



Form No. 3383-192 Rev A

**Count on it.**

# Parts Catalog

## **Groundsmaster® 360**

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

Model No. 31222N—Serial No. 314000001 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

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

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** Liquefied Petroleum Gas

**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

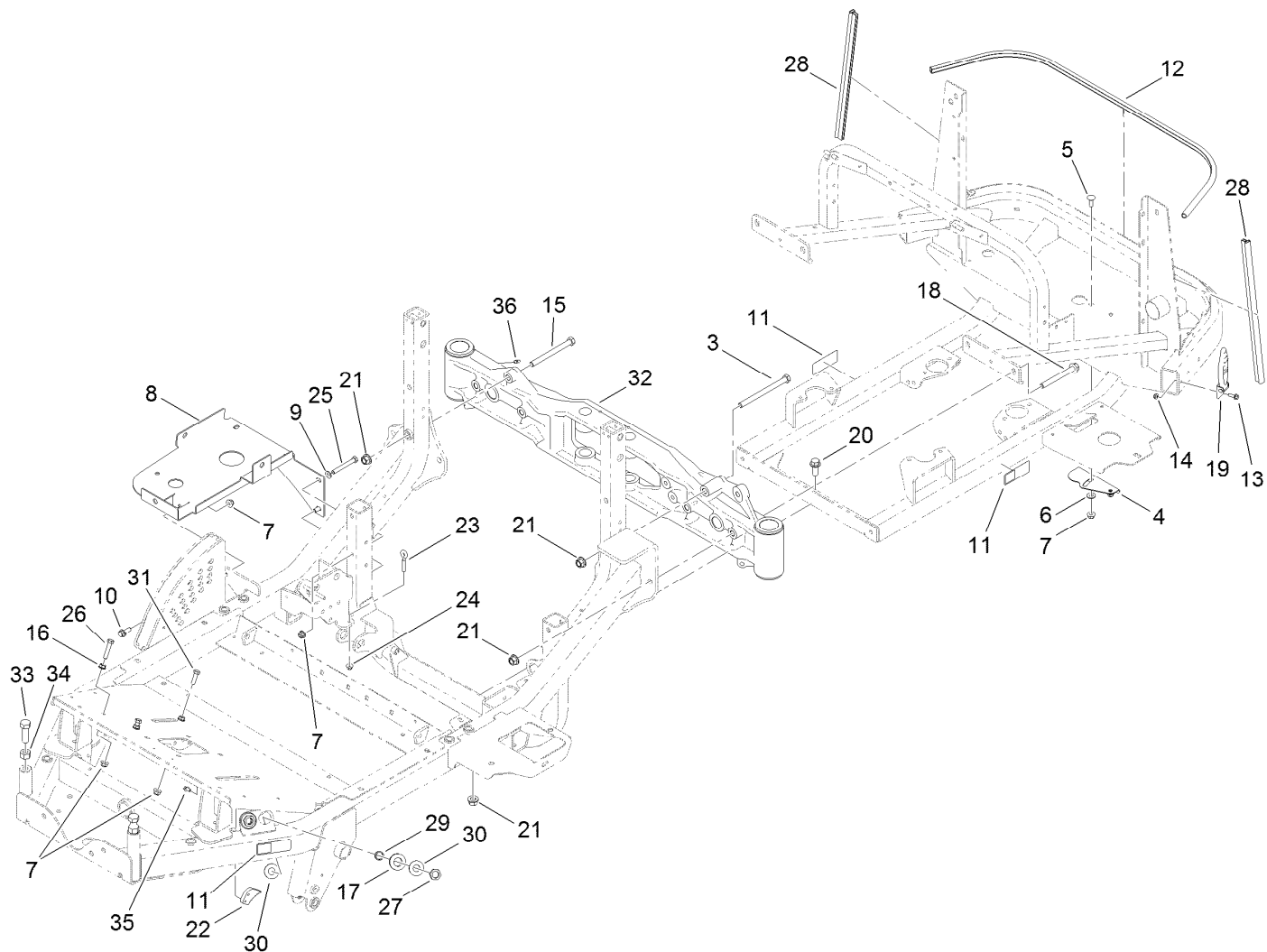
**TTH:** torx truss head

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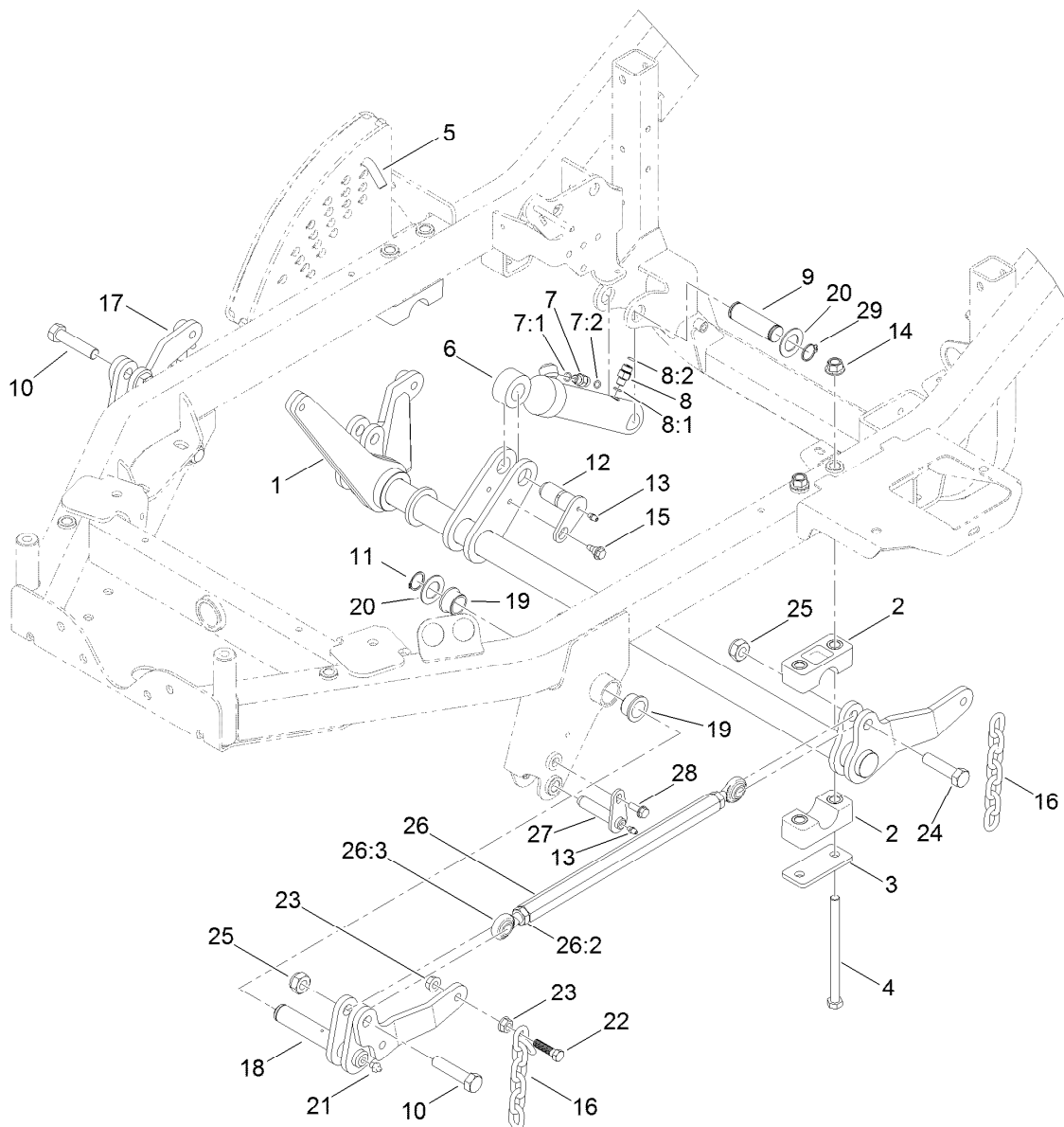
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## Frame and Axle Assembly

| 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-HF              |
| 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           |
| 19   | 103-2898    | 2    | Latch-Rubber        |

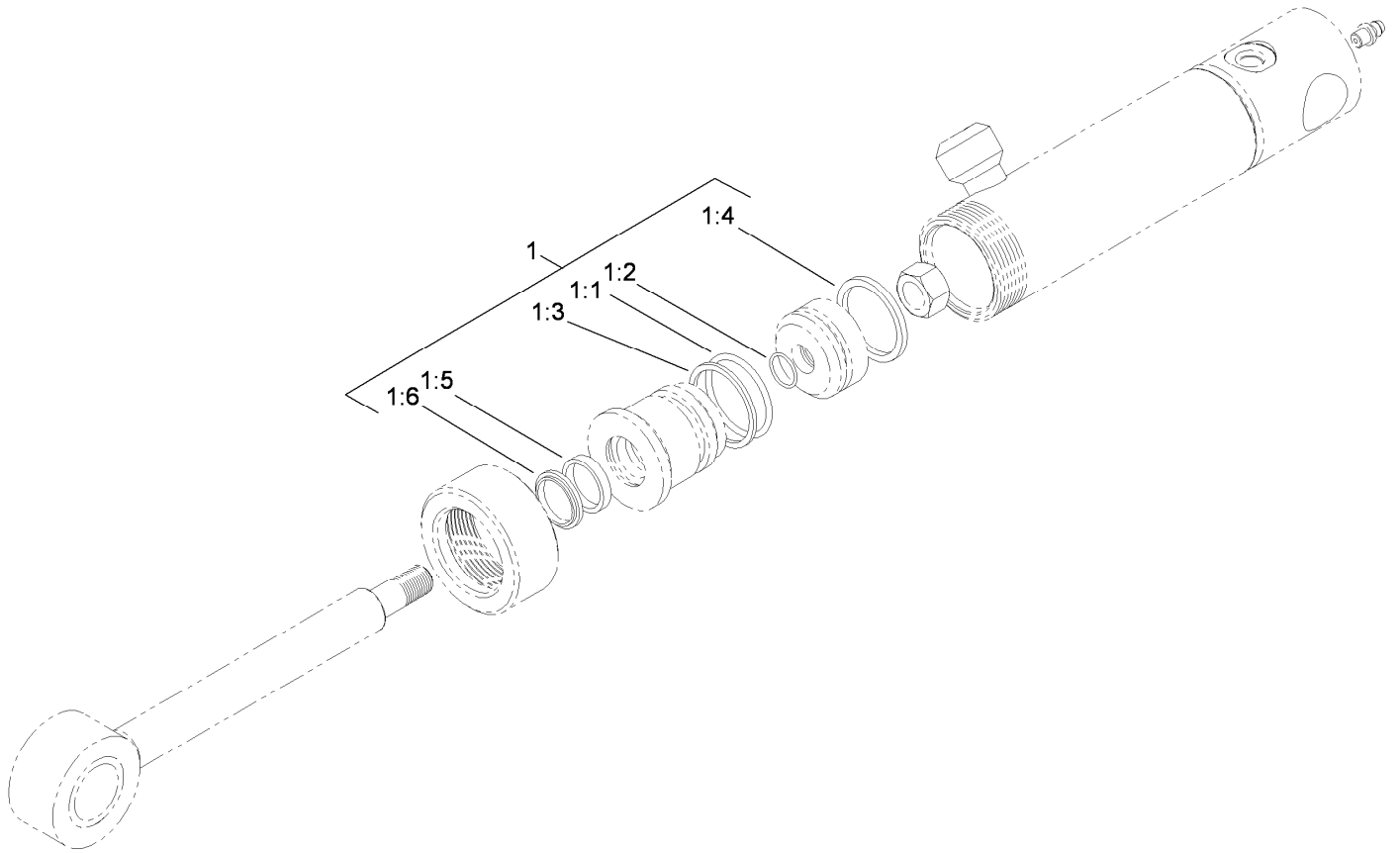
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 20   | 3234-38     | 3    | Screw-HHF          |
| 21   | 99-5107     | 9    | Nut-Lock           |
| 22   | 99-7214     | 1    | Pawl-Brake         |
| 23   | 1-303238    | 1    | Eyebolt-Thread, RH |
| 24   | 104-8300    | 1    | Nut-Flange, NI     |
| 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      | 1    | Fitting-HYD, Straight |
| 7:1  | 237-78      | 1    | O-Ring                |
| 7:2  | 237-21      | 1    | O-Ring                |
| 8    | 95-1639     | 1    | Fitting-HYD           |
| 8:1  | 237-78      | 1    | O-Ring                |
| 8:2  | 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              |

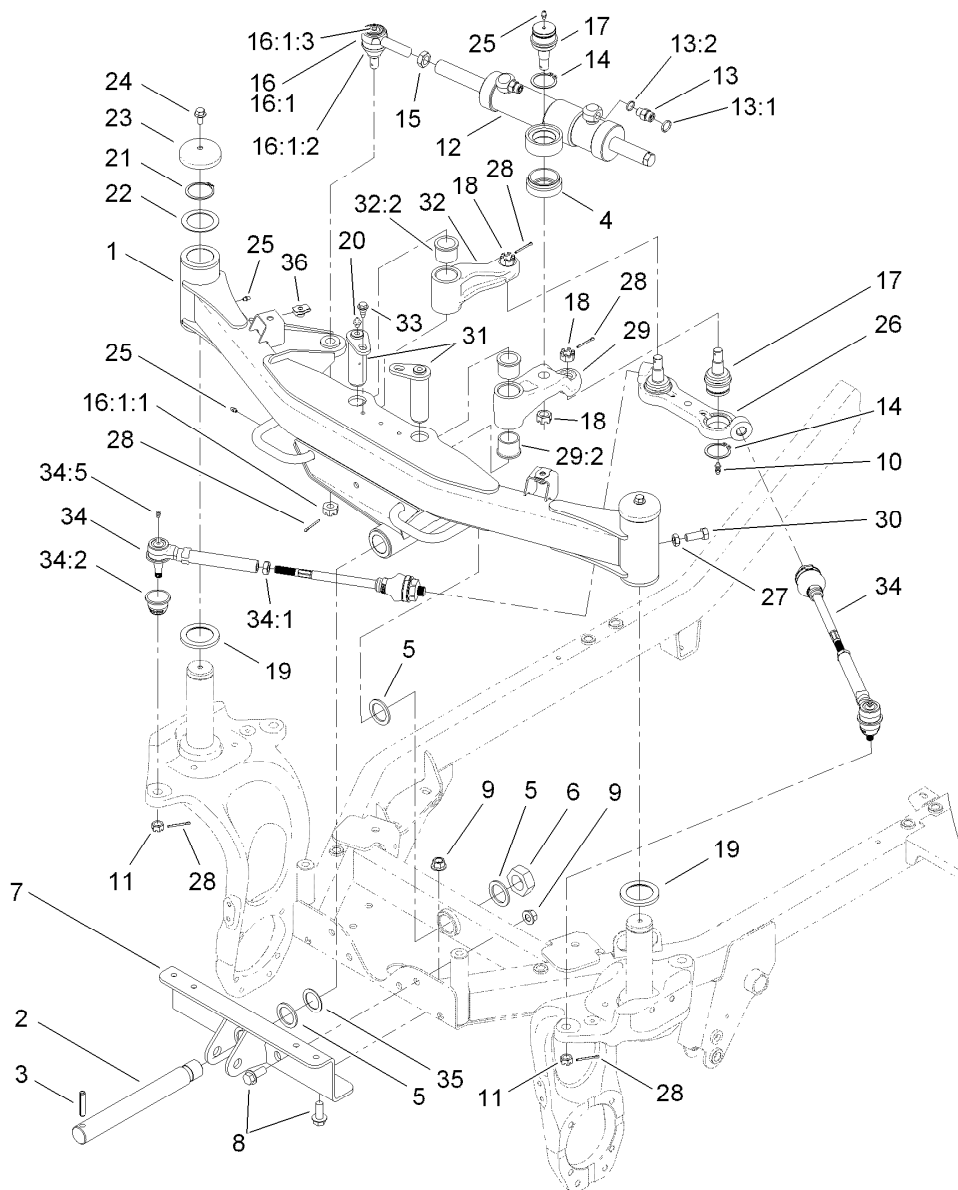
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 15   | 99-5105     | 1    | Bolt-Shoulder       |
| 16   | 119-1385    | 4    | Chain-HOC           |
| 17   | 119-1380-03 | 1    | Lift-RH             |
| 18   | 119-1383-03 | 1    | Lift-LH             |
| 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

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

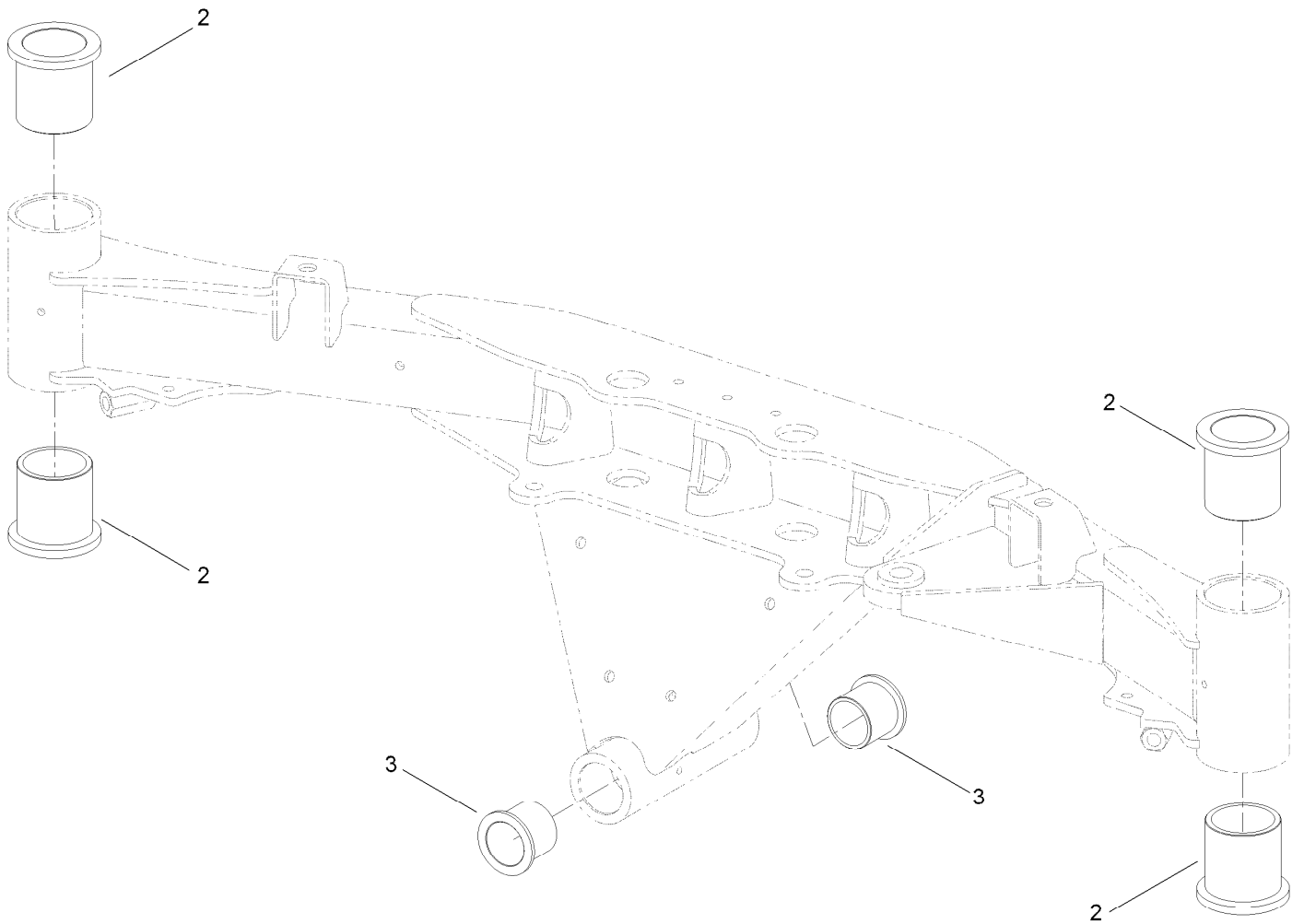
● Not serviced separately





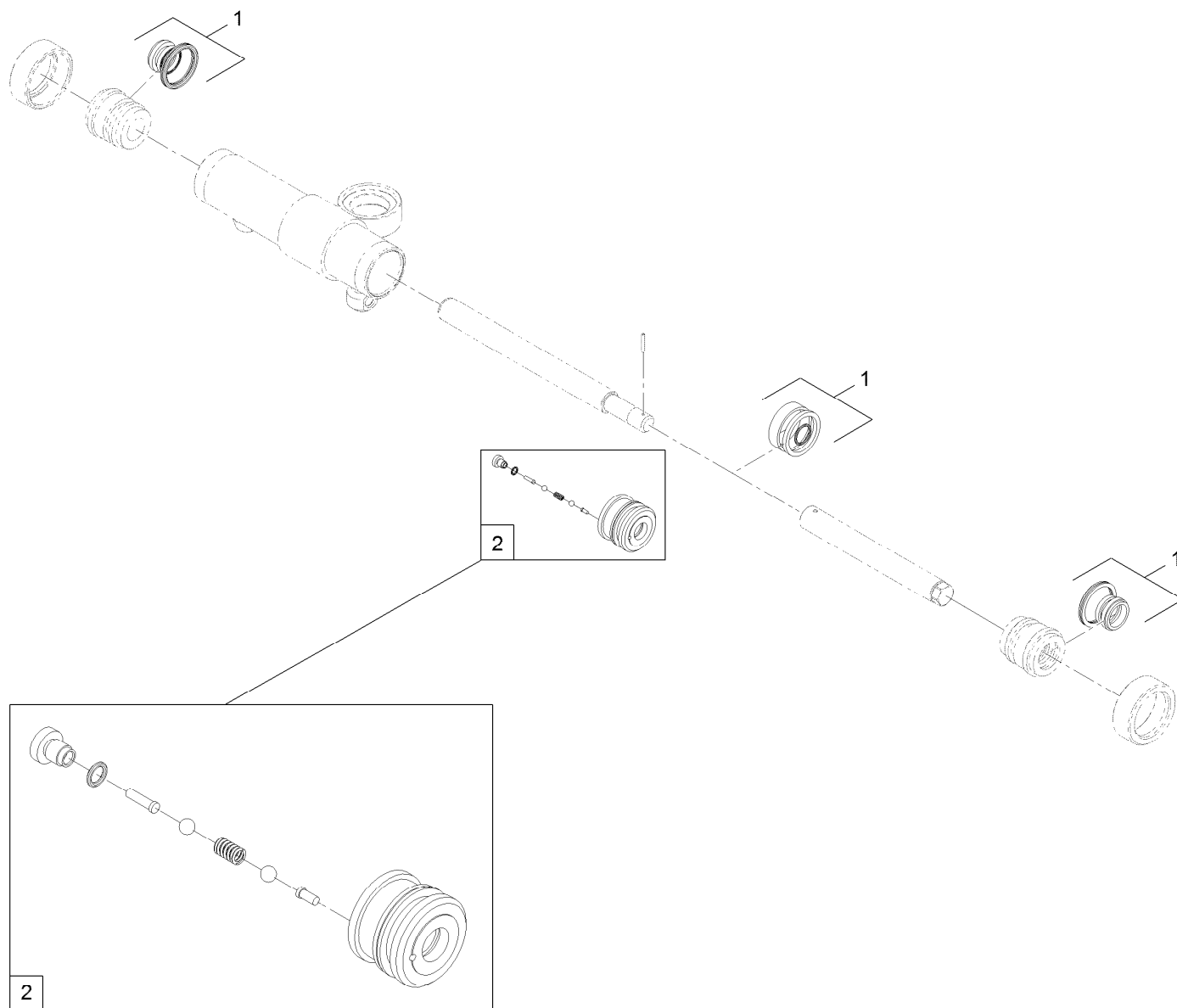
| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b> |
|-------------|--------------------|-------------|--------------------|
| 34:1        | 42-9650            | 1           | Nut-Hex, Jam       |
| 34:2        | 117-3287           | 1           | Dust Boot          |
| 34:5        | 302-5              | 1           | Fitting-Grease     |
| 35          | 93-4628            | 1           | Washer             |
| 36          | 105-4886           | 2           | Nut-Tinnerman      |

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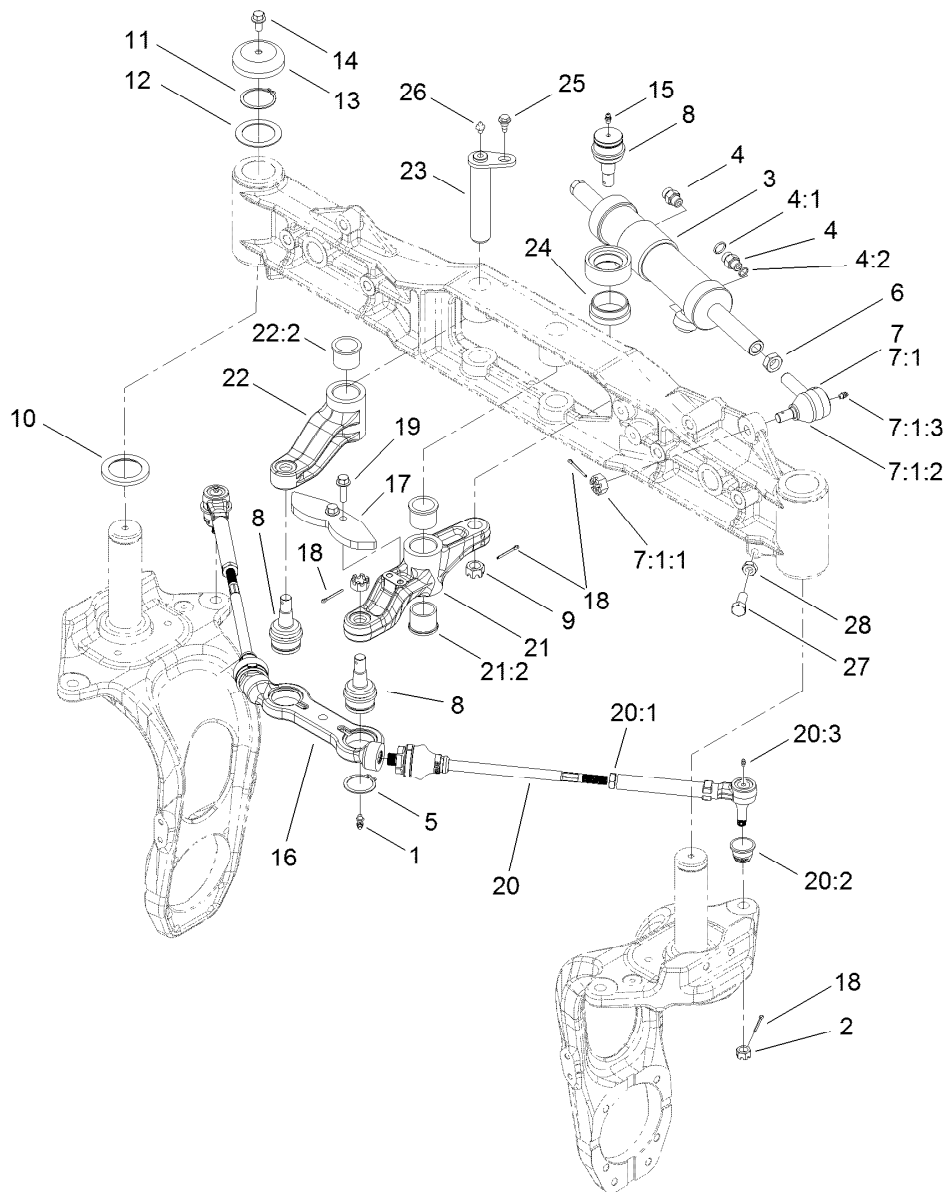
## Front Axle Assembly No. 119-1447

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 2    | 100-2506    | 4    | Bushing-Castor |
| 3    | 69-6470     | 2    | Bushing-Castor |



## Hydraulic Cylinder Assembly No. 115-0060

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 1           | 120-2557           | 1           | Seal Kit               |
| 2           | 120-2556           | 1           | Valve-Check, Rephasing |

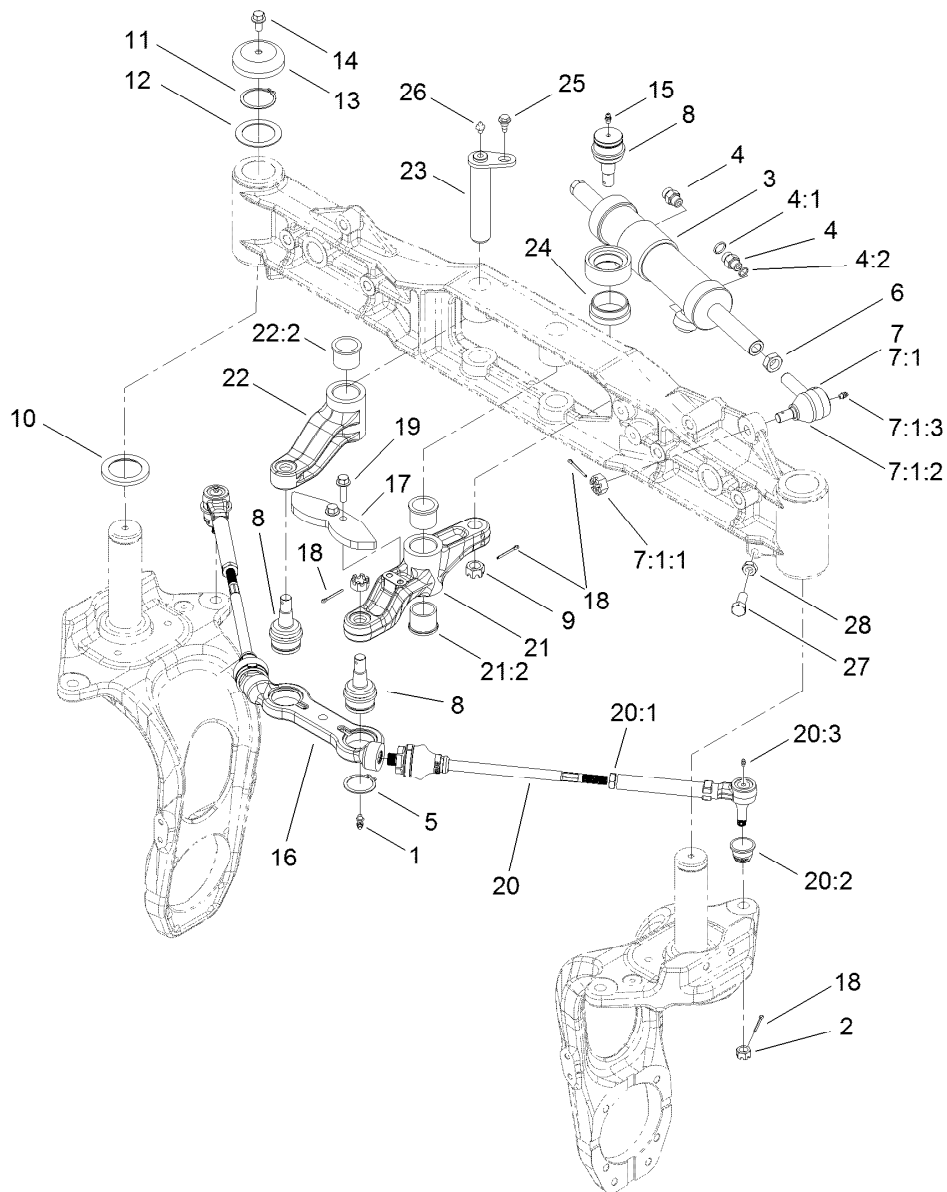


## Rear Steering Assembly

| Ref.  | Part Number | Qty. | Description              |
|-------|-------------|------|--------------------------|
| 1     | 302-60      | 2    | Fitting-Grease           |
| 2     | 32136-3     | 2    | Nut-SHH                  |
| 3     | 115-0060    | 1    | HYD Cylinder ASM         |
| 4     | 340-2       | 2    | Fitting-HYD, Straight    |
| 4:1   | 237-22      | 1    | O-Ring                   |
| 4:2   | 237-42      | 1    | O-Ring                   |
| 5     | 32151-104   | 3    | Ring-Retaining, External |
| 6     | 84-5300     | 1    | Nut-Jam                  |
| 7     | 71-4740-03  | 1    | RH Tie Rod End ASM       |
| 7:1   |             | 1    | End-Rod, Tie (RH)●       |
| 7:1:1 | 105-7941    | 1    | Nut-Hex, Slotted         |
| 7:1:2 | 105-7835    | 1    | Seal                     |
| 7:1:3 | 302-5       | 1    | Fitting-Grease           |
| 8     | 106-6774    | 3    | Joint-Ball               |
| 9     | 32136-2     | 3    | Nut-SHH                  |
| 10    | 100-2508    | 2    | Washer-Thrust            |
| 11    | 100-4196    | 2    | Ring-Retaining           |
| 12    | 115-0169    | 2    | Washer-Thrust            |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 13   | 100-3362    | 2    | Cap-Spindle        |
| 14   | 3234-12     | 2    | Screw-HHF          |
| 15   | 302-5       | 1    | Fitting-Grease     |
| 16   | 117-2986    | 1    | Centerlink         |
| 17   | 117-3376-03 | 1    | Plate-Cam, Pittman |
| 18   | 3272-12     | 6    | Pin-Cotter         |
| 19   | 3234-24     | 2    | Screw-HHF          |
| 20   | 117-2984    | 2    | Rod-Tie, Rear      |
| 20:1 | 42-9650     | 1    | Nut-Hex, Jam       |
| 20:2 | 117-3287    | 1    | Dust Boot          |
| 20:3 | 302-5       | 1    | Fitting-Grease     |
| 21   | 120-0393    | 1    | Rear LH Arm ASM    |
| 21:2 | 94-8947     | 2    | Bushing-Flange     |
| 22   | 120-0392    | 1    | Rear RH Arm ASM    |
| 22:2 | 94-8947     | 2    | Bushing-Flange     |
| 23   | 117-3137    | 2    | Pin ASM            |
| 24   | 120-0238    | 1    | Spacer-Cylinder    |
| 25   | 99-5105     | 2    | Bolt-Shoulder      |

● Not serviced separately

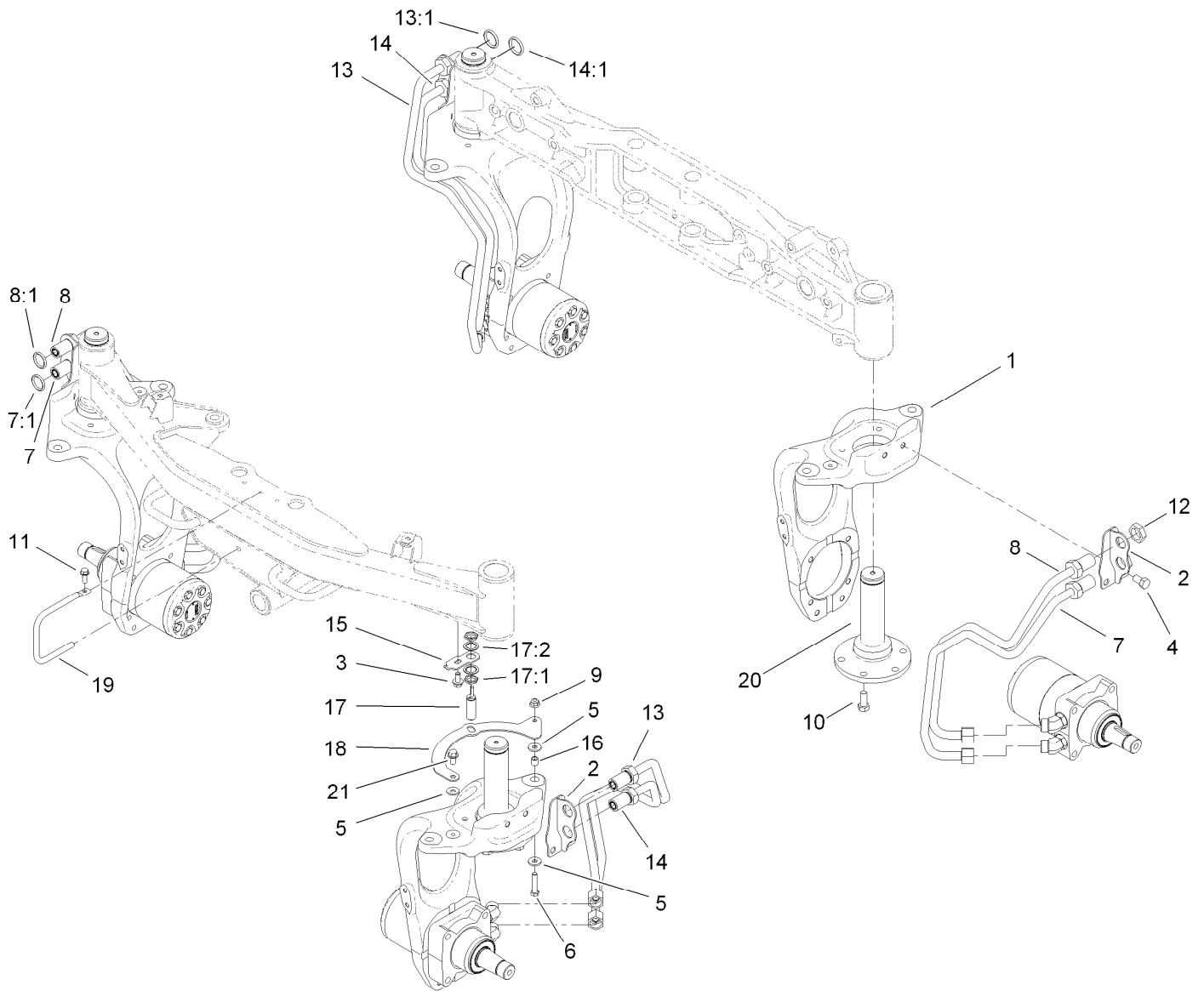


## Rear Steering Assembly (continued)

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 26   | 302-2       | 2    | Fitting-Grease |

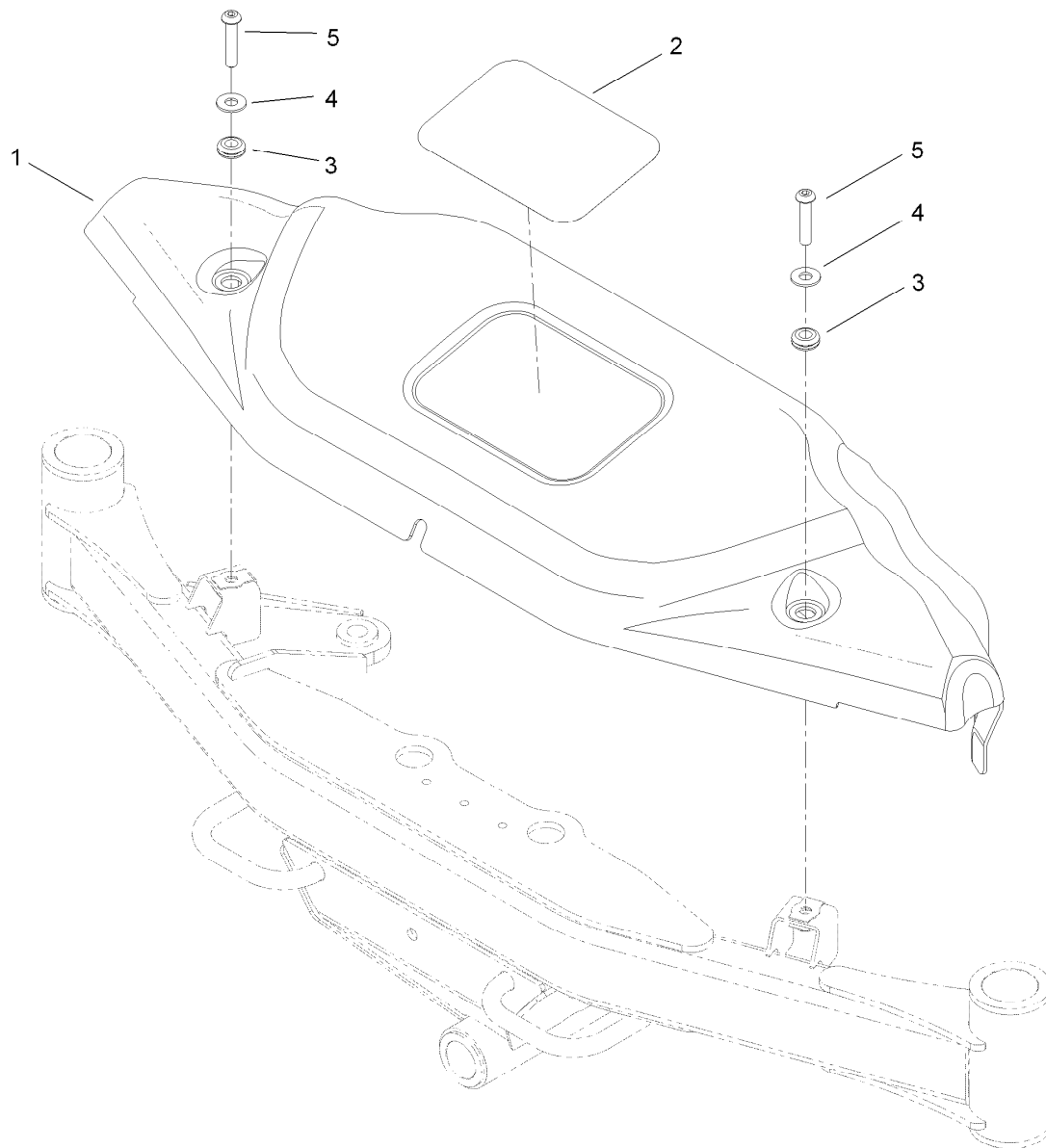
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 27   | 325-6       | 2    | Screw-HH    |
| 28   | 3218-5      | 2    | Nut-Jam     |

● Not serviced separately



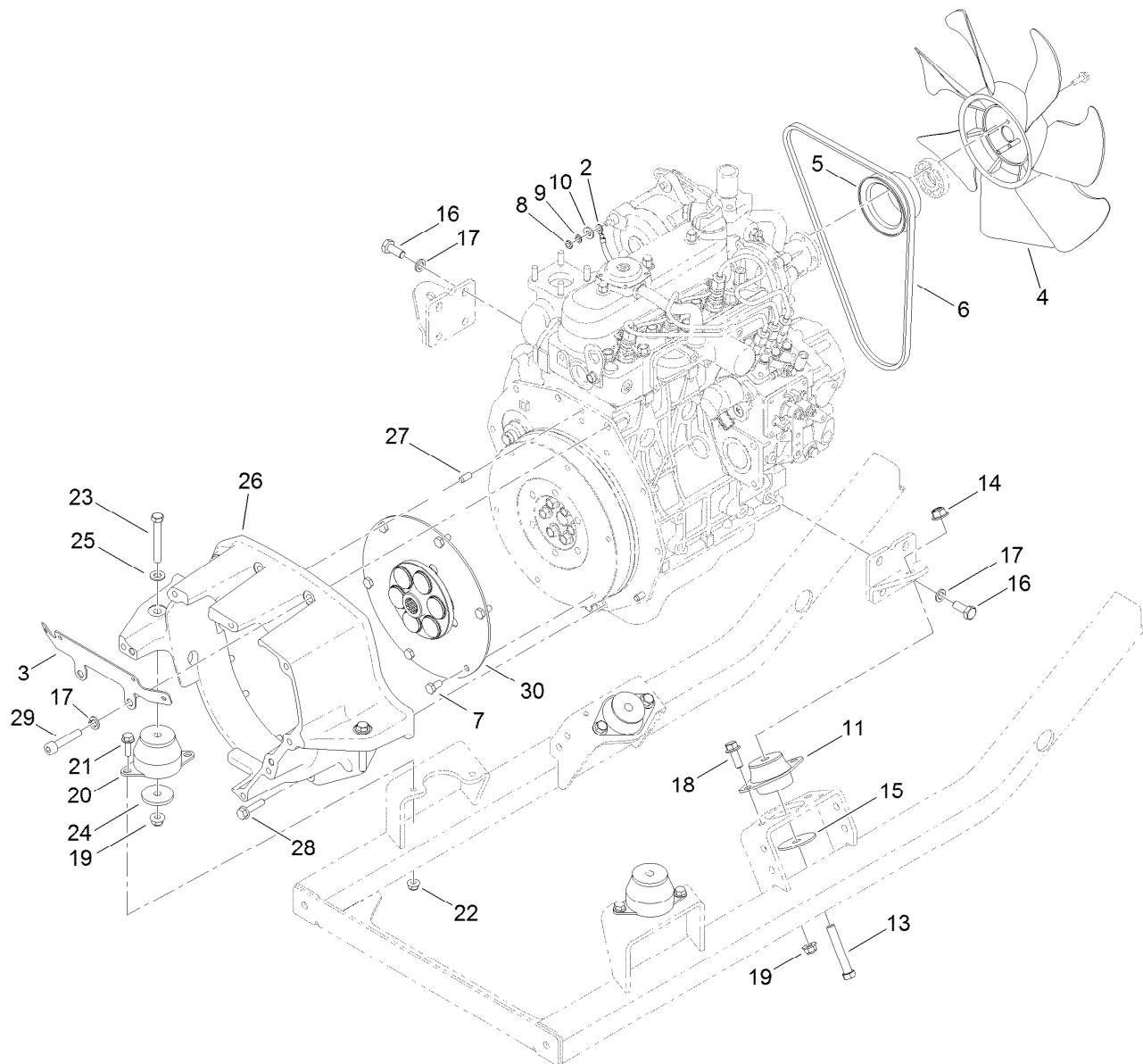
## 4 Wheel Drive Steering Assembly

| 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  |

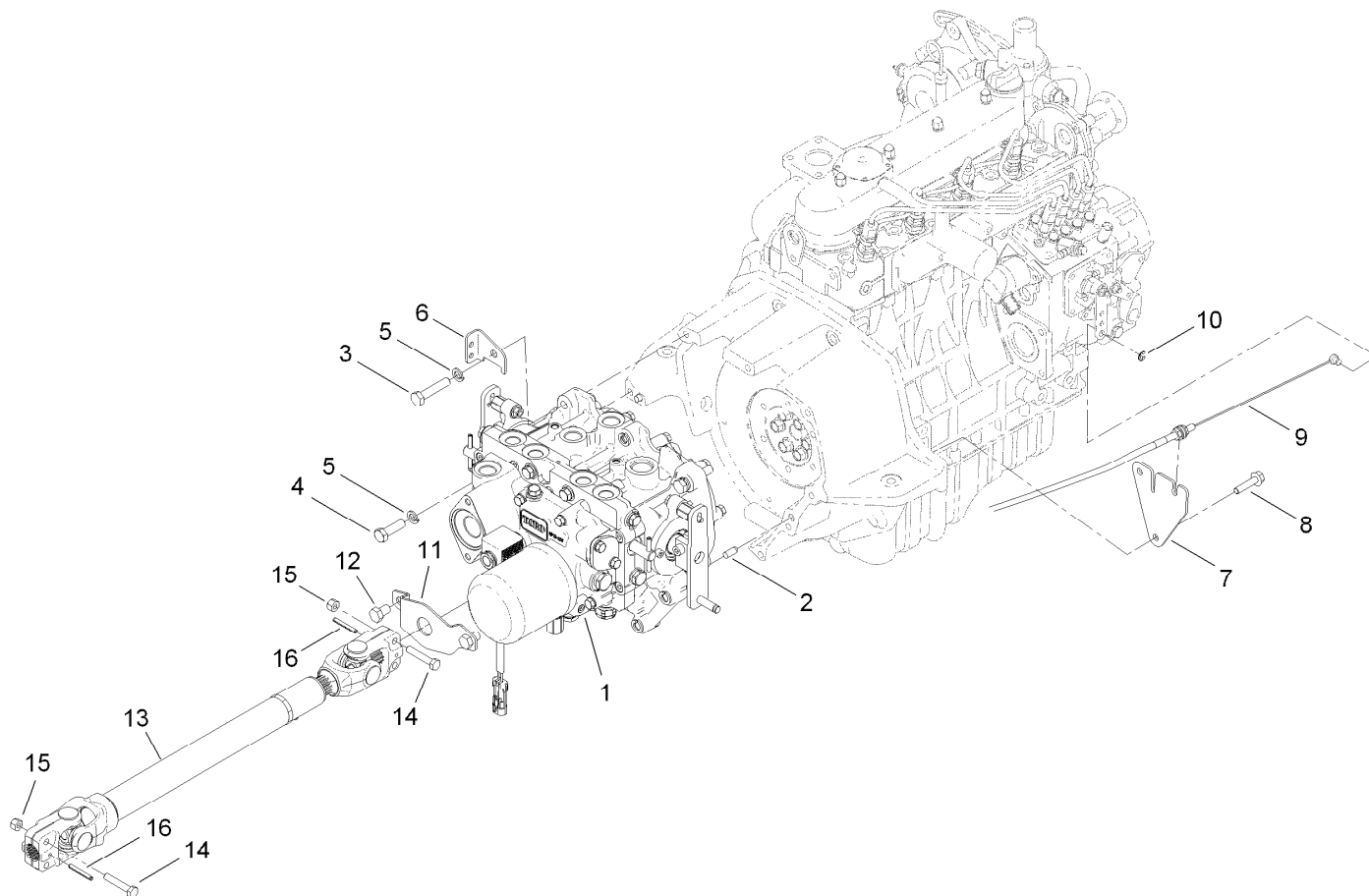


## Engine Component Assembly

| 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   | 108-5193    | 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 |

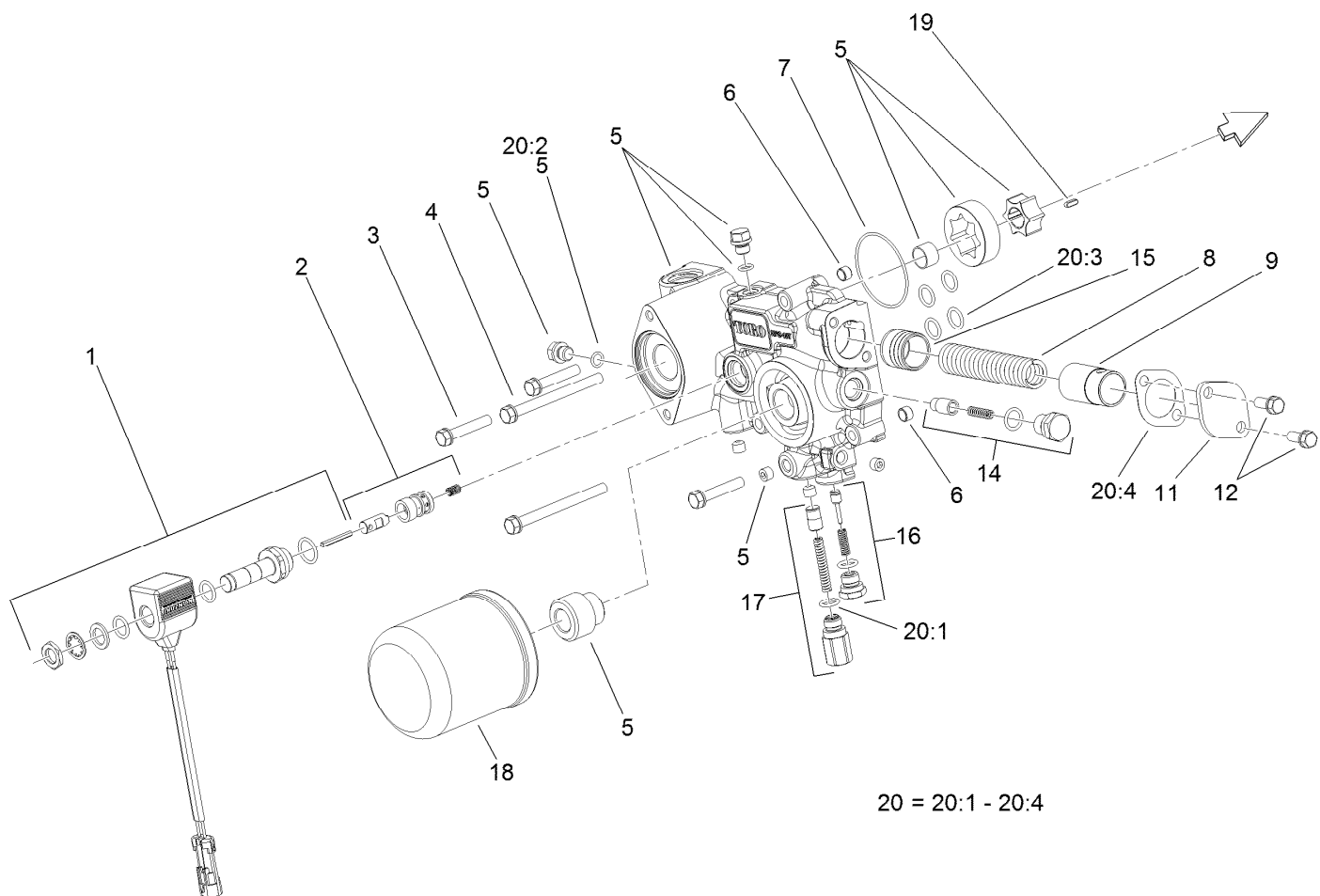




## Transmission Component Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 120-9140    | 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        |

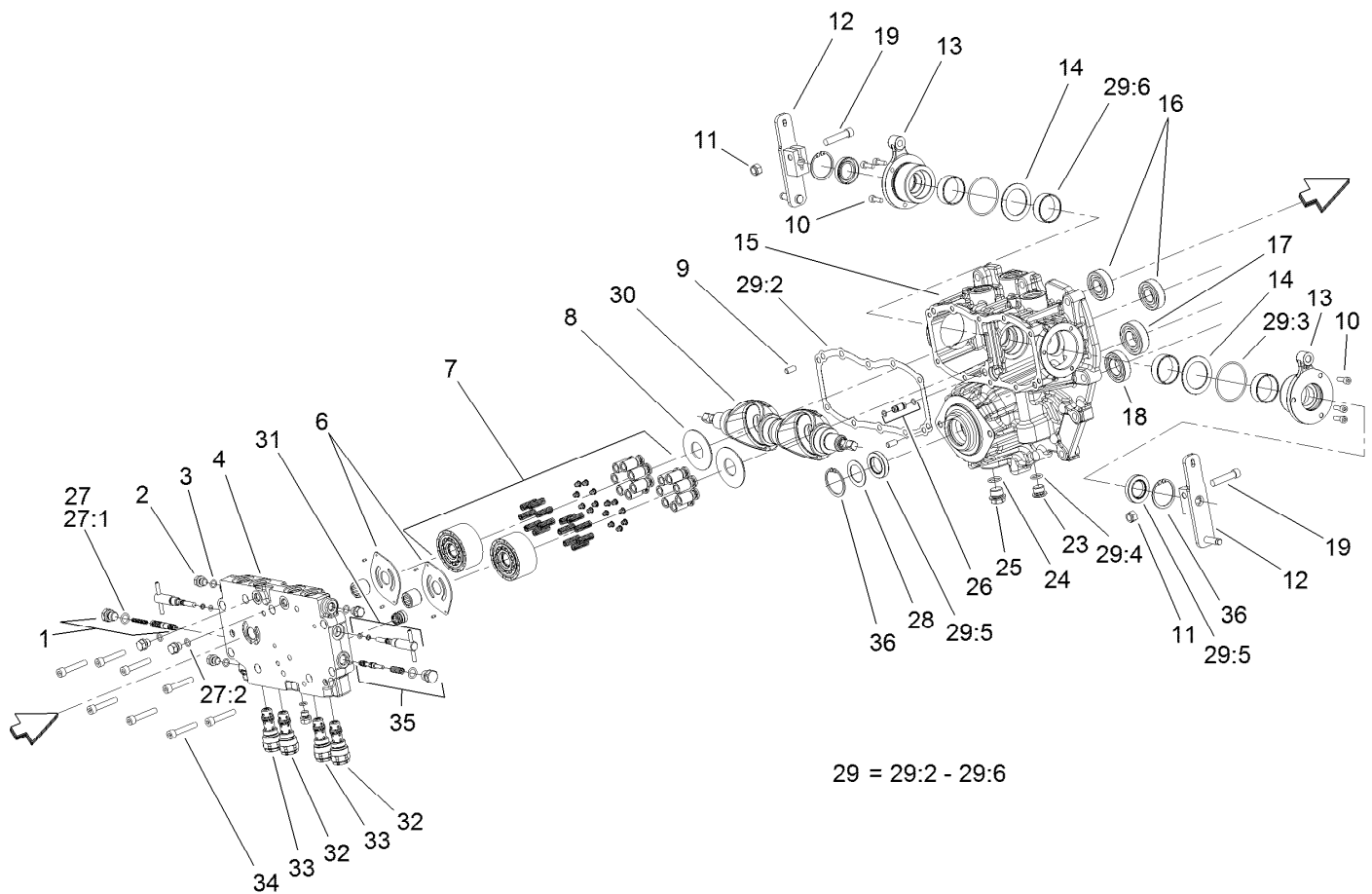
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 9    | 115-0339    | 1    | Cable-Throttle/Choke |
| 10   | 701197      | 1    | E-Ring               |
| 11   | 114-4088    | 1    | Shield-Seal          |
| 12   | 33115-016   | 2    | Screw-HH             |
| 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. 120-9140

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 107-0851    | 1    | Solenoid ASM        |
| 2    | 107-0850    | 1    | Solenoid Valve ASM  |
| 3    | 107-0863    | 3    | Bolt                |
| 4    | 107-0864    | 2    | Bolt                |
| 5    | 107-0840    | 1    | Pump Body ASM       |
| 6    | 107-0848    | 2    | Pin                 |
| 7    | 107-0856    | 1    | O-Ring              |
| 8    | 107-0845    | 1    | Spring              |
| 9    | 107-0844    | 1    | Collar              |
| 11   | 107-0846    | 1    | Cover               |
| 12   | 93-0457     | 2    | Bolt And Washer ASM |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 14   | 107-0843    | 1    | Filter Bypass Valve ASM |
| 15   | 107-0818    | 1    | Piston                  |
| 16   | 120-5153    | 1    | Charge Relief Valve ASM |
| 17   | 107-0841    | 1    | Pressure Valve ASM      |
| 18   | 108-5194    | 1    | Filter-Oil, HYD         |
| 19   | 107-0865    | 1    | Key                     |
| 20   | 107-0855    | 1    | Charge Pump Seal Kit    |
| 20:1 | 93-0418     | 2    | O-Ring                  |
| 20:2 | 107-0817    | 2    | O Ring-Plug             |
| 20:3 | 104-3298    | 6    | Packing                 |
| 20:4 | 107-0847    | 1    | Gasket                  |

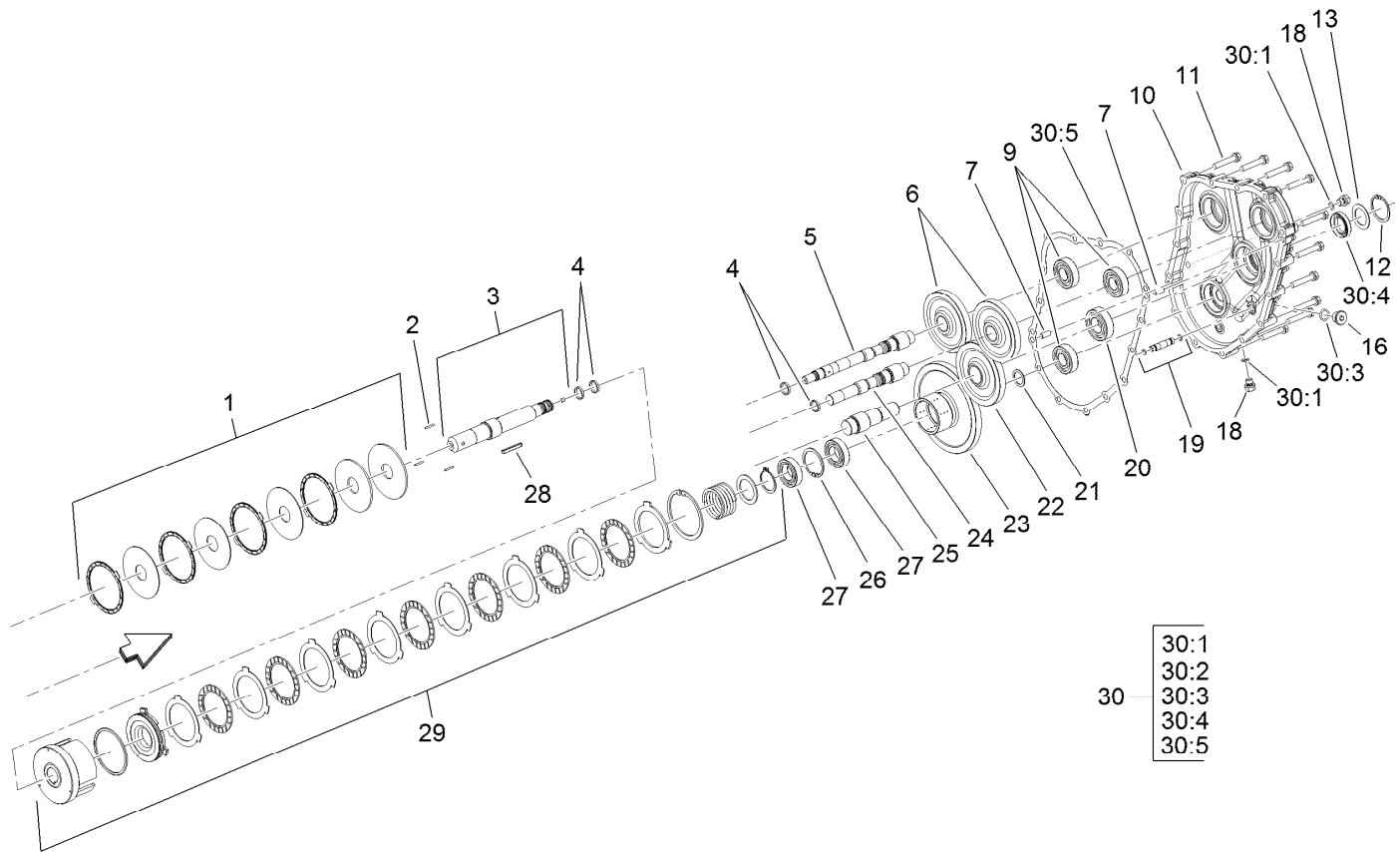


29 = 29:2 - 29:6

## Center Section Assembly Transmission Assembly No. 120-9140

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 107-0807    | 1    | Valve-Flushing, RH |
| 2    | 107-0857    | 6    | Plug               |
| 3    | 107-0817    | 6    | O Ring-Plug        |
| 4    | 120-5150    | 1    | Center Case ASM    |
| 6    | 107-0805    | 2    | Plate-Valve        |
| 7    | 107-0824    | 2    | Cylinder Block ASM |
| 8    | 107-0830    | 2    | Plate-Thrust       |
| 9    | 92-0765     | 4    | Pin-Parallel       |
| 10   | 107-0859    | 6    | Bolt               |
| 11   | 120-6681    | 2    | U-Nut              |
| 12   | 120-6680    | 2    | Arm-Control        |
| 13   | 107-0832    | 2    | Side Cover ASM     |
| 14   | 107-0829    | 2    | Washer             |
| 15   | 120-5151    | 1    | Pump Housing ASM   |
| 16   | 107-0826    | 2    | Bearing            |
| 17   | 107-0821    | 1    | Bearing            |
| 18   | 107-0838    | 1    | Bearing            |
| 19   | 120-6682    | 2    | Bolt (10 X 40)     |
| 23   | 107-0861    | 1    | Plug-NPTF          |
| 24   | 107-0862    | 1    | O-Ring             |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 25   | 107-0867    | 1    | Plug                  |
| 26   | 107-0812    | 1    | Pipe                  |
| 27   | 107-0852    | 1    | Center Case Seal Kit  |
| 27:1 | 93-0418     | 2    | O-Ring                |
| 27:2 | 107-0817    | 6    | O Ring-Plug           |
| 28   | 107-0813    | 1    | Spacer                |
| 29   | 107-0853    | 1    | Pump Housing Seal Kit |
| 29:2 | 107-0810    | 1    | Gasket-Case, Center   |
| 29:3 | 107-0817    | 2    | O Ring-Plug           |
| 29:4 | 104-3298    | 1    | Packing               |
| 29:5 | 107-0814    | 3    | Seal                  |
| 29:6 | 107-0825    | 4    | Ring-Seal             |
| 30   | 120-6679    | 2    | Plate-Swash           |
| 31   | 107-0808    | 2    | Valve-Bypass          |
| 32   | 120-6754    | 2    | Valve-Rear            |
| 33   | 107-0803    | 2    | Valve-Front           |
| 34   | 107-0863    | 8    | Bolt                  |
| 35   | 107-0806    | 1    | Valve-Flushing, LH    |
| 36   | 92-0757     | 2    | Ring-Snap             |

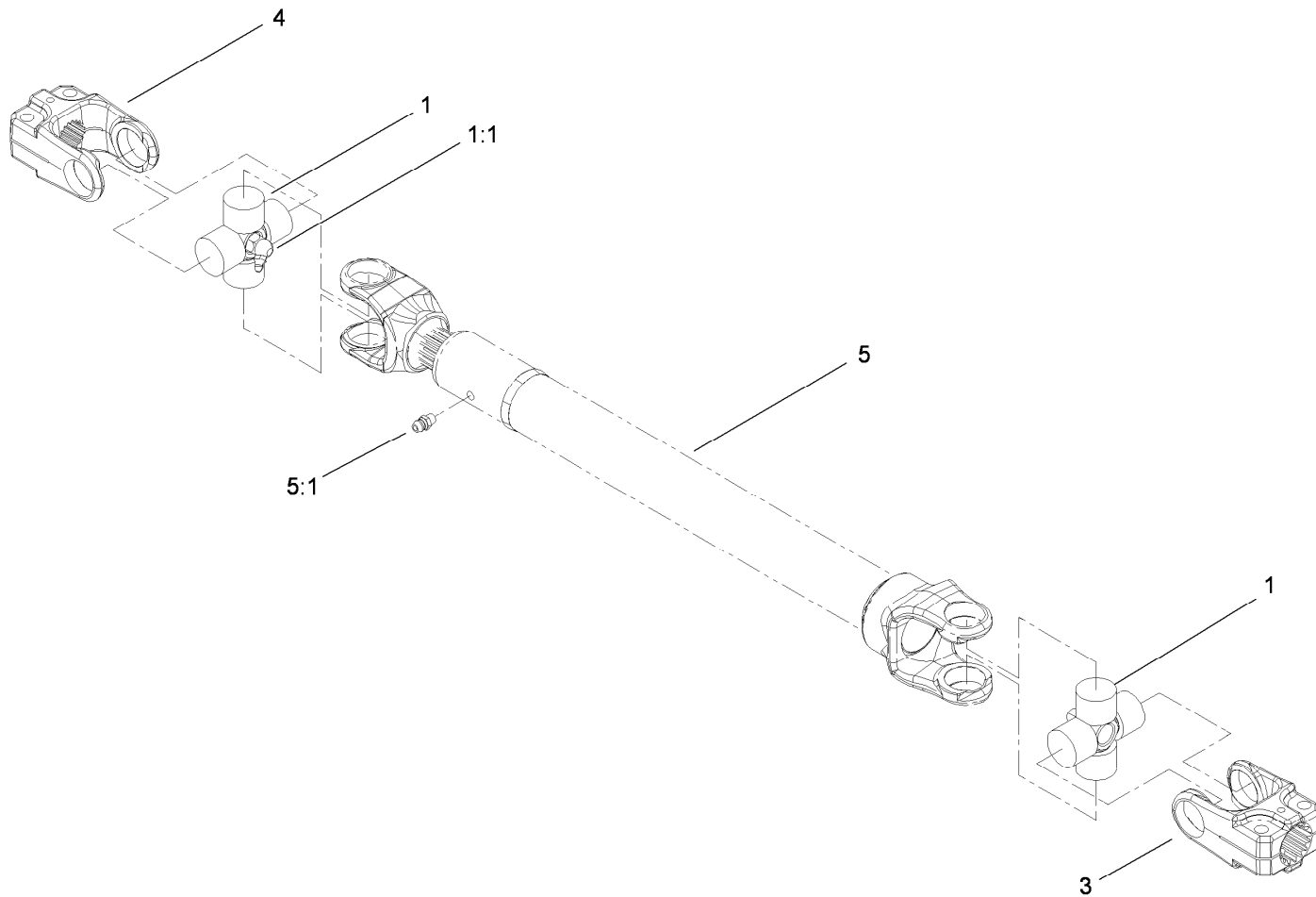


## Gear Case and Clutch Assembly Transmission Assembly No. 120-9140

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 107-0839    | 1    | PTO Brake ASM      |
| 2    | 107-0837    | 3    | Rod-Push           |
| 3    | 107-0833    | 1    | PTO Shaft ASM      |
| 4    | 107-0825    | 2    | Ring-Seal          |
| 5    | 107-0827    | 1    | Shaft-Pump         |
| 6    | 107-0823    | 2    | Gear-Pump          |
| 7    | 92-0765     | 4    | Pin-Parallel       |
| 9    | 107-0826    | 4    | Bearing            |
| 10   | 120-5152    | 1    | Housing-Case, Gear |
| 11   | 107-0863    | 13   | Bolt               |
| 12   | 92-0757     | 1    | Ring-Snap          |
| 13   | 107-0813    | 1    | Spacer             |
| 16   | 107-0861    | 1    | Plug-NPTF          |
| 18   | 107-0857    | 6    | Plug               |
| 19   | 107-0811    | 1    | Pipe               |
| 20   | 107-0821    | 2    | Bearing            |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 21   | 107-0836    | 1    | Spacer                |
| 22   | 107-0820    | 1    | Gear-Input            |
| 23   | 107-0834    | 1    | Gear-PTO              |
| 24   | 107-0822    | 1    | Shaft-Pump            |
| 25   | 107-0819    | 1    | Shaft-Input           |
| 26   | 92-0758     | 1    | Ring-Snap             |
| 27   | 107-0838    | 3    | Bearing               |
| 28   | 107-0866    | 1    | Key                   |
| 29   | 107-0835    | 1    | Clutch Cylinder ASM   |
| 30   | 107-0854    | 1    | Gear Housing Seal Kit |
| 30:1 | 107-0817    | 2    | O Ring-Plug           |
| 30:2 |             | 2    | O-Ring ●              |
| 30:3 | 104-3298    | 1    | Packing               |
| 30:4 | 107-0814    | 1    | Seal                  |
| 30:5 | 107-0816    | 1    | Gasket-Housing, Gear  |

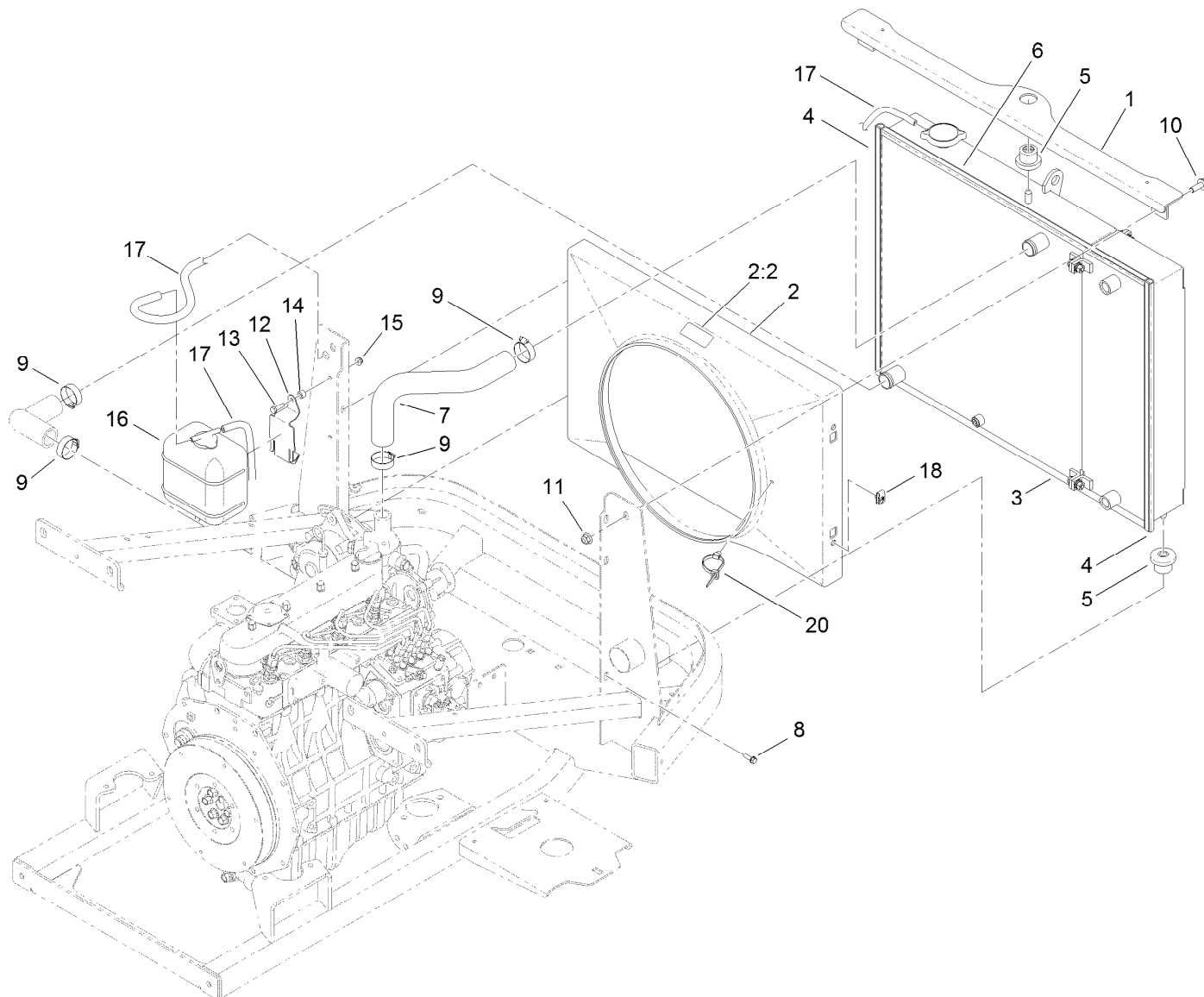
● Not serviced separately



## 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

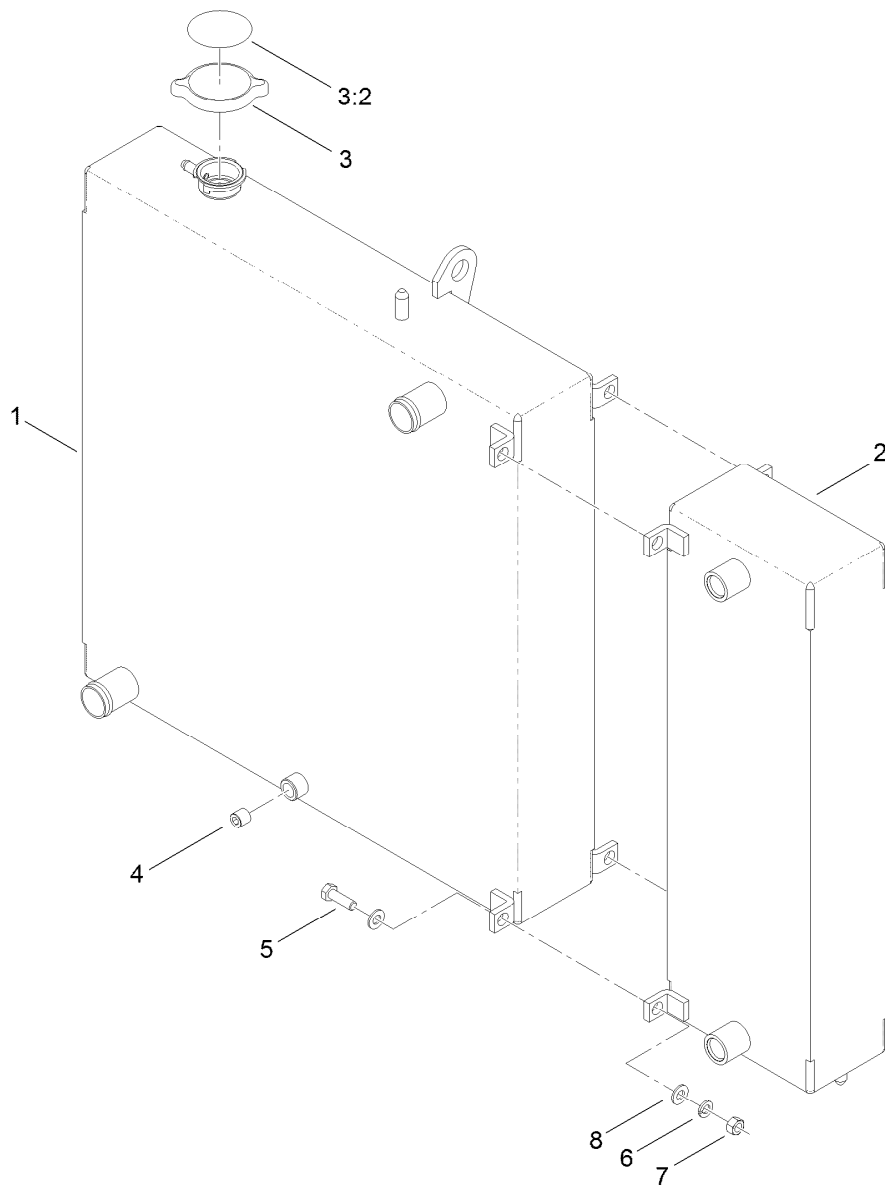


## Radiator Component Assembly

| 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                |

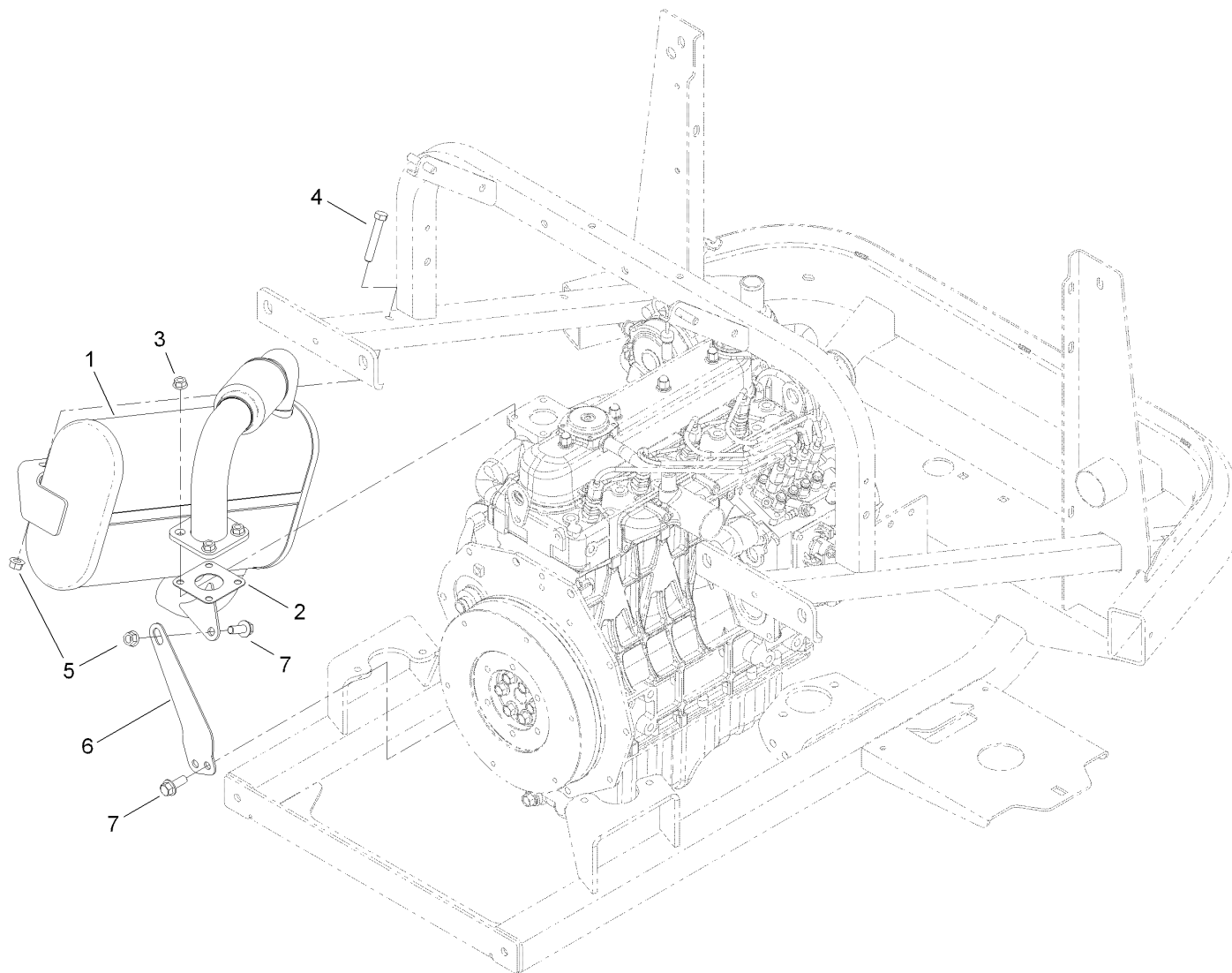
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 3234-42     | 2    | Screw-HHF       |
| 11   | 104-8301    | 2    | Nut-Flange, NI  |
| 12   | 108-9930-03 | 1    | Bracket-Bottle  |
| 13   | 321-5       | 2    | Screw-HH        |
| 14   | 98-4799     | 2    | Spacer          |
| 15   | 104-7201    | 2    | Nut-HF          |
| 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

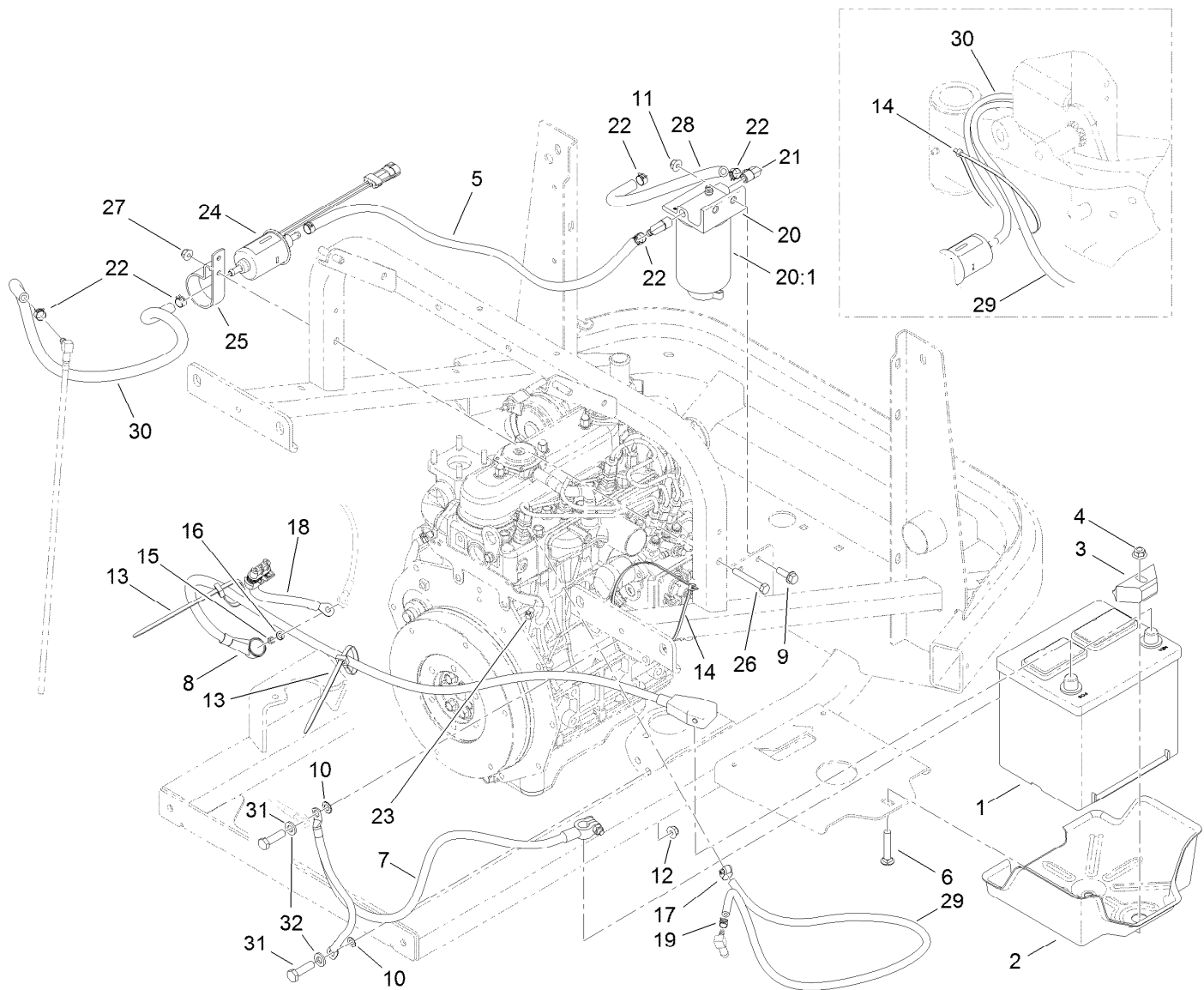
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 115-0050    | 1    | Radiator         |
| 2    | 115-0051    | 1    | Cooler           |
| 3    | 119-1430    | 1    | Radiator Cap ASM |
| 3:2  | 117-3276    | 1    | Decal-Danger     |
| 4    | 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          |

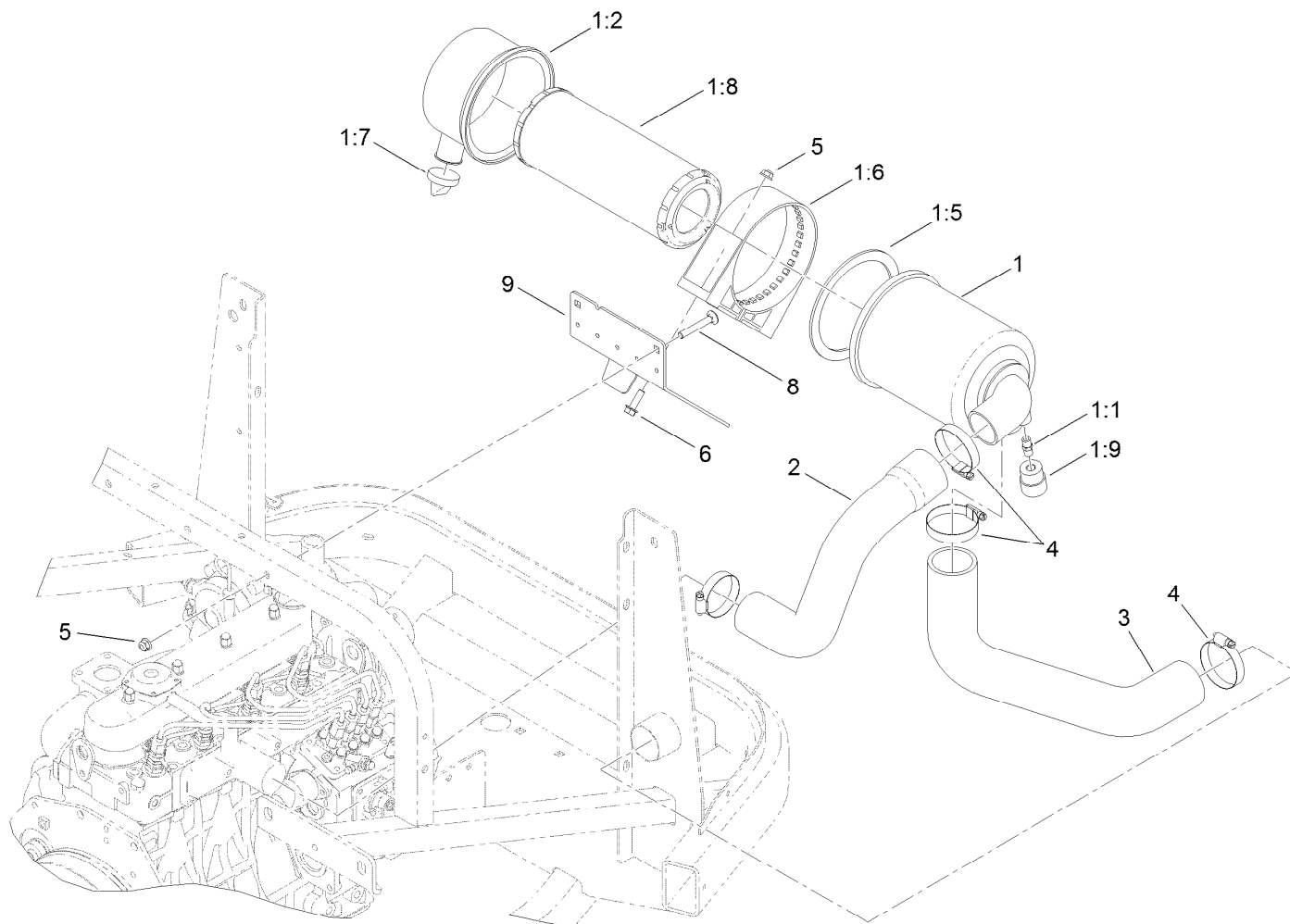




## Battery and Fuel Delivery Assembly

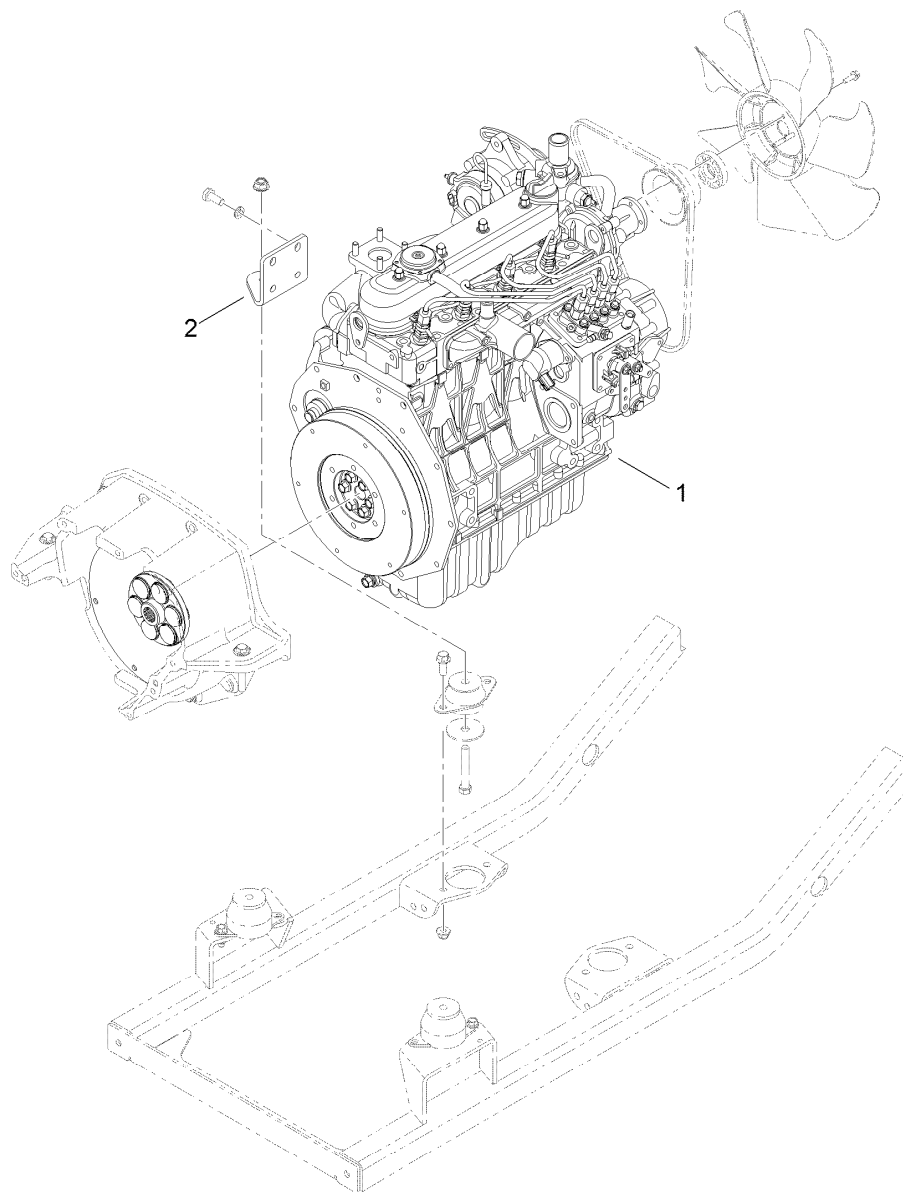
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 106-5187    | 1    | Battery-Dry             |
| 2    | 117-3027    | 1    | Tray-Battery            |
| 3    | 66-2490     | 1    | Retainer-Battery        |
| 4    | 104-8301    | 1    | Nut-Flange, NI          |
| 5    | 109-0274    | 1    | Hose-Fuel               |
| 6    | 3231-6      | 1    | Screw-CARR              |
| 7    | 105-0040    | 1    | Cable-Battery, Negative |
| 8    | 104-0086    | 1    | Cable-Battery, Positive |
| 9    | 3234-17     | 2    | Screw-HHF               |
| 10   | 3255-8      | 2    | Washer-Lock             |
| 11   | 104-8300    | 2    | Nut-Flange, NI          |
| 12   | 32128-25    | 2    | Nut-HF                  |
| 13   | 3290-378    | 2    | Tie-Cable               |
| 14   | 3290-379    | 1    | Tie-Cable               |
| 15   | 33014-00    | 1    | Nut-Hex                 |
| 16   | 3253-4      | 1    | Washer-Lock             |
| 17   | 2412-108    | 1    | Clamp-Worm              |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 18   | 99-3441     | 1    | Harness-Wire, Fusible Link |
| 19   | 2412-80     | 1    | Clamp-Hose                 |
| 20   | 110-9044    | 1    | Separator Filter ASM       |
| 20:1 | 110-9049    | 1    | Filter-Spin On             |
| 21   | 353-781     | 2    | Fitting-Elbow              |
| 22   | 92-2379     | 6    | Clamp-Hose                 |
| 23   | 32180-030   | 2    | Clip-Tie                   |
| 24   | 110-8806    | 1    | Pump-Fuel                  |
| 25   | 110-8817    | 1    | Bracket-Pump, Fuel         |
| 26   | 321-15      | 1    | Screw-HH                   |
| 27   | 104-7201    | 1    | Nut-HF                     |
| 28   | 110-4105    | 1    | Hose-Fuel                  |
| 29   | 110-3958    | 1    | Hose-Fuel                  |
| 30   | 110-3257    | 1    | Hose-Fuel                  |
| 31   | 322-6       | 2    | Screw-HH                   |
| 32   | 3256-23     | 2    | Washer-Flat                |



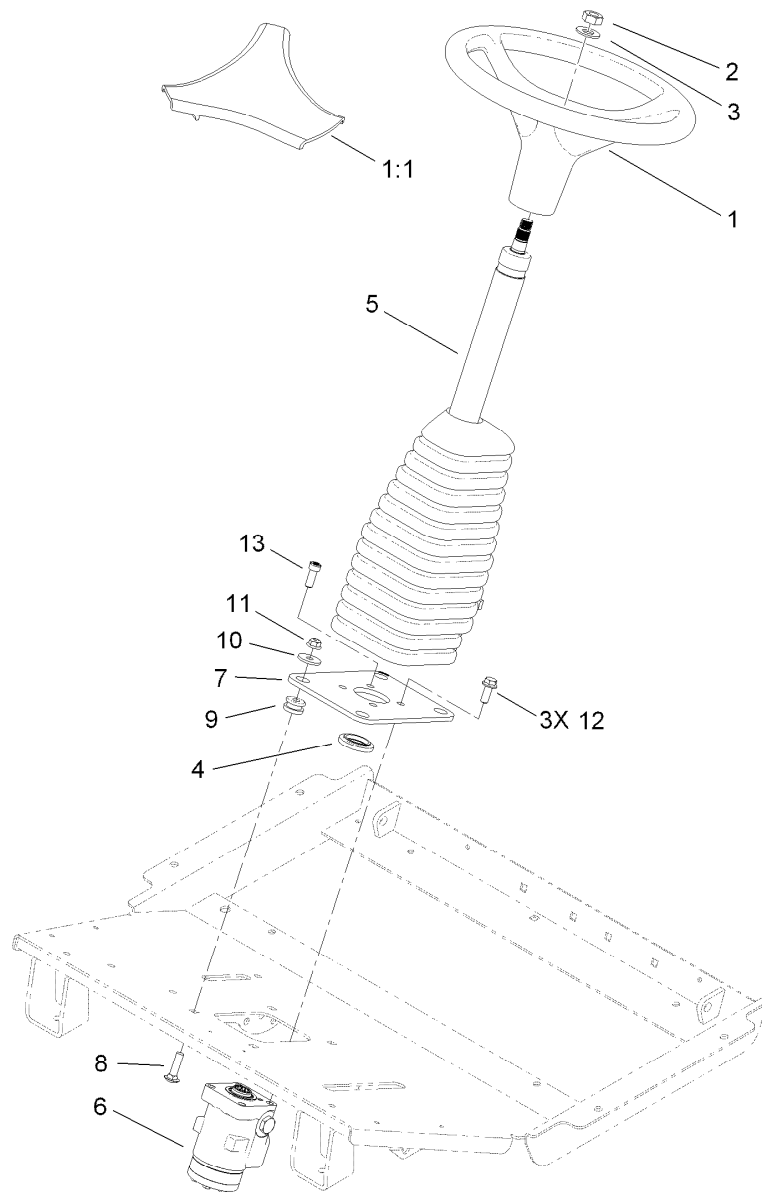
## Air Cleaner Assembly

| 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    | 119-1350-03 | 1    | Plate-Air Cleaner       |



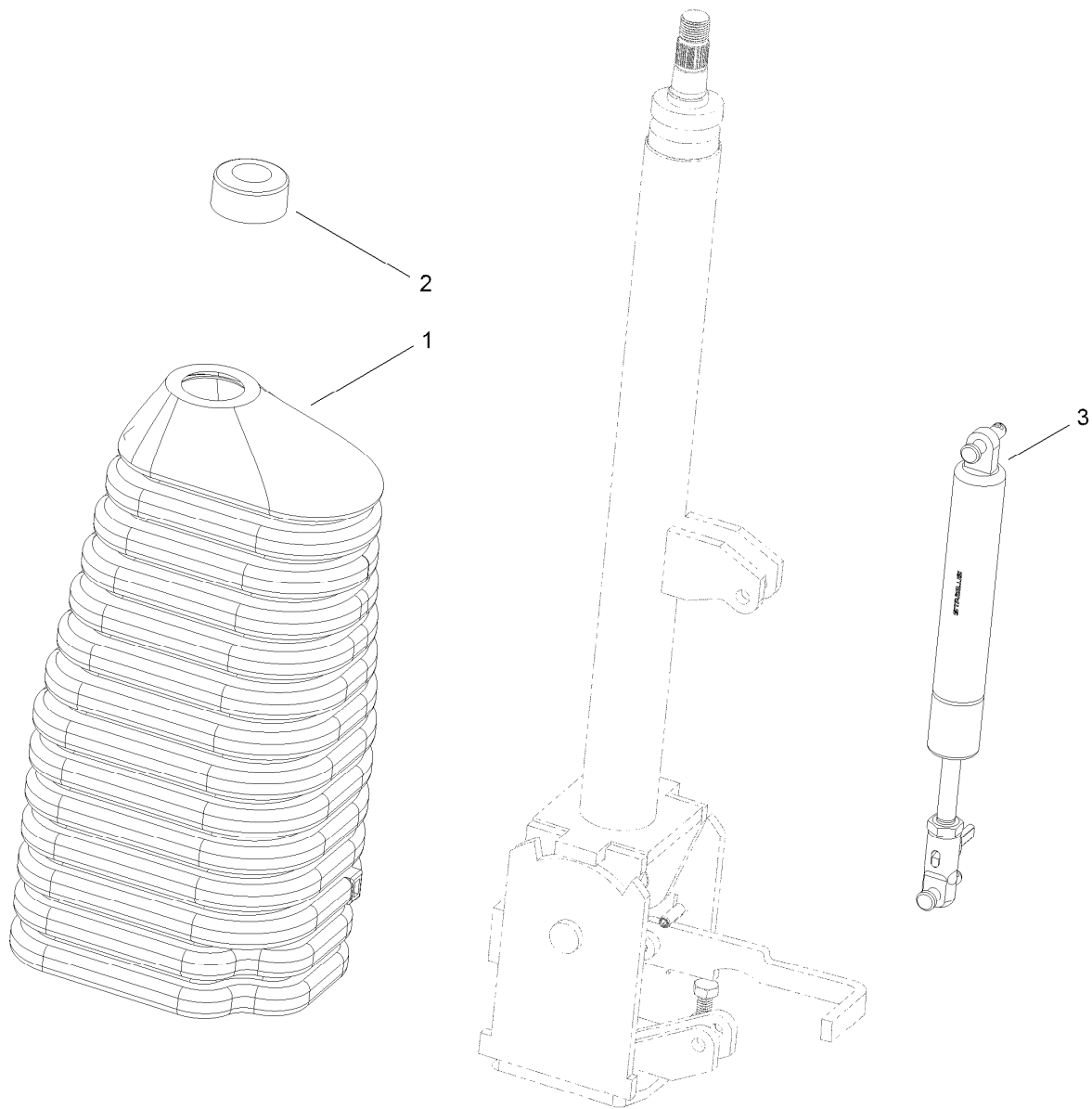
## Engine Assembly

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



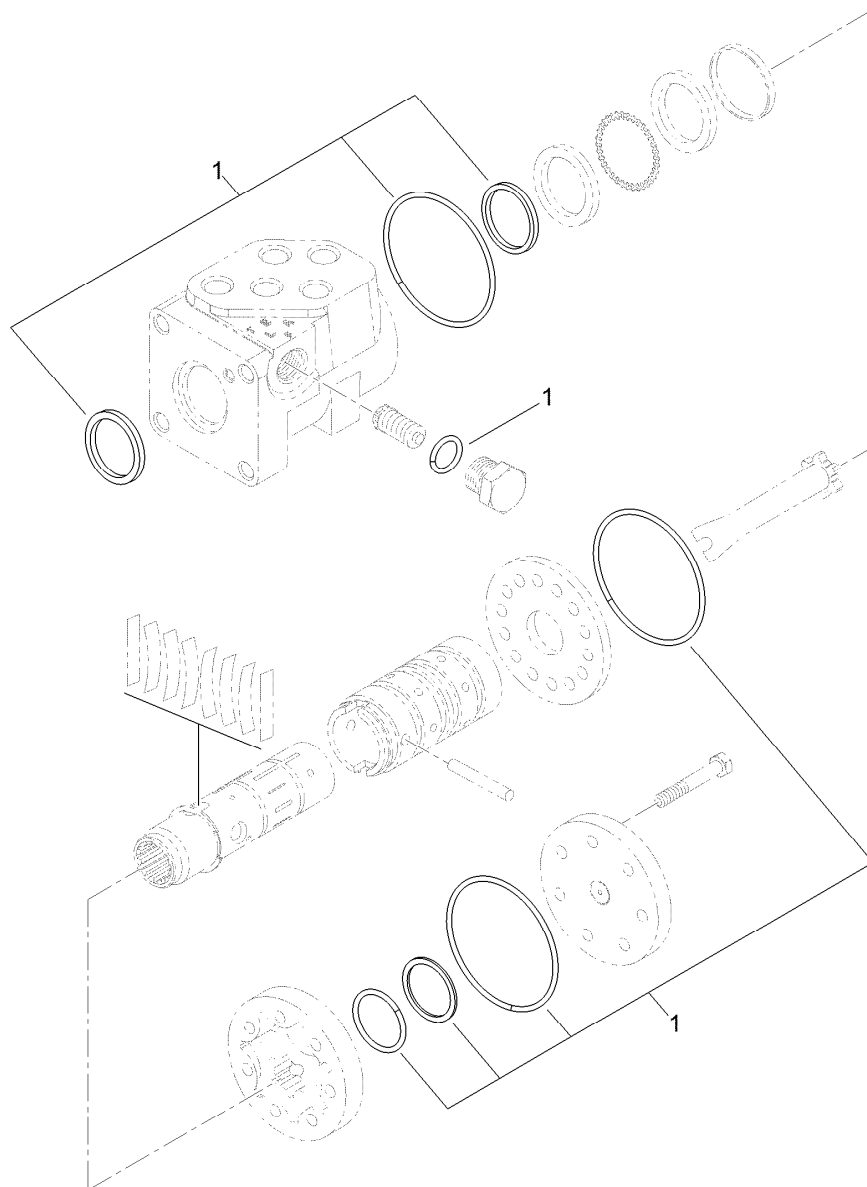
## Steering Column Assembly

| 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               |



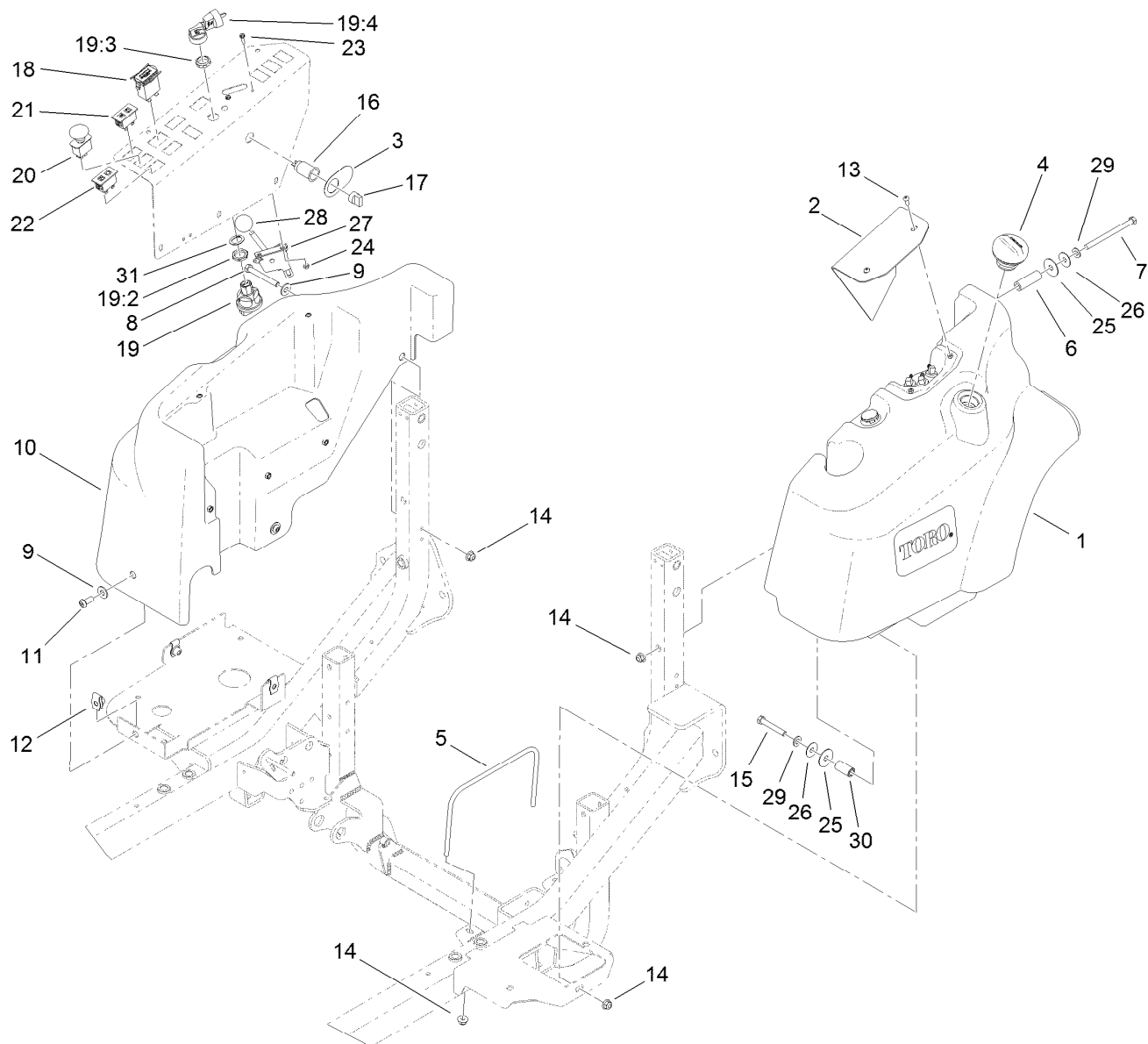
## Steering Column Assembly No. 117-3371

| 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

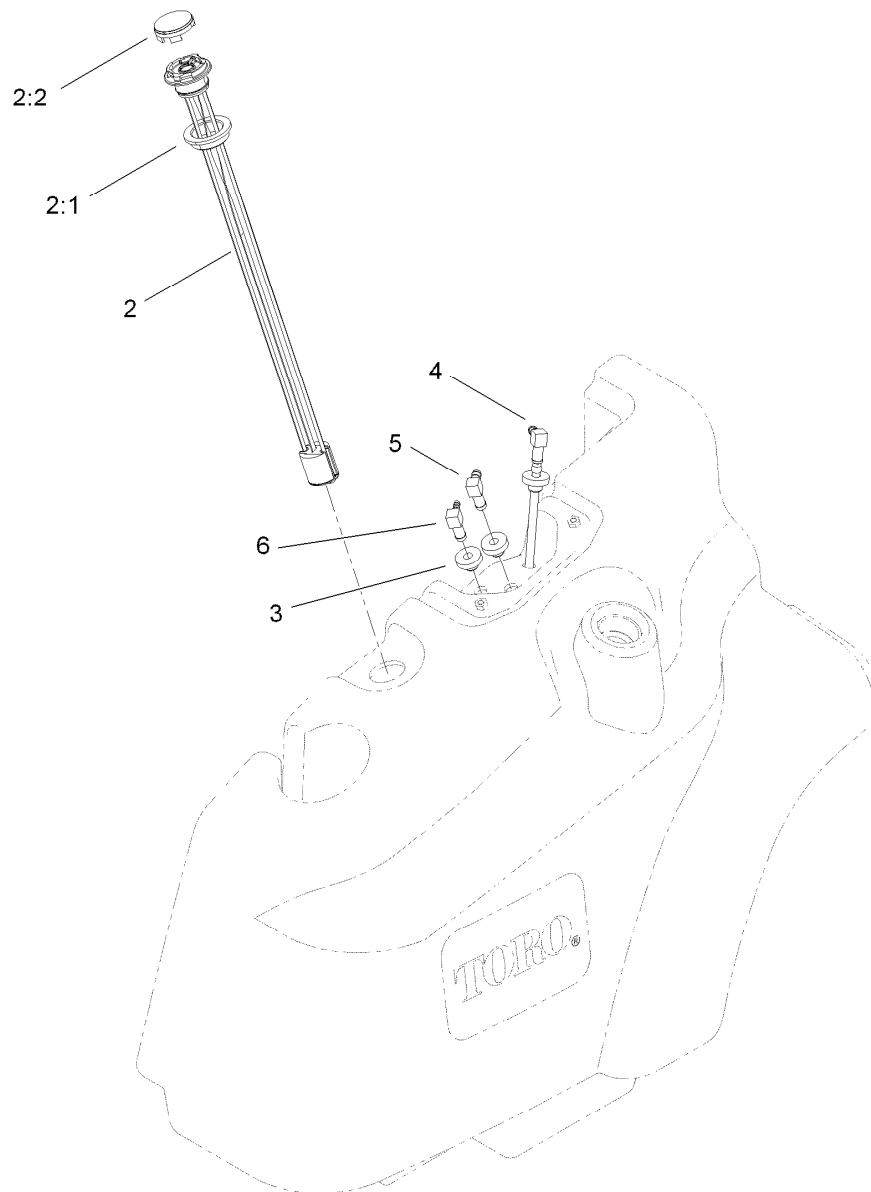
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 130-8357           | 1           | Seal Kit           |



## 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              |

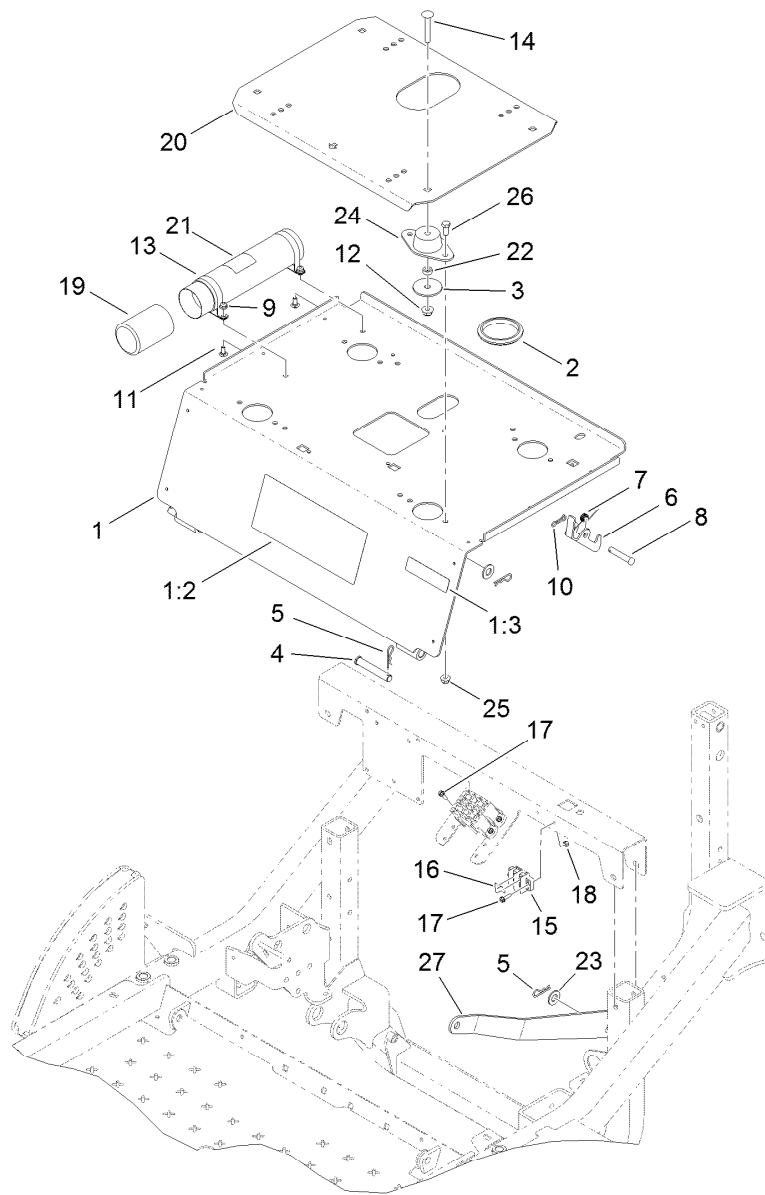
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 18   | 1-513374    | 1    | Meter-Hour          |
| 19   | 121-5159    | 1    | Ignition Switch ASM |
| 19:2 | 121-5160    | 1    | Nut-Hex             |
| 19:3 | 121-5161    | 1    | Nut-Face            |
| 19:4 | 121-5162    | 1    | Ignition Key Set    |
| 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     | 2    | Washer-Flat         |
| 30   | 110-3726    | 1    | Spacer              |
| 31   | 120-2036    | 1    | Washer-Switch       |



## Fuel Tank Assembly No. 120-0255

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

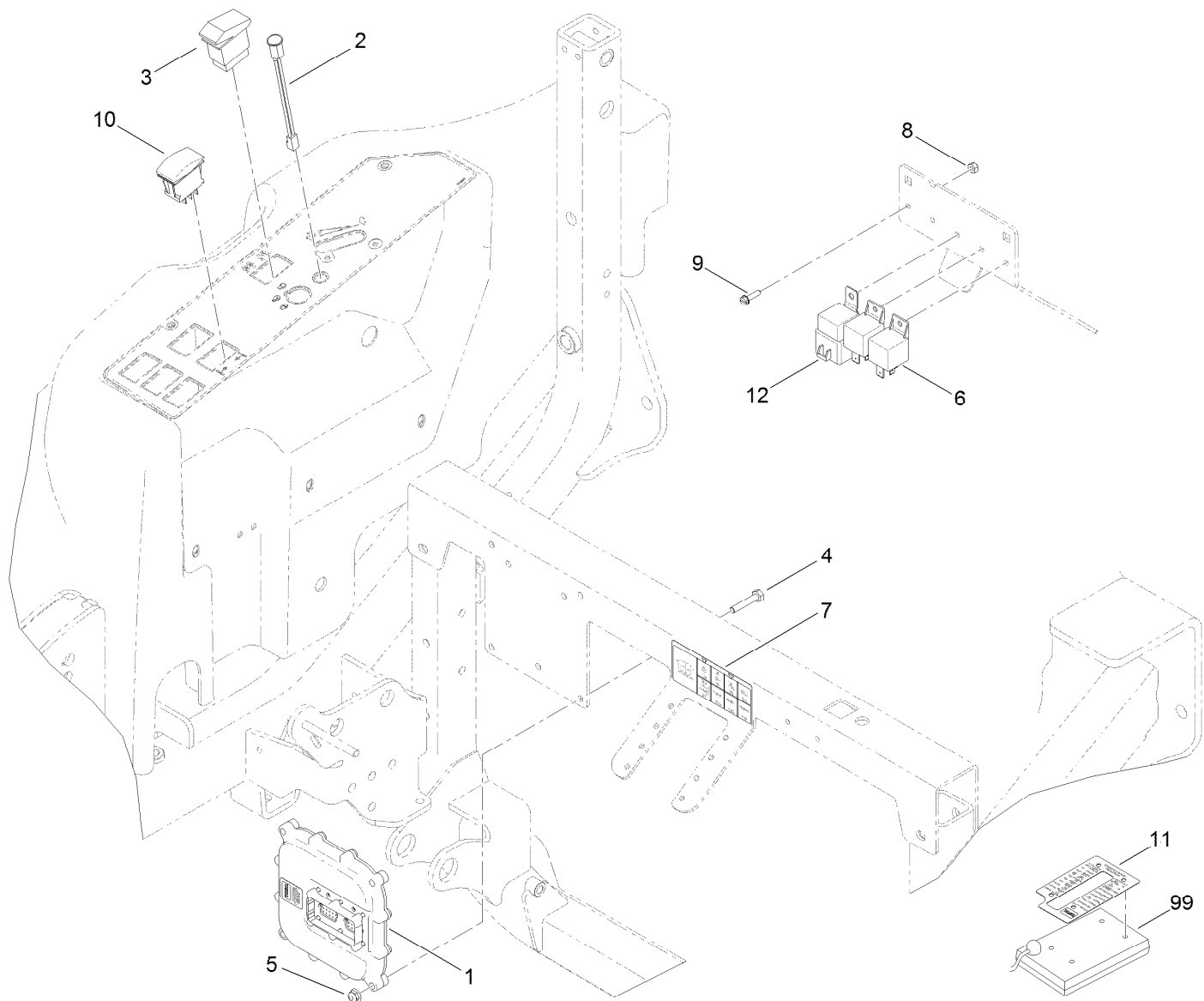




## Seat Plate Assembly

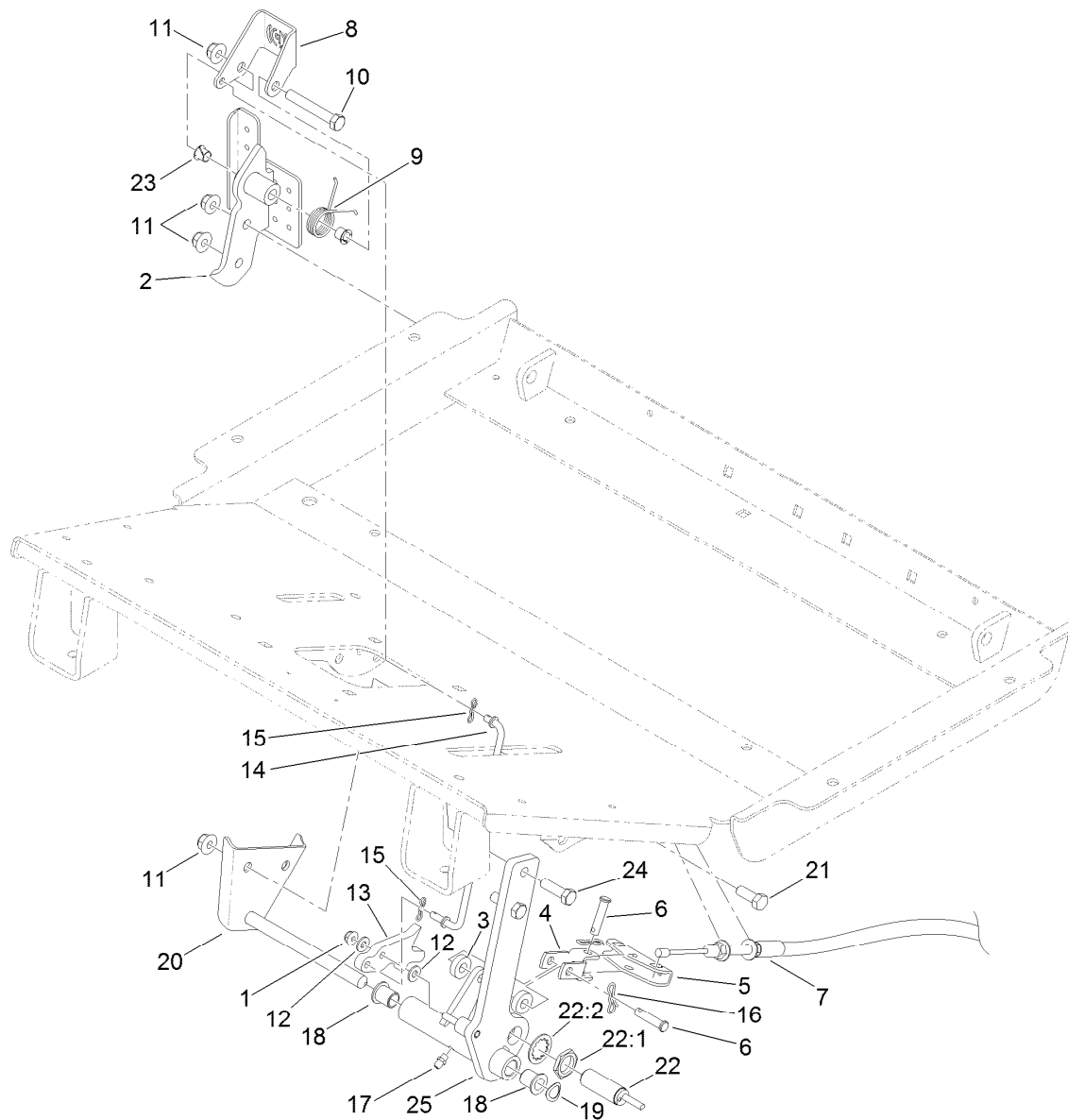
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 120-0244    | 1    | Seat Plate ASM           |
| 1:2  | 117-3273    | 1    | Decal-Operation, Warning |
| 1:3  | 117-2718    | 1    | Decal-Arrester, Spark    |
| 2    | 237-164     | 1    | Grommet                  |
| 3    | 83-1040     | 4    | Washer-Flat              |
| 4    | 283-55      | 2    | Pin-Clevis               |
| 5    | 3290-467    | 4    | Pin-Hair                 |
| 6    | 117-3067    | 1    | Latch-Seat               |
| 7    | 104-4821    | 1    | Spring-Torsion           |
| 8    | 283-82      | 1    | Pin-Clevis               |
| 9    | 104-7201    | 2    | Nut-HF                   |
| 10   | 119-1415    | 1    | Pin-Cotter, Locking      |
| 11   | 3229-1      | 2    | Bolt-CARR                |
| 12   | 104-8301    | 4    | Nut-Flange, NI           |
| 13   | 107-1865    | 2    | R-Clamp                  |

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

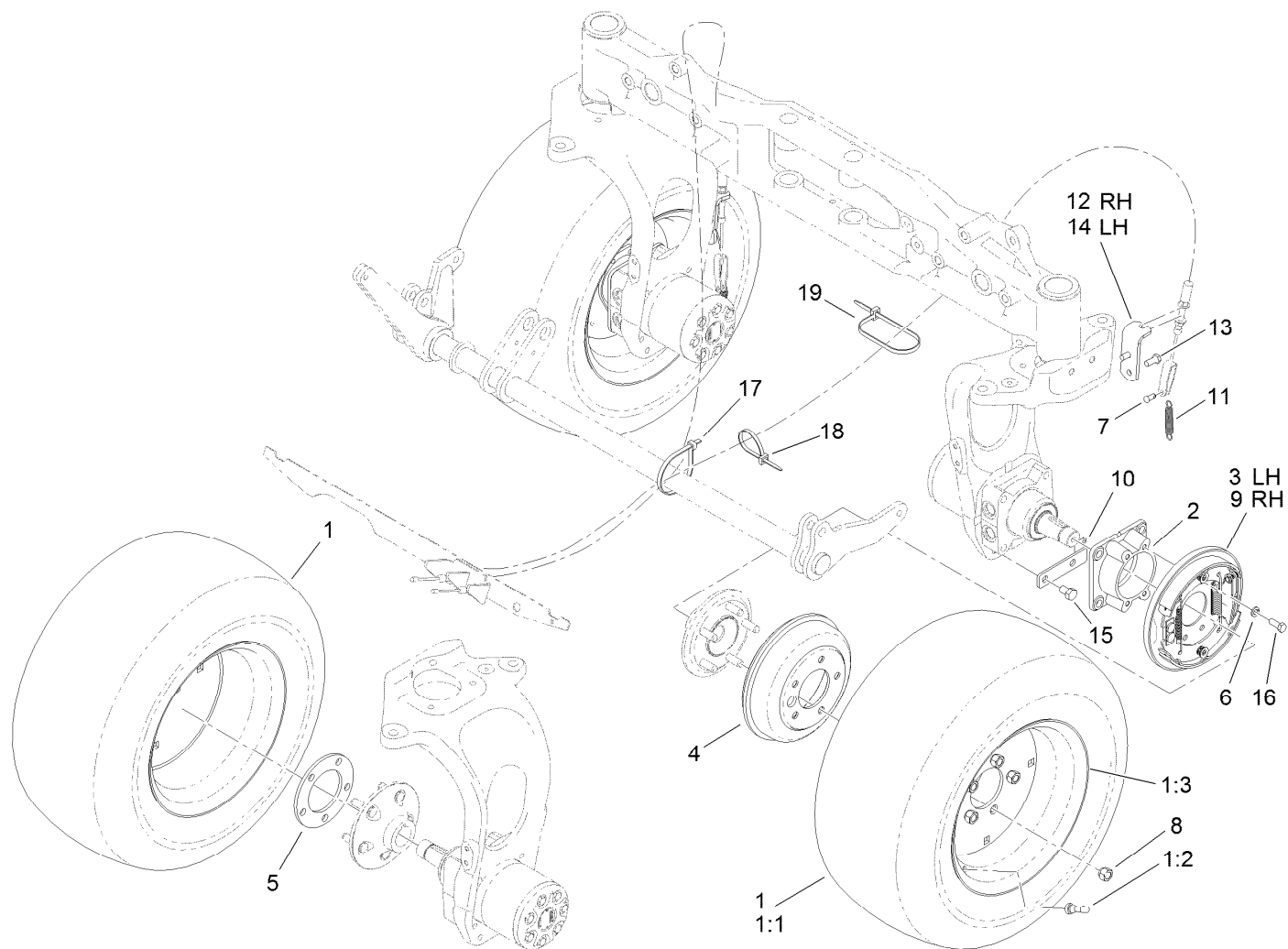
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 115-1900    | 1    | Controller               |
| 2    | 95-7652     | 1    | Light-Indicator          |
| 3    | 100-8490    | 1    | Switch-Rocker            |
| 4    | 321-13      | 4    | Screw-HH                 |
| 5    | 104-7201    | 4    | Nut-HF                   |
| 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  |



## Brake Pedal Assembly

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 104-7201    | 1    | Nut-HF         |
| 2    | 119-1403-03 | 1    | Pedal-Brake    |
| 3    | 5-0652      | 2    | Spacer         |
| 4    | 115-8060    | 1    | Clevis-Double  |
| 5    | 115-8059    | 1    | Yoke-Cable     |
| 6    | 283-14      | 2    | Pin-Clevis     |
| 7    | 117-3214    | 2    | Cable-Brake    |
| 8    | 119-1407    | 1    | Pedal-Park     |
| 9    | 99-7140     | 1    | Spring-Torsion |
| 10   | 323-12      | 1    | Screw-HH       |
| 11   | 104-8301    | 5    | Nut-Flange, NI |
| 12   | 3256-22     | 2    | Washer-Flat    |
| 13   | 119-1406    | 1    | Detent-Brake   |
| 14   | 119-1405    | 1    | Rod-Brake Pawl |

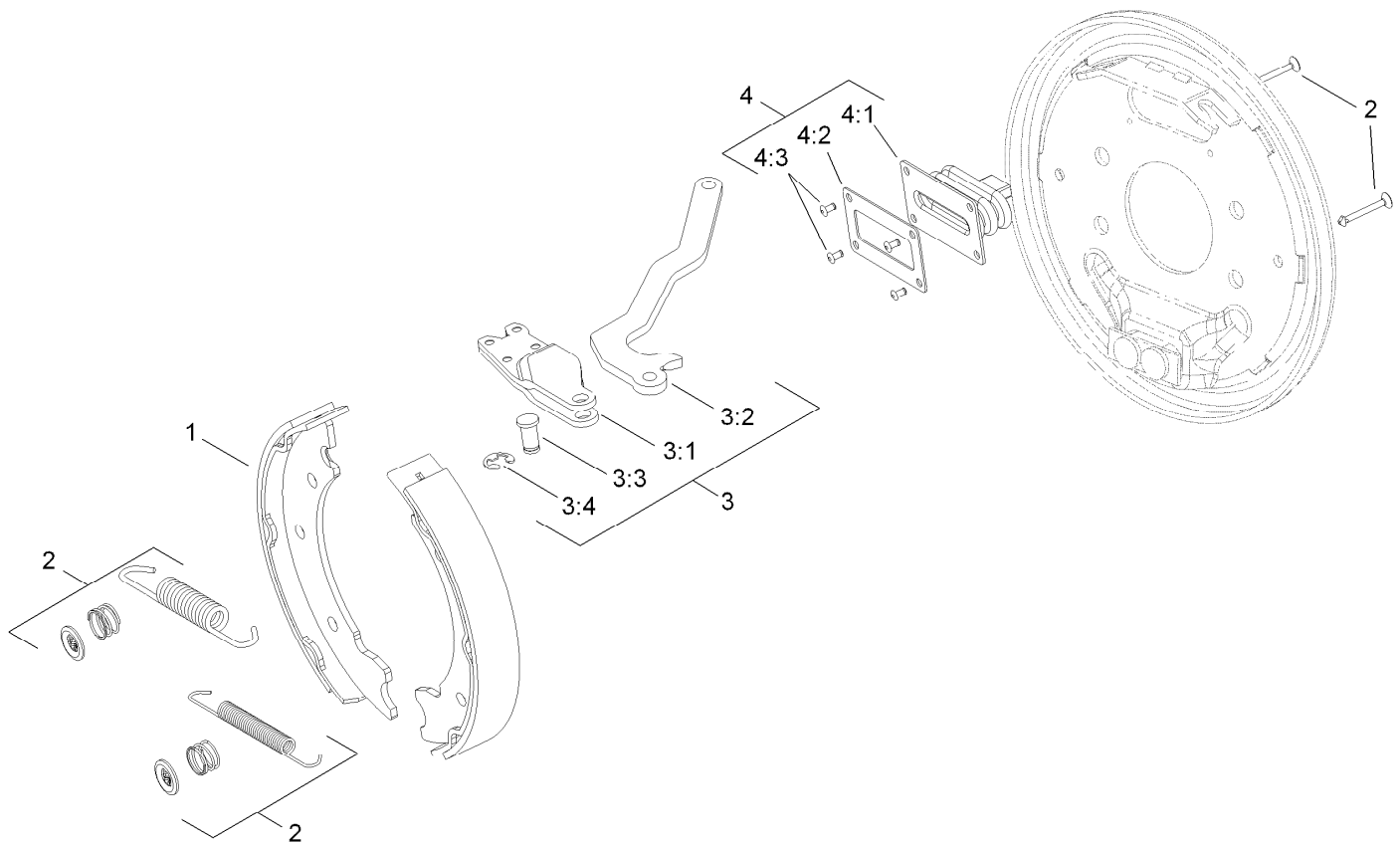
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 15   | 119-1414    | 2    | Pin-Cotter, Locking         |
| 16   | 119-1415    | 2    | Pin-Cotter, Locking         |
| 17   | 302-5       | 1    | Fitting-Grease              |
| 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            |

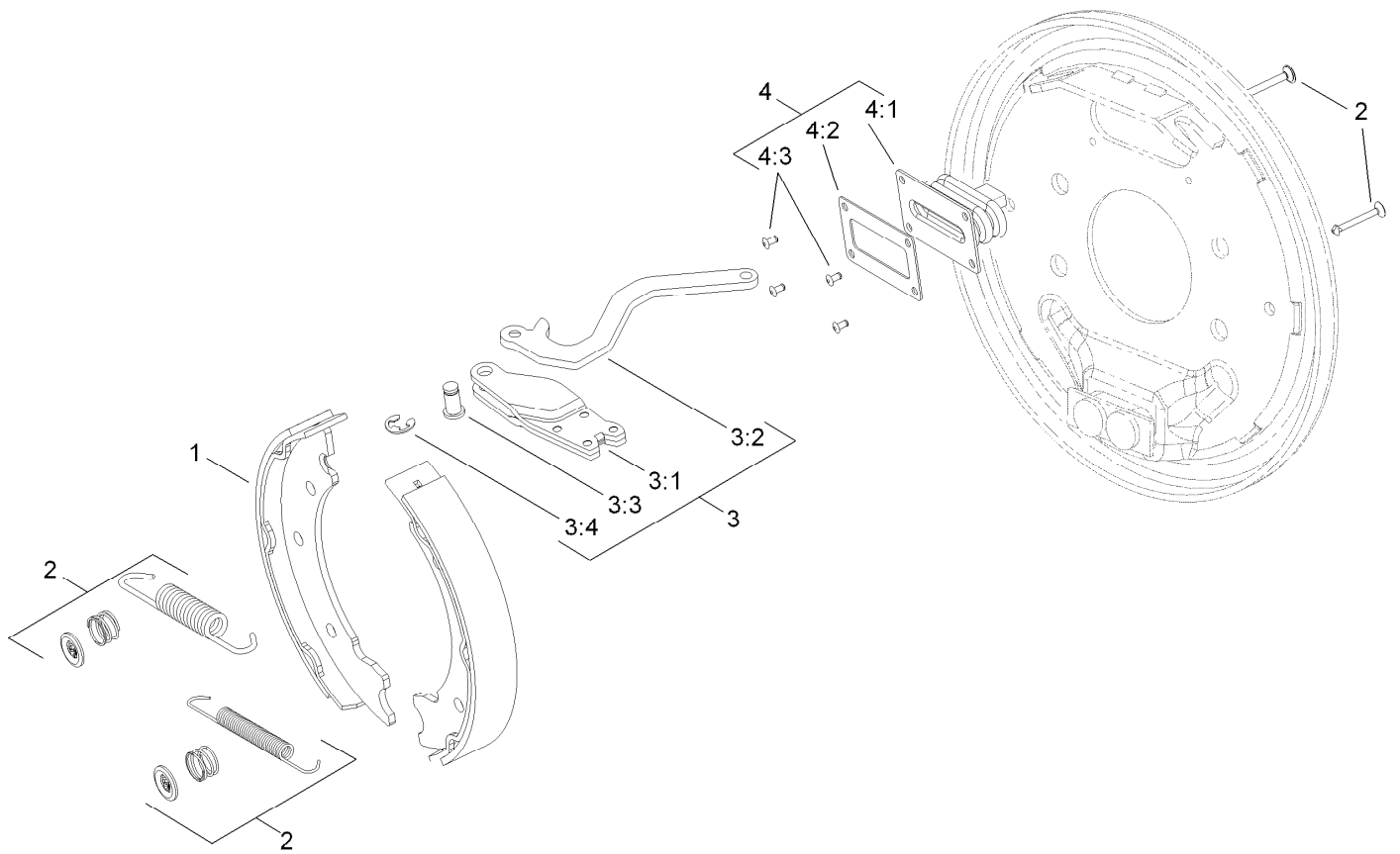
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 9    | 120-0233    | 1    | RH Brake ASM            |
| 10   | 115-0132    | 2    | Bracket-Spring, Return  |
| 11   | 87-4020     | 2    | Spring-Extension        |
| 12   | 119-1352-03 | 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               |



## 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 ●            |

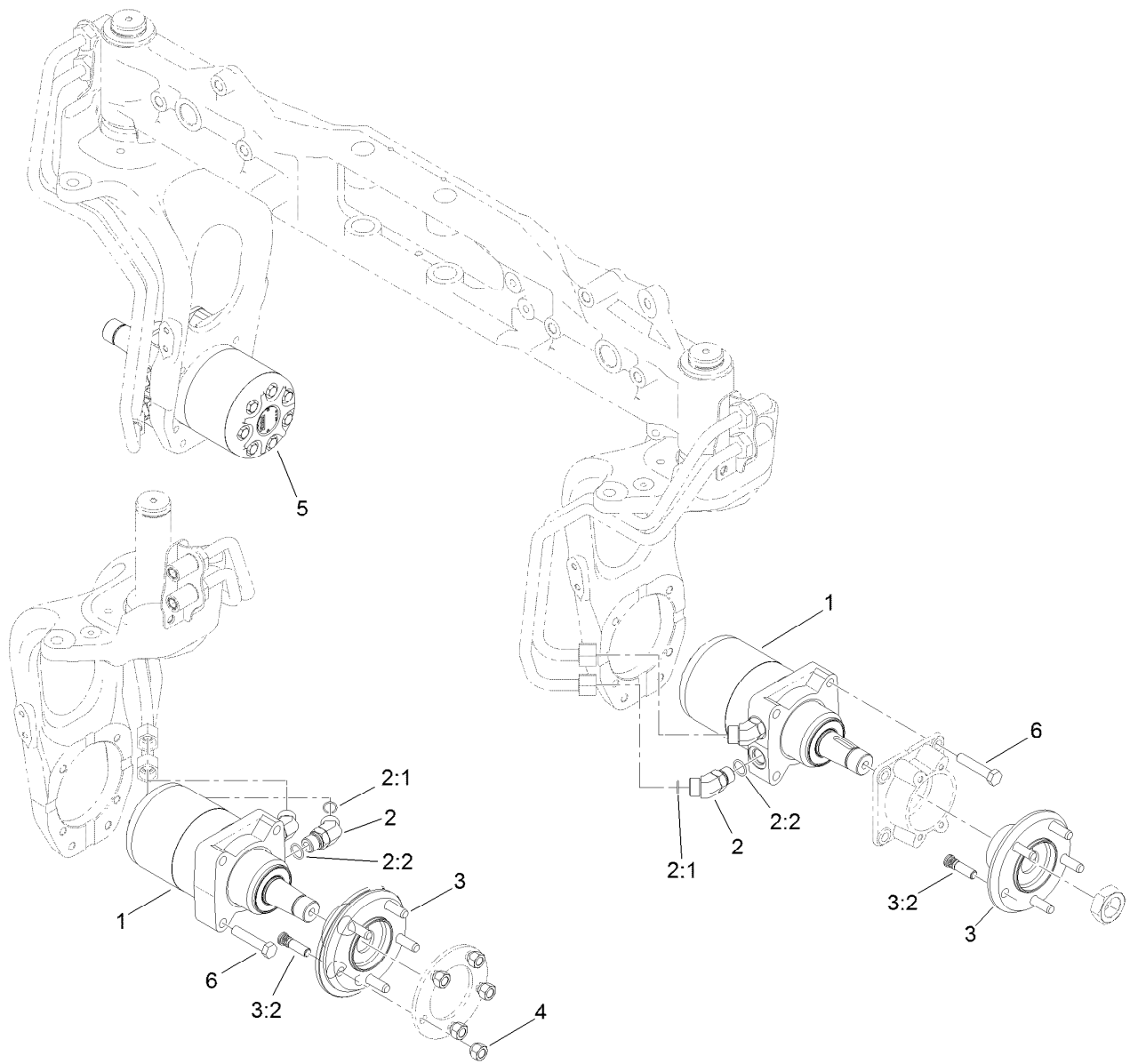
● Not serviced separately



## Left Hand Brake Assembly No. 120-0235

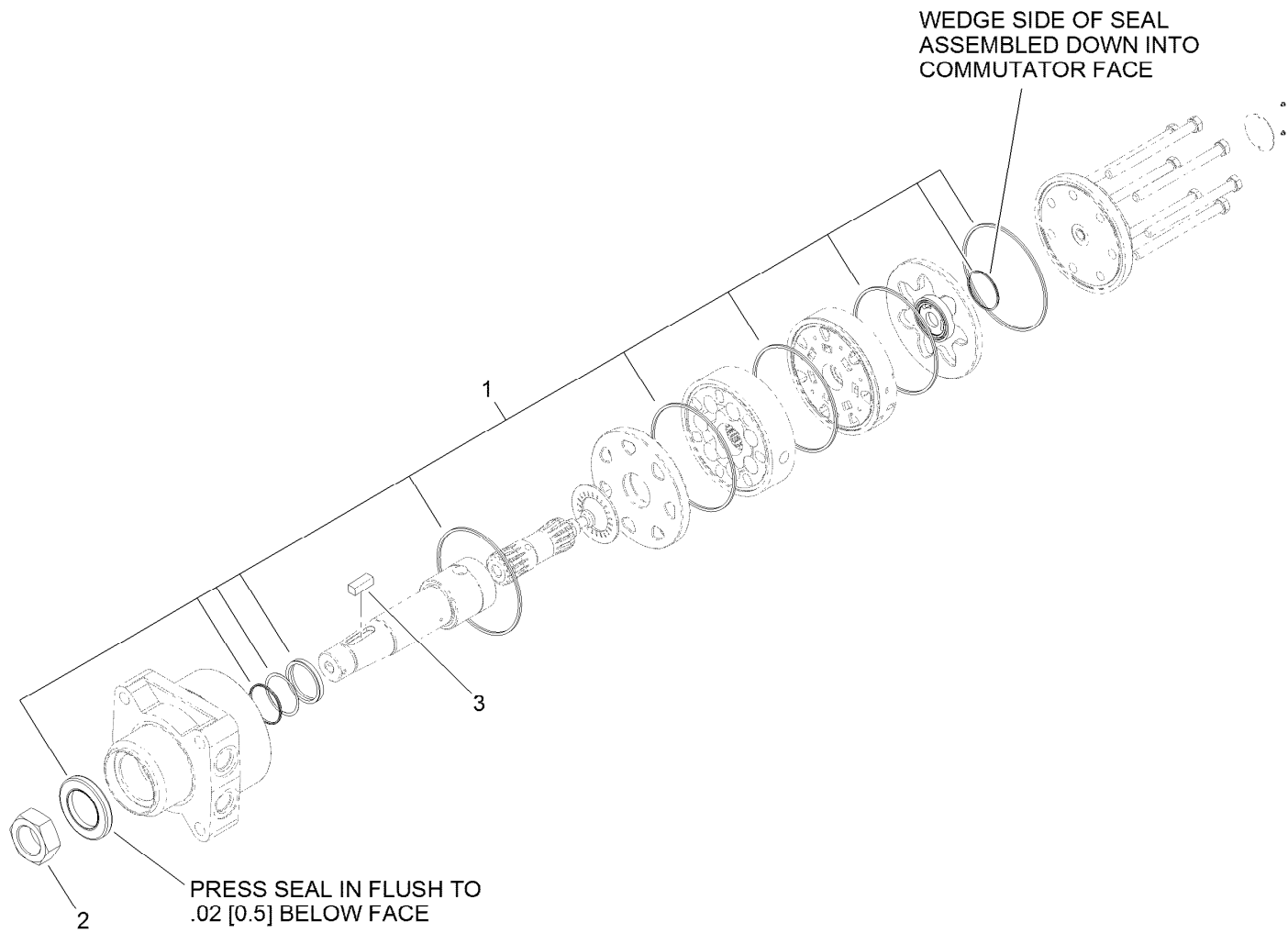
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 108-6981    | 1    | Brake Shoe Kit     |
| 2    | 108-6983    | 1    | Brake Hardware Kit |
| 3    | 120-0236    | 1    | LH Actuator Kit    |
| 3:1  |             | 1    | Housing ●          |
| 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



## 4 Wheel Drive Hydraulic Motor and Fitting Assembly

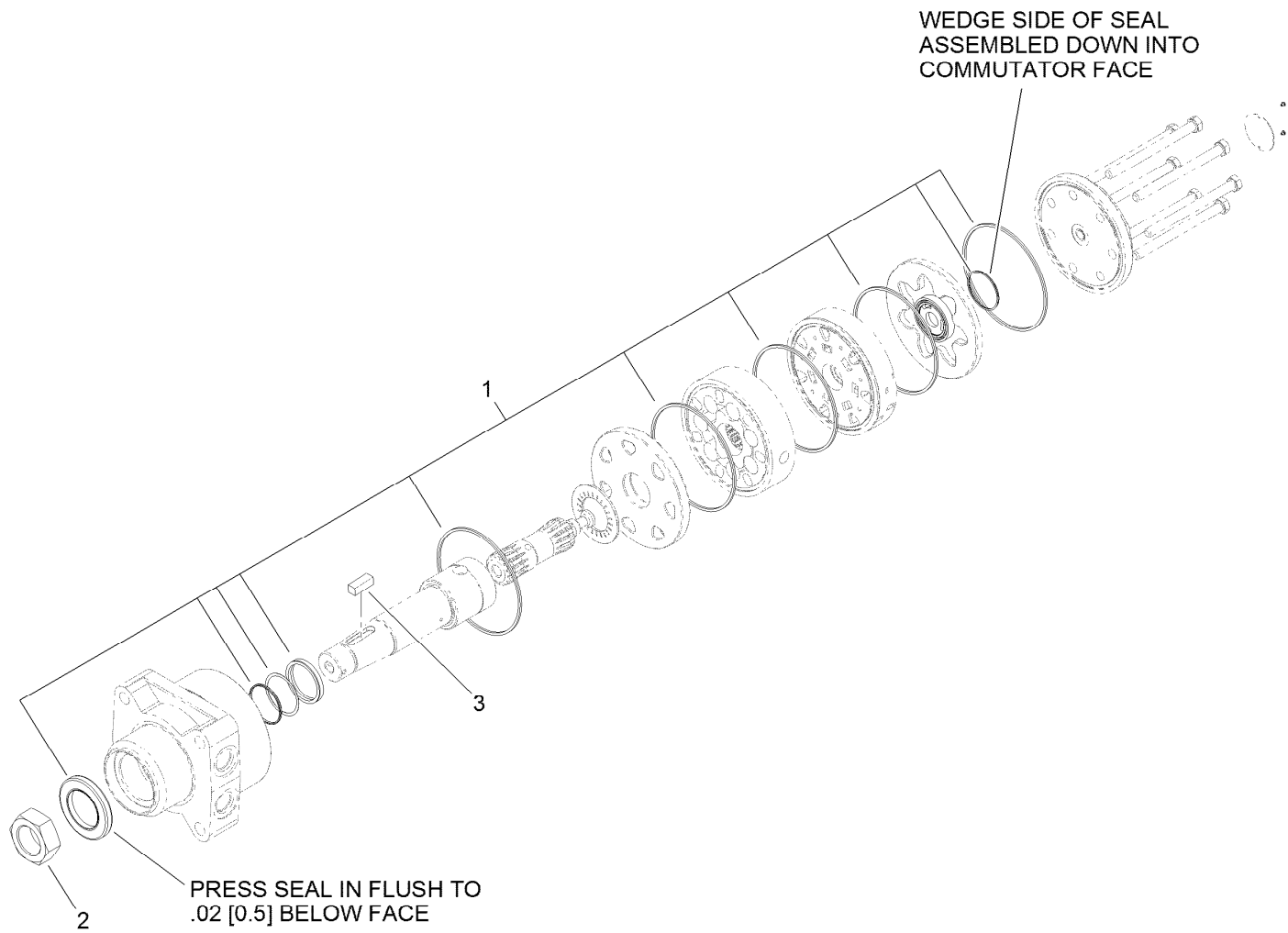
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 117-3284    | 2    | HYD Motor ASM (280 CCW) |
| 2    | 340-14      | 8    | Fitting-HYD, 45 DEG     |
| 2:1  | 237-65      | 1    | O-Ring                  |
| 2:2  | 237-80      | 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)

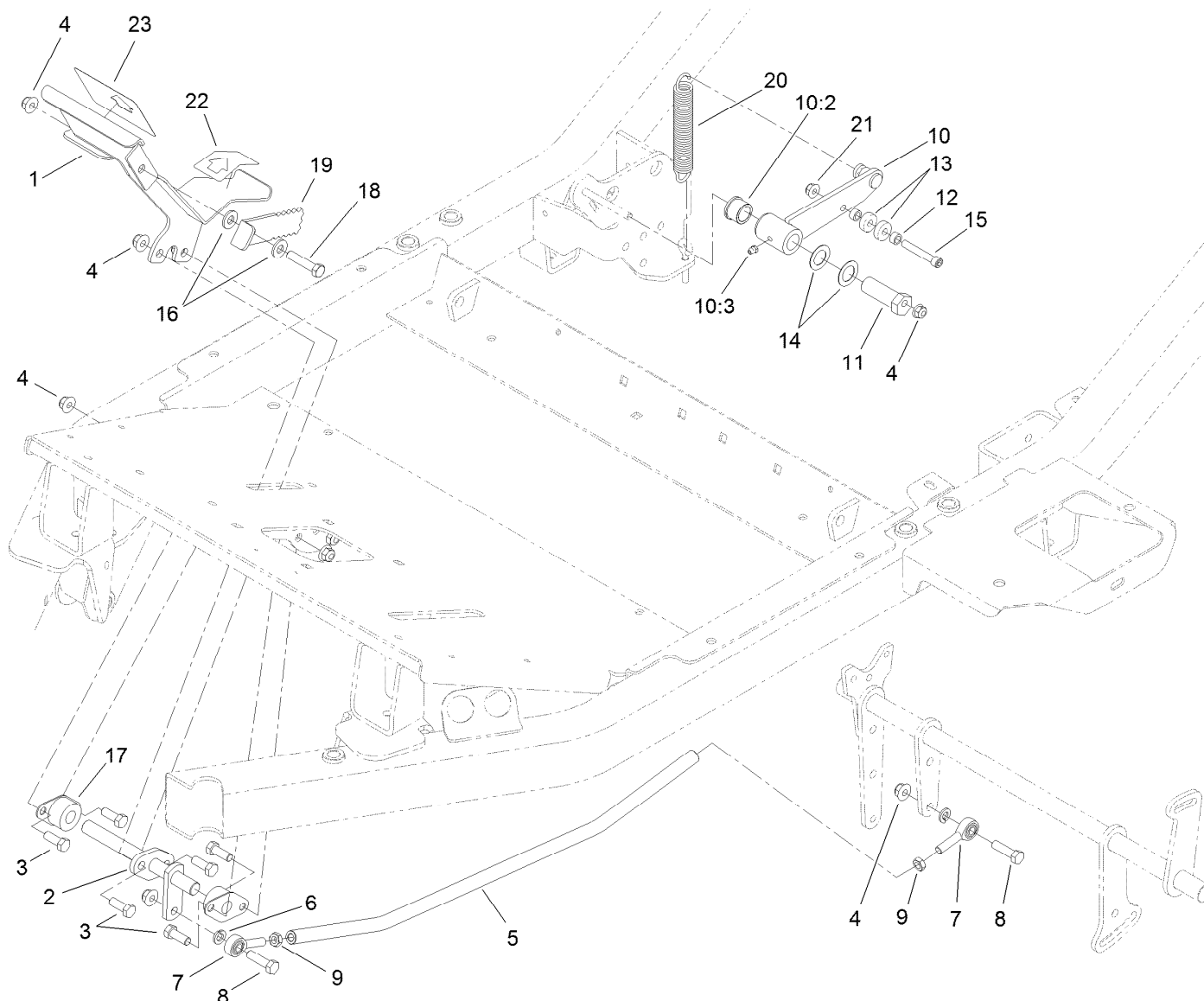
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 107-9368    | 1    | Seal Kit    |
| 2    | 117-3290    | 1    | Nut-Hex     |
| 3    | 117-5198    | 1    | Key-Square  |





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

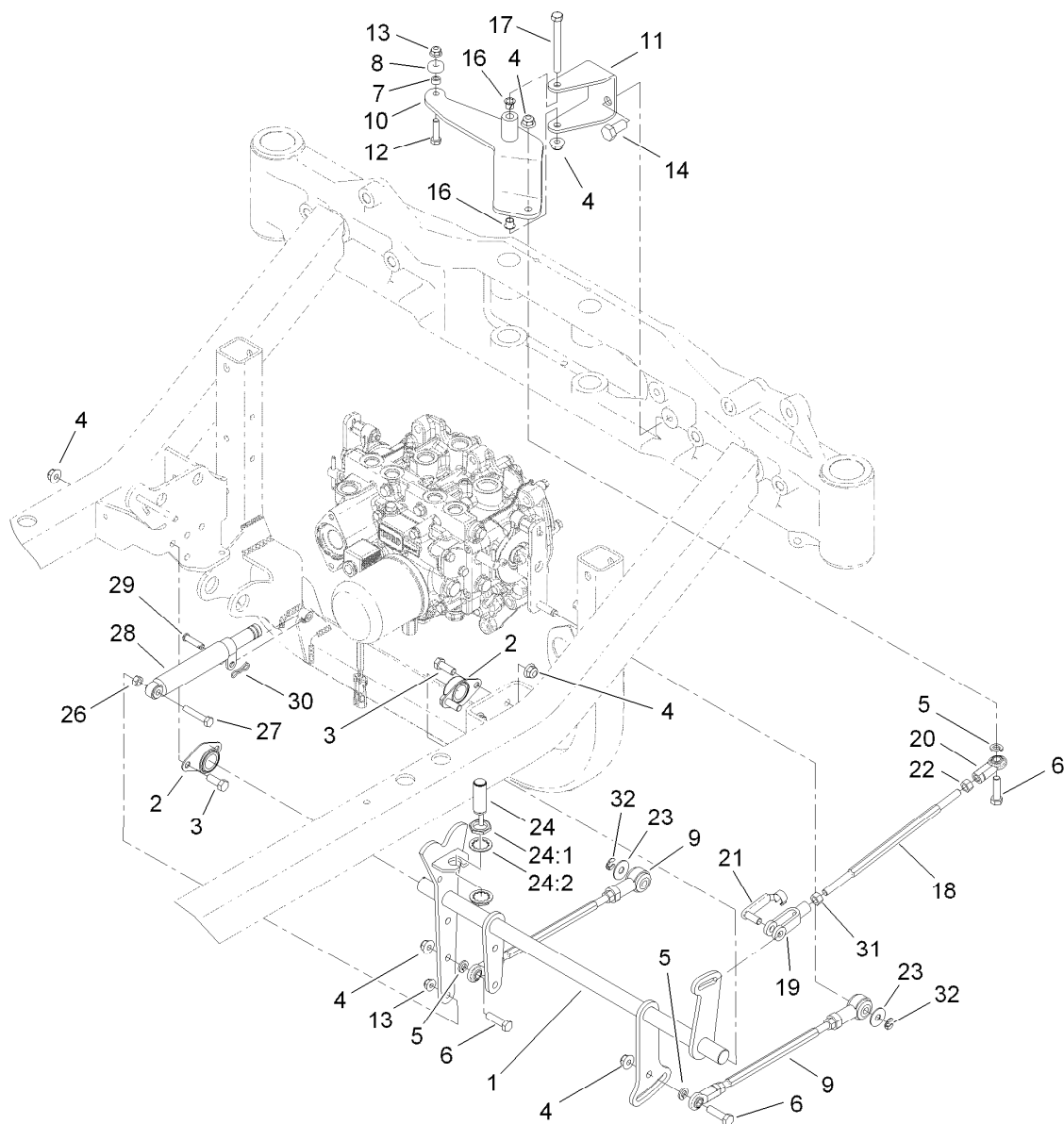
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 1    | 107-9368    | 1    | Seal Kit    |
| 2    | 117-3290    | 1    | Nut-Hex     |
| 3    | 117-5198    | 1    | Key-Square  |



## Neutral and Traction Pedal Assembly

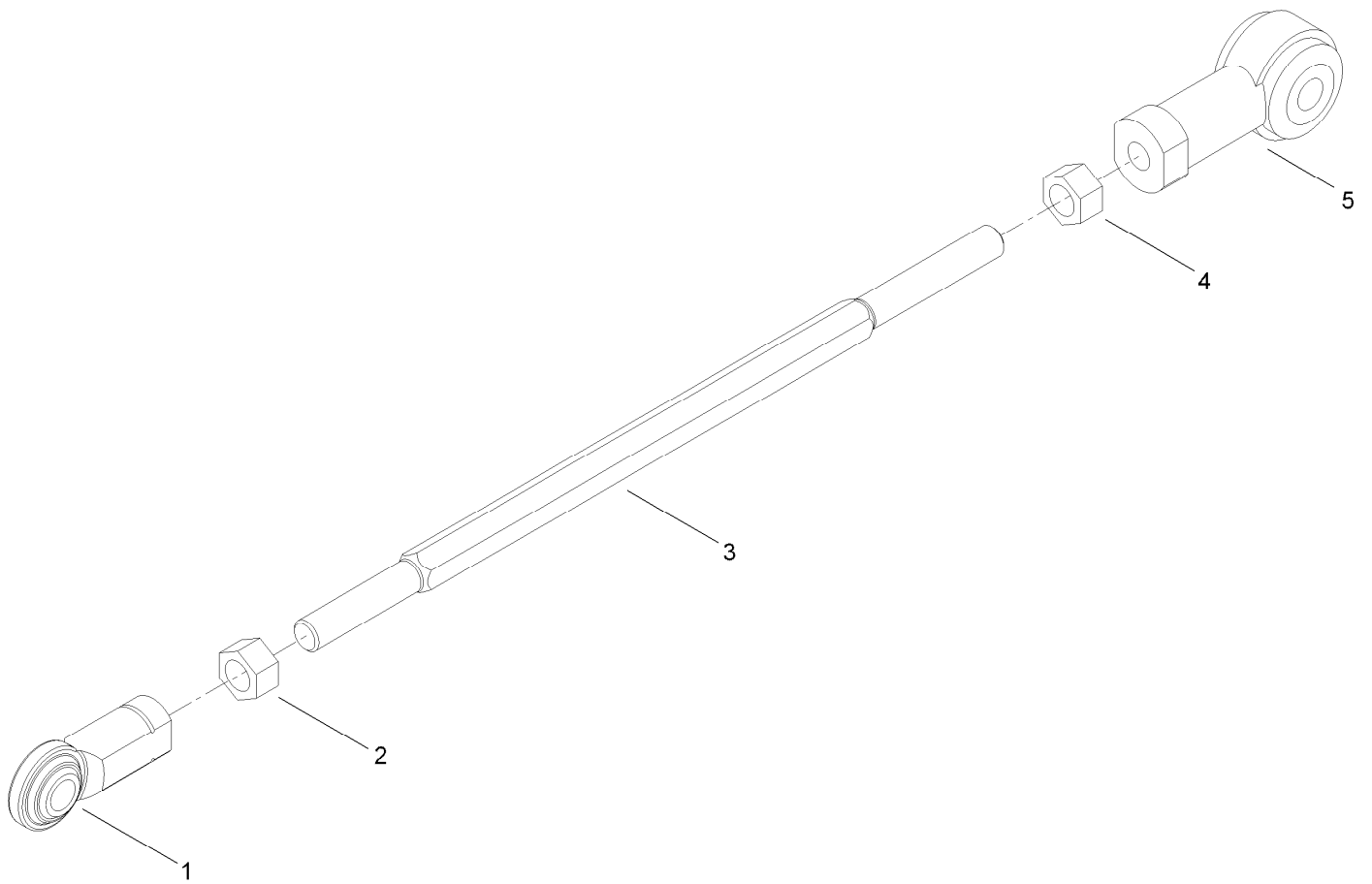
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 117-3070-01 | 1    | Pedal            |
| 2    | 117-3073    | 1    | Pivot-Pedal      |
| 3    | 323-6       | 6    | Screw-HH         |
| 4    | 104-8301    | 10   | Nut-Flange, NI   |
| 5    | 115-0072-03 | 1    | Rod-Traction     |
| 6    | 3253-21     | 2    | Washer-Lock      |
| 7    | 2411-36     | 2    | Bearing-End, Rod |
| 8    | 323-29      | 2    | Screw-HH         |
| 9    | 3220-3      | 2    | Nut-HJ           |
| 10   | 115-0148    | 1    | Arm ASM          |
| 10:2 | 256-113     | 2    | Bushing-Flange   |
| 10:3 | 302-5       | 1    | Fitting-Grease   |
| 11   | 117-9046    | 1    | Stud-Eccentric   |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 12   | 85-9120     | 2    | Spacer-Pivot, Tilt    |
| 13   | 251-307     | 2    | Bearing-Ball          |
| 14   | 3-6498      | 2    | Washer-Thrust         |
| 15   | 3274-86     | 1    | Screw-HSH             |
| 16   | 66-2920     | 2    | Washer-Friction       |
| 17   | 256-236     | 2    | Bearing-Mount, Flange |
| 18   | 323-9       | 1    | Screw-HH              |
| 19   | 117-3298    | 1    | Lever-Mow Stop        |
| 20   | 116506      | 1    | Spring-Extension      |
| 21   | 104-8300    | 1    | Nut-Flange, NI        |
| 22   | 94-3308     | 1    | Pad-Pedal, Traction   |
| 23   | 94-3307     | 1    | Pad-Pedal, Traction   |



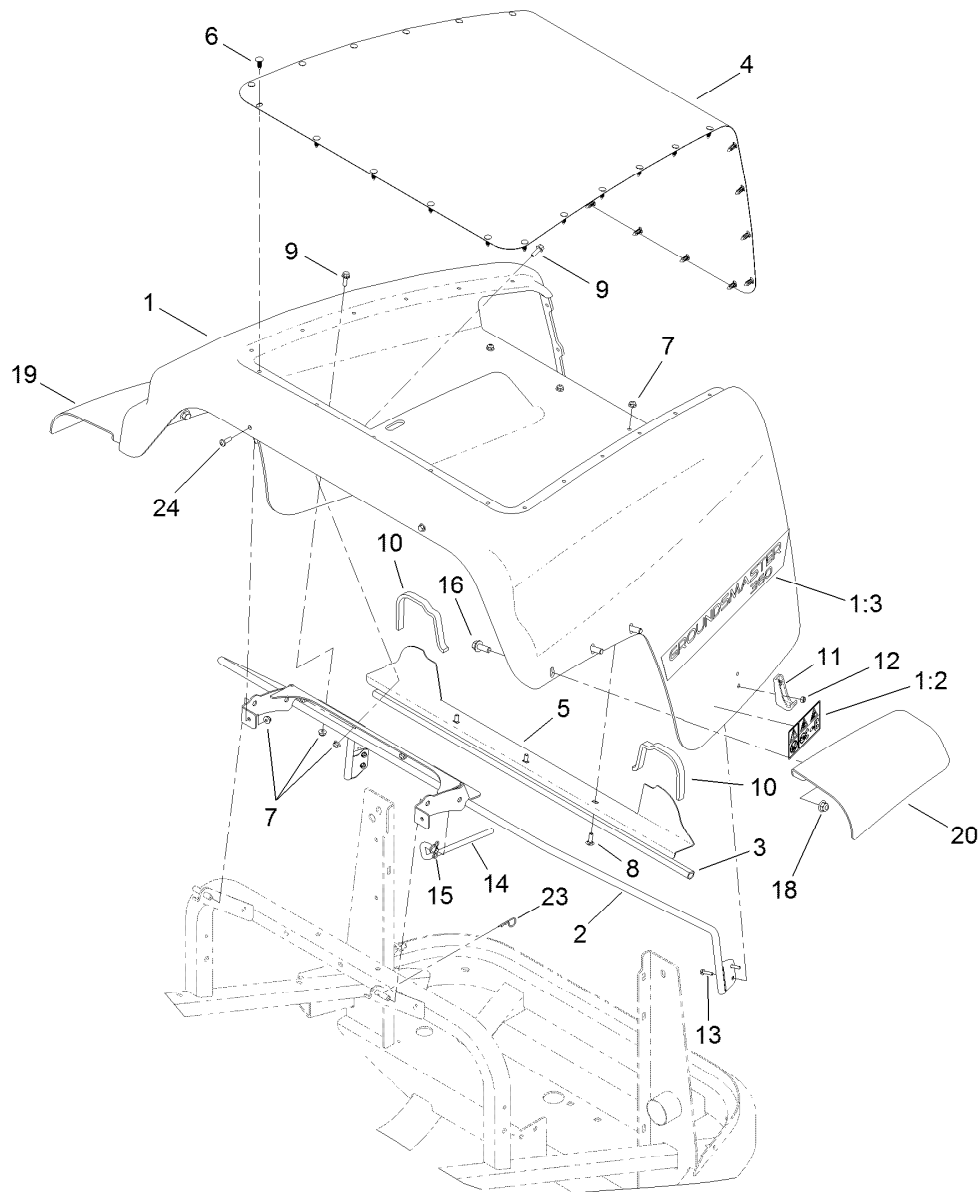
## Traction Pump Linkage Assembly

| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|------------------------|------|-------------|------|-----------------------------|
| 1    | 115-0080-03 | 1    | Shaft-Control, Speed   | 18   | 105-7239    | 1    | Rod-Threaded                |
| 2    | 117-3255    | 2    | Bearing-Side Flange    | 19   | 1-633131    | 1    | Yoke-Linkage, Brake         |
| 3    | 323-6       | 4    | Screw-HH               | 20   | 103-1167    | 1    | Joint-Ball End, LH          |
| 4    | 104-8301    | 8    | Nut-Flange, NI         | 21   | 103-2399    | 1    | Pin-Spring, Clevis          |
| 5    | 3253-21     | 3    | Washer-Lock            | 22   | 3219-20     | 1    | Nut-Hex, LH                 |
| 6    | 323-29      | 3    | Screw-HH               | 23   | 52-2860     | 2    | Washer                      |
| 7    | 85-9120     | 1    | Spacer-Pivot, Tilt     | 24   | 115-5300    | 1    | Proximity Switch ASM        |
| 8    | 251-307     | 1    | Bearing-Ball           | 24:1 | 117-3207    | 2    | Nut-Hex                     |
| 9    | 112-5099    | 2    | Link ASM               | 24:2 | 117-3208    | 2    | Washer-Lock, Internal Tooth |
| 10   | 115-0084-03 | 1    | Arm                    | 26   | 3217-6      | 1    | Nut-Hex                     |
| 11   | 119-1351-03 | 1    | Channel-Pivot          | 27   | 322-9       | 1    | Screw-HH                    |
| 12   | 322-6       | 1    | Screw-HH               | 28   | 76-8870     | 1    | Damper-Lever                |
| 13   | 104-8300    | 2    | Nut-Flange, NI         | 29   | 283-6       | 1    | Pin-Clevis                  |
| 14   | 325-4       | 2    | Screw-HH               | 30   | 119-1415    | 1    | Pin-Cotter, Locking         |
| 16   | 52-2891     | 2    | Bushing-Flanged, Nylon | 31   | 3219-3      | 1    | Nut-Hex                     |
| 17   | 323-15      | 1    | Screw-HH               | 32   | 32151-47    | 2    | Ring-Retaining              |



## Link Assembly No. 112-5099

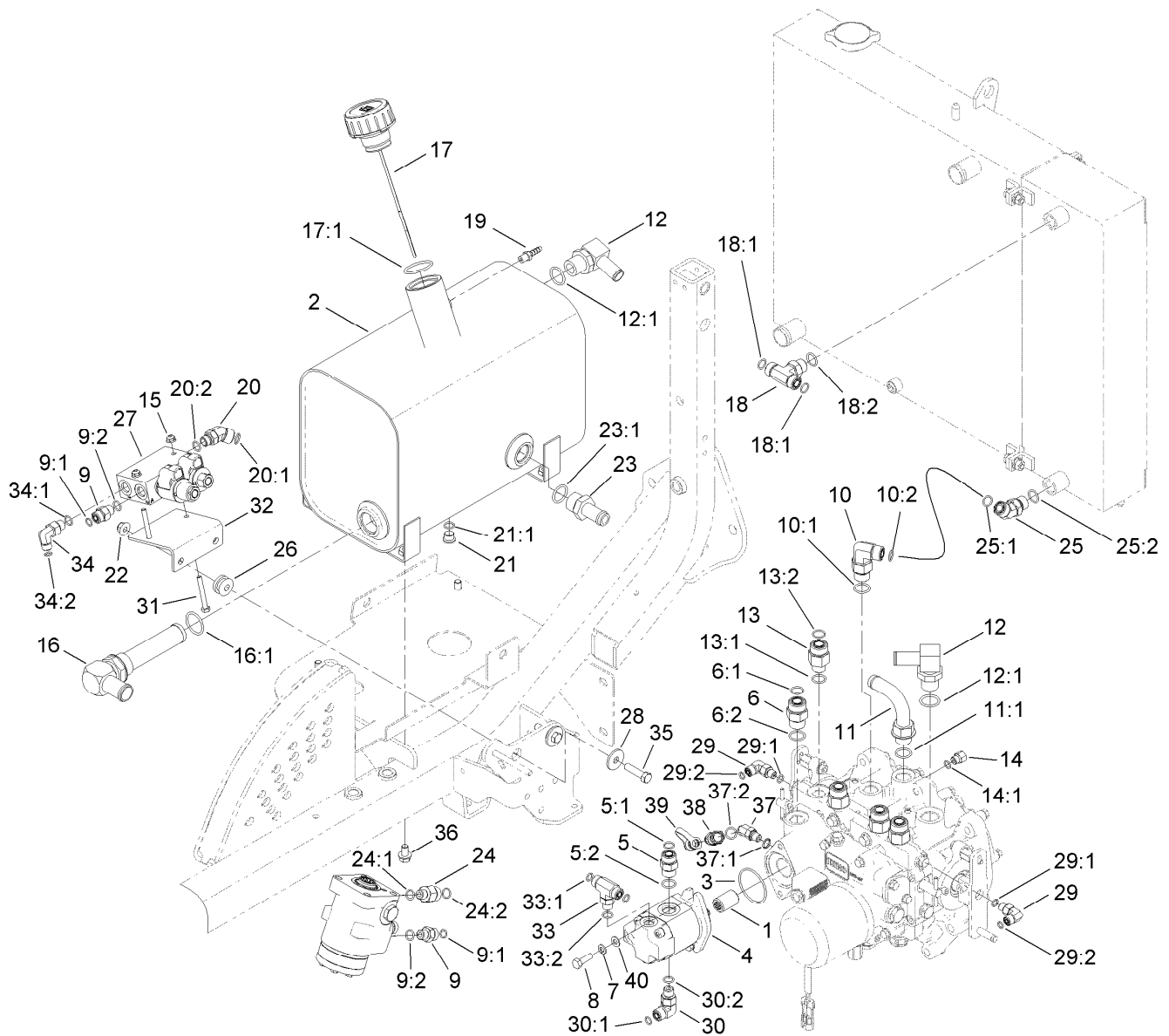
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 103-1167           | 1           | Joint-Ball End, LH |
| 2           | 3219-20            | 1           | Nut-Hex, LH        |
| 3           | 105-7239           | 1           | Rod-Threaded       |
| 4           | 3219-3             | 1           | Nut-Hex            |
| 5           | 105-7199           | 1           | Rod End-Isolated   |



## 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-HF       |
| 8    | 3229-1      | 3    | Bolt-CARR    |
| 9    | 3234-4      | 6    | Screw-HHF    |
| 10   | 110-8288    | 2    | Seal-Foam    |

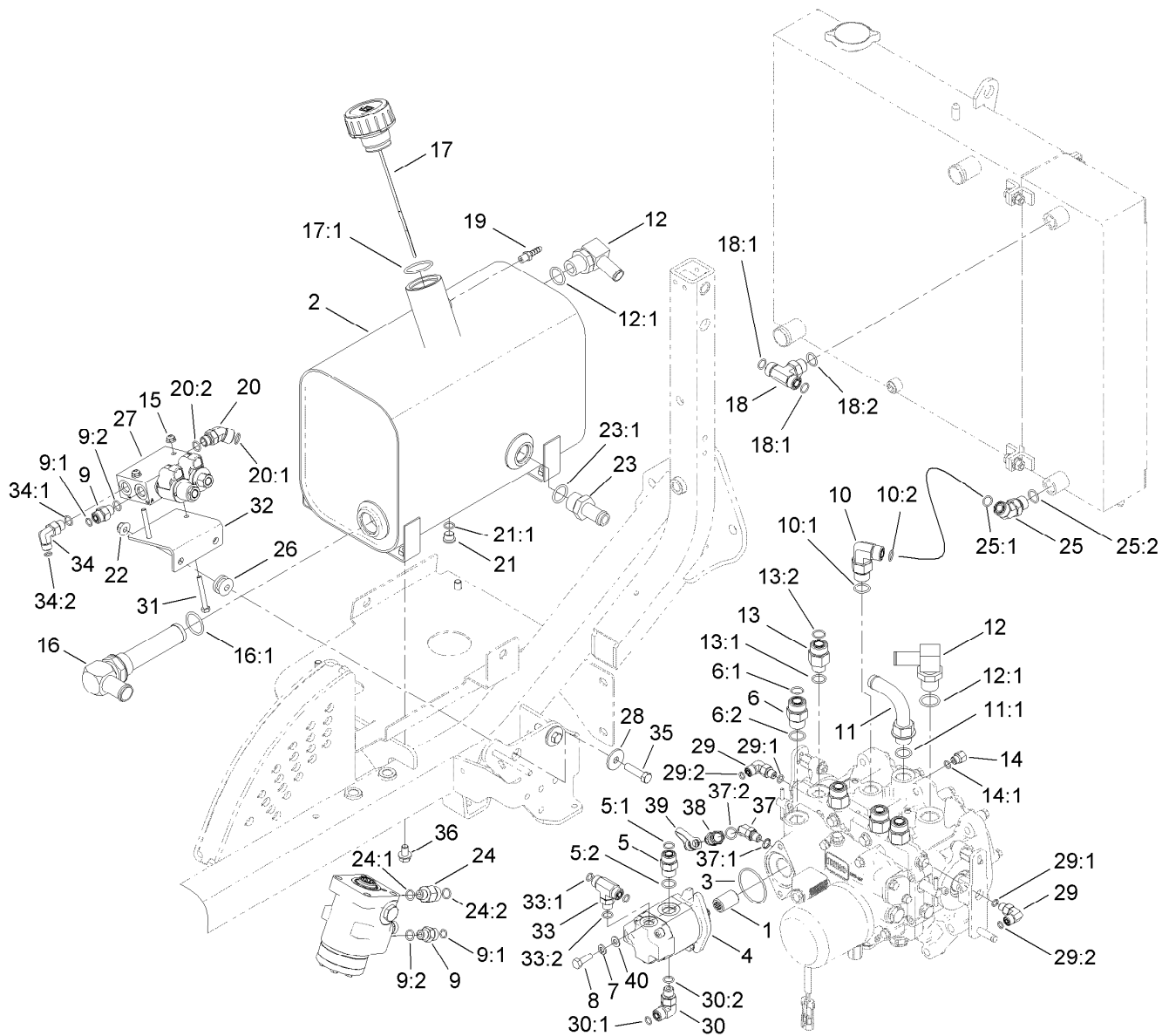
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 11   | 103-2897    | 2    | Latch-Catch         |
| 12   | 3296-2      | 4    | Nut-Lock, NI        |
| 13   | 32105-13    | 4    | Screw-HWH           |
| 14   | 117-3171    | 1    | Rod-Prop            |
| 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           |



## Deck Lift Valve and Hydraulic Fitting Assembly

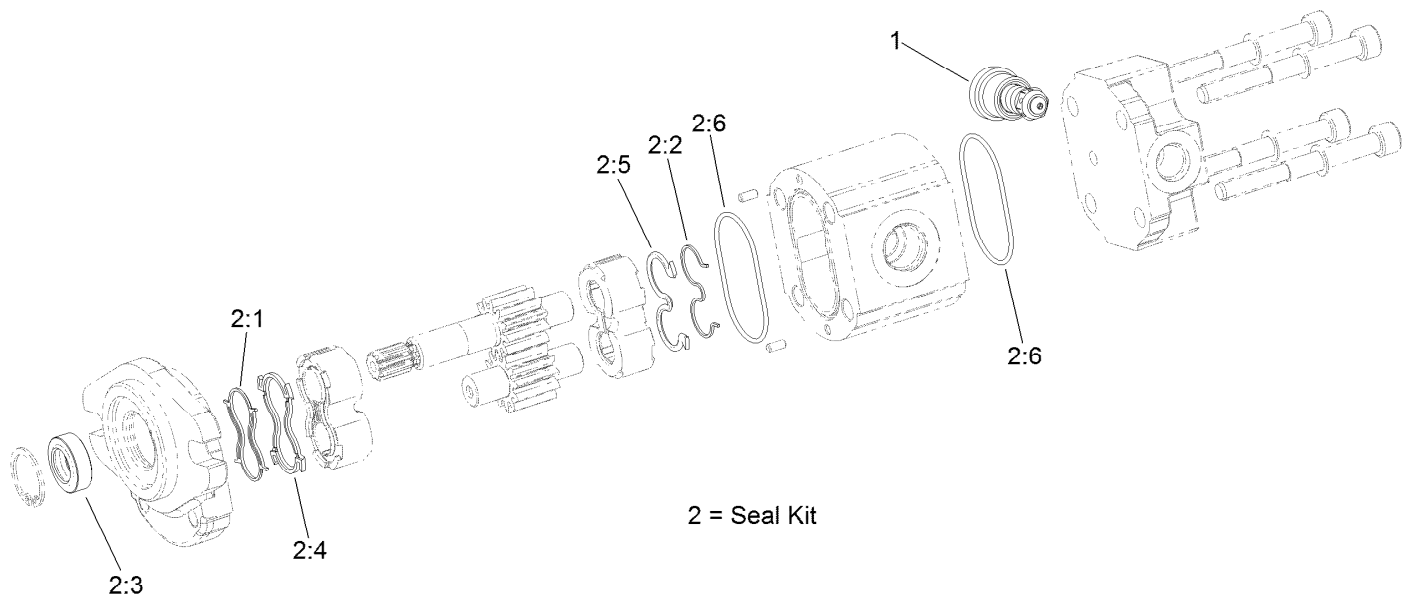
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 108-9920    | 1    | Coupler-Spline        |
| 2    | 117-3372    | 1    | Tank-Hydraulic, Metal |
| 3    | 108-9919    | 1    | O-Ring                |
| 4    | 115-0375    | 1    | Gear Pump ASM         |
| 5    | 340-4       | 1    | Fitting-HYD, Straight |
| 5:1  | 237-30      | 1    | O-Ring                |
| 5:2  | 237-79      | 1    | O-Ring                |
| 6    | 340-7       | 1    | Adapter               |
| 6:1  | 237-65      | 1    | O-Ring                |
| 6:2  | 237-80      | 1    | O-Ring                |
| 7    | 3253-4      | 2    | Washer-Lock           |
| 8    | 33114-025   | 2    | Screw-HH              |
| 9    | 340-2       | 5    | Fitting-HYD, Straight |
| 9:1  | 237-22      | 1    | O-Ring                |
| 9:2  | 237-42      | 1    | O-Ring                |
| 10   | 340-105     | 1    | Fitting-HYD, 90 DEG   |
| 10:1 | 237-80      | 1    | O-Ring                |
| 10:2 | 237-30      | 1    | O-Ring                |
| 11   | 110-5522    | 1    | Fitting-Elbow, 90     |
| 11:1 | 237-80      | 1    | O-Ring                |

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 12   | 353-987     | 2    | Fitting-HYD, 90 DEG (Barbed) |
| 12:1 | 237-81      | 1    | O-Ring                       |
| 13   | 340-155     | 4    | Fitting-HYD, Straight        |
| 13:1 | 237-79      | 1    | O-Ring                       |
| 13:2 | 237-151     | 1    | O-Ring                       |
| 14   | 110-5536    | 1    | Fitting-HYD, Adapter         |
| 14:1 | 237-78      | 1    | O-Ring                       |
| 15   | 104-7201    | 2    | Nut-HF                       |
| 16   | 105-0204    | 1    | Strainer Fitting ASM         |
| 16:1 | 237-146     | 1    | O-Ring                       |
| 17   | 117-3389    | 1    | Cap-Tank, Hydraulic          |
| 17:1 | 237-101     | 1    | O-Ring                       |
| 18   | 340-157     | 1    | Fitting-HYD, Tee             |
| 18:1 | 237-79      | 1    | O-Ring                       |
| 18:2 | 237-30      | 2    | O-Ring                       |
| 19   | 94-7220     | 1    | Fitting-Barb, Hose           |
| 20   | 340-96      | 1    | Adapter                      |
| 20:1 | 237-30      | 1    | O-Ring                       |
| 20:2 | 237-42      | 1    | O-Ring                       |
| 21   | 353-989     | 1    | Plug-Hex, Hollow             |



## Deck Lift Valve and Hydraulic Fitting Assembly (continued)

| Ref. | Part Number | Qty. | Description         | Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|------|-------------|------|---------------------|
| 21:1 | 237-42      | 1    | O-Ring              | 30:2 | 237-42      | 1    | O-Ring              |
| 22   | 104-8301    | 2    | Nut-Flange, NI      | 31   | 321-11      | 2    | Screw-HH            |
| 23   | 354-73      | 1    | Fitting-Straight    | 32   | 115-0355-03 | 1    | Plate-Mount, Valve  |
| 23:1 | 237-81      | 1    | O-Ring              | 33   | 340-94      | 1    | Adapter             |
| 24   | 340-5       | 1    | Fitting-Straight    | 33:1 | 237-22      | 2    | O-Ring              |
| 24:1 | 237-42      | 1    | O-Ring              | 33:2 | 237-42      | 1    | O-Ring              |
| 24:2 | 237-30      | 1    | O-Ring              | 34   | 340-82      | 1    | Adapter ASM         |
| 25   | 340-101     | 1    | Fitting-HYD, 45 DEG | 34:1 | 237-42      | 1    | O-Ring              |
| 25:1 | 237-30      | 1    | O-Ring              | 34:2 | 237-21      | 1    | O-Ring              |
| 25:2 | 237-79      | 1    | O-Ring              | 35   | 323-8       | 2    | Screw-HH            |
| 26   | 63-9750     | 2    | Mount               | 36   | 32144-15    | 4    | Screw-HHFTF         |
| 27   | 115-0356    | 1    | Deck Lift Valve ASM | 37   | 340-103     | 1    | Fitting-HYD, 45 DEG |
| 28   | 63-8410     | 2    | Washer              | 37:1 | 237-78      | 1    | O-Ring              |
| 29   | 340-132     | 2    | Fitting-HYD, 90 DEG | 37:2 | 237-21      | 1    | O-Ring              |
| 29:1 | 237-78      | 1    | O-Ring              | 38   | 115-8886    | 1    | Nipple-Test         |
| 29:2 | 237-21      | 1    | O-Ring              | 39   | 354-79      | 1    | Cap-Dust            |
| 30   | 340-77      | 1    | Fitting-HYD, 90 DEG | 40   | 3256-23     | 2    | Washer-Flat         |
| 30:1 | 237-22      | 1    | O-Ring              |      |             |      |                     |

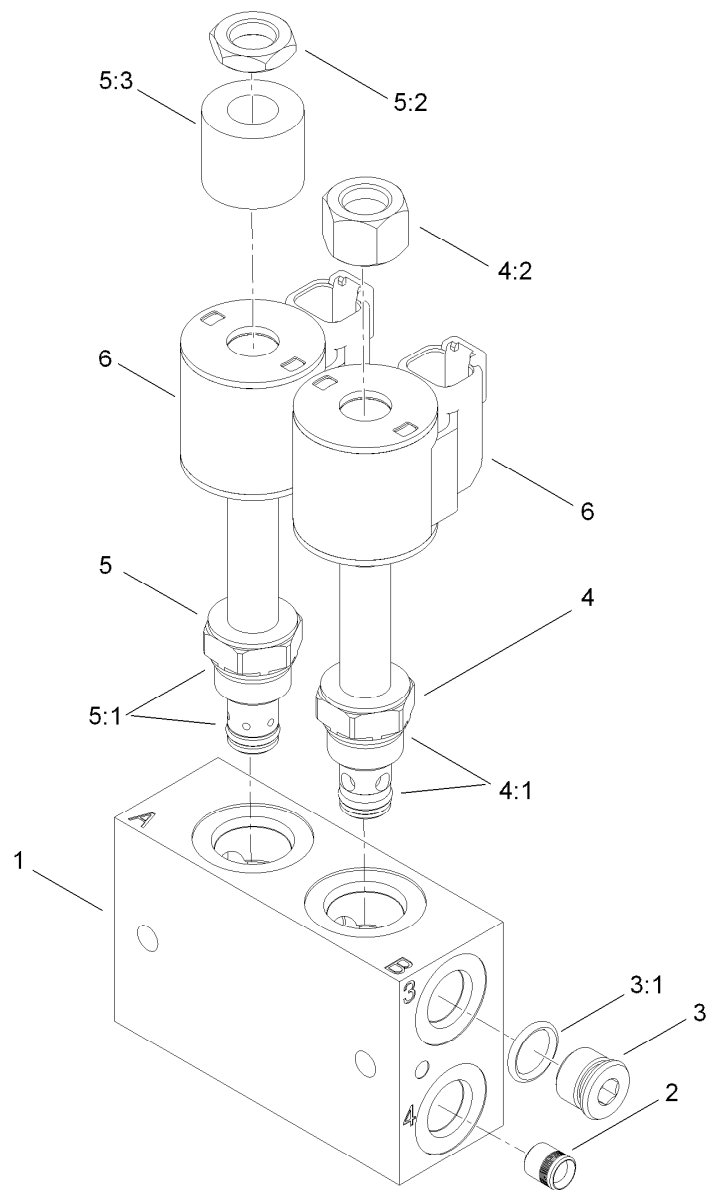


## Hydraulic Gear Pump Assembly No. 115-0375

| 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

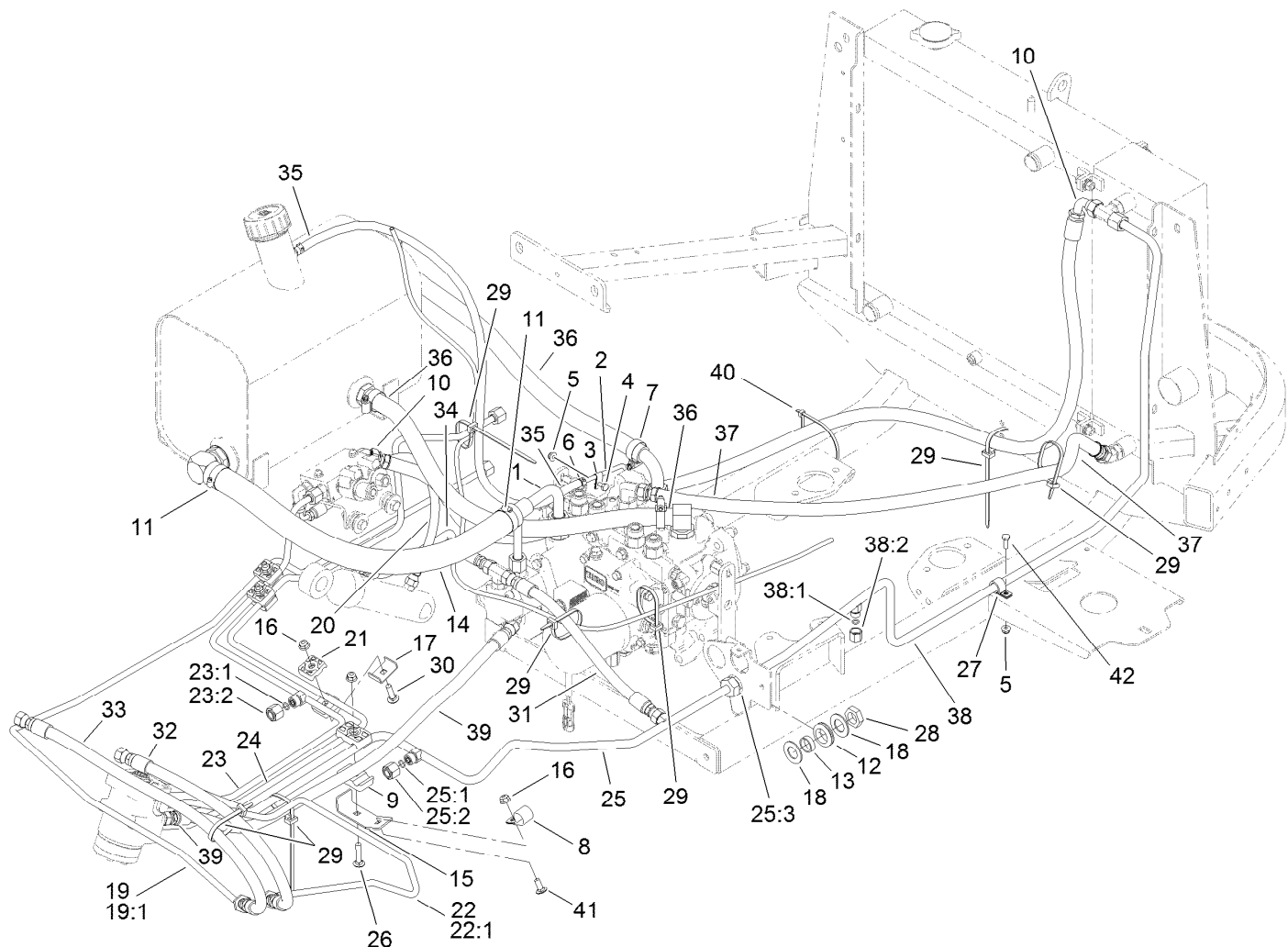




## Deck Lift Valve Assembly No. 115-0356

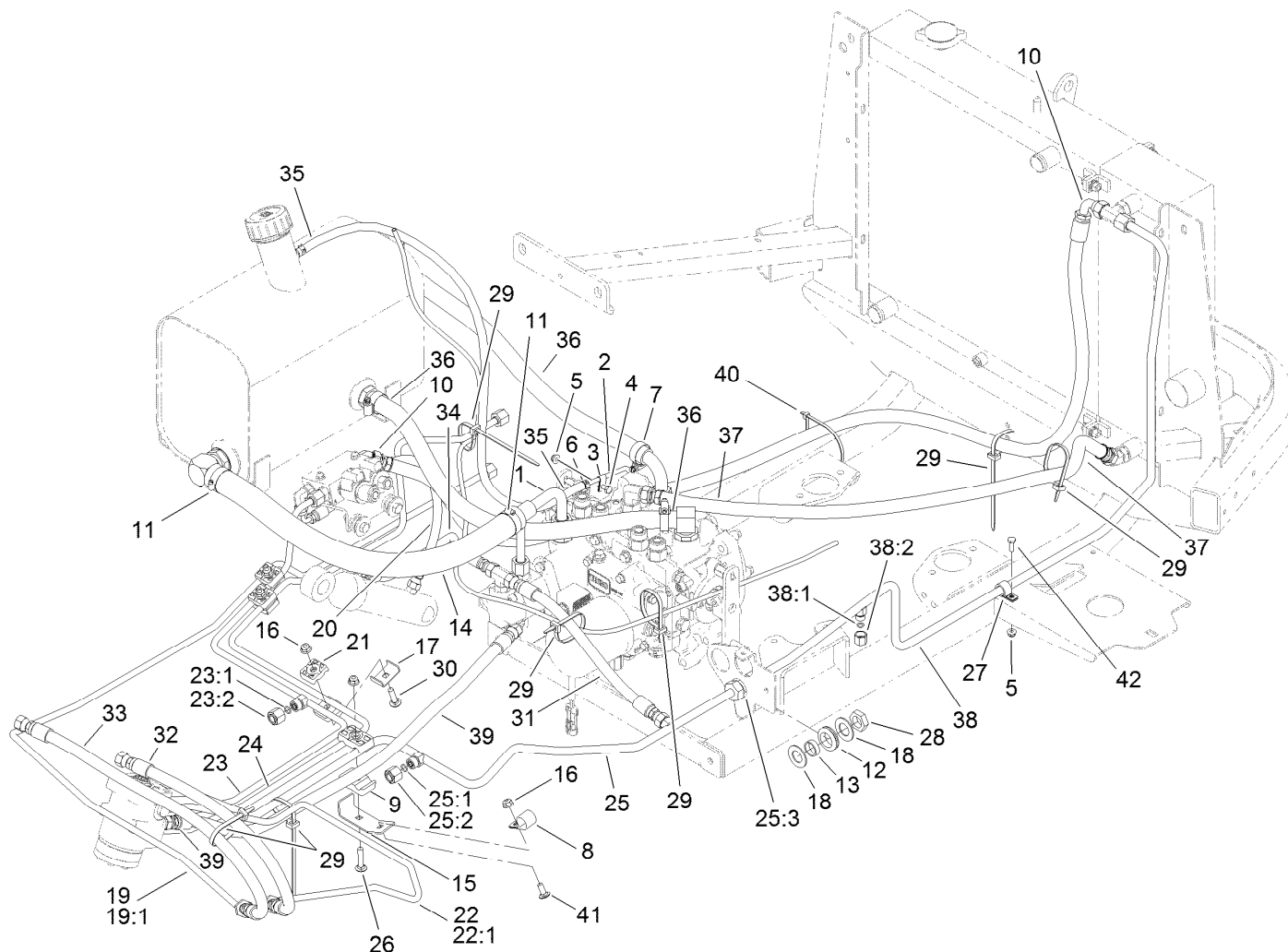
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    |             | 1    | Block-Manifold ● |
| 2    |             | 1    | Plug ●           |
| 3    | 353-512     | 1    | Plug             |
| 3:1  | 237-78      | 1    | O-Ring           |
| 4    | 107-7517    | 1    | Valve-Solenoid   |
| 4:1  | 105-9156    | 1    | Seal Kit         |
| 4:2  | 107-7812    | 1    | Nut-Solenoid     |
| 5    | 110-8898    | 1    | Valve-Solenoid   |
| 5:1  | 107-7527    | 1    | Seal Kit         |
| 5:2  | 110-2634    | 1    | Nut-Coil         |
| 5:3  | 110-8909    | 1    | Spacer-Coil      |
| 6    | 119-8036    | 1    | E Coil-12 Vdc    |

● Not serviced separately



## Hydraulic Tube and Hose Assembly

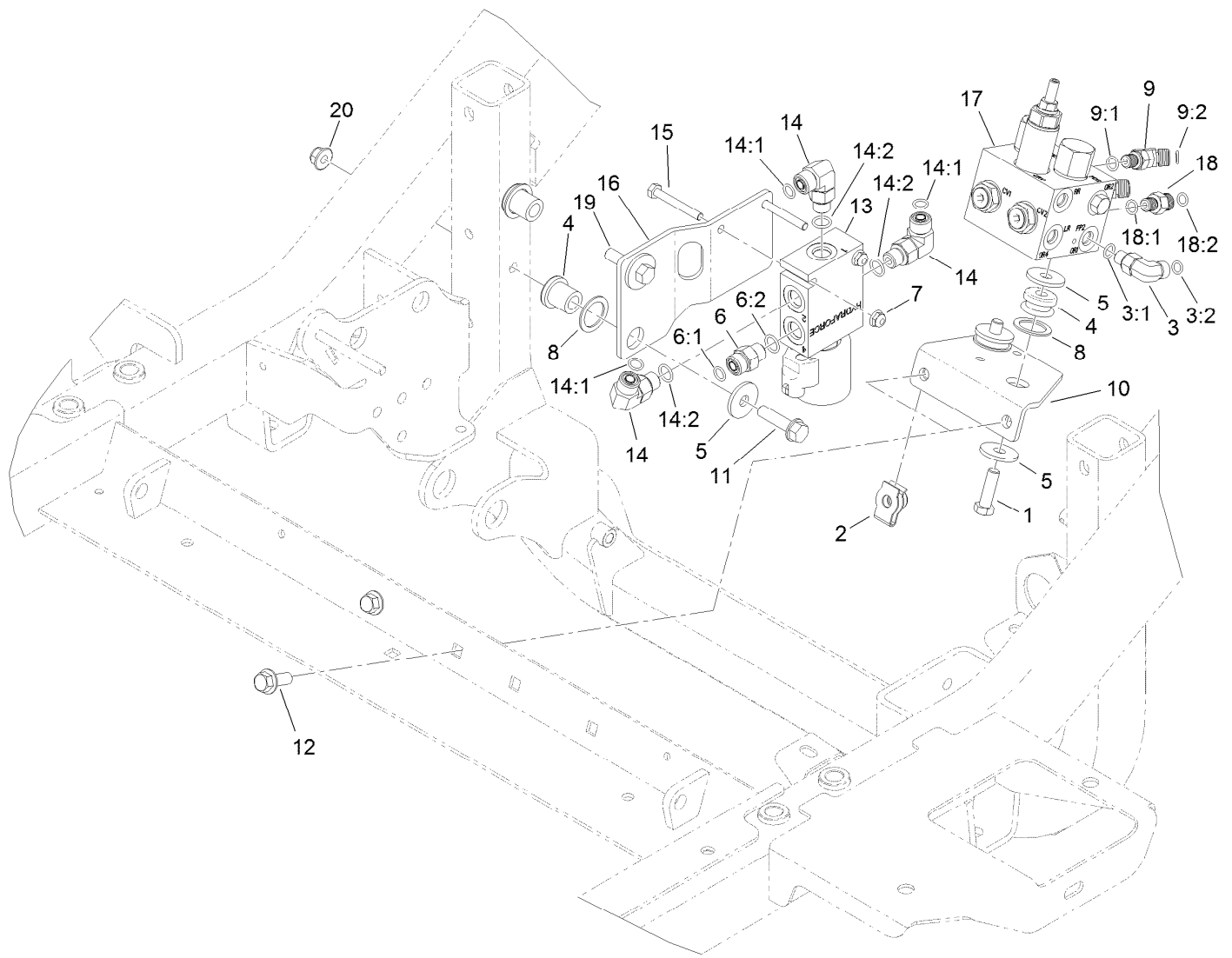
| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description             |
|------|-------------|------|------------------------|------|-------------|------|-------------------------|
| 1    | 115-0184    | 1    | Suction Tube ASM       | 20   | 112-9185    | 1    | Hose ASM                |
| 2    | 110-5537    | 1    | Tube                   | 21   | 56-7973     | 6    | Clamp-Tube              |
| 3    | 2412-72     | 1    | Clip-Closed, Insulated | 22   | 117-3110    | 1    | Front Steering Tube ASM |
| 4    | 321-4       | 1    | Screw-HH               | 22:1 | 237-22      | 1    | O-Ring                  |
| 5    | 104-7201    | 2    | Nut-HF                 | 23   | 117-3111    | 1    | Steering Lift Tube ASM  |
| 6    | 2412-98     | 2    | Clamp-Hose             | 23:1 | 237-22      | 1    | O-Ring                  |
| 7    | 2412-129    | 4    | Clamp-Hose             | 23:2 | 340-117     | 1    | Cap                     |
| 8    | 2412-4      | 1    | Clamp                  | 24   | 117-3112    | 1    | Tube-Steering, Manifold |
| 9    | 56-7972     | 2    | Clamp-Tube             | 25   | 117-3113    | 1    | Steering Drain Tube ASM |
| 10   | 117-3129    | 1    | Hose ASM               | 25:1 | 237-22      | 2    | O-Ring                  |
| 11   | 2412-34     | 2    | Clamp-Hose             | 25:2 | 340-117     | 1    | Cap                     |
| 12   | 240-5       | 1    | Grommet                | 25:3 | 237-30      | 1    | O-Ring                  |
| 13   | 69-8960     | 1    | Spacer                 | 26   | 3230-4      | 1    | Screw-CARR              |
| 14   | 117-3200    | 1    | Hose-Suction           | 27   | 2412-87     | 1    | Clamp-Cable             |
| 15   | 120-0245    | 1    | Bracket-Support        | 28   | 340-127     | 1    | Nut-Bulkhead            |
| 16   | 104-8300    | 5    | Nut-Flange, NI         | 29   | 3290-378    | 2    | Tie-Cable               |
| 17   | 119-1418    | 3    | Plate-Clamp            | 30   | 3230-3      | 3    | Screw-CARR              |
| 18   | 69-8930     | 2    | Washer                 | 31   | 117-3122    | 1    | Hose ASM                |
| 19   | 117-3117    | 1    | Front Cylinder Steer   | 32   | 119-1433    | 1    | Hose ASM                |
| 19:1 | 237-22      | 1    | Manifold Tube ASM      | 33   | 100-5629    | 1    | Hose ASM                |
|      |             |      | O-Ring                 | 34   | 117-3123    | 1    | Hose-HYD                |



## Hydraulic Tube and Hose Assembly (continued)

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 35   | 109-0275    | 1    | Hose-Fuel          |
| 36   | 117-3121    | 2    | Hose ASM           |
| 37   | 117-3128    | 1    | Hose ASM           |
| 38   | 117-3114    | 1    | Tube-Drain, Cooler |
| 38:1 | 237-21      | 1    | O-Ring             |

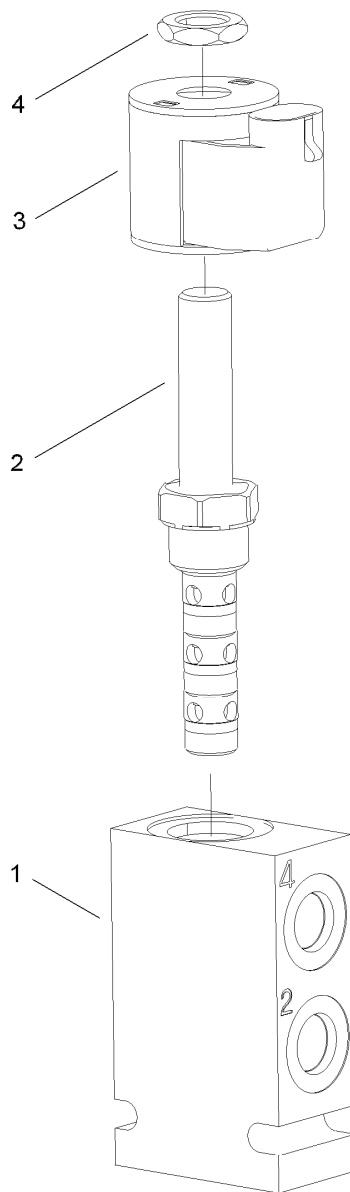
| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 38:2 | 117-3297    | 1    | Fitting-Cap  |
| 39   | 119-8114    | 1    | HYD Hose ASM |
| 40   | 3334-945    | 5    | Tie-Cable    |
| 41   | 3230-23     | 1    | Screw-CARR   |
| 42   | 321-5       | 1    | Screw-HH     |



## Hydraulic Valve Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 323-7       | 2    | Screw-HH              |
| 2    | 105-4886    | 2    | Nut-Tinnerman         |
| 3    | 340-132     | 1    | Fitting-HYD, 90 DEG   |
| 3:1  | 237-78      | 1    | O-Ring                |
| 3:2  | 237-21      | 1    | O-Ring                |
| 4    | 63-9750     | 4    | Mount                 |
| 5    | 63-8410     | 6    | Washer                |
| 6    | 340-2       | 1    | Fitting-HYD, Straight |
| 6:1  | 237-22      | 1    | O-Ring                |
| 6:2  | 237-42      | 1    | O-Ring                |
| 7    | 104-7201    | 2    | Nut-HF                |
| 8    | 1-303352    | 4    | Washer-Spindle        |
| 9    | 340-103     | 2    | Fitting-HYD, 45 DEG   |
| 9:1  | 237-78      | 1    | O-Ring                |
| 9:2  | 237-21      | 1    | O-Ring                |
| 10   | 119-1409-03 | 1    | Mount-Plate           |

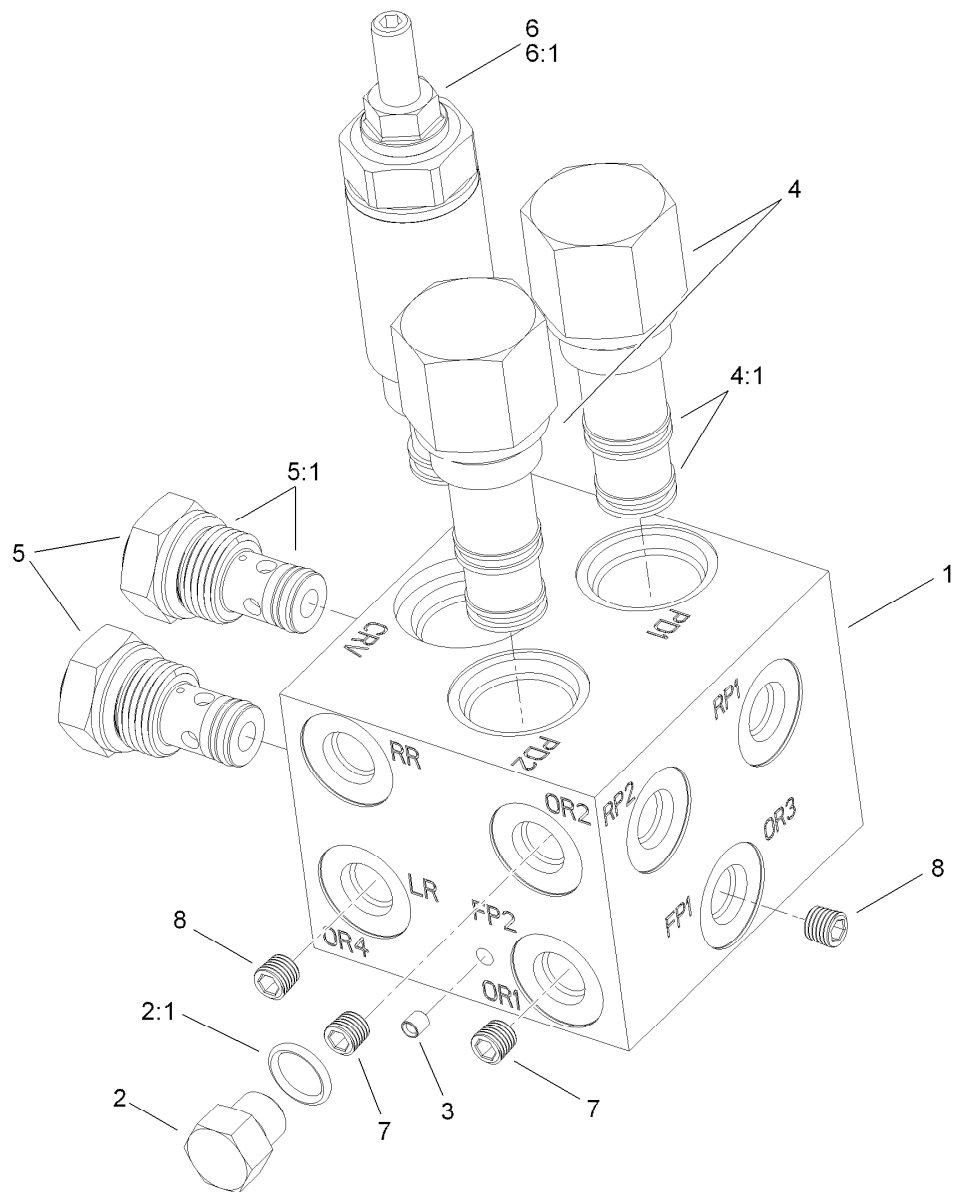
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 11   | 323-20      | 1    | Screw-HH                      |
| 12   | 3234-42     | 2    | Screw-HHF                     |
| 13   | 115-0280    | 1    | Steer Selector Valve ASM      |
| 14   | 340-77      | 3    | Fitting-HYD, 90 DEG           |
| 14:1 | 237-22      | 1    | O-Ring                        |
| 14:2 | 237-42      | 1    | O-Ring                        |
| 15   | 321-11      | 2    | Screw-HH                      |
| 16   | 115-0384-03 | 1    | Plate-Valve Mount             |
| 17   | 117-2247    | 1    | Cross-Trax Traction Valve ASM |
| 18   | 340-92      | 1    | Fitting-HYD, Straight         |
| 18:1 | 237-78      | 1    | O-Ring                        |
| 18:2 | 237-21      | 1    | O-Ring                        |
| 19   | 323-8       | 1    | Screw-HH                      |
| 20   | 104-8301    | 2    | Nut-Flange, NI                |



## 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           |

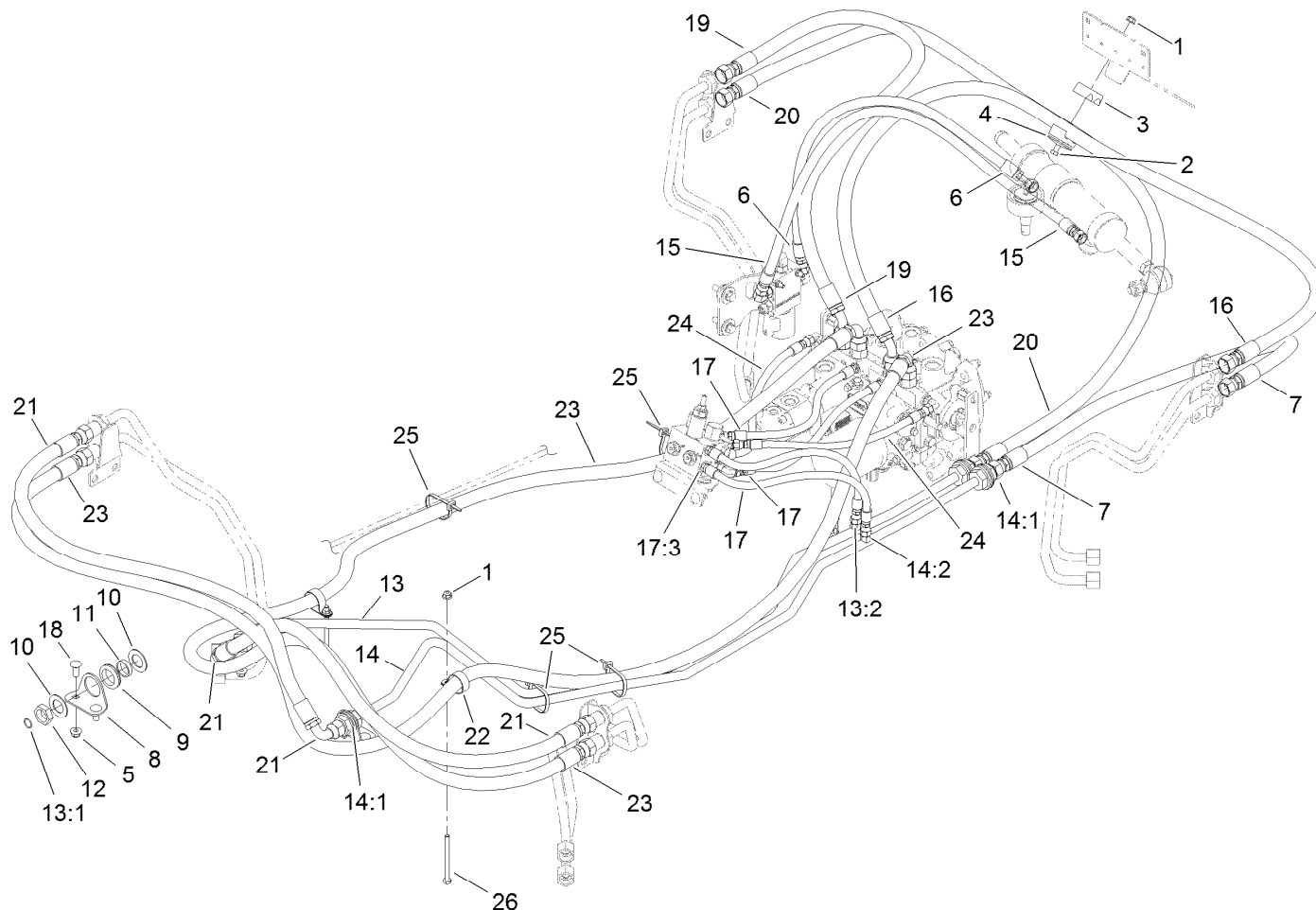
● Not serviced separately



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

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    |             | 1    | Block-Manifold ●         |
| 2    | 117-0115    | 1    | Plug-HYD                 |
| 2:1  | 237-78      | 1    | O-Ring                   |
| 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             |

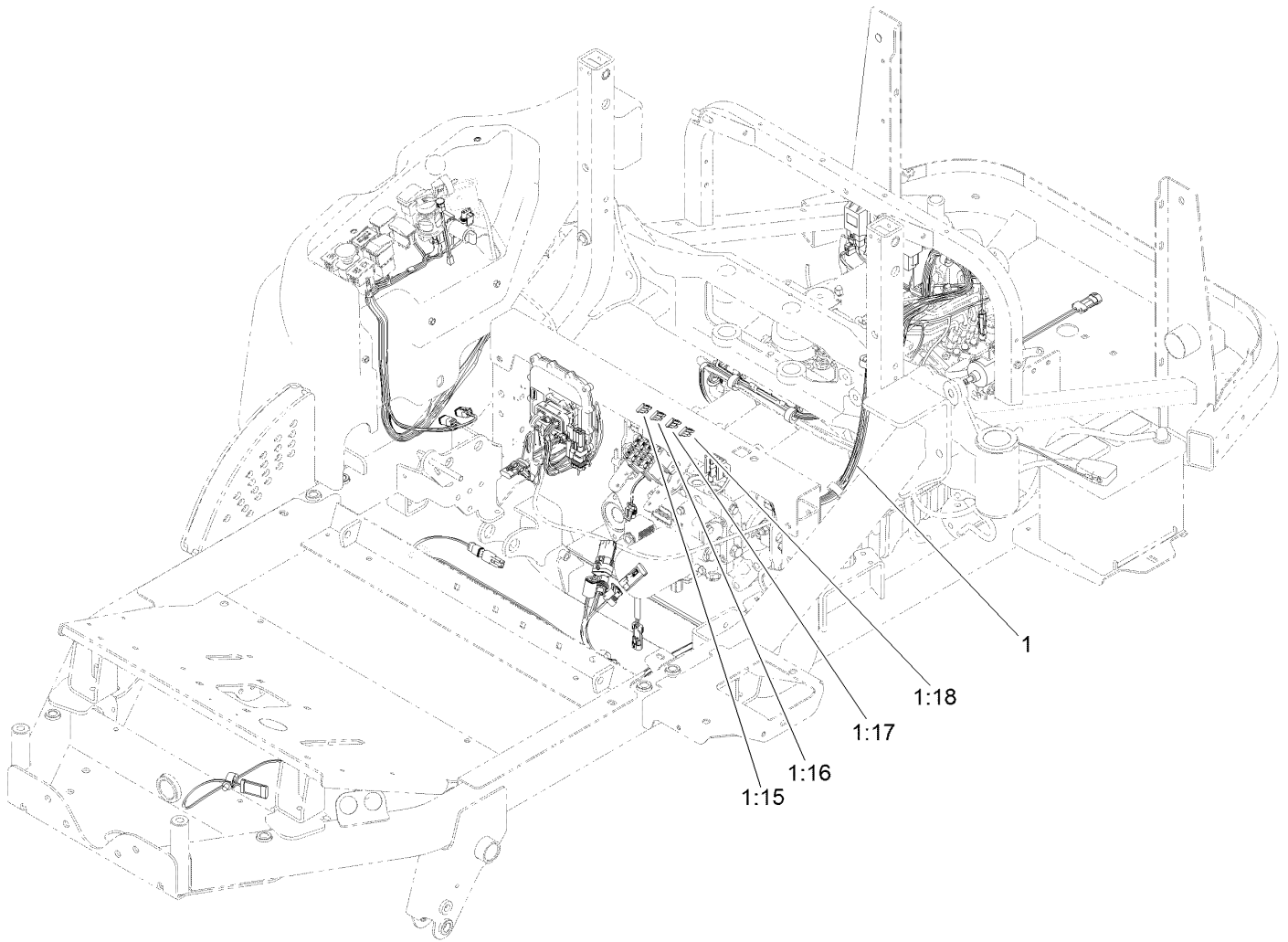
● Not serviced separately



## 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 |

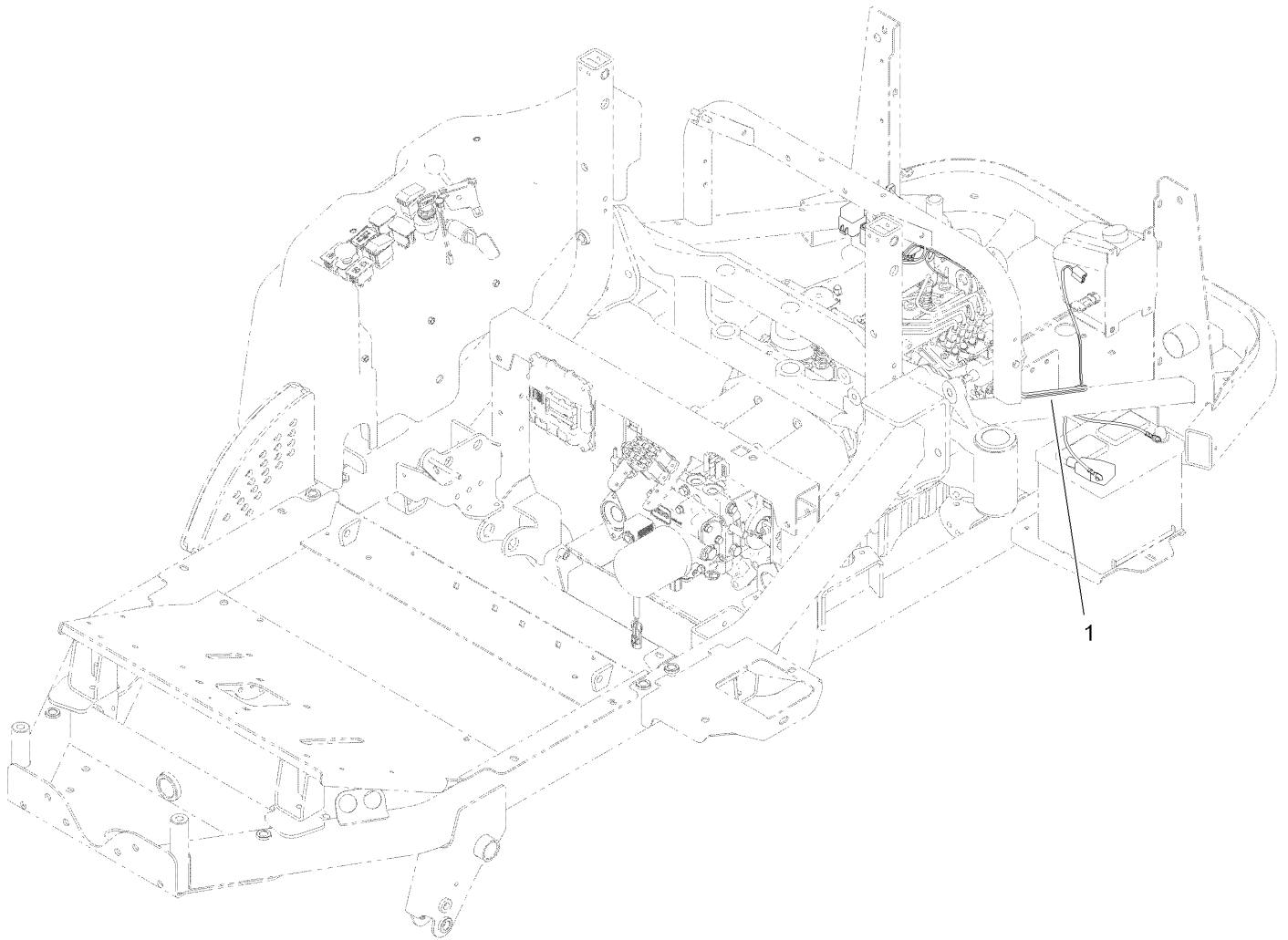
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 14:1 | 237-65      | 2    | O-Ring      |
| 14:2 | 237-21      | 1    | O-Ring      |
| 15   | 119-1432    | 1    | Hose ASM    |
| 16   | 117-3249    | 1    | Hose ASM    |
| 17   | 115-0377    | 4    | Hose ASM    |
| 17:3 | 237-78      | 1    | O-Ring      |
| 18   | 3231-22     | 4    | Screw-CARR  |
| 19   | 117-3130    | 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

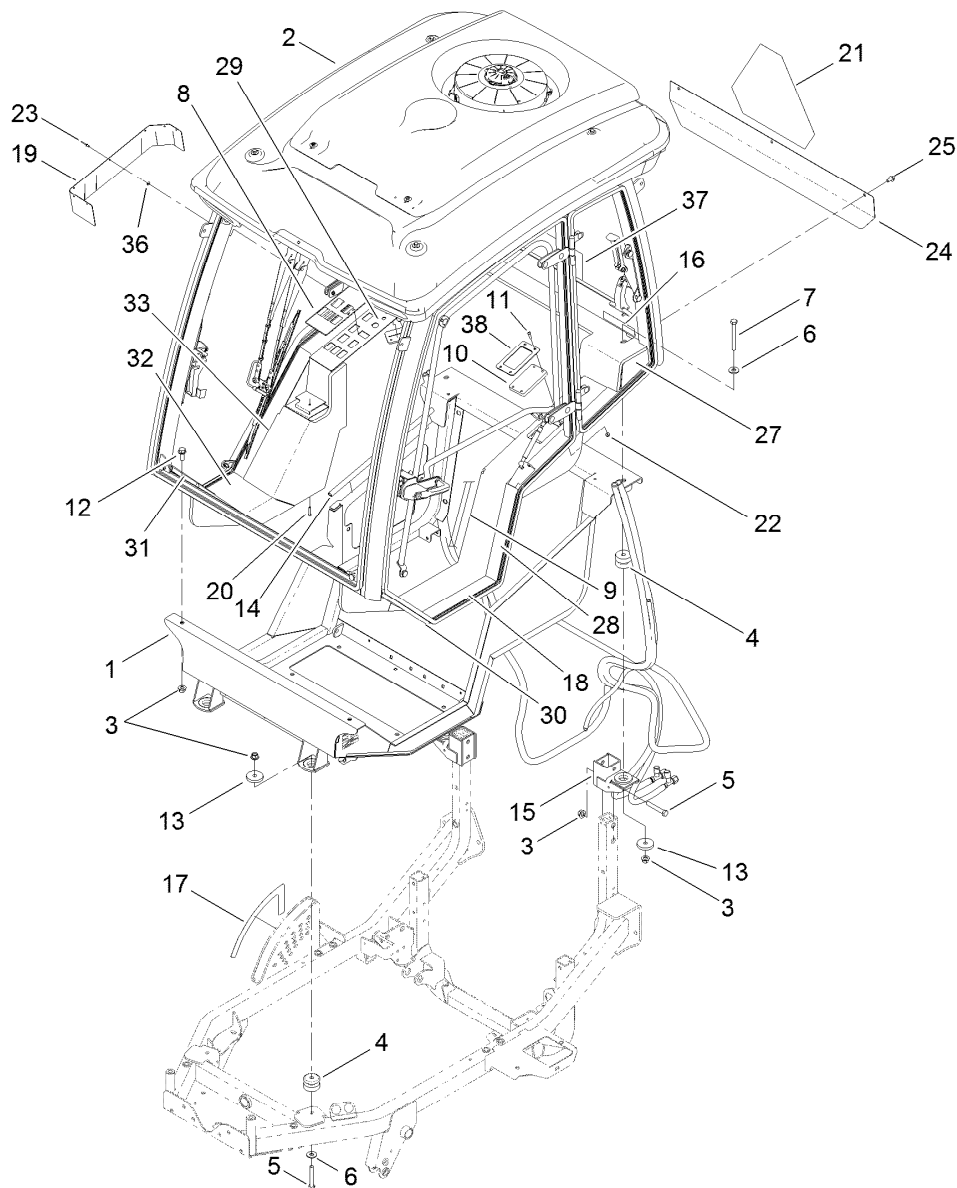
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 122-0170    | 1    | Harness-Wire, 4Wd   |
| 1:15 | 94-6710     | 1    | Fuse-2 Amp          |
| 1:16 | 114241      | 3    | Fuse-Blade, 7.5 Amp |
| 1:17 | 218-578     | 4    | Fuse-Blade,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





## Cab Wire Harness Assembly

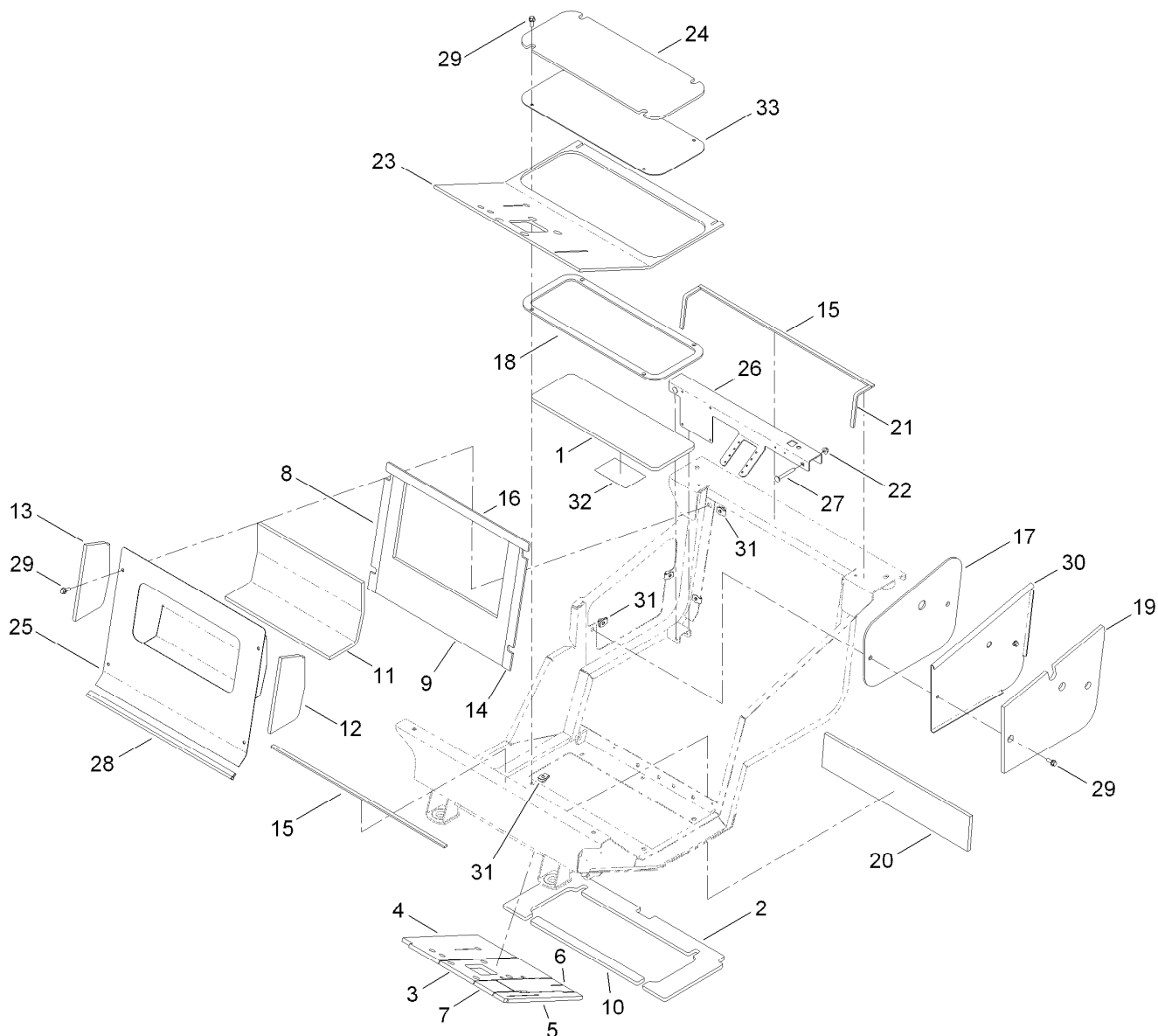
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 119-5767    | 1    | Harness-Wire, Cab |



## Cab Platform Assembly

| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|--------------------------|------|-------------|------|----------------------------|
| 1    | 119-1399-03 | 1    | Platform-Cab             | 19   | 119-9886    | 1    | Shield-Console             |
| 2    |             | 1    | Cab ASM ●                | 20   | 321-13      | 1    | Screw-HH                   |
| 3    | 99-5107     | 10   | Nut-Lock                 | 21   | 120-0250    | 1    | Decal-Warning              |
| 4    | 110-5954    | 4    | Mount-Center, Bonded     | 22   | 107069      | 5    | Clip                       |
| 5    | 112-7264    | 6    | Screw-HH                 | 23   | 3269-23     | 7    | Rivet-Pop                  |
| 6    | 3256-6      | 4    | Washer-Flat              | 24   | 119-9898-03 | 1    | Cover-Hose, Cab            |
| 7    | 702093      | 2    | Screw-HH                 | 25   | 110-9380    | 3    | Screw-HWH                  |
| 8    | 119-9899    | 1    | Decal-Control Panel, Cab | 27   | 119-8088    | 1    | Foam-Interior              |
| 9    | 120-6661    | 1    | Seal-Bulb                | 28   | 119-8077    | 1    | Foam-Interior              |
| 10   | 119-9878    | 1    | Window-Gauge, Fuel       | 29   | 119-8087    | 1    | Foam                       |
| 11   | 3274-65     | 4    | Screw-HSBH               | 30   | 119-8081    | 1    | Foam-Interior              |
| 12   | 3234-38     | 2    | Screw-HHF                | 31   | 119-8082    | 1    | Foam-Interior              |
| 13   | 115-5519    | 4    | Washer-Plain             | 32   | 119-8083    | 1    | Foam-Interior              |
| 14   | 117-3197    | 1    | Seal-Bulb                | 33   | 119-8084    | 1    | Foam-Interior              |
| 15   | 117-3060-03 | 2    | Cab Mount ASM            | 36   | 3269-26     | 7    | Washer-Plain               |
| 16   | 119-0124    | 1    | Decal-Warning            | 37   | 120-0259    | 1    | Decal-Service Instructions |
| 17   | 115-0493    | 1    | Decal-HOC, Cab           | 38   | 120-0317-03 | 1    | Plate-Cover                |
| 18   | 119-8085    | 1    | Mat-Floor, Step          |      |             |      |                            |

● Not serviced separately

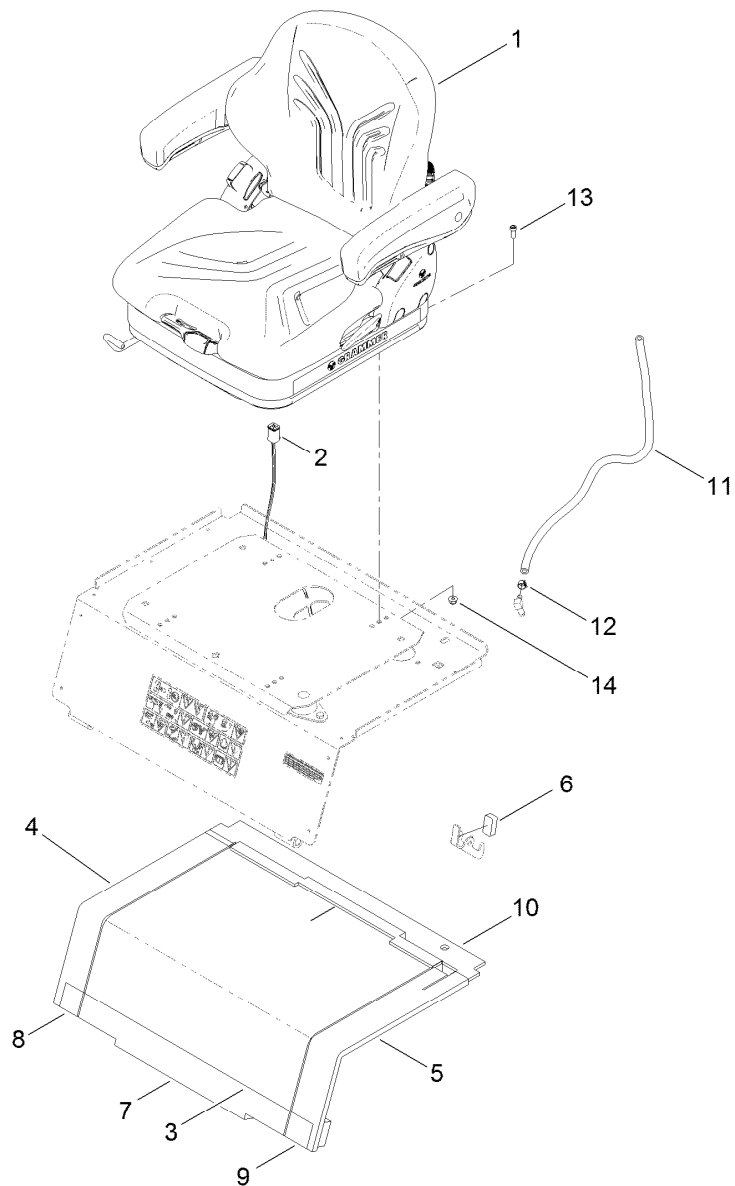


## Foam Installation Assembly

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

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

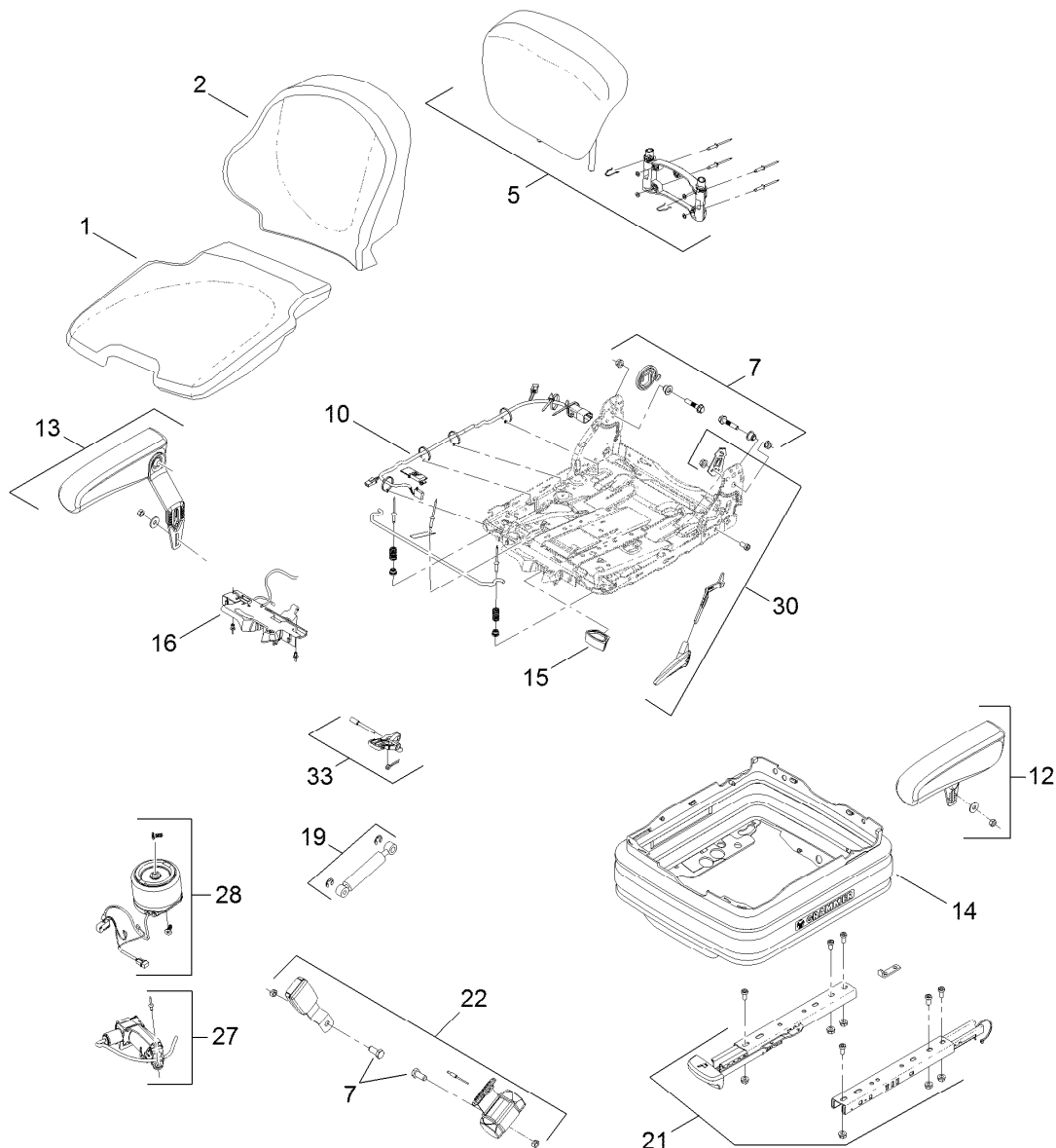




## Seat Assembly

| 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

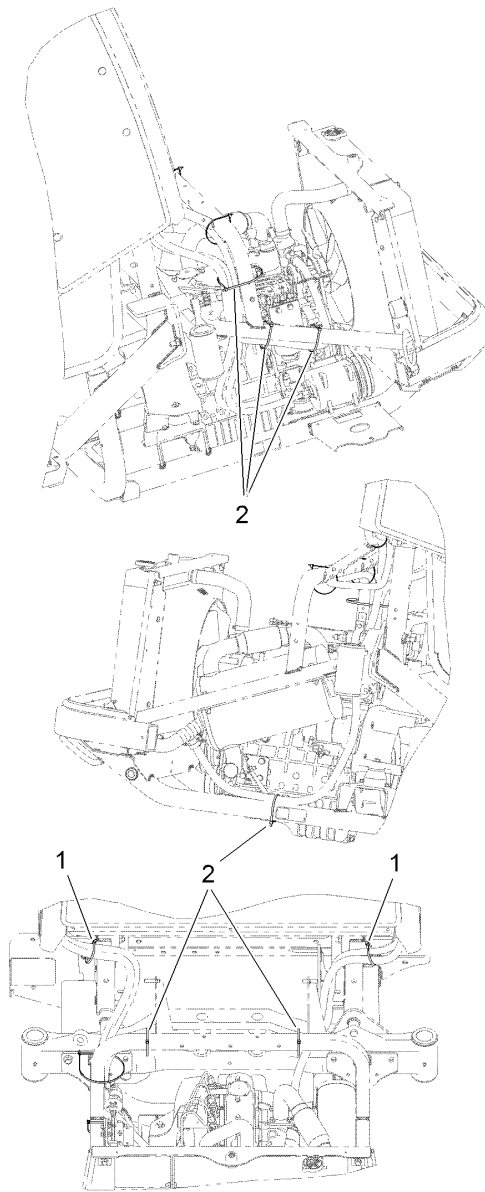


## Cloth Air Ride Seat Assembly

| 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                        |

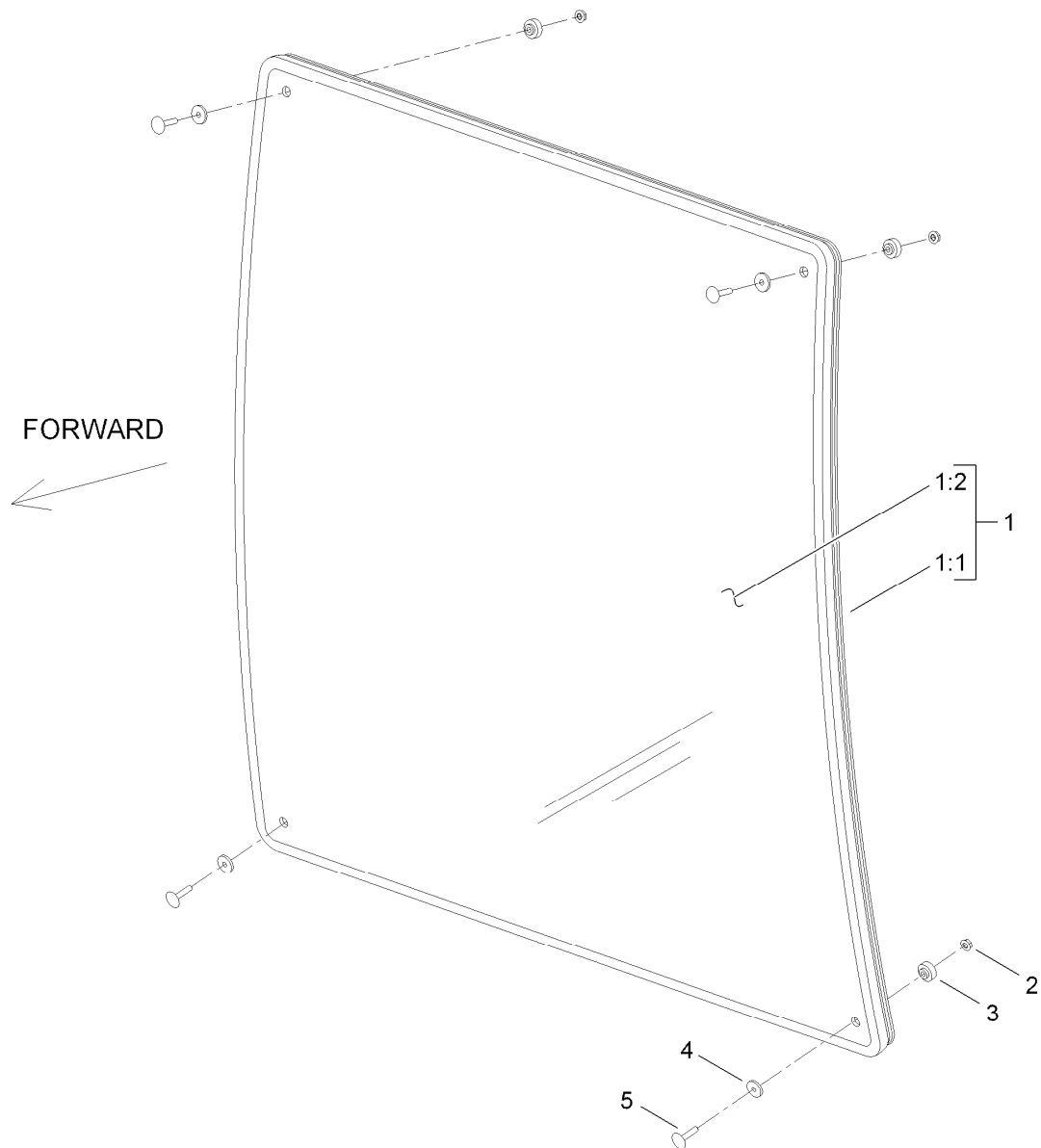
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 15   | 120-0573    | 1    | Handle                  |
| 16   | 120-0574    | 1    | Housing                 |
| 19   | 120-0575    | 1    | Shock Absorber Kit      |
| 21   | 120-0584    | 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          |

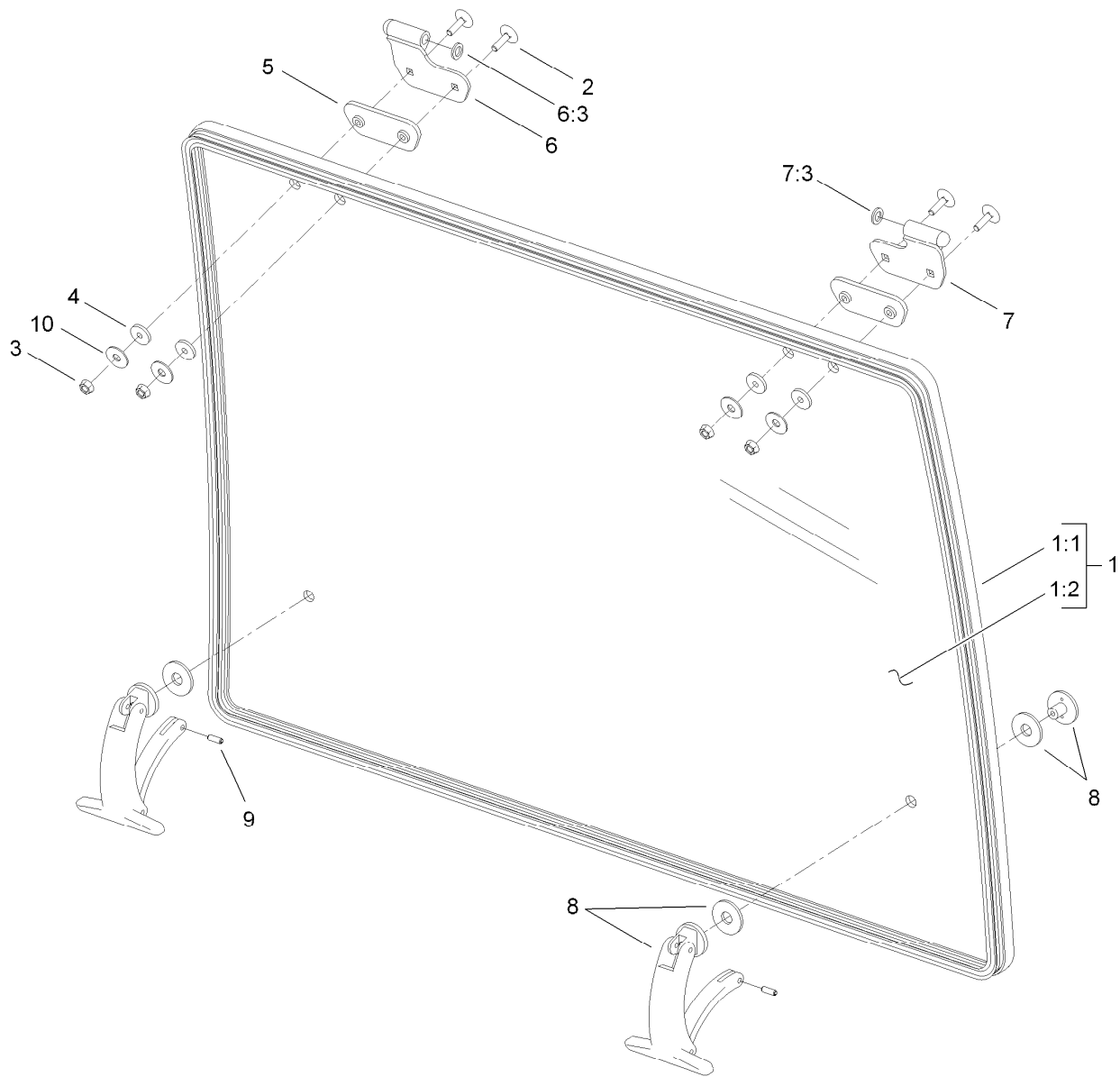


## Cab Windshield Assembly

| 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

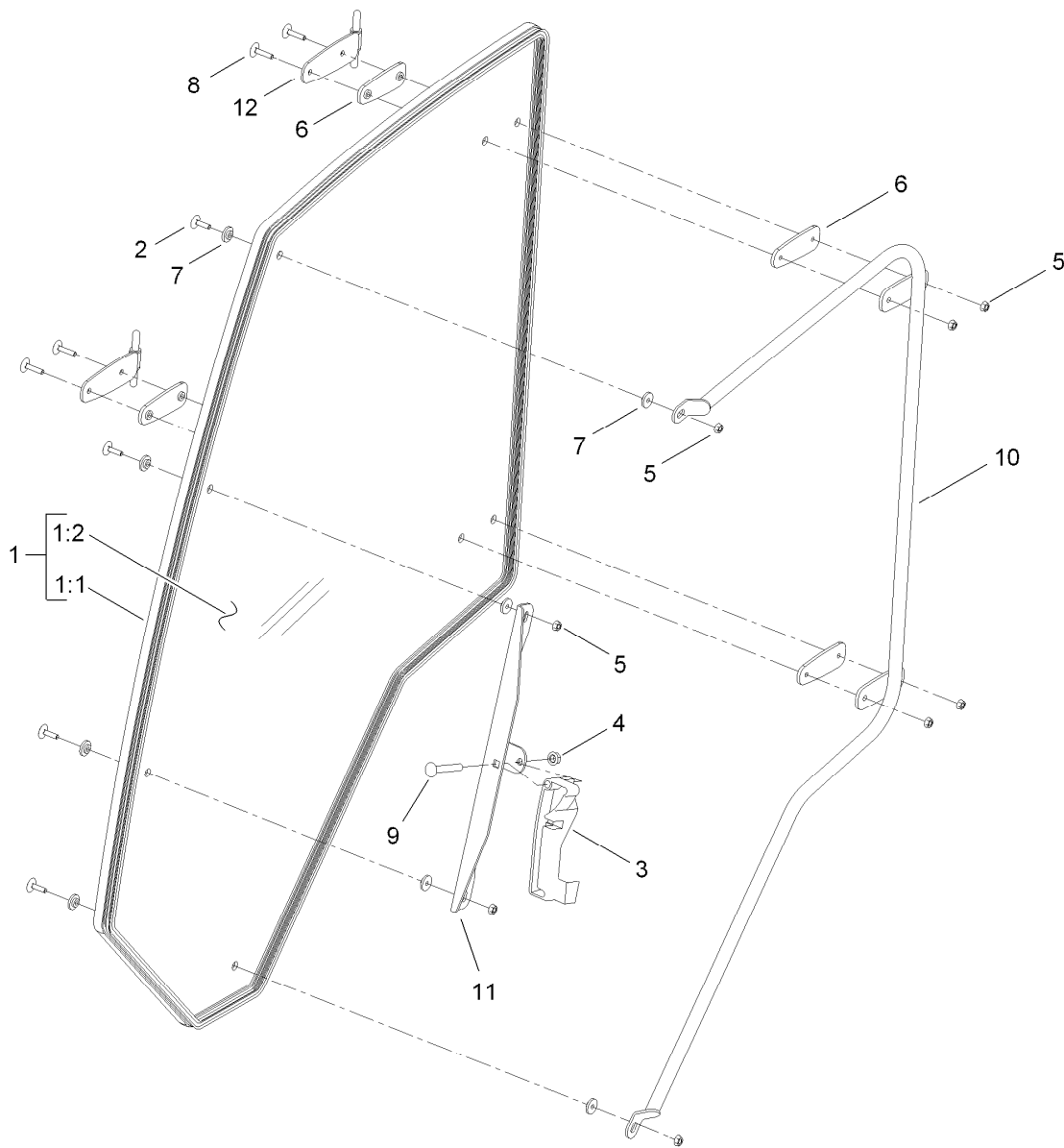




## Cab Rear Window Assembly

| 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                  |

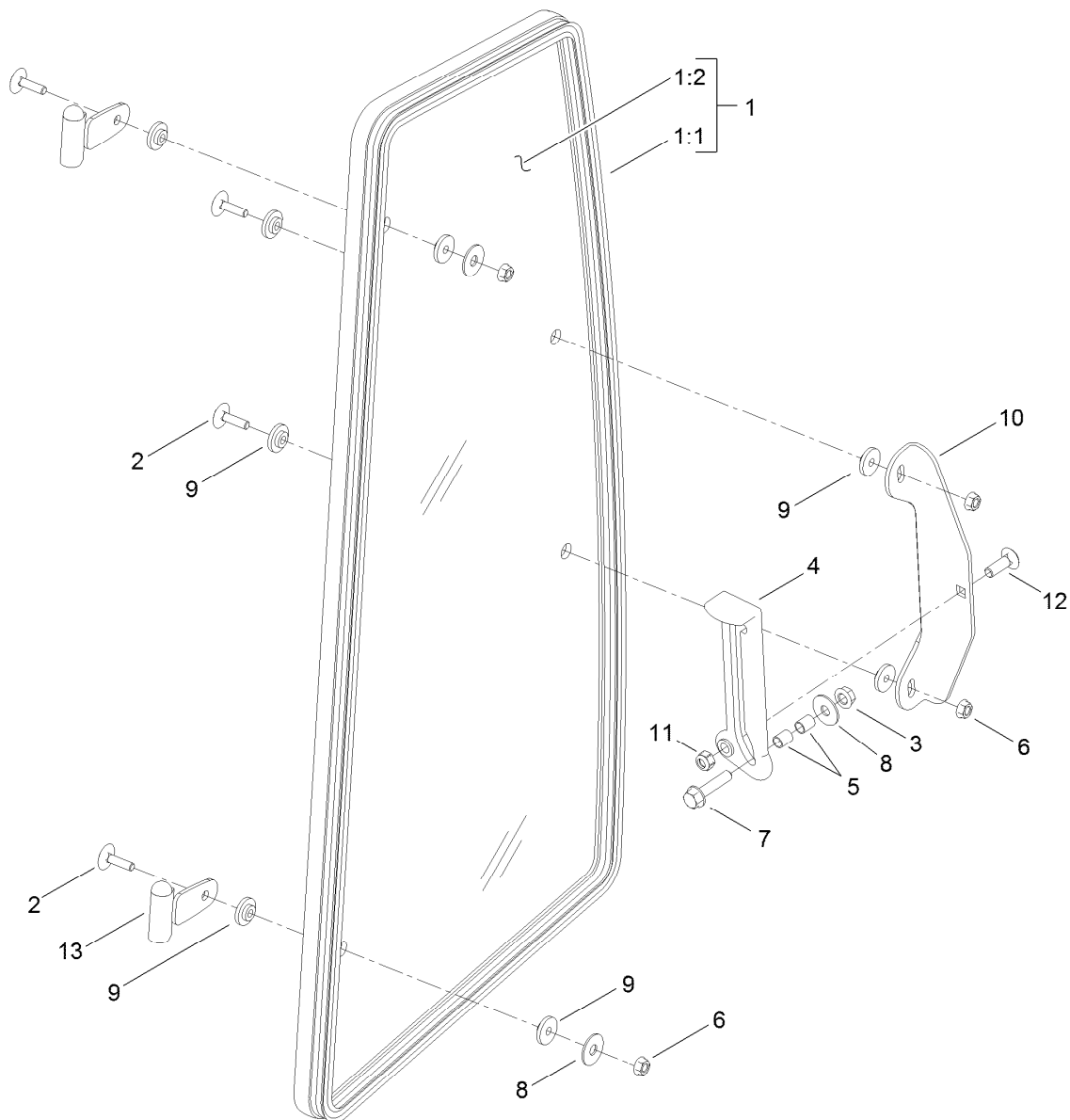
● Not serviced separately



## 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                |

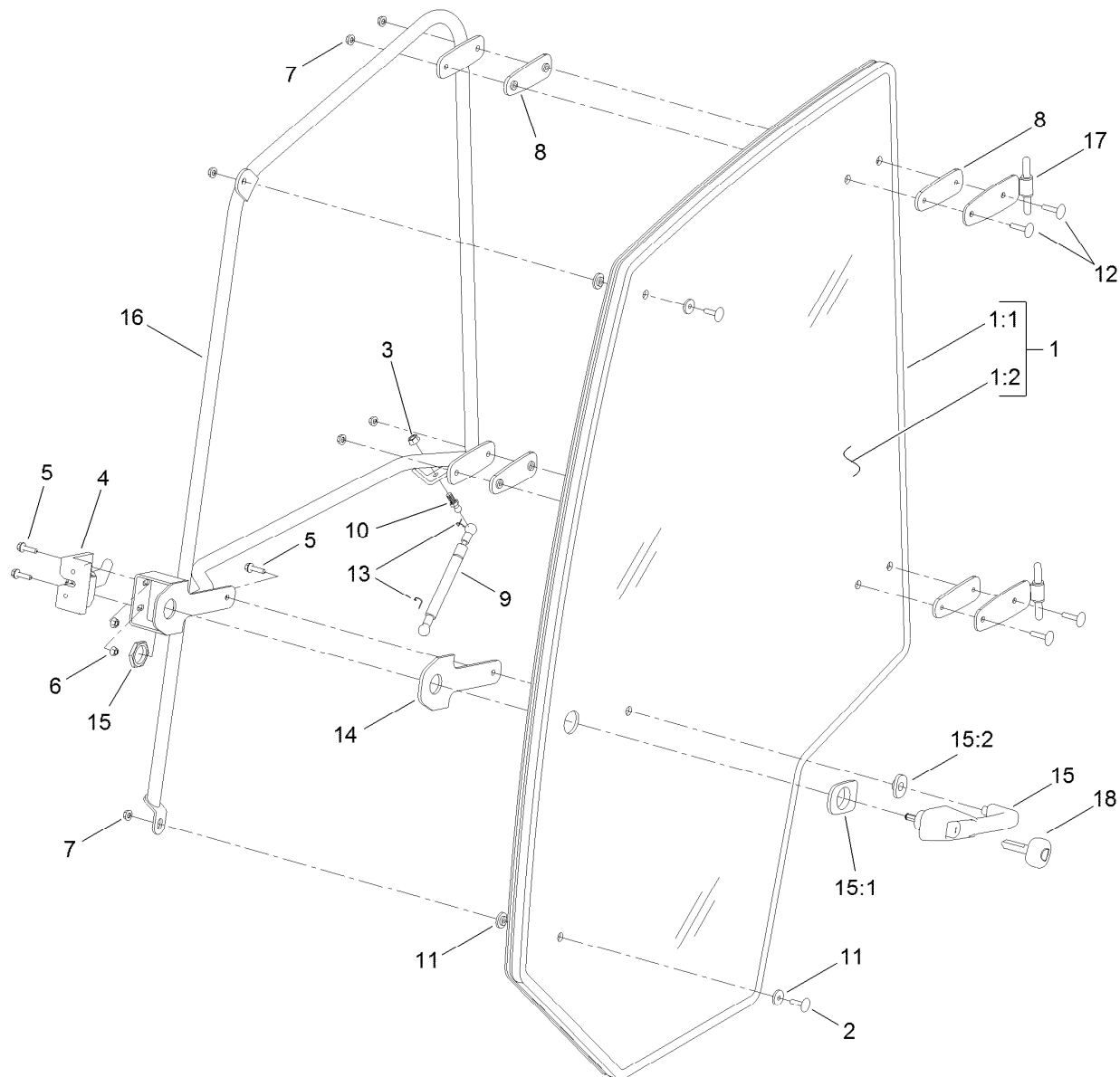
● Not serviced separately



## 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

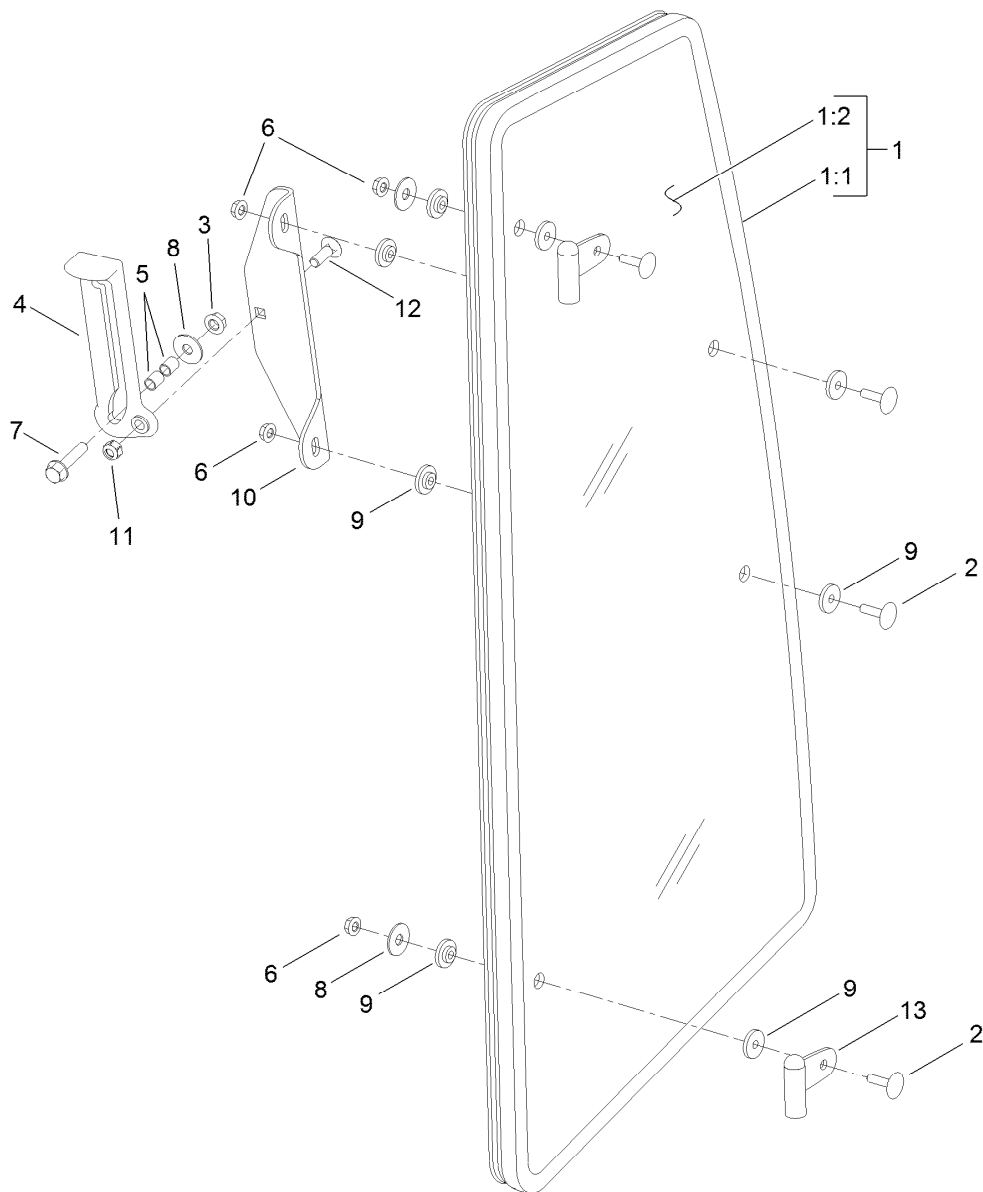


## Cab Left Door Assembly

| 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             |

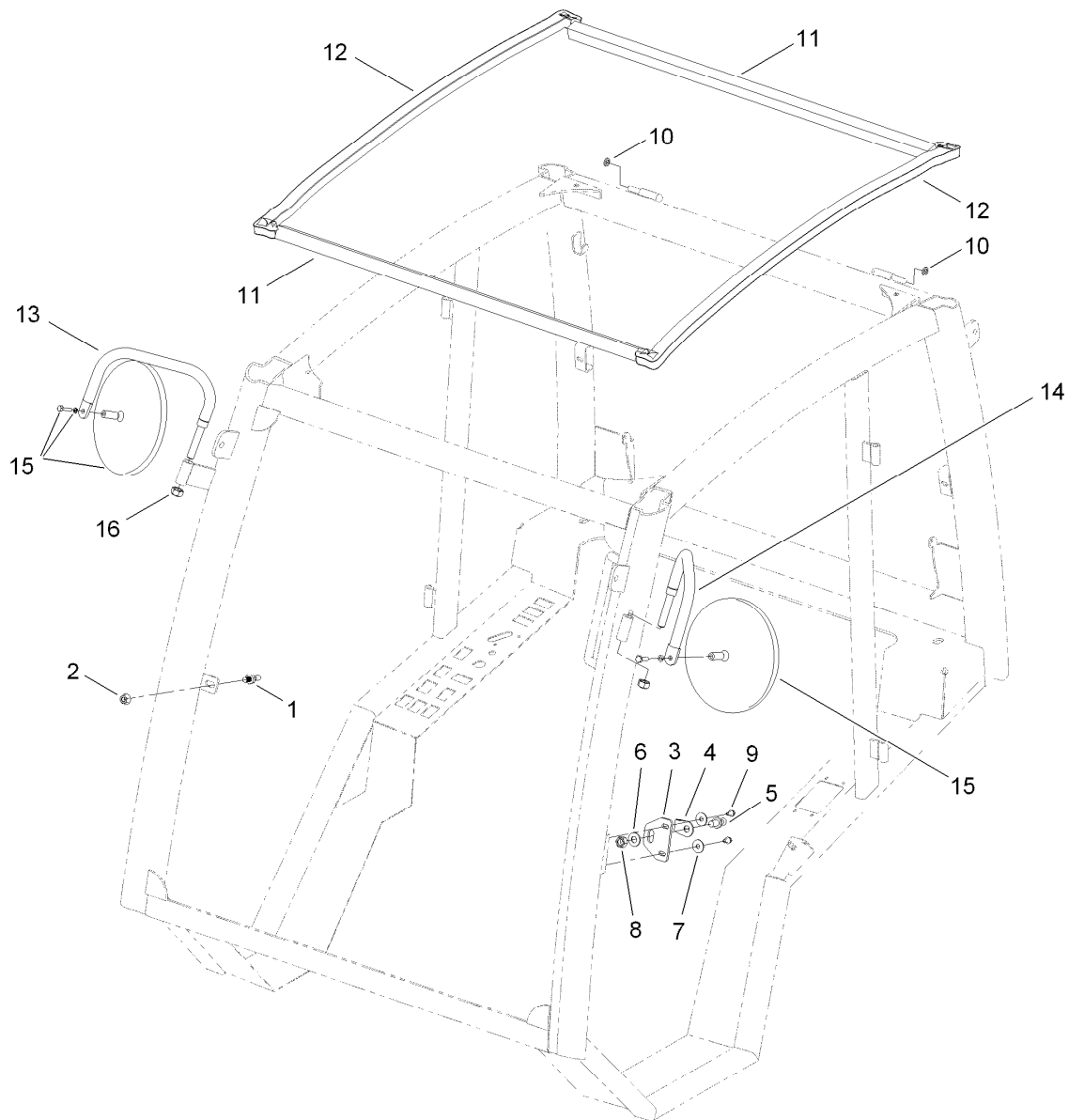
● Not serviced separately



## 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            |

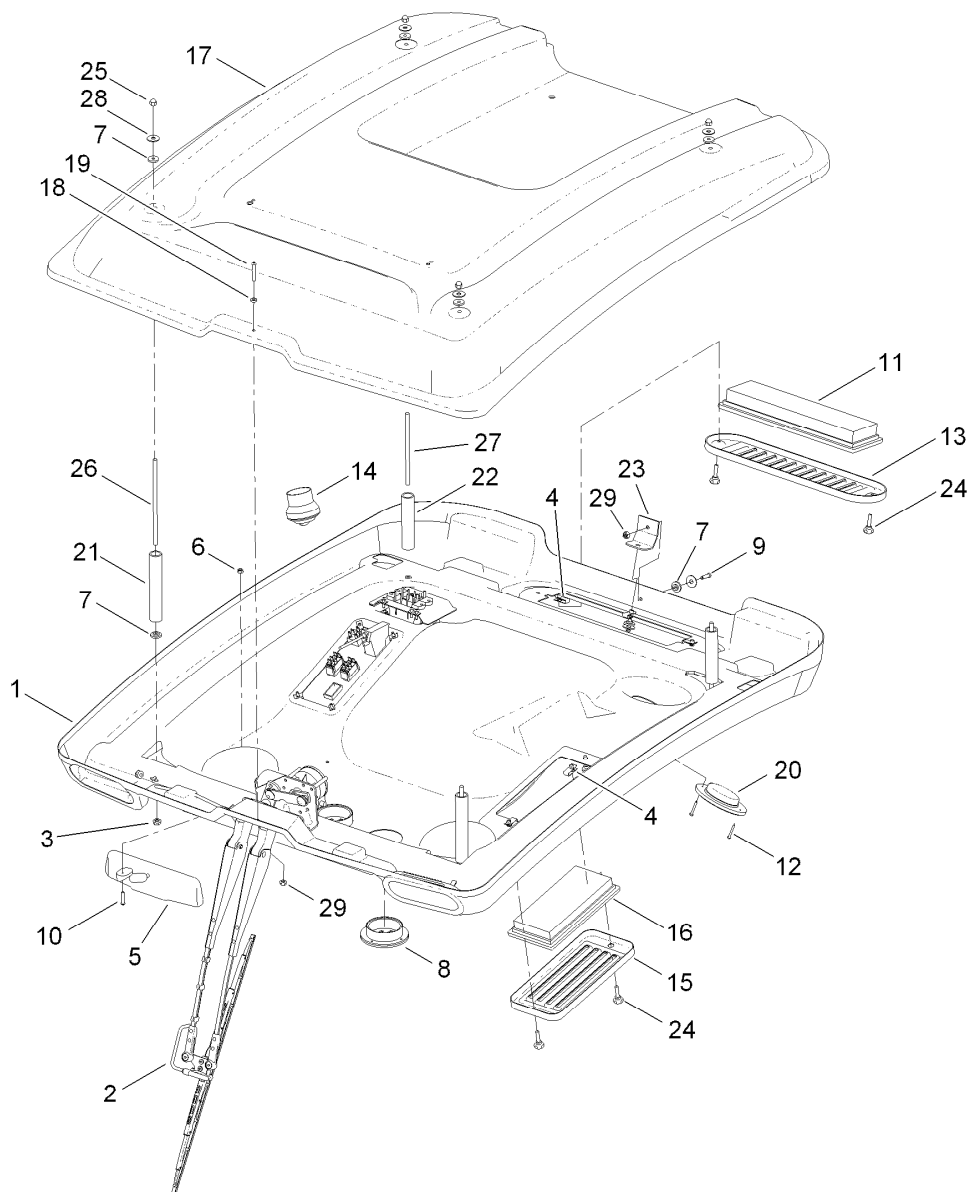
● Not serviced separately



## 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        |

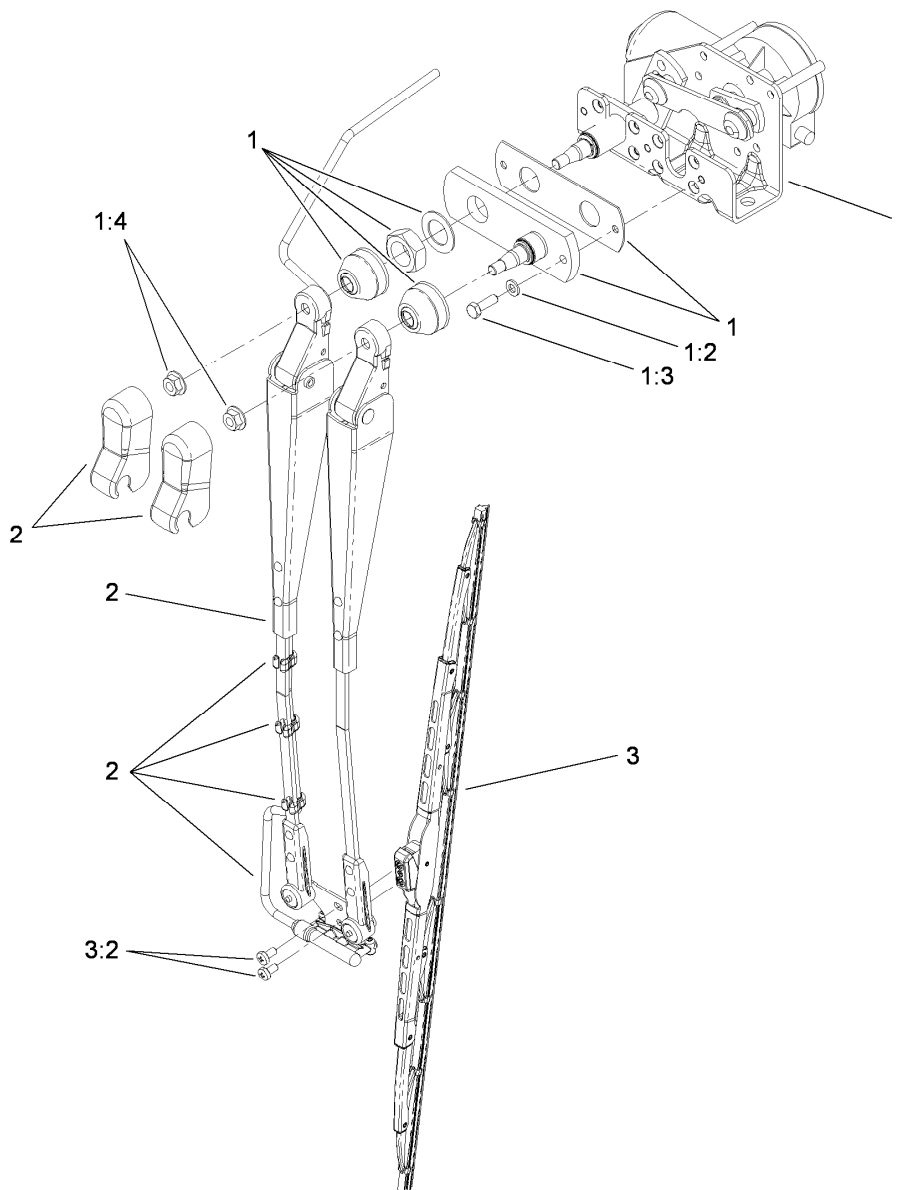
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 9    | 3234-13     | 2    | Screw-HHF              |
| 10   | 115-7696    | 2    | Washer-Hinge, Brass    |
| 11   | 119-5282    | 2    | Seal                   |
| 12   | 119-5283    | 2    | 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      |

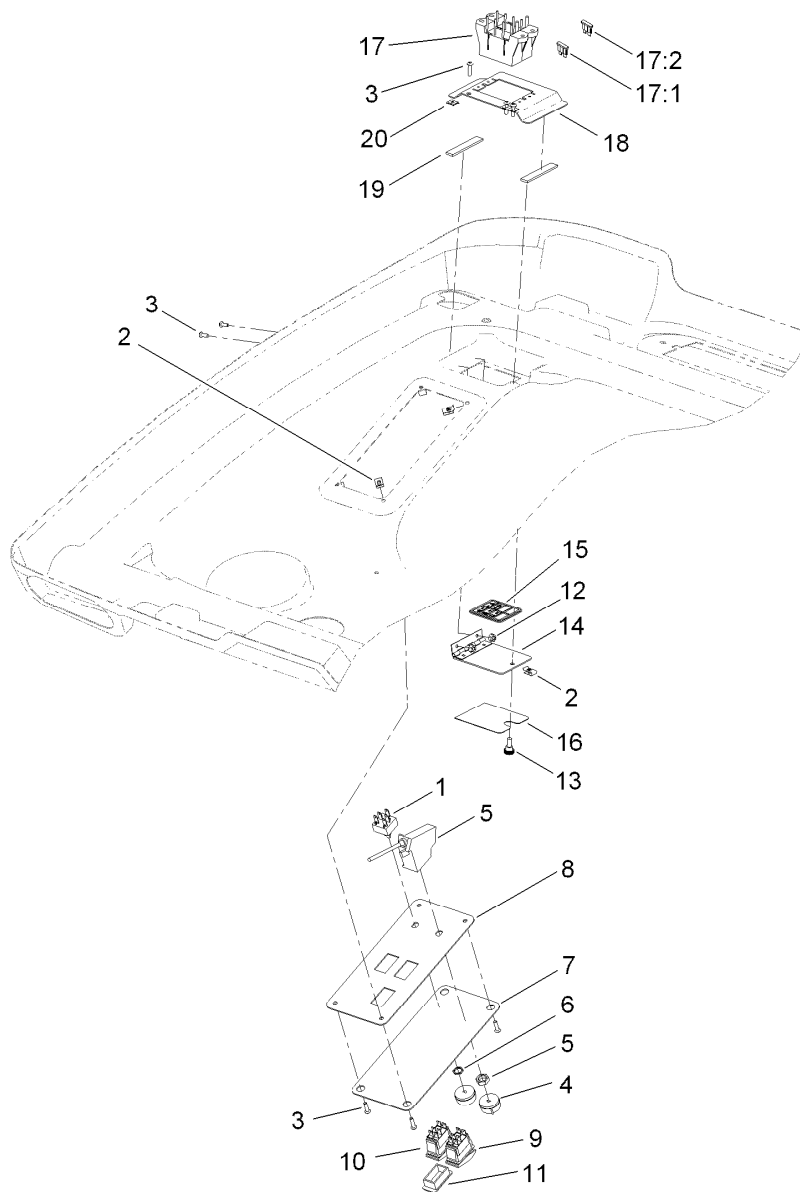
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 16   | 121-3891    | 1    | Filter-Air, Cab Interior   |
| 17   | 119-5288    | 1    | Roof                       |
| 18   | 115-5598    | 1    | Washer-Rubber              |
| 19   | 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-Metric         |

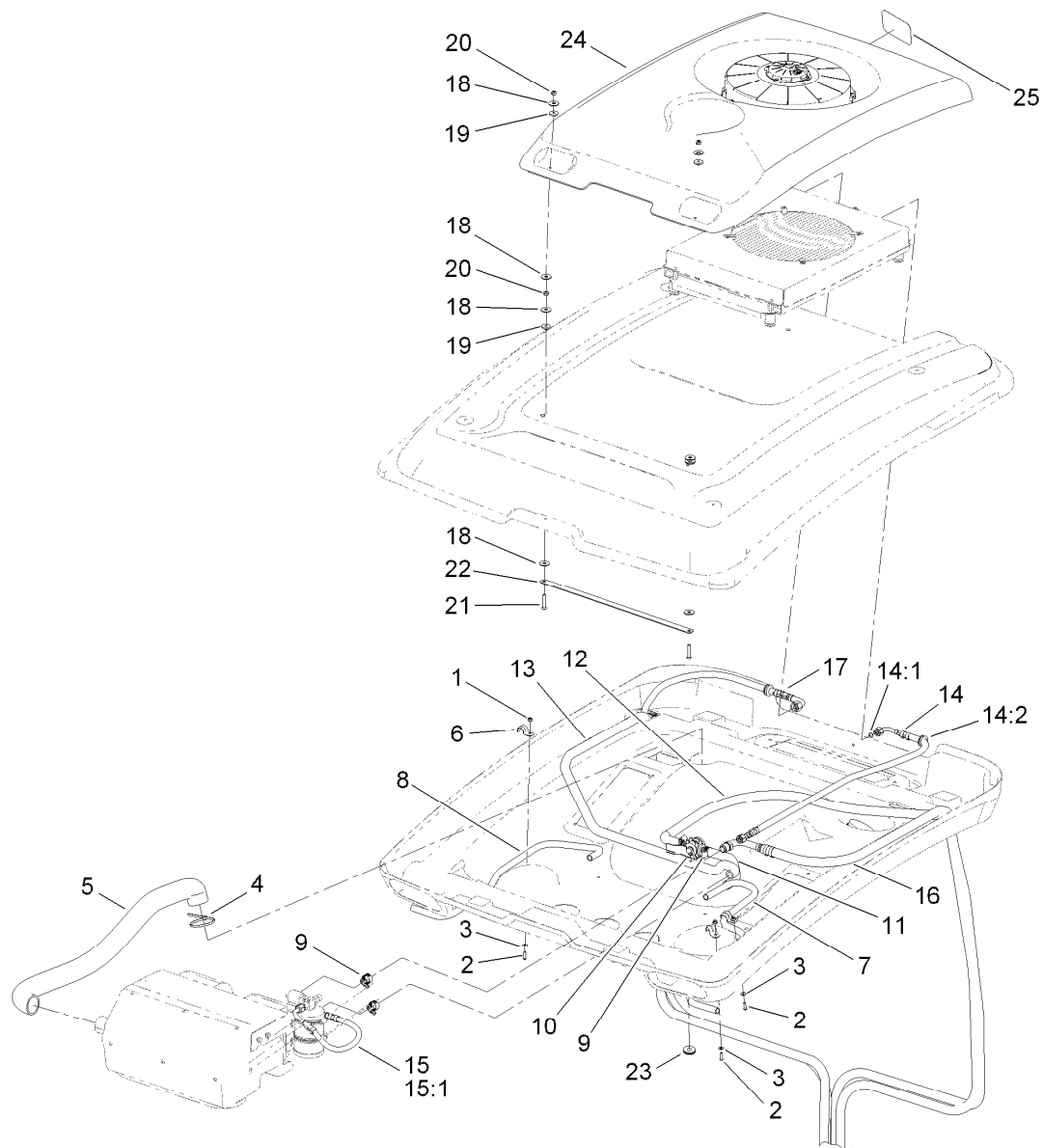




## Cab Switchplate and Fuse Block Assembly

| 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            |

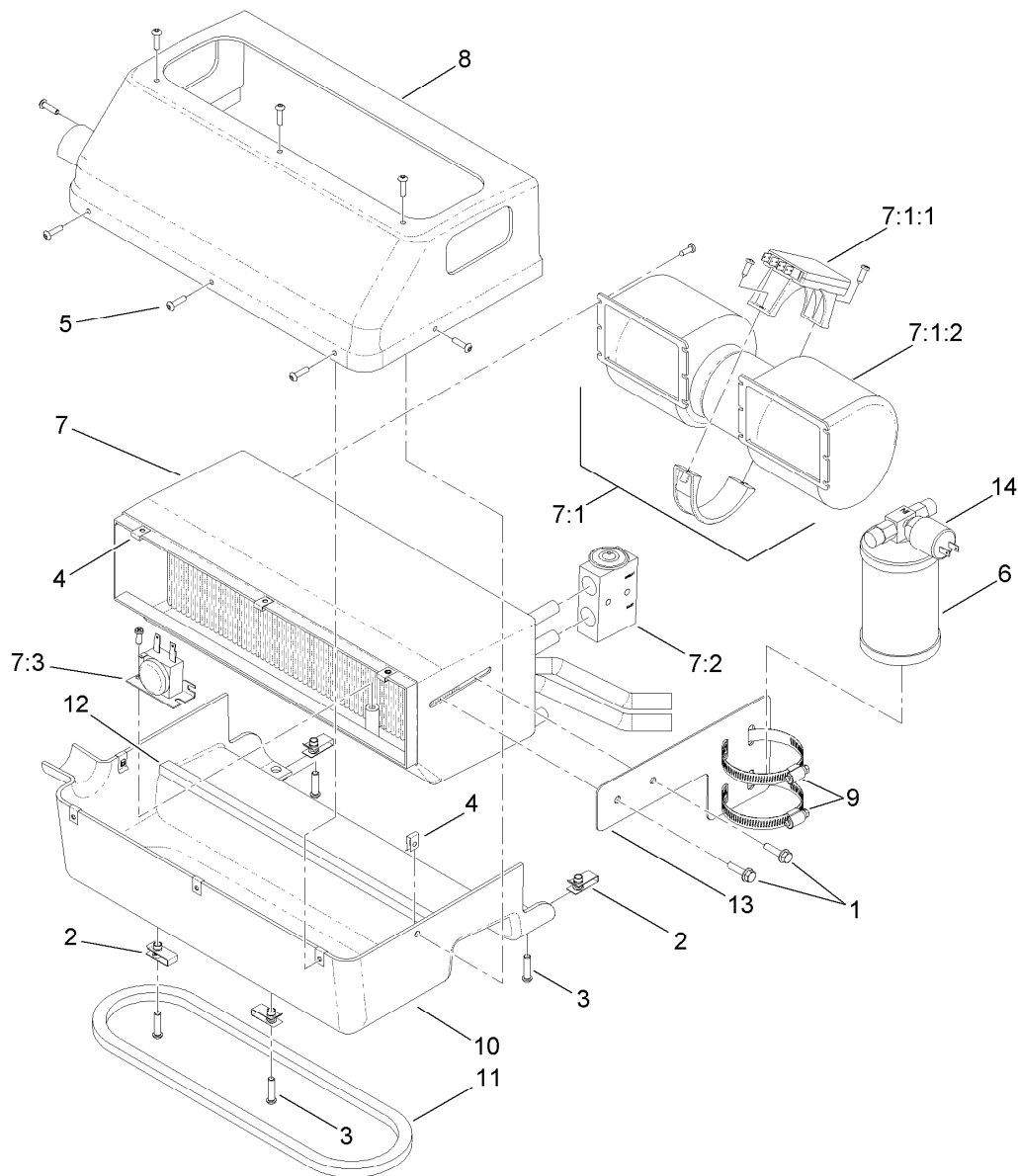
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 12   | 32128-17    | 2    | Nut-Lock, Flange        |
| 13   | 115-5506    | 1    | Knob                    |
| 14   | 115-5510    | 1    | Cover-Access, Fuse      |
| 15   | 117-2787    | 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           |

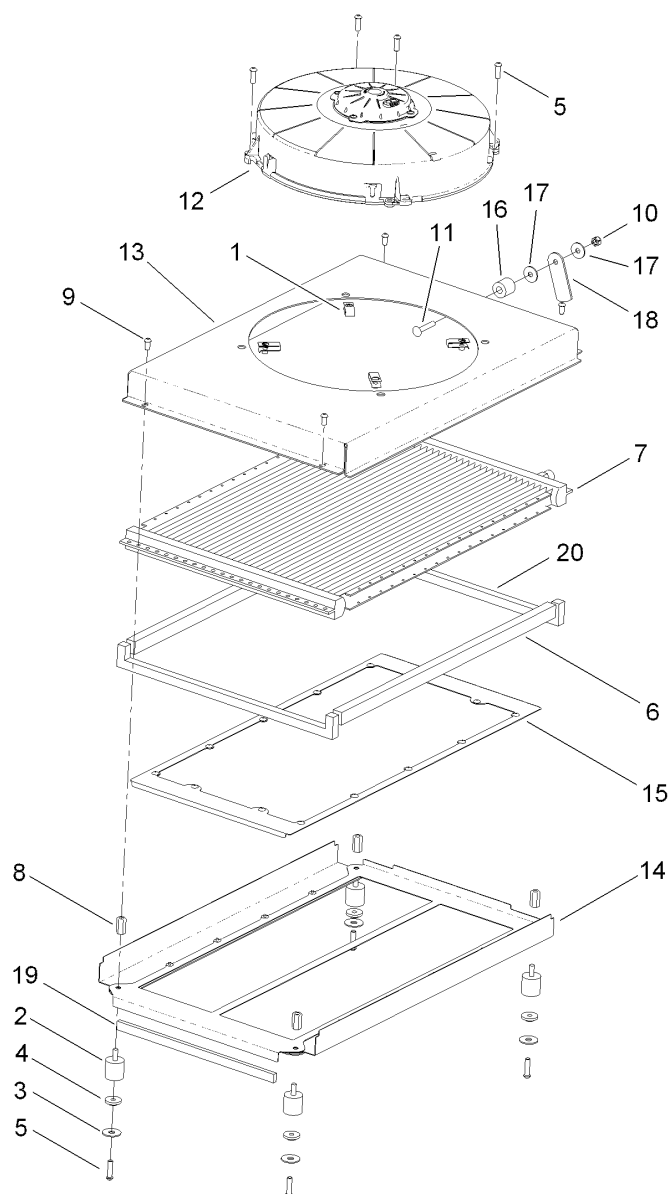


## Cab A/C Heater and Evaporator Assembly

| 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        |
| 7:1:2 |             | 1    | Fan And Motor ASM ● |

| 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      |

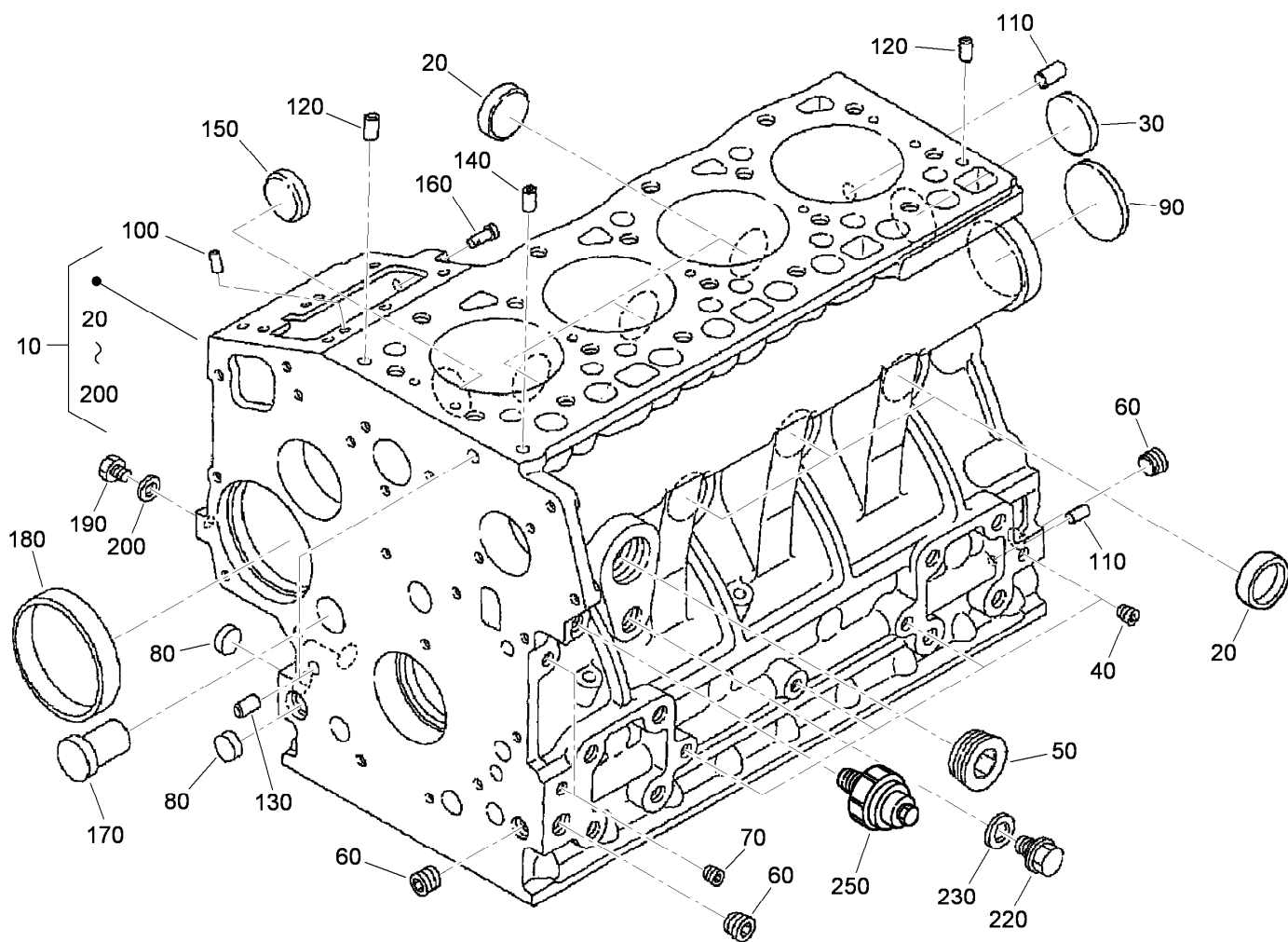
● Not serviced separately



## 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   |

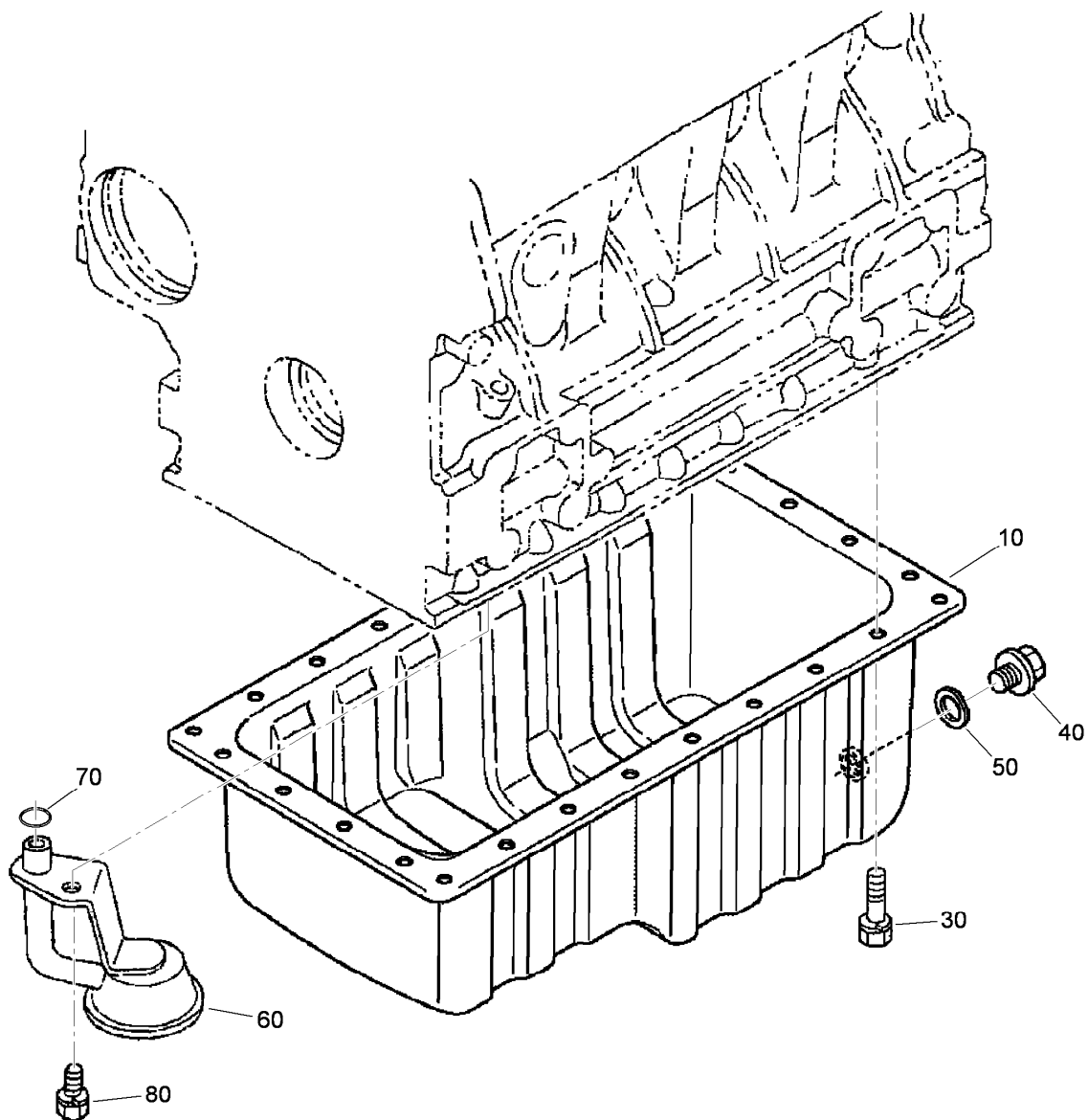
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 11   | 3229-4      | 1    | Screw-CARR      |
| 12   | 119-4500    | 1    | Fan-12 Inch     |
| 13   | 119-4511    | 1    | Shroud-Fan      |
| 14   | 119-4513    | 1    | Frame-Screen    |
| 15   | 119-4512    | 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

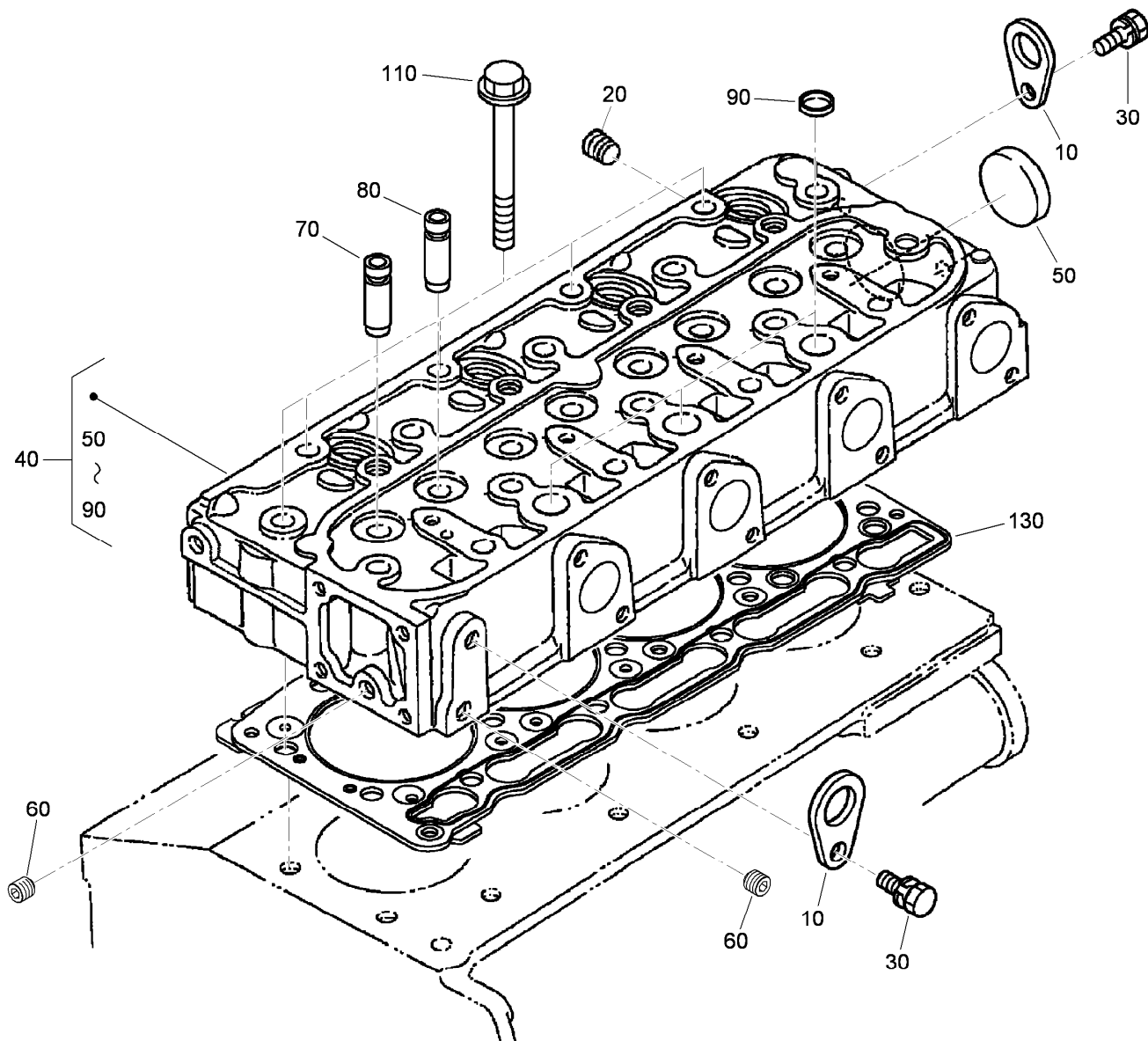
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 10   | 120-2558    | 1    | Crankcase ASM  |
| 20   | 98-9398     | 6    | Cap-Sealing    |
| 30   | 98-7539     | 1    | Cap-Sealing    |
| 40   | 98-7540     | 4    | Plug           |
| 50   | 105-3779    | 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             |



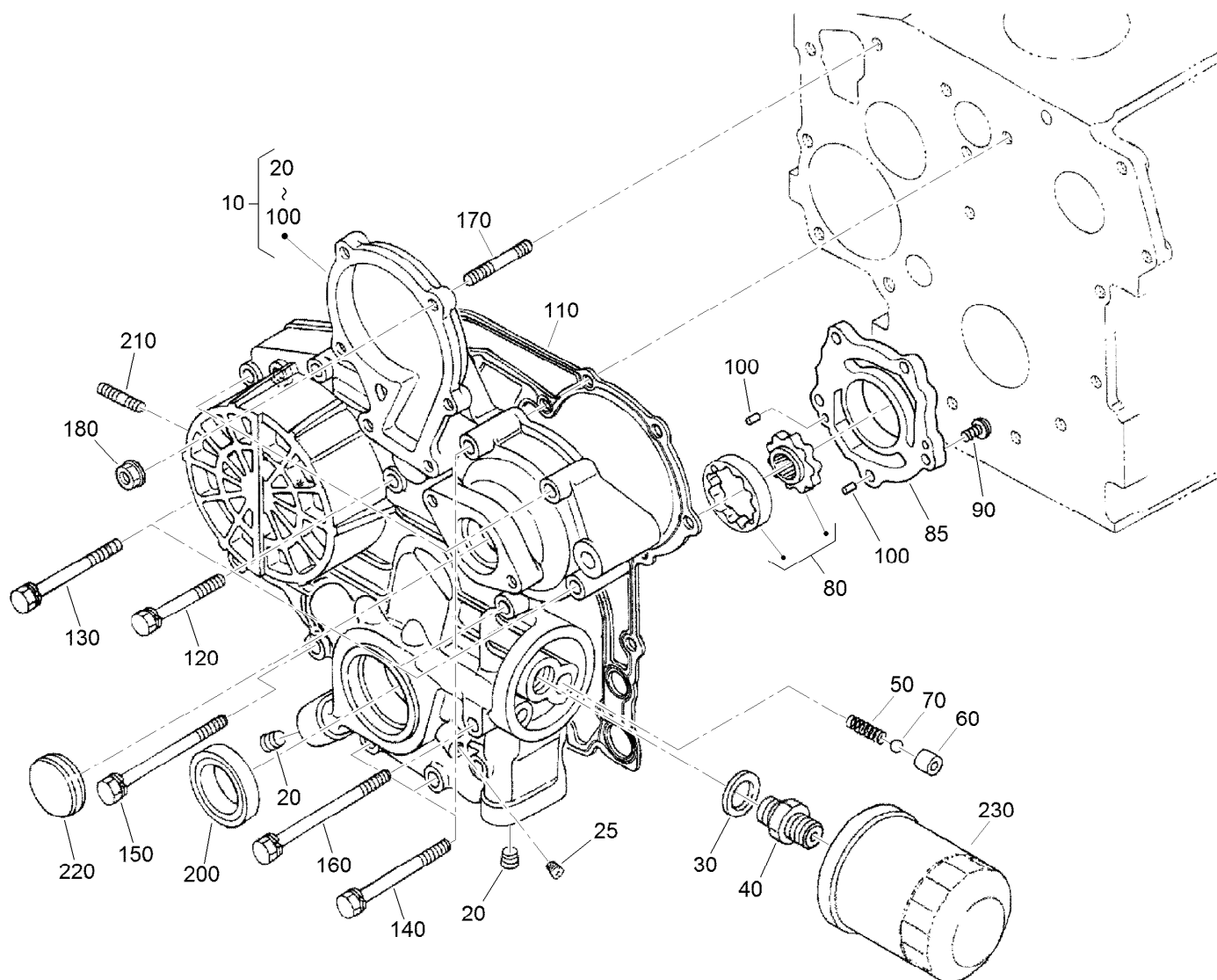
## Oil Pan Assembly

| 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 |

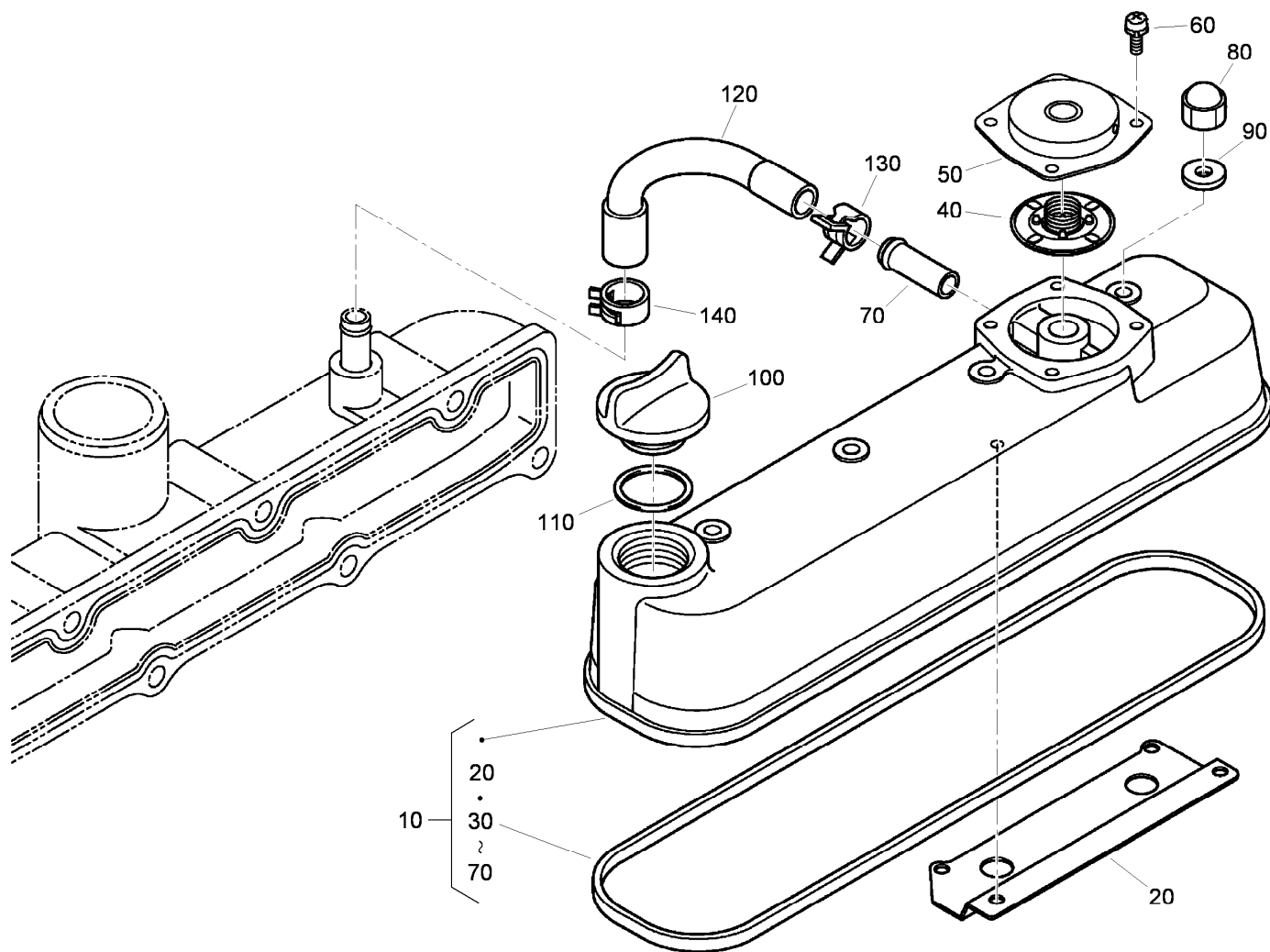


## Gear Case Assembly

| 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       |

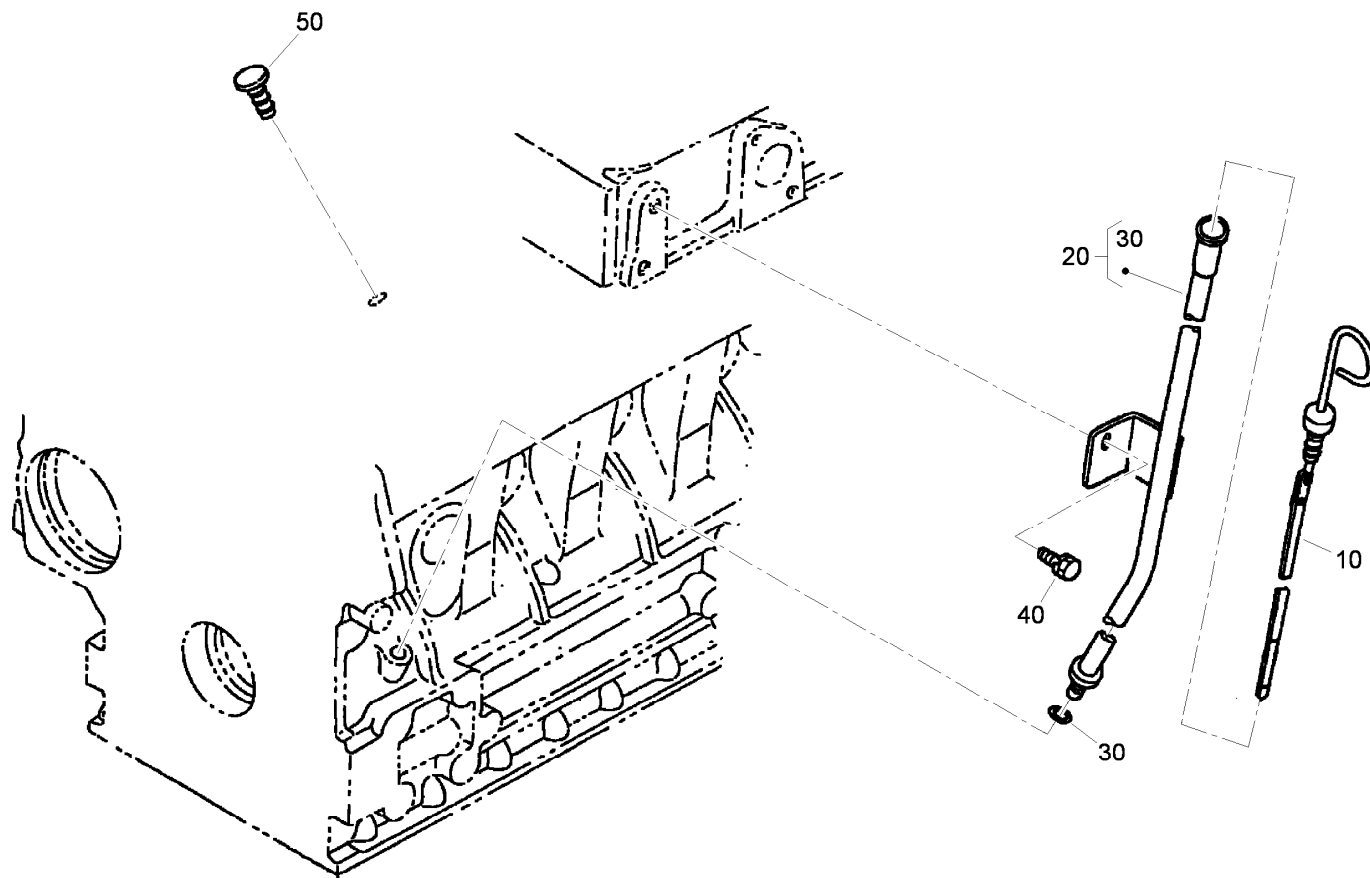
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 110  | 98-9633     | 1    | Gasket-Case, Gear |
| 120  | 107-9073    | 3    | Bolt              |
| 130  | 105-3797    | 4    | Bolt              |
| 140  | 98-9356     | 4    | Bolt              |
| 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        |





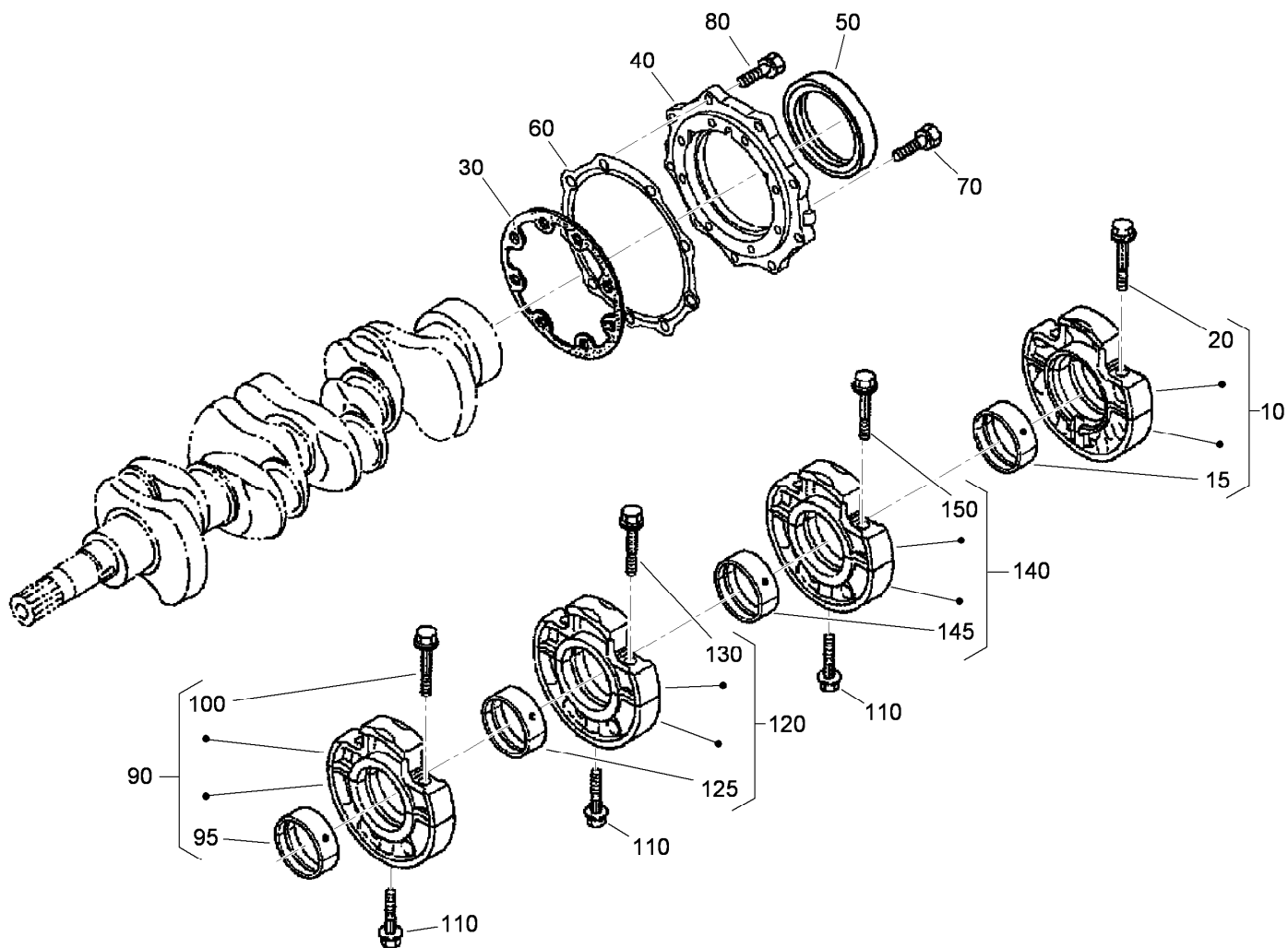
## Cylinder Head Cover Assembly

| 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

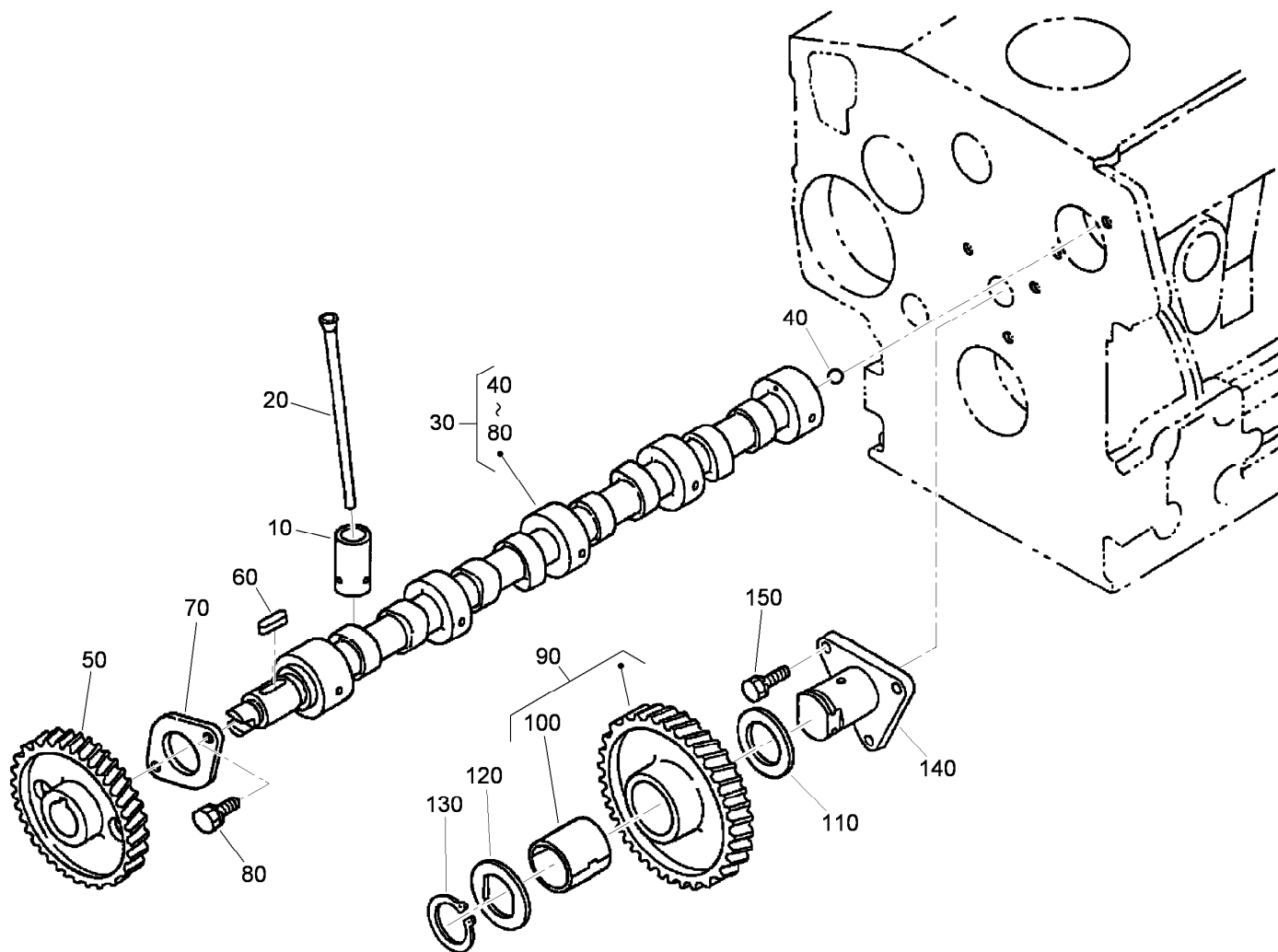
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 98-9670     | 1    | Gauge-Oil           |
| 20   | 98-9672     | 1    | Oil Gauge Guide ASM |
| 30   | 98-9722     | 1    | O-Ring              |
| 40   | 100-9195    | 1    | Bolt      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



## Main Bearing Case Assembly

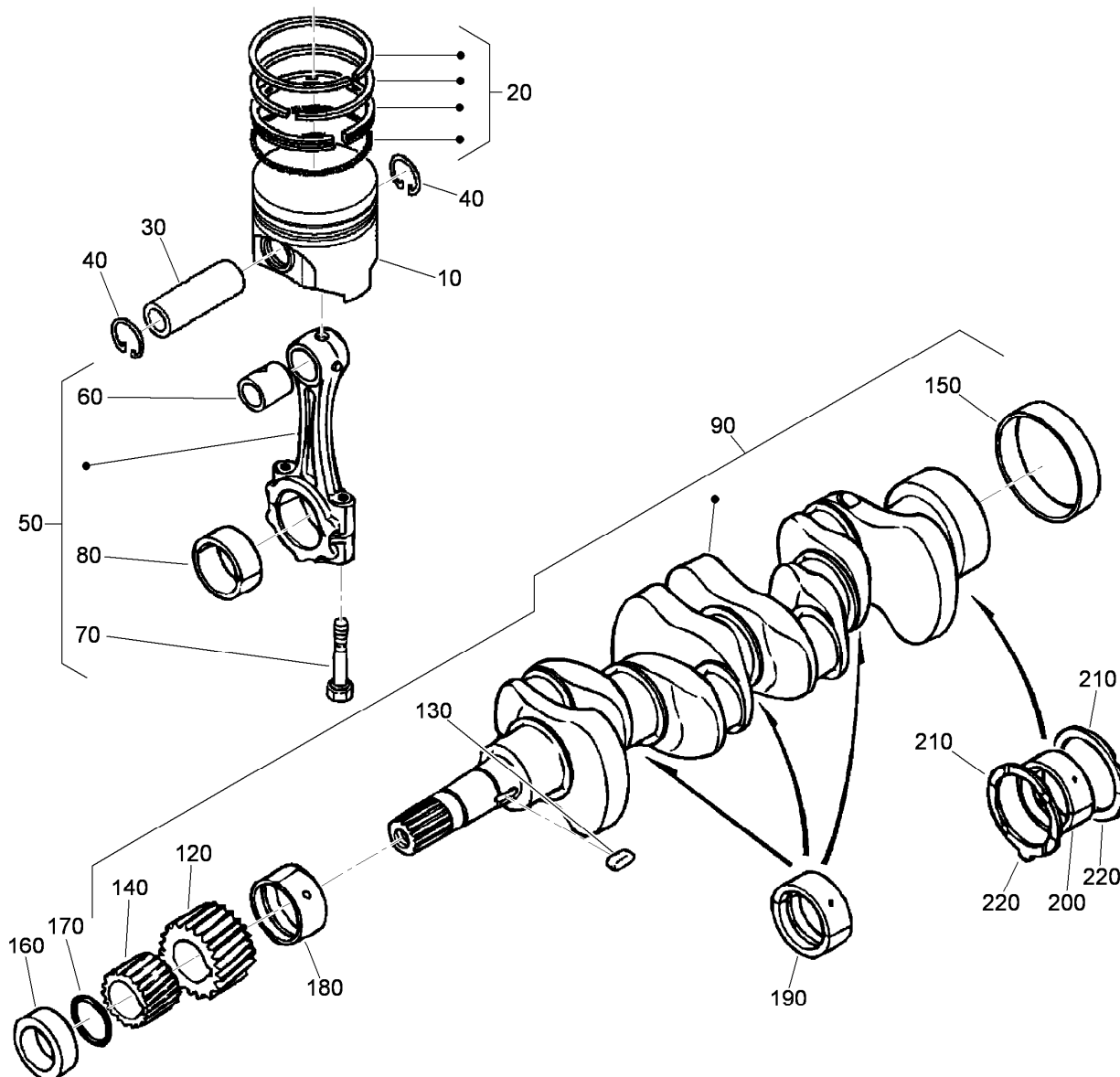
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 112-7026    | 1    | Wheel Bearing Case ASM |
| 15   | 115-4121    | 1    | Metal-Crankshaft (STD) |
| 20   | 98-9484     | 2    | Bolt-Case, Bearing     |
| 30   | 98-9634     | 1    | 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

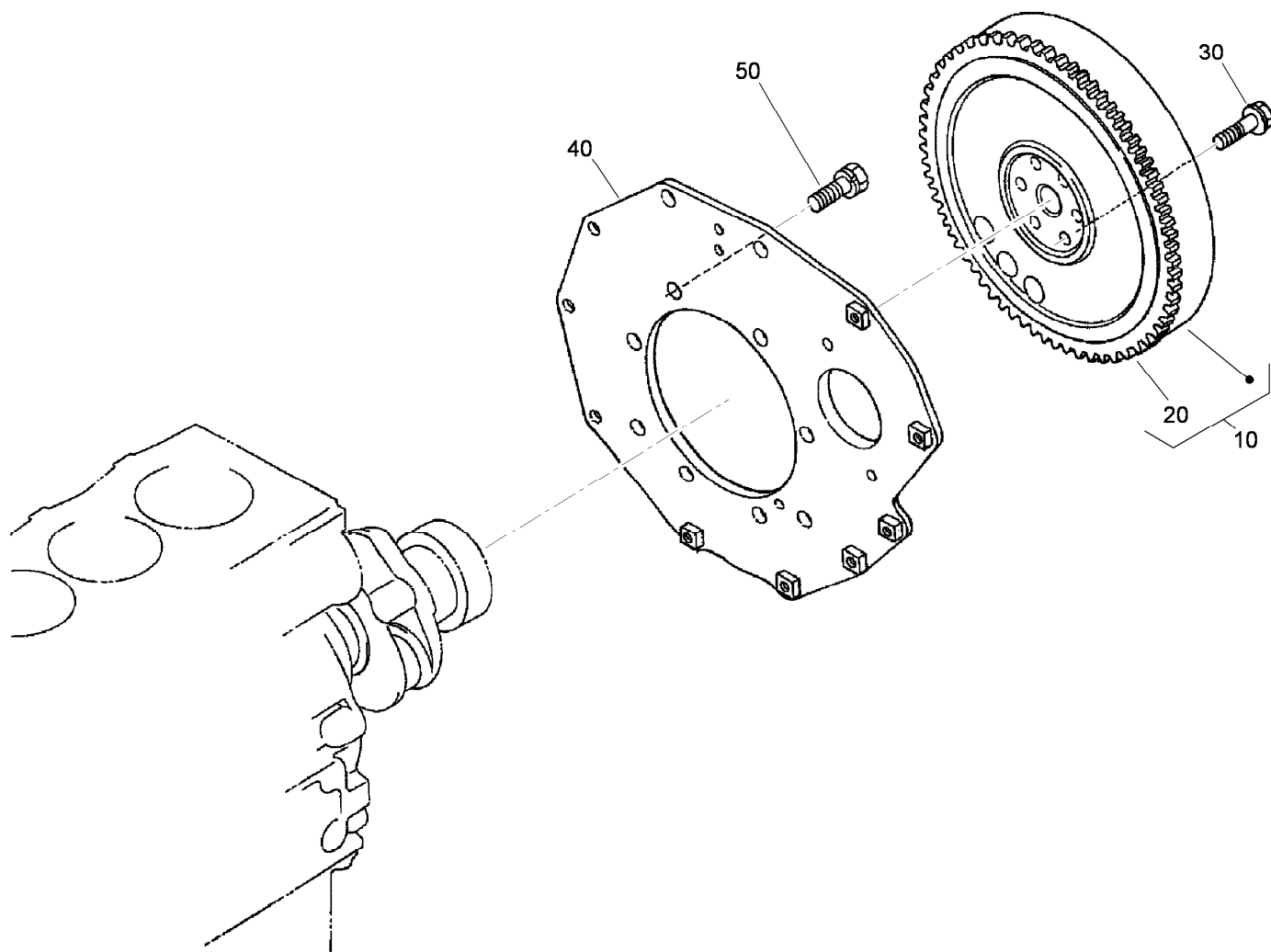
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 112-0185    | 8    | Tappet             |
| 20   | 98-9509     | 8    | Rod-Push           |
| 30   | 120-3116    | 1    | Camshaft ASM       |
| 40   | 110-3729    | 1    | Ball               |
| 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

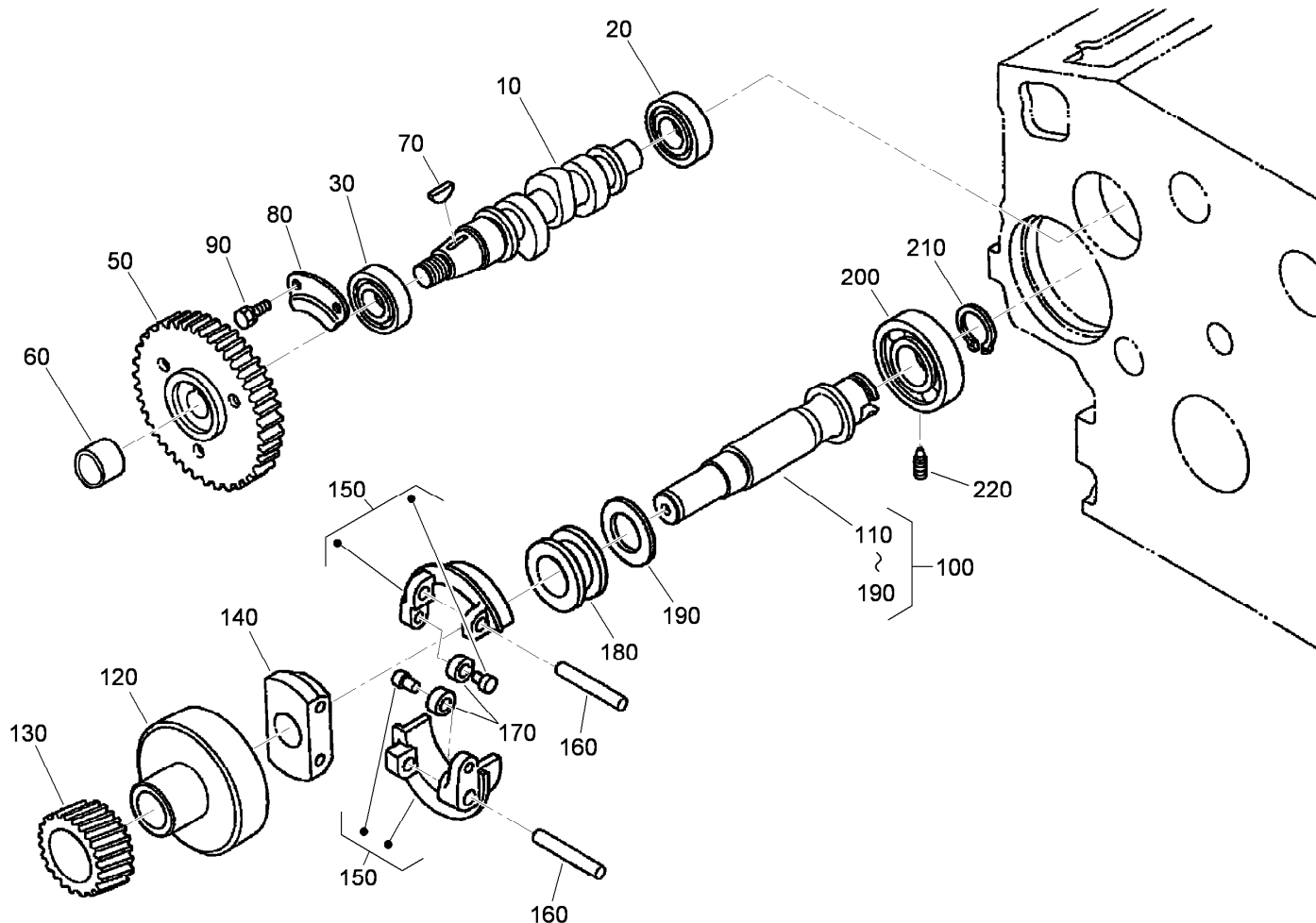
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 112-8404    | 4    | Piston (STD)            |
| 10   | 112-8414    | 4    | Piston (+0.5Mm)         |
| 20   | 98-9551     | 4    | Piston Ring ASM (STD)   |
| 20   | 108-1404    | 4    | Piston Ring ASM (0.5Mm) |
| 30   | 98-9513     | 4    | Pin-Piston              |
| 40   | 98-9514     | 8    | Circlip-Pin, Piston     |
| 50   | 115-3013    | 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

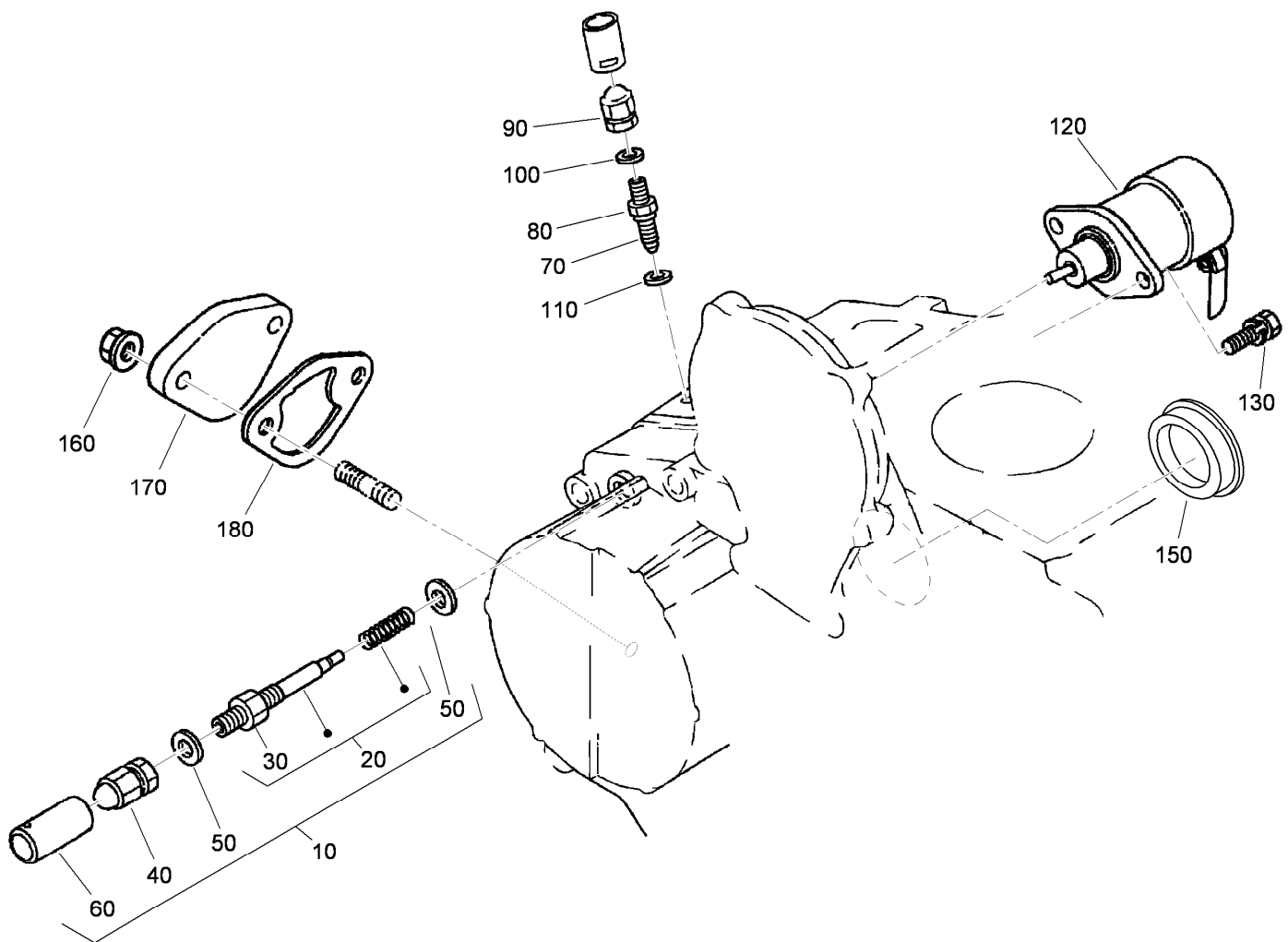
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 105-3721    | 1    | Flywheel ASM    |
| 20   | 115-3015    | 1    | Gear-Ring       |
| 30   | 98-9537     | 6    | Bolt-Flywheel   |
| 40   | 98-9486     | 1    | Plate-End, Rear |
| 50   | 98-9392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

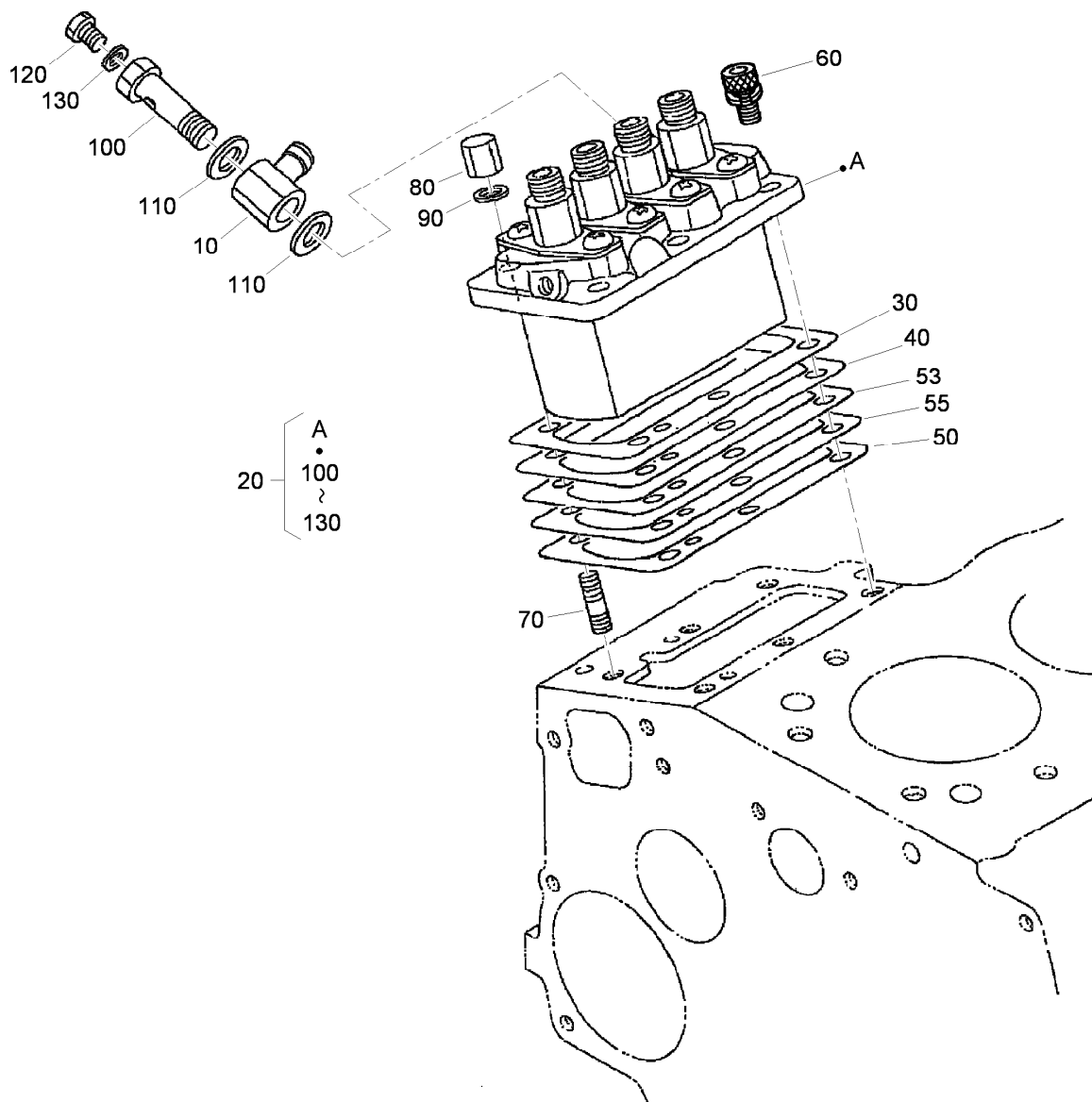


## Idle Apparatus Assembly

| 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                |

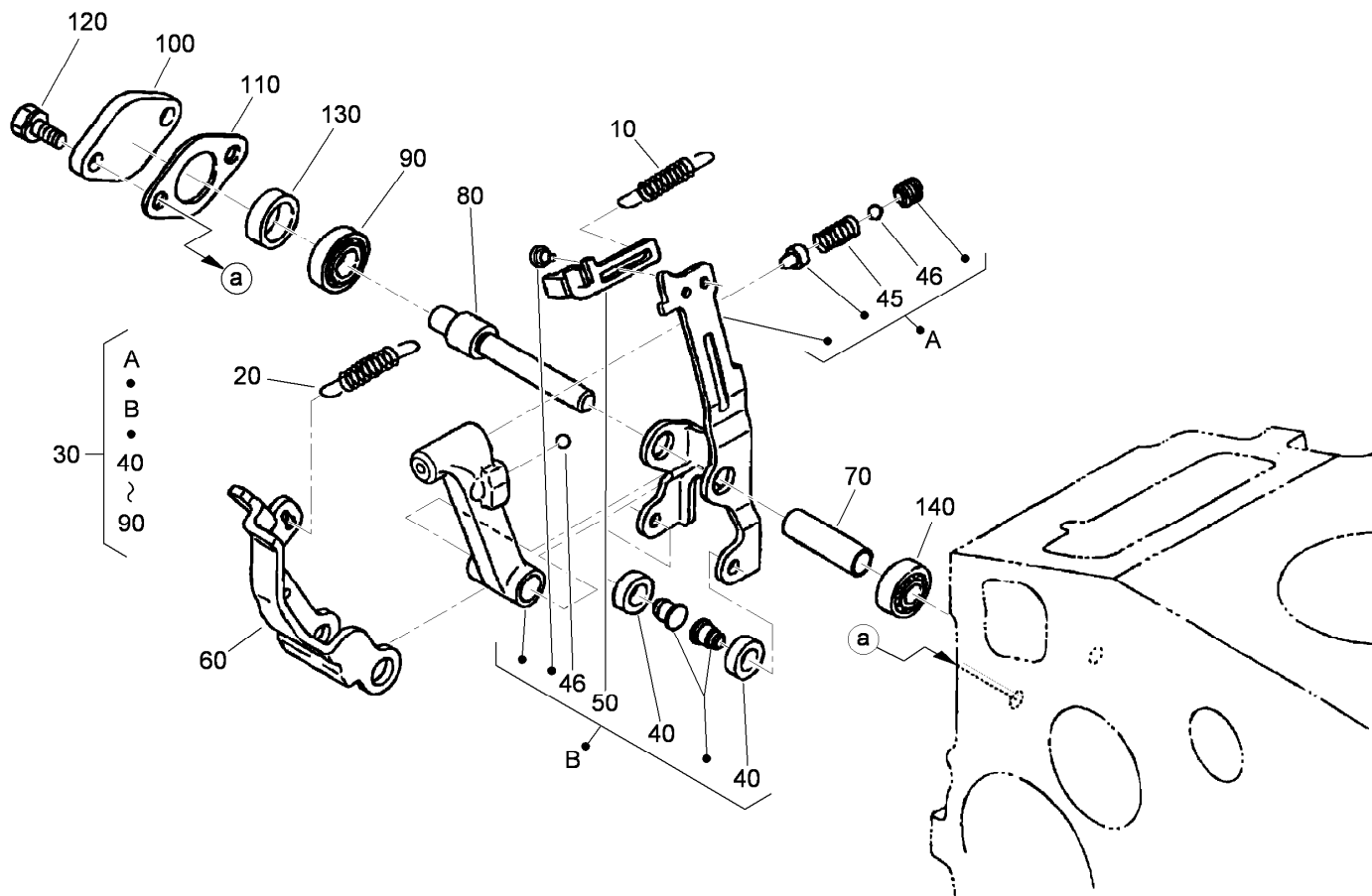
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 100  | 98-7654     | 1    | Gasket            |
| 110  | 107-9081    | 1    | Gasket            |
| 120  | 104-5155    | 1    | Solenoid-Stop     |
| 130  | 115-3039    | 2    | Bolt-HSH          |
| 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

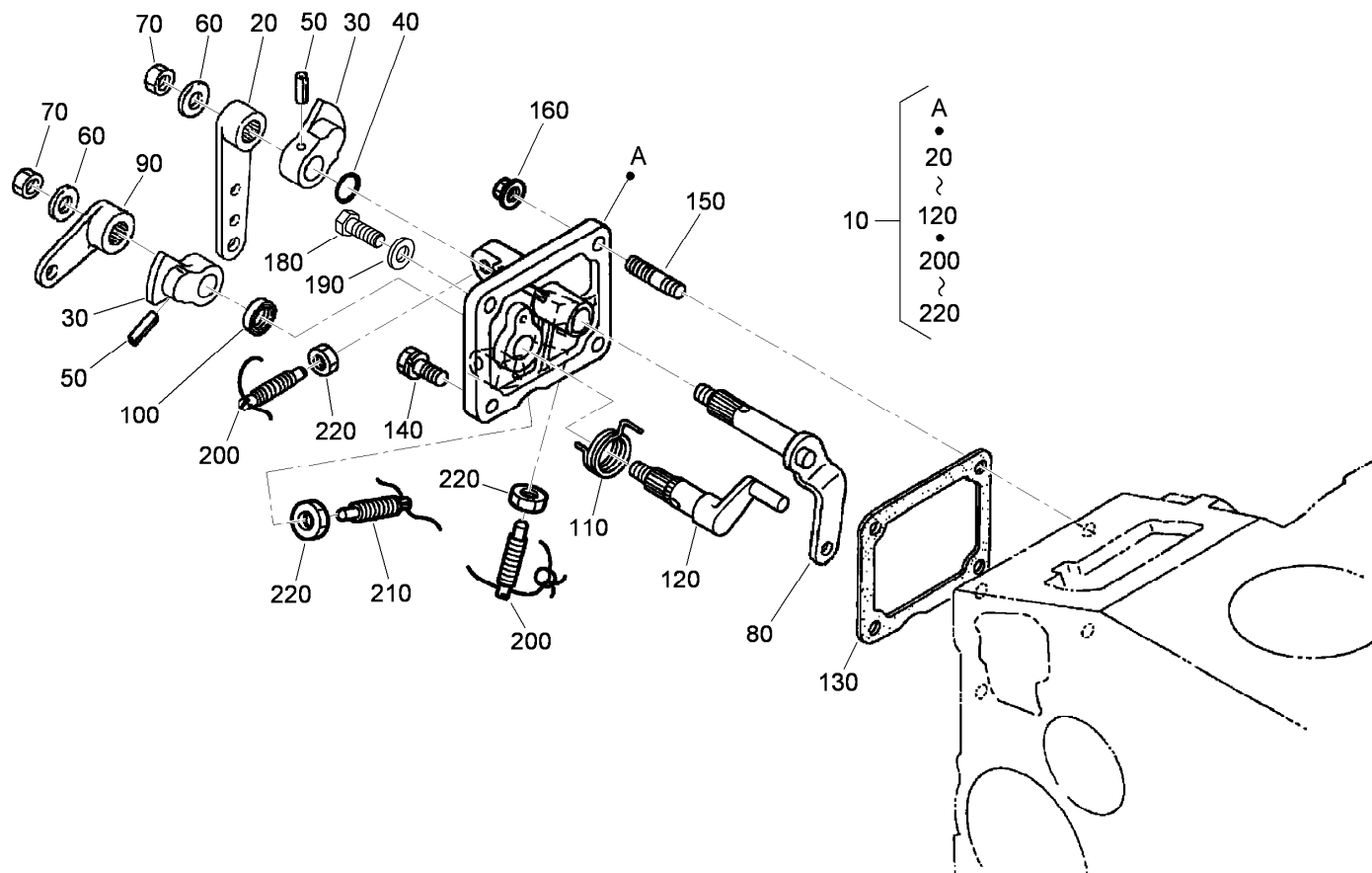
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 10   | 98-9596     | 1    | Joint-Eye                     |
| 20   | 105-3727    | 1    | Injection Pump ASM            |
| 30   | 105-3728    | 1    | Shim-Pump, Injection (.20Mm)  |
| 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      |

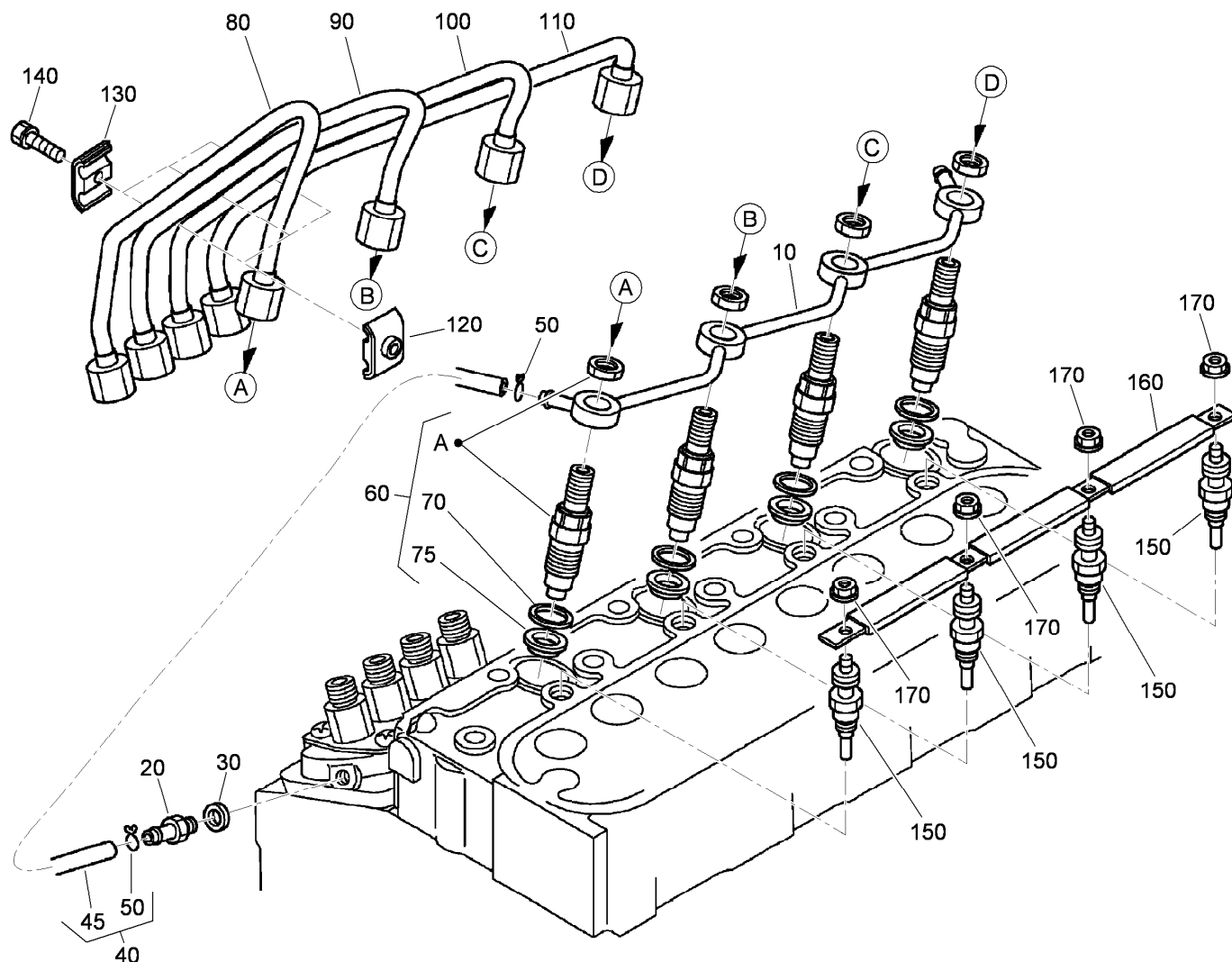
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 70   | 107-9085    | 1    | Shaft-Lever, Fork       |
| 80   | 107-9086    | 1    | Shaft-Lever, Fork       |
| 90   | 98-9570     | 1    | Bearing-Miniaturize     |
| 100  | 115-4122    | 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        |

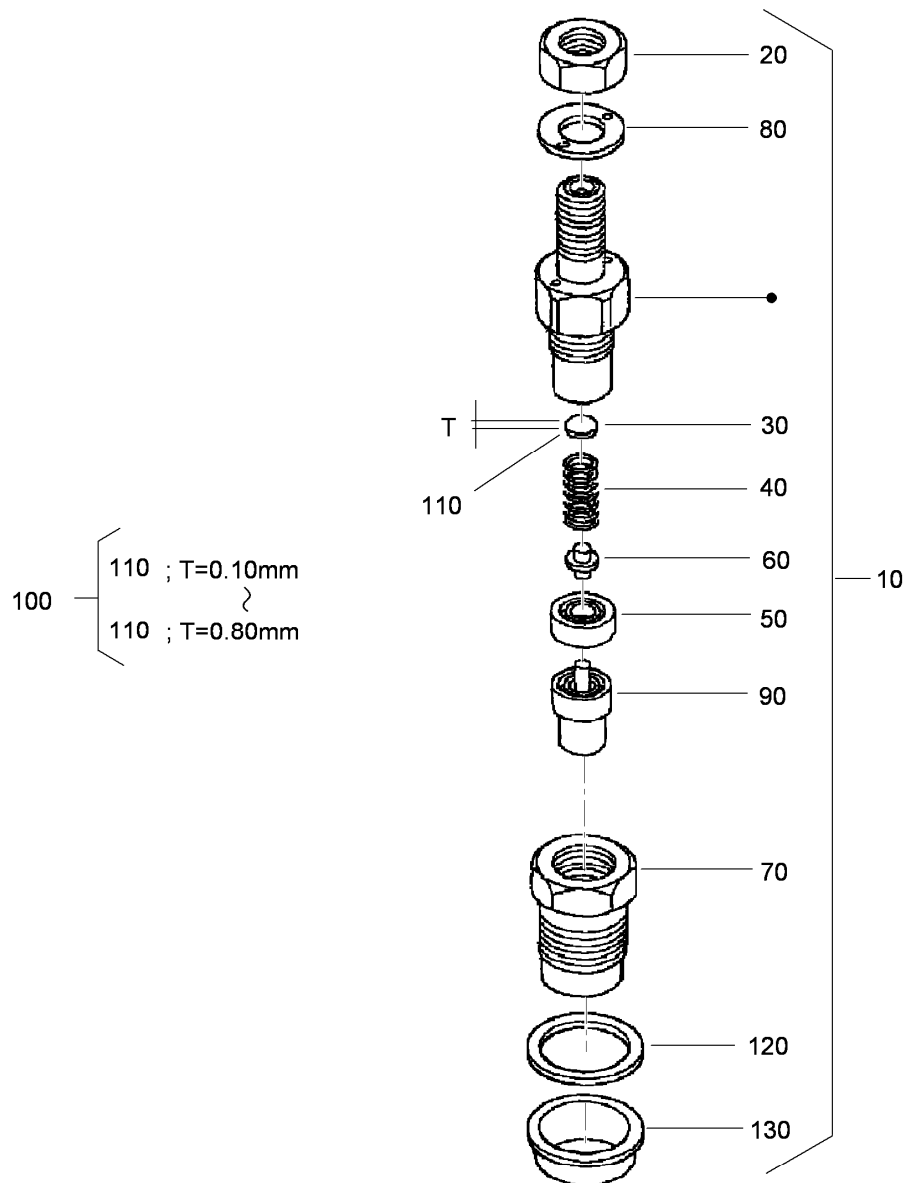
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 120  | 98-9664     | 1    | Shaft-Lever, Stop |
| 130  | 98-9637     | 1    | Gasket            |
| 140  | 98-7692     | 1    | Bolt              |
| 150  | 105-3710    | 1    | Stud              |
| 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

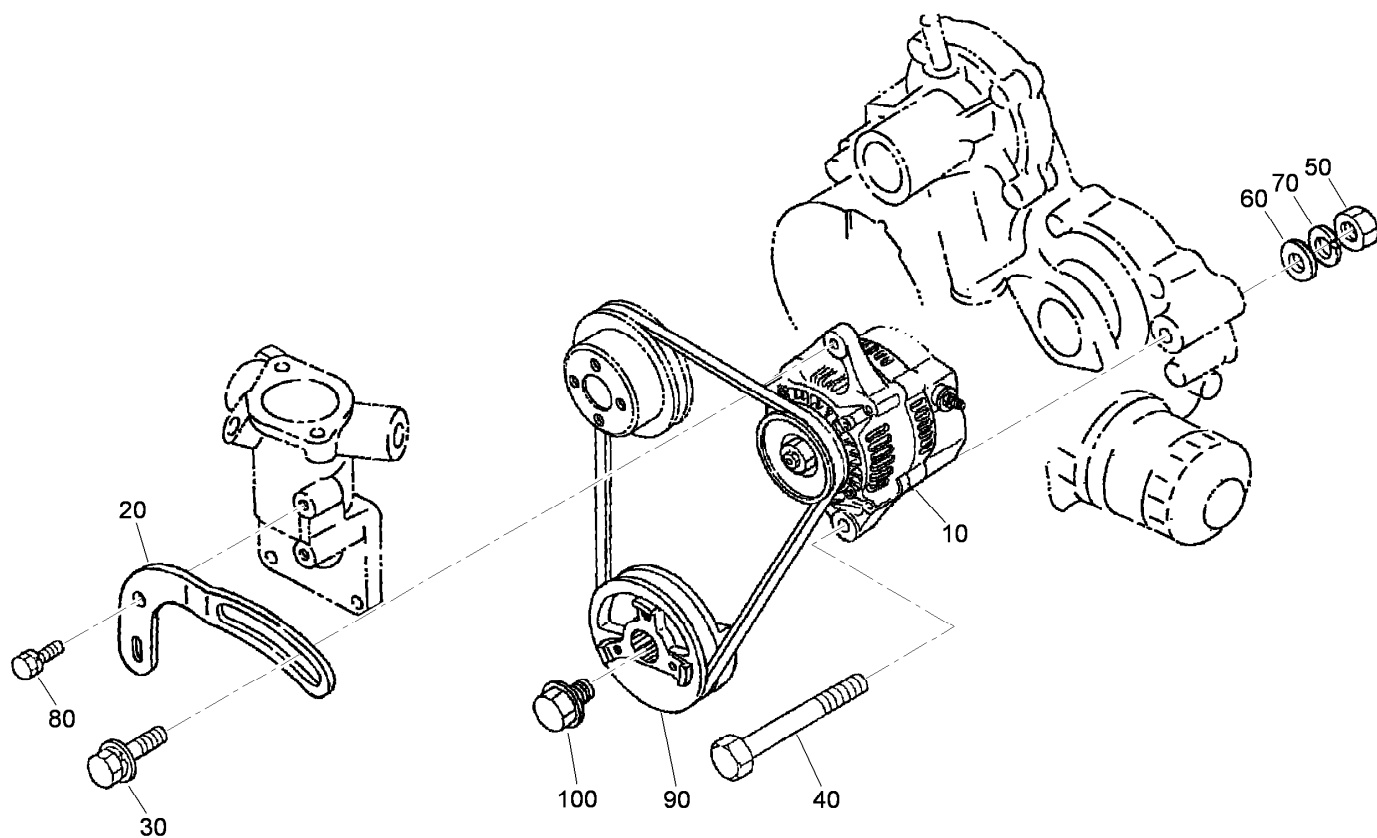
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 105-3737    | 1    | Over Flow Pipe ASM |
| 20   | 98-9431     | 1    | Screw-Bleeder, Air |
| 30   | 98-7654     | 1    | Gasket             |
| 40   | 98-9420     | 1    | Overflow Pipe ASM  |
| 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       |



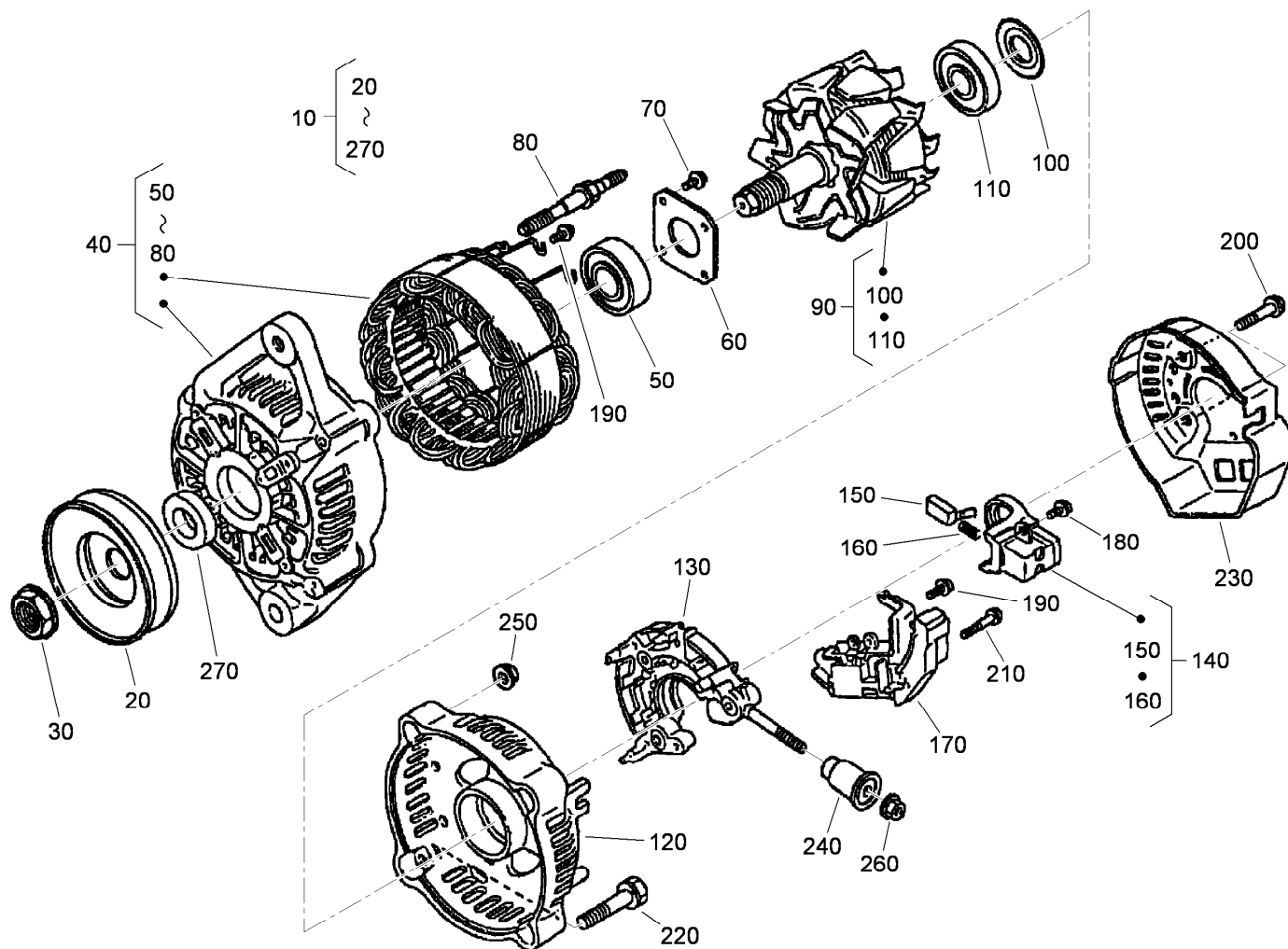
## Nozzle Holder Component Assembly

| 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

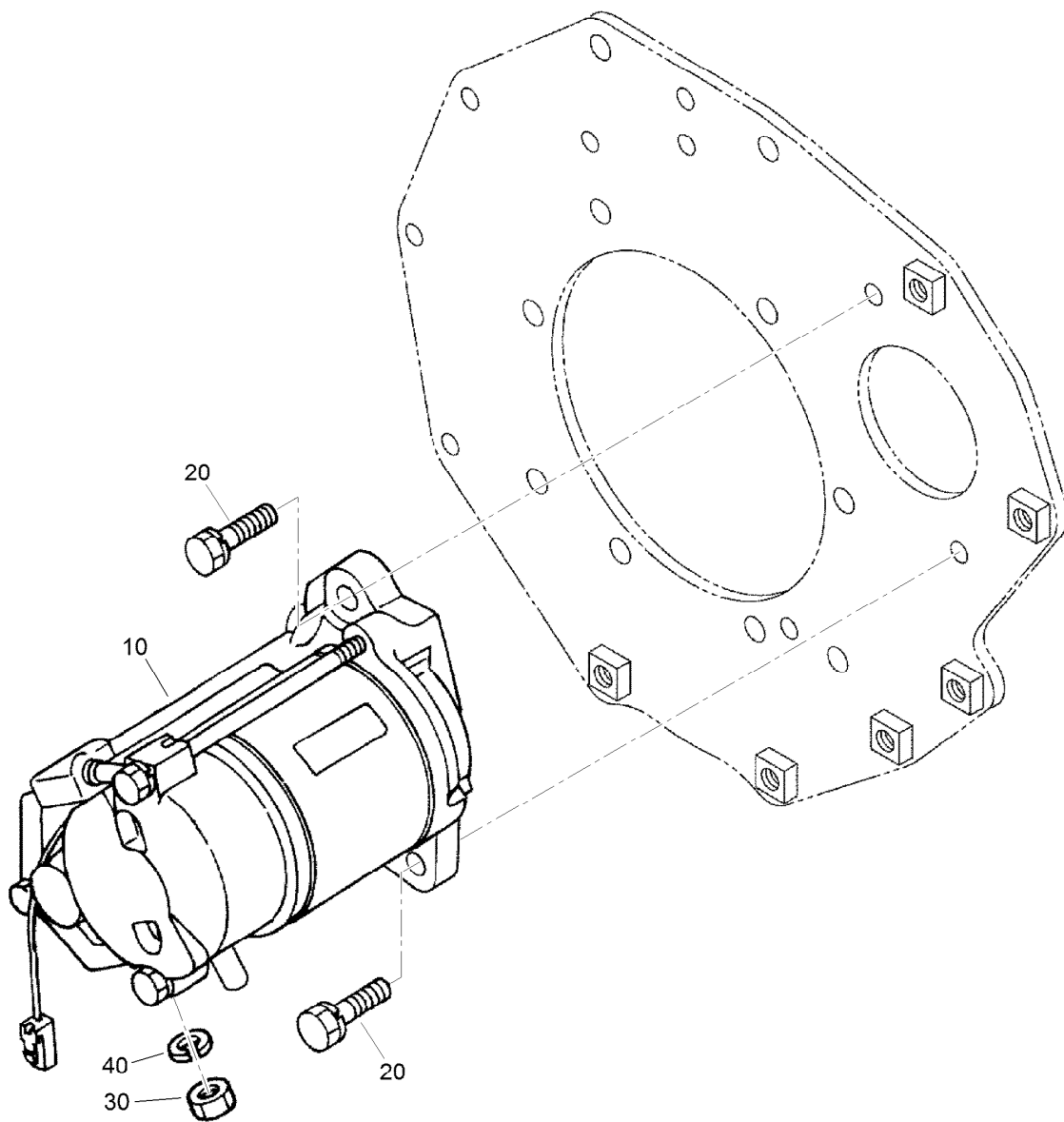
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 117-5541    | 1    | Alternator ASM    |
| 20   | 117-5542    | 1    | Bracket           |
| 30   | 108-7088    | 1    | Bolt              |
| 40   | 98-9360     | 1    | Bolt              |
| 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    |

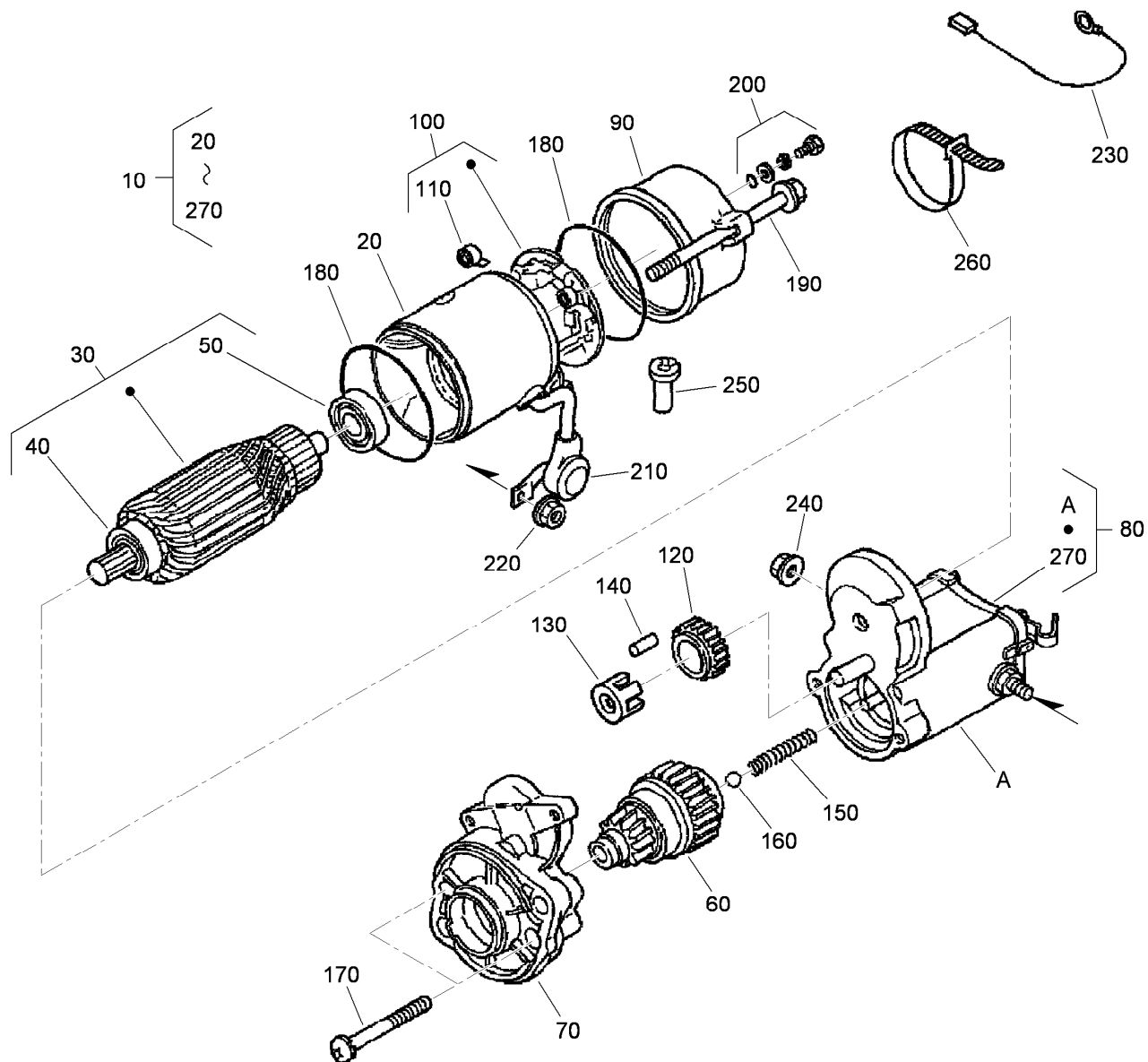
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 150  | 98-7724     | 2    | Brush             |
| 160  | 98-7725     | 2    | Spring-Brush      |
| 170  | 117-0319    | 1    | Regulator ASM     |
| 180  | 98-7728     | 1    | Screw-Head, Round |
| 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 |

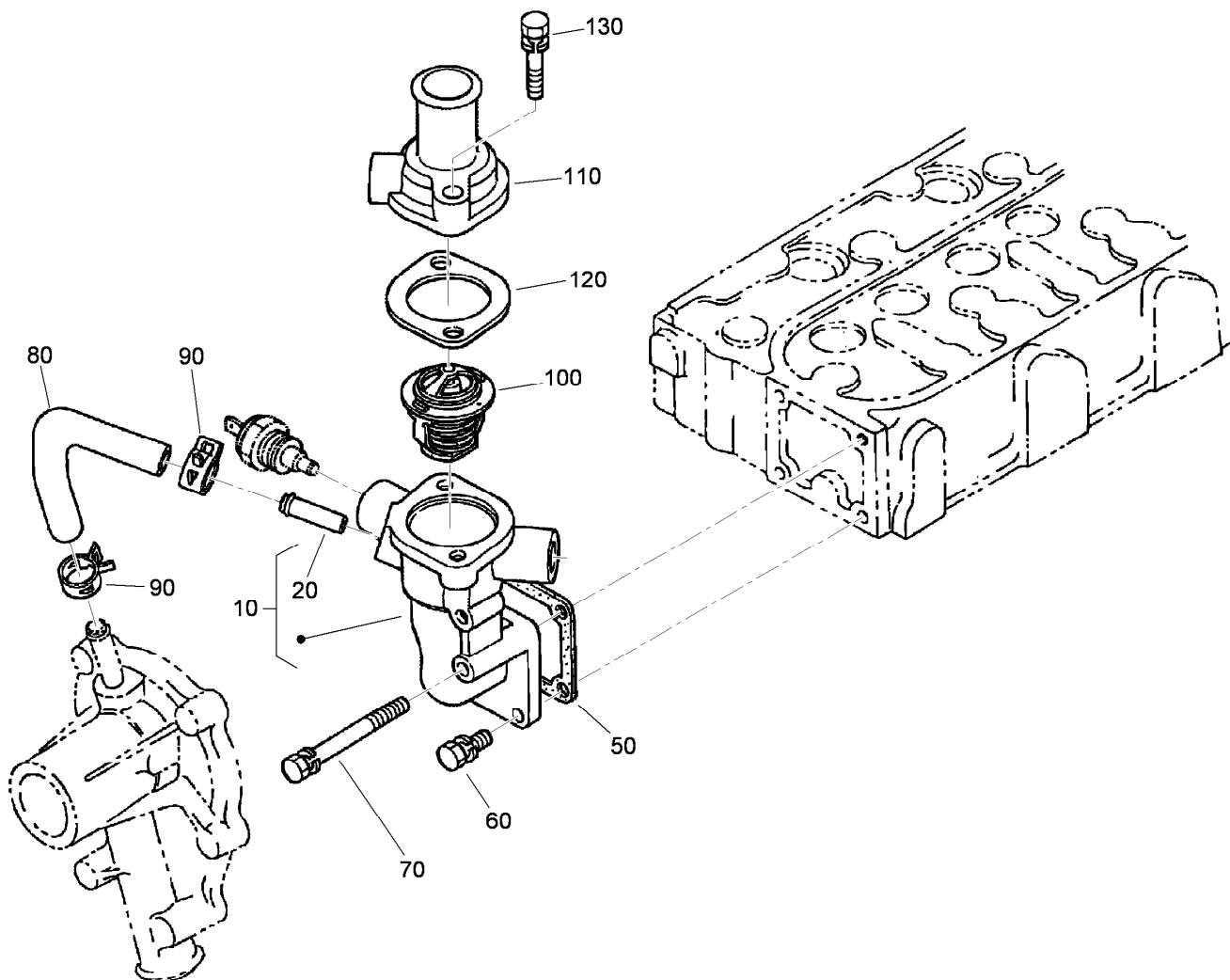




## Starter (Component Part) Assembly

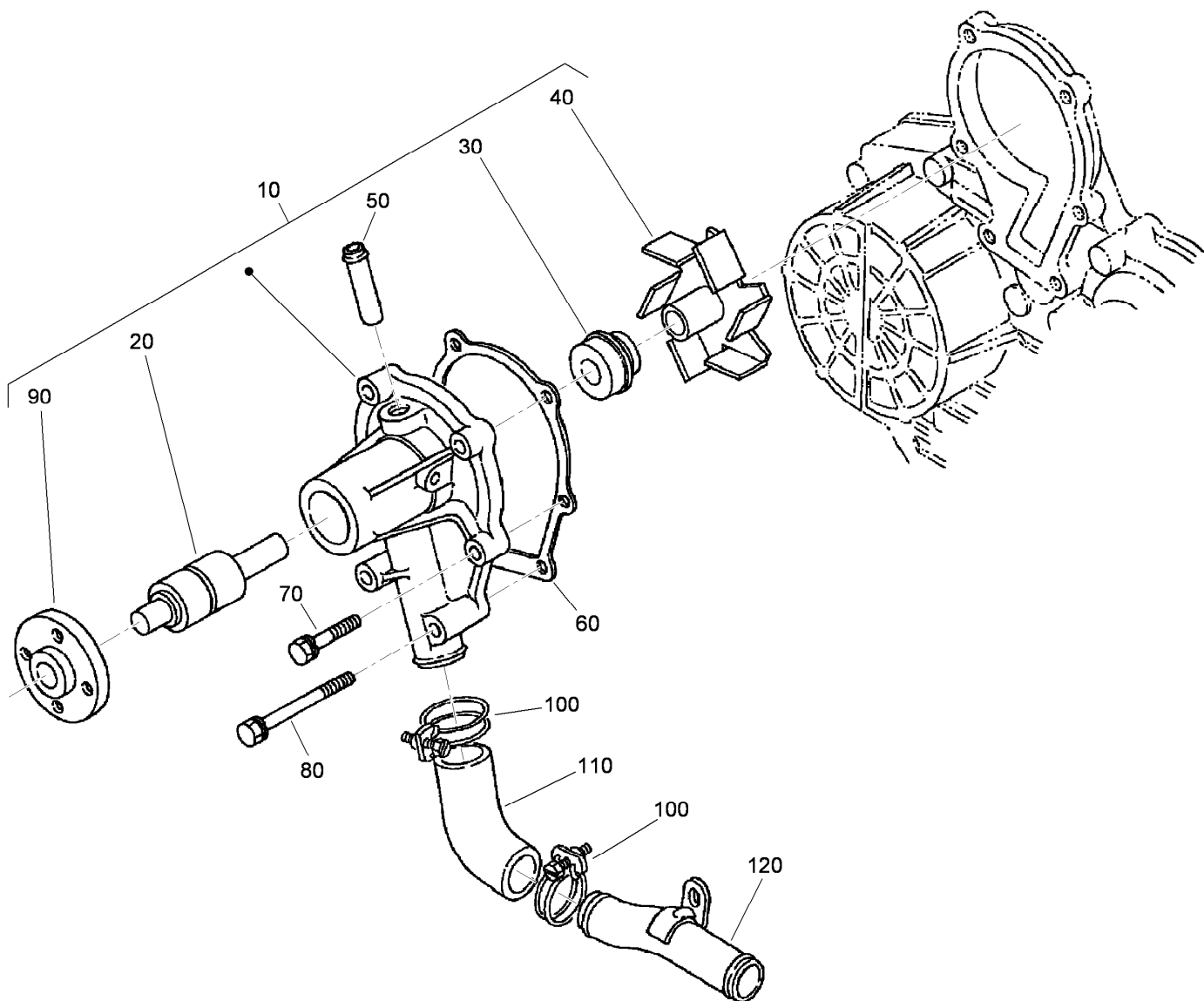
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9705     | 1    | Starter ASM          |
| 20   | 104-8608    | 1    | Yoke ASM             |
| 30   | 98-7742     | 1    | Armature ASM         |
| 40   | 98-7744     | 1    | Bearing              |
| 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           |



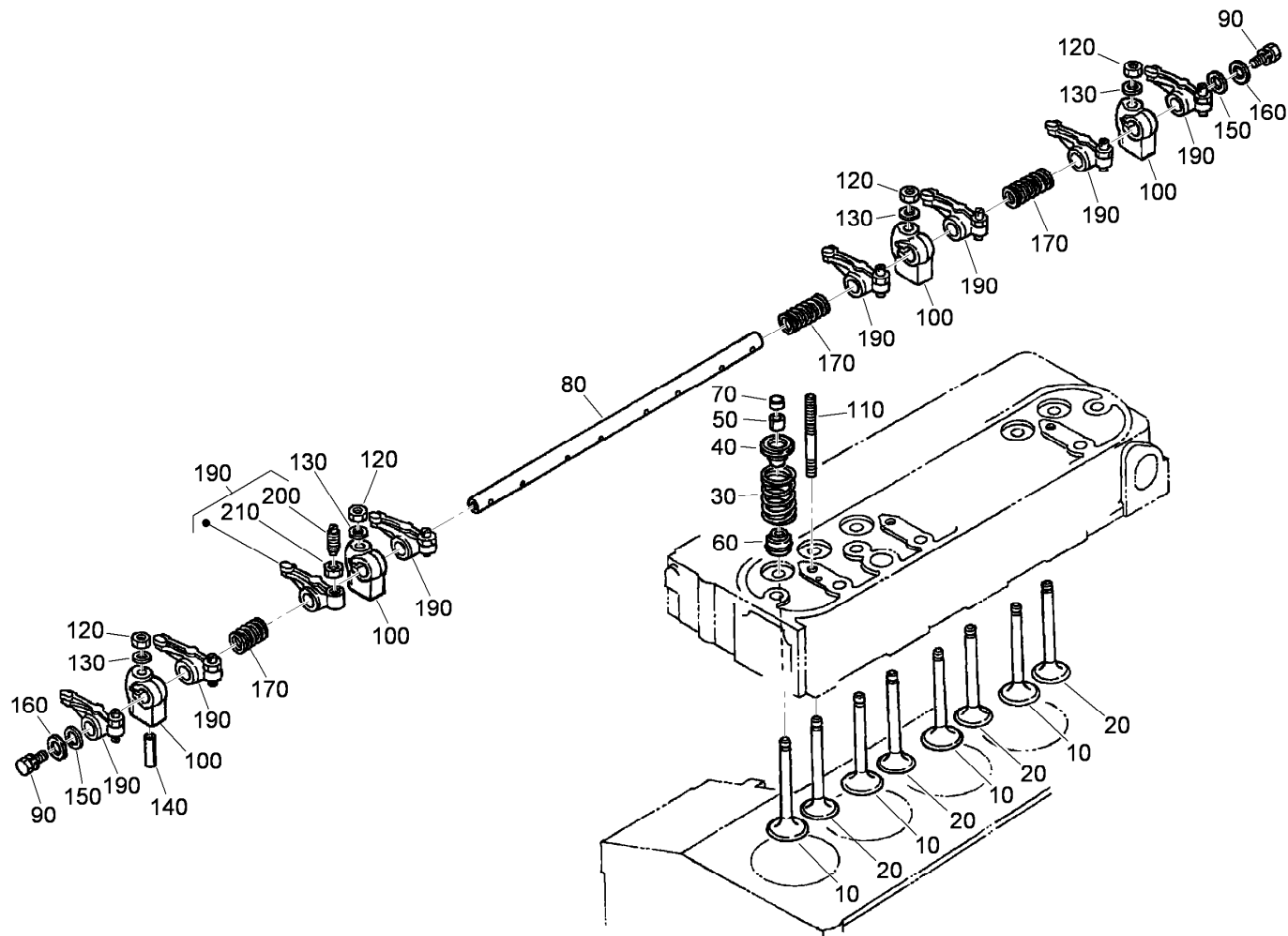
## Water Flange Assembly

| 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

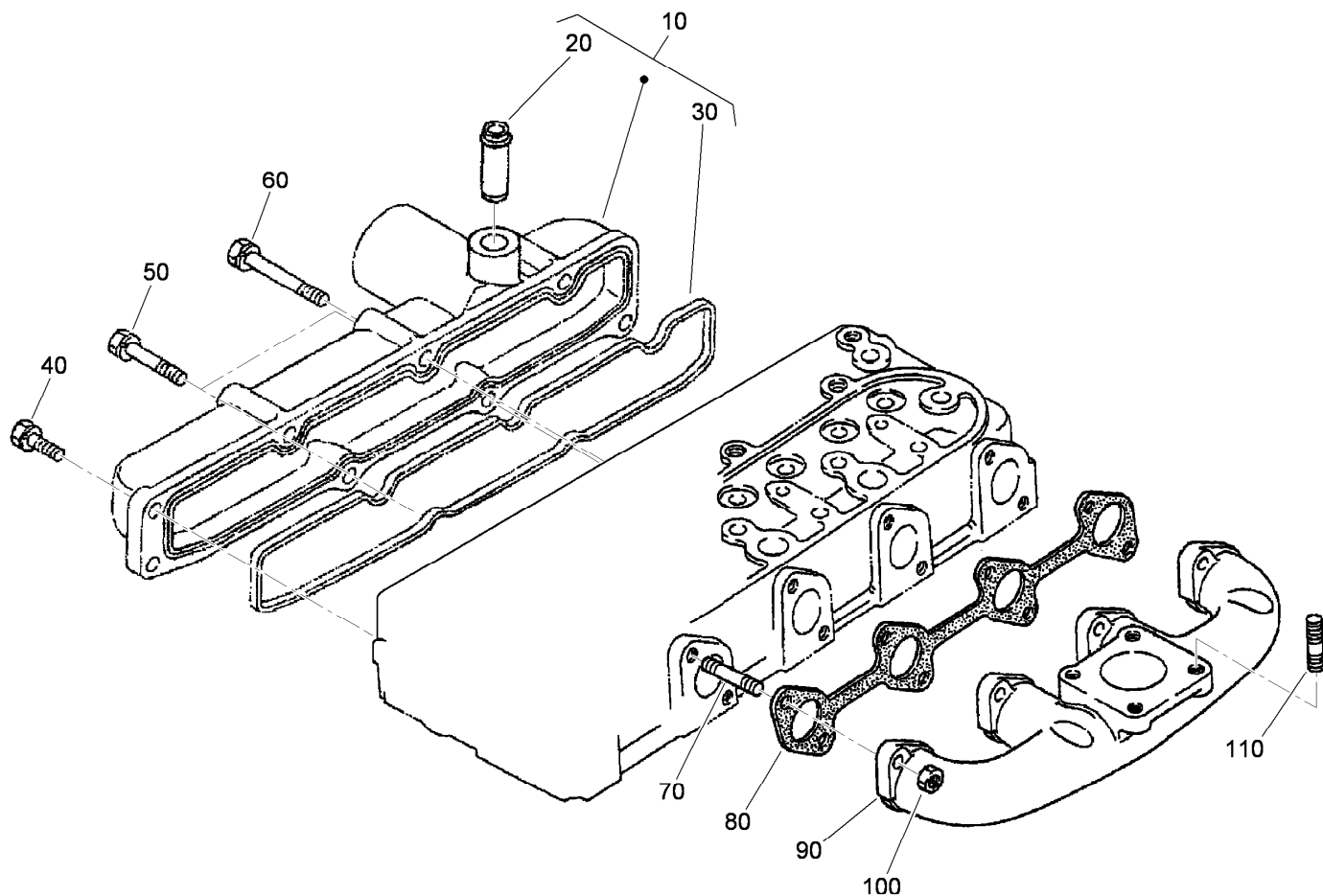
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 107-9089    | 1    | Water Pump ASM       |
| 20   | 99-3517     | 1    | Bearing-Pump, Water  |
| 30   | 105-3750    | 1    | Mechanical Seal ASM  |
| 40   | 112-7017    | 1    | Impeller-Pump, 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

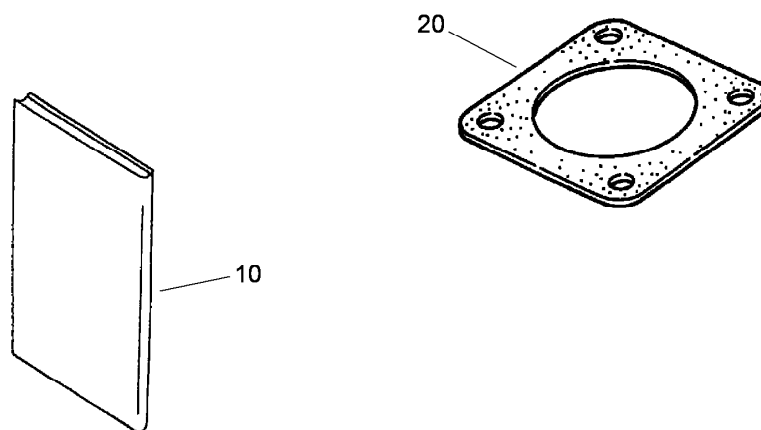
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 120-2563    | 4    | Valve-Inlet          |
| 20   | 120-2564    | 4    | Valve-Exhaust        |
| 30   | 98-9648     | 8    | Spring-Valve         |
| 40   | 107-9092    | 8    | Retainer-Spring      |
| 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, R-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 31222N Groundsmaster 360 4-Wheel Drive Multi-Purpose Machine with Cab

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



**Count on it.**