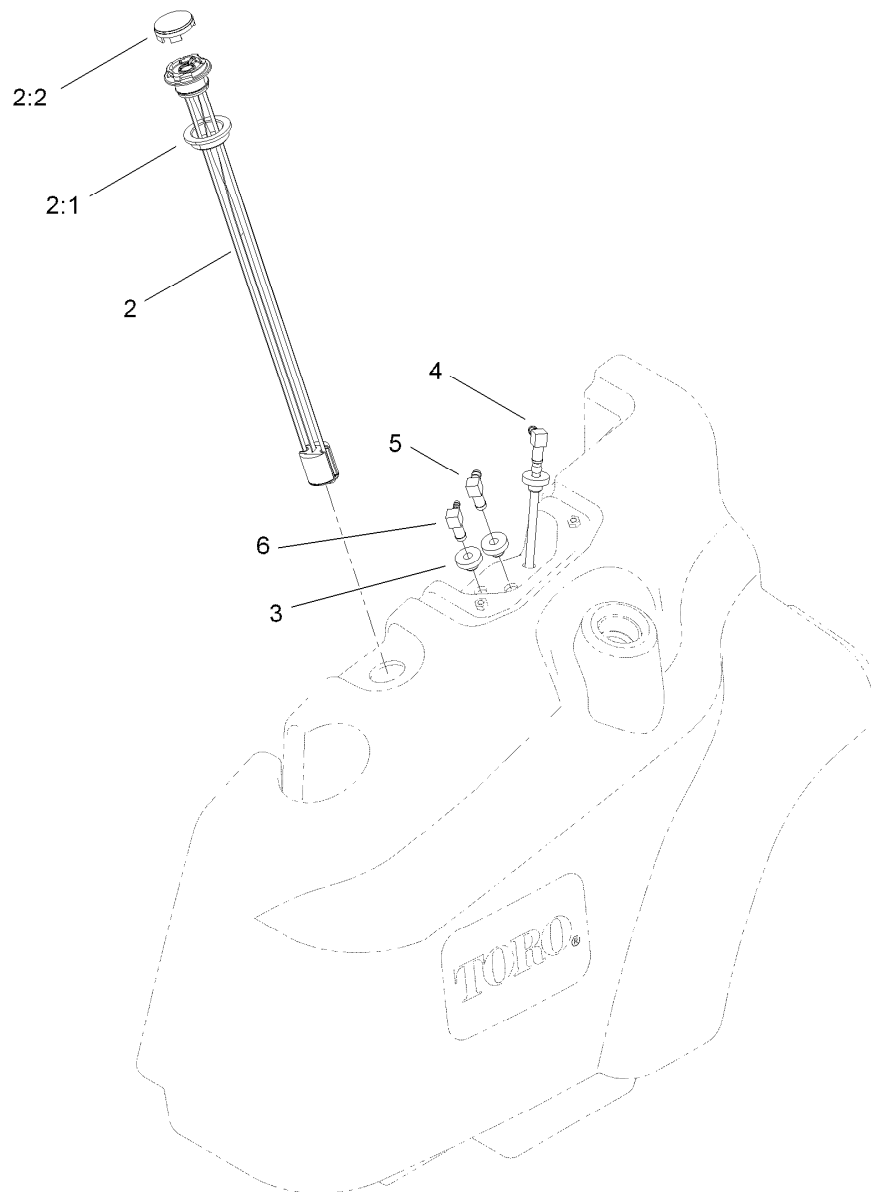
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 130-8357           | 1           | Seal Kit           |



## Fuel Tank and Control Panel Component Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 120-0255    | 1    | Fuel Tank ASM    |
| 2    | 117-3359-03 | 1    | Plate-Cover      |
| 3    | 106-2353    | 1    | Decal-Powerpoint |
| 4    | 115-5305    | 1    | Cap-Fuel         |
| 5    | 117-3394    | 1    | Bracket-Tank     |
| 6    | 117-3387    | 1    | Tube-Spacer      |
| 7    | 323-39      | 1    | Screw-HH         |
| 8    | 323-14      | 1    | Screw-HH         |
| 9    | 100-7403    | 4    | Washer-Flat      |
| 10   | 117-3353    | 1    | Cover-Tank, HYD  |
| 11   | 3274-94     | 3    | Screw-HSBH       |
| 12   | 105-4886    | 3    | Nut-Tinnerman    |
| 13   | 3274-31     | 2    | Screw-HSBH       |
| 14   | 104-8301    | 5    | Nut-Flange, NI   |
| 15   | 323-12      | 1    | Screw-HH         |
| 16   | 99-7411     | 1    | Point-Power      |
| 17   | 99-7416     | 1    | Cap              |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 18   | 1-513374    | 1    | Meter-Hour          |
| 19   | 121-5159    | 1    | Ignition Switch ASM |
| 19:2 | 121-5160    | 1    | Nut-Hex             |
| 19:3 | 121-5161    | 1    | Nut-Face            |
| 19:4 | 121-5162    | 1    | Key Set-Ignition    |
| 20   | 95-4108     | 1    | Switch-PTO          |
| 21   | 100-8070    | 1    | Lamp-Warning        |
| 22   | 100-8071    | 1    | Lamp-Warning        |
| 23   | 32105-13    | 2    | Screw-HWH           |
| 24   | 3296-2      | 2    | Nut-Lock, NI        |
| 25   | 95-1905     | 2    | Washer-Rubber       |
| 26   | 105-6814    | 2    | Washer-Plain        |
| 27   | 110-5547    | 1    | Lever-Control       |
| 28   | 233-42      | 1    | Knob                |
| 29   | 3256-24     | 1    | Washer-Flat         |
| 30   | 110-3726    | 1    | Spacer              |
| 31   | 120-2036    | 1    | Washer-Switch       |

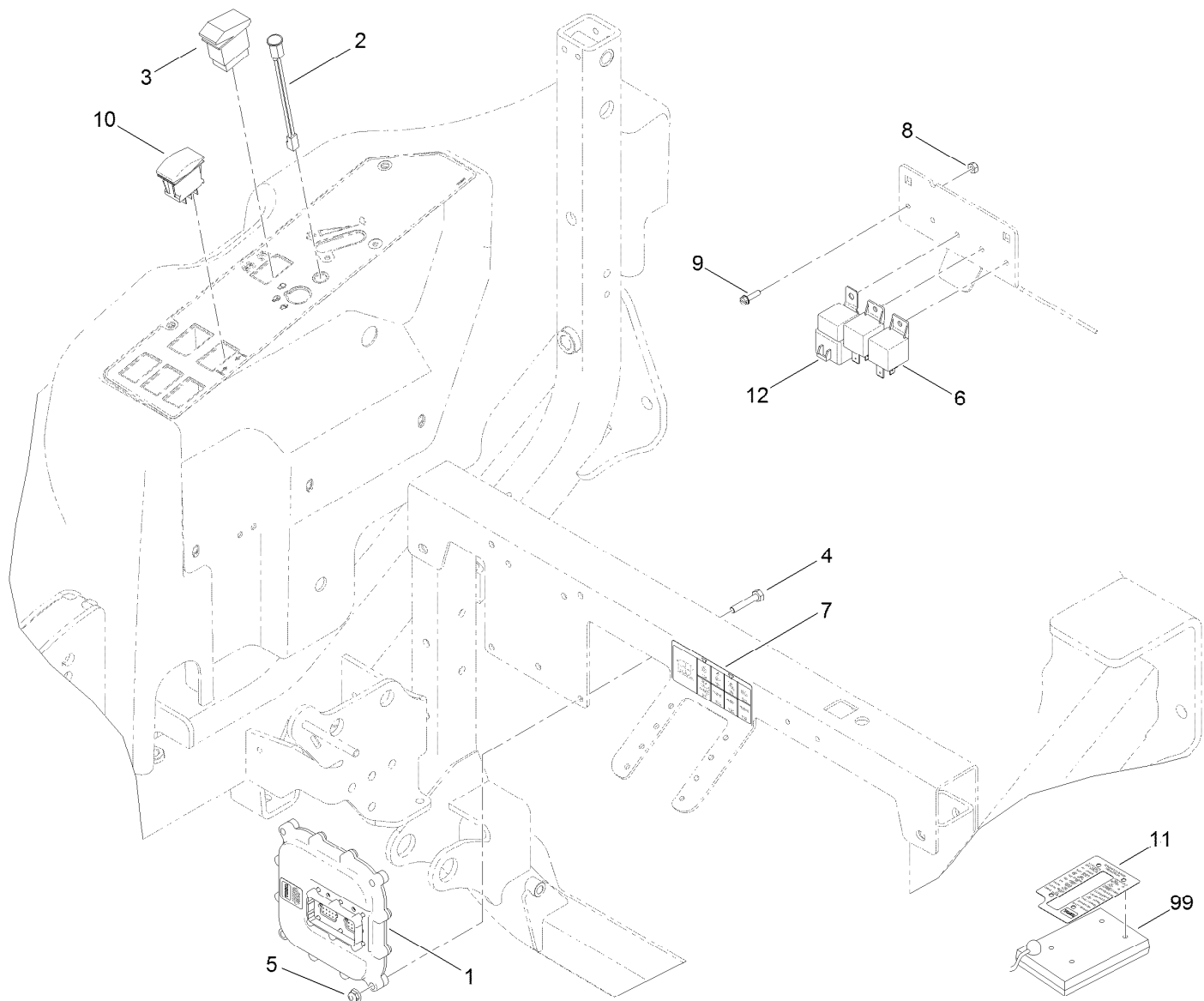


## Fuel Tank Assembly No. 120-0255

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 2    | 117-3238    | 1    | Gauge-Fuel            |
| 2:1  | 119-0508    | 1    | Seal                  |
| 2:2  | 117-8404    | 1    | Dial-Gauge            |
| 3    | 46-6560     | 3    | Bushing               |
| 4    | 117-3370    | 1    | Pipe-Stand            |
| 5    | 46-6550     | 1    | Fitting-Elbow, 90 DEG |
| 6    | 104-5228    | 1    | Fitting-Elbow, 90 DEG |



| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>     |
|-------------|--------------------|-------------|------------------------|
| 14          | 3231-40            | 4           | Bolt-CARR, Short Neck  |
| 15          | 42862              | 1           | Block-Terminal, Ground |
| 16          | 42863              | 1           | Strip-Jumper           |
| 17          | 32105-13           | 4           | Screw-HWH              |
| 18          | 3296-2             | 4           | Nut-Lock, NI           |
| 19          | 104-7048           | 1           | Cap-Housing            |
| 20          | 117-3065-03        | 1           | Plate-Seat             |
| 21          | 104-7050           | 1           | Tube-Manual            |
| 22          | 83-1050            | 4           | Spacer                 |
| 23          | 3256-26            | 2           | Washer-Flat            |
| 24          | 83-1030            | 4           | Mount-Engine           |
| 25          | 104-8300           | 8           | Nut-Flange, NI         |
| 26          | 322-3              | 8           | Screw-HH               |
| 27          | 120-0242-01        | 1           | Strap-Prop             |

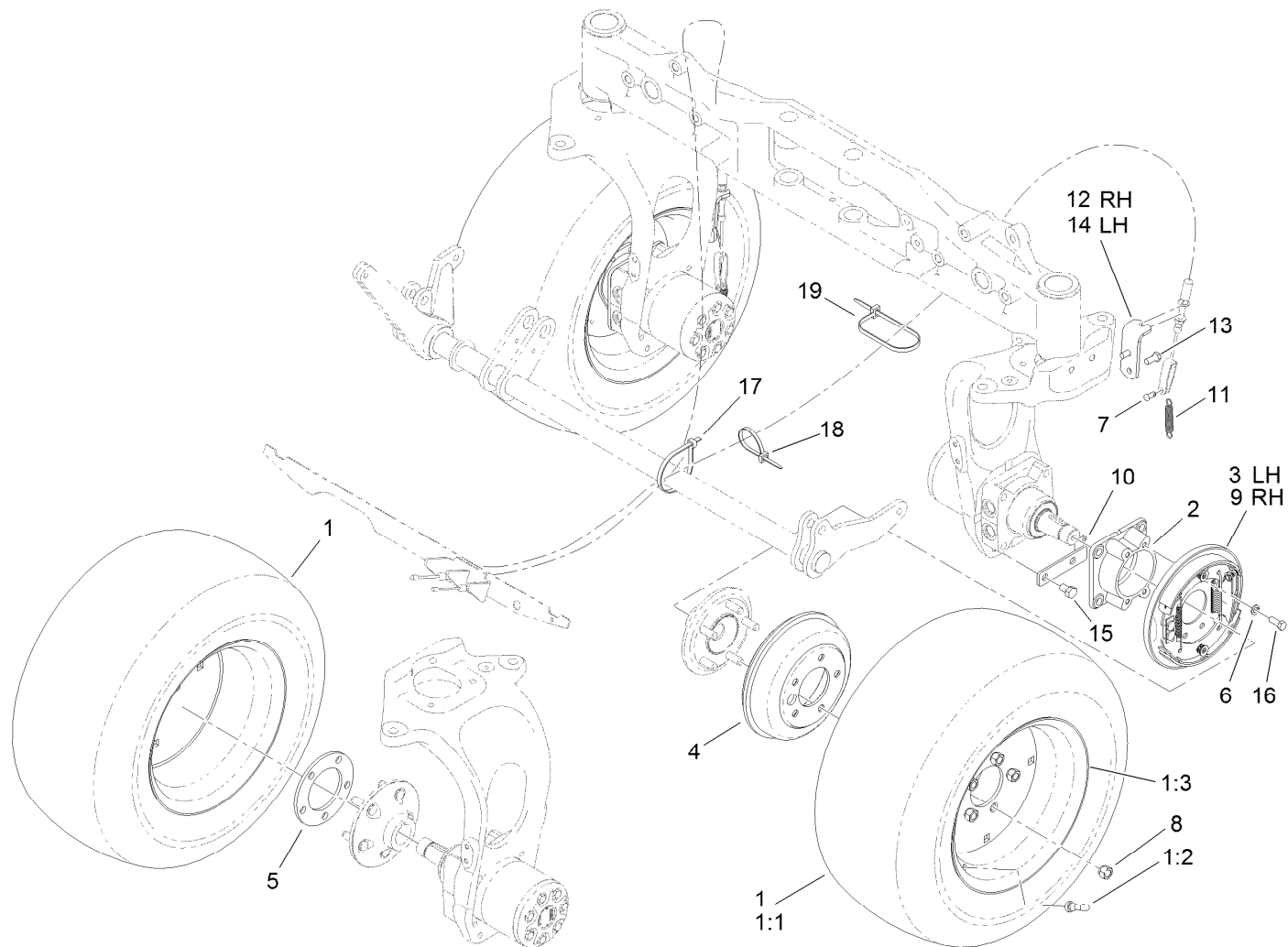


## 4 Wheel Drive Module Control and Relay Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 115-1900    | 1    | Controller               |
| 2    | 95-7652     | 1    | Light-Indicator          |
| 3    | 100-8490    | 1    | Switch-Rocker            |
| 4    | 321-13      | 4    | Screw-HH                 |
| 5    | 104-7201    | 4    | Nut-Flange, NI           |
| 6    | 99-7435     | 2    | Relay-Power              |
| 7    | 117-3233    | 1    | Decal-Fuseblock          |
| 8    | 3296-2      | 3    | Nut-Lock, NI             |
| 9    | 32105-13    | 3    | Screw-HWH                |
| 10   | 100-1535    | 1    | Switch                   |
| 11   | 120-0273    | 1    | Decal-Diagnostic, Master |
| 12   | 99-7430     | 1    | Relay                    |
| 99   | 85-4750     | 1    | Box-Display, Diagnostic  |



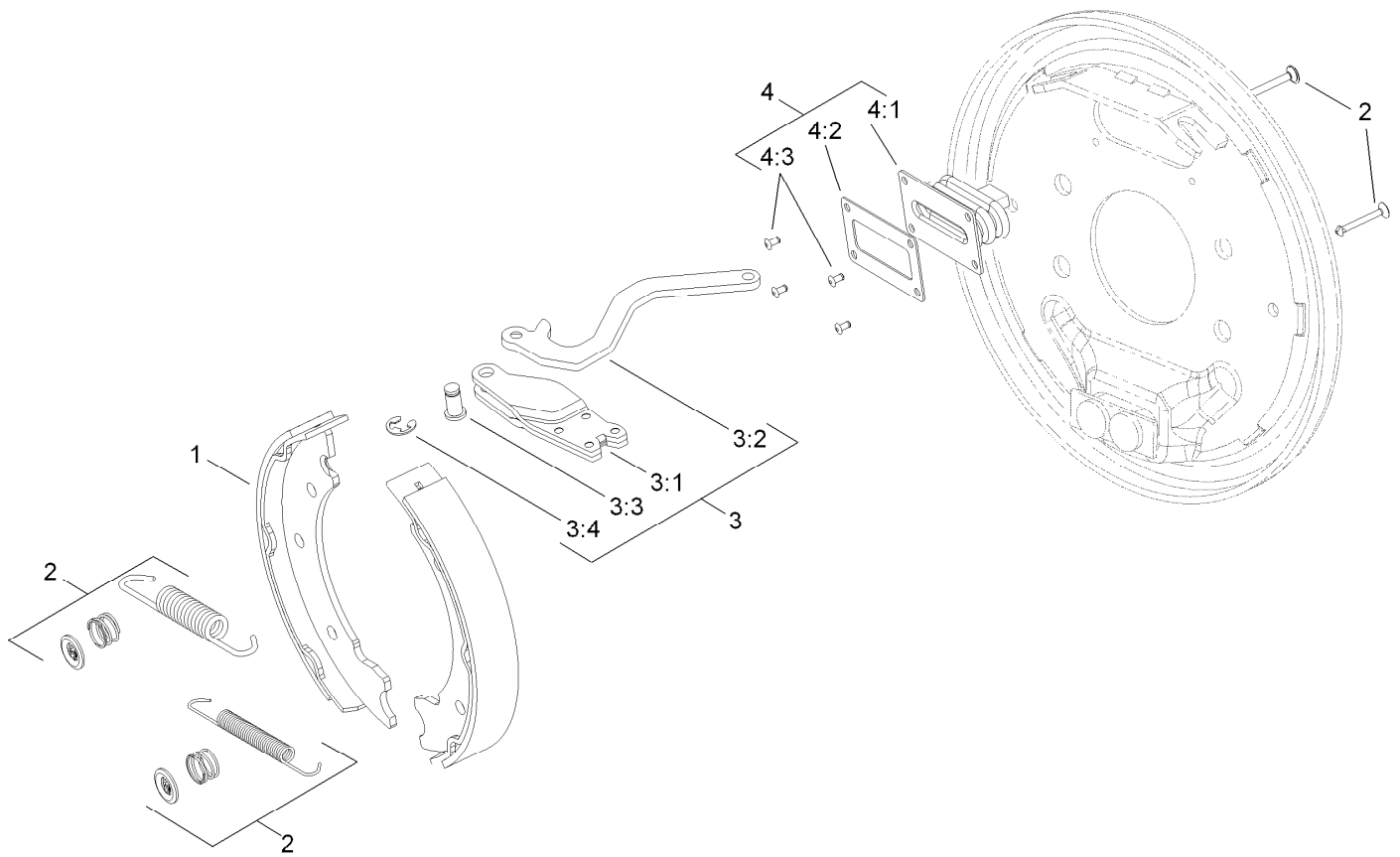
| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>          |
|-------------|--------------------|-------------|-----------------------------|
| 15          | 119-1414           | 2           | Pin-Cotter, Locking         |
| 16          | 119-1415           | 2           | Pin-Cotter, Locking         |
| 17          | 302-5              | 1           | Fitting-Grease              |
| 18          | 125-8775           | 2           | Bushing-Flange              |
| 19          | 3290-221           | 1           | Washer-Spring               |
| 20          | 119-1388           | 1           | Brake Pin ASM               |
| 21          | 323-6              | 2           | Screw-HH                    |
| 22          | 115-5300           | 1           | Proximity Switch ASM        |
| 22:1        | 117-3207           | 2           | Nut-Hex                     |
| 22:2        | 117-3208           | 2           | Washer-Lock, Internal Tooth |
| 23          | 52-2891            | 2           | Bushing-Flanged, Nylon      |
| 24          | 323-7              | 2           | Screw-HH                    |
| 25          | 119-1400-03        | 1           | Lever-Brake                 |



## Wheel and Brake Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 117-2900    | 4    | Tire And Wheel ASM |
| 1:1  | 117-2901    | 1    | Tire               |
| 1:2  | 232-27      | 1    | Stem-Valve         |
| 1:3  | 117-2902    | 1    | Rim                |
| 2    | 120-0248-03 | 2    | Adapter-Brake      |
| 3    | 120-0235    | 1    | LH Brake ASM       |
| 4    | 114-8864    | 2    | Drum-Brake         |
| 5    | 115-0199-03 | 2    | Spacer-Wheel       |
| 6    | 3253-21     | 8    | Washer-Lock        |
| 7    | 283-62      | 2    | Pin-Clevis         |
| 8    | 242-50      | 10   | Nut-Lug            |

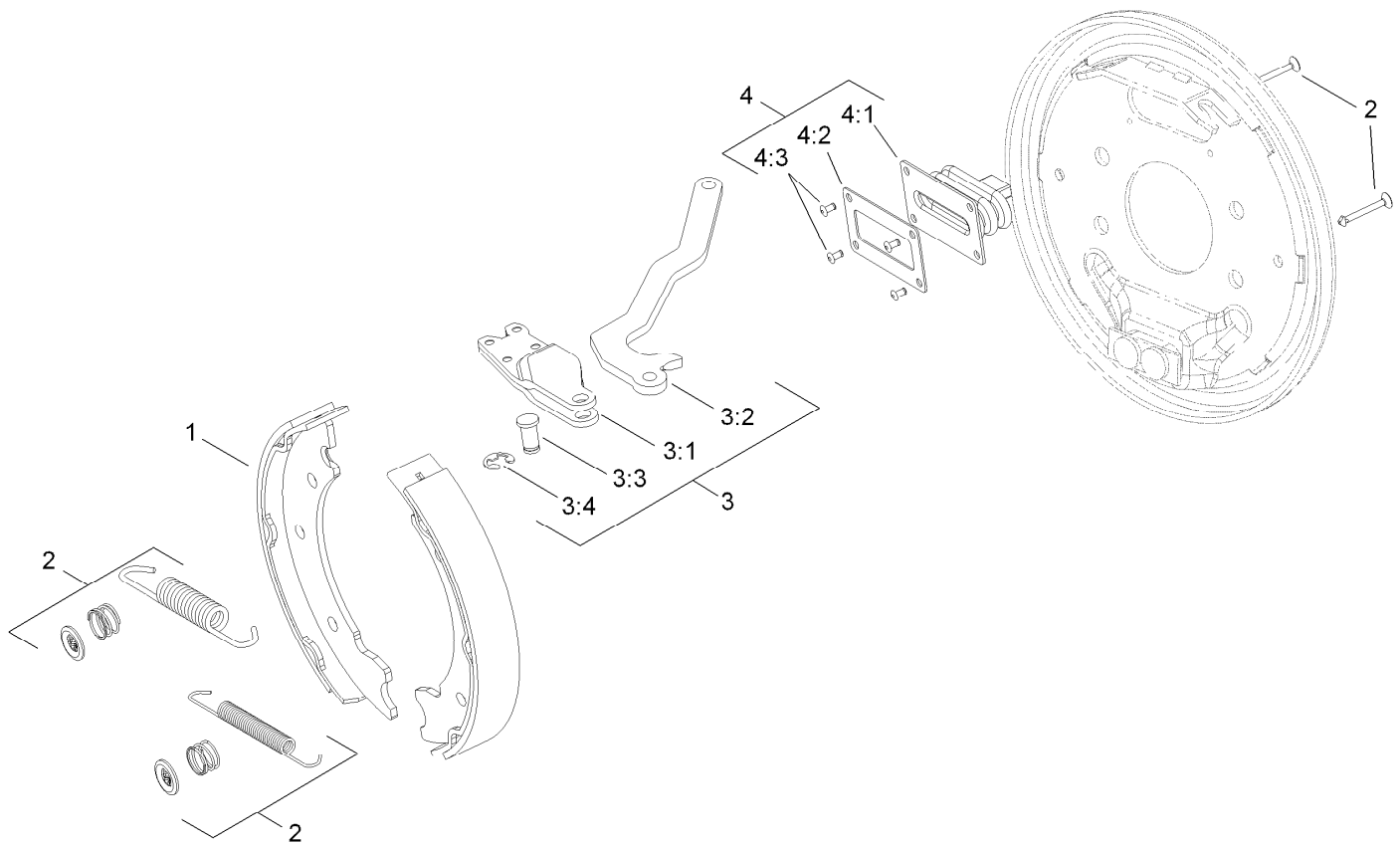
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 9    | 120-0233    | 1    | RH Brake ASM            |
| 10   | 115-0132    | 2    | Bracket-Spring, Return  |
| 11   | 87-4020     | 2    | Spring-Extension        |
| 12   | 119-1352-03 | 1    | Bracket-Brake Cable, RH |
| 13   | 325-2       | 4    | Screw-HH                |
| 14   | 119-1449-03 | 1    | Bracket-Brake Cable, LH |
| 15   | 323-5       | 4    | Screw-HH                |
| 16   | 323-6       | 8    | Screw-HH                |
| 17   | 3334-945    | 1    | Tie-Cable               |
| 18   | 3290-378    | 1    | Tie-Cable               |
| 19   | 250-5       | 1    | Tie-Cable               |



## Left Hand Brake Assembly No. 120-0235

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 108-6981    | 1    | Brake Shoe Kit     |
| 2    | 108-6983    | 1    | Brake Hardware Kit |
| 3    | 120-0236    | 1    | LH Actuator Kit    |
| 3:1  |             | 1    | Housing ●          |
| 3:2  |             | 1    | Lever-LH ●         |
| 3:3  |             | 1    | Pin-Pivot ●        |
| 3:4  |             | 1    | E-Ring ●           |
| 4    | 110-8885    | 1    | Dust Boot Kit      |
| 4:1  |             | 1    | Boot ●             |
| 4:2  |             | 1    | Plate-Back Up ●    |
| 4:3  |             | 2    | Rivet ●            |

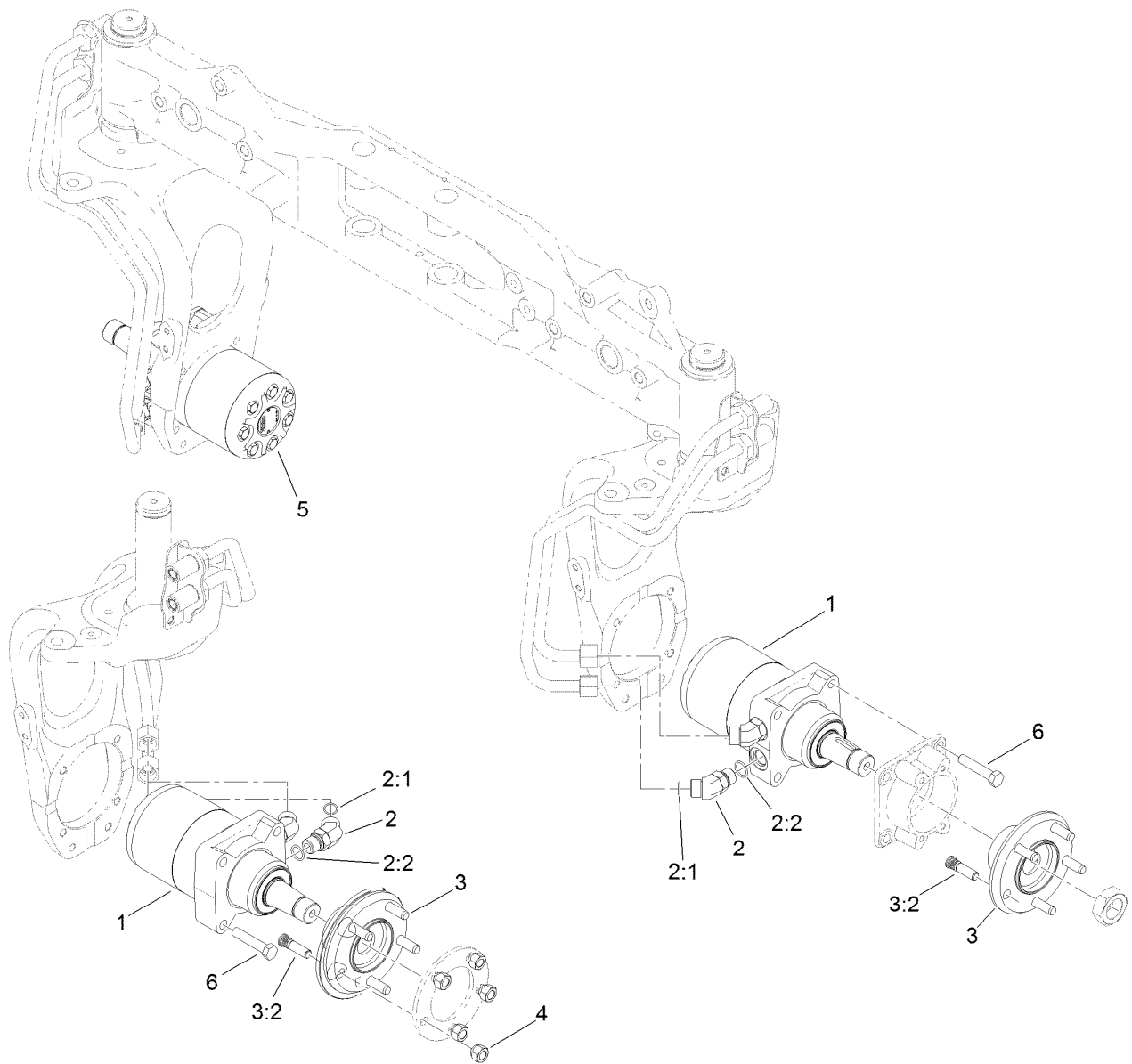
● Not serviced separately



## Right Hand Brake Assembly No. 120-0233

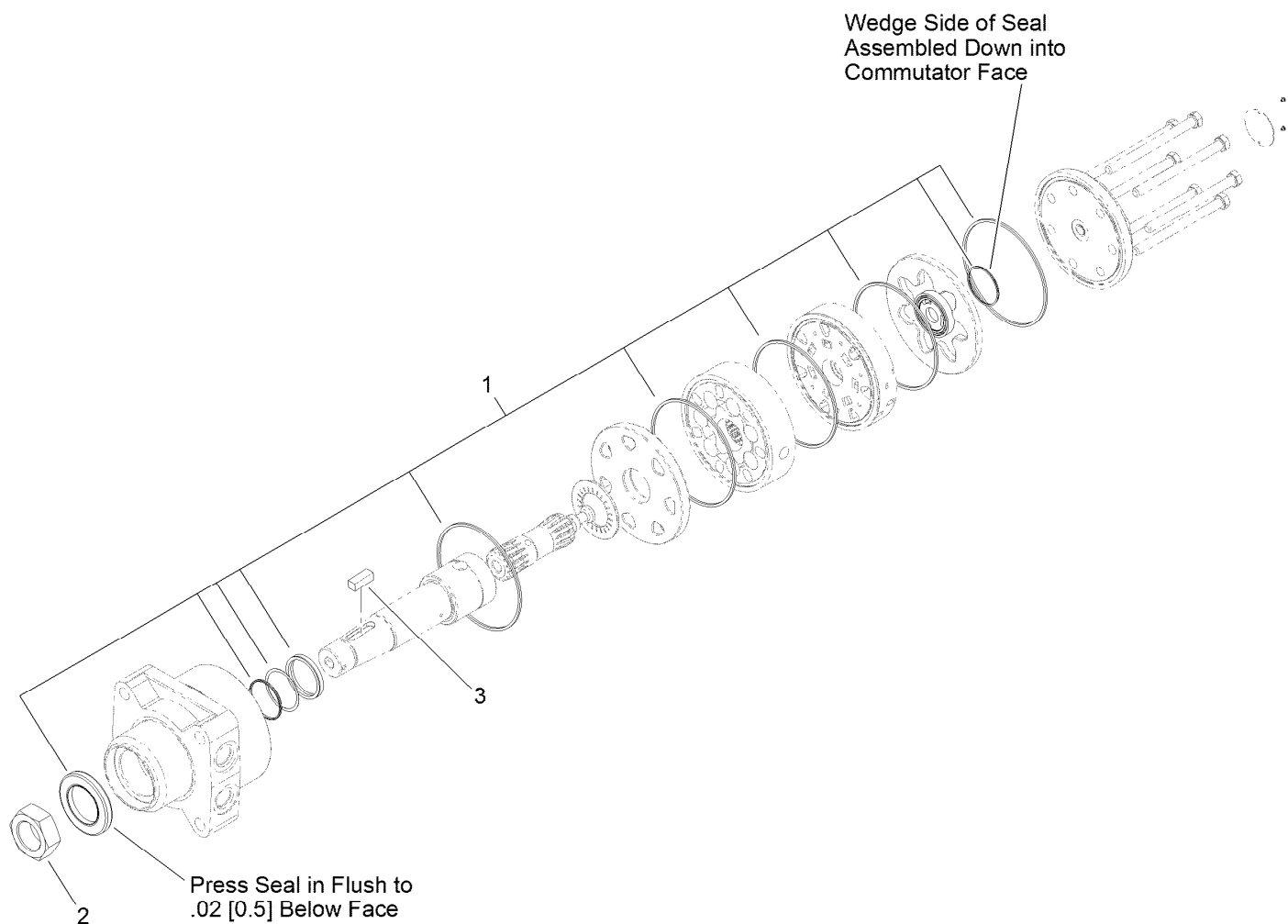
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 108-6981    | 1    | Brake Shoe Kit     |
| 2    | 108-6983    | 1    | Brake Hardware Kit |
| 3    | 120-0234    | 1    | RH Actuator Kit    |
| 3:1  |             | 1    | Housing ●          |
| 3:2  |             | 1    | Lever-RH ●         |
| 3:3  |             | 1    | Pin-Pivot ●        |
| 3:4  |             | 1    | E-Ring ●           |
| 4    | 110-8885    | 1    | Dust Boot Kit      |
| 4:1  |             | 1    | Boot ●             |
| 4:2  |             | 1    | Plate-Back Up ●    |
| 4:3  |             | 2    | Rivet ●            |

● Not serviced separately



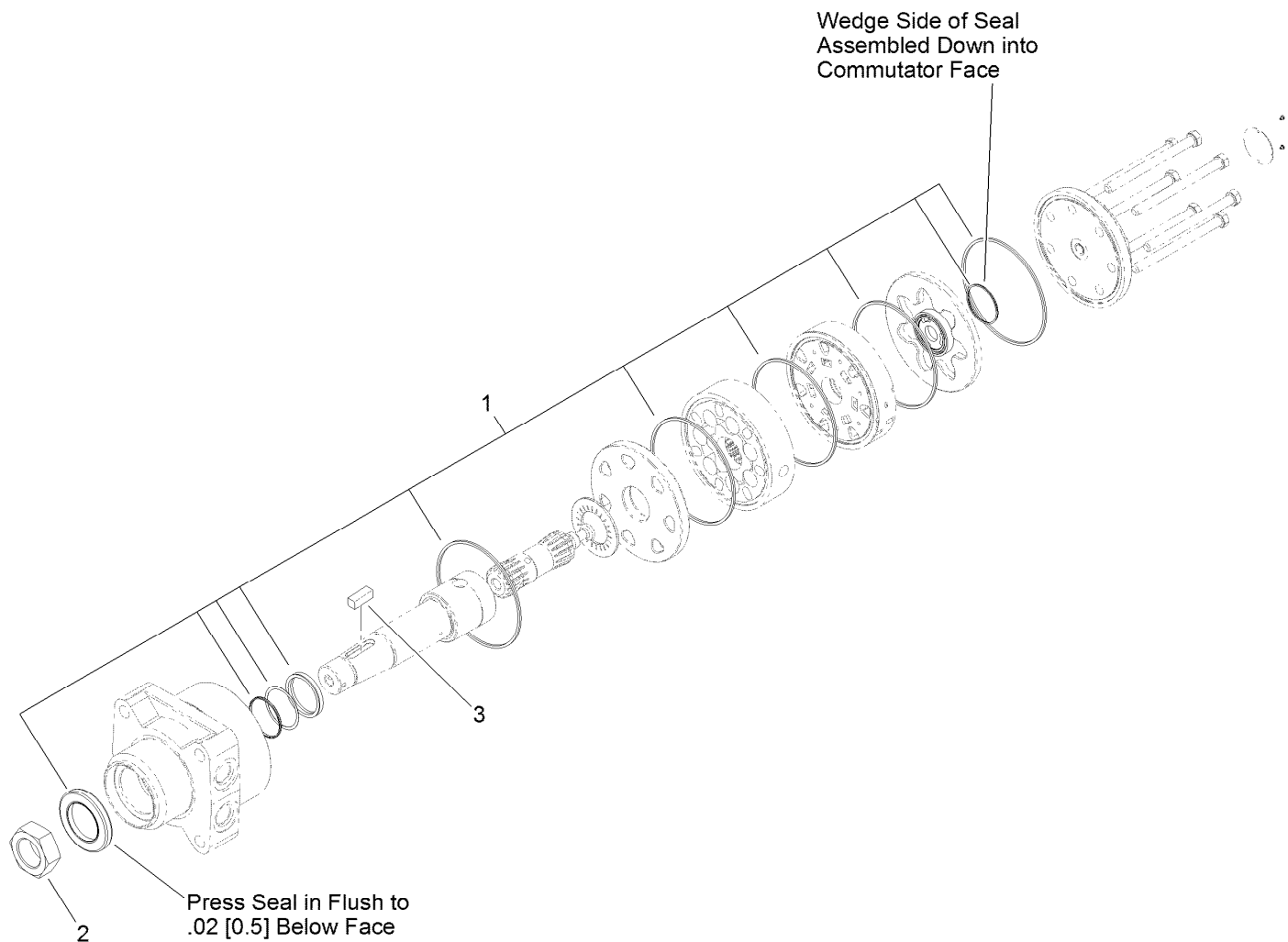
## 4 Wheel Drive Hydraulic Motor and Fitting Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 117-3284    | 2    | HYD Motor ASM (280 CCW) |
| 2    | 340-14      | 8    | Fitting-HYD, 45 DEG     |
| 2:1  | 237-65      | 1    | O-Ring                  |
| 2:2  | 237-80      | 1    | O-Ring                  |
| 3    | 121-5492    | 4    | Wheel Hub ASM           |
| 3:2  | 114-3918    | 5    | Stud-Wheel              |
| 4    | 242-50      | 10   | Nut-Lug                 |
| 5    | 117-3285    | 2    | HYD Motor ASM (280 CW)  |
| 6    | 325-34      | 16   | Screw-HH                |



## Hydraulic Motor Assembly No. 117-3284 (CCW)

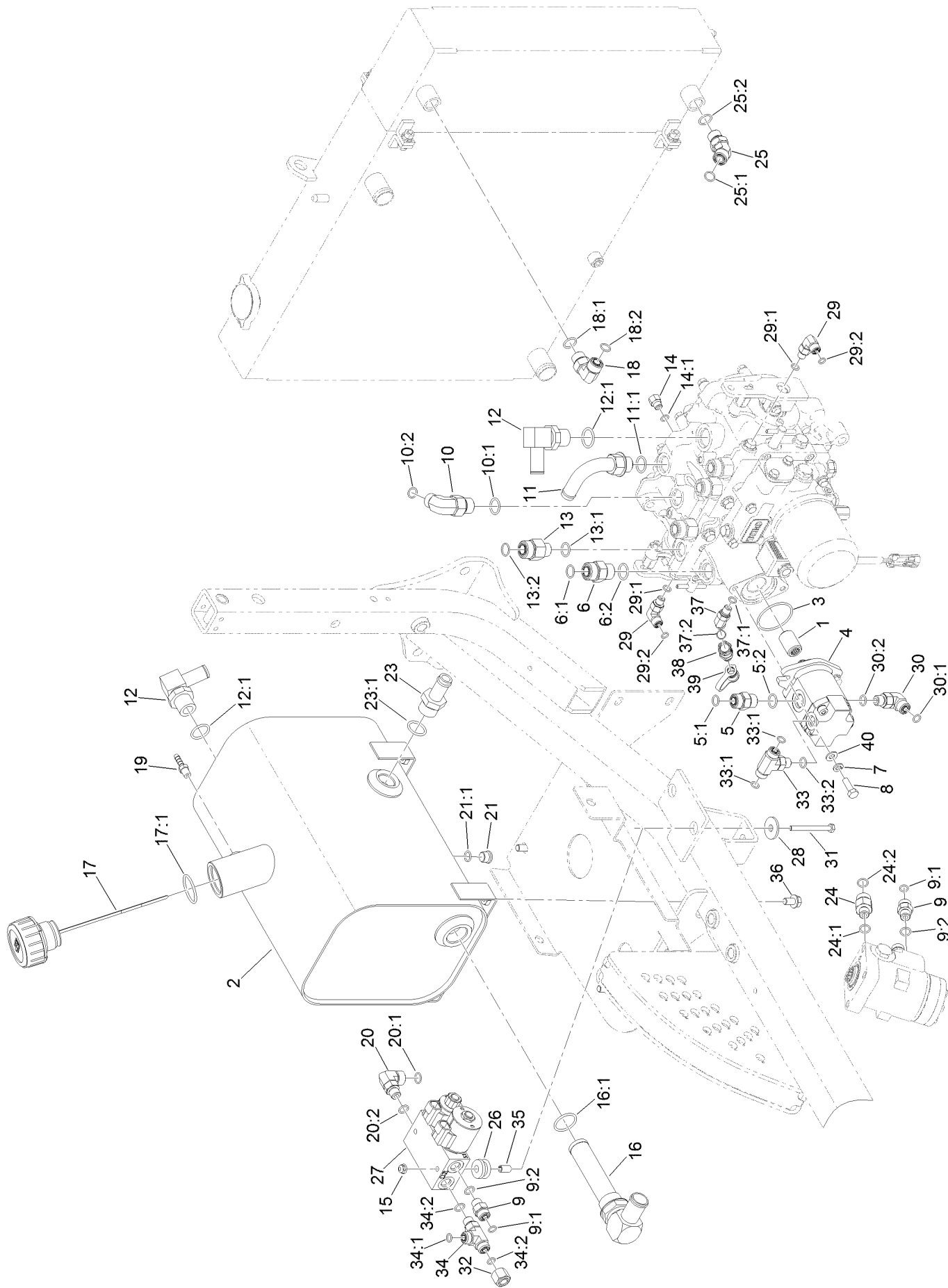
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-9368           | 1           | Seal Kit           |
| 2           | 117-3290           | 1           | Nut-Hex            |
| 3           | 117-5198           | 1           | Key-Square         |



## Hydraulic Motor Assembly No. 117-3285 (CW)

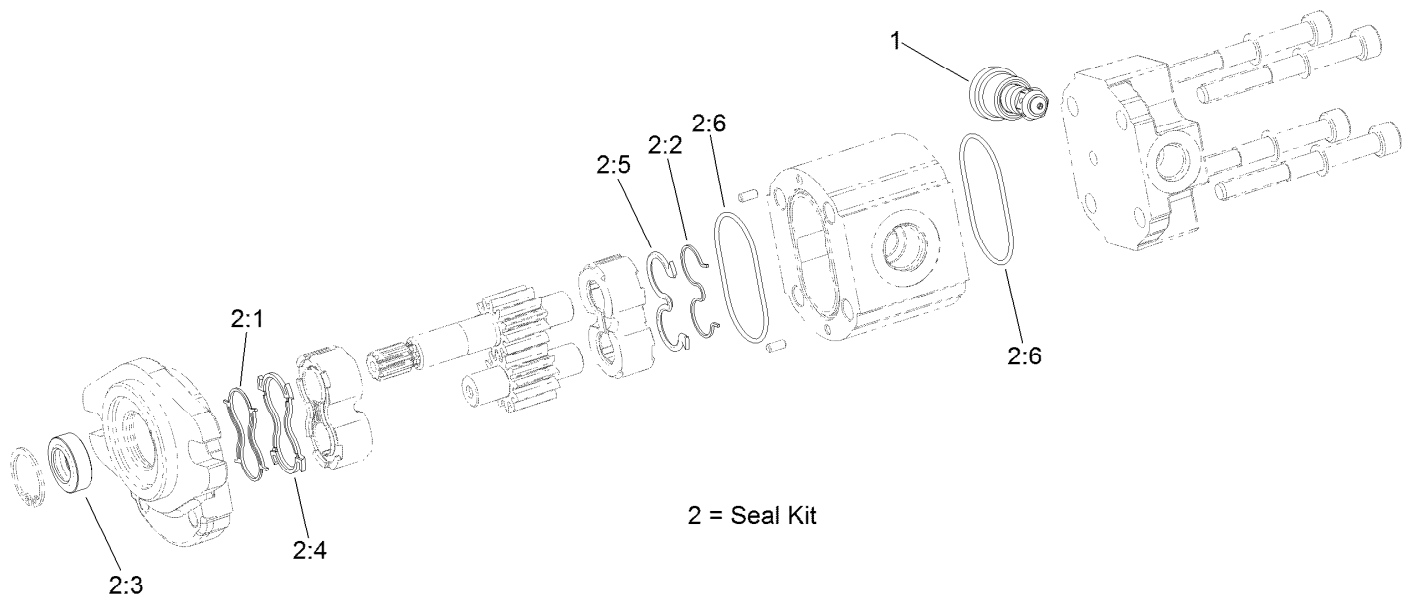
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 107-9368    | 1    | Seal Kit    |
| 2    | 117-3290    | 1    | Nut-Hex     |
| 3    | 117-5198    | 1    | Key-Square  |

# Deck Lift Valve and Hydraulic Fitting Assembly



# Deck Lift Valve and Hydraulic Fitting Assembly (continued)

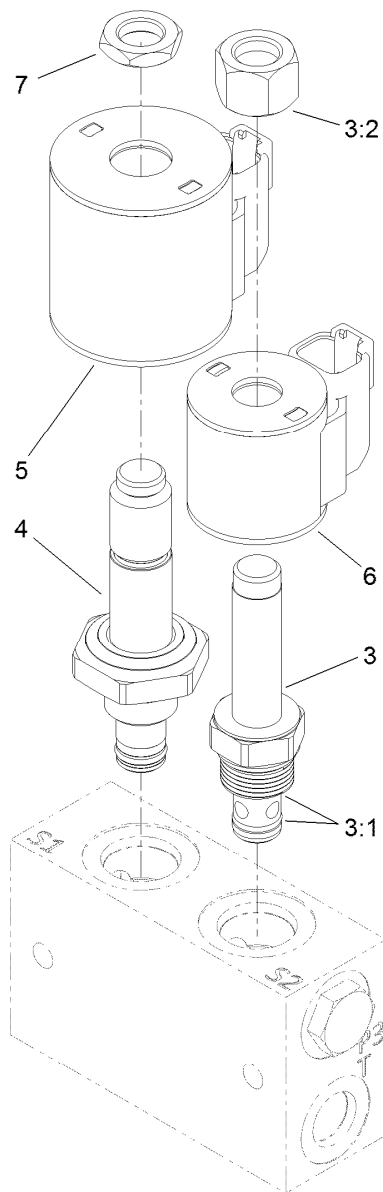
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------------------|-------------|--------------------|-------------|---------------------|
| 1           | 108-9920           | 1           | Coupler-Spline                  | 20:1        | 237-30             | 1           | O-Ring              |
| 2           | 117-3372           | 1           | Tank-Hydraulic, Metal           | 20:2        | 237-42             | 1           | O-Ring              |
| 3           | 108-9919           | 1           | O-Ring                          | 21          | 353-989            | 1           | Plug-Hex, Hollow    |
| 4           | 115-0375           | 1           | Gear Pump ASM                   | 21:1        | 237-42             | 1           | O-Ring              |
| 5           | 340-4              | 1           | Fitting-HYD, Straight           | 23          | 354-73             | 1           | Fitting-Straight    |
| 5:1         | 237-30             | 1           | O-Ring                          | 23:1        | 237-81             | 1           | O-Ring              |
| 5:2         | 237-79             | 1           | O-Ring                          | 24          | 340-5              | 1           | Fitting-Straight    |
| 6           | 340-7              | 1           | Adapter                         | 24:1        | 237-42             | 1           | O-Ring              |
| 6:1         | 237-65             | 1           | O-Ring                          | 24:2        | 237-30             | 1           | O-Ring              |
| 6:2         | 237-80             | 1           | O-Ring                          | 25          | 340-101            | 1           | Fitting-HYD, 45 DEG |
| 7           | 3253-4             | 2           | Washer-Lock                     | 25:1        | 237-30             | 1           | O-Ring              |
| 8           | 33114-025          | 2           | Screw-HH                        | 25:2        | 237-79             | 1           | O-Ring              |
| 9           | 340-2              | 5           | Fitting-HYD, Straight           | 26          | 63-9750            | 2           | Mount               |
| 9:1         | 237-22             | 1           | O-Ring                          | 27          | 131-1934           | 1           | Deck Lift Valve ASM |
| 9:2         | 237-42             | 1           | O-Ring                          | 28          | 63-8410            | 2           | Washer              |
| 10          | 340-105            | 1           | Fitting-HYD, 90 DEG             | 29          | 340-132            | 2           | Fitting-HYD, 90 DEG |
| 10:1        | 237-80             | 1           | O-Ring                          | 29:1        | 237-78             | 1           | O-Ring              |
| 10:2        | 237-30             | 1           | O-Ring                          | 29:2        | 237-21             | 1           | O-Ring              |
| 11          | 110-5522           | 1           | Fitting-Elbow, 90               | 30          | 340-77             | 1           | Fitting-HYD, 90 DEG |
| 11:1        | 237-80             | 1           | O-Ring                          | 30:1        | 237-22             | 1           | O-Ring              |
| 12          | 353-987            | 2           | Fitting-HYD, 90 DEG<br>(Barbed) | 30:2        | 237-42             | 1           | O-Ring              |
| 12:1        | 237-81             | 1           | O-Ring                          | 31          | 321-14             | 2           | Screw-HH            |
| 13          | 340-155            | 4           | Fitting-HYD, Straight           | 32          | 340-117            | 1           | Cap                 |
| 13:1        | 237-79             | 1           | O-Ring                          | 33          | 340-94             | 1           | Adapter             |
| 13:2        | 237-151            | 1           | O-Ring                          | 33:1        | 237-22             | 2           | O-Ring              |
| 14          | 110-5536           | 1           | Fitting-HYD, Adapter            | 33:2        | 237-42             | 1           | O-Ring              |
| 14:1        | 237-78             | 1           | O-Ring                          | 34          | 340-86             | 1           | Fitting-Tee         |
| 15          | 104-7201           | 2           | Nut-Flange, NI                  | 34:1        | 237-22             | 2           | O-Ring              |
| 16          | 105-0204           | 1           | Strainer Fitting ASM            | 34:2        | 237-42             | 1           | O-Ring              |
| 16:1        | 237-146            | 1           | O-Ring                          | 35          | 80-0650            | 2           | Spacer-Tubular      |
| 17          | 117-3389           | 1           | Cap-Tank, Hydraulic             | 36          | 32144-15           | 4           | Screw-HHFTF         |
| 17:1        | 237-101            | 1           | O-Ring                          | 37          | 340-103            | 1           | Fitting-HYD, 45 DEG |
| 18          | 340-98             | 1           | Fitting-HYD, 90 DEG             | 37:1        | 237-78             | 1           | O-Ring              |
| 18:1        | 237-79             | 1           | O-Ring                          | 37:2        | 237-21             | 1           | O-Ring              |
| 18:2        | 237-30             | 1           | O-Ring                          | 38          | 115-8886           | 1           | Nipple-Test         |
| 19          | 94-7220            | 1           | Fitting-Barb, Hose              | 39          | 354-79             | 1           | Cap-Dust            |
| 20          | 340-99             | 1           | Fitting-HYD, 90 DEG             | 40          | 3256-23            | 2           | Washer-Flat         |



## Hydraulic Gear Pump Assembly No. 115-0375

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 115-0376    | 1    | Valve-Relief, 125 Bar |
| 2    | 112-0199    | 1    | Seal Kit              |
| 2:1  |             | 1    | Seal-Anti Extrusion ● |
| 2:2  |             | 1    | Seal-Anti Extrusion ● |
| 2:3  |             | 1    | Seal-Shaft ●          |
| 2:4  |             | 1    | Seal-Upper ●          |
| 2:5  |             | 1    | Seal ●                |
| 2:6  |             | 2    | O-Ring ●              |

● Not serviced separately

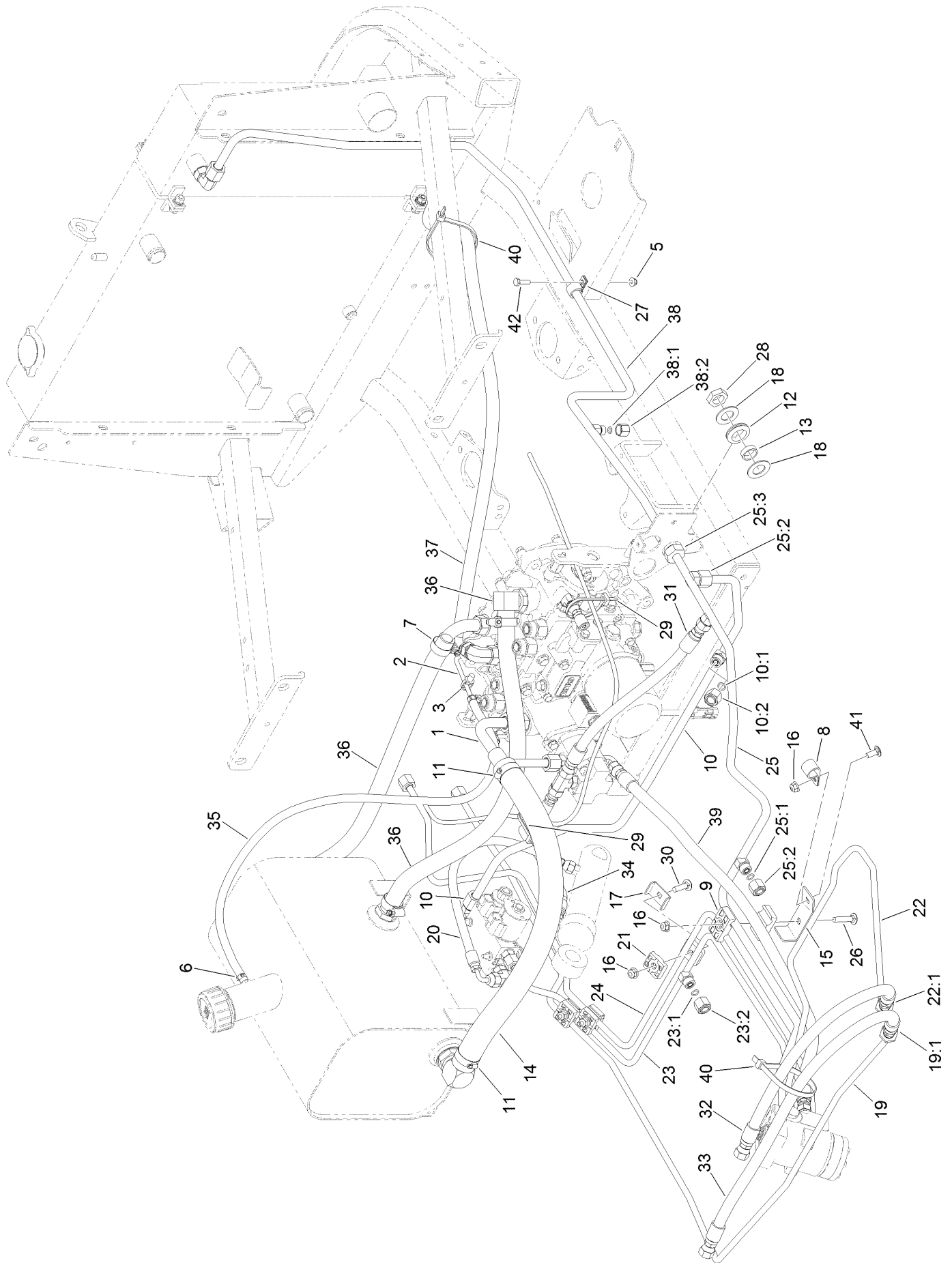


## Valve Assembly No. 131-1934

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 3    | 107-7517    | 1    | Valve-Solenoid |
| 3:1  | 105-9156    | 1    | Seal Kit ●     |
| 3:2  | 107-7812    | 1    | Nut-Solenoid   |
| 4    | 131-1935    | 1    | Valve-Solenoid |
| 5    | 115-3021    | 1    | Coil-12V       |
| 6    | 119-8036    | 1    | E Coil-12 Vdc  |
| 7    | 110-2634    | 1    | Nut-Coil       |

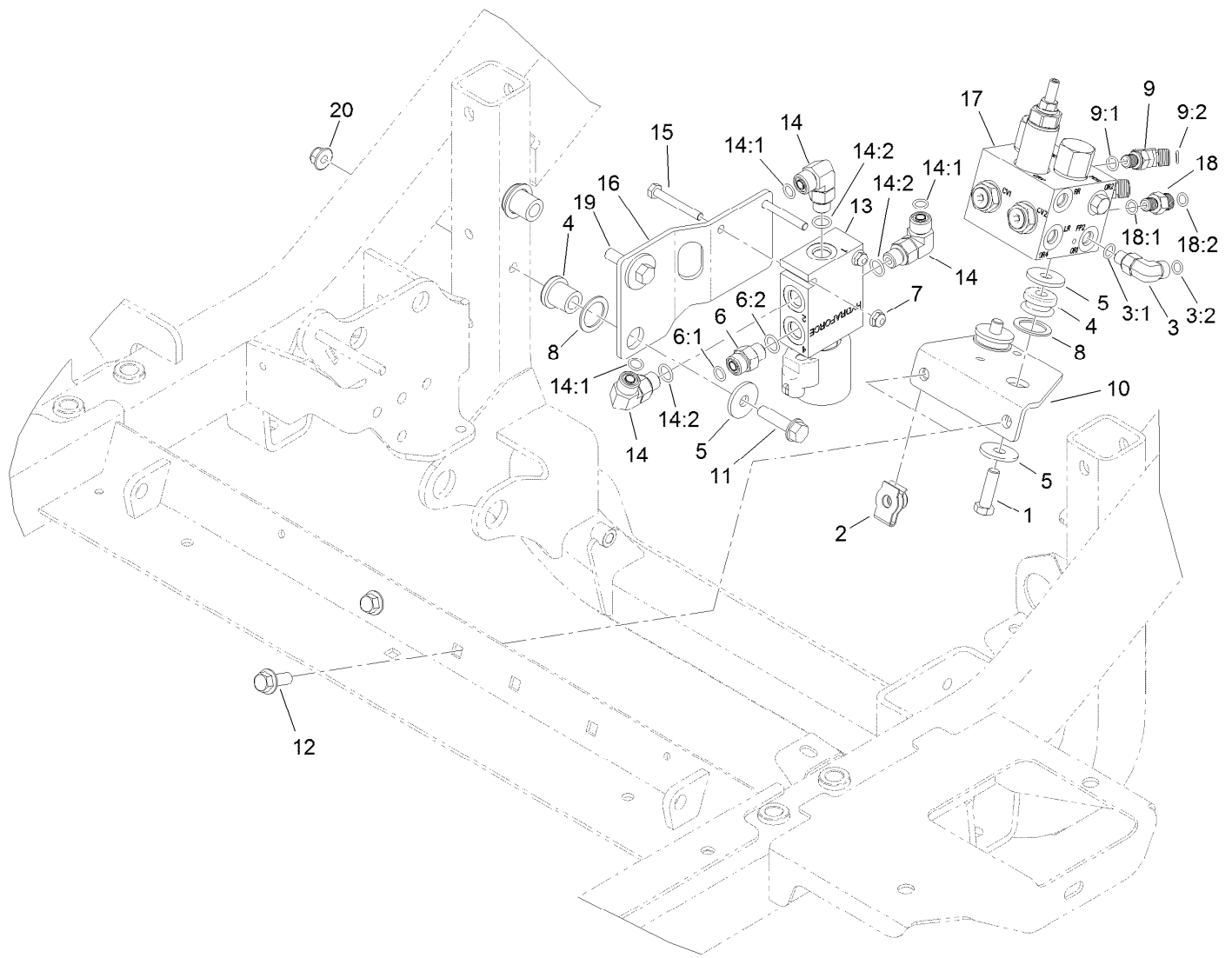
● Not illustrated

# Hydraulic Tube and Hose Assembly



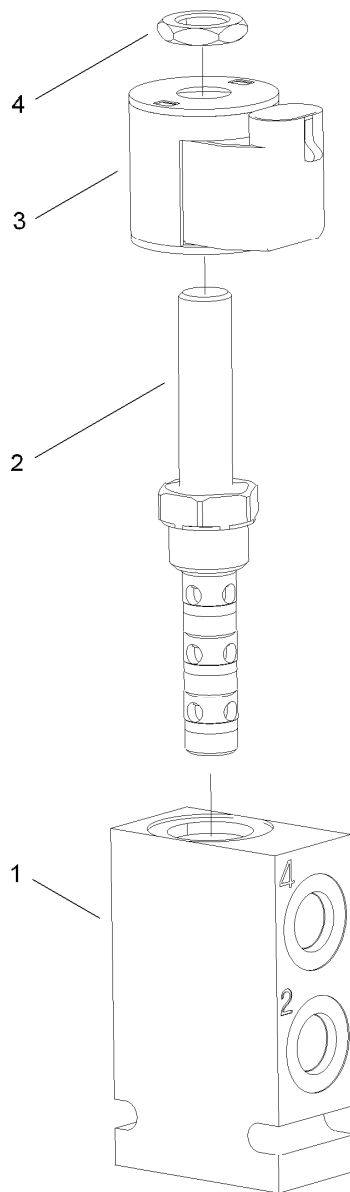
## Hydraulic Tube and Hose Assembly (continued)

| <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>      |
|-------------|--------------------|-------------|-------------------------------------------|-------------|--------------------|-------------|-------------------------|
| 1           | 115-0184           | 1           | Suction Tube ASM                          | 23:1        | 237-22             | 1           | O-Ring                  |
| 2           | 110-5537           | 1           | Tube                                      | 23:2        | 340-117            | 1           | Cap                     |
| 3           | 32180-030          | 1           | Clip-Tie                                  | 24          | 117-3112           | 1           | Tube-Steering, Manifold |
| 5           | 104-7201           | 1           | Nut-Flange, NI                            | 25          | 127-4872           | 1           | Steer/Drain Tube ASM    |
| 6           | 2412-98            | 2           | Clamp-Hose                                | 25:1        | 237-22             | 2           | O-Ring                  |
| 7           | 2412-129           | 4           | Clamp-Hose                                | 25:2        | 340-117            | 1           | Cap                     |
| 8           | 2412-4             | 1           | Clamp                                     | 25:3        | 237-30             | 2           | O-Ring                  |
| 9           | 56-7972            | 2           | Clamp-Tube                                | 26          | 3230-4             | 1           | Screw-CARR              |
| 10          | 125-2893           | 1           | Tube ASM                                  | 27          | 2412-87            | 1           | Clamp-Cable             |
| 10:1        | 237-22             | 1           | O-Ring                                    | 28          | 340-127            | 1           | Nut-Bulkhead            |
| 10:2        | 340-117            | 1           | Cap                                       | 29          | 3290-378           | 2           | Tie-Cable               |
| 11          | 2412-34            | 2           | Clamp-Hose                                | 30          | 3230-3             | 3           | Screw-CARR              |
| 12          | 240-5              | 1           | Grommet                                   | 31          | 117-3122           | 1           | Hose ASM                |
| 13          | 69-8960            | 1           | Spacer                                    | 32          | 119-1433           | 1           | Hose ASM                |
| 14          | 117-3200           | 1           | Hose-Suction                              | 33          | 100-5629           | 1           | Hose ASM                |
| 15          | 120-0245           | 1           | Bracket-Support                           | 34          | 117-3123           | 1           | Hose-HYD                |
| 16          | 104-8300           | 5           | Nut-Flange, NI                            | 35          | 109-0275           | 1           | Hose-Fuel               |
| 17          | 119-1418           | 3           | Plate-Clamp                               | 36          | 117-3121           | 2           | Hose ASM                |
| 18          | 69-8930            | 2           | Washer                                    | 37          | 105-4193           | 1           | HYD Hose ASM            |
| 19          | 117-3117           | 1           | Front Cylinder Steer<br>Manifold Tube ASM | 38          | 117-3114           | 1           | Tube-Drain, Cooler      |
| 19:1        | 237-22             | 1           | O-Ring                                    | 38:1        | 237-21             | 1           | O-Ring                  |
| 20          | 110-0928           | 1           | Hose-HYD                                  | 38:2        | 117-3297           | 1           | Fitting-Cap             |
| 21          | 56-7973            | 6           | Clamp-Tube                                | 39          | 119-8114           | 1           | HYD Hose ASM            |
| 22          | 117-3110           | 1           | Front Steering Tube ASM                   | 40          | 3334-945           | 2           | Tie-Cable               |
| 22:1        | 237-22             | 1           | O-Ring                                    | 41          | 3230-23            | 1           | Screw-CARR              |
| 23          | 125-2890           | 1           | Steer/Lift Tube ASM                       | 42          | 321-5              | 1           | Screw-HH                |



## Hydraulic Valve Assembly

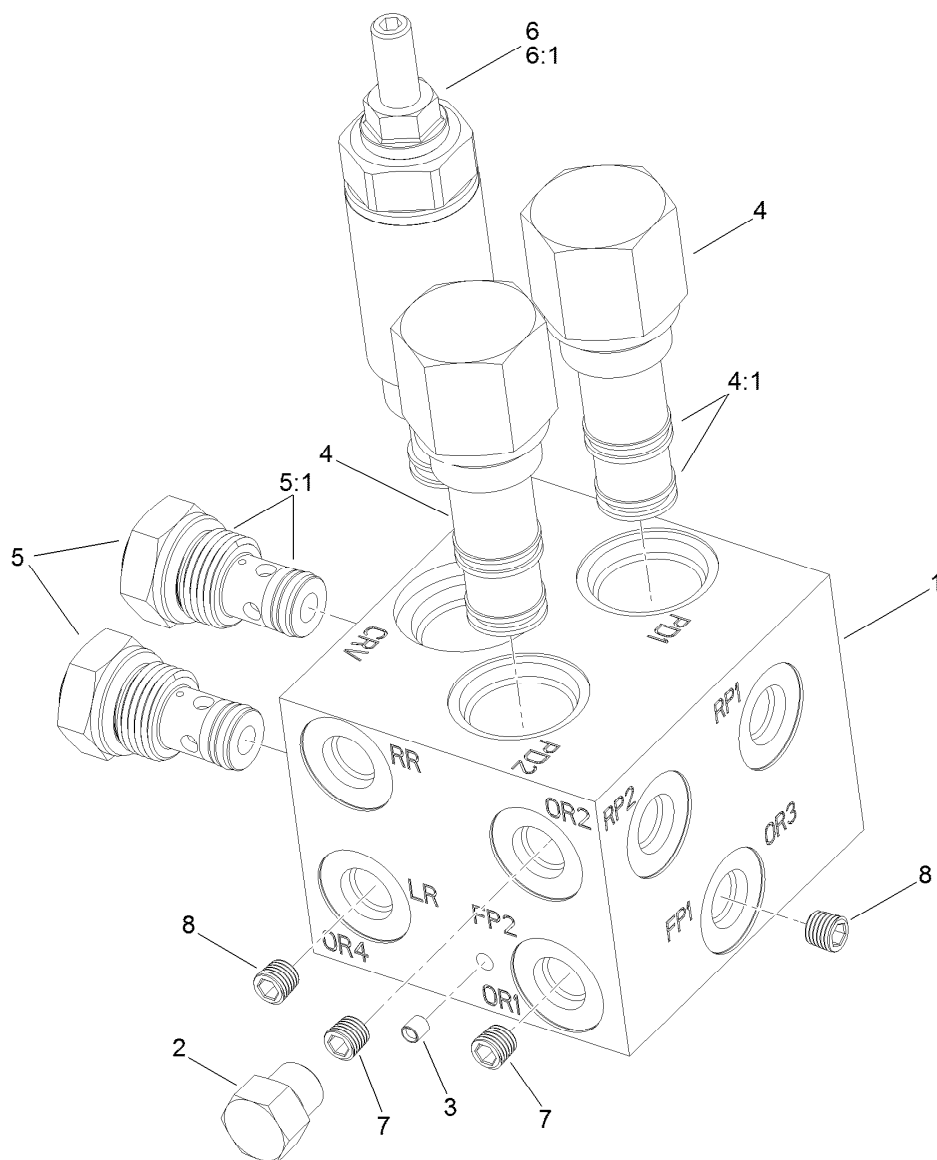
| Ref. | Part Number | Qty. | Description           | Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-----------------------|------|-------------|------|-------------------------------|
| 1    | 323-7       | 2    | Screw-HH              | 11   | 323-20      | 1    | Screw-HH                      |
| 2    | 105-4886    | 2    | Nut-Tinnerman         | 12   | 3234-42     | 2    | Screw-HHF                     |
| 3    | 340-132     | 1    | Fitting-HYD, 90 DEG   | 13   | 115-0280    | 1    | Steer Selector Valve ASM      |
| 3:1  | 237-78      | 1    | O-Ring                | 14   | 340-77      | 3    | Fitting-HYD, 90 DEG           |
| 3:2  | 237-21      | 1    | O-Ring                | 14:1 | 237-22      | 1    | O-Ring                        |
| 4    | 63-9750     | 4    | Mount                 | 14:2 | 237-42      | 1    | O-Ring                        |
| 5    | 63-8410     | 6    | Washer                | 15   | 321-11      | 2    | Screw-HH                      |
| 6    | 340-2       | 1    | Fitting-HYD, Straight | 16   | 115-0384-03 | 1    | Plate-Valve Mount             |
| 6:1  | 237-22      | 1    | O-Ring                | 17   | 117-2247    | 1    | Cross-Trax Traction Valve ASM |
| 6:2  | 237-42      | 1    | O-Ring                | 18   | 340-92      | 1    | Fitting-HYD, Straight         |
| 7    | 104-7201    | 2    | Nut-Flange, NI        | 18:1 | 237-78      | 1    | O-Ring                        |
| 8    | 1-303352    | 4    | Washer-Spindle        | 18:2 | 237-21      | 1    | O-Ring                        |
| 9    | 340-103     | 2    | Fitting-HYD, 45 DEG   | 19   | 323-8       | 1    | Screw-HH                      |
| 9:1  | 237-78      | 1    | O-Ring                | 20   | 104-8301    | 2    | Nut-Flange, NI                |
| 9:2  | 237-21      | 1    | O-Ring                |      |             |      |                               |
| 10   | 119-1409-03 | 1    | Mount-Plate           |      |             |      |                               |



## Steering Selector Valve Assembly No. 115-0280

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           |                    | 1           | Block-Manifold ●   |
| 2           | 119-8042           | 1           | Valve-Solenoid     |
| 3           | 110-6344           | 1           | Coil-12V, Dc       |
| 4           | 110-2634           | 1           | Nut-Coil           |

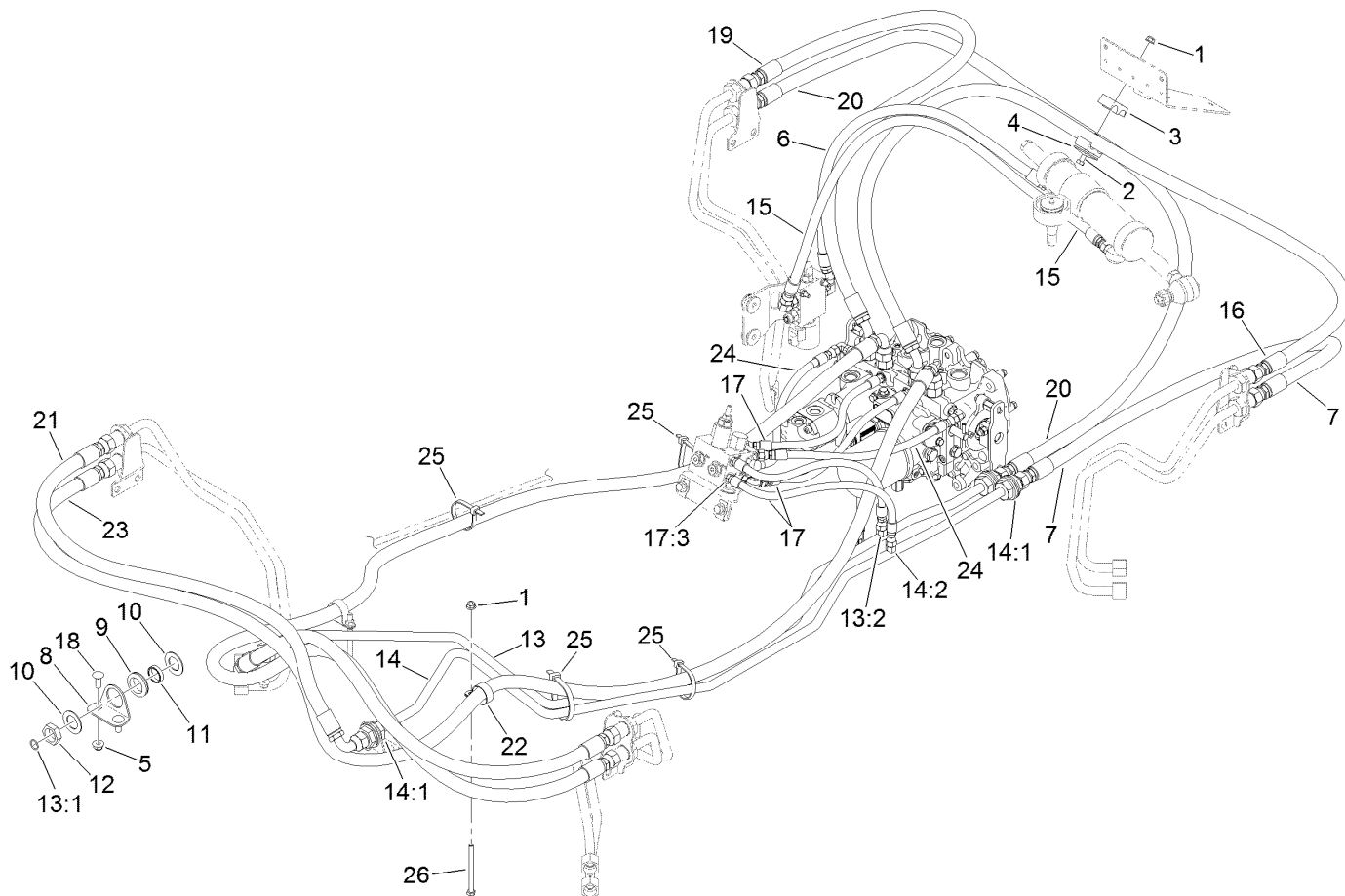
● Not serviced separately



## Cross-Trax Traction Valve Assembly No. 117-2247

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    |             | 1    | Block-Manifold ●         |
| 2    | 117-0115    | 1    | Plug-HYD                 |
| 3    |             | 1    | Plug-4Mm ●               |
| 4    | 119-8028    | 2    | Valve-Pilot, Directional |
| 4:1  | 119-8029    | 1    | Pilot Valve Seal Kit     |
| 5    | 119-8030    | 2    | Valve-Check              |
| 5:1  | 119-8031    | 1    | Seal Kit-Check Valve     |
| 6    | 119-8032    | 1    | Valve-Relief             |
| 6:1  | 119-8033    | 1    | Relief Valve Seal Kit    |
| 7    | 119-8034    | 2    | Orifice-.090             |
| 8    | 119-8035    | 2    | Orifice-.040             |

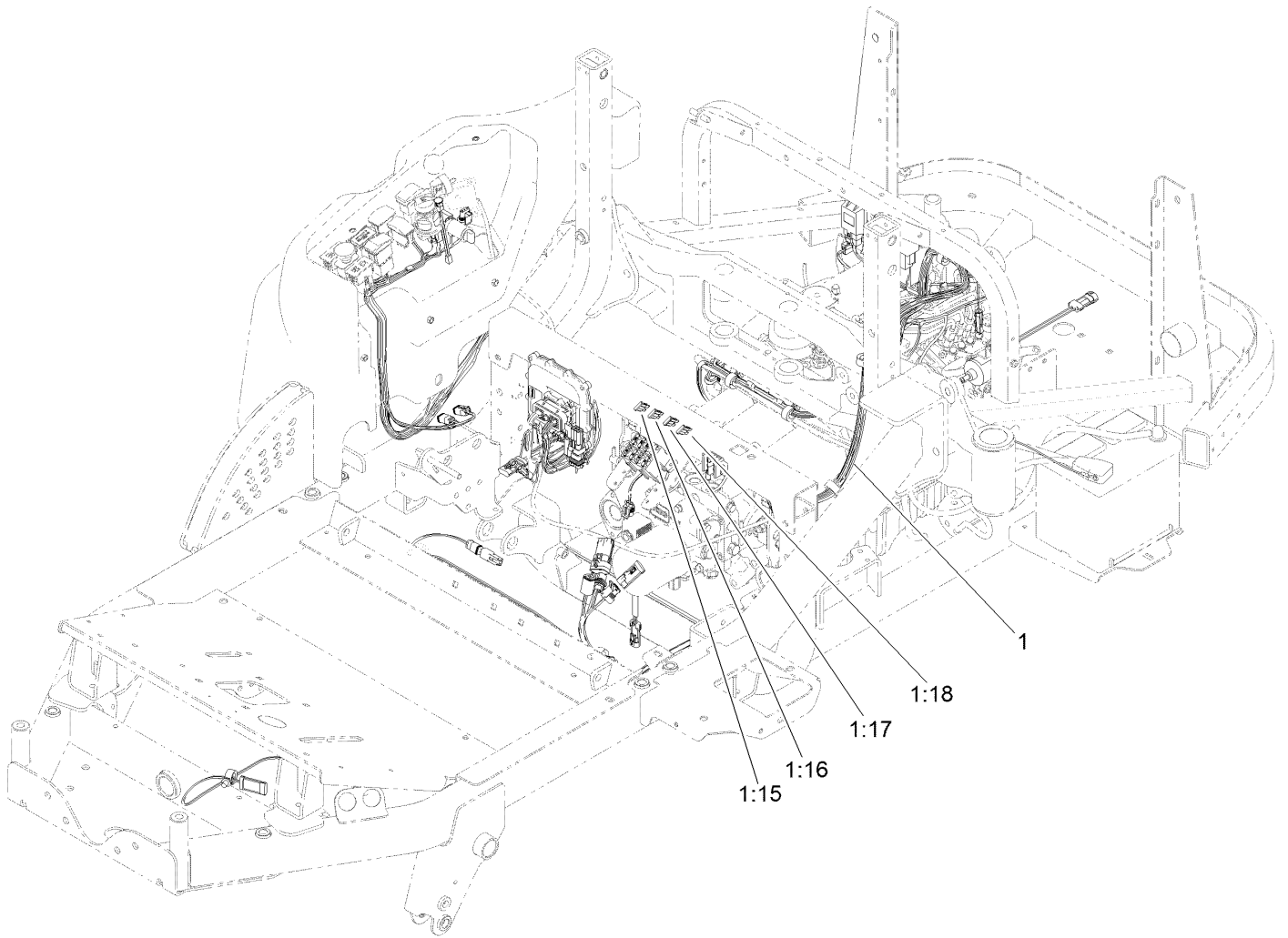
● Not serviced separately



## 4 Wheel Drive Hydraulic Hose Assembly

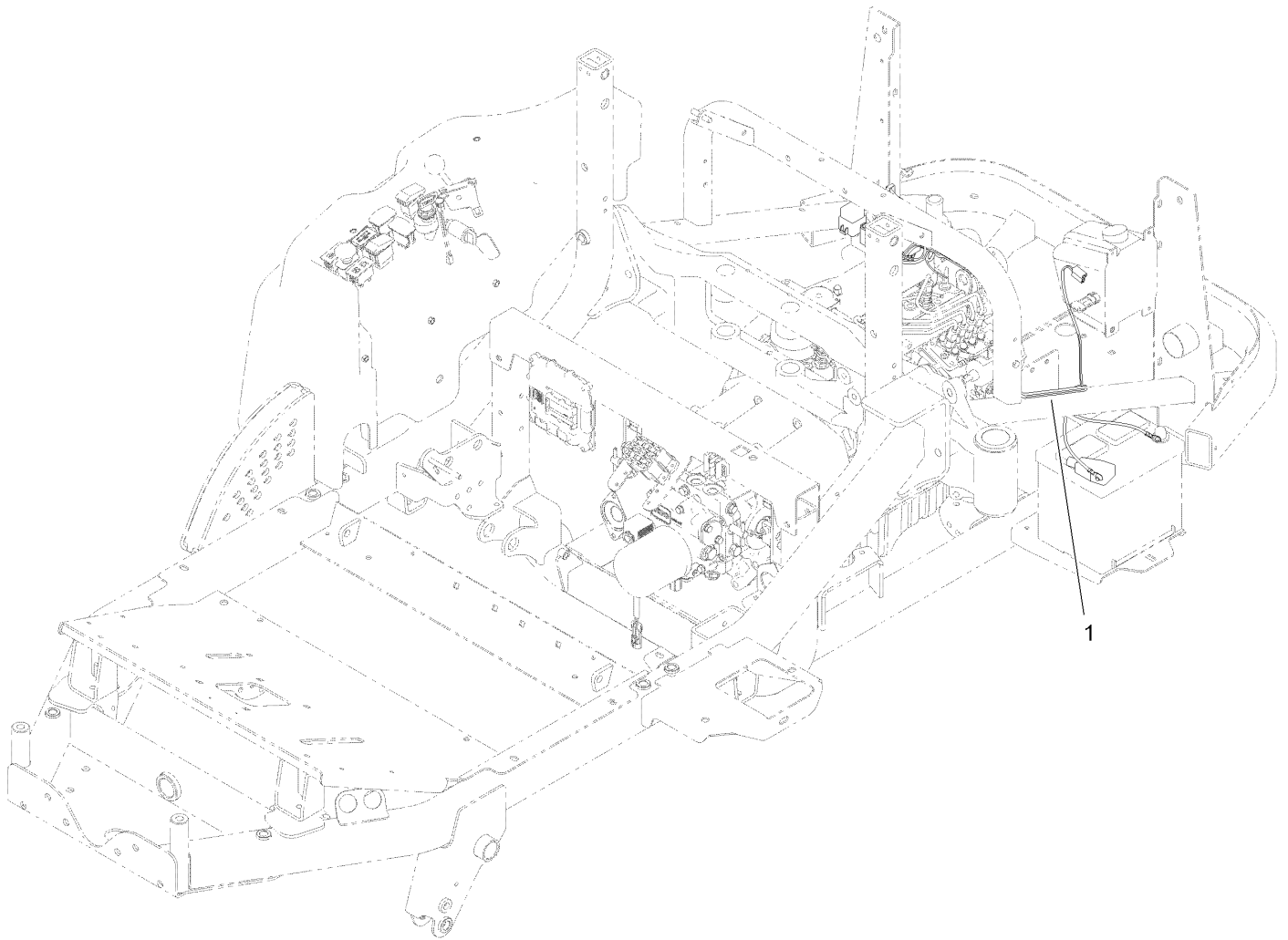
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 104-8300    | 3    | Nut-Flange, NI          |
| 2    | 322-11      | 1    | Screw-HH                |
| 3    | 56-7974     | 2    | Clamp-Tube              |
| 4    | 69-9761     | 1    | Plate-Cover             |
| 5    | 104-8301    | 4    | Nut-Flange, NI          |
| 6    | 119-1431    | 1    | Hose ASM                |
| 7    | 119-1435    | 1    | Hose ASM                |
| 8    | 115-0479    | 2    | Bracket-Bulkhead        |
| 9    | 240-3       | 4    | Grommet-Rubber          |
| 10   | 69-9010     | 8    | Washer                  |
| 11   | 125-1984    | 4    | Spacer                  |
| 12   | 340-74      | 4    | Nut-Lock, Bulkhead      |
| 13   | 117-3115    | 1    | Tube ASM-Front Trax, RH |
| 13:1 | 237-65      | 2    | O-Ring                  |
| 13:2 | 237-20      | 1    | O-Ring                  |
| 14   | 117-3116    | 1    | Tube ASM-Front Trax, LH |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 14:1 | 237-65      | 2    | O-Ring      |
| 14:2 | 237-21      | 1    | O-Ring      |
| 15   | 119-1432    | 1    | Hose ASM    |
| 16   | 117-3249    | 1    | Hose ASM    |
| 17   | 115-0377    | 4    | Hose ASM    |
| 17:3 | 237-78      | 1    | O-Ring      |
| 18   | 3231-22     | 4    | Screw-CARR  |
| 19   | 131-5506    | 1    | Hose ASM    |
| 20   | 117-3248    | 1    | Hose ASM    |
| 21   | 117-3124    | 2    | Hose ASM    |
| 22   | 2412-74     | 2    | R-Clamp     |
| 23   | 117-3126    | 2    | Hose ASM    |
| 24   | 117-3127    | 2    | Hose ASM    |
| 25   | 3334-945    | 4    | Tie-Cable   |
| 26   | 322-19      | 2    | Screw-HH    |



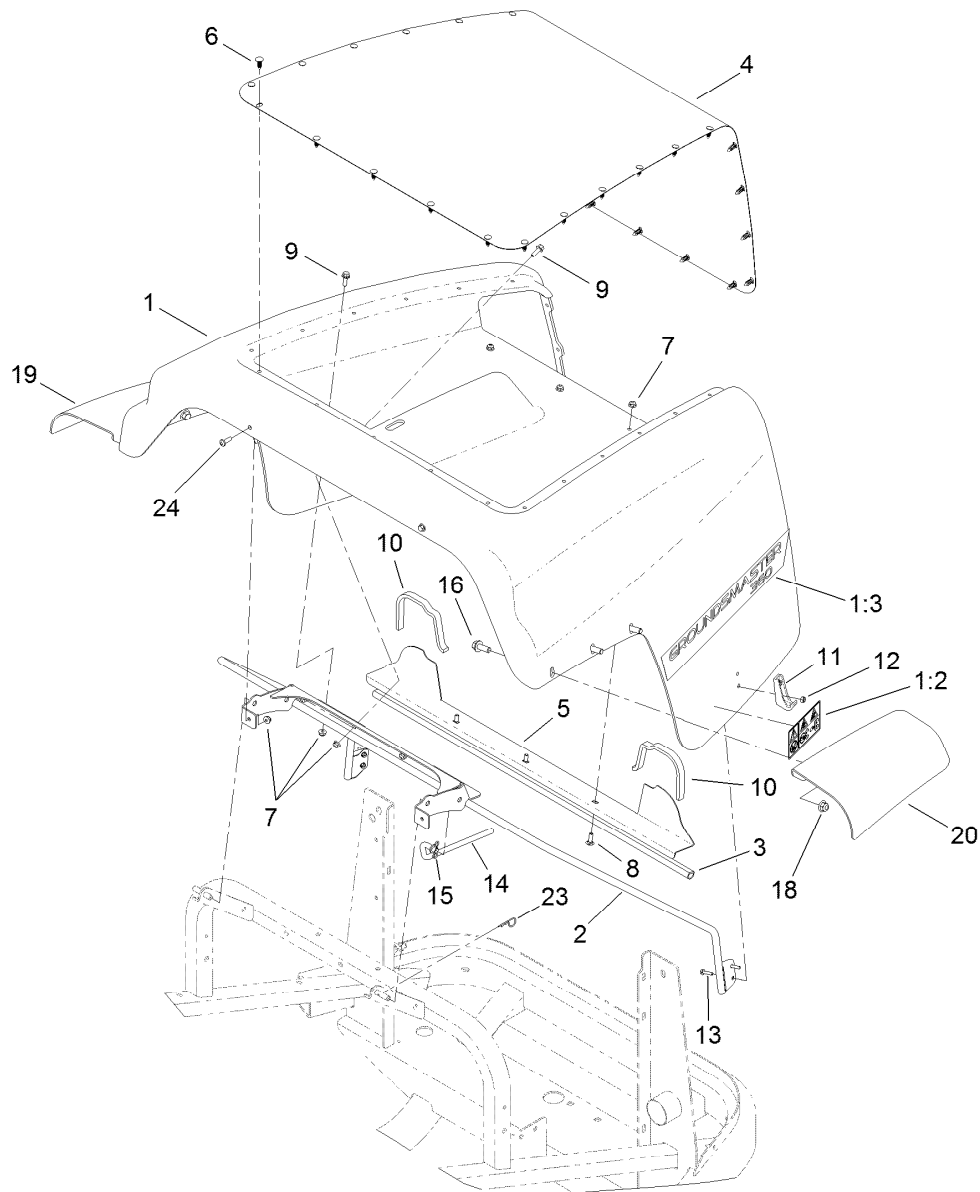
## Electrical Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 122-0170    | 1    | Harness-Wire, 4Wd   |
| 1:15 | 94-6710     | 1    | Fuse-2 Amp          |
| 1:16 | 114241      | 3    | Fuse-Blade, 7.5 Amp |
| 1:17 | 218-578     | 4    | Fuse-Blade, 10 Amp  |
| 1:18 | 109355      | 1    | Fuse-Blade, 15 Amp  |



## Cab Wire Harness Assembly

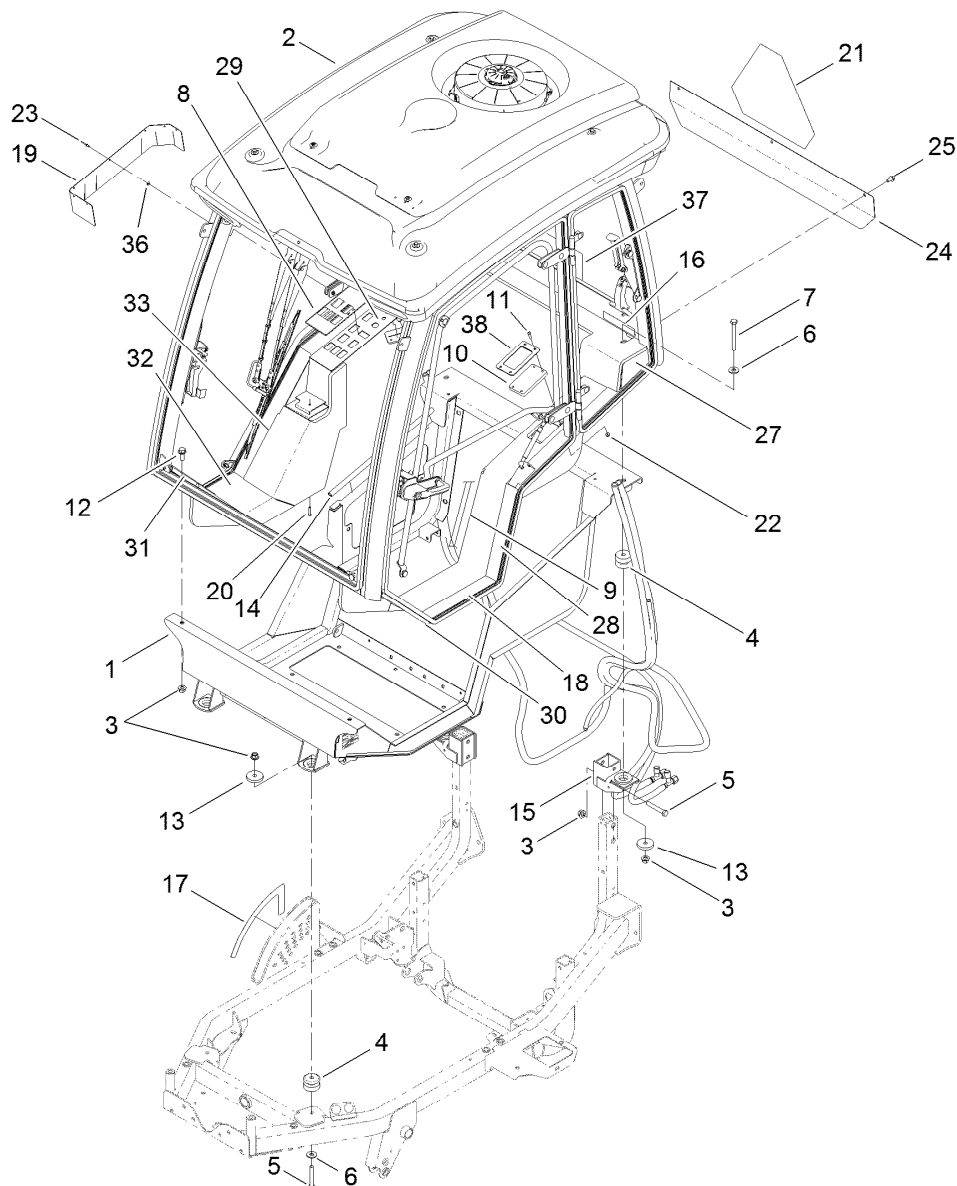
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 119-5767    | 1    | Harness-Wire, Cab |



## Hood Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 120-0266    | 1    | Hood ASM       |
| 1:2  | 117-3270    | 2    | Decal-Danger   |
| 1:3  | 117-3279    | 2    | Decal-Hood     |
| 2    | 115-0364-03 | 1    | Mount-Hood     |
| 3    | 115-0423    | 1    | Seal-Bulb      |
| 4    | 115-0370-03 | 1    | Screen         |
| 5    | 115-0422-03 | 1    | Seal-Hood      |
| 6    | 117-2382    | 29   | Plug-Plastic   |
| 7    | 104-7201    | 11   | Nut-Flange, NI |
| 8    | 3229-1      | 3    | Bolt-CARR      |
| 9    | 3234-4      | 6    | Screw-HHF      |
| 10   | 110-8288    | 2    | Seal-Foam      |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 11   | 103-2897    | 2    | Latch-Catch         |
| 12   | 3296-2      | 4    | Nut-Lock, NI        |
| 13   | 32105-13    | 4    | Screw-HWH           |
| 14   | 117-3171    | 1    | Rod-Prop            |
| 15   | 119-1415    | 1    | Pin-Cotter, Locking |
| 16   | 3234-42     | 6    | Screw-HHF           |
| 18   | 104-8301    | 6    | Nut-Flange, NI      |
| 19   | 117-3369    | 1    | Fender-Rear, RH     |
| 20   | 117-3368    | 1    | Fender-Rear, LH     |
| 23   | 9335054     | 1    | Pin-Hair            |
| 24   | 3250-32     | 2    | Screw-PPH           |

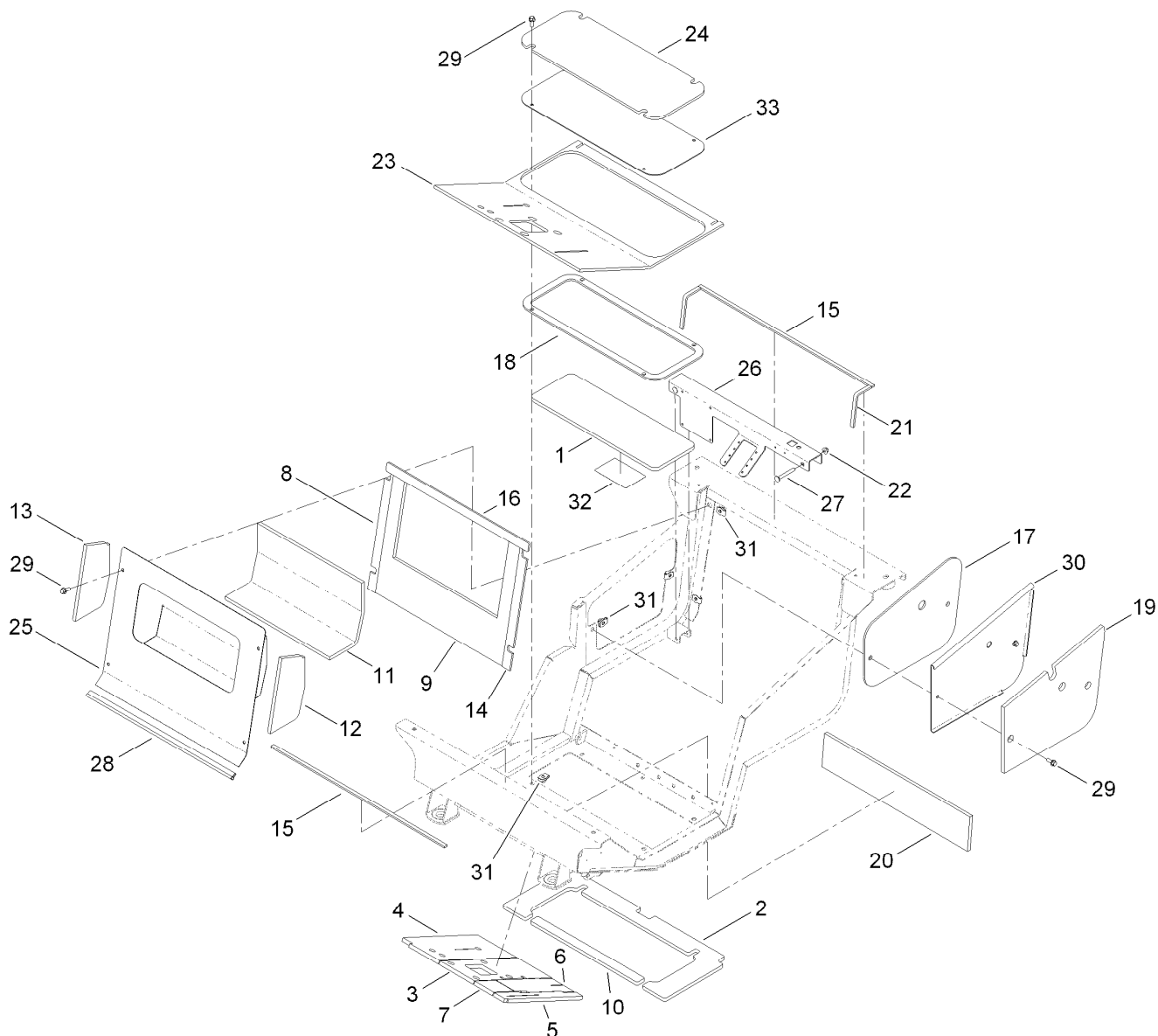


## Cab Platform Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 119-1399-03 | 1    | Platform-Cab             |
| 2    |             | 1    | Cab ASM ●                |
| 3    | 99-5107     | 10   | Nut-Lock                 |
| 4    | 110-5954    | 4    | Mount-Center, Bonded     |
| 5    | 112-7264    | 6    | Screw-HH                 |
| 6    | 3256-6      | 4    | Washer-Flat              |
| 7    | 702093      | 2    | Screw-HH                 |
| 8    | 119-9899    | 1    | Decal-Control Panel, Cab |
| 9    | 120-6661    | 1    | Seal-Bulb                |
| 10   | 119-9878    | 1    | Window-Gauge, Fuel       |
| 11   | 3274-65     | 4    | Screw-HSBH               |
| 12   | 3234-38     | 2    | Screw-HHF                |
| 13   | 115-5519    | 4    | Washer-Plain             |
| 14   | 117-3197    | 1    | Seal-Bulb                |
| 15   | 117-3060-03 | 2    | Cab Mount ASM            |
| 16   | 119-0124    | 1    | Decal-Warning            |
| 17   | 115-0493    | 1    | Decal-HOC, Cab           |
| 18   | 119-8085    | 1    | Mat-Floor, Step          |

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 19   | 119-9886    | 1    | Shield-Console              |
| 20   | 321-13      | 1    | Screw-HH                    |
| 21   | 120-0250    | 1    | Decal-Warning               |
| 22   | 107069      | 5    | Clip                        |
| 23   | 3269-23     | 7    | Rivet-Pop                   |
| 24   | 119-9898-03 | 1    | Cover-Hose, Cab             |
| 25   | 110-9380    | 3    | Screw-HWH                   |
| 27   | 119-8088    | 1    | Foam-Interior               |
| 28   | 119-8077    | 1    | Foam-Interior               |
| 29   | 119-8087    | 1    | Foam                        |
| 30   | 119-8081    | 1    | Foam-Interior               |
| 31   | 119-8082    | 1    | Foam-Interior               |
| 32   | 119-8083    | 1    | Foam-Interior               |
| 33   | 119-8084    | 1    | Foam-Interior               |
| 36   | 3269-26     | 7    | Washer-Plain                |
| 37   | 120-0259    | 1    | Decal-Instructions, Service |
| 38   | 120-0317-03 | 1    | Plate-Cover                 |

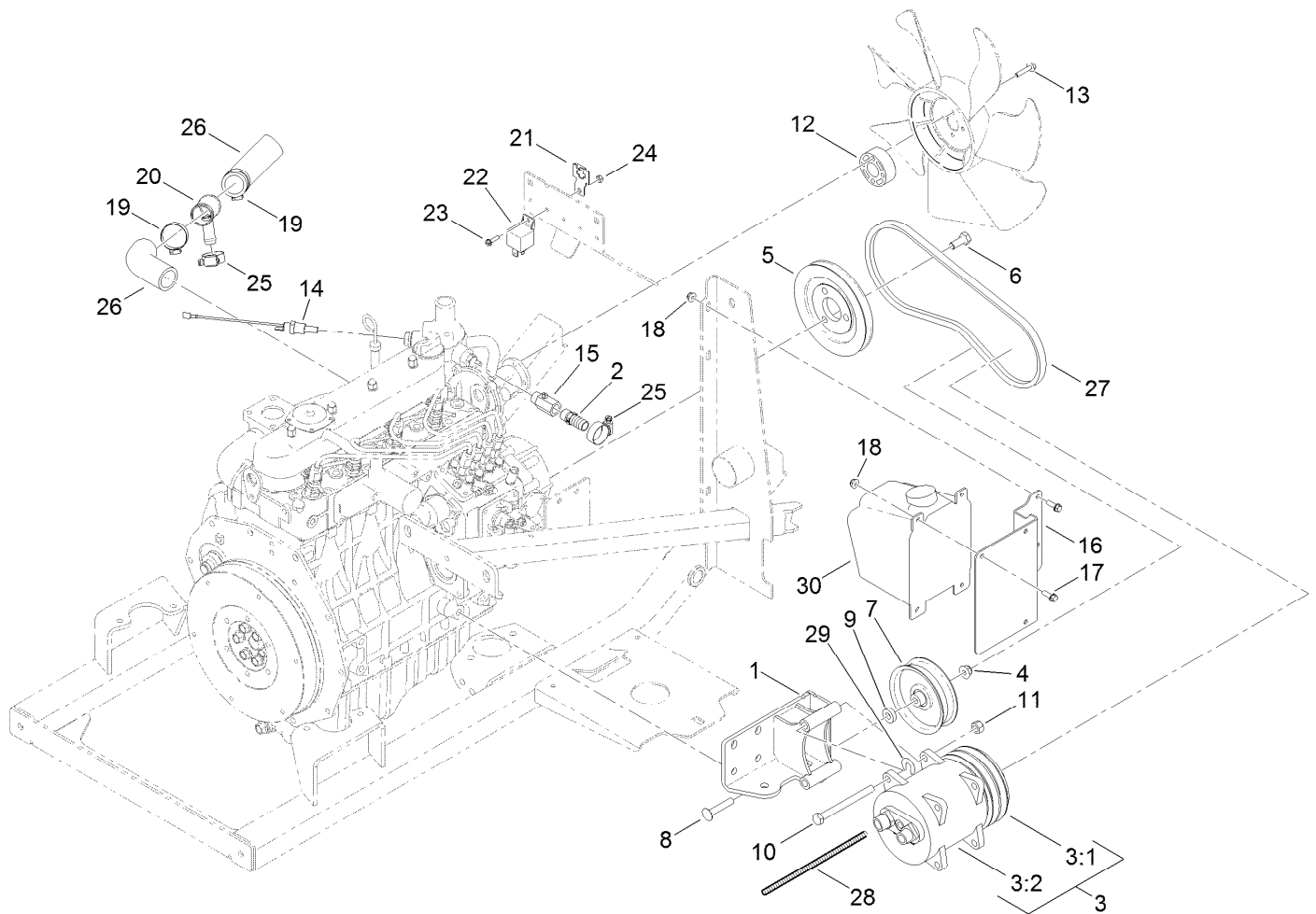
● Not serviced separately



## Foam Installation Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 119-8052    | 1    | Foam        |
| 2    | 119-8053    | 1    | Foam        |
| 3    | 119-8054    | 1    | Foam        |
| 4    | 119-8055    | 1    | Foam        |
| 5    | 119-8056    | 1    | Foam        |
| 6    | 119-8057    | 1    | Foam        |
| 7    | 119-8058    | 1    | Foam        |
| 8    | 119-8064    | 1    | Foam        |
| 9    | 119-8065    | 1    | Foam        |
| 10   | 119-8066    | 1    | Foam        |
| 11   | 119-8067    | 1    | Foam        |
| 12   | 119-8068    | 1    | Foam        |
| 13   | 119-8069    | 1    | Foam        |
| 14   | 119-8063    | 1    | Foam        |
| 15   | 119-9897    | 2    | Strip-Foam  |
| 16   | 119-8062    | 1    | Foam        |
| 17   | 119-8050    | 1    | Foam        |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 18   | 119-8051    | 1    | Foam                |
| 19   | 119-8086    | 1    | Foam-Interior       |
| 20   | 119-8076    | 1    | Foam-Interior       |
| 21   | 119-9896    | 2    | Strip-Foam          |
| 22   | 104-8301    | 2    | Nut-Flange, NI      |
| 23   | 119-8078    | 1    | Mat-Floor           |
| 24   | 119-8079    | 1    | Mat-Panel, Floor    |
| 25   | 117-3392-03 | 1    | Firewall ASM        |
| 26   | 117-3323-03 | 1    | Channel-Seat        |
| 27   | 3231-10     | 2    | Screw-CARR          |
| 28   | 117-3398    | 1    | Seal-Bulb           |
| 29   | 110-5052    | 10   | Screw-HHF           |
| 30   | 117-3397-03 | 1    | Panel-Access, Cab   |
| 31   | 105-4886    | 10   | Nut-Tinnerman       |
| 32   | 112-1461    | 1    | Decal-Routing, Belt |
| 33   | 117-3322-03 | 1    | Cover-Floor         |

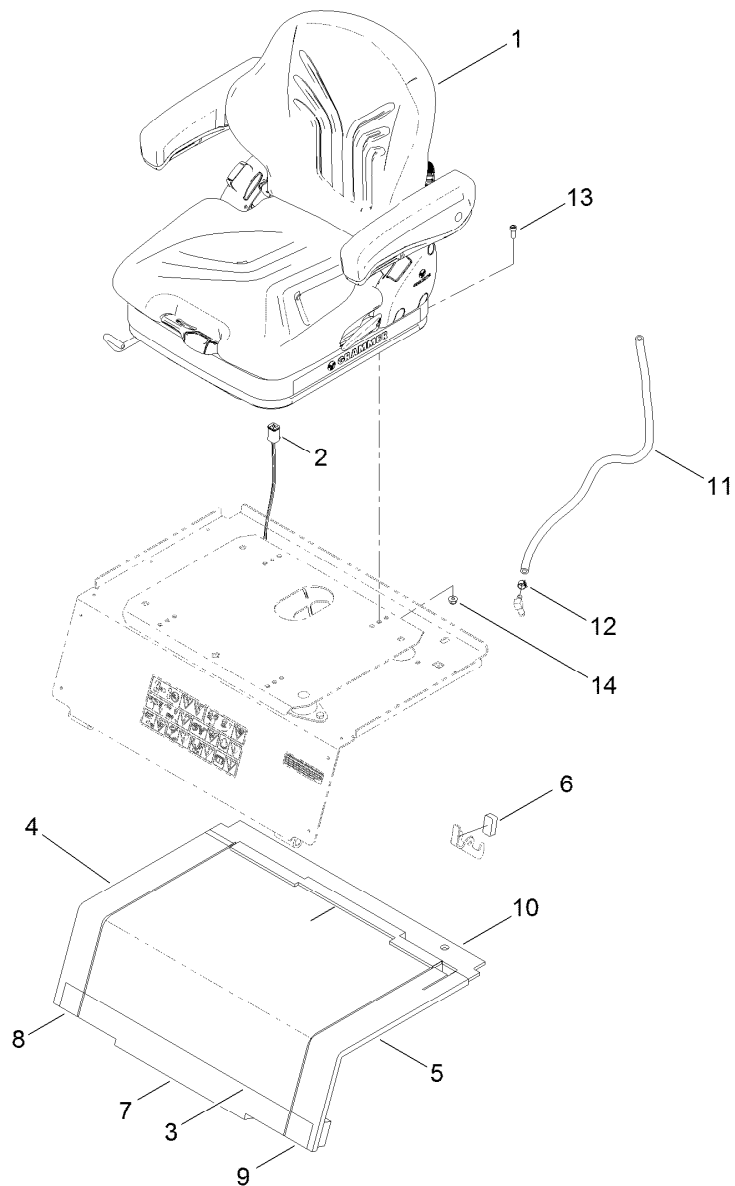


## Air Conditioning Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 125-4410-03 | 1    | Bracket-Mount, Ac |
| 2    | 117-9410    | 1    | Fitting-Straight  |
| 3    | 117-3048    | 1    | Compressor ASM    |
| 3:1  | 120-0251    | 1    | Clutch-Compressor |
| 3:2  |             | 1    | Compressor ●      |
| 4    | 104-8301    | 1    | Nut-Flange, NI    |
| 5    | 115-0103    | 1    | Pulley            |
| 6    | 43-0090     | 3    | Screw-HH          |
| 7    | 98-3095     | 1    | Pulley-Idler      |
| 8    | 117-9971    | 1    | Bolt-Carriage     |
| 9    | 5-0652      | 1    | Spacer            |
| 10   | 33115-110   | 2    | Screw-HH          |
| 11   | 33025-00    | 2    | Nut-Lock, NI      |
| 12   | 109-2675    | 1    | Spacer, Fan       |
| 13   | 33103-030   | 4    | Screw-HHF         |
| 14   | 112-6347    | 1    | Switch-Temp, Dual |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 15   | 117-3291    | 1    | Valve-Ball, Modified |
| 16   | 117-2230-03 | 1    | Plate-Mounting       |
| 17   | 32105-15    | 4    | Screw-HWH            |
| 18   | 104-7201    | 4    | Nut-Flange, NI       |
| 19   | 2412-34     | 2    | Clamp-Hose           |
| 20   | 119-0142    | 1    | Fitting-Radiator     |
| 21   | 114-5502    | 1    | Clip-Fuse            |
| 22   | 99-7435     | 1    | Relay-Power          |
| 23   | 32105-13    | 1    | Screw-HWH            |
| 24   | 3296-2      | 1    | Nut-Lock, NI         |
| 25   | 2412-129    | 2    | Clamp-Hose           |
| 26   | 120-0252    | 2    | Hose-Radiator, Lower |
| 27   | 117-3399    | 1    | Belt-V               |
| 28   | 115-8882    | 1    | Conduit-Convolutd    |
| 29   | 119-7734    | 4    | Shim (.004)          |
| 30   | 115-8848    | 1    | Tank-Fluid, Washer   |

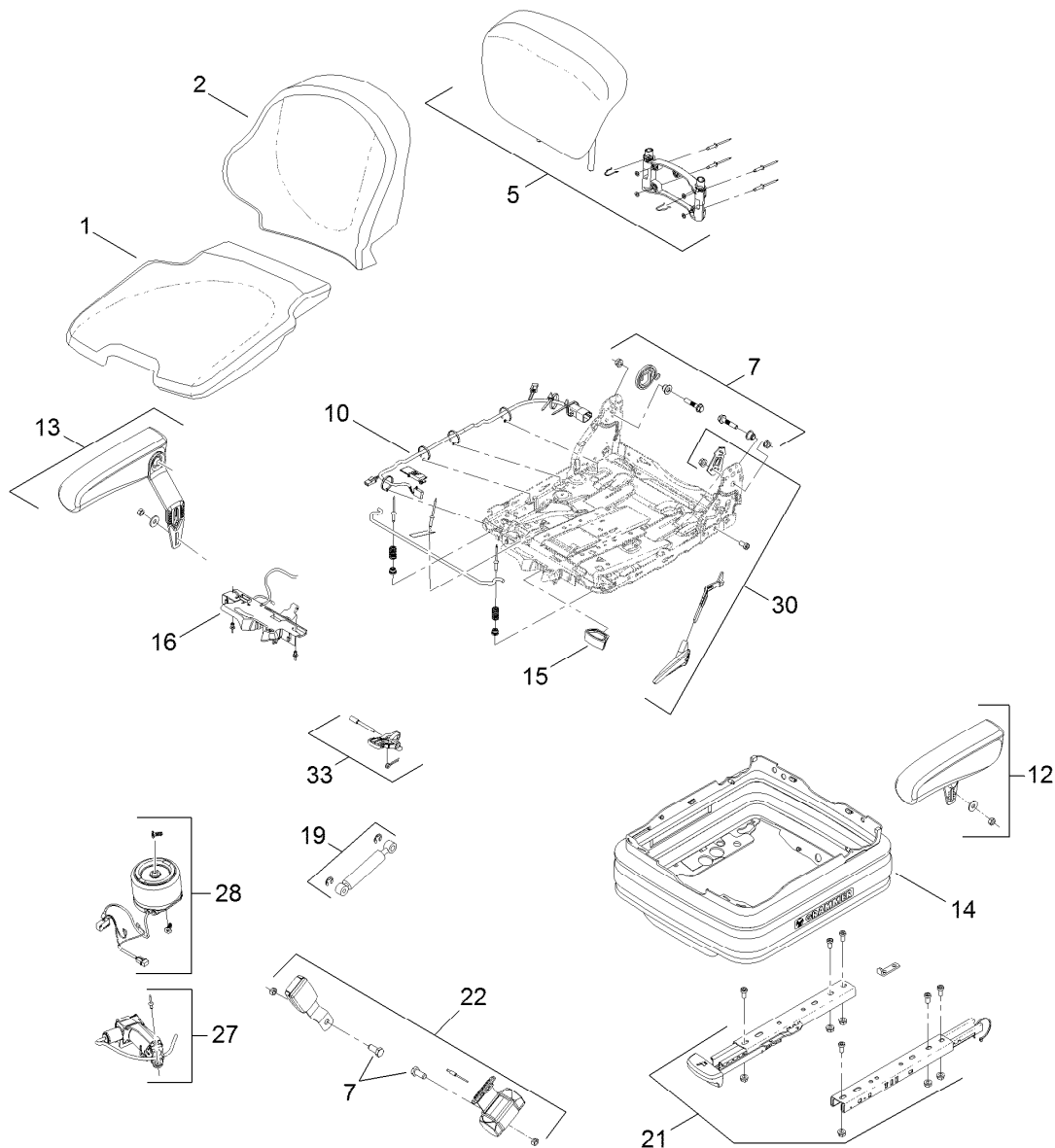
● Not serviced separately



## Seat Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 117-3096    | 1    | Vinyl Air Ride Seat ASM ● |
| 2    | 119-5787    | 1    | Harness-Wire, Seat        |
| 3    | 119-8059    | 1    | Foam                      |
| 4    | 119-8073    | 1    | Foam                      |
| 5    | 119-8074    | 1    | Foam                      |
| 6    | 119-8060    | 1    | Foam                      |
| 7    | 119-8070    | 1    | Foam                      |
| 8    | 119-8071    | 1    | Foam                      |
| 9    | 119-8072    | 1    | Foam                      |
| 10   | 119-8075    | 1    | Foam                      |
| 11   | 110-3257    | 1    | Hose-Fuel                 |
| 12   | 92-2379     | 1    | Clamp-Hose                |
| 13   | 3274-10     | 4    | Screw-HSH                 |
| 14   | 104-8300    | 4    | Nut-Flange, NI            |

● Optional Equipment

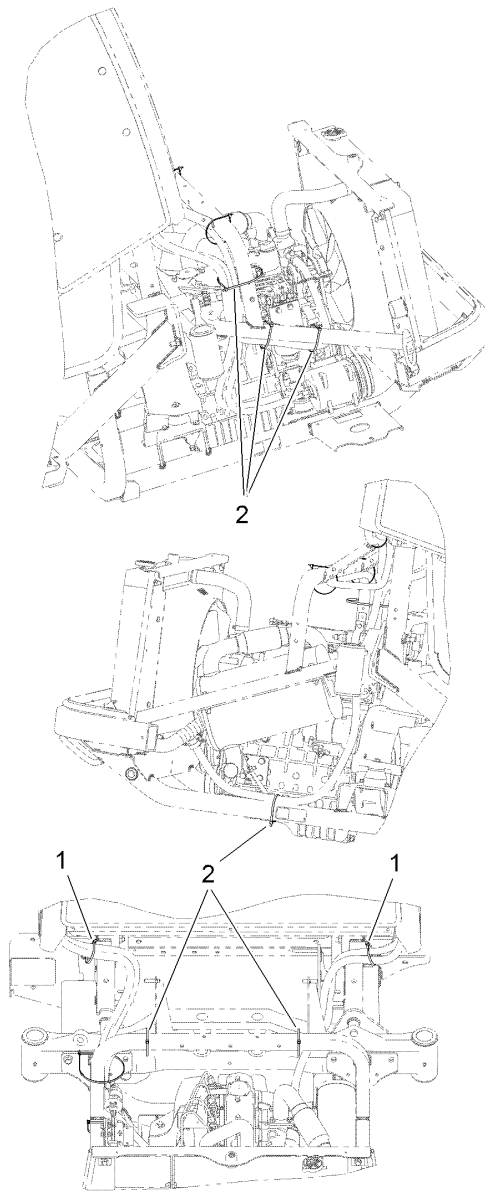


## Cloth Air Ride Seat Assembly

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 1    | 120-0565    | 1    | Cloth Seat Cushion Kit         |
| 2    | 120-0566    | 1    | Cloth Back Cushion Kit         |
| 5    | 120-0567    | 1    | Backrest Cloth Extension Kit ● |
| 7    | 120-0568    | 1    | Backrest Kit                   |
| 10   | 120-0569    | 1    | Switch Kit                     |
| 12   | 119-7105    | 1    | Premium Armrest Kit            |
| 13   | 120-0571    | 1    | RH Armrest Kit                 |
| 14   | 120-0572    | 1    | Bellows                        |

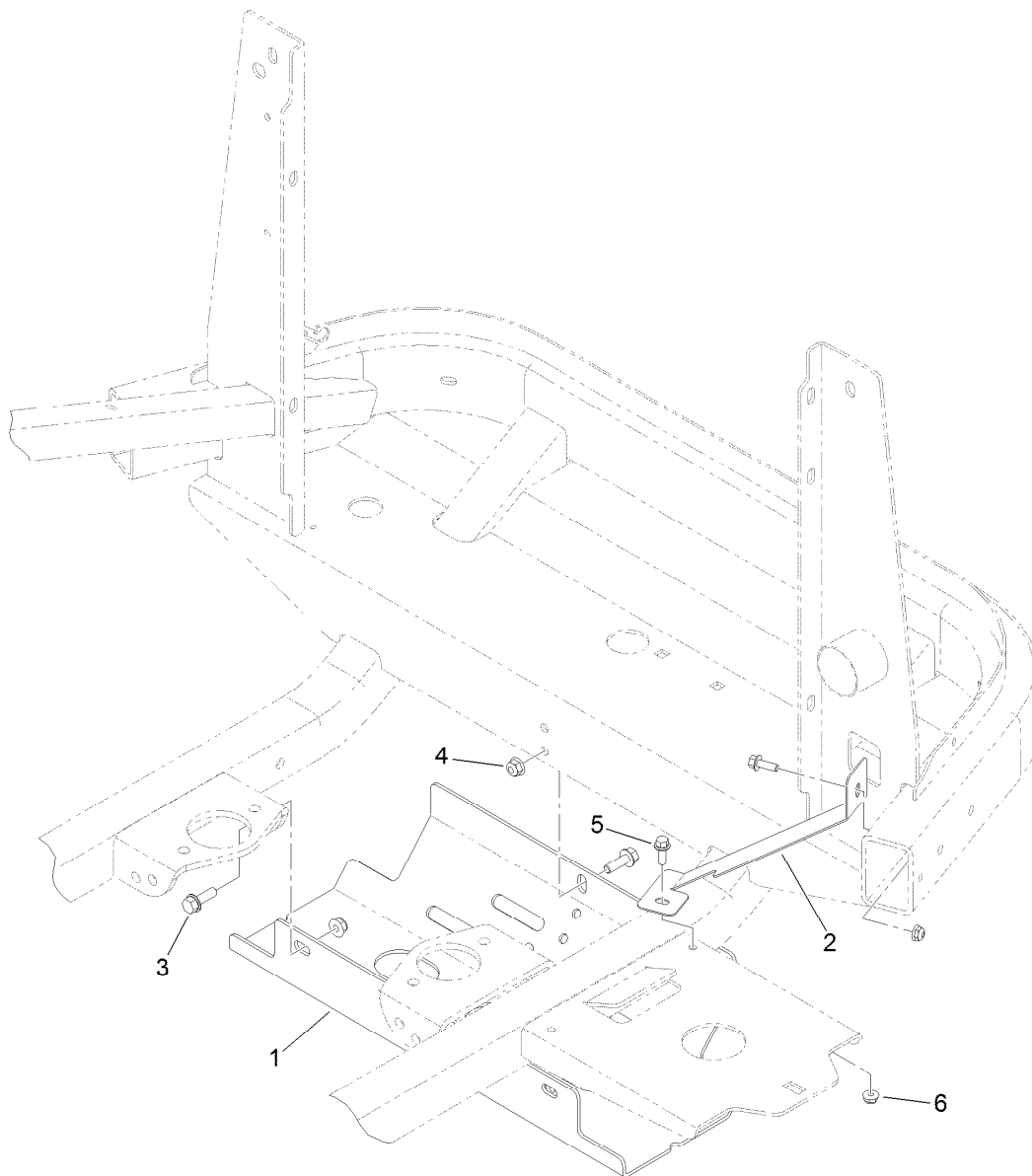
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 15   | 120-0573    | 1    | Handle                  |
| 16   | 120-0574    | 1    | Housing                 |
| 19   | 120-0575    | 1    | Shock Absorber Kit      |
| 21   | 120-0584    | 1    | Rails Adjustment Kit    |
| 22   | 120-0576    | 1    | Seatbelt Kit            |
| 27   | 120-0577    | 1    | Compressor              |
| 28   | 120-0578    | 1    | Air Spring Kit          |
| 30   | 120-0579    | 1    | Backrest Adjustment Kit |
| 33   | 120-0580    | 1    | Lever Kit               |

● Optional Equipment



## Harness Clip Assembly

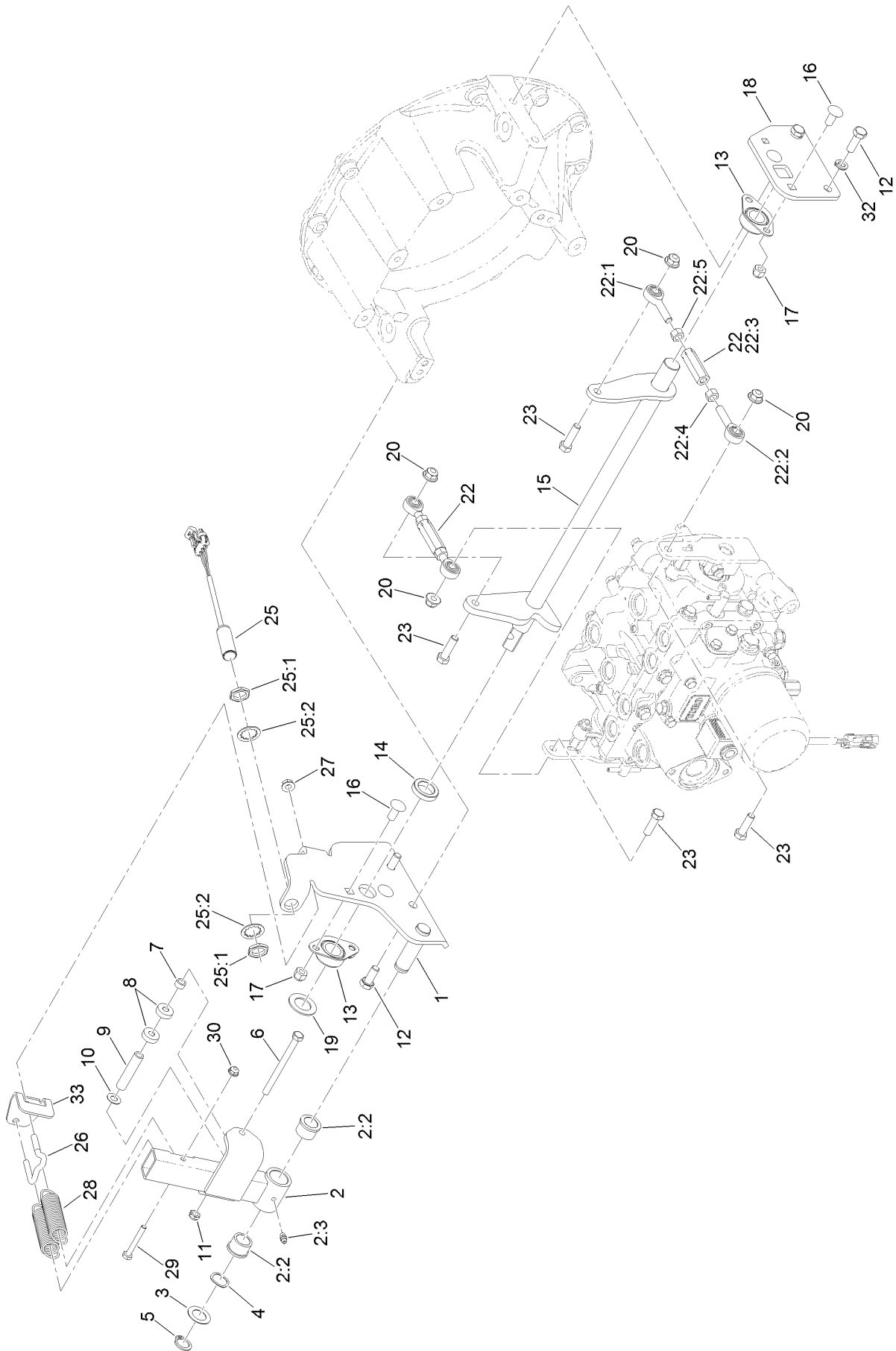
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 32180-030          | 2           | Clip-Tie           |
| 2           | 3290-379           | 7           | Tie-Cable          |



## French Guarding Assembly

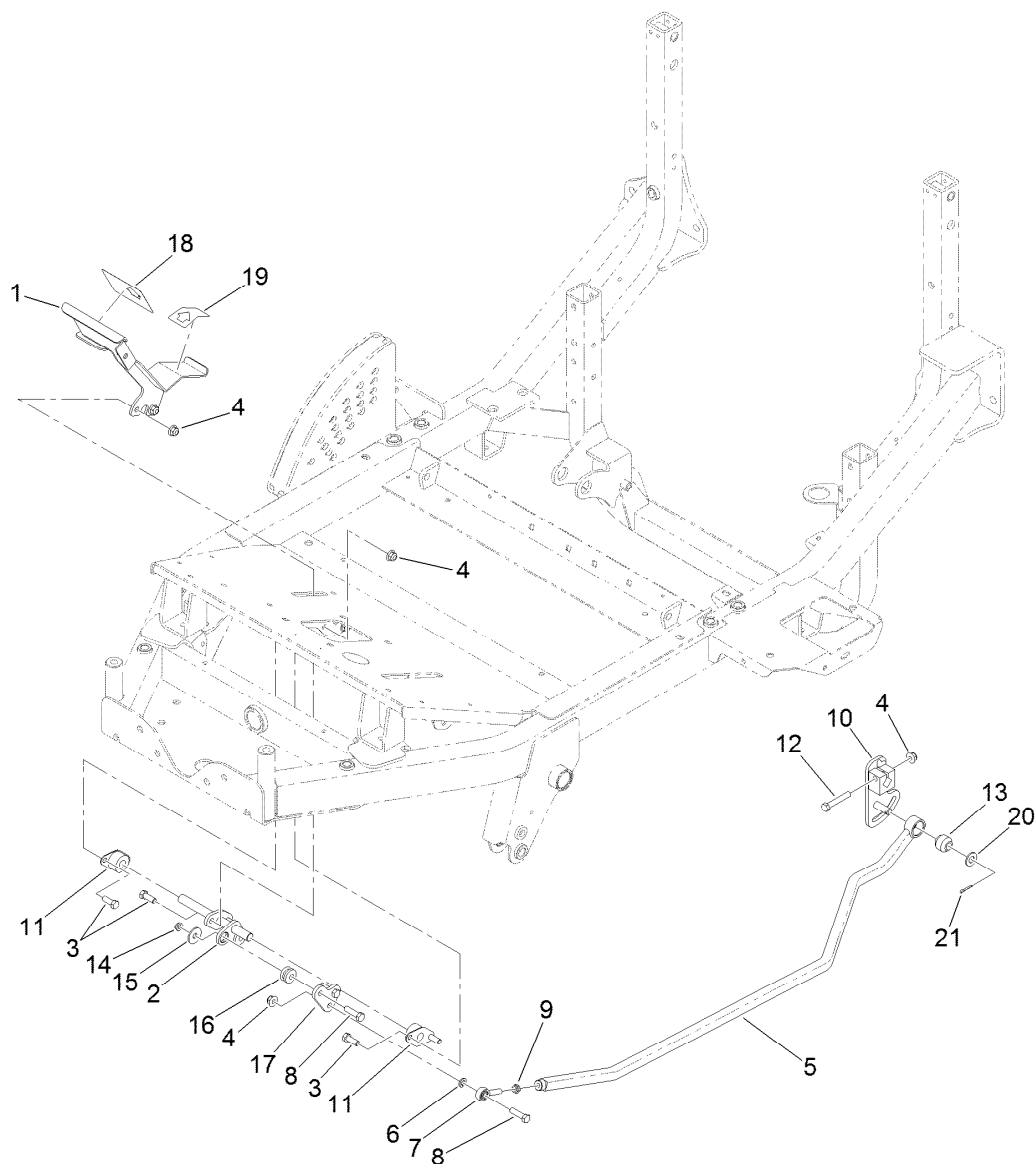
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 127-4927-03 | 1    | Shield-Lower    |
| 2    | 127-4928-03 | 1    | Shield-LH, Rear |
| 3    | 3234-29     | 3    | Screw-HHF       |
| 4    | 104-8300    | 3    | Nut-Flange, NI  |
| 5    | 3234-4      | 2    | Screw-HHF       |
| 6    | 104-7201    | 2    | Nut-Flange, NI  |

# Neutral System Assembly



## Neutral System Assembly (continued)

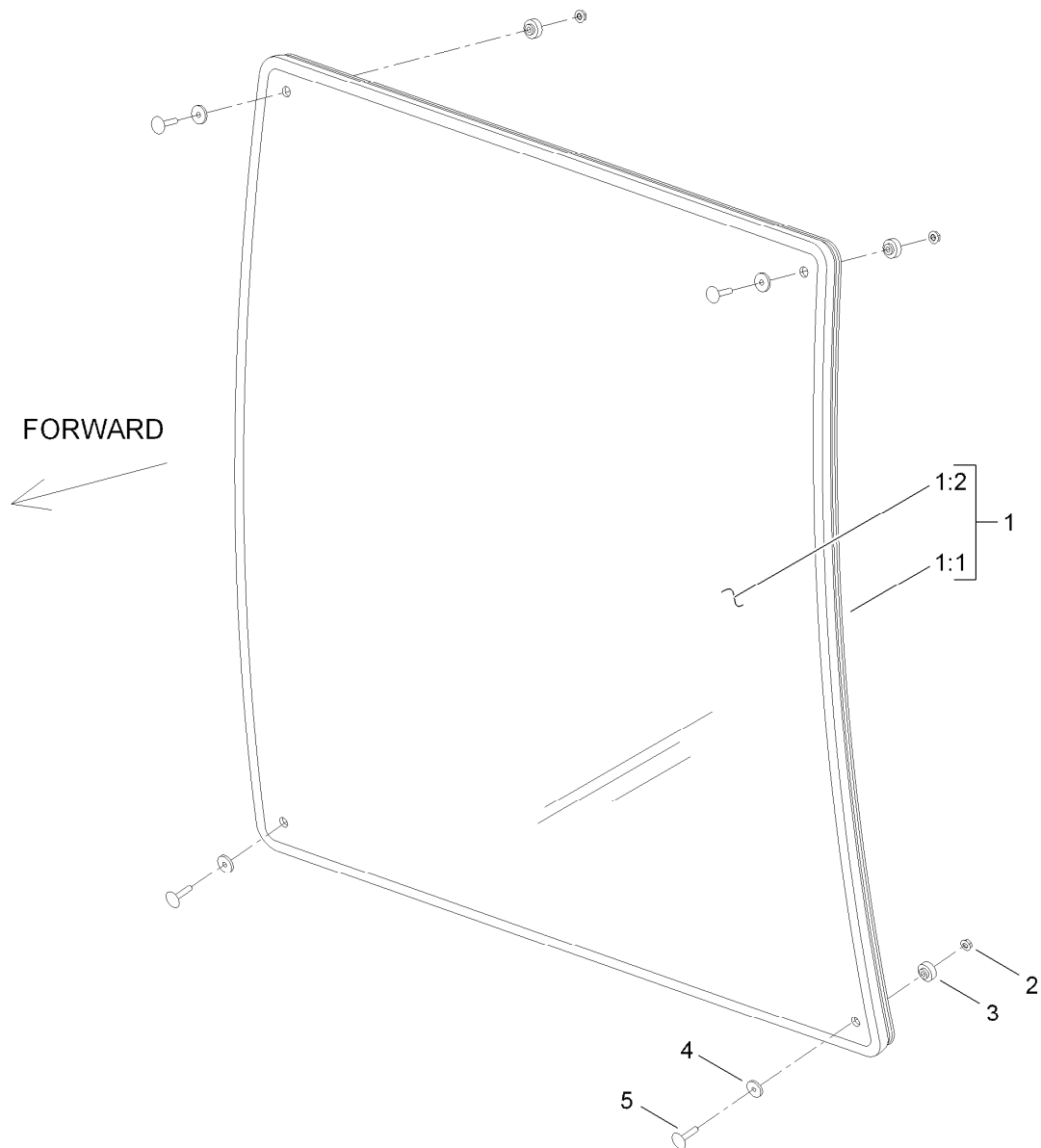
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|-----------------------------|
| 1           | 125-9220-03        | 1           | Plate-End, Neutral    | 19          | 119-2332           | 1           | Washer-Flat                 |
| 2           | 125-4366           | 1           | Neutral Arm ASM       | 20          | 104-8301           | 4           | Nut-Flange, NI              |
| 2:2         | 256-113            | 2           | Bushing-Flange        | 22          | 125-2870           | 2           | Link ASM                    |
| 2:3         | 302-5              | 1           | Fitting-Grease        | 22:1        | 125-4389           | 1           | Bearing-End, Rod            |
| 3           | 3-6498             | 1           | Washer-Thrust         | 22:2        | 2411-36            | 1           | Bearing-End, Rod            |
| 4           | 119-4164           | 1           | Washer-Wave           | 22:3        | 125-4390           | 1           | Hex-Adjustment              |
| 5           | 32120-93           | 1           | Ring-Retaining        | 22:4        | 3219-3             | 1           | Nut-Hex                     |
| 6           | 322-19             | 1           | Screw-HH              | 22:5        | 3219-20            | 1           | Nut-Hex, LH                 |
| 7           | 85-9120            | 1           | Spacer-Pivot, Tilt    | 23          | 323-29             | 4           | Screw-HH                    |
| 8           | 251-307            | 2           | Bearing-Ball          | 25          | 115-5300           | 1           | Proximity Switch ASM        |
| 9           | 125-2877           | 1           | Spacer                | 25:1        | 117-3207           | 2           | Nut-Hex                     |
| 10          | 73-0041            | 1           | Washer-Thrust         | 25:2        | 117-3208           | 2           | Washer-Lock, Internal Tooth |
| 11          | 3296-47            | 1           | Nut-Lock, NI          | 26          | 131-3376           | 1           | Hook-Spring, Dual           |
| 12          | 120-9635           | 4           | Screw-HH              | 27          | 32128-25           | 1           | Nut-HF                      |
| 13          | 117-3255           | 2           | Bearing-Side Flange   | 28          | 131-3374           | 2           | Spring-Extension            |
| 14          | 125-2879           | 1           | Spacer-Shaft, Neutral | 29          | 321-11             | 1           | Screw-HH                    |
| 15          | 125-2865-03        | 1           | Neutral Shaft ASM     | 30          | 104-7201           | 1           | Nut-Flange, NI              |
| 16          | 3231-27            | 4           | Screw-CARR            | 32          | 48-9590            | 4           | Washer-Lock                 |
| 17          | 3296-39            | 4           | Nut-Lock, NI          | 33          | 131-3377           | 1           | Tab-Anti Rotation           |
| 18          | 125-9213-03        | 1           | Plate-End, Neutral    |             |                    |             |                             |



## Traction Pedal Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 117-3070-01 | 1    | Pedal                 |
| 2    | 125-4402    | 1    | Pivot-Pedal, Isolated |
| 3    | 323-6       | 6    | Screw-HH              |
| 4    | 104-8301    | 8    | Nut-Flange, NI        |
| 5    | 130-4763-03 | 1    | Traction Rod ASM      |
| 6    | 3253-21     | 1    | Washer-Lock           |
| 7    | 2411-36     | 1    | Bearing-End, Rod      |
| 8    | 323-29      | 3    | Screw-HH              |
| 9    | 3220-3      | 1    | Nut-HJ                |
| 10   | 130-4760-03 | 1    | Lever-Traction        |
| 11   | 256-236     | 2    | Bearing-Mount, Flange |

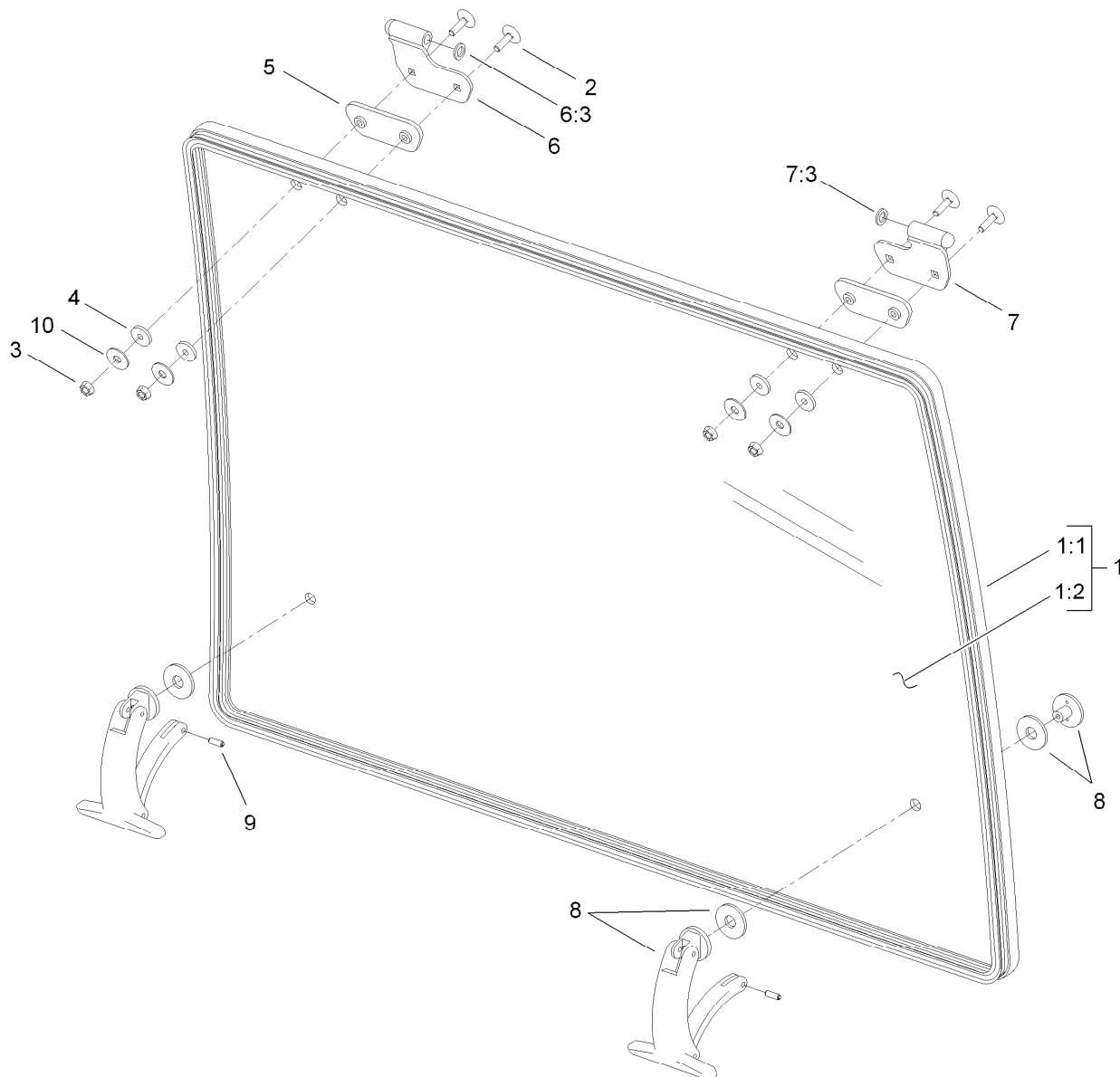
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 12   | 323-11      | 1    | Screw-HH                |
| 13   | 23-2270     | 1    | Bushing-Rubber          |
| 14   | 3296-59     | 2    | Nut-Lock, NI            |
| 15   | 93-8806     | 2    | Washer-Hardened         |
| 16   | 63-9750     | 2    | Mount                   |
| 17   | 125-4401    | 1    | Plate-Linkage, Traction |
| 18   | 94-3307     | 1    | Pad-Pedal, Traction     |
| 19   | 94-3308     | 1    | Pad-Pedal, Traction     |
| 20   | 3256-26     | 1    | Washer-Flat             |
| 21   | 3272-10     | 1    | Pin-Cotter              |



## Cab Windshield Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 120-0300    | 1    | Windshield Glass Kit |
| 1:1  | 120-0306    | 1    | Bulb-Seal, Double    |
| 1:2  |             | 1    | Glass-Windshield ●   |
| 2    | 115-5572    | 4    | Nut-Flange           |
| 3    | 115-5574    | 4    | Bushing-Thick        |
| 4    | 115-5570    | 4    | Bushing-Thin         |
| 5    | 115-5571    | 4    | Bolt-Step            |

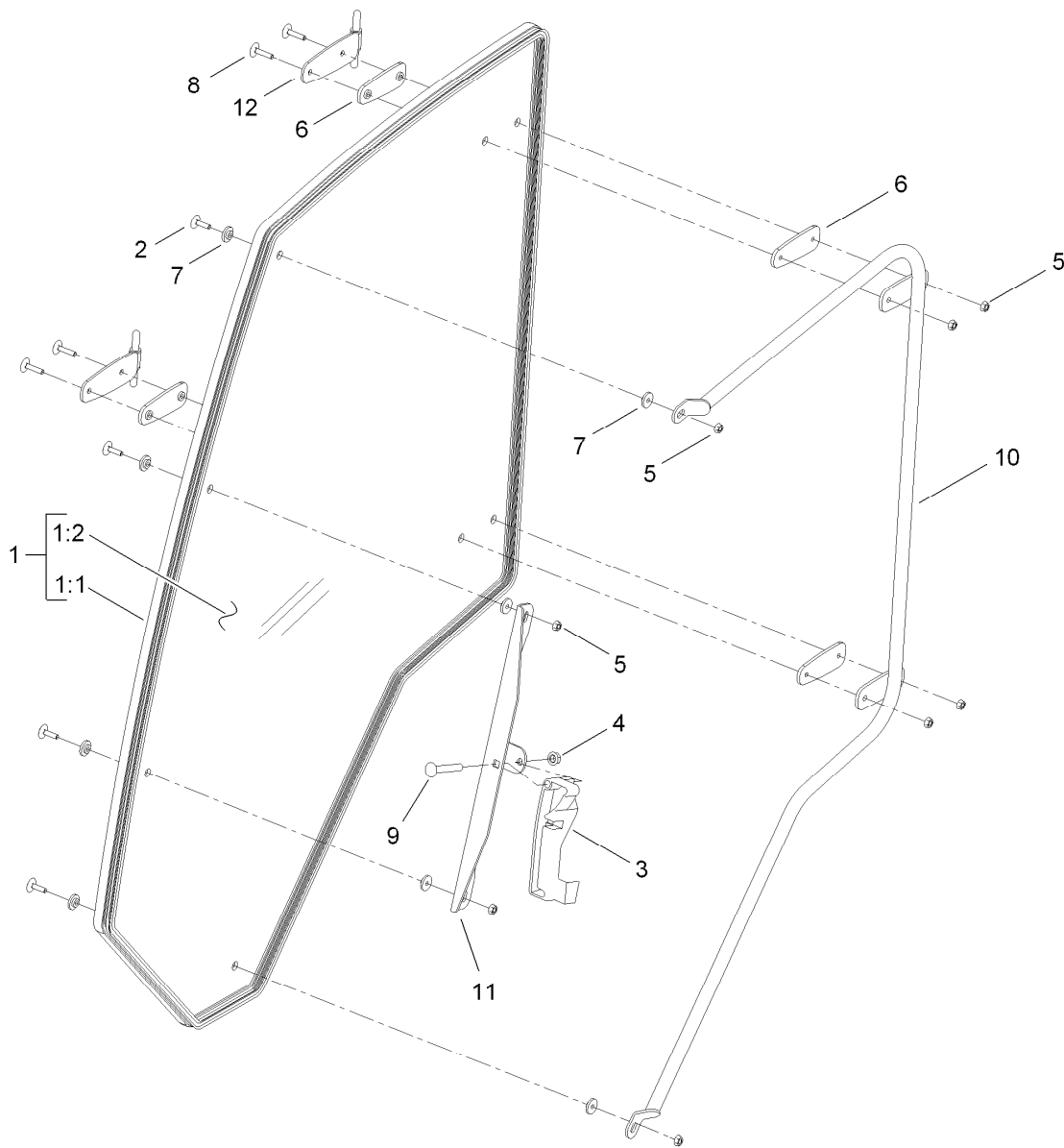
● Not serviced separately



## Cab Rear Window Assembly

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    | 120-0301    | 1    | Rear Window Glass Kit        |
| 1:1  | 120-0307    | 1    | Bulb-Seal, Double            |
| 1:2  |             | 1    | Glass-Window, Rear ●         |
| 2    | 115-7685    | 4    | Bolt-Step                    |
| 3    | 115-5572    | 4    | Nut-Flange                   |
| 4    | 115-5570    | 4    | Bushing-Thin                 |
| 5    | 115-7687    | 2    | Mount-Glass, Bushing (Hinge) |
| 6    | 115-7688    | 1    | LH Hinge ASM                 |
| 6:3  | 115-7696    | 1    | Washer-Hinge, Brass          |
| 7    | 115-7689    | 1    | RH Hinge ASM                 |
| 7:3  | 115-7696    | 1    | Washer-Hinge, Brass          |
| 8    | 115-5597    | 2    | Handle-Latch                 |
| 9    | 115-5599    | 2    | Pin-Split                    |
| 10   | 115-5581    | 4    | Washer-Flat                  |

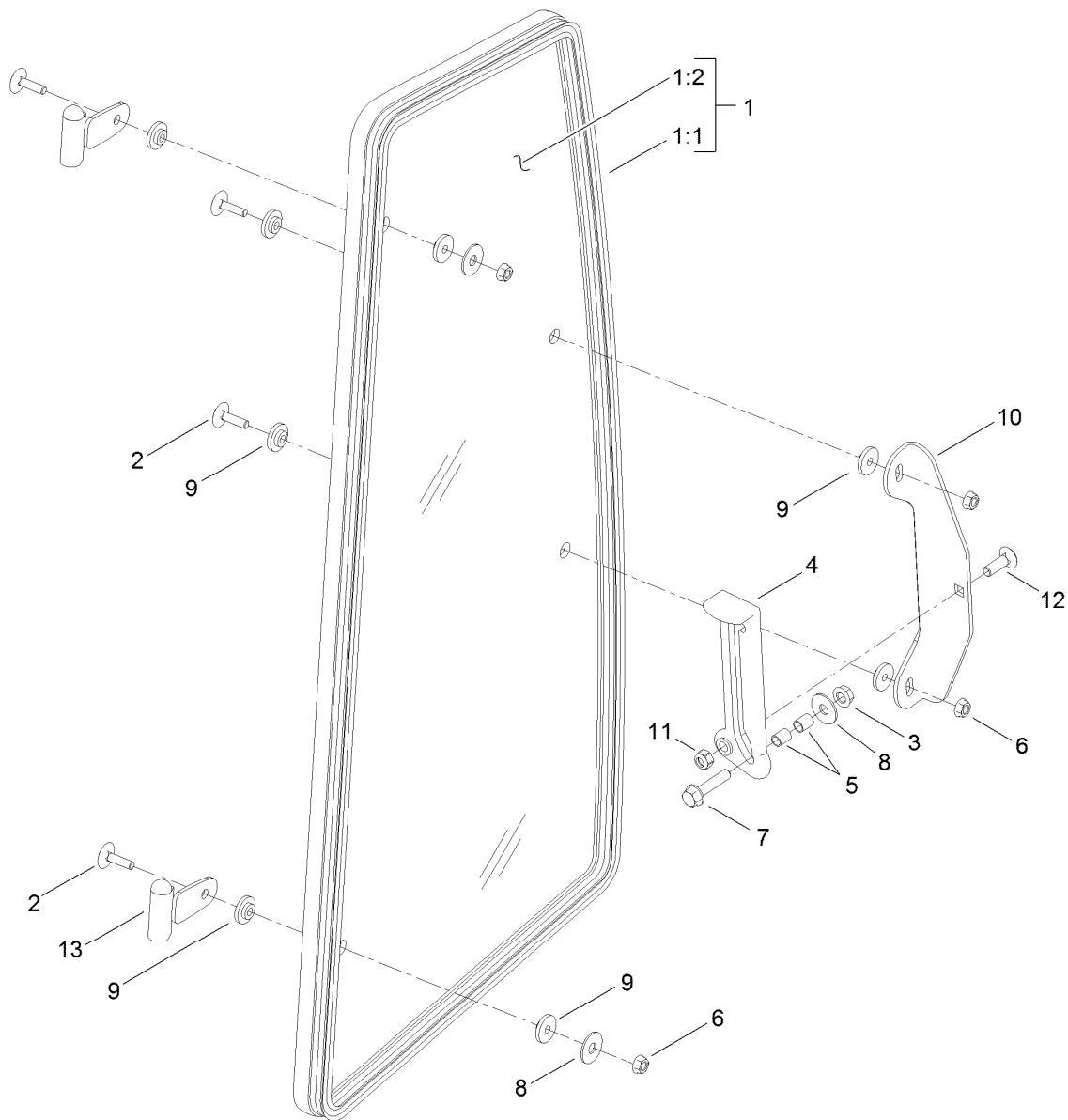
● Not serviced separately



## Cab Right Door Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 120-0303    | 1    | RH Door Glass Kit         |
| 1:1  | 120-0309    | 1    | Seal-Bulb, Double         |
| 1:2  |             | 1    | Glass-Door, RH ●          |
| 2    | 115-7685    | 4    | Bolt-Step                 |
| 3    | 120-0366    | 1    | Latch-Escape Window, RH   |
| 4    | 104-8301    | 1    | Nut-Flange, NI            |
| 5    | 115-5572    | 8    | Nut-Flange                |
| 6    | 115-7950    | 4    | Bushing-Boxer, Door Hinge |
| 7    | 115-5570    | 8    | Bushing-Thin              |
| 8    | 115-5571    | 4    | Bolt-Step                 |
| 9    | 3231-31     | 1    | Screw-CARR                |
| 10   | 120-0368    | 1    | Support-Door, RH          |
| 11   | 120-0369    | 1    | Mount-Latch, Escape       |
| 12   | 120-0370    | 2    | Hinge-Door                |

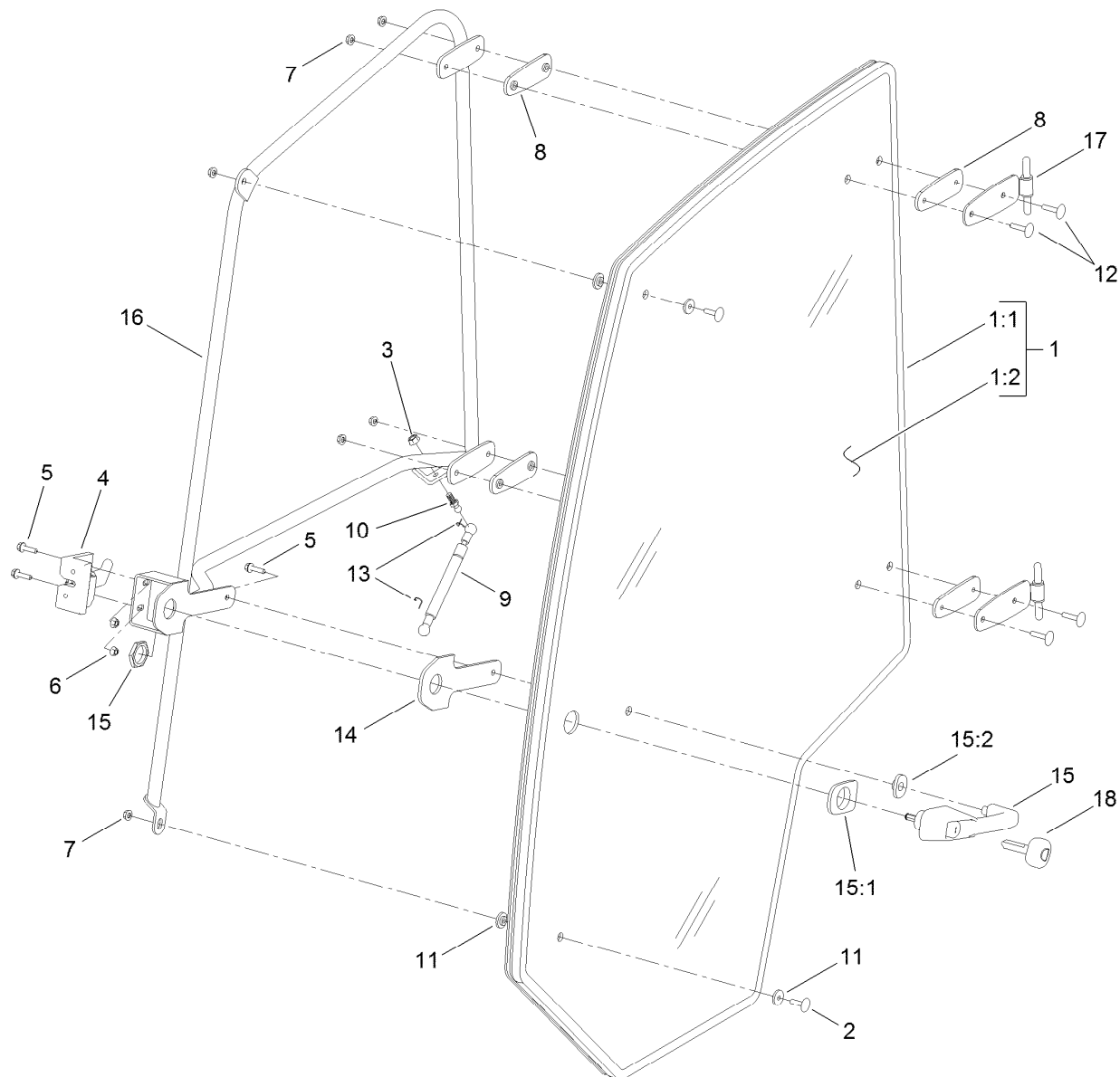
● Not serviced separately



## Cab Right Window Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 120-0305    | 1    | RH Window Glass Kit  |
| 1:1  | 120-0311    | 1    | Seal-Bulb, Double    |
| 1:2  |             | 1    | Glass-Window, RH ●   |
| 2    | 115-7685    | 4    | Bolt-Step            |
| 3    | 32128-26    | 1    | Nut-Flange           |
| 4    | 115-7694    | 1    | Slider-Window, LH    |
| 5    | 115-7693    | 2    | Sleeve-Slide, Window |
| 6    | 115-5572    | 4    | Nut-Flange           |
| 7    | 115-1794    | 1    | Screw-HHF            |
| 8    | 115-5581    | 3    | Washer-Flat          |
| 9    | 115-5570    | 8    | Bushing-Thin         |
| 10   | 119-8384    | 1    | Mount-Latch, Side    |
| 11   | 3296-29     | 1    | Nut-Lock, NI         |
| 12   | 3230-2      | 1    | Bolt-CARR            |
| 13   | 119-8385    | 2    | Top Hinge ASM        |

● Not serviced separately

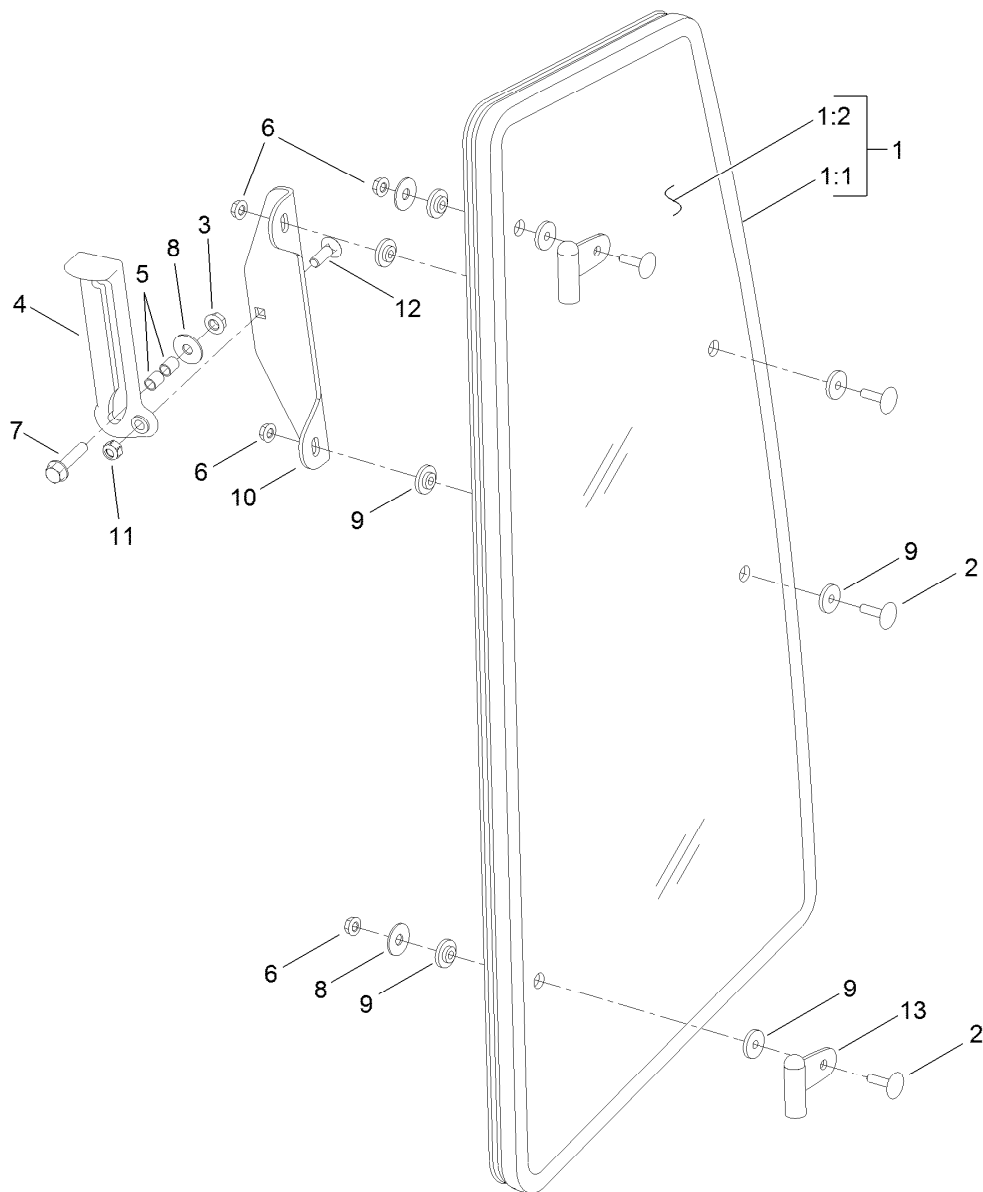


## Cab Left Door Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 120-0302    | 1    | LH Door Glass Kit         |
| 1:1  | 120-0308    | 1    | Seal-Bulb, Double         |
| 1:2  |             | 1    | Glass-Door, LH ●          |
| 2    | 115-7685    | 2    | Bolt-Step                 |
| 3    | 32128-26    | 1    | Nut-Flange                |
| 4    | 115-5539    | 1    | Latch-Rotary, LH          |
| 5    | 33103-025   | 3    | Screw-HHF                 |
| 6    | 81-0130     | 2    | Nut-Flange, NI            |
| 7    | 115-5572    | 6    | Nut-Flange                |
| 8    | 115-7950    | 4    | Bushing-Boxer, Door Hinge |
| 9    | 115-7997    | 1    | Shock-Door, Gas           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-3104     | 1    | Stud-Ball           |
| 11   | 115-5570    | 4    | Bushing-Thin        |
| 12   | 115-5571    | 4    | Bolt-Step           |
| 13   | 120-0374    | 2    | Clip-Gas Shock      |
| 14   | 115-5546    | 1    | Gasket-Handle       |
| 15   | 115-5544    | 1    | Handle-Button, Push |
| 15:1 | 119-4514    | 1    | Gasket-Large        |
| 15:2 | 119-4515    | 1    | Gasket-Small        |
| 16   | 120-0367    | 1    | Support-Door, LH    |
| 17   | 120-0370    | 2    | Hinge-Door          |
| 18   | 115-5545    | 1    | Key-Cab             |

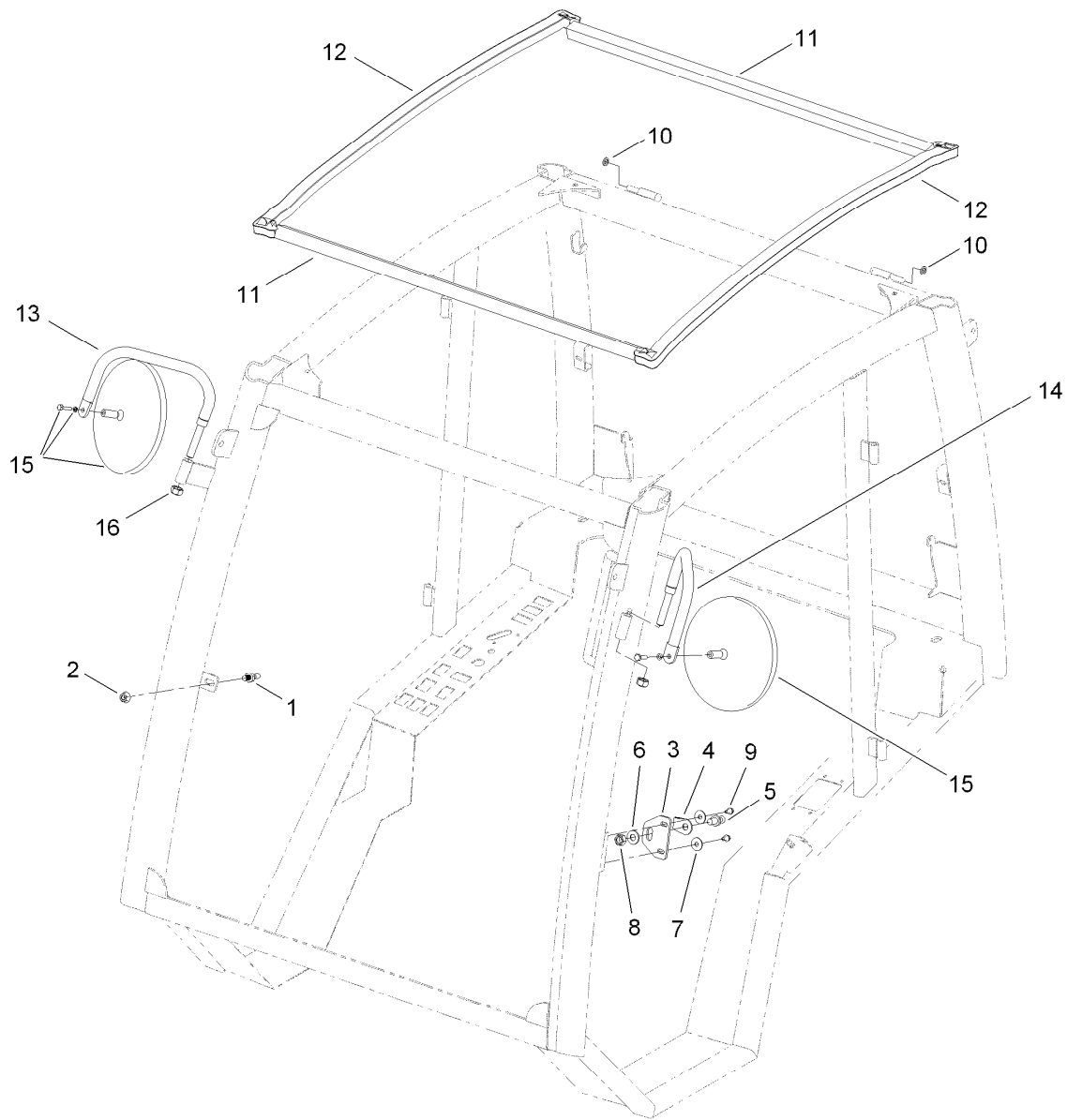
● Not serviced separately



## Cab Left Window Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 120-0304    | 1    | LH Window Glass Kit  |
| 1:1  | 120-0310    | 1    | Seal-Bulb, Double    |
| 1:2  |             | 1    | Glass-Window, LH ●   |
| 2    | 115-7685    | 4    | Bolt-Step            |
| 3    | 32128-26    | 1    | Nut-Flange           |
| 4    | 115-7695    | 1    | Slider-Window, RH    |
| 5    | 115-7693    | 2    | Sleeve-Slide, Window |
| 6    | 115-5572    | 4    | Nut-Flange           |
| 7    | 115-1794    | 1    | Screw-HHF            |
| 8    | 115-5581    | 3    | Washer-Flat          |
| 9    | 115-5570    | 8    | Bushing-Thin         |
| 10   | 119-8384    | 1    | Mount-Latch, Side    |
| 11   | 3296-29     | 1    | Nut-Lock, NI         |
| 12   | 3230-2      | 1    | Bolt-CARR            |
| 13   | 120-0373    | 2    | Hinge-Top            |

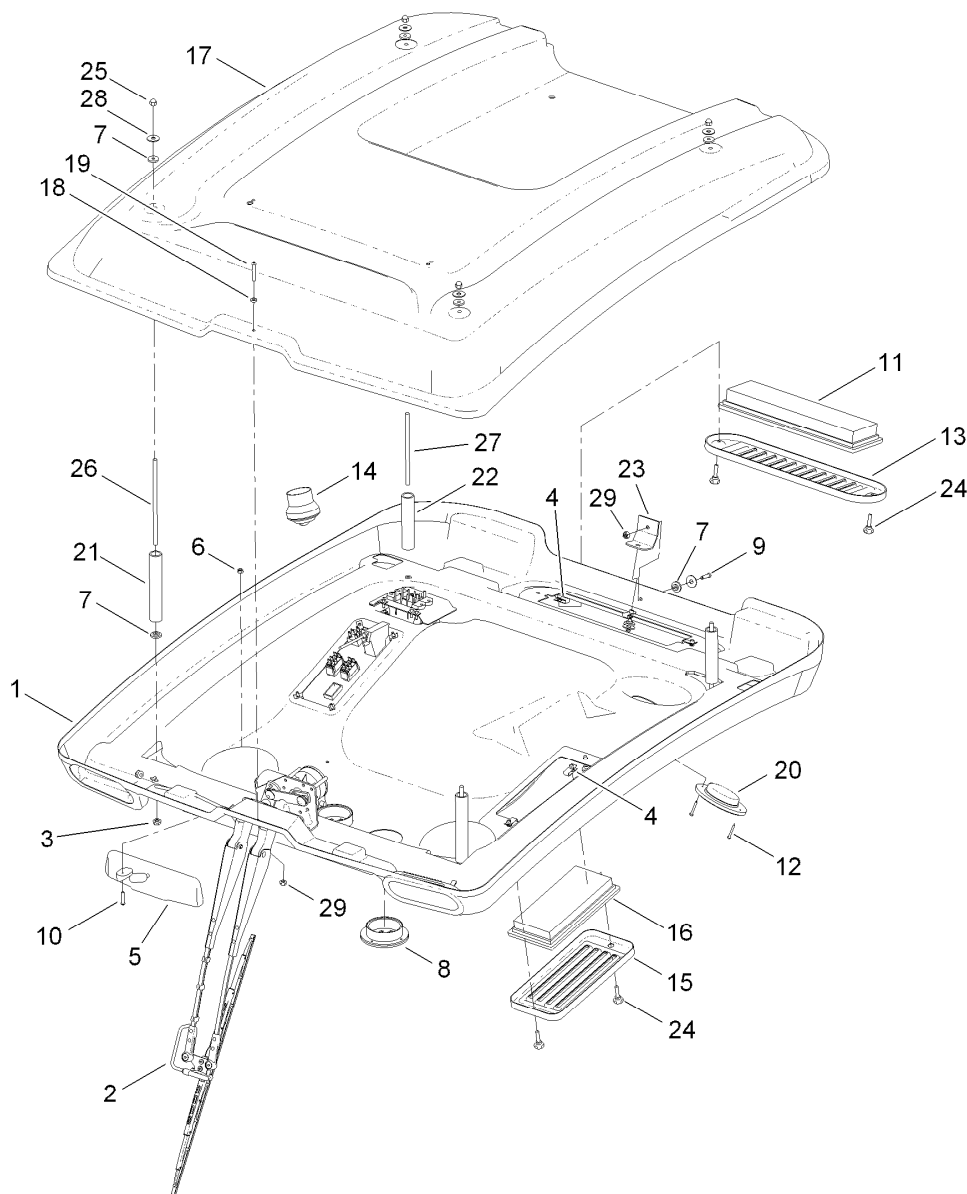
● Not serviced separately



## Cab Frame Assembly

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 1    | 119-8363    | 1    | Pin-Latch     |
| 2    | 33025-00    | 1    | Nut-Lock, NI  |
| 3    | 117-2777    | 1    | Plate-Striker |
| 4    | 115-5577    | 1    | Guard-Striker |
| 5    | 115-5576    | 1    | Striker       |
| 6    | 3256-26     | 1    | Washer-Flat   |
| 7    | 115-5581    | 2    | Washer-Flat   |
| 8    | 115-5579    | 1    | Nut-HH        |

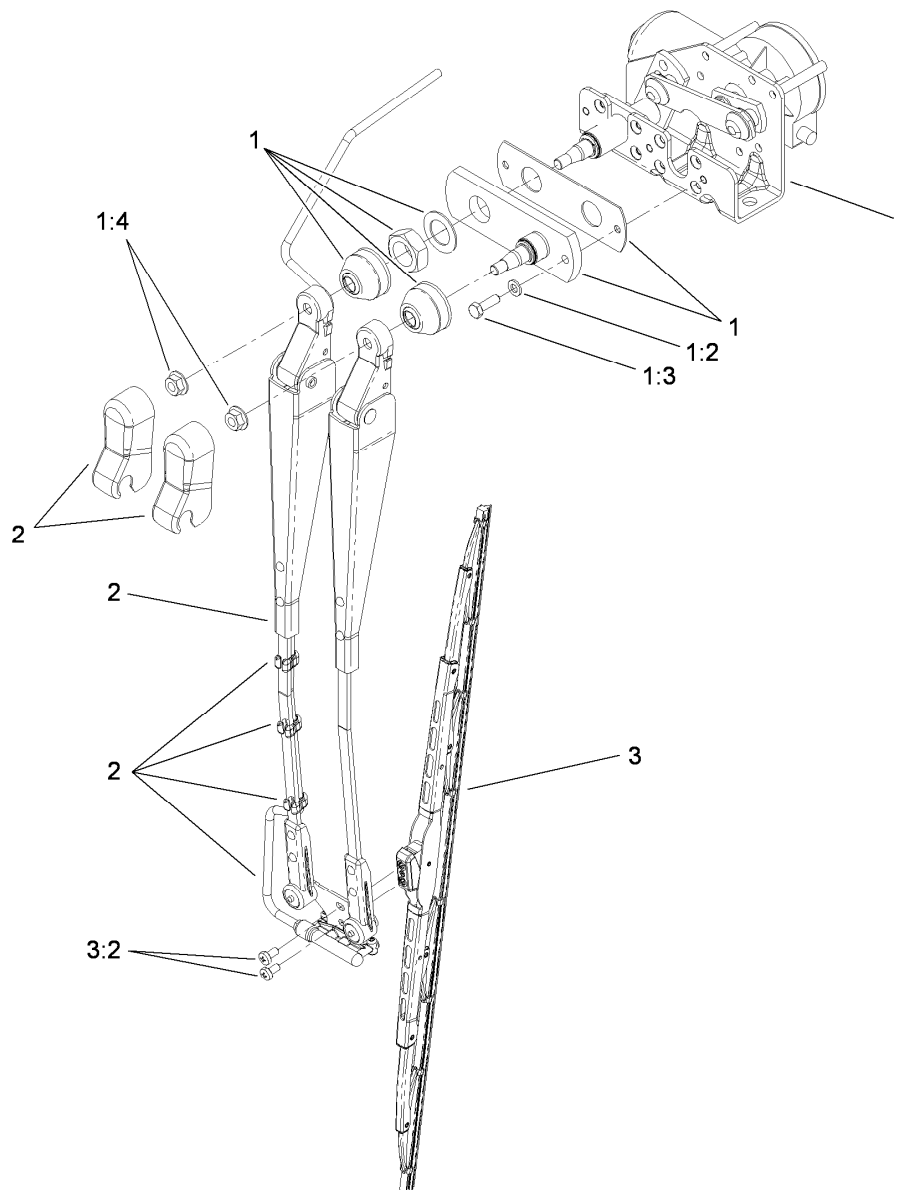
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 9    | 3234-13     | 2    | Screw-HHF              |
| 10   | 115-7696    | 2    | Washer-Hinge, Brass    |
| 11   | 119-5282    | 2    | Seal                   |
| 12   | 119-5283    | 2    | Seal                   |
| 13   | 115-5583    | 1    | Arm-Mount, Mirror (RH) |
| 14   | 115-5584    | 1    | Arm-Mount, Mirror (LH) |
| 15   | 115-5585    | 2    | Mirror-Convex          |
| 16   | 115-5582    | 2    | Nut-Flange, Crimplock  |



## Cab Headliner Assembly

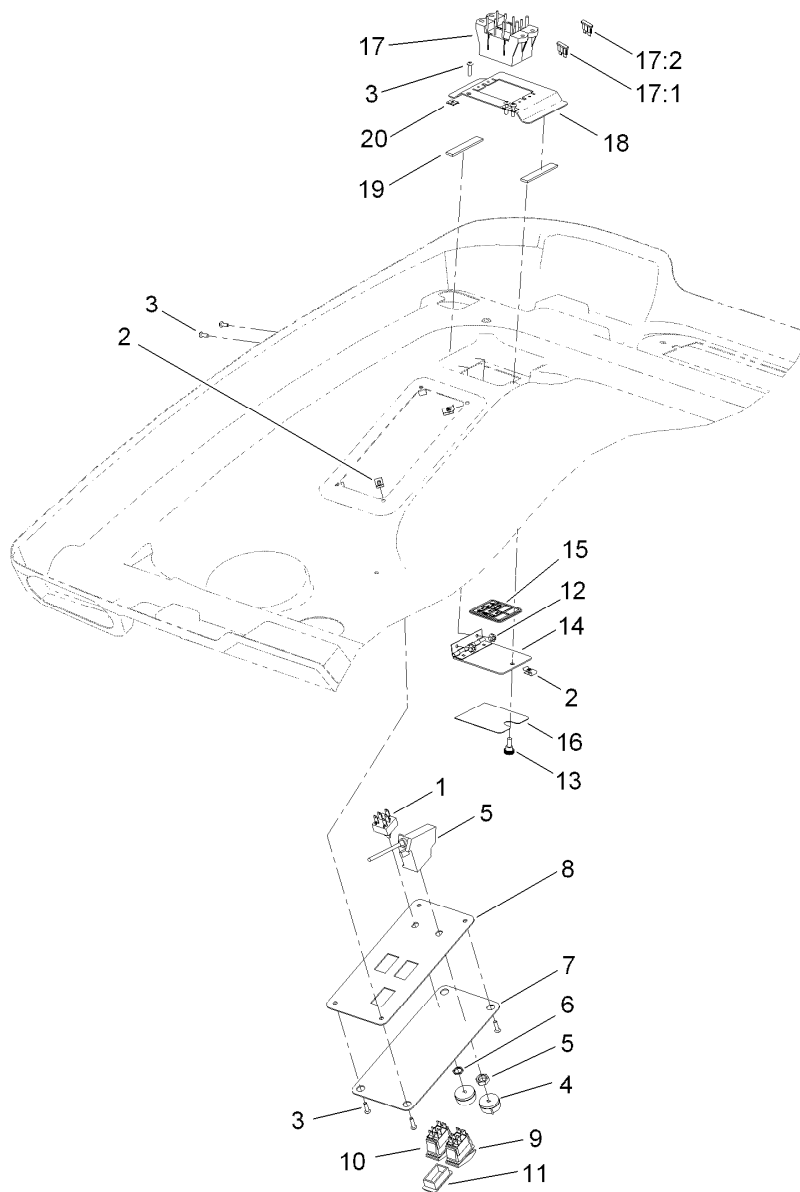
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 119-5287    | 1    | Headliner                |
| 2    | 119-8350    | 1    | Wiper ASM                |
| 3    | 32128-26    | 4    | Nut-Flange               |
| 4    | 115-5586    | 5    | Nut-Panel, Deep          |
| 5    | 115-5524    | 1    | Mirror-Rear View         |
| 6    | 32128-17    | 1    | Nut-Lock, Flange         |
| 7    | 115-5570    | 10   | Bushing-Thin             |
| 8    | 115-5558    | 3    | Louver                   |
| 9    | 3274-65     | 2    | Screw-HSBH               |
| 10   | 117-5022    | 1    | Screw-Pan                |
| 11   | 121-3892    | 1    | Filter-Air, Cab Exterior |
| 12   | 115-5594    | 2    | Screw-HSBH               |
| 13   | 115-5554    | 1    | Cover-Filter, Rear       |
| 14   | 115-5559    | 1    | Louver-Ball              |
| 15   | 115-5557    | 1    | Cover-Filter, Front      |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 16   | 121-3891    | 1    | Filter-Air, Cab Interior   |
| 17   | 119-5288    | 1    | Roof                       |
| 18   | 115-5598    | 1    | Washer-Rubber              |
| 19   | 117-5011    | 1    | Screw                      |
| 20   | 115-5515    | 1    | Light-Dome, Led            |
| 21   | 115-5513    | 2    | Spacer-Roof, Front         |
| 22   | 115-5514    | 2    | Spacer-Roof, Rear          |
| 23   | 115-5526    | 1    | Mount-Roof                 |
| 24   | 115-5555    | 4    | Screw-Thumb                |
| 25   | 73-5380     | 4    | Nut-Hex                    |
| 26   | 117-2764    | 2    | Fastener-Mount, Front Roof |
| 27   | 117-2763    | 2    | Fastener-Mount, Rear Roof  |
| 28   | 115-5581    | 6    | Washer-Flat                |
| 29   | 115-5572    | 2    | Nut-Flange                 |



## Wiper Assembly No. 119-8350

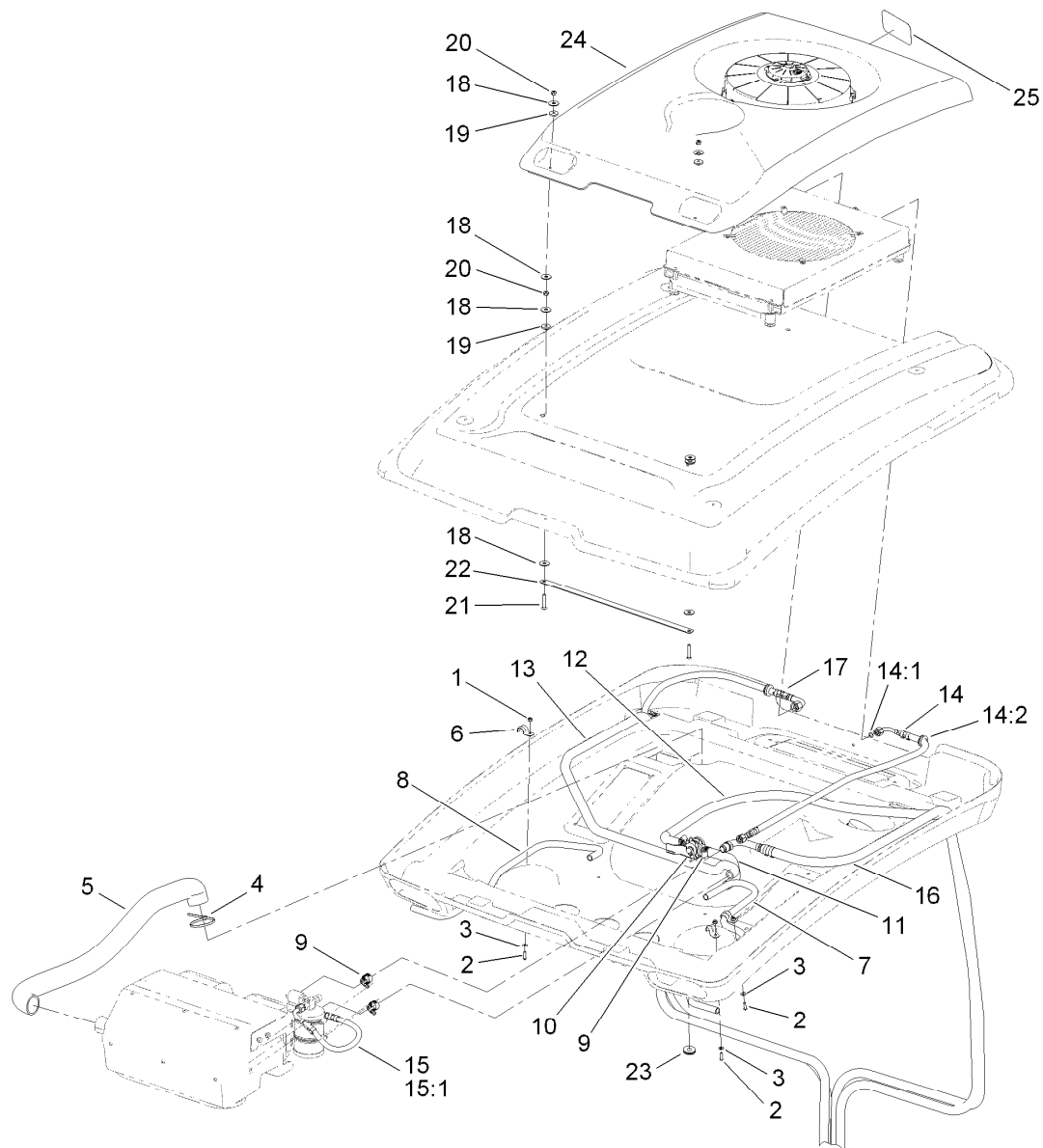
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 119-8351    | 1    | Wiper Motor ASM      |
| 1:2  | 3253-3      | 1    | Washer-Lock          |
| 1:3  | 33113-025   | 1    | Screw-HH             |
| 1:4  | 112-2844    | 2    | Nut-HF               |
| 2    | 119-8352    | 1    | Arm-Wiper, 20 Inch   |
| 3    | 119-8353    | 1    | Blade-Wiper, 22 Inch |
| 3:2  | 47-2830     | 2    | Screw                |



## Cab Switchplate and Fuse Block Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 115-5502    | 1    | Switch-Fan, 3-Speed  |
| 2    | 107-1013    | 5    | Nut-Speed, U-Type    |
| 3    | 104-2408    | 9    | Screw-HSBH           |
| 4    | 115-5504    | 2    | Knob-Control         |
| 5    | 115-8820    | 1    | Switch-Control, Heat |
| 6    | 115-5503    | 1    | Nut                  |
| 7    | 115-5501    | 1    | Label-Switch         |
| 8    | 115-5500    | 1    | Plate-Switch         |
| 9    | 119-8355    | 1    | Switch-Rocker        |
| 10   | 95-8999     | 1    | Switch               |
| 11   | 99-7420     | 1    | Plug-Hole            |

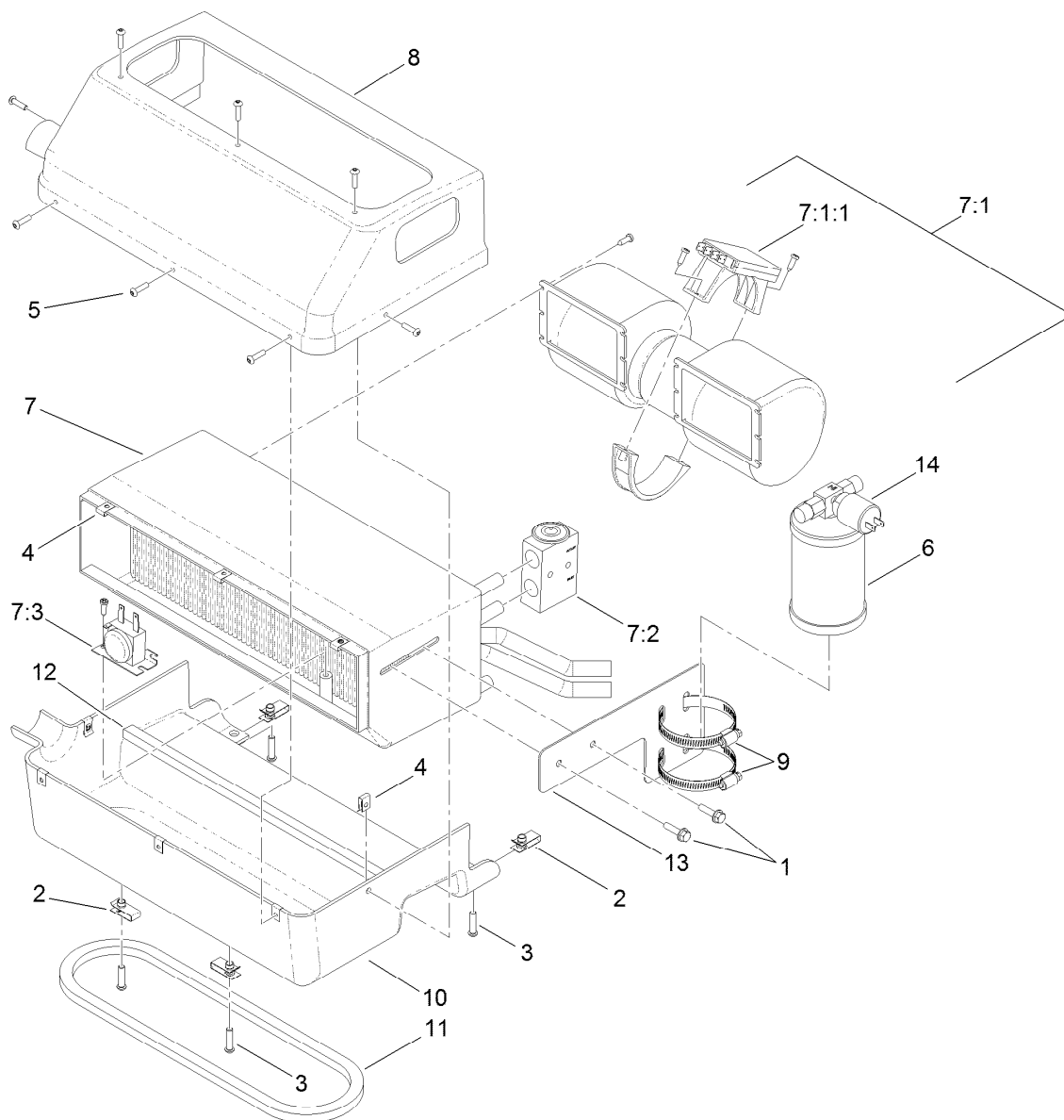
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 12   | 32128-17    | 2    | Nut-Lock, Flange        |
| 13   | 115-5506    | 1    | Knob                    |
| 14   | 115-5510    | 1    | Cover-Access, Fuse      |
| 15   | 117-2787    | 1    | Label-Information, Fuse |
| 16   | 115-5508    | 1    | Label-Block, Fuse       |
| 17   | 119-8356    | 1    | Harness-Wire            |
| 17:1 | 109355      | 3    | Fuse-Blade, 15 Amp      |
| 17:2 | 109103      | 1    | Fuse-Blade, 30 Amp      |
| 18   | 115-5511    | 1    | Mount-Block, Fuse       |
| 19   | 115-5547    | 2    | Pad-Fastener            |
| 20   | 115-5505    | 3    | Nut-Panel, Spring       |



## Cab Roof and Hose Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 32128-17    | 3    | Nut-Lock, Flange           |
| 2    | 104-2408    | 3    | Screw-HSBH                 |
| 3    | 3256-14     | 3    | Washer-Flat                |
| 4    | 3290-379    | 2    | Tie-Cable                  |
| 5    | 115-8835    | 1    | Hose-Air Duct              |
| 6    | 119-4517    | 3    | Clamp-Hose                 |
| 7    | 120-0376    | 1    | Hose-Drain, LH             |
| 8    | 120-0377    | 1    | Hose-Drain, RH             |
| 9    | 2412-141    | 4    | Clamp-Drive, Worm          |
| 10   | 115-8840    | 1    | Valve-Heater               |
| 11   | 115-8844    | 1    | Hose                       |
| 12   | 120-0375    | 1    | Hose (Thermostat To Valve) |
| 13   | 120-0346    | 1    | Hose ASM                   |
| 14   | 115-8837    | 1    | Hose ASM                   |

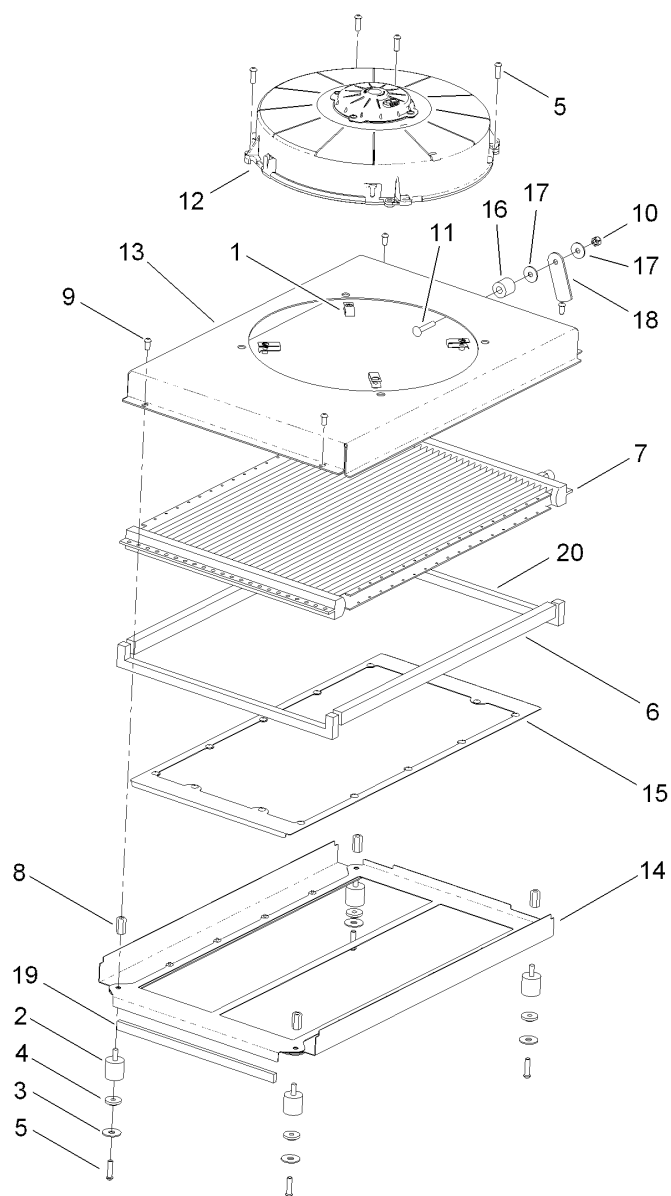
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 14:1 | 117-2778    | 2    | O-Ring          |
| 14:2 | 117-2782    | 1    | Grommet         |
| 15   | 115-8838    | 1    | Hose ASM        |
| 15:1 | 117-2778    | 2    | O-Ring          |
| 16   | 120-0384    | 1    | Hose ASM        |
| 17   | 120-0385    | 1    | Hose ASM        |
| 18   | 115-5581    | 8    | Washer-Flat     |
| 19   | 115-5570    | 4    | Bushing-Thin    |
| 20   | 3296-42     | 4    | Nut-Lock, NI    |
| 21   | 3229-4      | 2    | Screw-CARR      |
| 22   | 119-4505    | 1    | Strap-Mounting  |
| 23   | 117-2782    | 2    | Grommet         |
| 24   | 115-5552    | 1    | Cover-Condenser |
| 25   | 67-1300     | 1    | Decal           |



## Cab A/C Heater and Evaporator Assembly

| Ref.  | Part Number | Qty. | Description     |
|-------|-------------|------|-----------------|
| 1     | 33103-025   | 2    | Screw-HHF       |
| 2     | 115-5586    | 4    | Nut-Panel, Deep |
| 3     | 3274-65     | 4    | Screw-HSBH      |
| 4     | 115-7952    | 8    | Nut-Panel       |
| 5     | 104-2408    | 8    | Screw-HSBH      |
| 6     | 119-4502    | 1    | Drier-Receiver  |
| 7     | 121-3860    | 1    | A/C Heater ASM  |
| 7:1   | 121-3861    | 1    | Fan-Blower      |
| 7:1:1 | 121-3862    | 1    | Resistor-Fan    |

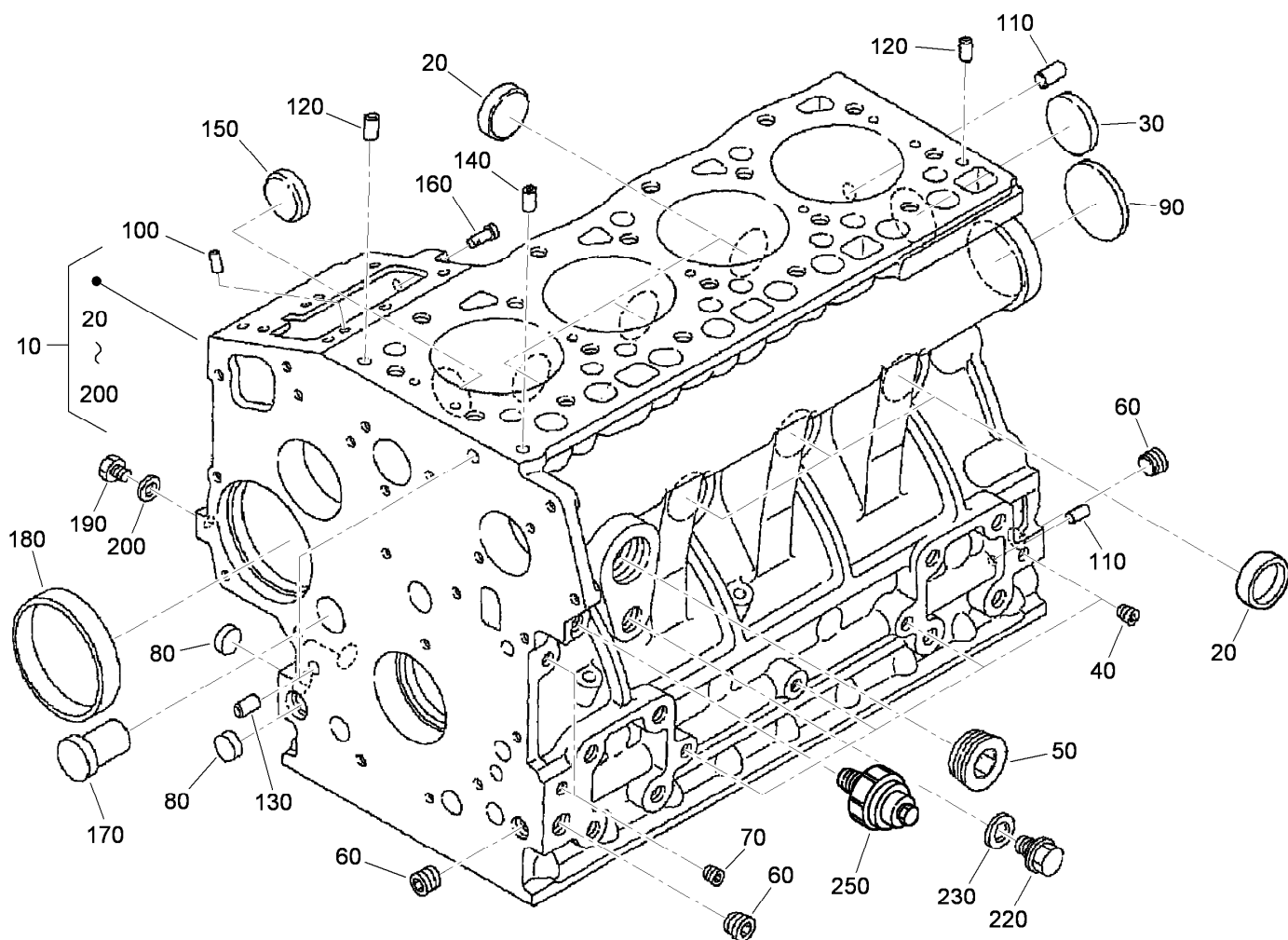
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 7:2  | 115-5587    | 1    | Valve-Expansion           |
| 7:3  | 115-5593    | 1    | Thermostat-Switch, Freeze |
| 8    | 115-8829    | 1    | Cover-Top                 |
| 9    | 2412-125    | 2    | Clamp-Hose                |
| 10   | 115-8828    | 1    | Evaporator-Bottom         |
| 11   | 120-0378    | 1    | Seal-36 Inch              |
| 12   | 120-0379    | 1    | Seal-16 Inch              |
| 13   | 120-0380    | 1    | Mount-Drier               |
| 14   | 119-4501    | 1    | Switch-Dual Function      |



## Cab Condensor Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 107069      | 4    | Clip           |
| 2    | 115-8822    | 4    | Mount-Isolator |
| 3    | 115-5581    | 4    | Washer-Flat    |
| 4    | 115-5570    | 4    | Bushing-Thin   |
| 5    | 3274-65     | 8    | Screw-HSBH     |
| 6    | 119-4516    | 2    | Foam-Side      |
| 7    | 115-8816    | 1    | Coil-Condenser |
| 8    | 115-8823    | 4    | Coupler-Nut    |
| 9    | 115-8819    | 4    | Screw-HSBH     |
| 10   | 3296-42     | 1    | Nut-Lock, NI   |

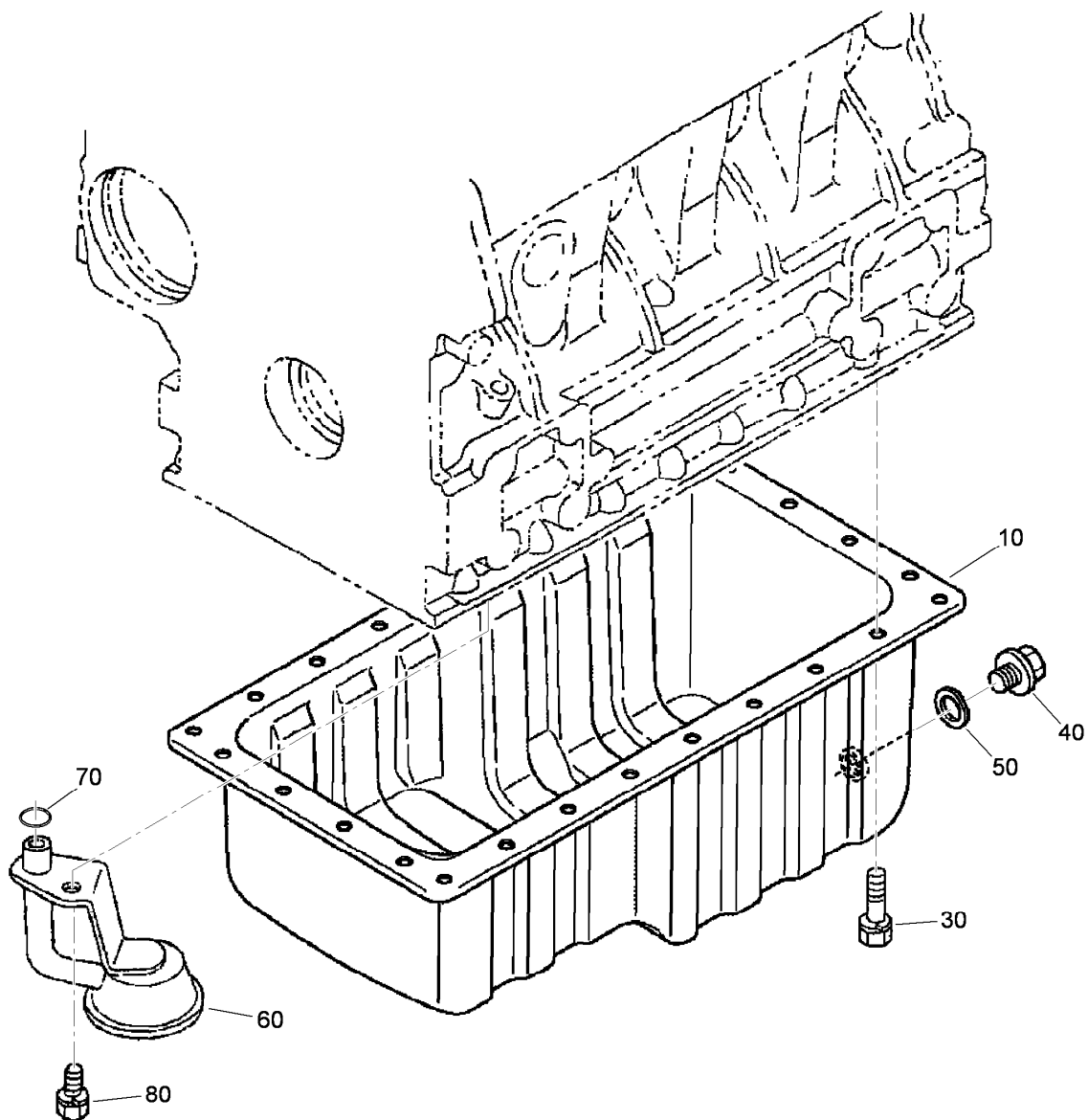
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 11   | 3229-4      | 1    | Screw-CARR      |
| 12   | 119-4500    | 1    | Fan-12 Inch     |
| 13   | 119-4511    | 1    | Shroud-Fan      |
| 14   | 119-4513    | 1    | Frame-Screen    |
| 15   | 119-4512    | 1    | Tray-Screen     |
| 16   | 119-4506    | 1    | Spacer-Latch    |
| 17   | 66-2921     | 2    | Washer-Friction |
| 18   | 119-4507    | 1    | Plate-Latch     |
| 19   | 119-4527    | 1    | Foam-Tray       |
| 20   | 119-4544    | 2    | Foam-End        |



## Crankcase Assembly

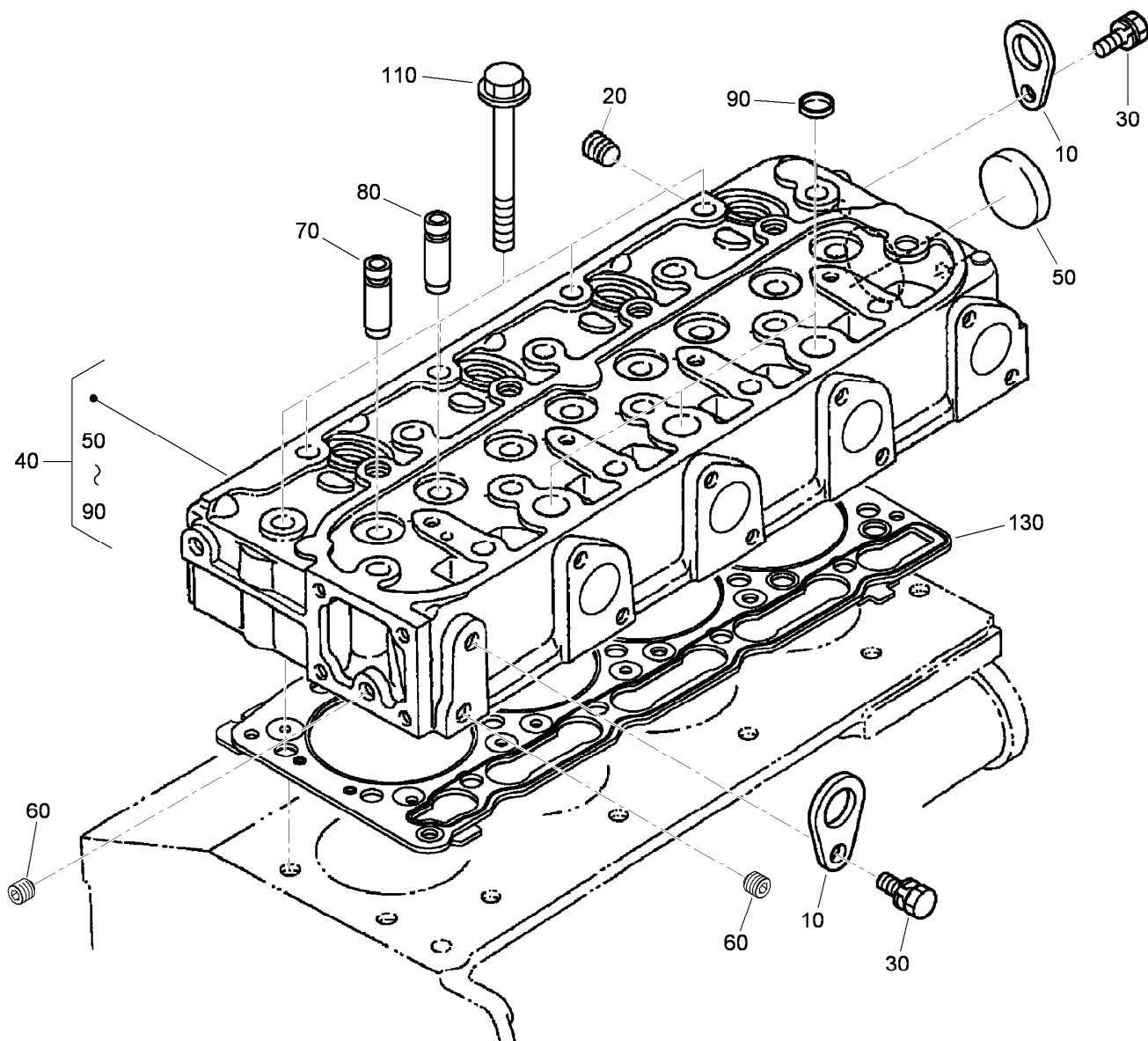
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 10   | 120-2558    | 1    | Crankcase ASM  |
| 20   | 98-9398     | 6    | Cap-Sealing    |
| 30   | 98-7539     | 1    | Cap-Sealing    |
| 40   | 98-7540     | 4    | Plug           |
| 50   | 105-3779    | 1    | Plug           |
| 60   | 98-9597     | 3    | Plug           |
| 70   | 98-7487     | 2    | Plug           |
| 80   | 98-9379     | 3    | Plug-Expansion |
| 90   | 98-9668     | 1    | Plug-Expansion |
| 100  | 98-9375     | 2    | Pin-Straight   |
| 110  | 98-9377     | 2    | Pin-Straight   |
| 120  | 98-9376     | 2    | Pin-Straight   |

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 130  | 98-9387     | 2    | Pin-Pipe               |
| 140  | 98-9539     | 1    | Pin-Pipe               |
| 150  | 98-9599     | 1    | Plug                   |
| 160  | 105-3796    | 1    | Pin-Spring, Start      |
| 170  | 98-9675     | 1    | Plug                   |
| 180  | 98-9656     | 1    | Bushing-Governor, Gear |
| 190  | 120-2559    | 1    | Plug                   |
| 200  | 98-7428     | 1    | Gasket                 |
| 220  | 99-3447     | 1    | Plug                   |
| 230  | 106-7056    | 1    | Gasket                 |
| 250  | 98-9416     | 1    | Switch-Oil             |



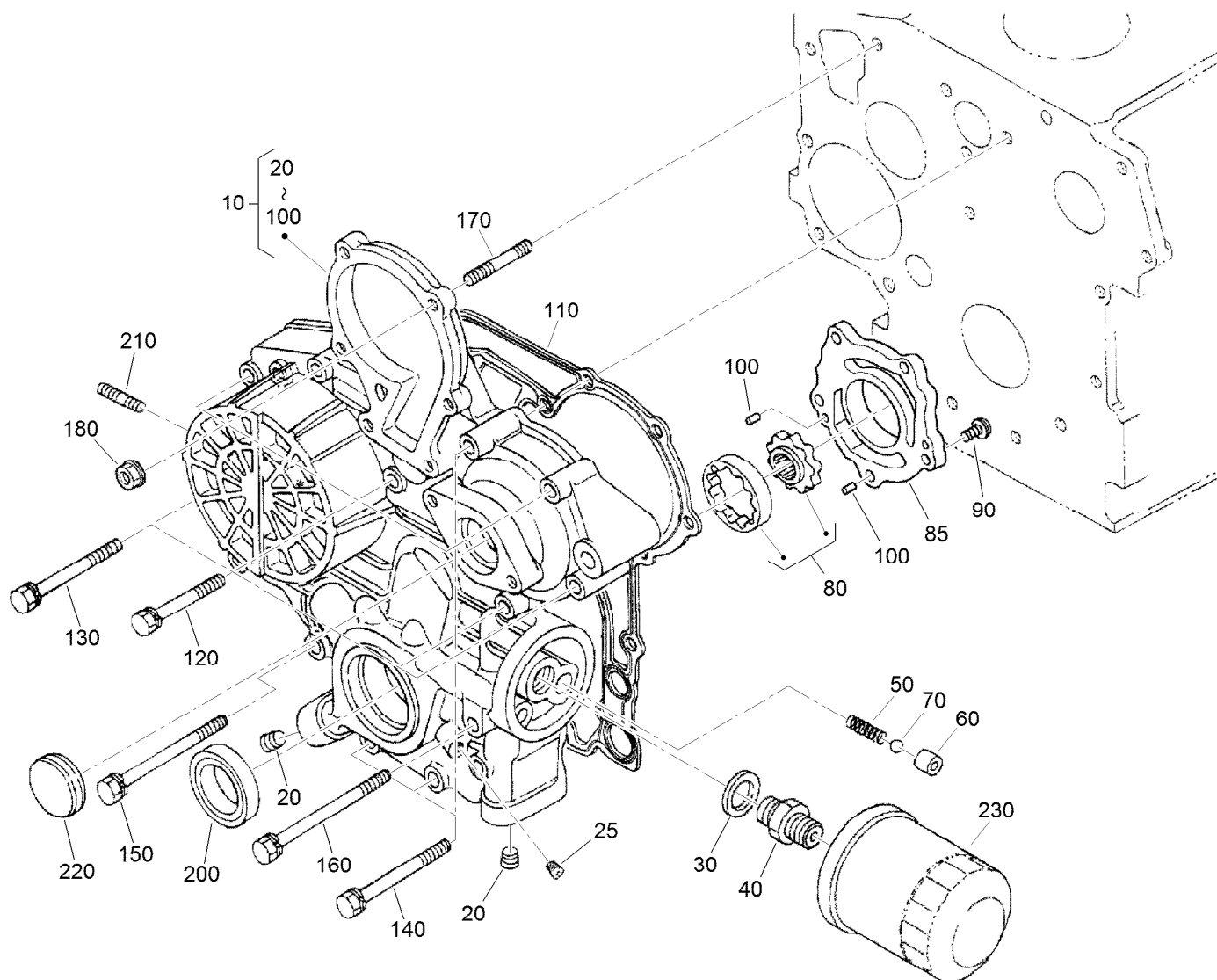
## Oil Pan Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 112-0186    | 1    | Oil Pan ASM      |
| 30   | 98-9351     | 26   | Bolt             |
| 40   | 114-8151    | 1    | Plug-Drain       |
| 50   | 98-7524     | 1    | Gasket           |
| 60   | 112-7003    | 1    | Head-Filter, Oil |
| 70   | 105-3776    | 1    | O-Ring           |
| 80   | 98-7526     | 1    | Bolt             |



## Cylinder Head Assembly

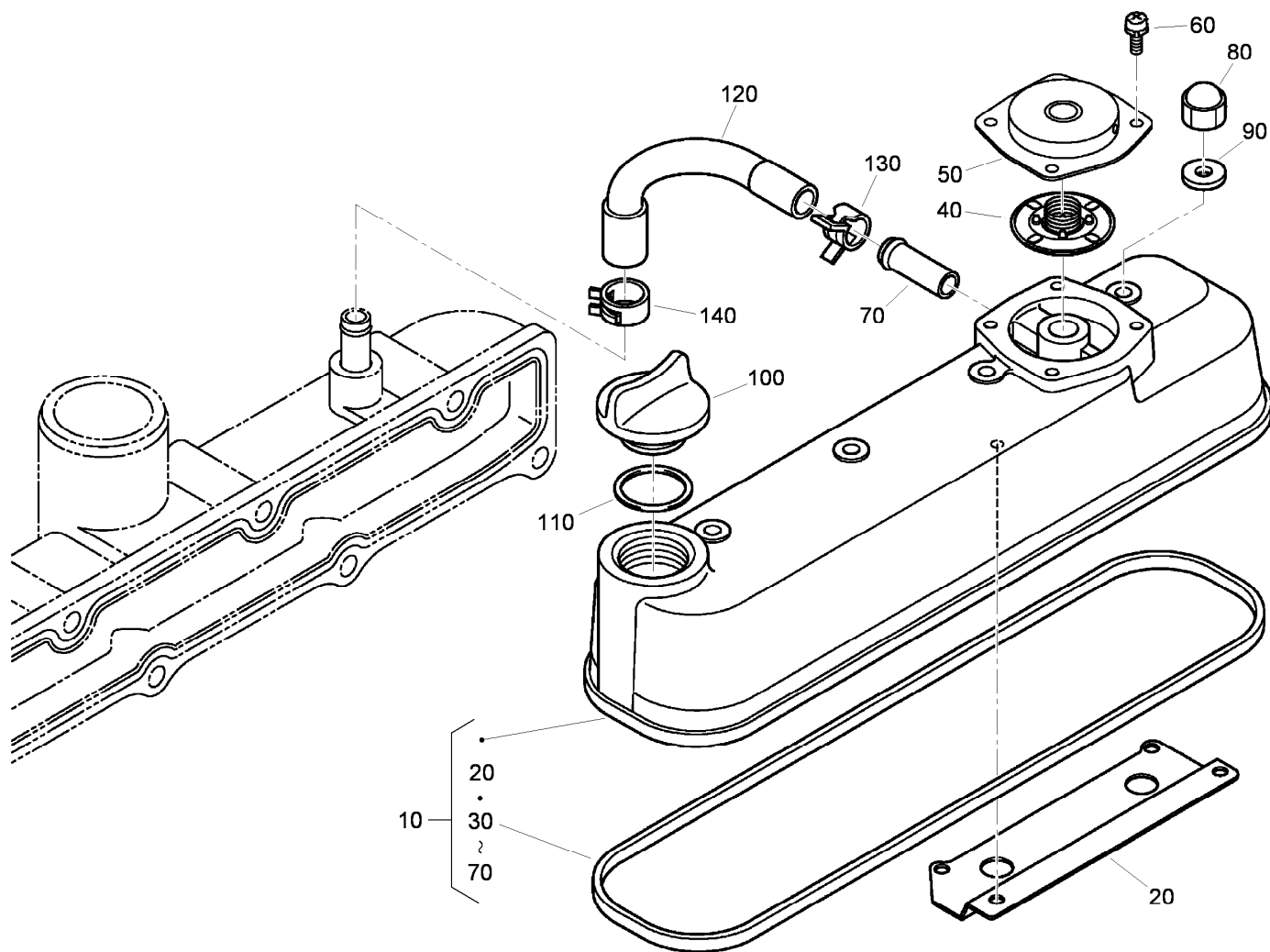
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 98-7531     | 2    | Hook-Engine           |
| 20   | 98-9444     | 1    | Plug                  |
| 30   | 100-9195    | 2    | Bolt                  |
| 40   | 115-3012    | 1    | Cylinder Head ASM     |
| 50   | 105-3705    | 1    | Cap-Sealing           |
| 60   | 98-7540     | 2    | Plug                  |
| 70   | 107-9066    | 4    | Guide-Valve, Inlet    |
| 80   | 107-9067    | 4    | Guide-Valve, Exhaust  |
| 90   | 98-9389     | 3    | Cap-Sealing           |
| 110  | 98-9479     | 18   | Bolt-Head, Cylinder   |
| 130  | 108-2855    | 1    | Gasket-Head, Cylinder |



## Gear Case Assembly

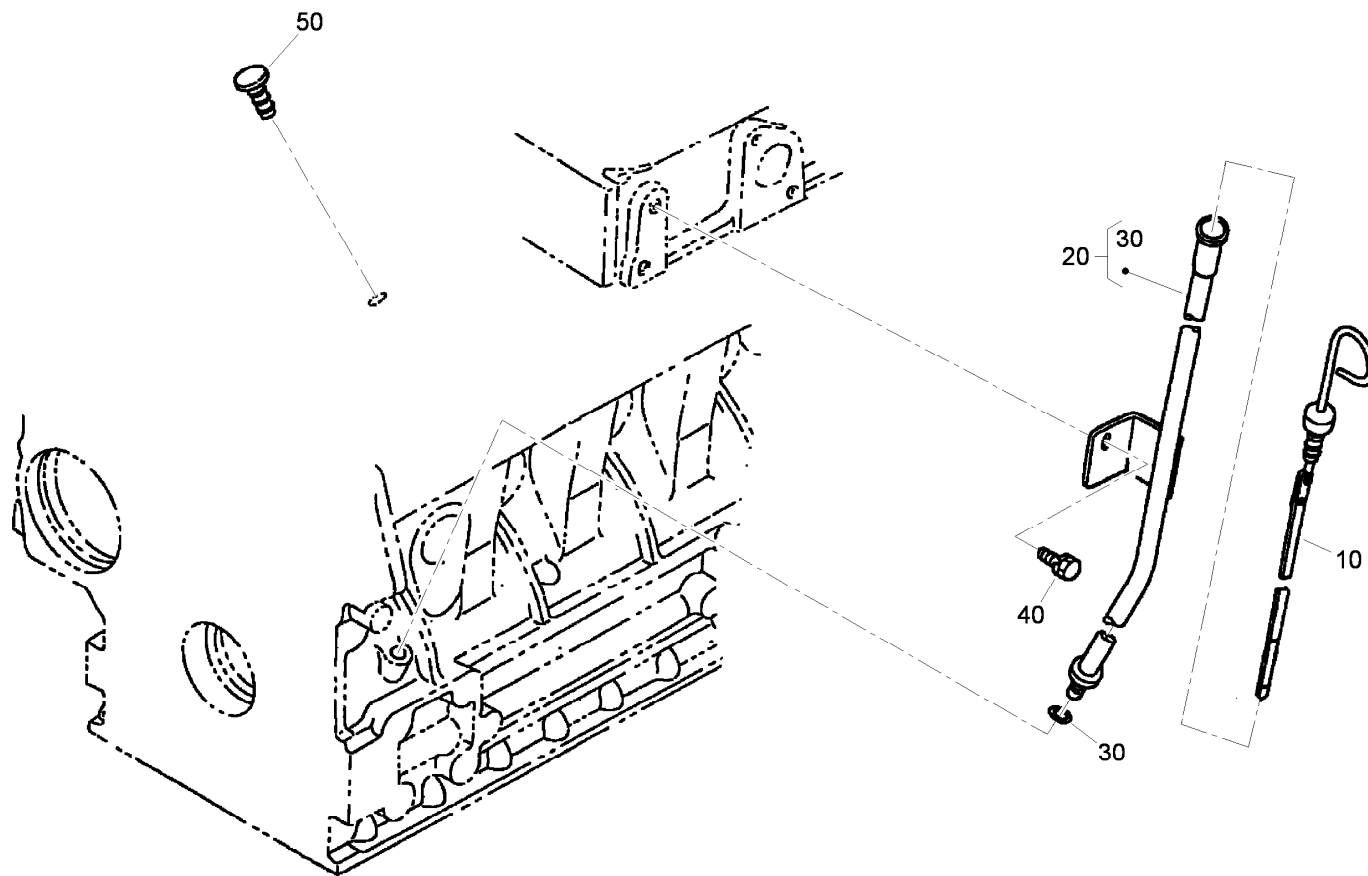
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-4105    | 1    | Gear Case ASM      |
| 20   | 98-9598     | 2    | Plug               |
| 25   | 98-7487     | 1    | Plug               |
| 30   | 98-7562     | 1    | Washer-Plain   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

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 110  | 98-9633     | 1    | Gasket-Case, Gear |
| 120  | 107-9073    | 3    | Bolt              |
| 130  | 105-3797    | 4    | Bolt              |
| 140  | 98-9356     | 4    | Bolt              |
| 150  | 107-9074    | 1    | Bolt              |
| 160  | 98-9586     | 1    | Bolt              |
| 170  | 105-3709    | 1    | Stud              |
| 180  | 100-2203    | 1    | Nut-Flange        |
| 200  | 119-8038    | 1    | Seal-Oil          |
| 210  | 105-3710    | 2    | Stud              |
| 220  | 98-9641     | 1    | Cover-Case, Gear  |
| 230  | 108-3841    | 1    | Filter-Oil        |



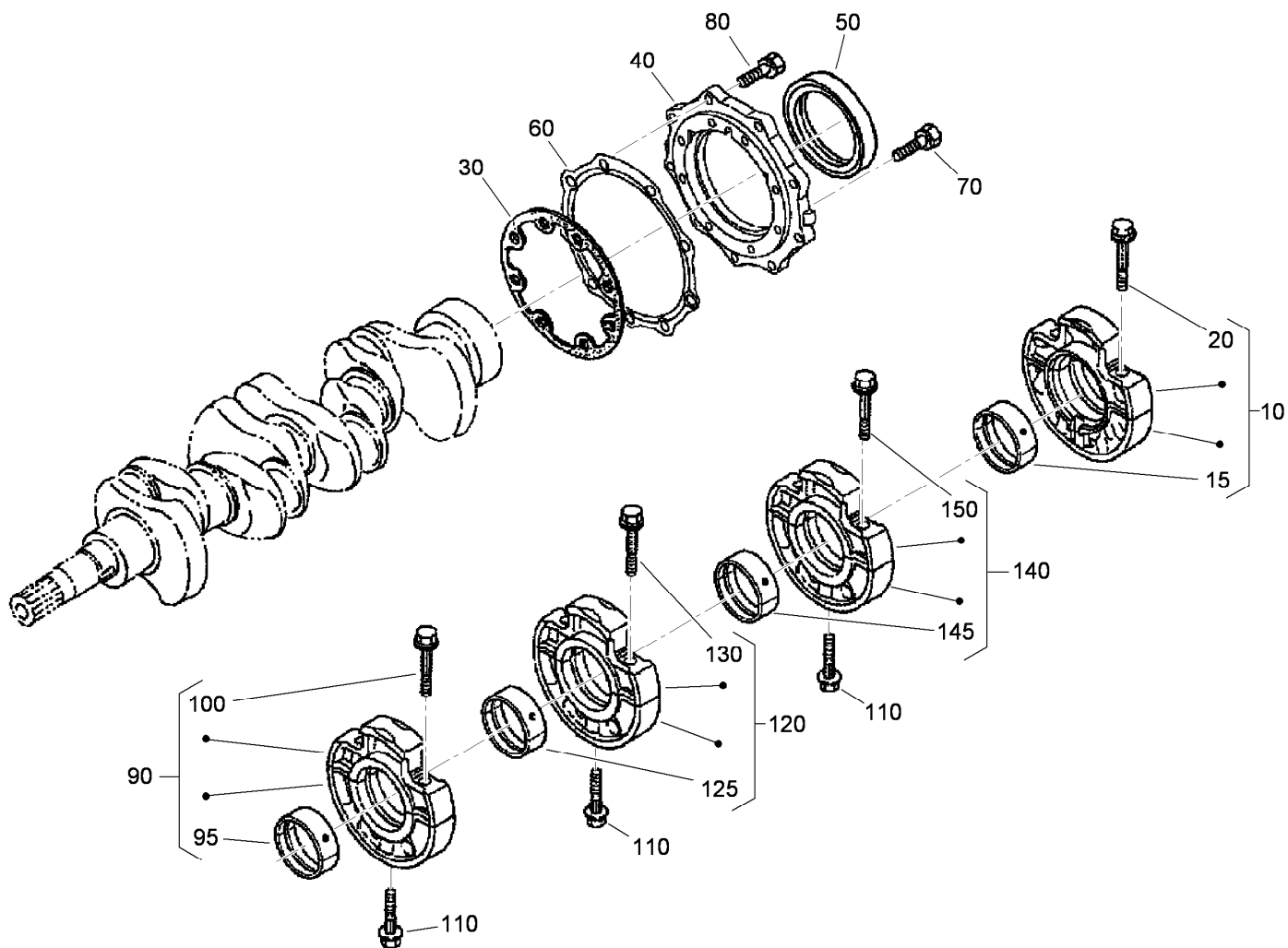
## Cylinder Head Cover Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 115-4130    | 1    | Cylinder Head Cover ASM |
| 20   | 108-2857    | 1    | Shield-Breather         |
| 30   | 105-3712    | 1    | Gasket-Cover, Head      |
| 40   | 110-3715    | 1    | Valve-Breather          |
| 50   | 110-3714    | 1    | Cover-Breather          |
| 60   | 98-9364     | 4    | Screw (With Washer)     |
| 70   | 98-7766     | 1    | Pipe-Return, Water      |
| 80   | 98-9455     | 4    | Nut-Cap                 |
| 90   | 98-9454     | 4    | Gasket                  |
| 100  | 107-9075    | 1    | Plug-Filler, Oil        |
| 110  | 120-2560    | 1    | O-Ring                  |
| 120  | 108-2858    | 1    | Tube-Breather           |
| 130  | 108-2859    | 1    | Clamp-Hose              |
| 140  | 108-2860    | 1    | Clamp-Hose              |



## Dipstick and Guide Assembly

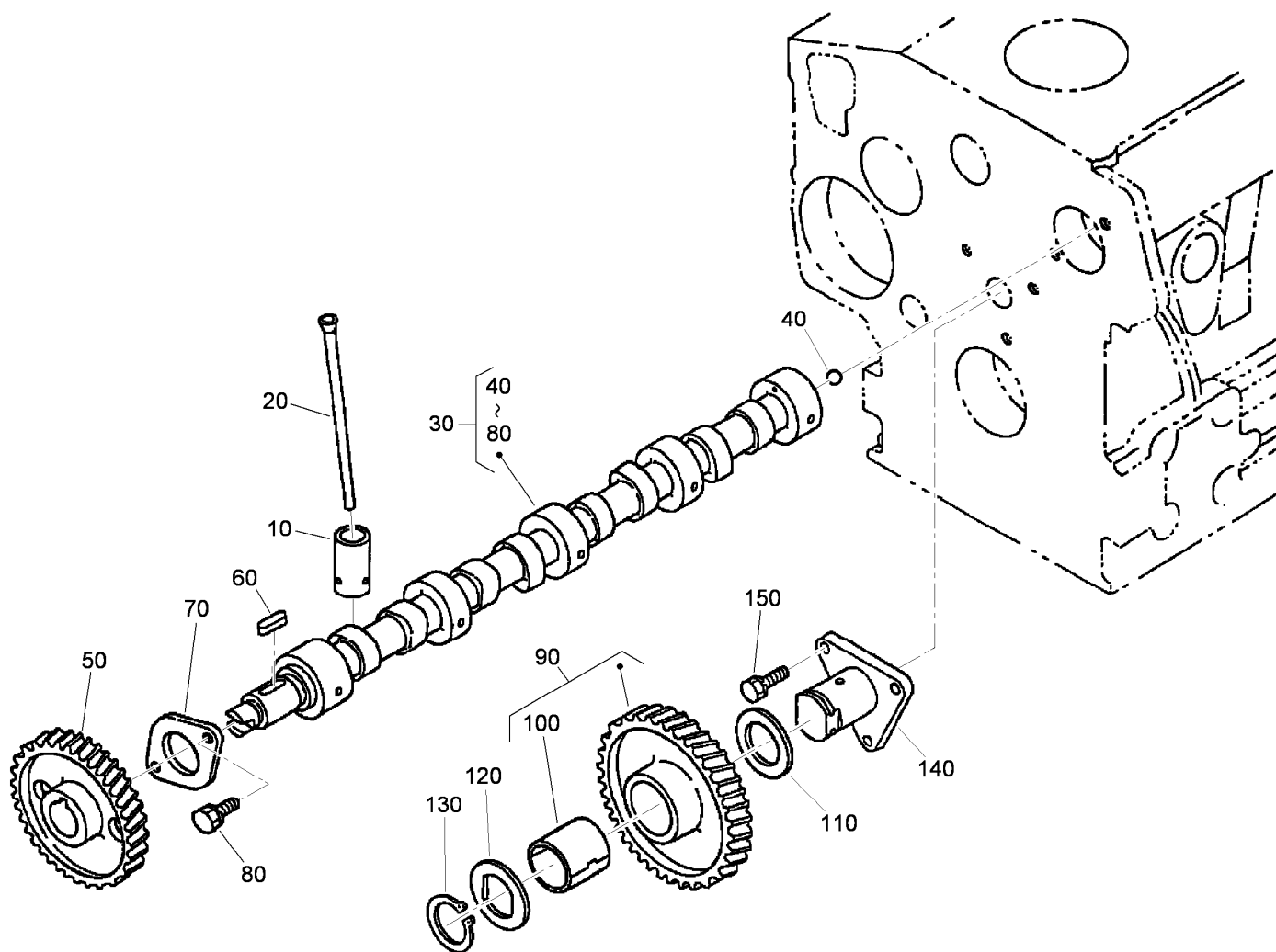
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-9670     | 1    | Gauge-Oil           |
| 20   | 98-9672     | 1    | Oil Gauge Guide ASM |
| 30   | 98-9722     | 1    | O-Ring              |
| 40   | 100-9195    | 1    | Bolt                |
| 50   | 110-3720    | 1    | Plug-Gauge, Oil     |



## Main Bearing Case Assembly

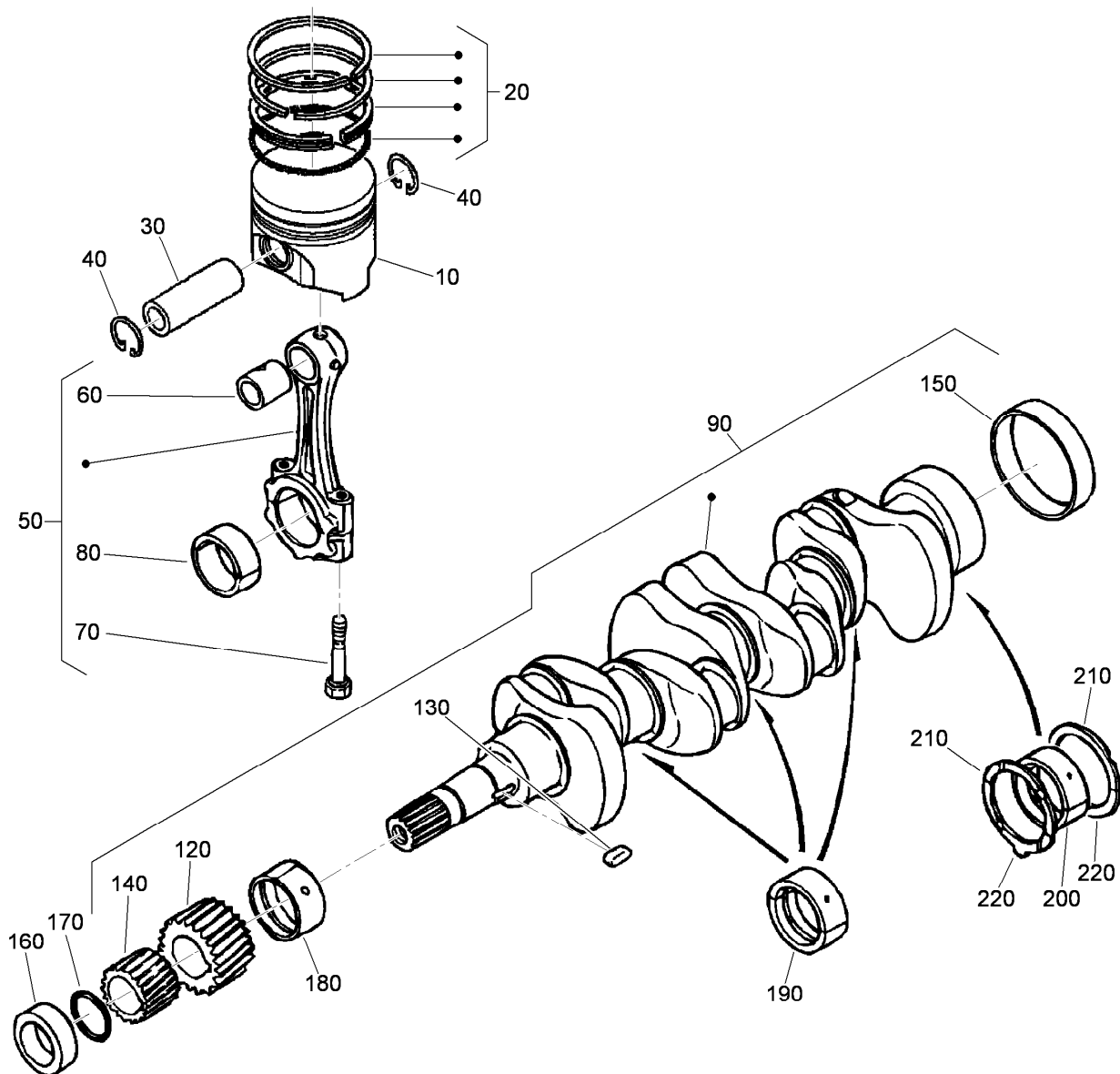
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 112-7026    | 1    | Wheel Bearing Case ASM |
| 15   | 115-4121    | 1    | Metal-Crankshaft (STD) |
| 20   | 98-9484     | 2    | Bolt-Case, Bearing     |
| 30   | 98-9634     | 1    | Gasket-Case, Bearing   |
| 40   | 112-7046    | 1    | Cover-Case, Bearing    |
| 50   | 112-0180    | 1    | Seal-Oil               |
| 60   | 112-7037    | 1    | Gasket-Cover, Case     |
| 70   | 98-9352     | 8    | Bolt                   |
| 80   | 98-7568     | 9    | Bolt                   |
| 90   | 115-4106    | 1    | Main Bearing Case ASM  |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 95   | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 100  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 110  | 98-9485     | 3    | Bolt-Case, Bearing         |
| 120  | 115-4107    | 1    | Main Bearing Case ASM      |
| 125  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 130  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 140  | 115-4108    | 1    | Main Bearing Case ASM      |
| 145  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 150  | 98-9484     | 2    | Bolt-Case, Bearing         |



## Cam Shaft and Idle Gear Assembly

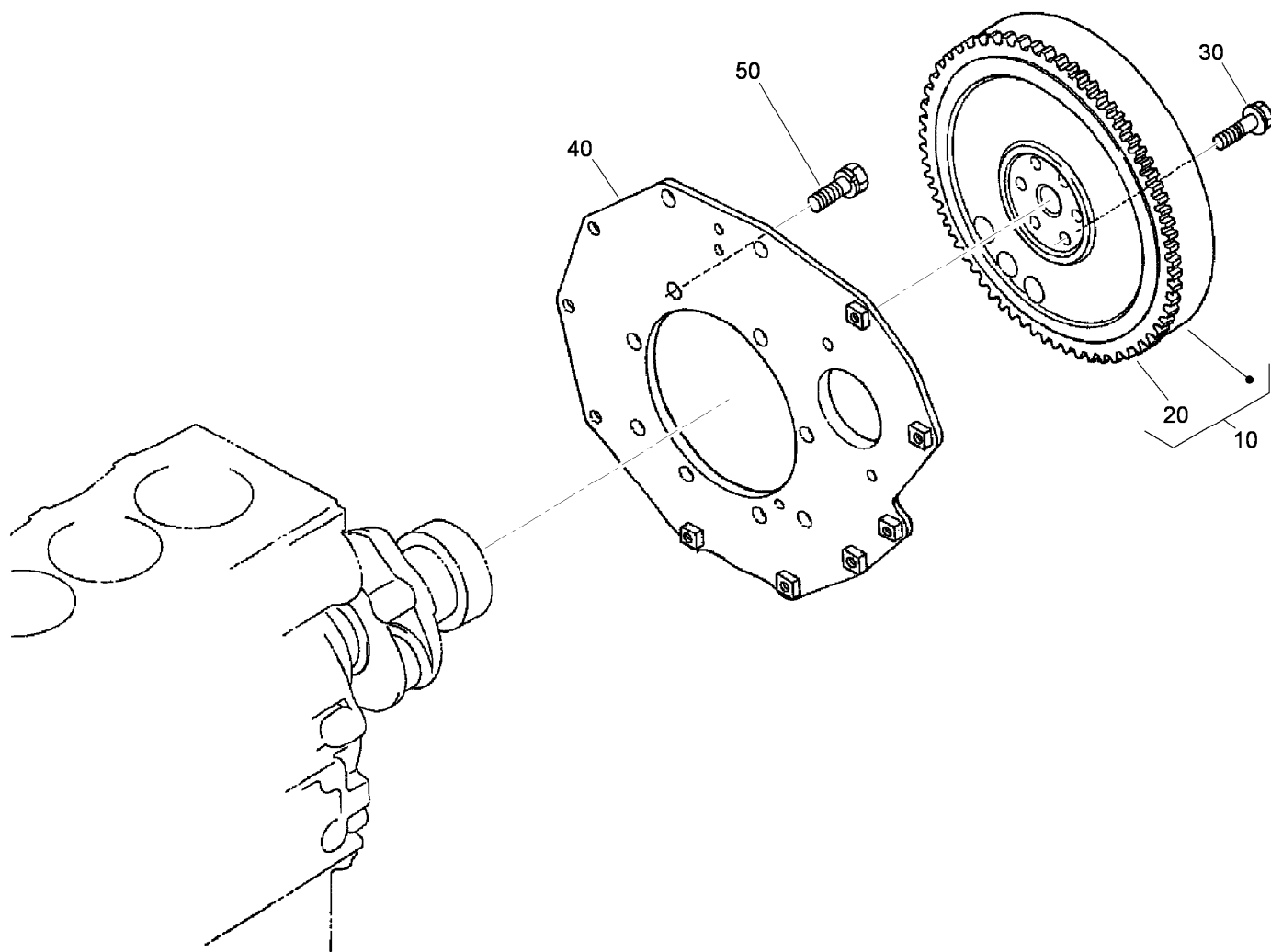
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 112-0185    | 8    | Tappet             |
| 20   | 98-9509     | 8    | Rod-Push           |
| 30   | 120-3116    | 1    | Camshaft ASM       |
| 40   | 110-3729    | 1    | Ball               |
| 50   | 98-9512     | 1    | Gear-Cam           |
| 60   | 98-9378     | 1    | Key-Feather        |
| 70   | 98-9510     | 1    | Stopper-Camshaft   |
| 80   | 98-7692     | 2    | Bolt               |
| 90   | 117-7584    | 1    | Idler Gear ASM     |
| 100  | 117-7585    | 1    | Bushing-Gear, Idle |
| 110  | 98-9535     | 1    | Collar-Gear, Idle  |
| 120  | 98-9536     | 1    | Collar-Gear, Idle  |
| 130  | 98-9534     | 1    | Circlip-Gear, Idle |
| 140  | 98-9533     | 1    | Shaft-Gear, Idle   |
| 150  | 98-7692     | 3    | Bolt               |



## Piston and Crankshaft Assembly

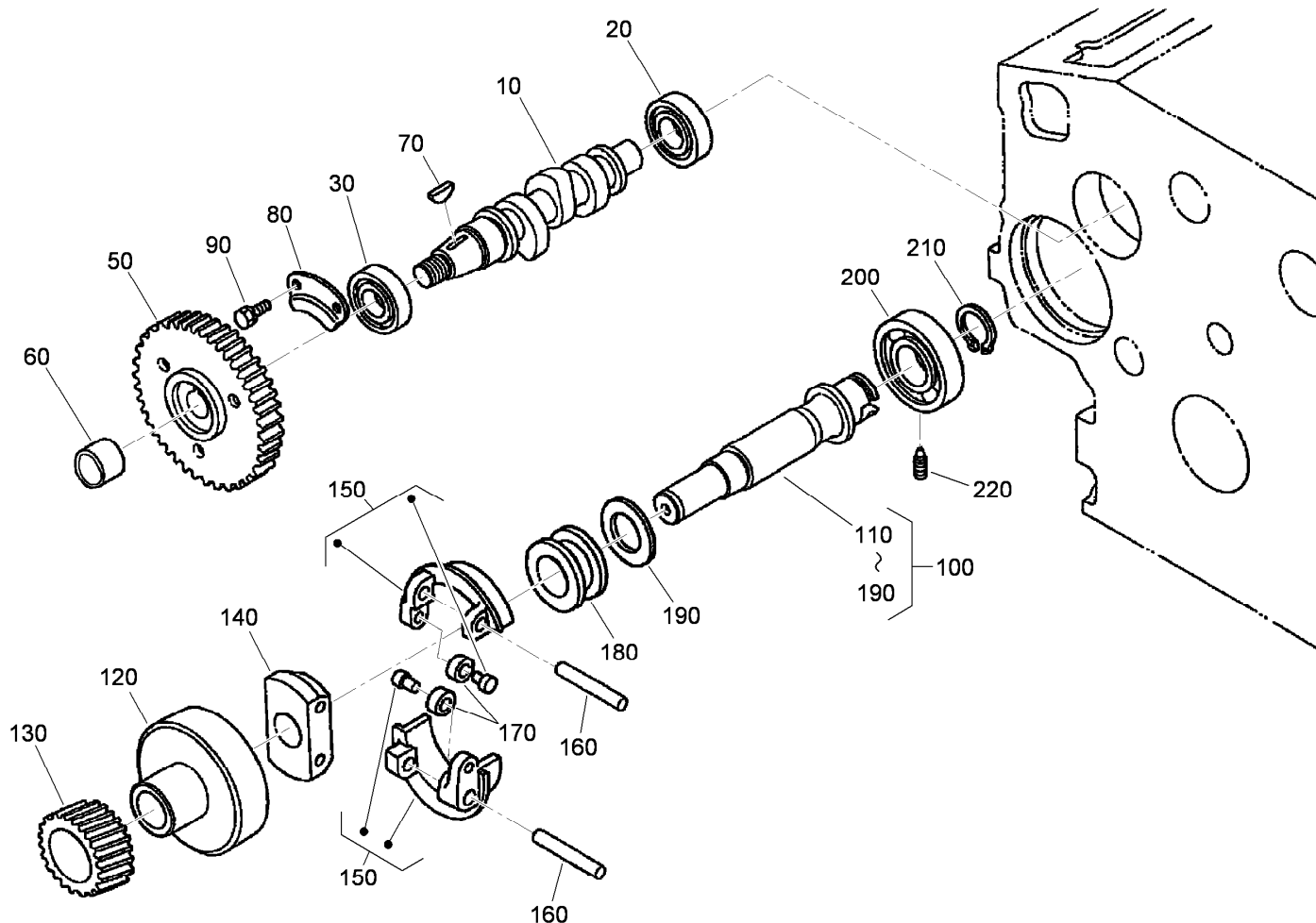
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 112-8404    | 4    | Piston (STD)            |
| 10   | 112-8414    | 4    | Piston (+0.5Mm)         |
| 20   | 98-9551     | 4    | Piston Ring ASM (STD)   |
| 20   | 108-1404    | 4    | Piston Ring ASM (0.5Mm) |
| 30   | 98-9513     | 4    | Pin-Piston              |
| 40   | 98-9514     | 8    | Circlip-Pin, Piston     |
| 50   | 117-7586    | 4    | Connecting Rod ASM      |
| 60   | 115-3014    | 4    | Bushing-Pin, Piston     |
| 70   | 98-9517     | 8    | Bolt-Rod, Connecting    |
| 80   | 98-9520     | 4    | Bearing-Rod (0.4Mm)     |
| 80   | 98-9519     | 4    | Bearing-Rod (0.2Mm)     |
| 80   | 98-9518     | 4    | Metal-Crankpin (STD)    |
| 90   | 120-2561    | 1    | Crankshaft ASM          |
| 120  | 117-7561    | 1    | Gear-Crankshaft         |
| 130  | 98-9666     | 1    | Key                     |
| 140  | 98-9542     | 1    | Gear-Drive, Oil Pump    |
| 150  | 98-9522     | 1    | Sleeve-Crankshaft       |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 160  | 98-9521     | 1    | Collar-Crankshaft          |
| 170  | 105-3783    | 1    | O-Ring                     |
| 180  | 98-9523     | 1    | Metal Crankshaft (STD)     |
| 180  | 98-9528     | 1    | Bearing-Main (-0.2Mm)      |
| 180  | 98-9529     | 1    | Bearing-Main (0.4Mm)       |
| 190  | 98-9524     | 3    | Metal-Crankshaft (STD Set) |
| 190  | 98-9530     | 3    | Bearing-Main (0.2Mm)       |
| 190  | 98-9531     | 3    | Bearing-Main (0.4Mm)       |
| 200  | 115-4121    | 1    | Metal-Crankshaft (STD)     |
| 200  | 112-7039    | 1    | Metal-Crankshaft (0.2Mm)   |
| 200  | 112-7040    | 1    | Metal-Crankshaft (-0.4Mm)  |
| 210  | 98-9413     | 2    | Bearing-Thrust (STD)       |
| 210  | 98-9414     | 2    | Bearing-Thrust (0.2Mm)     |
| 210  | 98-9415     | 2    | Bearing-Thrust (0.4Mm)     |
| 220  | 98-9688     | 2    | Bearing-Thrust (STD)       |
| 220  | 98-9689     | 2    | Bearing-Thrust (0.2Mm)     |
| 220  | 98-9690     | 2    | Bearing-Thrust (0.4Mm)     |



## Flywheel Assembly

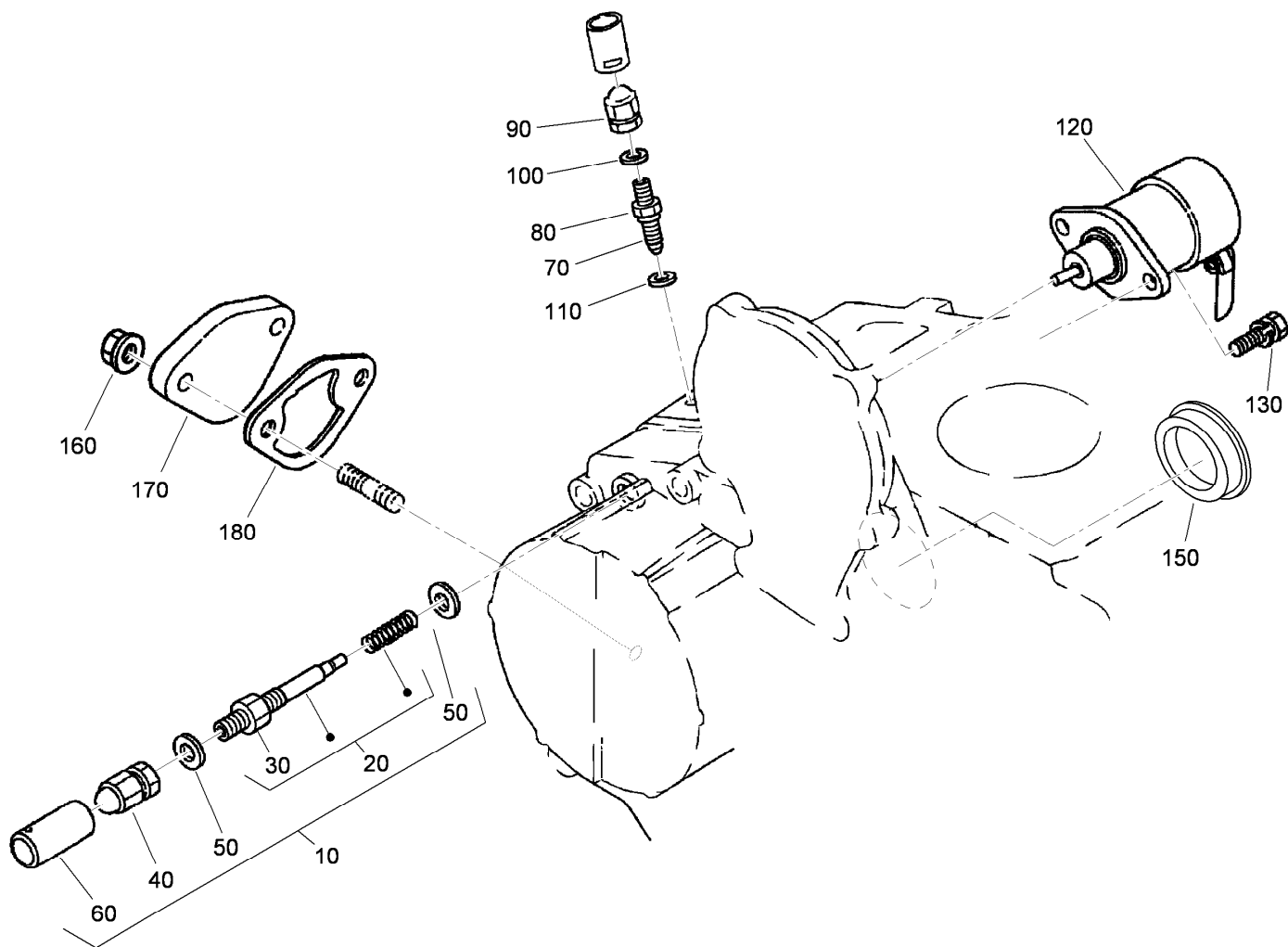
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 105-3721    | 1    | Flywheel ASM    |
| 20   | 115-3015    | 1    | Gear-Ring       |
| 30   | 98-9537     | 6    | Bolt-Flywheel   |
| 40   | 98-9486     | 1    | Plate-End, Rear |
| 50   | 98-9392     | 8    | Bolt            |



## Fuel Camshaft and Governor Shaft Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 105-3723    | 1    | Camshaft-Fuel          |
| 20   | 107-9077    | 1    | Bearing-Ball           |
| 30   | 107-9078    | 1    | Bearing-Ball           |
| 50   | 120-2562    | 1    | Gear-Pump, Injection   |
| 60   | 98-9590     | 1    | Nut-Cap                |
| 70   | 98-9595     | 1    | Key-Woodruff           |
| 80   | 98-9511     | 1    | Stopper-Fuel, Camshaft |
| 90   | 98-7692     | 2    | Bolt                   |
| 100  | 105-3724    | 1    | Governor Shaft ASM     |
| 110  | 105-3725    | 1    | Shaft, Governor        |
| 120  | 98-9562     | 1    | Holder-Gear, Governor  |

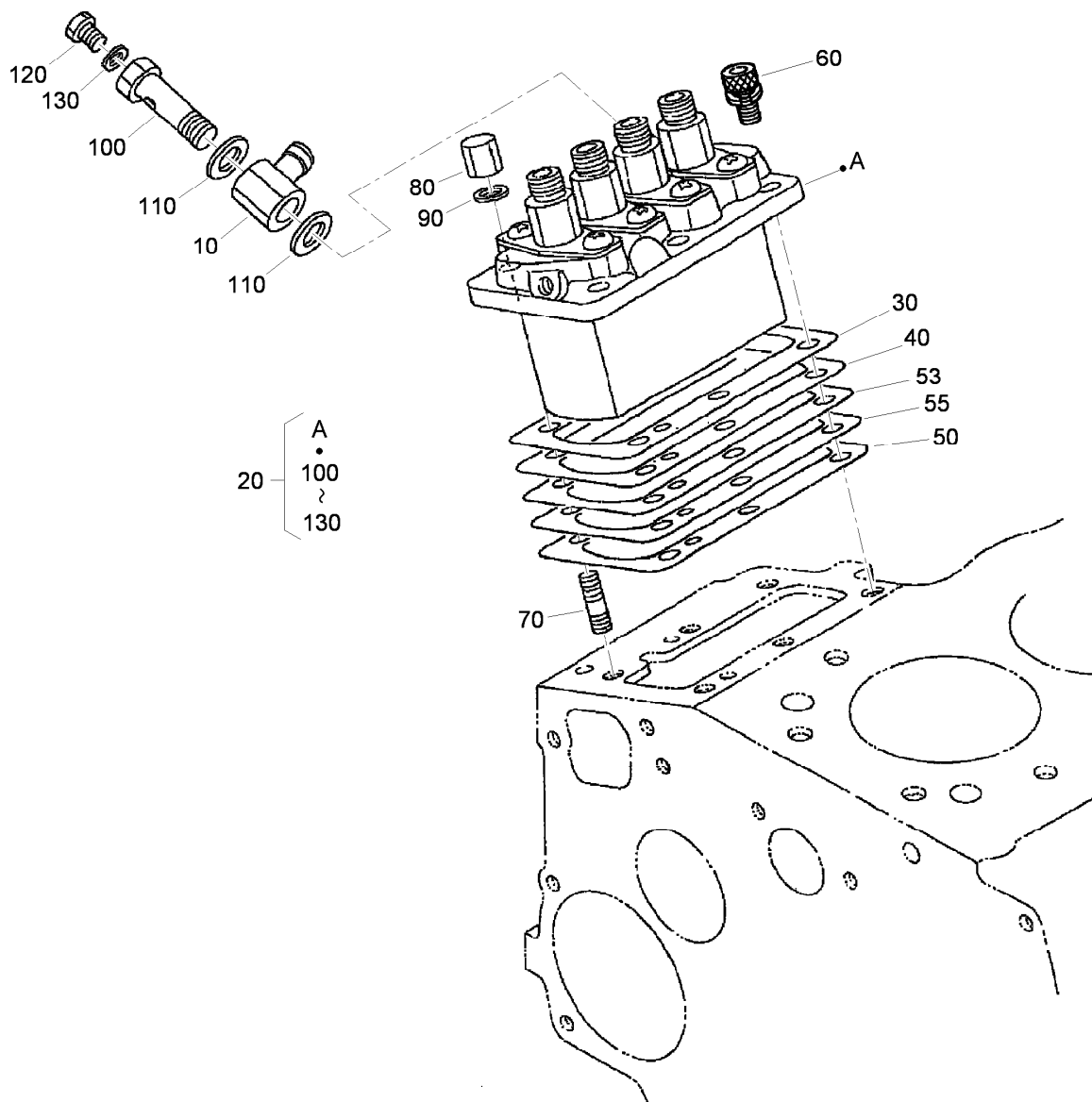
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 130  | 98-9673     | 1    | Gear-Governor           |
| 140  | 98-9561     | 1    | Holder-Weight, Governor |
| 150  | 98-9559     | 2    | Governor Weight ASM     |
| 160  | 98-9560     | 2    | Shaft-Weight, Governor  |
| 170  | 98-9692     | 2    | Roller                  |
| 180  | 98-9563     | 1    | Sleeve-Governor         |
| 190  | 98-9564     | 1    | Washer-Thrust           |
| 200  | 107-9079    | 1    | Bearing-Ball            |
| 210  | 98-9657     | 1    | Circlip-Shaft, Governor |
| 220  | 98-9565     | 1    | Screw-Set               |



## Idle Apparatus Assembly

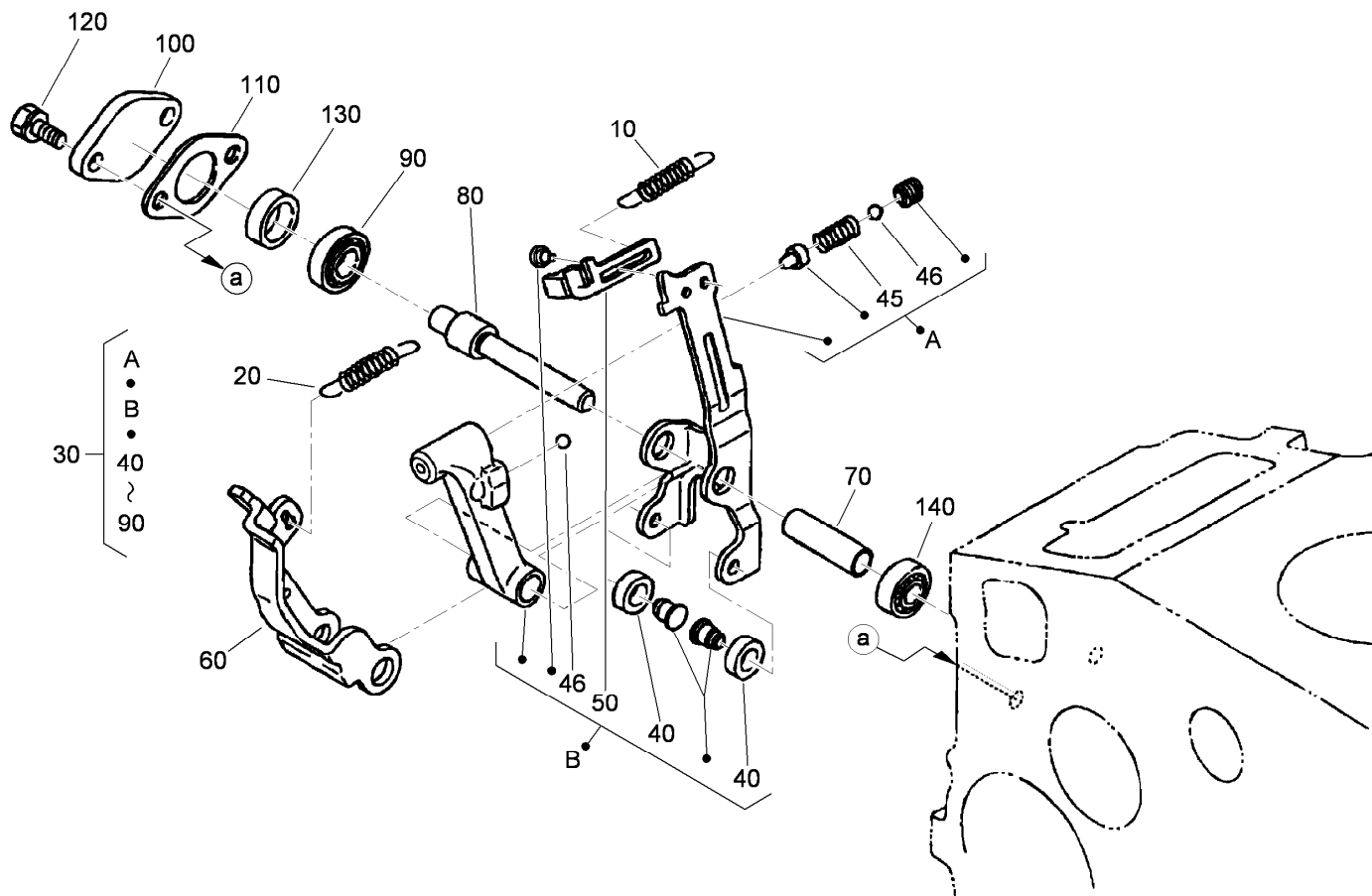
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-9678     | 1    | Idle Apparatus ASM |
| 20   | 112-7014    | 1    | Adjusting Bolt ASM |
| 30   | 98-9439     | 1    | Nut                |
| 40   | 112-0181    | 1    | Nut                |
| 50   | 98-7654     | 2    | Gasket             |
| 60   | 98-7656     | 1    | Cap                |
| 70   | 112-7015    | 1    | Bolt-Adjusting     |
| 80   | 100-2175    | 1    | Nut-Lock           |
| 90   | 112-0181    | 1    | Nut                |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 100  | 98-7654     | 1    | Gasket            |
| 110  | 107-9081    | 1    | Gasket            |
| 120  | 104-5155    | 1    | Solenoid-Stop     |
| 130  | 115-3039    | 2    | Bolt-HSH          |
| 150  | 112-7016    | 1    | Cover-Pump        |
| 160  | 100-2203    | 2    | Nut-Flange        |
| 170  | 99-3514     | 1    | Cover             |
| 180  | 98-9636     | 1    | Gasket-Pump, Fuel |



## Injection Pump Assembly

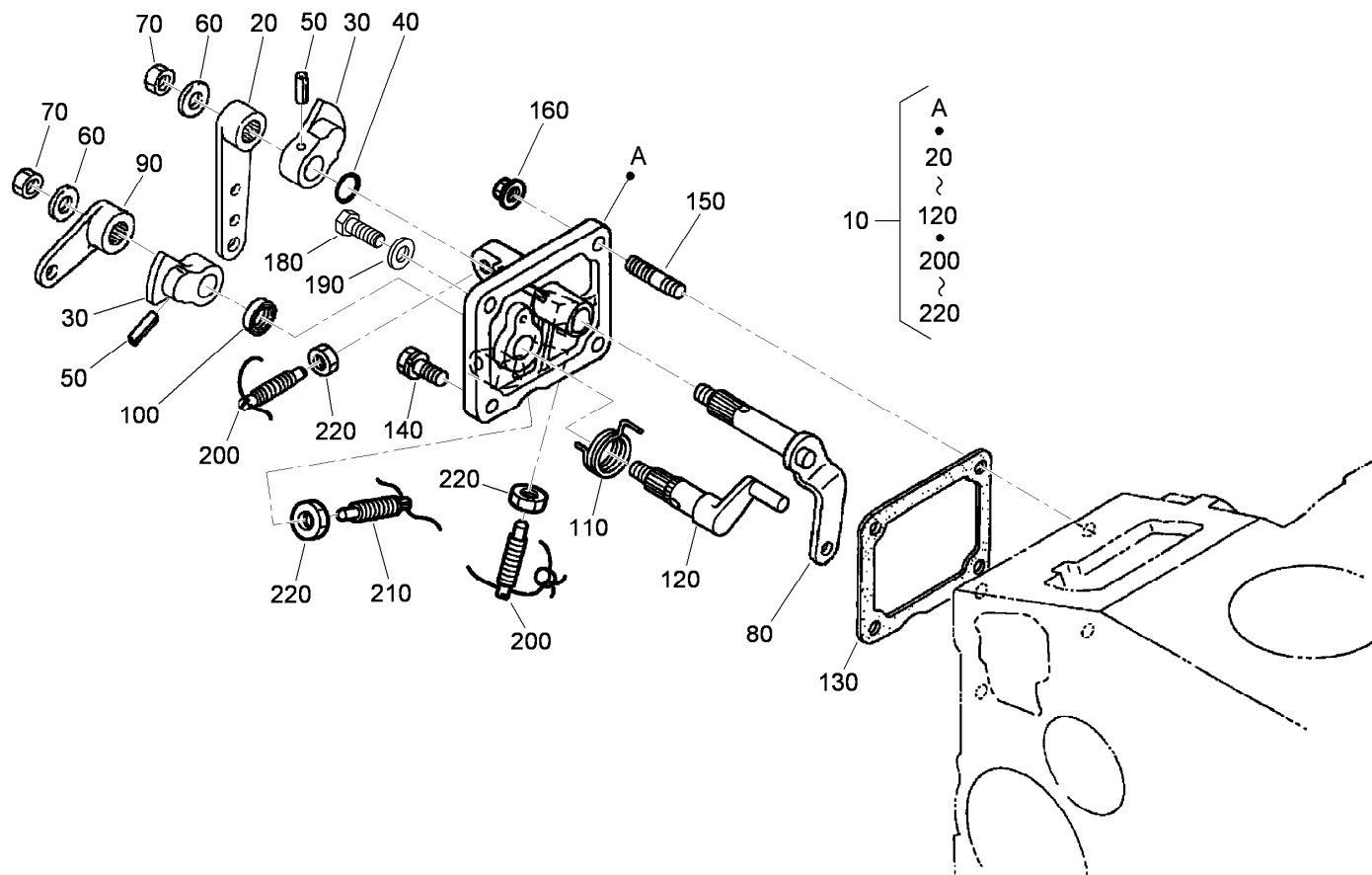
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 10   | 98-9596     | 1    | Joint-Eye                     |
| 20   | 105-3727    | 1    | Injection Pump ASM            |
| 30   | 105-3728    | 1    | Shim-Pump, Injection (.20Mm)  |
| 40   | 105-3729    | 1    | Shim-Pump, Injection (.25Mm)  |
| 50   | 105-3730    | 1    | Shim-Pump, Injection (.30Mm)  |
| 53   | 115-3016    | 1    | Shim-Pump, Injection (.350Mm) |
| 55   | 115-3017    | 1    | Shim-Pump, Injection (.175Mm) |
| 60   | 117-7564    | 3    | Bolt-Hex Soc HD               |
| 70   | 98-9438     | 3    | Stud                          |
| 80   | 98-9440     | 3    | Nut-Cap                       |
| 90   | 98-7699     | 6    | Washer-Spring                 |
| 100  | 98-9464     | 1    | Bolt-Joint                    |
| 110  | 98-9445     | 2    | Gasket                        |
| 120  | 98-9430     | 1    | Screw                         |
| 130  | 98-9446     | 1    | Gasket                        |



## Governor Assembly

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 105-3741    | 1    | Spring-Start    |
| 20   | 98-9681     | 1    | Spring-Governor |
| 30   | 115-4502    | 1    | Fork Lever ASM  |
| 40   | 98-9692     | 2    | Roller          |
| 45   | 108-2867    | 1    | Spring          |
| 46   | 98-7580     | 2    | Ball            |
| 50   | 107-9083    | 1    | Lever-Thrust    |
| 60   | 107-9084    | 1    | Lever-Fork      |

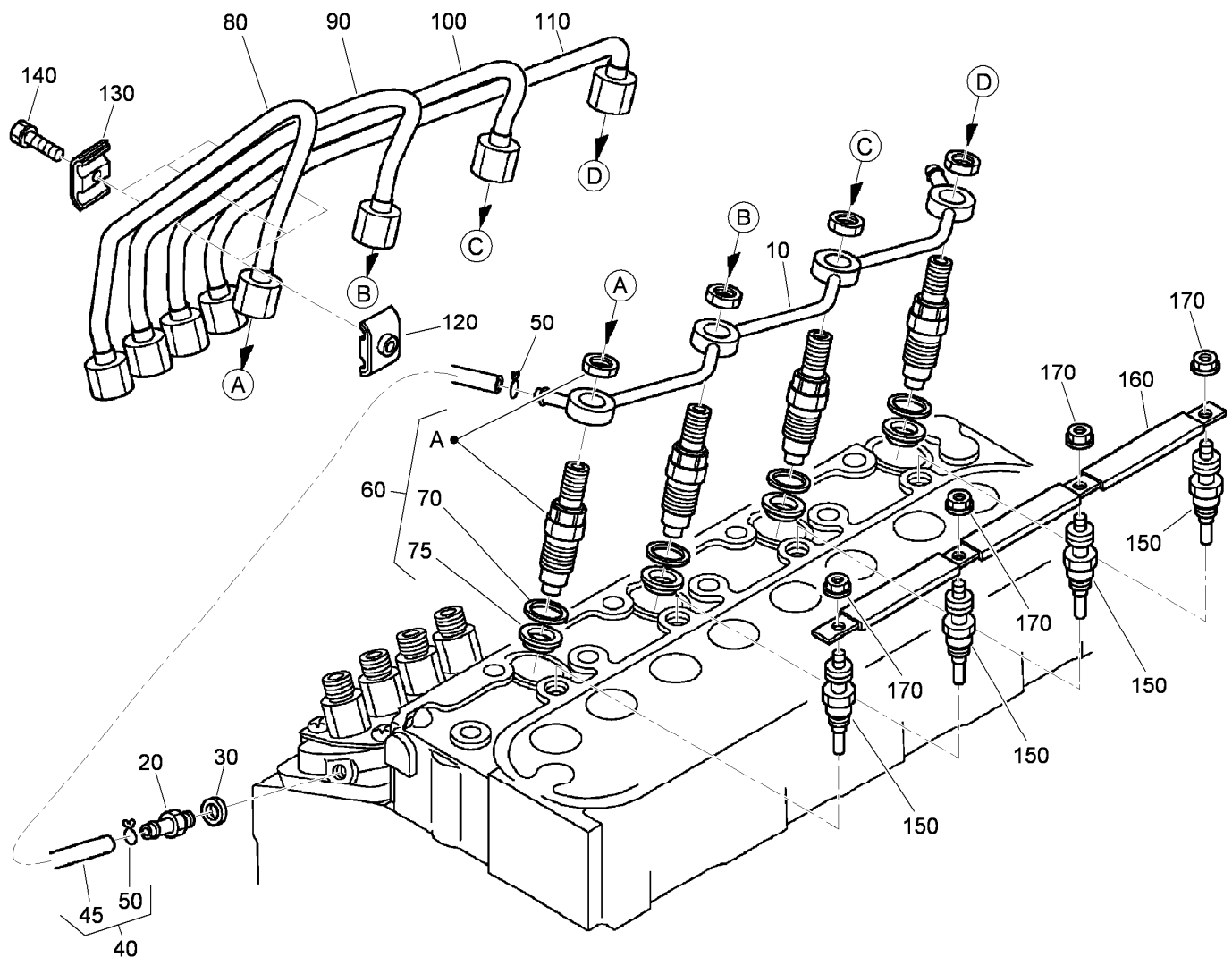
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 70   | 107-9085    | 1    | Shaft-Lever, Fork       |
| 80   | 107-9086    | 1    | Shaft-Lever, Fork       |
| 90   | 98-9570     | 1    | Bearing-Miniaturize     |
| 100  | 115-4122    | 1    | Cover-Shaft, Fork Lever |
| 110  | 98-9682     | 1    | Gasket                  |
| 120  | 98-9350     | 2    | Bolt                    |
| 130  | 98-9567     | 1    | Collar                  |
| 140  | 98-9571     | 1    | Bearing-Miniaturize     |



## Speed Control Plate Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 105-3735    | 1    | Control Plate ASM    |
| 20   | 98-9662     | 1    | Lever-Control, Speed |
| 30   | 98-9572     | 2    | Lever-Control, Speed |
| 40   | 105-3788    | 1    | O-Ring               |
| 50   | 98-7602     | 2    | Pin-Spring           |
| 60   | 98-9594     | 2    | Washer-Plain         |
| 70   | 98-9589     | 2    | Nut                  |
| 80   | 98-9658     | 1    | Governor Lever ASM   |
| 90   | 98-9663     | 1    | Lever-Stop, Engine   |
| 100  | 98-7601     | 1    | Seal-Oil             |
| 110  | 98-9472     | 1    | Spring-Return        |

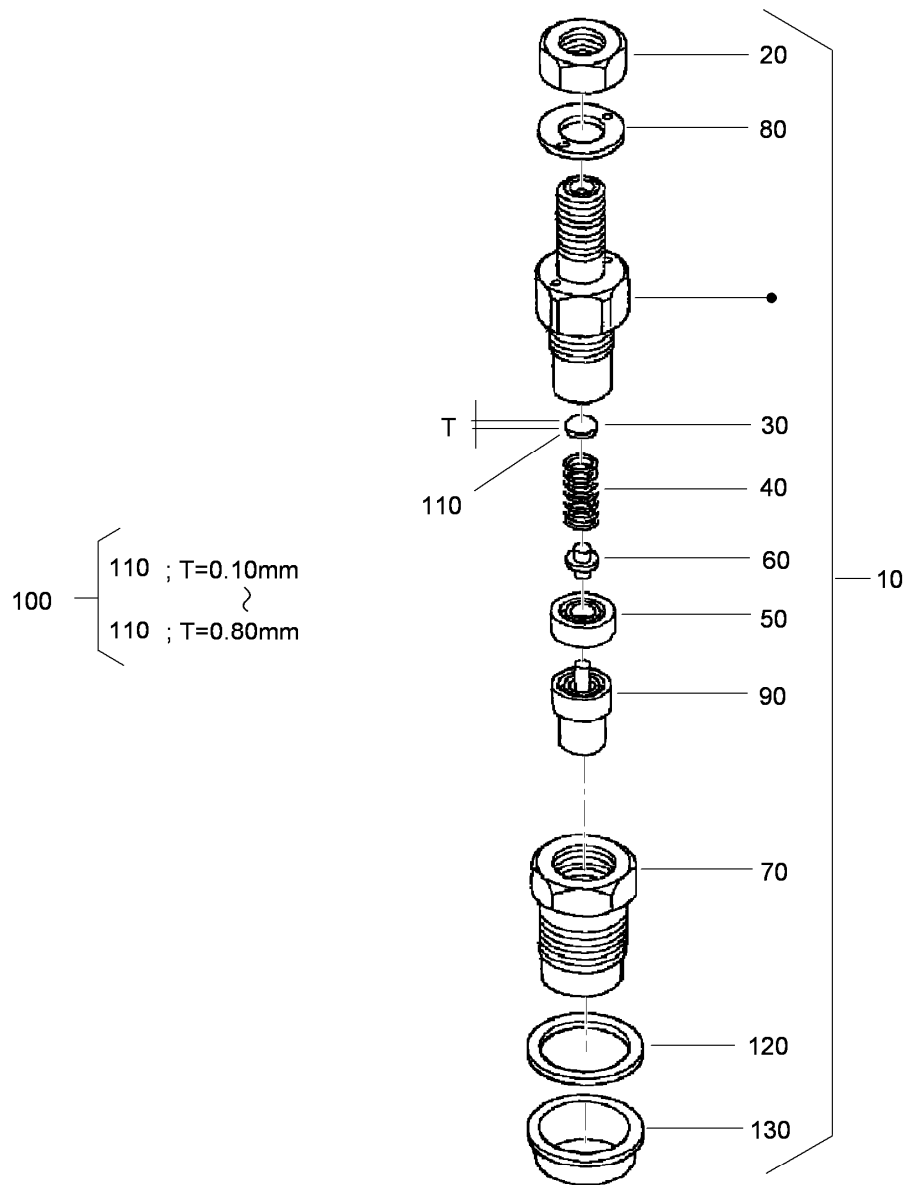
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 120  | 98-9664     | 1    | Shaft-Lever, Stop |
| 130  | 98-9637     | 1    | Gasket            |
| 140  | 98-7692     | 1    | Bolt              |
| 150  | 105-3710    | 1    | Stud              |
| 160  | 98-7572     | 2    | Nut               |
| 180  | 99-8348     | 2    | Bolt              |
| 190  | 98-7654     | 2    | Gasket            |
| 200  | 117-7565    | 2    | Bolt-Adjusting    |
| 210  | 117-7566    | 1    | Bolt-Adjusting    |
| 220  | 98-7572     | 3    | Nut               |



## Nozzle Holder and Glow Plug Assembly

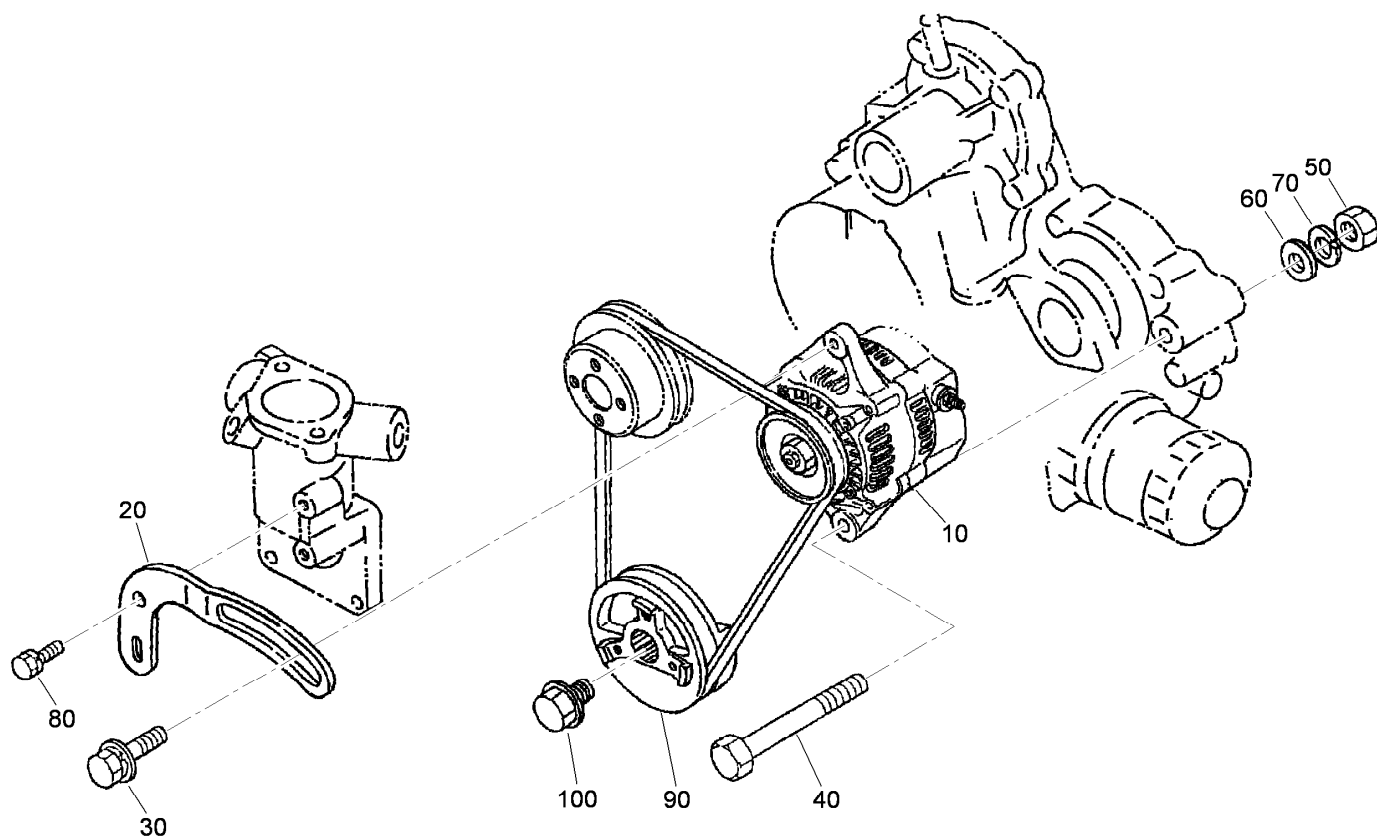
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 105-3737    | 1    | Over Flow Pipe ASM |
| 20   | 98-9431     | 1    | Screw-Bleeder, Air |
| 30   | 98-7654     | 1    | Gasket             |
| 40   | 98-9420     | 1    | Overflow Pipe ASM  |
| 45   | 112-0182    | 1    | Pipe-Overflow      |
| 50   | 98-7671     | 2    | Clip-Pipe          |
| 60   | 115-3018    | 4    | Nozzle Holder Kit  |
| 70   | 98-7676     | 4    | Gasket             |
| 75   | 98-7677     | 4    | Seal-Heat          |
| 80   | 98-9653     | 1    | Pipe-Injection     |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 90   | 98-9654     | 1    | Pipe-Injection   |
| 100  | 98-9655     | 1    | Pipe-Injection   |
| 110  | 105-3738    | 1    | Pipe-Injection   |
| 120  | 98-7682     | 3    | Clamp-Pipe       |
| 130  | 98-7683     | 3    | Clamp-Pipe       |
| 140  | 98-7684     | 3    | Screw (W/Washer) |
| 150  | 115-3019    | 4    | Plug-Glow        |
| 160  | 105-3739    | 1    | Cord-Plug, Glow  |
| 170  | 99-8377     | 4    | Nut-Flange       |



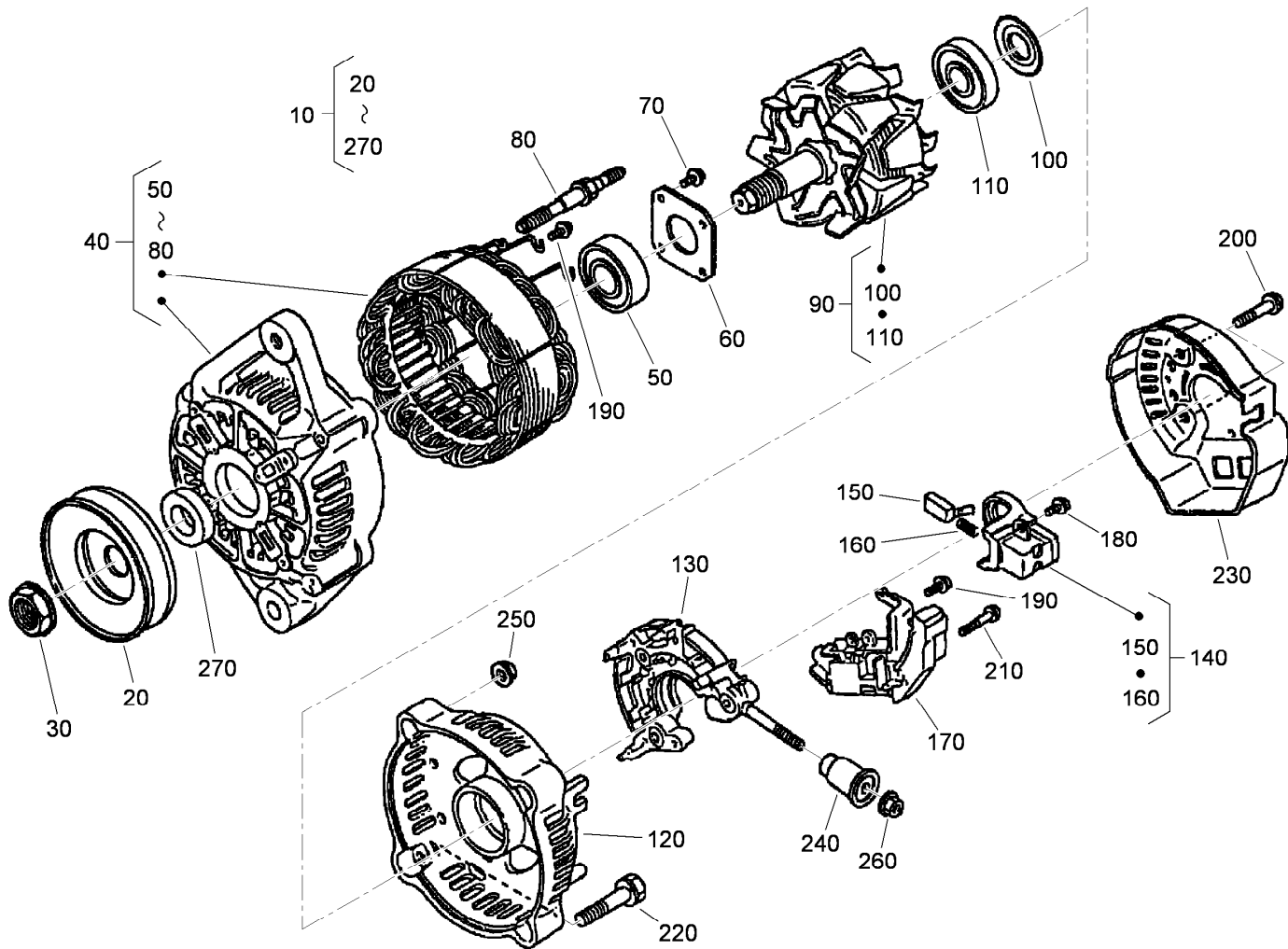
## Nozzle Holder Component Assembly

| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|------|-------------|------|------------------------|
| 10   | 115-3018    | 4    | Nozzle Holder Kit      | 110  | 99-8311     | 4    | Washer-Adjust (0.20Mm) |
| 20   | 99-8301     | 4    | Nut                    | 110  | 99-8312     | 4    | Washer-Adjust (0.30Mm) |
| 30   | 99-8302     | 4    | Washer-Adjusting       | 110  | 99-8313     | 4    | Washer-Adjust (0.40Mm) |
| 40   | 99-8303     | 4    | Spring-Nozzle          | 110  | 99-8314     | 4    | Washer-Adjust (0.50Mm) |
| 50   | 99-8304     | 4    | Spacer-Distance        | 110  | 99-8315     | 4    | Washer-Adjust (0.52Mm) |
| 60   | 99-8305     | 4    | Rod-Push               | 110  | 99-8316     | 4    | Washer-Adjust (0.54Mm) |
| 70   | 99-8306     | 4    | Nut-Nozzle             | 110  | 99-8317     | 4    | Washer-Adjust (0.56Mm) |
| 80   | 99-8307     | 4    | Washer-Plain           | 110  | 99-8318     | 4    | Washer-Adjust (0.58Mm) |
| 90   | 115-3020    | 4    | Piece-Nozzle           | 110  | 99-8319     | 4    | Washer-Adjust (0.80Mm) |
| 100  | 99-8309     | 4    | Adjusting Washer ASM   | 120  | 98-7676     | 4    | Gasket                 |
| 110  | 99-8310     | 4    | Washer-Adjust (0.10Mm) | 130  | 98-7677     | 4    | Seal-Heat              |



## Alternator and Pulley Assembly

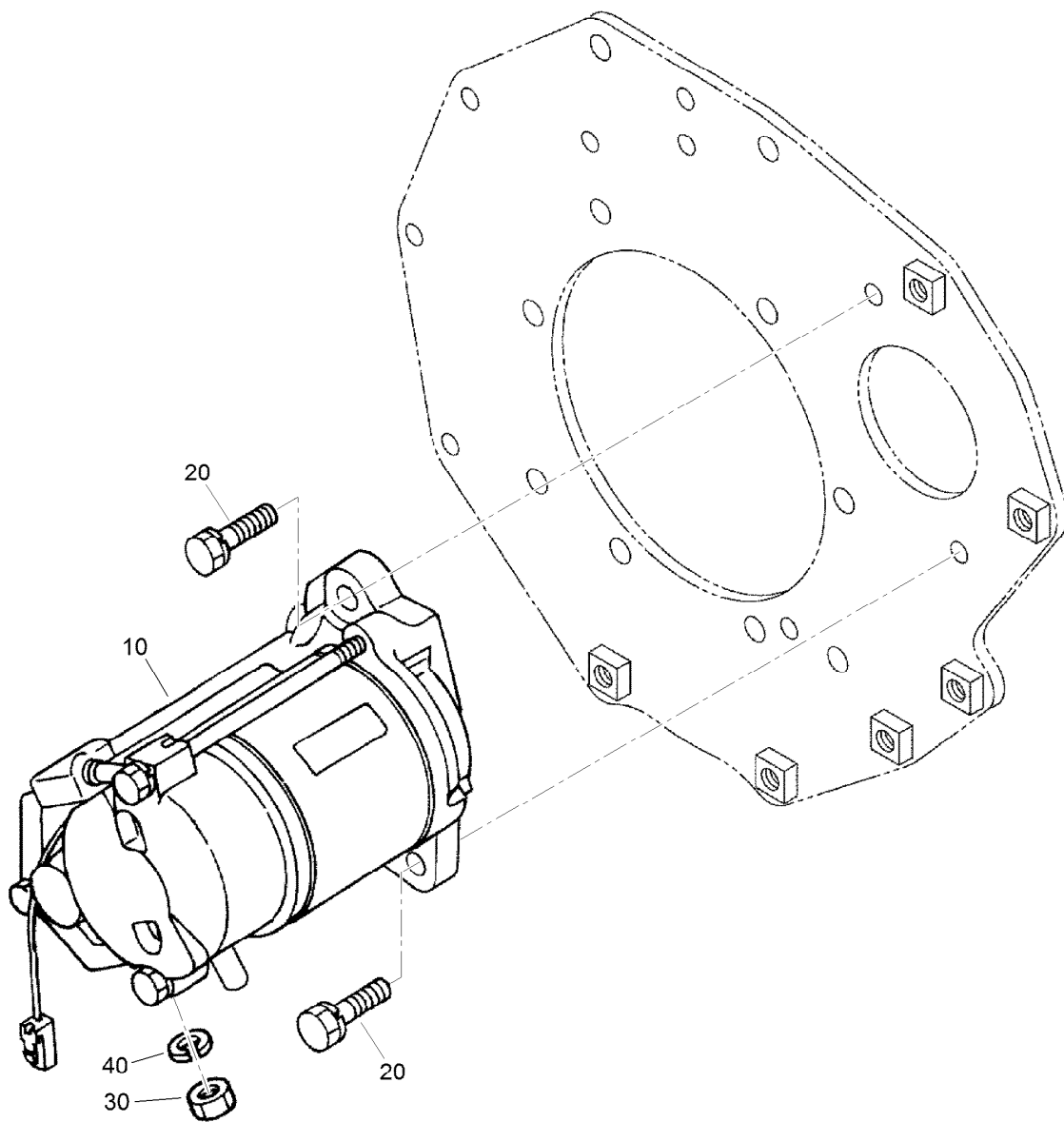
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 117-5541    | 1    | Alternator ASM    |
| 20   | 117-5542    | 1    | Bracket           |
| 30   | 108-7088    | 1    | Bolt              |
| 40   | 98-9360     | 1    | Bolt              |
| 50   | 98-7737     | 1    | Nut               |
| 60   | 98-7696     | 1    | Washer-Plain      |
| 70   | 98-7738     | 1    | Washer-Spring     |
| 80   | 98-7692     | 1    | Bolt              |
| 90   | 105-3745    | 1    | Pulley-Drive, Fan |
| 100  | 98-9585     | 1    | Bolt              |



## Alternator Components

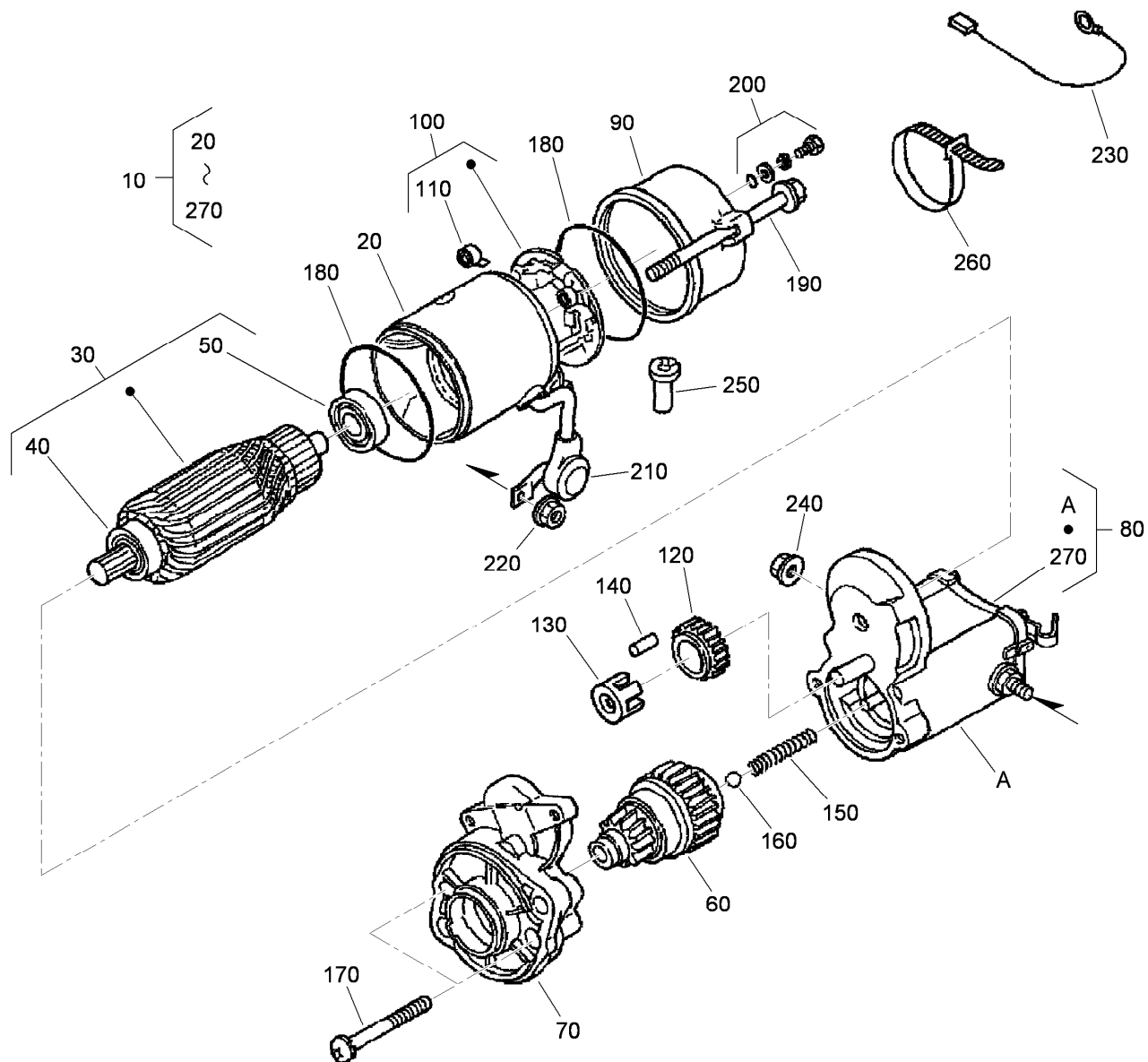
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 117-5541    | 1    | Alternator ASM      |
| 20   | 98-9453     | 1    | Pulley-Dynamo       |
| 30   | 98-7708     | 1    | Nut                 |
| 40   | 117-0316    | 1    | Drive End Frame ASM |
| 50   | 107-0137    | 1    | Bearing-Ball        |
| 60   | 98-7715     | 1    | Plate-Retainer      |
| 70   | 98-7716     | 4    | Screw-Head, Round   |
| 80   | 98-7717     | 2    | Bolt-Through        |
| 90   | 117-0317    | 1    | Rotor ASM           |
| 100  | 98-7711     | 1    | Cover-Bearing       |
| 110  | 107-0138    | 1    | Bearing-Ball        |
| 120  | 117-0318    | 1    | Frame-End           |
| 130  | 117-0322    | 1    | Holder              |
| 140  | 107-0141    | 1    | Brush Holder ASM    |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 150  | 98-7724     | 2    | Brush             |
| 160  | 98-7725     | 2    | Spring-Brush      |
| 170  | 117-0319    | 1    | Regulator ASM     |
| 180  | 98-7728     | 1    | Screw-Head, Round |
| 190  | 98-7727     | 6    | Screw-Head, Round |
| 200  | 98-7729     | 3    | Bolt              |
| 210  | 98-7726     | 2    | Screw-Head, Round |
| 220  | 98-7731     | 2    | Bolt              |
| 230  | 117-0320    | 1    | Cover-End         |
| 240  | 117-0321    | 1    | Insulation-Brush  |
| 250  | 98-7730     | 2    | Nut               |
| 260  | 98-7732     | 1    | Nut               |
| 270  | 98-7709     | 1    | Collar            |



## Starter Assembly

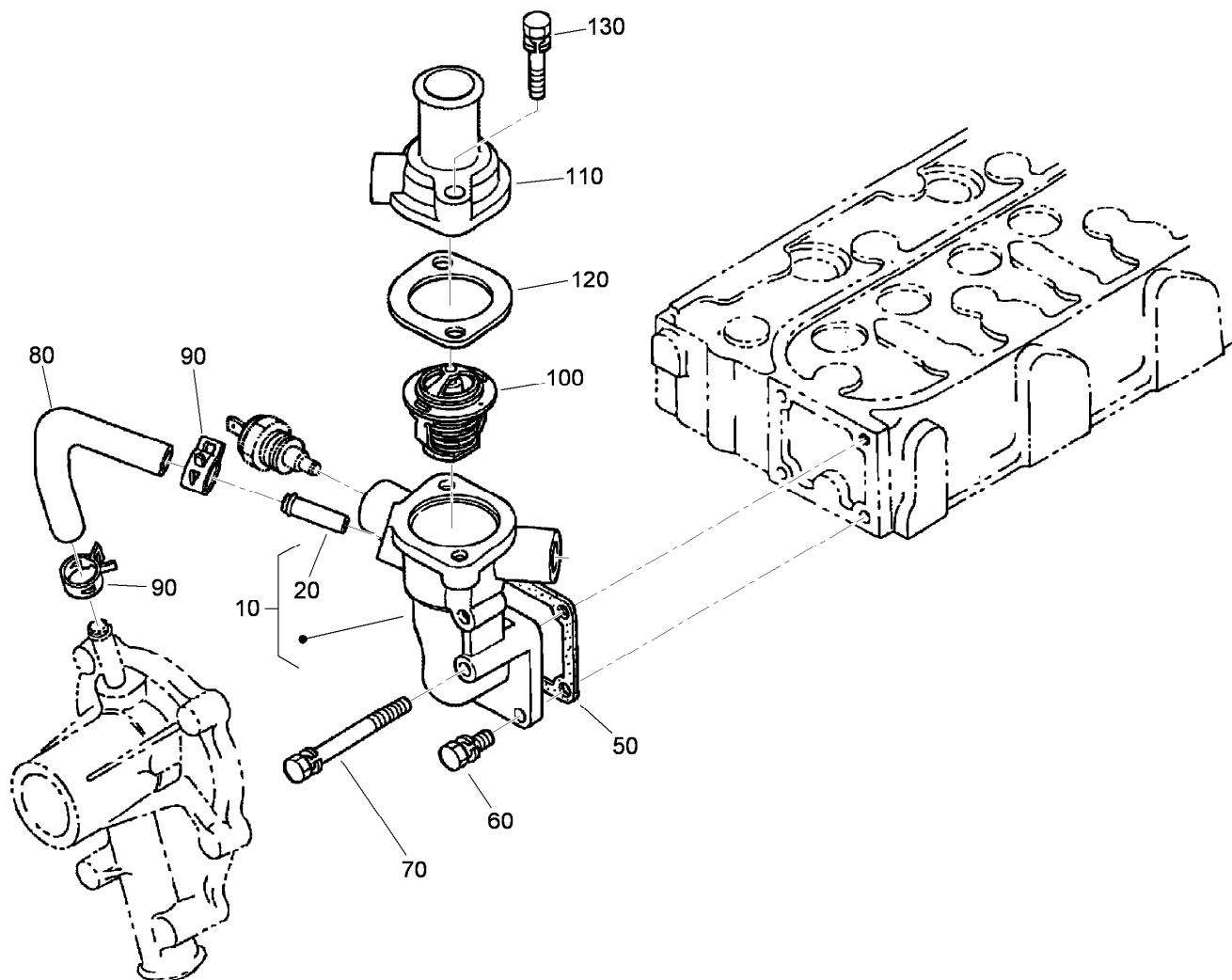
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10   | 98-9705     | 1    | Starter ASM   |
| 20   | 98-7697     | 2    | Bolt          |
| 30   | 98-7739     | 1    | Nut           |
| 40   | 105-2893    | 1    | Washer-Spring |



## Starter (Component Part) Assembly

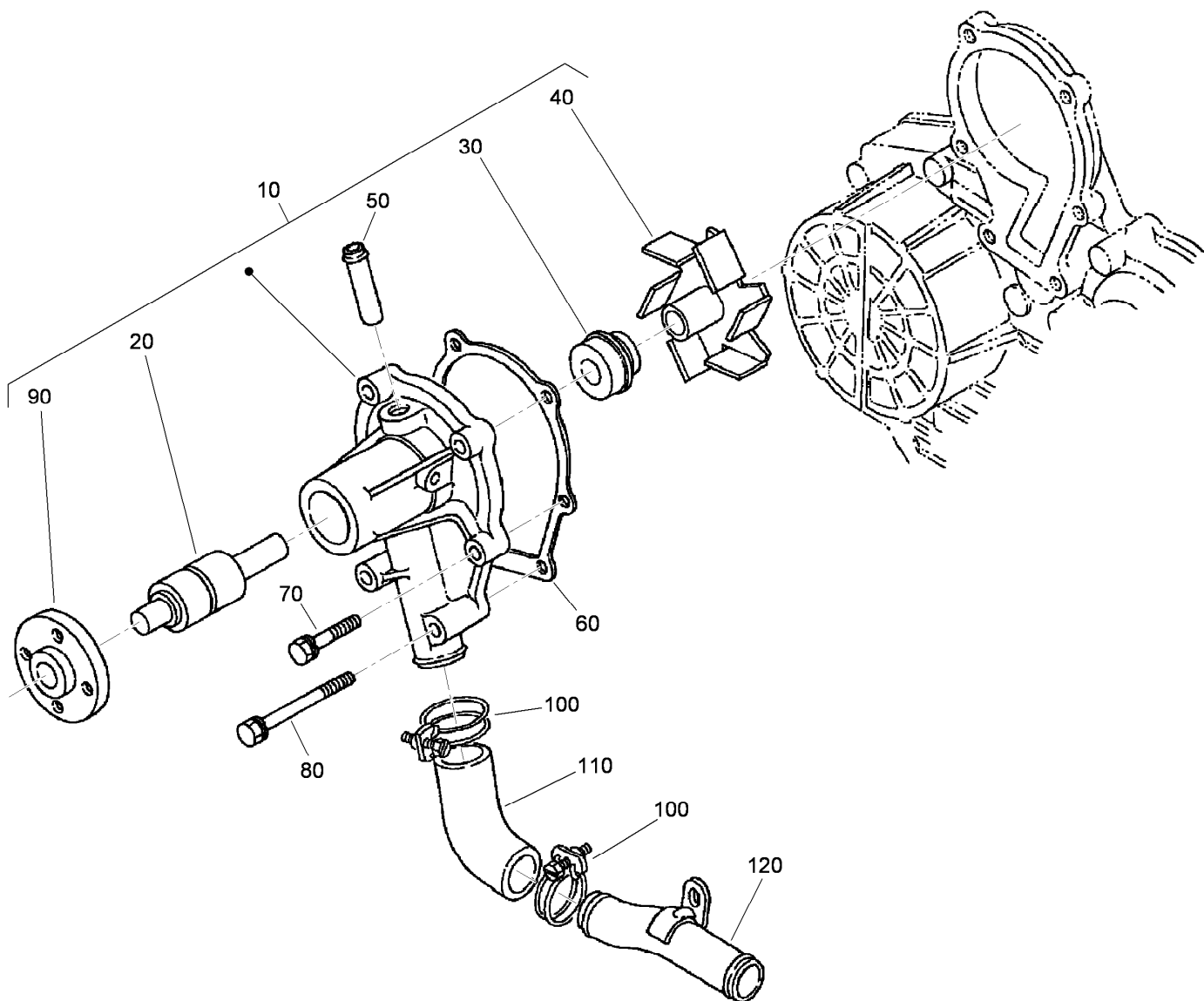
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9705     | 1    | Starter ASM          |
| 20   | 104-8608    | 1    | Yoke ASM             |
| 30   | 98-7742     | 1    | Armature ASM         |
| 40   | 98-7744     | 1    | Bearing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

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



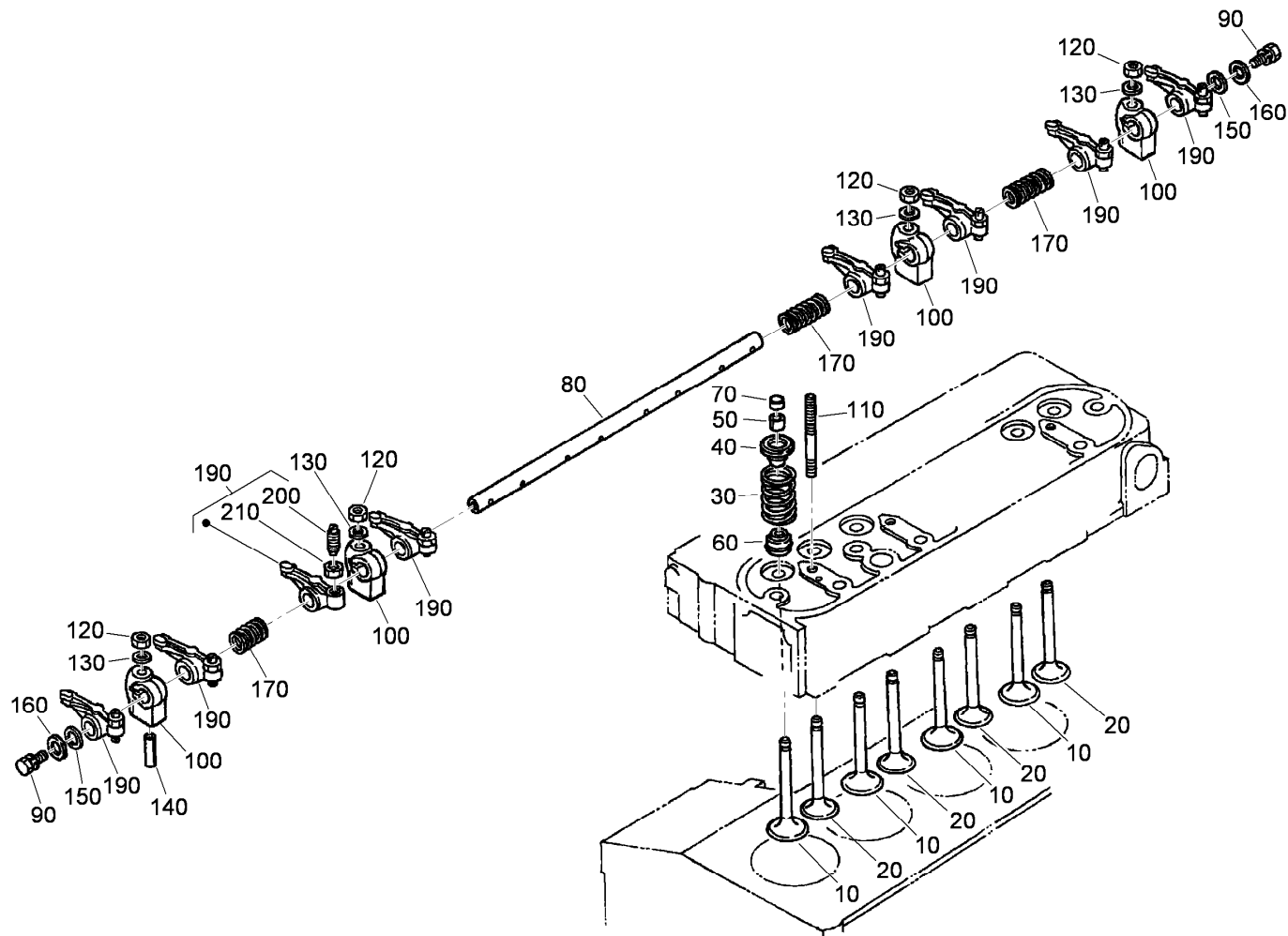
## Water Flange Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9713     | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 50   | 98-9638     | 1    | Gasket-Flange, Water |
| 60   | 98-7692     | 3    | Bolt                 |
| 70   | 98-9356     | 1    | Bolt                 |
| 80   | 98-9578     | 1    | Pipe-Return, Water   |
| 90   | 98-9579     | 2    | Band-Pipe            |
| 100  | 98-7778     | 1    | Thermostat ASM       |
| 110  | 98-9471     | 1    | Cover-Thermostat     |
| 120  | 105-3748    | 1    | Gasket-Thermostat    |
| 130  | 98-7777     | 2    | Bolt                 |



## Water Pump Assembly

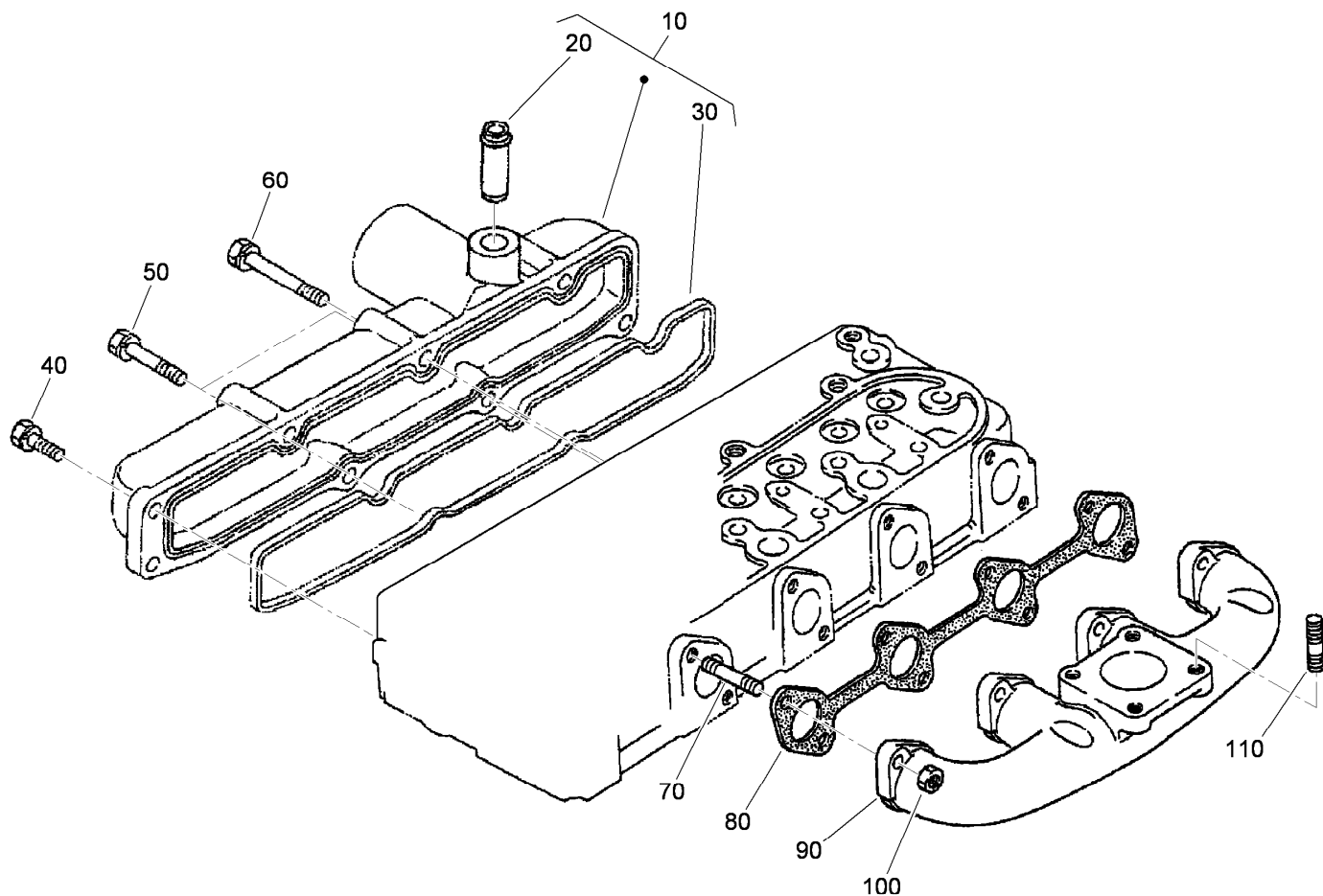
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 107-9089    | 1    | Water Pump ASM       |
| 20   | 99-3517     | 1    | Bearing-Pump, Water  |
| 30   | 105-3750    | 1    | Mechanical Seal ASM  |
| 40   | 112-7017    | 1    | Impeller-Pump, Water |
| 50   | 100-1932    | 1    | Pipe-Return, Water   |
| 60   | 99-3454     | 1    | Gasket-Pump, Water   |
| 70   | 98-9353     | 4    | Bolt                 |
| 80   | 107-9090    | 2    | Bolt                 |
| 90   | 99-3516     | 1    | Flange-Pump, Water   |
| 100  | 98-9717     | 2    | Clamp                |
| 110  | 107-9091    | 1    | Pipe-Water           |
| 120  | 98-9716     | 1    | Pipe-Water           |



## Valve and Rocker Arm Assembly

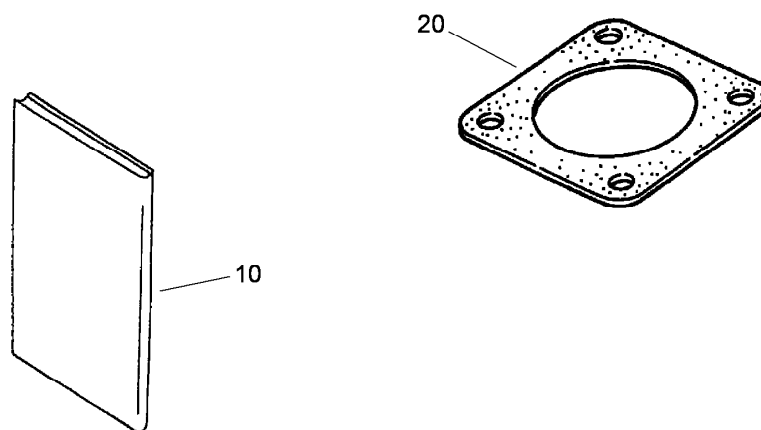
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 120-2563    | 4    | Valve-Inlet          |
| 20   | 120-2564    | 4    | Valve-Exhaust        |
| 30   | 98-9648     | 8    | Spring-Valve         |
| 40   | 107-9092    | 8    | Retainer-Spring      |
| 50   | 117-7572    | 8    | Collet-Spring, Valve |
| 60   | 99-8385     | 8    | Seal-Stem, Valve     |
| 70   | 98-9497     | 8    | Cap-Valve            |
| 80   | 105-3790    | 1    | R-Arm Shaft ASM      |
| 90   | 100-9265    | 2    | Bolt                 |
| 100  | 98-9505     | 4    | Bracket-Arm, Rocker  |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 110  | 98-9506     | 4    | Stud                     |
| 120  | 98-9393     | 4    | Nut                      |
| 130  | 98-9385     | 4    | Washer-Flat              |
| 140  | 105-3758    | 1    | Pin-Spring               |
| 150  | 98-9507     | 2    | Washer-Shaft, Rocker Arm |
| 160  | 110-3832    | 2    | Washer-Plain             |
| 170  | 98-9504     | 2    | Spring-Arm, Rocker       |
| 190  | 112-7020    | 8    | Rocker Arm ASM           |
| 200  | 98-9502     | 8    | Screw-Adjusting          |
| 210  | 98-9503     | 8    | Nut                      |



## Intake and Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 108-2874    | 1    | Intake Manifold ASM      |
| 20   | 98-9492     | 1    | Joint-Pipe, Breather     |
| 30   | 105-3760    | 1    | Gasket-Manifold, Intake  |
| 40   | 98-7605     | 3    | Bolt                     |
| 50   | 98-9353     | 2    | Bolt                     |
| 60   | 105-3797    | 3    | Bolt                     |
| 70   | 98-9588     | 8    | Stud                     |
| 80   | 105-3765    | 1    | Gasket-Manifold, Exhaust |
| 90   | 112-0187    | 1    | Manifold-Exhaust         |
| 100  | 98-9665     | 8    | Nut                      |
| 110  | 98-7769     | 4    | Stud                     |



## Muffler Gasket and Operator Manual

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|-------------------------|
| 10          | 117-8836           | 1           | Manual-Operator, Kubota |
| 20          | 99-8343            | 1           | Gasket-Muffler          |

# Attachments and Accessories

## For 31222 Groundsmaster 360 4-Wheel Drive Multi-Purpose Machine with Cab

| Product Name                                                       | Model/Part  |
|--------------------------------------------------------------------|-------------|
| Blade-Belt Kit, 72in Side Discharge Deck .....                     | 105-7272    |
| Green Diesel Cap .....                                             | 107-2172    |
| Premium Transmission/Hydraulic Tractor Fluid (55 Gallon Drum)..... | 108-1183    |
| Premium Transmission/Hydraulic Tractor Fluid (5 Gallon Pail) ..... | 108-1184    |
| Leaf Mulching Kit .....                                            | 108-5273    |
| Blade-Rotary, Medium Flow (24.5in).....                            | 110-0621-03 |
| Blade-Rotary, Atomic (24.5in).....                                 | 110-0624-03 |
| 5in Air Cleaner Safety Element.....                                | 114-4057    |
| Work Light Kit .....                                               | 114-5610    |
| Electrical Accessory Kit .....                                     | 115-0019    |
| Hourmeter, Wireless Hourmeter System .....                         | 115-4754    |
| Spark Arrestor .....                                               | 117-3281    |
| Atomic Blade Kit (3 Blade Pack) .....                              | 119-8020    |
| Beacon Kit .....                                                   | 120-0256    |
| Cloth Backrest Extension Kit.....                                  | 120-0567    |
| Auxiliary Power Unit.....                                          | 120-6675    |
| Registration Plate Kit .....                                       | 120-6678    |
| Weight Transfer Kit .....                                          | 120-6683    |
| Premium Engine Oil 15w40 (55 Gallon Drum) .....                    | 121-6394    |
| Premium Engine Oil 15w40 (5 Gallon Pail) .....                     | 121-6395    |
| 400-hour Filter Maintenance Kit.....                               | 30052       |
| MVP Filter Kit.....                                                | 30261       |
| 72in Base Deck.....                                                | 30353       |
| 72in Side Discharge Mower (CE).....                                | 30354       |
| V-Plow Mounting Kit.....                                           | 30378       |
| 72in Side Discharge Deck.....                                      | 30481       |
| Quick Attach Front Frame .....                                     | 30509       |
| Road Light Kit (Europe) .....                                      | 30516       |
| Road Light Kit, (North American) .....                             | 30517       |
| Speed Reduction Kit .....                                          | 30547       |
| Jack Stand Kit.....                                                | 30579       |
| CE Kit, 72in Side Deck With French Guards .....                    | 30679       |
| 48in V-Plow.....                                                   | 30750       |
| 100in Rear Discharge Deck .....                                    | 31101       |
| Winter Attachment Joystick Kit .....                               | 31219       |
| Diagnostic Display Box .....                                       | 85-4750     |

**Notes:**

**Notes:**

**Notes:**



**Count on it.**