



**Count on it.**

Form No. 3384-913 Rev C

# Parts Catalog

## Groundsmaster® 4300-D Traction Unit

Model No. 30854—Serial No. 315000001 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

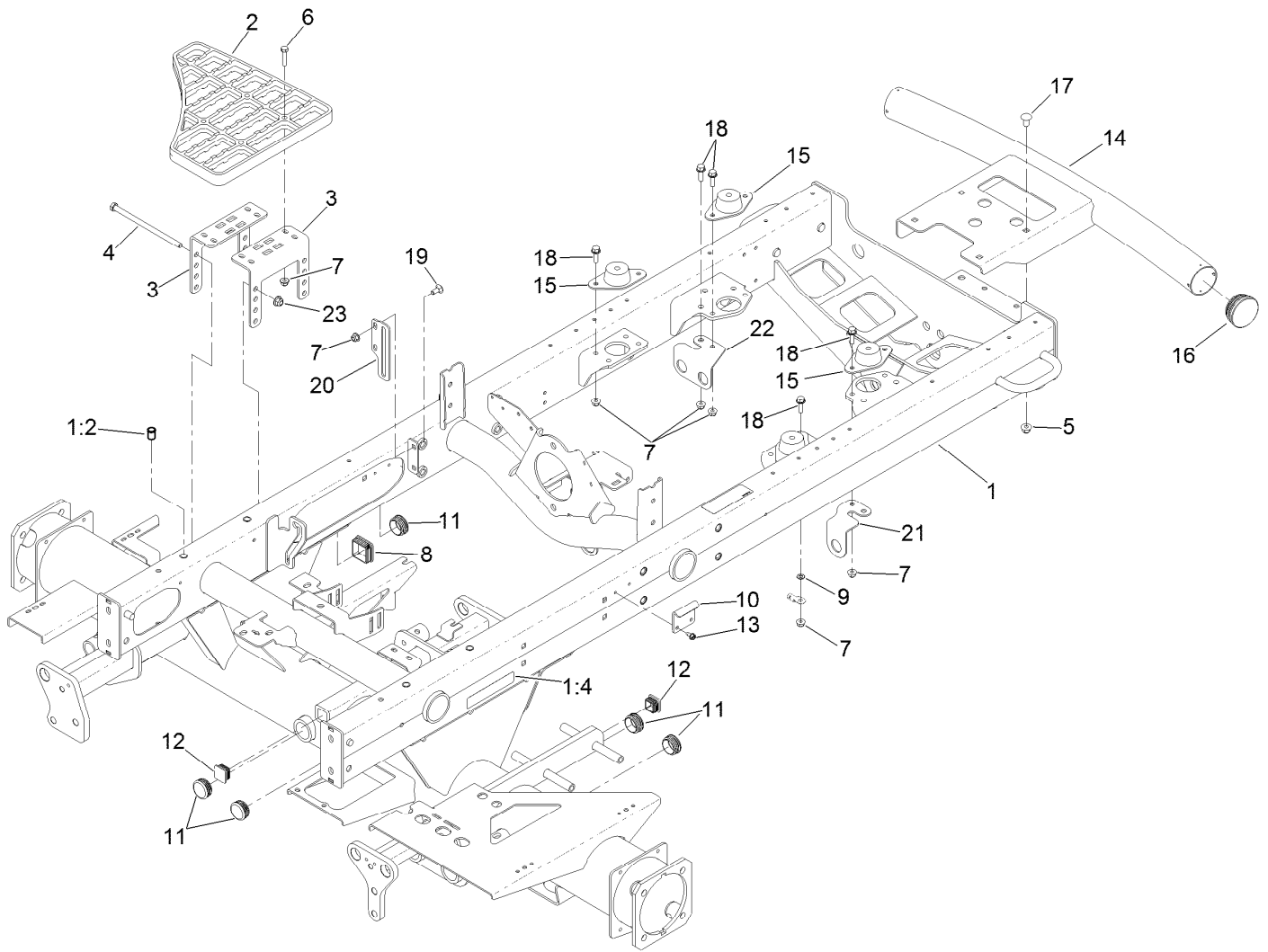
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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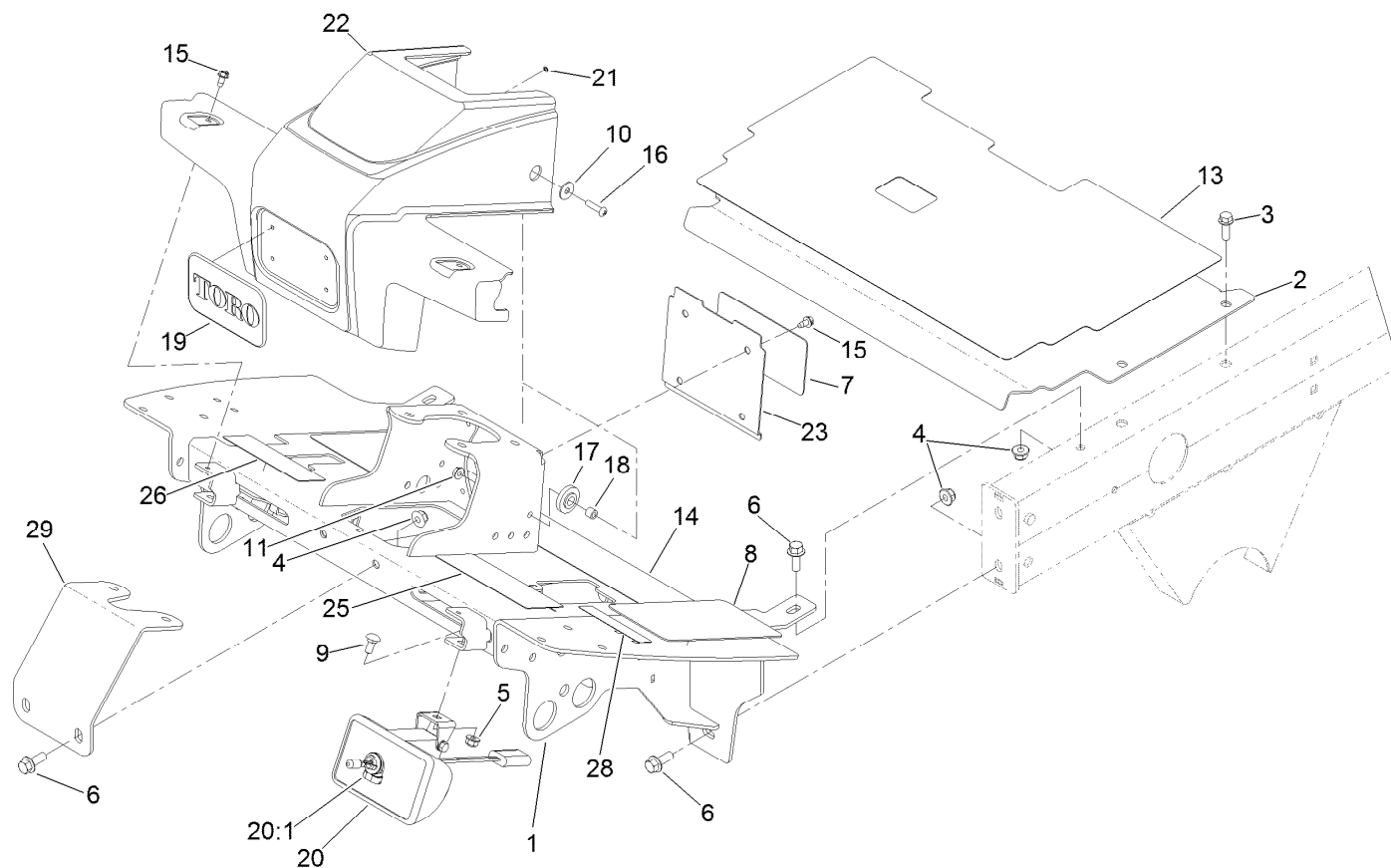
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## Frame Assembly

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 120-3809    | 1    | Frame ASM       |
| 1:2  | 32148-7     | 4    | Nut-Clinch      |
| 1:4  | 93-6689     | 2    | Decal-No Riders |
| 2    | 110-9041    | 2    | Step-Aluminum   |
| 3    | 117-5161-01 | 4    | Bracket-Step    |
| 4    | 323-36      | 4    | Screw-HH        |
| 5    | 104-8301    | 4    | Nut-HF, NI      |
| 6    | 322-17      | 8    | Screw-HH        |
| 7    | 104-8300    | 20   | Nut-HF, NI      |
| 8    | 95-9495     | 1    | Cap             |
| 9    | 3255-8      | 1    | Washer-Lock     |
| 10   | 110-8972    | 1    | Hook-Latch      |
| 11   | 110-9012    | 5    | Caplug          |

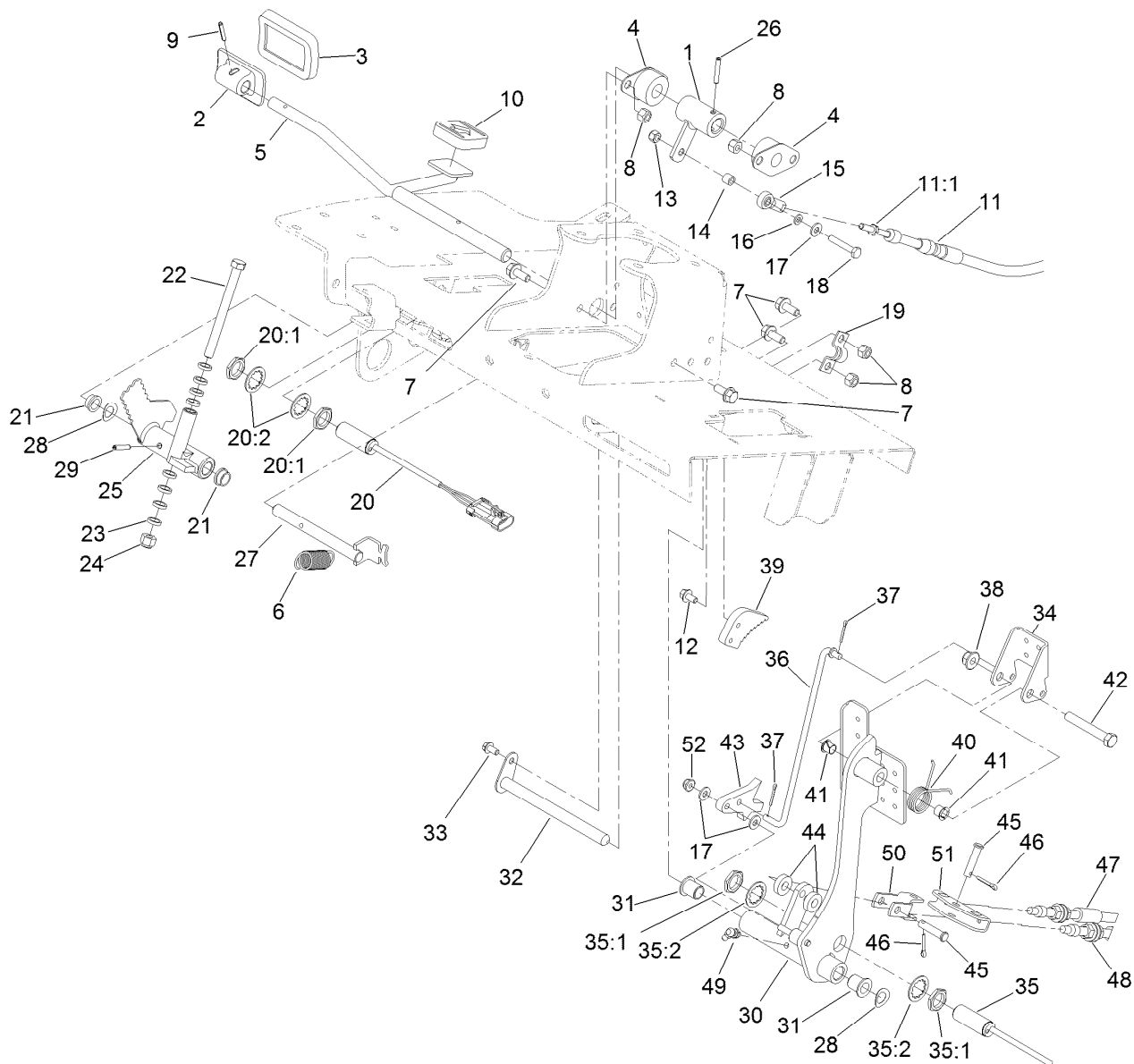
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 12   | 110-9013    | 2    | Caplug           |
| 13   | 32104-17    | 2    | Screw-HWH        |
| 14   | 110-8951-03 | 1    | Bumper           |
| 15   | 120-6274    | 4    | Mount-Engine     |
| 16   | 2410-42     | 2    | Cap-End          |
| 17   | 3231-21     | 4    | Screw-CARR       |
| 18   | 3234-29     | 10   | Screw-HHF        |
| 19   | 3230-1      | 2    | Bolt-CARR        |
| 20   | 108-7584-01 | 1    | Plate-Guide, Rod |
| 21   | 117-0155    | 1    | Bracket-4Wd, LH  |
| 22   | 117-0154    | 1    | Bracket-4Wd, RH  |
| 23   | 32128-21    | 4    | Nut-HF Lock      |



## Operator Platform Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 117-0161-01 | 1    | Platform             |
| 2    | 115-8064-01 | 1    | Plate-Floor          |
| 3    | 3234-17     | 4    | Screw-HHF            |
| 4    | 104-8301    | 6    | Nut-HF, NI           |
| 5    | 104-8300    | 2    | Nut-HF, NI           |
| 6    | 3234-11     | 6    | Screw-HHF            |
| 7    | 110-0986    | 1    | Decal-Plate, Cover   |
| 8    | 125-2910    | 2    | Tread-Floor, Side    |
| 9    | 3230-1      | 2    | Bolt-CARR            |
| 10   | 87-6630     | 2    | Washer-Plain         |
| 11   | 32128-33    | 2    | Nut-HF               |
| 13   | 125-2911    | 1    | Tread-Panel, Service |
| 14   | 125-2909    | 1    | Tread-Floorboard     |
| 15   | 32104-17    | 6    | Screw-HWH            |

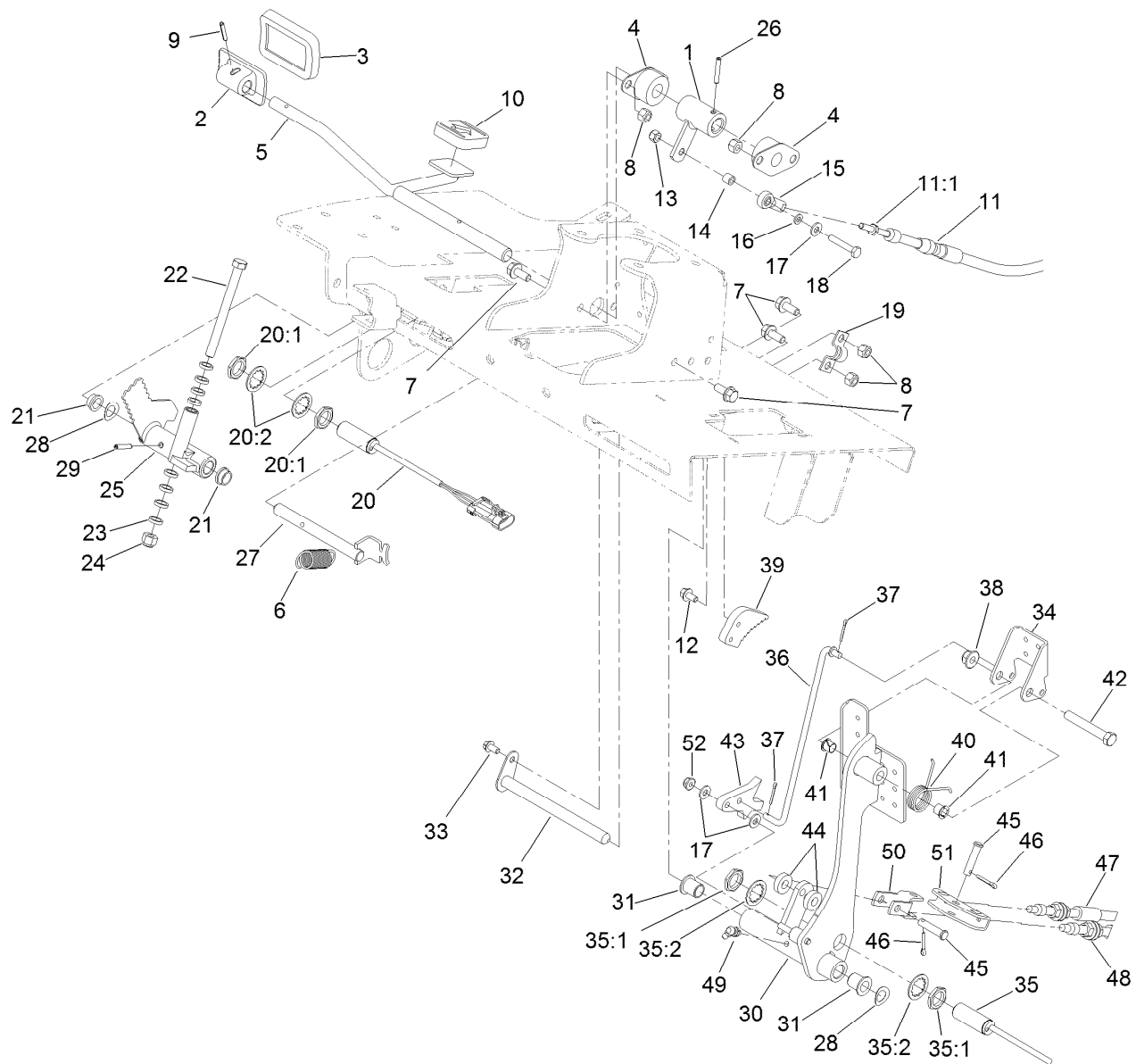
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 16   | 106-9518    | 2    | Screw-PRH             |
| 17   | 240-11      | 2    | Bushing-Flange        |
| 18   | 66-8010     | 2    | Spacer                |
| 19   | 93-6028     | 1    | Plate-Logo            |
| 20   | 94-9024     | 2    | Lamp ASM              |
| 20:1 | 95-0909     | 1    | Lamp-12 Volt          |
| 21   | 3254-9      | 4    | Washer-Lock, Internal |
| 22   | 110-0944    | 1    | Shroud-Platform       |
| 23   | 110-0947-03 | 1    | Plate-Cover           |
| 25   | 110-8869    | 1    | Decal-Danger          |
| 26   | 110-8921    | 1    | Decal-Speed, Mow      |
| 28   | 117-2718    | 1    | Decal-Arrester, Spark |
| 29   | 110-8876-01 | 1    | Brace-Column          |



## Pedal Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 117-5199    | 1    | Hub-Pedal, Traction   |
| 2    | 117-9507    | 1    | Pedal-Accelerator     |
| 3    | 74-9100     | 1    | Pad-Pedal, Forward    |
| 4    | 256-236     | 2    | Bearing-Mount, Flange |
| 5    | 106-3840    | 1    | Pedal-Traction        |
| 6    | 92-7305     | 1    | Spring-Extension      |
| 7    | 3234-5      | 6    | Screw-HHF             |
| 8    | 3296-29     | 6    | Nut-Lock, NI          |
| 9    | 32121-45    | 1    | Pin-Spring            |
| 10   | 74-9110     | 1    | Pad-Pedal, Reverse    |
| 11   | 107-2084    | 1    | Traction Cable ASM    |
| 11:1 | 3220-1      | 2    | Nut-Jam               |
| 12   | 3234-13     | 2    | Screw-HHF             |
| 13   | 3296-42     | 1    | Nut-Lock, NI          |
| 14   | 66-8010     | 1    | Spacer                |
| 15   | 2411-41     | 1    | Rod End-Ball Joint    |
| 16   | 33093-00    | 1    | Washer-Flat           |
| 17   | 3256-22     | 3    | Washer-Flat           |
| 18   | 321-9       | 1    | Screw-HH              |
| 19   | 93-2092     | 1    | Clamp-Cable           |
| 20   | 115-0282    | 1    | Proximity Sensor ASM  |

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 20:1 | 117-3207    | 2    | Nut-Hex                     |
| 20:2 | 117-3208    | 2    | Washer-Lock, Internal Tooth |
| 21   | 256-156     | 2    | Bushing-Flange              |
| 22   | 323-17      | 1    | Screw-HH                    |
| 23   | 62-4420     | 8    | Washer                      |
| 24   | 3296-39     | 1    | Nut-Lock, NI                |
| 25   | 117-8066    | 1    | Mow-Stop                    |
| 26   | 32121-6     | 1    | Pin-Roll, Slotted           |
| 27   | 106-3731    | 1    | Rod-Pivot                   |
| 28   | 110-8982    | 2    | Washer-Spring               |
| 29   | 32121-16    | 1    | Pin-Spring                  |
| 30   | 115-0120-03 | 1    | Pedal-Brake                 |
| 31   | 125-8775    | 2    | Bushing-Flange              |
| 32   | 104-7179    | 1    | Pivot-Pedal                 |
| 33   | 32144-4     | 1    | Screw-HWH                   |
| 34   | 99-7963-03  | 1    | Pedal-Park                  |
| 35   | 115-5300    | 1    | Proximity Switch ASM        |
| 35:1 | 117-3207    | 2    | Nut-Hex                     |
| 35:2 | 117-3208    | 2    | Washer-Lock, Internal Tooth |
| 36   | 115-0129    | 1    | Rod-Pawl, Brake             |
| 37   | 3272-6      | 2    | Pin-Cotter                  |

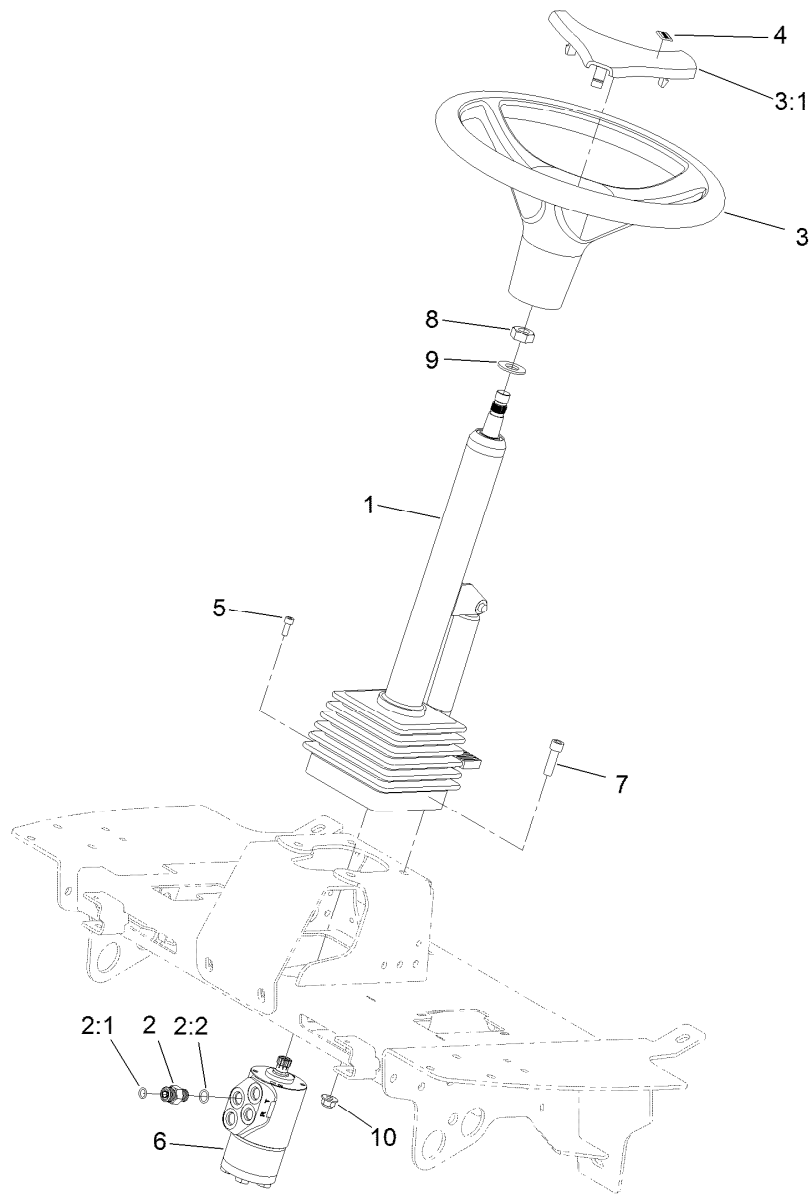


## Pedal Assembly (continued)

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 38   | 104-8301    | 1    | Nut-HF, NI             |
| 39   | 99-7214     | 1    | Pawl-Brake             |
| 40   | 99-7140     | 1    | Spring-Torsion         |
| 41   | 52-2891     | 2    | Bushing-Flanged, Nylon |
| 42   | 323-12      | 1    | Screw-HH               |
| 43   | 117-0238    | 1    | Detent                 |
| 44   | 5-0652      | 2    | Spacer                 |
| 45   | 283-14      | 2    | Pin-Clevis             |

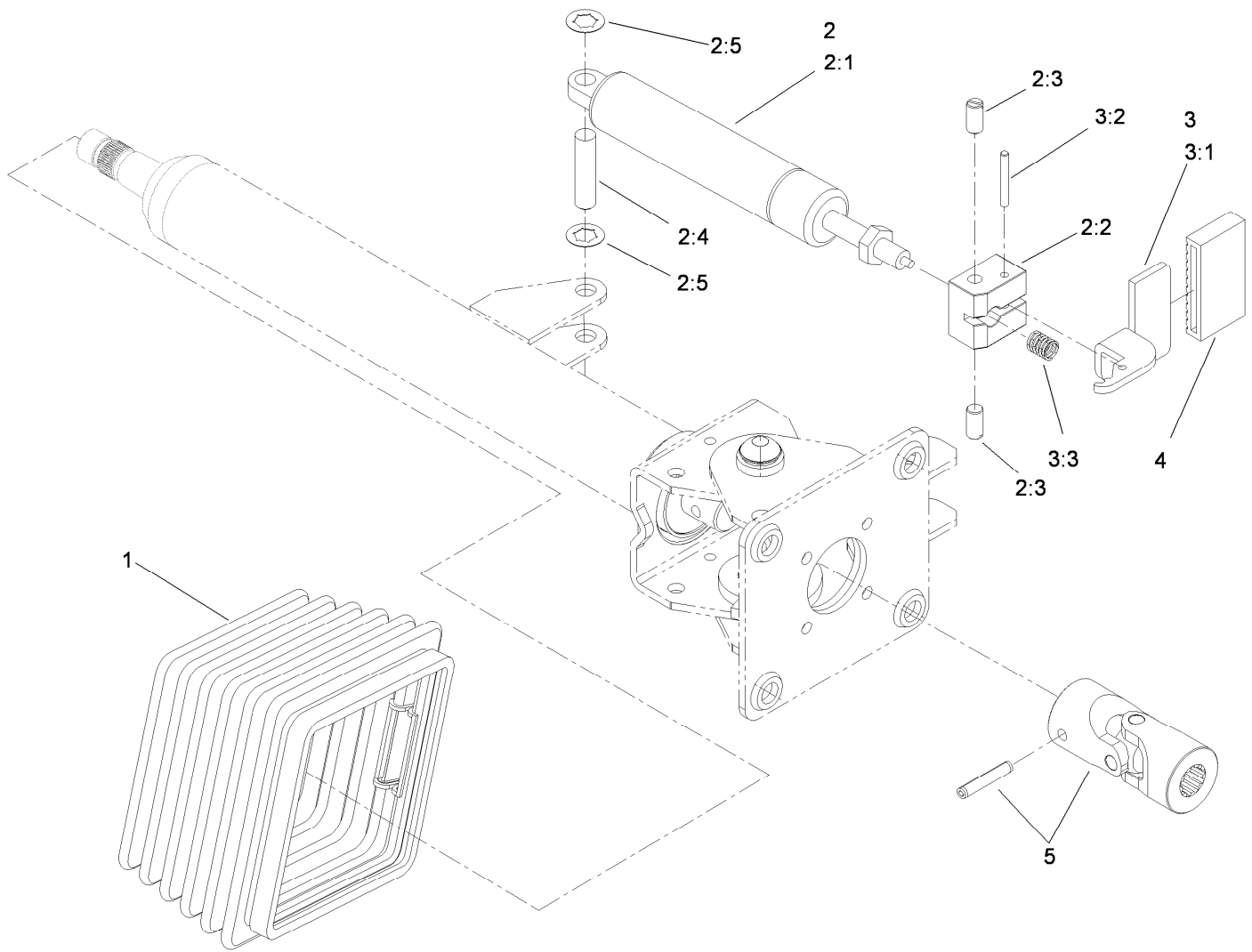
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 46   | 3272-10     | 2    | Pin-Cotter      |
| 47   | 117-0106    | 1    | Cable-Brake, RH |
| 48   | 117-0107    | 1    | Cable-Brake, LH |
| 49   | 302-60      | 1    | Fitting-Grease  |
| 50   | 115-8060    | 1    | Clevis-Double   |
| 51   | 115-8059    | 1    | Yoke-Cable      |
| 52   | 104-7201    | 1    | Nut-HF, NI      |





## Steering Assembly

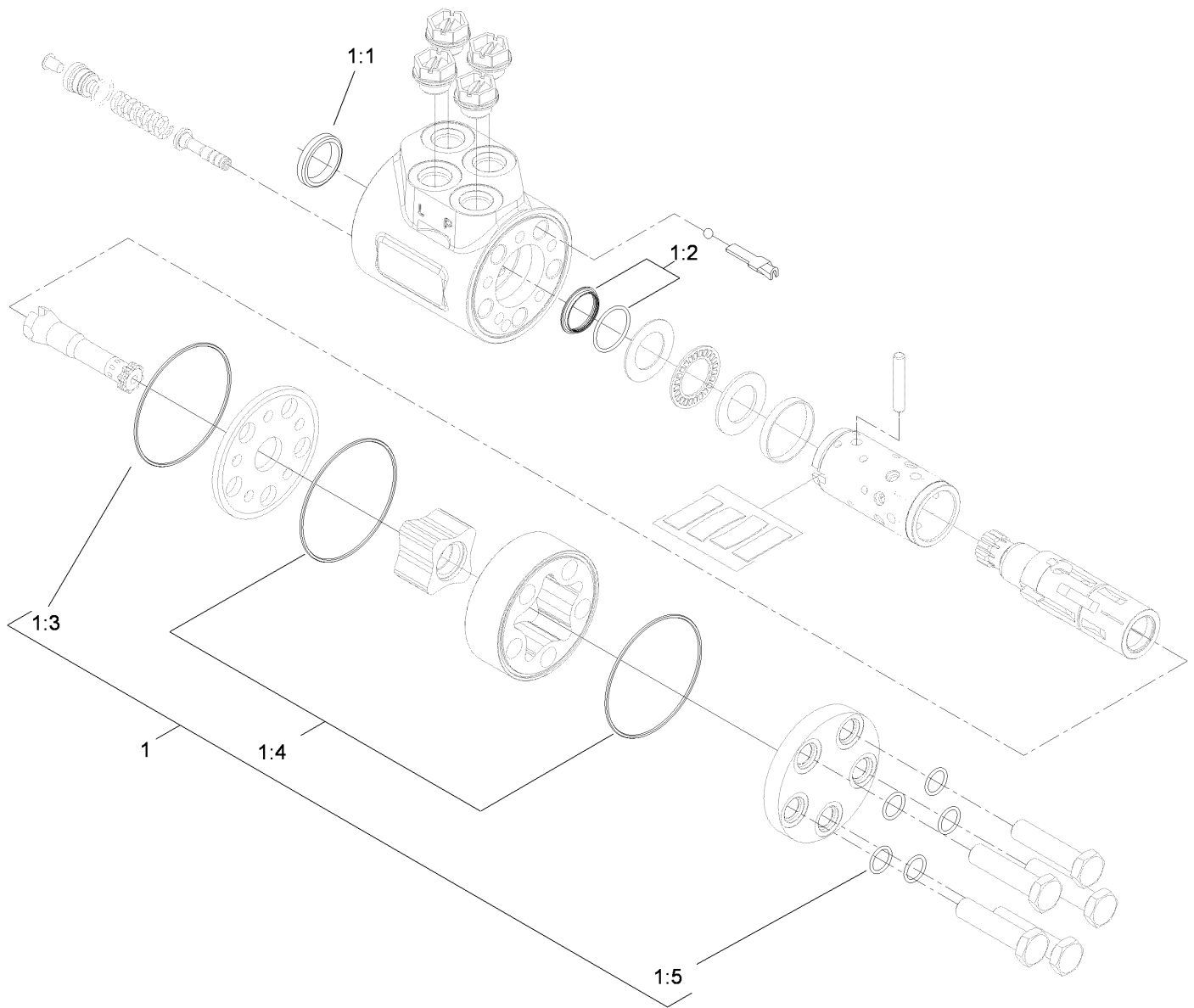
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 106-3622    | 1    | Steering Tilt Column ASM |
| 2    | 340-2       | 4    | Fitting-Straight         |
| 2:1  | 237-22      | 1    | O-Ring                   |
| 2:2  | 237-42      | 1    | O-Ring                   |
| 3    | 98-1471     | 1    | Wheel-Steering           |
| 3:1  | 98-1468     | 1    | Cover-Wheel, Steering    |
| 4    | 98-1459     | 1    | Decal                    |
| 5    | 105-2409    | 4    | Screw-HSH                |
| 6    | 106-3621    | 1    | Steering Valve ASM       |
| 7    | 3274-1      | 4    | Screw-HSH                |
| 8    | 3296-33     | 1    | Nut-Lock, NI             |
| 9    | 3256-27     | 1    | Washer-Flat              |
| 10   | 104-8301    | 4    | Nut-HF, NI               |



## Steering Tilt Column Assembly No. 106-3622

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-6462    | 1    | Bellows-Rubber       |
| 2    | 110-6463    | 1    | Cylinder Service Kit |
| 2:1  |             | 1    | Cylinder-Gas ●       |
| 2:2  |             | 1    | Block-Pedal ●        |
| 2:3  |             | 2    | Bolt ●               |
| 2:4  |             | 1    | Pin ●                |
| 2:5  |             | 2    | Washer-Lock ●        |
| 3    | 110-6464    | 1    | Pedal Service Kit    |
| 3:1  |             | 1    | Pedal ●              |
| 3:2  |             | 1    | Pin ●                |
| 3:3  |             | 1    | Spring ●             |
| 4    | 110-6465    | 1    | Cover-Pedal          |
| 5    | 120-6256    | 1    | Universal Joint Kit  |

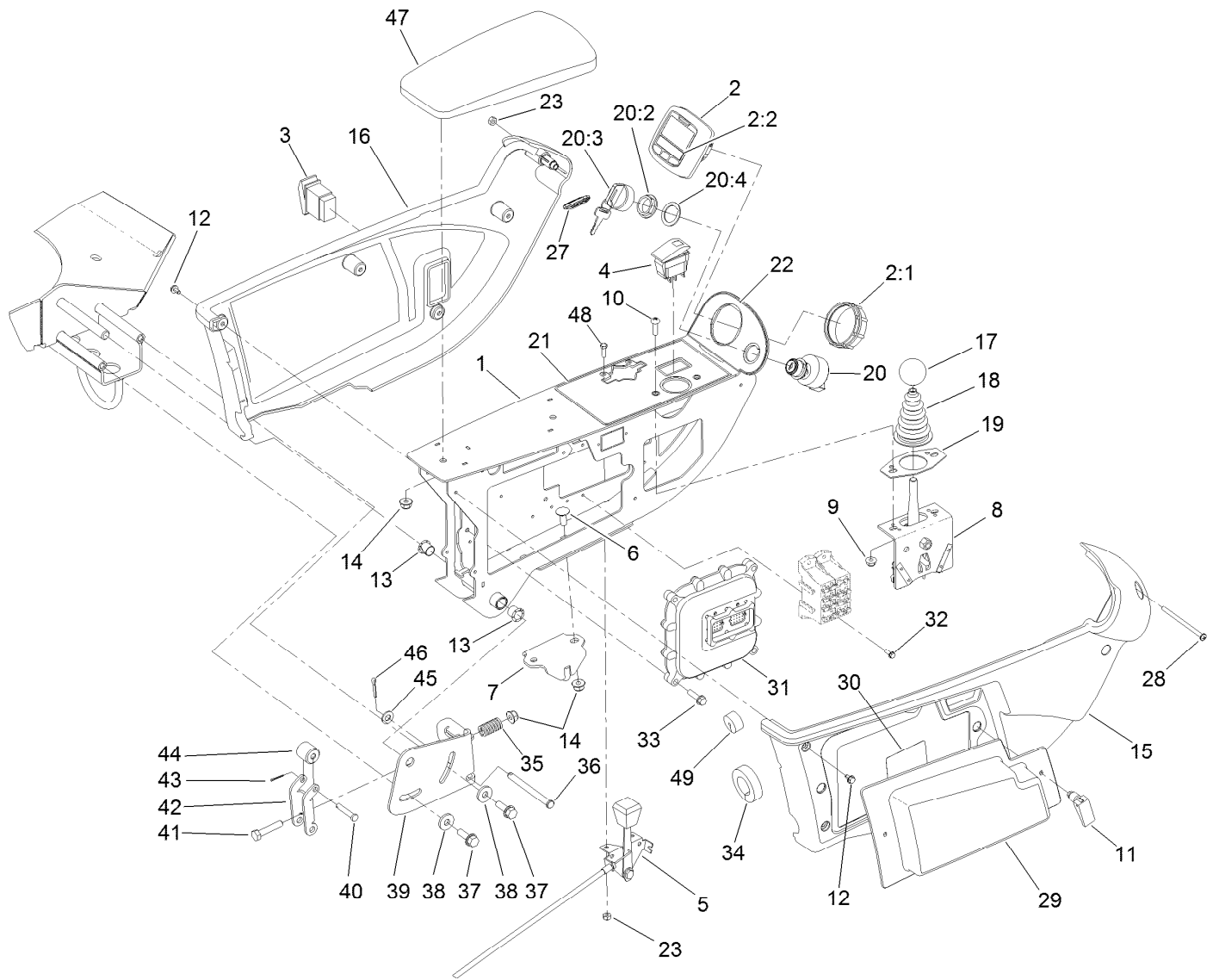
● Not serviced separately



## Steering Valve Assembly No. 106-3621

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

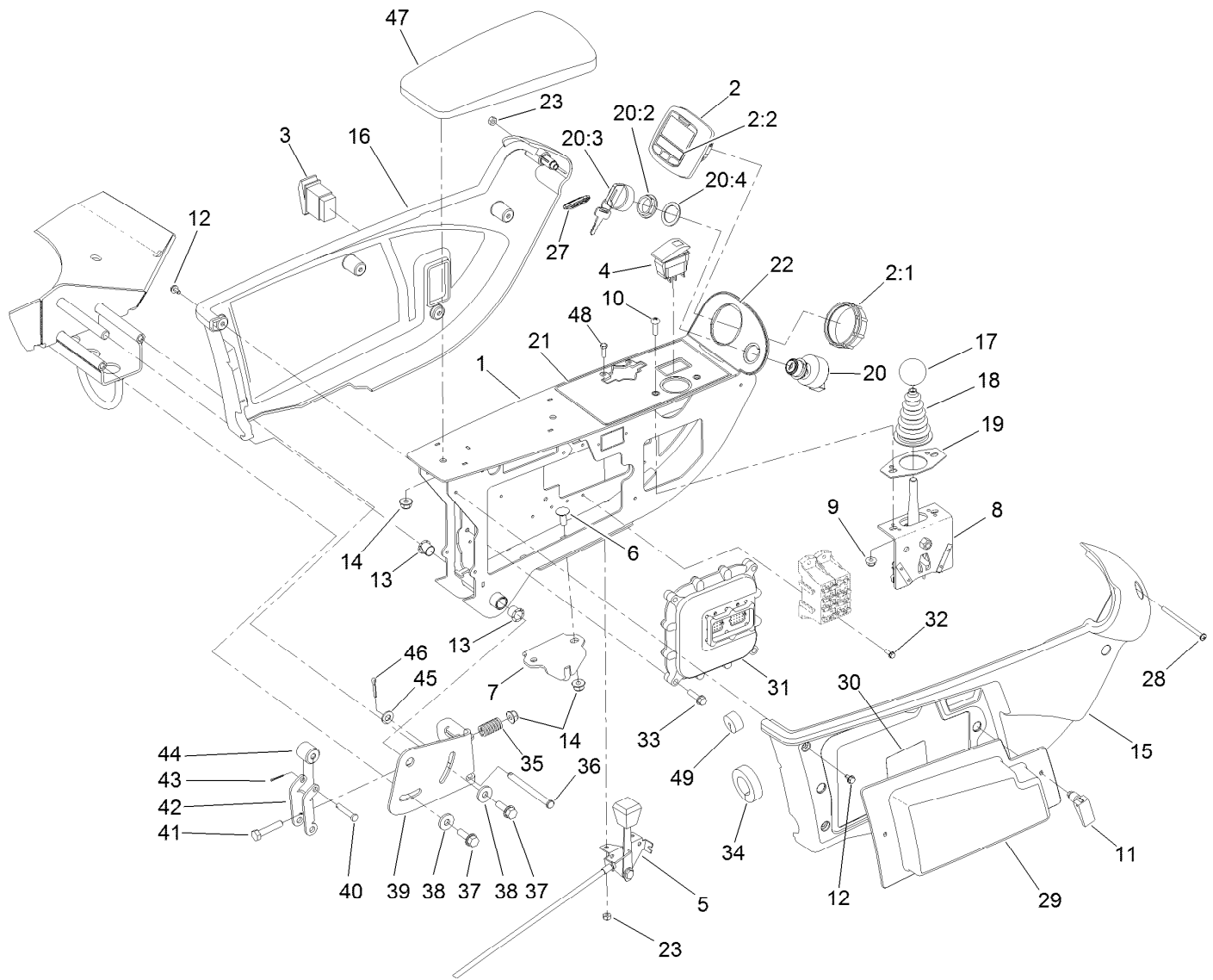
● Not serviced separately



## Console and Control Arm Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 120-3801-03 | 1    | Frame-Arm, Control |
| 2    | 120-6310    | 1    | LCD Display ASM    |
| 2:1  | 120-4630    | 1    | Nut-Display        |
| 2:2  | 120-6311    | 1    | Decal-Display      |
| 3    | 95-8999     | 1    | Switch             |
| 4    | 105-4232    | 1    | Switch             |
| 5    | 114-8886    | 1    | Control-Throttle   |
| 6    | 3230-23     | 2    | Bolt-CARR          |
| 7    | 110-5340    | 1    | Latch              |
| 8    | 120-5280    | 1    | Bracket-Joystick   |
| 9    | 104-7201    | 2    | Nut-HF, NI         |
| 10   | 3258-166    | 2    | Screw-PRH          |
| 11   | 74-5950     | 2    | Latch-Swell        |
| 12   | 104-2065    | 10   | Screw-HWH          |
| 13   | 256-257     | 2    | Bushing-Nyliner    |
| 14   | 104-8300    | 5    | Nut-HF, NI         |
| 15   | 108-7605    | 1    | Cover-RH           |
| 16   | 108-7604    | 1    | Cover-LH           |
| 17   | 233-42      | 1    | Knob               |
| 18   | 93-5961     | 1    | Boot-Lever         |
| 19   | 112-9181    | 1    | Plate-Boot         |

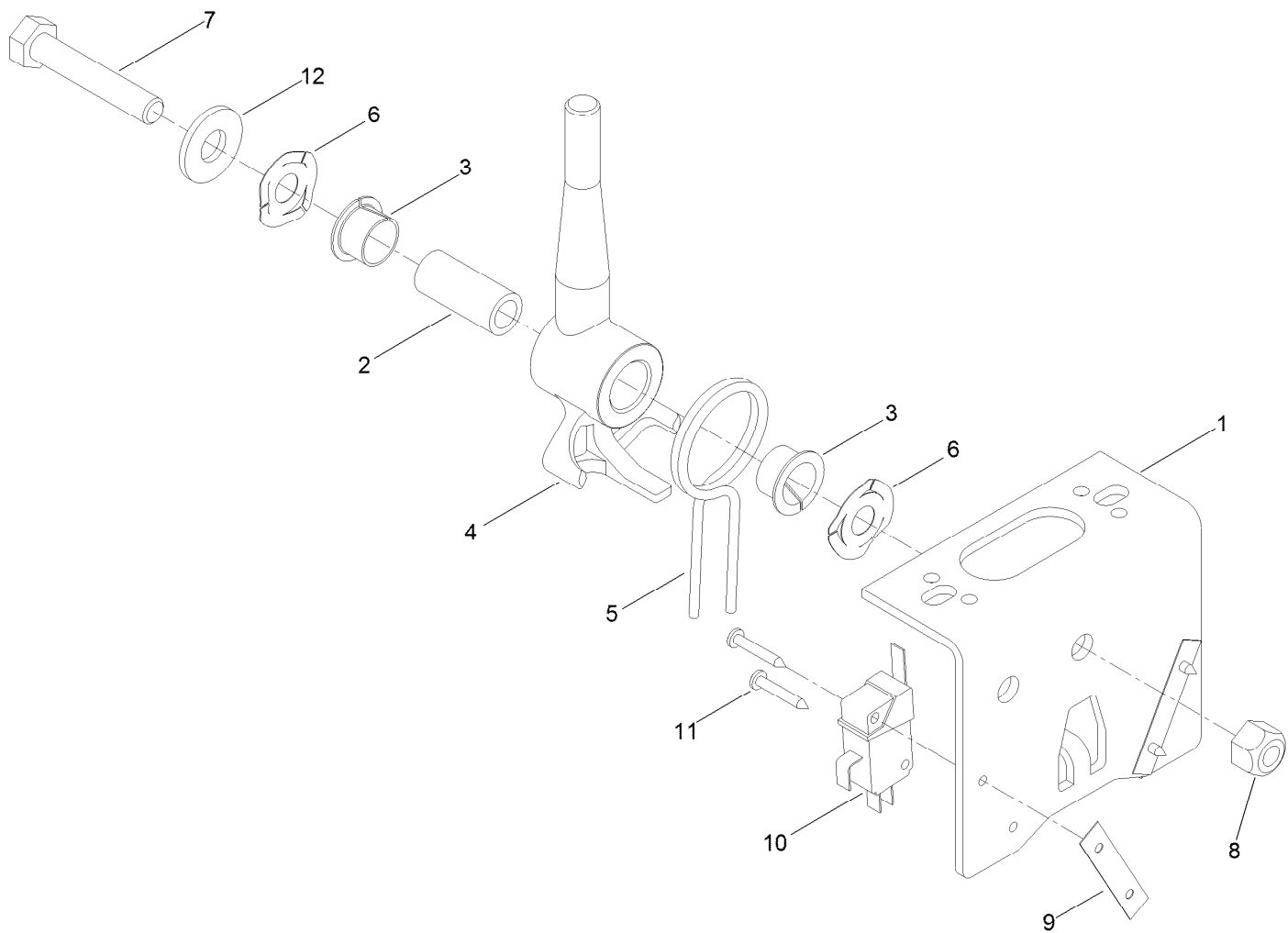
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 20   | 106-5269    | 1    | Ignition Switch ASM  |
| 20:2 | 108-8660    | 1    | Nut-Mounting         |
| 20:3 | 106-5270    | 1    | Ignition Key Set     |
| 20:4 | 108-8659    | 1    | Washer-Backup        |
| 21   | 121-5644    | 1    | Decal-Control Panel  |
| 22   | 120-4158    | 1    | Decal-Console, Upper |
| 23   | 3296-2      | 3    | Nut-Lock, NI         |
| 27   | 99-8970     | 1    | Key-Latch, Hood      |
| 28   | 3250-22     | 1    | Screw-PPH            |
| 29   | 114-0446    | 1    | Panel-Access         |
| 30   | 117-0169    | 1    | Decal-Fuses          |
| 31   | 114-3321    | 1    | Controller-Tec       |
| 32   | 32144-87    | 4    | Screw-HWHTF          |
| 33   | 32144-86    | 4    | Screw-HWHTF          |
| 34   | 110-8912    | 1    | Seal-Foam            |
| 35   | 110-5331    | 1    | Spring-Compression   |
| 36   | 283-88      | 1    | Pin-Clevis           |
| 37   | 3234-29     | 2    | Screw-HHF            |
| 38   | 4-2390      | 2    | Washer-Flat          |
| 39   | 110-5313-03 | 1    | Bracket-Retainer     |
| 40   | 283-73      | 1    | Pin-Clevis           |



## Console and Control Arm Assembly (continued)

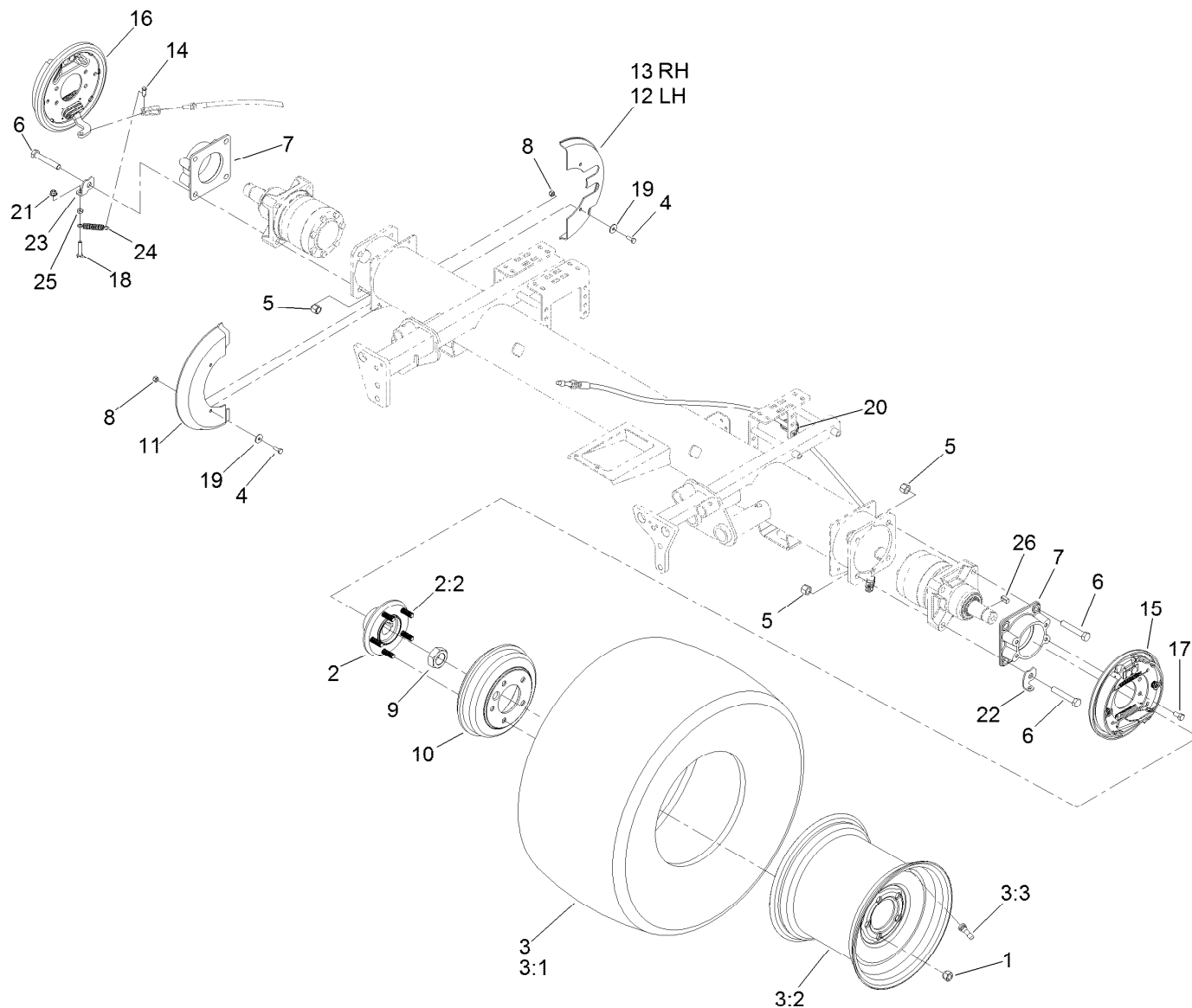
| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 41   | 322-7       | 1    | Screw-HH     |
| 42   | 110-5314    | 1    | Latch        |
| 43   | 3272-1      | 1    | Pin-Cotter   |
| 44   | 110-8856    | 1    | Spacer       |
| 45   | 3256-23     | 1    | Washer-Plain |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 46   | 3272-10     | 1    | Pin-Cotter  |
| 47   | 108-7602    | 1    | Rest-Arm    |
| 48   | 3290-134    | 2    | Screw       |
| 49   | 110-8911    | 1    | Seal-Foam   |



## Joystick Bracket Assembly No. 120-5280

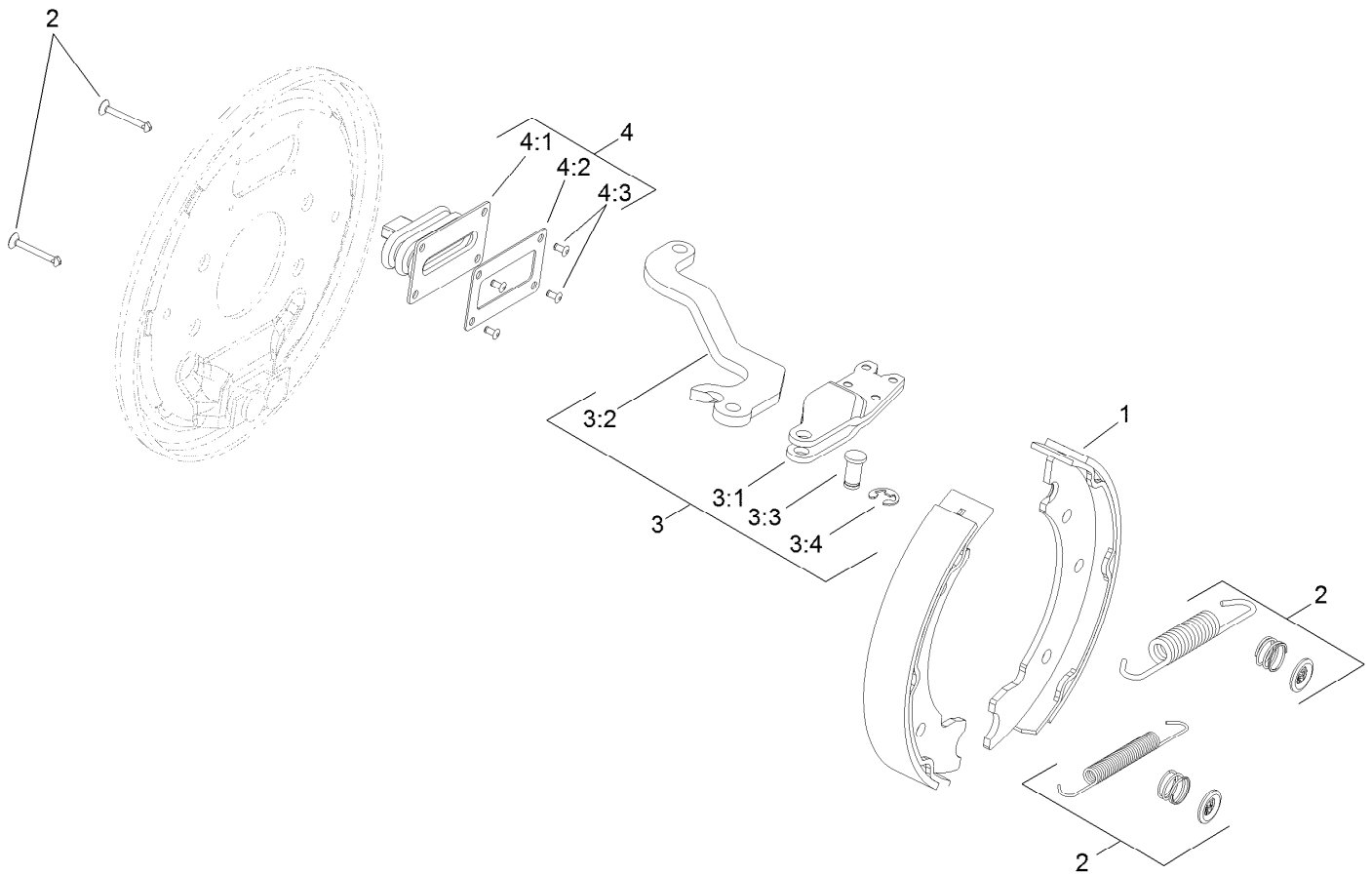
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 115-5357-03 | 1    | Bracket-Joystick      |
| 2    | 106-4192    | 1    | Spacer                |
| 3    | 93-5547     | 2    | Bushing-Nylon         |
| 4    | 119-3540    | 1    | Hub-Pivot, Joystick   |
| 5    | 105-8289    | 1    | Spring-Torsion        |
| 6    | 106-4193    | 2    | Washer-Finger, Spring |
| 7    | 322-9       | 1    | Screw-HH              |
| 8    | 3296-29     | 1    | Nut-Lock, NI          |
| 9    | 3290-354    | 2    | Nut-Speed             |
| 10   | 108-6496    | 2    | Switch (W/Boot)       |
| 11   | 95-3003     | 4    | Screw-PPHTF           |
| 12   | 3256-3      | 1    | Washer-Flat           |



## Front Axle Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 242-50      | 10   | Nut-Lug             |
| 2    | 121-5631    | 2    | Hub ASM             |
| 2:2  | 114-3918    | 5    | Stud-Wheel          |
| 3    | 117-5194    | 2    | Tire ASM            |
| 3:1  | 117-5196    | 1    | Tire                |
| 3:2  | 117-5197    | 1    | Wheel               |
| 3:3  | 232-27      | 1    | Stem-Valve          |
| 4    | 321-4       | 8    | Screw-HH            |
| 5    | 3296-23     | 8    | Nut-Lock, NI        |
| 6    | 325-12      | 8    | Screw-HH            |
| 7    | 120-6253-03 | 2    | Adapter-Brake       |
| 8    | 3296-42     | 8    | Nut-Lock, NI        |
| 9    | 117-3290    | 2    | Nut-Hex             |
| 10   | 114-8864    | 2    | Drum-Brake          |
| 11   | 110-0950    | 2    | Shield-Wheel, Front |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 12   | 110-0951    | 1    | Shield-Wheel, Rear (LH) |
| 13   | 110-8878    | 1    | Shield-Wheel, Rear (RH) |
| 14   | 283-62      | 2    | Pin-Clevis              |
| 15   | 120-6261    | 1    | LH Brake ASM            |
| 16   | 120-6260    | 1    | RH Brake ASM            |
| 17   | 323-4       | 8    | Screw-HH                |
| 18   | 322-7       | 2    | Screw-HH                |
| 19   | 3256-67     | 8    | Washer                  |
| 20   | 3290-378    | 2    | Tie-Cable               |
| 21   | 104-8300    | 2    | Nut-HF, NI              |
| 22   | 120-6267    | 1    | Clip-Spring, LH         |
| 23   | 120-6266    | 1    | Clip-Spring, RH         |
| 24   | 87-4020     | 2    | Spring-Extension        |
| 25   | 3218-2      | 2    | Nut-Hex Jam             |
| 26   | 117-5198    | 2    | Key-Square              |

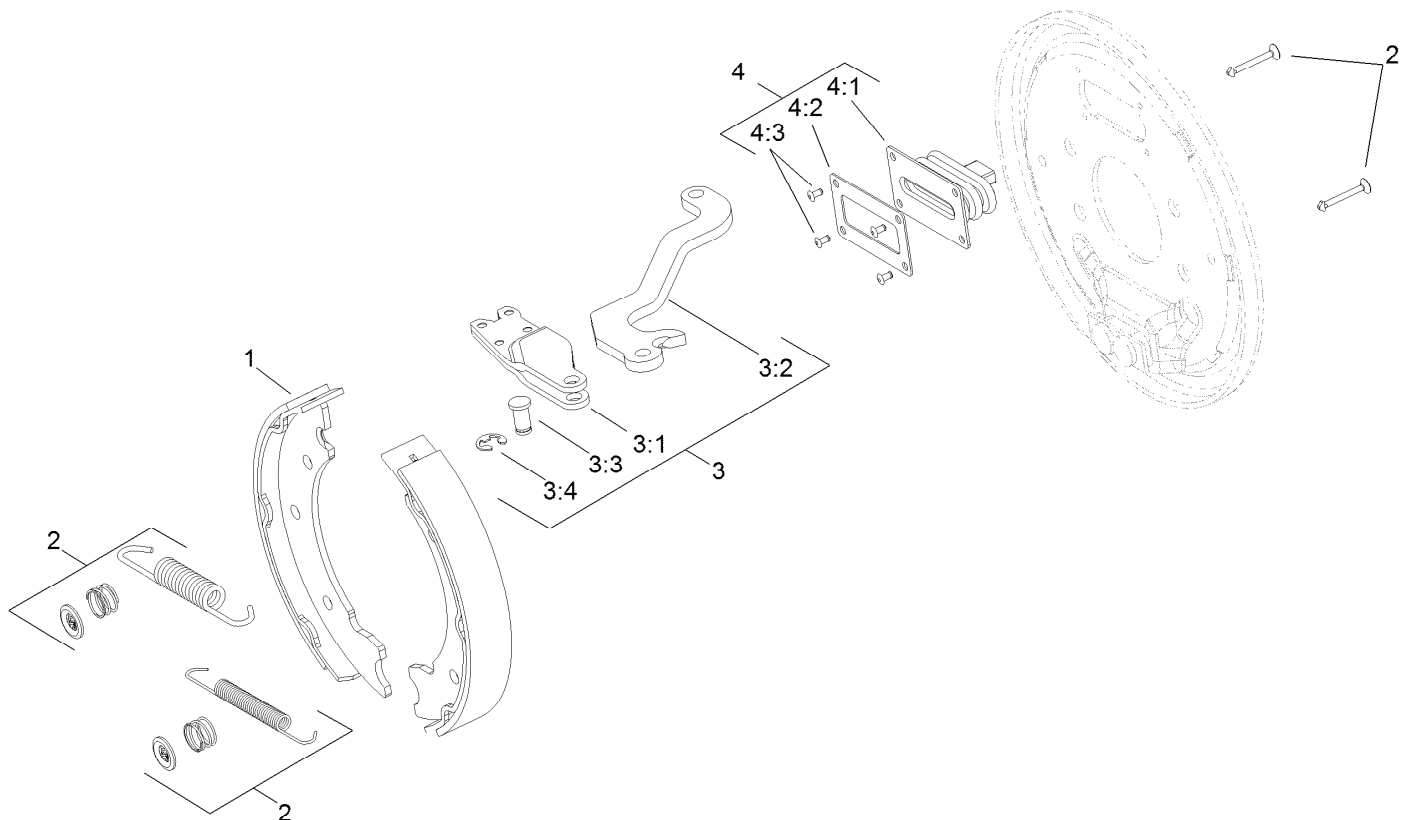


## LH Brake Assembly No. 120-6261

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 108-6981    | 1    | Brake Shoe Kit     |
| 2    | 108-6983    | 1    | Brake Hardware Kit |
| 3    | 110-8910    | 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

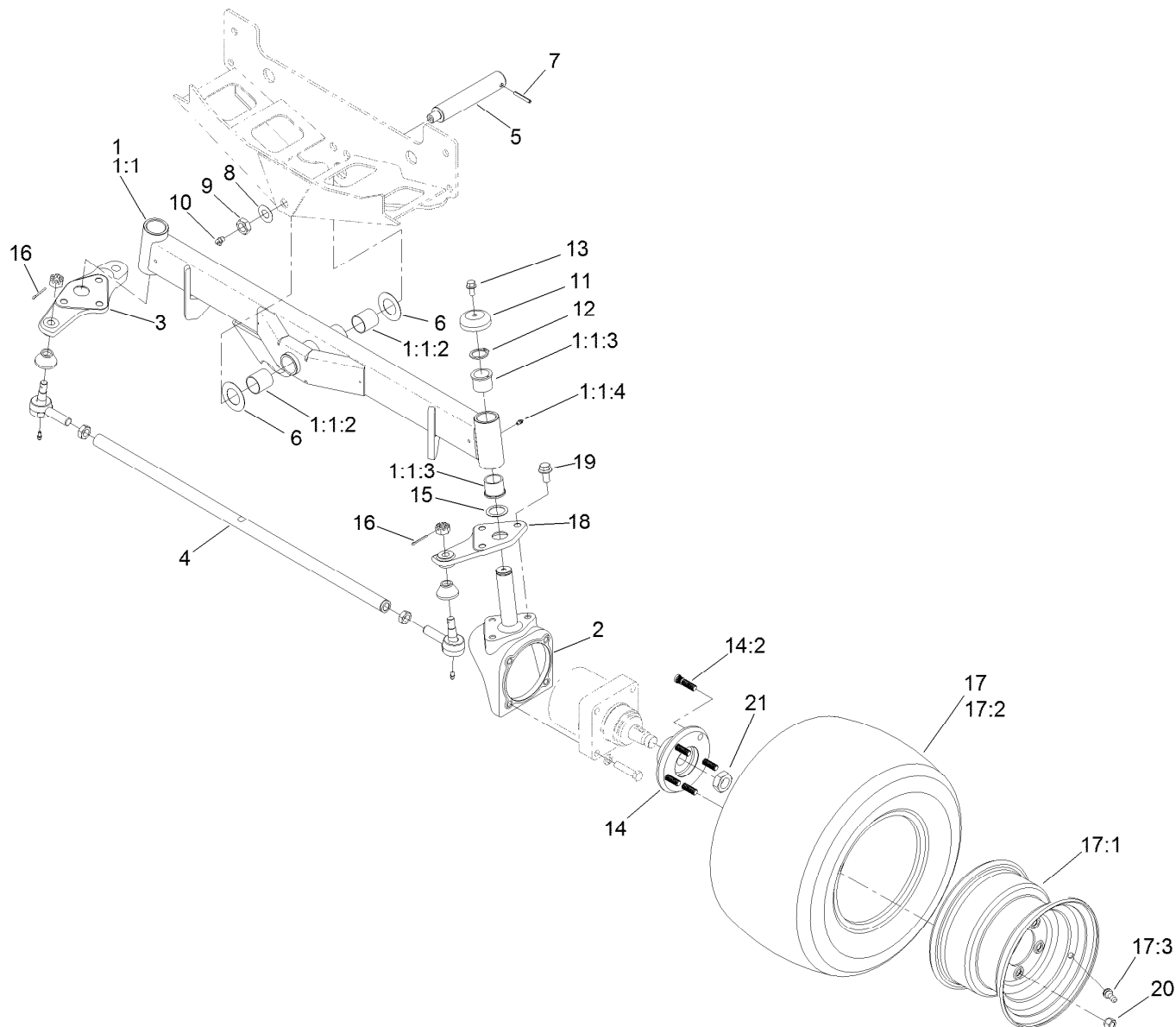




## RH Brake Assembly No. 120-6260

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 108-6981    | 1    | Brake Shoe Kit     |
| 2    | 108-6983    | 1    | Brake Hardware Kit |
| 3    | 110-8884    | 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

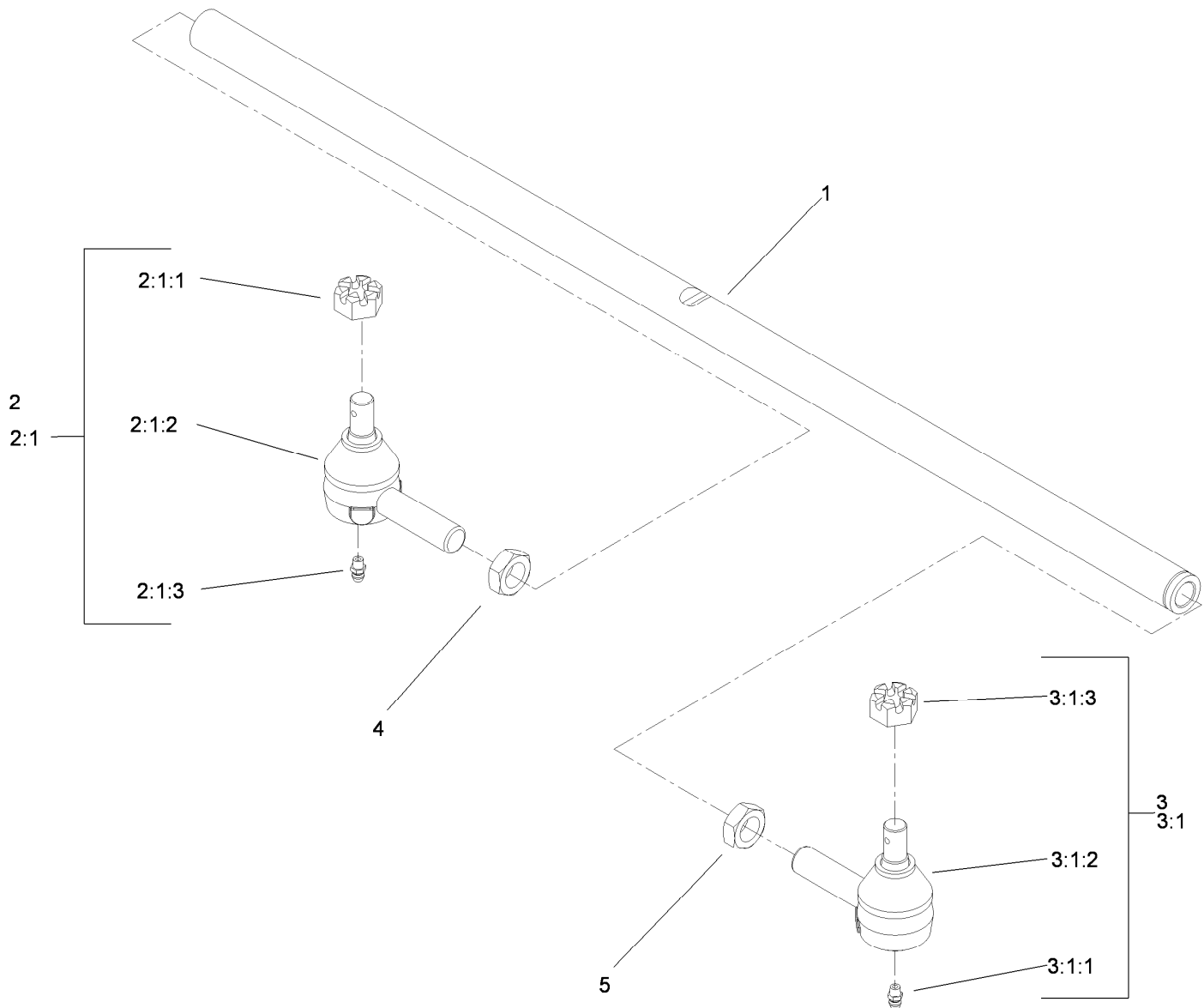


## Rear Axle Assembly

| Ref.  | Part Number | Qty. | Description     |
|-------|-------------|------|-----------------|
| 1     | 117-0256-03 | 1    | Axle ASM        |
| 1:1   |             | 1    | Axle ●          |
| 1:1:2 | 99-6964     | 2    | Bushing-Axle    |
| 1:1:3 | 104-0015    | 4    | Bushing-Flange  |
| 1:1:4 | 302-5       | 2    | Fitting-Grease  |
| 2     | 107-4517-03 | 2    | Housing-Motor   |
| 3     | 110-5295-03 | 1    | Link-Drag, RH   |
| 4     | 110-5334-03 | 1    | Tie Rod ASM     |
| 5     | 98-8173     | 1    | Pin-Pivot, Axle |
| 6     | 99-8432     | 2    | Washer-Thrust   |
| 7     | 32121-32    | 1    | Pin-Roll        |
| 8     | 71-4540     | 1    | Washer-Thrust   |
| 9     | 32146-20    | 1    | Nut-Hex         |
| 10    | 302-33      | 1    | Fitting-Grease  |
| 11    | 69-8890     | 2    | Cap-Spindle     |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 12   | 32151-77    | 2    | Ring-Retaining, External |
| 13   | 3234-1      | 2    | Screw-HHF                |
| 14   | 121-5633    | 2    | Hub ASM                  |
| 14:2 | 114-3918    | 5    | Stud-Wheel               |
| 15   | 76-2980     | 2    | Washer-Thrust            |
| 16   | 3272-12     | 2    | Pin-Cotter               |
| 17   | 117-0281    | 2    | Rim And Tire ASM         |
| 17:1 | 117-0280    | 1    | Rim                      |
| 17:2 | 117-5125    | 1    | Tire                     |
| 17:3 | 232-27      | 1    | Stem-Valve               |
| 18   | 110-5297-03 | 1    | Link-Drag, LH            |
| 19   | 3234-6      | 6    | Screw-HHF                |
| 20   | 242-50      | 10   | Nut-Lug                  |
| 21   | 26-3790     | 2    | Nut-Lock                 |

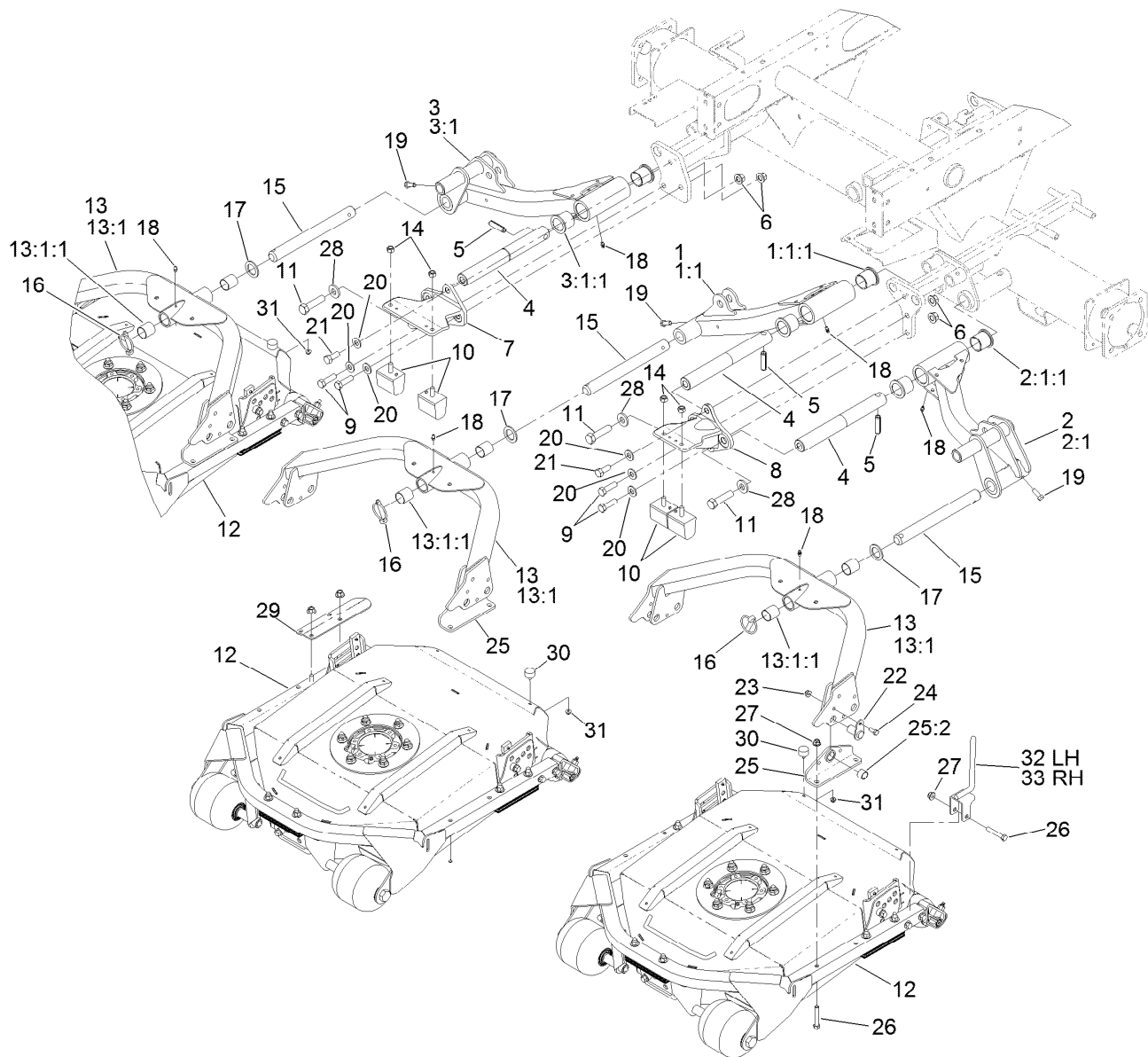
● Not serviced separately



## Tie Rod Assembly No. 110-5334-03

| Ref.  | Part Number | Qty. | Description         |
|-------|-------------|------|---------------------|
| 1     | 110-5335    | 1    | Rod-Tie             |
| 2     | 71-4740-03  | 1    | RH Tie Rod End ASM  |
| 2:1   |             | 1    | End-Rod, Tie (RH) ● |
| 2:1:1 | 105-7941    | 1    | Nut-Hex, Slotted    |
| 2:1:2 | 105-7835    | 1    | Seal                |
| 2:1:3 | 302-5       | 1    | Fitting-Grease      |
| 3     | 2411-46-03  | 1    | LH Tie Rod ASM      |
| 3:1   |             | 1    | End-Rod, Tie (LH) ● |
| 3:1:1 | 302-5       | 1    | Fitting-Grease      |
| 3:1:2 | 105-7835    | 1    | Seal                |
| 3:1:3 | 105-7941    | 1    | Nut-Hex, Slotted    |
| 4     | 84-5300     | 1    | Nut-Jam             |
| 5     | 110-5337    | 1    | Nut-Jam             |

● Not serviced separately

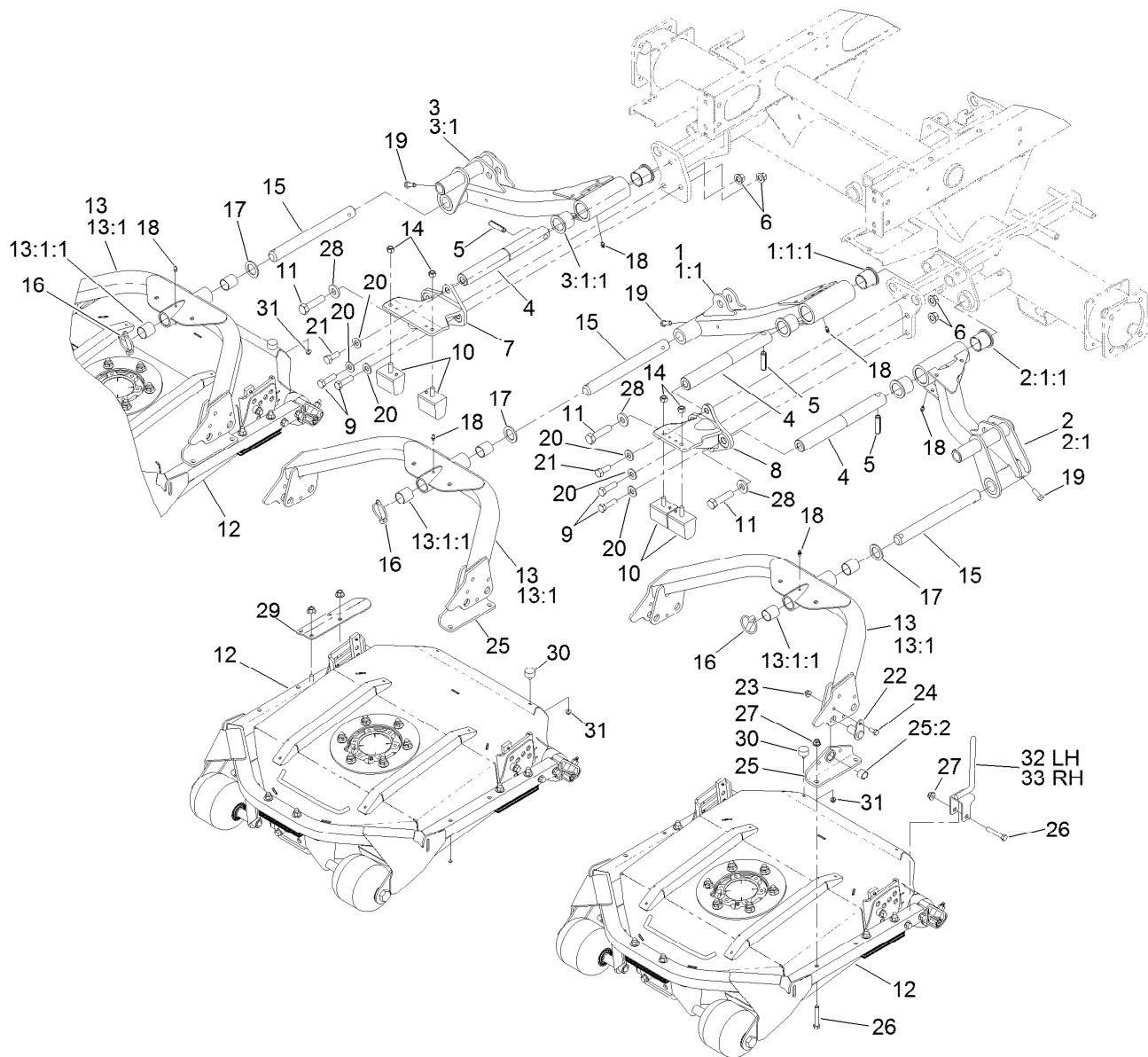


## Front Deck Suspension Assembly

| Ref.  | Part Number | Qty. | Description          |
|-------|-------------|------|----------------------|
| 1     | 114-0381-03 | 1    | Arm No. 1 ASM        |
| 1:1   |             | 1    | Arm ●                |
| 1:1:1 | 69-6470     | 2    | Bushing-Caster       |
| 2     | 114-0384-03 | 1    | Arm No. 4 ASM        |
| 2:1   |             | 1    | Arm ●                |
| 2:1:1 | 69-6470     | 2    | Bushing-Caster       |
| 3     | 114-0385-03 | 1    | Arm No. 5 ASM        |
| 3:1   |             | 1    | Arm ●                |
| 3:1:1 | 69-6470     | 2    | Bushing-Caster       |
| 4     | 117-0208    | 3    | Shaft-Pivot, Liftarm |
| 5     | 32121-122   | 3    | Pin-Roll             |
| 6     | 99-5107     | 4    | Nut-Lock             |
| 7     | 117-0250-03 | 1    | Tippe-RH             |
| 8     | 117-0252-03 | 1    | Tipper-LH            |
| 9     | 325-7       | 4    | Screw-HH             |
| 10    | 87-3470     | 4    | Bumper               |
| 11    | 327-7       | 3    | Screw-HH             |

| Ref.   | Part Number | Qty. | Description                   |
|--------|-------------|------|-------------------------------|
| 12     | 30845       | 3    | 22 Inch Contour Plus Deck ASM |
| 13     | 108-7384-03 | 3    | Carrier Frame ASM             |
| 13:1   |             | 1    | Frame-Carrier ●               |
| 13:1:1 | 108-4000    | 2    | Bushing                       |
| 14     | 33025-00    | 4    | Nut-Lock, NI                  |
| 15     | 105-7560    | 3    | Shaft-Cu Pivot                |
| 16     | 283-71      | 3    | Pin-Lynch                     |
| 17     | 3-6781      | 3    | Washer-Thrust                 |
| 18     | 302-5       | 6    | Fitting-Grease                |
| 19     | 323-6       | 3    | Screw-HH                      |
| 20     | 87-7270     | 6    | Washer-Thrust                 |
| 21     | 325-5       | 2    | Screw-HH                      |
| 22     | 117-0132    | 6    | Pin                           |
| 23     | 104-8300    | 6    | Nut-HF, NI                    |
| 24     | 322-3       | 6    | Screw-HH                      |
| 25     | 117-0118    | 6    | Pivot ASM                     |
| 25:2   | 108-8482    | 1    | Bushing-Sleeve                |

● Not serviced separately

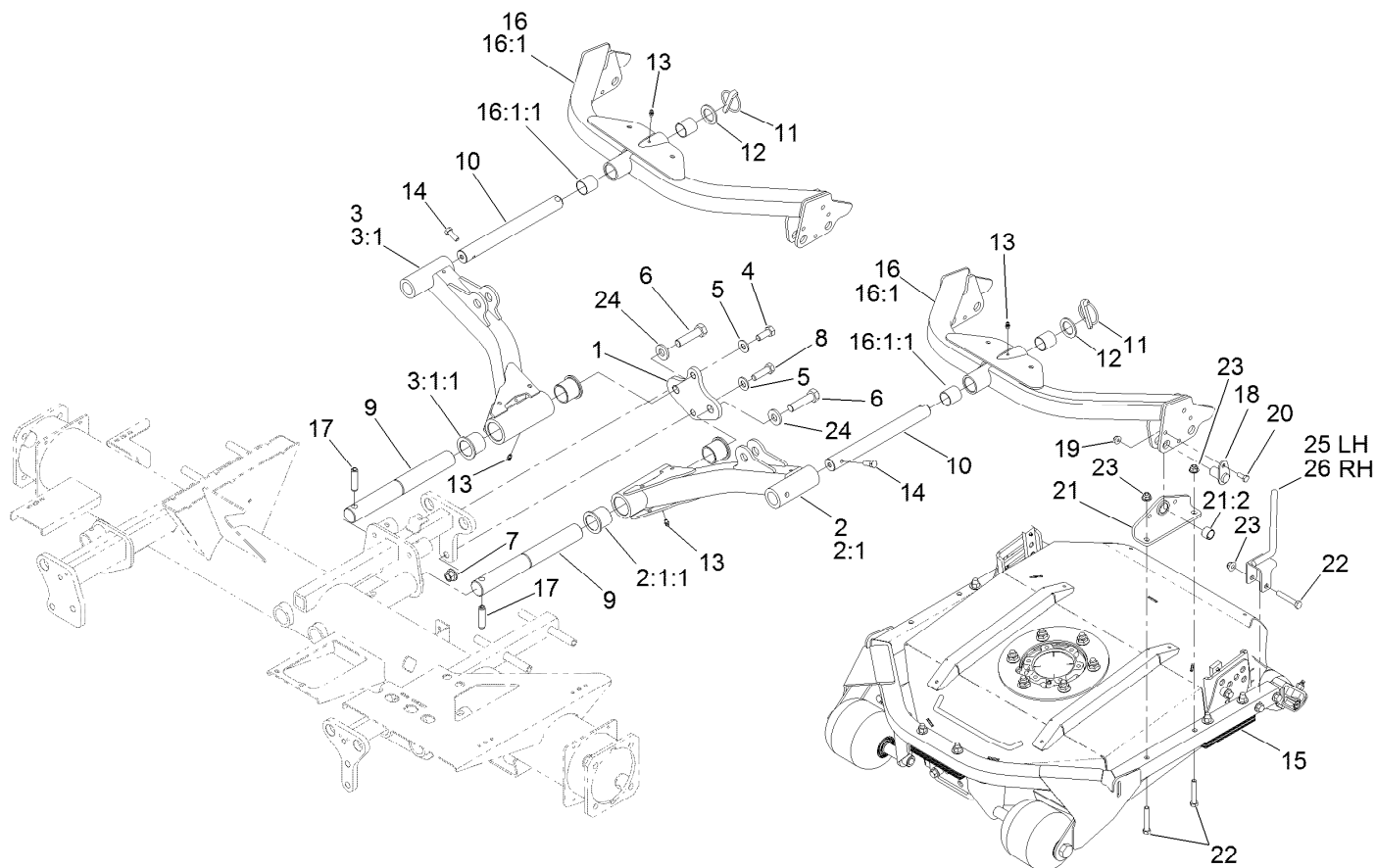


## Front Deck Suspension Assembly (continued)

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 26   | 323-11      | 14   | Screw-HH              |
| 27   | 104-8301    | 14   | Nut-HF, NI            |
| 28   | 99-7667     | 3    | Washer-Flat           |
| 29   | 105-9831-03 | 1    | Bracket-Bumper, No. 1 |

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 30   | 240-14      | 3    | Bumper-Rubber  |
| 31   | 104-7201    | 3    | Nut-HF, NI     |
| 32   | 117-0247-03 | 1    | Guard-Foot, LH |
| 33   | 117-0248-03 | 1    | Guard-Foot, RH |

● Not serviced separately

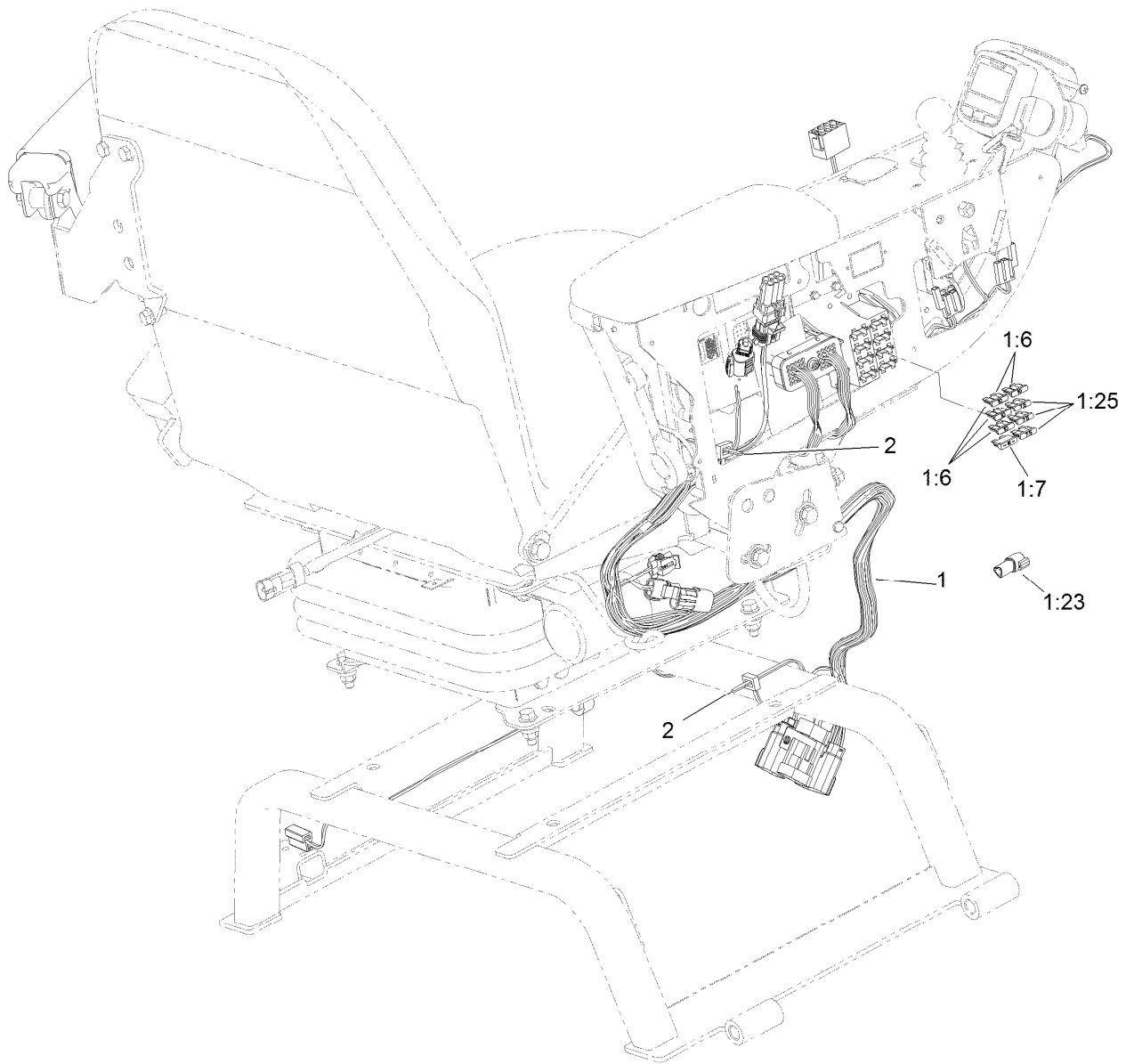


## Rear Deck Suspension Assembly

| Ref.  | Part Number | Qty. | Description               |
|-------|-------------|------|---------------------------|
| 1     | 114-0352-01 | 1    | Plate-Bridge, No. 2 And 3 |
| 2     | 114-0382-03 | 1    | Arm No. 2 ASM             |
| 2:1   |             | 1    | Arm ●                     |
| 2:1:1 | 69-6470     | 2    | Bushing-Caster            |
| 3     | 114-0383-03 | 1    | Arm No. 3 ASM             |
| 3:1   |             | 1    | Arm ●                     |
| 3:1:1 | 69-6470     | 2    | Bushing-Caster            |
| 4     | 325-5       | 1    | Screw-HH                  |
| 5     | 87-7270     | 2    | Washer-Thrust             |
| 6     | 327-7       | 2    | Screw-HH                  |
| 7     | 99-5107     | 1    | Nut-Lock                  |
| 8     | 325-7       | 1    | Screw-HH                  |
| 9     | 117-0208    | 2    | Shaft-Pivot, Liftarm      |
| 10    | 105-7560    | 2    | Shaft-Cu Pivot            |
| 11    | 283-71      | 2    | Pin-Lynch                 |
| 12    | 3-6781      | 2    | Washer-Thrust             |
| 13    | 302-5       | 4    | Fitting-Grease            |

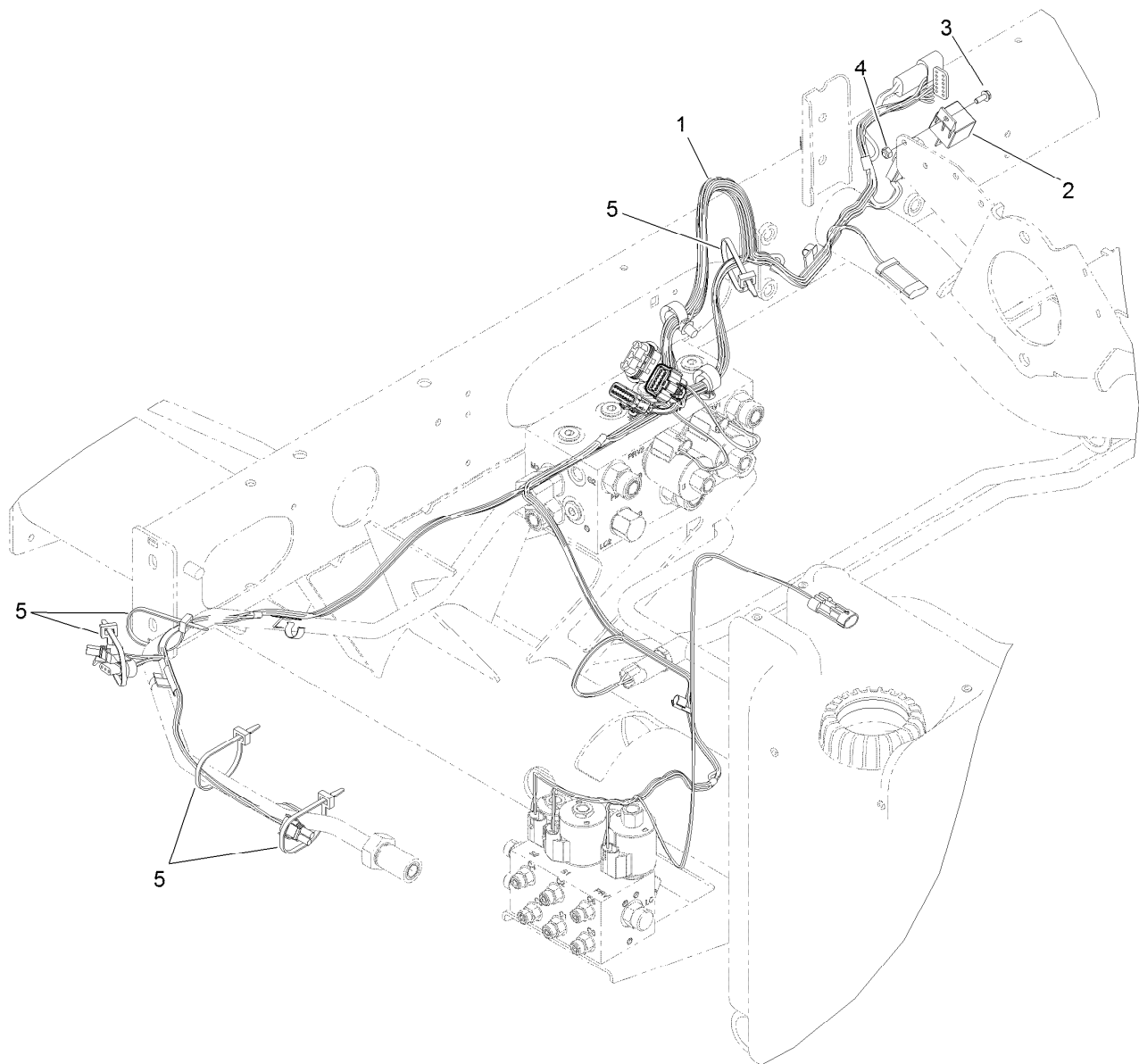
| Ref.   | Part Number | Qty. | Description                   |
|--------|-------------|------|-------------------------------|
| 14     | 323-6       | 2    | Screw-HH                      |
| 15     | 30845       | 2    | 22 Inch Contour Plus Deck ASM |
| 16     | 108-7384-03 | 2    | Carrier Frame ASM             |
| 16:1   |             | 1    | Frame-Carrier ●               |
| 16:1:1 | 108-4000    | 2    | Bushing                       |
| 17     | 32121-122   | 2    | Pin-Roll                      |
| 18     | 117-0132    | 4    | Pin                           |
| 19     | 104-8300    | 4    | Nut-HF, NI                    |
| 20     | 322-3       | 4    | Screw-HH                      |
| 21     | 117-0118    | 4    | Pivot ASM                     |
| 21:2   | 108-8482    | 1    | Bushing-Sleeve                |
| 22     | 323-11      | 10   | Screw-HH                      |
| 23     | 104-8301    | 10   | Nut-HF, NI                    |
| 24     | 99-7667     | 2    | Washer-Flat                   |
| 25     | 117-0247-03 | 1    | Guard-Foot, LH                |
| 26     | 117-0248-03 | 1    | Guard-Foot, RH                |

● Not serviced separately



## Seat and Control Arm Wiring Harness Assembly

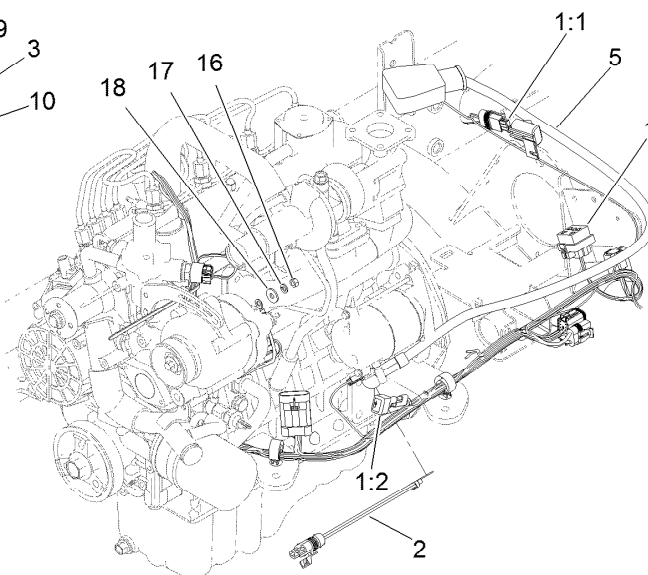
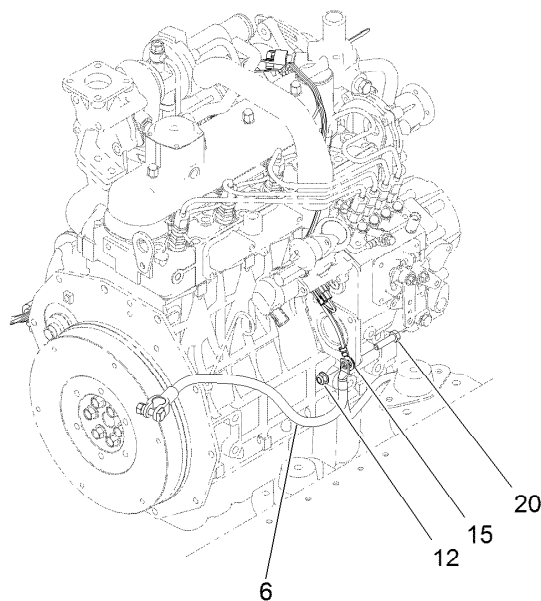
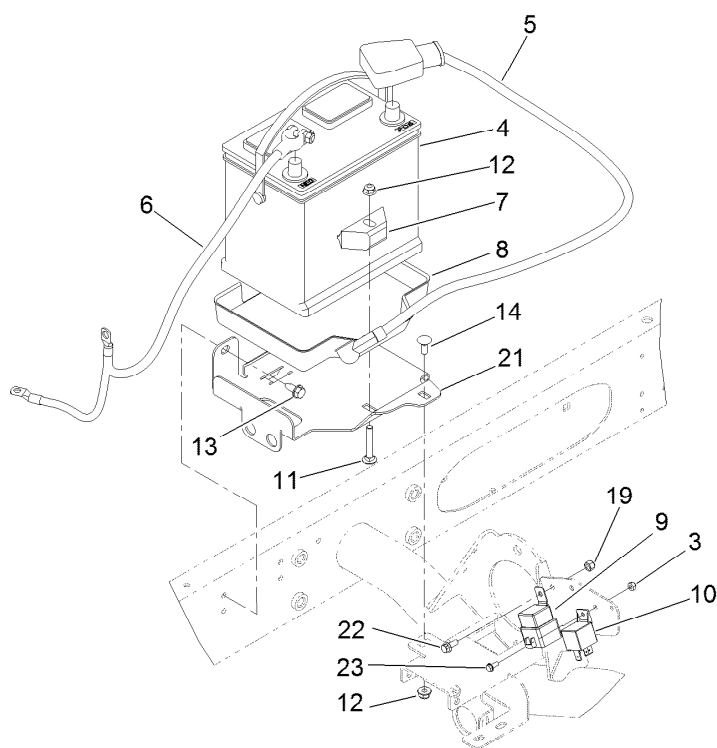
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 115-8081    | 1    | Harness-Wire, Seat  |
| 1:6  | 218-578     | 3    | Fuse-Blade, 10 Amp  |
| 1:7  | 109355      | 1    | Fuse-Blade, 15 Amp  |
| 1:23 | 32180-043   | 1    | Resistor-120 Ohm    |
| 1:25 | 114241      | 3    | Fuse-Blade, 7.5 Amp |
| 2    | 3290-378    | 3    | Tie-Cable           |



## Main Wiring Harness Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 120-6384           | 1           | Harness-Wire, Main |
| 2           | 99-7435            | 1           | Relay              |
| 3           | 3290-321           | 1           | Screw-HWH          |
| 4           | 3296-2             | 1           | Nut-Lock, NI       |
| 5           | 3290-378           | 10          | Tie-Cable          |

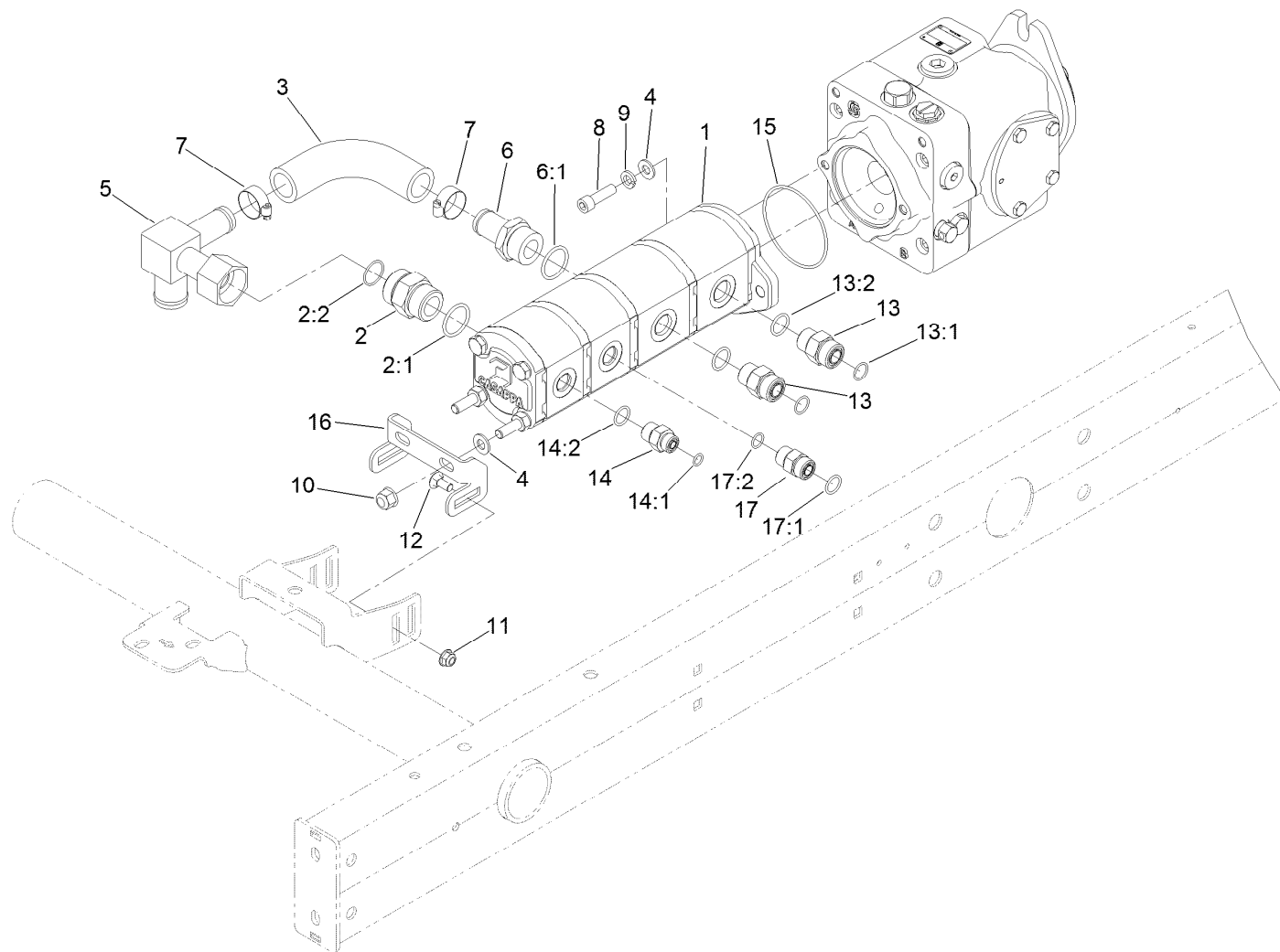




## Electrical Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 120-6346    | 1    | Harness-Wire, Row Engine   |
| 1:1  | 100-4918    | 1    | Diode                      |
| 1:2  | 94-6710     | 1    | Fuse-2 Amp                 |
| 2    | 99-3441     | 1    | Harness-Wire, Fusible Link |
| 3    | 3296-2      | 1    | Nut-Lock, NI               |
| 4    | 104-9979    | 1    | Battery                    |
| 5    | 108-1802    | 1    | Cable-Battery, Positive    |
| 6    | 110-8813    | 1    | Cable-Battery, Negative    |
| 7    | 66-2490     | 1    | Retainer-Battery           |
| 8    | 99-3513     | 1    | Tray-Battery               |
| 9    | 99-7430     | 1    | Relay-Mini                 |
| 10   | 99-7435     | 1    | Relay                      |
| 11   | 3230-6      | 1    | Bolt-CARR                  |

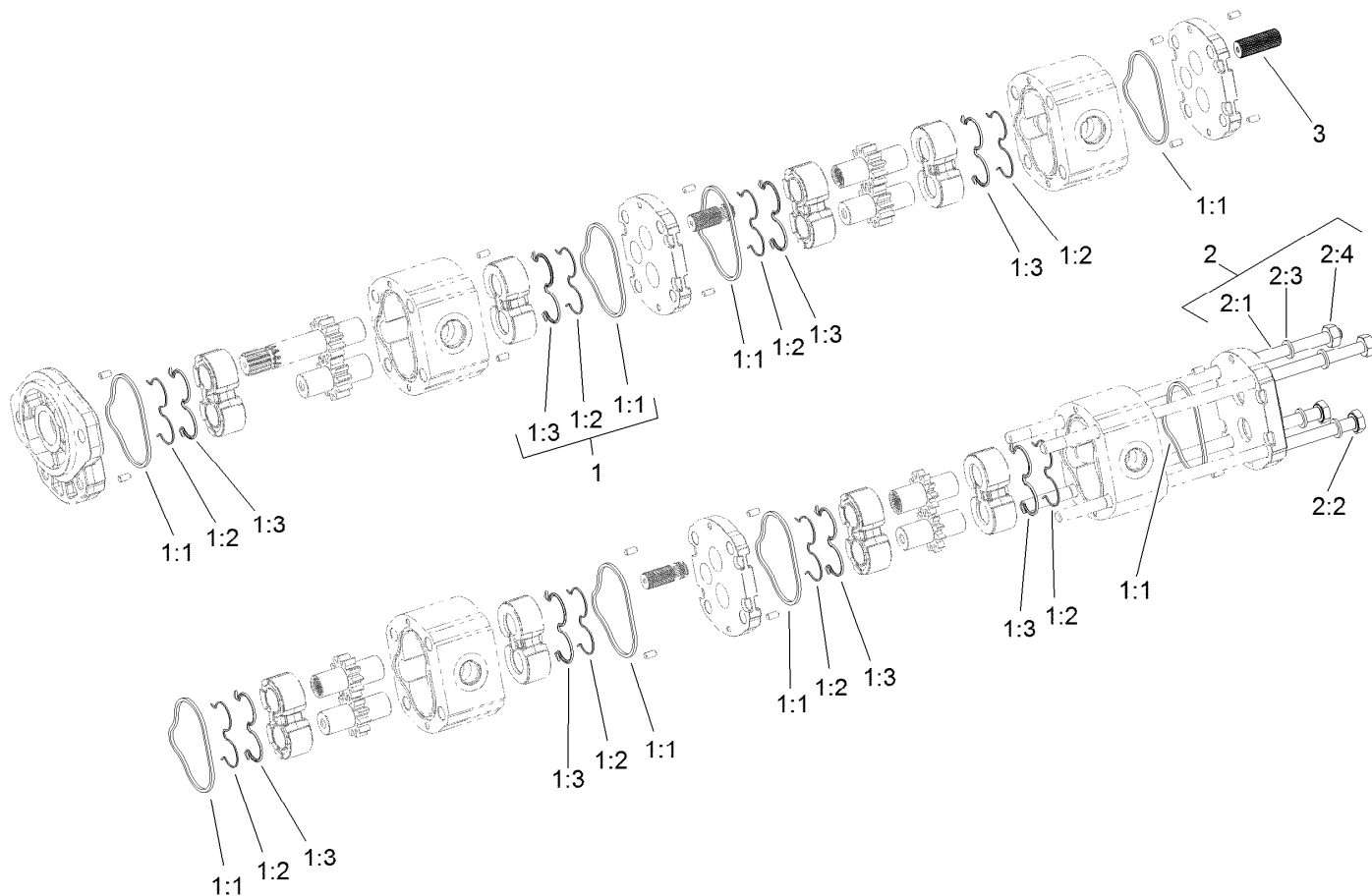
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 12   | 104-8300    | 3    | Nut-HF, NI          |
| 13   | 32104-32    | 2    | Screw-HWH           |
| 14   | 3230-1      | 1    | Bolt-CARR           |
| 15   | 3255-8      | 1    | Washer-Lock         |
| 16   | 48-7890     | 1    | Nut-Hex             |
| 17   | 43-5930     | 1    | Washer-Lock, Spring |
| 18   | 3256-78     | 1    | Washer-Flat         |
| 19   | 3296-42     | 1    | Nut-Lock, NI        |
| 20   | 322-6       | 1    | Screw-HH            |
| 21   | 110-0907-01 | 1    | Bracket-Battery     |
| 22   | 3234-33     | 1    | Screw-HHF           |
| 23   | 3290-321    | 1    | Screw-HWH           |



## Gear Pump Mounting Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 108-4003    | 1    | Gear Pump ASM    |
| 2    | 104-3797    | 1    | Fitting-Straight |
| 2:1  | 237-146     | 1    | O-Ring           |
| 2:2  | 340-65      | 1    | O-Ring           |
| 3    | 108-1683    | 1    | Hose-Formed      |
| 4    | 3256-24     | 4    | Washer-Flat      |
| 5    | 108-1672    | 1    | Manifold-Tube    |
| 6    | 354-78      | 1    | Fitting-STR      |
| 6:1  | 237-146     | 1    | O-Ring           |
| 7    | 2412-34     | 2    | Clamp-Hose       |
| 8    | 3274-1      | 2    | Screw-HSH        |
| 9    | 3253-5      | 2    | Washer-Lock      |
| 10   | 103-9511    | 2    | Nut-Lock, NI     |

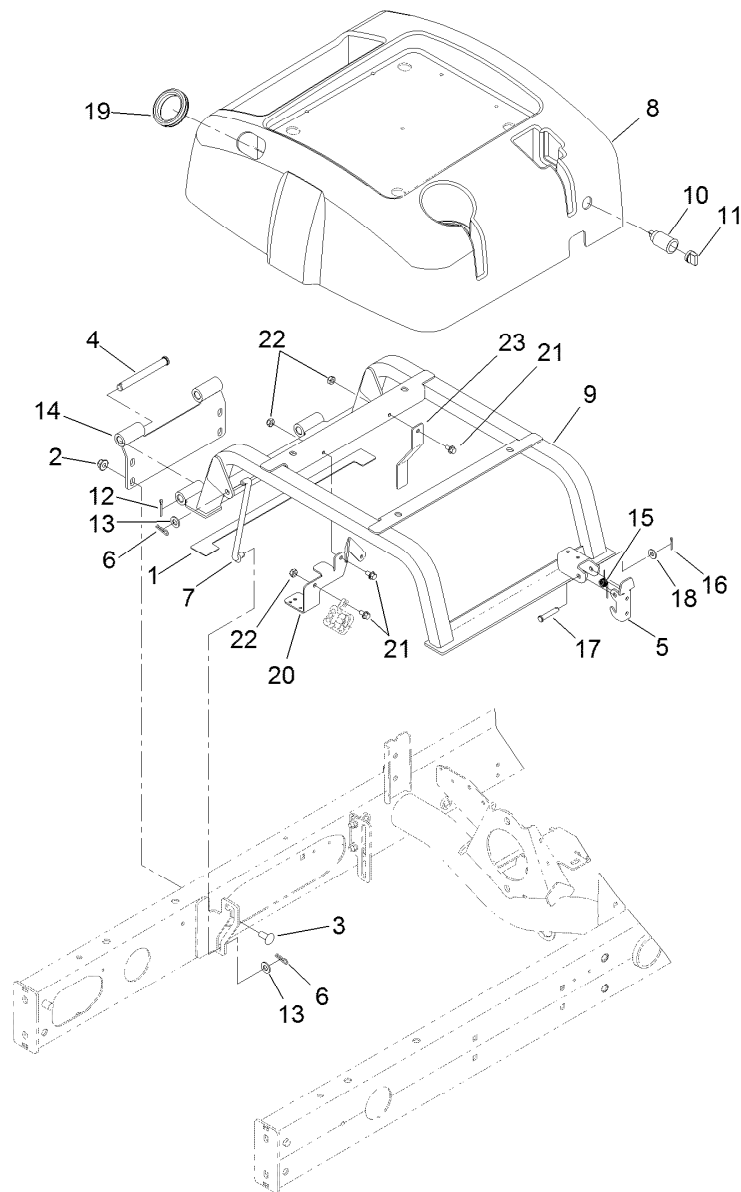
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 11   | 104-8300    | 2    | Nut-HF, NI            |
| 12   | 3230-1      | 2    | Bolt-CARR             |
| 13   | 340-7       | 2    | Fitting-Straight      |
| 13:1 | 237-65      | 1    | O-Ring                |
| 13:2 | 237-80      | 1    | O-Ring                |
| 14   | 340-3       | 1    | Fitting-Straight      |
| 14:1 | 237-22      | 1    | O-Ring                |
| 14:2 | 237-79      | 1    | O-Ring                |
| 15   | 237-161     | 1    | O-Ring                |
| 16   | 108-1801-01 | 1    | Bracket-Support, Pump |
| 17   | 340-4       | 1    | Fitting-Straight      |
| 17:1 | 237-30      | 1    | O-Ring                |
| 17:2 | 237-79      | 1    | O-Ring                |



## Gear Pump Assembly No. 108-4003

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 108-4595    | 1    | Seal Kit       |
| 1:1  |             | 8    | Seal ●         |
| 1:2  |             | 8    | Seal ●         |
| 1:3  |             | 8    | Ring-Back Up ● |
| 2    | 120-6273    | 1    | Bolt Kit       |
| 2:1  |             | 2    | Stud Bolt ●    |
| 2:2  |             | 2    | Screw ●        |
| 2:3  |             | 4    | Washer ●       |
| 2:4  |             | 2    | Nut ●          |
| 3    | 120-6284    | 3    | Hub-Connecting |

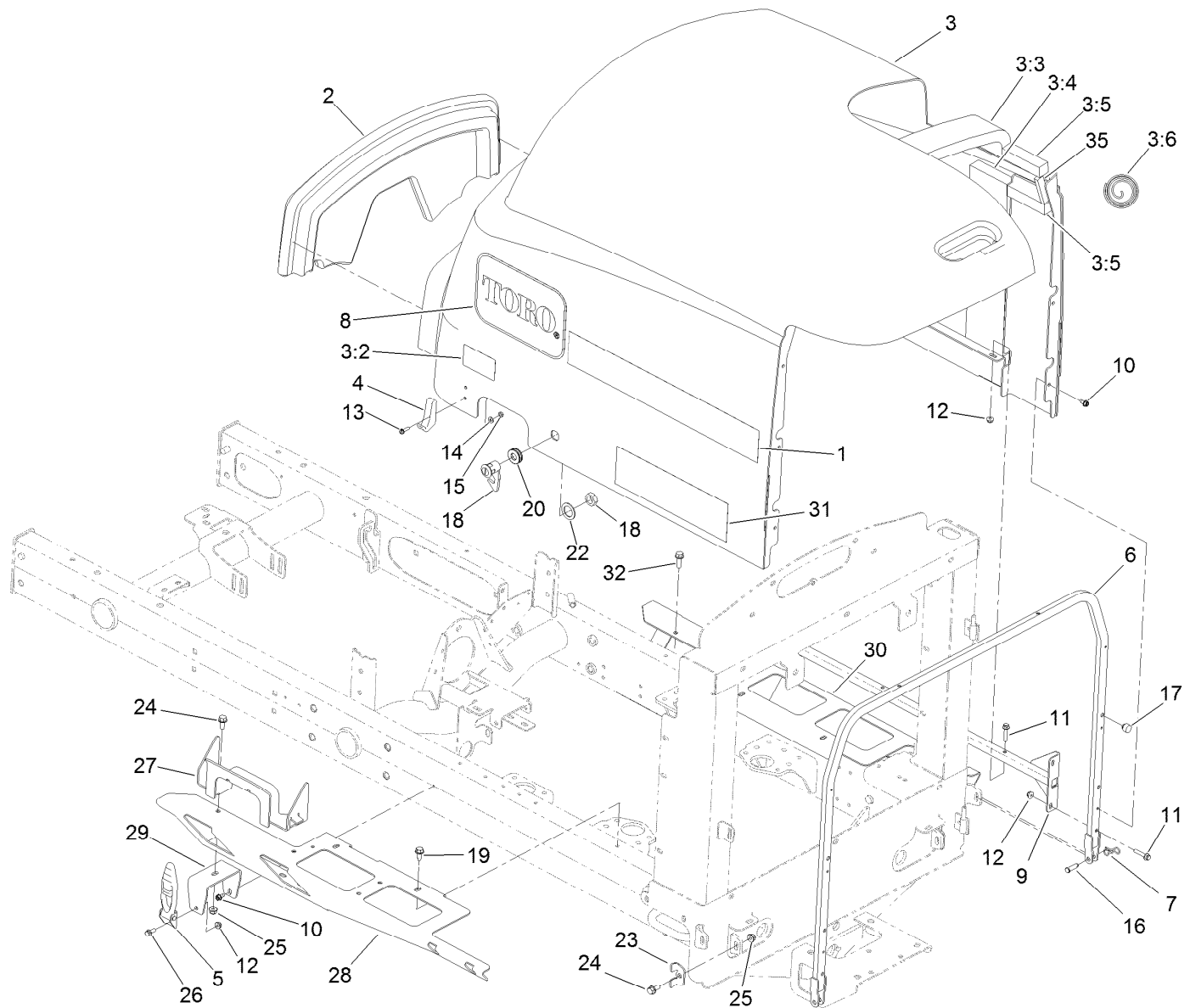
● Not serviced separately



## Seat Base Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 110-5255    | 2    | Bumper-Base, Seat |
| 2    | 104-8301    | 4    | Nut-HF, NI        |
| 3    | 3231-27     | 4    | Screw-CARR        |
| 4    | 283-83      | 2    | Pin-Clevis        |
| 5    | 110-8971    | 1    | Latch             |
| 6    | 3290-307    | 4    | Pin-Cotter        |
| 7    | 98-0917     | 2    | Rod-Prop          |
| 8    | 108-1757    | 1    | Cover-Seatbase    |
| 9    | 108-7577-03 | 1    | Seat Base         |
| 10   | 99-7411     | 1    | Point-Power       |
| 11   | 99-7416     | 1    | Cap               |
| 12   | 3272-11     | 2    | Pin-Cotter        |

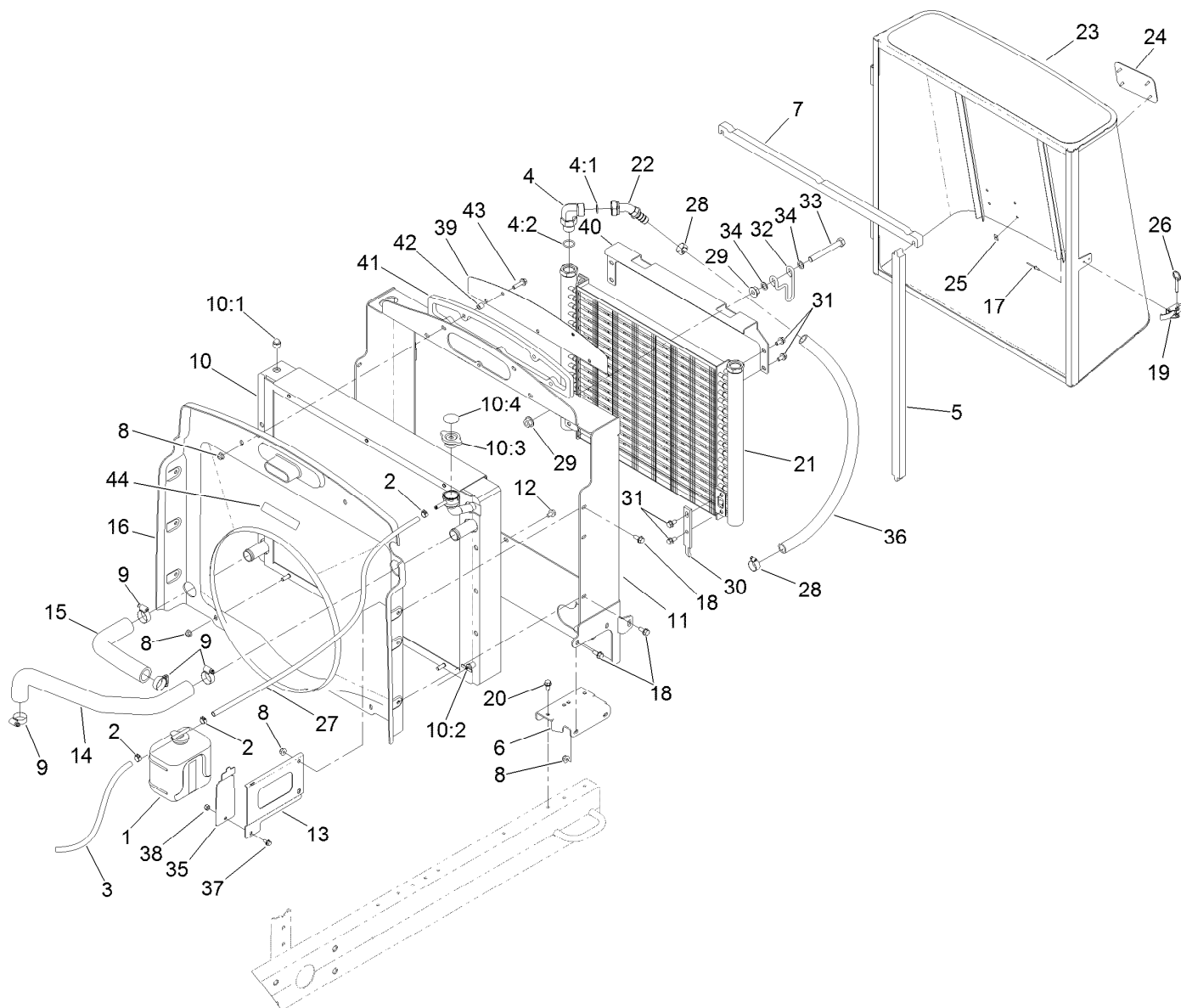
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 13   | 3256-24     | 4    | Washer-Flat                |
| 14   | 108-7582-03 | 1    | Plate-Pivot                |
| 15   | 104-4821    | 1    | Spring-Torsion             |
| 16   | 3272-6      | 1    | Pin-Cotter                 |
| 17   | 94-3829     | 1    | Pin-Clevis                 |
| 18   | 3256-2      | 1    | Washer-Flat                |
| 19   | 240-12      | 1    | Grommet-Rubber             |
| 20   | 119-6973-03 | 1    | Bracket-Harness            |
| 21   | 3234-13     | 3    | Screw-HHF                  |
| 22   | 3296-16     | 3    | Nut-Lock, NI               |
| 23   | 121-5603-03 | 1    | Bracket-Harness, Deflector |



## Hood Assembly

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 1    | 125-2930    | 2    | Decal         |
| 2    | 108-7587    | 1    | Saddle-Hood   |
| 3    | 110-8995    | 1    | Hood ASM      |
| 3:2  | 106-6754    | 1    | Decal-Danger  |
| 3:3  | 110-8948    | 1    | Foam-Hood     |
| 3:4  | 110-8947    | 2    | Foam-Hood     |
| 3:5  | 110-8949    | 4    | Seal-Foam     |
| 3:6  | 110-9002    | 1    | Foil Tape Kit |
| 4    | 103-2897    | 2    | Latch-Catch   |
| 5    | 103-2898    | 2    | Latch-Rubber  |
| 6    | 110-5277-03 | 1    | Frame-Hood    |
| 7    | 105-7512    | 2    | Pin-Tie, Bow  |
| 8    | 66-6140     | 2    | Decal         |
| 9    | 108-1790-03 | 2    | Tube          |
| 10   | 32104-17    | 8    | Screw-HWH     |
| 11   | 3234-21     | 10   | Screw-HHF     |
| 12   | 104-7201    | 12   | Nut-HF, NI    |
| 13   | 32105-13    | 4    | Screw-HWH     |
| 14   | 3256-14     | 4    | Washer-Flat   |

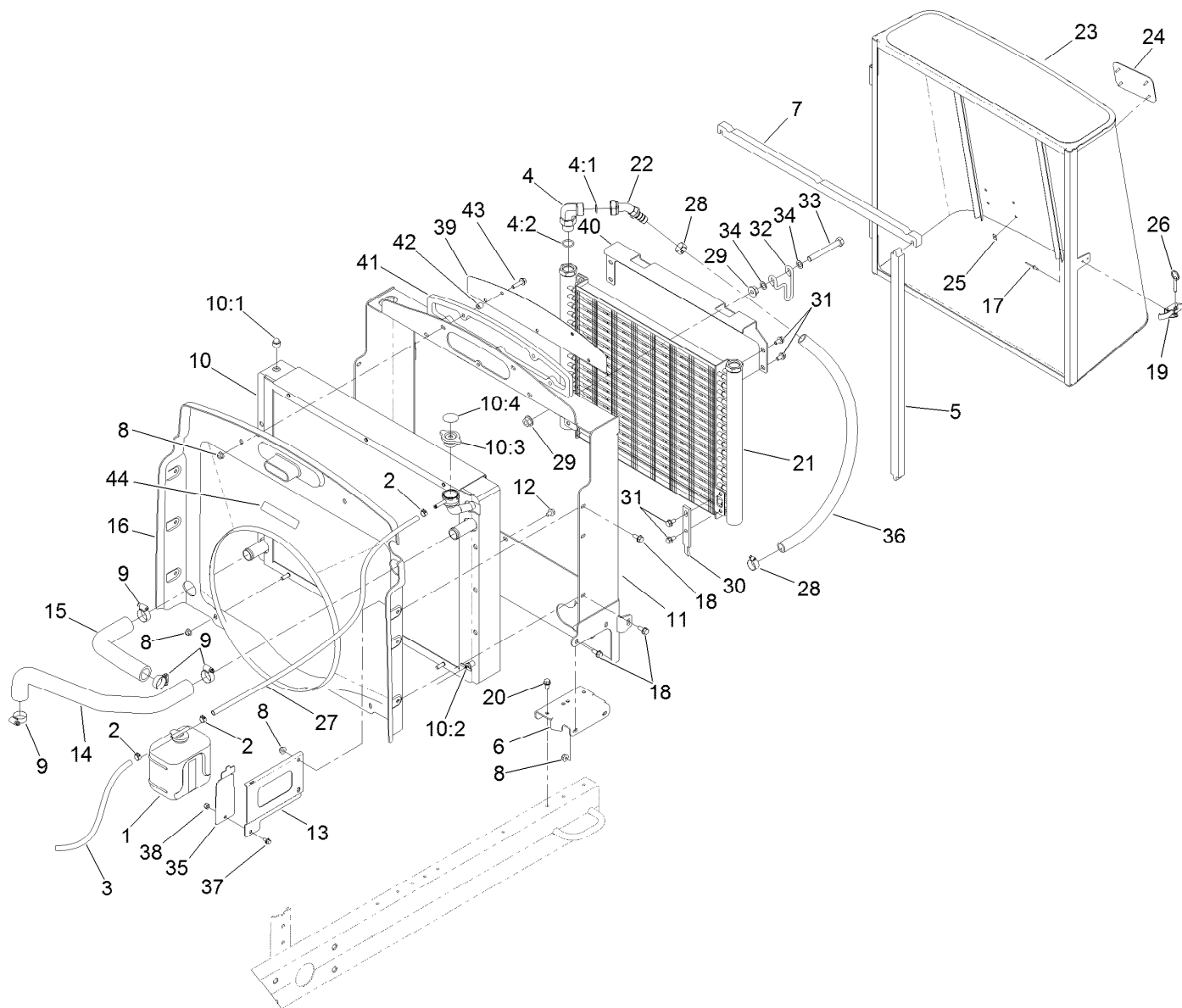
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 15   | 3296-12     | 4    | Nut-Lock, NI          |
| 16   | 283-61      | 2    | Pin-Yoke              |
| 17   | 107-8042    | 2    | Bumper-Rubber         |
| 18   | 98-5398     | 1    | Latch                 |
| 19   | 32104-32    | 6    | Screw-HWH             |
| 20   | 104-1453    | 1    | Grommet               |
| 22   | 99-4958     | 1    | Spacer                |
| 23   | 110-8946    | 2    | Clamp-Frame, Radiator |
| 24   | 3234-5      | 4    | Screw-HHF             |
| 25   | 104-8300    | 6    | Nut-HF, NI            |
| 26   | 3234-33     | 2    | Screw-HHF             |
| 27   | 121-5627-03 | 2    | Guide-Hood            |
| 28   | 110-5253-01 | 1    | Adapter-Hood, LH      |
| 29   | 110-5256-01 | 2    | Bracket-Latch, Hood   |
| 30   | 110-5254-01 | 1    | Adapter-Hood, RH      |
| 31   | 110-8859    | 2    | Decal                 |
| 32   | 3234-17     | 2    | Screw-HHF             |
| 35   | 110-8950    | 2    | Seal-Foam             |



## Radiator Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 108-0638    | 1    | Bottle-Overflow       |
| 2    | 92-2379     | 3    | Clamp-Hose            |
| 3    | 110-3257    | 1    | Hose-Fuel             |
| 4    | 340-142     | 2    | Fitting-Elbow, 90 DEG |
| 4:1  | 237-58      | 1    | O-Ring                |
| 4:2  | 237-81      | 1    | O-Ring                |
| 5    | 110-5275    | 2    | Seal-Foam             |
| 6    | 110-5310-01 | 2    | Bracket-Mounting      |
| 7    | 110-5276    | 2    | Seal-Foam             |
| 8    | 104-8300    | 17   | Nut-HF, NI            |
| 9    | 2412-129    | 4    | Clamp-Hose            |
| 10   | 117-8093    | 1    | Radiator ASM          |
| 10:1 | 281-13      | 1    | Plug-Pipe             |
| 10:2 | 304-46      | 1    | Draincock             |
| 10:3 | 93-5957     | 1    | Cap-Radiator          |
| 10:4 | 106-6755    | 1    | Decal-Cap, Radiator   |
| 11   | 110-5251-03 | 1    | Frame-Radiator        |
| 12   | 3234-30     | 6    | Screw-HHF             |
| 13   | 108-1666-03 | 1    | Bracket-Reservoir     |
| 14   | 110-8942    | 1    | Hose-Formed           |
| 15   | 110-8943    | 1    | Hose-Formed           |

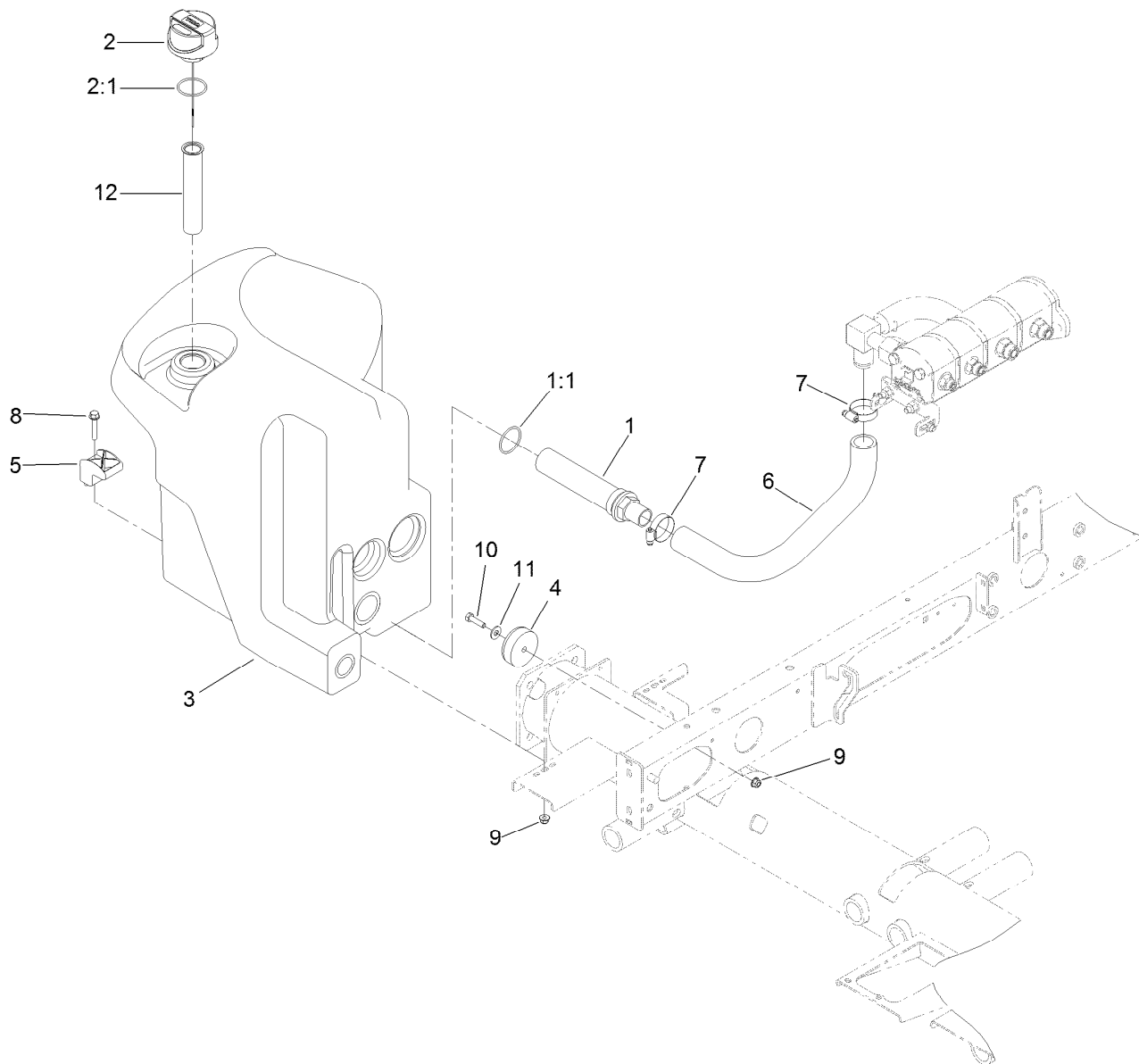
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 16   | 110-5311    | 1    | Shroud-Fan              |
| 17   | 3269-15     | 2    | Rivet-Pop               |
| 18   | 3234-5      | 10   | Screw-HHF               |
| 19   | 115-1554    | 1    | Latch-Draw              |
| 20   | 32104-32    | 6    | Screw-HWH               |
| 21   | 110-0485    | 1    | Cooler-Oil              |
| 22   | 104-7851    | 2    | Fitting-HYD, 45 DEG     |
| 23   | 110-5269-03 | 1    | Screen                  |
| 24   | 93-6028     | 1    | Plate-Logo              |
| 25   | 94-2638     | 4    | Nut-Flat                |
| 26   | 115-1556    | 1    | Pin-Ball, Detent        |
| 27   | 110-4104    | 1    | Hose-Fuel               |
| 28   | 2412-34     | 4    | Clamp-Hose              |
| 29   | 32128-49    | 4    | Nut-HHF                 |
| 30   | 104-5460-03 | 2    | Plate-Mount, Oil Cooler |
| 31   | 3234-14     | 8    | Screw-HHF               |
| 32   | 104-5429    | 2    | Clamp-Form, Wire        |
| 33   | 325-17      | 2    | Screw-HH                |
| 34   | 41-8440     | 4    | Washer                  |
| 35   | 108-1665-03 | 1    | Bracket-Reservoir       |
| 36   | 110-8955    | 2    | Hose                    |



## Radiator Assembly (continued)

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 37   | 3234-13     | 1    | Screw-HHF               |
| 38   | 3296-42     | 1    | Nut-Lock, NI            |
| 39   | 108-1843-03 | 1    | Screen-Intake, Air      |
| 40   | 104-5428    | 1    | Bracket-Oil Cooler, Top |

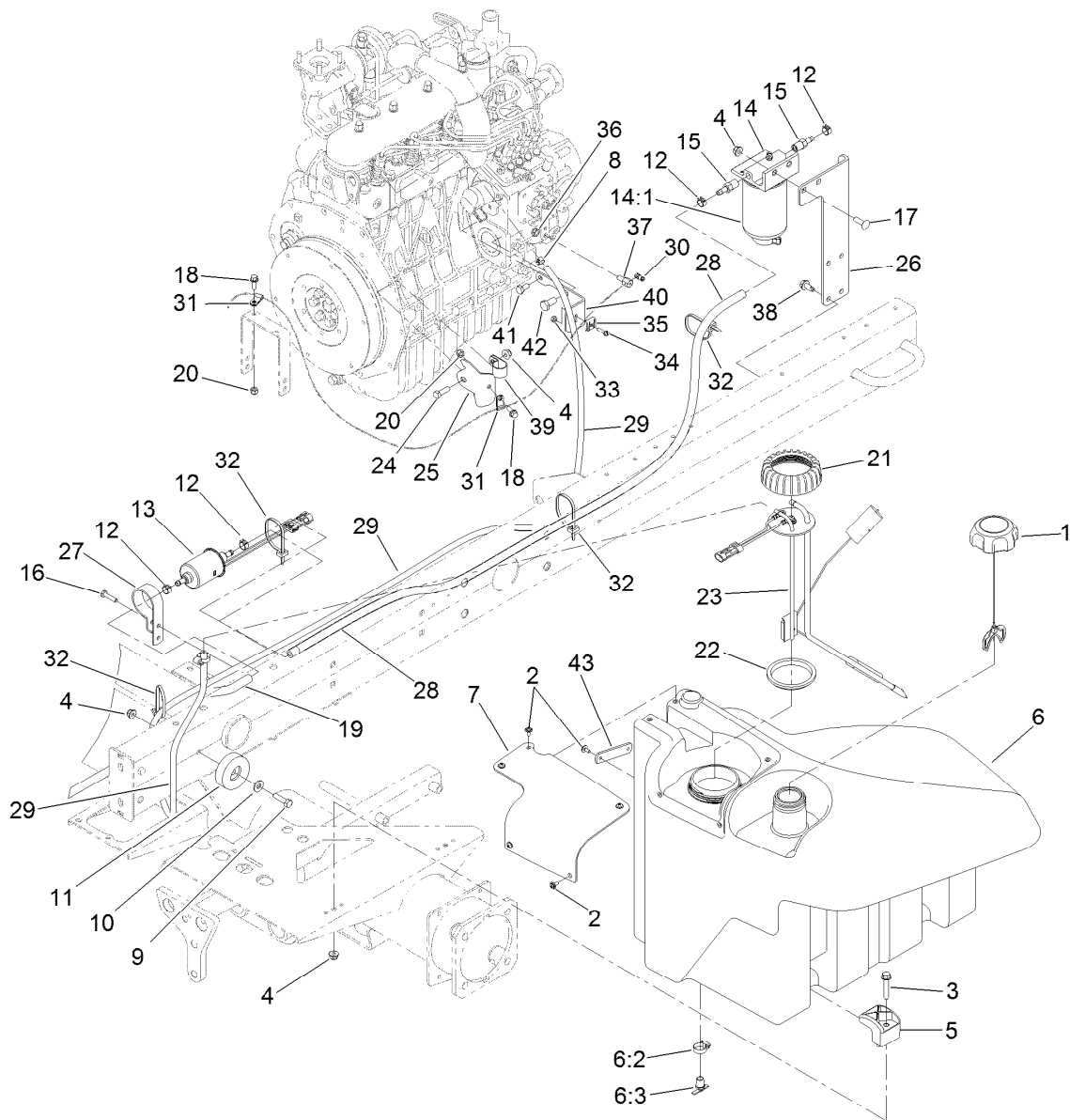
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 41   | 110-5324    | 1    | Seal-Foam     |
| 42   | 1-603903    | 5    | Spacer        |
| 43   | 3234-36     | 5    | Screw-HHF     |
| 44   | 93-7272     | 1    | Decal-Warning |



## Hydraulic Tank Assembly

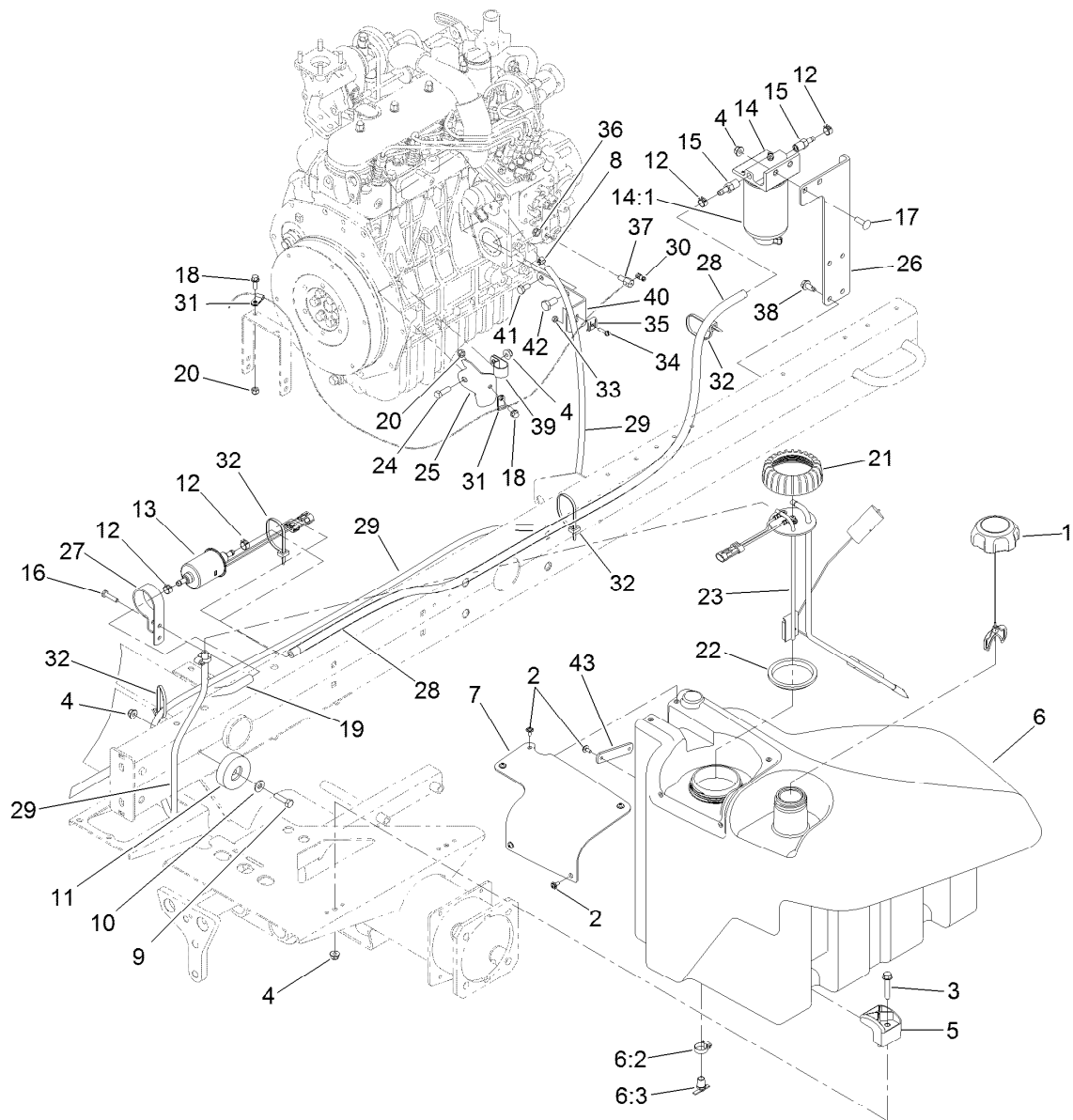
| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 1    | 105-0131    | 1    | Strainer-Tank, Oil             |
| 1:1  | 340-136     | 1    | O-Ring                         |
| 2    | 117-0193    | 1    | Cap-Hydraulic, Vented Breather |
| 2:1  | 237-101     | 1    | O-Ring                         |
| 3    | 121-5587    | 1    | Tank-Hydraulic                 |
| 4    | 108-1605    | 1    | Bumper-Recess                  |
| 5    | 107-4543    | 2    | Clamp                          |
| 6    | 108-1685    | 1    | Hose-Formed                    |
| 7    | 2412-111    | 2    | Clamp-Hose, W/Liner            |
| 8    | 94-5780     | 2    | Screw-HWH                      |
| 9    | 104-8300    | 3    | Nut-HF, NI                     |
| 10   | 322-6       | 1    | Screw-HH                       |
| 11   | 3256-3      | 1    | Washer-Flat                    |
| 12   | 61-2790     | 1    | Filter-Screen                  |





## Fuel System Assembly

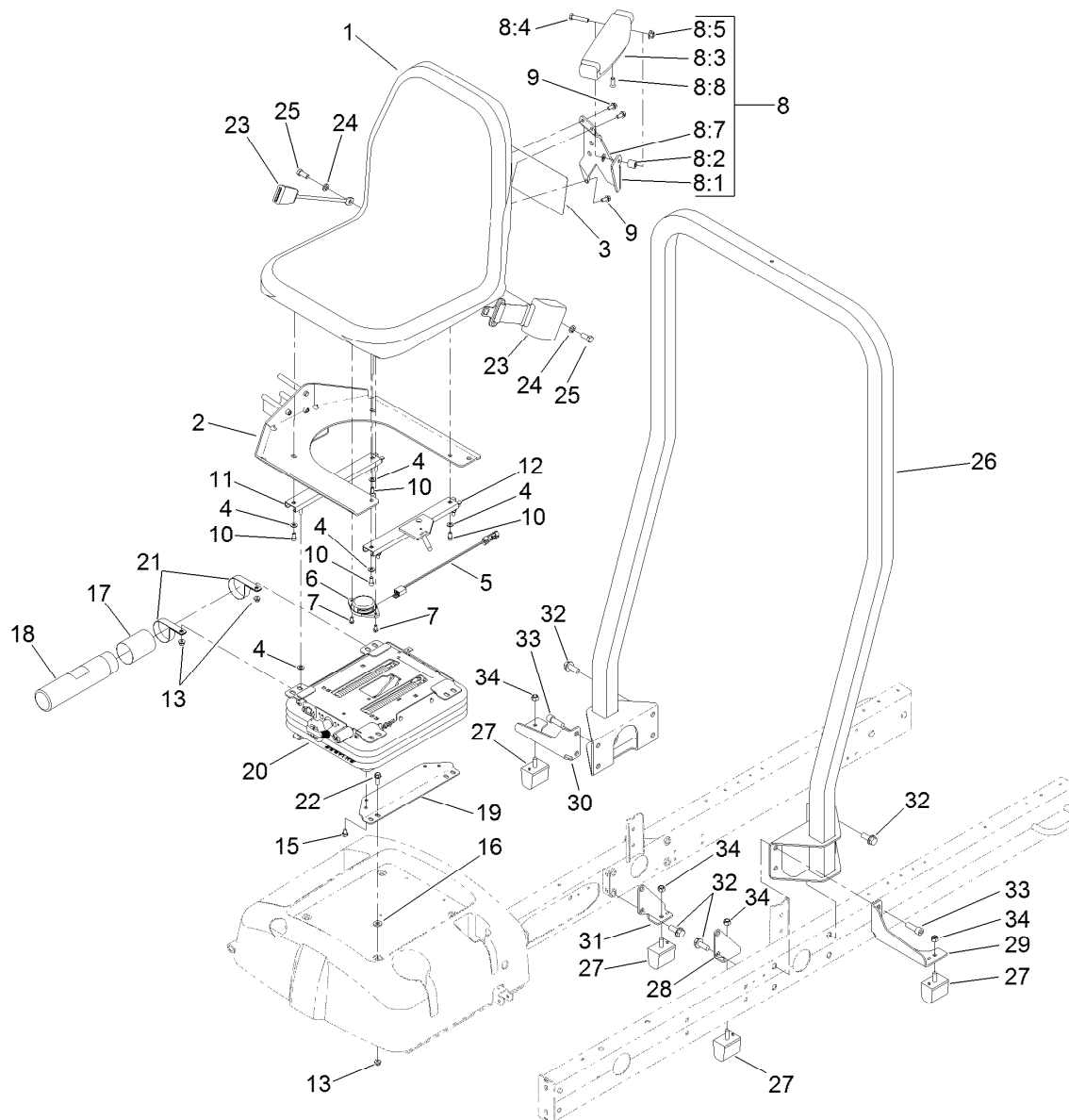
| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description             |
|------|-------------|------|----------------------------|------|-------------|------|-------------------------|
| 1    | 117-5894    | 1    | Fuel Cap ASM               | 19   | 109-0309    | 2    | Hose-Fuel               |
| 2    | 109-2661    | 7    | Screw-PPH                  | 20   | 3296-42     | 2    | Nut-Lock, NI            |
| 3    | 94-5780     | 2    | Screw-HWH                  | 21   | 115-2162    | 1    | Cap-Pump, Fuel          |
| 4    | 104-8300    | 6    | Nut-HF, NI                 | 22   | 115-2163    | 1    | Gasket-Pump, Fuel       |
| 5    | 107-4543    | 2    | Clamp                      | 23   | 121-5642    | 1    | Sender-Fuel             |
| 6    | 125-2907    | 1    | Fuel Tank ASM              | 24   | 322-5       | 1    | Screw-HH                |
| 6:2  | 2412-36     | 1    | Clamp-Hose                 | 25   | 110-9007-03 | 1    | Support-Cable, Throttle |
| 6:3  | 304-46      | 1    | Draincock                  | 26   | 110-8968-01 | 1    | Mount-Separator, Water  |
| 7    | 125-2903    | 1    | Cover-Pump/Sender          | 27   | 110-8817    | 1    | Bracket-Pump, Fuel      |
| 8    | 2412-80     | 2    | Clamp-Hose                 | 28   | 110-3259    | 1    | Hose-Fuel               |
| 9    | 322-6       | 1    | Screw-HH                   | 29   | 117-0298    | 1    | Hose-Fuel               |
| 10   | 3256-3      | 1    | Washer-Flat                | 30   | 112-9919    | 1    | Stop-Cable, Throttle    |
| 11   | 108-1605    | 1    | Bumper-Recess              | 31   | 2412-149    | 2    | Clamp-R                 |
| 12   | 92-2379     | 6    | Clamp-Hose                 | 32   | 3290-378    | 5    | Tie-Cable               |
| 13   | 110-8806    | 1    | Pump-Fuel                  | 33   | 3296-2      | 1    | Nut-Lock, NI            |
| 14   | 110-9044    | 1    | Separator-Filter           | 34   | 32105-13    | 1    | Screw-HWH               |
| 14:1 | 110-9049    | 1    | Filter-Spin On, Fuel/Water | 35   | 81-1690     | 1    | Clamp-Cable             |
| 15   | 353-783     | 2    | Fitting-STR                | 36   | 3296-20     | 1    | Nut-Lock, NI            |
| 16   | 32104-96    | 1    | Screw-HH                   | 37   | 98-9311     | 1    | Swivel-Throttle         |
| 17   | 3230-22     | 2    | Screw-CARR                 | 38   | 32104-32    | 4    | Screw-HWH               |
| 18   | 3234-4      | 2    | Screw-HHF                  | 39   | 2412-41     | 1    | Clamp-R                 |



## Fuel System Assembly (continued)

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 40   | 110-9009-03 | 1    | Bracket-Cable, Throttle |
| 41   | 33114-016   | 1    | Screw-HH                |

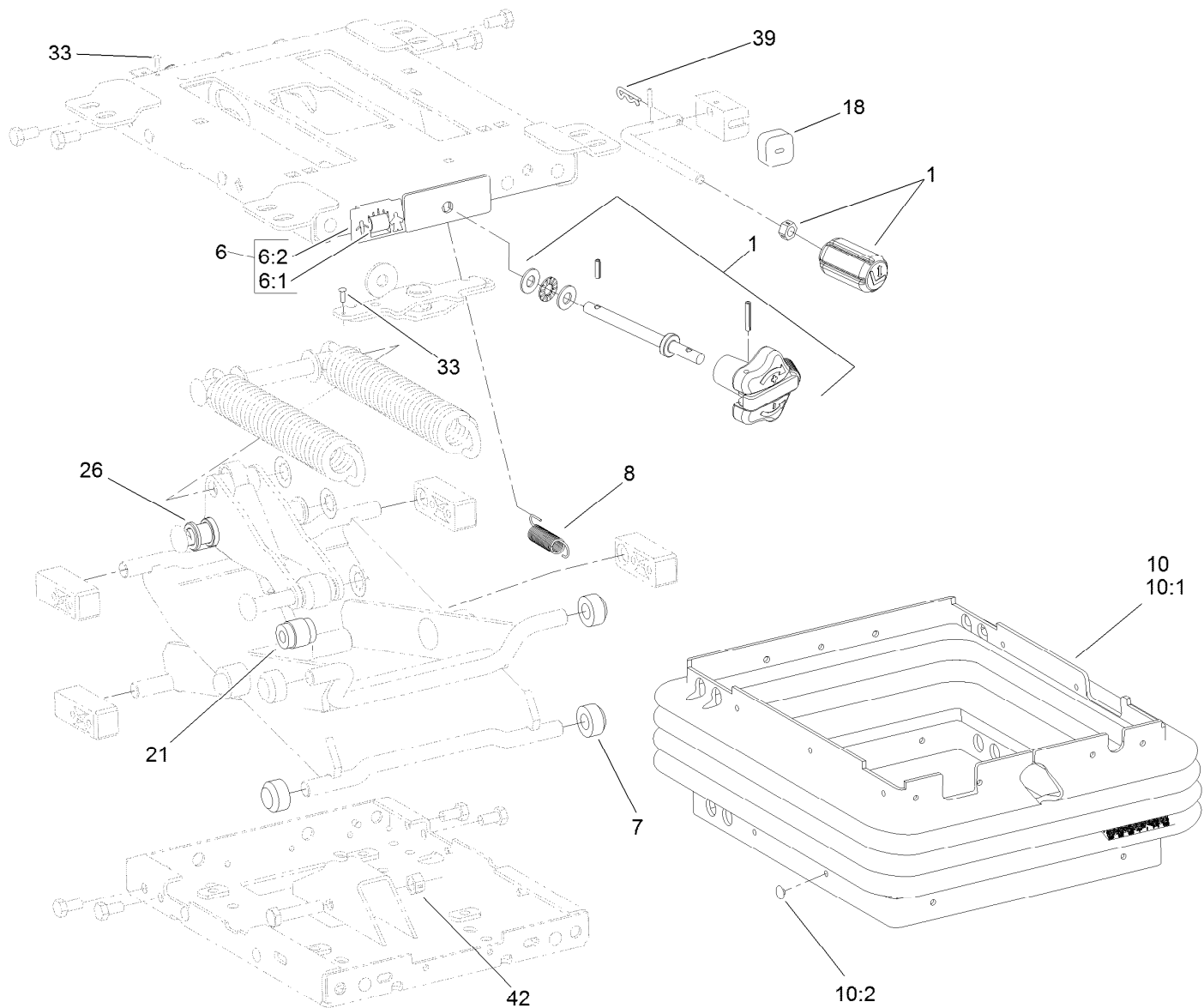
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 42   | 63-7790     | 1    | Screw-Cap   |
| 43   | 125-2945    | 1    | Strap-Cable |



## Seat Mount and Roll-Over Protection System Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 104-4620    | 1    | Seat                       |
| 2    | 125-2900-03 | 1    | Mount-Seat                 |
| 3    | 117-0168    | 1    | Decal-Service              |
| 4    | 3256-23     | 8    | Washer-Plain               |
| 5    | 108-8657    | 1    | Harness-Wire, Seat         |
| 6    | 92-6282     | 1    | Switch-Seat                |
| 7    | 9266714     | 2    | Screw-HWH                  |
| 8    | 92-7307     | 1    | LH Armrest ASM             |
| 8:1  | 69-0760     | 1    | Bracket-Arm, LH            |
| 8:2  | 92-7301     | 1    | Spacer                     |
| 8:3  | 69-1180     | 1    | Armrest                    |
| 8:4  | 323-9       | 1    | Screw-HH                   |
| 8:5  | 32128-19    | 1    | Nut-HF Lock, Large Flg     |
| 8:7  | 3256-24     | 1    | Washer-Flat                |
| 8:8  | 92-7318     | 1    | Screw                      |
| 9    | 3234-14     | 3    | Screw-HHF                  |
| 10   | 3274-12     | 4    | Screw-HSH                  |
| 11   | 92-8990     | 1    | Adjuster-Seat, Non-Locking |
| 12   | 92-8991     | 1    | Adjuster (W/Latch)         |
| 13   | 104-8300    | 8    | Nut-HF, NI                 |
| 15   | 48-7680     | 4    | Screw-HH                   |

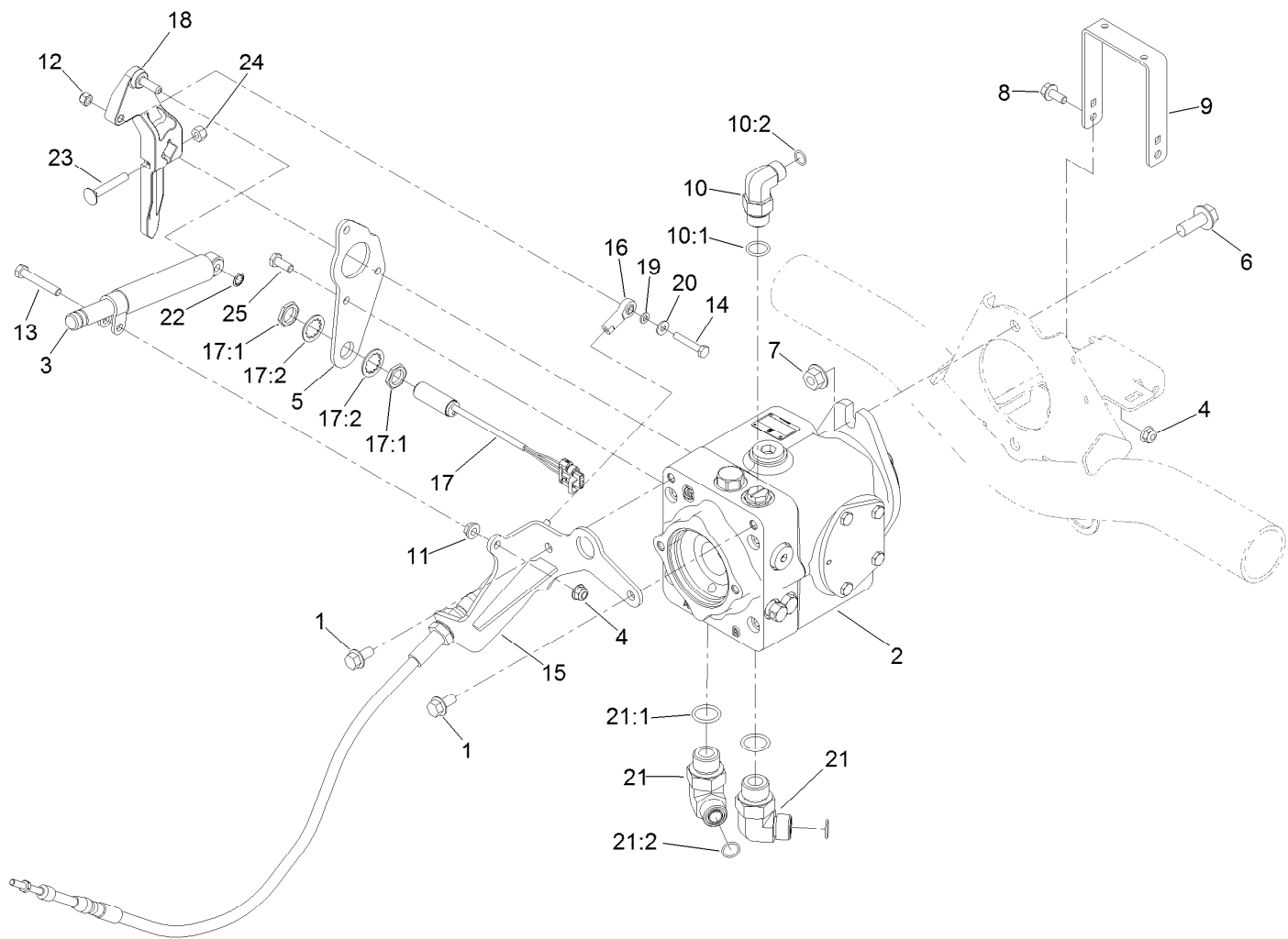
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 16   | 71-9310     | 4    | Spacer                    |
| 17   | 104-7048    | 1    | Cap-Housing               |
| 18   | 104-7050    | 1    | Tube-Manual               |
| 19   | 108-6590-03 | 2    | Bracket-Seat, Lower       |
| 20   | 110-8851    | 1    | Mechanical Suspension ASM |
| 21   | 2412-133    | 2    | Clamp-R                   |
| 22   | 3234-17     | 4    | Screw-HHF                 |
| 23   | 100-4928    | 1    | Belt-Seat                 |
| 24   | 3253-6      | 2    | Washer-Lock               |
| 25   | 3212-4      | 2    | Screw-HH                  |
| 26   | 110-8920    | 1    | ROPS ASM                  |
| 27   | 87-3470     | 4    | Bumper                    |
| 28   | 117-0183-03 | 1    | Bracket-Bumper, LH        |
| 29   | 117-0184-03 | 1    | Bracket-Bumper, LH        |
| 30   | 117-0233-03 | 1    | Bracket-Bumper, RH        |
| 31   | 117-0234-03 | 1    | Bracket-Bumper, RH        |
| 32   | 3234-38     | 8    | Screw-HHF                 |
| 33   | 3274-4      | 4    | Screw-HSH                 |
| 34   | 33025-00    | 4    | Nut-Lock, NI              |



## Mechanical Seat Suspension Assembly No. 110-8851

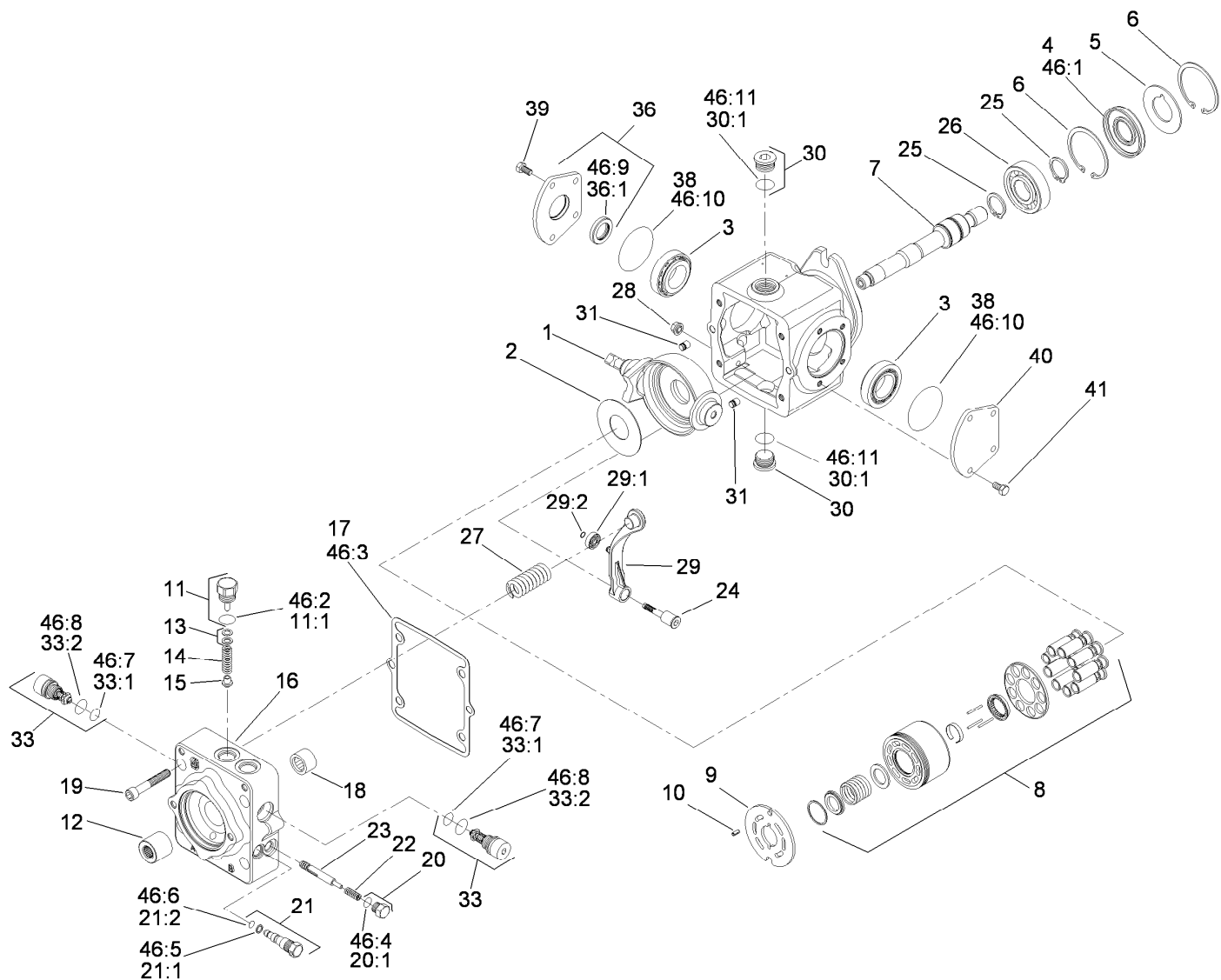
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    | 119-8040    | 1    | Knobs Service Kit            |
| 6    | 108-4584    | 1    | Weight Indicator Service Kit |
| 6:1  |             | 1    | Tape-Weight Adjust ●         |
| 6:2  |             | 1    | Guide-Weight Adjust ●        |
| 7    | 108-9632    | 4    | Roller                       |
| 8    | 108-9633    | 1    | Spring-Extension             |
| 10   | 112-0164    | 1    | Boot Kit                     |
| 10:1 |             | 1    | Boot-Suspension ●            |
| 10:2 | 108-9641    | 21   | Clip-Plug                    |
| 18   | 108-9634    | 1    | Bumper                       |
| 21   | 108-9614    | 1    | Damper                       |
| 26   | 108-9622    | 2    | Tube                         |
| 33   | 3290-54     | 2    | Rivet-Blind                  |
| 39   | 3272-9      | 1    | Pin-Cotter                   |
| 42   | 32152-2     | 1    | Nut-Lock, Cone               |

● Not serviced separately



## Traction Pump Assembly

| Ref. | Part Number | Qty. | Description                    | Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|--------------------------------|------|-------------|------|-----------------------------|
| 1    | 3234-1      | 2    | Screw-HHF                      | 14   | 321-9       | 1    | Screw-HH                    |
| 2    | 119-6972    | 1    | Variable Hydraulic Pump<br>ASM | 15   | 110-5323-03 | 1    | Bracket                     |
| 3    | 76-8870     | 1    | Damper-Lever                   | 16   | 2411-41     | 1    | Rod End-Ball Joint          |
| 4    | 104-8300    | 3    | Nut-HF, NI                     | 17   | 115-5300    | 1    | Proximity Switch ASM        |
| 5    | 119-6971-03 | 1    | Plate-Pump                     | 17:1 | 117-3207    | 2    | Nut-Hex                     |
| 6    | 3234-38     | 2    | Screw-HHF                      | 17:2 | 117-3208    | 2    | Washer-Lock, Internal Tooth |
| 7    | 32128-49    | 2    | Nut-HHF                        | 18   | 117-0265    | 1    | Lever-Pump                  |
| 8    | 3234-5      | 2    | Screw-HHF                      | 19   | 33093-00    | 1    | Washer-Flat                 |
| 9    | 108-1799-03 | 1    | Hoop-Guard                     | 20   | 3256-22     | 1    | Washer-Flat                 |
| 10   | 340-105     | 1    | Fitting-Elbow, 90 DEG          | 21   | 340-139     | 2    | Fitting-Elbow 90            |
| 10:1 | 237-80      | 1    | O-Ring                         | 21:1 | 237-81      | 1    | O-Ring                      |
| 10:2 | 237-30      | 1    | O-Ring                         | 21:2 | 237-65      | 1    | O-Ring                      |
| 11   | 32128-20    | 1    | Nut-HF                         | 22   | 32151-72    | 1    | Ring-Retaining              |
| 12   | 3296-42     | 1    | Nut-Lock, NI                   | 23   | 3230-6      | 1    | Bolt-CARR                   |
| 13   | 322-10      | 1    | Screw-HH                       | 24   | 3296-29     | 1    | Nut-Lock, NI                |
|      |             |      |                                | 25   | 33114-020   | 3    | Screw-HH                    |



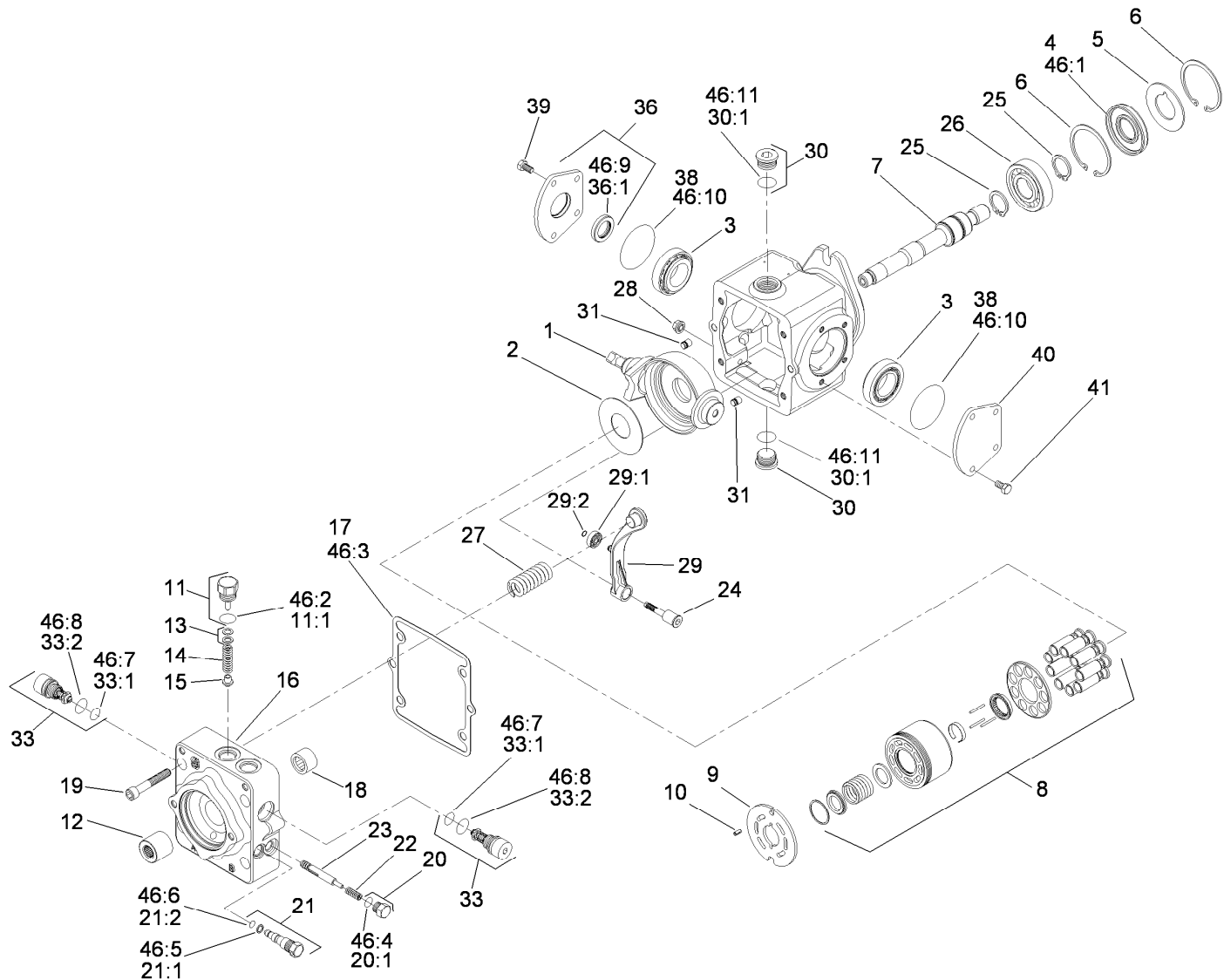
## Hydraulic Pump Assembly No. 119-6972

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 115-8092    | 1    | Swashplate              |
| 2    | 75-0400     | 1    | Plate-Thrust            |
| 3    | 110-6483    | 2    | Bearing Kit             |
| 4    | 110-6471    | 1    | Seal-Lip                |
| 5    | 95-4400     | 1    | Washer-Backup           |
| 6    | 69-3200     | 2    | Ring-Retaining          |
| 7    | 110-6484    | 1    | Shaft-Auxiliary         |
| 8    | 110-6472    | 1    | Cylinder Block Kit ASM  |
| 9    | 110-6473    | 1    | Plate-Valve (Clockwise) |
| 10   | 110-6485    | 1    | Pin-Slotted             |
| 11   | 110-6486    | 1    | Plug-Relief, Charge     |
| 11:1 | 28-3570     | 1    | O-Ring                  |
| 12   | 110-6480    | 1    | Coupling                |
| 13   | 92-1353     | 1    | Shim Kit                |
| 14   | 110-6474    | 1    | Spring                  |
| 15   | 110-6475    | 1    | Poppet                  |
| 16   | 115-8087    | 1    | Cap-End                 |
| 17   | 110-6476    | 1    | Gasket-Cap, End         |

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 18   | 75-0500     | 1    | Bearing-Needle         |
| 19   | 110-6489    | 4    | Screw                  |
| 20   | 94-9415     | 2    | Plug ASM               |
| 20:1 |             | 1    | O-Ring ■               |
| 21   | 107-4364    | 1    | Bypass Valve ASM       |
| 21:1 | 25-2630     | 1    | Ring-Back Up           |
| 21:2 | 110-6498    | 1    | O-Ring                 |
| 22   | 110-6491    | 2    | Spring                 |
| 23   | 110-6492    | 1    | Spool-Loop, Flush      |
| 24   | 110-6493    | 1    | Pivot-Return, Neutral  |
| 25   | 69-3170     | 2    | Ring-Retaining         |
| 26   | 75-0460     | 1    | Bearing-Ball           |
| 27   | 115-8085    | 1    | Spring-Neutral Return  |
| 28   | 110-6496    | 1    | Nut-Seal               |
| 29   | 110-6497    | 1    | Neutral Return Arm ASM |
| 29:1 | 110-6494    | 1    | Bearing-Cam            |
| 29:2 | 110-3056    | 1    | Ring-Retaining         |
| 30   | 69-3130     | 2    | Plug                   |

● Not illustrated

■ Not serviced separately



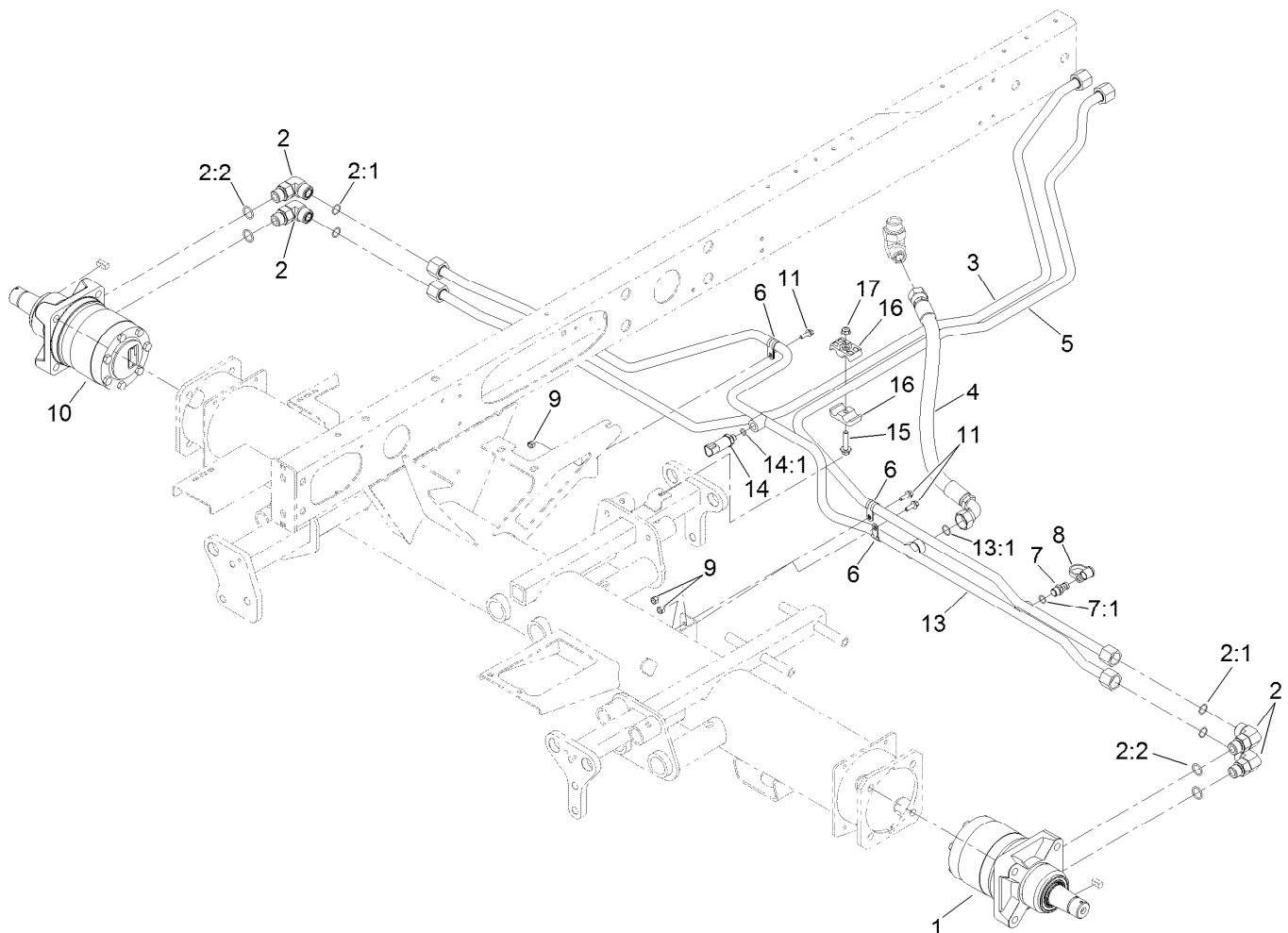
## Hydraulic Pump Assembly No. 119-6972 (continued)

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 30:1 |             | 1    | O-Ring ■           |
| 31   | 112-0158    | 2    | Pin                |
| 33   | 110-6477    | 2    | Valve-Relief       |
| 33:1 | 75-0240     | 1    | O-Ring             |
| 33:2 | 84-0560     | 1    | O-Ring             |
| 36   | 110-6499    | 1    | Trunnion Cover ASM |
| 36:1 | 110-6478    | 1    | Seal-Lip           |
| 38   | 84-0430     | 2    | O-Ring             |
| 39   | 112-0150    | 4    | Screw              |
| 40   | 84-0440     | 1    | Cover-Trunnion     |
| 41   | 112-0151    | 4    | Screw              |
| 46   | 110-6481    | 1    | Seal Kit ●         |

| Ref.  | Part Number | Qty. | Description     |
|-------|-------------|------|-----------------|
| 46:1  | 110-6471    | 1    | Seal-Lip        |
| 46:2  | 28-3570     | 1    | O-Ring          |
| 46:3  | 110-6476    | 1    | Gasket-Cap, End |
| 46:4  |             | 1    | O-Ring ■        |
| 46:5  | 25-2630     | 1    | Ring-Back Up    |
| 46:6  | 110-6498    | 1    | O-Ring          |
| 46:7  | 75-0240     | 2    | O-Ring          |
| 46:8  | 84-0560     | 2    | O-Ring          |
| 46:9  | 110-6478    | 1    | Seal-Lip        |
| 46:10 | 84-0430     | 2    | O-Ring          |
| 46:11 |             | 2    | O-Ring ■        |

● Not illustrated

■ Not serviced separately

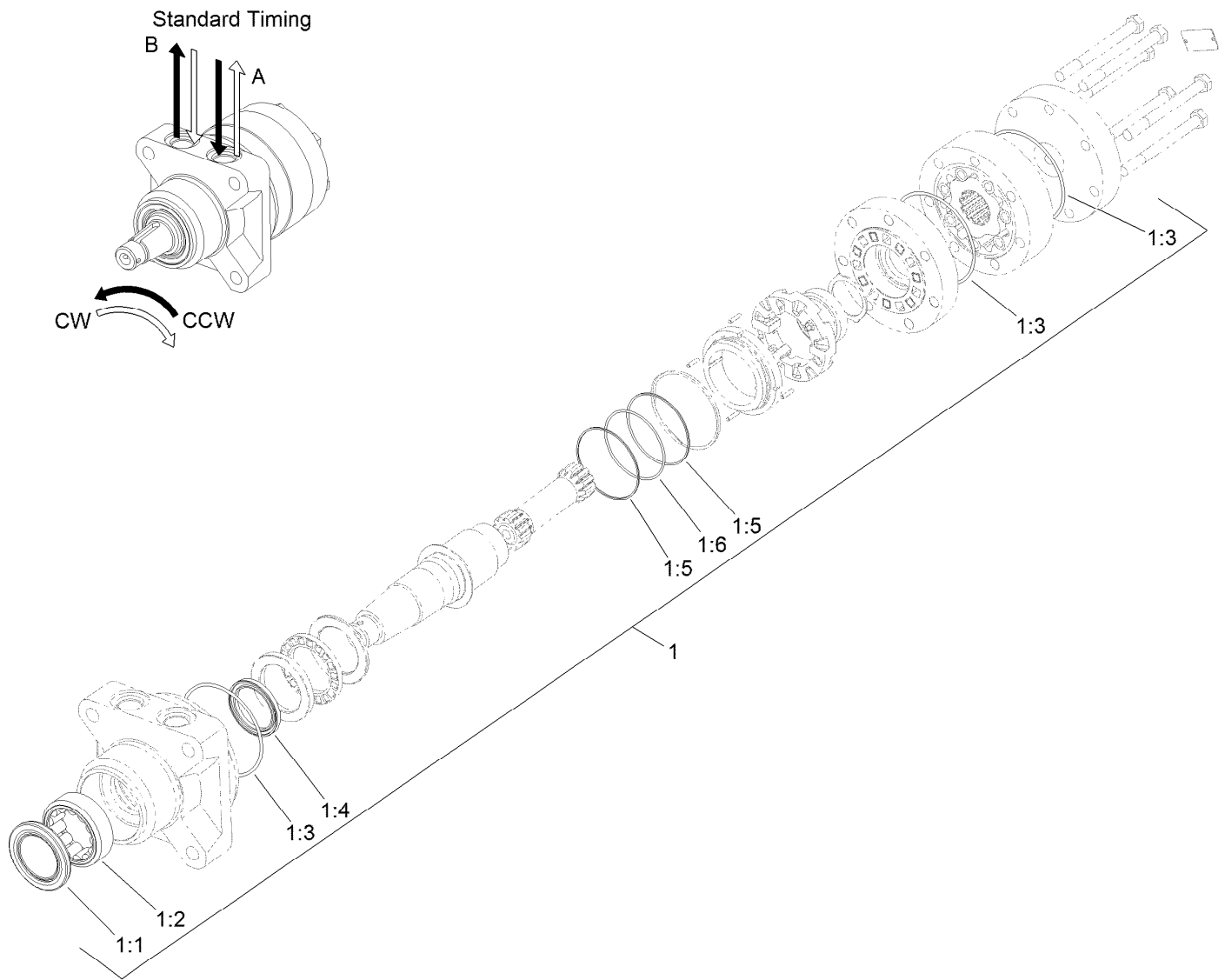


## Front Traction Hydraulic Circuit

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 120-6264    | 1    | Hydraulic Motor ASM (CCW) |
| 2    | 340-17      | 4    | Fitting-Elbow, 90 DEG     |
| 2:1  | 237-65      | 1    | O-Ring                    |
| 2:2  | 237-80      | 1    | O-Ring                    |
| 3    | 114-0425    | 1    | Hydraulic Tube ASM        |
| 4    | 108-1679    | 1    | Hose-HYD                  |
| 5    | 114-0424    | 1    | Hydraulic Tube ASM        |
| 6    | 2412-134    | 3    | Clamp-R                   |
| 7    | 59-7410     | 1    | Fitting-Diagnostic        |
| 7:1  | 237-42      | 1    | O-Ring                    |
| 8    | 354-79      | 1    | Cap-Dust                  |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 9    | 3296-42     | 3    | Nut-Lock, NI             |
| 10   | 120-6265    | 1    | Hydraulic Motor ASM (CW) |
| 11   | 3234-4      | 3    | Screw-HHF                |
| 13   | 114-0389    | 1    | Hydraulic Tube ASM       |
| 13:1 | 237-65      | 1    | O-Ring                   |
| 14   | 119-0011    | 1    | Pressure Transducer ASM  |
| 14:1 | 237-78      | 1    | O-Ring                   |
| 15   | 115-1794    | 1    | Screw-HHF                |
| 16   | 56-7971     | 2    | Clamp-Tube               |
| 17   | 104-8300    | 1    | Nut-HF, NI               |

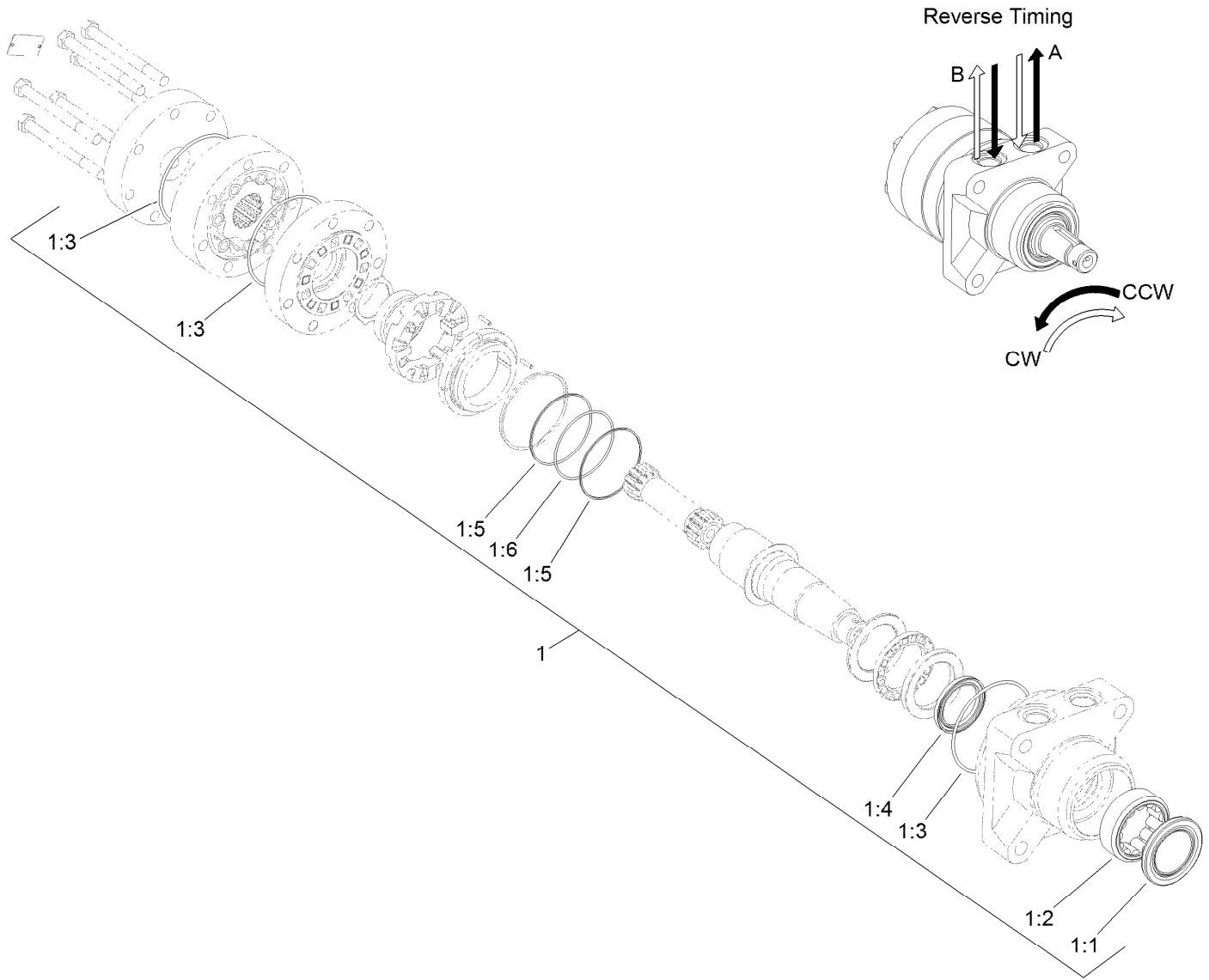




## Hydraulic Motor Assembly No. 120-6264 (CCW)

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 120-6268    | 1    | Seal Kit        |
| 1:1  |             | 1    | Seal-Grease ●   |
| 1:2  |             | 1    | Shell-Bearing ● |
| 1:3  |             | 3    | O-Ring ●        |
| 1:4  |             | 1    | Seal-Shaft ●    |
| 1:5  |             | 2    | Ring-Back Up ●  |
| 1:6  |             | 1    | O-Ring ●        |

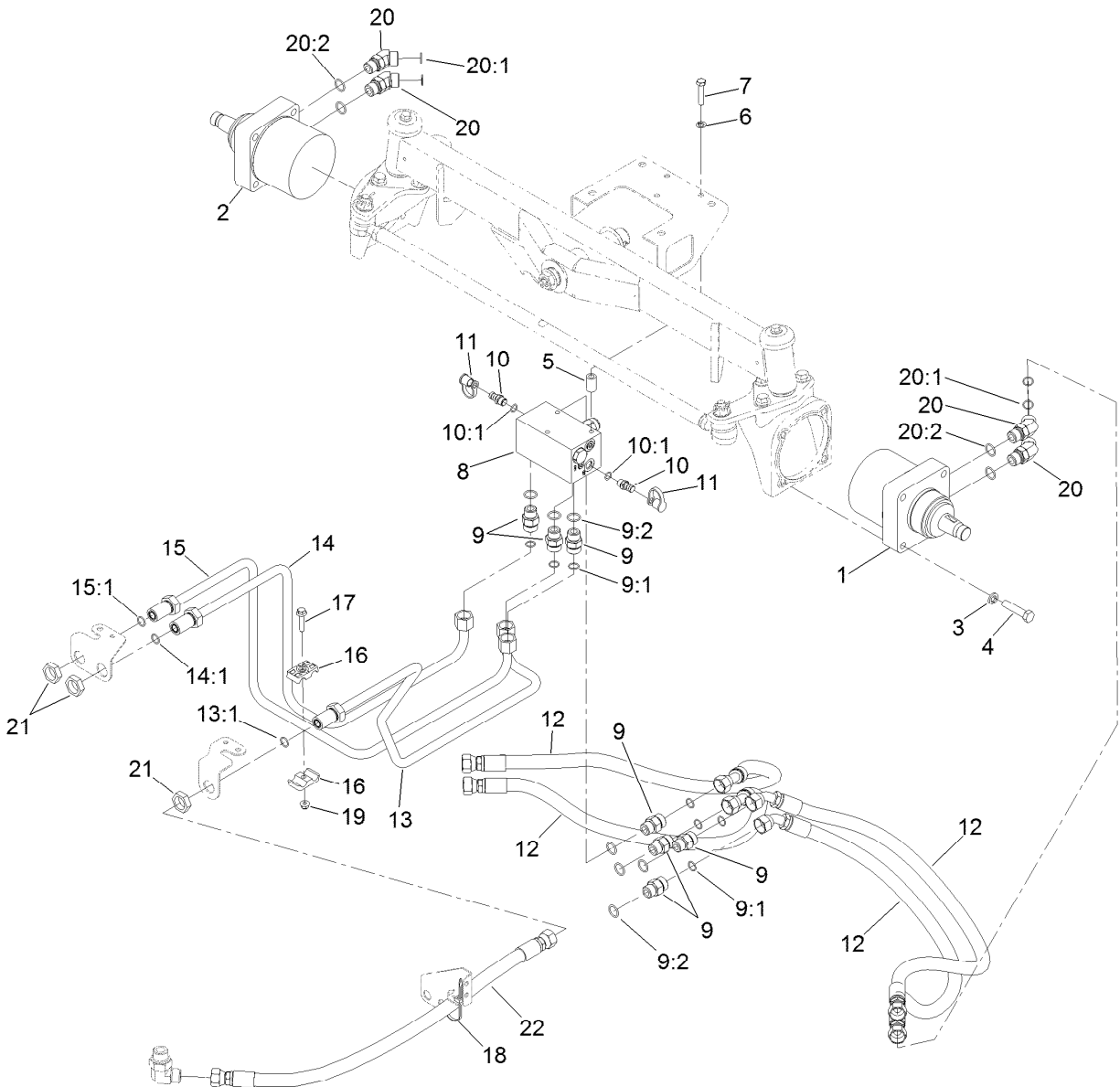
● Not serviced separately



## Hydraulic Motor Assembly No. 120-6265 (CW)

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 120-6268    | 1    | Seal Kit        |
| 1:1  |             | 1    | Seal-Grease ●   |
| 1:2  |             | 1    | Shell-Bearing ● |
| 1:3  |             | 3    | O-Ring ●        |
| 1:4  |             | 1    | Seal-Shaft ●    |
| 1:5  |             | 2    | Ring-Back Up ●  |
| 1:6  |             | 1    | O-Ring ●        |

● Not serviced separately

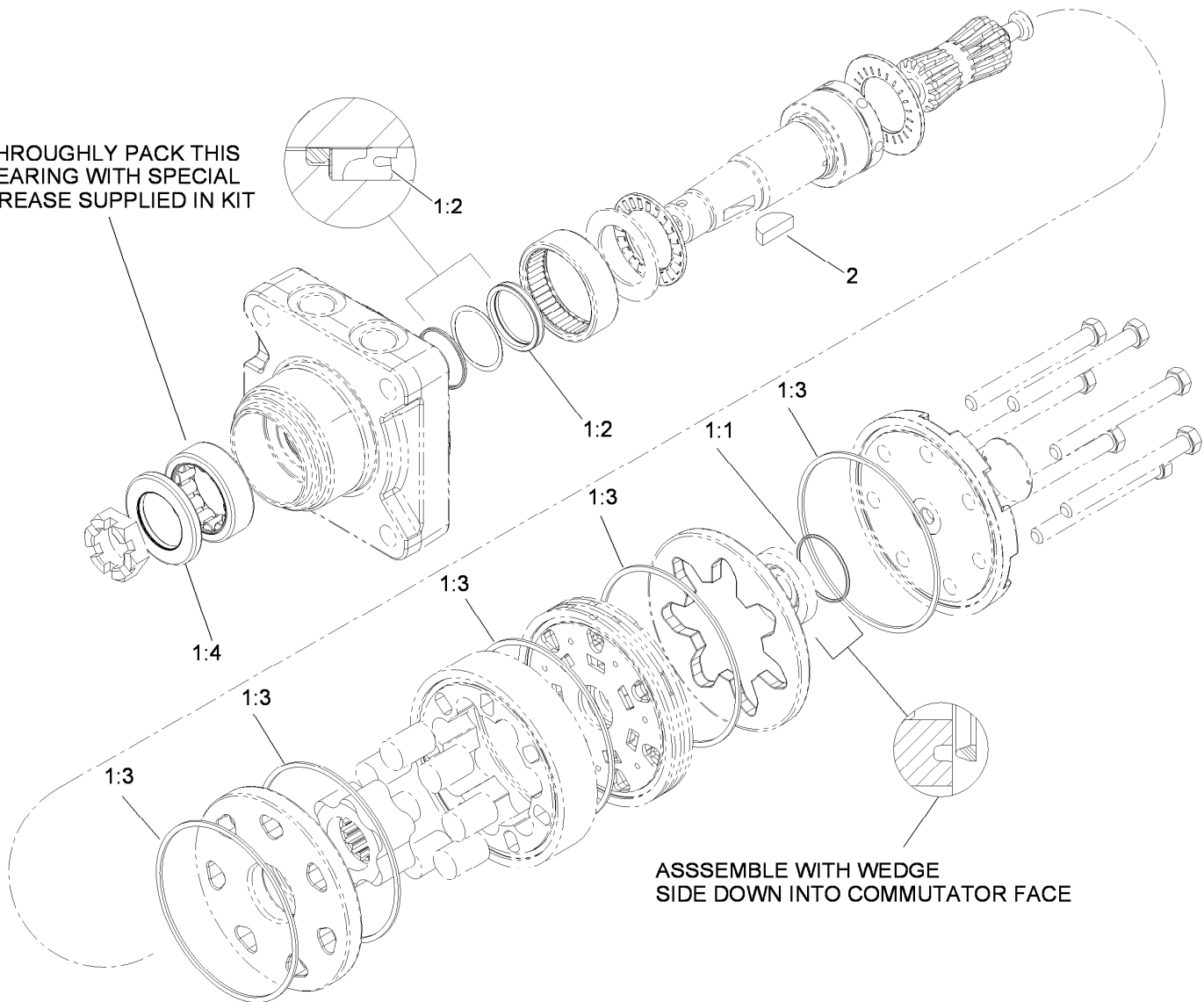


## Rear Traction Hydraulic Circuit

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 107-4544    | 1    | HYD Motor ASM      |
| 2    | 110-0901    | 1    | HYD Motor ASM      |
| 3    | 3253-7      | 8    | Washer-Lock        |
| 4    | 325-9       | 8    | Screw-HH           |
| 5    | 93-6981     | 3    | Spacer             |
| 6    | 3253-21     | 3    | Washer-Lock        |
| 7    | 323-9       | 3    | Screw-HH           |
| 8    | 108-1825    | 1    | HYD Manifold ASM   |
| 9    | 340-7       | 7    | Fitting-Straight   |
| 9:1  | 237-65      | 1    | O-Ring             |
| 9:2  | 237-80      | 1    | O-Ring             |
| 10   | 59-7410     | 2    | Fitting-Diagnostic |
| 10:1 | 237-42      | 1    | O-Ring             |
| 11   | 354-79      | 2    | Cap-Dust           |
| 12   | 106-3662    | 4    | Hose-HYD           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 13   | 108-7626    | 1    | Tube ASM            |
| 13:1 | 237-65      | 1    | O-Ring              |
| 14   | 108-7625    | 1    | Tube ASM            |
| 14:1 | 237-65      | 1    | O-Ring              |
| 15   | 108-7624    | 1    | Tube ASM            |
| 15:1 | 237-65      | 1    | O-Ring              |
| 16   | 56-7971     | 2    | Clamp-Tube          |
| 17   | 94-5780     | 1    | Screw-HWH           |
| 18   | 3290-378    | 1    | Tie-Cable           |
| 19   | 104-8300    | 1    | Nut-HF, NI          |
| 20   | 340-14      | 4    | Fitting-HYD, 45 DEG |
| 20:1 | 237-65      | 1    | O-Ring              |
| 20:2 | 237-80      | 1    | O-Ring              |
| 21   | 340-74      | 3    | Nut-Lock, Bulkhead  |
| 22   | 108-7645    | 1    | Hose-HYD            |

THOROUGHLY PACK THIS  
BEARING WITH SPECIAL  
GREASE SUPPLIED IN KIT



ASSEMBLE WITH WEDGE  
SIDE DOWN INTO COMMUTATOR FACE

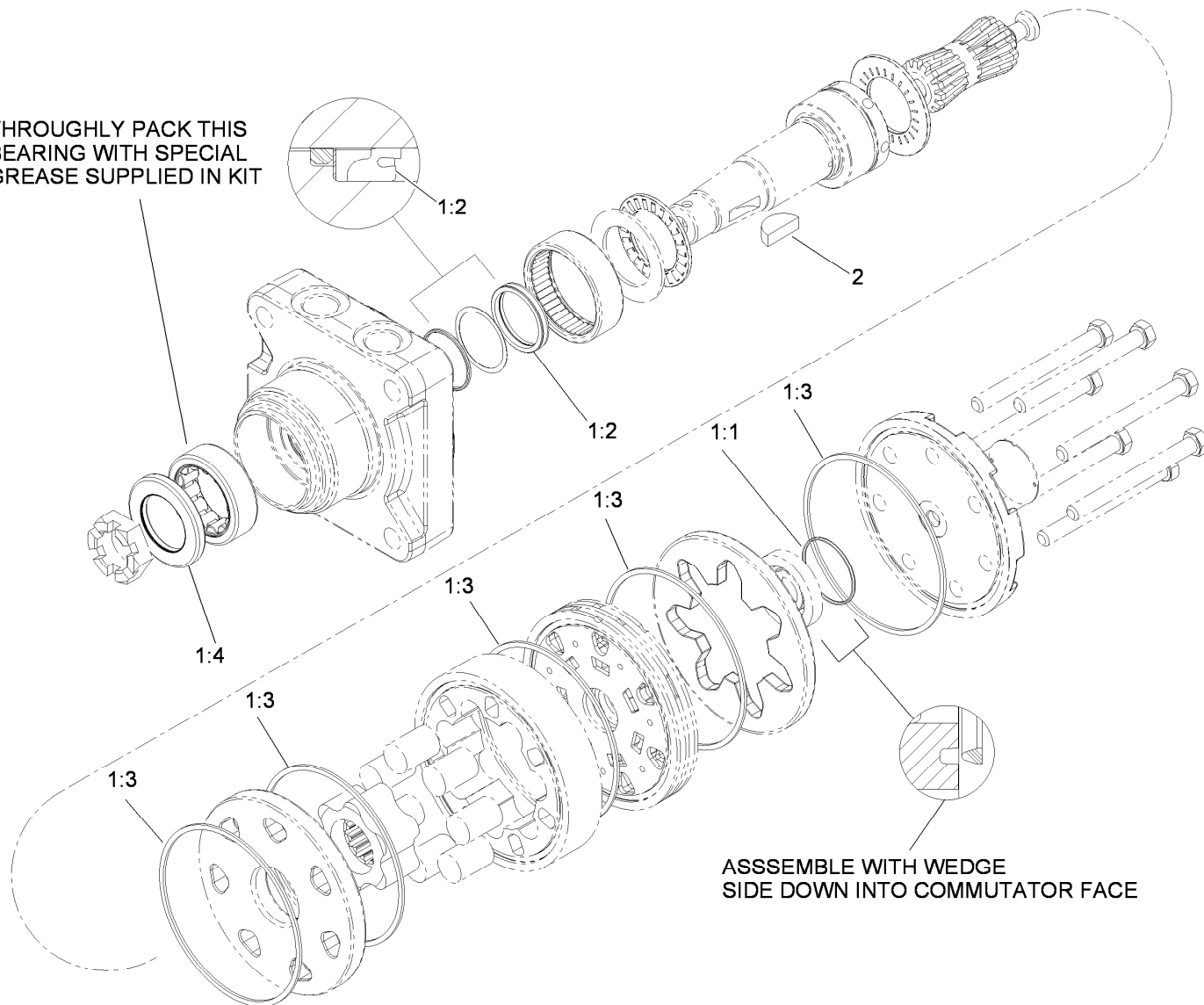
## Hydraulic Motor Assembly No. 107-4544

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 110-8897    | 1    | Seal Kit ●                |
| 1:1  |             | 1    | Seal-Commutator, Vespel ■ |
| 1:2  |             | 1    | Seal-Shaft ■              |
| 1:3  |             | 5    | Seal-Body, Buna ■         |
| 1:4  |             | 1    | Seal-Dirt / Water ■       |
| 2    | 3257-42     | 1    | Key-Woodruff              |

● Not illustrated

■ Not serviced separately

THOROUGHLY PACK THIS  
BEARING WITH SPECIAL  
GREASE SUPPLIED IN KIT

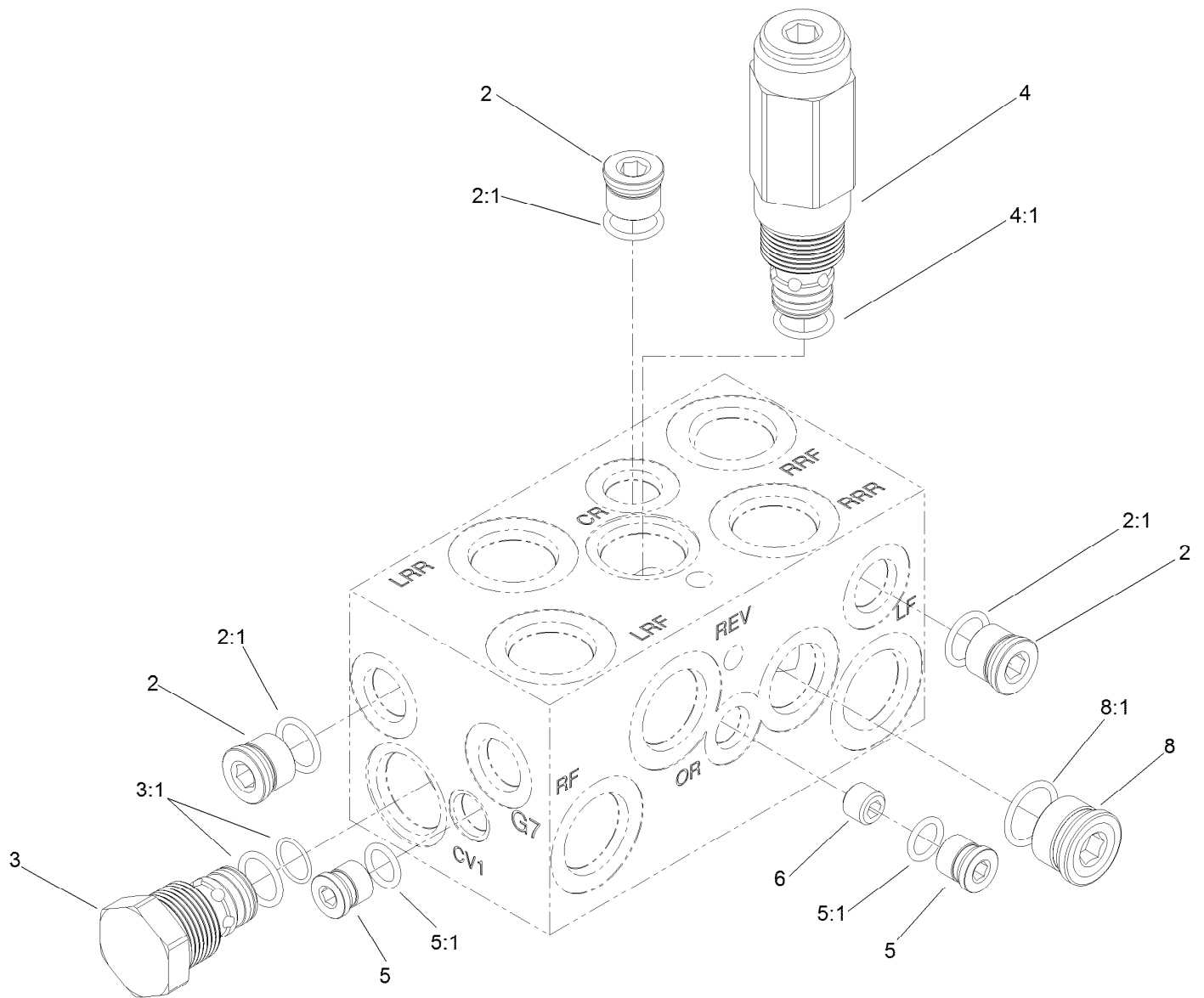


## Hydraulic Motor Assembly No. 110-0901

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 110-8897    | 1    | Seal Kit ●                |
| 1:1  |             | 1    | Seal-Commutator, Vespel ■ |
| 1:2  |             | 1    | Seal-Shaft ■              |
| 1:3  |             | 5    | Seal-Body, Buna ■         |
| 1:4  |             | 1    | Seal-Dirt / Water ■       |
| 2    | 3257-42     | 1    | Key-Woodruff              |

● Not illustrated

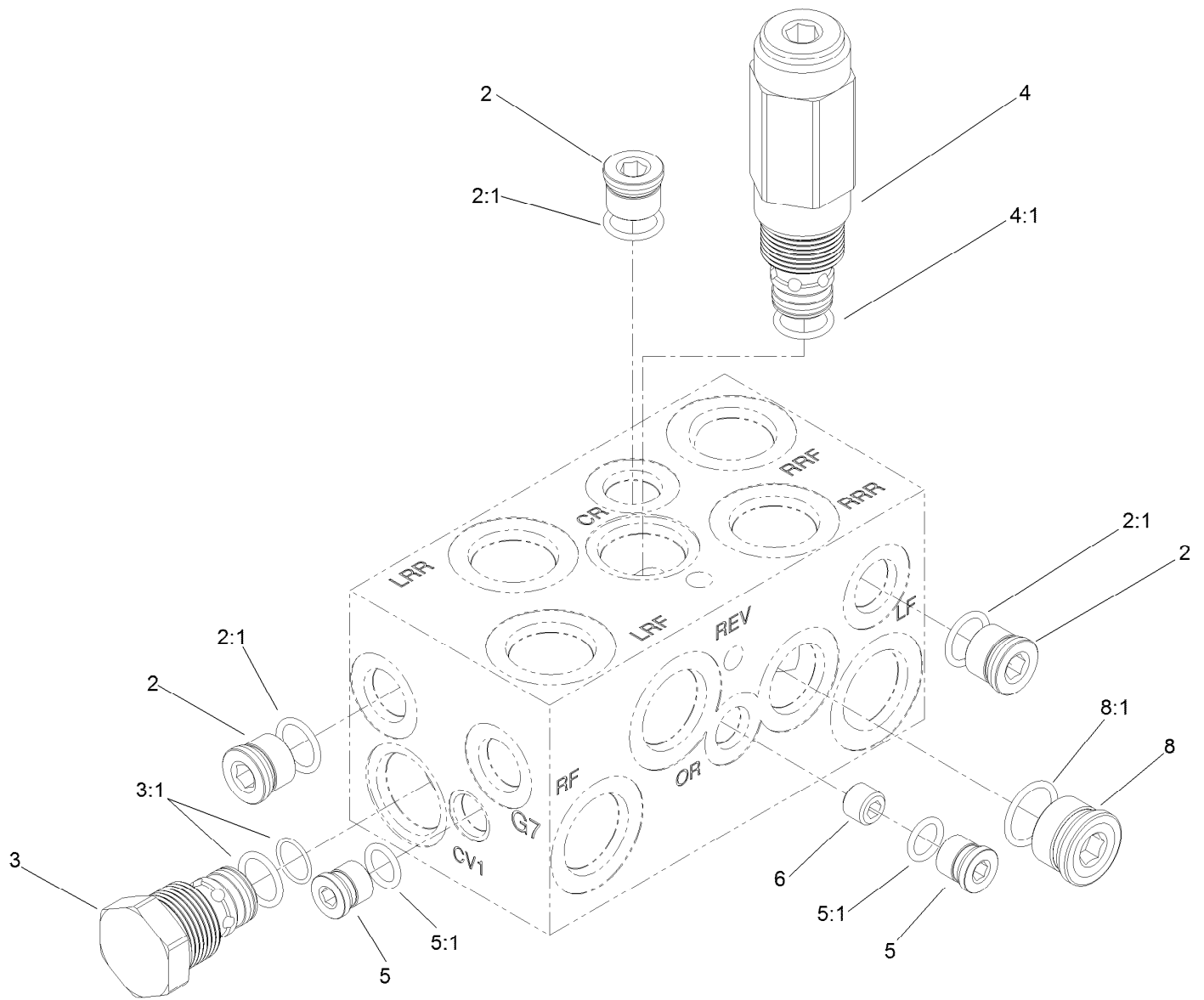
■ Not serviced separately



## Four Wheel Drive Manifold Assembly No. 108-1825

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 2    | 106-1026    | 3    | Plug-HYD                 |
| 2:1  | 237-42      | 1    | O-Ring                   |
| 3    | 110-8881    | 2    | Valve-Check              |
| 3:1  | 105-9159    | 1    | Seal Kit ●               |
| 4    | 110-8882    | 1    | Valve-Relief, Cross Over |
| 4:1  | 110-6316    | 1    | Seal Kit                 |
| 5    | 106-1025    | 2    | Plug-HYD                 |
| 5:1  | 237-78      | 1    | O-Ring                   |
| 6    | 110-8883    | 1    | Plug-Orifice (0.040)     |
| 8    | 106-1027    | 1    | Plug                     |
| 8:1  | 237-79      | 1    | O-Ring                   |

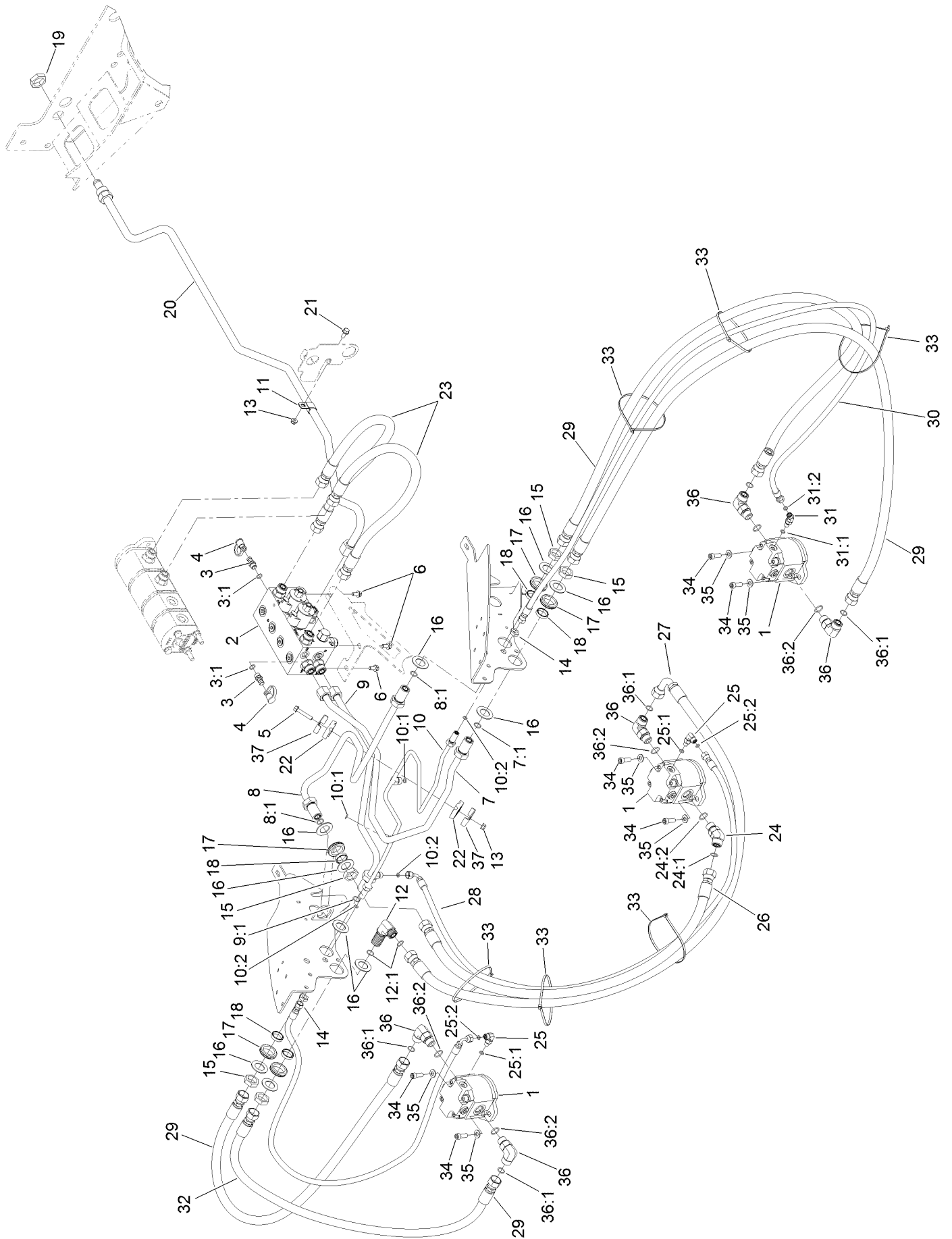
● Not illustrated



**Four Wheel Drive Manifold Assembly No. 108-1825 (continued)**

● Not illustrated

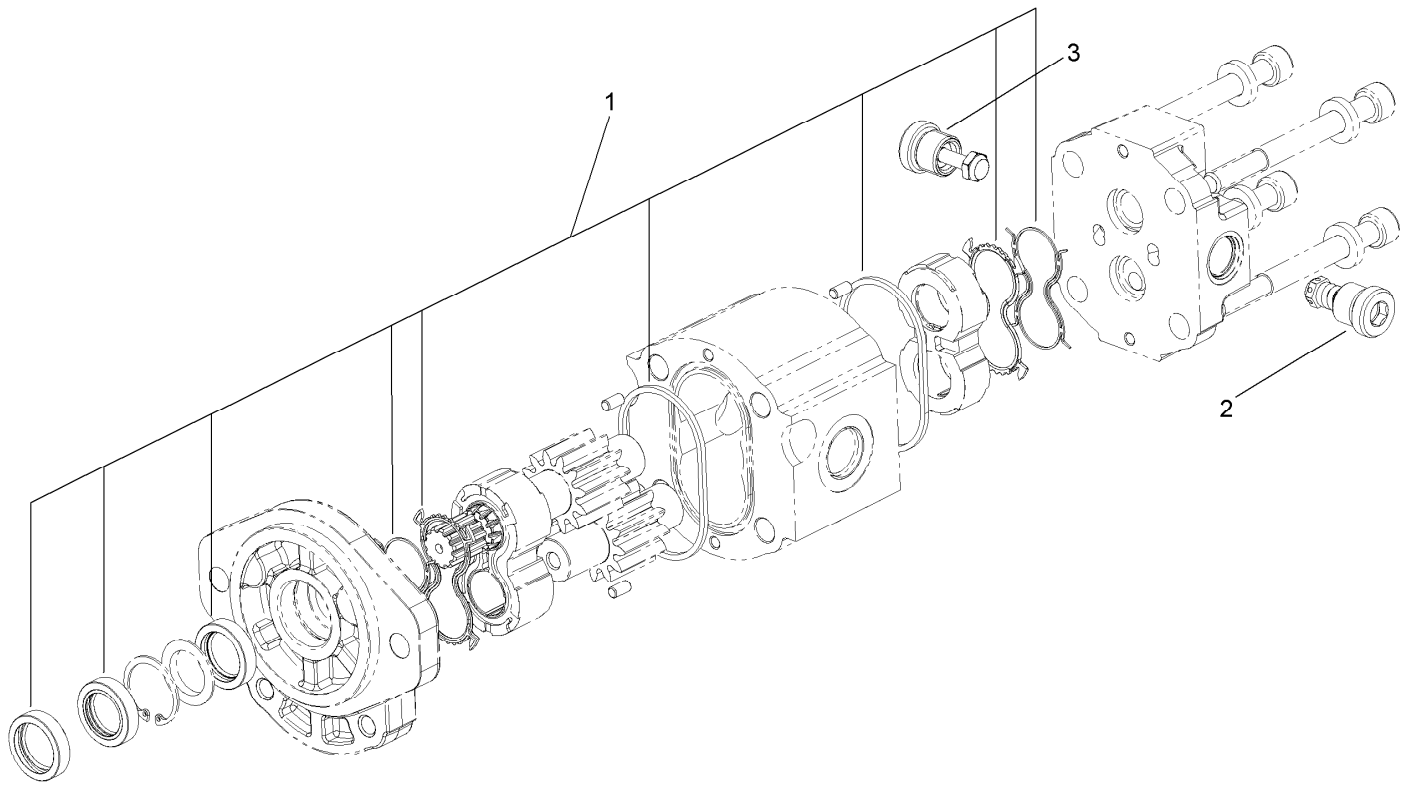
# Front Deck Hydraulic Assembly





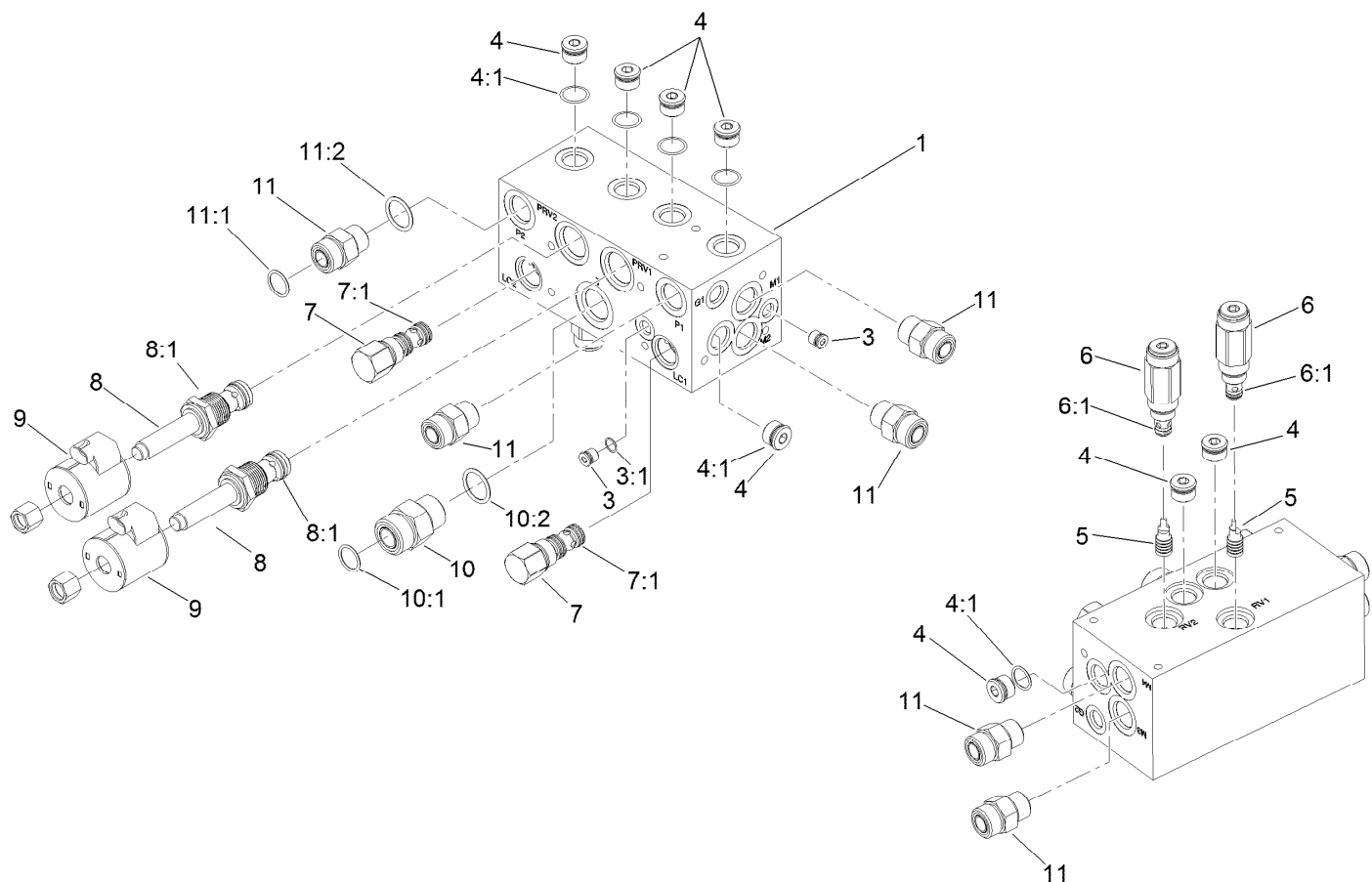
## Front Deck Hydraulic Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 108-4004           | 3           | Gear Motor ASM            | 20          | 108-1700           | 1           | Tube ASM              |
| 2           | 114-0359           | 1           | Deck Control Manifold ASM | 21          | 3234-5             | 1           | Screw-HHF             |
| 3           | 59-7410            | 2           | Fitting-Diagnostic        | 22          | 56-7970            | 2           | Clamp-Tube            |
| 3:1         | 237-42             | 1           | O-Ring                    | 23          | 108-1686           | 2           | Hose-HYD              |
| 4           | 354-79             | 2           | Cap-Dust                  | 24          | 340-14             | 1           | Fitting-HYD, 45 DEG   |
| 5           | 94-5780            | 1           | Screw-HWH                 | 24:1        | 237-65             | 1           | O-Ring                |
| 6           | 3234-14            | 3           | Screw-HHF                 | 24:2        | 237-80             | 1           | O-Ring                |
| 7           | 117-0138           | 1           | Tube ASM                  | 25          | 340-132            | 2           | Fitting-Elbow, 90 DEG |
| 7:1         | 237-65             | 1           | O-Ring                    | 25:1        | 237-78             | 1           | O-Ring                |
| 8           | 117-0137           | 1           | Tube ASM                  | 25:2        | 237-21             | 1           | O-Ring                |
| 8:1         | 237-65             | 2           | O-Ring                    | 26          | 117-0213           | 1           | HYD Hose ASM          |
| 9           | 117-0139           | 1           | Tube ASM                  | 27          | 117-0211           | 1           | HYD Hose ASM          |
| 9:1         | 237-65             | 1           | O-Ring                    | 28          | 117-0212           | 1           | HYD Hose ASM          |
| 10          | 110-5286           | 1           | Tube ASM                  | 29          | 117-0299           | 4           | HYD Hose ASM          |
| 10:1        | 237-22             | 2           | O-Ring                    | 30          | 104-9323           | 1           | Hose-HYD              |
| 10:2        | 237-21             | 3           | O-Ring                    | 31          | 340-103            | 1           | Fitting-HYD, 45 DEG   |
| 11          | 2412-4             | 1           | Clamp-R                   | 31:1        | 237-78             | 1           | O-Ring                |
| 12          | 340-72             | 1           | Fitting-Bulkhead, 90 DEG  | 31:2        | 237-21             | 1           | O-Ring                |
| 12:1        | 237-65             | 2           | O-Ring                    | 32          | 92-7638            | 1           | Hose ASM              |
| 13          | 104-8300           | 2           | Nut-HF, NI                | 33          | 3334-945           | 9           | Tie-Cable             |
| 14          | 340-78             | 2           | Nut-Lock                  | 34          | 3274-7             | 6           | Screw-HSH             |
| 15          | 340-74             | 5           | Nut-Lock, Bulkhead        | 35          | 3256-24            | 6           | Washer-Flat           |
| 16          | 69-9010            | 10          | Washer                    | 36          | 340-17             | 5           | Fitting-Elbow, 90 DEG |
| 17          | 240-3              | 5           | Grommet-Rubber            | 36:1        | 237-65             | 1           | O-Ring                |
| 18          | 125-1984           | 5           | Spacer                    | 36:2        | 237-80             | 1           | O-Ring                |
| 19          | 340-126            | 1           | Nut-Bulkhead              |             |                    |             |                       |



## Gear Motor Assembly No. 108-4004

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 117-0235           | 1           | Seal Kit             |
| 2           | 107-7820           | 1           | Valve-Relief         |
| 3           | 107-7821           | 1           | Valve-Anticavitation |

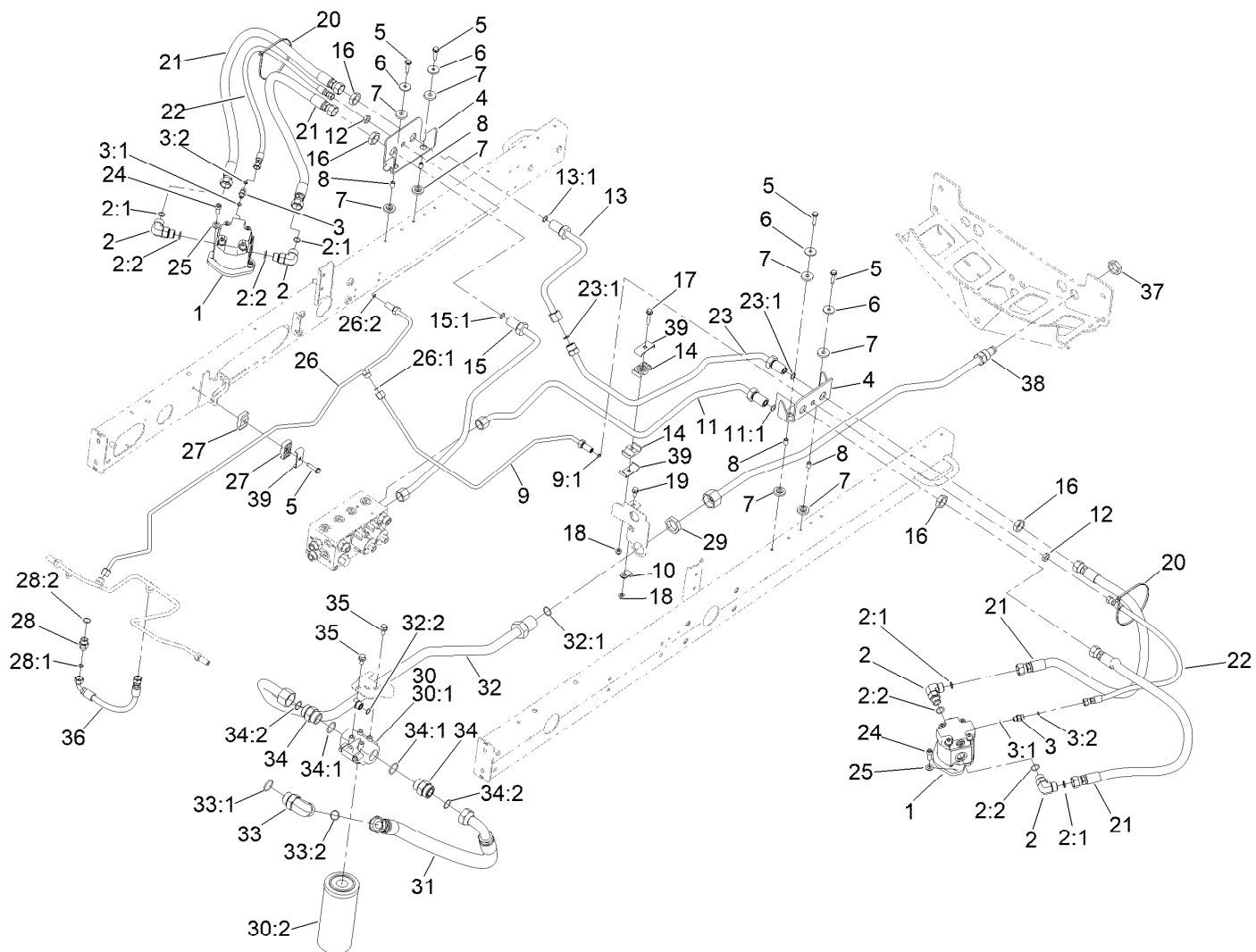


## Deck Control Manifold Assembly No. 114-0359

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    |             | 1    | Hydraulic Manifold ●  |
| 3    | 106-1025    | 2    | Plug-HYD              |
| 3:1  | 237-78      | 1    | O-Ring                |
| 4    | 106-1027    | 8    | Plug                  |
| 4:1  | 237-79      | 1    | O-Ring                |
| 5    | 105-9157    | 2    | Piston-Pilot          |
| 6    | 112-5259    | 2    | Valve-Relief          |
| 6:1  | 105-9156    | 1    | Seal Kit              |
| 7    | 105-9153    | 2    | Element-Logic, Vented |
| 7:1  | 119-2159    | 1    | Seal Kit              |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 8    | 117-0229    | 2    | Valve-Relief, Proportional |
| 8:1  | 117-1114    | 1    | Seal Kit                   |
| 9    | 110-6344    | 2    | Coil-12V, DC               |
| 10   | 340-9       | 1    | Fitting-STR                |
| 10:1 | 237-58      | 1    | O-Ring                     |
| 10:2 | 237-81      | 1    | O-Ring                     |
| 11   | 340-7       | 2    | Fitting-Straight           |
| 11:1 | 237-65      | 1    | O-Ring                     |
| 11:2 | 237-80      | 1    | O-Ring                     |

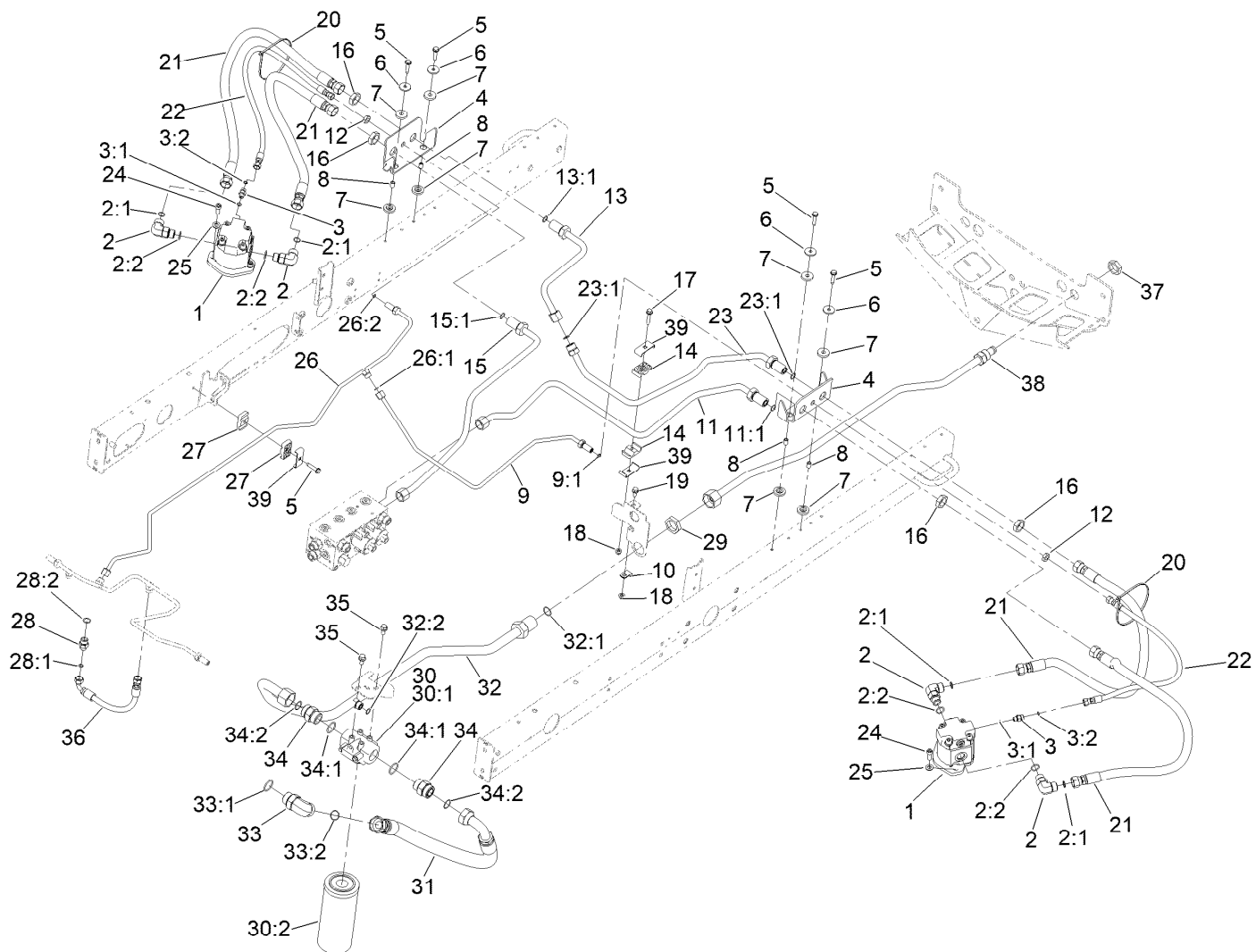
● Not serviced separately



## Rear Deck Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 108-4004    | 2    | Gear Motor ASM        |
| 2    | 340-17      | 4    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-80      | 1    | O-Ring                |
| 3    | 340-92      | 2    | Fitting-Straight      |
| 3:1  | 237-78      | 1    | O-Ring                |
| 3:2  | 237-21      | 1    | O-Ring                |
| 4    | 117-0174-03 | 2    | Bracket-Bulkhead      |
| 5    | 32144-57    | 5    | Screw                 |
| 6    | 105-3048    | 4    | Washer-Flat           |
| 7    | 240-11      | 8    | Bushing-Flange        |
| 8    | 99-8611     | 4    | Spacer                |
| 9    | 114-8887    | 1    | Tube ASM              |
| 9:1  | 237-21      | 1    | O-Ring                |
| 10   | 2412-113    | 1    | Clamp-R               |
| 11   | 117-0142    | 1    | Tube ASM              |
| 11:1 | 237-65      | 1    | O-Ring                |
| 12   | 340-78      | 2    | Nut-Lock              |
| 13   | 117-0140    | 1    | Tube ASM              |
| 13:1 | 237-65      | 1    | O-Ring                |
| 14   | 56-7971     | 2    | Clamp-Tube            |

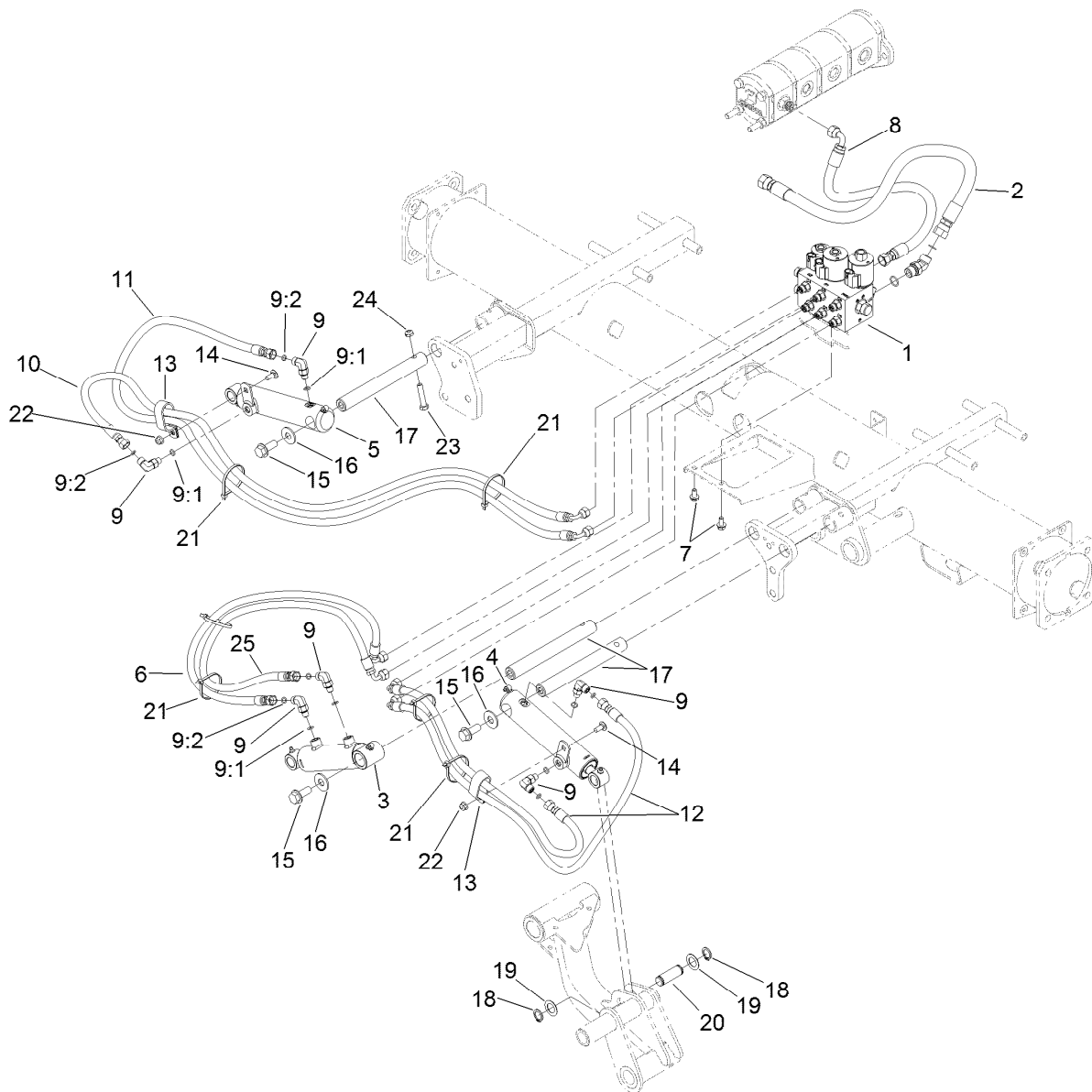
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 15   | 117-0141    | 1    | Tube ASM           |
| 15:1 | 237-65      | 1    | O-Ring             |
| 16   | 340-74      | 4    | Nut-Lock, Bulkhead |
| 17   | 94-5780     | 1    | Screw-HWH          |
| 18   | 104-8300    | 2    | Nut-HF, NI         |
| 19   | 3234-5      | 1    | Screw-HHF          |
| 20   | 3334-945    | 6    | Tie-Cable          |
| 21   | 105-1215    | 4    | Hose-HYD           |
| 22   | 108-6507    | 2    | Hose-HYD           |
| 23   | 117-0177    | 1    | Tube ASM           |
| 23:1 | 237-65      | 2    | O-Ring             |
| 24   | 3274-7      | 4    | Screw-HSH          |
| 25   | 3256-24     | 4    | Washer-Flat        |
| 26   | 114-8888    | 1    | Tube ASM           |
| 26:1 | 237-22      | 1    | O-Ring             |
| 26:2 | 237-21      | 1    | O-Ring             |
| 27   | 56-7972     | 2    | Clamp-Tube         |
| 28   | 340-3       | 1    | Fitting-Straight   |
| 28:1 | 237-22      | 1    | O-Ring             |
| 28:2 | 237-79      | 1    | O-Ring             |
| 29   | 340-128     | 1    | Nut-Bulkhead       |



## Rear Deck Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 30   | 98-3923     | 1    | Oil Filter ASM        |
| 30:1 | 104-0080    | 1    | Filter Head ASM       |
| 30:2 | 94-2621     | 1    | Element-Filter        |
| 31   | 108-1689    | 1    | Hose-HYD              |
| 32   | 108-1699    | 1    | Tube ASM              |
| 32:1 | 340-65      | 1    | O-Ring                |
| 32:2 | 237-30      | 1    | O-Ring                |
| 33   | 340-129     | 1    | Fitting-Elbow, 90 DEG |
| 33:1 | 237-146     | 1    | O-Ring                |

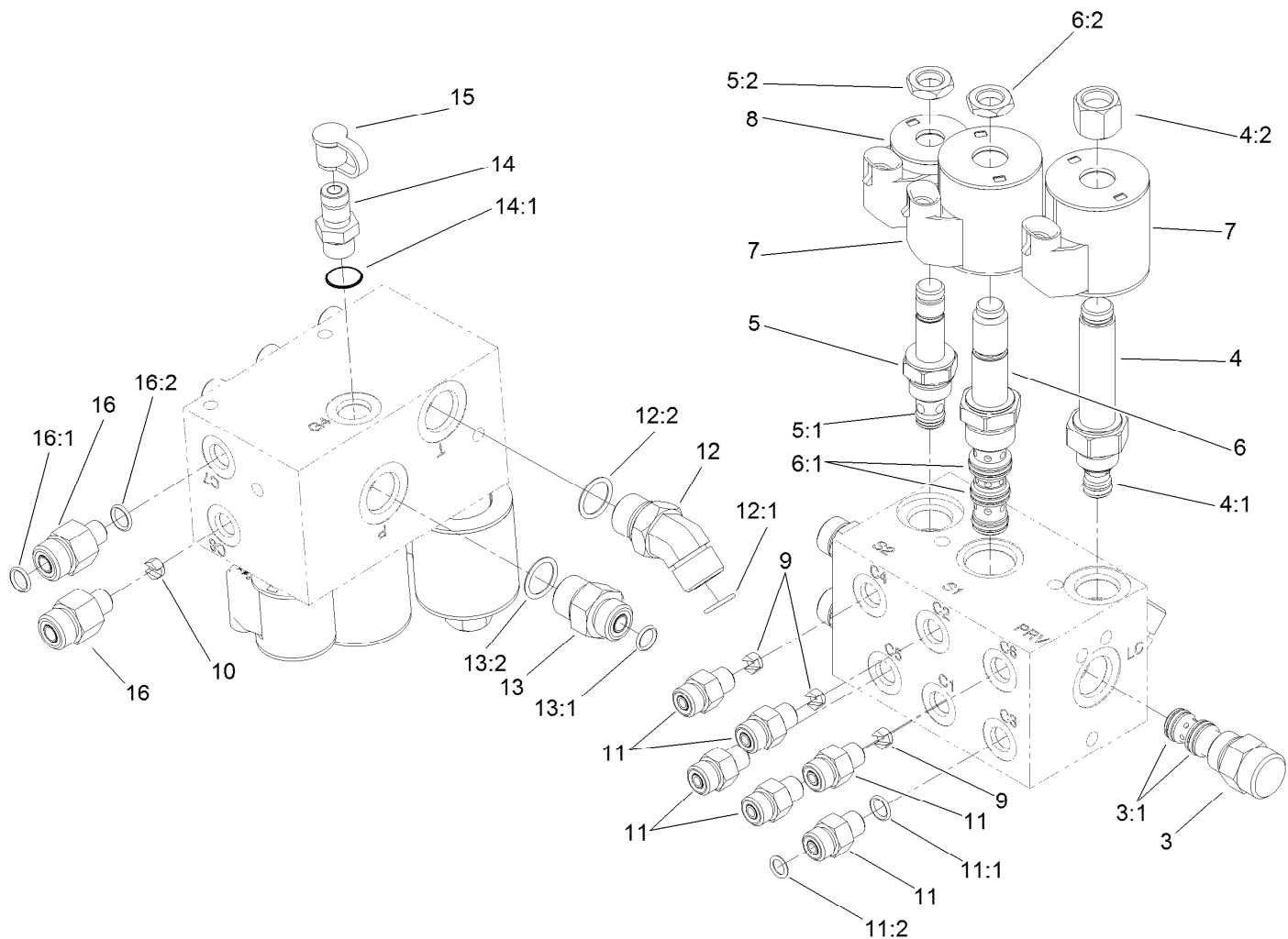
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 33:2 | 340-65      | 1    | O-Ring           |
| 34   | 104-3797    | 2    | Fitting-Straight |
| 34:1 | 237-146     | 1    | O-Ring           |
| 34:2 | 340-65      | 1    | O-Ring           |
| 35   | 3234-1      | 2    | Screw-HHF        |
| 36   | 66-8490     | 1    | Hose-HYD         |
| 37   | 340-126     | 1    | Nut-Bulkhead     |
| 38   | 108-1691    | 1    | Tube ASM         |



## Deck No. 1, 4 and 5 Lift Circuit Hydraulic Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 117-0158    | 1    | Lift Control Manifold ASM |
| 2    | 117-0180    | 1    | Hose-HYD                  |
| 3    | 119-6989    | 1    | HYD Cylinder ASM          |
| 4    | 119-6990    | 1    | HYD Cylinder ASM          |
| 5    | 119-6991    | 1    | HYD Cylinder ASM          |
| 6    | 117-0253    | 1    | Hose-HYD                  |
| 7    | 3234-14     | 2    | Screw-HHF                 |
| 8    | 92-5694     | 1    | Hose-Hydraulic            |
| 9    | 340-132     | 6    | Fitting-Elbow, 90 DEG     |
| 9:1  | 237-78      | 1    | O-Ring                    |
| 9:2  | 237-21      | 1    | O-Ring                    |
| 10   | 117-0262    | 1    | Hose-HYD                  |
| 11   | 117-0261    | 1    | Hose-HYD                  |
| 12   | 85-4940     | 2    | Hose-HYD                  |

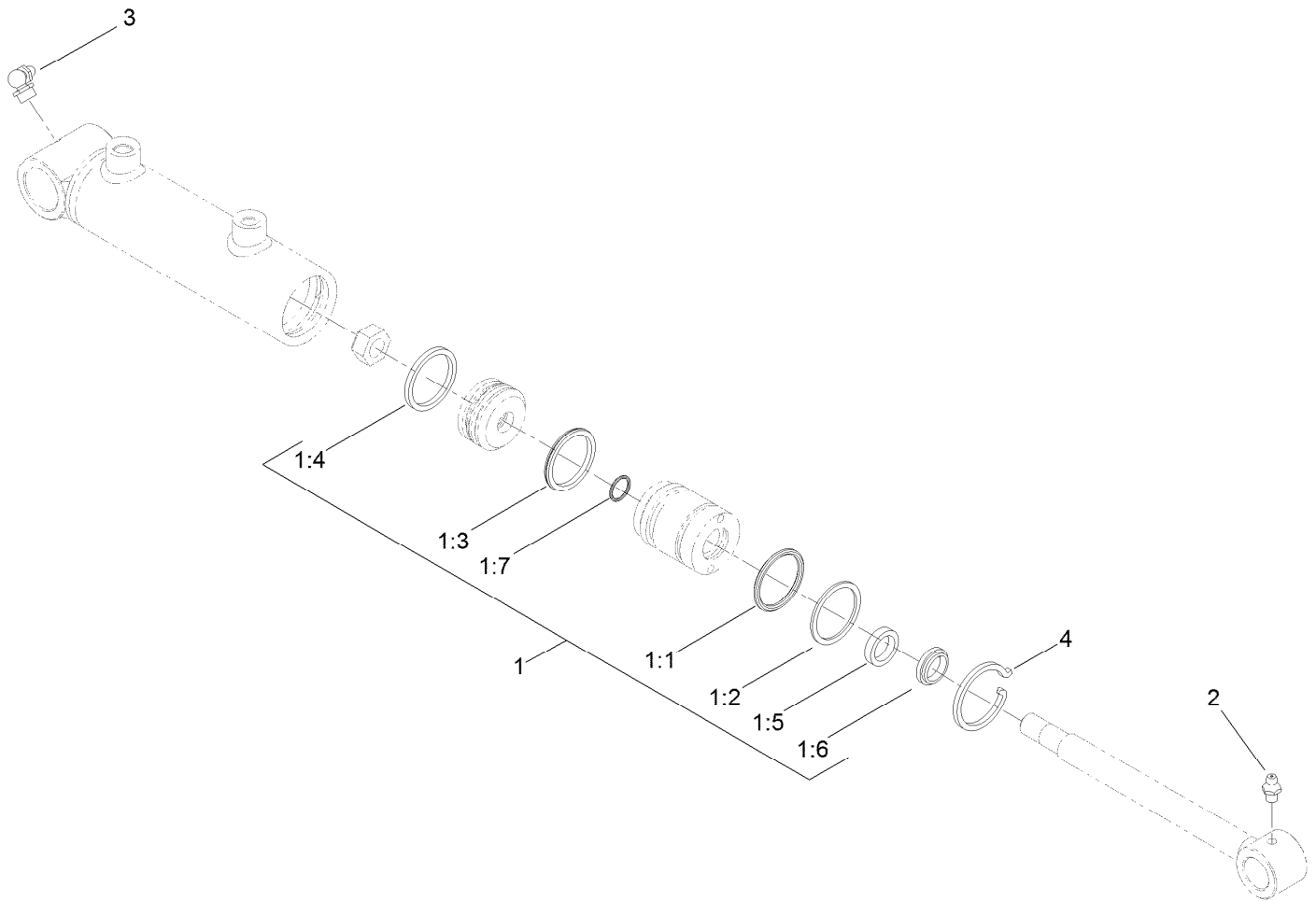
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 13   | 2412-137    | 2    | Clamp-R, Double     |
| 14   | 3230-23     | 2    | Bolt-CARR           |
| 15   | 3234-38     | 3    | Screw-HHF           |
| 16   | 3256-6      | 3    | Washer-Flat         |
| 17   | 117-0148    | 3    | Pin-Cylinder        |
| 18   | 32120-93    | 6    | Ring-Retaining      |
| 19   | 3-6498      | 6    | Washer-Thrust       |
| 20   | 104-0046    | 3    | Pin-Slide, Cylinder |
| 21   | 3290-379    | 6    | Tie-Cable           |
| 22   | 104-8300    | 2    | Nut-HF, NI          |
| 23   | 323-9       | 3    | Screw-HH            |
| 24   | 3296-59     | 3    | Nut-Lock, NI        |
| 25   | 117-0254    | 1    | HP HYD Hose ASM     |



## Lift Control Manifold Assembly No. 117-0158

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 3    | 117-0228    | 1    | Element-Directional, Pilot    |
| 3:1  | 115-5413    | 1    | Seal Kit                      |
| 4    | 117-0227    | 1    | Valve-Relief, Proportional    |
| 4:1  | 105-9156    | 1    | Seal Kit                      |
| 4:2  | 119-2160    | 1    | Nut-Coil                      |
| 5    | 107-7516    | 1    | Solenoid Valve ASM            |
| 5:1  | 105-9156    | 1    | Seal Kit                      |
| 5:2  | 110-2634    | 1    | Nut-Coil                      |
| 6    | 110-8906    | 1    | Valve-Solenoid                |
| 6:1  | 110-8908    | 1    | Spool Valve Seal Kit          |
| 6:2  | 110-2634    | 1    | Nut-Coil                      |
| 7    | 110-6344    | 2    | Coil-12V, DC                  |
| 8    | 110-0497    | 1    | Coil-Solenoid                 |
| 9    | 110-8902    | 3    | Orifice-Control, Flow (0.046) |
| 10   | 114-4682    | 1    | Orifice-Flow Control (.030)   |
| 11   | 340-92      | 6    | Fitting-Straight              |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 11:1 | 237-78      | 1    | O-Ring              |
| 11:2 | 237-21      | 1    | O-Ring              |
| 12   | 340-101     | 1    | Fitting-HYD, 45 DEG |
| 12:1 | 237-30      | 1    | O-Ring              |
| 12:2 | 237-79      | 1    | O-Ring              |
| 13   | 340-3       | 1    | Fitting-Straight    |
| 13:1 | 237-22      | 1    | O-Ring              |
| 13:2 | 237-79      | 1    | O-Ring              |
| 14   | 59-7410     | 1    | Fitting-Diagnostic  |
| 14:1 | 237-42      | 1    | O-Ring              |
| 15   | 354-79      | 1    | Cap-Dust            |
| 16   | 340-88      | 2    | Fitting-Straight    |
| 16:1 | 237-22      | 1    | O-Ring              |
| 16:2 | 237-78      | 1    | O-Ring              |

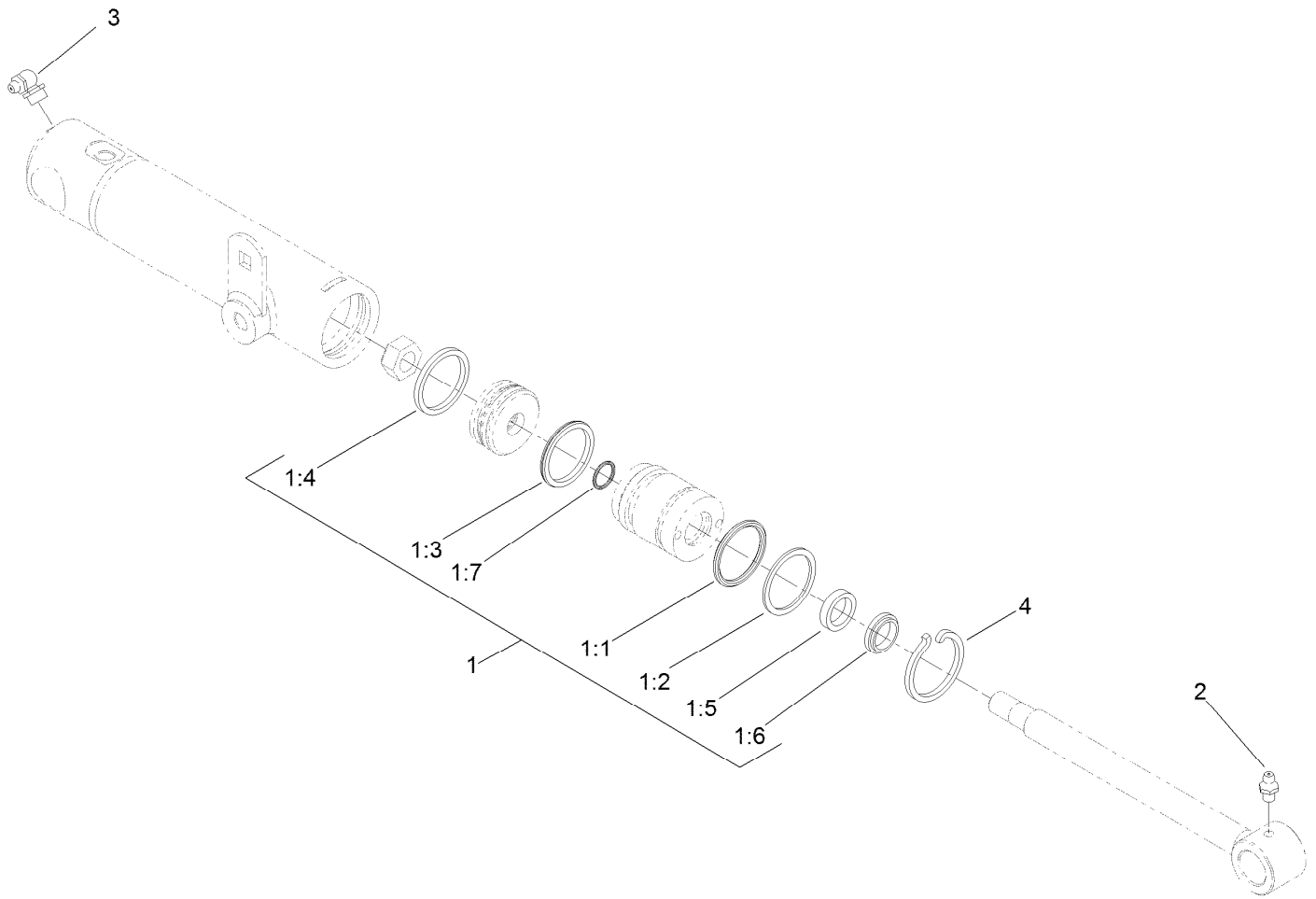


## Hydraulic Cylinder Assembly No. 119-6989

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 119-6992    | 1    | Seal Kit       |
| 1:1  |             | 1    | O-Ring ●       |
| 1:2  |             | 1    | Backup ●       |
| 1:3  |             | 1    | Bp Seal ●      |
| 1:4  |             | 1    | Wear Ring-Ht ● |
| 1:5  |             | 1    | Bs Seal ●      |
| 1:6  |             | 1    | Dust Seal-Dt ● |
| 1:7  |             | 1    | O-Ring ●       |
| 2    | 302-5       | 1    | Fitting-Grease |
| 3    | 302-33      | 1    | Fitting-Grease |
| 4    | 84-1680     | 1    | Ring-Retaining |

● Not serviced separately

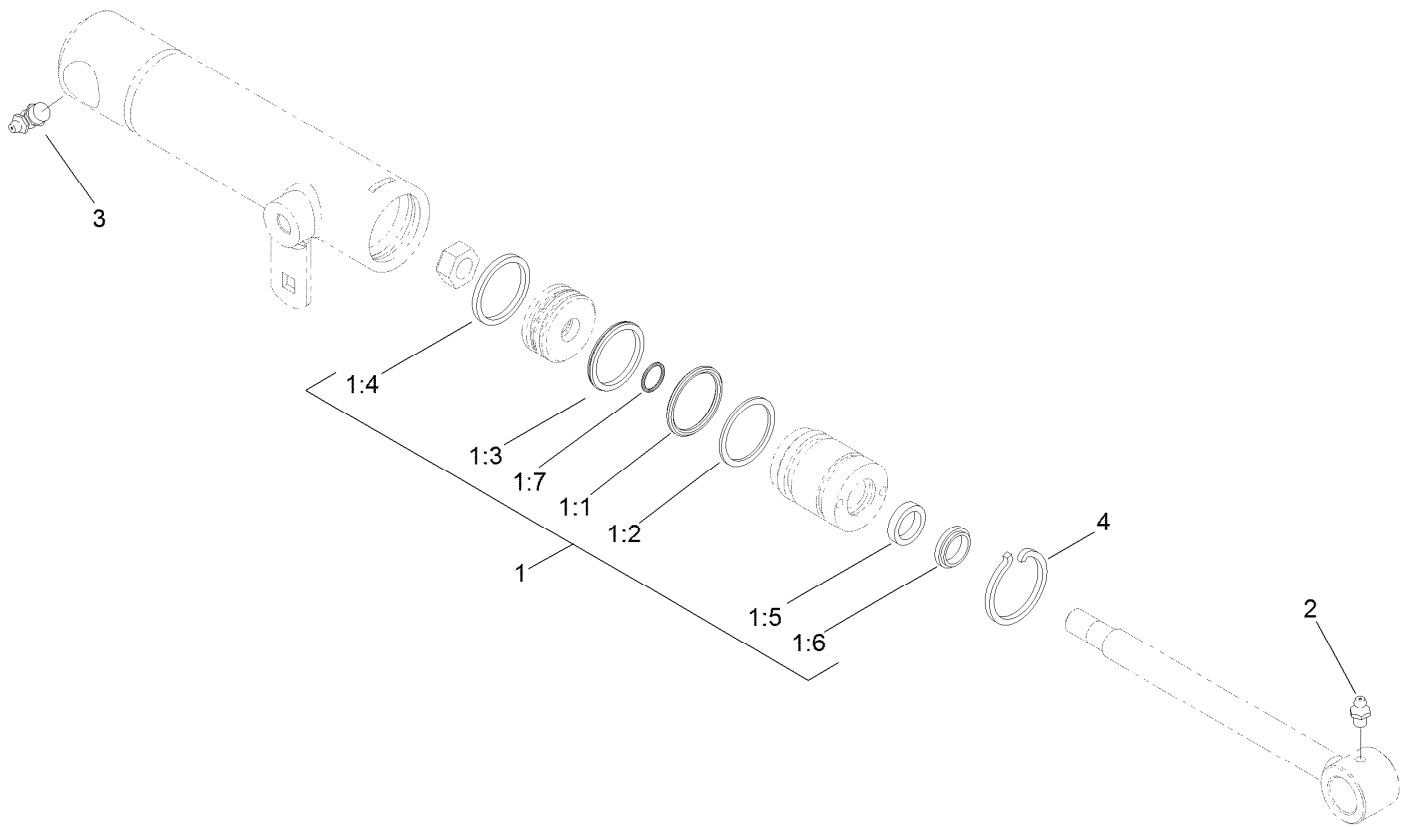




## Hydraulic Cylinder Assembly No. 119-6990

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 119-6992    | 1    | Seal Kit       |
| 1:1  |             | 1    | O-Ring ●       |
| 1:2  |             | 1    | Backup ●       |
| 1:3  |             | 1    | Bp Seal ●      |
| 1:4  |             | 1    | Wear Ring-Ht ● |
| 1:5  |             | 1    | Bs Seal ●      |
| 1:6  |             | 1    | Dust Seal-Dt ● |
| 1:7  |             | 1    | O-Ring ●       |
| 2    | 302-5       | 1    | Fitting-Grease |
| 3    | 302-33      | 1    | Fitting-Grease |
| 4    | 84-1680     | 1    | Ring-Retaining |

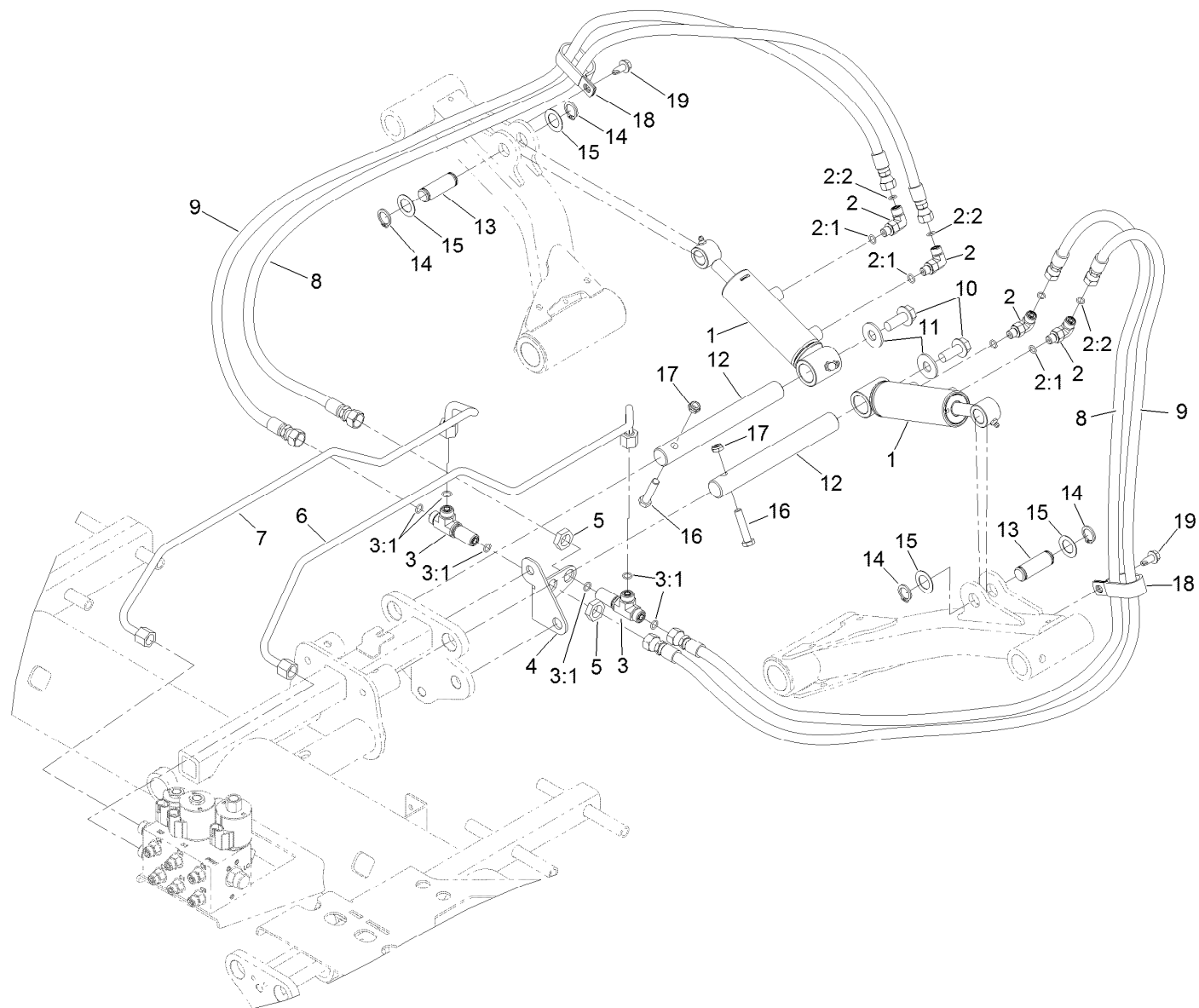
● Not serviced separately



## Hydraulic Cylinder Assembly No. 119-6991

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 119-6992    | 1    | Seal Kit       |
| 1:1  |             | 1    | O-Ring ●       |
| 1:2  |             | 1    | Backup ●       |
| 1:3  |             | 1    | Bp Seal ●      |
| 1:4  |             | 1    | Wear Ring-Ht ● |
| 1:5  |             | 1    | Bs Seal ●      |
| 1:6  |             | 1    | Dust Seal-Dt ● |
| 1:7  |             | 1    | O-Ring ●       |
| 2    | 302-5       | 1    | Fitting-Grease |
| 3    | 302-33      | 1    | Fitting-Grease |
| 4    | 84-1680     | 1    | Ring-Retaining |

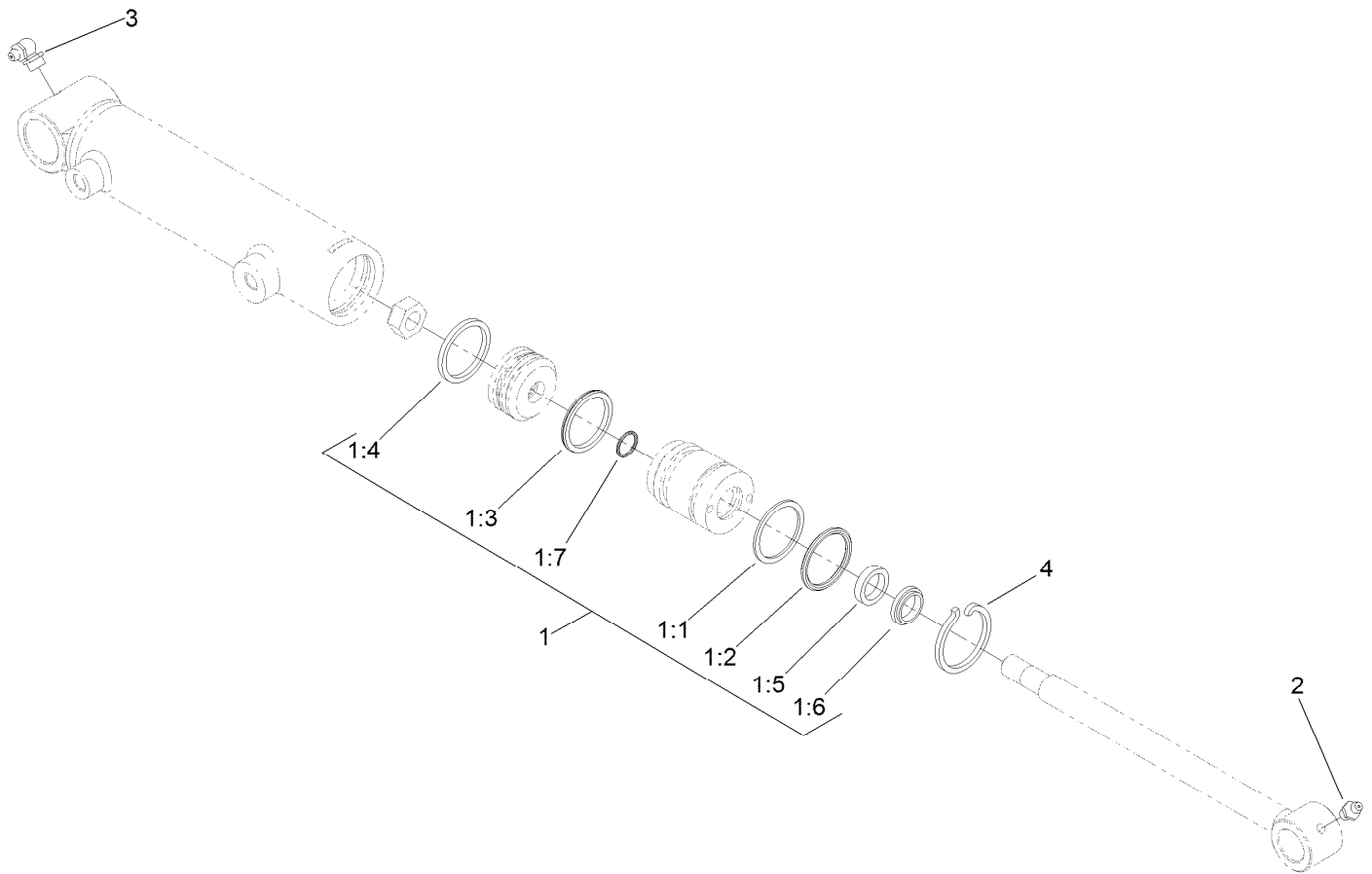
● Not serviced separately



## Deck No. 2 and 3 Lift Circuit Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 119-6988    | 2    | HYD Cylinder ASM      |
| 2    | 340-132     | 4    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-78      | 1    | O-Ring                |
| 2:2  | 237-21      | 1    | O-Ring                |
| 3    | 340-68      | 2    | Fitting-Tee, Bulkhead |
| 3:1  | 237-22      | 3    | O-Ring                |
| 4    | 117-0179    | 1    | Bracket-Bulkhead      |
| 5    | 340-70      | 2    | Nut-Lock              |
| 6    | 117-0175    | 1    | Tube-HYD              |
| 7    | 117-0176    | 1    | Tube-HYD              |
| 8    | 105-5402    | 2    | Hose-HYD              |

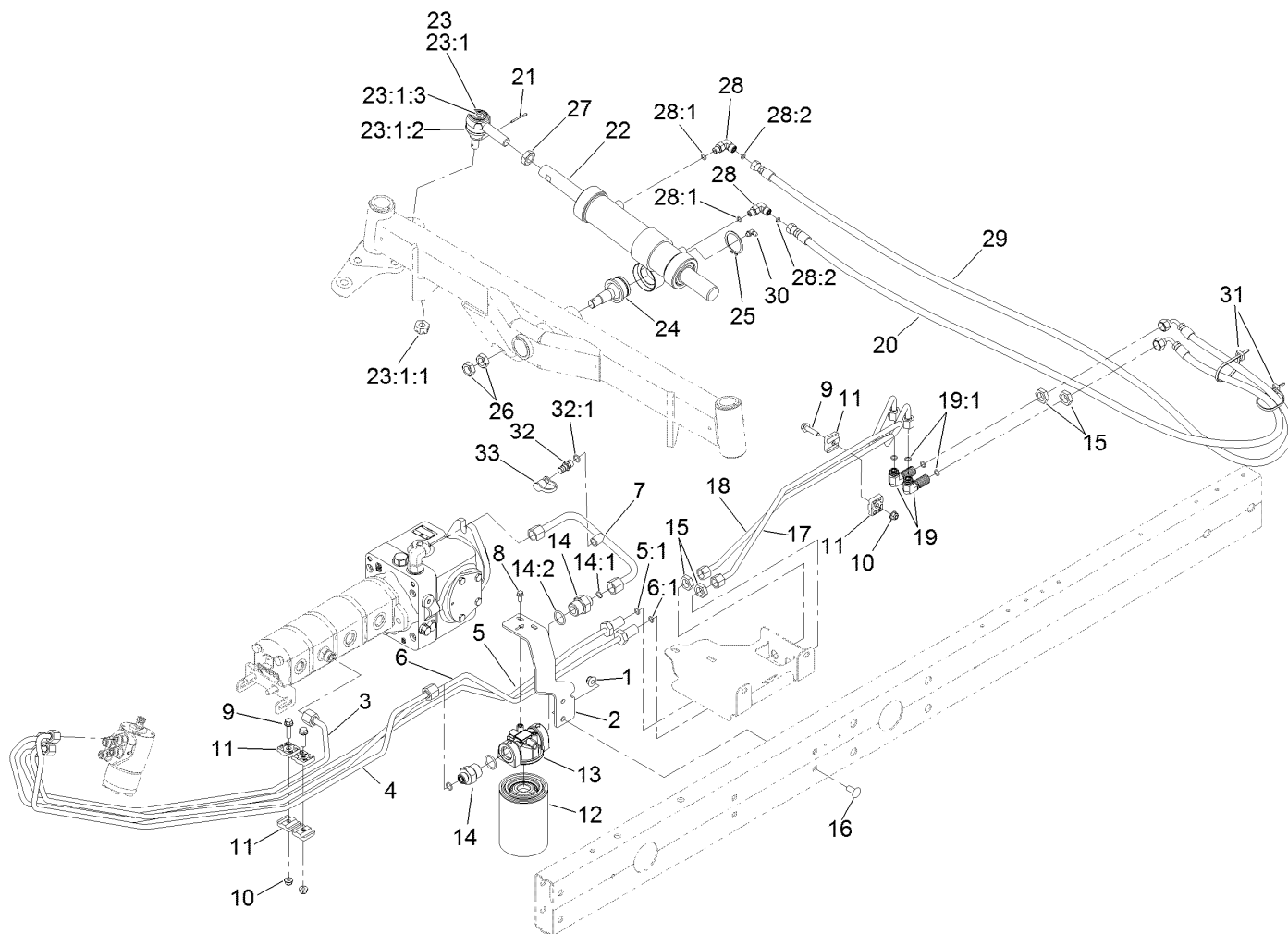
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 9    | 105-5405    | 2    | Hose-HYD            |
| 10   | 3234-38     | 2    | Screw-HHF           |
| 11   | 3256-6      | 2    | Washer-Flat         |
| 12   | 117-0148    | 2    | Pin-Cylinder        |
| 13   | 104-0046    | 2    | Pin-Slide, Cylinder |
| 14   | 32120-93    | 4    | Ring-Retaining      |
| 15   | 3-6498      | 4    | Washer-Thrust       |
| 16   | 323-9       | 2    | Screw-HH            |
| 17   | 3296-59     | 2    | Nut-Lock, NI        |
| 18   | 2412-137    | 2    | Clamp-R, Double     |
| 19   | 32104-32    | 2    | Screw-HWH           |



## Hydraulic Cylinder Assembly No. 119-6988

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 119-6992    | 1    | Seal Kit       |
| 1:1  |             | 1    | O-Ring ●       |
| 1:2  |             | 1    | Backup ●       |
| 1:3  |             | 1    | Bp Seal ●      |
| 1:4  |             | 1    | Wear Ring-Ht ● |
| 1:5  |             | 1    | Bs Seal ●      |
| 1:6  |             | 1    | Dust Seal-Dt ● |
| 1:7  |             | 1    | O-Ring ●       |
| 2    | 302-5       | 1    | Fitting-Grease |
| 3    | 302-33      | 1    | Fitting-Grease |
| 4    | 84-1680     | 1    | Ring-Retaining |

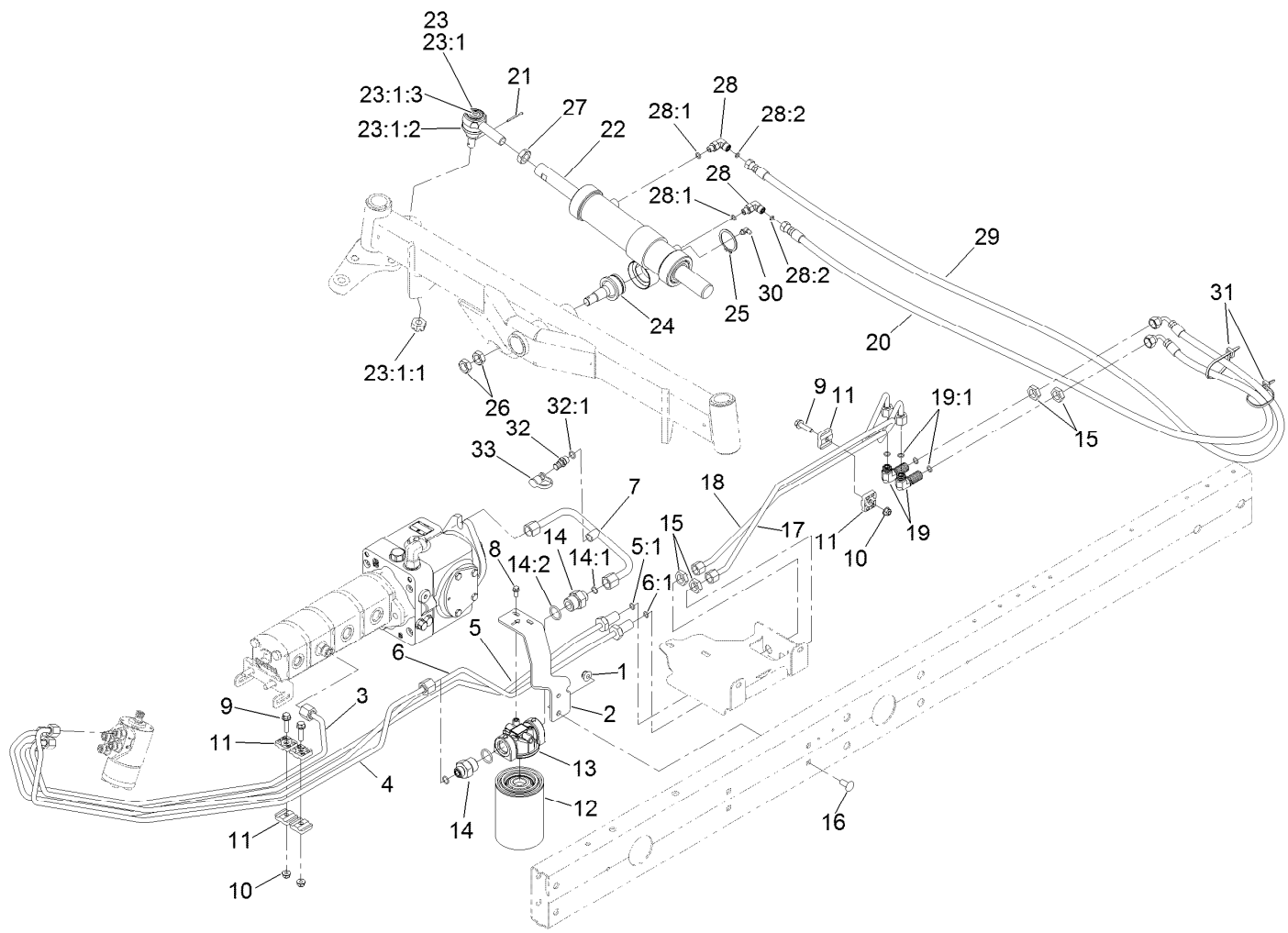
● Not serviced separately



## Steering Hydraulic Assembly

| Ref. | Part Number | Qty. | Description         | Ref.   | Part Number | Qty. | Description               |
|------|-------------|------|---------------------|--------|-------------|------|---------------------------|
| 1    | 104-8301    | 2    | Nut-HF, NI          | 15     | 340-70      | 4    | Nut-Lock                  |
| 2    | 110-0906-01 | 1    | Support-Filter, Oil | 16     | 3231-27     | 2    | Screw-CARR                |
| 3    | 117-0167    | 1    | Tube-HYD            | 17     | 110-9019    | 1    | Tube-HYD                  |
| 4    | 108-1711    | 1    | Tube-HYD            | 18     | 110-9020    | 1    | Tube-HYD                  |
| 5    | 108-1712    | 1    | Tube ASM            | 19     | 340-154     | 2    | Union-Bulkhead            |
| 5:1  | 237-22      | 1    | O-Ring              | 19:1   | 237-22      | 2    | O-Ring                    |
| 6    | 108-1713    | 1    | Tube ASM            | 20     | 110-0928    | 1    | Hose-HYD                  |
| 6:1  | 237-22      | 1    | O-Ring              | 21     | 3272-12     | 1    | Pin-Cotter                |
| 7    | 121-5601    | 1    | Tube-HYD            | 22     | 114-0403    | 1    | HYD Steering Cylinder ASM |
| 8    | 3234-33     | 2    | Screw-HHF           | 23     | 71-4740-03  | 1    | RH Tie Rod End ASM        |
| 9    | 3234-36     | 3    | Screw-HHF           | 23:1   |             | 1    | End-Rod, Tie (RH) ●       |
| 10   | 104-8300    | 3    | Nut-HF, NI          | 23:1:1 | 105-7941    | 1    | Nut-Hex, Slotted          |
| 11   | 56-7973     | 6    | Clamp-Tube          | 23:1:2 | 105-7835    | 1    | Seal                      |
| 12   | 86-3010     | 1    | Filter-Oil          | 23:1:3 | 302-5       | 1    | Fitting-Grease            |
| 13   | 117-5820    | 1    | Head-Filter         | 24     | 106-6774    | 1    | Joint-Ball                |
| 14   | 100-4240    | 2    | Fitting-STR         | 25     | 32151-104   | 1    | Ring-Retaining, External  |
| 14:1 | 237-30      | 1    | O-Ring              | 26     | 3220-6      | 2    | Nut-Jam                   |
| 14:2 | 237-81      | 1    | O-Ring              | 27     | 84-5300     | 1    | Nut-Jam                   |

● Not serviced separately

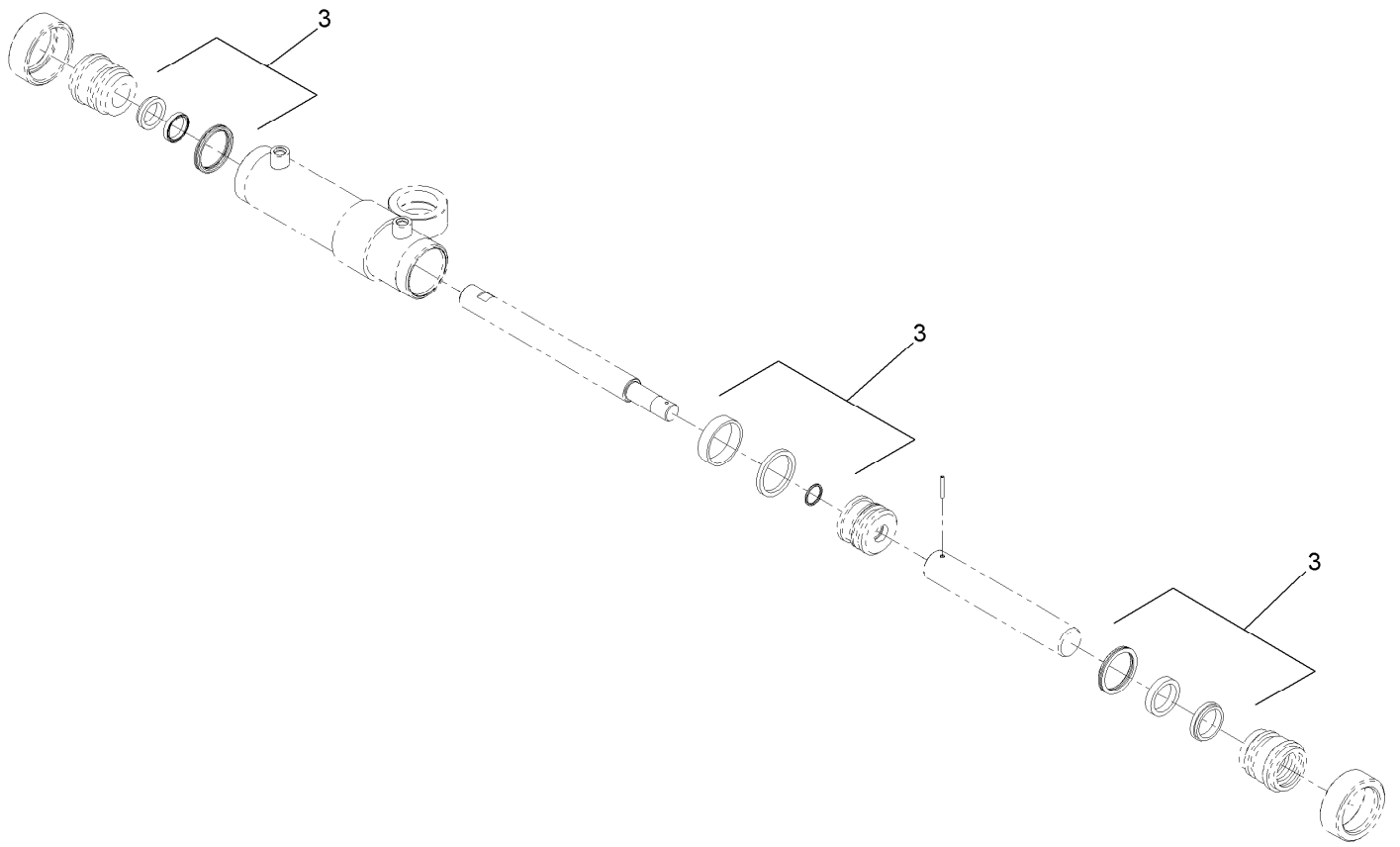


## Steering Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 28   | 340-132     | 2    | Fitting-Elbow, 90 DEG  |
| 28:1 | 237-78      | 1    | O-Ring                 |
| 28:2 | 237-21      | 1    | O-Ring                 |
| 29   | 110-0973    | 1    | Hose-HYD               |
| 30   | 302-40      | 1    | Fitting-Grease, 90 DEG |

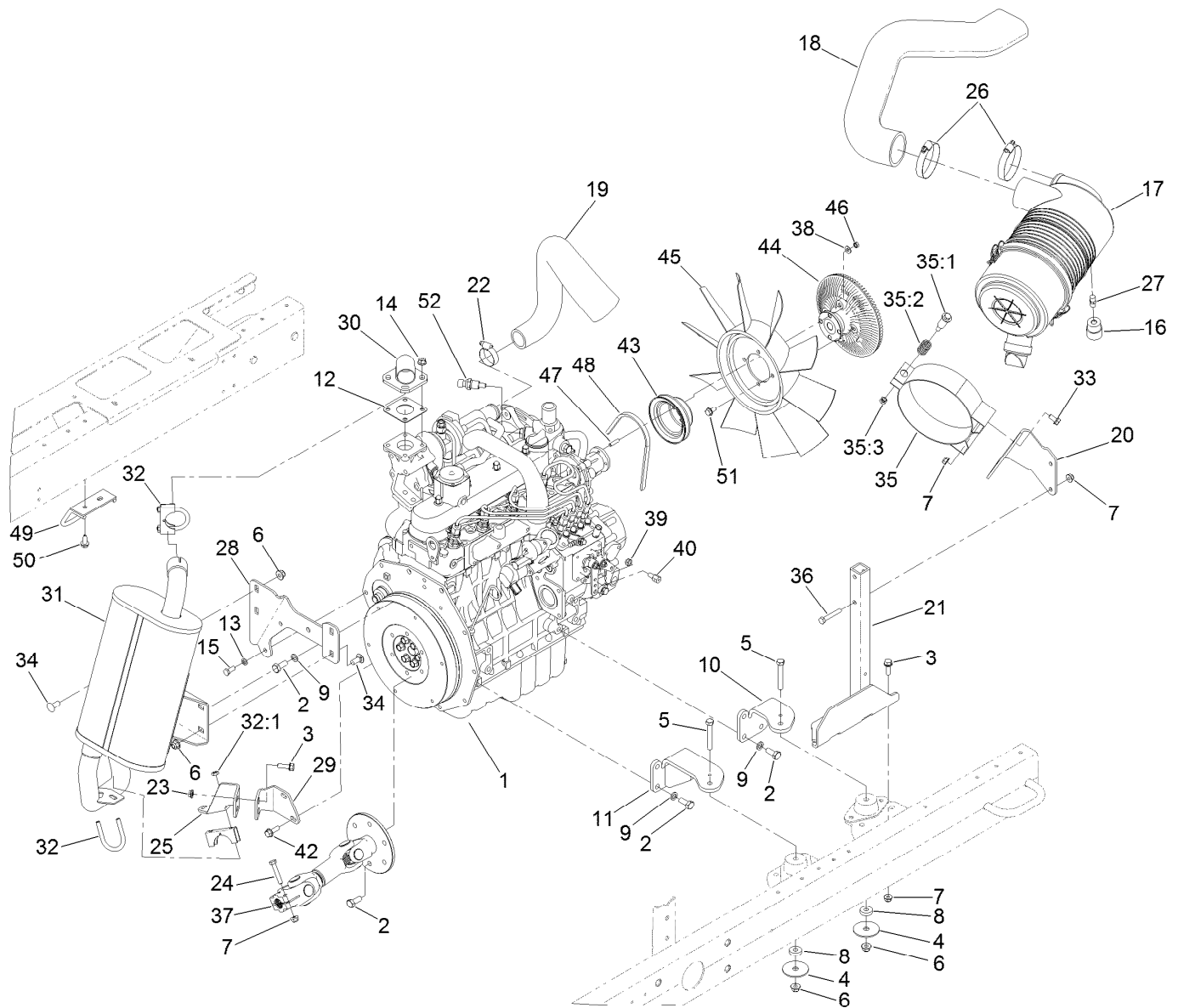
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 31   | 3290-378    | 2    | Tie-Cable          |
| 32   | 59-7410     | 1    | Fitting-Diagnostic |
| 32:1 | 237-42      | 1    | O-Ring             |
| 33   | 354-79      | 1    | Cap-Dust           |

● Not serviced separately



## Hydraulic Cylinder Assembly No. 114-0403

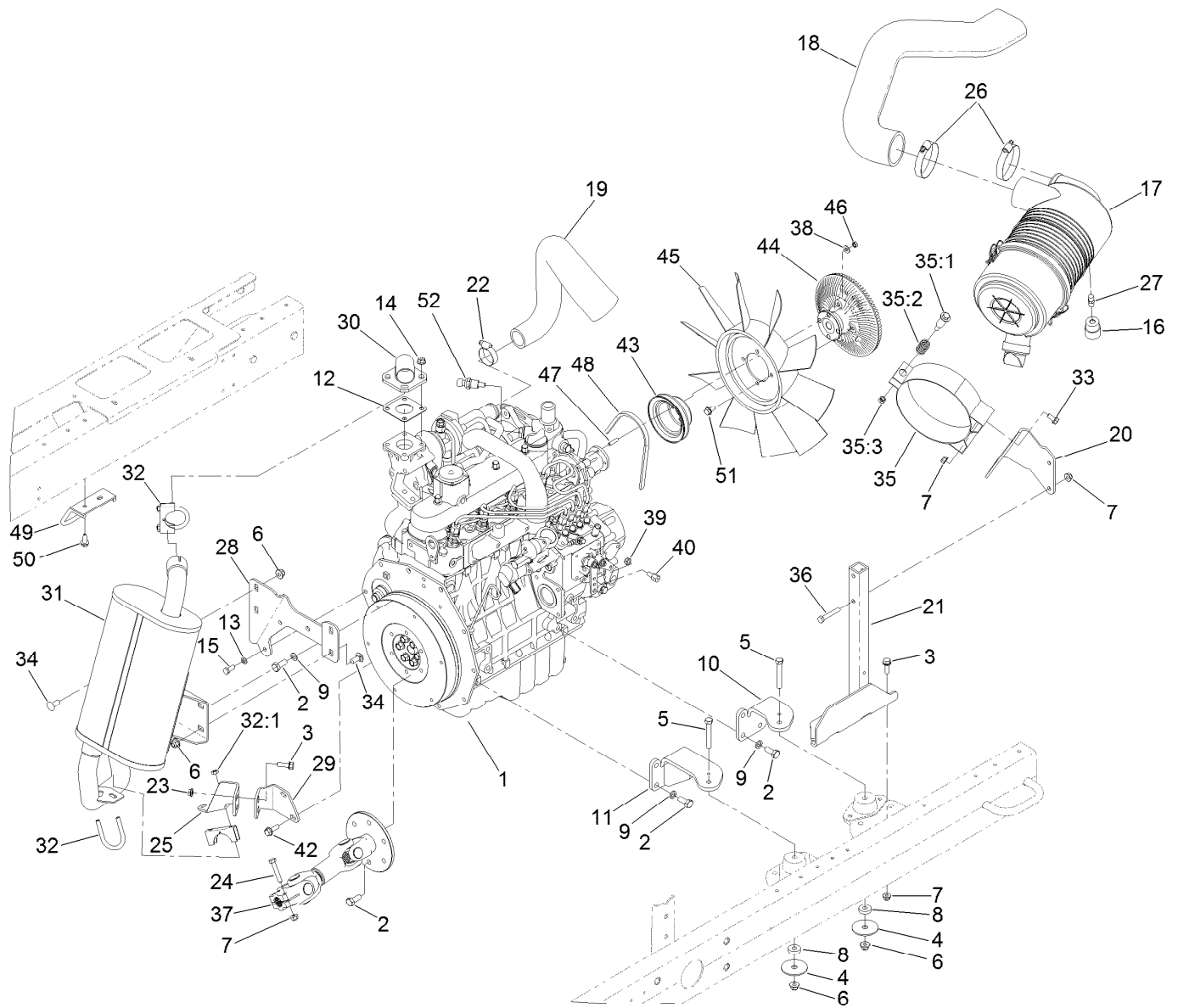
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 3           | 114-0404           | 1           | Cylinder Repair Kit |



## Engine, Muffler and Air Cleaner Assembly

| Ref. | Part Number | Qty. | Description           | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|-----------------------|------|-------------|------|--------------------------|
| 1    | 125-2169    | 1    | Engine-Kubota, V1505T | 22   | 2412-3      | 1    | Clamp-Hose               |
| 2    | 43-0090     | 19   | Screw-HH              | 23   | 32128-20    | 2    | Nut-HF                   |
| 3    | 3234-29     | 5    | Screw-HHF             | 24   | 322-9       | 2    | Screw-HH                 |
| 4    | 87-5100     | 4    | Washer-Snubbing       | 25   | 117-0286    | 1    | Bracket-Tailpipe         |
| 5    | 323-12      | 4    | Screw-HH              | 26   | 2412-125    | 2    | Clamp-Hose               |
| 6    | 104-8301    | 8    | Nut-HF, NI            | 27   | 94-1416     | 1    | Adapter-Indicator        |
| 7    | 104-8300    | 9    | Nut-HF, NI            | 28   | 108-1785-03 | 1    | Bracket-Support, Muffler |
| 8    | 62-6660     | 4    | Spacer                | 29   | 117-0288    | 1    | Bracket-Tailpipe         |
| 9    | 48-9590     | 13   | Washer-Lock           | 30   | 108-1783    | 1    | Header ASM               |
| 10   | 115-8066-03 | 2    | Mount-Engine          | 31   | 108-7643    | 1    | Muffler                  |
| 11   | 120-3812-03 | 2    | Mount-Engine          | 32   | 2112-9      | 2    | Clamp                    |
| 12   | 99-8343     | 1    | Gasket-Muffler        | 32:1 | 32128-20    | 2    | Nut-HF                   |
| 13   | 3253-4      | 2    | Washer-Lock           | 33   | 3234-14     | 2    | Screw-HHF                |
| 14   | 104-2612    | 4    | Nut-HF                | 34   | 3231-27     | 4    | Screw-CARR               |
| 15   | 33114-020   | 2    | Screw-HH              | 35   | 93-7486     | 1    | Clamp ASM                |
| 16   | 93-9164     | 1    | Indicator-Mini        | 35:1 | 94-3653     | 1    | Bolt                     |
| 17   | 110-8917    | 1    | Air Cleaner ASM       | 35:2 | 94-3654     | 1    | Spring                   |
| 18   | 110-8944    | 1    | Hose-Formed           | 35:3 | 48-9510     | 1    | Nut                      |
| 19   | 117-8061    | 1    | Hose-Turbo            | 36   | 322-10      | 2    | Screw-HH                 |
| 20   | 110-8981-03 | 1    | Bracket-Mounting      | 37   | 108-1641    | 1    | Driveshaft ASM           |
| 21   | 121-5611-03 | 1    | Stand-Air Cleaner     | 38   | 3256-22     | 4    | Washer-Flat              |

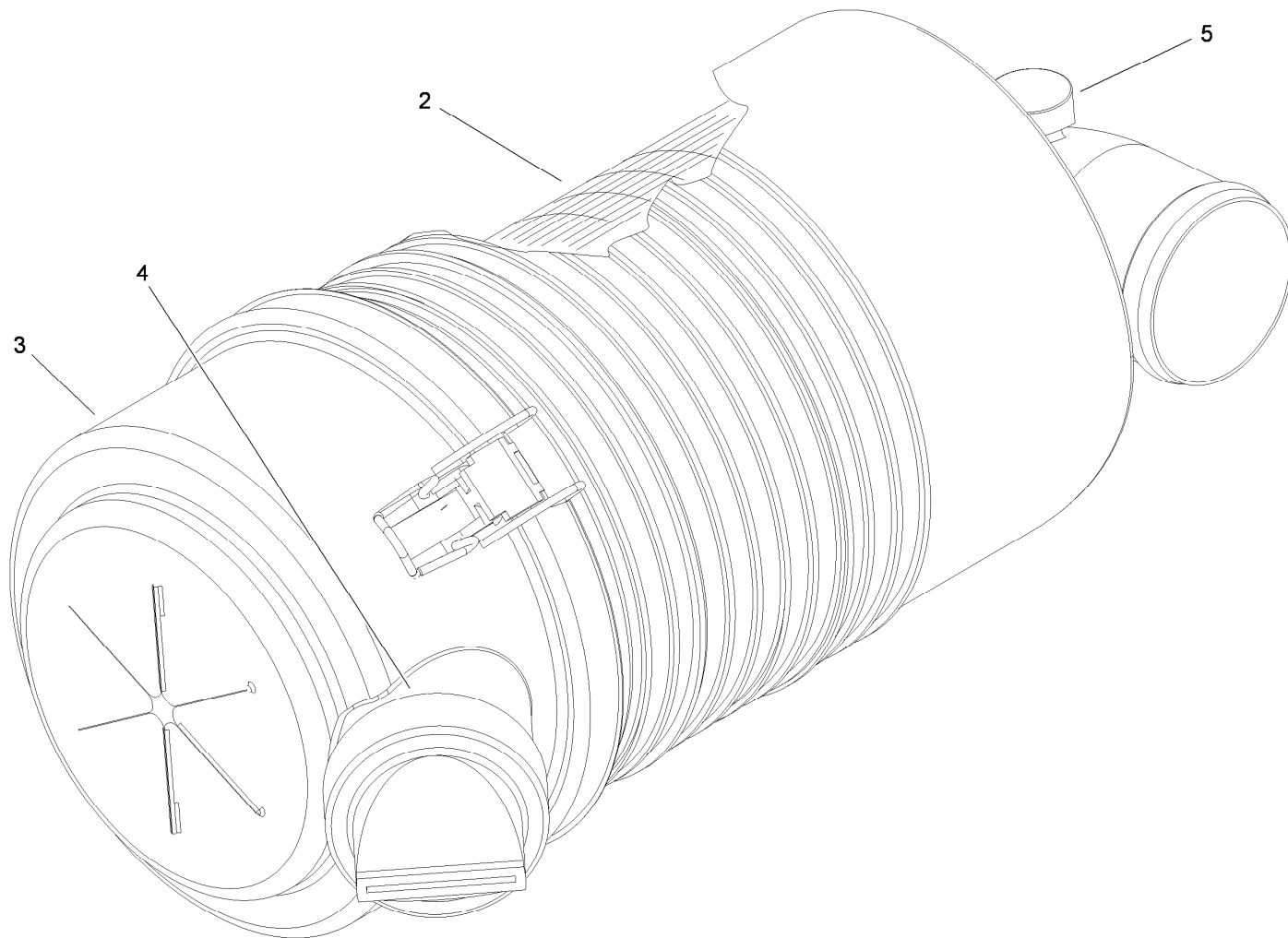




## Engine, Muffler and Air Cleaner Assembly (continued)

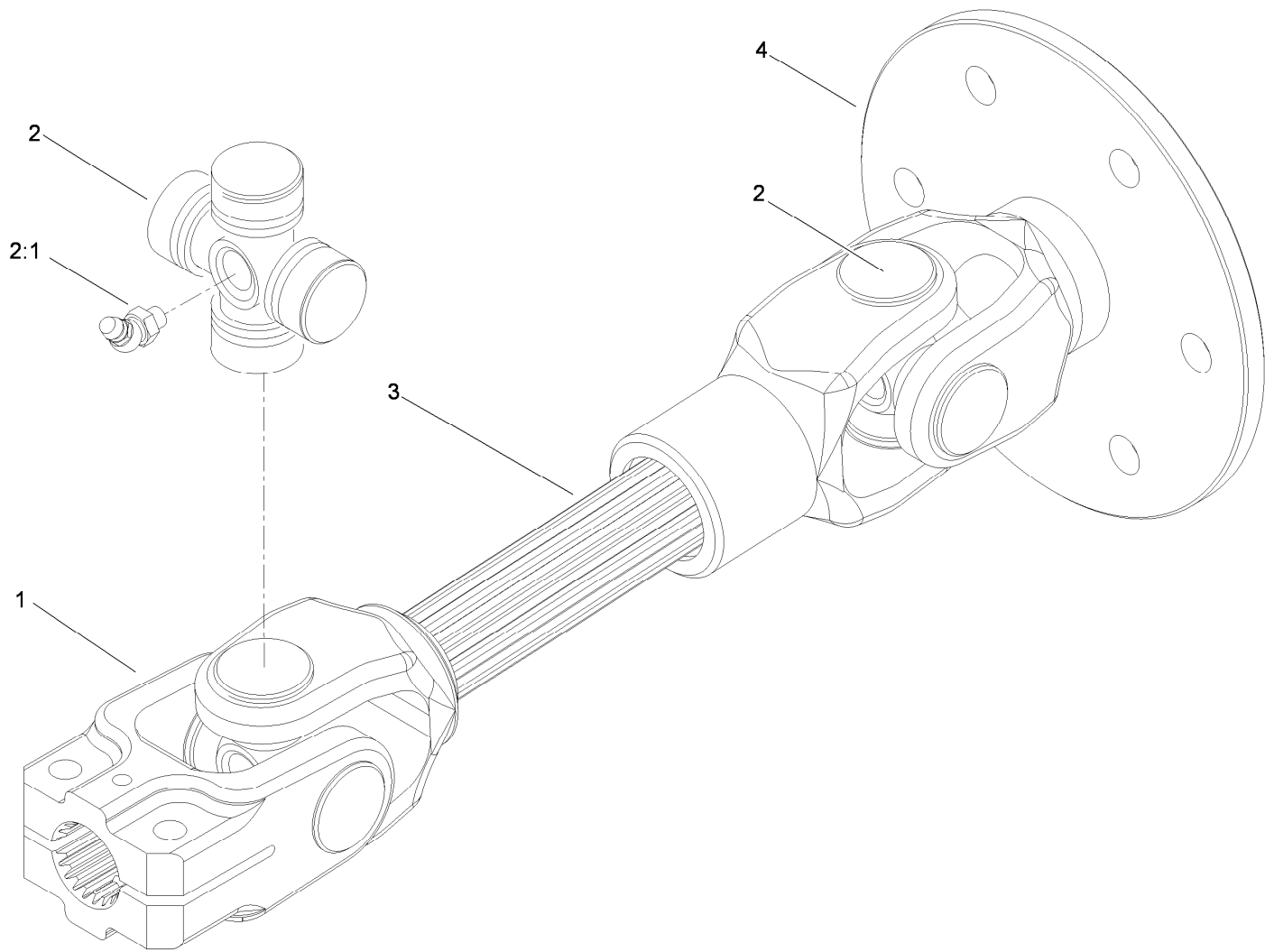
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 39   | 3296-20     | 1    | Nut-Lock, NI    |
| 40   | 98-9311     | 1    | Swivel-Throttle |
| 42   | 33104-025   | 2    | Screw-HHF       |
| 43   | 110-0972    | 1    | Pulley          |
| 44   | 117-8972    | 1    | Fan Clutch ASM  |
| 45   | 74-3650     | 1    | Fan             |
| 46   | 98-5845     | 4    | Nut-Hex         |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 47   | 104-5222    | 4    | Stud               |
| 48   | 98-9676     | 1    | V-Belt             |
| 49   | 110-8999    | 1    | Guard-Muffler      |
| 50   | 32104-32    | 2    | Screw-HWH          |
| 51   | 3234-7      | 4    | Screw-HHF          |
| 52   | 119-4478    | 1    | Sender-Temperature |



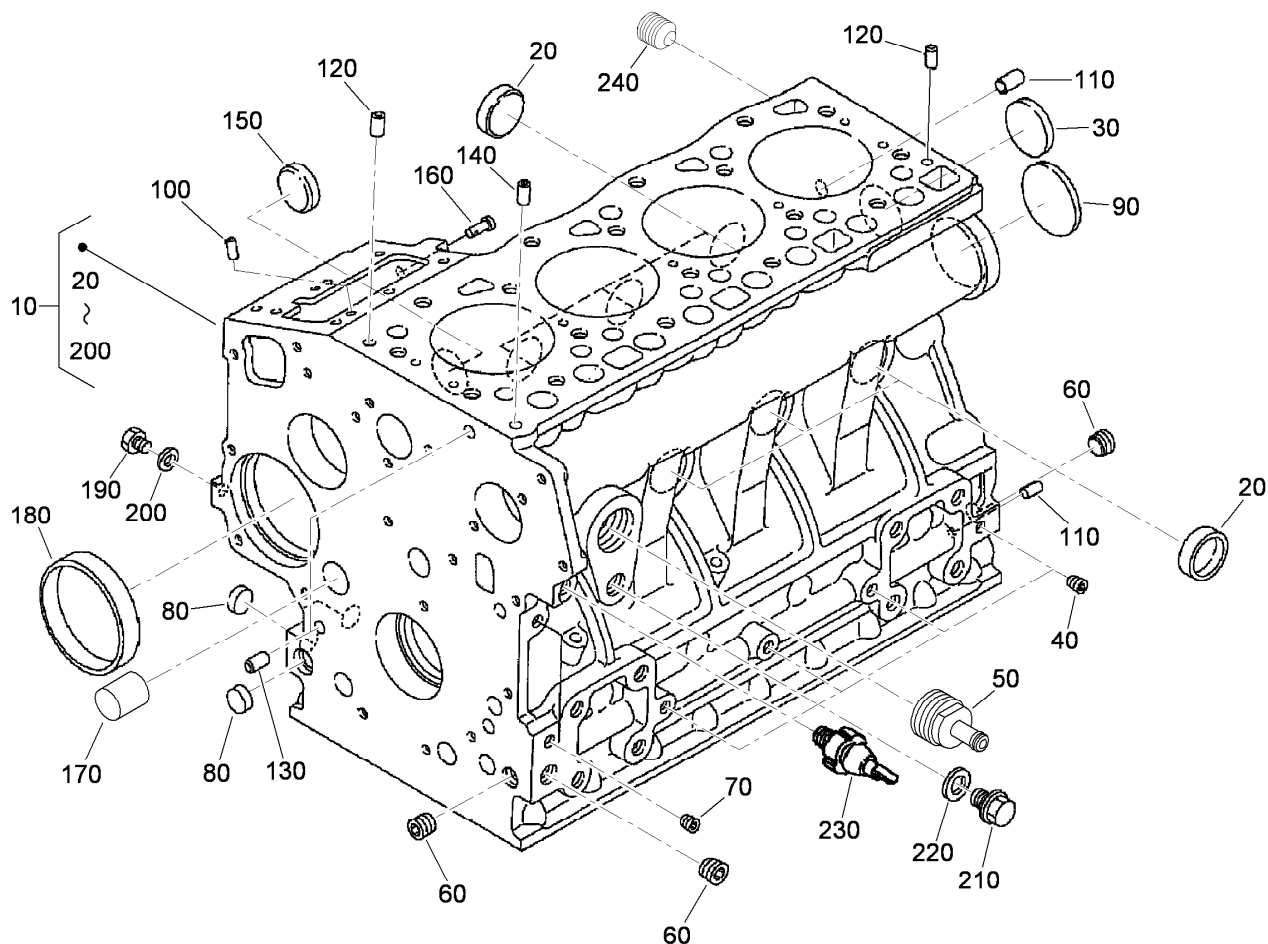
## Air Cleaner Assembly No. 110-8917

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 2           | 108-3812           | 1           | Filter-Air         |
| 3           | 93-5986            | 1           | Cover ASM          |
| 4           | 87-9400            | 1           | Valve-Vacuator     |
| 5           | 285-17             | 1           | Plug-Pipe          |



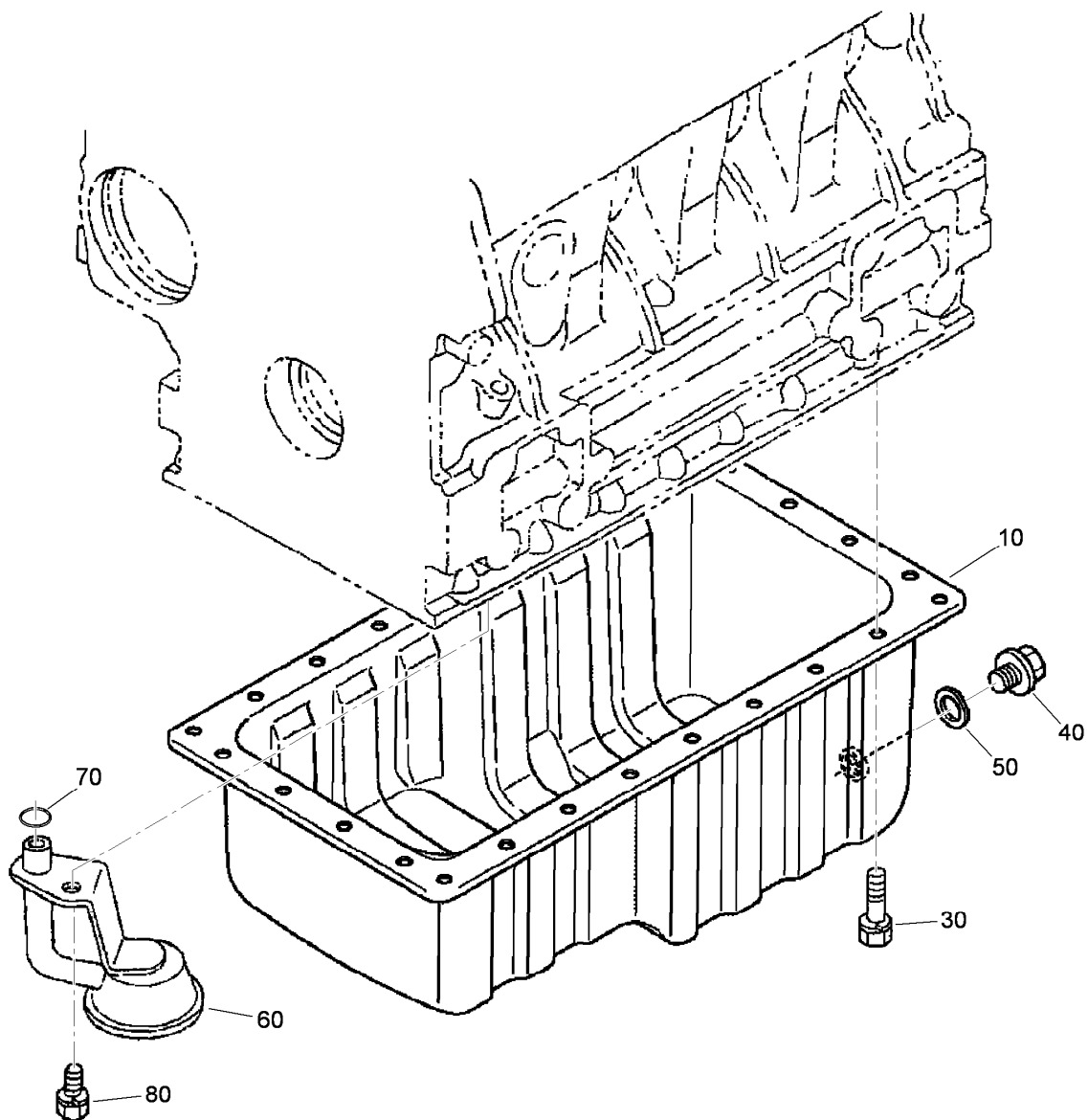
## Driveshaft Assembly No. 108-1641

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           | 54-9040            | 1           | Yoke-End            |
| 2           | 54-9180            | 2           | U-Joint Kit         |
| 2:1         | 62-3820            | 1           | Fitting-Grease      |
| 3           | 108-4574           | 1           | Joint And Shaft ASM |
| 4           | 108-4575           | 1           | Joint And Yoke ASM  |



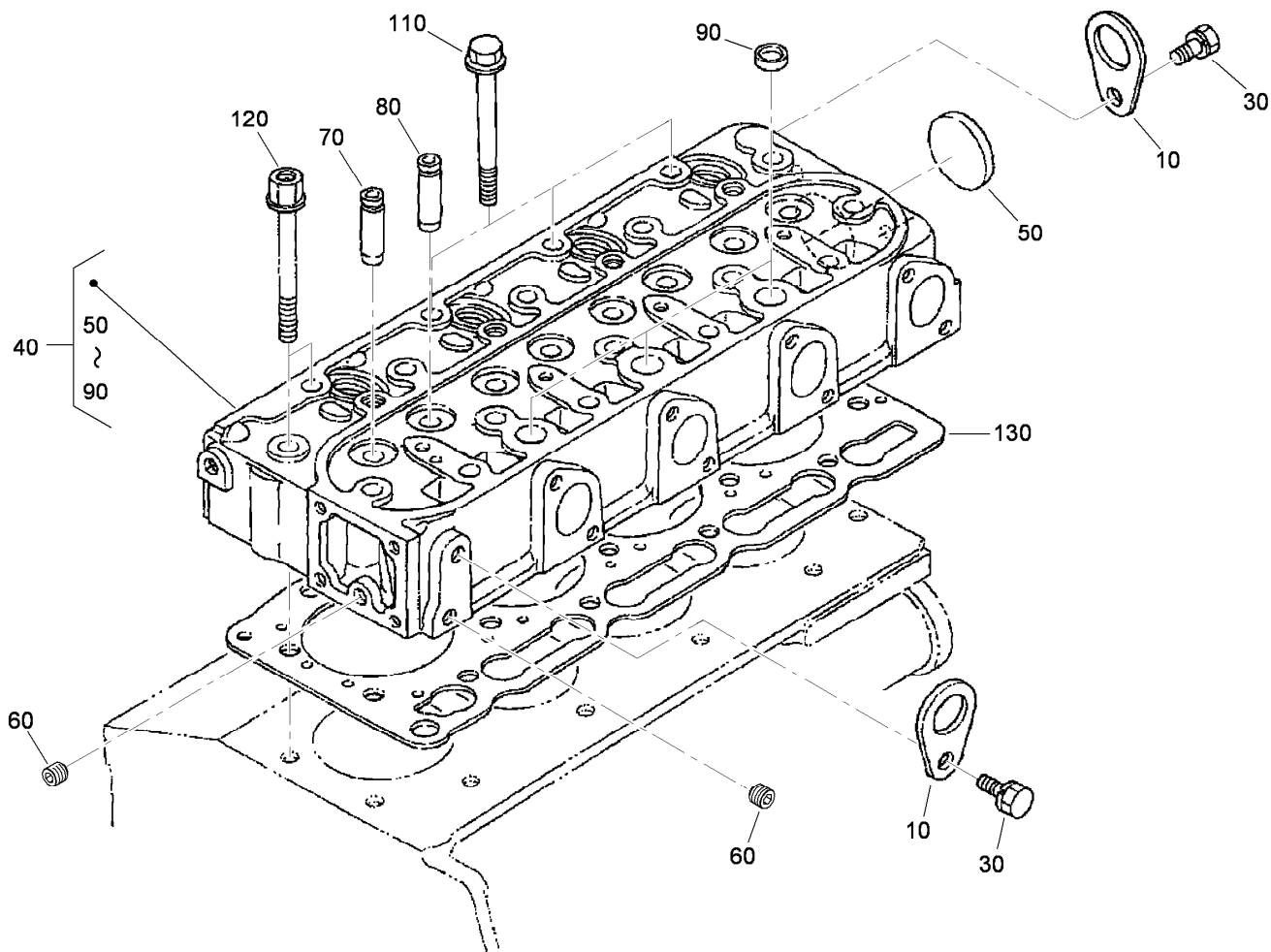
## Crankcase Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 115-4115    | 1    | Crankcase ASM          |
| 20   | 98-9398     | 6    | Cap-Sealing            |
| 30   | 98-7539     | 1    | Cap-Sealing            |
| 40   | 98-7540     | 4    | Plug                   |
| 50   | 99-8347     | 1    | Joint-Pipe, Drain      |
| 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     | 1    | Pin-Straight           |
| 110  | 98-9377     | 1    | Pin-Straight           |
| 120  | 98-9376     | 2    | Pin-Straight           |
| 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  | 98-7507     | 1    | Plug                   |
| 200  | 98-7428     | 1    | Gasket                 |
| 210  | 99-3447     | 1    | Plug                   |
| 220  | 106-7056    | 1    | Gasket                 |
| 230  | 98-9416     | 1    | Switch-Oil             |
| 240  | 98-9444     | 1    | Plug                   |



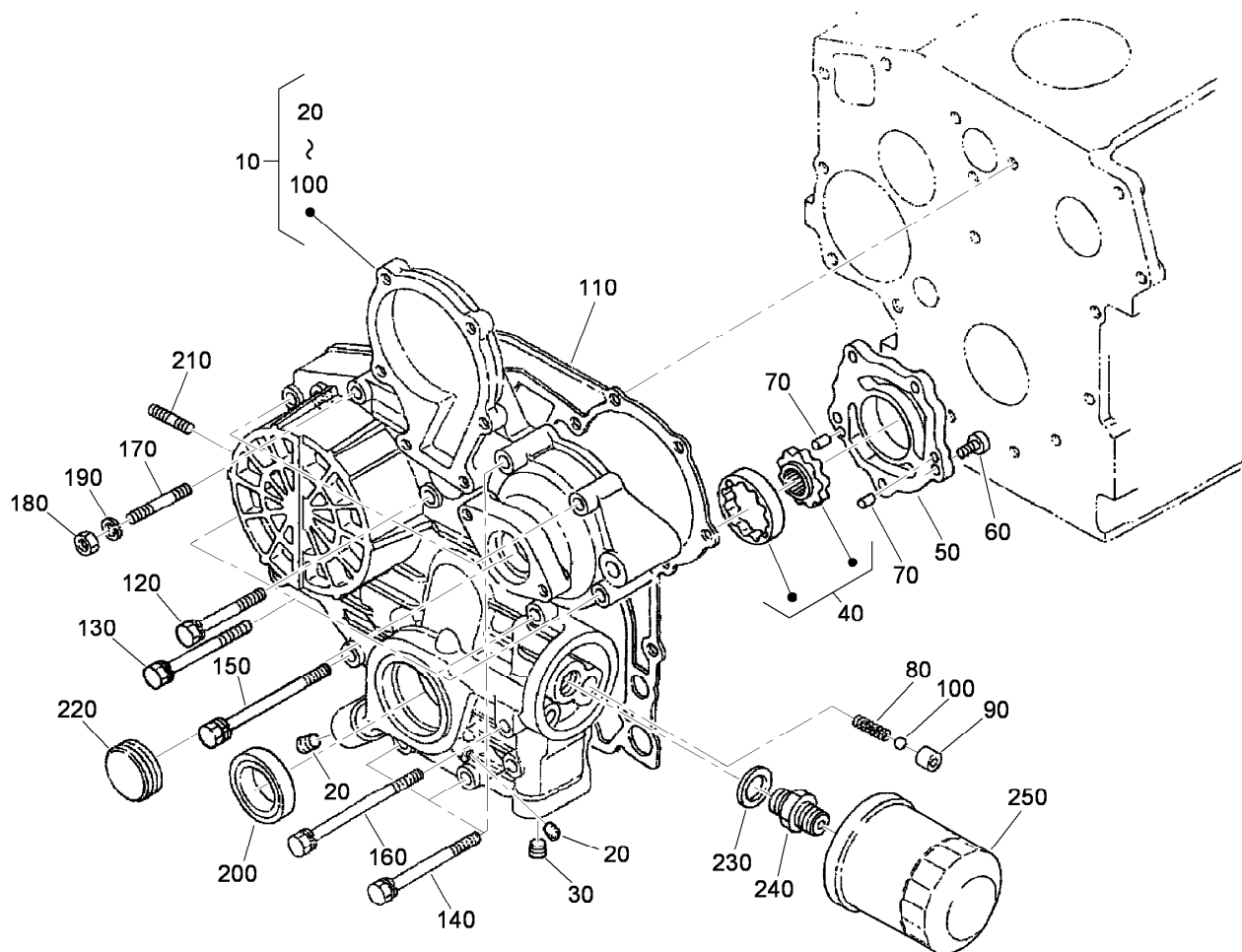
## Oil Pan Assembly

| 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

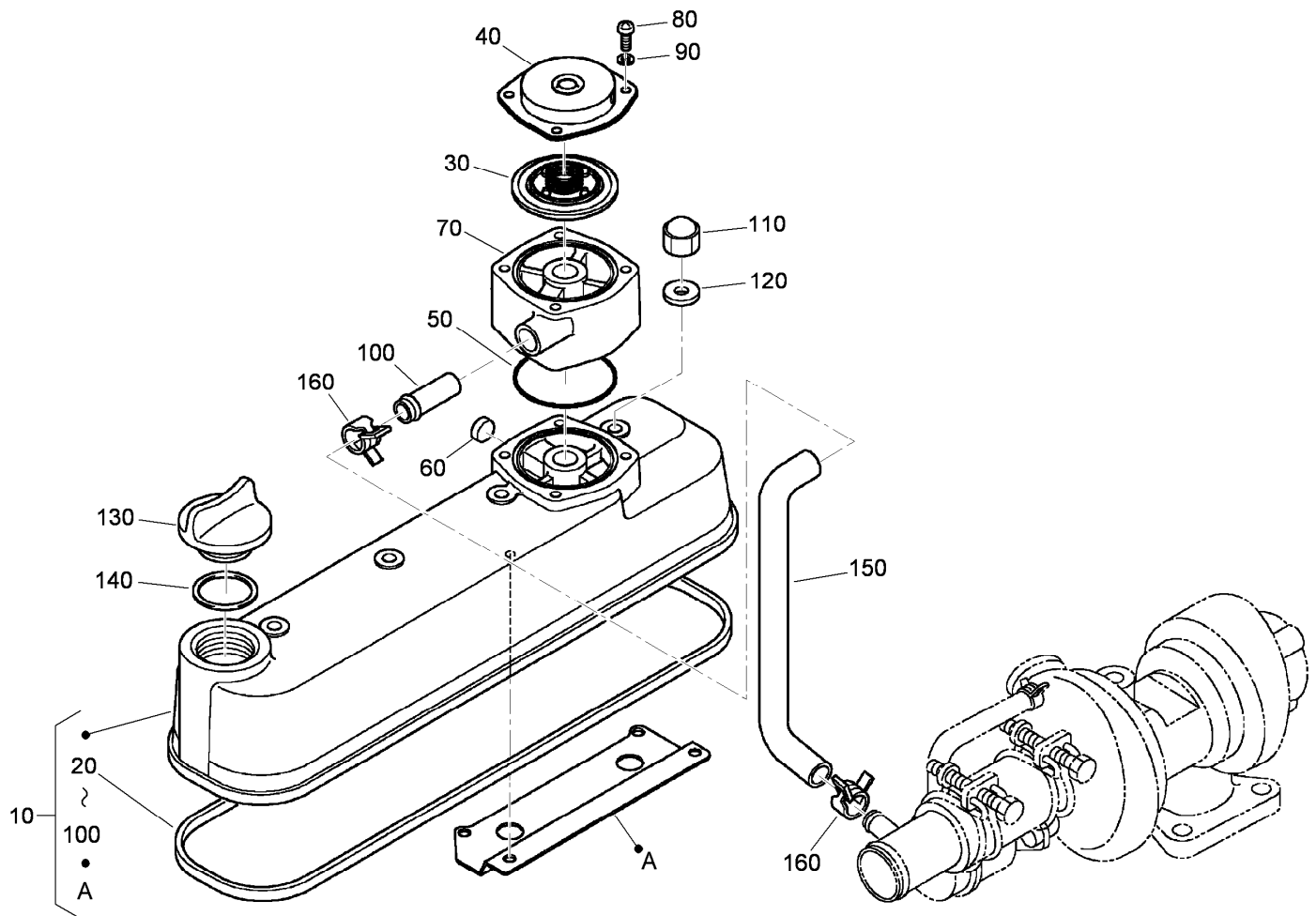
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 98-7531     | 2    | Hook-Engine           |
| 30   | 100-9195    | 2    | Bolt                  |
| 40   | 108-2854    | 1    | Cylinder Head ASM     |
| 50   | 105-3705    | 1    | Cap-Sealing           |
| 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     | 16   | Bolt-Head, Cylinder   |
| 120  | 98-9647     | 2    | Bolt-Head, Cylinder   |
| 130  | 108-2855    | 1    | Gasket-Head, Cylinder |



## Gear Case Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-4111    | 1    | Gear Case ASM      |
| 20   | 98-9598     | 5    | Plug               |
| 30   | 98-7487     | 1    | Plug               |
| 40   | 98-9540     | 1    | Oil Pump Rotor ASM |
| 50   | 107-9069    | 1    | Cover-Pump, Oil    |
| 60   | 107-9071    | 1    | Screw              |
| 70   | 107-9072    | 1    | Pin-Straight       |
| 80   | 98-9544     | 1    | Spring             |
| 90   | 98-9543     | 1    | Seat-Valve         |
| 100  | 98-9380     | 1    | Ball               |
| 110  | 98-9633     | 1    | Gasket-Case, Gear  |
| 120  | 98-7496     | 3    | Bolt               |
| 130  | 105-3797    | 4    | Bolt               |

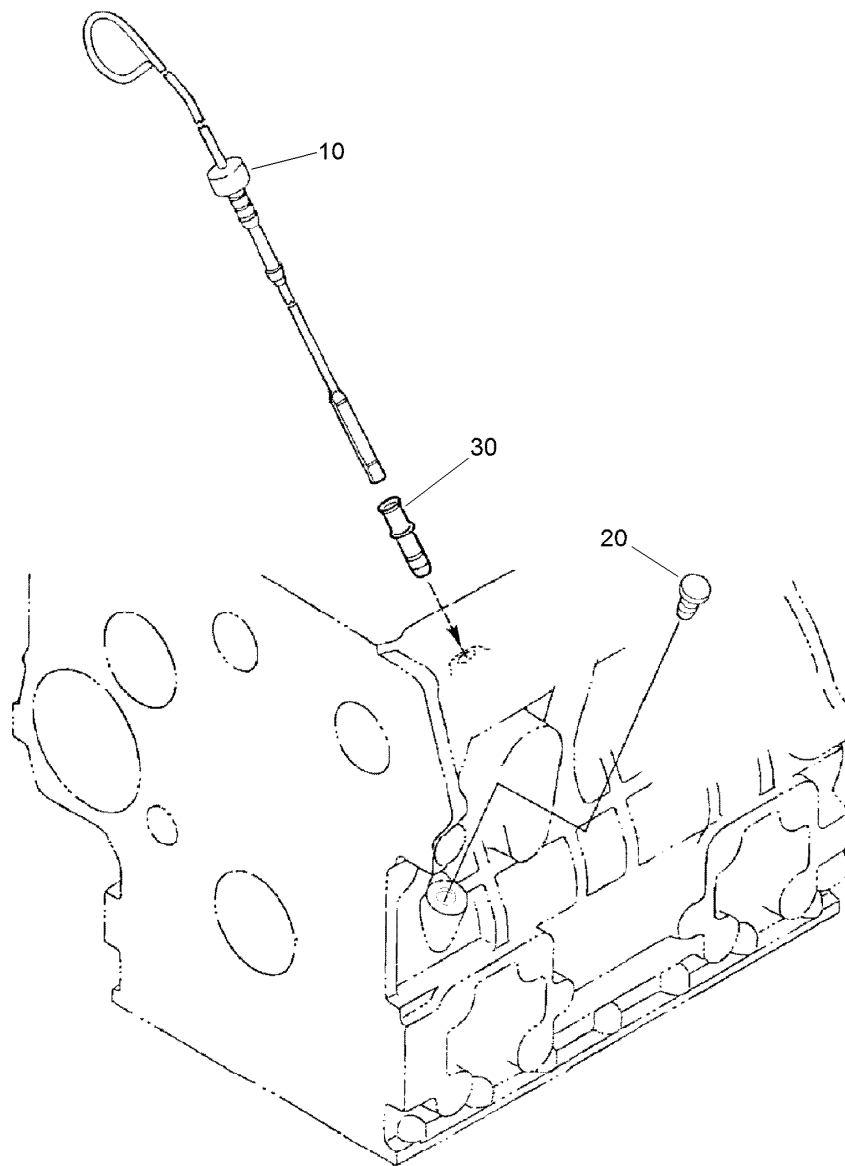
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 140  | 98-9356     | 2    | Bolt             |
| 150  | 107-9074    | 1    | Bolt             |
| 160  | 98-9586     | 1    | Bolt             |
| 170  | 105-3709    | 1    | Stud             |
| 180  | 98-7572     | 1    | Nut              |
| 190  | 98-7699     | 1    | Washer-Spring    |
| 200  | 98-9482     | 1    | Seal-Oil         |
| 210  | 105-3710    | 2    | Stud             |
| 220  | 98-9641     | 1    | Cover-Case, Gear |
| 230  | 98-9727     | 1    | Collar           |
| 240  | 104-5159    | 1    | Holder ASM       |
| 250  | 108-3841    | 1    | Filter-Oil       |



## Cylinder Head Cover Assembly

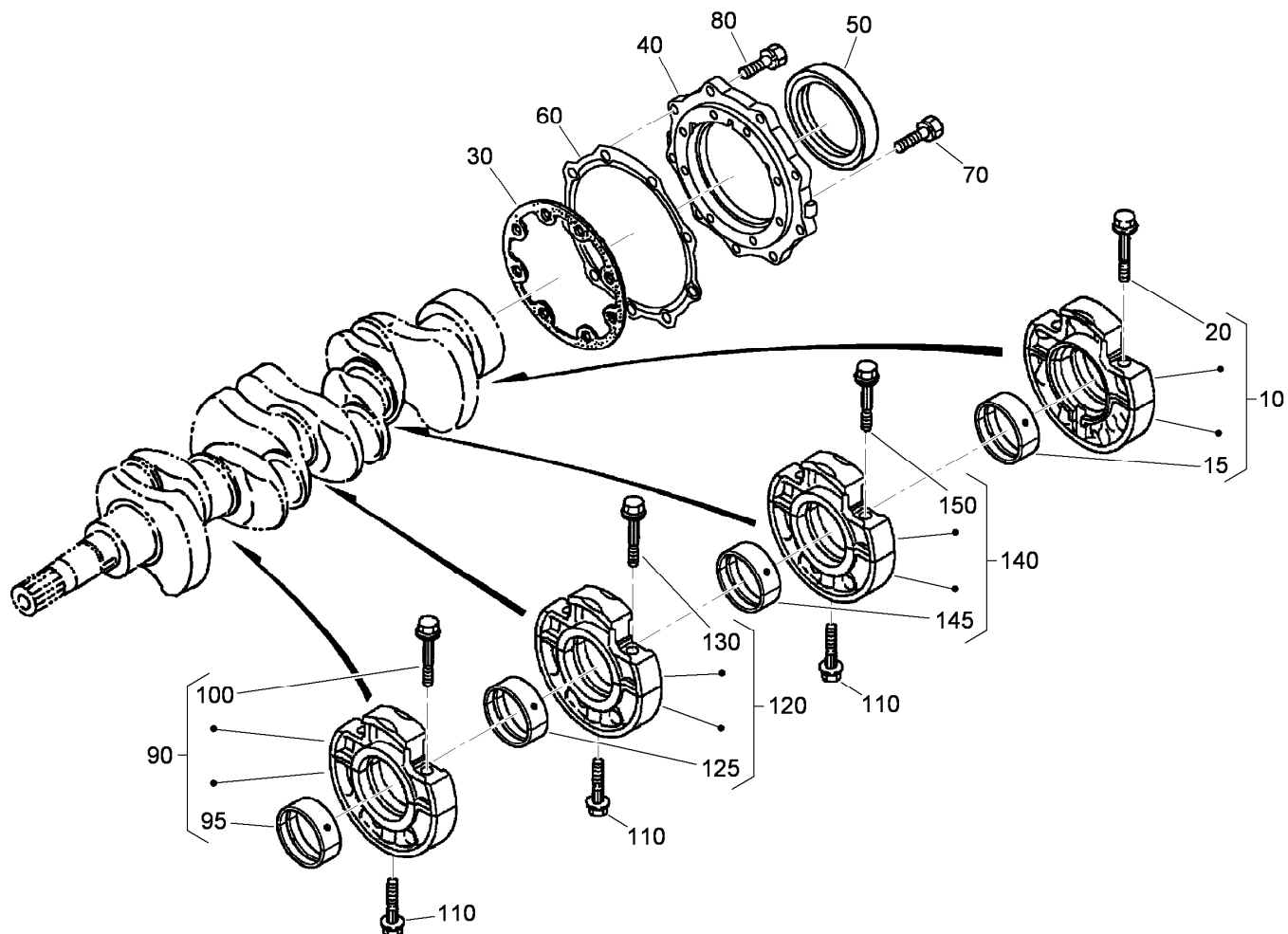
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 115-3041    | 1    | Cylinder Head Cover ASM |
| 20   | 105-3712    | 1    | Gasket-Cover, Head      |
| 30   | 110-3715    | 1    | Valve-Breather          |
| 40   | 110-3714    | 1    | Cover-Breather          |
| 50   | 110-3846    | 1    | O Ring-Breather         |
| 60   | 115-3042    | 1    | Cap-Sealing             |
| 70   | 115-3043    | 1    | Spacer-Breather         |
| 80   | 115-3044    | 4    | Screw-Pan Head          |
| 90   | 100-2204    | 4    | Washer-Spring           |
| 100  | 98-7766     | 1    | Pipe-Return, Water      |
| 110  | 98-9455     | 4    | Nut-Cap                 |
| 120  | 98-9454     | 4    | Gasket                  |
| 130  | 107-9075    | 1    | Plug-Filler, Oil        |
| 140  | 99-3446     | 1    | O-Ring                  |
| 150  | 115-4119    | 1    | Tube-Breather, Turbo    |
| 160  | 108-2859    | 2    | Clamp-Hose              |





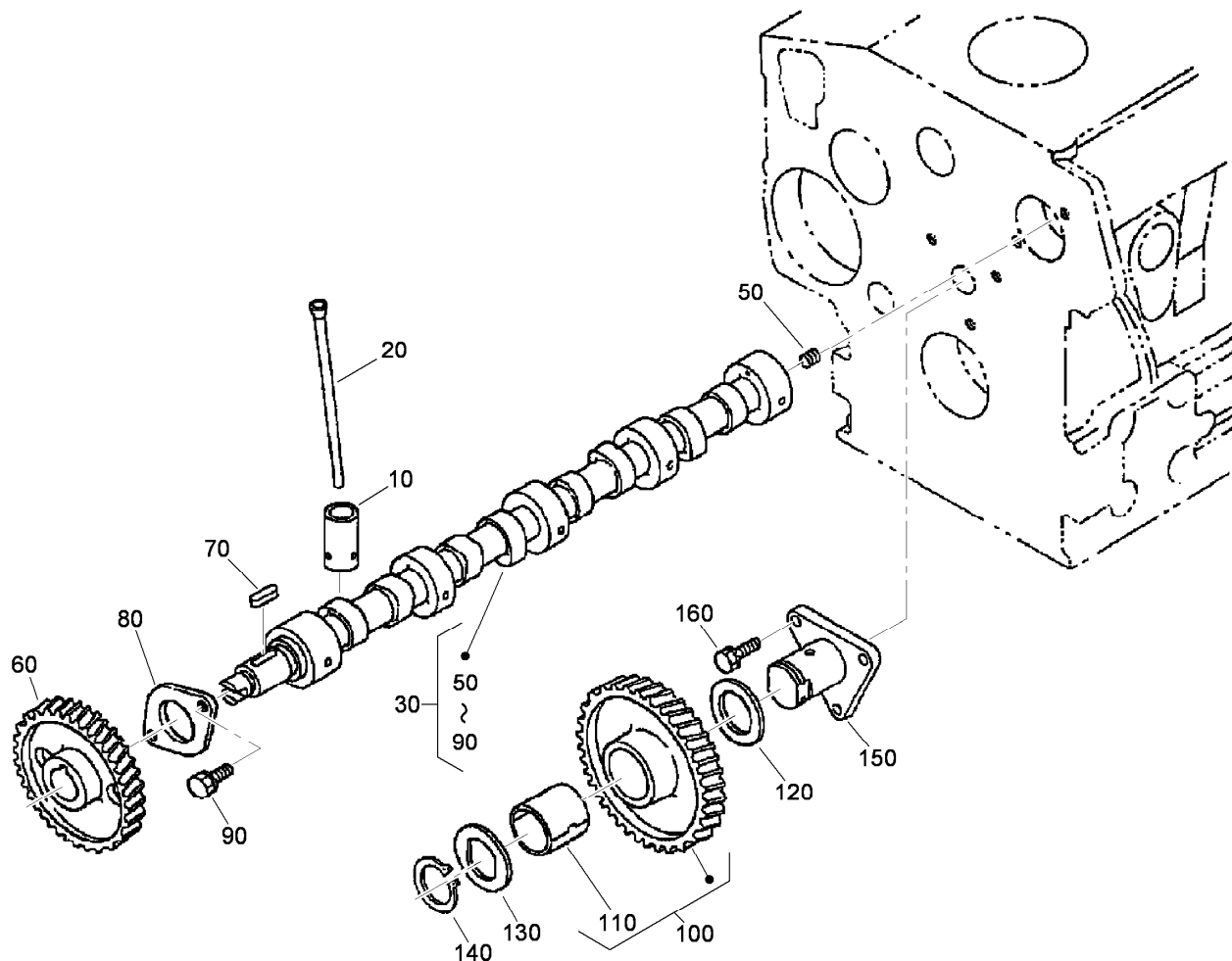
## Dipstick and Guide Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 105-3714           | 1           | Gauge-Oil          |
| 20          | 110-3720           | 1           | Plug-Gauge, Oil    |
| 30          | 105-4580           | 1           | Guide-Gauge, Oil   |



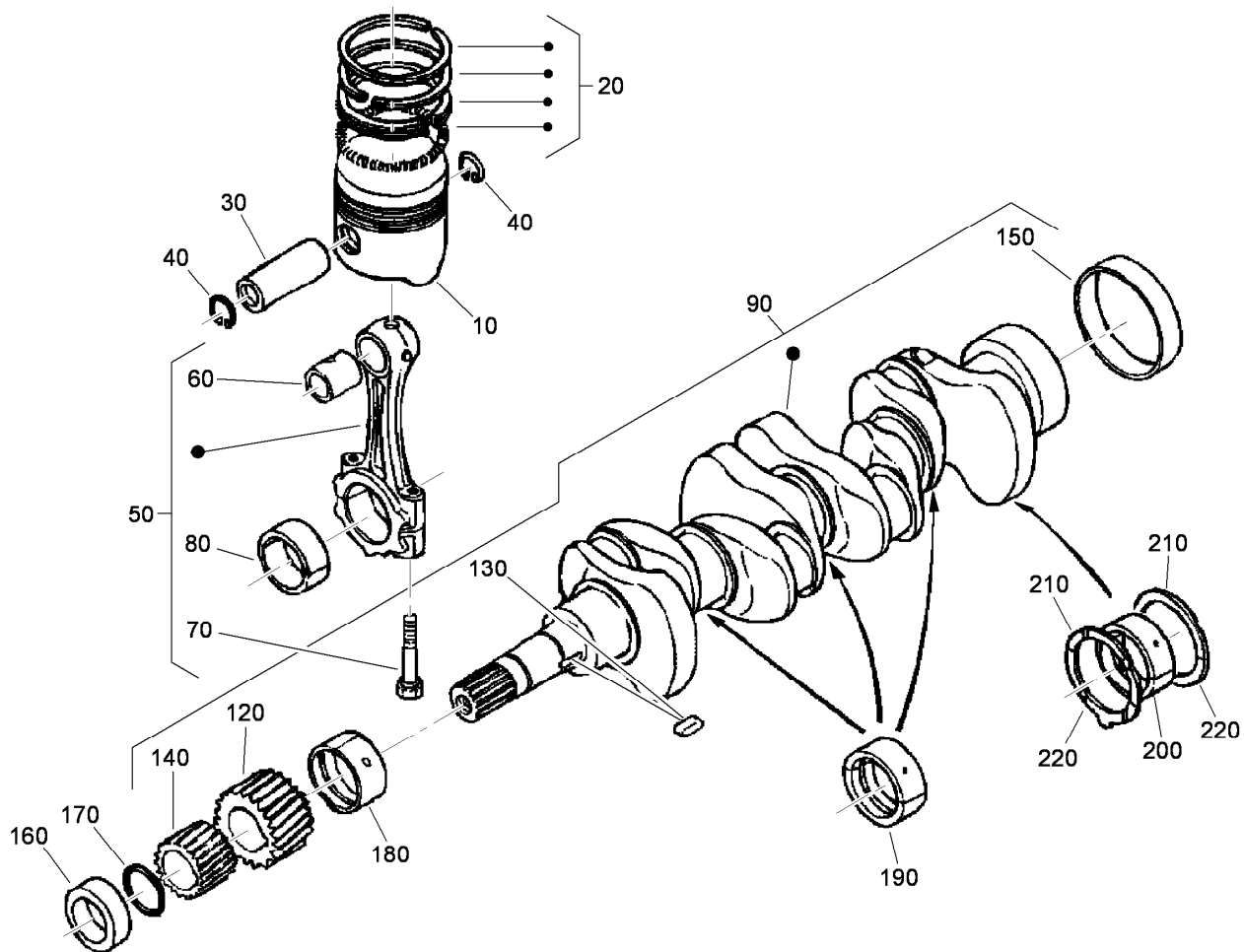
## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 112-7026    | 1    | Wheel Bearing Case ASM |
| 15   | 112-7045    | 1    | Metal-Crankshaft       |
| 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   | 112-7028    | 1    | Bearing ASM            |
| 95   | 112-7011    | 1    | Bearing-Main (STD)     |
| 100  | 98-9484     | 2    | Bolt-Case, Bearing     |
| 110  | 98-9485     | 3    | Bolt-Case, Bearing     |
| 120  | 112-7027    | 1    | Bearing ASM            |
| 125  | 112-7011    | 1    | Bearing-Main (STD)     |
| 130  | 98-9484     | 2    | Bolt-Case, Bearing     |
| 140  | 115-4120    | 1    | Bearing Case ASM       |
| 145  | 112-7011    | 1    | Bearing-Main (STD)     |
| 150  | 98-9484     | 2    | Bolt-Case, Bearing     |



## Cam Shaft and Idle Gear Shaft Assembly

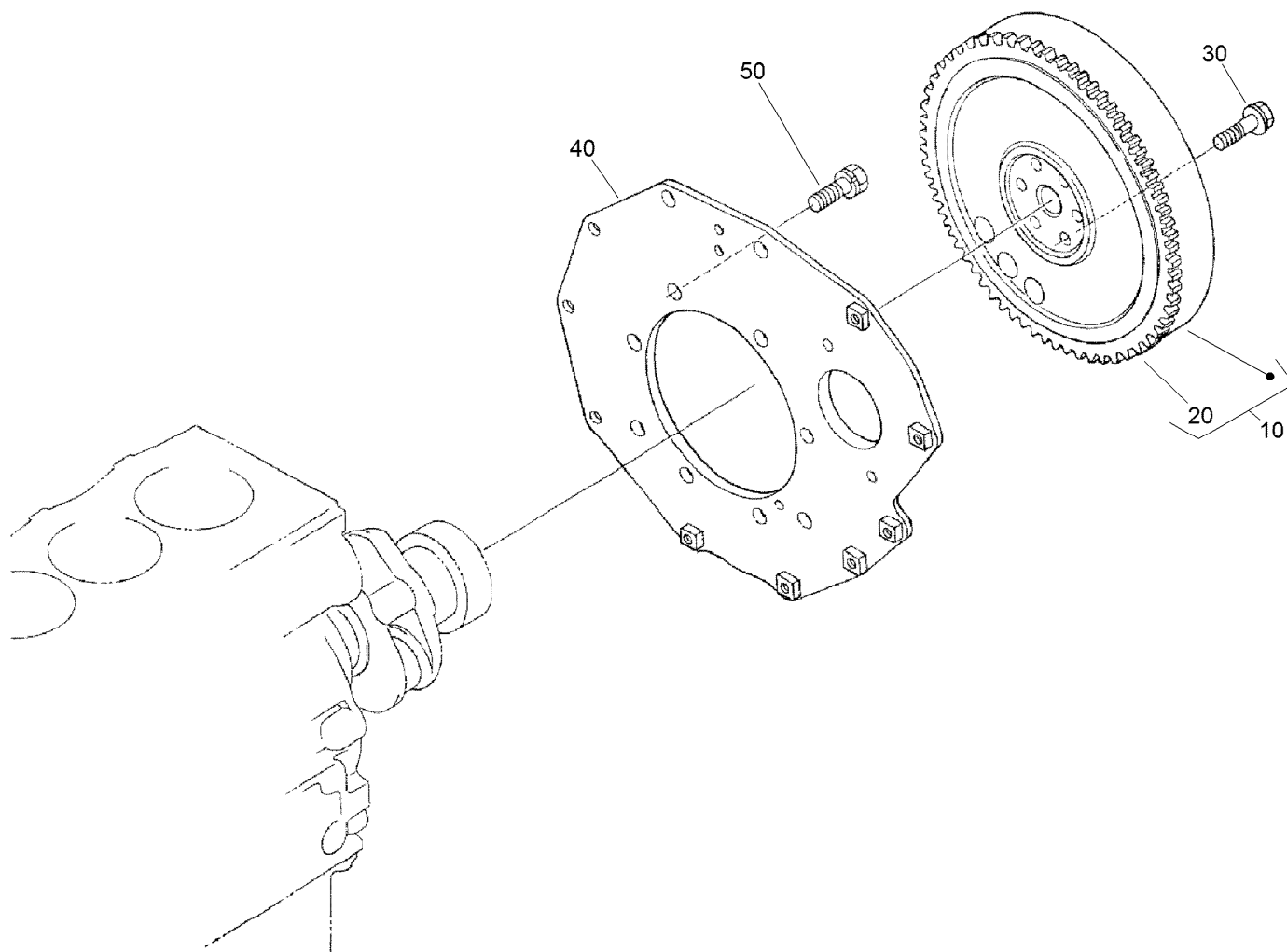
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 112-0185    | 8    | Tappet             |
| 20   | 98-9509     | 8    | Rod-Push           |
| 30   | 112-8402    | 1    | Camshaft ASM       |
| 50   | 98-7449     | 1    | Screw-Set          |
| 60   | 98-9512     | 1    | Gear-Cam           |
| 70   | 98-9378     | 1    | Key-Feather        |
| 80   | 98-9510     | 1    | Stopper-Camshaft   |
| 90   | 98-7692     | 2    | Bolt               |
| 100  | 98-9649     | 1    | Idle Gear ASM      |
| 110  | 98-9650     | 1    | Bushing-Gear, Idle |
| 120  | 98-9535     | 1    | Collar-Gear, Idle  |
| 130  | 98-9536     | 1    | Collar-Gear, Idle  |
| 140  | 98-9534     | 1    | Circlip-Gear, Idle |
| 150  | 98-9533     | 1    | Shaft-Gear, Idle   |
| 160  | 98-7692     | 3    | Bolt               |



## Piston and Crankshaft Assembly

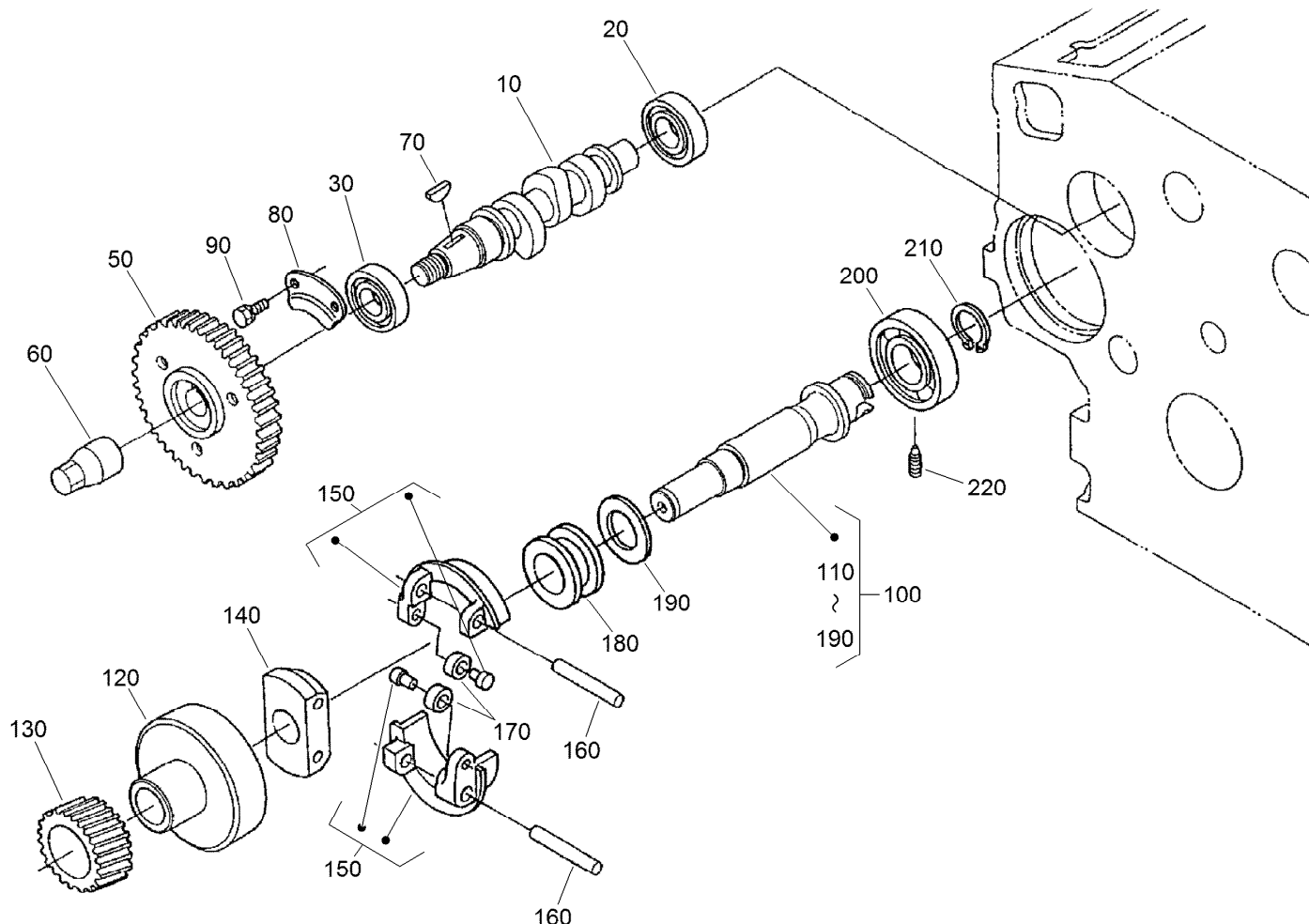
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 98-9550     | 4    | Piston (STD)             |
| 10   | 108-1417    | 4    | Piston (+0.5MM)          |
| 20   | 98-9551     | 4    | Piston Ring ASM (STD)    |
| 20   | 108-1404    | 4    | Piston Ring ASM (+0.5MM) |
| 30   | 98-9513     | 4    | Pin-Piston               |
| 40   | 98-9514     | 8    | Circlip-Pin, Piston      |
| 50   | 98-9552     | 4    | Connecting Rod ASM       |
| 60   | 115-3014    | 4    | Bushing-Pin, Piston      |
| 70   | 98-9517     | 8    | Bolt-Rod, Connecting     |
| 80   | 98-9553     | 4    | Bearing-Rod (STD)        |
| 80   | 108-1405    | 4    | Metal-Crankpin (-0.2MM)  |
| 80   | 108-1406    | 4    | Metal-Crankpin (-0.4MM)  |
| 90   | 105-3718    | 1    | Crankshaft ASM           |
| 120  | 98-9532     | 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  | 112-7005    | 1    | Bearing-Main (STD)        |
| 180  | 112-7009    | 1    | Metal-Crankpin (-0.2MM)   |
| 180  | 112-7010    | 1    | Metal-Crankpin (-0.4MM)   |
| 190  | 112-7011    | 3    | Bearing-Main (STD)        |
| 190  | 112-7012    | 3    | Metal-Crankpin (-0.2MM)   |
| 190  | 112-7013    | 3    | Metal-Crankpin (-0.4MM)   |
| 200  | 112-7006    | 1    | Bearing-Main (STD)        |
| 200  | 112-7007    | 1    | Metal-Crankshaft (.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

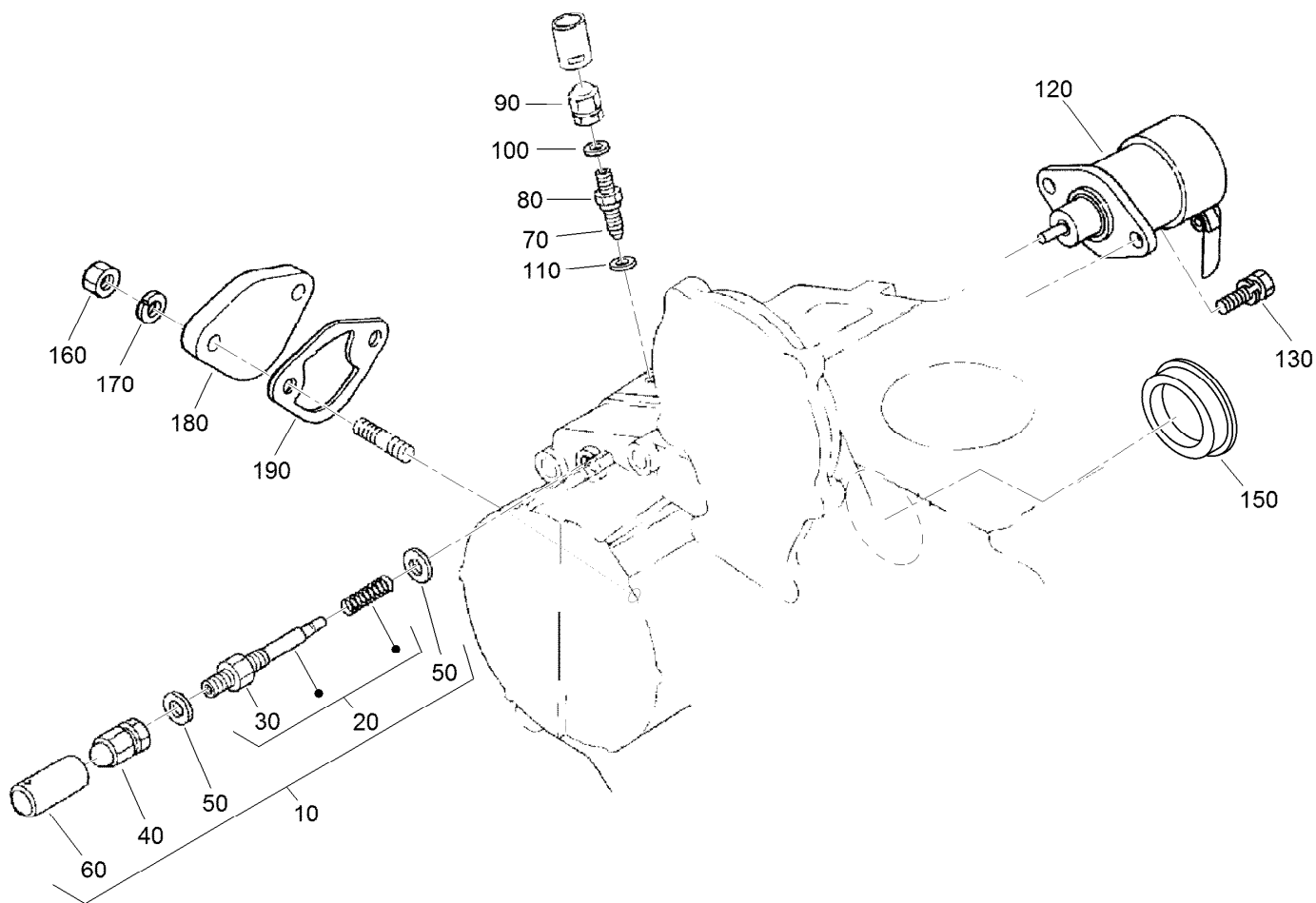
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 105-3721    | 1    | Flywheel ASM    |
| 20   | 115-3015    | 1    | Gear-Ring       |
| 30   | 98-9537     | 6    | Bolt-Flywheel   |
| 40   | 98-9486     | 1    | Plate-End, Rear |
| 50   | 98-9392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



## Fuel Camshaft and Governor Shaft Assembly

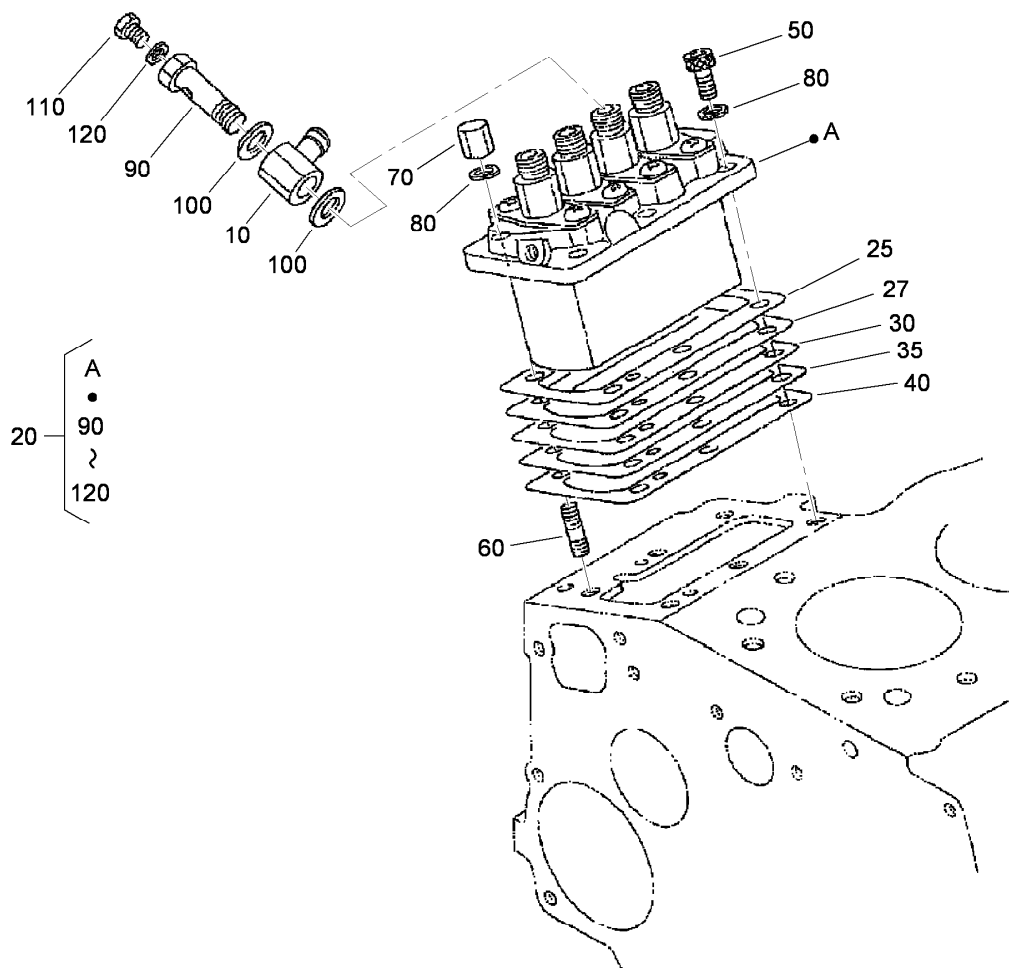
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 105-3723    | 1    | Camshaft-Fuel          |
| 20   | 107-9077    | 1    | Bearing-Ball           |
| 30   | 107-9078    | 1    | Bearing-Ball           |
| 50   | 98-9669     | 1    | 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

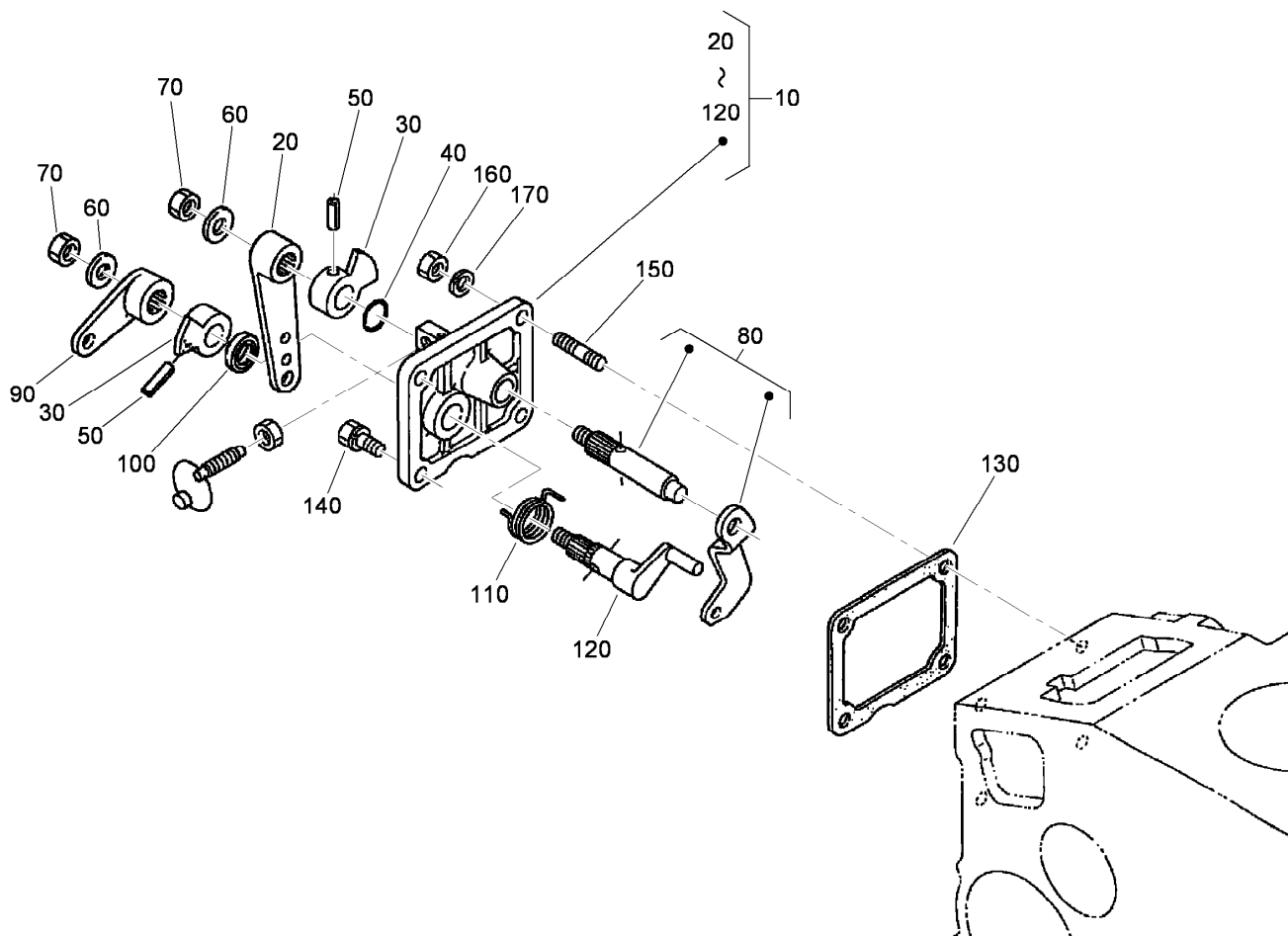
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-9678     | 1    | Idle Apparatus ASM |
| 20   | 112-7014    | 1    | Adjusting Bolt ASM |
| 30   | 98-9439     | 1    | Nut                |
| 40   | 112-0181    | 1    | Nut                |
| 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                |
| 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  | 98-7572     | 2    | Nut                |
| 170  | 98-7699     | 2    | Washer-Spring      |
| 180  | 99-3514     | 1    | Cover              |
| 190  | 98-9636     | 1    | Gasket-Pump, Fuel  |



## Injection Pump Assembly

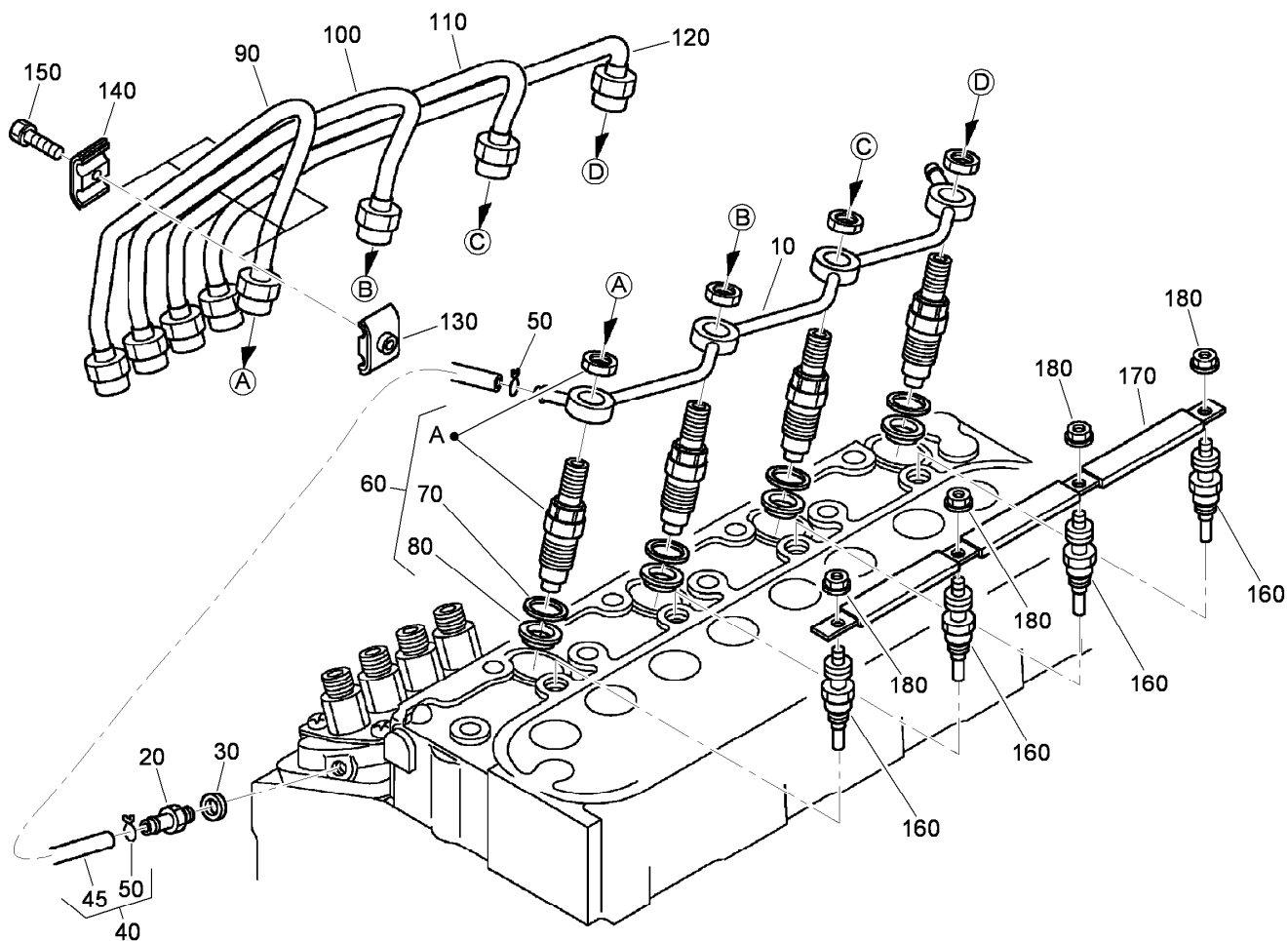
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 10   | 98-9596     | 1    | Joint-Eye                     |
| 20   | 105-3727    | 1    | Injection Pump ASM            |
| 25   | 115-3016    | 1    | Shim-Pump, Injection (.350MM) |
| 27   | 115-3017    | 1    | Shim-Pump, Injection (.175MM) |
| 30   | 105-3728    | 1    | Shim-Pump, Injection (.20MM)  |
| 35   | 105-3729    | 1    | Shim-Pump, Injection (.25MM)  |
| 40   | 105-3730    | 1    | Shim-Pump, Injection (.30MM)  |
| 50   | 98-9361     | 3    | Bolt-HSH                      |
| 60   | 98-9438     | 3    | Stud                          |
| 70   | 98-9440     | 3    | Nut-Cap                       |
| 80   | 98-7699     | 6    | Washer-Spring                 |
| 90   | 98-9464     | 1    | Bolt-Joint                    |
| 100  | 98-9445     | 2    | Gasket                        |
| 110  | 98-9430     | 1    | Screw                         |
| 120  | 98-9446     | 1    | Gasket                        |





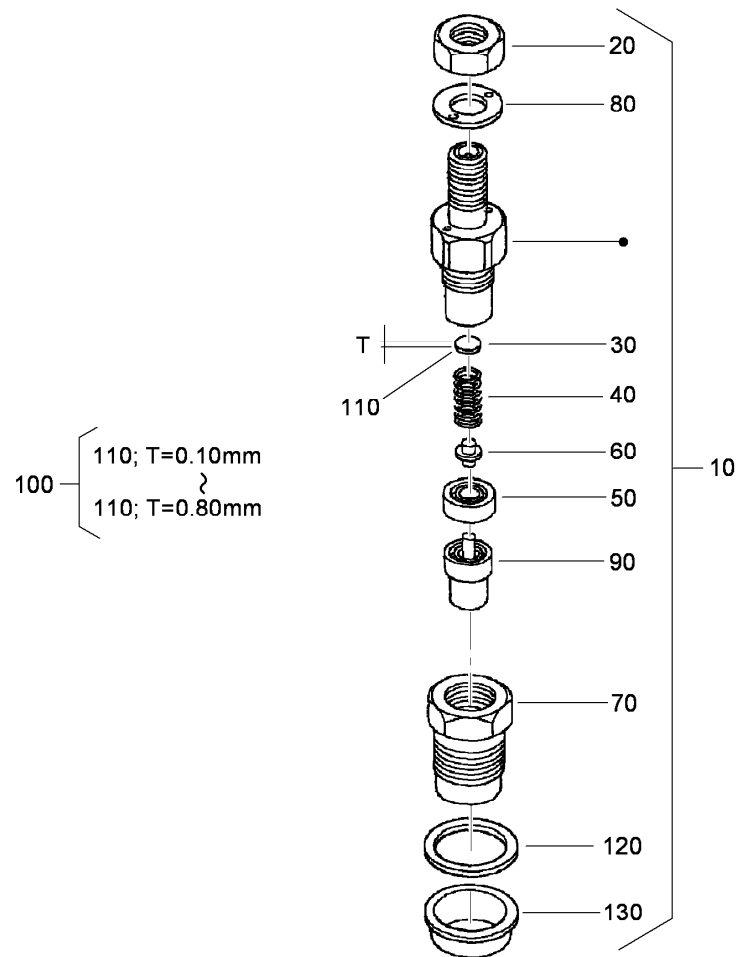
## Speed Control Plate Assembly

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



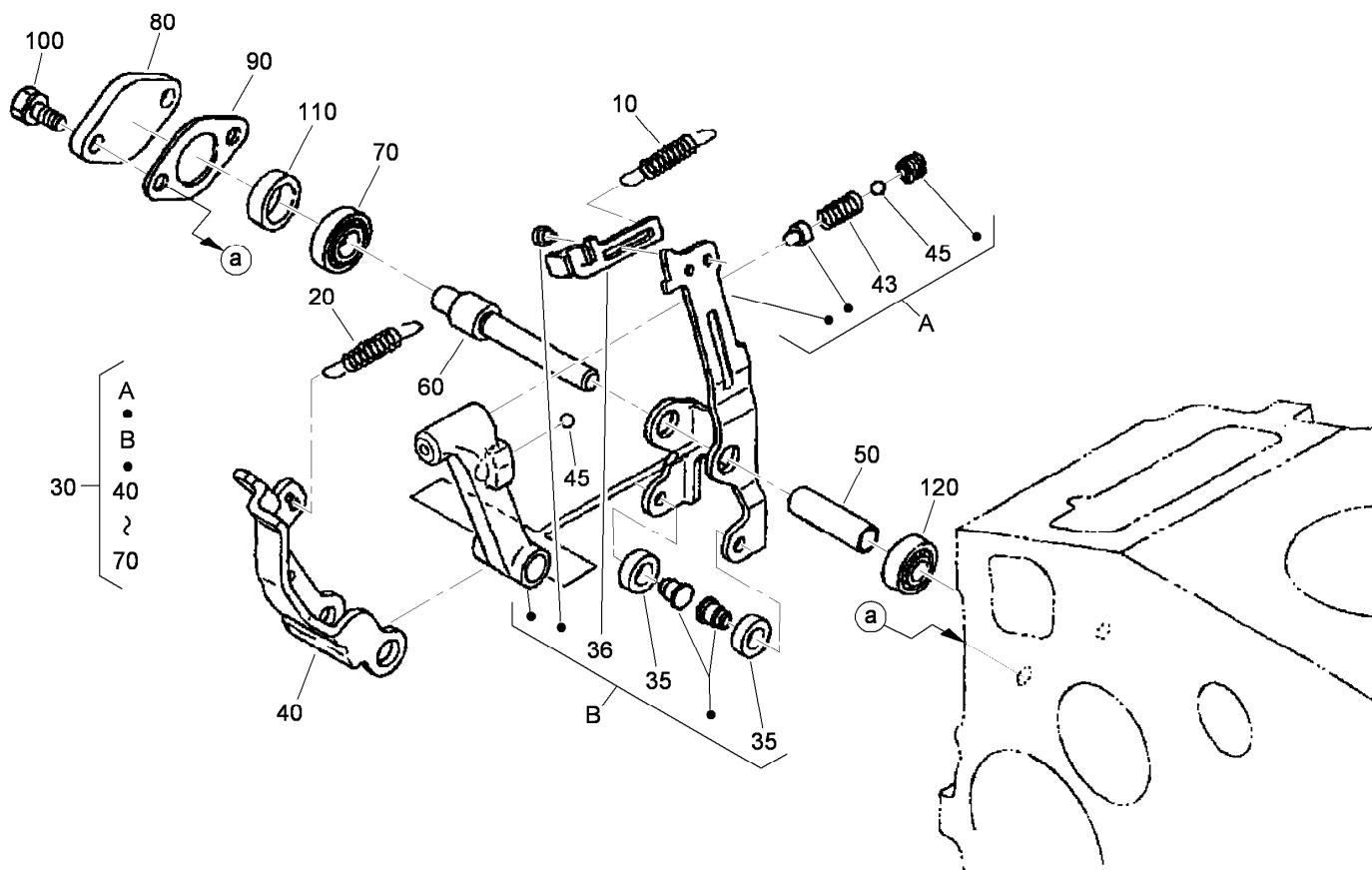
## Nozzle Holder and Glow Plug Assembly

| 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   | 108-2866    | 4    | Nozzle Holder Kit  |
| 70   | 98-7676     | 4    | Gasket             |
| 80   | 98-7677     | 4    | Seal-Heat          |
| 90   | 98-9622     | 1    | Pipe-Injection     |
| 100  | 98-9654     | 1    | Pipe-Injection     |
| 110  | 98-9655     | 1    | Pipe-Injection     |
| 120  | 105-3738    | 1    | Pipe-Injection     |
| 130  | 98-7682     | 3    | Clamp-Pipe         |
| 140  | 98-7683     | 3    | Clamp-Pipe         |
| 150  | 98-7684     | 3    | Screw (W/Washer)   |
| 160  | 98-9623     | 4    | Plug-Glow          |
| 170  | 105-3739    | 1    | Cord-Plug, Glow    |
| 180  | 99-8377     | 4    | Nut-Flange         |



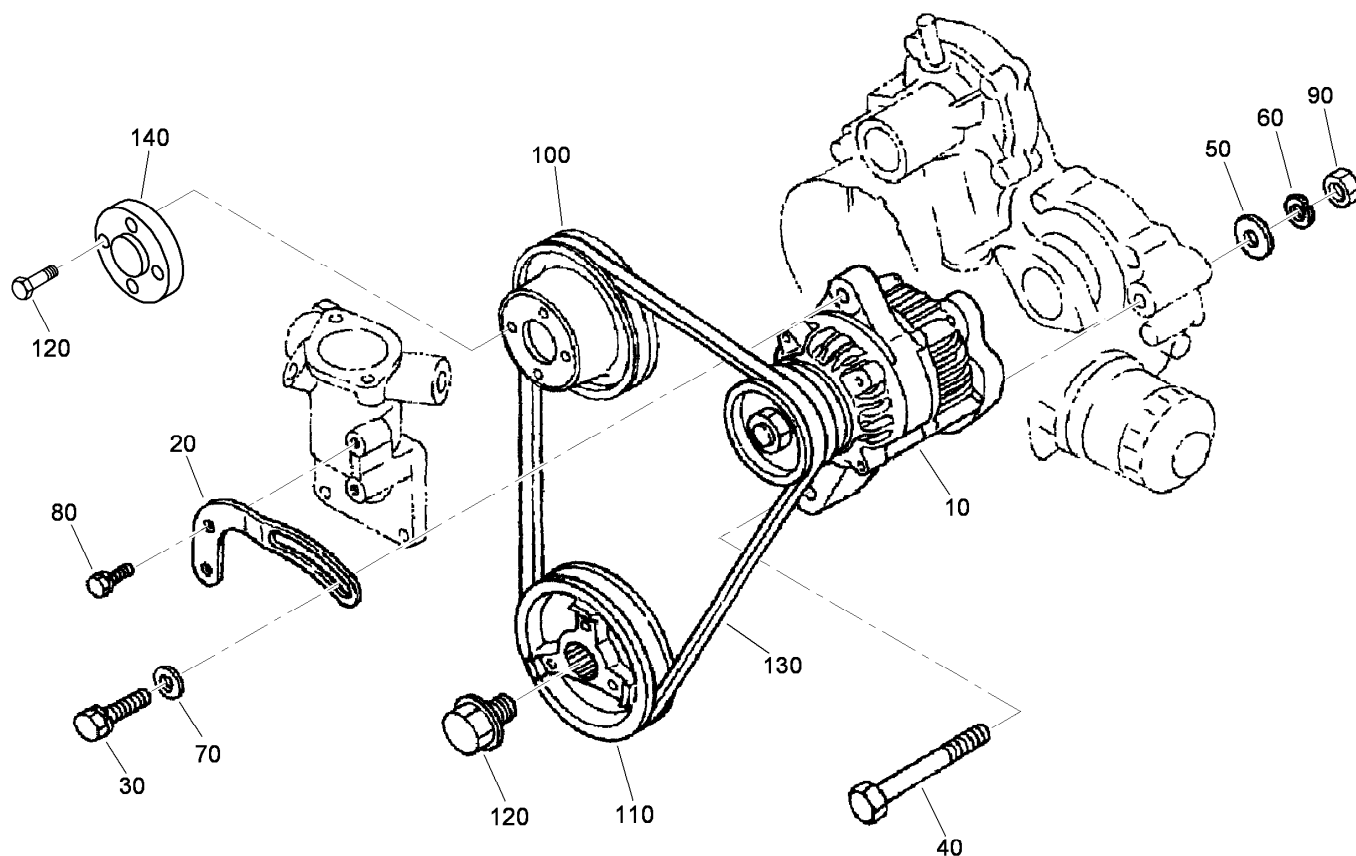
## Nozzle Holder Component Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 108-2866    | 4    | Nozzle Holder Kit      |
| 20   | 99-8301     | 4    | Nut                    |
| 30   | 99-8302     | 4    | Washer-Adjusting       |
| 40   | 99-8303     | 4    | Spring-Nozzle          |
| 50   | 99-8304     | 4    | Spacer-Distance        |
| 60   | 99-8305     | 4    | Rod-Push               |
| 70   | 99-8306     | 4    | Nut-Nozzle             |
| 80   | 99-8307     | 4    | Washer-Plain           |
| 90   | 107-7826    | 4    | Piece-Nozzle           |
| 100  | 99-8309     | 4    | Adjusting Washer ASM   |
| 110  | 99-8310     | 4    | Washer-Adjust (0.10MM) |
| 110  | 99-8311     | 4    | Washer-Adjust (0.20MM) |
| 110  | 99-8312     | 4    | Washer-Adjust (0.30MM) |
| 110  | 99-8313     | 4    | Washer-Adjust (0.40MM) |
| 110  | 99-8314     | 4    | Washer-Adjust (0.50MM) |
| 110  | 99-8315     | 4    | Washer-Adjust (0.52MM) |
| 110  | 99-8316     | 4    | Washer-Adjust (0.54MM) |
| 110  | 99-8317     | 4    | Washer-Adjust (0.56MM) |
| 110  | 99-8318     | 4    | Washer-Adjust (0.58MM) |
| 110  | 99-8319     | 4    | Washer-Adjust (0.80MM) |
| 120  | 98-7676     | 4    | Gasket                 |
| 130  | 98-7677     | 4    | Seal-Heat              |



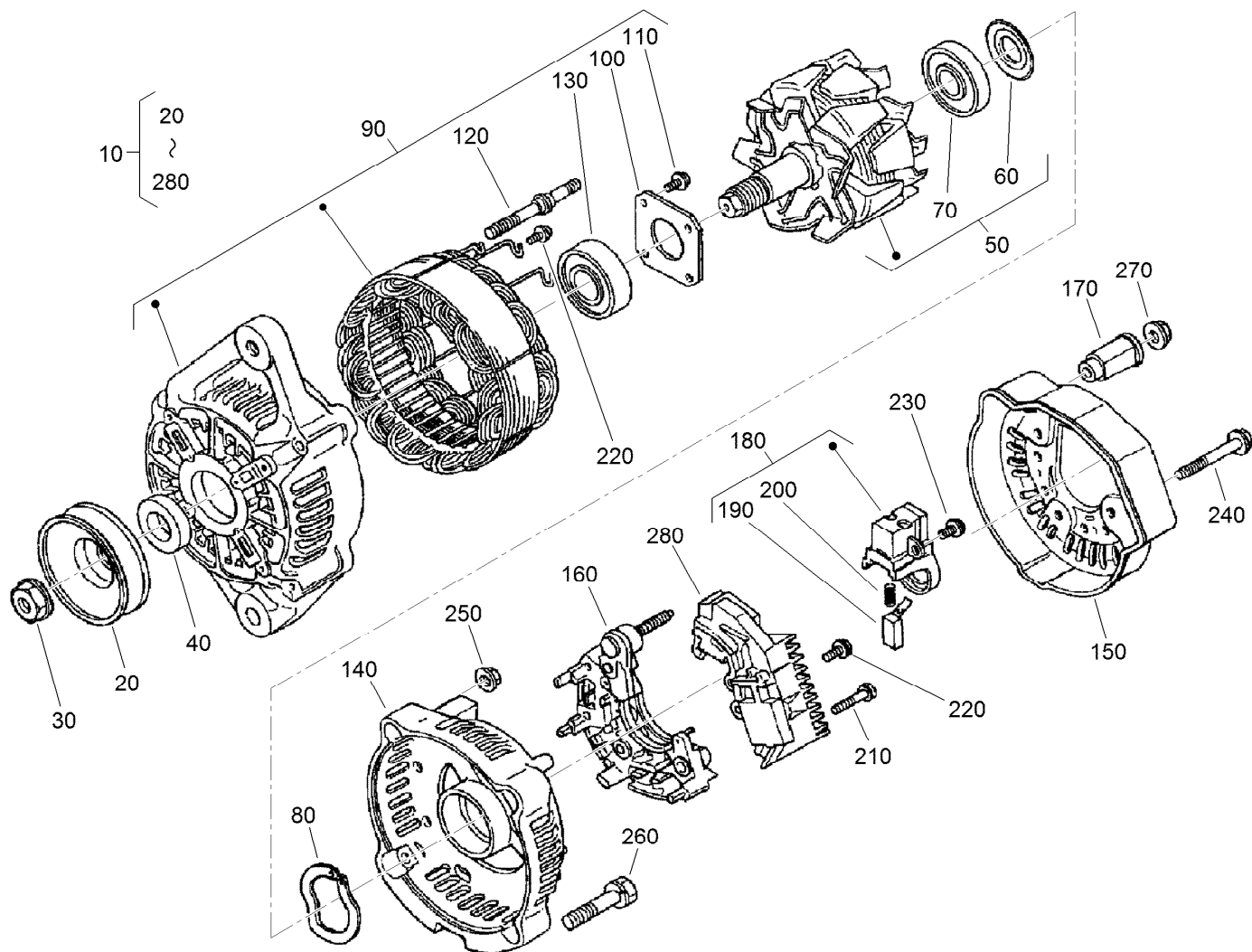
## Governor Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 105-3741    | 1    | Spring-Start            |
| 20   | 98-9681     | 1    | Spring-Governor         |
| 30   | 108-4427    | 1    | Fork Lever ASM          |
| 35   | 98-9692     | 2    | Roller                  |
| 36   | 107-9083    | 1    | Lever-Thrust            |
| 40   | 107-9084    | 1    | Lever-Fork              |
| 43   | 108-2867    | 1    | Spring                  |
| 45   | 98-7580     | 2    | Ball                    |
| 50   | 107-9085    | 1    | Shaft-Lever, Fork       |
| 60   | 107-9086    | 1    | Shaft-Lever, Fork       |
| 70   | 98-9570     | 1    | Bearing-Miniaturize     |
| 80   | 115-4122    | 1    | Cover-Shaft, Fork Lever |
| 90   | 98-9682     | 1    | Gasket                  |
| 100  | 98-9350     | 2    | Bolt                    |
| 110  | 98-9567     | 1    | Collar                  |
| 120  | 98-9571     | 1    | Bearing-Miniaturize     |



## Alternator and Pulley Assembly

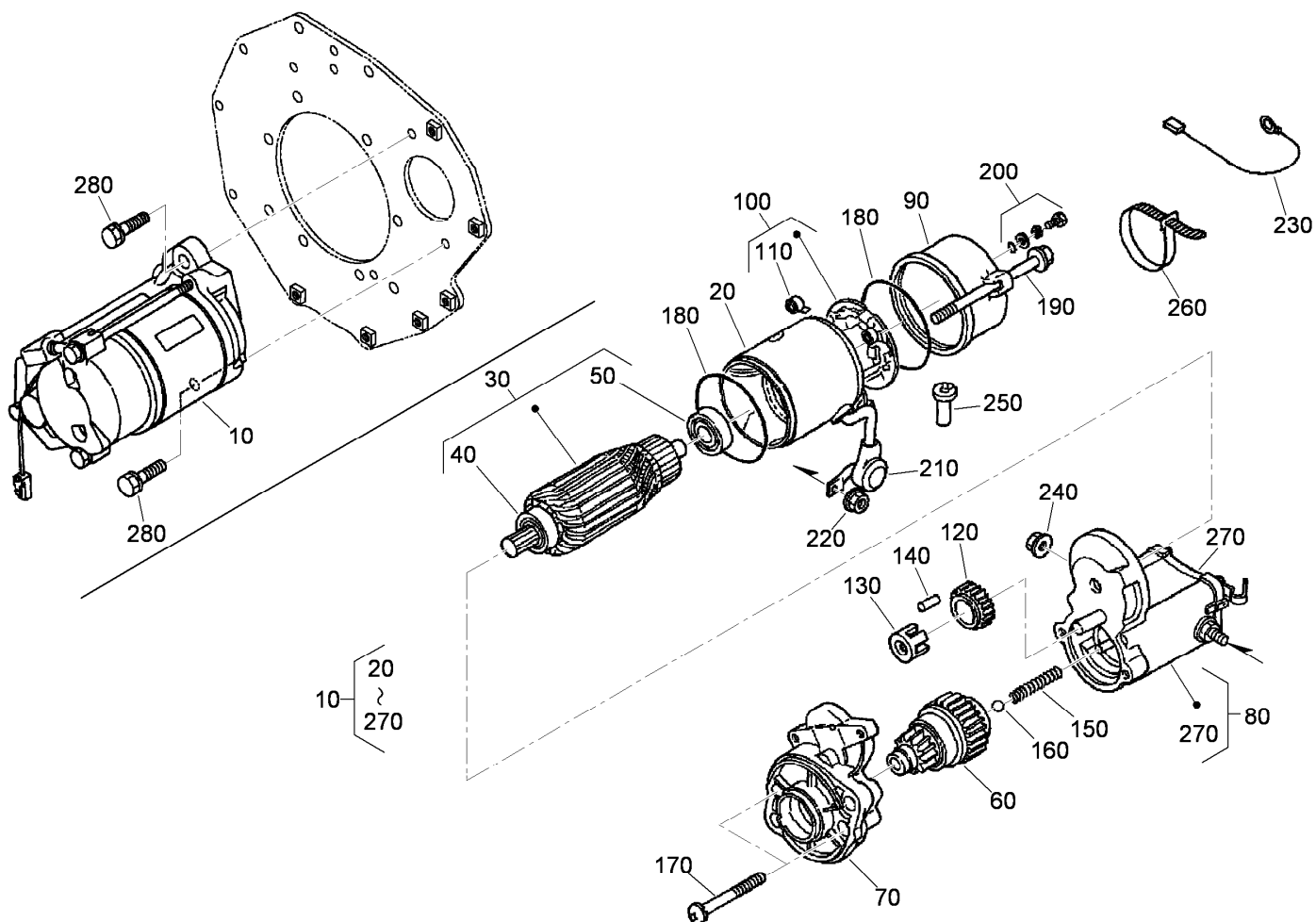
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 98-9474     | 1    | Alternator ASM    |
| 20   | 112-7047    | 1    | Stay-Dynamo       |
| 30   | 108-7088    | 1    | Bolt              |
| 40   | 98-9360     | 1    | Bolt              |
| 50   | 98-7696     | 1    | Washer-Plain      |
| 60   | 98-7738     | 1    | Washer-Spring     |
| 70   | 100-9233    | 1    | Washer-Plain      |
| 80   | 98-7692     | 1    | Bolt              |
| 90   | 98-7737     | 1    | Nut               |
| 100  | 110-0972    | 1    | Pulley            |
| 110  | 105-3745    | 1    | Pulley-Drive, Fan |
| 120  | 98-9585     | 1    | Bolt              |
| 130  | 98-9676     | 1    | V-Belt            |
| 140  | 108-2872    | 1    | Collar-Fan        |



## Alternator Components Assembly

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

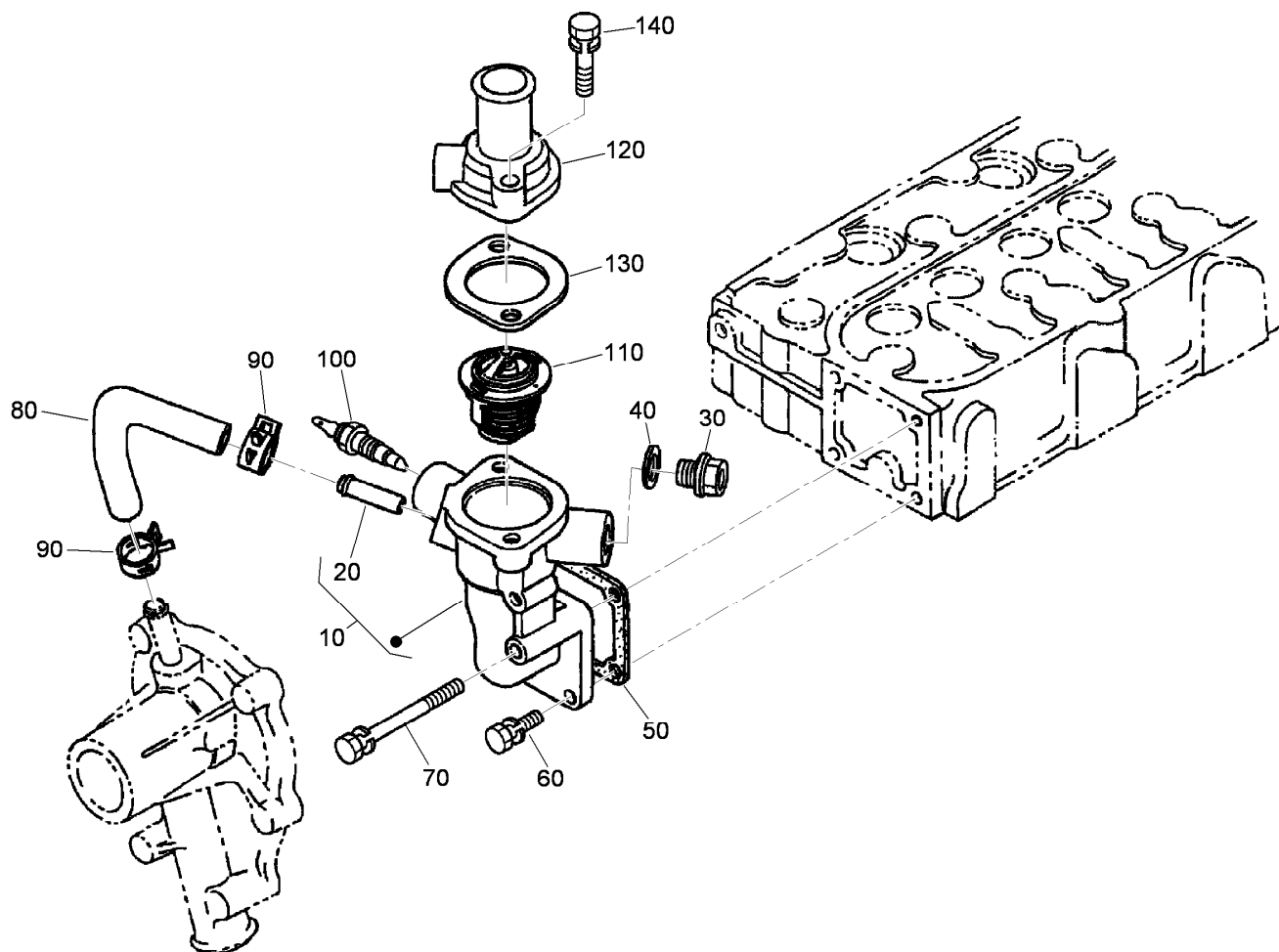
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 150  | 107-0140    | 1    | Cover-End          |
| 160  | 98-7721     | 1    | Rectifier ASM      |
| 170  | 98-7722     | 1    | Bushing-Insulation |
| 180  | 107-0141    | 1    | Brush Holder ASM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



## Starter Assembly

| 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               |

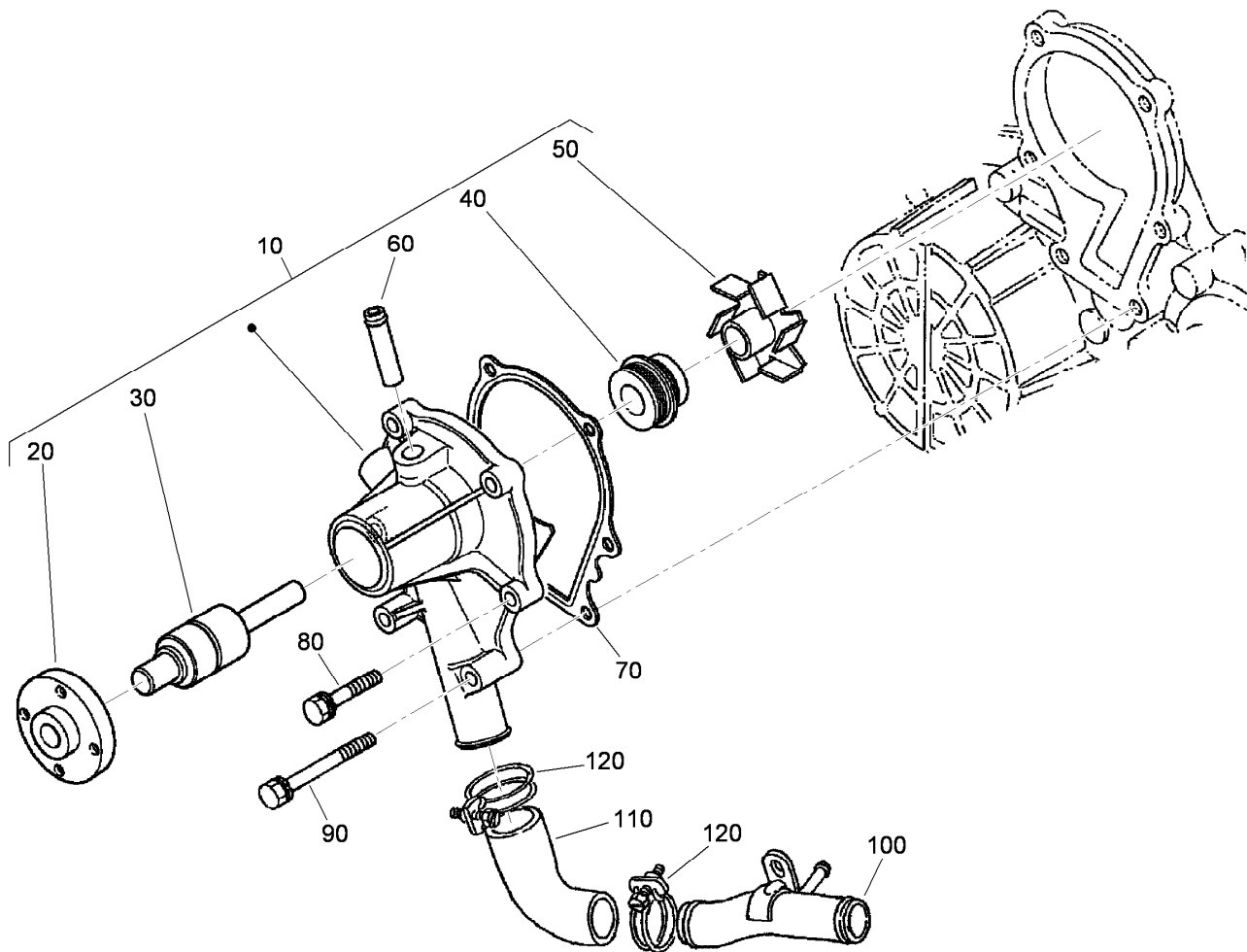
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 150  | 98-7754     | 1    | Spring              |
| 160  | 98-7755     | 1    | Ball                |
| 170  | 98-7756     | 2    | Bolt                |
| 180  | 98-7757     | 2    | O-Ring              |
| 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           |
| 280  | 98-7697     | 2    | Bolt                |



## Water Flange and Thermostat Assembly

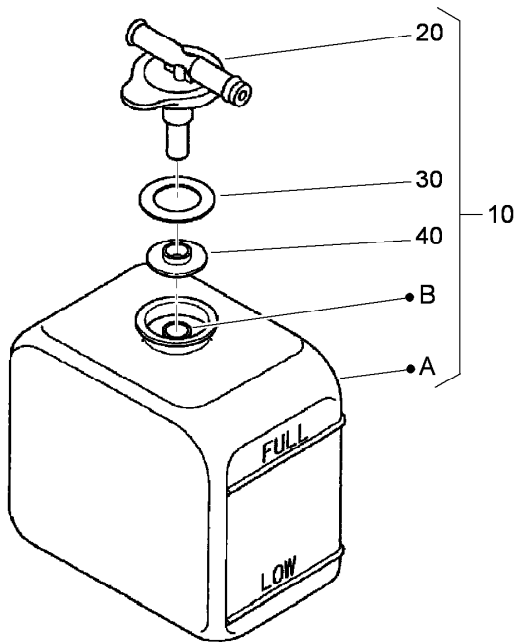
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9713     | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 30   | 105-3747    | 1    | Plug                 |
| 40   | 99-3583     | 1    | Gasket               |
| 50   | 98-9638     | 1    | Gasket-Flange, Water |
| 60   | 98-7692     | 3    | Bolt                 |
| 70   | 98-9356     | 1    | Bolt                 |
| 80   | 98-9578     | 1    | Pipe-Return, Water   |
| 90   | 98-9579     | 2    | Band-Pipe            |
| 100  | 112-0183    | 1    | Switch-Thermometer   |
| 110  | 98-7778     | 1    | Thermostat ASM       |
| 120  | 98-9471     | 1    | Cover-Thermostat     |
| 130  | 105-3748    | 1    | Gasket-Thermostat    |
| 140  | 98-7777     | 2    | Bolt                 |





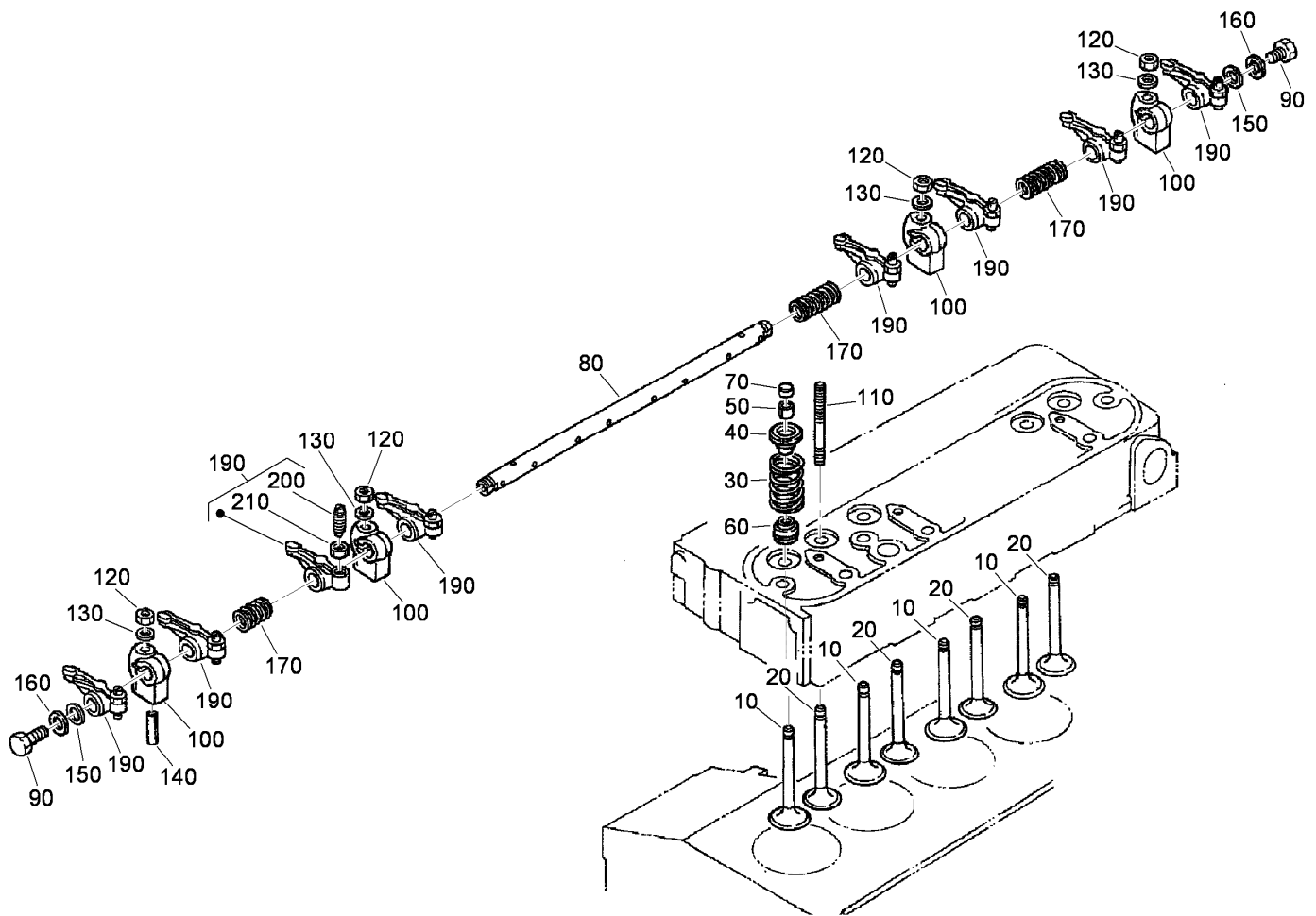
## Water Pump Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 10          | 107-9089           | 1           | Water Pump ASM       |
| 20          | 99-3516            | 1           | Flange-Pump, Water   |
| 30          | 99-3517            | 1           | Bearing-Pump, Water  |
| 40          | 105-3750           | 1           | Mechanical Seal ASM  |
| 50          | 112-7017           | 1           | Impeller-Pump, Water |
| 60          | 100-1932           | 1           | Pipe-Return, Water   |
| 70          | 99-3454            | 1           | Gasket-Pump, Water   |
| 80          | 98-9353            | 4           | Bolt                 |
| 90          | 107-9090           | 2           | Bolt                 |
| 100         | 99-8379            | 1           | Pipe-Water           |
| 110         | 107-9091           | 1           | Pipe-Water           |
| 120         | 98-9717            | 2           | Clamp                |



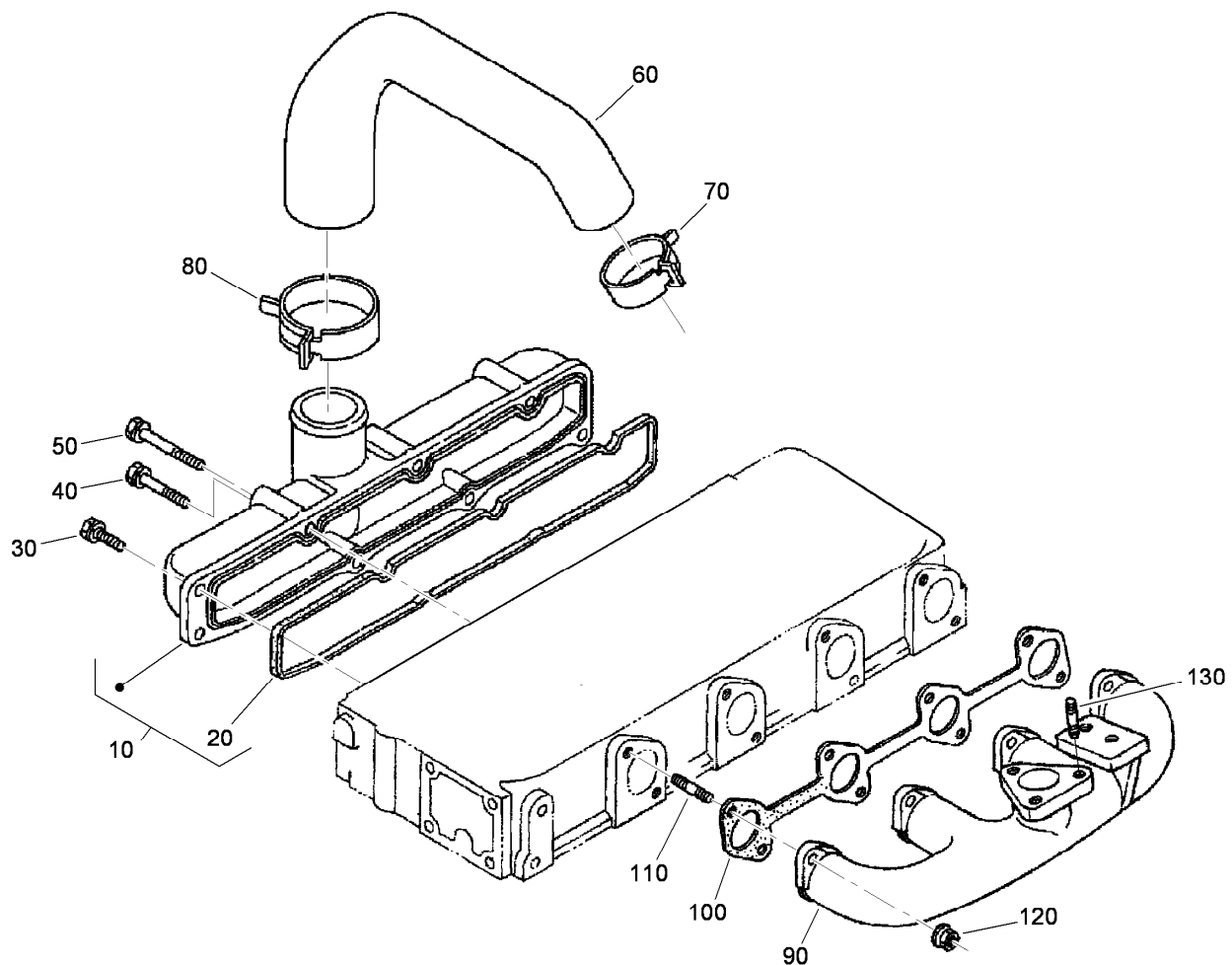
## Overflow Bottle Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 104-9318           | 1           | Bottle-Overflow    |
| 20          | 115-4132           | 1           | Cap                |
| 30          | 105-3755           | 1           | Gasket             |
| 40          | 105-3756           | 1           | Plate              |



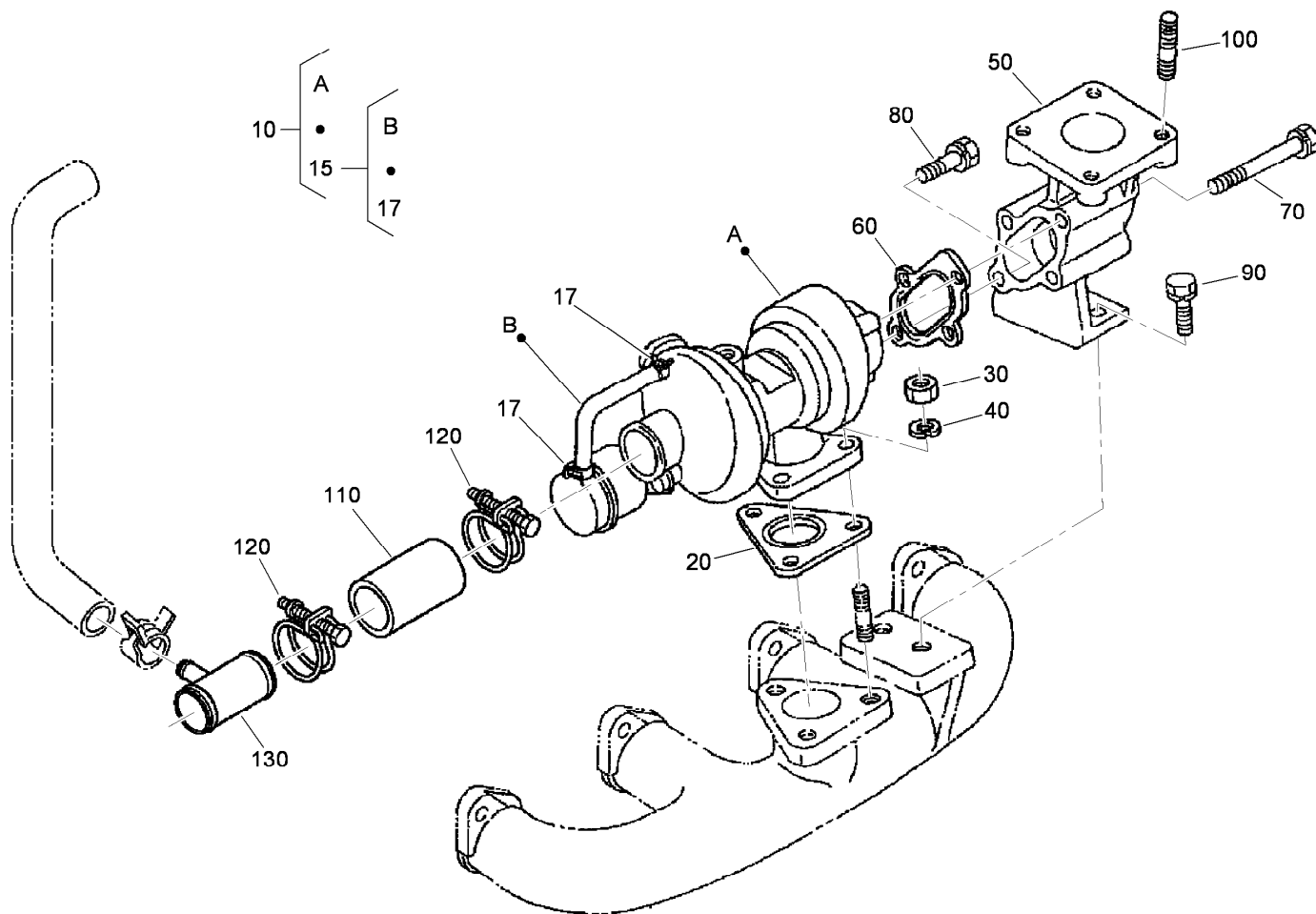
## Valve and Rocker Arm Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 112-7018    | 4    | Valve-Inlet              |
| 20   | 112-7019    | 4    | Valve-Exhaust            |
| 30   | 98-9626     | 8    | Spring-Valve             |
| 40   | 107-9092    | 8    | Retainer-Spring          |
| 50   | 98-9390     | 8    | Collet-Spring, Valve     |
| 60   | 99-8385     | 8    | Seal-Stem, Valve         |
| 70   | 98-9497     | 8    | Cap-Valve                |
| 80   | 105-3757    | 1    | Shaft-Arm, Rocker        |
| 90   | 100-9265    | 2    | Bolt                     |
| 100  | 98-9505     | 4    | Bracket-Arm, Rocker      |
| 110  | 98-9506     | 4    | Stud                     |
| 120  | 98-9393     | 4    | Nut                      |
| 130  | 98-9385     | 4    | Washer-Flat              |
| 140  | 105-3758    | 2    | Pin-Spring               |
| 150  | 98-9507     | 2    | Washer-Shaft, Rocker Arm |
| 160  | 110-3832    | 2    | Washer-Plain             |
| 170  | 98-9504     | 3    | Spring-Arm, Rocker       |
| 190  | 112-7020    | 8    | Rocker Arm ASM           |
| 200  | 98-9502     | 8    | Screw-Adjusting          |
| 210  | 98-9503     | 8    | Nut                      |



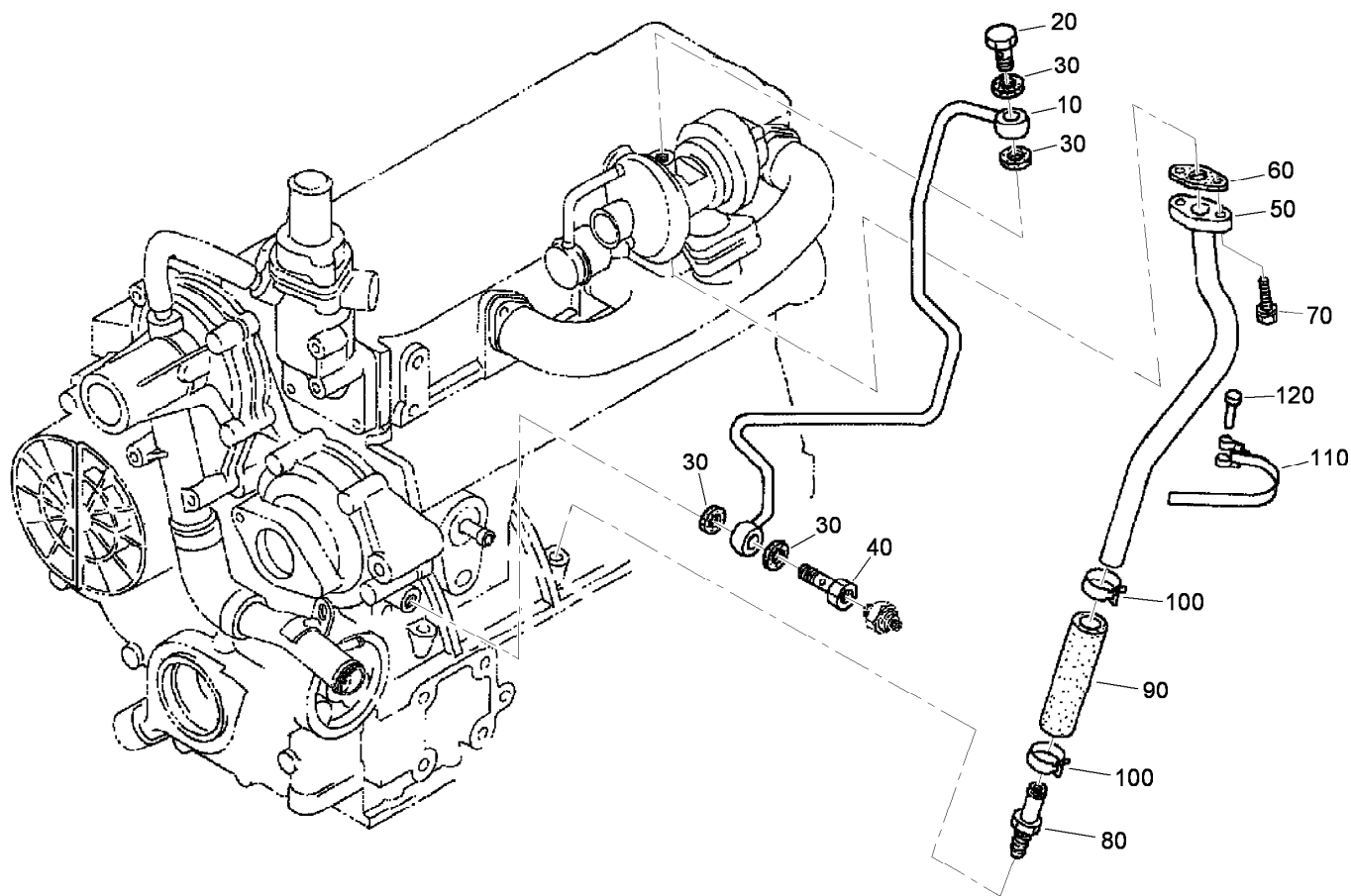
## Inlet and Exhaust Manifold Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 10          | 105-3759           | 1           | Inlet Manifold ASM       |
| 20          | 105-3760           | 1           | Gasket-Manifold, Intake  |
| 30          | 98-7605            | 3           | Bolt                     |
| 40          | 98-9353            | 2           | Bolt                     |
| 50          | 105-3797           | 3           | Bolt                     |
| 60          | 115-4123           | 1           | Hose-Inlet               |
| 70          | 115-3048           | 1           | Clamp-Hose               |
| 80          | 115-3049           | 1           | Clamp-Hose               |
| 90          | 108-4425           | 1           | Manifold-Exhaust         |
| 100         | 105-3765           | 1           | Gasket-Manifold, Exhaust |
| 110         | 98-9588            | 8           | Stud                     |
| 120         | 98-9665            | 8           | Nut                      |
| 130         | 99-8342            | 3           | Stud                     |



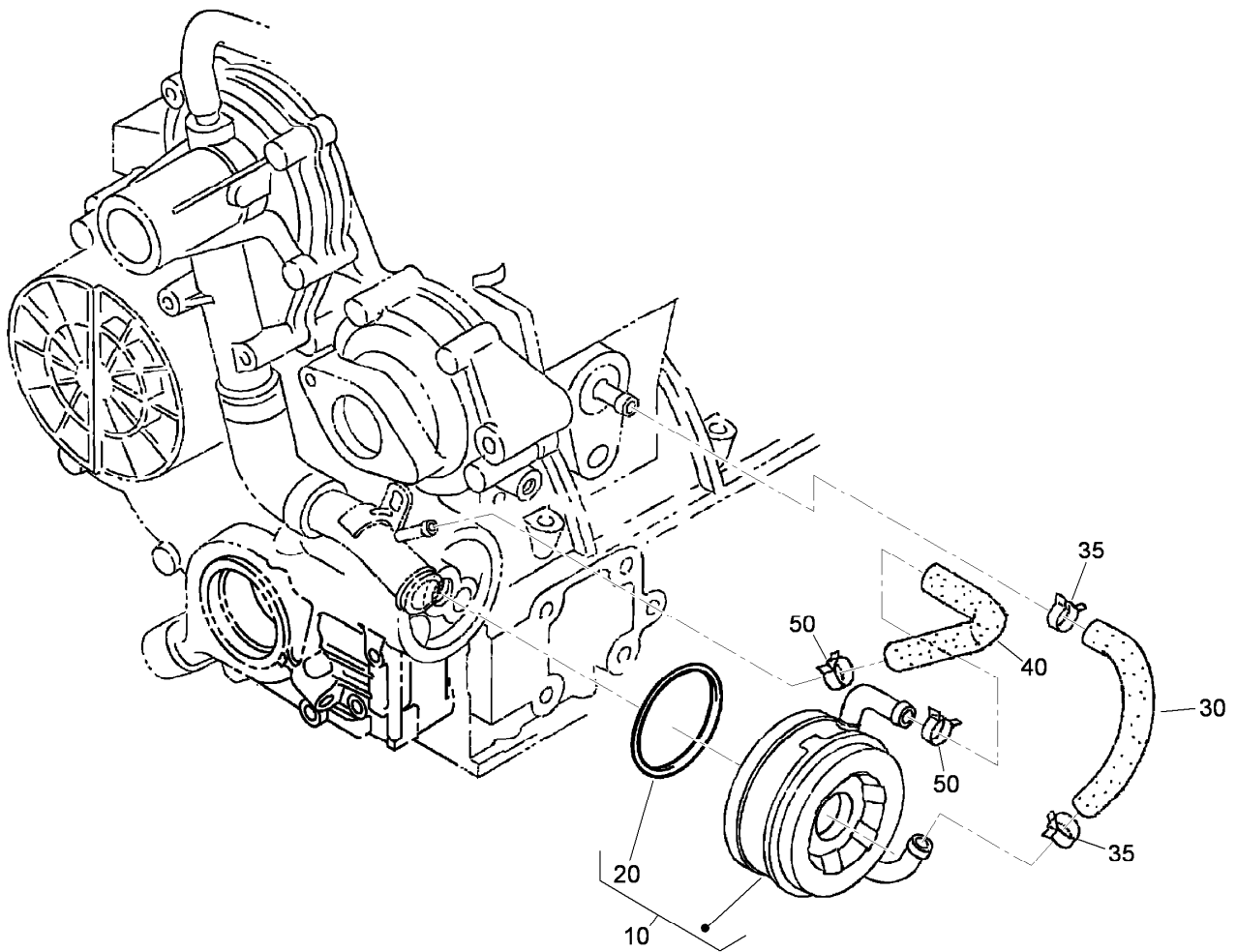
## Turbo Charger Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 108-1412    | 1    | Turbo Charger ASM    |
| 15   | 108-1413    | 1    | Hose ASM             |
| 17   | 108-1414    | 2    | Clamp-Hose           |
| 20   | 105-3767    | 1    | Gasket               |
| 30   | 98-7534     | 3    | Nut                  |
| 40   | 105-2893    | 3    | Washer-Spring        |
| 50   | 99-8335     | 1    | Flange-Muffler       |
| 60   | 105-3768    | 1    | Gasket               |
| 70   | 115-4100    | 3    | Bolt                 |
| 80   | 105-2895    | 1    | Bolt                 |
| 90   | 98-7610     | 2    | Bolt                 |
| 100  | 98-7769     | 4    | Stud                 |
| 110  | 115-4101    | 1    | Tube-Inlet, Turbo    |
| 120  | 115-4102    | 2    | Band                 |
| 130  | 115-4103    | 1    | Pipe-Inlet, Breather |



## Oil Pipe (Turbo Charger) Assembly

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 108-4424    | 1    | Oil Pipe ASM    |
| 20   | 115-4126    | 1    | Bolt-Joint, Eye |
| 30   | 99-8346     | 4    | Gasket          |
| 40   | 98-9417     | 1    | Bolt-Joint, Eye |
| 50   | 108-4423    | 1    | Oil Pipe ASM    |
| 60   | 108-4422    | 1    | Gasket          |
| 70   | 98-7605     | 2    | Bolt            |
| 80   | 105-3771    | 1    | Oil Pipe ASM    |
| 90   | 98-9721     | 1    | Pipe-Oil        |
| 100  | 98-9714     | 2    | Clamp-Hose      |
| 110  | 98-9601     | 1    | Clamp-Pipe      |
| 120  | 98-9591     | 1    | Pin-Band        |



## Oil Cooler Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 104-5158    | 1    | Oil Cooler ASM     |
| 20   | 112-7030    | 1    | O-Ring             |
| 30   | 98-9724     | 1    | Pipe-Cooler, Oil   |
| 35   | 98-9579     | 2    | Band-Pipe          |
| 40   | 98-9578     | 1    | Pipe-Return, Water |
| 50   | 98-9579     | 2    | Band-Pipe          |

# Attachments and Accessories

## For 30854 Groundsmaster 4300-D Traction Unit

| Product Name                                                           | Model/Part  |
|------------------------------------------------------------------------|-------------|
| Air Ride Seat Suspension Kit.....                                      | 03667       |
| Wheel Weight Kit .....                                                 | 104-1478    |
| Premium All Season Hydraulic Fluid (55 Gallon Drum) .....              | 108-1177    |
| Premium All Season Hydraulic Fluid (5 Gallon Pail).....                | 108-1178    |
| Premium All Purpose Grease (Tube) .....                                | 108-1190    |
| Air Cleaner Safety Element.....                                        | 108-3813    |
| 22in Combo Blade .....                                                 | 108-7395-03 |
| ROPS Extension Kit.....                                                | 110-8030    |
| Operator Fan Kit - US Sales Only, 3in ROPS Post .....                  | 110-8804    |
| Weight Plate .....                                                     | 110-8985-03 |
| 22in High Lift Blade.....                                              | 114-0434-03 |
| 22in Atomic Blade.....                                                 | 114-0435-03 |
| Roller Scraper Kit.....                                                | 117-0149    |
| Mulching Kit.....                                                      | 117-0185    |
| 22in Angle Sail Blade.....                                             | 117-0209-03 |
| Hydraulic Hose Kit .....                                               | 117-0289    |
| 22in Rotary Cutting Unit Sectional Roller ASM .....                    | 117-0297    |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail) ..... | 119-2157    |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum)..... | 119-2158    |
| Service Pack-Combo Blade.....                                          | 119-6957    |
| Japanese Service Decal .....                                           | 119-6967    |
| Large Seat Cover.....                                                  | 120-5179    |
| Premium Engine Oil 10w30 (55 Gallon Drum) .....                        | 121-6392    |
| Premium Engine Oil 10w30 (5 Gallon Pail) .....                         | 121-6393    |
| 400-Hour Filter Maintenance Kit .....                                  | 30055       |
| Universal Sunshade .....                                               | 30349       |
| 22in Rotary Cutting Unit.....                                          | 30845       |
| Spark Arrestor .....                                                   | 98-9099     |



**Notes:**

**Notes:**

**Notes:**



**Count on it.**