



Form No. 3470-951 Rev A

**Count on it.**

# Parts Catalog

## **Greensmaster® 3250-D 2-Wheel Drive Traction Unit**

Model No. 04384—Serial No. 418200000 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.

# Contents

|                                                         |    |
|---------------------------------------------------------|----|
| Roll-Over Protection System Assembly .....              | 5  |
| Frame Assembly .....                                    | 6  |
| Traction Control Assembly .....                         | 7  |
| Brake Pedal Assembly .....                              | 9  |
| Steering Arm Assembly .....                             | 10 |
| Operator Platform Assembly .....                        | 11 |
| Seat Assembly .....                                     | 12 |
| Engine Assembly .....                                   | 14 |
| Intake and Exhaust Assembly .....                       | 15 |
| Air Cleaner Assembly No. 95-5805 .....                  | 16 |
| Radiator Assembly .....                                 | 17 |
| Fuel System Assembly .....                              | 18 |
| Hydraulic Tank and Filter Assembly .....                | 19 |
| Hydrostat and Gear Pump Drive Assembly .....            | 20 |
| Hydraulic Pump Assembly No. 139-6474 .....              | 22 |
| Hydraulic Gear Pump Assembly No. 114-9956 .....         | 24 |
| Manifold Assembly .....                                 | 25 |
| Hydraulic Manifold Assembly No. 147-3077 .....          | 26 |
| Steering Valve Assembly .....                           | 28 |
| Steering Valve Assembly No. 114-4672 .....              | 29 |
| Steering Cylinder Assembly No. 161-4698 .....           | 30 |
| Left Hand Wheel Motor and Lift Cylinder Assembly .....  | 31 |
| Hydraulic Motor Assembly (CW) No. 110-4016 .....        | 32 |
| Hydraulic Cylinder Assembly No. 139-2651 .....          | 33 |
| Right Hand Wheel Motor and Lift Cylinder Assembly ..... | 34 |
| Hydraulic Motor Assembly (CCW) No. 110-4015 .....       | 35 |
| Hydraulic Reel Motor Assembly No. 120-2072 .....        | 36 |
| Front Reel Motors Assembly .....                        | 37 |
| Center Lift Cylinder Assembly .....                     | 38 |
| Hydraulic Cylinder Assembly No. 139-2650 .....          | 39 |
| Console Assembly .....                                  | 40 |
| Joystick Bracket Assembly No. 120-5280 .....            | 41 |
| Electrical Harness Assembly .....                       | 42 |
| Battery Assembly .....                                  | 43 |
| Front Wheel and Brake Assembly .....                    | 44 |
| Rear Wheel and Brake Assembly .....                     | 45 |
| Right Cutting Unit Suspension Assembly .....            | 46 |
| Left Cutting Unit Suspension Assembly .....             | 48 |
| Center Cutting Unit Suspension Assembly .....           | 50 |
| Crankcase Assembly .....                                | 52 |
| Oil Pan, Oil Pump and Dipstick Assembly .....           | 53 |
| Cylinder Head Assembly .....                            | 54 |
| Gear Case and Oil Filter Cartridge Assembly .....       | 55 |
| Cylinder Head Cover Assembly .....                      | 56 |
| Main Bearing Case Assembly .....                        | 57 |
| Camshaft and Idle Gear Shaft Assembly .....             | 58 |
| Piston and Crankshaft Assembly .....                    | 59 |
| Fuel Camshaft Assembly .....                            | 60 |
| Idle Apparatus and Fuel Pump Cover Assembly .....       | 61 |
| Stop Solenoid and Speed Control Plate Assembly .....    | 62 |
| Injection Pump Assembly .....                           | 63 |
| Governor Assembly .....                                 | 64 |
| Nozzle Holder and Glow Plug Assembly .....              | 65 |
| Nozzle Holder Assembly .....                            | 66 |

Contents (continued)

Alternator and Pulley Assembly ..... 68

Alternator Assembly No. 131-6557 ..... 69

Starter and Flywheel Assembly ..... 70

Starter Component Assembly ..... 71

Water Flange and Thermostat Assembly ..... 72

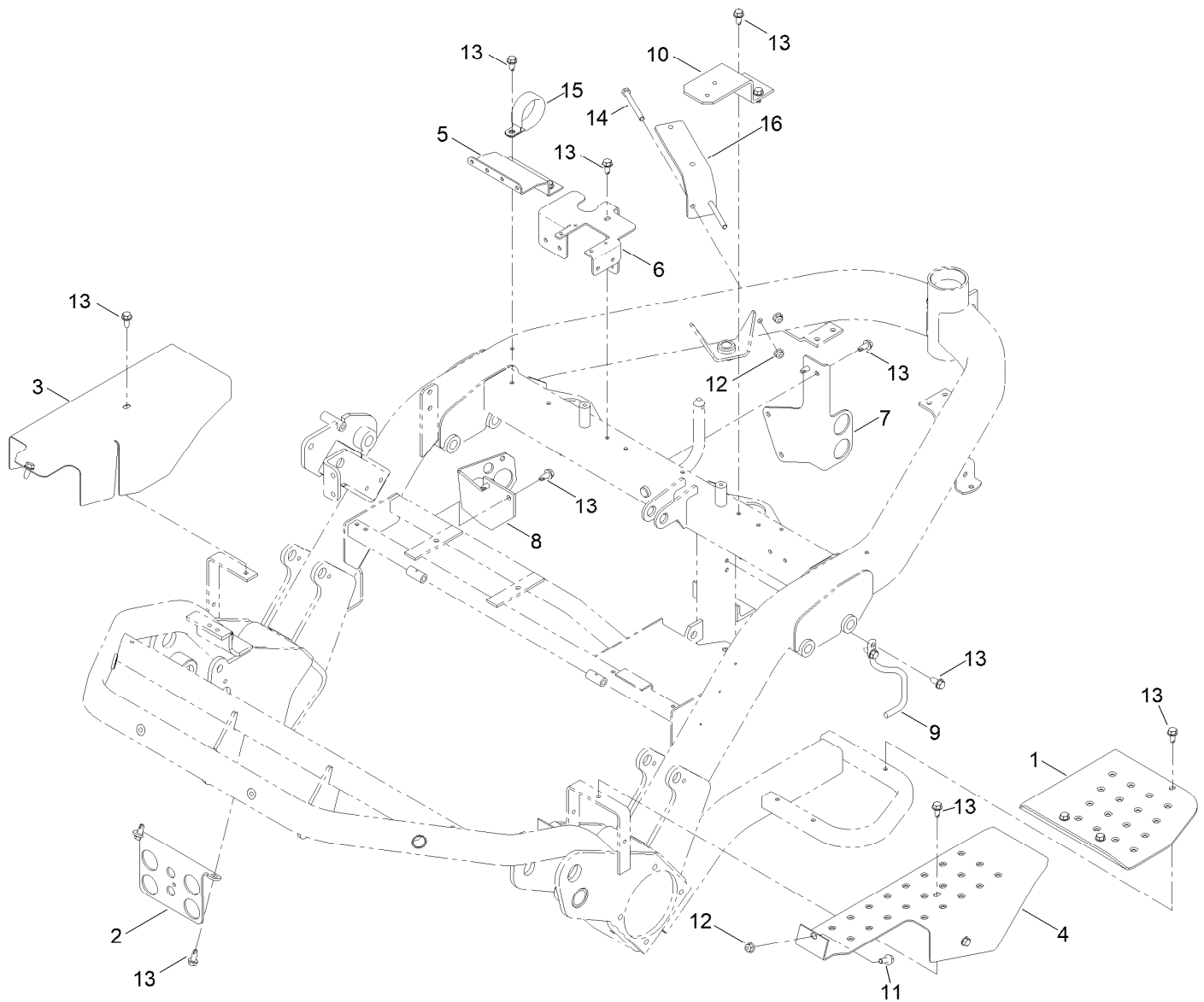
Water Pump and Water Pipe Assembly ..... 73

Valve and Rocker Arm Assembly..... 74

Inlet and Exhaust Manifold Assembly ..... 75

Attachments and Accessories ..... 76

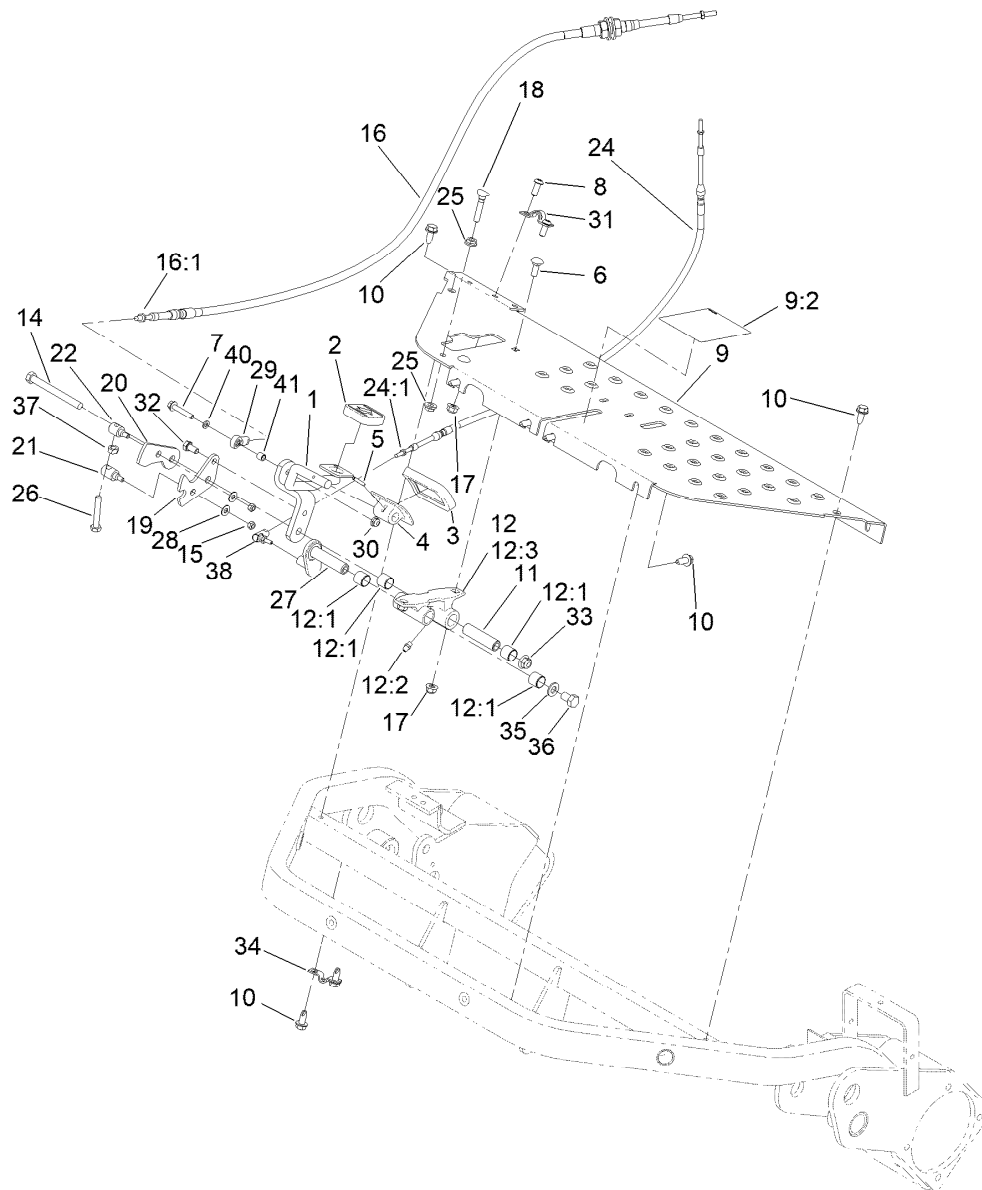
3470-951A



## Frame Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 130-0104-01 | 1    | Step               |
| 2    | 121-2636-01 | 1    | Bracket-Bulkhead   |
| 3    | 93-2072-01  | 1    | Shield-Wheel, RH   |
| 4    | 93-2073-01  | 1    | Shield-Wheel, LH   |
| 5    | 93-2169-01  | 1    | Bracket-Relay      |
| 6    | 145-4560-01 | 1    | Bracket-Fuse Block |
| 7    | 99-4222-03  | 1    | Bracket-Hose       |
| 8    | 94-1316     | 1    | Bracket-Bulkhead   |

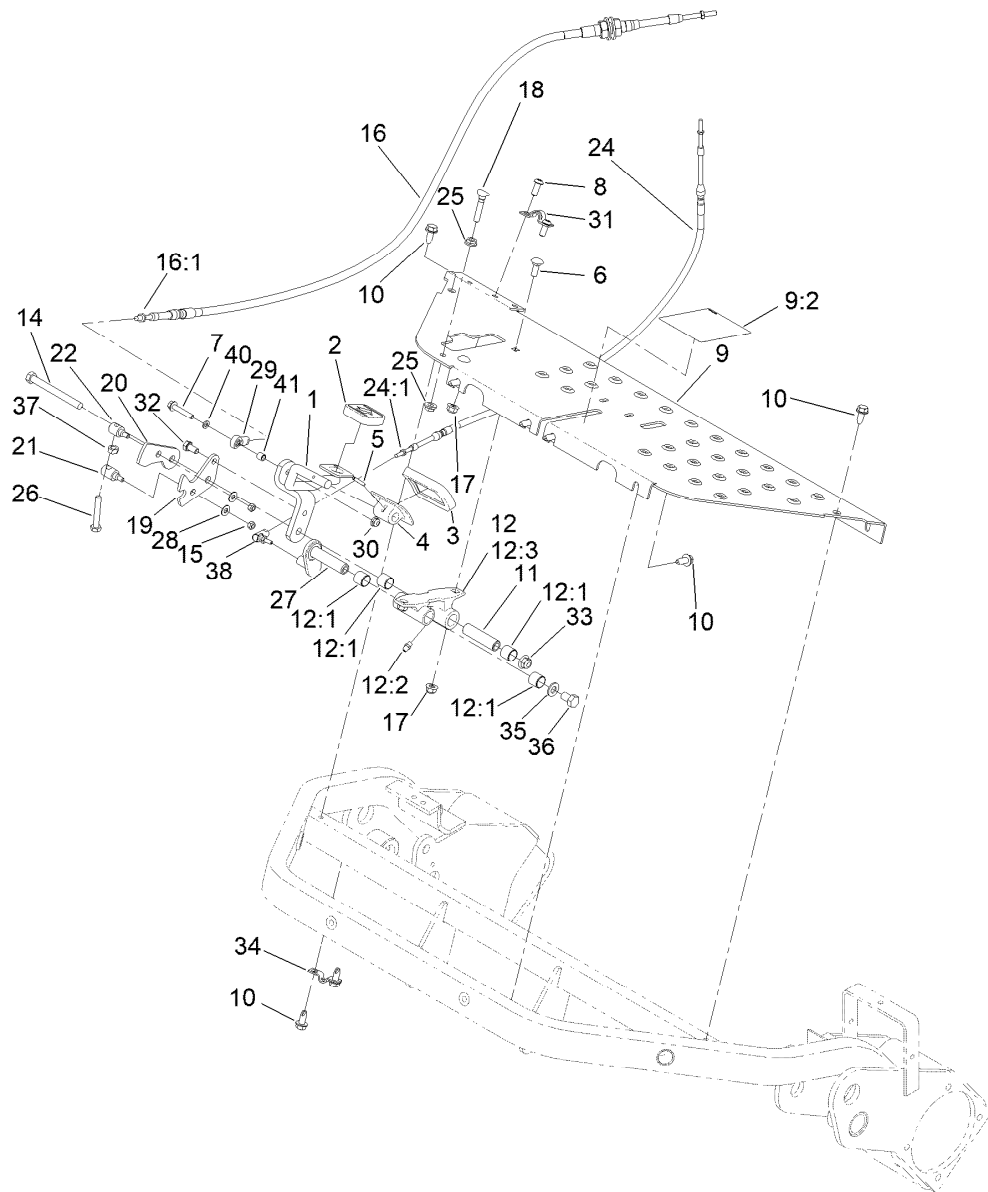
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 9    | 130-6527    | 1    | Retainer-Hose        |
| 10   | 131-8780-03 | 1    | Bracket-Oil Filter   |
| 11   | 3234-47     | 1    | Screw-HHF            |
| 12   | 104-8300    | 3    | Nut-HF, NI           |
| 13   | 32104-32    | 22   | Screw-HWH            |
| 14   | 322-20      | 2    | Screw-HH             |
| 15   | 115-9469    | 1    | Clamp-R              |
| 16   | 99-4203-03  | 1    | Bracket-Cleaner, Air |



## Traction Control Assembly

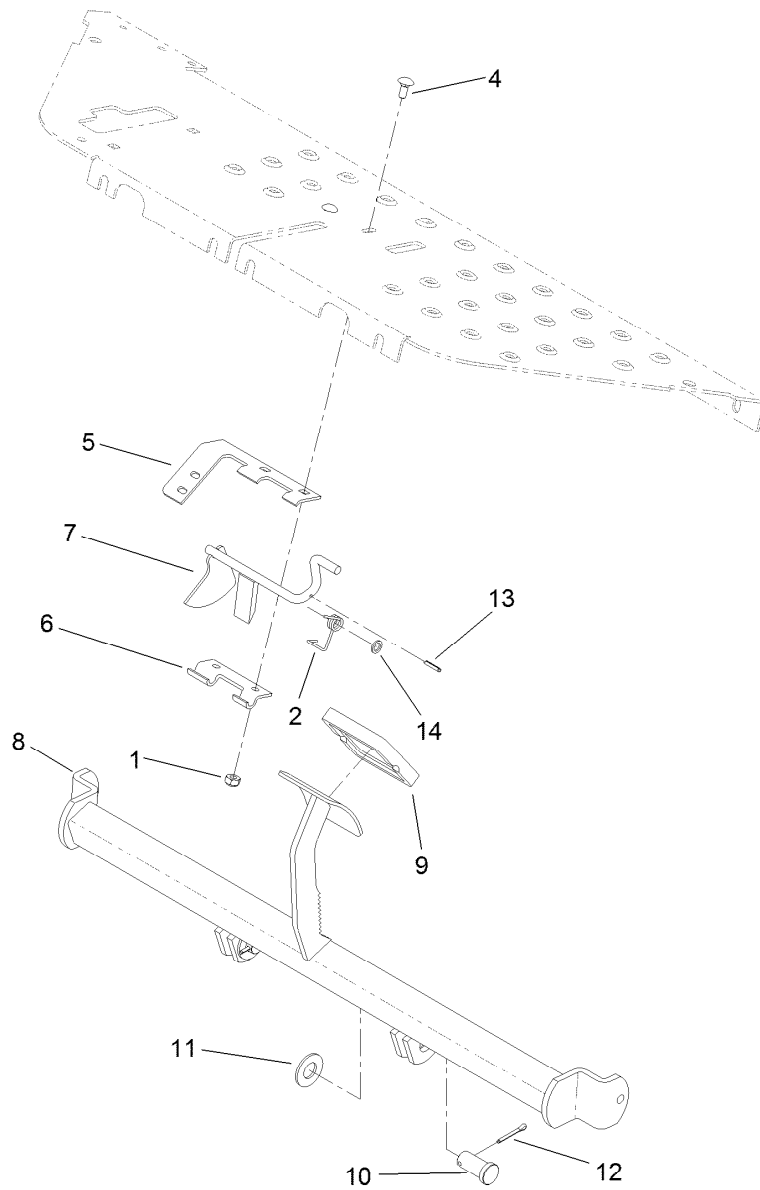
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 93-2085-01  | 1    | Rod ASM                |
| 2    | 74-9110     | 1    | Pad-Pedal, Reverse     |
| 3    | 74-9100     | 1    | Pad-Pedal, Forward     |
| 4    | 117-9507    | 1    | Pedal-Accelerator      |
| 5    | 32121-45    | 1    | Pin-Spring             |
| 6    | 3230-16     | 2    | Screw-CARR             |
| 7    | 94-5781     | 1    | Screw-HHF              |
| 8    | 3274-55     | 2    | Screw-HSBH             |
| 9    | 136-8570    | 1    | Plate-Floor            |
| 9:2  | 93-8062     | 1    | Decal-Brake, Parking   |
| 10   | 32104-32    | 8    | Screw-HWH              |
| 11   | 94-1371     | 1    | Spacer                 |
| 12   | 140-6163    | 1    | Pivot Pedal ASM        |
| 12:1 | 136-8417    | 4    | Bushing                |
| 12:2 | 302-5       | 1    | Fitting-Grease         |
| 12:3 | 115-6695    | 1    | Pedal-Pivot            |
| 14   | 323-42      | 1    | Screw-HH               |
| 15   | 33023-00    | 2    | Nut-Lock               |
| 16   | 145-4566    | 1    | Cable-Traction Control |
| 16:1 | 3220-1      | 2    | Nut-Jam                |
| 17   | 104-8300    | 4    | Nut-HF, NI             |

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 18   | 17-9420     | 1    | Screw-Handle           |
| 19   | 94-1373     | 1    | Bracket-Lock           |
| 20   | 94-1372     | 1    | Bracket-Mow            |
| 21   | 94-1375     | 1    | Trunnion-Bracket, Lock |
| 22   | 94-1374     | 1    | Trunnion-Bracket, Mow  |
| 24   | 94-1304     | 1    | Cable-Lock, Neutral    |
| 24:1 | 3219-14     | 2    | Nut-Hex                |
| 25   | 32128-20    | 2    | Nut-HF                 |
| 26   | 94-3489     | 1    | Screw-HH               |
| 27   | 140-6108    | 1    | Pin-Flag, Neutral Lock |
| 28   | 3256-1      | 2    | Washer-Flat            |
| 29   | 2411-41     | 1    | Rod End-Ball Joint     |
| 30   | 104-7201    | 1    | Nut-HF, NI             |
| 31   | 93-2092     | 1    | Clamp-Cable            |
| 32   | 33114-016   | 1    | Screw-HH               |
| 33   | 104-8301    | 1    | Nut-HF, NI             |
| 34   | 93-2279     | 1    | Clamp-Cable            |
| 35   | 3256-24     | 1    | Washer-Plain           |
| 36   | 33115-016   | 1    | Screw-HH               |
| 37   | 33014-00    | 1    | Nut-Hex                |
| 38   | 2411-38     | 1    | Joint-Ball             |



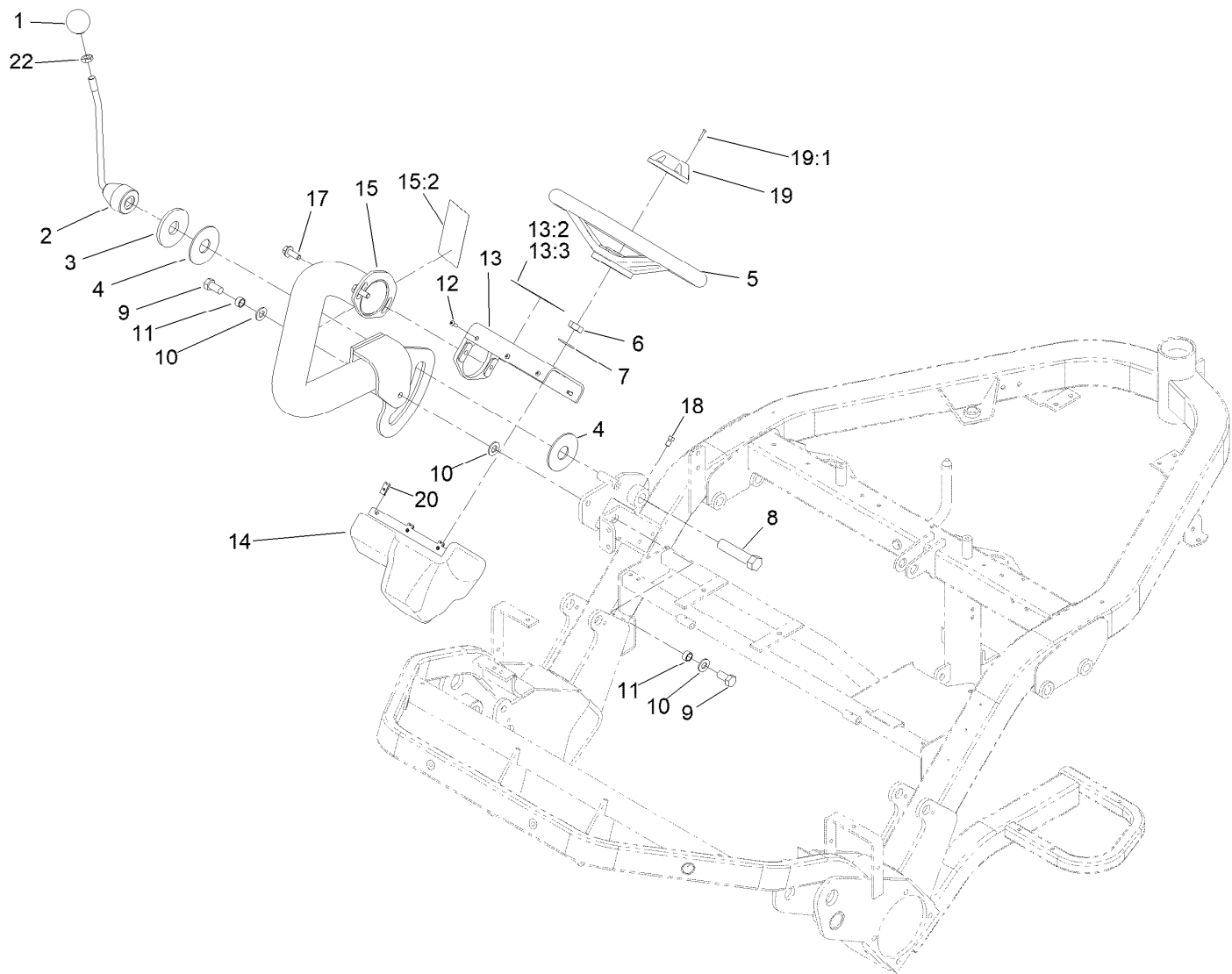
## Traction Control Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 40   | 33093-00    | 1    | Washer-Flat |
| 41   | 99-3545     | 1    | Spacer      |



## Brake Pedal Assembly

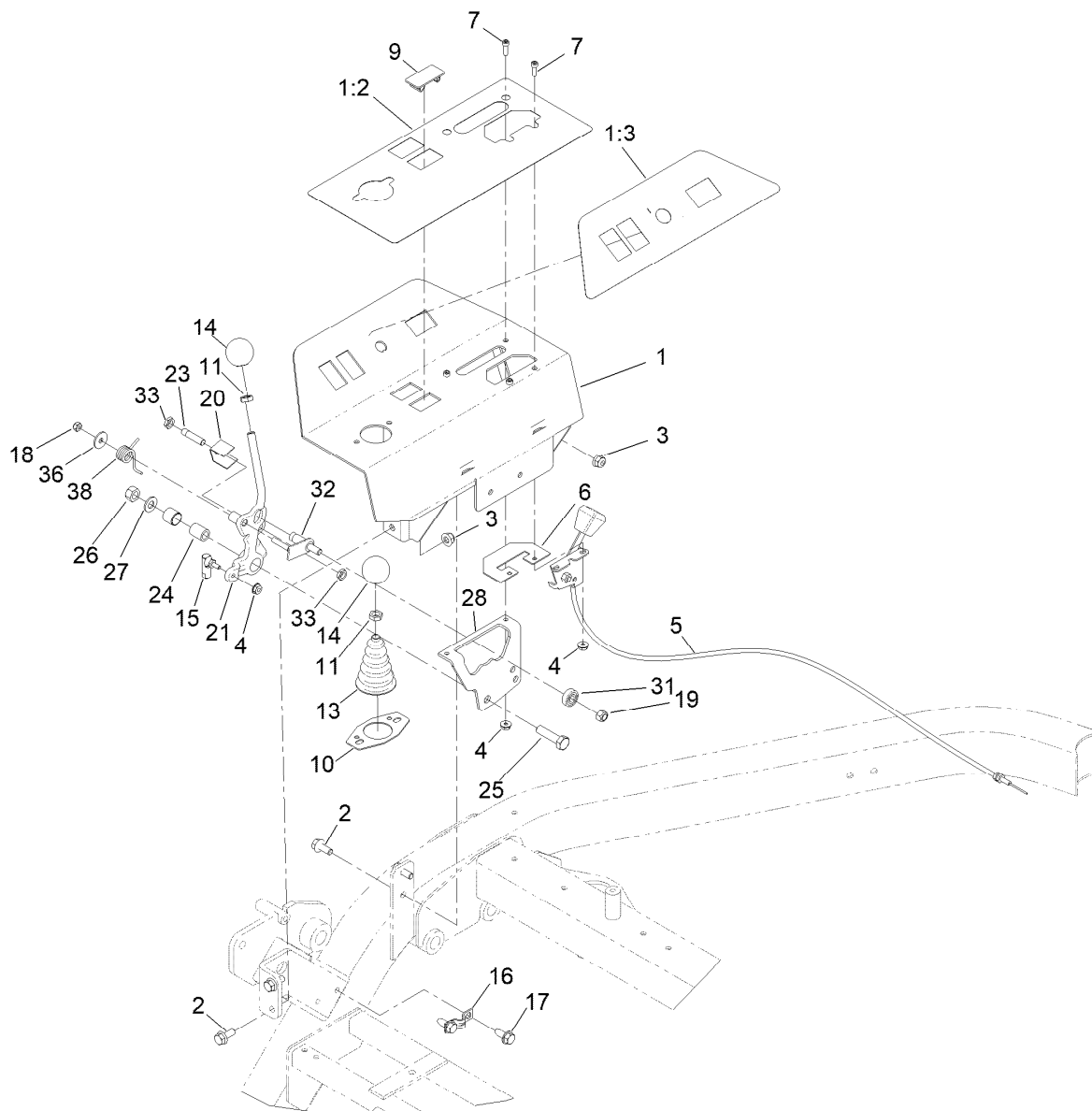
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 3296-16     | 2    | Nut-Lock, NI        |
| 2    | 104-7704    | 1    | Spring-Latch, Brake |
| 4    | 3229-11     | 2    | Screw-CARR          |
| 5    | 132-3807    | 1    | Bracket-Switch      |
| 6    | 104-7703    | 1    | Hinge-Lower         |
| 7    | 104-2094    | 1    | Brake-Latch         |
| 8    | 93-2075-01  | 1    | Brake Pedal ASM     |
| 9    | 93-7629     | 1    | Pad-Foot, Brake     |
| 10   | 283-87      | 2    | Pin-Clevis          |
| 11   | 3256-27     | 2    | Washer-Flat         |
| 12   | 3272-11     | 2    | Pin-Cotter          |
| 13   | 32121-50    | 1    | Pin-Spring          |
| 14   | 75-5470     | 1    | Spacer-Bearing      |



## Steering Arm Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 233-48      | 1    | Knob                 |
| 2    | 93-2400-03  | 1    | Lockup Handle ASM    |
| 3    | 83-0760     | 1    | Spacer-Plate, Lockup |
| 4    | 83-0740     | 2    | Disc-Friction        |
| 5    | 145-0051    | 1    | Steering Wheel       |
| 6    | 3296-33     | 1    | Nut-Lock, NI         |
| 7    | 3256-27     | 1    | Washer-Flat          |
| 8    | 93-2199     | 1    | Screw-HH, RH         |
| 9    | 325-4       | 2    | Screw-HH             |
| 10   | 3256-26     | 3    | Washer-Flat          |
| 11   | 47-2890     | 2    | Bushing              |
| 12   | 3274-39     | 6    | Screw-HSBH           |

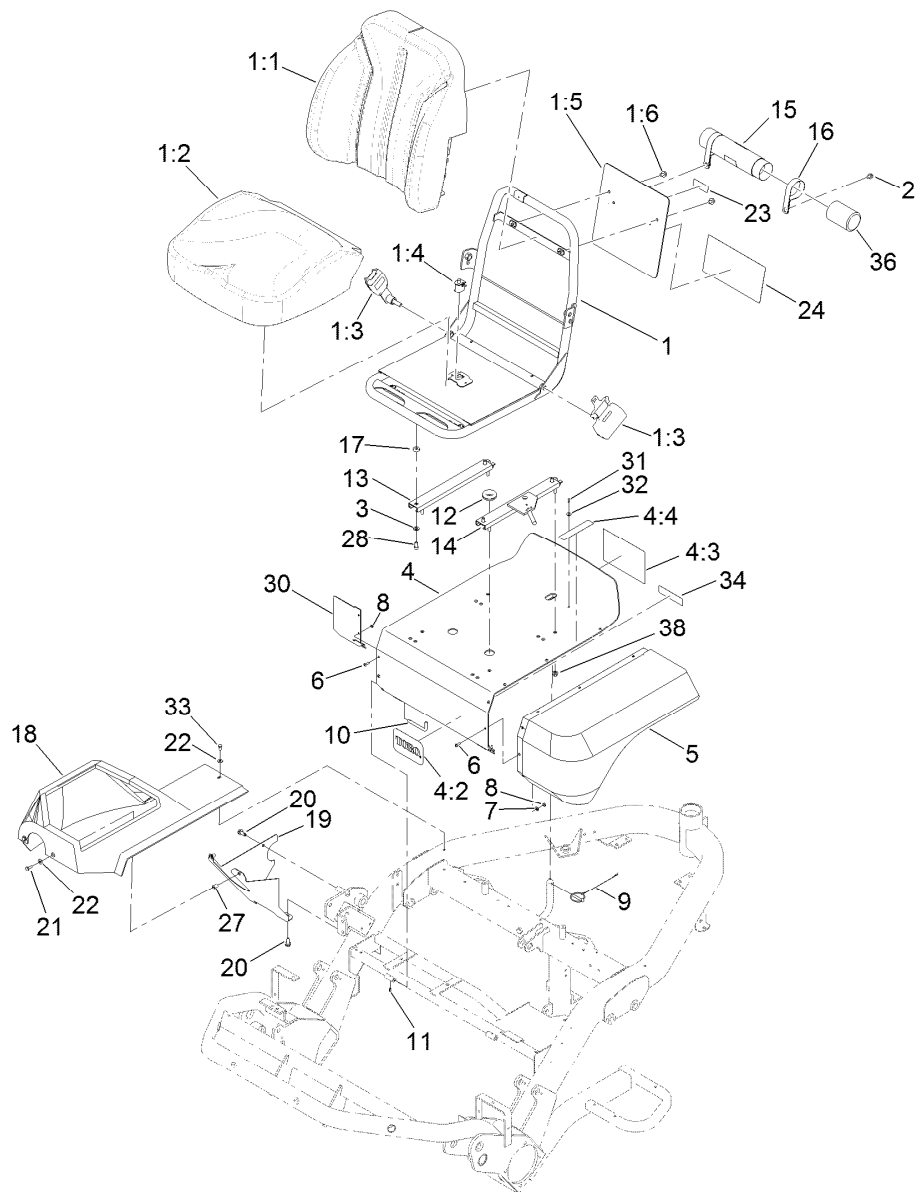
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 13   | 136-8571    | 1    | Mount-Steering        |
| 13:2 | 136-8506    | 1    | Decal-Danger          |
| 13:3 | 136-8505    | 1    | Decal-Danger, CE      |
| 14   | 119-9300    | 1    | Cover-Valve, Steering |
| 15   | 136-8450    | 1    | Arm-Steering          |
| 15:2 | 93-8068     | 1    | Decal-Arm, Steering   |
| 17   | 3234-42     | 2    | Screw-HHF             |
| 18   | 3242-2      | 1    | Screw-SQH             |
| 19   | 68-5140     | 1    | Cap-Wheel, Steering   |
| 19:1 | 32144-21    | 1    | Screw                 |
| 20   | 3290-277    | 6    | Nut-Speed             |
| 22   | 3218-5      | 1    | Nut-Jam               |



## Operator Platform Assembly

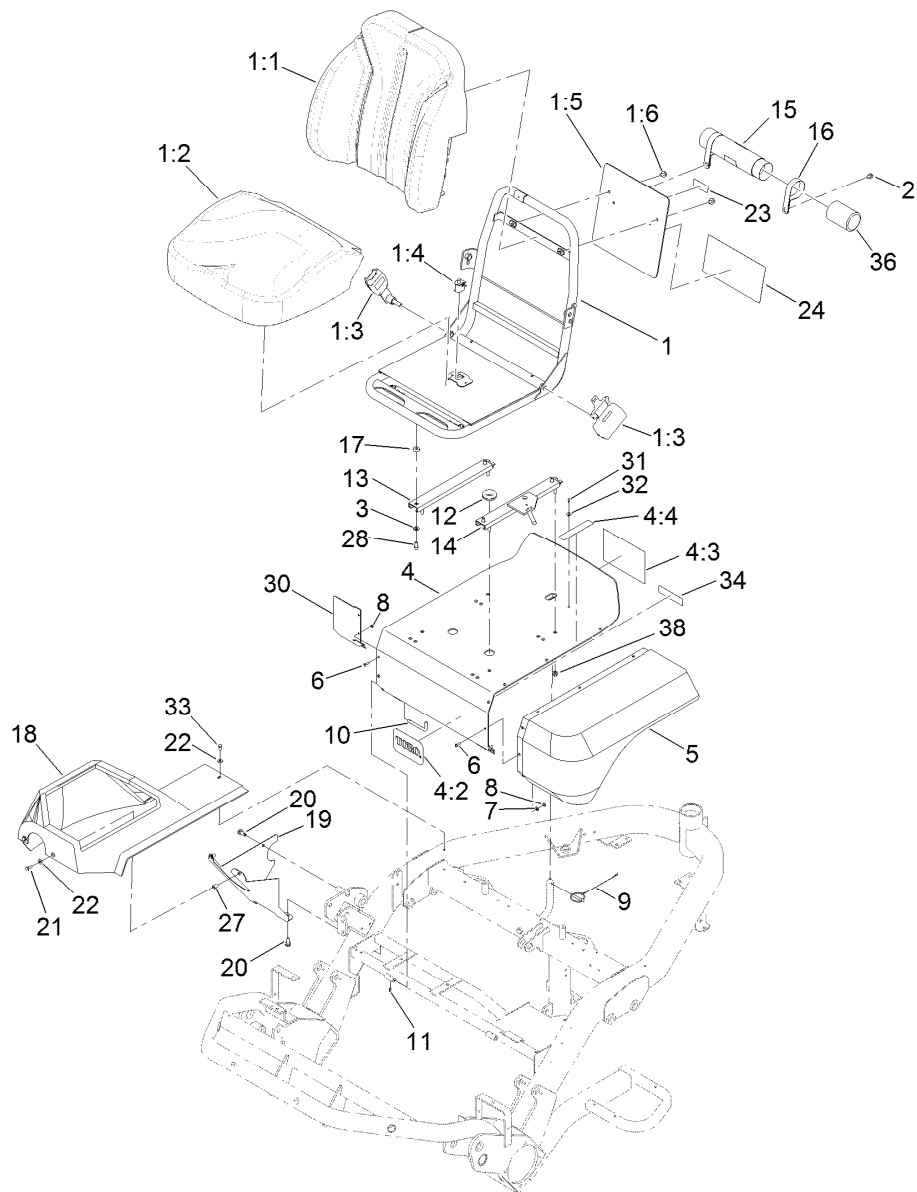
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 136-8572    | 1    | Console                 |
| 1:2  | 127-6115    | 1    | Decal-Panel, Instrument |
| 1:3  | 127-6114    | 1    | Decal-Panel, Instrument |
| 2    | 3234-47     | 4    | Screw-HHF               |
| 3    | 104-8300    | 4    | Nut-HF, NI              |
| 4    | 32149-8     | 5    | Nut-Keps                |
| 5    | 120-5261    | 1    | Control-Throttle        |
| 6    | 112-9179    | 1    | Plate-Cover             |
| 7    | 3273-26     | 4    | Screw-HSH               |
| 9    | 99-7420     | 1    | Plug-Hole               |
| 10   | 112-9181    | 1    | Plate-Boot              |
| 11   | 3218-3      | 2    | Nut-Jam                 |
| 13   | 93-5961     | 1    | Boot-Lever              |
| 14   | 233-42      | 2    | Knob                    |
| 15   | 2411-38     | 1    | Joint-Ball              |
| 16   | 93-2279     | 1    | Clamp-Cable             |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 17   | 32104-32    | 2    | Screw-HWH          |
| 18   | 33023-00    | 1    | Nut-Lock           |
| 19   | 33024-00    | 1    | Nut-Lock, NI       |
| 20   | 106-6356    | 1    | Shield-Switch      |
| 21   | 140-6191    | 1    | Handle Assembly    |
| 23   | 120-5348    | 1    | Actuator-Switch    |
| 24   | 94-1378     | 1    | Tube-Pivot, Handle |
| 25   | 33115-040   | 1    | Screw-HH           |
| 26   | 33025-00    | 1    | Nut-Lock, NI       |
| 27   | 3256-24     | 1    | Washer-Plain       |
| 28   | 94-6398     | 1    | Bracket-Traction   |
| 31   | 251-259     | 1    | Bearing-Ball       |
| 32   | 125-1928    | 1    | Pin                |
| 33   | 117-4059    | 2    | Nut-Hex            |
| 36   | 3256-67     | 1    | Washer             |
| 38   | 94-9620     | 1    | Spring-Torsion     |



## Seat Assembly

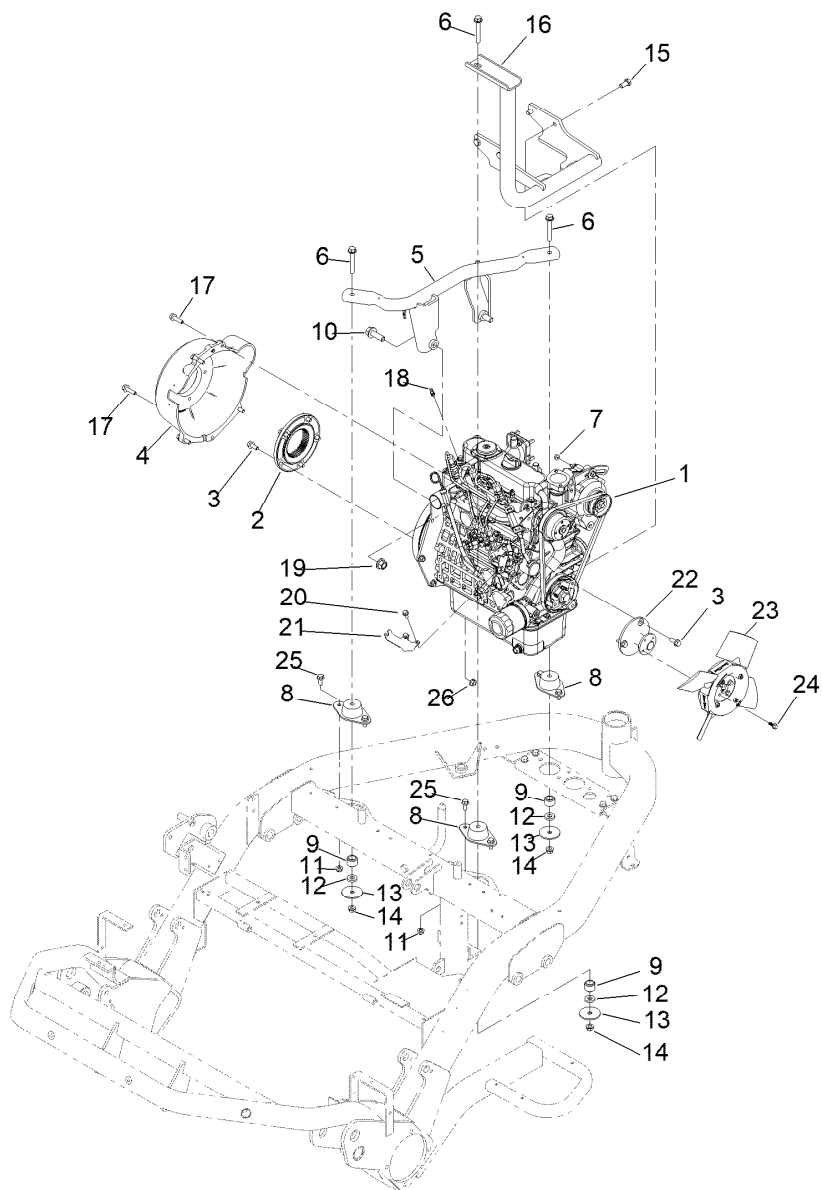
| Ref. | Part Number | Qty. | Description        | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|--------------------|------|-------------|------|----------------------------|
| 1    | 139-2680    | 1    | Seat ASM           | 13   | 92-8990     | 1    | Adjuster-Seat, Non-Locking |
| 1:1  | 145-0083    | 1    | Cover-Seat, Back   | 14   | 92-8991     | 1    | Adjuster (W/Latch)         |
| 1:2  | 145-0084    | 1    | Cover-Seat, Bottom | 15   | 104-7050    | 1    | Tube-Manual                |
| 1:3  | 139-2707    | 1    | Seat Belt Kit      | 16   | 2412-133    | 2    | Clamp-R                    |
| 1:4  | 82-2190     | 1    | Switch-Bail        | 17   | 121-1759    | 4    | Spacer                     |
| 1:5  | 139-2701    | 1    | Plate-Decal        | 18   | 99-4208     | 1    | Shroud-Console             |
| 1:6  | 3234-30     | 2    | Screw-HHF          | 19   | 94-4547-03  | 1    | Panel-Lower, RH            |
| 2    | 32104-82    | 2    | Screw-HHF          | 20   | 32104-32    | 2    | Screw-HWH                  |
| 3    | 3256-23     | 4    | Washer-Plain       | 21   | 33113-016   | 2    | Screw-HH                   |
| 4    | 136-8573    | 1    | Seat Support ASM   | 22   | 3256-1      | 3    | Washer-Flat                |
| 4:2  | 94-2579     | 1    | Decal              | 23   | 93-6686     | 1    | Decal-Oil, HYD             |
| 4:3  | 115-8156    | 1    | Decal-Speed, Clip  | 24   | 121-9501    | 1    | Decal-Service, Spanish     |
| 4:4  | 93-6689     | 1    | Decal-No Riders    | 24   | 121-9502    | 1    | Decal-Service, French      |
| 5    | 93-2128     | 1    | Panel-Base, Seat   | 24   | 121-9503    | 1    | Decal-Service, German      |
| 6    | 3274-39     | 9    | Screw-HSBH         | 24   | 121-9504    | 1    | Decal-Service, Swedish     |
| 7    | 3256-77     | 6    | Washer-Flat        | 24   | 121-9505    | 1    | Decal-Service, Italian     |
| 8    | 3296-12     | 9    | Nut-Lock, NI       | 24   | 121-9506    | 1    | Decal-Service, Portuguese  |
| 9    | 77-3780     | 1    | Pin ASM-Lynch      | 24   | 121-9507    | 1    | Decal-Service, Norwegian   |
| 10   | 93-2422     | 2    | Rod-Pivot, Seat    | 24   | 121-9508    | 1    | Decal-Service, Finnish     |
| 11   | 32121-7     | 2    | Pin-Roll, Slotted  | 24   | 121-9509    | 1    | Decal-Service, Danish      |
| 12   | 237-100     | 1    | Grommet            | 24   | 121-9510    | 1    | Decal-Service, Dutch       |



## Seat Assembly (continued)

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 24   | 121-9511    | 1    | Decal-Service, Japanese |
| 24   | 139-2726    | 1    | Decal-Service, GR3250   |
| 27   | 93-5447     | 2    | Nut-Clinch              |
| 28   | 3274-22     | 4    | Screw-HSH               |
| 30   | 94-4546-03  | 1    | Panel-Extension         |
| 31   | 3290-282    | 1    | Rivet-Blind             |

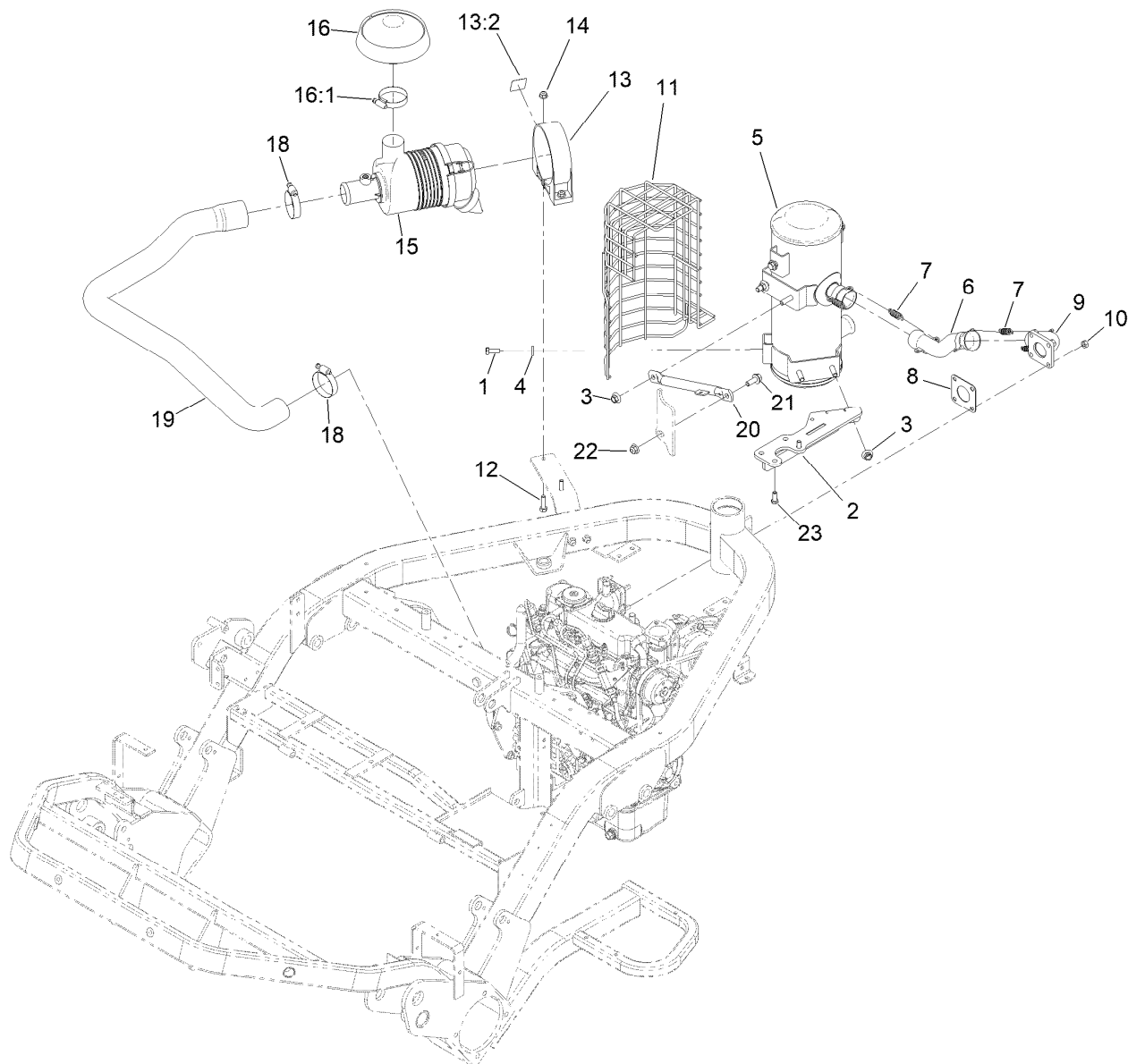
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 32   | 3256-49     | 1    | Washer-Plain         |
| 33   | 33113-012   | 1    | Screw-HH             |
| 34   | 133-8062    | 1    | Decal-Spark Arrestor |
| 36   | 104-7048    | 1    | Cap-Housing          |
| 38   | 104-8300    | 4    | Nut-HF, NI           |



## Engine Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 138-6903    | 1    | Engine-Kubota, D902 |
| 2    | 115-8727    | 1    | Flange-Coupling     |
| 3    | 33104-020   | 8    | Screw-HHF           |
| 4    | 132-6994    | 1    | Housing-Bell        |
| 5    | 120-5313-03 | 1    | Mount-Engine        |
| 6    | 3234-39     | 3    | Screw-HHF           |
| 7    | 33003-00    | 1    | Nut-HF              |
| 8    | 121-9076    | 3    | Mount-Engine        |
| 9    | 94-4538     | 3    | Spacer-Mount        |
| 10   | 100-6116    | 2    | Screw-HHF           |
| 11   | 104-8300    | 6    | Nut-HF, NI          |
| 12   | 66-6480     | 3    | Washer              |
| 13   | 83-1040     | 3    | Washer-Flat         |

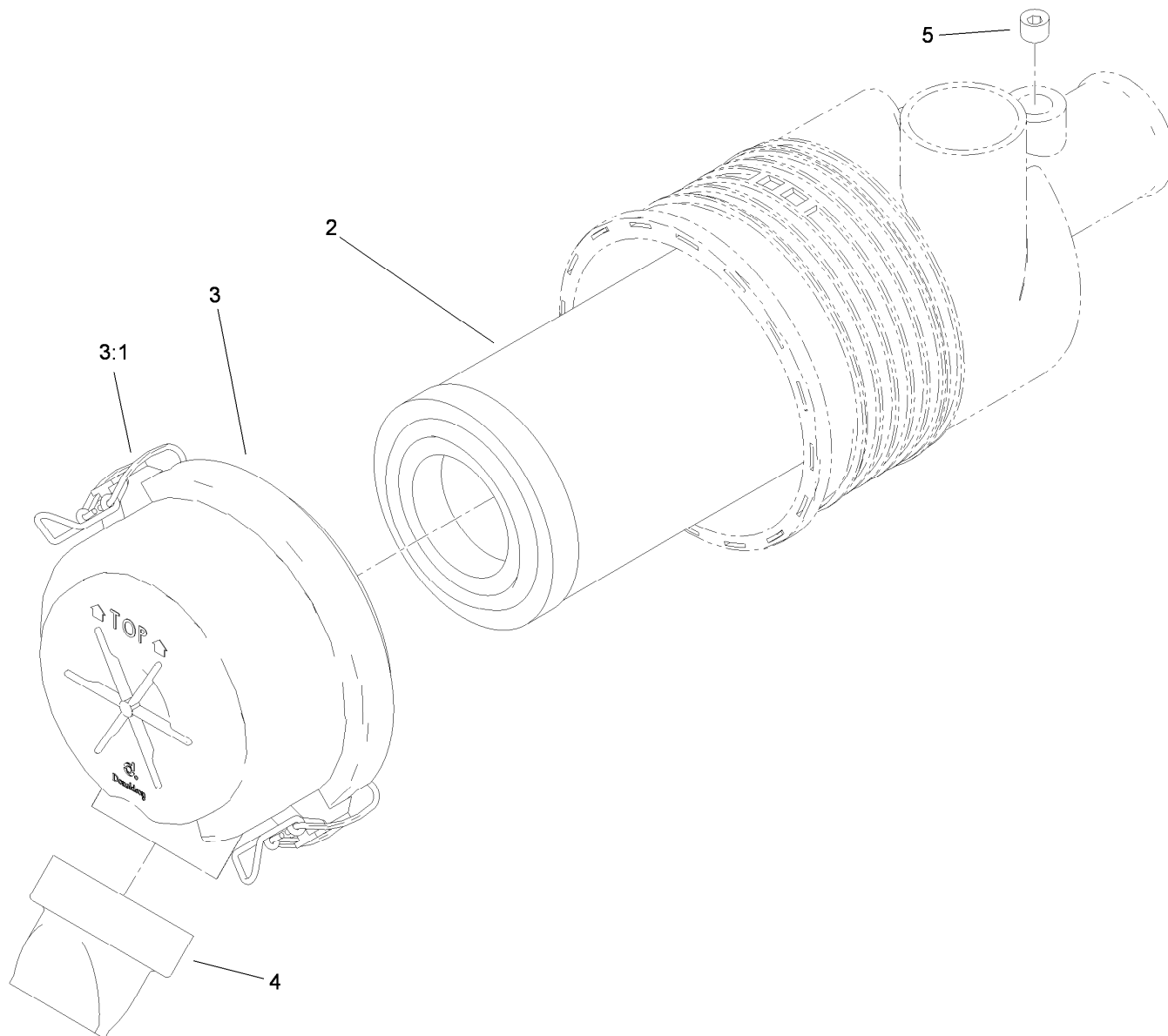
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 14   | 3290-357    | 3    | Nut-HSF                   |
| 15   | 63-7790     | 4    | Screw-Cap                 |
| 16   | 133-2346-03 | 1    | Support-Engine            |
| 17   | 33104-030   | 5    | Screw-HHF                 |
| 18   | 108-5928    | 1    | Swivel-Stop, Cable        |
| 19   | 99-5107     | 2    | Nut-Lock                  |
| 20   | 33103-016   | 2    | Screw-HHF                 |
| 21   | 120-5316    | 1    | Bracket-Support, Throttle |
| 22   | 119-4421    | 1    | Adaptor-Fan               |
| 23   | 120-5287    | 1    | Fan-35 DEG                |
| 24   | 99-6810     | 4    | Screw-HHF                 |
| 25   | 3234-47     | 6    | Screw-HHF                 |
| 26   | 33004-00    | 1    | Nut-HF                    |



## Intake and Exhaust Assembly

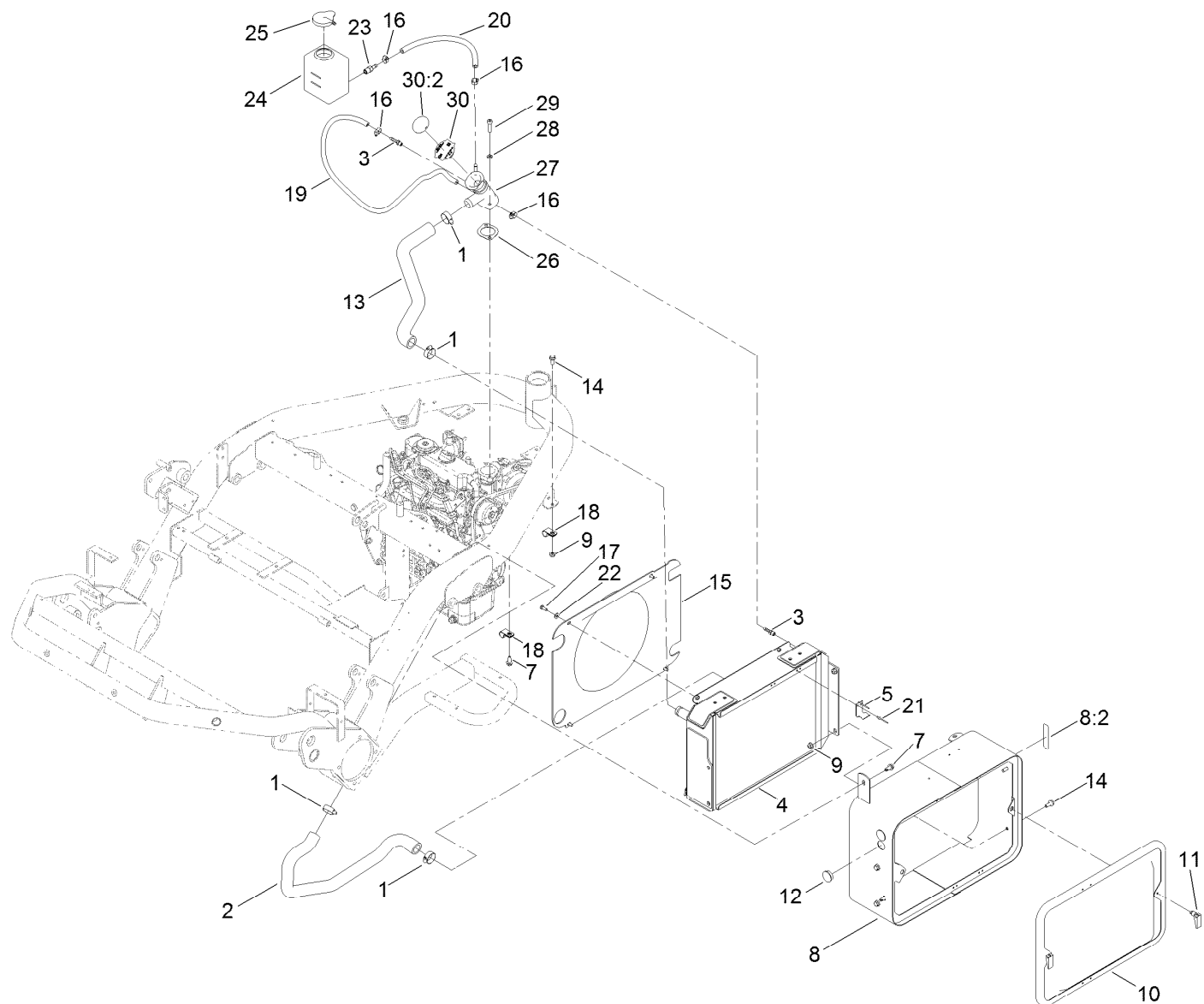
| Ref. | Part Number | Qty. | Description                        |
|------|-------------|------|------------------------------------|
| 1    | 323-5       | 4    | Screw-HH                           |
| 2    | 140-5219-03 | 1    | Bracket-Support, Muffler<br>[black |
| 3    | 32128-19    | 4    | Nut-HF Lock, Large Flg             |
| 4    | 100-4852    | 4    | Washer-Hardened                    |
| 5    | 120-1950    | 1    | Muffler                            |
| 6    | 114-8013    | 1    | Pipe-Exhaust                       |
| 7    | 104-6478    | 4    | Spring-Extension                   |
| 8    | 99-8343     | 1    | Gasket-Muffler                     |
| 9    | 114-8009    | 1    | Plate-Exhaust                      |
| 10   | 33014-00    | 4    | Nut-Hex                            |
| 11   | 145-4559-03 | 1    | Shield-Muffler                     |
| 12   | 322-16      | 2    | Screw-HH                           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 13   | 136-8574    | 1    | Bracket-Air Cleaner |
| 13:2 | 115-8155    | 1    | Decal-Warning       |
| 14   | 104-8300    | 2    | Nut-HF, NI          |
| 15   | 95-5805     | 1    | Air Cleaner ASM     |
| 16   | 136-7859    | 1    | Rain Cap Kit        |
| 16:1 | 1-643009    | 1    | Clamp-Hose          |
| 18   | 2412-92     | 2    | Clamp-Hose          |
| 19   | 119-3536    | 1    | Hose-Air Cleaner    |
| 20   | 120-5317-03 | 1    | Tube-Brace          |
| 21   | 3234-42     | 1    | Screw-HHF           |
| 22   | 104-8301    | 1    | Nut-HF, NI          |
| 23   | 33114-020   | 2    | Screw-HH            |



## Air Cleaner Assembly No. 95-5805

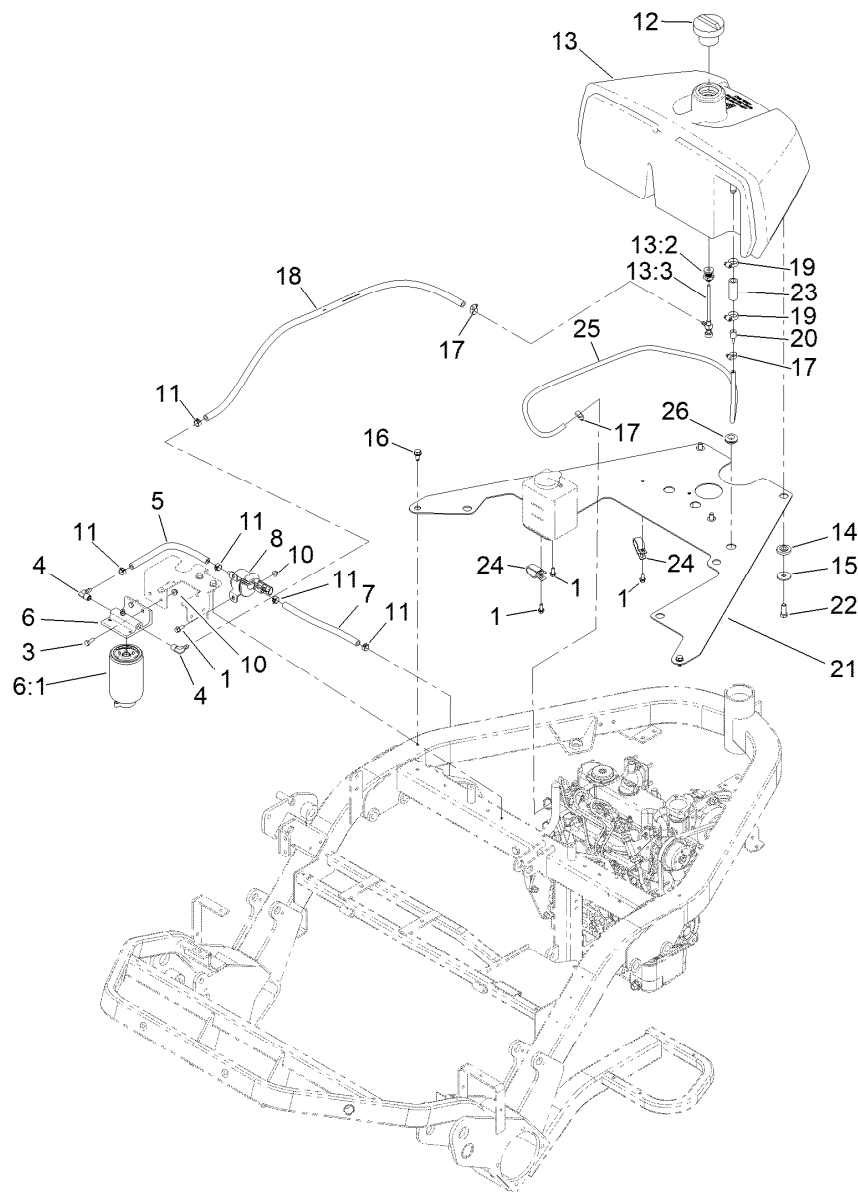
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 2    | 108-3811    | 1    | Filter-Air V-Twin HD |
| 3    | 94-3652     | 1    | Cover ASM            |
| 3:1  | 1-643283    | 2    | Latch-Cleaner, Air   |
| 4    | 87-9400     | 1    | Valve-Vacuator       |
| 5    | 285-17      | 1    | Plug-Pipe            |



## Radiator Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 2412-34     | 4    | Clamp-Hose            |
| 2    | 119-3554    | 1    | Hose-Radiator, Lower  |
| 3    | 304-73      | 2    | Fitting-Straight      |
| 4    | 145-4583    | 1    | Radiator              |
| 5    | 104-7736    | 1    | Bracket-Cooler, Upper |
| 7    | 32104-32    | 3    | Screw-HWH             |
| 8    | 136-8575    | 1    | Radiator-Support      |
| 8:2  | 93-6681     | 1    | Decal-Warning, Fan    |
| 9    | 104-8300    | 5    | Nut-HF, NI            |
| 10   | 100-3172-03 | 1    | Screen ASM            |
| 11   | 74-5950     | 2    | Latch-Swell           |
| 12   | 94-4528     | 2    | Plug                  |
| 13   | 119-3556    | 1    | Hose-Radiator, Upper  |
| 14   | 3234-47     | 5    | Screw-HHF             |
| 15   | 119-3571    | 1    | Shroud-Fan            |
| 16   | 2412-108    | 4    | Clamp-Worm            |

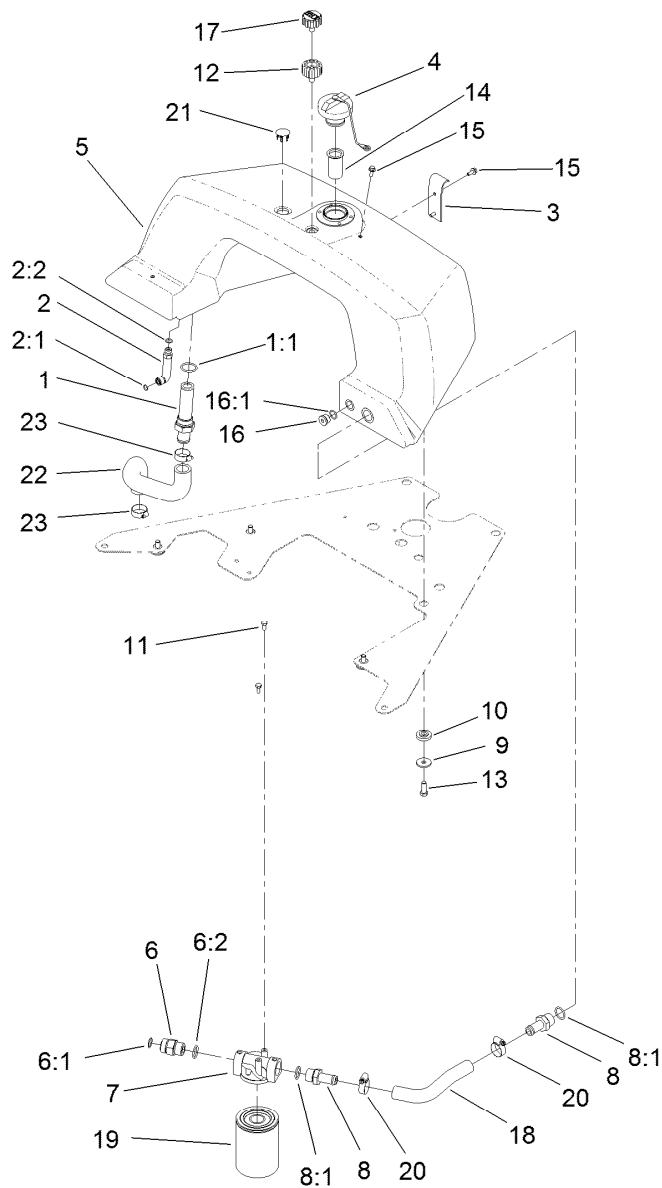
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 17   | 33113-016   | 4    | Screw-HH             |
| 18   | 2412-41     | 2    | Clamp-R              |
| 19   | 109-0286    | 1    | Hose-Fuel            |
| 20   | 110-4101    | 1    | Hose-Fuel            |
| 21   | 130-6520    | 2    | Rivet-Pop            |
| 22   | 3256-22     | 4    | Washer-Flat          |
| 23   | 353-783     | 1    | Fitting-STR          |
| 24   | 120-5260    | 1    | Tank-Overflow        |
| 25   | 1-643164    | 1    | Cap-Tank, Overflow   |
| 26   | 105-3748    | 1    | Gasket-Thermostat    |
| 27   | 119-3532    | 1    | Blade (Discontinued) |
| 28   | 3253-4      | 2    | Washer-Lock          |
| 29   | 94-3559     | 2    | Screw-HSH            |
| 30   | 136-8582    | 1    | Cap-Radiator         |
| 30:2 | 117-3276    | 1    | Decal-Danger         |



## Fuel System Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 3234-33     | 5    | Screw-HHF                  |
| 3    | 321-4       | 2    | Screw-HH                   |
| 4    | 353-781     | 2    | Fitting-HYD, 90            |
| 5    | 145-4571    | 1    | Hose-Fuel                  |
| 6    | 110-9044    | 1    | Separator-Filter           |
| 6:1  | 110-9049    | 1    | Filter-Spin On, Fuel/Water |
| 7    | 145-4570    | 1    | Hose-Fuel                  |
| 8    | 145-3154    | 1    | Pump-Fuel, Electric        |
| 10   | 104-7201    | 4    | Nut-HF, NI                 |
| 11   | 92-2379     | 5    | Clamp-Hose                 |
| 12   | 115-5305    | 1    | Cap-Fuel                   |
| 13   | 132-3801    | 1    | Tank ASM                   |
| 13:2 | 114-4677    | 1    | Bulkhead ASM               |
| 13:3 | 114-4679    | 1    | Fitting-Shut Off, Fuel     |

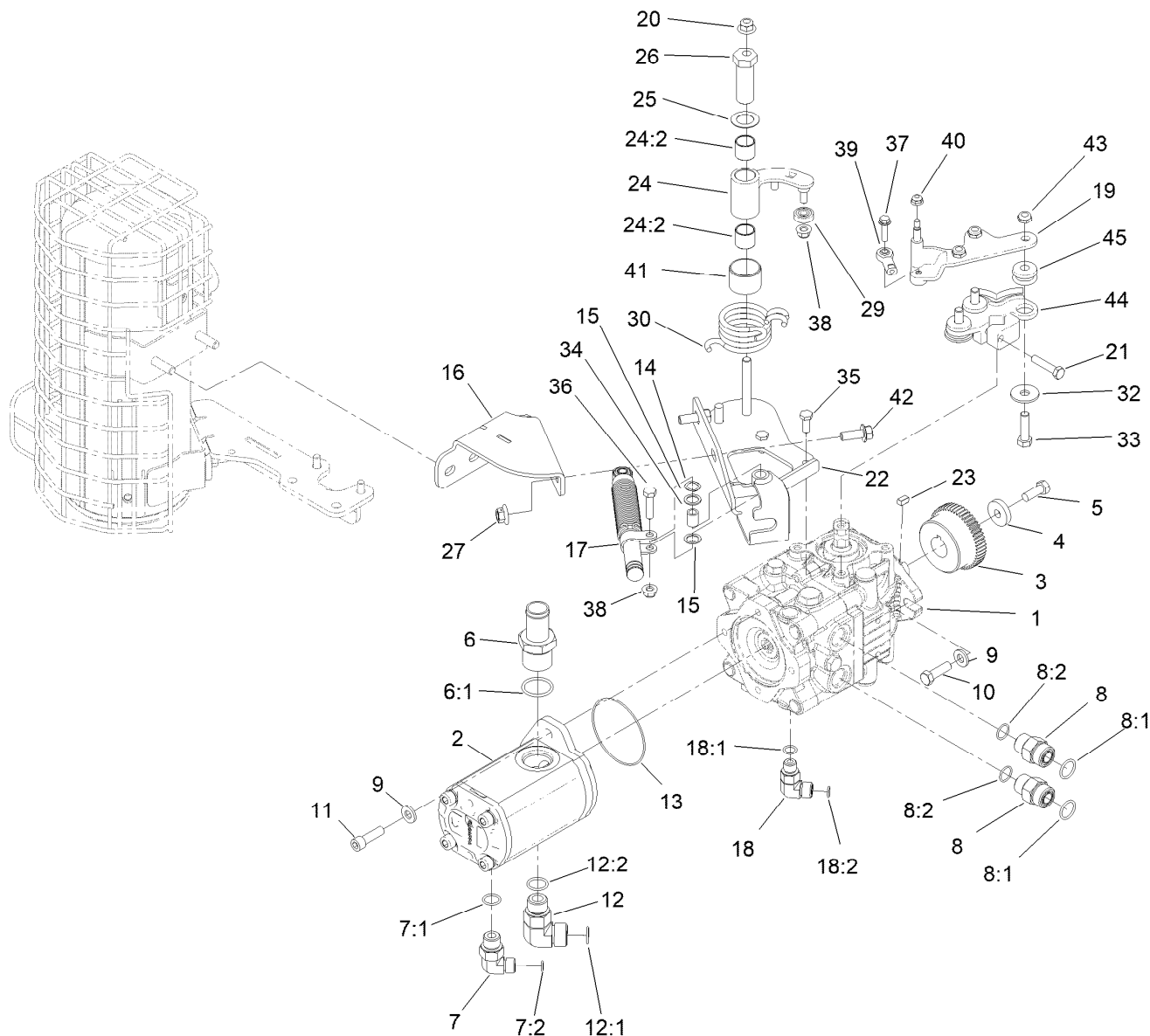
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 14   | 240-11      | 3    | Bushing-Flange |
| 15   | 63-8410     | 3    | Washer         |
| 16   | 32104-32    | 3    | Screw-HWH      |
| 17   | 2412-108    | 3    | Clamp-Worm     |
| 18   | 145-4572    | 1    | Hose-Fuel      |
| 19   | 2412-36     | 2    | Clamp-Hose     |
| 20   | 112-0212    | 1    | Fitting-Fuel   |
| 21   | 119-3531-01 | 1    | Plate          |
| 22   | 323-6       | 3    | Screw-HH       |
| 23   | 106-1128    | 1    | Hose-Fuel      |
| 24   | 92-5753     | 2    | Clamp-Hose     |
| 25   | 117-6395    | 1    | Hose-Fuel      |
| 26   | 237-124     | 1    | Grommet        |



## Hydraulic Tank and Filter Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 112-0211    | 1    | Strainer Fitting ASM  |
| 1:1  | 237-146     | 1    | O-Ring                |
| 2    | 340-87      | 1    | Fitting-Elbow, 45 DEG |
| 2:1  | 237-22      | 1    | O-Ring                |
| 2:2  | 237-42      | 1    | O-Ring                |
| 3    | 93-2438     | 1    | Clamp-Tank, Fuel      |
| 4    | 93-7160     | 1    | Cap-Oil, HYD          |
| 5    | 132-3799    | 1    | Tank-Hydraulic        |
| 6    | 340-9       | 1    | Fitting-STR           |
| 6:1  | 237-58      | 1    | O-Ring                |
| 6:2  | 237-81      | 1    | O-Ring                |
| 7    | 92-5821     | 1    | Head-Filter           |
| 8    | 354-73      | 2    | Fitting               |
| 8:1  | 237-81      | 1    | O-Ring                |
| 9    | 63-8410     | 4    | Washer                |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 240-11      | 4    | Bushing-Flange   |
| 11   | 321-3       | 2    | Screw-HH         |
| 12   | 92-8020     | 1    | Adapter-Breather |
| 13   | 323-6       | 4    | Screw-HH         |
| 14   | 93-2275     | 1    | Screen-Filler    |
| 15   | 33103-016   | 3    | Screw-HHF        |
| 16   | 353-988     | 1    | Plug-Hex         |
| 16:1 | 237-79      | 1    | O-Ring           |
| 17   | 68-6150     | 1    | Breather         |
| 18   | 94-9607     | 1    | Hose-Return      |
| 19   | 107-9531    | 1    | Filter-Oil, HYD  |
| 20   | 2412-129    | 2    | Clamp-Hose       |
| 21   | 93-2437     | 1    | Plug-Serrated    |
| 22   | 140-5225    | 1    | Hose-Inlet, Pump |
| 23   | 2412-34     | 2    | Clamp-Hose       |

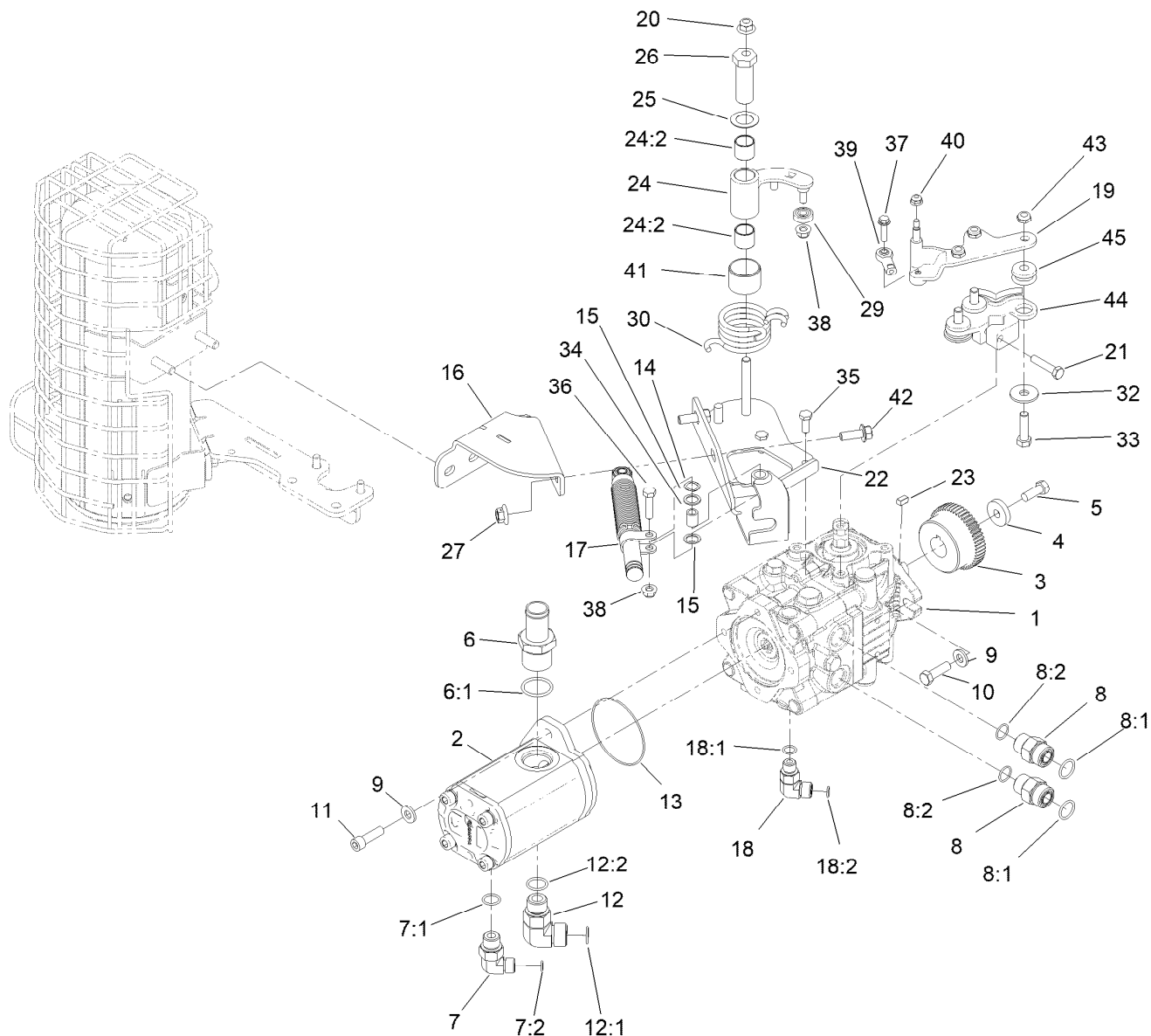


## Hydrostat and Gear Pump Drive Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 139-6474    | 1    | Pump-Hydro, Danfoss   |
| 2    | 114-9956    | 1    | HYD Gear Pump ASM     |
| 3    | 119-4418    | 1    | Coupling              |
| 4    | 138-8594    | 1    | Spacer                |
| 5    | 3211-4      | 1    | Screw-HH              |
| 6    | 354-78      | 1    | Fitting-STR           |
| 6:1  | 237-146     | 1    | O-Ring                |
| 7    | 340-18      | 1    | Fitting-HYD, 90 DEG   |
| 7:1  | 237-79      | 1    | O-Ring                |
| 7:2  | 237-22      | 1    | O-Ring                |
| 8    | 340-7       | 2    | Fitting-Straight      |
| 8:1  | 237-65      | 1    | O-Ring                |
| 8:2  | 237-80      | 1    | O-Ring                |
| 9    | 100-4852    | 4    | Washer-Hardened       |
| 10   | 323-7       | 2    | Screw-HH              |
| 11   | AU862-10030 | 2    | Screw-HSH             |
| 12   | 340-17      | 1    | Fitting-Elbow, 90 DEG |
| 12:1 | 237-65      | 1    | O-Ring                |

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 12:2 | 237-80      | 1    | O-Ring                       |
| 13   | 237-161     | 1    | O-Ring                       |
| 14   | 108473      | 1    | Washer-Wave                  |
| 15   | 94-8196     | 2    | Washer-Nylon                 |
| 16   | 140-5216-03 | 1    | Bracket-Mount [black]        |
| 17   | 140-6248    | 1    | Damper                       |
| 18   | 340-77      | 1    | Fitting-Elbow, 90 DEG        |
| 18:1 | 237-22      | 1    | O-Ring                       |
| 18:2 | 237-42      | 1    | O-Ring                       |
| 19   | 140-5221    | 1    | Lever-Hydro                  |
| 20   | 104-8301    | 1    | Nut-HF, NI                   |
| 21   | 120-2779    | 1    | Screw-HH                     |
| 22   | 140-5211-03 | 1    | Bracket-Cable, Hydro [black] |
| 23   | 145-4589    | 1    | Key-Squ                      |
| 24   | 145-0071    | 1    | Neutral Arm ASM              |
| 24:2 | 94-9609     | 2    | Bushing-Straight             |
| 25   | 119-8199    | 1    | Washer-Nylon                 |

● Not illustrated

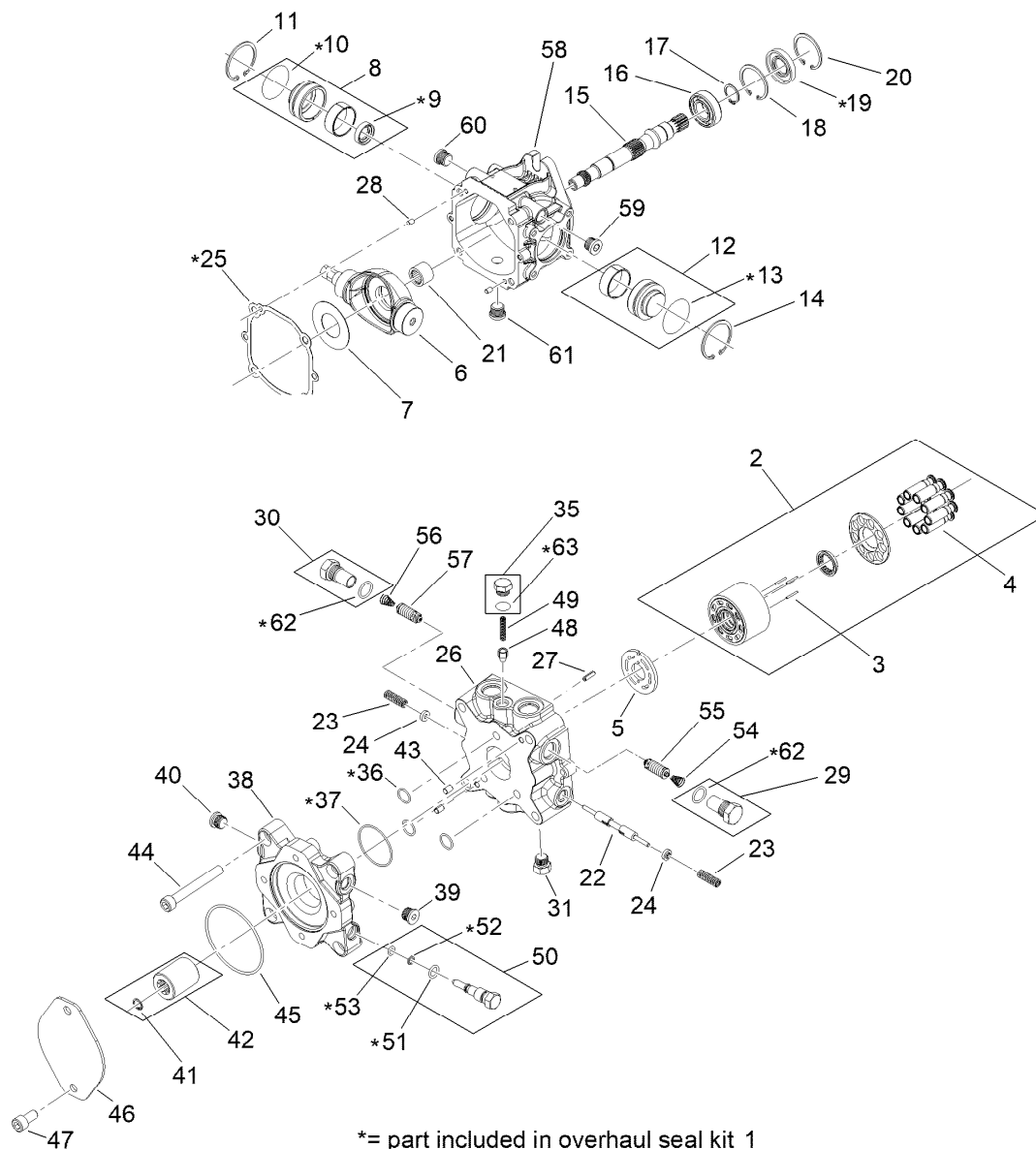


## Hydrostat and Gear Pump Drive Assembly (continued)

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 26   | 117-9046    | 1    | Stud-Eccentric         |
| 27   | 32128-19    | 2    | Nut-HF Lock, Large Flg |
| 29   | 251-259     | 1    | Bearing-Ball           |
| 30   | 117-9047    | 1    | Spring-Torsion         |
| 31   | 322-5       | 1    | Screw-HH ●             |
| 32   | 93-8806     | 3    | Washer-Hardened        |
| 33   | 323-29      | 3    | Screw-HH               |
| 34   | 94-8197     | 1    | Tube-Pivot             |
| 35   | 33114-020   | 2    | Screw-HH               |
| 36   | 322-6       | 1    | Screw-HH               |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 37   | 119-1066    | 1    | Screw-HHF, Patch   |
| 38   | 104-8300    | 2    | Nut-HF, NI         |
| 39   | 2411-41     | 1    | Rod End-Ball Joint |
| 40   | 104-7201    | 1    | Nut-HF, NI         |
| 41   | 136-8418    | 1    | Bushing            |
| 42   | 139-2597    | 2    | Screw-HHF          |
| 43   | 3296-59     | 3    | Nut-Lock, NI       |
| 44   | 140-5231    | 1    | Cam-Neutral        |
| 45   | 63-9750     | 3    | Mount              |

● Not illustrated

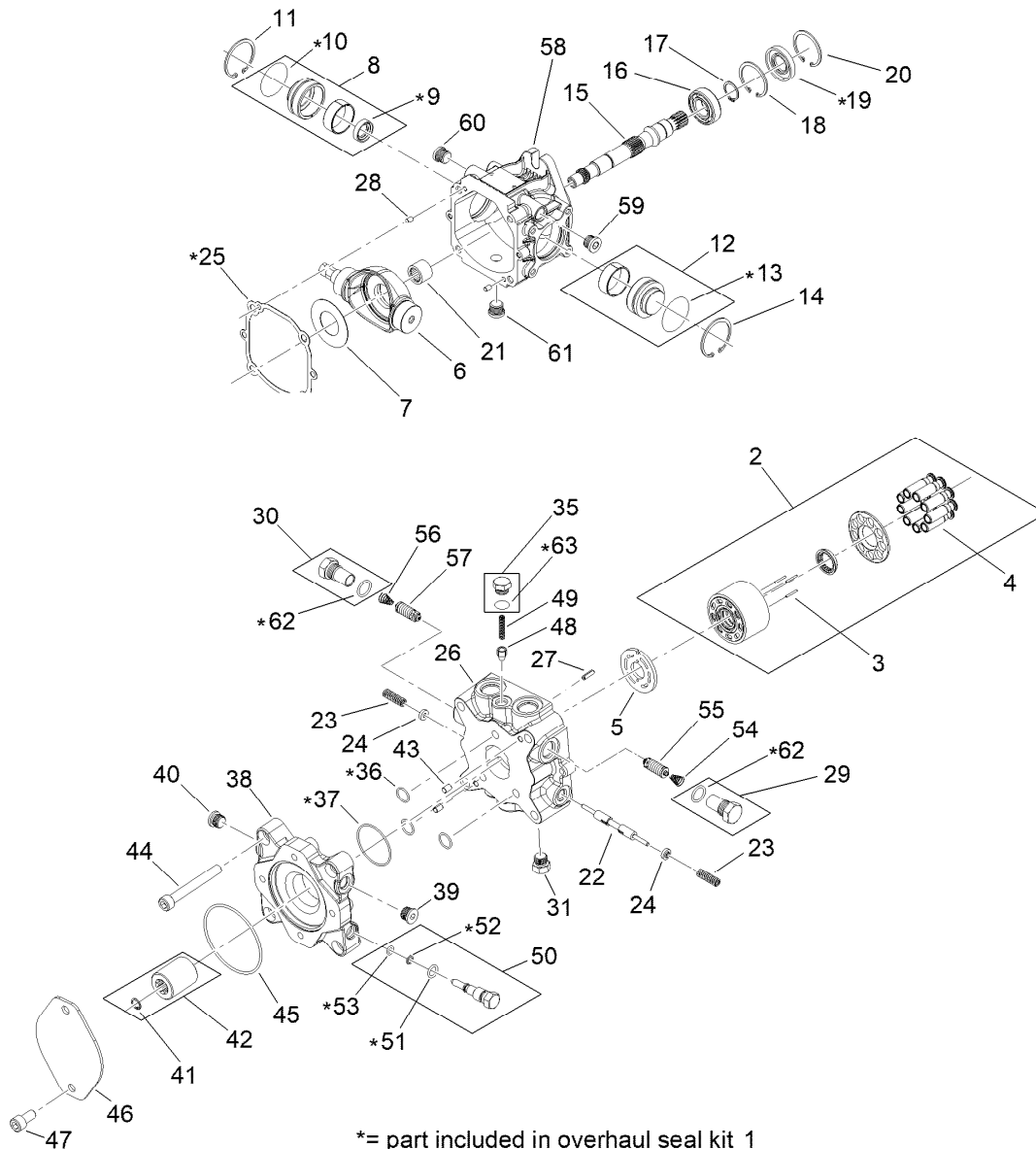


\*= part included in overhaul seal kit 1

## Hydraulic Pump Assembly No. 139-6474

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 136-1010    | 1    | Seal Overhaul Kit        |
| 2    | 145-2670    | 1    | Kit-Cylinder Block       |
| 3    | 145-2671    | 3    | Pin-Slipper Holddown     |
| 4    | 145-2672    | 9    | Piston Assy              |
| 5    | 145-2673    | 1    | Valveplate-Pump          |
| 6    | 145-2674    | 1    | Swashplate               |
| 7    | 145-2675    | 1    | Plate-Thrust             |
| 8    | 145-2676    | 1    | Journal Carrier (A) Assy |
| 9    | 145-2677    | 1    | Seal Lip                 |
| 10   | 145-2678    | 1    | O-Ring                   |
| 11   | 145-2679    | 1    | Ring-Retaining           |
| 12   | 145-2680    | 1    | Journal Carrier (B) Assy |
| 13   | 145-2681    | 1    | O-Ring                   |
| 14   | 145-2682    | 1    | Ring-Retaining           |
| 15   | 145-2683    | 1    | Shaft-Pump               |
| 16   | 136-1017    | 1    | Bearing-Ball             |
| 17   | 136-1018    | 1    | Ring-Retaining           |
| 18   | 136-1019    | 1    | Ring-Retaining           |
| 19   | 136-1021    | 1    | Seal-Lip, Shaft          |
| 20   | 136-1019    | 1    | Ring-Retaining           |
| 21   | 145-2689    | 1    | Needle Bearing           |

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 22   | 145-2690    | 1    | Spool-Flushing  |
| 23   | 145-2691    | 2    | Spring Flushing |
| 24   | 145-2692    | 2    | Guide Spring    |
| 25   | 136-1023    | 1    | Gasket-Cap, End |
| 26   | 145-2694    | 1    | Endcap          |
| 27   | 145-2695    | 1    | Pin-Slitted     |
| 28   | 145-2696    | 2    | Pin-Straight    |
| 29   | 145-2697    | 1    | Plug Assy       |
| 30   | 145-2698    | 1    | Plug Assy       |
| 31   | 136-1026    | 1    | Plug ASM        |
| 35   | 145-2703    | 1    | Plug Assy       |
| 36   | 136-1032    | 3    | O-Ring          |
| 37   | 145-2705    | 1    | O-Ring          |
| 38   | 145-2706    | 1    | Adapter         |
| 39   | 145-2707    | 1    | Plug Assy       |
| 40   | 145-2708    | 1    | Plug Assy       |
| 41   | 145-2709    | 1    | Ring-Retaining  |
| 42   | 145-2710    | 1    | Coupling Assy   |
| 43   | 145-2711    | 2    | Pin-Straight    |
| 44   | 145-2712    | 4    | Screw-Soc       |
| 45   | 131-7607    | 1    | O-Ring          |

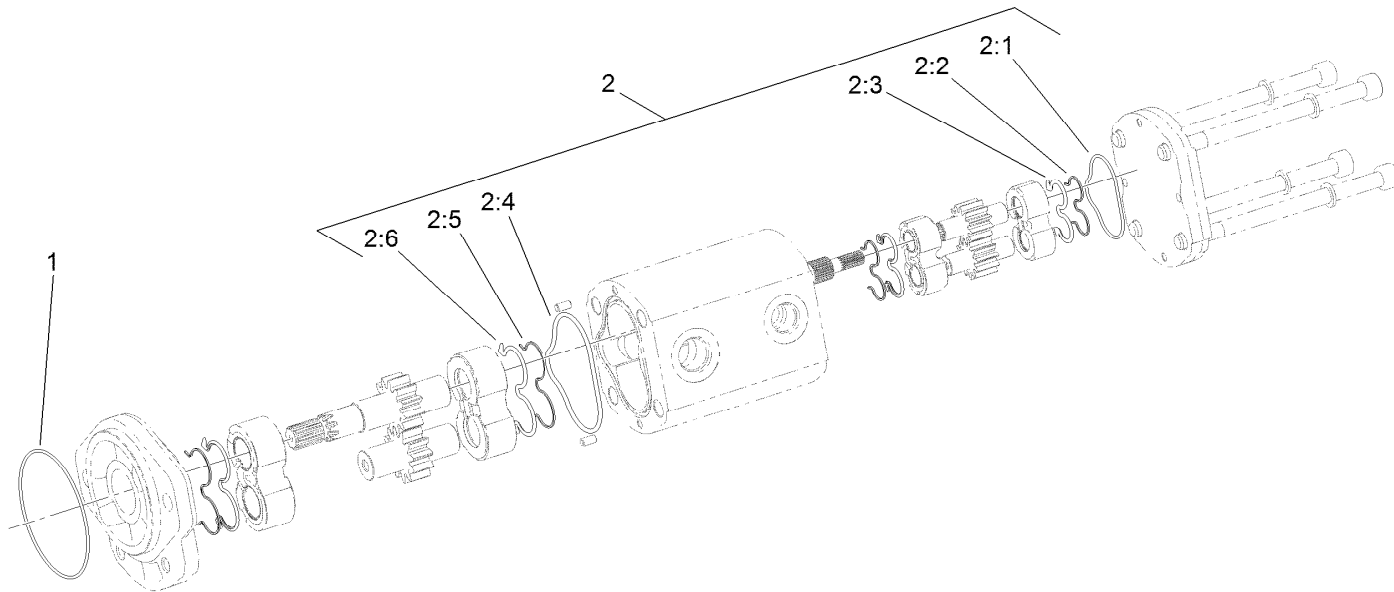


\*= part included in overhaul seal kit 1

## Hydraulic Pump Assembly No. 139-6474 (continued)

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 46   | 145-2714    | 1    | Flange Cover       |
| 47   | 145-2715    | 2    | Screw-Soc          |
| 48   | 145-2716    | 1    | Cone Relief Valve  |
| 49   | 145-2717    | 1    | Spring             |
| 50   | 145-2718    | 1    | Valve Assy-Bypass  |
| 51   | 145-2719    | 1    | O-Ring             |
| 52   | 145-2720    | 1    | Ring-Back Up       |
| 53   | 145-2721    | 1    | O-Ring             |
| 54   | 145-2722    | 1    | Spring-Compression |

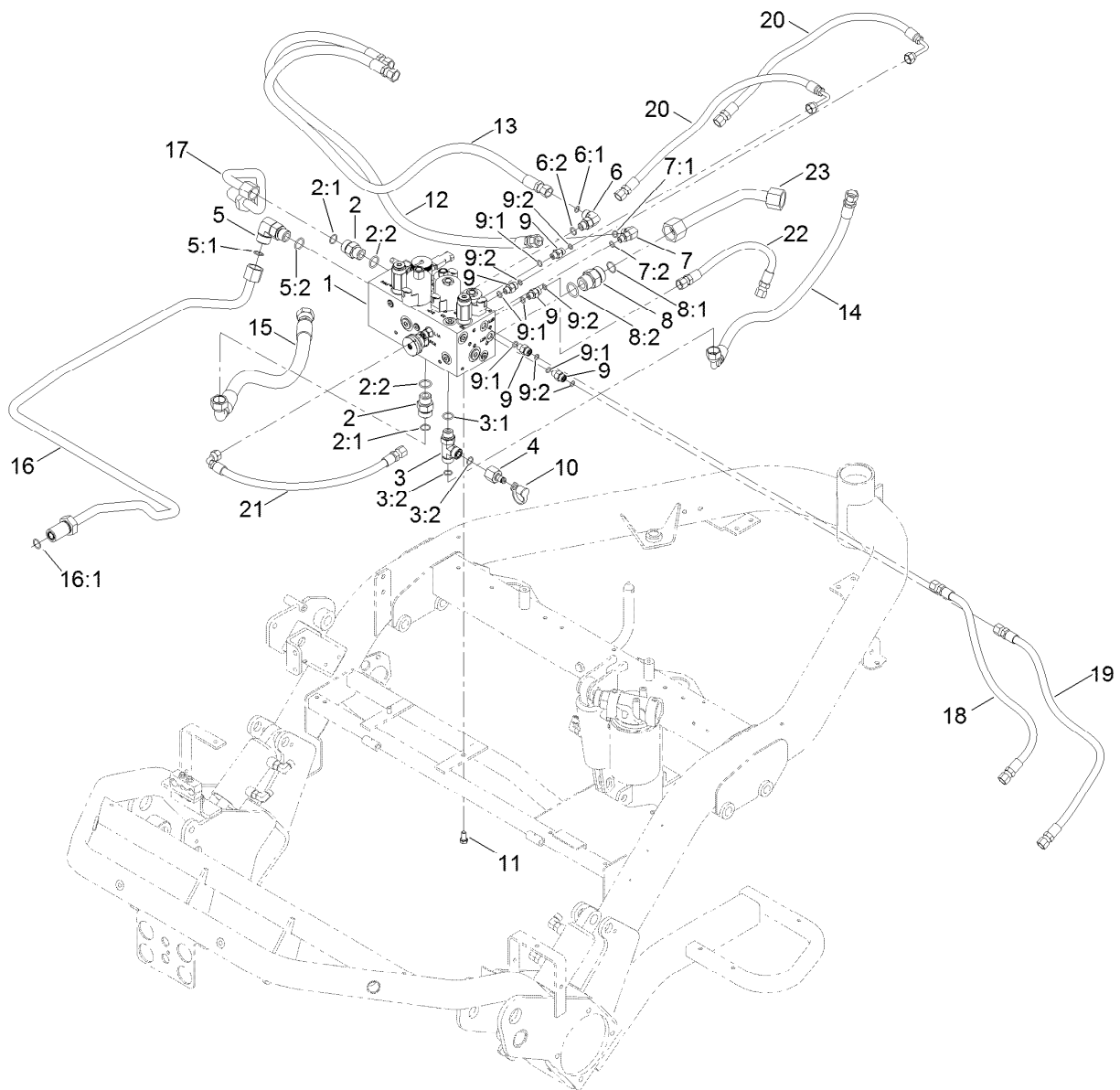
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 55   | 145-2723    | 1    | Valve Assy-Scr      |
| 56   | 145-2724    | 1    | Spring-Compression  |
| 57   | 145-2725    | 1    | Valve Assy-Scr      |
| 58   | 145-2726    | 1    | Housing A-Pad Ddc20 |
| 59   | 145-2727    | 1    | Plug Assy-Soc       |
| 60   | 145-2728    | 1    | Plug Assy-Soc       |
| 61   | 145-2729    | 1    | Plug Assy-Soc       |
| 62   | 145-2730    | 2    | O-Ring              |
| 63   | 145-2731    | 1    | O-Ring              |



## Hydraulic Gear Pump Assembly No. 114-9956

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 353-949     | 1    | O-Ring                 |
| 2    | 119-7134    | 1    | Kit-Seal               |
| 2:1  |             | 1    | O-Ring ●               |
| 2:2  |             | 2    | Seal-Extrusion, Anti ● |
| 2:3  |             | 2    | Seal-Backup ●          |
| 2:4  |             | 1    | O-Ring ●               |
| 2:5  |             | 2    | Seal-Extrusion, Anti ● |
| 2:6  |             | 2    | Seal-Backup ●          |

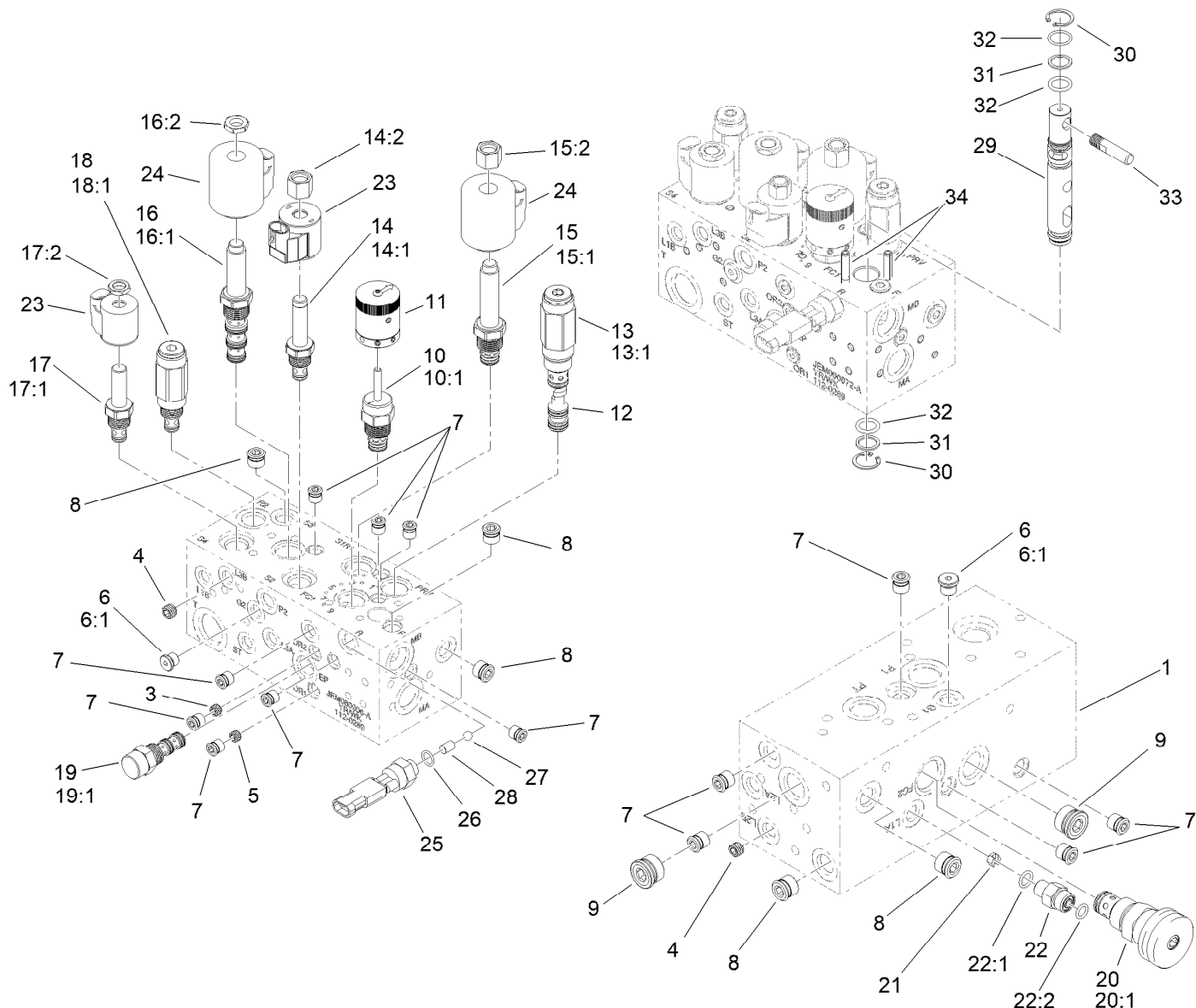
● Not serviced separately



## Manifold Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 147-3077    | 1    | Block-Manifold        |
| 2    | 340-7       | 2    | Fitting-Straight      |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-80      | 1    | O-Ring                |
| 3    | 340-109     | 1    | Fitting-Tee           |
| 3:1  | 237-79      | 1    | O-Ring                |
| 3:2  | 237-30      | 2    | O-Ring                |
| 4    | 100-5616    | 1    | Fitting               |
| 5    | 340-17      | 1    | Fitting-Elbow, 90 DEG |
| 5:1  | 237-65      | 1    | O-Ring                |
| 5:2  | 237-80      | 1    | O-Ring                |
| 6    | 340-77      | 1    | Fitting-Elbow, 90 DEG |
| 6:1  | 237-22      | 1    | O-Ring                |
| 6:2  | 237-42      | 1    | O-Ring                |
| 7    | 340-97      | 1    | Fitting-Elbow, 90 DEG |
| 7:1  | 237-22      | 1    | O-Ring                |
| 7:2  | 237-78      | 1    | O-Ring                |
| 8    | 340-9       | 1    | Fitting-STR           |
| 8:1  | 237-58      | 1    | O-Ring                |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 8:2  | 237-81      | 1    | O-Ring           |
| 9    | 340-92      | 5    | Fitting-Straight |
| 9:1  | 237-78      | 1    | O-Ring           |
| 9:2  | 237-21      | 1    | O-Ring           |
| 10   | 354-79      | 1    | Cap-Dust         |
| 11   | 33114-016   | 2    | Screw-HH         |
| 12   | 95-8842     | 1    | Hose-HYD         |
| 13   | 105-9790    | 1    | Hose ASM         |
| 14   | 140-5226    | 1    | Hose ASM         |
| 15   | 131-6206    | 1    | Hose ASM         |
| 16   | 94-1320     | 1    | Tube-HYD         |
| 16:1 | 237-65      | 1    | O-Ring           |
| 17   | 94-1317     | 1    | Tube-HYD         |
| 18   | 131-2004    | 1    | Hose ASM         |
| 19   | 131-2005    | 1    | Hose ASM         |
| 20   | 131-2006    | 2    | Hose ASM         |
| 21   | 112-9185    | 1    | Hose ASM         |
| 22   | 106-7981    | 1    | Hose-HYD         |
| 23   | 94-4518     | 1    | Tube ASM         |



## Hydraulic Manifold Assembly No. 147-3077

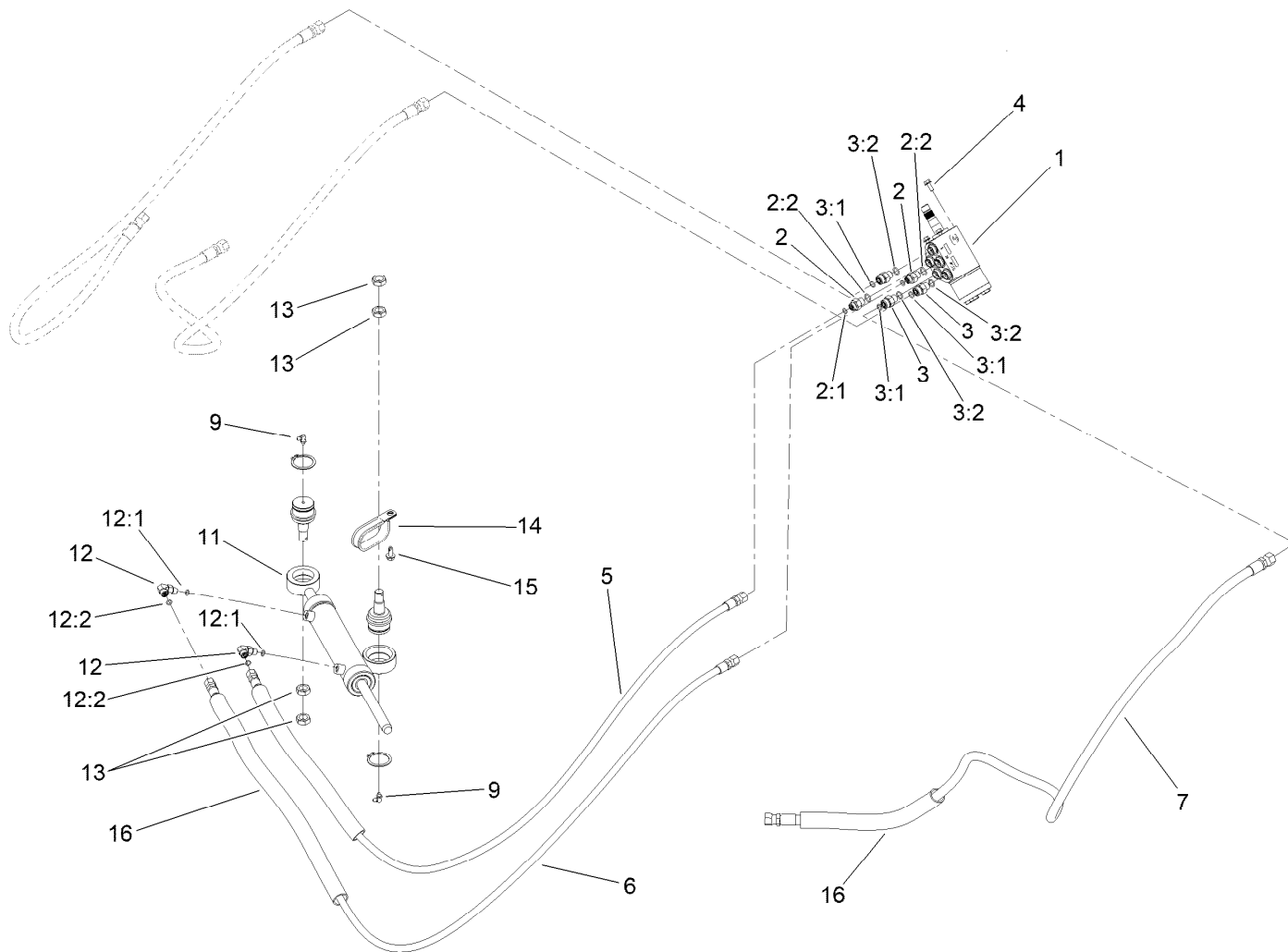
| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|------------------------------|------|-------------|------|-----------------------------------|
| 1    |             | 1    | Body-Manifold ●              | 15   | 110-8768    | 1    | Valve-Relief, Solenoid (3000 PSI) |
| 3    | 112-9202    | 1    | Orifice-Flow, Control (.060) | 15:1 | 110-6316    | 1    | Seal Kit                          |
| 4    | 110-8887    | 2    | Plug-Orifice (0.055)         | 15:2 | 130-8180    | 1    | Nut-Coil (9/16-24 Unef-2B)        |
| 5    | 112-9203    | 1    | Orifice-Control, Flow (.013) | 16   | 110-8906    | 1    | Valve-Solenoid                    |
| 6    | 353-990     | 2    | Plug ASM                     | 16:1 | 110-8908    | 1    | Spool Valve Seal Kit              |
| 6:1  | 237-78      | 1    | O-Ring                       | 16:2 | 110-2634    | 1    | Nut-Coil                          |
| 7    | 106-1025    | 13   | Plug-HYD                     | 17   | 112-9206    | 1    | Solenoid Valve ASM                |
| 8    | 106-1026    | 5    | Plug-HYD                     | 17:1 | 105-9156    | 1    | Seal Kit                          |
| 9    | 106-1027    | 2    | Plug                         | 17:2 | 110-2634    | 1    | Nut-Coil                          |
| 10   | 147-3068    | 1    | Valve-Control, Manual Flow   | 18   | 133-8873    | 1    | Valve-Relief                      |
| 10:1 | 132-6231    | 1    | Seal Kit                     | 18:1 | 105-9156    | 1    | Seal Kit                          |
| 11   | 110-8767    | 1    | Rotary Handle ASM            | 19   | 110-8988    | 1    | Element-Logic                     |
| 12   | 119-3506    | 1    | Piston-Pilot                 | 19:1 | 110-8773    | 1    | Seal Kit                          |
| 13   | 112-9205    | 1    | Valve-Relief                 | 20   | 119-4136    | 1    | Control-Flow                      |
| 13:1 | 105-9159    | 1    | Seal Kit                     | 20:1 | 110-2633    | 1    | Seal Kit                          |
| 14   | 107-7517    | 1    | Valve-Solenoid               | 21   | 110-8903    | 1    | Orifice-Control, Flow (0.055)     |
| 14:1 | 105-9156    | 1    | Seal Kit                     | 22   | 340-92      | 1    | Fitting-Straight                  |
| 14:2 | 107-7812    | 1    | Nut-Solenoid                 |      |             |      |                                   |

● Not serviced separately



| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b> |
|-------------|--------------------|-------------|--------------------|
| 28          | 112-6533           | 1           | Pin-Dowel          |
| 29          | 112-6536           | 1           | Spool              |
| 30          | 112-6532           | 2           | Ring-Retaining     |
| 31          | 112-6534           | 2           | Ring-Back Up       |
| 32          | 117-4606           | 3           | O-Ring             |
| 33          | 110-8758           | 1           | Handle-Spool       |
| 34          | 112-6531           | 2           | Pin-Spring         |

3470-951A

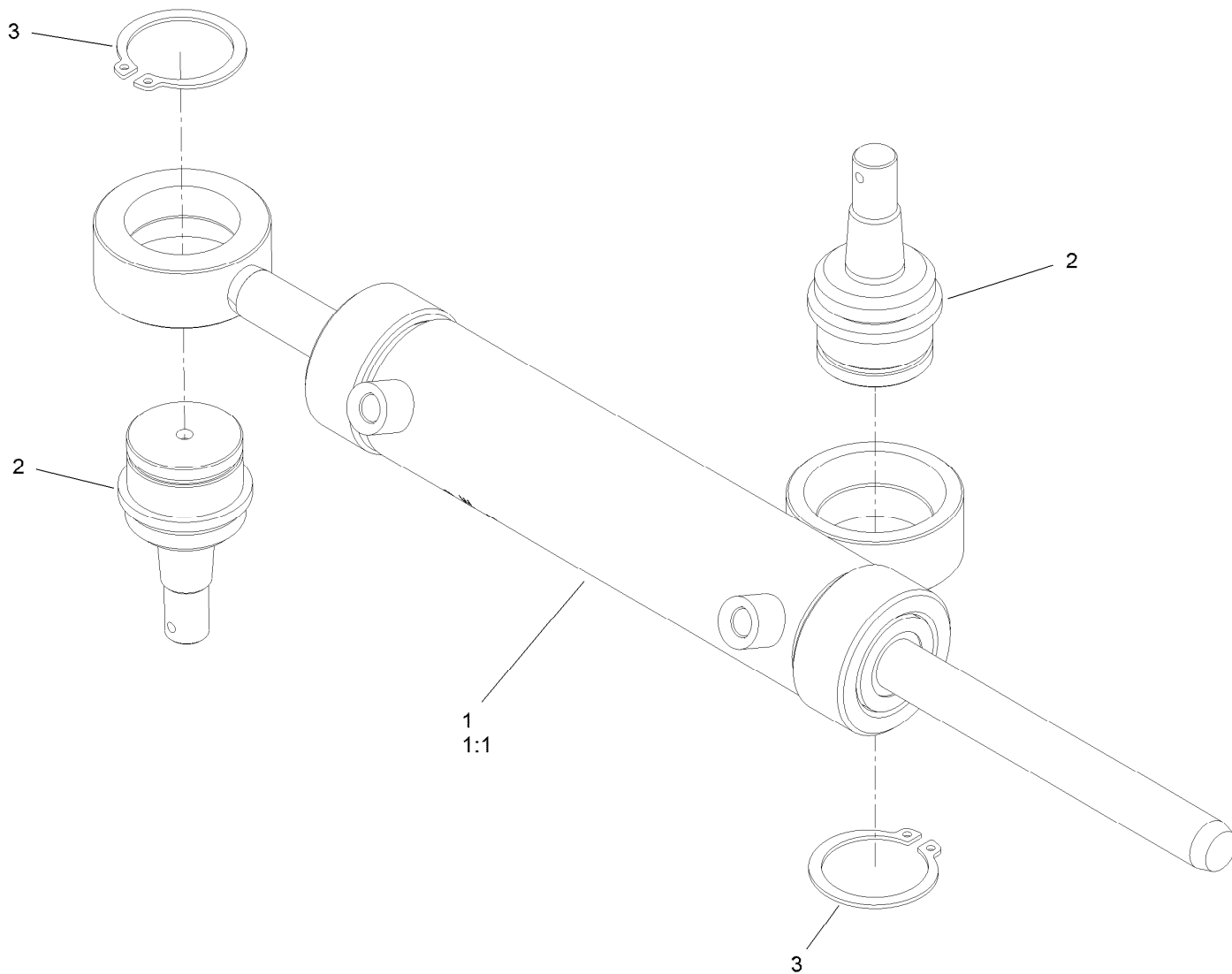


## Steering Valve Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 114-4672    | 1    | Steering Valve ASM |
| 2    | 340-1       | 2    | Fitting-Straight   |
| 2:1  | 237-21      | 1    | O-Ring             |
| 2:2  | 237-42      | 1    | O-Ring             |
| 3    | 340-2       | 3    | Fitting-Straight   |
| 3:1  | 237-22      | 1    | O-Ring             |
| 3:2  | 237-42      | 1    | O-Ring             |
| 4    | 33103-016   | 4    | Screw-HHF          |
| 5    | 93-2270     | 1    | HYD Hose ASM       |
| 6    | 108-5675    | 1    | Hydraulic Hose ASM |

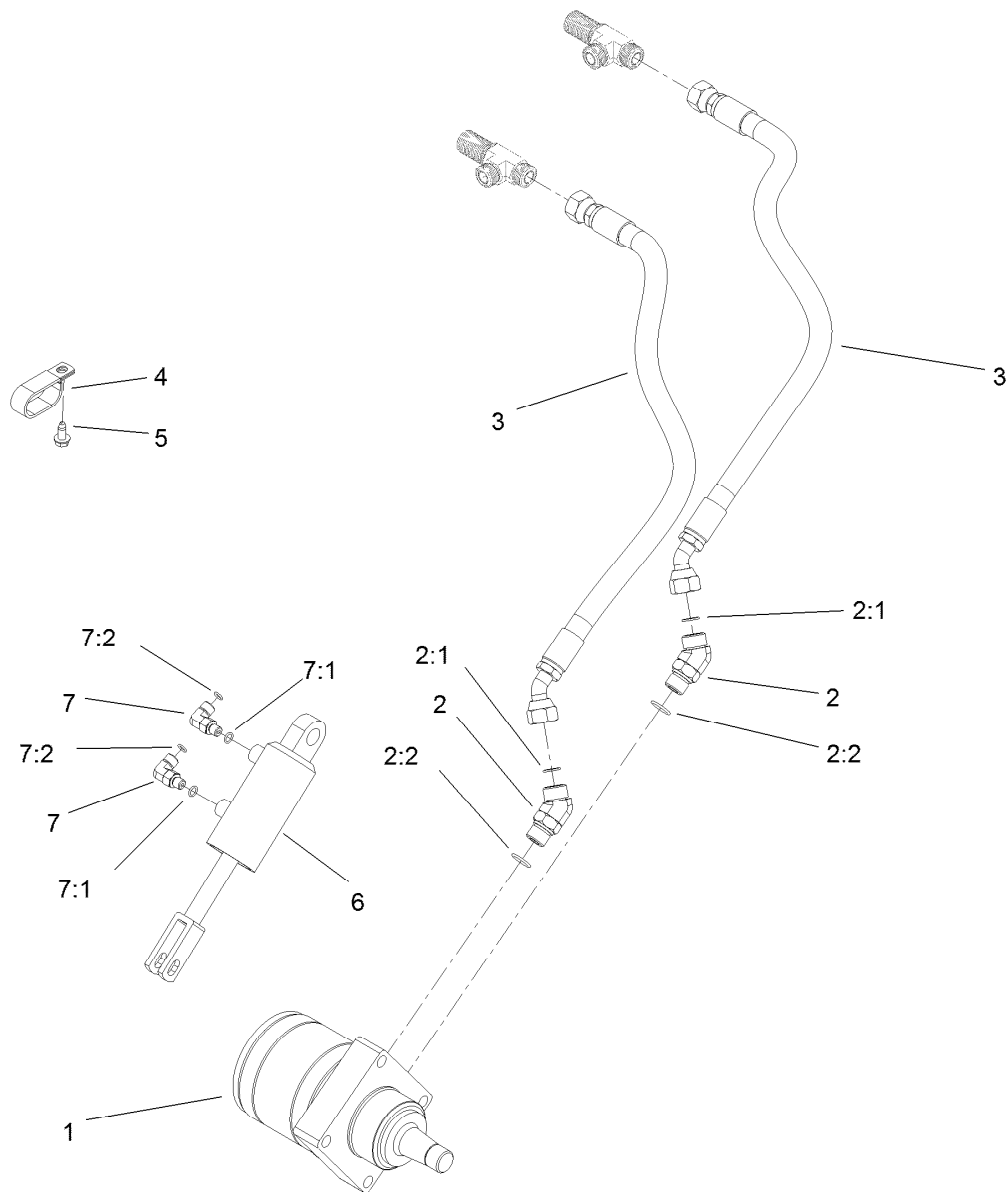
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 7    | 105-4339    | 1    | Hose-HYD              |
| 9    | 302-60      | 2    | Fitting-Grease        |
| 11   | 161-4698    | 1    | Steering Cylinder ASM |
| 12   | 340-132     | 2    | Fitting-Elbow, 90 DEG |
| 12:1 | 237-78      | 1    | O-Ring                |
| 12:2 | 237-21      | 1    | O-Ring                |
| 13   | 3220-6      | 4    | Nut-Jam               |
| 14   | 127-0516    | 1    | Clamp-R, Double       |
| 15   | 32104-32    | 1    | Screw-HWH             |
| 16   | 133-9032    | 3    | Convuluted Hose Cover |





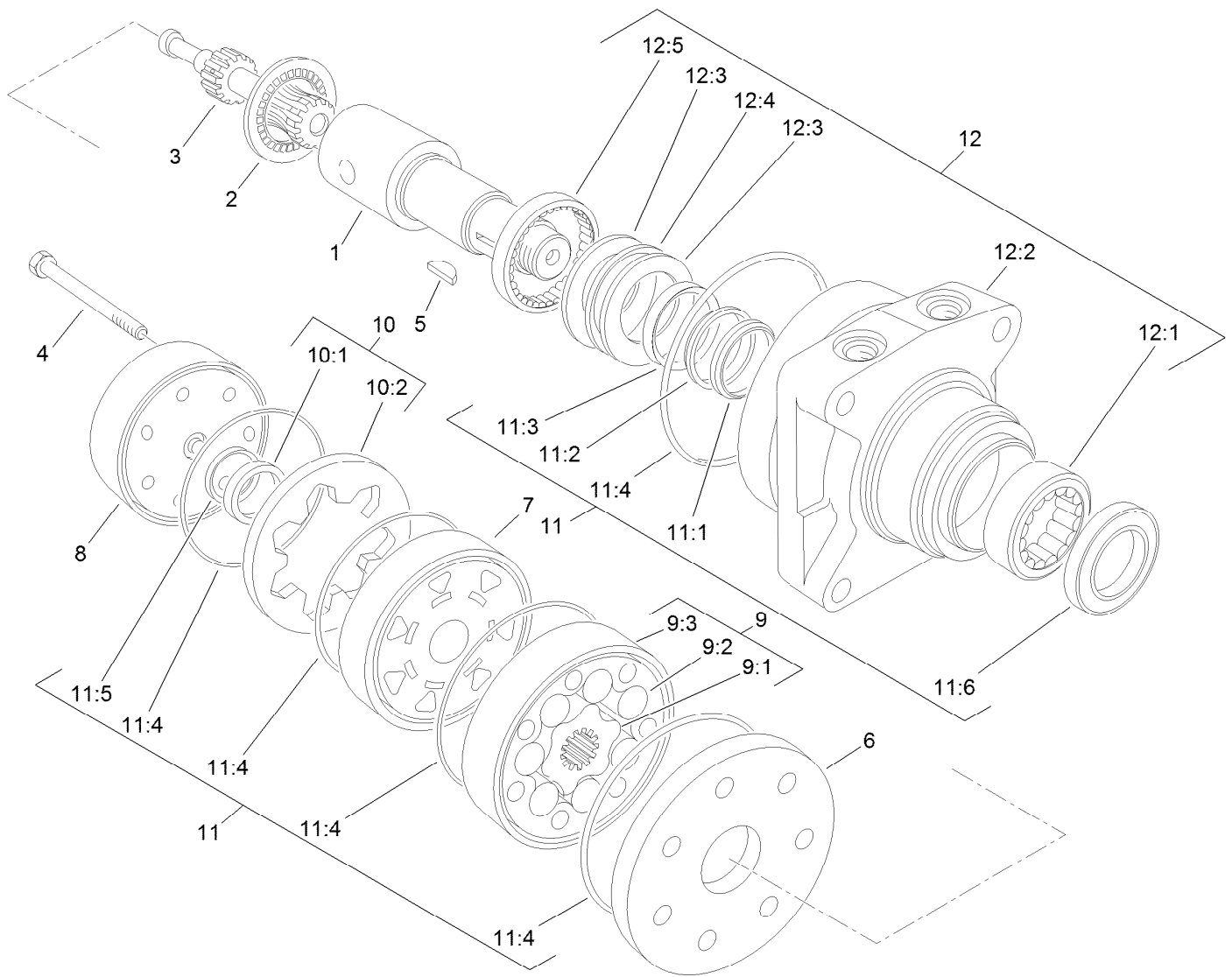
## Steering Cylinder Assembly No. 161-4698

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 132-3778    | 1    | Cylinder-Steering        |
| 1:1  | 132-6964    | 1    | Seal Kit                 |
| 2    | 106-6774    | 2    | Joint-Ball               |
| 3    | 32151-104   | 2    | Ring-Retaining, External |



## Left Hand Wheel Motor and Lift Cylinder Assembly

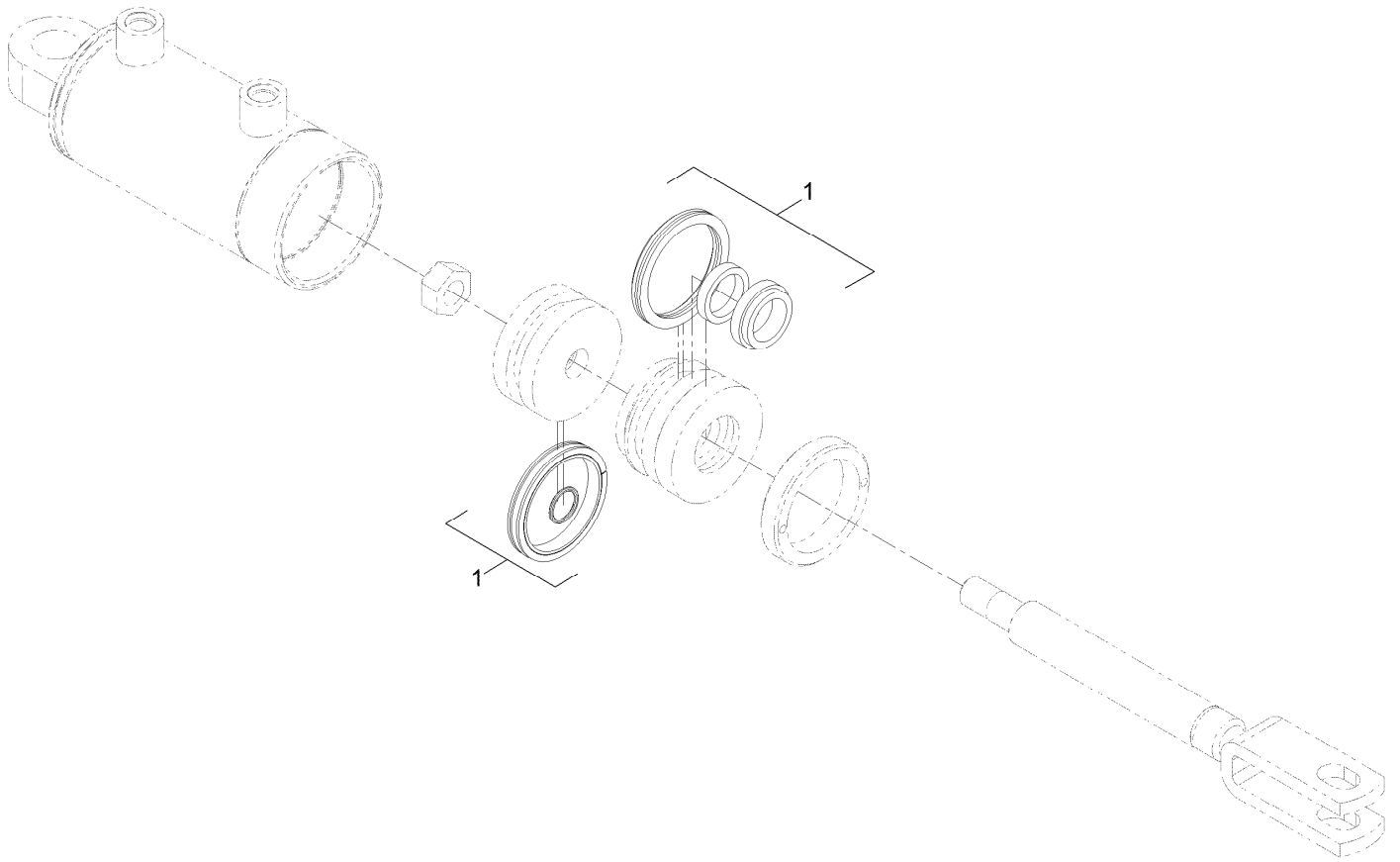
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 110-4015    | 1    | HYD Motor ASM (CCW)   |
| 2    | 340-14      | 2    | Fitting-HYD, 45 DEG   |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-80      | 1    | O-Ring                |
| 3    | 131-2003    | 2    | Hose ASM              |
| 4    | 2412-137    | 1    | Clamp-R, Double       |
| 5    | 32104-32    | 1    | Screw-HWH             |
| 6    | 139-2651    | 1    | Cylinder, HYD         |
| 7    | 340-132     | 2    | Fitting-Elbow, 90 DEG |
| 7:1  | 237-78      | 1    | O-Ring                |
| 7:2  | 237-21      | 1    | O-Ring                |



## Hydraulic Motor Assembly (CW) No. 110-4016

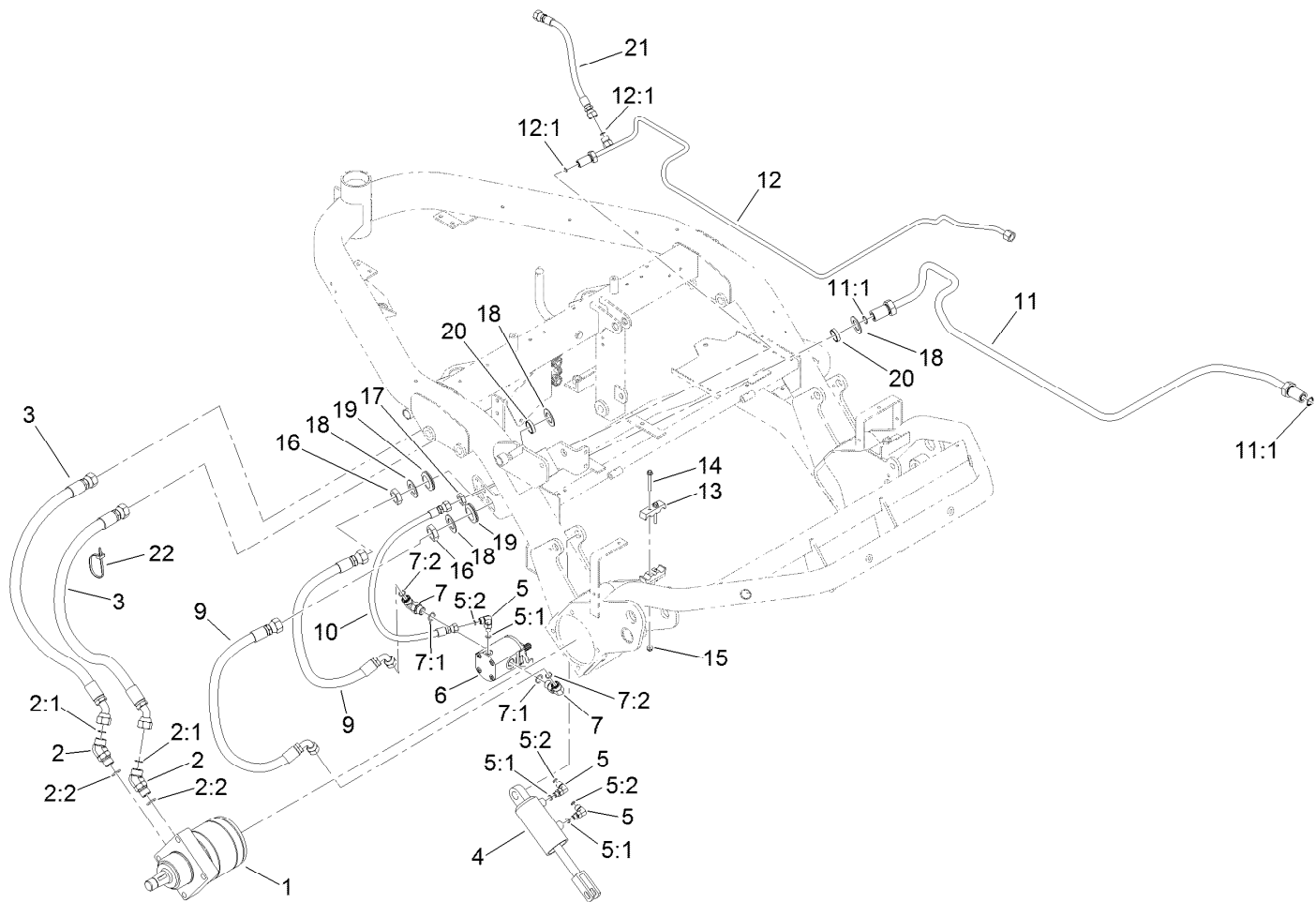
| Ref. | Part Number | Qty. | Description    | Ref. | Part Number | Qty. | Description           |
|------|-------------|------|----------------|------|-------------|------|-----------------------|
| 1    | 76-0860     | 1    | Shaft-Coupling | 10:2 |             | 1    | Ring-Commutator ●     |
| 2    | 76-0850     | 1    | Bearing-Thrust | 11   | 100-6131    | 1    | Seal Kit              |
| 3    | 92-9761     | 1    | Link-Drive     | 11:1 |             | 1    | Ring-Back Up ●        |
| 4    | 92-9762     | 7    | Screw-HH       | 11:2 |             | 1    | Washer-Back Up ●      |
| 5    | 3257-42     | 1    | Key-Woodruff   | 11:3 |             | 1    | Seal-Shaft ●          |
| 6    | 92-9754     | 1    | Plate-Wear     | 11:4 |             | 5    | Seal-Ring ●           |
| 7    | 76-0840     | 1    | Manifold       | 11:5 |             | 1    | Seal-Commutator ●     |
| 8    | 76-0940     | 1    | End Cover ASM  | 11:6 |             | 1    | Seal-Dirt And Water ● |
| 9    | 92-9763     | 1    | Rotor Set      | 12   | 76-0810     | 1    | Housing ASM           |
| 9:1  |             | 1    | Rotor ●        | 12:1 |             | 1    | Bearing ●             |
| 9:2  |             | 1    | Vane ●         | 12:2 |             | 1    | Housing ●             |
| 9:3  |             | 1    | Stator ●       | 12:3 |             | 2    | Washer-Thrust ●       |
| 10   | 76-0880     | 1    | Commutator ASM | 12:4 |             | 1    | Bearing-Thrust ●      |
| 10:1 |             | 1    | Commutator ●   | 12:5 |             | 1    | Bearing ●             |

● Not serviced separately



## Hydraulic Cylinder Assembly No. 139-2651

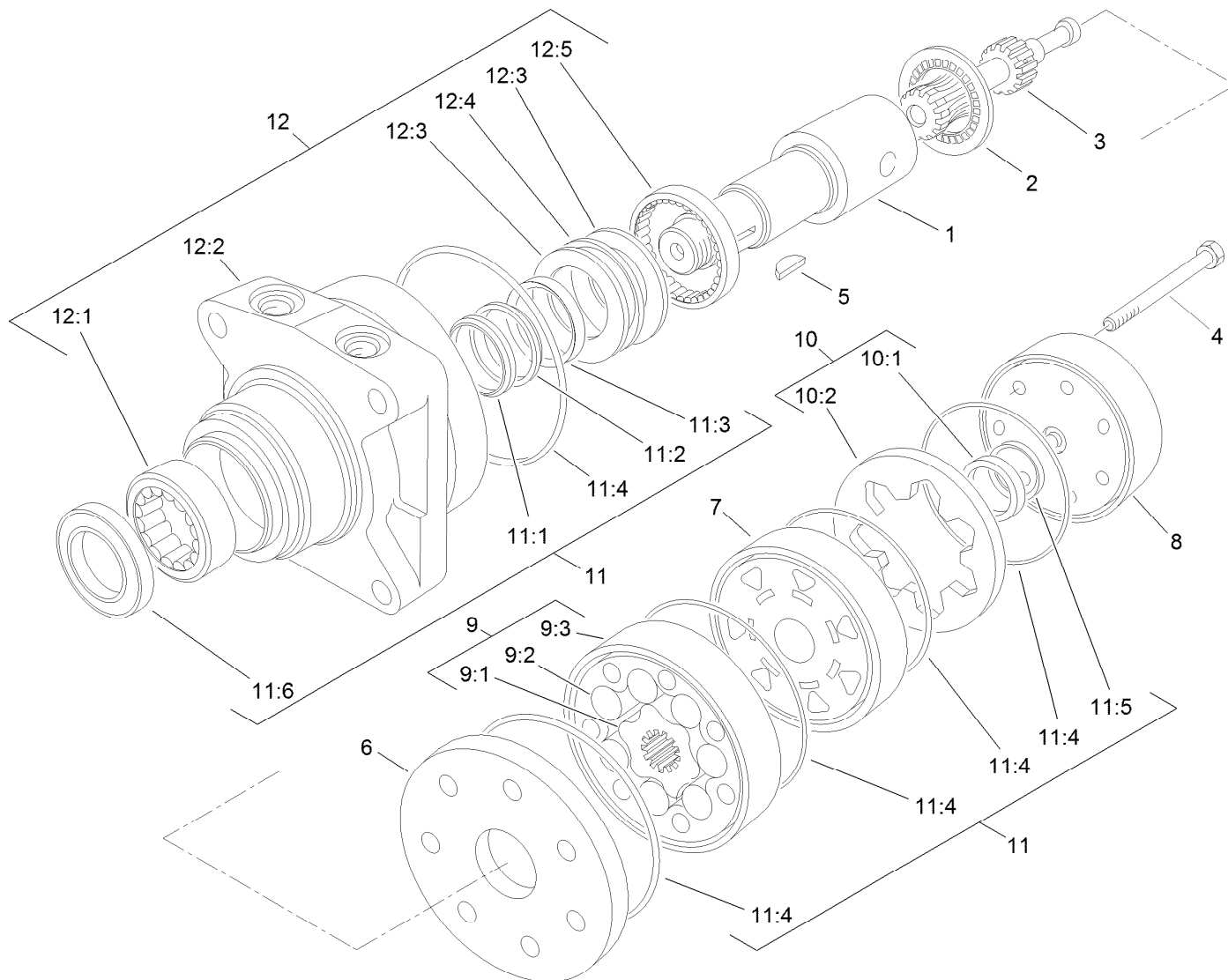
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 139-2652           | 1           | Seal Kit           |



## Right Hand Wheel Motor and Lift Cylinder Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 110-4016    | 1    | HYD Motor ASM (CW)    |
| 2    | 340-14      | 2    | Fitting-HYD, 45 DEG   |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-80      | 1    | O-Ring                |
| 3    | 131-2002    | 2    | Hose ASM              |
| 4    | 139-2651    | 1    | Cylinder, HYD         |
| 5    | 340-132     | 3    | Fitting-Elbow, 90 DEG |
| 5:1  | 237-78      | 1    | O-Ring                |
| 5:2  | 237-21      | 1    | O-Ring                |
| 6    | 120-2072    | 1    | HYD Motor ASM         |
| 7    | 340-98      | 2    | Fitting-Elbow, 90 DEG |
| 7:1  | 237-79      | 1    | O-Ring                |
| 7:2  | 237-30      | 1    | O-Ring                |
| 9    | 139-6528    | 2    | Hose ASM              |
| 10   | 105-5405    | 1    | Hose-HYD              |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 11   | 94-1318     | 1    | Tube-HYD           |
| 11:1 | 237-65      | 2    | O-Ring             |
| 12   | 94-1321     | 1    | Tube-HYD           |
| 12:1 | 237-22      | 2    | O-Ring             |
| 13   | 93-2509     | 2    | Clamp-Tube         |
| 14   | 321-44      | 2    | Screw-HHF          |
| 15   | 104-7201    | 2    | Nut-HF, NI         |
| 16   | 340-74      | 2    | Nut-Lock, Bulkhead |
| 17   | 340-70      | 1    | Nut-Lock           |
| 18   | 69-9010     | 4    | Washer             |
| 19   | 240-3       | 2    | Grommet-Rubber     |
| 20   | 125-1984    | 2    | Spacer             |
| 21   | 110-4008    | 1    | HYD Hose ASM       |
| 22   | 3290-378    | 1    | Tie-Cable          |

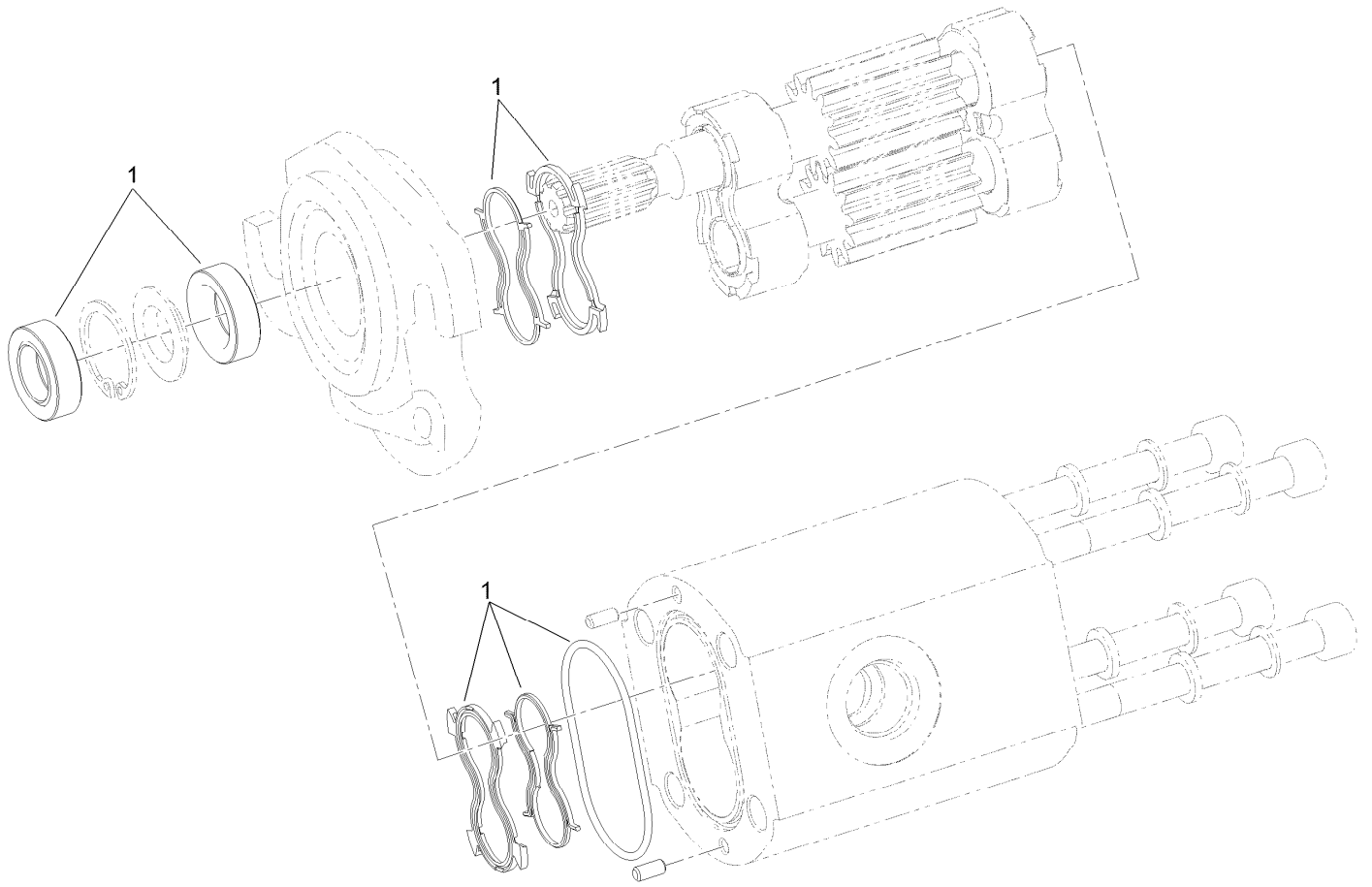


## Hydraulic Motor Assembly (CCW) No. 110-4015

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 76-0860     | 1    | Shaft-Coupling |
| 2    | 76-0850     | 1    | Bearing-Thrust |
| 3    | 92-9761     | 1    | Link-Drive     |
| 4    | 92-9762     | 7    | Screw-HH       |
| 5    | 3257-42     | 1    | Key-Woodruff   |
| 6    | 92-9754     | 1    | Plate-Wear     |
| 7    | 76-0840     | 1    | Manifold       |
| 8    | 76-0940     | 1    | End Cover ASM  |
| 9    | 92-9763     | 1    | Rotor Set      |
| 9:1  |             | 1    | Rotor ●        |
| 9:2  |             | 1    | Vane ●         |
| 9:3  |             | 1    | Stator ●       |
| 10   | 76-0880     | 1    | Commutator ASM |
| 10:1 |             | 1    | Commutator ●   |

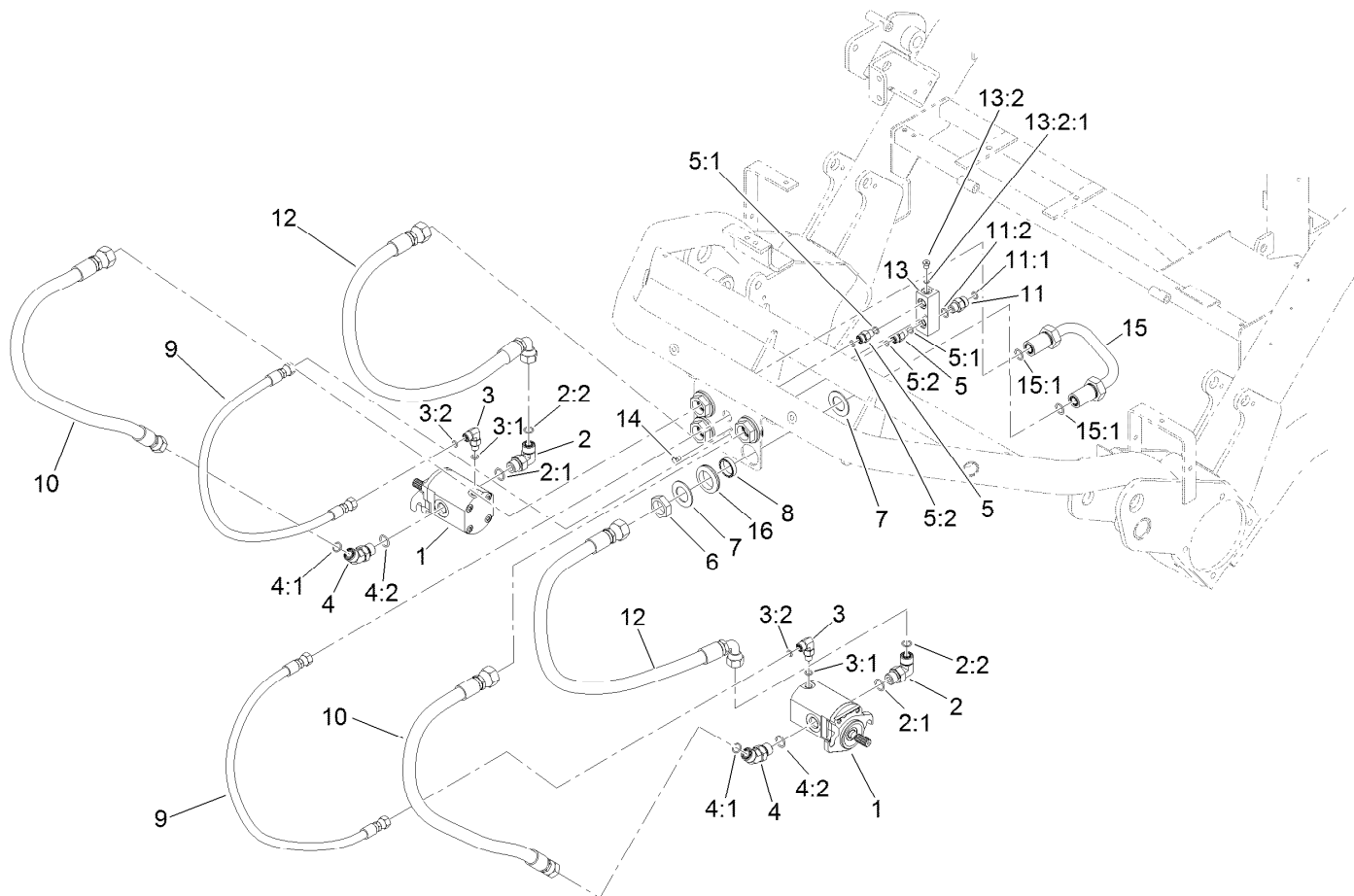
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10:2 |             | 1    | Ring-Commutator ●     |
| 11   | 100-6131    | 1    | Seal Kit              |
| 11:1 |             | 1    | Ring-Back Up ●        |
| 11:2 |             | 1    | Washer-Back Up ●      |
| 11:3 |             | 1    | Seal-Shaft ●          |
| 11:4 |             | 5    | Seal-Ring ●           |
| 11:5 |             | 1    | Seal-Commutator ●     |
| 11:6 |             | 1    | Seal-Dirt And Water ● |
| 12   | 76-0810     | 1    | Housing ASM           |
| 12:1 |             | 1    | Bearing ●             |
| 12:2 |             | 1    | Housing ●             |
| 12:3 |             | 2    | Washer-Thrust ●       |
| 12:4 |             | 1    | Bearing-Thrust ●      |
| 12:5 |             | 1    | Bearing ●             |

● Not serviced separately



# Hydraulic Reel Motor Assembly No. 120-2072

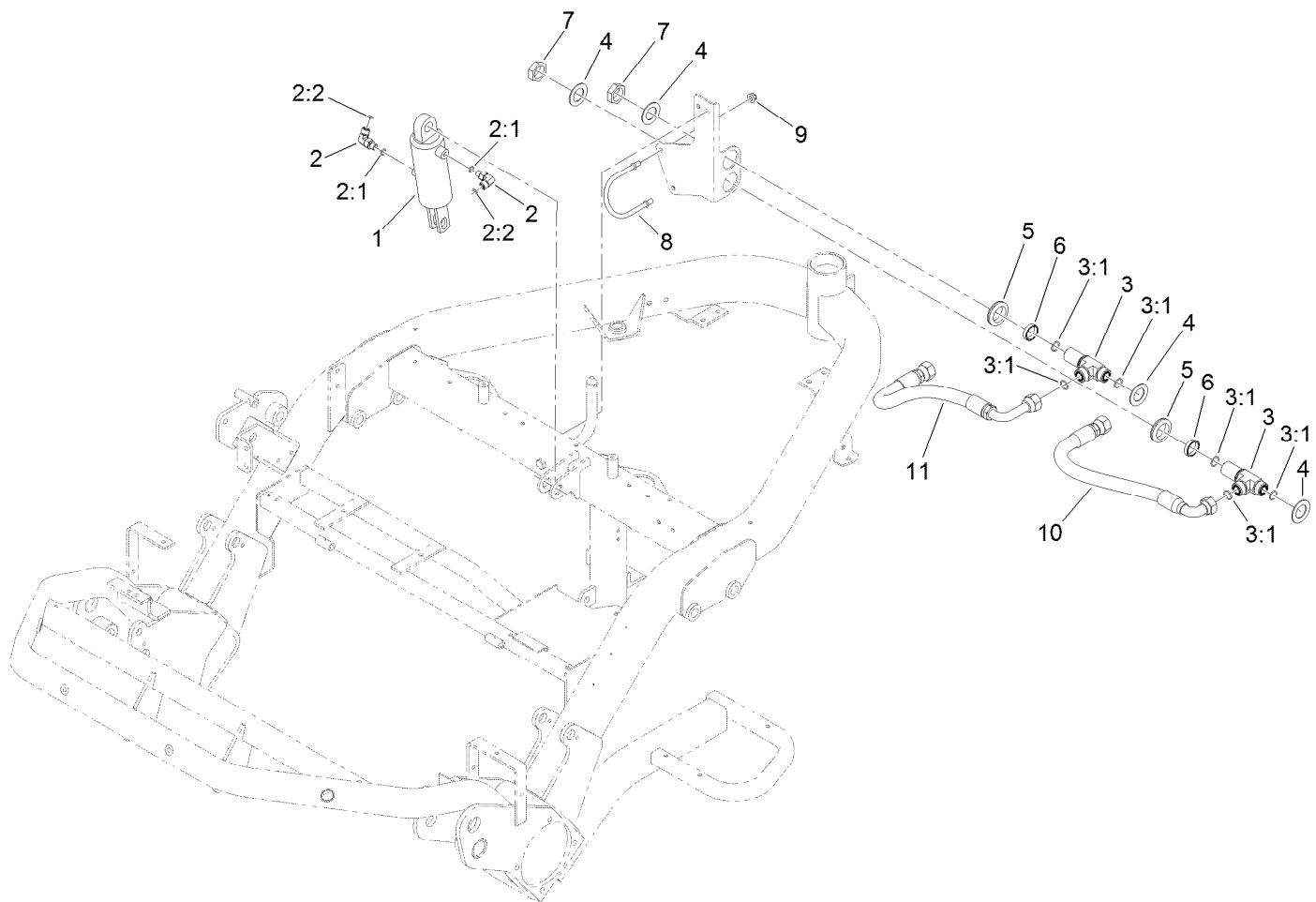
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 145-2785           | 1           | Seal Kit           |



## Front Reel Motors Assembly

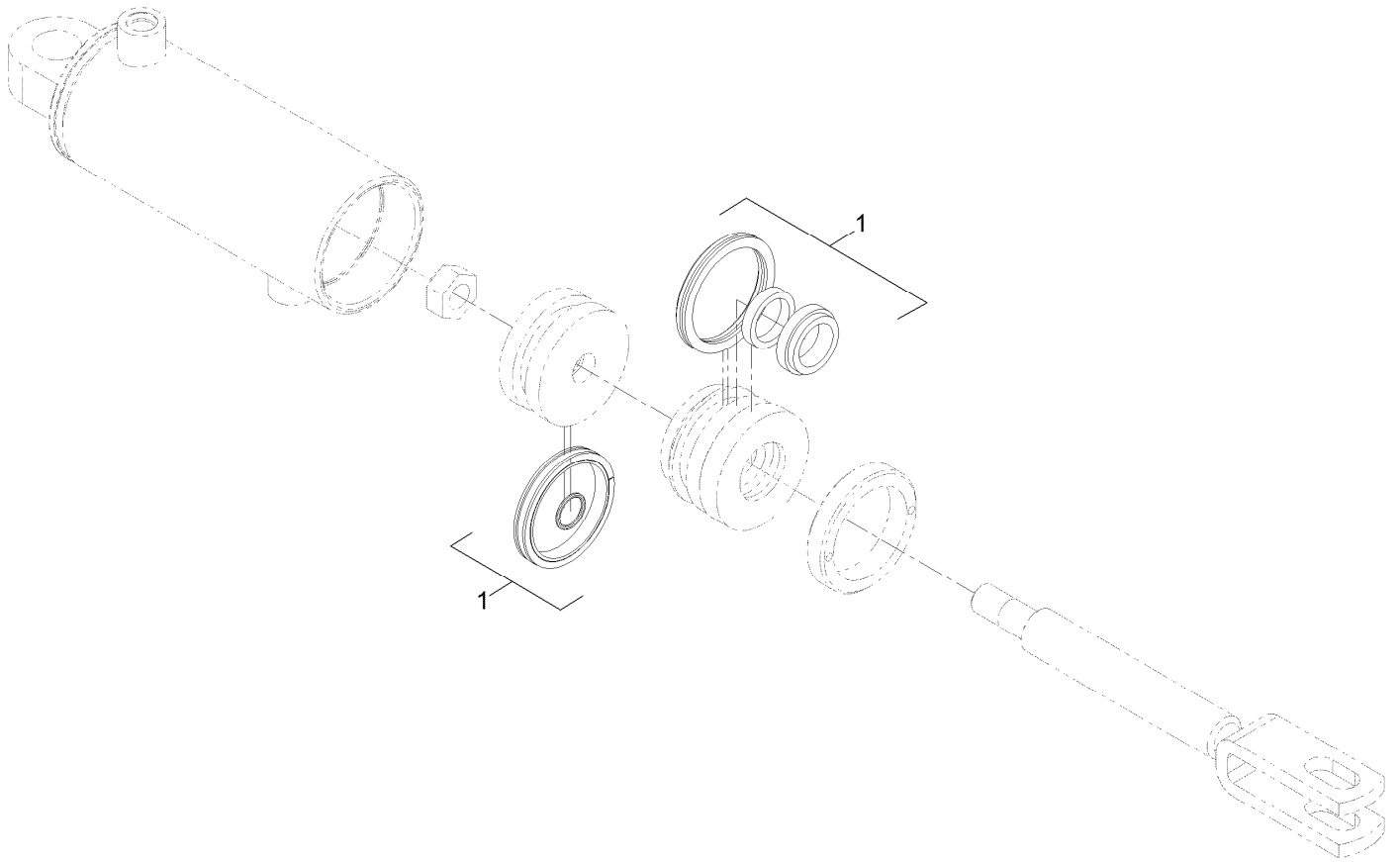
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 120-2072    | 2    | HYD Motor ASM         |
| 2    | 340-98      | 2    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-79      | 1    | O-Ring                |
| 2:2  | 237-30      | 1    | O-Ring                |
| 3    | 340-132     | 2    | Fitting-Elbow, 90 DEG |
| 3:1  | 237-78      | 1    | O-Ring                |
| 3:2  | 237-21      | 1    | O-Ring                |
| 4    | 340-101     | 2    | Fitting-HYD, 45 DEG   |
| 4:1  | 237-30      | 1    | O-Ring                |
| 4:2  | 237-79      | 1    | O-Ring                |
| 5    | 340-92      | 2    | Fitting-Straight      |
| 5:1  | 237-78      | 1    | O-Ring                |
| 5:2  | 237-21      | 1    | O-Ring                |
| 6    | 340-74      | 4    | Nut-Lock, Bulkhead    |
| 7    | 69-9010     | 8    | Washer                |

| Ref.   | Part Number | Qty. | Description      |
|--------|-------------|------|------------------|
| 8      | 125-1984    | 4    | Spacer           |
| 9      | 106-9674    | 2    | Hose-HYD         |
| 10     | 139-6529    | 2    | Hose ASM         |
| 11     | 340-2       | 1    | Fitting-Straight |
| 11:1   | 237-22      | 1    | O-Ring           |
| 11:2   | 237-42      | 1    | O-Ring           |
| 12     | 139-6530    | 2    | Hose ASM         |
| 13     | 93-2238     | 1    | T-Block          |
| 13:2   | 353-991     | 1    | Plug-Hex, Hollow |
| 13:2:1 | 237-156     | 1    | O-Ring           |
| 14     | 33113-008   | 1    | Screw-HH         |
| 15     | 94-1319     | 1    | Tube-HYD         |
| 15:1   | 237-65      | 2    | O-Ring           |
| 16     | 240-3       | 4    | Grommet-Rubber   |



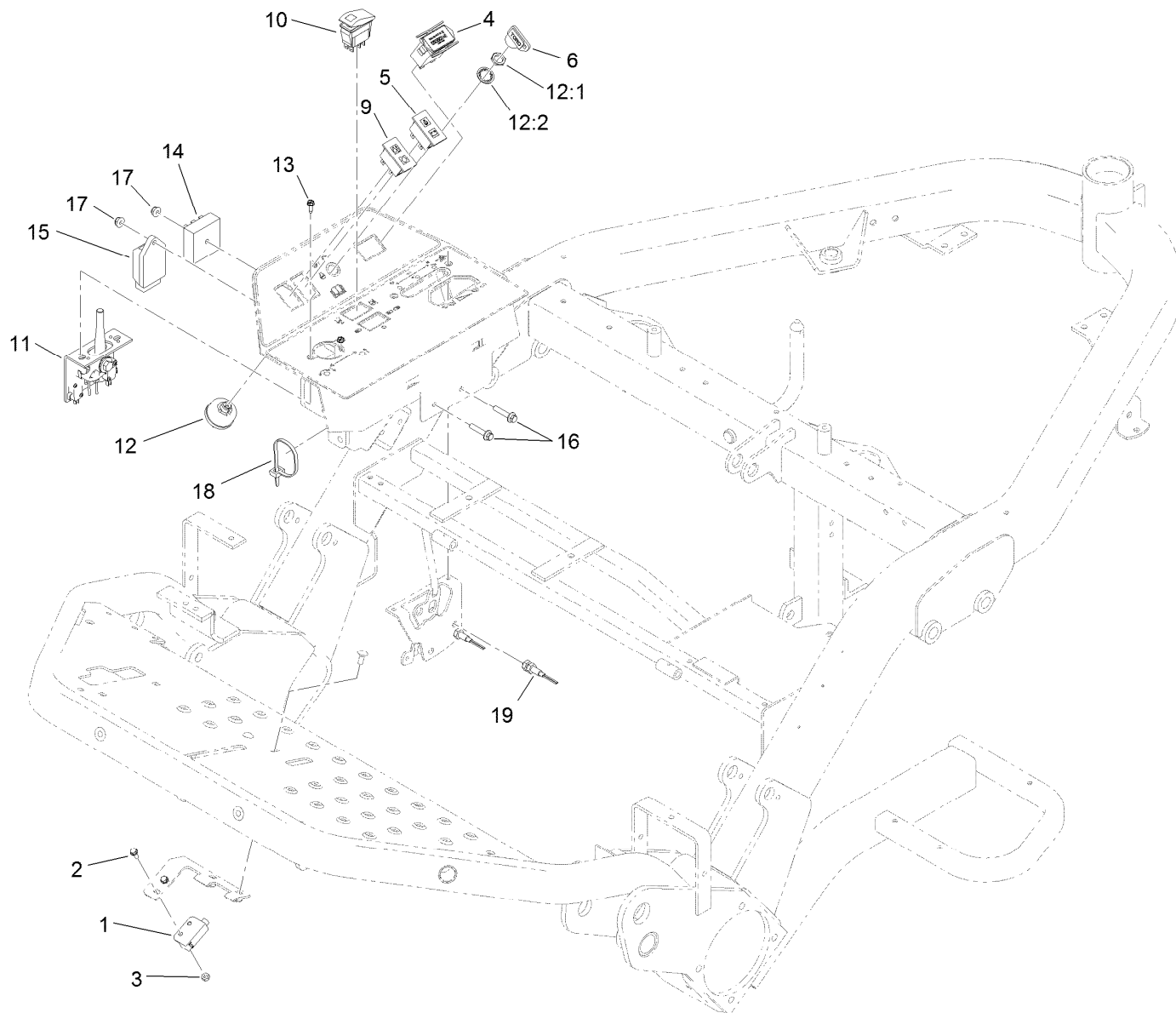
## Center Lift Cylinder Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 139-2650    | 1    | Cylinder, HYD         |
| 2    | 340-132     | 2    | Fitting-Elbow, 90 DEG |
| 2:1  | 237-78      | 1    | O-Ring                |
| 2:2  | 237-21      | 1    | O-Ring                |
| 3    | 94-5350     | 2    | Fitting-Tee           |
| 3:1  | 237-65      | 3    | O-Ring                |
| 4    | 69-9010     | 4    | Washer                |
| 5    | 240-3       | 2    | Grommet-Rubber        |
| 6    | 125-1984    | 2    | Spacer                |
| 7    | 340-74      | 2    | Nut-Lock, Bulkhead    |
| 8    | 161-4652    | 1    | Retainer-Hose         |
| 9    | 104-8300    | 2    | Nut-HF, NI            |
| 10   | 131-6207    | 1    | Hose ASM              |
| 11   | 131-6208    | 1    | Hose ASM              |



## Hydraulic Cylinder Assembly No. 139-2650

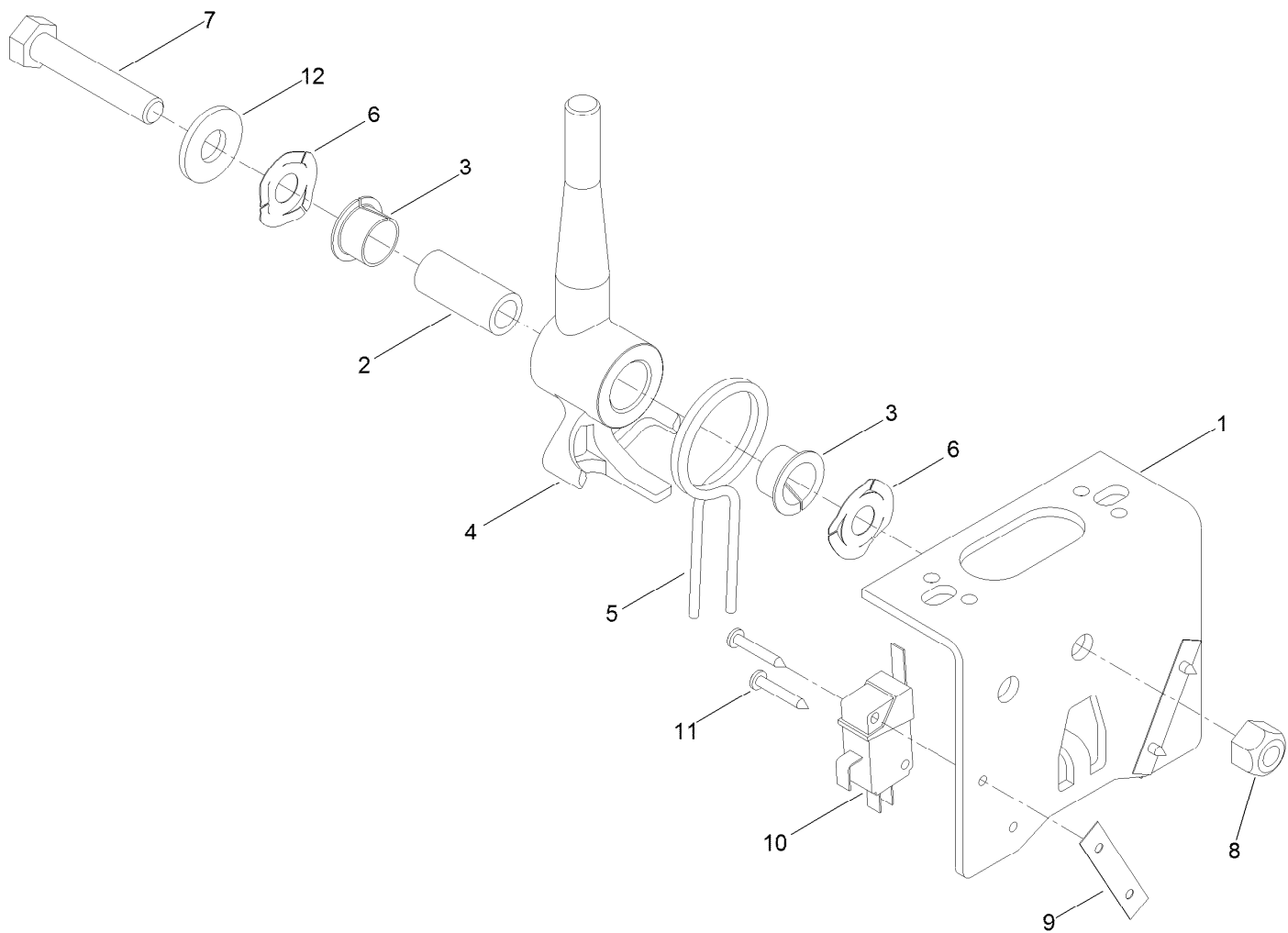
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 139-2652           | 1           | Seal Kit           |



## Console Assembly

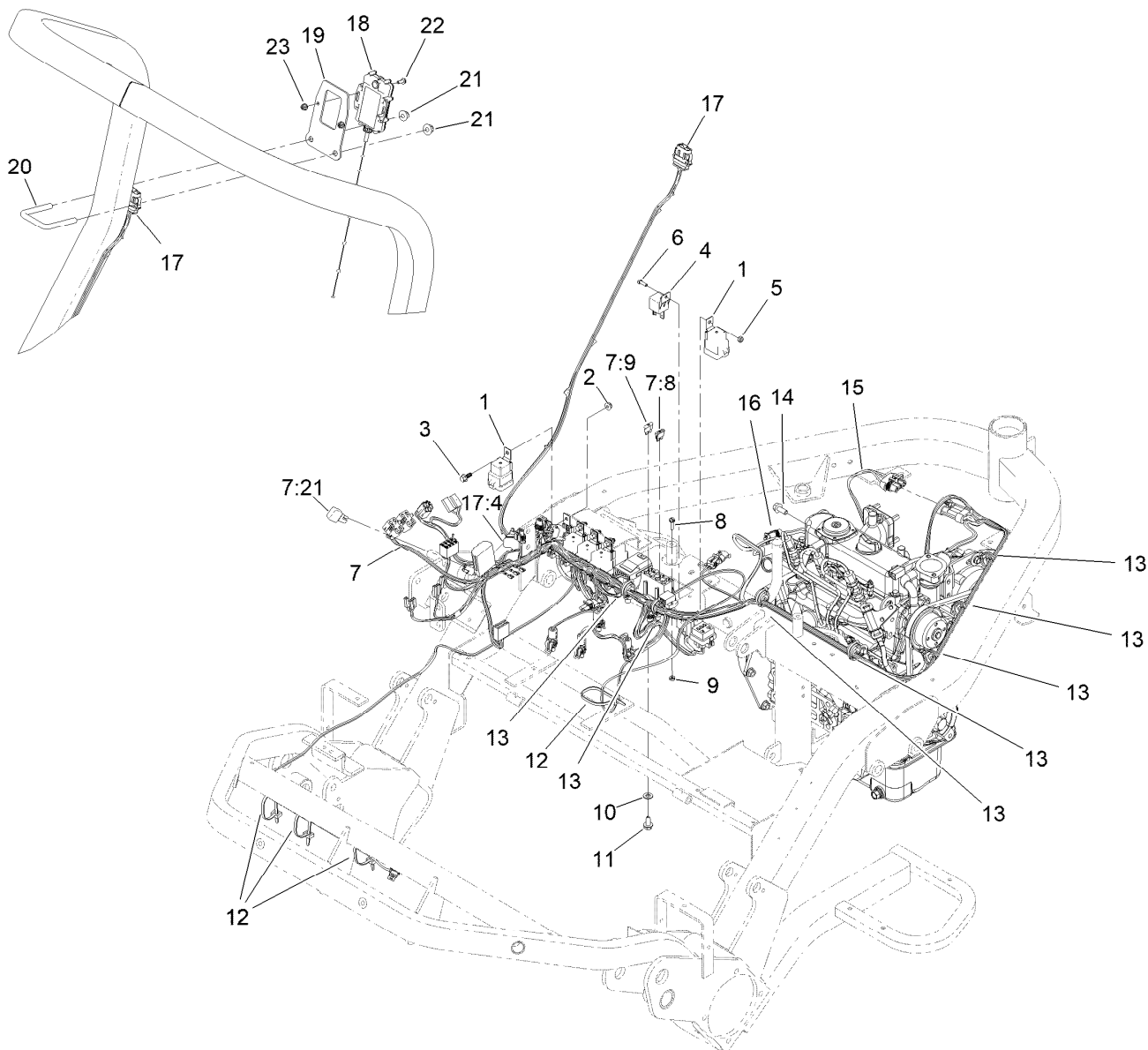
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 104-2057    | 1    | Sensor                      |
| 2    | 3290-321    | 2    | Screw-HWH                   |
| 3    | 3296-2      | 2    | Nut-Lock, NI                |
| 4    | 120-2244    | 1    | Hourmeter                   |
| 5    | 100-8070    | 1    | Lamp-Warning                |
| 6    | 63-8360     | 2    | Key-Ignition                |
| 9    | 100-8071    | 1    | Lamp-Warning                |
| 10   | 100-8072    | 1    | Switch-Rocker, On-None-(On) |
| 11   | 120-5280    | 1    | Bracket-Joystick            |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 12   | 27-2360     | 1    | Switch               |
| 12:1 | 218-446     | 1    | Nut-Hex              |
| 12:2 | 218-447     | 1    | Washer-Lock          |
| 13   | 32144-19    | 2    | Screw-SHWH           |
| 14   | 92-2538     | 1    | Module-Timer         |
| 15   | 107-9097    | 1    | Controller-Glow      |
| 16   | 3234-21     | 2    | Screw-HHF            |
| 17   | 104-7201    | 2    | Nut-HF, NI           |
| 18   | 3290-378    | 2    | Tie-Cable            |
| 19   | 112-0278    | 2    | Sensor - Reed Switch |



## 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           |

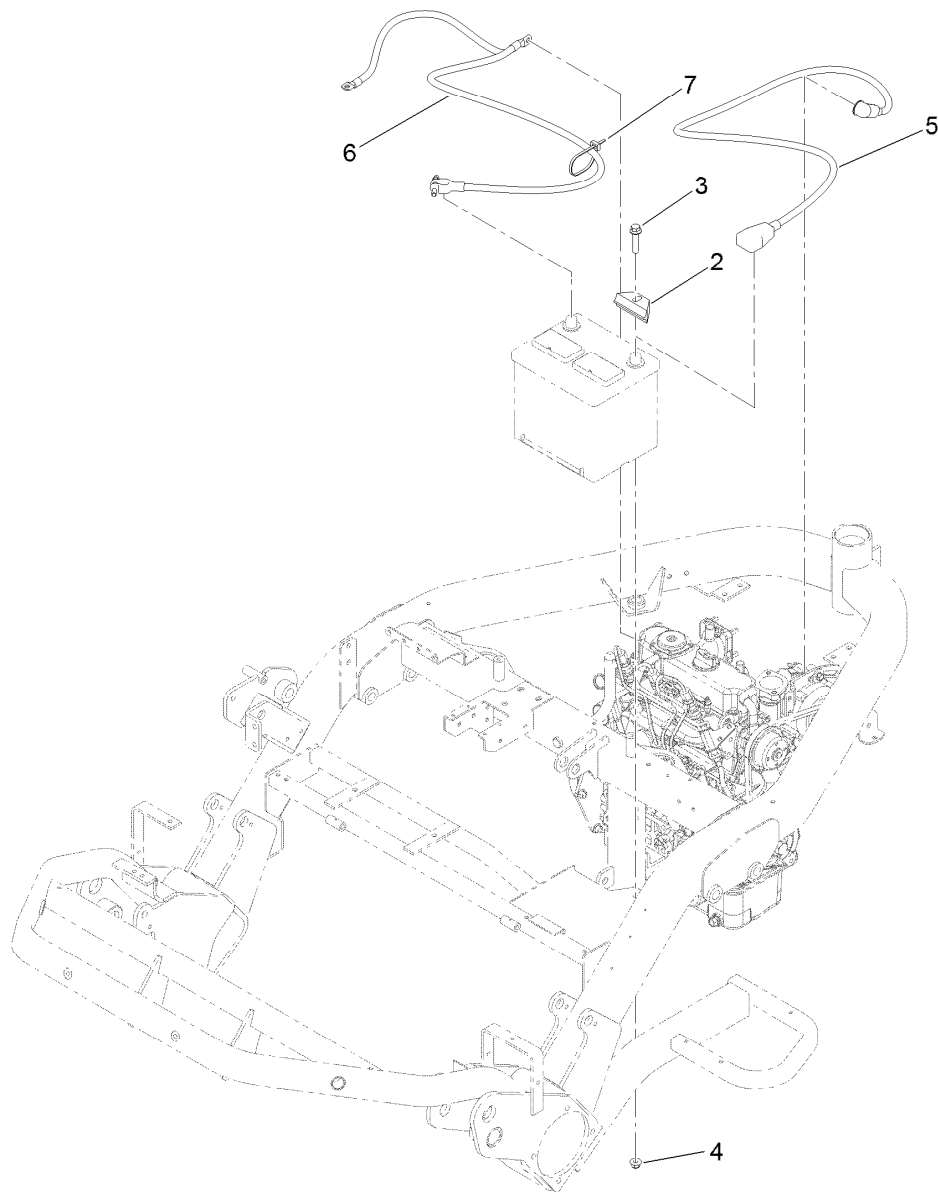


## Electrical Harness Assembly

| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 1    | 99-7430     | 9    | Relay-Mini                      |
| 2    | 104-7201    | 4    | Nut-HF, NI                      |
| 3    | 99-6810     | 4    | Screw-HHF                       |
| 4    | 99-7435     | 1    | Relay                           |
| 5    | 3296-2      | 1    | Nut-Lock, NI                    |
| 6    | 3290-134    | 1    | Screw                           |
| 7    | 122-1392    | 1    | Harness-Wire                    |
| 7:8  | 109355      | 1    | Fuse-Blade, 15 Amp              |
| 7:9  | 218-578     | 2    | Fuse-Blade, 10 Amp              |
| 7:18 | 92-3188     | 2    | Pcb Assy, Diode, Board, Circuit |
| 7:21 | 104-4022    | 1    | Resistor-75 Ohm                 |
| 8    | 32105-13    | 2    | Screw-HWH                       |
| 9    | 32149-7     | 2    | Nut-Keps                        |
| 10   | 3256-23     | 1    | Washer-Plain                    |

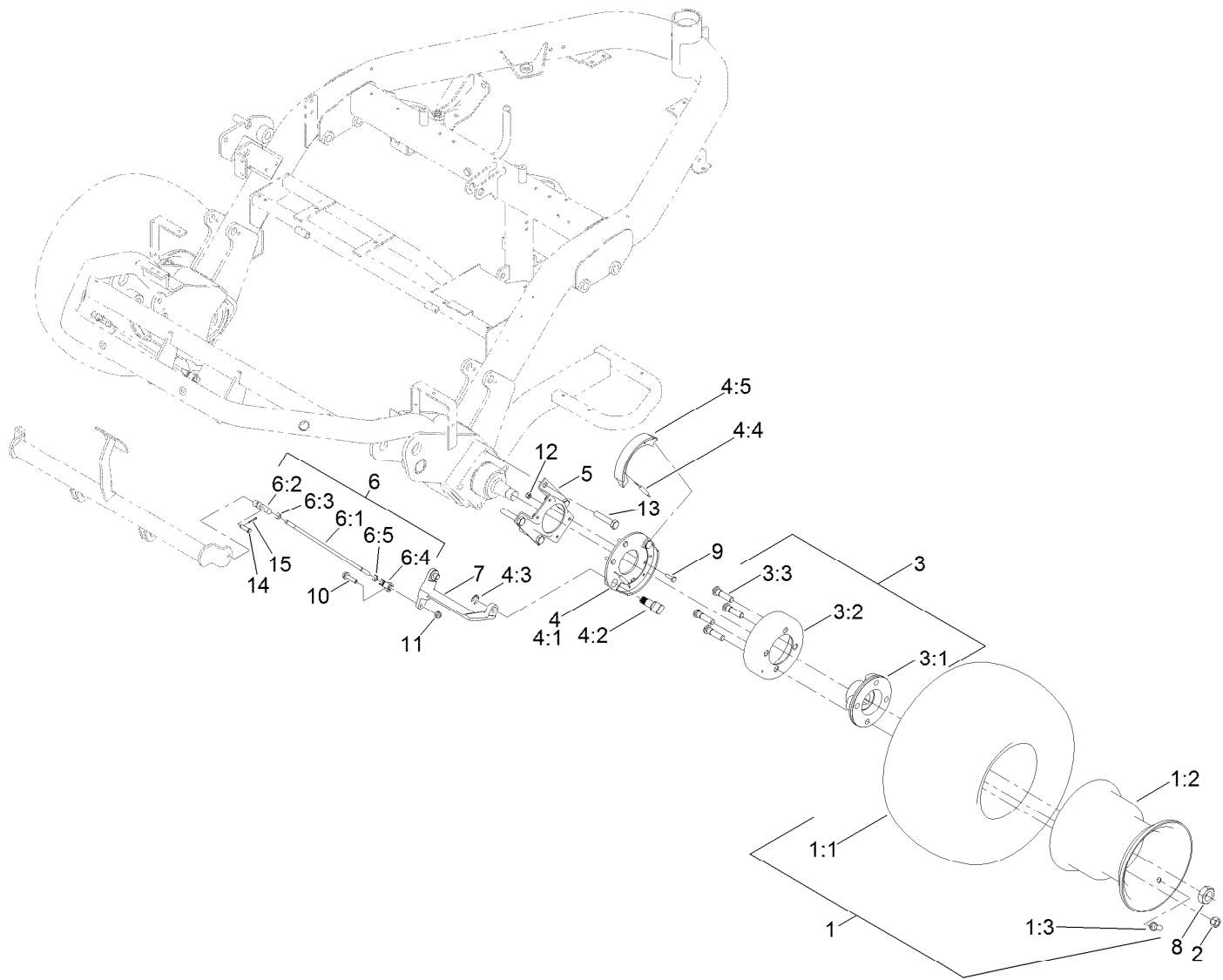
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 11   | 32104-32    | 1    | Screw-HWH                  |
| 12   | 3290-378    | 4    | Tie-Cable                  |
| 13   | 32180-030   | 7    | Clip-Tie                   |
| 14   | 33104-020   | 1    | Screw-HHF                  |
| 15   | 99-3441     | 1    | Harness-Wire, Fusible Link |
| 16   | 120-6325    | 1    | Harness-Wire, Ground       |
| 17   | 122-2161    | 1    | Harness-Wire               |
| 17:3 | 121-8861    | 1    | Fuse-Mini Blade, 2 Amp     |
| 17:4 | 32180-101   | 1    | Cover-Fuse, Single         |
| 18   | 122-3876    | 1    | Gateway-Telematics Lite    |
| 19   | 161-4731    | 1    | Bracket- Telematic         |
| 20   | 104-9082    | 1    | U-Bolt                     |
| 21   | 104-8301    | 2    | Nut-HF, NI                 |
| 22   | 137-3030    | 2    | Screw-HWH                  |
| 23   | 138-0719    | 2    | Nut-HF                     |

● Not illustrated



## Battery Assembly

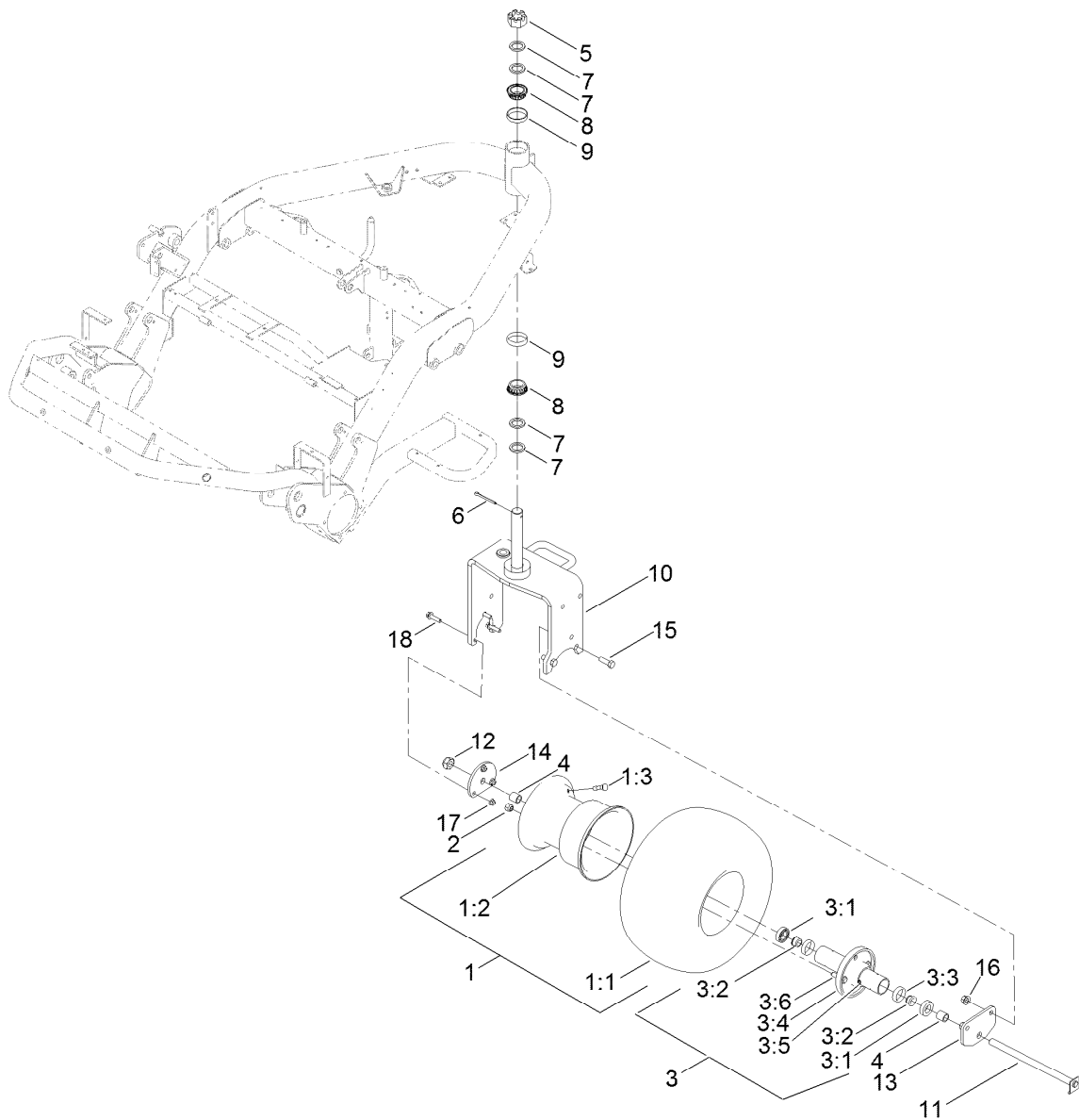
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 2    | 138-6335    | 1    | Retainer-Battery        |
| 3    | 3234-19     | 1    | Screw-HHF               |
| 4    | 104-8301    | 1    | Nut-HF, NI              |
| 5    | 95-8853     | 1    | Cable-Battery, Positive |
| 6    | 99-8167     | 1    | Cable-Battery, Negative |
| 7    | 3290-378    | 1    | Tie-Cable               |



## Front Wheel and Brake Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 114-4665    | 2    | Tire ASM           |
| 1:1  | 70-8500     | 1    | Tire-Smooth, 4-Ply |
| 1:2  | 114-4643    | 1    | Wheel              |
| 1:3  | 232-27      | 1    | Stem-Valve         |
| 2    | 139-2564    | 8    | Nut-Lug            |
| 3    | 120-5330    | 2    | Brake Drum ASM     |
| 3:1  | 108-2103-0P | 1    | Hub-Wheel          |
| 3:2  | 10-6850     | 1    | Drum-Brake         |
| 3:3  | 117-3749    | 4    | Stud-Drive         |
| 4    | 104-7705    | 2    | Brake ASM          |
| 4:1  | 70-9870     | 1    | Plate-Backing      |
| 4:2  | 104-7707    | 1    | Shaft-Cam, Brake   |
| 4:3  | 104-7706    | 1    | E-Ring, Bowed      |
| 4:4  | 70-9880     | 2    | Spring-Return      |
| 4:5  | 70-9840     | 2    | Shoe-Brake         |
| 5    | 147-3595    | 2    | Bracket-Brake      |

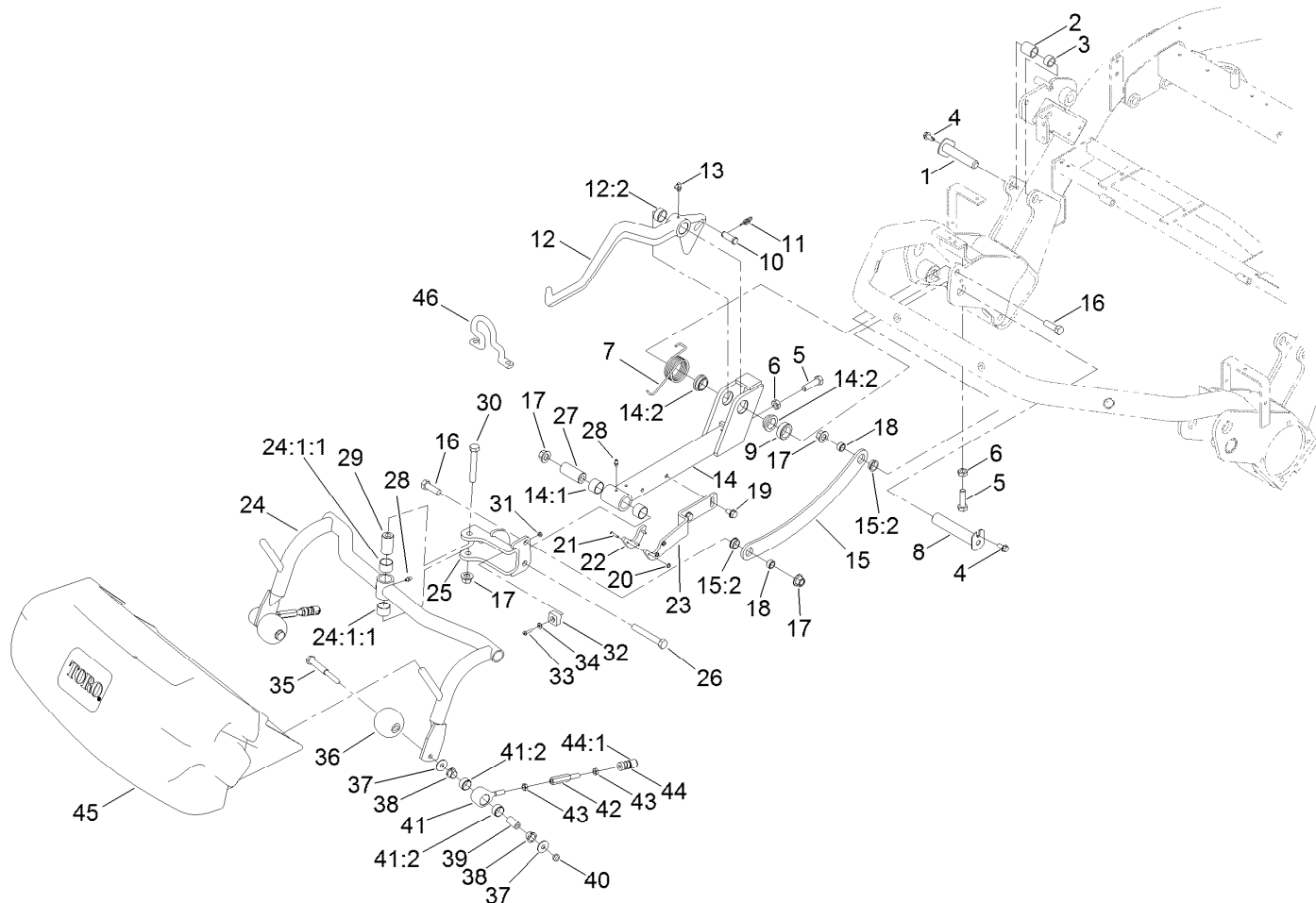
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 6    | 115-6675    | 2    | Brake Rod ASM   |
| 6:1  | 93-2069     | 1    | Rod-Brake       |
| 6:2  | 1-303105    | 1    | Yoke-Adjustable |
| 6:3  | 3220-2      | 1    | Nut-Hex Jam     |
| 6:4  | 93-2070     | 1    | Clevis-Swivel   |
| 6:5  | 3220-20     | 1    | Nut-Jam         |
| 7    | 93-2096     | 2    | Lever-Brake     |
| 8    | 26-3790     | 2    | Nut-Lock        |
| 9    | 321-5       | 8    | Screw-HH        |
| 10   | 3234-36     | 2    | Screw-HHF       |
| 11   | 104-8300    | 2    | Nut-HF, NI      |
| 12   | 3296-42     | 8    | Nut-Lock, NI    |
| 13   | 33116-060   | 8    | Screw-HH        |
| 14   | 283-61      | 2    | Pin-Yoke        |
| 15   | 3272-6      | 2    | Pin-Cotter      |



## Rear Wheel and Brake Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 114-4665    | 1    | Tire ASM             |
| 1:1  | 70-8500     | 1    | Tire-Smooth, 4-Ply   |
| 1:2  | 114-4643    | 1    | Wheel                |
| 1:3  | 232-27      | 1    | Stem-Valve           |
| 2    | 139-2564    | 4    | Nut-Lug              |
| 3    | 72-9710     | 1    | Hub-Tire             |
| 3:1  | 253-111     | 2    | Seal-Oil             |
| 3:2  | 254-78      | 2    | Bearing-Cone         |
| 3:3  | 254-79      | 2    | Bearing-Roller, Cup  |
| 3:4  | 75-9440     | 1    | Hub ASM              |
| 3:5  | 302-11      | 1    | Fitting-Lube, 45 DEG |
| 3:6  | 10-6830     | 4    | Stud-Type, Drive     |
| 4    | 70-8490     | 2    | Spacer-Spindle, Rear |
| 5    | 32136-9     | 1    | Nut-Hex, Slotted     |

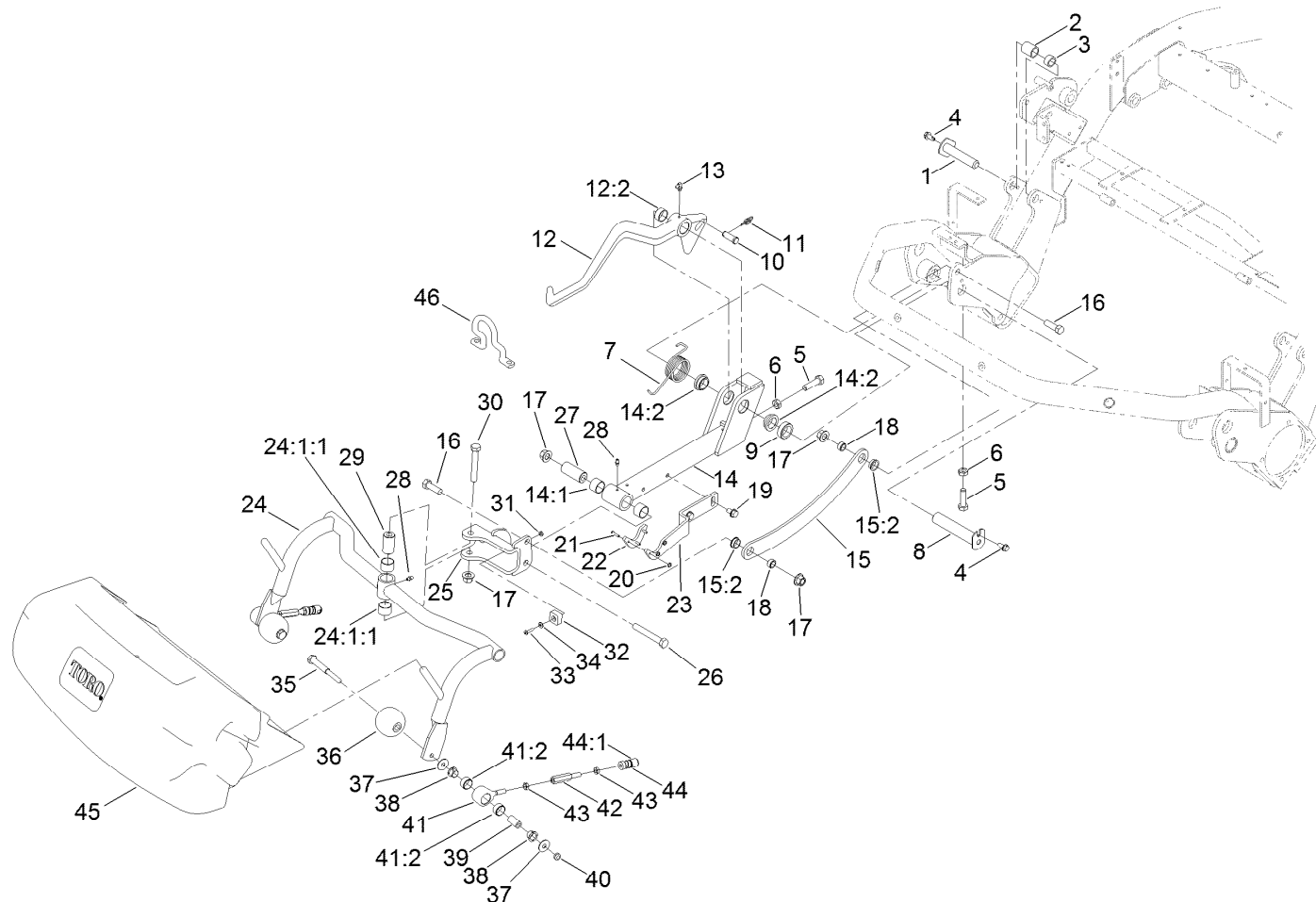
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 6    | 3272-37     | 1    | Pin-Cotter            |
| 7    | 18-6320     | 4    | Washer                |
| 8    | 115-9472    | 2    | Bearing-Cone And Seal |
| 9    | 115-9471    | 2    | Bearing-Cup           |
| 10   | 112-9174-01 | 1    | Fork-Caster           |
| 11   | 70-8370     | 1    | Bolt                  |
| 12   | 3296-67     | 1    | Nut-Lock, NI          |
| 13   | 99-1485-01  | 1    | Plate-Adapter, Motor  |
| 14   | 99-1486-01  | 1    | Plate-Adapter         |
| 15   | 325-6       | 2    | Screw-HH              |
| 16   | 99-5107     | 2    | Nut-Lock              |
| 17   | 104-8301    | 3    | Nut-HF, NI            |
| 18   | 114-4681    | 3    | Screw-HHF             |



## Right Cutting Unit Suspension Assembly

| Ref. | Part Number | Qty. | Description           | Ref.   | Part Number | Qty. | Description              |
|------|-------------|------|-----------------------|--------|-------------|------|--------------------------|
| 1    | 140-5248    | 1    | Pin-Ram, Pivot        | 15:2   | 99-4243     | 2    | Bushing-Flange           |
| 2    | 105-3838    | 1    | Spacer                | 16     | 325-6       | 2    | Screw-HH                 |
| 3    | 74-3730     | 1    | Spacer-Spindle, Rear  | 17     | 99-5107     | 4    | Nut-Lock                 |
| 4    | 9264964     | 2    | Screw-HWH, Thread Cut | 18     | 99-4201     | 2    | Tube-Spacer              |
| 5    | 325-7       | 2    | Screw-HH              | 19     | 32144-69    | 2    | Screw-HWHTF              |
| 6    | 3218-5      | 2    | Nut-Jam               | 20     | 3296-54     | 3    | Nut-Lock                 |
| 7    | 105-3809    | 1    | Spring-Torsion, RH    | 21     | 3250-17     | 3    | Screw-PPH                |
| 8    | 94-8198     | 1    | Pin                   | 22     | 99-4225     | 1    | Pad-Wear                 |
| 9    | 93-2384     | 1    | Spacer-Carrier        | 23     | 99-4111-01  | 1    | Plate-Transport, 1 And 3 |
| 10   | 283-8       | 1    | Pin-Clevis            | 24     | 136-8577    | 1    | Pull Frame ASM           |
| 11   | 112-1491    | 1    | Pin-Cotter            | 24:1:1 | 98-4166     | 2    | Bushing                  |
| 12   | 99-4213     | 1    | RH Lift Arm ASM       | 25     | 99-4183-01  | 1    | RH Clevis ASM            |
| 12:2 | 92-8995     | 2    | Bushing               | 26     | 325-14      | 1    | Screw-HH                 |
| 13   | 302-60      | 1    | Fitting-Grease        | 27     | 99-4072     | 1    | Spacer                   |
| 14   | 99-4115     | 1    | Front Lift Frame ASM  | 28     | 302-5       | 2    | Fitting-Grease           |
| 14:1 | 98-4166     | 2    | Bushing               | 29     | 99-4109     | 1    | Spacer                   |
| 14:2 | 94-9610     | 2    | Bushing-Flange        | 30     | 325-13      | 1    | Screw-HH                 |
| 15   | 99-4258     | 1    | RH Link Bracket ASM   | 31     | 3296-12     | 1    | Nut-Lock, NI             |

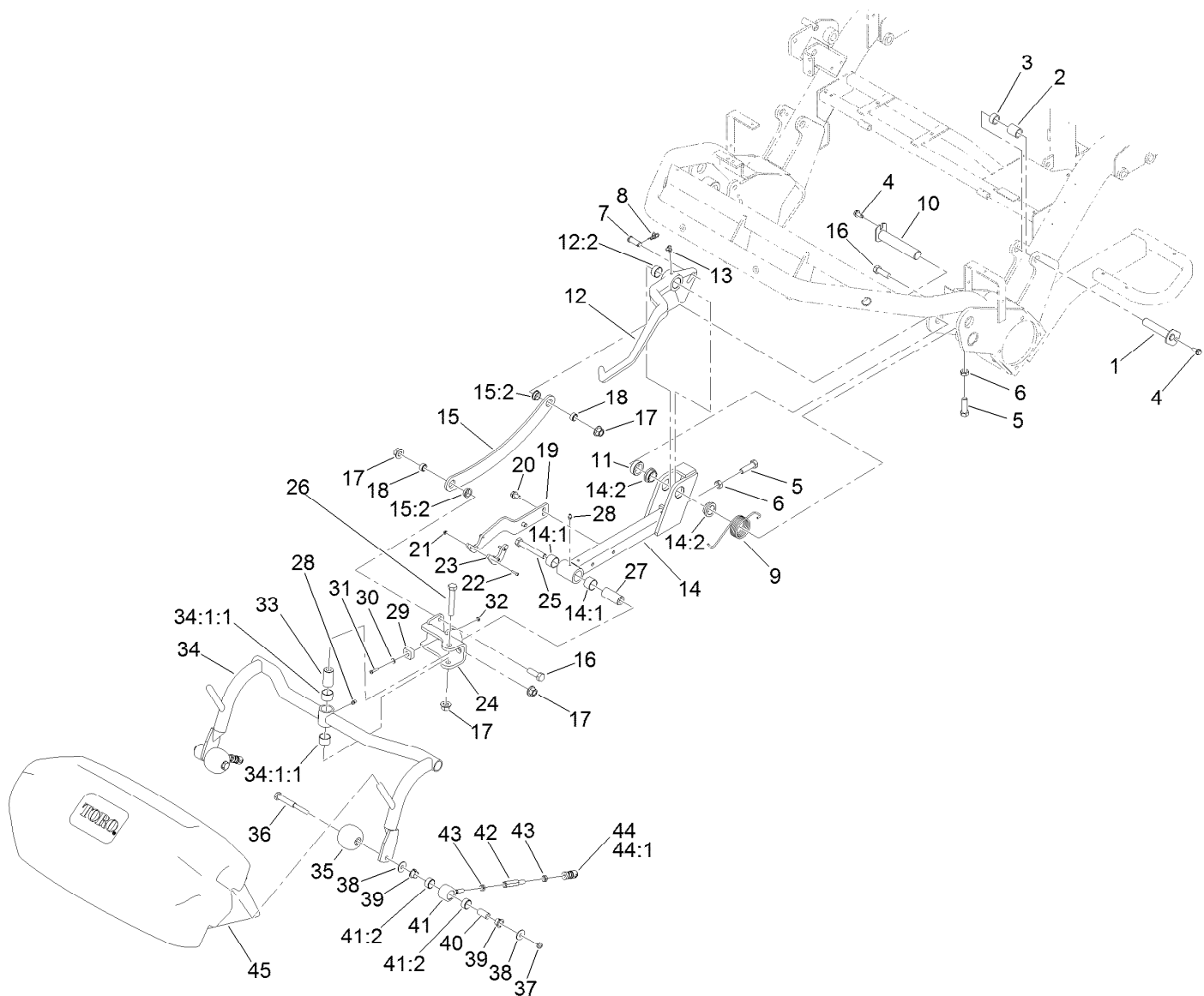
● Not illustrated



## Right Cutting Unit Suspension Assembly (continued)

| Ref. | Part Number | Qty. | Description       | Ref. | Part Number | Qty. | Description                           |
|------|-------------|------|-------------------|------|-------------|------|---------------------------------------|
| 32   | 94-1392     | 1    | Pad-Rubber        | 41:2 | 95-0532     | 2    | Rubber Bushing ASM                    |
| 33   | 3250-27     | 1    | Screw-PPH         | 42   | 88-6870     | 2    | Extension-Arm, Pull                   |
| 34   | 3256-14     | 1    | Washer-Flat       | 43   | 3220-3      | 4    | Nut-HJ                                |
| 35   | 108-6543    | 2    | Shaft-Roller      | 44   | 147-3120    | 2    | Ball Joint Receiver ASM               |
| 36   | 99-4210     | 2    | Roller-Anti Scalp | 44:1 | 147-3121    | 1    | Sleeve-Joint Ball                     |
| 37   | 119-4150    | 4    | Washer-Flat       | 45   | 106-4689    | 1    | Grass Basket ASM                      |
| 38   | 104-7738    | 4    | Bushing-Flange    | 45:2 | 104-2607    | 1    | Strip-Basket ●                        |
| 39   | 108-6544    | 2    | Spacer            | 45:3 | 3290-382    | 8    | Rivet-Pop ●                           |
| 40   | 3296-59     | 2    | Nut-Lock, NI      | 46   | 110-2397    | 3    | Hook-Lift, Offset (1.25 Inch, GR3250) |
| 41   | 139-6539    | 2    | Pull Link ASM     |      |             |      |                                       |

● Not illustrated

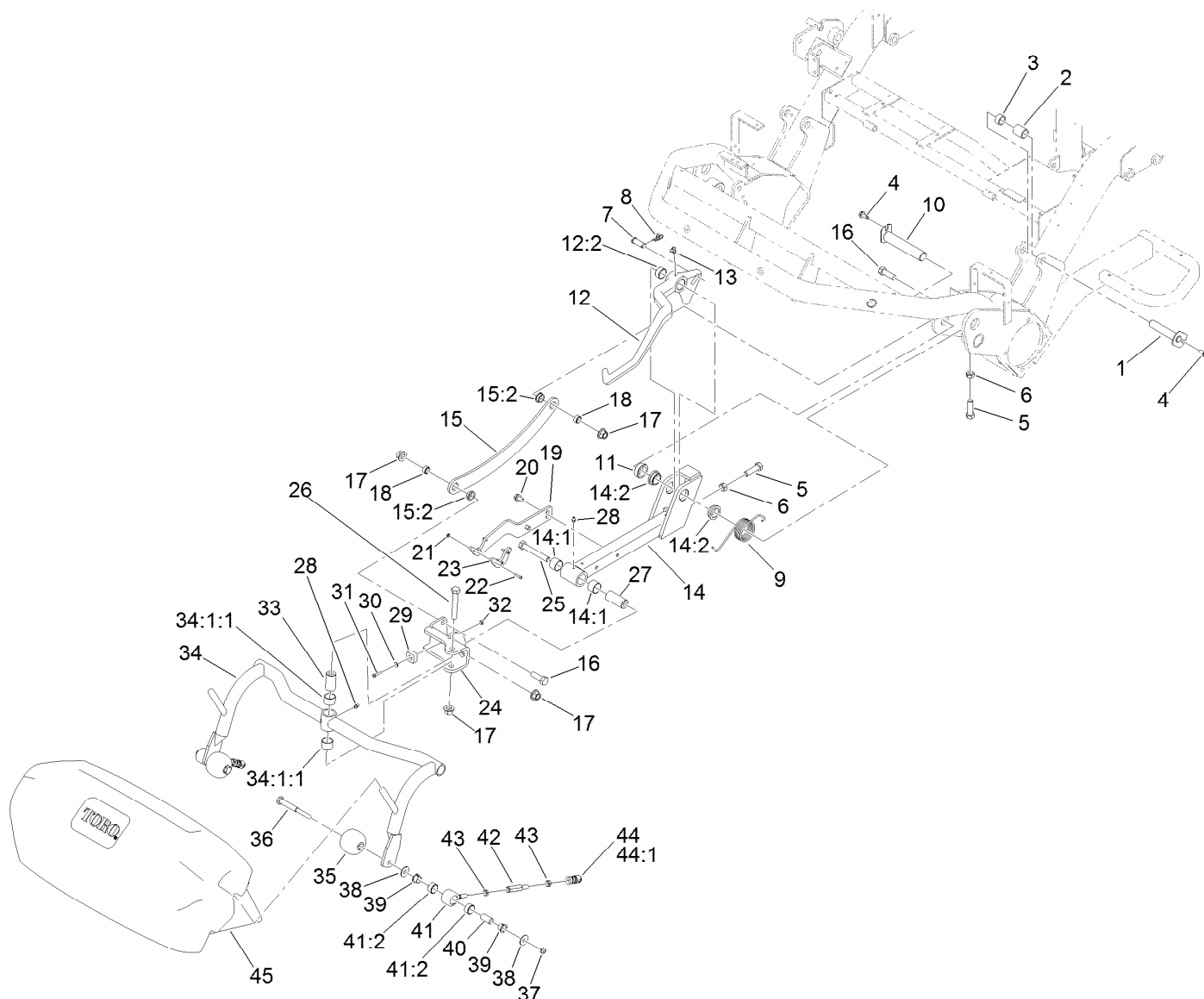


## Left Cutting Unit Suspension Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 140-5248    | 1    | Pin-Ram, Pivot        |
| 2    | 105-3838    | 1    | Spacer                |
| 3    | 74-3730     | 1    | Spacer-Spindle, Rear  |
| 4    | 9264964     | 2    | Screw-HWH, Thread Cut |
| 5    | 325-7       | 2    | Screw-HH              |
| 6    | 3218-5      | 2    | Nut-Jam               |
| 7    | 283-8       | 1    | Pin-Clevis            |
| 8    | 112-1491    | 1    | Pin-Cotter            |
| 9    | 105-3818    | 1    | Spring-Torsion, LH    |
| 10   | 94-8198     | 1    | Pin                   |
| 11   | 93-2384     | 1    | Spacer-Carrier        |
| 12   | 99-4212     | 1    | LH Lift Arm ASM       |
| 12:2 | 92-8995     | 2    | Bushing               |
| 13   | 302-60      | 1    | Fitting-Grease        |
| 14   | 99-4115     | 1    | Front Lift Frame ASM  |
| 14:1 | 98-4166     | 2    | Bushing               |
| 14:2 | 94-9610     | 2    | Bushing-Flange        |
| 15   | 99-4260     | 1    | LH Link Bracket ASM   |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 15:2 | 99-4243     | 2    | Bushing-Flange      |
| 16   | 325-6       | 2    | Screw-HH            |
| 17   | 99-5107     | 4    | Nut-Lock            |
| 18   | 99-4201     | 2    | Tube-Spacer         |
| 19   | 99-4112-01  | 1    | Plate-Transport, #2 |
| 20   | 32144-69    | 2    | Screw-HWHTF         |
| 21   | 3296-54     | 3    | Nut-Lock            |
| 22   | 3250-17     | 3    | Screw-PPH           |
| 23   | 99-4225     | 1    | Pad-Wear            |
| 24   | 99-4182-01  | 1    | LH Clevis ASM       |
| 25   | 325-14      | 1    | Screw-HH            |
| 26   | 325-13      | 1    | Screw-HH            |
| 27   | 99-4072     | 1    | Spacer              |
| 28   | 302-5       | 2    | Fitting-Grease      |
| 29   | 94-1392     | 1    | Pad-Rubber          |
| 30   | 3256-14     | 1    | Washer-Flat         |
| 31   | 3250-27     | 1    | Screw-PPH           |
| 32   | 3296-12     | 1    | Nut-Lock, NI        |

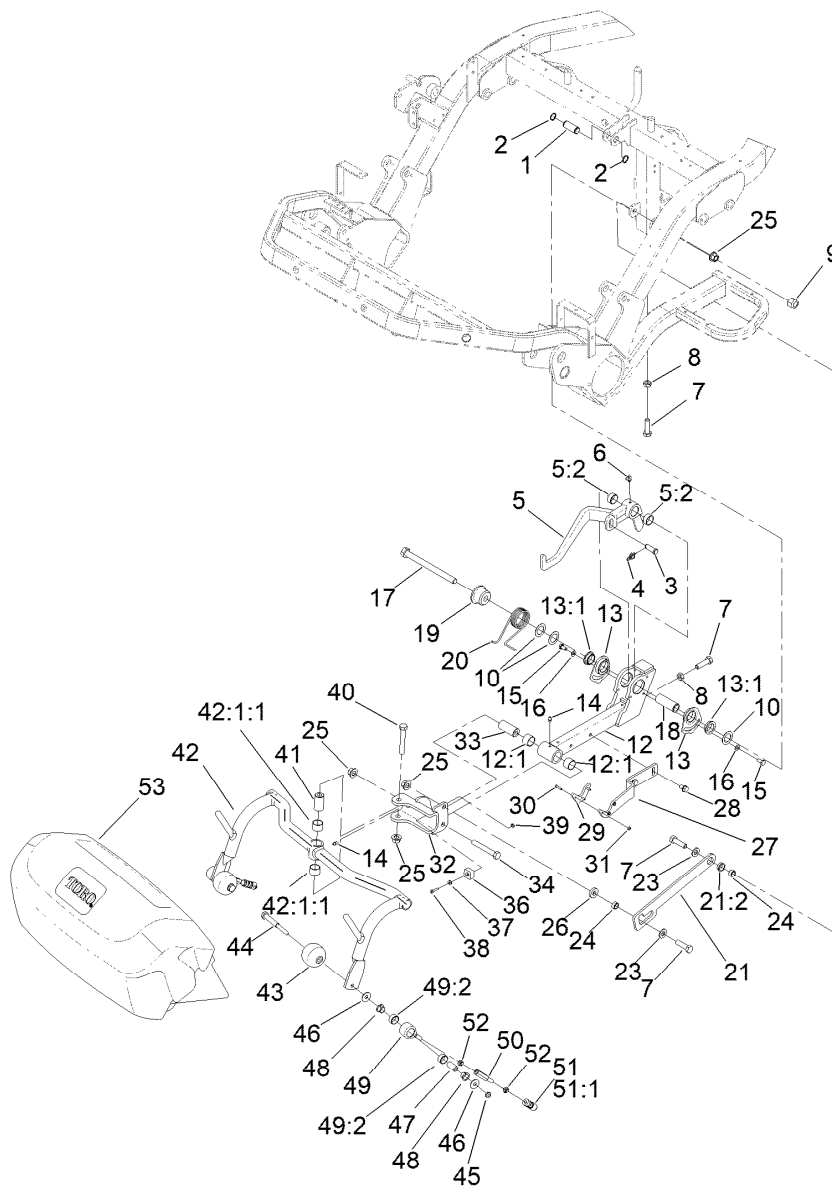
● Not illustrated



## Left Cutting Unit Suspension Assembly (continued)

| Ref.   | Part Number | Qty. | Description       | Ref. | Part Number | Qty. | Description             |
|--------|-------------|------|-------------------|------|-------------|------|-------------------------|
| 33     | 99-4109     | 1    | Spacer            | 41   | 139-6539    | 2    | Pull Link ASM           |
| 34     | 136-8577    | 1    | Pull Frame ASM    | 41:2 | 95-0532     | 2    | Rubber Bushing ASM      |
| 34:1:1 | 98-4166     | 2    | Bushing           | 42   | 88-6870     | 2    | Extension-Arm, Pull     |
| 35     | 99-4210     | 2    | Roller-Anti Scalp | 43   | 3220-3      | 4    | Nut-HJ                  |
| 36     | 108-6543    | 2    | Shaft-Roller      | 44   | 147-3120    | 2    | Ball Joint Receiver ASM |
| 37     | 3296-59     | 2    | Nut-Lock, NI      | 44:1 | 147-3121    | 1    | Sleeve-Joint Ball       |
| 38     | 119-4150    | 4    | Washer-Flat       | 45   | 106-4689    | 1    | Grass Basket ASM        |
| 39     | 104-7738    | 4    | Bushing-Flange    | 45:2 | 104-2607    | 1    | Strip-Basket ●          |
| 40     | 108-6544    | 2    | Spacer            | 45:3 | 3290-382    | 8    | Rivet-Pop ●             |

● Not illustrated

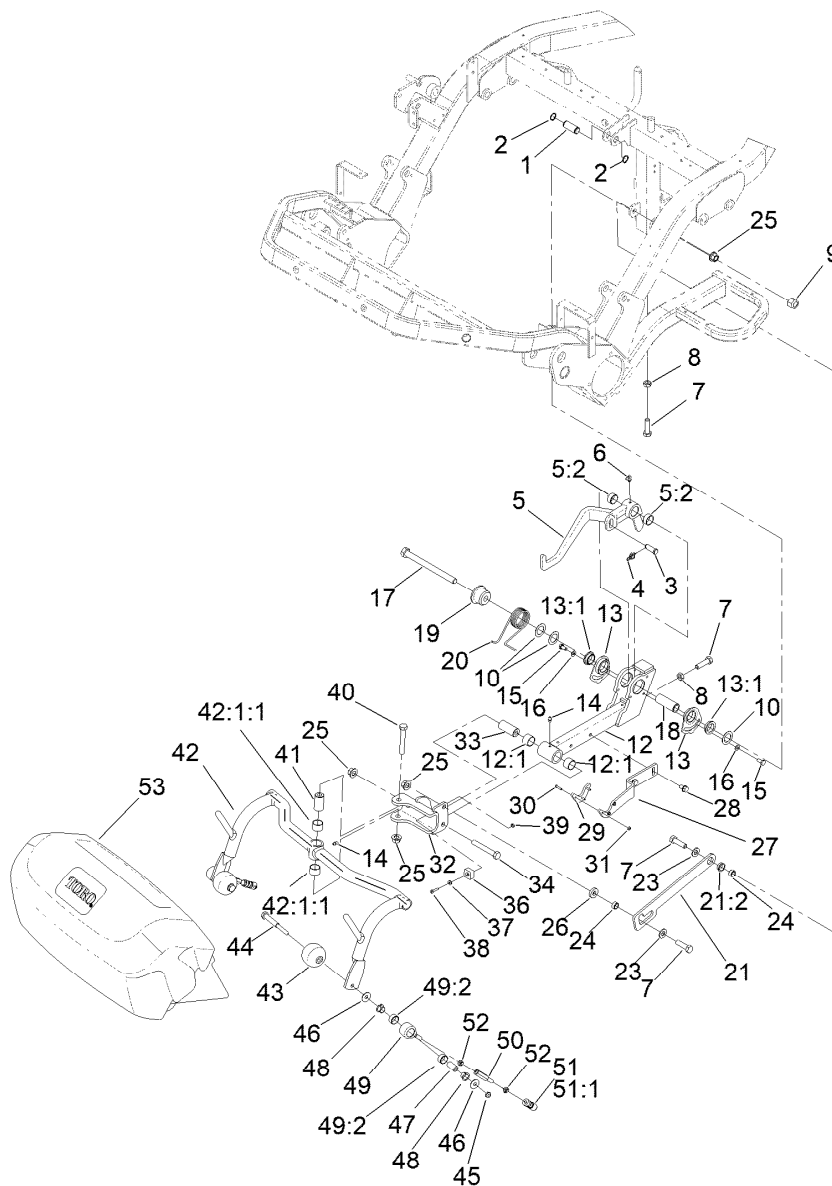


## Center Cutting Unit Suspension Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 94-3452     | 1    | Pin                   |
| 2    | 32120-72    | 2    | Ring-Snap             |
| 3    | 283-8       | 1    | Pin-Clevis            |
| 4    | 112-1491    | 1    | Pin-Cotter            |
| 5    | 99-4126     | 1    | Center Lift Arm ASM   |
| 5:2  | 92-8995     | 2    | Bushing               |
| 6    | 302-60      | 1    | Fitting-Grease        |
| 7    | 325-7       | 4    | Screw-HH              |
| 8    | 3218-5      | 2    | Nut-Jam               |
| 9    | 3296-53     | 1    | Nut-Lock, NI          |
| 10   | 63-2290     | 3    | Washer-Thrust         |
| 12   | 99-4116     | 1    | Rear Lift Frame ASM   |
| 12:1 | 98-4166     | 2    | Bushing               |
| 13   | 140-6220    | 2    | Eccentric Bushing ASM |
| 13:1 | 98-2197     | 1    | Bushing-Flange        |
| 14   | 302-5       | 2    | Fitting-Grease        |
| 15   | 33114-016   | 2    | Screw-HH              |
| 16   | 3256-74     | 2    | Washer-Flat           |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 17   | 327-25      | 1    | Screw-HH                 |
| 18   | 94-8199     | 1    | Tube-Pivot               |
| 19   | 105-9779    | 1    | Guide-Spring             |
| 20   | 105-9781    | 1    | Spring-Torsion           |
| 21   | 99-4246     | 1    | Link Bracket ASM         |
| 21:2 | 99-4243     | 1    | Bushing-Flange           |
| 23   | 3256-26     | 2    | Washer-Flat              |
| 24   | 99-4201     | 2    | Tube-Spacer              |
| 25   | 99-5107     | 4    | Nut-Lock                 |
| 26   | 99-4248     | 1    | Spacer                   |
| 27   | 99-4111-01  | 1    | Plate-Transport, 1 And 3 |
| 28   | 32144-69    | 2    | Screw-HWHTF              |
| 29   | 99-4225     | 1    | Pad-Wear                 |
| 30   | 3250-17     | 3    | Screw-PPH                |
| 31   | 3296-54     | 3    | Nut-Lock                 |
| 32   | 99-4183-01  | 1    | RH Clevis ASM            |
| 33   | 99-4072     | 1    | Spacer                   |
| 34   | 325-14      | 1    | Screw-HH                 |

● Not illustrated

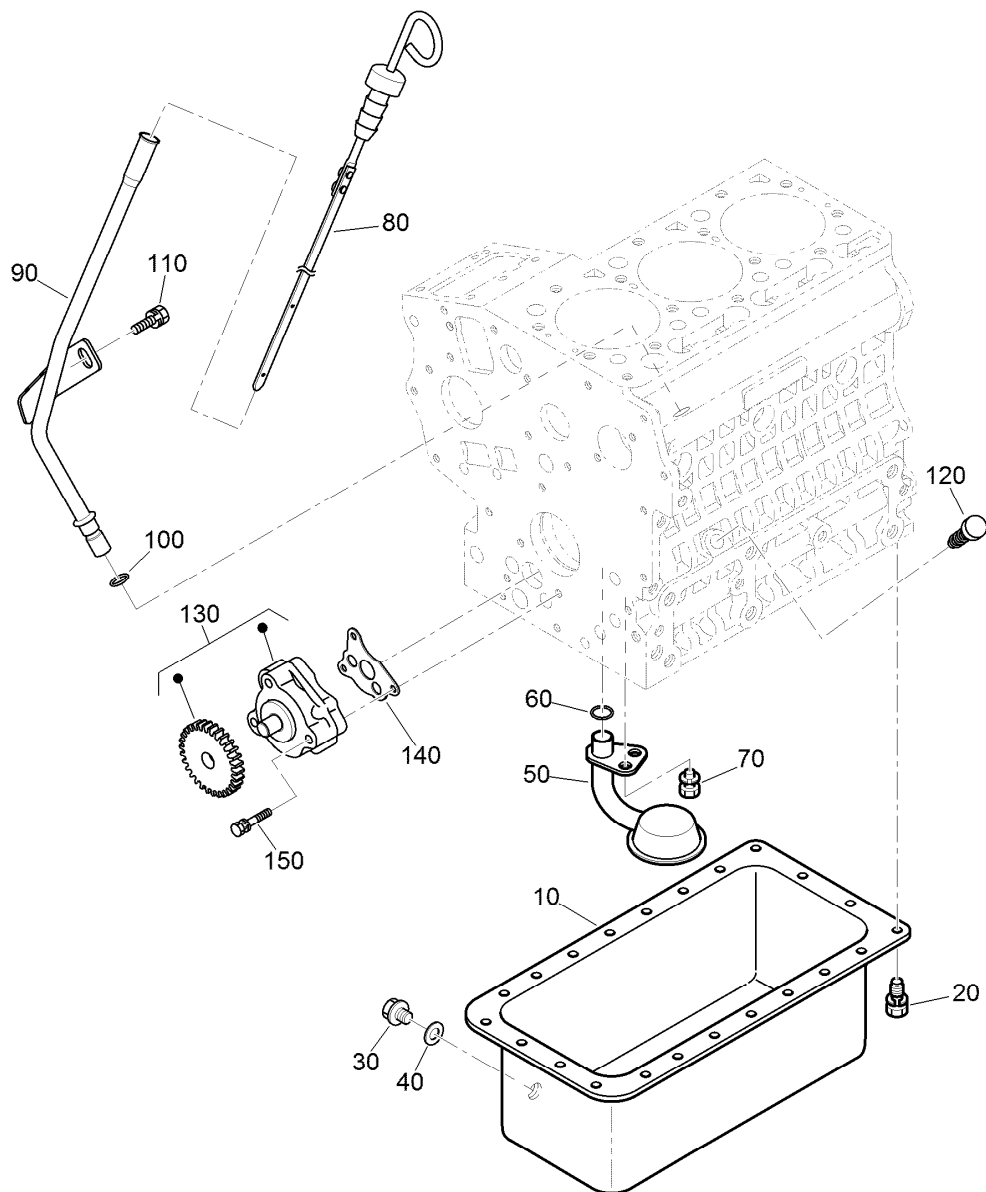


## Center Cutting Unit Suspension Assembly (continued)

| Ref.   | Part Number | Qty. | Description       | Ref. | Part Number | Qty. | Description             |
|--------|-------------|------|-------------------|------|-------------|------|-------------------------|
| 36     | 94-1392     | 1    | Pad-Rubber        | 47   | 108-6544    | 2    | Spacer                  |
| 37     | 3256-14     | 1    | Washer-Flat       | 48   | 104-7738    | 4    | Bushing-Flange          |
| 38     | 3250-27     | 1    | Screw-PPH         | 49   | 139-6539    | 2    | Pull Link ASM           |
| 39     | 3296-12     | 1    | Nut-Lock, NI      | 49:2 | 95-0532     | 2    | Rubber Bushing ASM      |
| 40     | 325-13      | 1    | Screw-HH          | 50   | 88-6870     | 2    | Extension-Arm, Pull     |
| 41     | 99-4109     | 1    | Spacer            | 51   | 147-3120    | 2    | Ball Joint Receiver ASM |
| 42     | 136-8577    | 1    | Pull Frame ASM    | 51:1 | 147-3121    | 1    | Sleeve-Joint Ball       |
| 42:1:1 | 98-4166     | 2    | Bushing           | 52   | 3220-3      | 4    | Nut-HJ                  |
| 43     | 99-4210     | 2    | Roller-Anti Scalp | 53   | 106-4689    | 1    | Grass Basket ASM        |
| 44     | 108-6543    | 2    | Shaft-Roller      | 53:2 | 104-2607    | 1    | Strip-Basket ●          |
| 45     | 3296-59     | 2    | Nut-Lock, NI      | 53:3 | 3290-382    | 8    | Rivet-Pop ●             |
| 46     | 119-4150    | 4    | Washer-Flat       |      |             |      |                         |

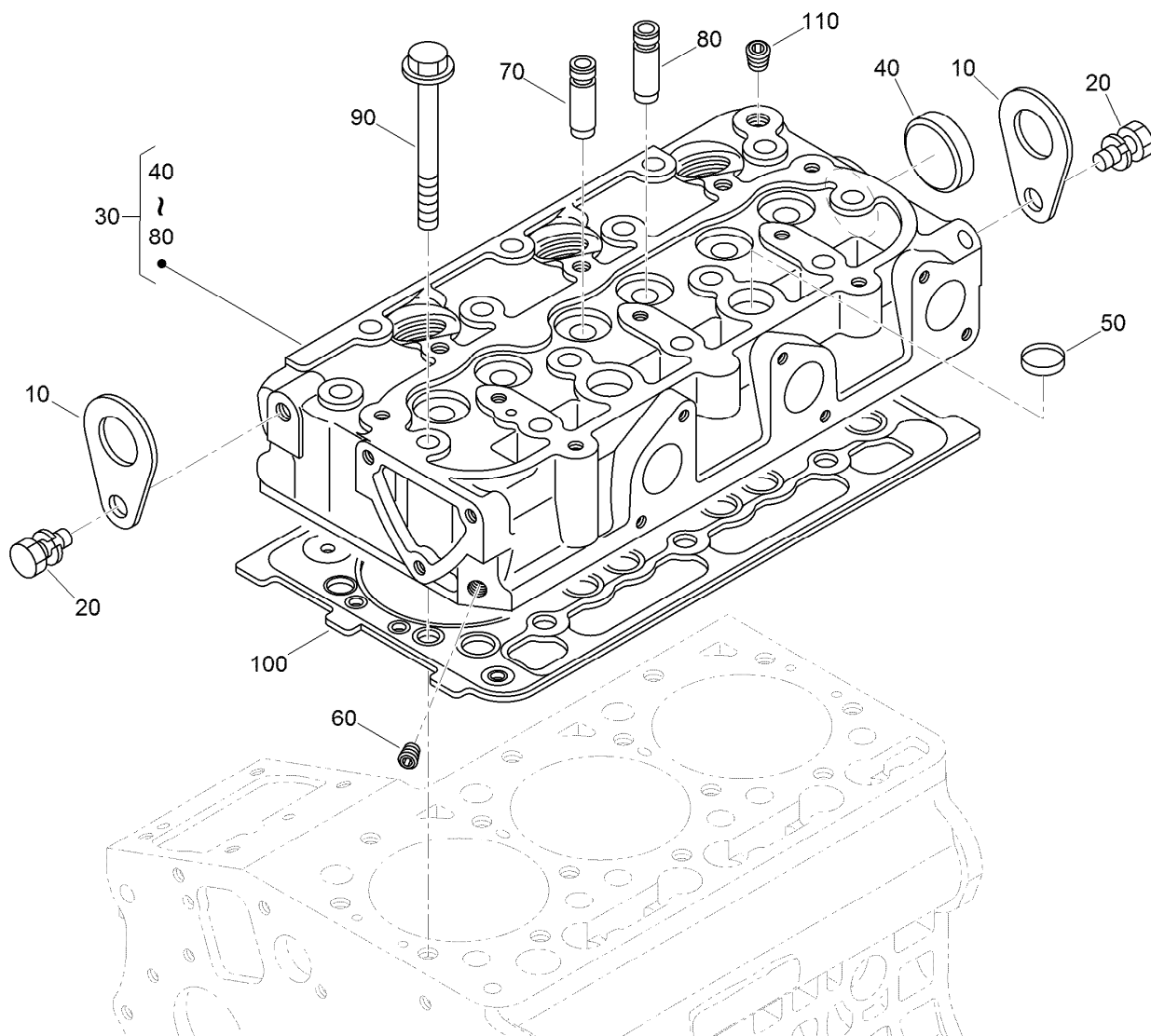
● Not illustrated





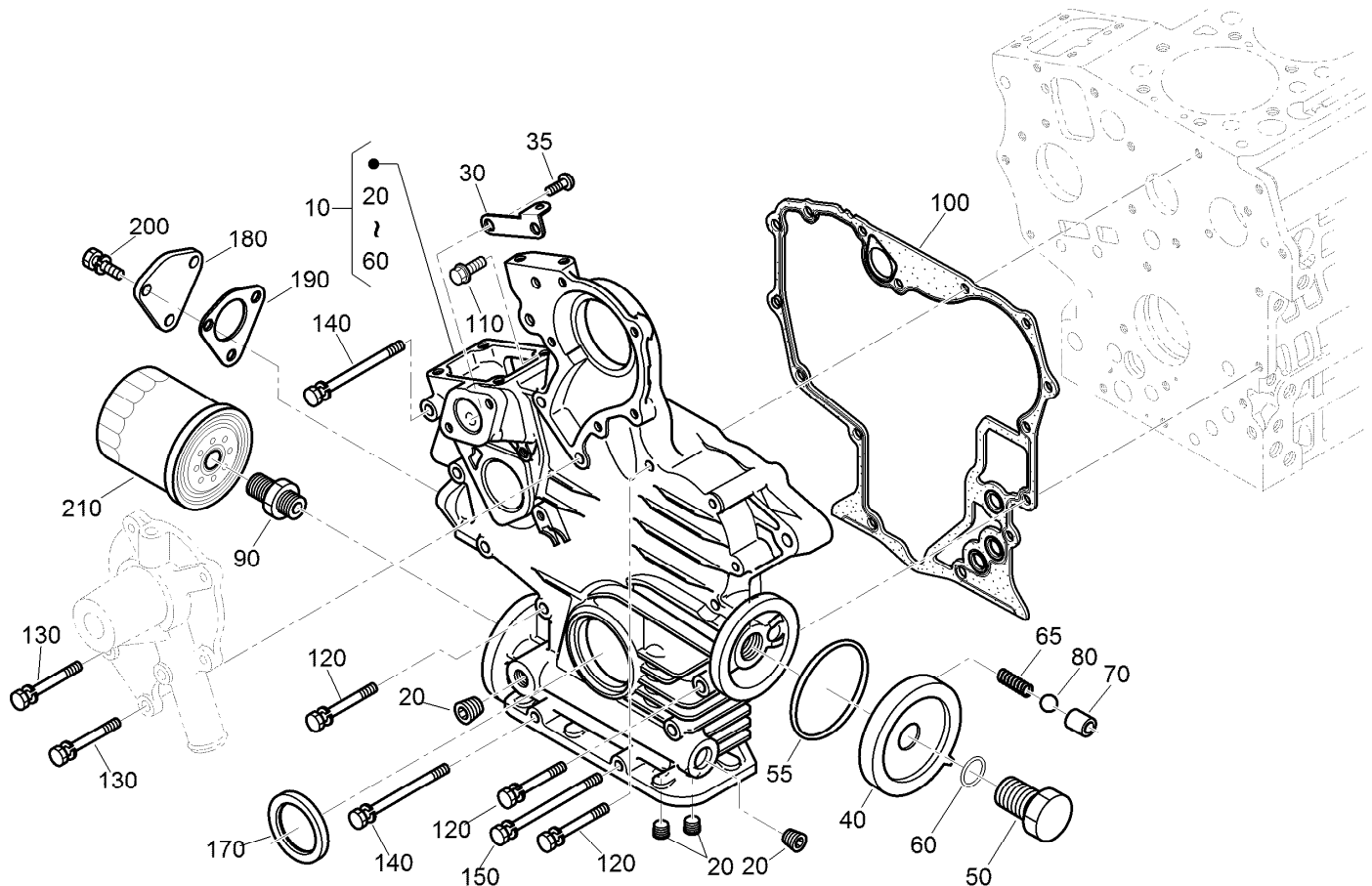
## Oil Pan, Oil Pump and Dipstick Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 120-3122    | 1    | Oil Pan ASM          |
| 20   | 98-9350     | 22   | Bolt                 |
| 30   | 114-8151    | 1    | Plug-Drain           |
| 40   | 98-7524     | 1    | Gasket               |
| 50   | 100-2001    | 1    | Strainer-Pickup, Oil |
| 60   | 105-3776    | 1    | O-Ring               |
| 70   | 100-9195    | 1    | Bolt                 |
| 80   | 120-3124    | 1    | Gauge-Oil            |
| 90   | 120-3125    | 1    | Guide-Gauge, Oil     |
| 100  | 98-9722     | 1    | O-Ring               |
| 110  | 115-8504    | 1    | Bolt-Flange          |
| 120  | 110-3720    | 1    | Plug-Gauge, Oil      |
| 130  | 121-2407    | 1    | Oil Pump ASM         |
| 140  | 121-2408    | 1    | Gasket-Pump, Oil     |
| 150  | 100-1923    | 3    | Bolt                 |



## Cylinder Head Assembly

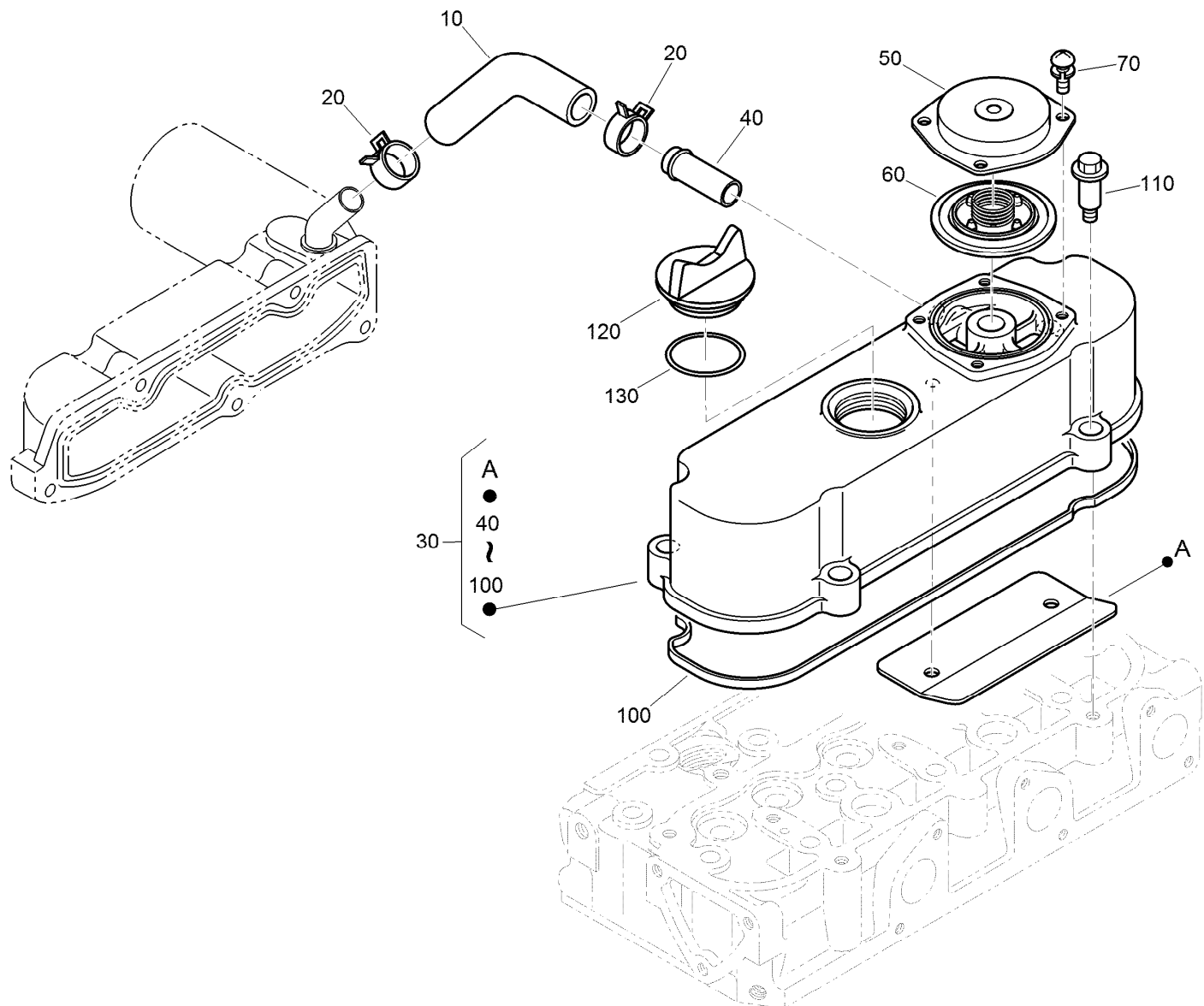
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 98-7531     | 2    | Hook-Engine           |
| 20   | 98-7526     | 2    | Bolt                  |
| 30   | 130-1504    | 1    | Cylinder Head ASM     |
| 40   | 105-3705    | 1    | Cap-Sealing           |
| 50   | 98-9389     | 2    | Cap-Sealing           |
| 60   | 98-9687     | 1    | Plug                  |
| 70   | 100-1882    | 3    | Guide-Valve, Inlet    |
| 80   | 100-1883    | 3    | Guide-Valve, Exhaust  |
| 90   | 100-1820    | 14   | Bolt-Head, Cylinder   |
| 100  | 112-2520    | 1    | Gasket-Head, Cylinder |
| 110  | 98-9444     | 1    | Plug                  |



## Gear Case and Oil Filter Cartridge Assembly

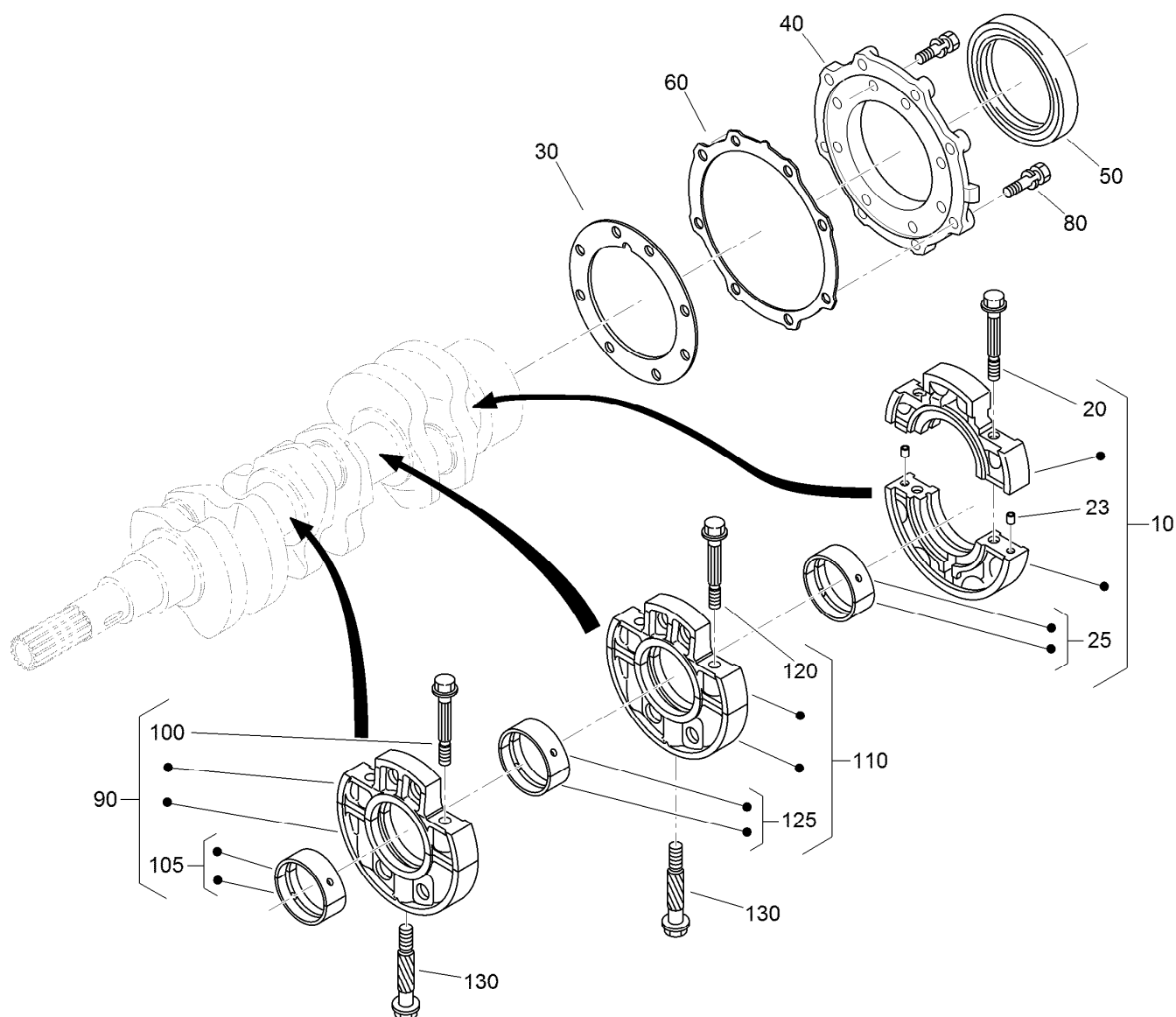
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 121-2401    | 1    | Gearcase ASM       |
| 20   | 98-7488     | 4    | Plug               |
| 30   | 110-3708    | 1    | Stay-Spring, Start |
| 35   | 100-2040    | 2    | Screw              |
| 40   | 121-2402    | 1    | Cover              |
| 50   | 121-2403    | 1    | Bolt               |
| 55   | 98-9729     | 1    | O-Ring             |
| 60   | 105-3777    | 1    | O-Ring             |
| 65   | 100-2004    | 1    | Spring             |
| 70   | 100-1894    | 1    | Seat-Valve         |
| 80   | 100-1792    | 1    | Ball               |
| 90   | 98-9388     | 1    | Joint-Pipe         |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 100  | 121-2404    | 1    | Gasket-Gearcase    |
| 110  | 127-0403    | 1    | Bolt-Flange        |
| 120  | 125-9063    | 8    | Bolt-Sems          |
| 130  | 100-1922    | 2    | Bolt               |
| 140  | 98-9357     | 3    | Bolt               |
| 150  | 110-3710    | 1    | Bolt               |
| 170  | 120-7852    | 1    | Seal-Oil           |
| 180  | 121-2405    | 1    | Cover              |
| 190  | 121-2406    | 1    | Packing-Flange     |
| 200  | 98-7605     | 3    | Bolt               |
| 210  | 115-8189    | 1    | Filter-Oil, Engine |



## Cylinder Head Cover Assembly

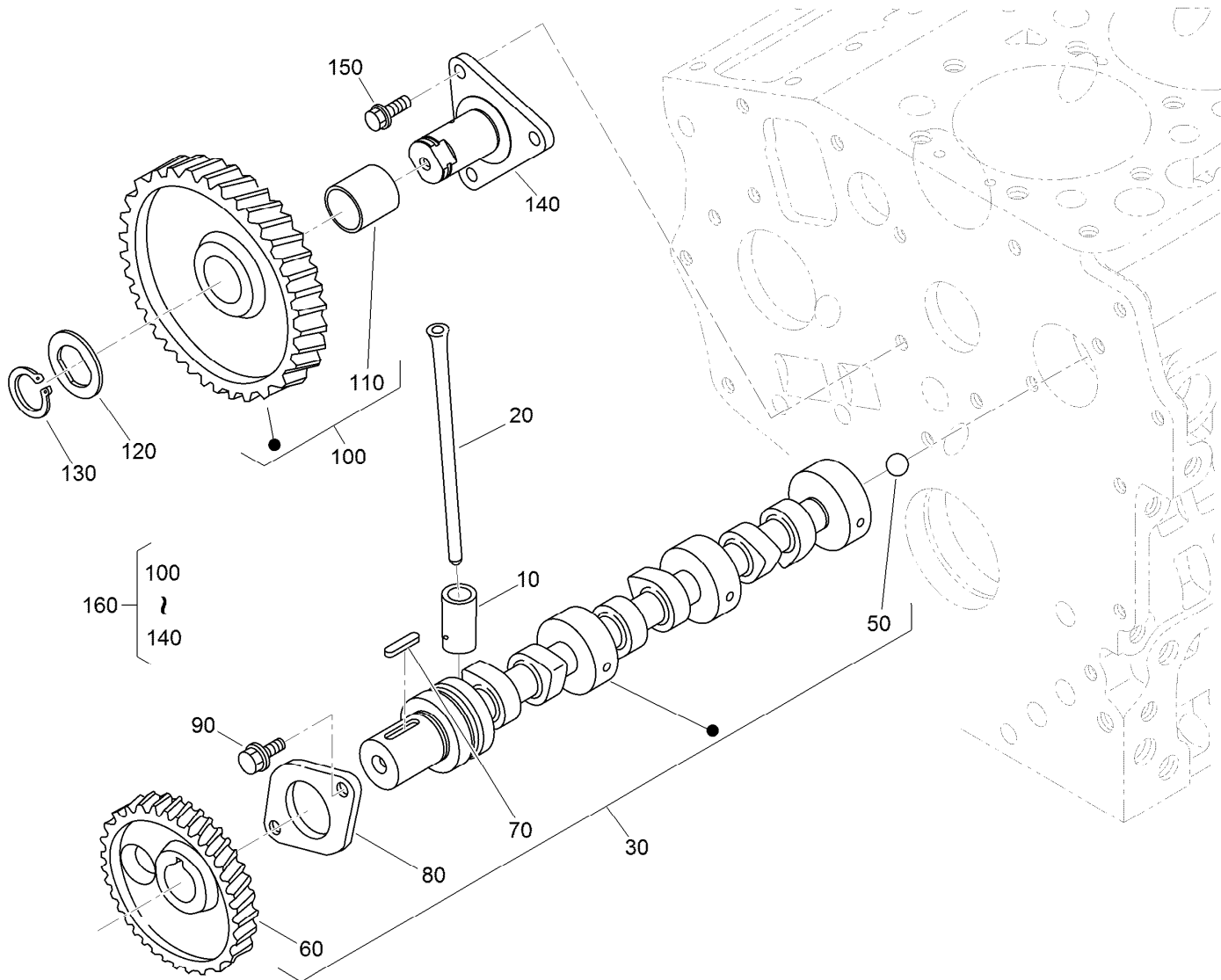
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 120-3139    | 1    | Tube-Breather           |
| 20   | 110-3712    | 2    | Clamp-Hose              |
| 30   | 112-8332    | 1    | Cylinder Head Cover ASM |
| 40   | 98-9580    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



## Main Bearing Case Assembly

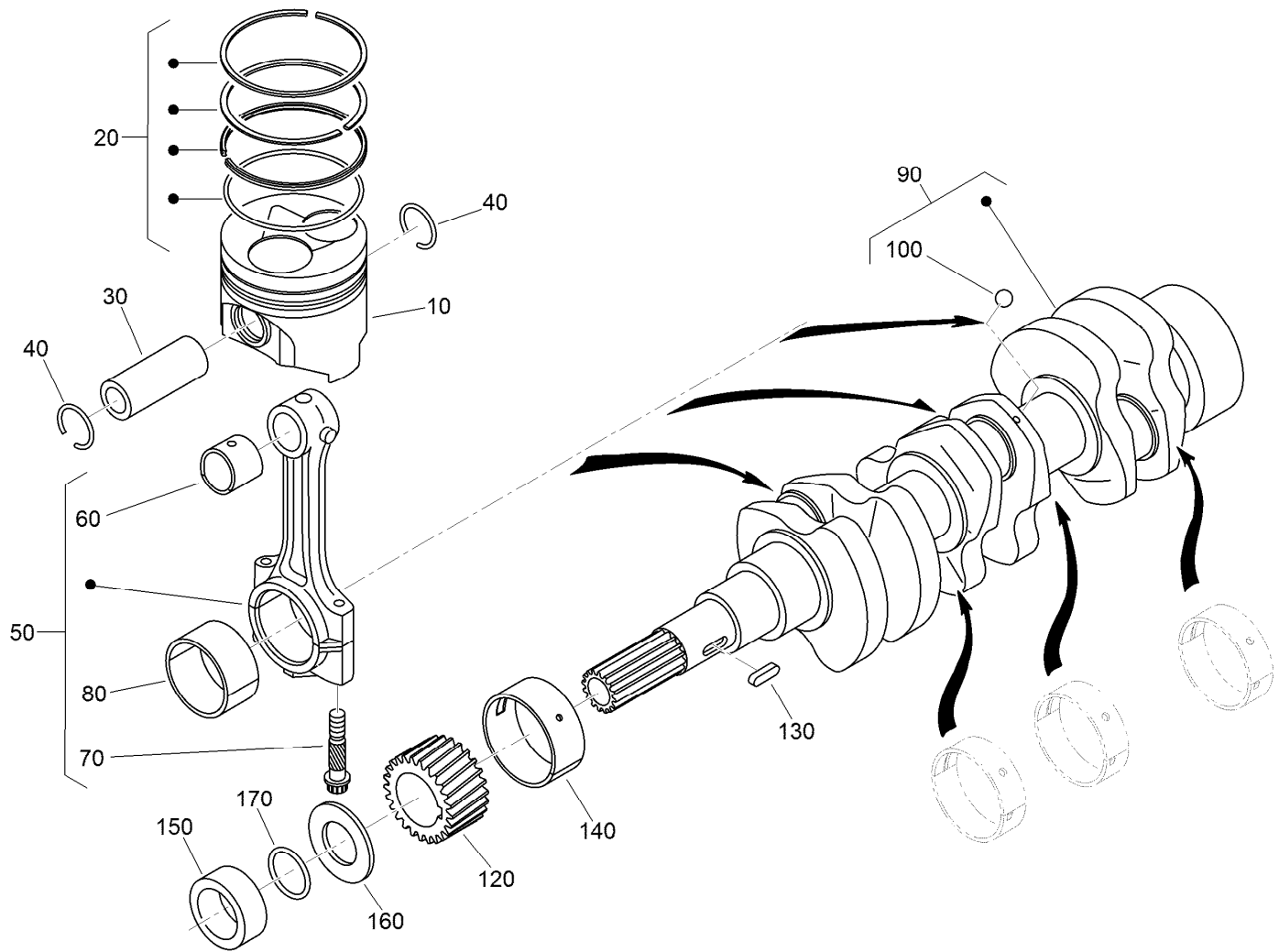
| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 10   | 125-9064    | 1    | Wheel Bearing Case ASM         |
| 20   | 125-9065    | 2    | Bolt-Flange                    |
| 23   | 125-9082    | 2    | Pin-Straight                   |
| 25   | 125-9066    | 1    | Crankshaft Metal ASM (STD)     |
| 25   | 125-9067    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 25   | 125-9068    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 30   | 100-1873    | 1    | Gasket-Case, Bearing           |
| 40   | 112-8334    | 1    | Cover-Case, Bearing            |
| 50   | 110-3724    | 1    | Seal-Oil                       |
| 60   | 100-1876    | 1    | Gasket-Cover, Case             |
| 80   | 100-1750    | 16   | Bolt                           |
| 90   | 110-3725    | 1    | Main Bearing Case ASM          |
| 100  | 110-3723    | 2    | Bolt-Case, Bearing             |

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 105  | 110-3741    | 1    | Crankshaft Metal ASM (STD)     |
| 105  | 125-9083    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 105  | 110-3743    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 110  | 125-9069    | 1    | Main Case Bearing ASM          |
| 120  | 110-3723    | 2    | Bolt-Case, Bearing             |
| 125  | 110-3741    | 1    | Crankshaft Metal ASM (STD)     |
| 125  | 125-9083    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 125  | 110-3743    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 130  | 100-1874    | 2    | Bolt-Case, Bearing             |



## Camshaft and Idle Gear Shaft Assembly

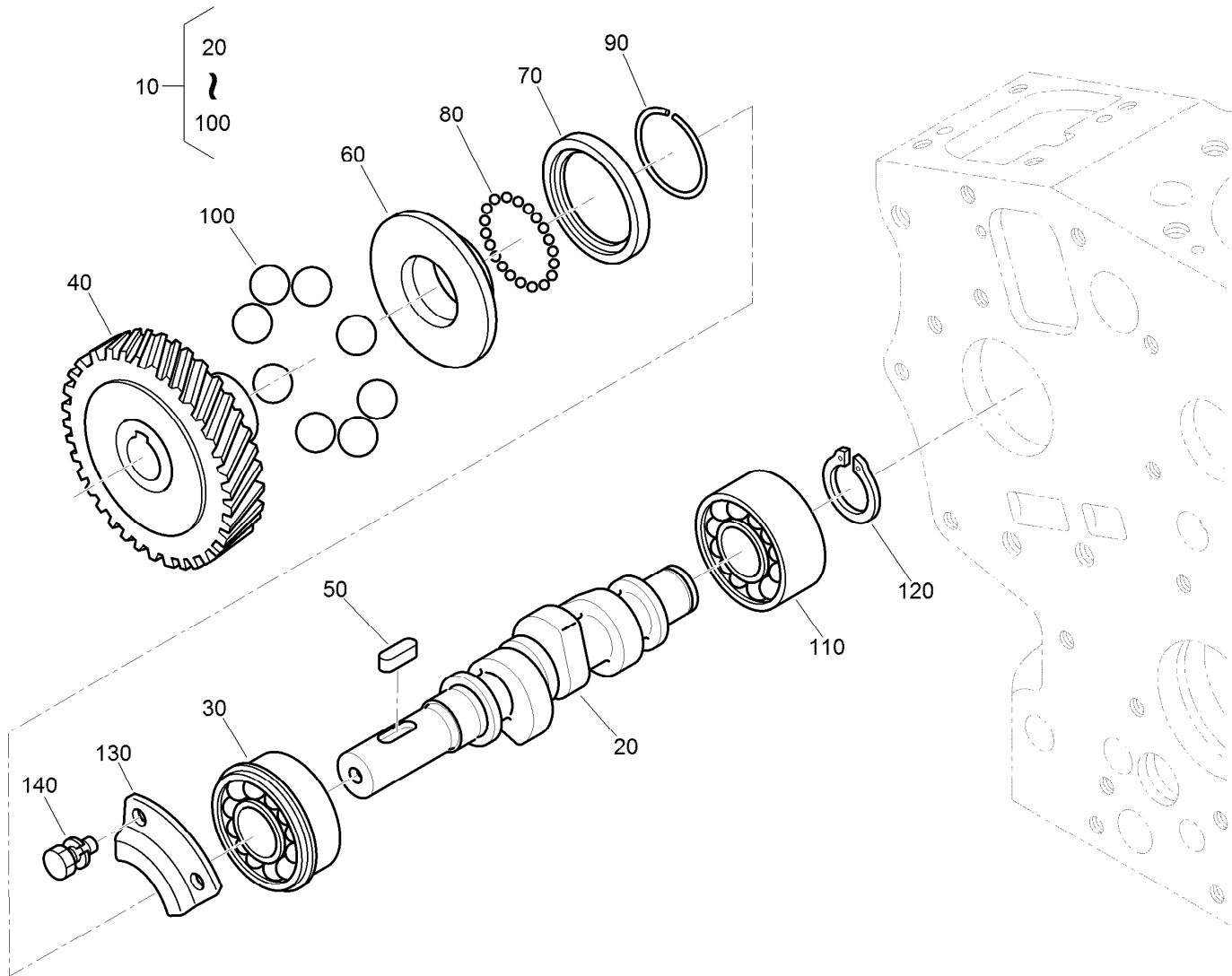
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 110-3727    | 6    | Tappet            |
| 20   | 100-1989    | 6    | Rod-Push          |
| 30   | 120-3126    | 1    | Camshaft ASM      |
| 50   | 110-3729    | 1    | Ball              |
| 60   | 130-1534    | 1    | Gear-Cam          |
| 70   | 98-9378     | 1    | Key-Feather       |
| 80   | 100-1887    | 1    | Stopper-Camshaft  |
| 90   | 98-9350     | 2    | Bolt              |
| 100  | 121-2421    | 1    | Idle Gear ASM     |
| 110  | 121-2422    | 1    | Bushing           |
| 120  | 100-1970    | 1    | Collar-Gear, Idle |
| 130  | 100-1969    | 1    | Ring-Snap         |
| 140  | 100-1967    | 1    | Shaft-Gear, Idle  |
| 150  | 100-1774    | 3    | Bolt-Flange       |
| 160  | 100-2240    | 1    | Idle Gear ASM     |



## Piston and Crankshaft Assembly

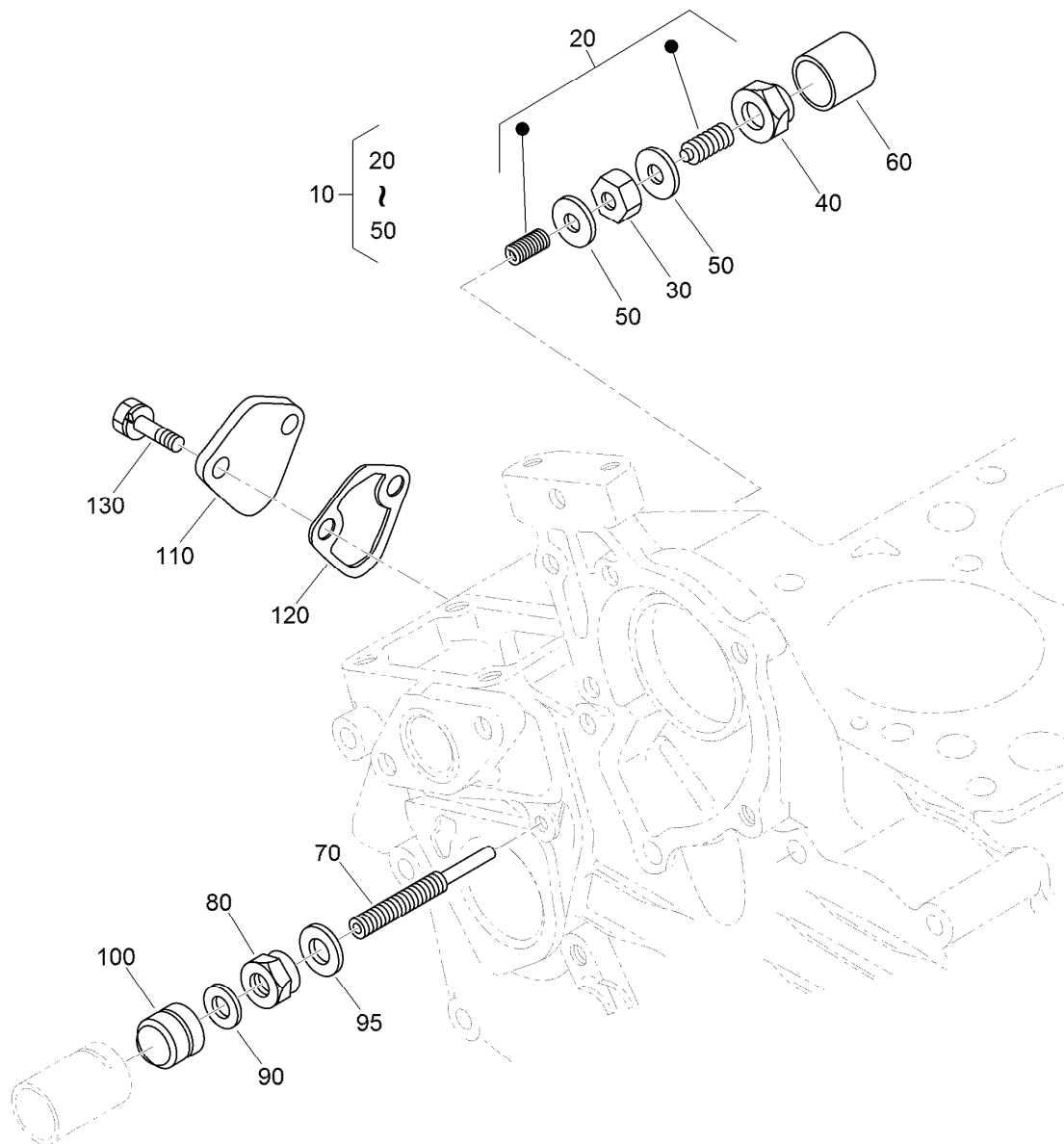
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 130-1518    | 3    | Piston                  |
| 10   | 130-1520    | 3    | Piston                  |
| 20   | 130-1516    | 3    | Piston Ring ASM         |
| 20   | 130-1517    | 3    | Piston Ring ASM         |
| 30   | 110-3734    | 3    | Pin-Piston              |
| 40   | 100-1835    | 6    | Circlip-Internal        |
| 50   | 125-9070    | 3    | Connecting Rod ASM      |
| 60   | 110-3736    | 3    | Bushing-Pin, Piston     |
| 70   | 100-1999    | 6    | Bolt-Rod, Connecting    |
| 80   | 100-2000    | 3    | Metal-Crankpin (STD)    |
| 80   | 121-3849    | 3    | Metal-Crankpin (-.20MM) |

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 80   | 121-2420    | 3    | Metal-Crankpin (-.40MM)   |
| 90   | 117-0308    | 1    | Crankshaft                |
| 100  | 100-1791    | 3    | Ball                      |
| 120  | 100-1891    | 1    | Gear-Crankshaft           |
| 130  | 100-1752    | 1    | Key-Feather               |
| 140  | 110-3738    | 1    | Metal-Crankshaft (STD)    |
| 140  | 121-2424    | 1    | Metal-Crankshaft (-.20MM) |
| 140  | 121-2425    | 1    | Metal-Crankshaft (-.40MM) |
| 150  | 100-1890    | 1    | Collar-Crankshaft         |
| 160  | 100-1974    | 1    | Slinger-Oil               |
| 170  | 100-2209    | 1    | O-Ring                    |



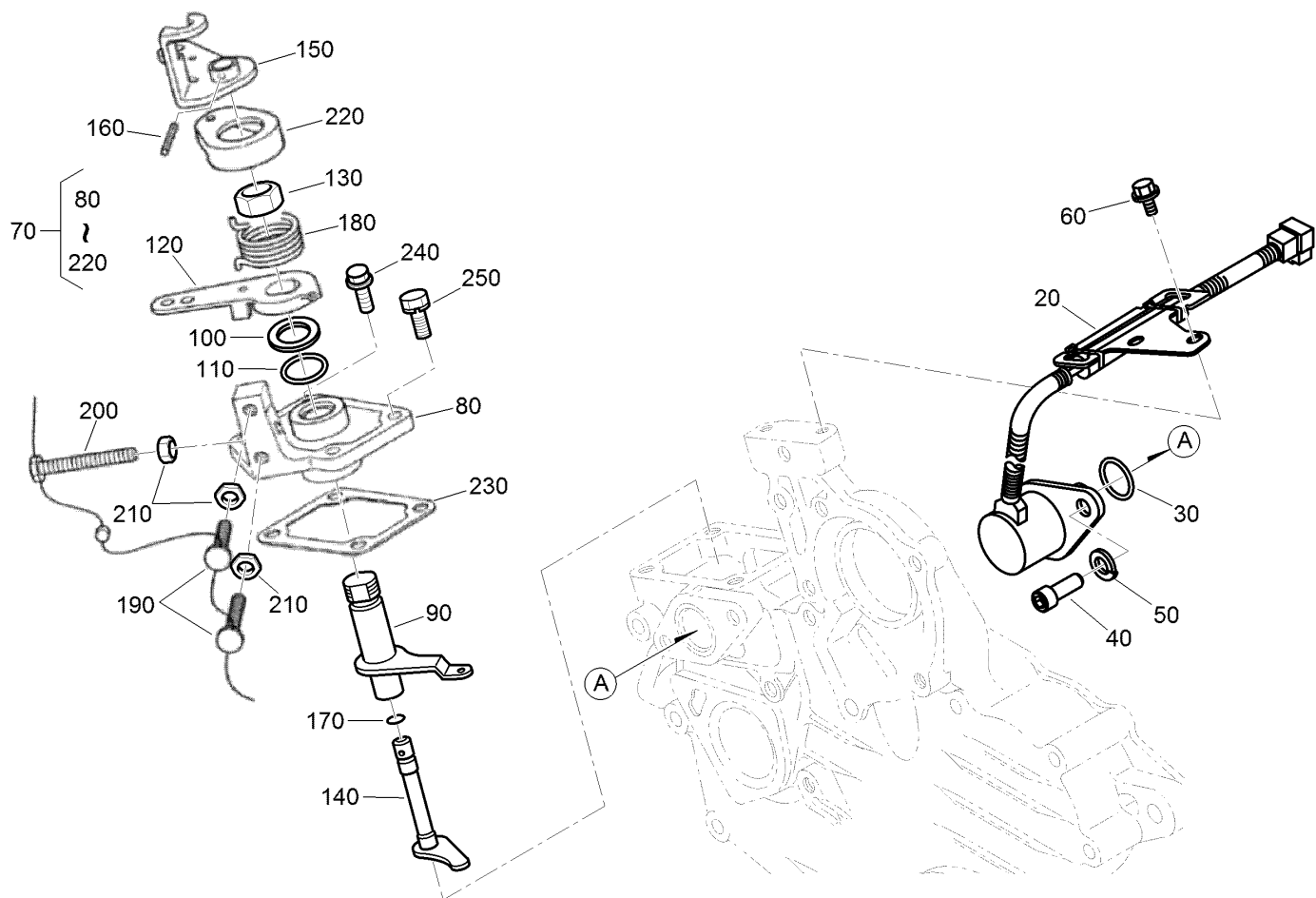
## Fuel Camshaft Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 112-8335    | 1    | Fuel Camshaft ASM      |
| 20   | 110-3756    | 1    | Camshaft-Fuel          |
| 30   | 100-1795    | 1    | Bearing-Ball           |
| 40   | 100-2006    | 1    | Gear-Pump, Injection   |
| 50   | 100-1752    | 1    | Key-Feather            |
| 60   | 112-8336    | 1    | Sleeve-Governor        |
| 70   | 100-1904    | 1    | Case-Ball, Governor    |
| 80   | 100-1790    | 32   | Ball                   |
| 90   | 100-1843    | 1    | Circ-Clip              |
| 100  | 100-1793    | 8    | Ball                   |
| 110  | 110-3757    | 1    | Bearing-Ball           |
| 120  | 100-1784    | 1    | Circ-Clip, External    |
| 130  | 100-1888    | 1    | Stopper-Fuel, Camshaft |
| 140  | 98-9350     | 2    | Bolt                   |



## Idle Apparatus and Fuel Pump Cover Assembly

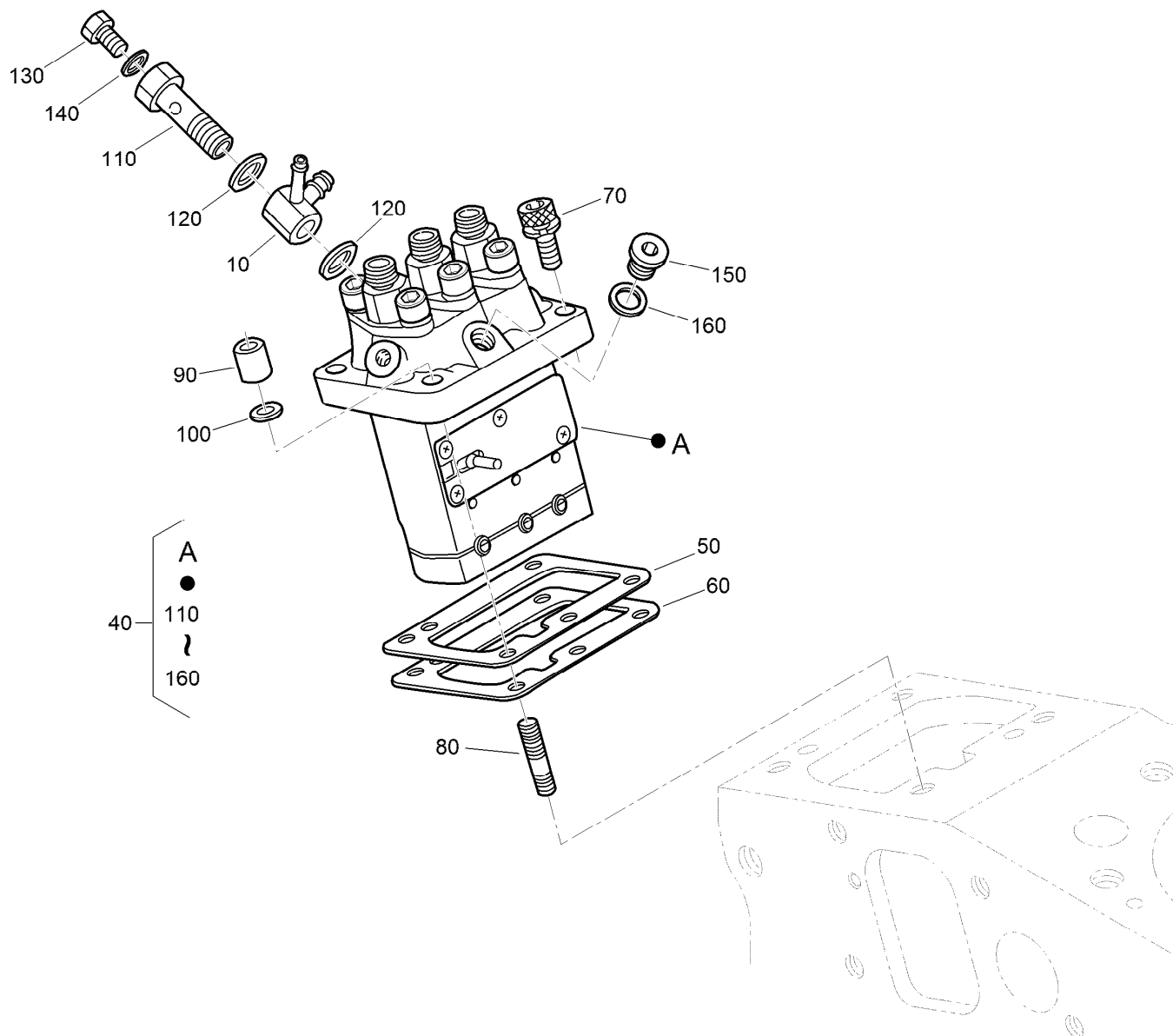
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 100-1898    | 1    | Idle Apparatus ASM |
| 20   | 100-1899    | 1    | Adjusting Bolt ASM |
| 30   | 100-1846    | 1    | Nut                |
| 40   | 100-1901    | 1    | Nut-Cap            |
| 50   | 98-7428     | 2    | Gasket             |
| 60   | 100-1902    | 1    | Cap                |
| 70   | 110-3758    | 1    | Bolt-Adjusting     |
| 80   | 100-2175    | 1    | Nut-Lock           |
| 90   | 98-7654     | 1    | Gasket             |
| 95   | 107-9081    | 1    | Gasket             |
| 100  | 99-8387     | 1    | Nut-Cap            |
| 110  | 99-3514     | 1    | Cover              |
| 120  | 98-9636     | 1    | Gasket-Pump, Fuel  |
| 130  | 98-7692     | 2    | Bolt               |



## Stop Solenoid and Speed Control Plate Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 20   | 117-2719    | 1    | Solenoid Stop ASM       |
| 30   | 110-3762    | 1    | O-Ring                  |
| 40   | 110-3763    | 2    | Bolt-HSH                |
| 50   | 98-7699     | 2    | Washer-Spring           |
| 60   | 100-1774    | 2    | Bolt-Flange             |
| 70   | 110-3769    | 1    | Speed Control Plate ASM |
| 80   | 110-3770    | 1    | Plate-Control, Speed    |
| 90   | 110-3771    | 1    | Lever-Governor          |
| 100  | 110-3772    | 1    | Collar                  |
| 110  | 100-2208    | 1    | O-Ring                  |
| 120  | 110-3773    | 1    | Lever-Control, Speed    |
| 130  | 110-3774    | 1    | Nut-Control, Speed      |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 140  | 110-3775    | 1    | Shaft-Lever           |
| 150  | 110-3776    | 1    | Lever-Stop, Engine    |
| 160  | 110-3777    | 1    | Pin-Spring            |
| 170  | 100-2207    | 1    | O-Ring                |
| 180  | 110-3778    | 1    | Spring-Return         |
| 190  | 120-3133    | 2    | Screw-Stopper         |
| 200  | 120-3134    | 1    | Bolt                  |
| 210  | 98-7572     | 3    | Nut                   |
| 220  | 110-3779    | 1    | Cap                   |
| 230  | 100-1962    | 1    | Gasket-Plate, Control |
| 240  | 127-0403    | 2    | Bolt-Flange           |
| 250  | 112-2507    | 2    | Bolt                  |

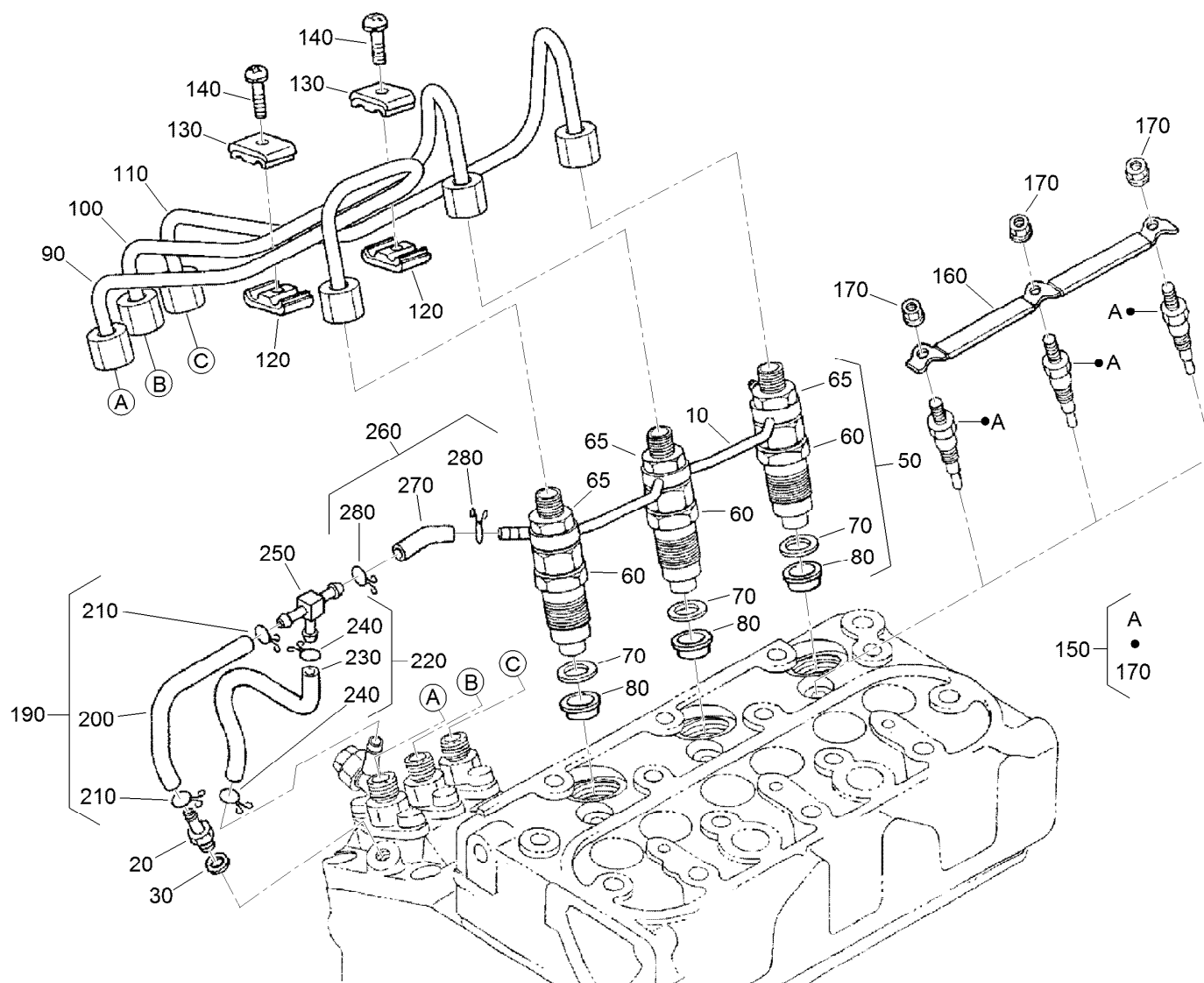


## Injection Pump Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 110-3764    | 1    | Joint                    |
| 40   | 110-3765    | 1    | Injection Pump ASM       |
| 50   | 115-3045    | 1    | Shim-Injection (0.175MM) |
| 50   | 98-9456     | 1    | Shim-Injection (0.20MM)  |
| 50   | 98-9457     | 1    | Shim-Injection (0.25MM)  |
| 60   | 98-9458     | 1    | Shim-Injection (0.30MM)  |
| 60   | 115-3046    | 1    | Shim-Injection (0.35MM)  |
| 70   | 117-7564    | 2    | Bolt-Hex Soc HD          |
| 80   | 98-9438     | 2    | Stud                     |

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 90   | 98-9440     | 2    | Nut-Cap       |
| 100  | 98-7699     | 2    | Washer-Spring |
| 110  | 100-1896    | 1    | Screw-Hollow  |
| 120  | 98-9445     | 2    | Gasket        |
| 130  | 98-9430     | 1    | Screw         |
| 140  | 98-9446     | 1    | Gasket        |
| 150  | 98-9466     | 1    | Plug          |
| 160  | 98-9451     | 1    | Gasket        |



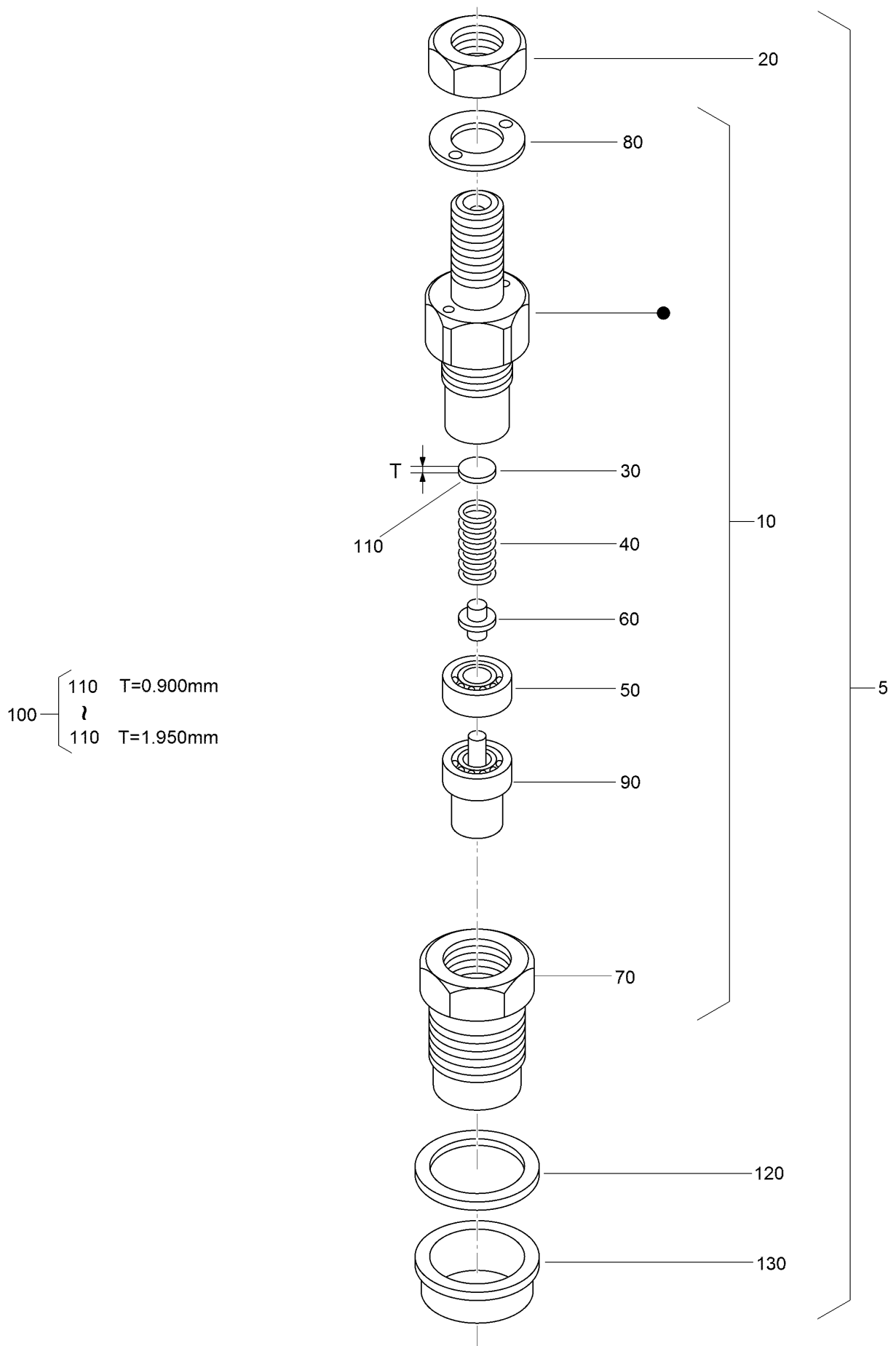


## Nozzle Holder and Glow Plug Assembly

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

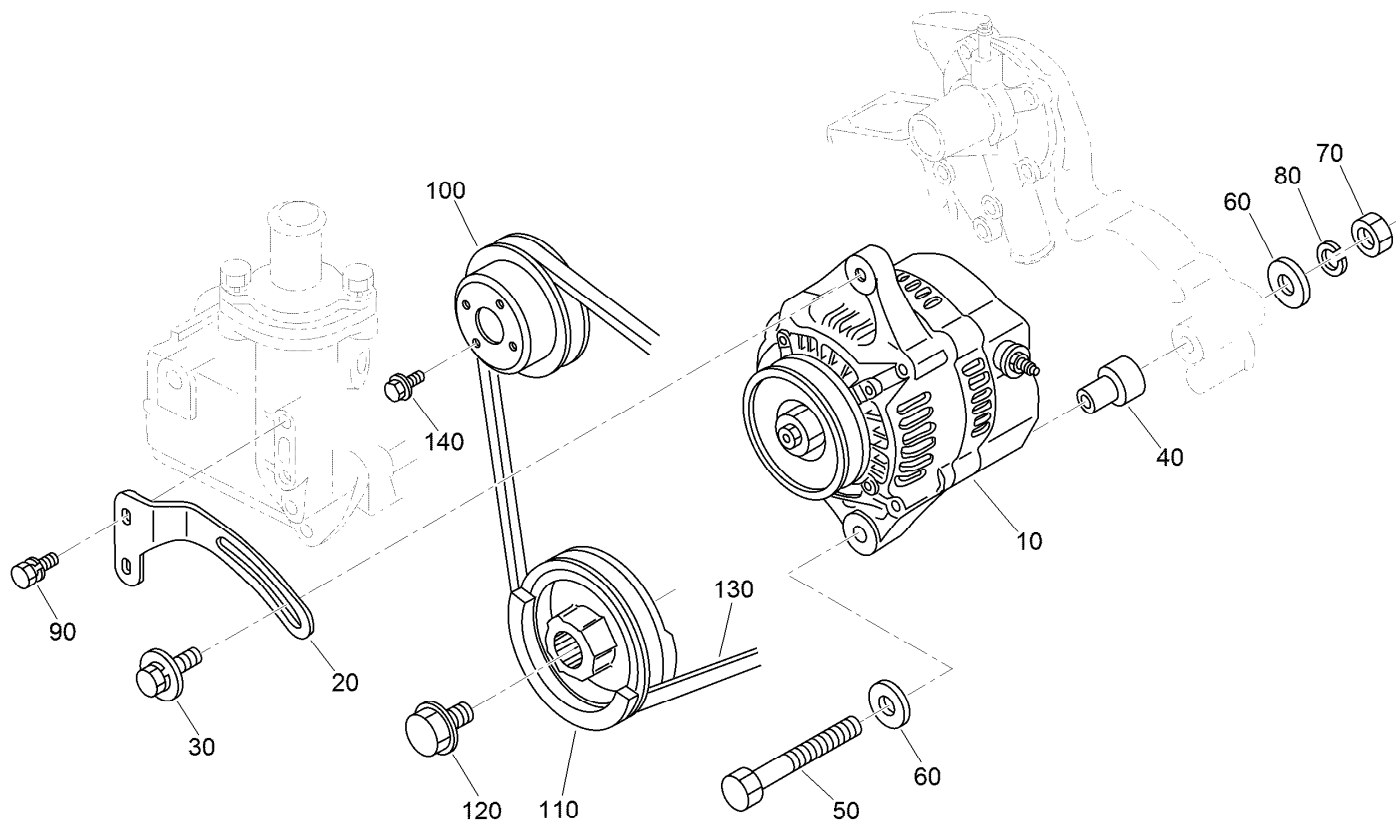
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 150  | 130-1411    | 3    | Plug-Glow       |
| 160  | 110-3784    | 1    | Cord-Plug, Glow |
| 170  | 99-8377     | 3    | Nut-Flange      |
| 190  | 110-3785    | 1    | Fuel Tube ASM   |
| 200  | 110-3786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

# Nozzle Holder Assembly



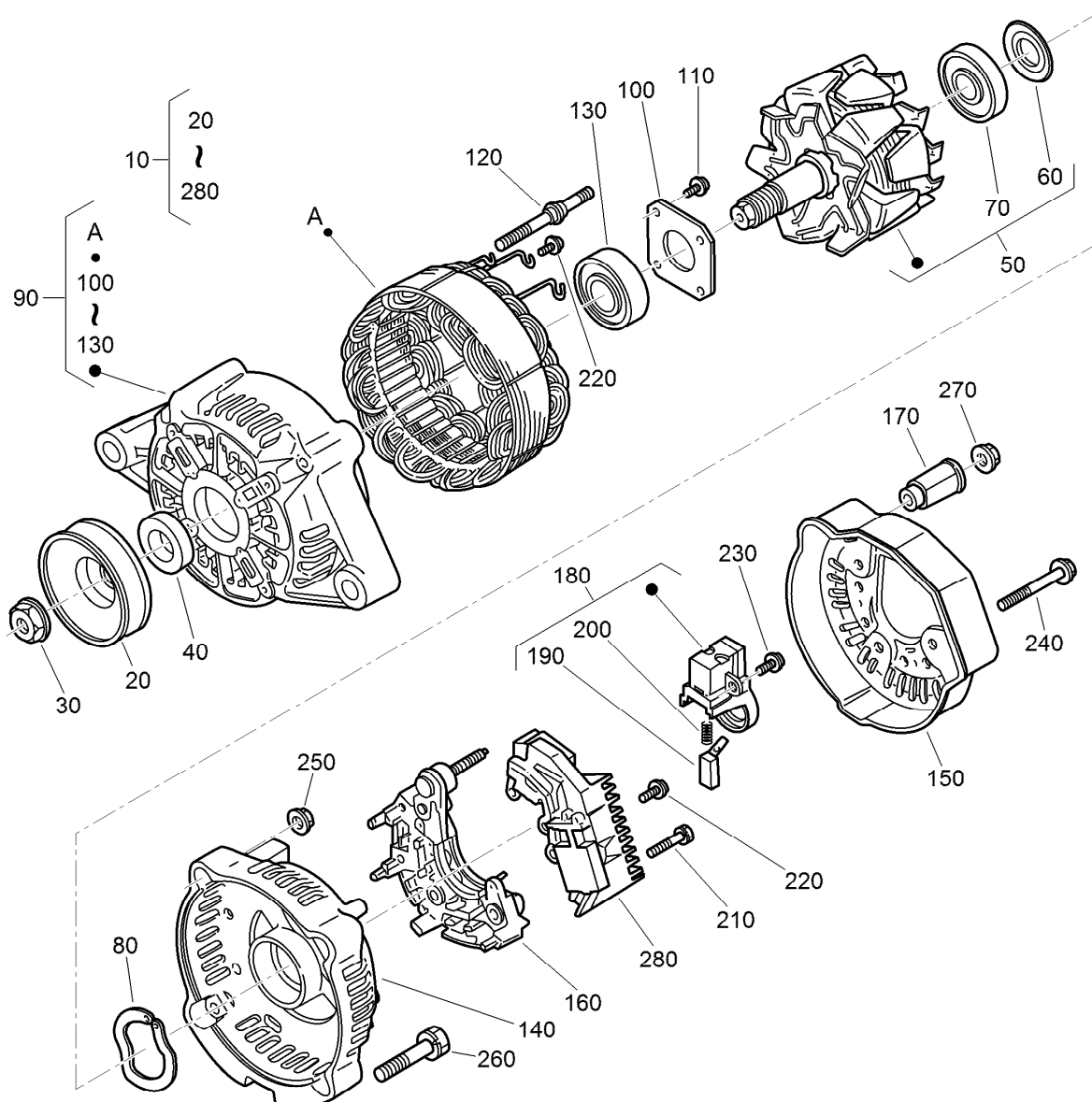
## Nozzle Holder Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|----------------------------|
| 5           | 130-1305           | 3           | Nozzle Holder Kit          | 110         | 98-7860            | 3           | Washer-Adjusting (1.400MM) |
| 10          | 130-1303           | 3           | Nozzle Holder ASM          | 110         | 98-7861            | 3           | Washer-Adjusting (1.425MM) |
| 20          | 121-2411           | 3           | Nut                        | 110         | 98-7862            | 3           | Washer-Adjusting (1.450MM) |
| 30          | 99-8302            | 3           | Washer-Adjusting           | 110         | 98-7863            | 3           | Washer-Adjusting (1.475MM) |
| 40          | 99-8303            | 3           | Spring-Nozzle              | 110         | 98-7864            | 3           | Washer-Adjusting (1.500MM) |
| 50          | 99-8304            | 3           | Spacer-Distance            | 110         | 98-7865            | 3           | Washer-Adjusting (1.525MM) |
| 60          | 99-8305            | 3           | Rod-Push                   | 110         | 98-7866            | 3           | Washer-Adjusting (1.550MM) |
| 70          | 130-1304           | 3           | Nut-Nozzle                 | 110         | 98-7867            | 3           | Washer-Adjusting (1.575MM) |
| 80          | 99-8307            | 3           | Washer-Plain               | 110         | 98-7868            | 3           | Washer-Adjusting (1.600MM) |
| 90          | 130-1497           | 3           | Nozzle-Piece               | 110         | 98-7869            | 3           | Washer-Adjusting (1.625MM) |
| 100         | 98-9448            | 3           | Adjusting Washer ASM       | 110         | 98-7870            | 3           | Washer-Adjusting (1.650MM) |
| 110         | 98-7642            | 3           | Washer-Adjusting (0.900Mm) | 110         | 98-7871            | 3           | Washer-Adjusting (1.675MM) |
| 110         | 98-7841            | 3           | Washer-Adjusting (0.925Mm) | 110         | 98-7872            | 3           | Washer-Adjusting (1.700MM) |
| 110         | 98-7842            | 3           | Washer-Adjusting (0.950Mm) | 110         | 98-7873            | 3           | Washer-Adjusting (1.725MM) |
| 110         | 98-7843            | 3           | Washer-Adjusting (0.975Mm) | 110         | 98-7874            | 3           | Washer-Adjusting (1.750MM) |
| 110         | 98-7844            | 3           | Washer-Adjusting (1.000Mm) | 110         | 98-7875            | 3           | Washer-Adjusting (1.775MM) |
| 110         | 98-7845            | 3           | Washer-Adjusting (1.025Mm) | 110         | 98-7876            | 33          | Washer-Adjusting (1.800MM) |
| 110         | 98-7846            | 3           | Washer-Adjusting (1.050Mm) | 110         | 98-7877            | 3           | Washer-Adjusting (1.825MM) |
| 110         | 98-7847            | 3           | Washer-Adjusting (1.075MM) | 110         | 98-7878            | 3           | Washer-Adjusting (1.850MM) |
| 110         | 98-7848            | 3           | Washer-Adjusting (1.100MM) | 110         | 98-7879            | 3           | Washer-Adjusting (1.875MM) |
| 110         | 98-7849            | 3           | Washer-Adjusting (1.125MM) | 110         | 98-7880            | 3           | Washer-Adjusting (1.900MM) |
| 110         | 98-7850            | 3           | Washer-Adjusting (1.150MM) | 110         | 98-7881            | 3           | Washer-Adjusting (1.925MM) |
| 110         | 98-7851            | 3           | Washer-Adjusting (1.175MM) | 110         | 98-7882            | 3           | Washer-Adjusting (1.950MM) |
| 110         | 98-7852            | 3           | Washer-Adjusting (1.200MM) | 120         | 98-7676            | 3           | Gasket                     |
| 110         | 98-7853            | 3           | Washer-Adjusting (1.225MM) | 130         | 98-7677            | 3           | Seal-Heat                  |
| 110         | 98-7854            | 3           | Washer-Adjusting (1.250MM) |             |                    |             |                            |
| 110         | 98-7855            | 3           | Washer-Adjusting (1.275MM) |             |                    |             |                            |
| 110         | 98-7856            | 3           | Washer-Adjusting 1.300MM)  |             |                    |             |                            |
| 110         | 98-7857            | 3           | Washer-Adjusting (1.325MM) |             |                    |             |                            |
| 110         | 98-7858            | 3           | Washer-Adjusting (1.350MM) |             |                    |             |                            |
| 110         | 98-7859            | 3           | Washer-Adjusting (1.375MM) |             |                    |             |                            |



## Alternator and Pulley Assembly

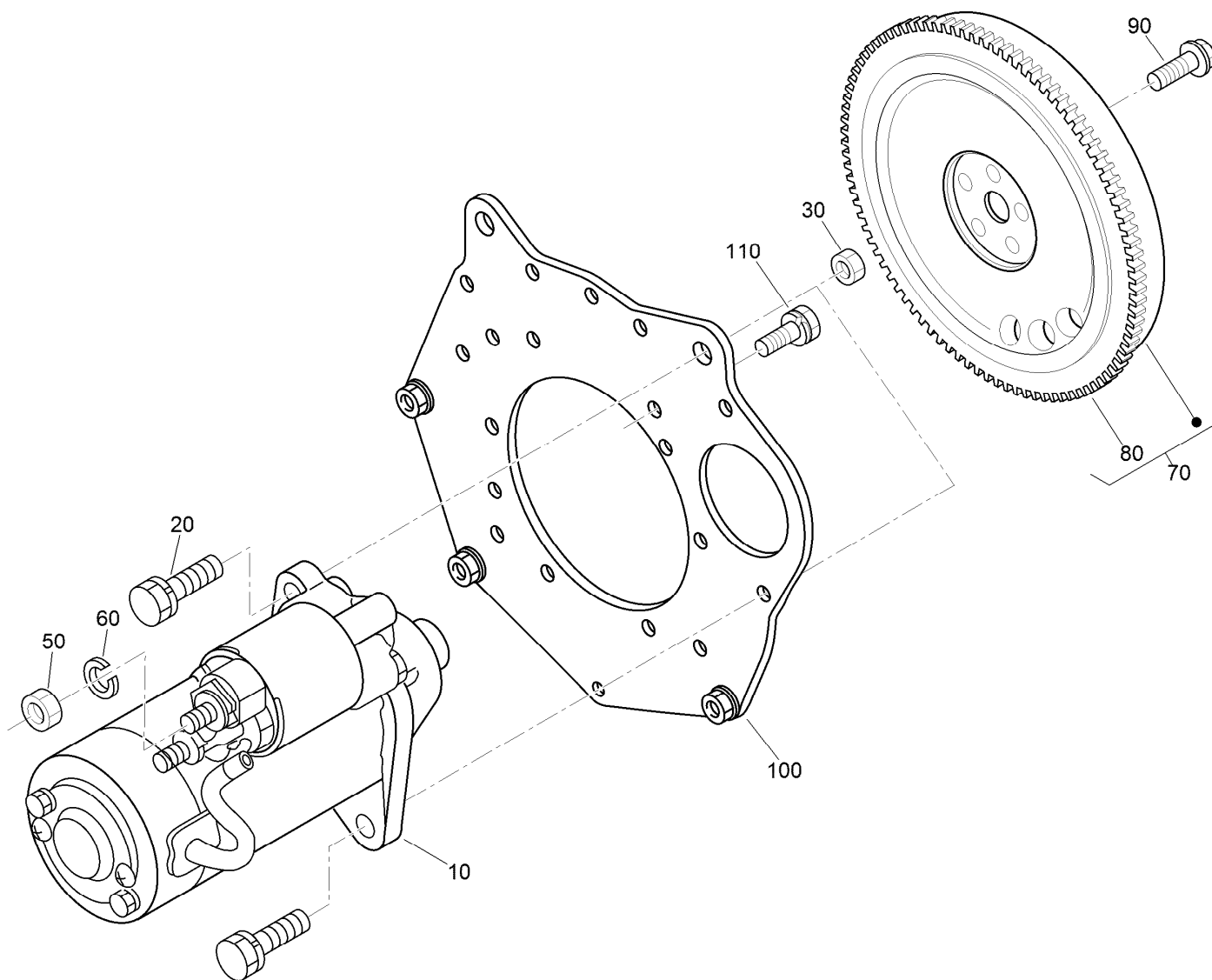
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 131-6557    | 1    | Alternator ASM    |
| 20   | 121-2412    | 1    | Stay-Alternator   |
| 30   | 121-2413    | 1    | Bolt              |
| 40   | 110-3794    | 1    | Collar            |
| 50   | 121-2418    | 1    | Bolt-Hex          |
| 60   | 120-5832    | 2    | Washer-Plain      |
| 70   | 98-7534     | 1    | Nut               |
| 80   | 105-2893    | 1    | Washer-Spring     |
| 90   | 98-7692     | 2    | Bolt              |
| 100  | 100-1921    | 1    | Pulley-Fan        |
| 110  | 112-2510    | 1    | Pulley-Drive, Fan |
| 120  | 100-1978    | 1    | Bolt              |
| 130  | 119-4486    | 1    | Belt-V, Fan       |
| 140  | 99-8363     | 4    | Bolt-Flange       |



## Alternator Assembly No. 131-6557

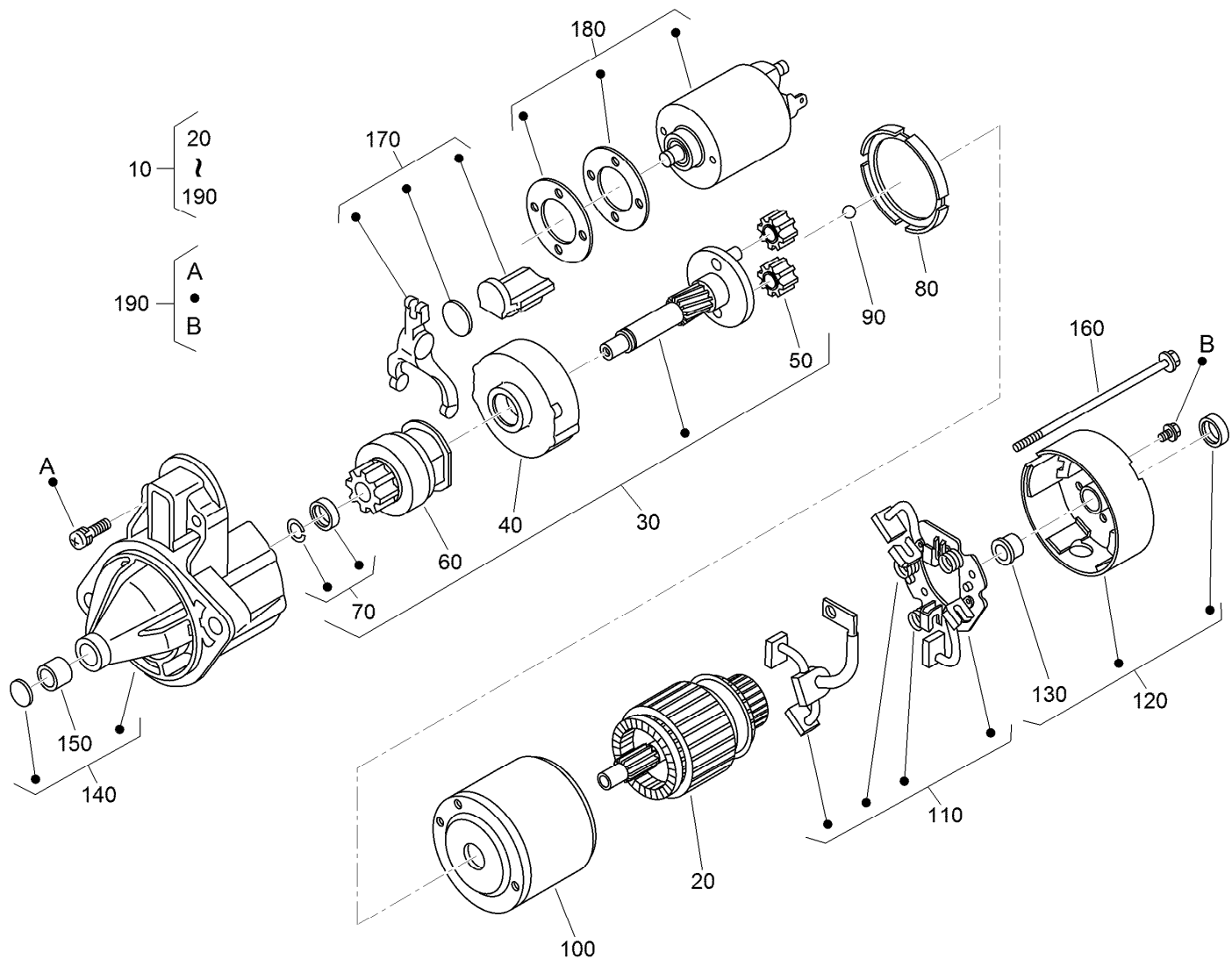
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 131-6557    | 1    | Alternator ASM      |
| 20   | 98-9453     | 1    | Pulley-Dynamo       |
| 30   | 98-7708     | 1    | Nut                 |
| 40   | 98-7709     | 1    | Collar              |
| 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  | 133-2811    | 1    | Bearing             |
| 140  | 107-9087    | 1    | Frame-End           |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 150  | 107-0140    | 1    | Cover-End          |
| 160  | 127-1612    | 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 and Flywheel Assembly

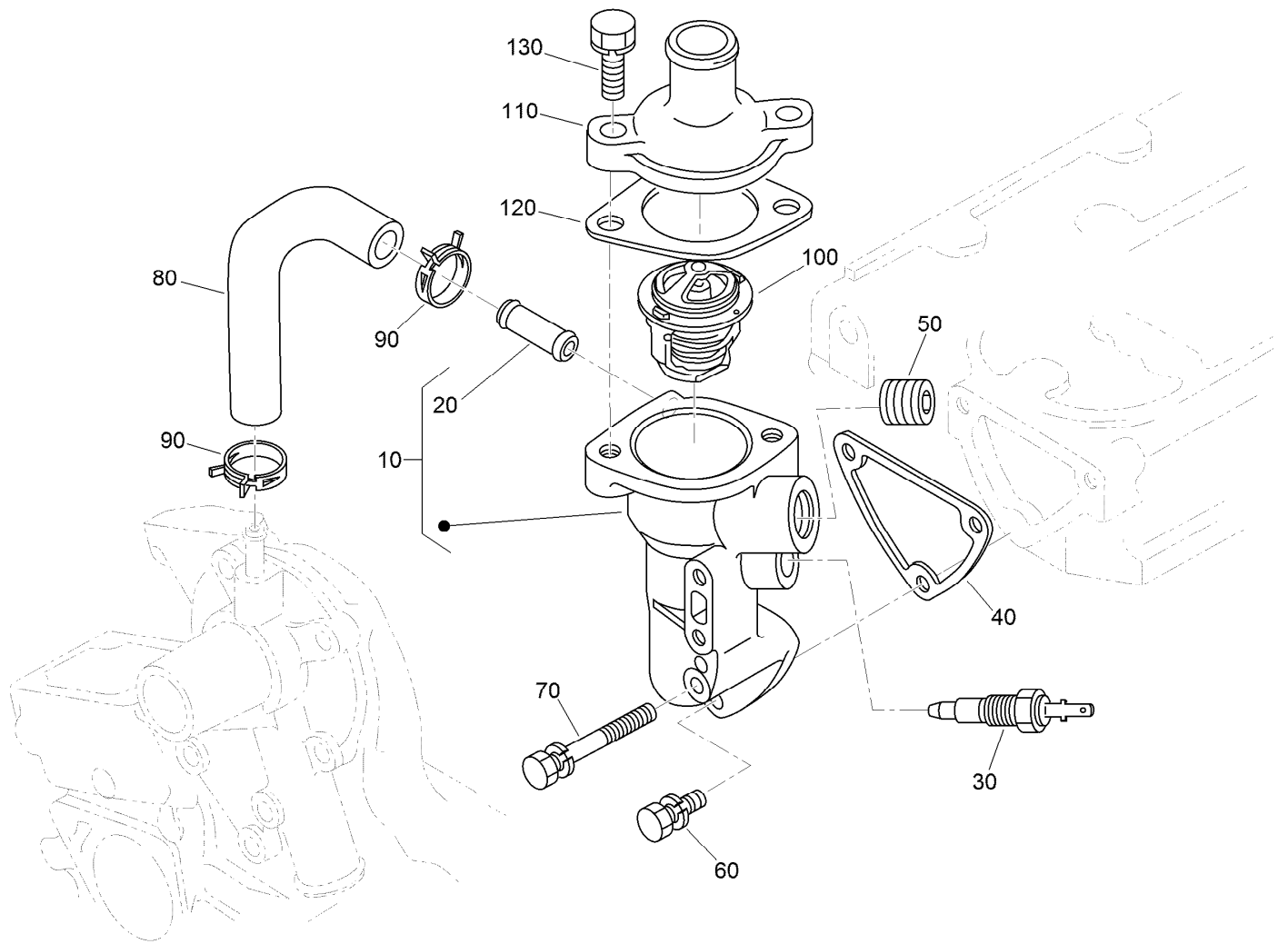
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 110-3800    | 1    | Starter ASM     |
| 20   | 98-7697     | 2    | Bolt            |
| 30   | 98-7534     | 2    | Nut             |
| 50   | 98-7534     | 1    | Nut             |
| 60   | 105-2893    | 1    | Washer-Spring   |
| 70   | 130-1369    | 1    | Flywheel ASM    |
| 80   | 127-1604    | 1    | Gear-Ring       |
| 90   | 100-1930    | 5    | Bolt-Flywheel   |
| 100  | 120-3130    | 1    | Plate-End, Rear |
| 110  | 110-3754    | 10   | Bolt            |



## Starter Component Assembly

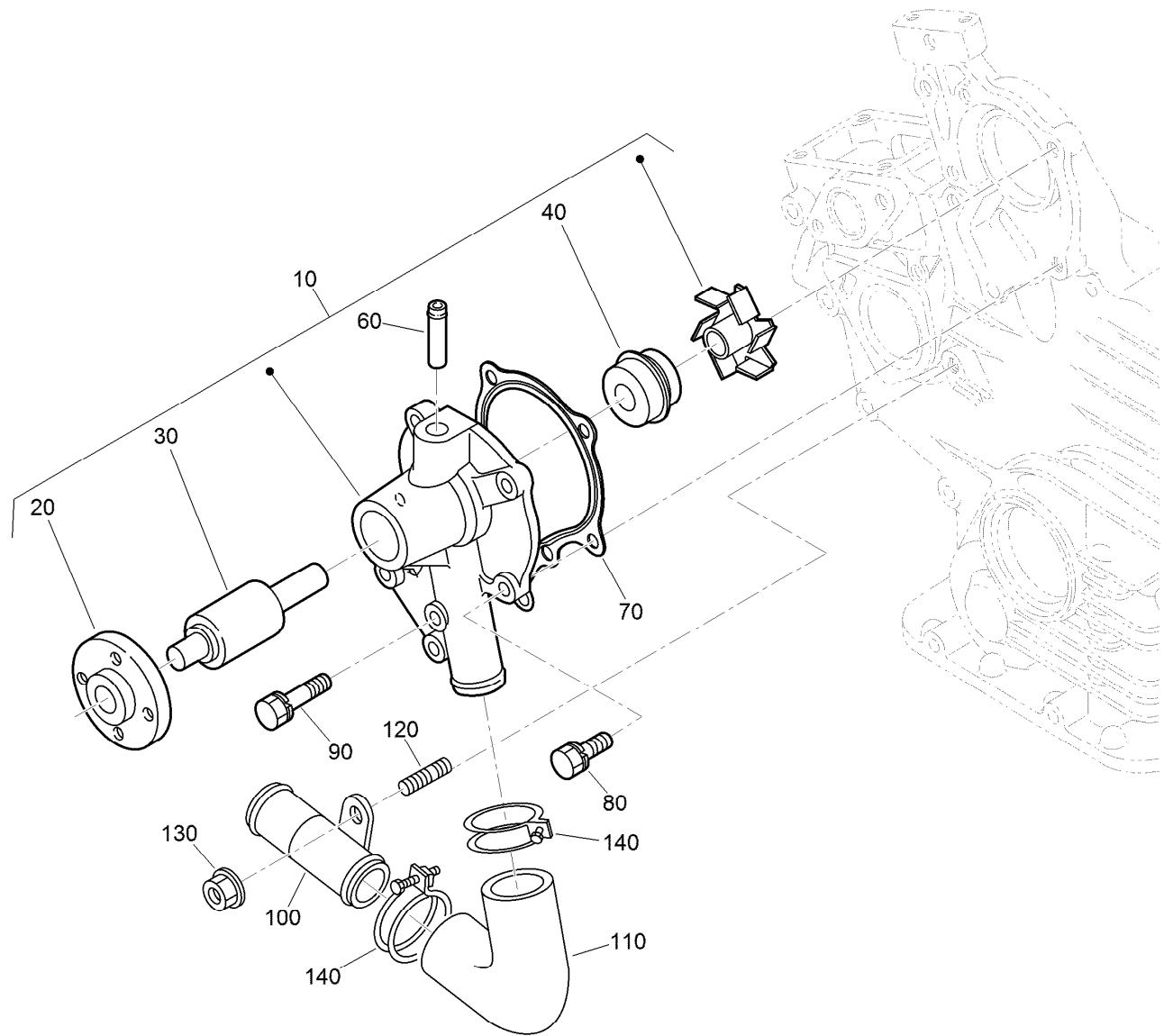
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 110-3800    | 1    | Starter ASM          |
| 20   | 110-3801    | 1    | Armature             |
| 30   | 110-3802    | 1    | Shaft ASM            |
| 40   | 120-3142    | 1    | Gear-Internal        |
| 50   | 110-3804    | 3    | Gear-Planetary       |
| 60   | 110-3805    | 1    | Clutch-Running, Over |
| 70   | 110-3806    | 1    | Stopper              |
| 80   | 120-3143    | 1    | Gasket               |
| 90   | 110-3808    | 1    | Ball                 |
| 100  | 130-1295    | 1    | Yoke                 |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 110  | 110-3810    | 1    | Brush Holder ASM    |
| 120  | 110-3811    | 1    | Rear Bracket ASM    |
| 130  | 110-3812    | 1    | Bushing             |
| 140  | 110-3813    | 1    | Front Bracket ASM   |
| 150  | 110-3814    | 1    | Bushing             |
| 160  | 110-3815    | 2    | Bolt                |
| 170  | 110-3816    | 1    | Fork Lever ASM      |
| 180  | 110-3817    | 1    | Magnetic Switch ASM |
| 190  | 110-3818    | 2    | Screws (Set Of 4)   |



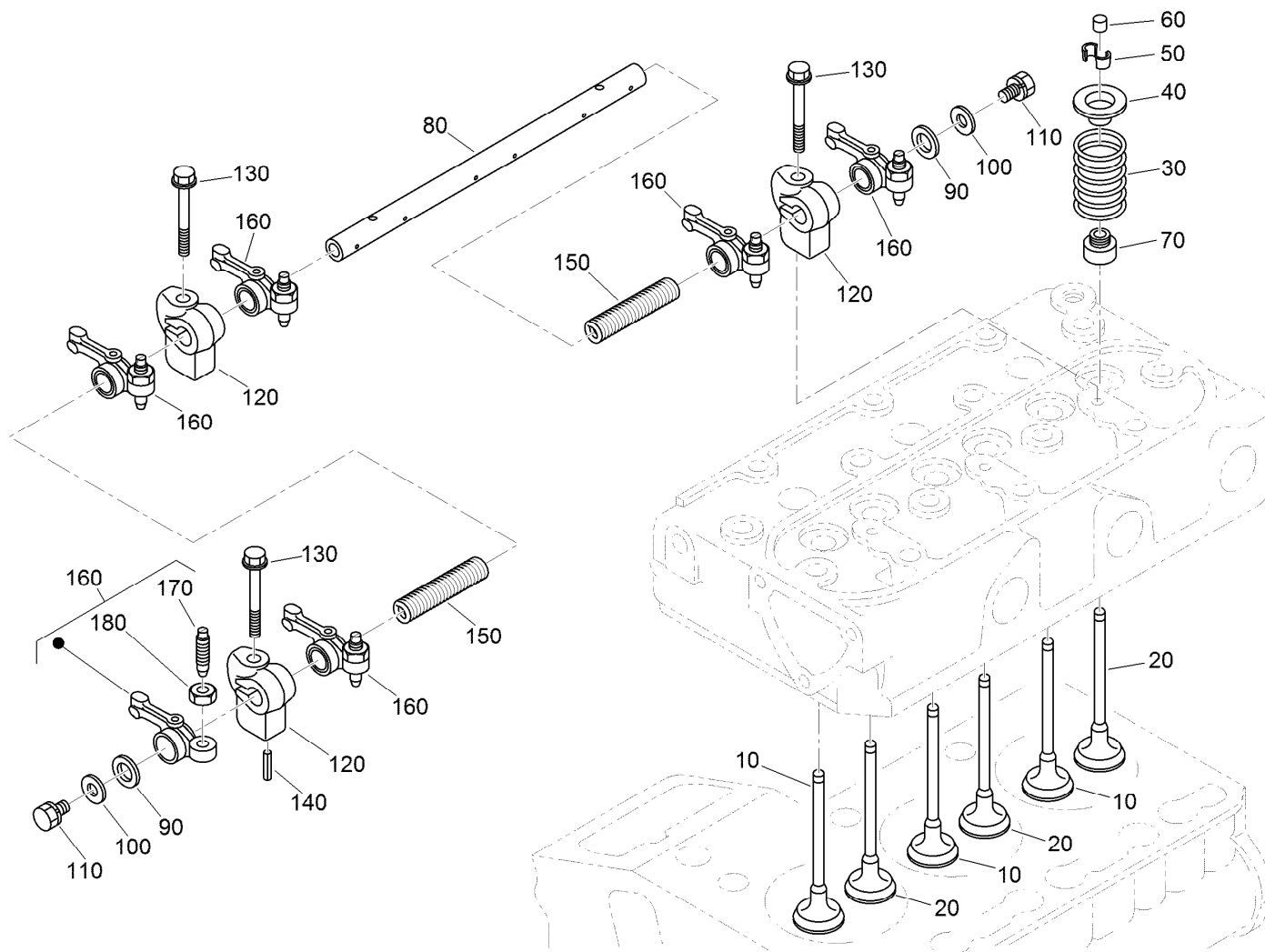
## Water Flange and Thermostat Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 121-2414    | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 30   | 100-1983    | 1    | Thermo-Switch        |
| 40   | 110-3820    | 1    | Gasket-Flange, Water |
| 50   | 105-2874    | 1    | Plug                 |
| 60   | 98-7692     | 2    | Bolt                 |
| 70   | 125-9063    | 1    | Bolt-Sems            |
| 80   | 100-2017    | 1    | Pipe-Return, Water   |
| 90   | 125-9078    | 2    | Clamp-Hose           |
| 100  | 98-7778     | 1    | Thermostat ASM       |
| 110  | 121-2415    | 1    | Cover-Thermostat     |
| 120  | 105-3748    | 1    | Gasket-Thermostat    |
| 130  | 98-7438     | 2    | Bolt                 |



## Water Pump and Water Pipe Assembly

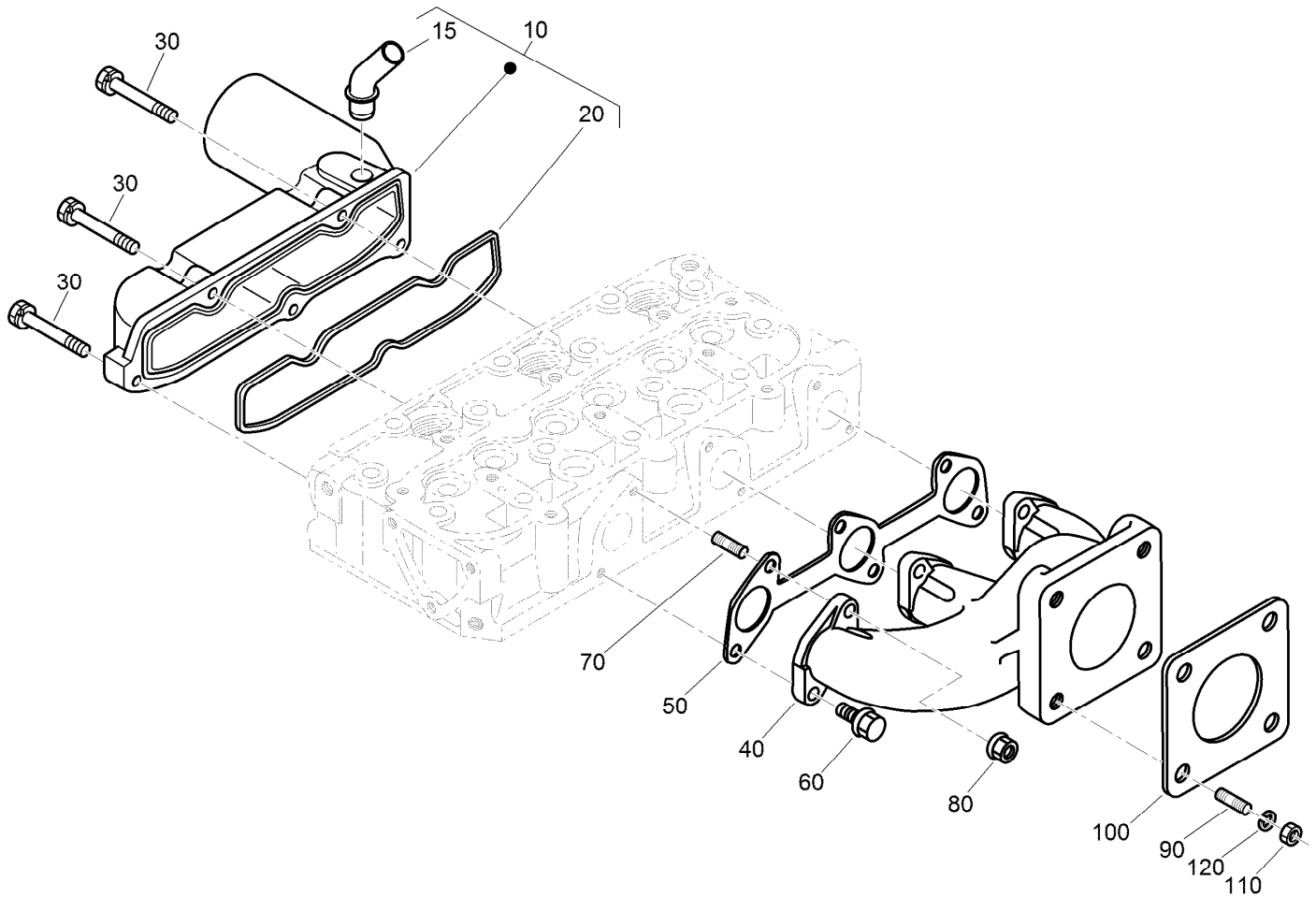
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 127-1607    | 1    | Water Pump ASM      |
| 20   | 125-9081    | 1    | Flange-Pump, Water  |
| 30   | 100-1934    | 1    | Bearing-Ball        |
| 40   | 99-3518     | 1    | Water Pump Seal ASM |
| 60   | 100-1932    | 1    | Pipe-Return, Water  |
| 70   | 117-8846    | 1    | Gasket-Pump, Water  |
| 80   | 100-1750    | 4    | Bolt                |
| 90   | 100-1764    | 1    | Bolt                |
| 100  | 112-2835    | 1    | Pipe-Water          |
| 110  | 112-2836    | 1    | Hose-Water          |
| 120  | 100-1924    | 1    | Stud                |
| 130  | 100-2203    | 1    | Nut-Flange          |
| 140  | 110-3828    | 2    | Band-Pipe           |



## Valve and Rocker Arm Assembly

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

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 100  | 110-3832    | 2    | Washer-Plain        |
| 110  | 100-1762    | 2    | Bolt                |
| 120  | 110-3833    | 3    | Bracket-Arm, Rocker |
| 130  | 110-3834    | 3    | Bolt-Flange         |
| 140  | 98-7602     | 1    | Pin-Spring          |
| 150  | 112-8342    | 2    | Spring              |
| 160  | 100-1884    | 6    | Rocker Arm ASM      |
| 170  | 100-1885    | 6    | Screw-Adjusting     |
| 180  | 100-1827    | 6    | Nut                 |



## Inlet and Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 120-3141    | 1    | Intake Manifold ASM      |
| 15   | 121-2417    | 1    | Pipe-Breather            |
| 20   | 110-3838    | 1    | Gasket-Manifold, Intake  |
| 30   | 98-9352     | 5    | Bolt                     |
| 40   | 110-3839    | 1    | Manifold-Exhaust         |
| 50   | 110-3840    | 1    | Gasket-Manifold, Exhaust |
| 60   | 130-1154    | 3    | Screw-Hex HD             |
| 70   | 130-1156    | 3    | Bolt-Stud                |
| 80   | 100-1778    | 3    | Nut                      |
| 90   | 98-7769     | 4    | Stud                     |
| 100  | 99-8343     | 1    | Gasket-Muffler           |
| 110  | 98-7534     | 4    | Nut                      |
| 120  | 105-2893    | 4    | Washer-Spring            |

# Attachments and Accessories

## For 04384 Greensmaster 3250-D 2-Wheel Drive Traction Unit

| Product Name                                                                             | Model/Part |
|------------------------------------------------------------------------------------------|------------|
| Turf Evaluator .....                                                                     | 04399      |
| CE Guard Kit.....                                                                        | 04441      |
| Three-Wheel Drive Kit without ROPS .....                                                 | 04477      |
| Dethatching Unit .....                                                                   | 04479      |
| Leak Detector Kit .....                                                                  | 04497      |
| Light Kit.....                                                                           | 04554      |
| 8-Blade DPA Reel Mower .....                                                             | 04652      |
| 11-Blade DPA Reel Mower .....                                                            | 04654      |
| 14-Blade DPA Reel Mower .....                                                            | 04656      |
| Hose Adapter Kit.....                                                                    | 100-6430   |
| Weight Kit, Greensmaster and Sand Pro/Infield Pro Traction Unit.....                     | 100-6442   |
| Oil Cooler Kit.....                                                                      | 104-7701   |
| Ground-Following Suspension Kit .....                                                    | 104-9400   |
| Radiator Screen Kit.....                                                                 | 105-9766   |
| Filter-Air .....                                                                         | 108-3811   |
| Seperator Filter ASM .....                                                               | 110-9044   |
| Paint-Black Bottle .....                                                                 | 112-0176   |
| Paint-Red Bottle .....                                                                   | 112-0178   |
| Pull Link Kit for DPA Reel Mower Groomer .....                                           | 112-9248   |
| Wireless Hourmeter .....                                                                 | 115-4754   |
| Filter-Oil, Engine .....                                                                 | 115-8189   |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail) .....                   | 119-2157   |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum).....                   | 119-2158   |
| Spark Arrester Kit .....                                                                 | 120-1951   |
| RH Arm Rest Kit .....                                                                    | 121-3658   |
| Premium Engine Oil 10w30 (55 Gallon Drum) .....                                          | 121-6392   |
| Premium Engine Oil 10w30 (5 Gallon Pail) .....                                           | 121-6393   |
| Toro Reel Paper (10 Pack).....                                                           | 125-5610   |
| Hi-Back Seat Cover .....                                                                 | 133-1308   |
| PX Hydraulic Fluid (5 Gal) .....                                                         | 133-8086   |
| PX Hydraulic Fluid (55 Gal).....                                                         | 133-8087   |
| Bag Kit.....                                                                             | 137-8130   |
| Bimini Shade Kit .....                                                                   | 138-8579   |
| MVP Kit-HYD Hose.....                                                                    | 140-5235   |
| Shim-TORO Reel (.002in) .....                                                            | 140-5531   |
| Tire - 20 X 10.00-8, 4ply.....                                                           | 144-3665   |
| Toro Red 12oz Aerosol Can .....                                                          | 361-10     |
| Semi-Gloss Black Spray Paint .....                                                       | 361-9      |
| MVP Kit 1000 Hour .....                                                                  | 44968      |
| Height-of-Cut Bar.....                                                                   | 94-9010    |
| Weight Kit, Greensmaster 3100, 3150 or 3250-D Traction Unit with Three-Wheel Drive ..... | 99-1645    |

**Notes:**

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**Count on it.**