



Form No. 3378-879 Rev B

**Count on it.**

# Parts Catalog

## CT2140 Compact Triple 4-Wheel Drive Turf Mower

Model No. 30656—Serial No. 313000001 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

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

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HP:** high pressure

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** low pressure

**LPG:** Liquefied Petroleum Gas

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

**STD:** standard

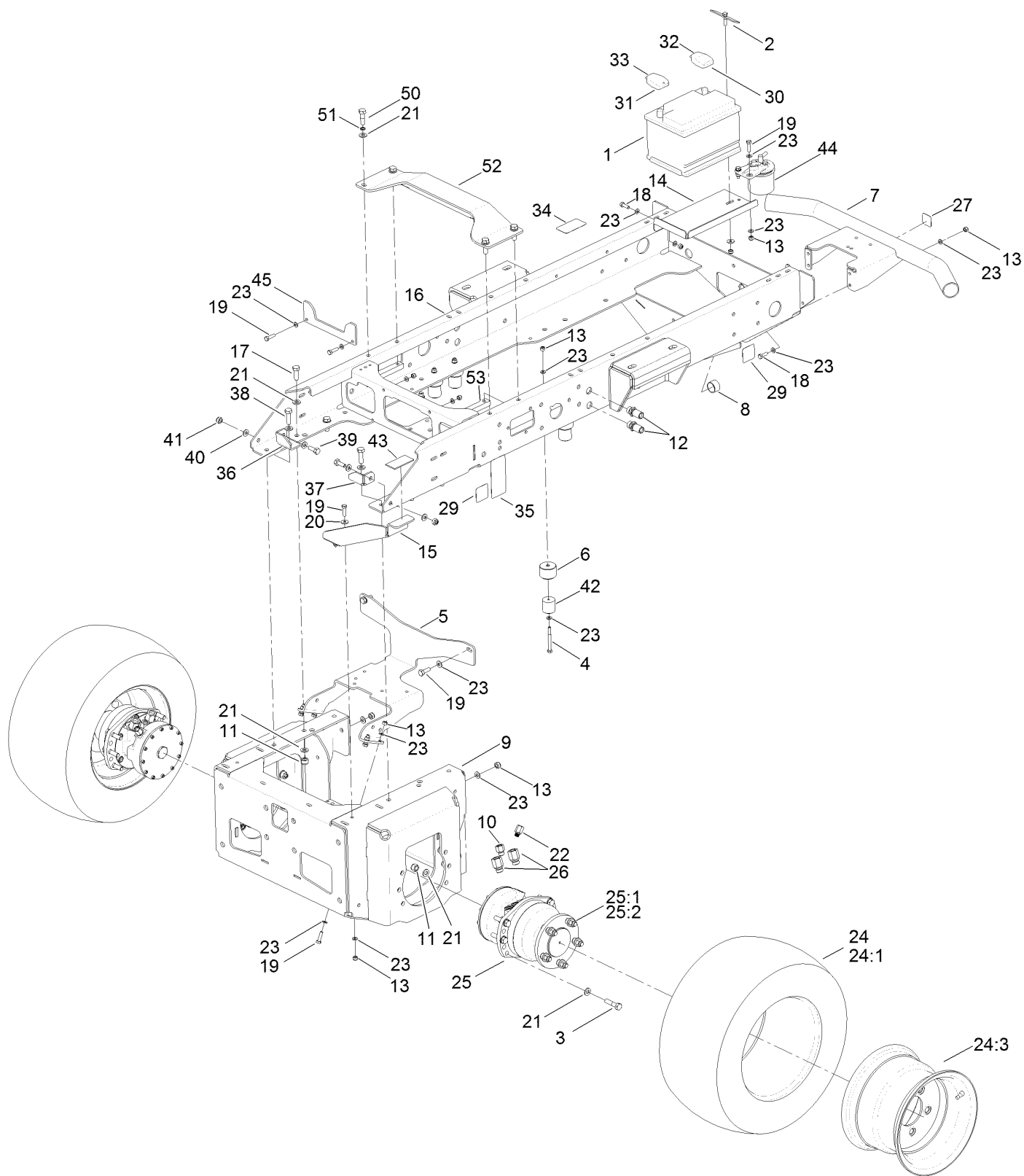
**TAP:** self tapping

**TTH:** torx truss head

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# Main Frame, Chassis, Front Wheel and Battery Assembly

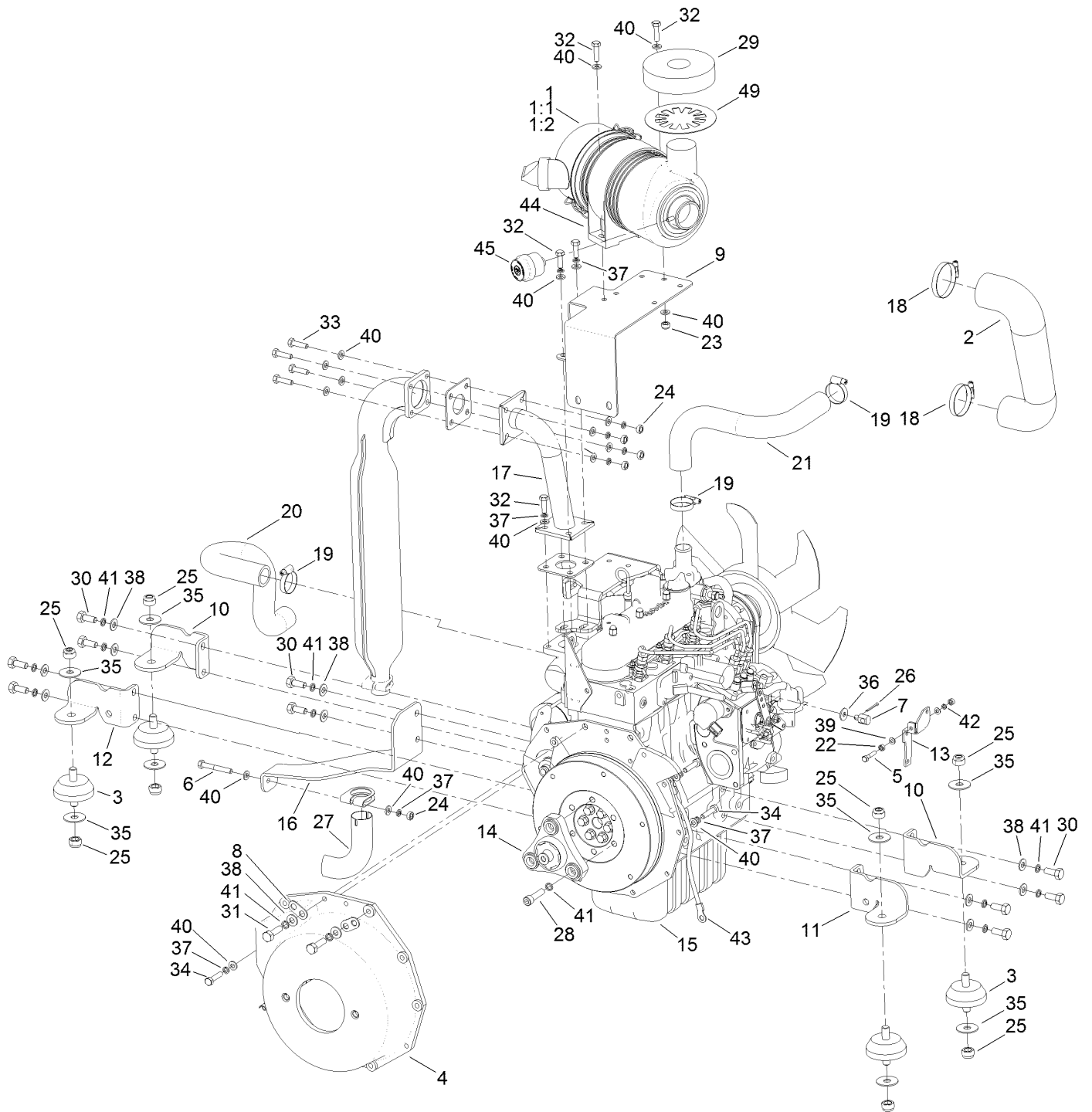


# Main Frame, Chassis, Front Wheel and Battery Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 70-09-015          | 1           | Battery                      | 24:3        | 111-6882           | 1           | Wheel Rim                  |
| 2           | 70-01-340          | 1           | Retainer-Battery             | 25          | 111-2557           | 2           | HYD Motor ASM              |
| 3           | 09552              | 12          | Screw-HH                     | 25:1        | 111-7059           | 5           | Stud-Wheel                 |
| 4           | ZBH1H080U          | 4           | Bolt                         | 25:2        | 74-07-016          | 5           | Nut                        |
| 5           | 111-2506-03        | 1           | Bracket-Manifold, Cutter     | 26          | 111-3529           | 4           | Adaptor                    |
| 6           | 111-5305           | 4           | Bump-Stop                    | 27          | 70-13-072          | 1           | Decal-Jacking Point        |
| 7           | 111-3110-03        | 1           | Bumper-Rear                  | 29          | 950832             | 4           | Decal-Tyre Pressures       |
| 8           | 65-07-051          | 2           | Bushing                      | 30          | 70-09-171          | 1           | Terminal-Positive          |
| 9           | 111-2110-03        | 1           | Chassis-Front                | 31          | 70-09-172          | 1           | Terminal-Negative          |
| 10          | 111-3509           | 2           | Adaptor                      | 32          | 111-3690           | 1           | Cable-Battery, Positive    |
| 11          | ZNN1L000U          | 18          | Nut-Nyloc                    | 33          | 70-09-170          | 1           | Cable-Battery, Negative    |
| 12          | 09-06-216          | 2           | Adaptor-Bulkhead             | 34          | 950889             | 1           | Decal-Warning, Hot Surface |
| 13          | 09441              | 21          | Nut-Hex, NI                  | 35          | 111-3901           | 1           | Decal-Transmission, Oil    |
| 14          | 111-2599-03        | 1           | Plate-Mount, Battery         | 36          | 111-5161-03        | 1           | Gusset-Chassis, RH         |
| 15          | 111-3217-03        | 1           | Support-Platform, Front (LH) | 37          | 111-5162-03        | 1           | Gusset-Chassis, LH         |
| 16          | 111-2100-03        | 1           | Chassis-Rear                 | 38          | ZDH1L040U          | 2           | Screw-HH                   |
| 17          | ZDH1L035U          | 4           | Screw-HH                     | 39          | 09392              | 2           | Screw-HH                   |
| 18          | 03162              | 6           | Screw-HH                     | 40          | ZWQ1J000U          | 4           | Washer-Plain               |
| 19          | 09369              | 10          | Screw-HH                     | 41          | ZNN1J000U          | 2           | Nut-Hex, NI                |
| 20          | 09267              | 3           | Washer                       | 42          | 61-07-003          | 4           | Buffer-Rubber              |
| 21          | HY09485            | 40          | Washer-Plain                 | 43          | HY910808           | 1           | Strip-Neoprene             |
| 22          | 111-3538           | 2           | Adaptor                      | 44          | 15291-43010        | 1           | Fuel-Filter                |
| 23          | ZWP1H000U          | 36          | Washer-Plain                 | 45          | 111-5538-03        | 1           | Location-Plate             |
| 24          | 111-6881           | 2           | Wheel ASM                    | 50          | 63-11-010          | 4           | Bolt-HH                    |
| 24:1        | 65-07-109          | 1           | Tire                         | 51          | 09599              | 4           | Washer-Spring              |
| 24:2        | 65-07-110          | 1           | Tube-Inner ●                 | 52          | 111-7065-03        | 1           | Brace                      |
|             |                    |             |                              | 53          | 111-7094           | 2           | Nut Strip-Chassis Brace    |

● Not illustrated

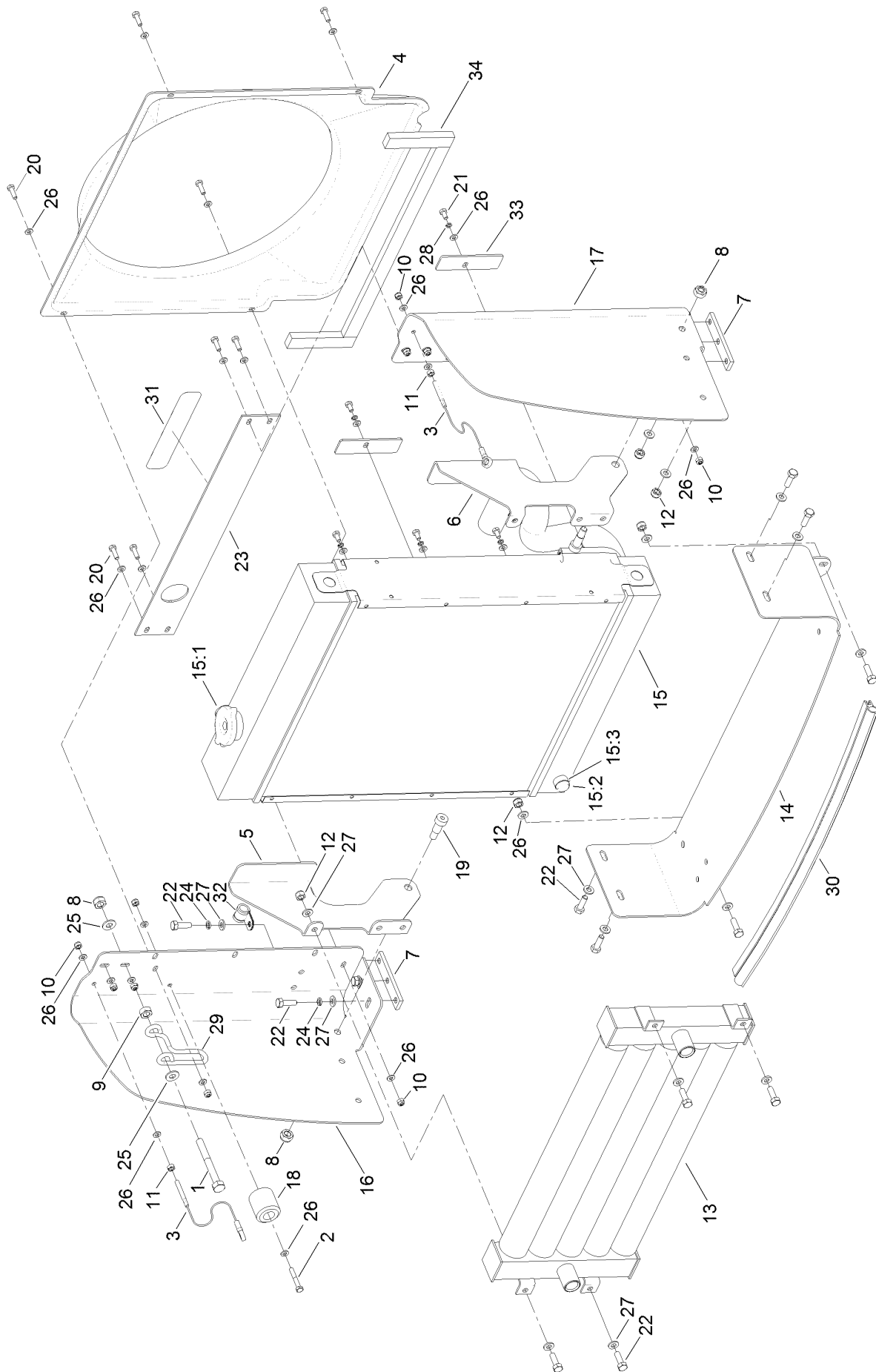
# Engine and Mounting Assembly



## Engine and Mounting Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|-------------------------------------|-------------|--------------------|-------------|------------------------------|
| 1           | 111-3805           | 1           | Air Filter ASM                      | 22          | 09437              | 2           | Nut                          |
| 1:1         | 111-3808           | 1           | Filter-Element, Main                | 23          | 09441              | 2           | Nut-Hex, NI                  |
| 1:2         | 111-3809           | 1           | Filter-Element, Safety              | 24          | ZNH1H000U          | 5           | Nut-Hex                      |
| 2           | 111-3554           | 1           | Intake-Hose, Air                    | 25          | 09231              | 8           | Nut-Hex, Nyloc               |
| 3           | 910816             | 4           | Isomount-Engine                     | 26          | 70-11-005          | 1           | Pin-Split                    |
| 4           | 922851             | 1           | Housing-Bell                        | 27          | 940213             | 1           | Tail Pipe-Exhaust            |
| 5           | 09547              | 1           | Screw-HH                            | 28          | 111-3806           | 3           | Screw-HSH                    |
| 6           | 09371              | 1           | Bolt                                | 29          | 111-3555           | 1           | Seal-Air Intake              |
| 7           | 111-3298           | 1           | Pivot-Throttle, Boss                | 30          | 50-11-005          | 10          | Screw-HH                     |
| 8           | 74-01-327          | 2           | Bracket-Loom Tie                    | 31          | 111-0597           | 2           | Screw-HH                     |
| 9           | 111-3036-03        | 1           | Bracket-Air Cleaner                 | 32          | 03162              | 10          | Screw-HH                     |
| 10          | 111-3043-03        | 2           | Bracket-Mount, Engine               | 33          | 09369              | 2           | Screw-HH                     |
| 11          | 111-3238-03        | 1           | Bracket-Engine Mount,<br>Front (LH) | 34          | ZDH1H035U          | 8           | Screw-HH                     |
| 12          | 111-3239-03        | 1           | Bracket-Engine Mount,<br>Front (RH) | 35          | 09283              | 8           | Washer                       |
| 13          | 111-3299-03        | 1           | Bracket-Throttle                    | 36          | 09267              | 1           | Washer                       |
| 14          | 111-2556           | 1           | Coupling                            | 37          | 03469              | 19          | Washer-Spring                |
| 15          | 111-2376           | 1           | Engine-Kubota, D1105 E2B            | 38          | ZWQ1J000U          | 12          | Washer-Plain                 |
| 16          | 111-3045-03        | 1           | Stay-Exhaust                        | 39          | ZWP1F000U          | 2           | Washer-Plain                 |
| 17          | 111-3038           | 1           | Flange-Exhaust                      | 40          | ZWP1H000U          | 24          | Washer-Plain                 |
| 18          | 65-07-042          | 2           | Clip-Hose                           | 41          | 09480              | 15          | Washer-Spring                |
| 19          | 924438             | 4           | Clamp-Hose                          | 42          | 09474              | 1           | Washer-Spring                |
| 20          | 111-2567           | 1           | Hose-Bottom, Radiator               | 43          | 70-09-023          | 1           | Cable-Earth                  |
| 21          | 910921             | 1           | Hose-Top                            | 44          | 111-3807           | 1           | Bracket-Mounting, Air Filter |
|             |                    |             |                                     | 45          | 953870             | 1           | Indicator-Filter Blockage    |
|             |                    |             |                                     | 49          | 111-6937-03        | 1           | Washer-Pad, Intake Air       |

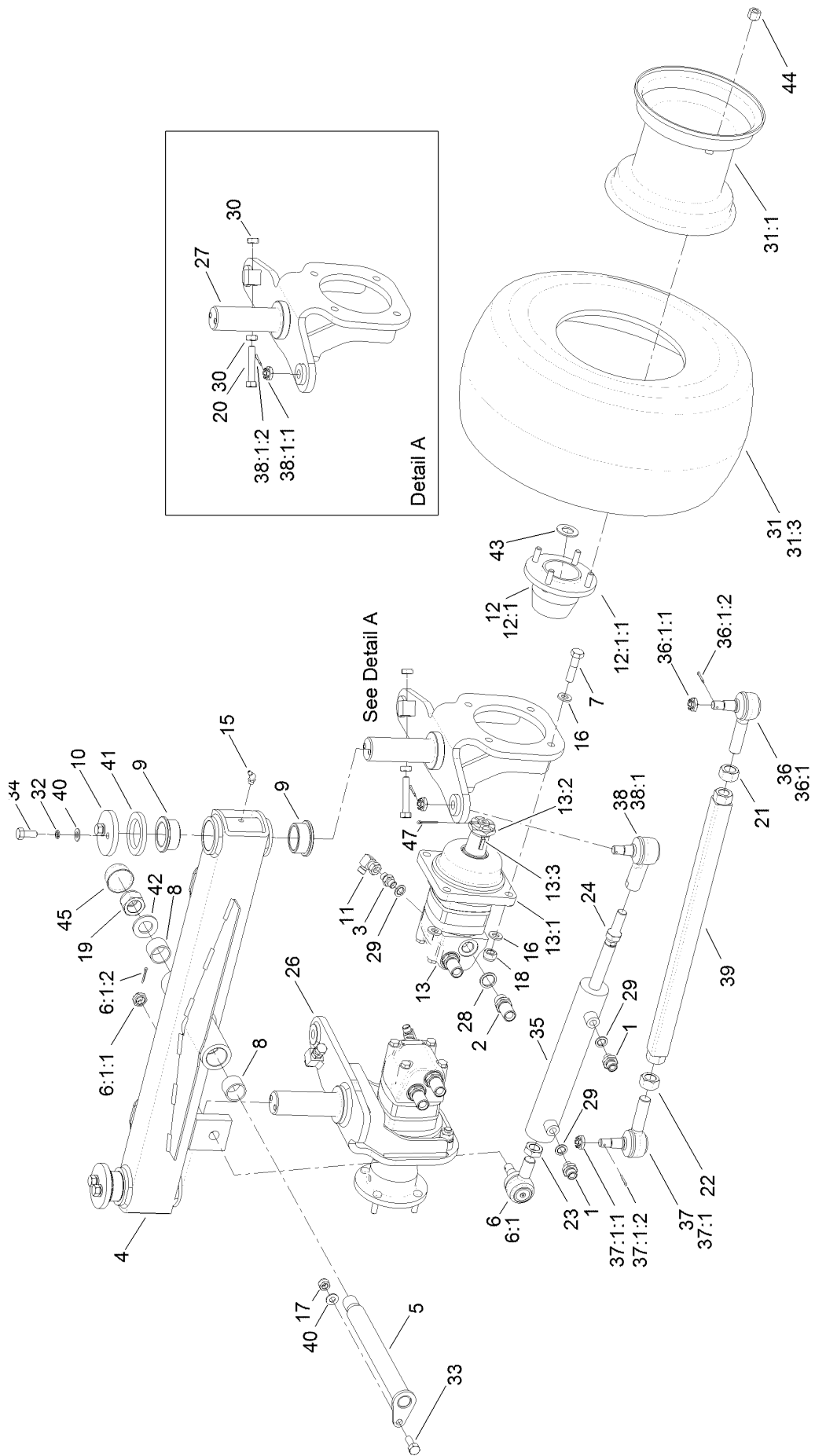
# Radiator and Shroud Assembly



## Radiator and Shroud Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|----------------------------|
| 1           | ZBH1J090U          | 1           | Screw-HH             | 17          | 111-3007-03        | 1           | Bracket-Radiator, RH       |
| 2           | ZBH1F040U          | 2           | Screw-HH             | 18          | 61-07-003          | 2           | Buffer-Rubber              |
| 3           | 924825             | 2           | Cable-Stay, Cover    | 19          | ZIS1J020S          | 2           | Bolt-Shoulder, Socket Head |
| 4           | 111-3301           | 1           | Cowl-Fan             | 20          | 09363              | 8           | Screw-HH                   |
| 5           | 111-3010-03        | 1           | Hinge-Oil Cooler, LH | 21          | 09361              | 8           | Screw-HH                   |
| 6           | 111-3011-03        | 1           | Hinge-Oil Cooler, RH | 22          | 03162              | 16          | Screw-HH                   |
| 7           | 111-3281           | 2           | Bar-Nut              | 23          | 111-3008-03        | 1           | Seal-Top                   |
| 8           | ZNN1J000U          | 3           | Nut-Hex, NI          | 24          | 03469              | 6           | Washer-Spring              |
| 9           | 09449              | 1           | Nut                  | 25          | ZWQ1J000U          | 2           | Washer-Plain               |
| 10          | 09438              | 12          | Nut-Nyloc            | 26          | 09472              | 32          | Washer-Plain               |
| 11          | 09437              | 2           | Nut                  | 27          | ZWP1H000U          | 24          | Washer-Plain               |
| 12          | 09441              | 10          | Nut-Hex, NI          | 28          | 09474              | 8           | Washer-Spring              |
| 13          | 70-06-171          | 1           | Cooler-Oil           | 29          | 104-5429           | 1           | Clamp-Form, Wire           |
| 14          | 111-3009-03        | 1           | Plate-Seal, Lower    | 30          | 994808             | 3           | Excluder-Draught           |
| 15          | 111-5193           | 1           | Radiator ASM         | 31          | 111-3902           | 1           | Decal-Engine, Fan/Radiator |
| 15:1        | 70-07-138          | 1           | Cap-Radiator         | 32          | 111-6082           | 1           | Clamp-Cable                |
| 15:2        | 30-06-200          | 1           | Plug-HYD             | 33          | 111-6922-03        | 2           | Bracket-Cowl, Seal         |
| 15:3        | 200134             | 1           | Washer               | 34          | 305119             | 3           | Seal-Sponge                |
| 16          | 111-3006-03        | 1           | Bracket-Radiator, LH |             |                    |             |                            |

## Rear Axle Assembly



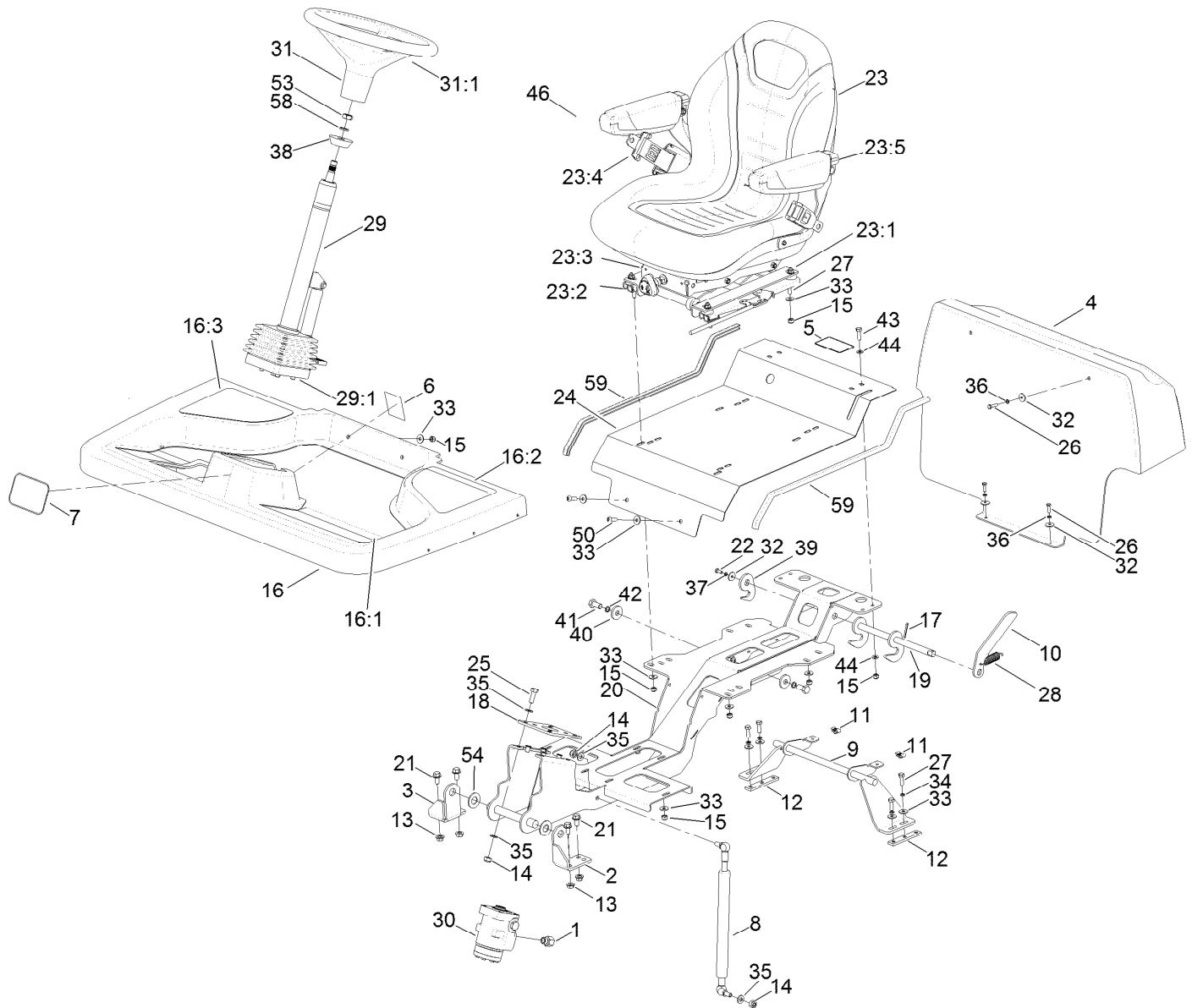
## Rear Axle Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|-----------------------------------|
| 1           | 50-06-009          | 2           | Adaptor-Bsp               | 28          | 10-06-032          | 4           | Seal-Dowty                        |
| 2           | 09-06-216          | 4           | Adaptor-Bulkhead          | 29          | 10-06-030          | 4           | Seal-Dowty                        |
| 3           | 10-06-085          | 2           | Adaptor                   | 30          | 09449              | 4           | Nut                               |
| 4           | 111-4995-03        | 1           | Axle-Rear                 | 31          | 111-6880           | 2           | Wheel ASM                         |
| 5           | 111-3265           | 1           | Pin-Axle                  | 31:1        | 111-6877           | 1           | Rim-Wheel                         |
| 6           | 111-6578-03        | 1           | Joint-Ball                | 31:2        | 72-07-068          | 1           | Tube-Inner ●                      |
| 6:1         |                    | 1           | Ball Joint ■              | 31:3        | 922804             | 1           | Tyre, 18X9.50-8 (6 Ply)           |
| 6:1:1       | 111-5116           | 1           | Nut-Castle                | 32          | 09480              | 4           | Washer-Spring                     |
| 6:1:2       | 09306              | 1           | Pin-Split                 | 33          | 09392              | 1           | Screw-HH                          |
| 7           | 09552              | 8           | Screw-HH                  | 34          | 09395              | 4           | Screw-HH                          |
| 8           | 70-05-031          | 2           | Bushing                   | 35          | 924724             | 1           | HYD Steering Cylinder ASM         |
| 9           | 111-3681           | 4           | Bushing-Flanged, Oilite   | 35:1        | 111-4872           | 1           | Seal Kit ●                        |
| 10          | 70-01-197          | 2           | Cap-Washer                | 36          | 111-6065-03        | 1           | Rod End-Track, RH                 |
| 11          | 31-06-004          | 2           | Elbow-Compact             | 36:1        |                    | 1           | Rod End-RH ■                      |
| 12          | 111-5176-03        | 2           | Wheel Hub ASM             | 36:1:1      | 111-5116           | 1           | Nut-Castle                        |
| 12:1        |                    | 1           | Hub-Wheel ■               | 36:1:2      | 09306              | 1           | Pin-Split                         |
| 12:1:1      | 65-07-019          | 4           | Stud-Wheel ●              | 37          | 111-6066-03        | 1           | Rod End-Track, LH                 |
| 13          | 111-2260           | 2           | HYD Motor ASM             | 37:1        |                    | 1           | Rod End-LH ■                      |
| 13:1        | 111-3421           | 1           | Seal Kit ●                | 37:1:1      | 111-5116           | 1           | Nut-Castle                        |
| 13:2        | 70-06-081          | 1           | Castle-Nut                | 37:1:2      | 09306              | 1           | Pin-Split                         |
| 13:3        | 70-06-089          | 1           | Key                       | 38          | 111-5087-03        | 1           | Joint-Ball, Steering Cylinder Rod |
| 15          | 63-07-027          | 3           | Zerk-Grease, Bsp (90 DEG) | 38:1        |                    | 1           | Joint-Ball ■                      |
| 16          | HY09485            | 16          | Washer-Plain              | 38:1:1      | 111-5116           | 1           | Nut-Castle                        |
| 17          | ZNN1J000U          | 1           | Nut-Hex, NI               | 38:1:2      | 09306              | 1           | Pin-Split                         |
| 18          | 09650              | 8           | Nut-Hex, Nyloc            | 39          | 111-2560-03        | 1           | Rod-Track                         |
| 19          | ZNN1X000U          | 1           | Nut-Hex, Nyloc            | 40          | ZWQ1J000U          | 5           | Washer-Plain                      |
| 20          | ZDH1J060U          | 2           | Setscrew-HH               | 41          | 70-07-149          | 2           | Washer-Felt                       |
| 21          | 70-11-002          | 1           | Nut                       | 42          | 09555              | 1           | Washer                            |
| 22          | 70-11-001          | 1           | Nut                       | 43          | ZWP1T000U          | 2           | Washer-Plain                      |
| 23          | 09828              | 1           | Nut                       | 44          | 65-07-009          | 8           | Nut-Wheel, Dome                   |
| 24          | 09827              | 1           | Nut                       | 45          | 10-11-100          | 1           | Cap-Nut                           |
| 26          | 111-4982-03        | 1           | RH Rear Yoke ASM          | 47          | 70-11-004          | 2           | Pin-Split                         |
| 27          | 111-4983-03        | 1           | LH Rear Yoke ASM          |             |                    |             |                                   |

● Not illustrated

■ Not serviced separately

# Steering Column, Seat and Platform Assembly

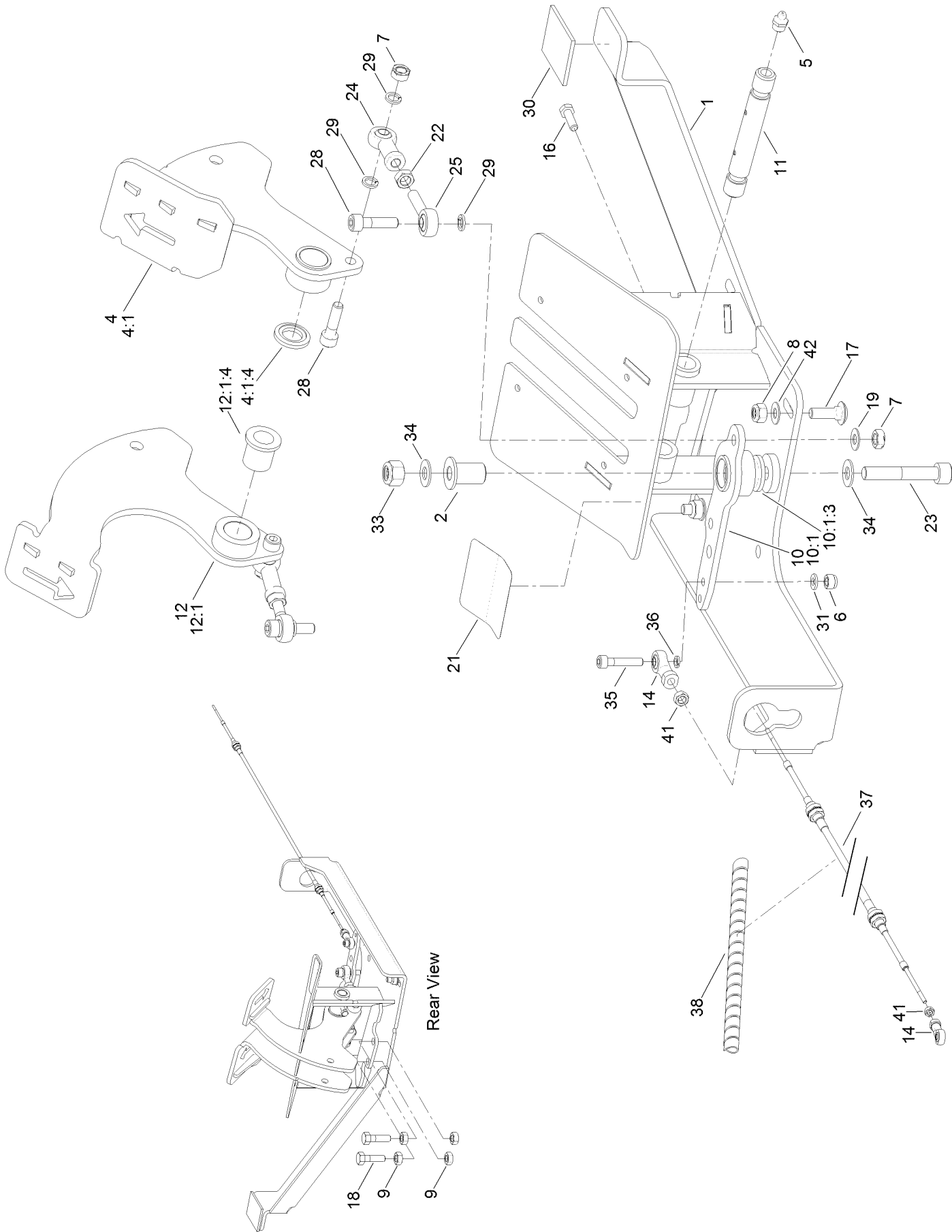


# Steering Column, Seat and Platform Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                     |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|----------------------------------------|
| 1           | 111-3509           | 5           | Adaptor                    | 25          | 09392              | 4           | Screw-HH                               |
| 2           | 111-3243-03        | 1           | Bracket-Platform Pivot, LH | 26          | 09363              | 2           | Screw-HH                               |
| 3           | 111-2665-03        | 1           | Bracket-Platform Pivot, RH | 27          | 03162              | 4           | Screw-HH                               |
| 4           | 111-3293           | 1           | Bulkhead                   | 28          | 70-07-063          | 1           | Spring-Extension                       |
| 5           | 111-3566           | 1           | Decal-Latch, Platform      | 29          | 111-6756           | 1           | Steering Column ASM                    |
| 6           | 111-3562           | 1           | Decal                      | 29:1        | 111-3505           | 4           | Bolt                                   |
| 7           | 67-1300            | 1           | Decal                      | 30          | 111-2574           | 1           | HYD Steering Pump ASM                  |
| 8           | 111-3510           | 1           | Spring-Gas                 | 31          | 98-1471            | 1           | Wheel-Steering                         |
| 9           | 111-3140-03        | 1           | Bar-Latch                  | 31:1        | 98-1468            | 1           | Cover-Wheel, Steering                  |
| 10          | 111-3269-03        | 1           | Lever-Latch, Platform      | 32          | 09263              | 5           | Washer                                 |
| 11          | 410076             | 2           | Nut                        | 33          | 09267              | 20          | Washer                                 |
| 12          | 111-3281           | 2           | Bar-Nut                    | 34          | 03469              | 4           | Washer-Spring                          |
| 13          | 63-11-015          | 4           | Nut-Flanged                | 35          | ZWQ1J000U          | 10          | Washer-Plain                           |
| 14          | ZNN1J000U          | 6           | Nut-Hex, NI                | 36          | 09264              | 4           | Washer-Spring                          |
| 15          | 09441              | 16          | Nut-Hex, NI                | 37          | 09474              | 1           | Washer-Spring                          |
| 16          | 111-3296           | 1           | Operator Platform ASM      | 38          | 93-5429            | 1           | Collar-Foam                            |
| 16:1        | 111-3506           | 1           | Mat-Floor                  | 39          | 111-3268           | 1           | Latch-Plate, Platform                  |
| 16:2        | 111-3507           | 1           | Mat-Side, LH               | 40          | 63-01-115          | 2           | Washer                                 |
| 16:3        | 111-3508           | 1           | Mat-Side, RH               | 41          | 09571              | 2           | Screw-HH                               |
| 17          | 70-11-004          | 1           | Pin-Split                  | 42          | 09599              | 2           | Washer-Spring                          |
| 18          | 111-2899-03        | 1           | Plate-Mount Pump, Steering | 43          | 03162              | 2           | Screw-HH                               |
| 19          | 111-3266           | 1           | Latch-Platform             | 44          | ZWP1H000U          | 4           | Washer-Plain                           |
| 20          | 111-2640-03        | 1           | Support-Platform           | 46          | 98-1459            | 1           | Decal                                  |
| 21          | 63-11-018          | 4           | Screw-Durloc               | 47          | 111-3779           | 1           | Cable, Seat Switch / Beacon<br>- Kit ● |
| 22          | 09362              | 1           | Screw-HH                   | 50          | ZHS1H025U          | 2           | Screw-HSBH                             |
| 23          | 111-3500           | 1           | Seat ASM (W/Seat Belt)     | 53          | 09827              | 1           | Nut                                    |
| 23:1        | 111-3498           | 1           | Adjuster-Rail, Seat        | 54          | 09499              | 2           | Washer                                 |
| 23:2        | 111-3499           | 1           | Rail-Adjuster, Slave       | 58          | HY4200             | 1           | Washer-Spring                          |
| 23:3        | 111-3501           | 1           | Suspension-Seat            | 59          | 50-08-001          | 2           | Edging-Rubber                          |
| 23:4        | 111-3502           | 1           | Seat Belt ASM              | 99          | 994808             | 1           | Excluder-Draught ●                     |
| 23:5        | 111-3511           | 1           | Arm Rest Kit               |             |                    |             |                                        |
| 24          | 111-3069-03        | 1           | Pan-Seat                   |             |                    |             |                                        |

● Not illustrated

## Pedal Control Assembly

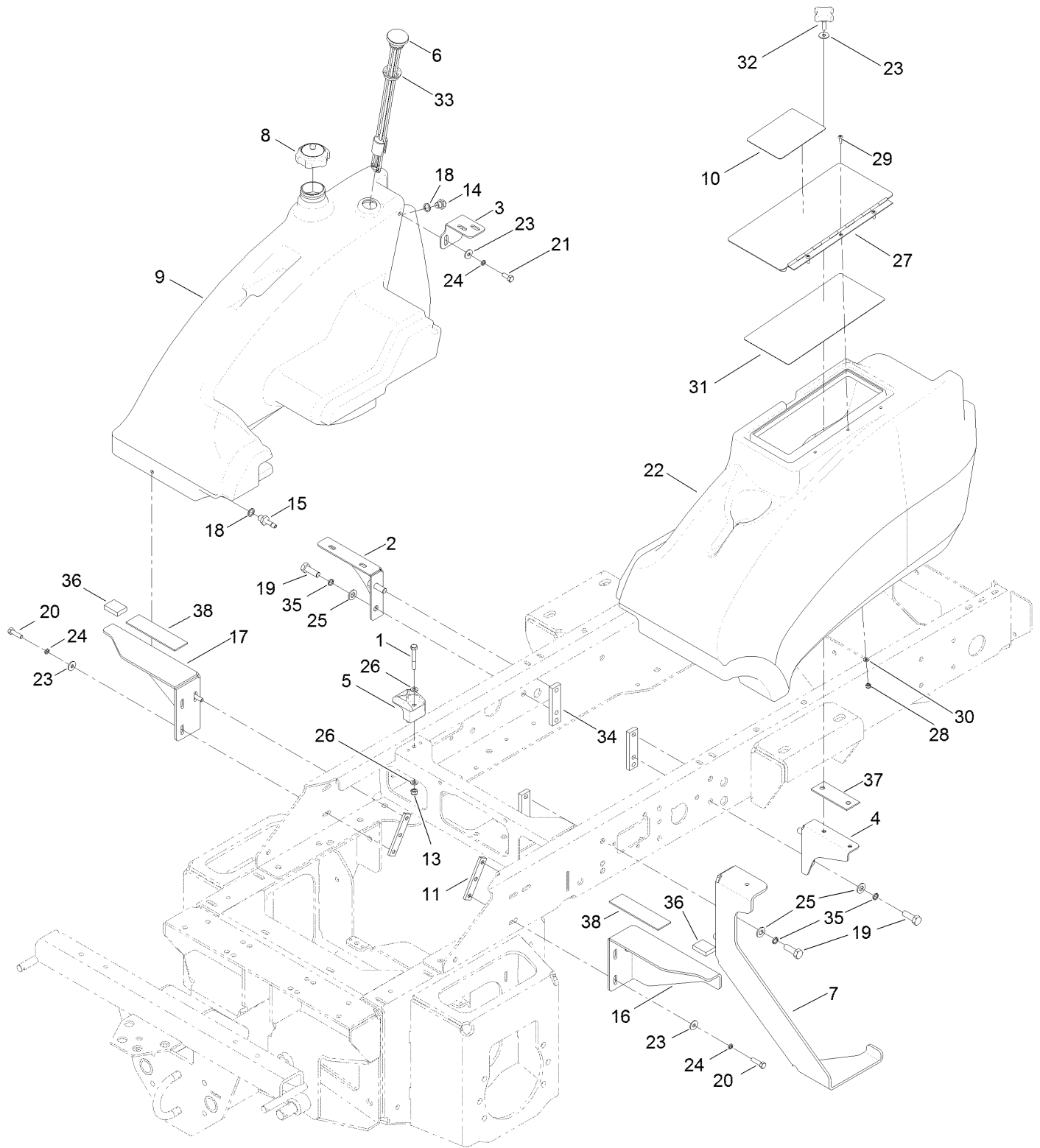


## Pedal Control Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 111-6150-03        | 1           | Pedal Base ASM         | 18          | ZDH1J035U          | 2           | Screw-HH              |
| 2           | 111-6494           | 1           | Bushing-Spacer         | 19          | 09475              | 2           | Washer                |
| 4           | 111-6278-03        | 1           | Forward Pedal ASM      | 21          | 111-3567           | 1           | Decal-Pedal Operation |
| 4:1         |                    | 1           | Pedal-Forward ●        | 22          | ZNH1H000U          | 2           | Nut-Hex               |
| 4:1:4       | 953868             | 1           | Bushing-Oilite, Flange | 23          | 111-6757           | 1           | Screw-HD              |
| 5           | 10-11-017          | 1           | Zerk-Grease, Straight  | 24          | 111-2896           | 2           | Rod-End, Female       |
| 6           | 09544              | 1           | Nut-Nyloc              | 25          | 111-6147           | 2           | Rod End               |
| 7           | ZNB1H000U          | 4           | Nut                    | 28          | ZCS1H030U          | 4           | Screw-Cap             |
| 8           | 09441              | 3           | Nut-Hex, NI            | 29          | 111-6948           | 6           | Washer-Spring         |
| 9           | 09449              | 4           | Nut                    | 30          | HY910808           | 1           | Strip-Neoprene        |
| 10          | 111-6148-03        | 1           | Pedal Lever ASM        | 31          | 09472              | 1           | Washer-Plain          |
| 10:1        |                    | 1           | Lever-Pedal ●          | 33          | 09447              | 1           | Nut                   |
| 10:1:3      | 953868             | 1           | Bushing-Oilite, Flange | 34          | 09479              | 2           | Washer                |
| 11          | 111-1310           | 1           | Pin-Control, Pedal     | 35          | 111-4586           | 1           | Screw-HSH             |
| 12          | 111-6277-03        | 1           | Reverse Pedal ASM      | 36          | 09474              | 1           | Washer-Spring         |
| 12:1        |                    | 1           | Pedal-Reverse ●        | 37          | 111-6780           | 1           | Cable-Transmission    |
| 12:1:4      | 953868             | 1           | Bushing-Oilite, Flange | 38          | 111-6133           | 1           | Guard-Spiral          |
| 14          | 111-4579           | 2           | Rod End-Female/Female  | 41          | 09437              | 2           | Nut                   |
| 16          | 09363              | 2           | Screw-HH               | 42          | 09267              | 3           | Washer                |
| 17          | 09373              | 3           | Bolt-Coach             |             |                    |             |                       |

● Not serviced separately

# Fuel Tank and Storage Pod Assembly

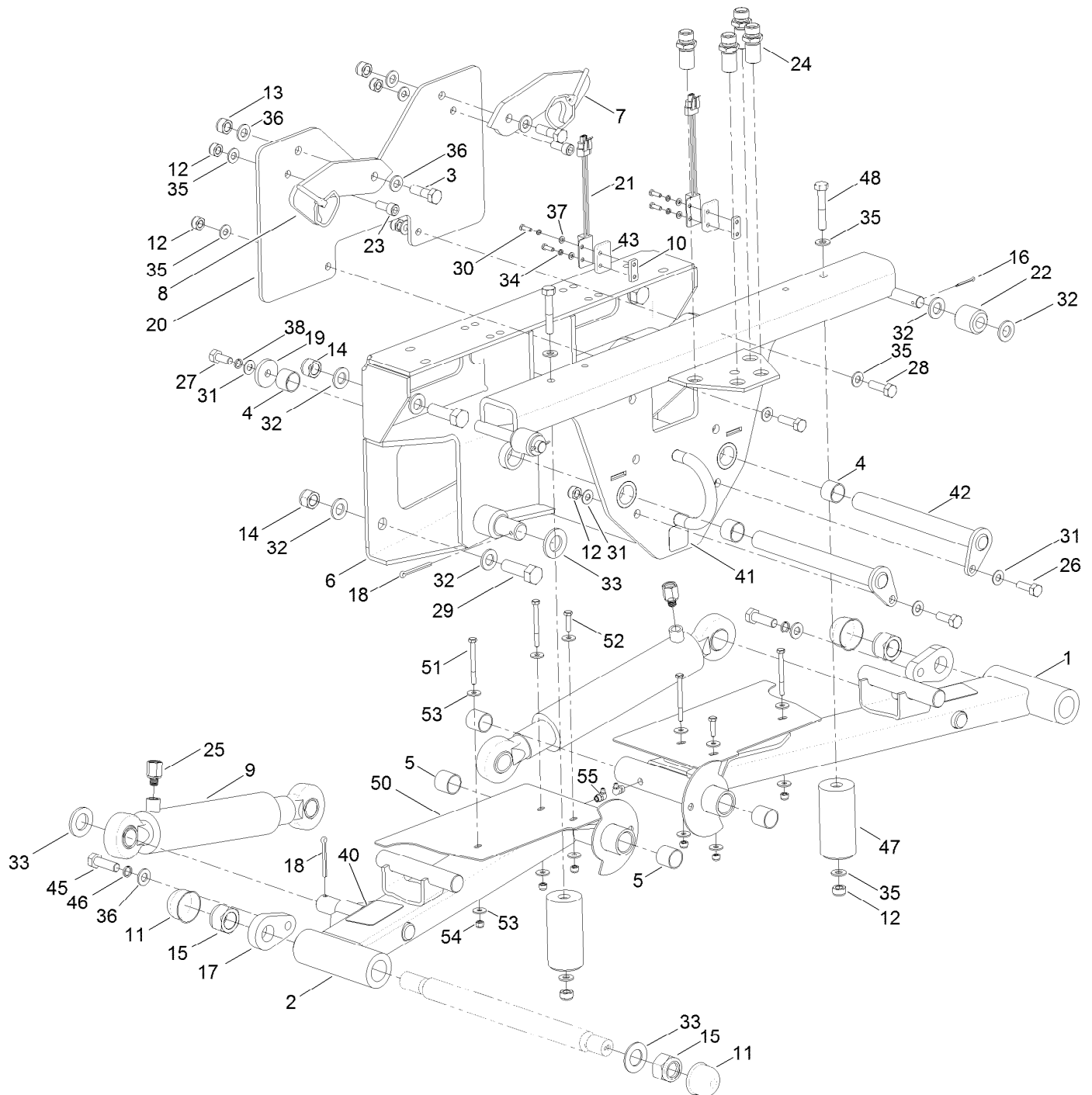


## Fuel Tank and Storage Pod Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 09565              | 1           | Screw-HH                 | 22          | 111-3295           | 1           | Pod-Storage               |
| 2           | 111-3452-03        | 1           | Bracket-Fuel Tank        | 23          | 09267              | 9           | Washer                    |
| 3           | 111-3453-03        | 1           | Bracket-Fuel Tank, Upper | 24          | 03469              | 6           | Washer-Spring             |
| 4           | 111-3424-03        | 1           | Bracket-Storage Pod      | 25          | HY09485            | 6           | Washer-Plain              |
| 5           | 107-4543           | 1           | Clamp                    | 26          | ZWP1H000U          | 2           | Washer-Plain              |
| 6           | 111-3292           | 1           | Gauge-Fuel Level         | 27          | 111-3561-03        | 1           | Lid ASM                   |
| 7           | 111-5364-01        | 1           | Bracket-Step             | 28          | 09438              | 3           | Nut-Nyloc                 |
| 8           | 111-3531           | 1           | Cap-Fuel                 | 29          | 111-3381           | 3           | Screw-HSBH                |
| 9           | 111-3294           | 1           | Tank-Fuel                | 30          | 09472              | 3           | Washer-Plain              |
| 10          | 111-0936           | 1           | Decal-Warning, Inclines  | 31          | 111-3569           | 1           | Decal-Maintenance         |
| 11          | 111-3281           | 2           | Bar-Nut                  | 32          | 111-3666           | 3           | Handwheel                 |
| 13          | 09441              | 1           | Nut-Hex, NI              | 33          | 111-3678           | 1           | Grommet-Gauge, Fuel Level |
| 14          | 910352             | 1           | Pipe-Fuel, Return        | 34          | 111-4490           | 3           | Bar-Nut                   |
| 15          | 910351             | 1           | Pipe-Suction, Fuel       | 35          | 09599              | 6           | Washer-Spring             |
| 16          | 111-3454-03        | 1           | Support-Platform, LH     | 36          | 111-5386           | 2           | Pad-Rubber                |
| 17          | 111-3455-03        | 1           | Support-Platform, RH     | 37          | 111-5388           | 1           | Pad-Rubber, Storage Pod   |
| 18          | 111-3925           | 2           | Washer-Fibre             | 38          | HY910808           | 1           | Strip-Neoprene            |
| 19          | ZDH1L035U          | 6           | Screw-HH                 | 99          | 70-07-067          | 1           | Tape-Slip, Anti ●         |
| 20          | 09369              | 4           | Screw-HH                 |             |                    |             |                           |
| 21          | 09368              | 2           | Screw-HH                 |             |                    |             |                           |

● Not illustrated

# Front Lift Arm Assembly

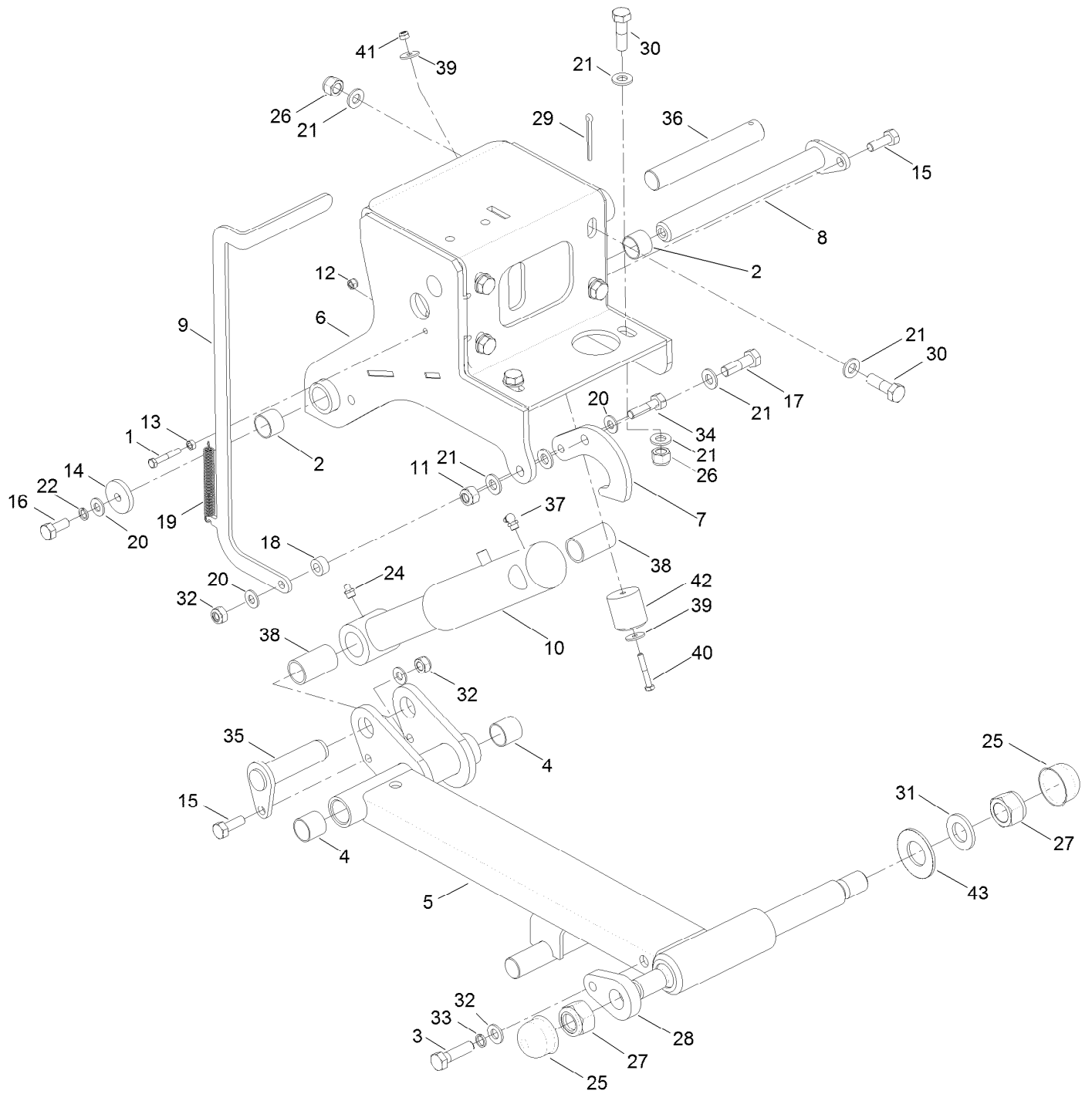


## Front Lift Arm Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 111-1390-03        | 1           | Arm-Front, RH            | 27          | 09395              | 2           | Screw-HH                  |
| 2           | 111-4100-03        | 1           | Arm-Front, LH            | 28          | ZDH1J035U          | 2           | Screw-HH                  |
| 3           | 63-11-010          | 2           | Bolt-HH                  | 29          | ZDH1P050U          | 8           | Screw-HH                  |
| 4           | 74-07-028          | 4           | Bushing                  | 30          | ZDH1E016U          | 4           | Screw-HH                  |
| 5           | 876066             | 4           | Bushing                  | 31          | 09479              | 6           | Washer                    |
| 6           | 111-2075-03        | 1           | Front Arm Pivot ASM      | 32          | 09491              | 20          | Washer-Plain              |
| 7           | 994350C            | 1           | Latch-LH                 | 33          | 09555              | 6           | Washer                    |
| 8           | 994355C            | 1           | Latch-RH                 | 34          | 09644              | 4           | Washer-Spring             |
| 9           | 111-1998           | 2           | HYD Lift Cylinder ASM    | 35          | ZWQ1J000U          | 10          | Washer-Plain              |
| 9:1         | 111-3471           | 1           | Seal Kit ●               | 36          | HY09485            | 6           | Washer-Plain              |
| 10          | 111-3336           | 2           | Bar-Switch, Proximity    | 37          | 09470              | 4           | Washer                    |
| 11          | 10-11-100          | 4           | Cap-Nut                  | 38          | 09480              | 2           | Washer-Spring             |
| 12          | ZNN1J000U          | 8           | Nut-Hex, NI              | 40          | 70-13-077          | 2           | Decal-Danger              |
| 13          | 09650              | 2           | Nut-Hex, Nyloc           | 41          | 70-13-072          | 1           | Decal-Jacking Point       |
| 14          | 09456              | 8           | Nut                      | 42          | 111-3248           | 2           | Pin-Pivot, Front Arm      |
| 15          | ZNN1X000U          | 4           | Nut-Hex, Nyloc           | 43          | 111-3676           | 2           | Spacer-Switch, Proximity  |
| 16          | 70-11-005          | 2           | Pin-Split                | 45          | ZDH1L040U          | 2           | Screw-HH                  |
| 17          | 63-01-185W         | 2           | Retainer-Pin             | 46          | 09599              | 2           | Washer-Spring             |
| 18          | 74-11-003          | 4           | Pin-Split                | 47          | 111-4157           | 2           | Stop-Bump                 |
| 19          | 111-3366           | 2           | Plate-Retaining, Bushing | 48          | 09397              | 2           | Bolt                      |
| 20          | 111-2951-03        | 1           | Plate-Support, Latch     | 50          | 111-6822-03        | 2           | Deflector- Arm, Mounted   |
| 21          | 105-0023           | 2           | Switch-Proximity         | 51          | 09703              | 4           | Bolt-HH                   |
| 22          | 922112             | 2           | Roller                   | 52          | 09364              | 2           | Screw-HH                  |
| 23          | ZCS1J025U          | 2           | Screw-HSH                | 53          | 09262              | 12          | Washer                    |
| 24          | 09-06-216          | 4           | Adaptor-Bulkhead         | 54          | 09544              | 6           | Nut-Nyloc                 |
| 25          | 111-3538           | 2           | Adaptor                  | 55          | 63-07-027          | 2           | Zerk-Grease, Bsp (90 DEG) |
| 26          | 09392              | 2           | Screw-HH                 |             |                    |             |                           |

● Not illustrated

# Center Arm Assembly

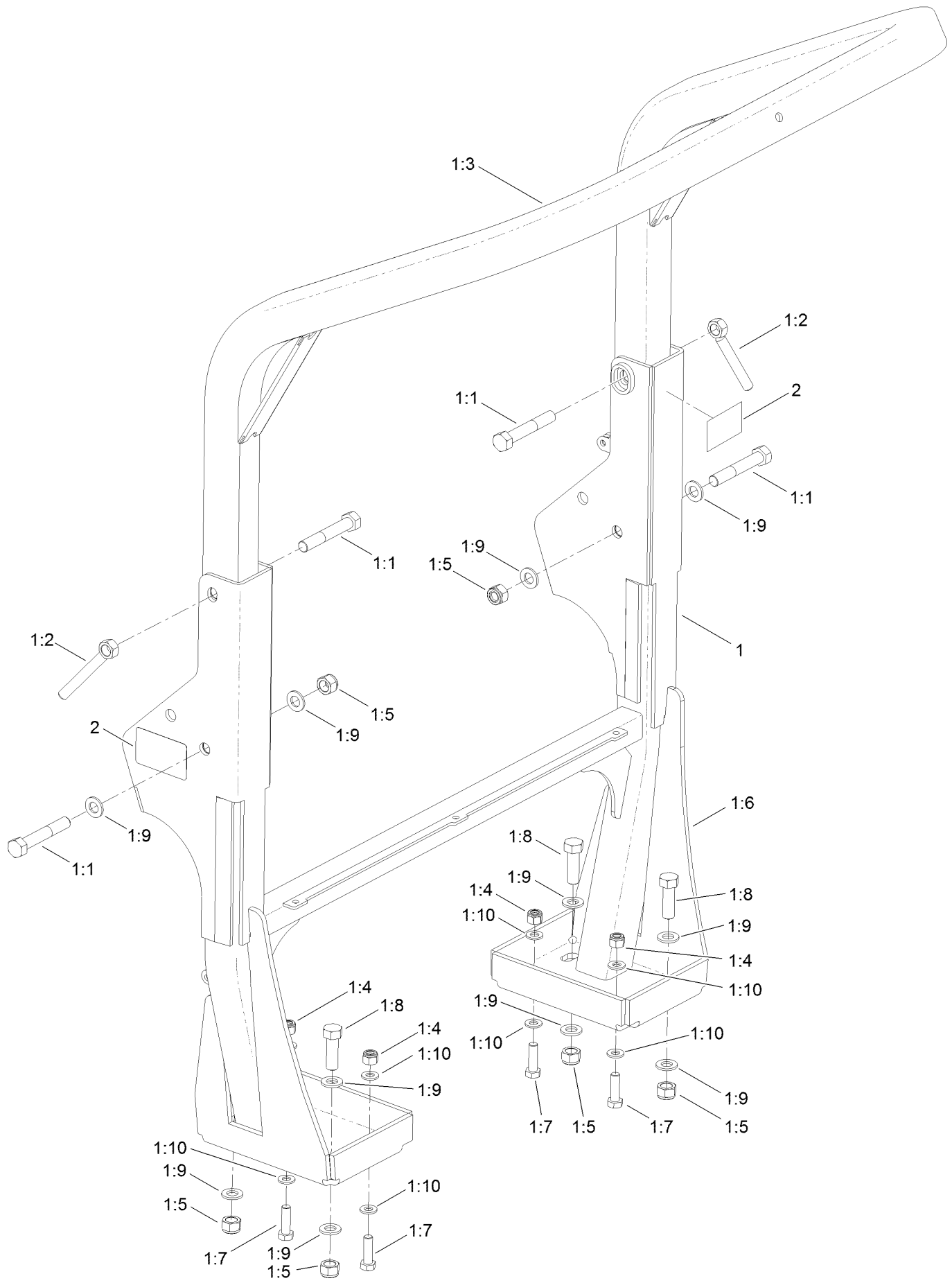


## Center Arm Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | ZBH1F040U          | 1           | Screw-HH                  | 23          | 111-3538           | 1           | Adaptor ●                 |
| 2           | 74-07-028          | 2           | Bushing                   | 24          | 10-11-017          | 1           | Zerk-Grease, Straight     |
| 3           | ZBH1L045U          | 1           | Screw-HH                  | 25          | 10-11-100          | 2           | Cap-Nut                   |
| 4           | 876066             | 2           | Bushing                   | 26          | ZNN1L000U          | 6           | Nut-Nyloc                 |
| 5           | 111-5158-03        | 1           | Centre Arm ASM            | 27          | ZNN1X000U          | 2           | Nut-Hex, Nyloc            |
| 6           | 111-5190-03        | 1           | Centre Arm Mount ASM      | 28          | 63-01-185W         | 1           | Retainer-Pin              |
| 7           | 111-3099-01        | 1           | Latch-Head, Center        | 29          | 74-11-003          | 2           | Pin-Split                 |
| 8           | 111-3248           | 1           | Pin-Pivot, Front Arm      | 30          | 09415              | 6           | Screw-HH                  |
| 9           | 111-3122-01        | 1           | Handle-Head, Centre       | 31          | 09555              | 3           | Washer                    |
| 10          | 910109W            | 1           | Cylinder-Lift             | 32          | 09441              | 3           | Nut-Hex, NI               |
| 11          | 09650              | 1           | Nut-Hex, Nyloc            | 33          | 09599              | 1           | Washer-Spring             |
| 12          | 09544              | 1           | Nut-Nyloc                 | 34          | 09611              | 1           | Bolt-HH                   |
| 13          | 09437              | 1           | Nut                       | 35          | 74-05-108          | 1           | Pin-Wing, Arm             |
| 14          | 111-3366           | 1           | Plate-Retaining, Bushing  | 36          | 111-5212           | 1           | Pin                       |
| 15          | 09392              | 2           | Screw-HH                  | 37          | 63-07-027          | 1           | Zerk-Grease, Bsp (90 DEG) |
| 16          | 09395              | 1           | Screw-HH                  | 38          | 25-07-007          | 2           | Bushing-Tension           |
| 17          | ZDH1L035U          | 1           | Screw-HH                  | 39          | 09263              | 2           | Washer                    |
| 18          | 111-3457           | 1           | Spacer-Latch, Center Head | 40          | ZBH1F040U          | 1           | Screw-HH                  |
| 19          | 111-3329           | 1           | Spring-Latch, Center Head | 41          | 09438              | 1           | Nut-Nyloc                 |
| 20          | ZWQ1J000U          | 7           | Washer-Plain              | 42          | 61-07-003          | 1           | Buffer-Rubber             |
| 21          | HY09485            | 17          | Washer-Plain              | 43          | 767815             | 1           | Washer-Belleville         |
| 22          | 09480              | 1           | Washer-Spring             |             |                    |             |                           |

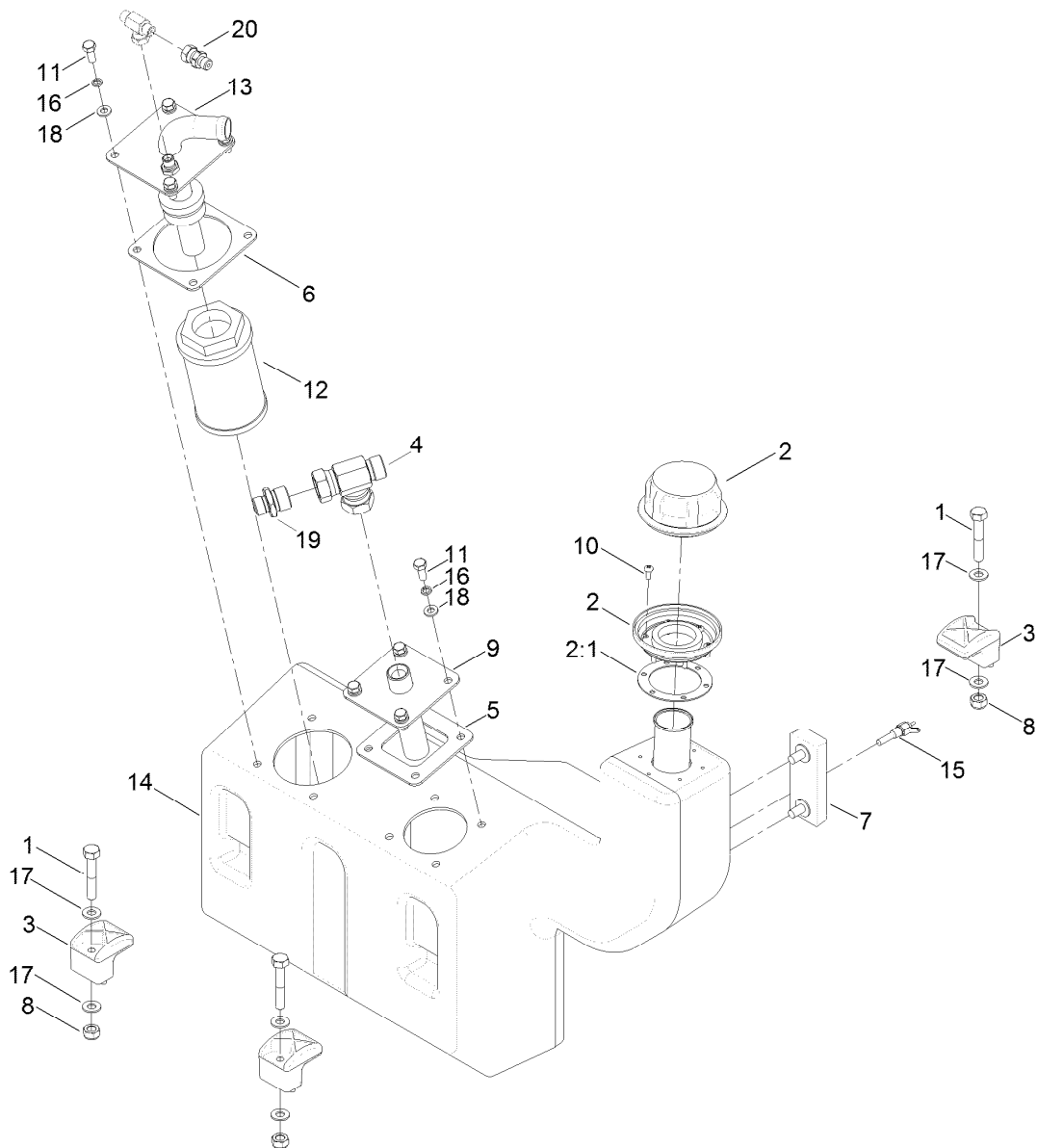
● Not illustrated

# Roll-Over Protection System Assembly



## Roll-Over Protection System Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           | 111-5436           | 1           | ROPS ASM           | 1:6         | 111-3459           | 1           | Frame-Lower        |
| 1:1         | ZBH1P100U          | 4           | Bolt               | 1:7         | ZDH1L040U          | 4           | Screw-HH           |
| 1:2         | 956016             | 2           | Nut-Hand           | 1:8         | 111-3484           | 4           | Screw-HH           |
| 1:3         | 111-3460           | 1           | Hoop-Upper         | 1:9         | 09491              | 12          | Washer-Plain       |
| 1:4         | ZNN1L000U          | 4           | Nut-Nyloc          | 1:10        | HY09485            | 8           | Washer-Plain       |
| 1:5         | 09456              | 6           | Nut                | 2           | 111-0773           | 2           | Decal              |

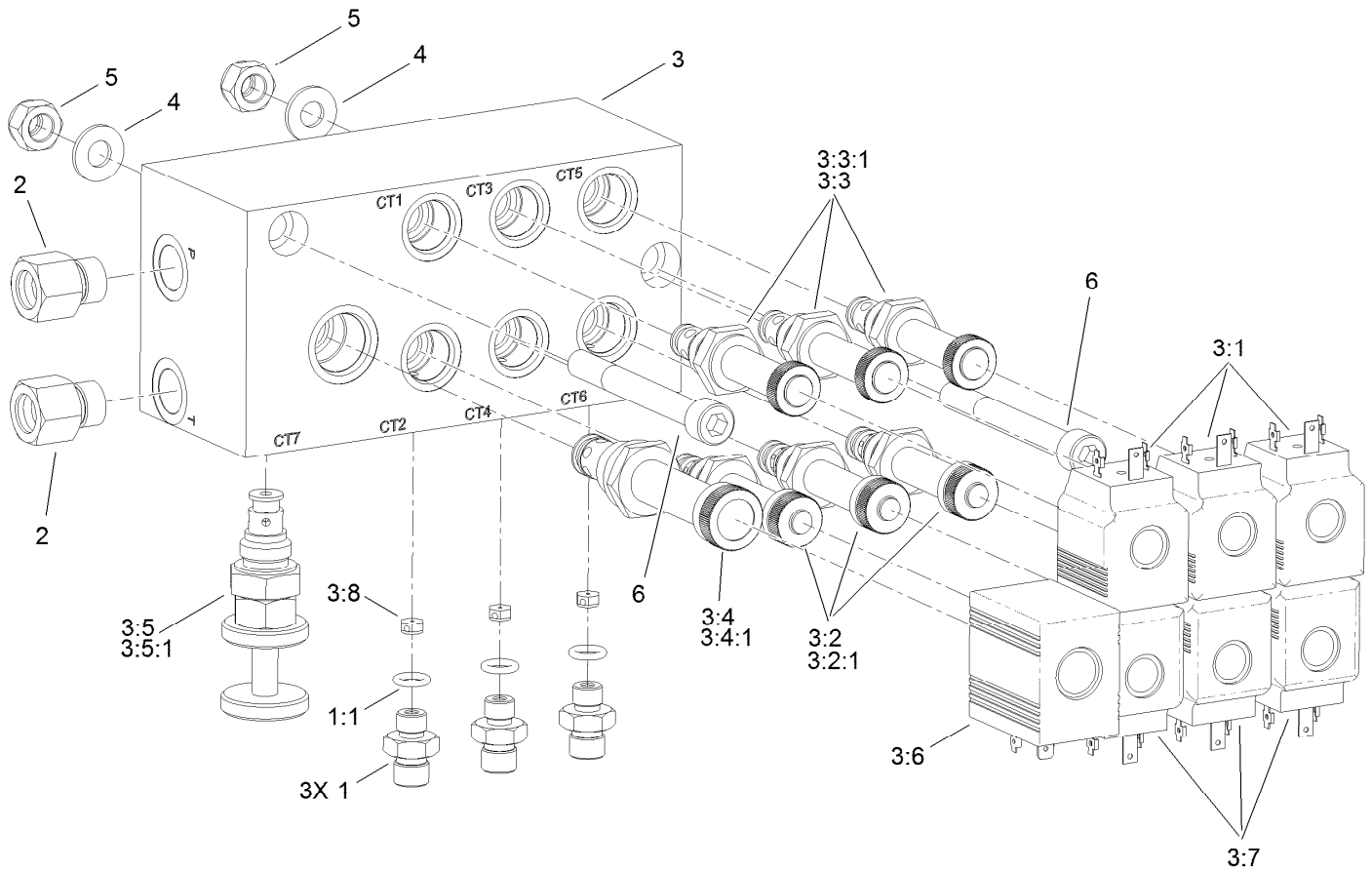


## Hydraulic Oil Tank Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 09397       | 3    | Bolt                   |
| 2    | HY910601    | 1    | Cap-Breather, Filler   |
| 2:1  | 910648      | 1    | Cap-Gasket, Filler     |
| 3    | 107-4543    | 3    | Clamp                  |
| 4    | 60-06-009   | 1    | Adaptor-Tee            |
| 5    | 111-3387    | 1    | Gasket-Flange, Return  |
| 6    | 111-3386    | 1    | Gasket-Flange, Suction |
| 7    | 65-06-018   | 1    | Gauge-Level, Oil       |
| 8    | ZNN1J000U   | 3    | Nut-Hex, NI            |
| 9    | 111-3230-03 | 1    | Flange-Return          |
| 10   | 10-11-029   | 6    | Screw-PPH, Taptite     |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 11   | 09368       | 8    | Screw-HH                |
| 12   | 10-06-025   | 1    | Filter-Suction          |
| 13   | 111-5155-03 | 1    | Suction Flange ASM      |
| 14   | 111-3034    | 1    | Tank-Oil, HYD           |
| 15   | 940852      | 1    | Switch-Temperature      |
| 16   | 03469       | 8    | Washer-Spring           |
| 17   | ZWQ1J000U   | 6    | Washer-Plain            |
| 18   | ZWP1H000U   | 8    | Washer-Plain            |
| 19   | 09-06-201   | 1    | Adaptor                 |
| 20   | 111-4666    | 1    | Adaptor-Bsp             |
| 99   | 10-11-033   | 2    | Clamp-Hose, Hi-Torque ● |

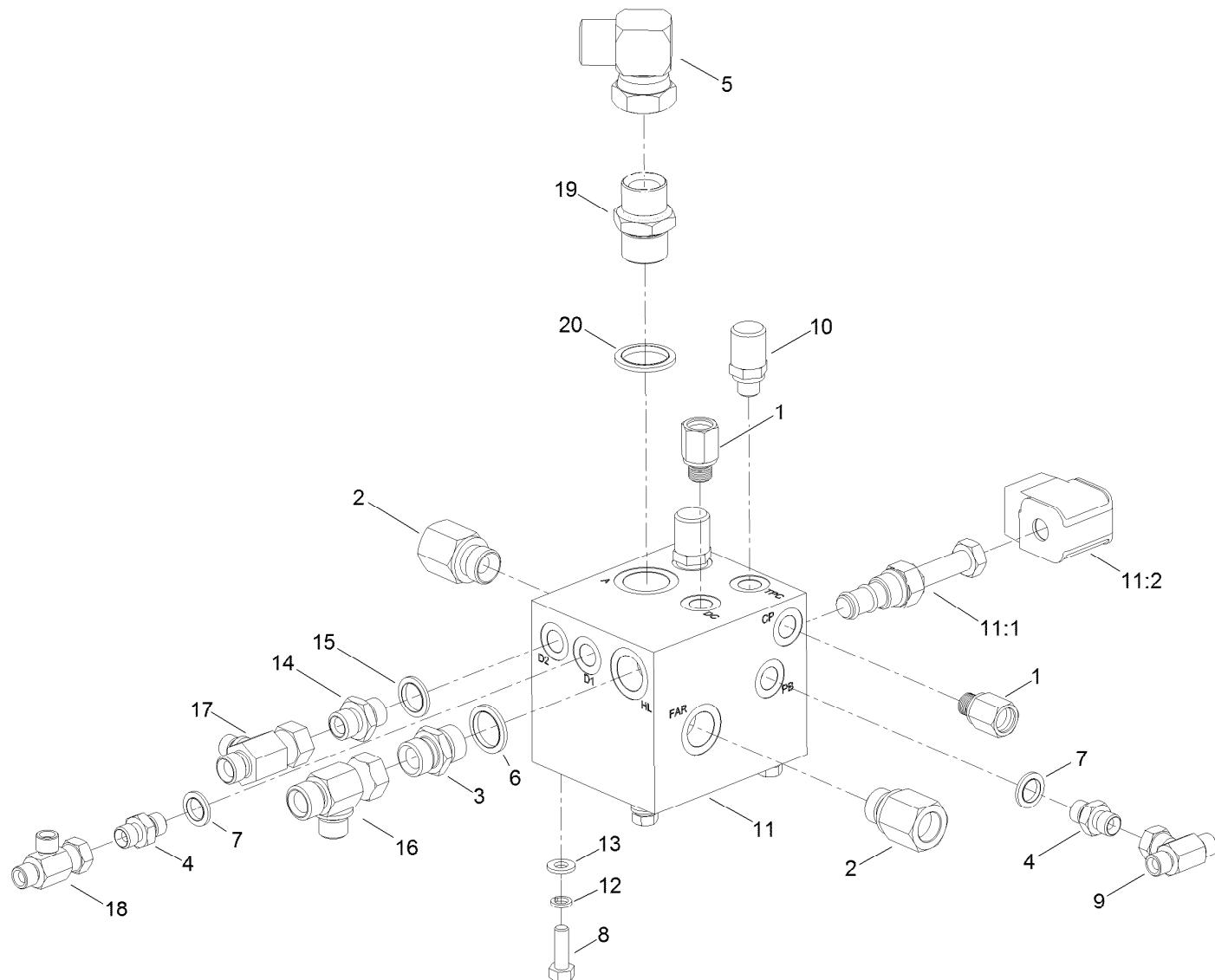
● Not illustrated



## Lift Manifold Assembly

| Ref.  | Part Number | Qty. | Description            |
|-------|-------------|------|------------------------|
| 1     | 950750      | 3    | Adaptor                |
| 1:1   | 70-06-163   | 1    | Seal-O Ring            |
| 2     | 111-3509    | 2    | Adaptor                |
| 3     | 111-3435    | 1    | Manifold-Control, Lift |
| 3:1   | 111-3434    | 3    | Solenoid               |
| 3:2   | 111-3436    | 3    | Valve-Solenoid         |
| 3:2:1 | 111-4902    | 1    | Seal Kit               |
| 3:3   | 111-3437    | 3    | Valve-Solenoid         |
| 3:3:1 | 111-4902    | 1    | Seal Kit               |
| 3:4   | 111-3438    | 1    | Valve-Solenoid         |

| Ref.  | Part Number | Qty. | Description           |
|-------|-------------|------|-----------------------|
| 3:4:1 | 111-4903    | 1    | Seal Kit              |
| 3:5   | 111-3439    | 1    | Needle-Valve          |
| 3:5:1 | 111-4904    | 1    | Seal Kit              |
| 3:6   | 111-3440    | 1    | Solenoid              |
| 3:7   | 111-3688    | 3    | Solenoid Coil         |
| 3:8   | 111-3689    | 3    | Plate-Orifice (2 Way) |
| 4     | ZWQ1J000U   | 2    | Washer-Plain          |
| 5     | ZNN1J000U   | 2    | Nut-Hex, NI           |
| 6     | 111-3520    | 2    | Screw-HSH             |

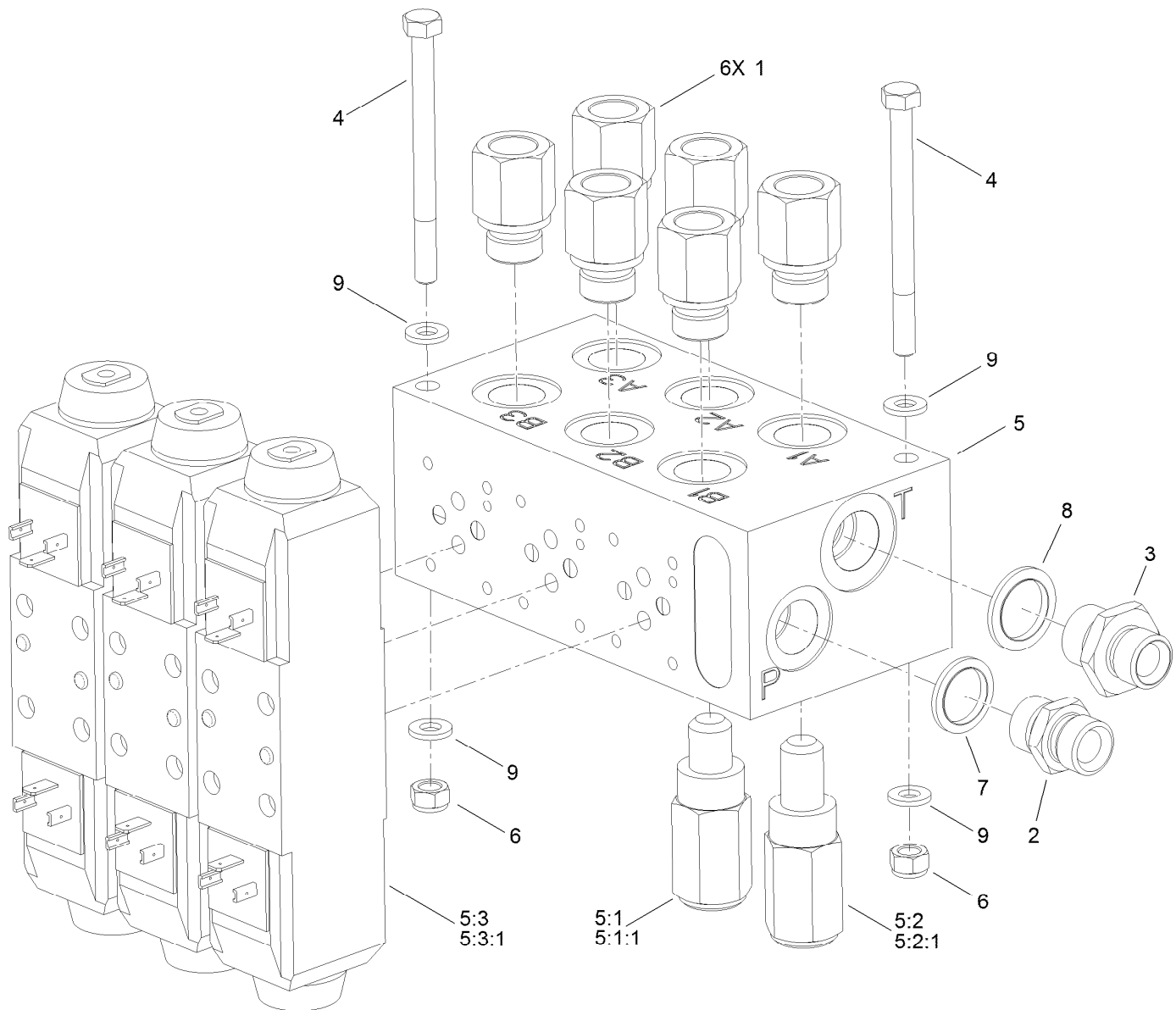


## Hydraulic Transmission Manifold Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 111-3538    | 2    | Adaptor               |
| 2    | 111-3529    | 2    | Adaptor               |
| 3    | 10-06-078   | 1    | Adaptor-Bspp          |
| 4    | 10-06-085   | 2    | Adaptor               |
| 5    | 111-4443    | 1    | Elbow-Bsp             |
| 6    | 10-06-032   | 1    | Seal-Dowty            |
| 7    | 10-06-030   | 2    | Seal-Dowty            |
| 8    | 03162       | 4    | Screw-HH              |
| 9    | 60-06-011   | 1    | Tee-Bsp               |
| 10   | 910615      | 2    | Test Point-Bspp       |
| 11   | 111-2555    | 1    | Manifold-Transmission |
| 11:1 | 111-3533    | 1    | Valve-Solenoid        |

| Ref.   | Part Number | Qty. | Description       |
|--------|-------------|------|-------------------|
| 11:1:1 | 910633      | 1    | Seal Kit ●        |
| 11:2   | 910627      | 1    | Coil-Solenoid     |
| 12     | 03469       | 4    | Washer-Spring     |
| 13     | ZWP1H000U   | 4    | Washer-Plain      |
| 14     | 10-06-042   | 1    | Adaptor-Bspp      |
| 15     | 10-06-031   | 1    | Seal-Dowty        |
| 16     | 953732      | 1    | Tee-Bsp           |
| 17     | 953806      | 1    | Tee               |
| 18     | 10-06-083   | 1    | Tee-Bsp, 1/4 Inch |
| 19     | 10-06-044   | 1    | Adaptor-Bsp       |
| 20     | 10-06-033   | 1    | Seal-Dowty        |

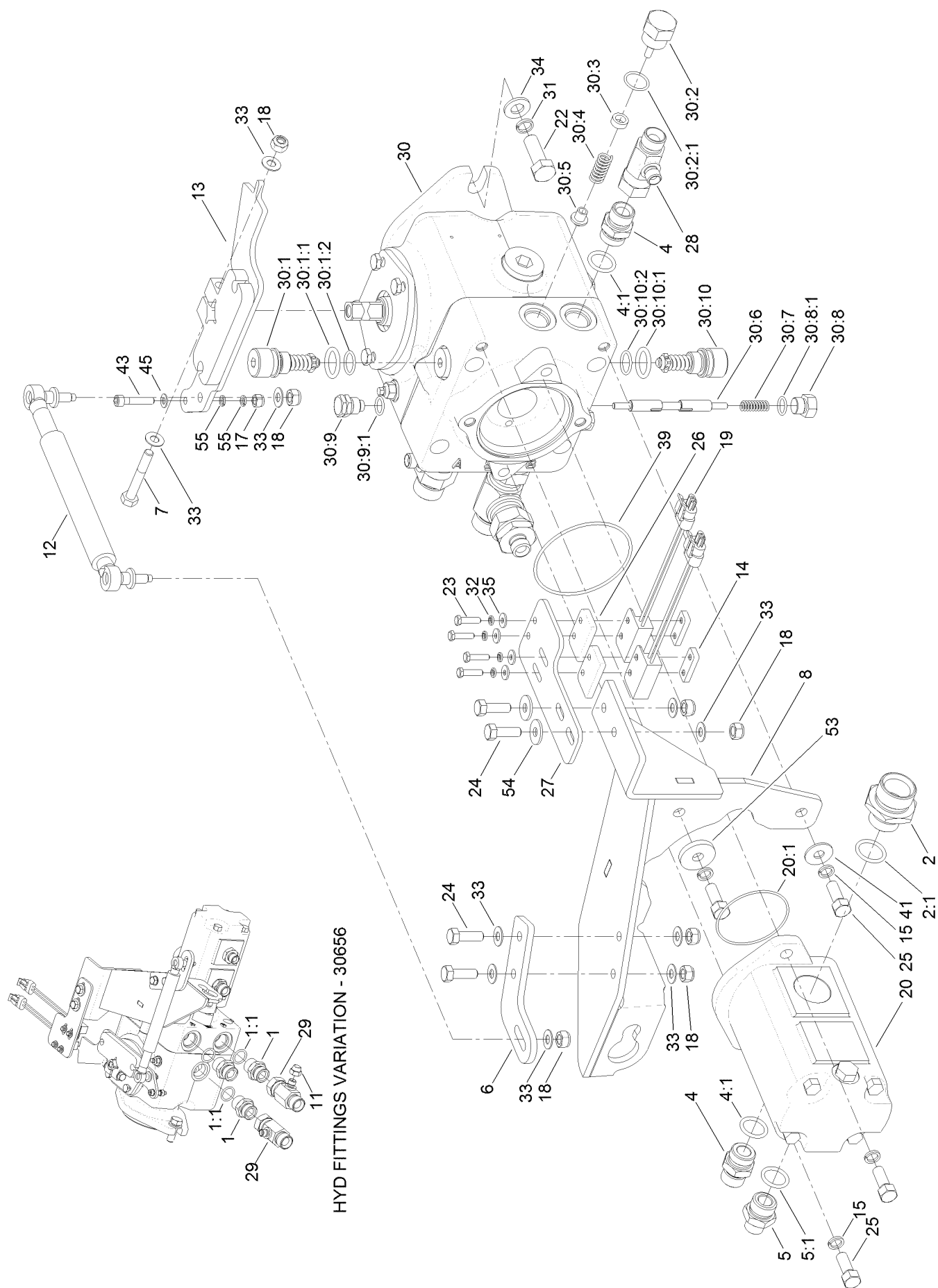
● Not illustrated



## Cutter Control Manifold Assembly

| Ref.  | Part Number | Qty. | Description                |
|-------|-------------|------|----------------------------|
| 1     | 111-3529    | 6    | Adaptor                    |
| 2     | 10-06-078   | 1    | Adaptor-Bspp               |
| 3     | 950726      | 1    | Adaptor-Bsp, 1/2 Inch      |
| 4     | 111-3530    | 2    | Bolt-HH                    |
| 5     | 111-2553    | 1    | Manifold-Control, Cutter   |
| 5:1   | 111-3524    | 1    | Valve-Relief, 210 Bar      |
| 5:1:1 | 111-4905    | 1    | Seal Kit                   |
| 5:2   | 111-3525    | 1    | Valve-Relief, 250 Bar      |
| 5:2:1 | 111-4905    | 1    | Seal Kit                   |
| 5:3   | 111-3526    | 3    | Valve-Control, Directional |
| 5:3:1 | 111-4907    | 1    | Seal Kit                   |
| 6     | 09441       | 2    | Nut-Hex, NI                |
| 7     | 10-06-032   | 1    | Seal-Dowty                 |
| 8     | 70-06-058   | 1    | Seal-Dowty                 |
| 9     | ZWP1H000U   | 4    | Washer-Plain               |

## Transmission and Tandem Pump Assembly

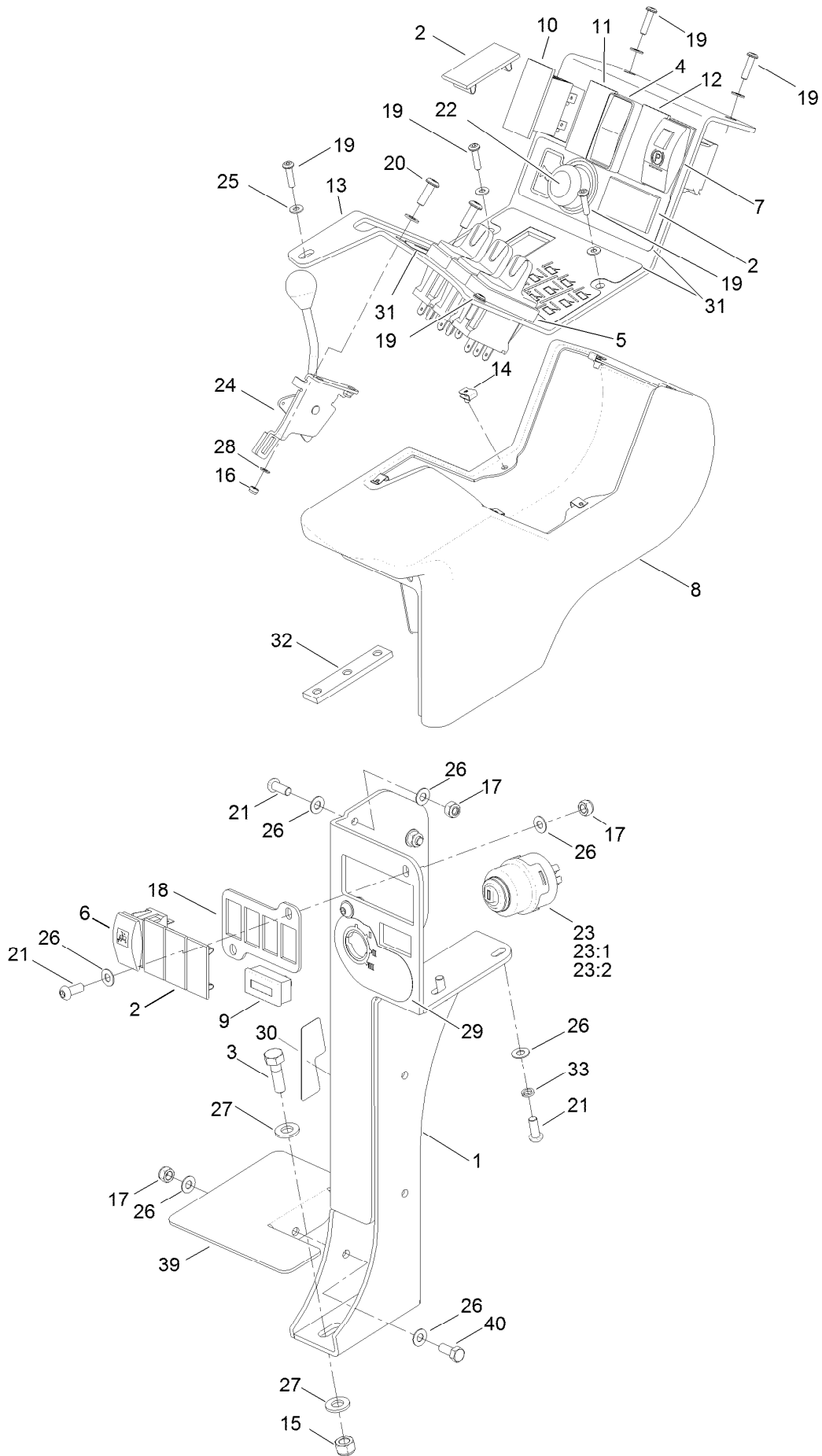


# Transmission and Tandem Pump Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             |
|-------------|--------------------|-------------|--------------------------------|-------------|--------------------|-------------|--------------------------------|
| 1           | 70-06-050          | 3           | Adaptor-Boss                   | 30:1:1      | 111-4906           | 1           | O-Ring, Large                  |
| 1:1         | 70-06-168          | 1           | Seal-O Ring                    | 30:1:2      | 111-4925           | 1           | O-Ring, Small                  |
| 2           | 70-06-236          | 1           | Adaptor-Bspp, 1 Inch           | 30:2        | 111-3378           | 1           | Plug-Charge Pressure Relief    |
| 2:1         | 70-06-168          | 1           | Seal-O Ring                    | 30:2:1      | 111-4920           | 1           | O-Ring, Charge Relief Plug     |
| 4           | 63-06-104          | 2           | Adaptor-Bsp                    | 30:3        | 111-4908           | 1           | Shim Kit (Charge Prv)          |
| 4:1         | 63-06-111          | 1           | Seal-O Ring                    | 30:4        | 111-4918           | 1           | Spring-Charge, Prv             |
| 5           | 70-06-053          | 1           | Adaptor-Boss                   | 30:5        | 111-4919           | 1           | Poppet-Charge, Prv             |
| 5:1         | 63-06-111          | 1           | Seal-O Ring                    | 30:6        | 111-3380           | 1           | Valve-Flushing, Loop           |
| 6           | 111-6853-03        | 1           | Adjuster-Damper                | 30:7        | 111-4917           | 1           | Spring-Loop Flushing Valve     |
| 7           | 09565              | 1           | Screw-HH                       | 30:8        | 111-4916           | 1           | Plug-Loop Flushing Valve       |
| 8           | 111-6456-03        | 1           | Bracket-Control, Pump          | 30:8:1      | 111-4928           | 1           | O-Ring, Loop Flushing Valve    |
| 11          | 66-06-003          | 1           | Cap-Bsp                        | 30:9        | 111-6776           | 1           | Plug-Flush                     |
| 12          | MU1001328          | 1           | Damper ASM                     | 30:9:1      | 111-4928           | 1           | O-Ring, Loop Flushing Valve    |
| 13          | 111-6814           | 1           | Lever-Control, Pump            | 30:10       | 111-6775           | 1           | Valve-Pressure Relief, 300 Bar |
| 14          | 111-3336           | 2           | Bar-Switch, Proximity          | 30:10:1     | 111-4906           | 1           | O-Ring, Large                  |
| 15          | 09273              | 4           | Washer-Spring                  | 30:10:2     | 111-4925           | 1           | O-Ring, Small                  |
| 17          | 09544              | 1           | Nut-Nyloc                      | 31          | 09599              | 2           | Washer-Spring                  |
| 18          | 09441              | 7           | Nut-Hex, NI                    | 32          | 09644              | 4           | Washer-Spring                  |
| 19          | 105-0023           | 2           | Switch-Proximity               | 33          | 09475              | 10          | Washer                         |
| 20          | 111-3553           | 1           | Tandem Pump ASM                | 34          | HY09485            | 2           | Washer-Plain                   |
| 20:1        | 70-06-028          | 1           | O-Ring                         | 35          | 09257              | 4           | Washer                         |
| 20:99       | 70-06-153          | 1           | Seal Kit ●                     | 39          | 70-06-028          | 1           | O-Ring                         |
| 22          | ZDH1L035U          | 2           | Screw-HH                       | 41          | HY03355            | 1           | Washer-Plated                  |
| 23          | ZDH1E020U          | 4           | Screw-HH                       | 43          | 111-4586           | 1           | Screw-HSH                      |
| 24          | 03162              | 4           | Screw-HH                       | 45          | ZWP1F000U          | 1           | Washer-Plain                   |
| 25          | HY103653           | 4           | Screw-HH                       | 53          | 65-01-559          | 1           | Washer-Space                   |
| 26          | 111-3676           | 2           | Spacer-Switch, Proximity       | 54          | 09267              | 2           | Washer                         |
| 27          | 111-3260-03        | 1           | Adjuster-Switches              | 55          | 09474              | 2           | Washer-Spring                  |
| 28          | 74-06-019          | 1           | Adaptor-Tee                    |             |                    |             |                                |
| 29          | 111-3639           | 2           | Tee-Bsp                        |             |                    |             |                                |
| 30          | 111-6774           | 1           | Pump-Transmission              |             |                    |             |                                |
| 30:1        | 111-3379           | 1           | Valve-Pressure Relief, 345 Bar |             |                    |             |                                |

● Not illustrated

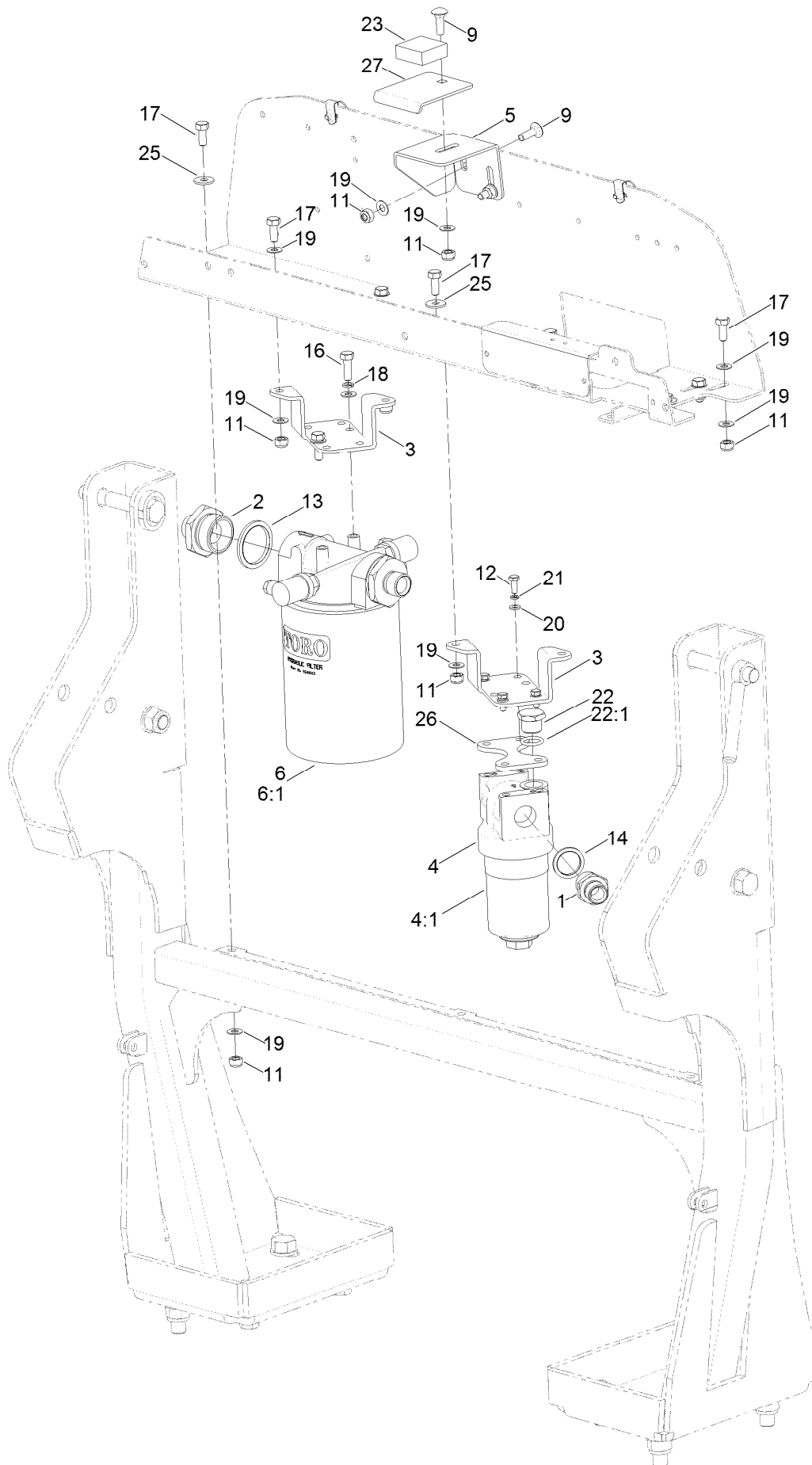
# Control Panel Assembly



## Control Panel Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                        |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|-------------------------------------------|
| 1           | 111-5166-03        | 1           | Control Arm ASM             | 20          | 111-3381           | 2           | Screw-HSBH                                |
| 2           | 111-2337           | 5           | Blank-Switch                | 21          | ZHS1H020U          | 6           | Screw-HSBH                                |
| 3           | 09394              | 2           | Bolt                        | 22          | 924618             | 1           | Switch-Horn, Push                         |
| 4           | 111-2253           | 1           | Switch-Cutters              | 23          | 74-09-009          | 1           | Switch-Ignition                           |
| 5           | 111-2956           | 3           | Switch-Lift                 | 23:1        | 74-09-017          | 1           | Key-Ignition                              |
| 6           | 111-2451           | 1           | Switch-Limited Lift Reverse | 23:2        | 74-09-010          | 1           | Switch-Cover                              |
| 7           | 111-2254           | 1           | Switch-Park Brake           | 24          | 111-7090           | 1           | Cable-Throttle                            |
| 8           | 111-3004           | 1           | Pod-Control                 | 25          | 09658              | 6           | Washer                                    |
| 9           | 111-3362           | 1           | Meter-Hour                  | 26          | 09475              | 12          | Washer                                    |
| 10          | 111-2333           | 1           | Indicator-Illuminated       | 27          | HY09485            | 4           | Washer-Plain                              |
| 11          | 111-2334           | 1           | Indicator-Illuminated       | 28          | 09470              | 4           | Washer                                    |
| 12          | 111-3026           | 1           | Indicator-Illuminated       | 29          | 111-3344           | 1           | Decal-Switch, Ignition                    |
| 13          | 111-2963-03        | 1           | Instrument-Panel            | 30          | 111-3658           | 1           | Decal-Latch, Cutterhead                   |
| 14          | 111-3079           | 6           | U-Nut                       | 31          | 111-3277           | 1           | Decal-Lift Switches And<br>Engine Control |
| 15          | 09447              | 2           | Nut                         | 32          | 111-3281           | 1           | Bar-Nut                                   |
| 16          | 09430              | 2           | Nut-Nyloc                   | 33          | 03469              | 2           | Washer-Spring                             |
| 17          | 09441              | 5           | Nut-Hex, NI                 | 39          | 111-5239-03        | 1           | Plate-Filler                              |
| 18          | 111-3361-03        | 1           | Plate-Switch                | 40          | 09368              | 1           | Screw-HH                                  |
| 19          | 111-3473           | 6           | Screw-Button Head           |             |                    |             |                                           |

# Filter Assembly

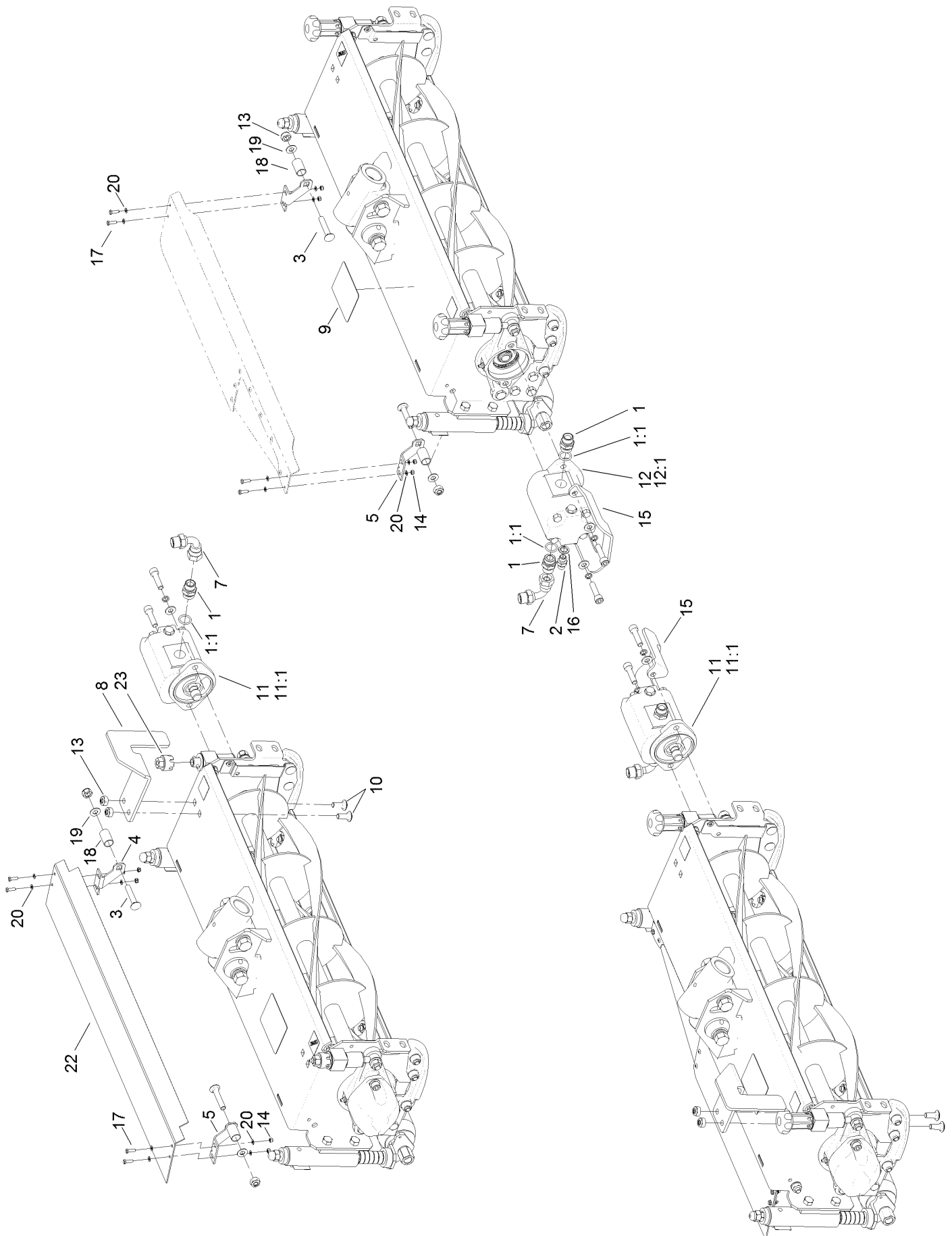


## Filter Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|---------------------|
| 1           | 09-06-201          | 2           | Adaptor                      | 14          | 10-06-033          | 2           | Seal-Dowty          |
| 2           | 25-06-050          | 2           | Adaptor                      | 16          | 03162              | 2           | Screw-HH            |
| 3           | 111-3485-03        | 2           | Bracket-Filter, Oil          | 17          | 09368              | 7           | Screw-HH            |
| 4           | 924708             | 1           | Pressure Filter ASM          | 18          | 03469              | 2           | Washer-Spring       |
| 4:1         | 924709             | 1           | Element-Filter, Pressure     | 19          | 09475              | 18          | Washer              |
| 4:2         | 924710             | 1           | Indicator-Filter, Pressure ● | 20          | 09472              | 4           | Washer-Plain        |
| 5           | 111-6095-03        | 1           | Plate-Latch, Bulkhead        | 21          | 09474              | 4           | Washer-Spring       |
| 6           | 924865             | 1           | Filter Return ASM            | 22          | 111-3926           | 1           | Plug                |
| 6:1         | 924692             | 1           | Element-Filter               | 22:1        | 63-06-111          | 1           | Seal-O Ring         |
| 6:2         | 950708             | 1           | Switch-Return, Filter ●      | 23          | 488023             | 1           | Pad-Foam, Short     |
| 9           | 09373              | 3           | Bolt-Coach                   | 25          | 09267              | 3           | Washer              |
| 11          | 09441              | 12          | Nut-Hex, NI                  | 26          | 111-4843-03        | 1           | Spacer-Oil Filter   |
| 12          | 09362              | 4           | Screw-HH                     | 27          | 111-6096-03        | 1           | Plate-Latch, Bonnet |
| 13          | 10-06-035          | 2           | Seal-Dowty                   |             |                    |             |                     |

● Not illustrated

## Cutter Component Assembly

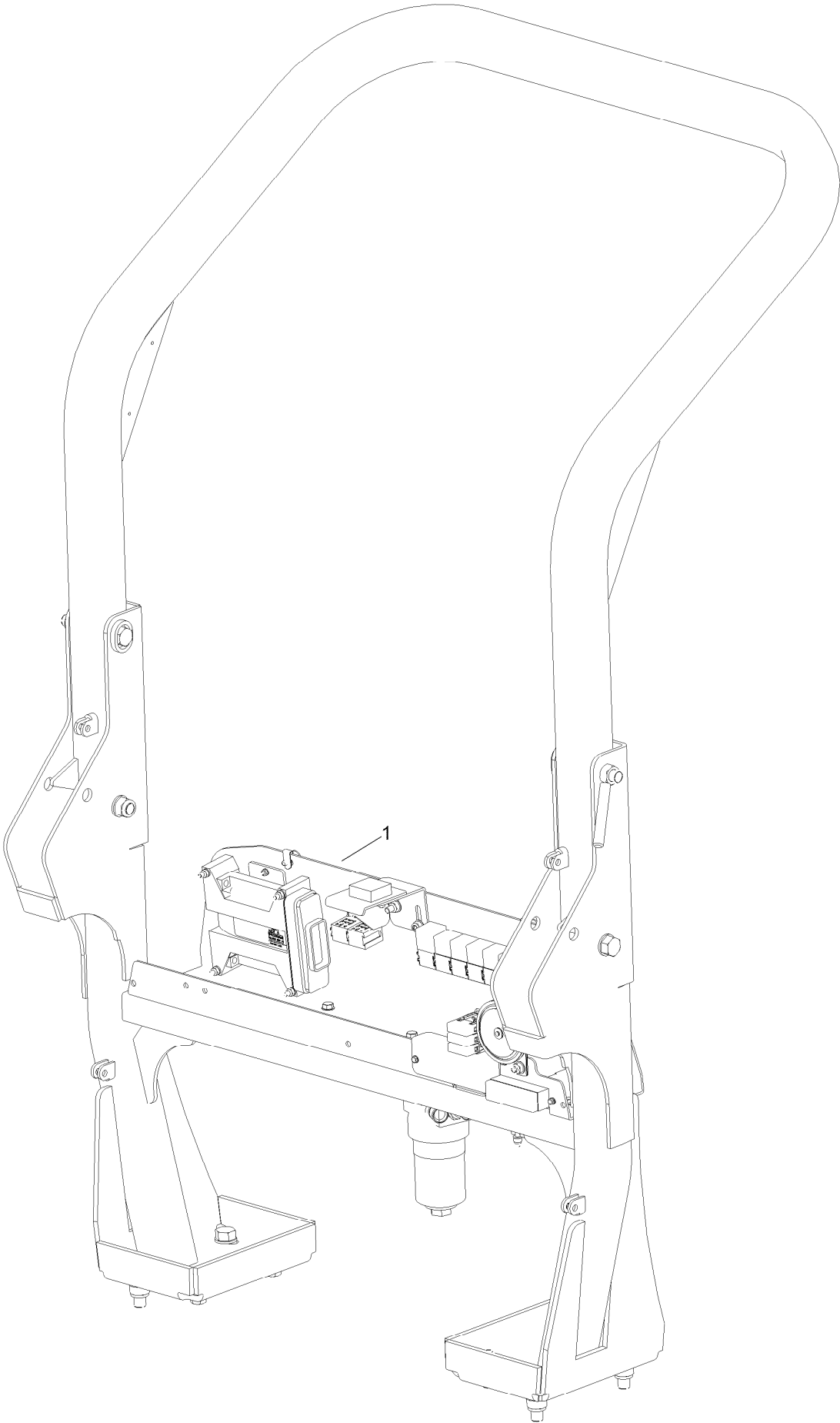


## Cutter Component Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|-----------------------------------|
| 1           | 63-06-104          | 6           | Adaptor-Bsp                       | 12:1        | 910704             | 1           | Seal Kit                          |
| 1:1         | 63-06-111          | 1           | Seal-O Ring                       | 13          | ZNN1J000U          | 10          | Nut-Hex, NI                       |
| 2           | 10-06-085          | 3           | Adaptor                           | 14          | 09430              | 12          | Nut-Nyloc                         |
| 3           | ZBK1J055U          | 6           | Bolt-CARR                         | 15          | 924420W            | 2           | Guard-Motor                       |
| 4           | 876041             | 3           | Bracket-Deflector, LH             | 16          | 10-06-030          | 3           | Seal-Dowty                        |
| 5           | 876042             | 3           | Bracket-Deflector, RH             | 17          | ZDH1E016U          | 12          | Screw-HH                          |
| 7           | 25-06-066          | 3           | Elbow-Bsp                         | 18          | 876049             | 6           | Spacer-Deflector                  |
| 8           | 876086W            | 1           | Guard-HOC, LH                     | 19          | 09479              | 30          | Washer                            |
| 9           | 876087W            | 1           | Guard-HOC, RH                     | 20          | 09470              | 24          | Washer                            |
| 10          | 15-11-003          | 4           | Bolt-CARR                         | 21          | HY922101           | 1           | Spanner-Adjuster,<br>Cutterhead ● |
| 11          | 910696             | 2           | Hydraulic Motor Assembly<br>(CW)  | 22          | 111-0177           | 3           | Deflector ASM Cab Kit             |
| 11:1        | 910704             | 1           | Seal Kit                          | 23          | 111-3927           | 2           | Boss-Adjuster                     |
| 12          | 940602             | 1           | Hydraulic Motor Assembly<br>(CCW) |             |                    |             |                                   |

● Not illustrated

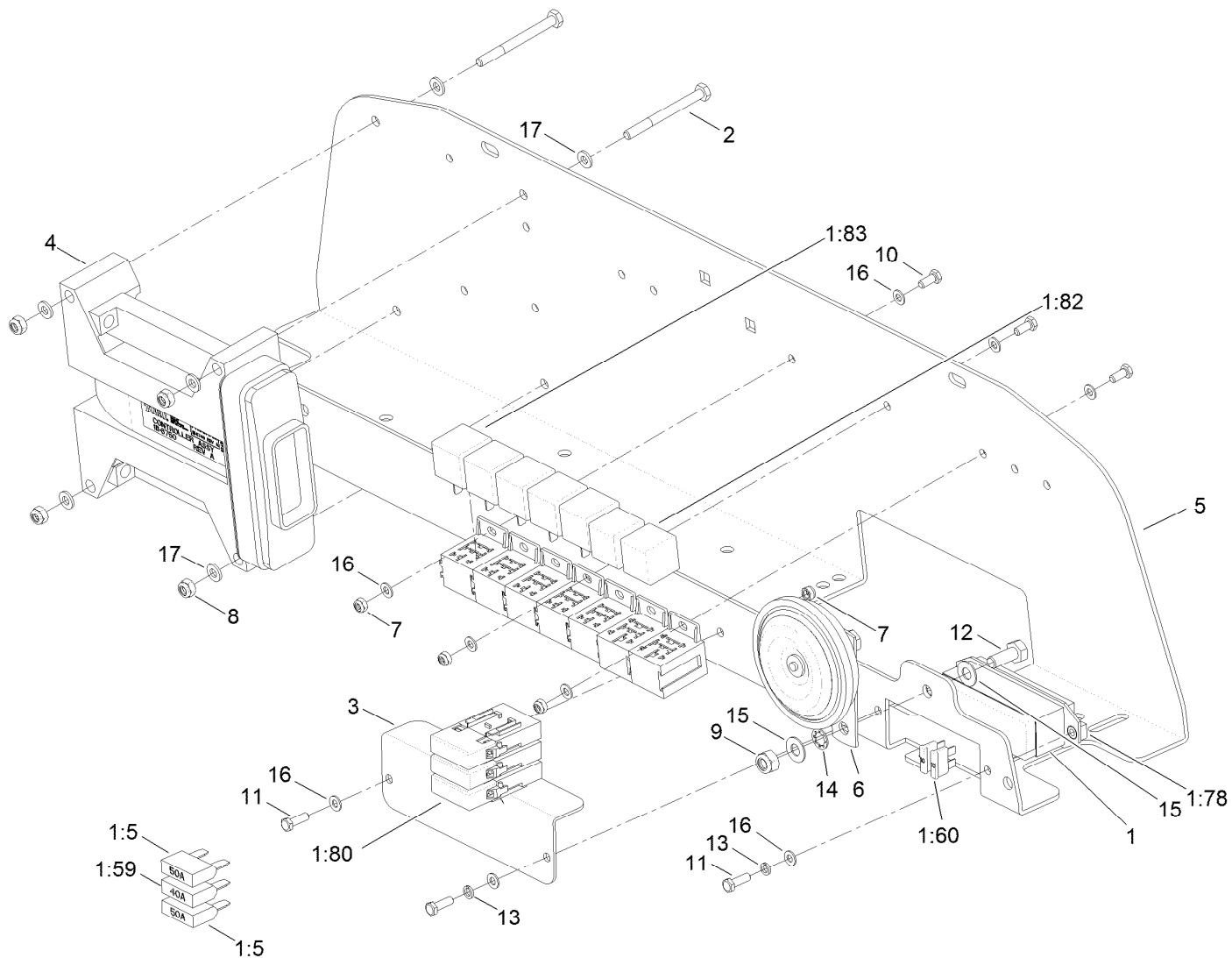
# Loom Kit



## Loom Kit (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 111-3647           | 1           | Loom Kit           |
| 99          | HY3966             | 30          | Tie-Cable ●        |

● Not illustrated

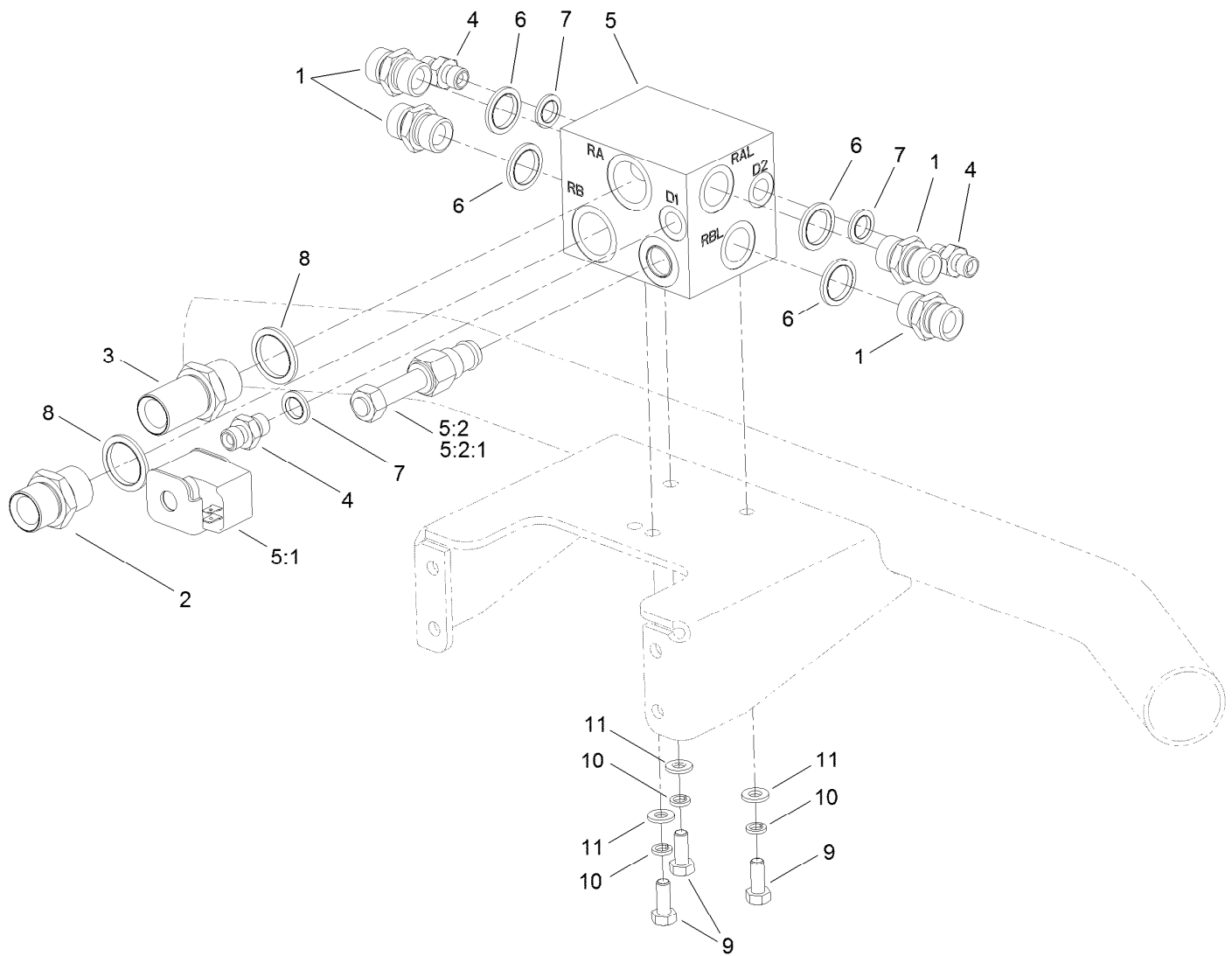


## Electrical Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 111-6461    | 1    | Harness-Main           |
| 1:5  | 995714      | 2    | Fuse-50A, Maxifuse     |
| 1:59 | 111-2898    | 1    | Fuse-40A, Maxifuse     |
| 1:60 | 70-09-026   | 3    | Fuse-10A               |
| 1:78 | 70-09-096   | 1    | Fuse Box-8 Way         |
| 1:80 | 111-0302    | 3    | Cover-Maxifuse         |
| 1:82 | 924625      | 2    | Relay-70A              |
| 1:83 | 111-0336    | 5    | Relay-30A              |
| 2    | 09703       | 4    | Bolt-HH                |
| 3    | 111-4842-03 | 1    | Bracket-Fuse           |
| 4    | 111-3763    | 1    | Controller ASM         |
| 5    | 111-3037-03 | 1    | Plate-Base, Electrical |
| 6    | 70-09-108   | 1    | Horn ASM               |

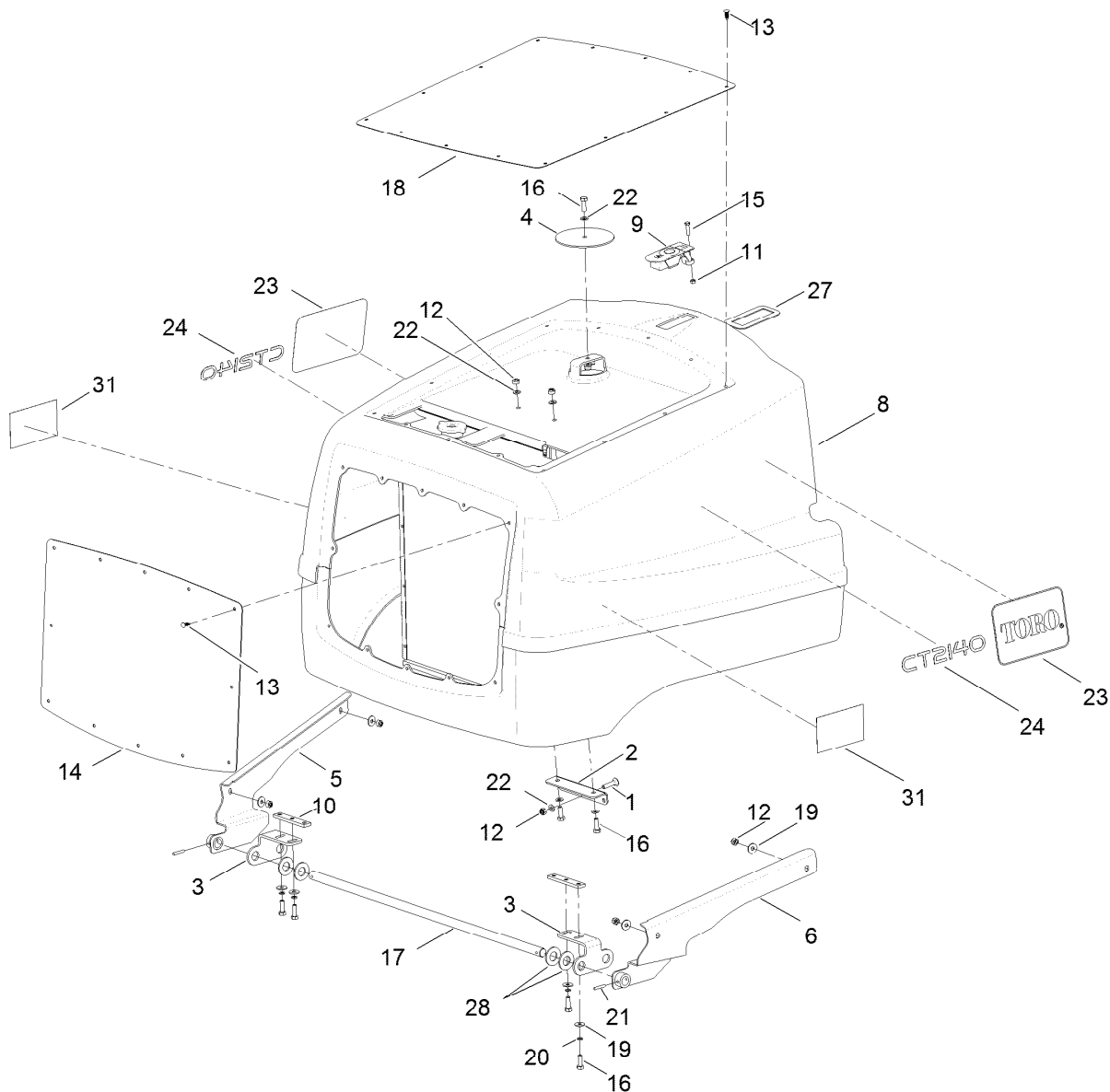
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 7    | 09430       | 4    | Nut-Nyloc              |
| 8    | 09438       | 4    | Nut-Nyloc              |
| 9    | 09441       | 1    | Nut-Hex, NI            |
| 10   | ZDH1E012U   | 3    | Screw-HH               |
| 11   | ZDH1E016U   | 3    | Screw-HH               |
| 12   | 09368       | 1    | Screw-HH               |
| 13   | 09644       | 2    | Washer-Spring          |
| 14   | 09476       | 2    | Washer-Shakeproof      |
| 15   | 09475       | 2    | Washer                 |
| 16   | 09470       | 10   | Washer                 |
| 17   | 09472       | 8    | Washer-Plain           |
| 99   | 111-6924    | 1    | Harness-Block, Cutter● |

● Not illustrated



## Rear Transmission Block Assembly

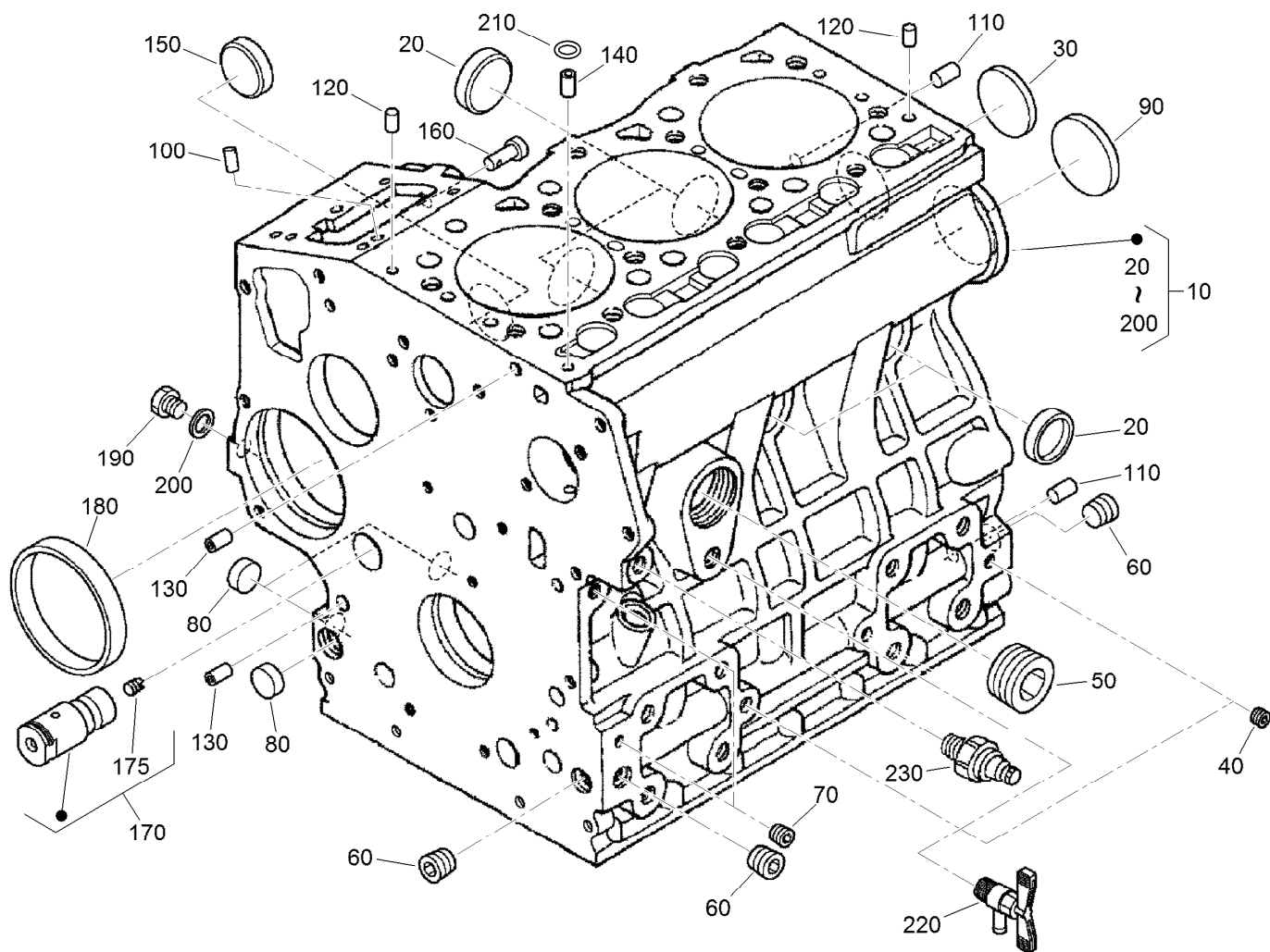
| Ref.  | Part Number | Qty. | Description                 |
|-------|-------------|------|-----------------------------|
| 1     | 10-06-078   | 4    | Adaptor-Bspp                |
| 2     | 10-06-044   | 1    | Adaptor-Bsp                 |
| 3     | 111-3641    | 1    | Adaptor-Bsp                 |
| 4     | 10-06-085   | 3    | Adaptor                     |
| 5     | 924687      | 1    | Manifold-Transmission, Rear |
| 5:1   | 910627      | 1    | Coil-Solenoid               |
| 5:2   | 924688      | 1    | Valve-2-Way, Solenoid       |
| 5:2:1 | 910642      | 1    | Seal Kit                    |
| 6     | 10-06-032   | 4    | Seal-Dowty                  |
| 7     | 10-06-030   | 3    | Seal-Dowty                  |
| 8     | 10-06-033   | 2    | Seal-Dowty                  |
| 9     | 09368       | 3    | Screw-HH                    |
| 10    | 03469       | 3    | Washer-Spring               |
| 11    | ZWP1H000U   | 3    | Washer-Plain                |



## Hood Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 09548       | 1    | Bolt-Coach                |
| 2    | 111-2111-03 | 1    | Bracket-Engine, Cover     |
| 3    | 111-3278-03 | 2    | Bracket-Pivot, Rear Cover |
| 4    | 111-3557-03 | 1    | Cover-Air Intake          |
| 5    | 111-3490-03 | 1    | Hinge-Cover, Engine (LH)  |
| 6    | 111-3491-03 | 1    | Hinge-Cover, Engine (RH)  |
| 8    | 111-6920    | 1    | Cover-Engine              |
| 9    | 950831      | 1    | Latch-Sealed, Lever       |
| 10   | 111-3281    | 2    | Bar-Nut                   |
| 11   | 09437       | 1    | Nut                       |
| 12   | 09441       | 8    | Nut-Hex, NI               |
| 13   | 114-4899    | 26   | Plug-Plastic              |
| 14   | 111-6919-03 | 1    | Screen-Rear               |

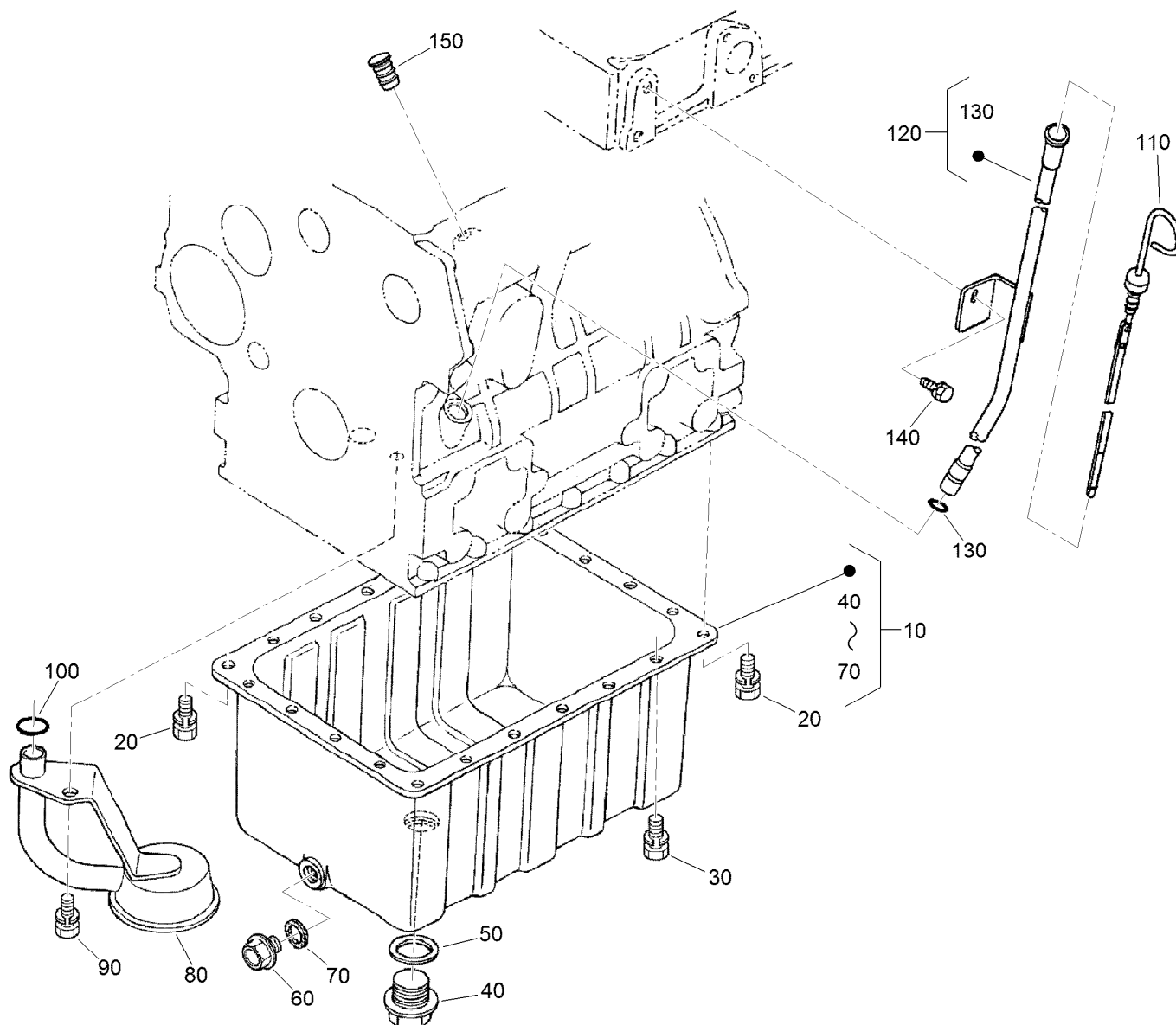
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 15   | 09364       | 1    | Screw-HH             |
| 16   | 03162       | 7    | Screw-HH             |
| 17   | 111-3486    | 1    | Shaft-Hinge, Cover   |
| 18   | 111-6918-03 | 1    | Screen-Top           |
| 19   | 09267       | 8    | Washer               |
| 20   | 03469       | 4    | Washer-Spring        |
| 21   | 09730       | 2    | Pin-Spiral           |
| 22   | ZWP1H000U   | 7    | Washer-Plain         |
| 23   | 111-3728    | 2    | Decal                |
| 24   | 111-3729    | 2    | Decal                |
| 27   | 111-4158-03 | 1    | Plate-Support, Latch |
| 28   | 09499       | 4    | Washer               |
| 31   | 94-8099     | 2    | Decal                |



## Crankcase Assembly

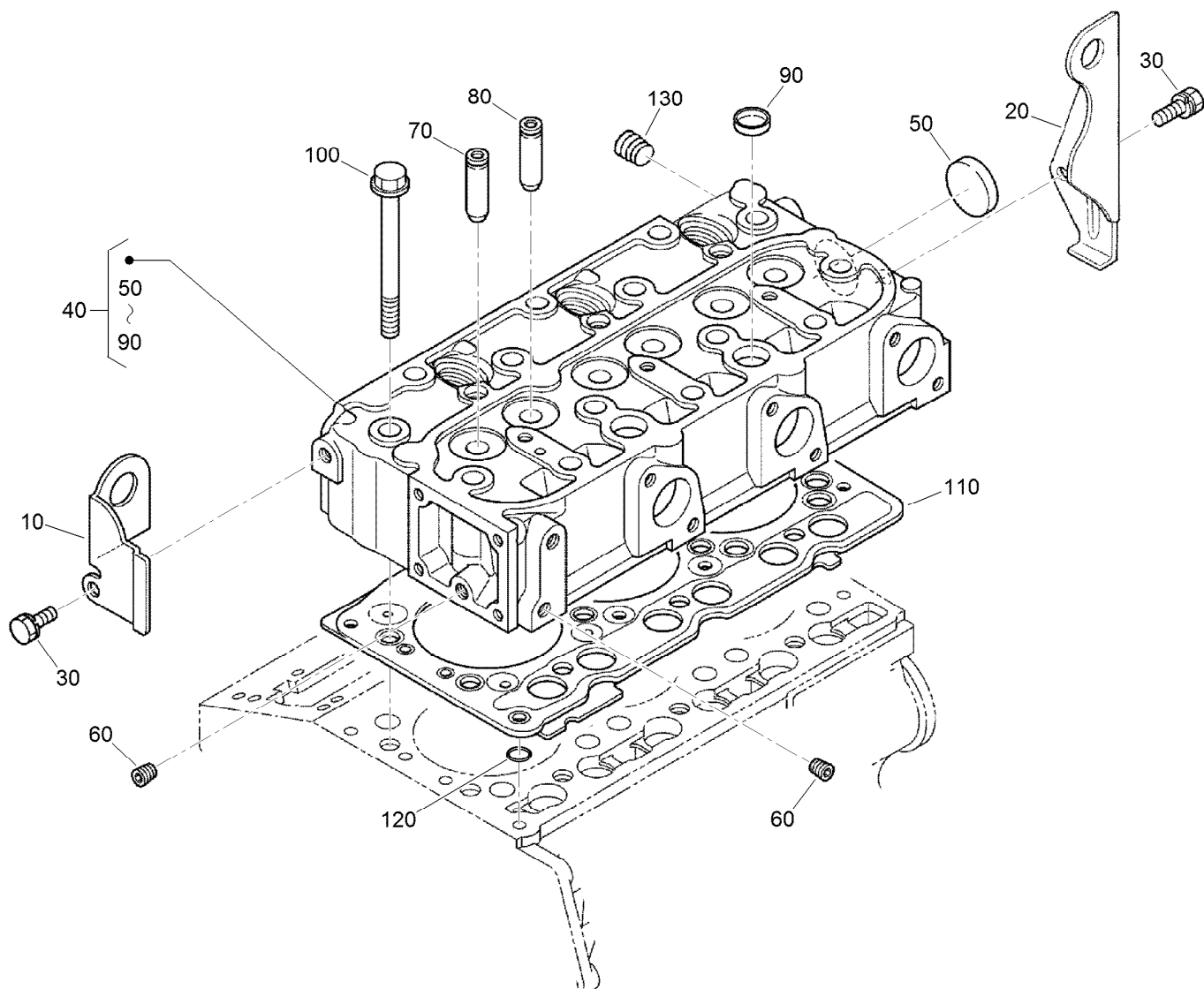
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 10   | 130-1566    | 1    | Crankcase ASM  |
| 20   | 98-9398     | 4    | Cap-Sealing    |
| 30   | 98-7539     | 1    | Cap-Sealing    |
| 40   | 98-9687     | 3    | Plug           |
| 50   | 105-3779    | 1    | Plug           |
| 60   | 98-9597     | 3    | Plug           |
| 70   | 98-7487     | 2    | Plug           |
| 80   | 98-9379     | 3    | Plug-Expansion |
| 90   | 98-9668     | 1    | Plug-Expansion |
| 100  | 98-9375     | 2    | Pin-Straight   |
| 110  | 98-9377     | 2    | Pin-Straight   |
| 120  | 98-9376     | 2    | Pin-Straight   |

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 130  | 98-9387     | 2    | Pin-Pipe               |
| 140  | 98-9539     | 1    | Pin-Pipe               |
| 150  | 98-9599     | 1    | Plug                   |
| 160  | 98-9630     | 1    | Pin-Spring, Start      |
| 170  | 130-1237    | 1    | Idler Shaft ASM        |
| 175  | 98-7449     | 1    | Screw-Set              |
| 180  | 98-9656     | 1    | Bushing-Governor, Gear |
| 190  | 98-7507     | 1    | Plug                   |
| 200  | 98-7428     | 1    | Gasket                 |
| 210  | 98-7509     | 1    | O-Ring                 |
| 220  | 98-9436     | 1    | Drain Cock ASM         |
| 230  | 98-7764     | 1    | Switch-Oil             |



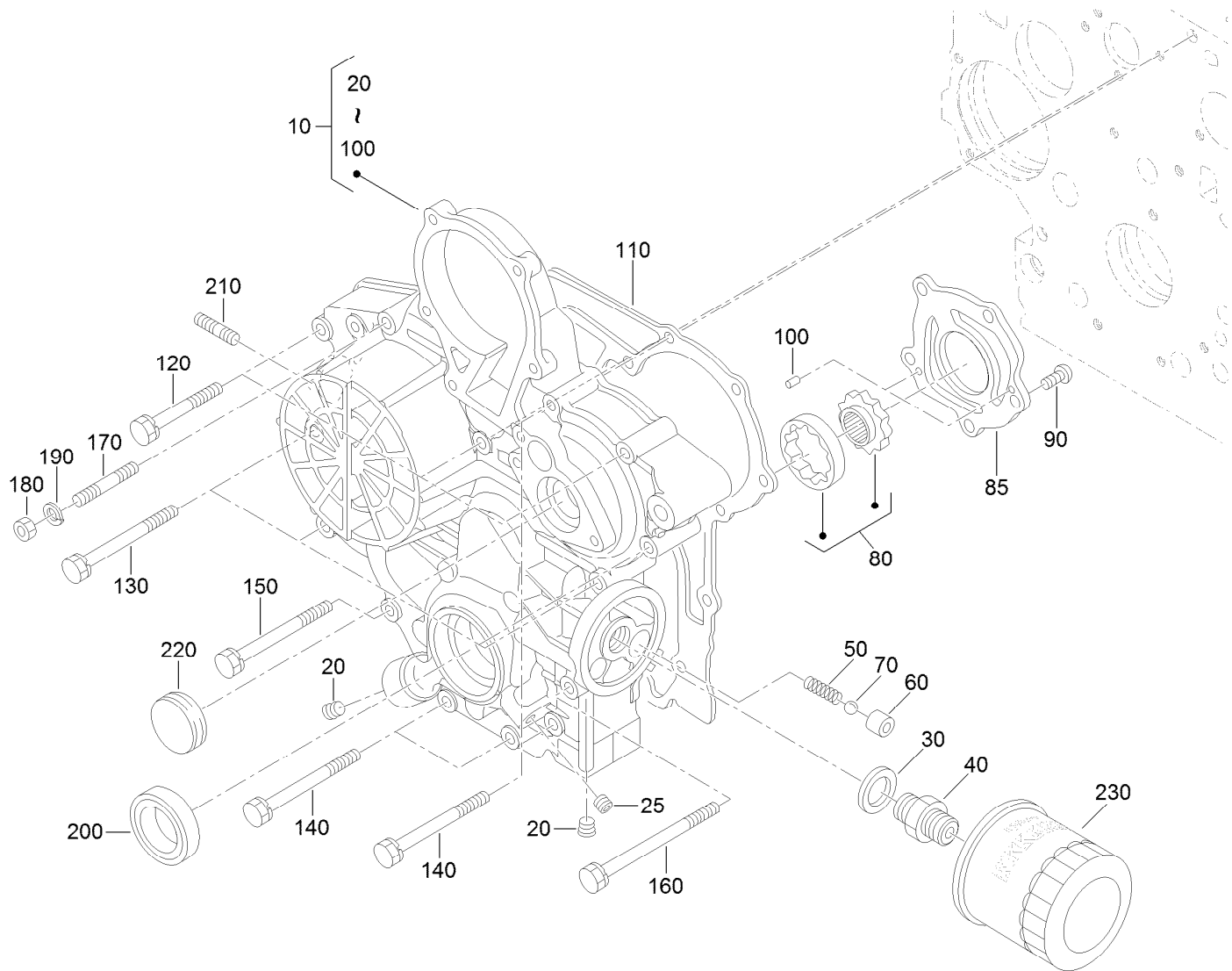
## Oil Pan, Pump and Dipstick Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 130-1282    | 1    | Oil Pan Kit         |
| 20   | 98-9351     | 2    | Bolt                |
| 30   | 98-9351     | 22   | Bolt                |
| 40   | 98-9686     | 1    | Plug-Drain          |
| 50   | 110-9715    | 1    | Gasket-Pan, Oil     |
| 60   | 114-8151    | 1    | Plug-Drain          |
| 70   | 98-7524     | 1    | Gasket              |
| 80   | 115-4116    | 1    | Filter-Oil          |
| 90   | 98-7526     | 1    | Bolt                |
| 100  | 105-3776    | 1    | O-Ring              |
| 110  | 120-3124    | 1    | Gauge-Oil           |
| 120  | 98-9672     | 1    | Oil Gauge Guide ASM |
| 130  | 98-9722     | 1    | O-Ring              |
| 140  | 100-9195    | 1    | Bolt                |
| 150  | 110-3720    | 1    | Plug-Gauge, Oil     |



## Cylinder Head Assembly

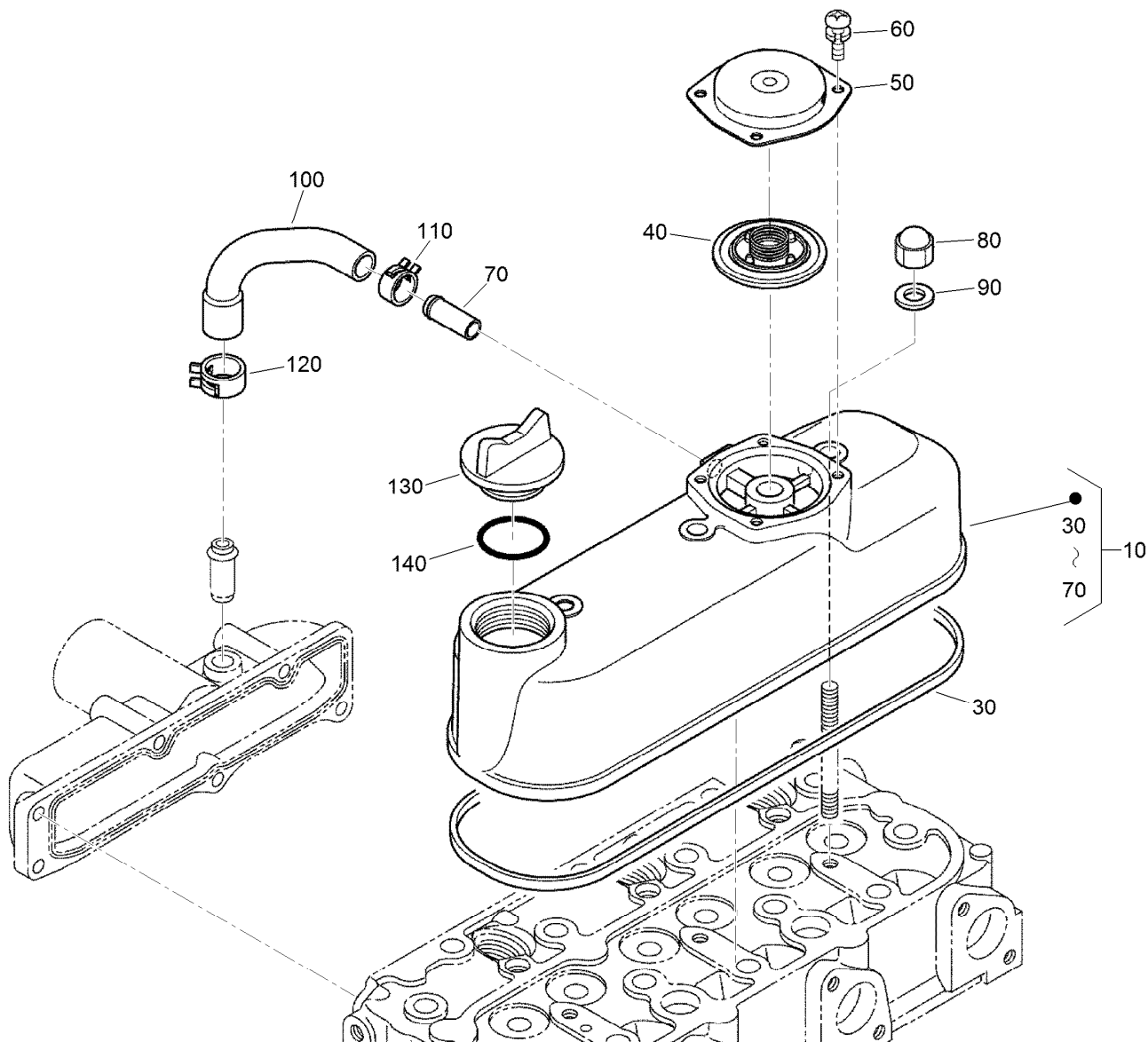
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 130-1231    | 1    | Hook-Engine           |
| 20   | 98-9478     | 1    | Hook-Engine           |
| 30   | 100-9195    | 2    | Bolt                  |
| 40   | 115-3445    | 1    | Cylinder Head ASM     |
| 50   | 105-3705    | 1    | Cap-Sealing           |
| 60   | 98-9687     | 2    | Plug                  |
| 70   | 107-9066    | 3    | Guide-Valve, Inlet    |
| 80   | 107-9067    | 3    | Guide-Valve, Exhaust  |
| 90   | 98-9389     | 2    | Cap-Sealing           |
| 100  | 98-9479     | 14   | Bolt-Head, Cylinder   |
| 110  | 98-9613     | 1    | Gasket-Head, Cylinder |
| 110  | 108-6573    | 1    | Gasket-Head, Cylinder |
| 120  | 98-7509     | 1    | O-Ring                |
| 130  | 98-9444     | 1    | Plug                  |



## Gear Case and Oil Filter Cartridge Assembly

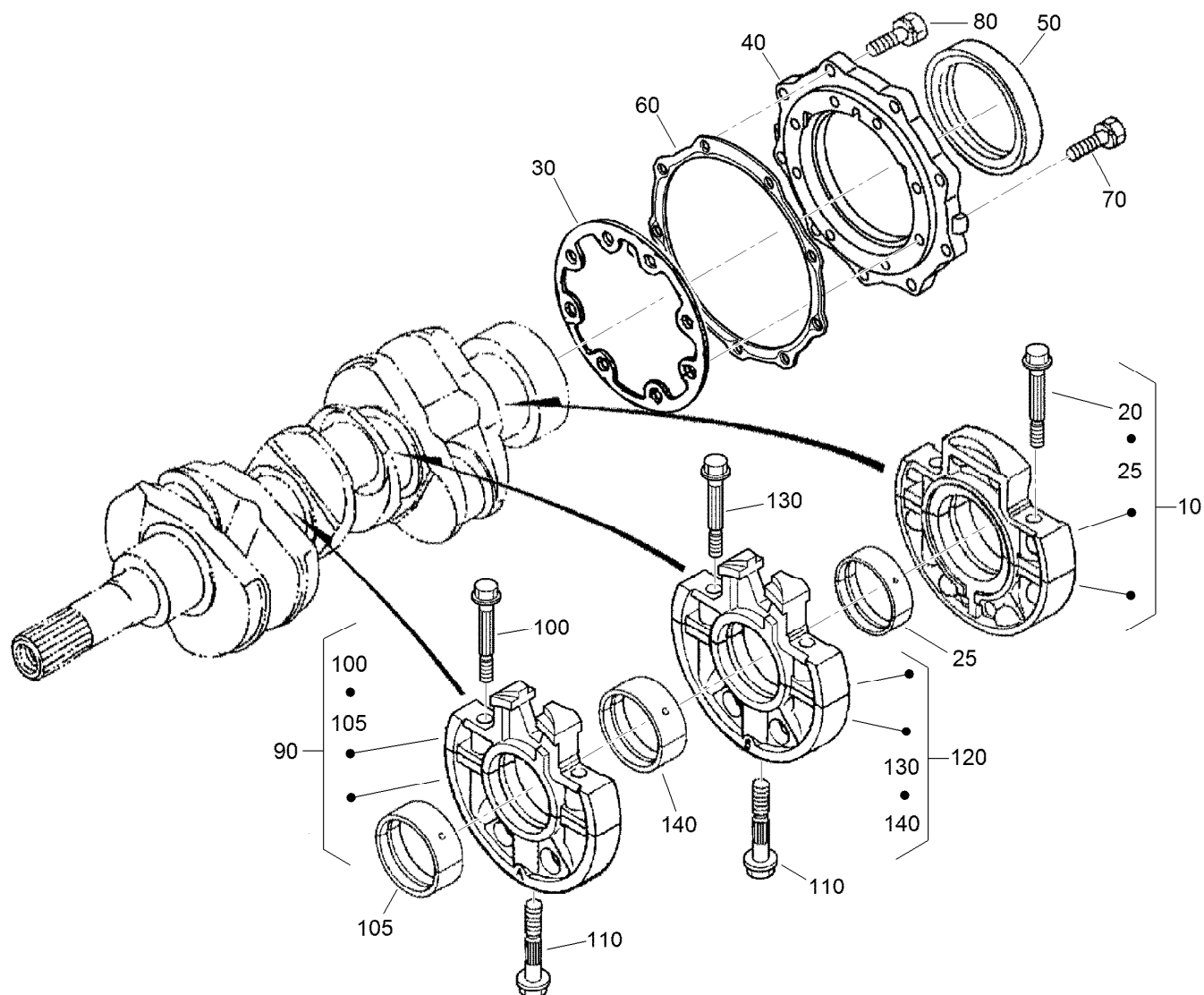
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 115-4105    | 1    | Gear Case ASM      |
| 20   | 98-9598     | 2    | Plug               |
| 25   | 98-7487     | 1    | Plug               |
| 30   | 98-7562     | 1    | Washer-Plain       |
| 40   | 98-9388     | 1    | Joint-Pipe         |
| 50   | 98-9544     | 1    | Spring             |
| 60   | 98-9543     | 1    | Seat-Valve         |
| 70   | 98-9380     | 1    | Ball               |
| 80   | 98-9540     | 1    | Oil Pump Rotor ASM |
| 85   | 107-9069    | 1    | Cover-Pump, Oil    |
| 90   | 107-9071    | 5    | Screw              |
| 100  | 107-9072    | 2    | Pin-Straight       |
| 110  | 98-9633     | 1    | Gasket-Case, Gear  |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 120  | 100-1765    | 3    | Bolt                  |
| 130  | 125-9063    | 4    | Bolt-Sems             |
| 140  | 98-9356     | 4    | Bolt                  |
| 150  | 107-9074    | 1    | Bolt                  |
| 160  | 98-9586     | 1    | Bolt                  |
| 170  | 105-3709    | 1    | Stud                  |
| 180  | 100-2203    | 1    | Nut-Flange            |
| 190  | 98-7699     | 1    | Washer-Spring         |
| 200  | 119-8038    | 1    | Seal-Oil              |
| 210  | 105-3710    | 2    | Stud                  |
| 220  | 98-9641     | 1    | Cover-Case, Gear      |
| 230  | 130-1569    | 1    | Cartridge-Filter, Oil |



## Cylinder Head Cover Assembly

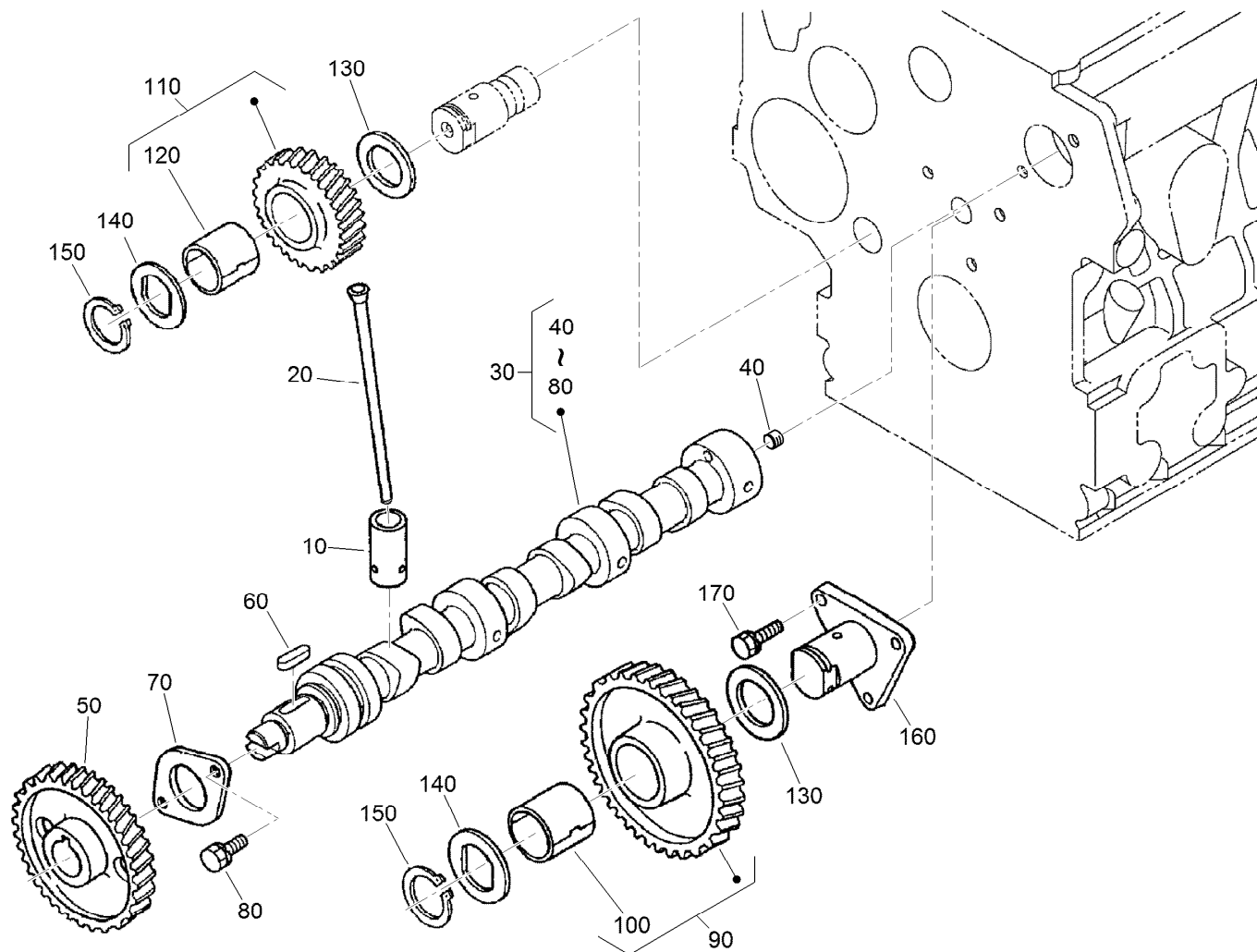
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 130-1372    | 1    | Cylinder Head Cover ASM |
| 30   | 130-1249    | 1    | Gasket-Head Cover       |
| 40   | 110-3715    | 1    | Valve-Breather          |
| 50   | 110-3714    | 1    | Cover-Breather          |
| 60   | 98-9364     | 4    | Screw (With Washer)     |
| 70   | 98-7766     | 1    | Pipe-Return, Water      |
| 80   | 98-9455     | 3    | Nut-Cap                 |
| 90   | 98-9454     | 3    | Gasket                  |
| 100  | 108-2858    | 1    | Tube-Breather           |
| 110  | 108-2859    | 1    | Clamp-Hose              |
| 120  | 108-2860    | 1    | Clamp-Hose              |
| 130  | 107-9075    | 1    | Plug-Filler, Oil        |
| 140  | 99-3446     | 1    | O-Ring                  |



## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 10   | 112-7026    | 1    | Wheel Bearing Case ASM    |
| 20   | 98-9484     | 2    | Bolt-Case, Bearing        |
| 25   | 115-4121    | 1    | Metal-Crankshaft (STD)    |
| 25   | 112-7039    | 1    | Metal-Crankshaft (0.2Mm)  |
| 25   | 112-7040    | 1    | Metal-Crankshaft (-0.4Mm) |
| 30   | 127-0440    | 1    | Gasket-Case, Bearing      |
| 40   | 112-7046    | 1    | Cover-Case, Bearing       |
| 50   | 112-0180    | 1    | Seal-Oil                  |
| 60   | 98-9635     | 1    | Gasket-Cover, Bearing     |
| 70   | 127-0441    | 8    | Bolt                      |
| 80   | 127-0442    | 9    | Bolt                      |

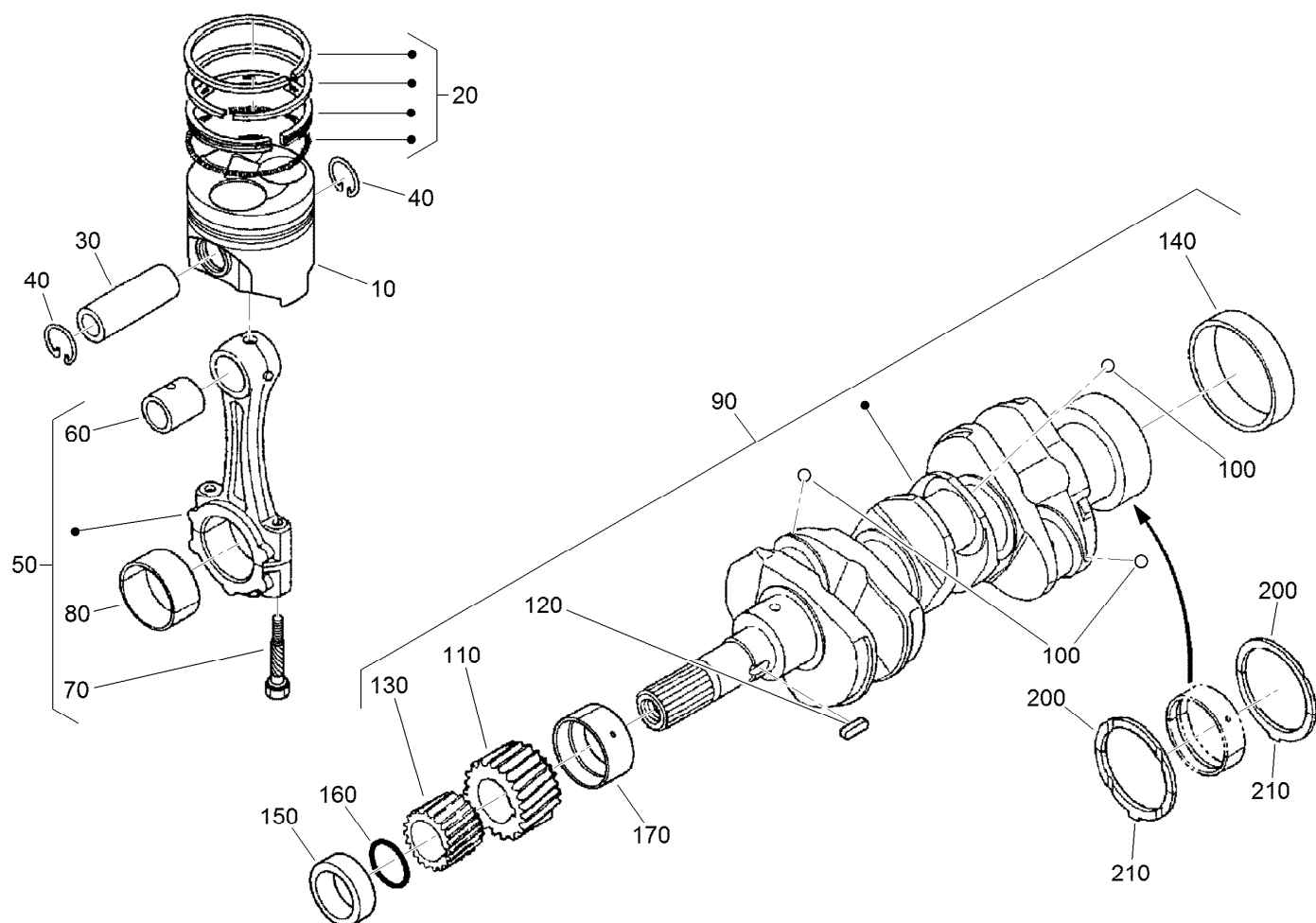
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 90   | 115-4106    | 1    | Main Bearing Case ASM      |
| 100  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 105  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 105  | 127-0433    | 1    | Metal-Crankshaft (-0.2Mm)  |
| 105  | 98-9531     | 1    | Bearing-Main (0.4Mm)       |
| 110  | 98-9485     | 2    | Bolt-Case, Bearing         |
| 120  | 115-4107    | 1    | Main Bearing Case ASM      |
| 130  | 98-9484     | 2    | Bolt-Case, Bearing         |
| 140  | 98-9524     | 1    | Metal-Crankshaft (STD Set) |
| 140  | 127-0433    | 1    | Metal-Crankshaft (-0.2Mm)  |
| 140  | 98-9531     | 1    | Bearing-Main (0.4Mm)       |



## Camshaft and Idle Gear Shaft Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 112-0185    | 6    | Tappet           |
| 20   | 127-0421    | 6    | Rod-Push         |
| 30   | 130-1250    | 1    | Camshaft ASM     |
| 40   | 110-3729    | 1    | Ball             |
| 50   | 98-9512     | 1    | Gear-Cam         |
| 60   | 98-9378     | 1    | Key-Feather      |
| 70   | 98-9510     | 1    | Stopper-Camshaft |
| 80   | 98-7692     | 2    | Bolt             |
| 90   | 117-7584    | 1    | Idler Gear ASM   |

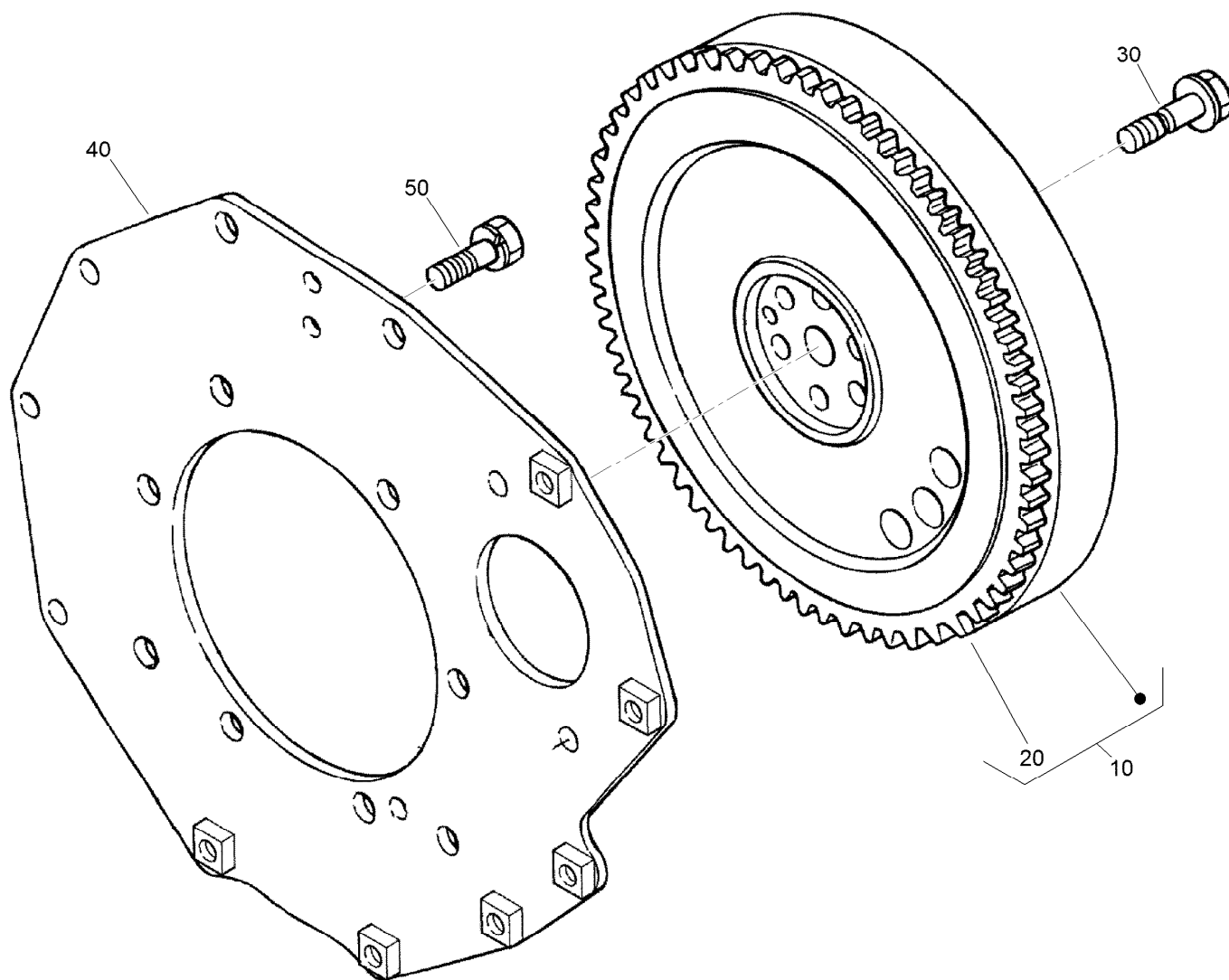
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 100  | 117-7585    | 1    | Bushing-Gear, Idle |
| 110  | 130-1259    | 1    | Idler Gear ASM     |
| 120  | 117-7585    | 1    | Bushing-Gear, Idle |
| 130  | 98-9535     | 2    | Collar-Gear, Idle  |
| 140  | 98-9536     | 2    | Collar-Gear, Idle  |
| 150  | 98-9534     | 2    | Circlip-Gear, Idle |
| 160  | 98-9533     | 1    | Shaft-Gear, Idle   |
| 170  | 98-7692     | 3    | Bolt               |



## Piston and Crankshaft Assembly

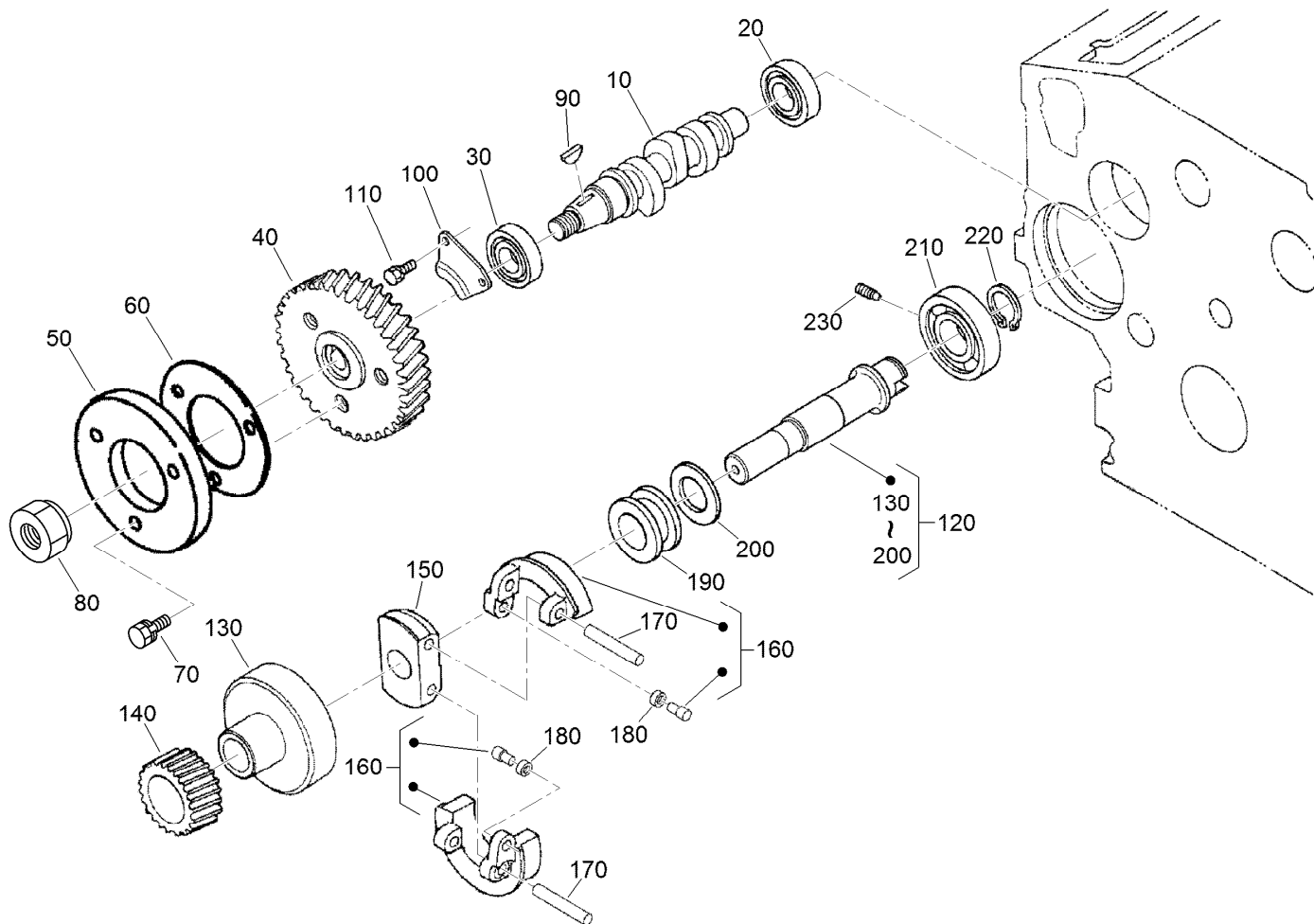
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 112-8404    | 3    | Piston (STD)            |
| 10   | 112-8414    | 3    | Piston (+0.5Mm)         |
| 20   | 98-9618     | 3    | Piston Ring ASM (STD)   |
| 20   | 98-9619     | 3    | Piston Ring ASM (0.5Mm) |
| 30   | 98-9513     | 3    | Pin-Piston              |
| 40   | 98-9514     | 6    | Circlip-Pin, Piston     |
| 50   | 117-7586    | 3    | Connecting Rod ASM      |
| 60   | 115-3014    | 3    | Bushing-Pin, Piston     |
| 70   | 98-9517     | 6    | Bolt-Rod, Connecting    |
| 80   | 98-9553     | 3    | Bearing-Rod (STD)       |
| 80   | 117-7587    | 3    | Metal-Crankpin (-0.2Mm) |
| 80   | 117-7588    | 3    | Metal-Crankpin (-0.4Mm) |
| 90   | 98-9642     | 1    | Crankshaft ASM          |
| 100  | 110-3729    | 3    | Ball                    |
| 110  | 117-7561    | 1    | Gear-Crankshaft         |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 120  | 98-9666     | 1    | Key                        |
| 130  | 127-0445    | 1    | Gear-Drive, Oil Pump       |
| 140  | 98-9522     | 1    | Sleeve-Crankshaft          |
| 150  | 127-0444    | 1    | Collar-Crankshaft          |
| 160  | 105-3783    | 1    | O-Ring                     |
| 170  | 112-7005    | 1    | Bearing-Main (STD)         |
| 170  | 98-9528     | 1    | Bearing-Main (-0.2Mm)      |
| 170  | 130-1274    | 1    | Metal-Crankshaft (-0.40Mm) |
| 200  | 98-9413     | 2    | Bearing-Thrust (STD)       |
| 200  | 127-0416    | 2    | Metal-Side (+0.2Mm)        |
| 200  | 127-0417    | 2    | Metal-Side (+0.40Mm)       |
| 210  | 98-9688     | 2    | Bearing-Thrust (STD)       |
| 210  | 127-0437    | 2    | Metal-Side (+0.2Mm)        |
| 210  | 127-0438    | 2    | Metal-Side (+0.40Mm)       |



## Flywheel Assembly

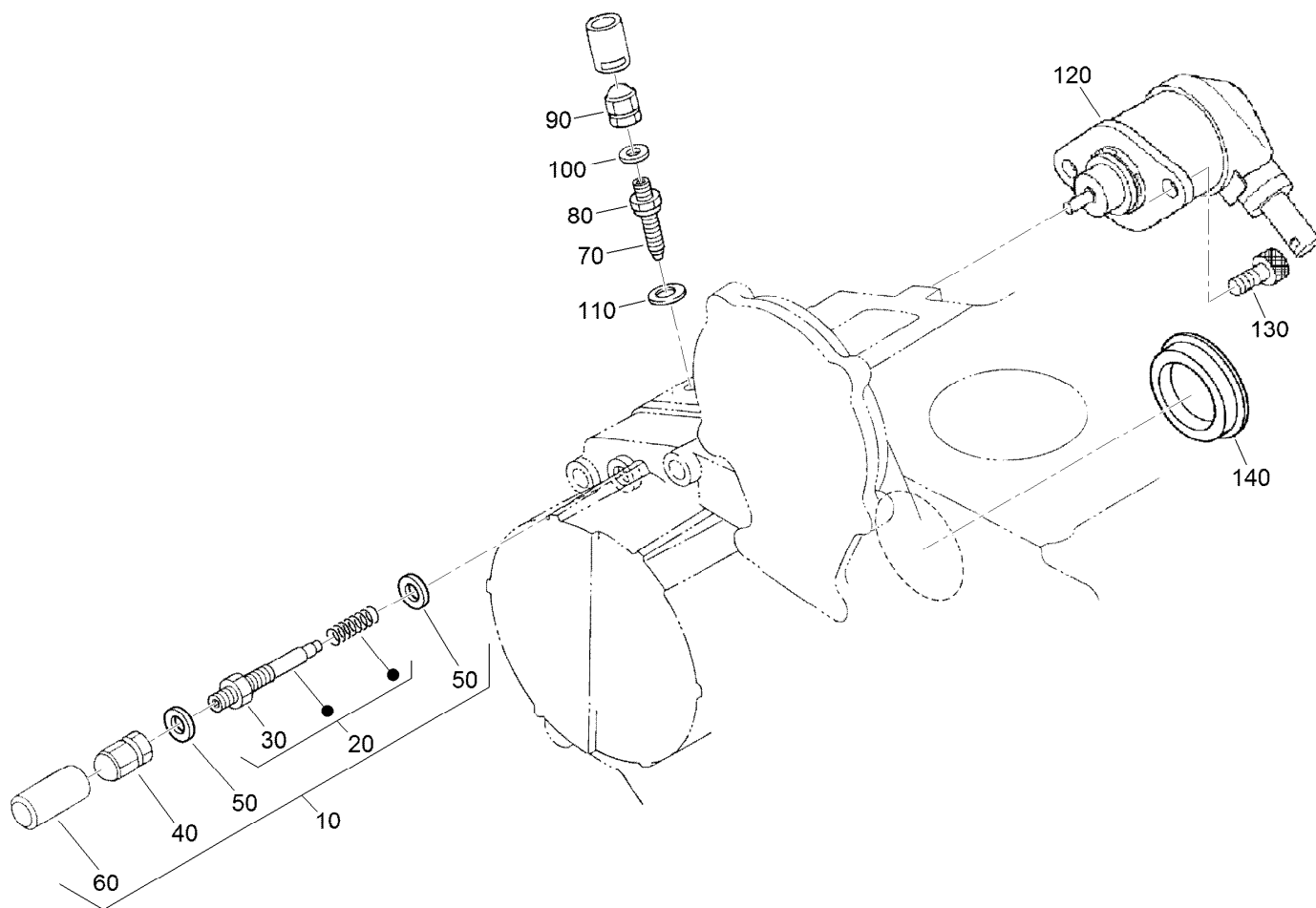
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 10   | 105-3784    | 1    | Flywheel ASM    |
| 20   | 115-3015    | 1    | Gear-Ring       |
| 30   | 98-9537     | 6    | Bolt-Flywheel   |
| 40   | 98-9486     | 1    | Plate-End, Rear |
| 50   | 98-9392     | 8    | Bolt            |



## Fuel Camshaft and Governor Shaft Assembly

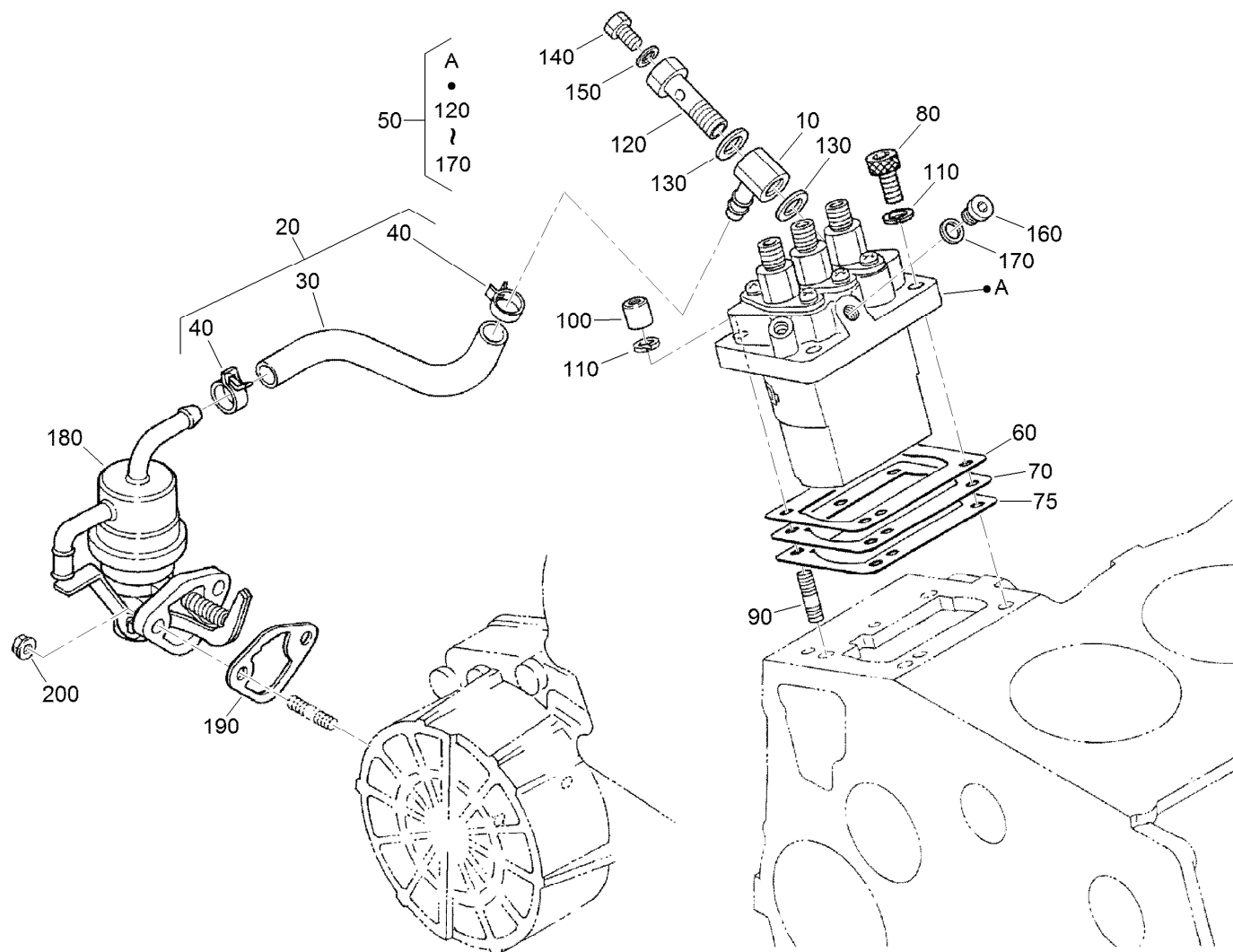
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 98-9459     | 1    | Camshaft-Fuel          |
| 20   | 107-9077    | 1    | Bearing-Ball           |
| 30   | 107-9078    | 1    | Bearing-Ball           |
| 40   | 98-9669     | 1    | Gear-Pump, Injection   |
| 50   | 130-1239    | 1    | Cam-Fuel               |
| 60   | 98-9548     | 1    | Washer                 |
| 70   | 98-9350     | 3    | Bolt                   |
| 80   | 130-1512    | 1    | Nut                    |
| 90   | 98-9595     | 1    | Key-Woodruff           |
| 100  | 98-9511     | 1    | Stopper-Fuel, Camshaft |
| 110  | 98-7692     | 2    | Bolt                   |
| 120  | 130-1252    | 1    | Governor Shaft ASM     |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 130  | 98-9562     | 1    | Holder-Gear, Governor   |
| 140  | 130-1264    | 1    | Gear-Governor           |
| 150  | 98-9561     | 1    | Holder-Weight, Governor |
| 160  | 130-1263    | 2    | Governor Weight ASM     |
| 170  | 98-9560     | 2    | Shaft-Weight, Governor  |
| 180  | 98-9692     | 2    | Roller                  |
| 190  | 98-9563     | 1    | Sleeve-Governor         |
| 200  | 98-9564     | 1    | Washer-Thrust           |
| 210  | 107-9079    | 1    | Bearing-Ball            |
| 220  | 98-9657     | 1    | Circlip-Shaft, Governor |
| 230  | 98-9565     | 1    | Screw-Set               |



## Idle Apparatus and Stop Solenoid Assembly

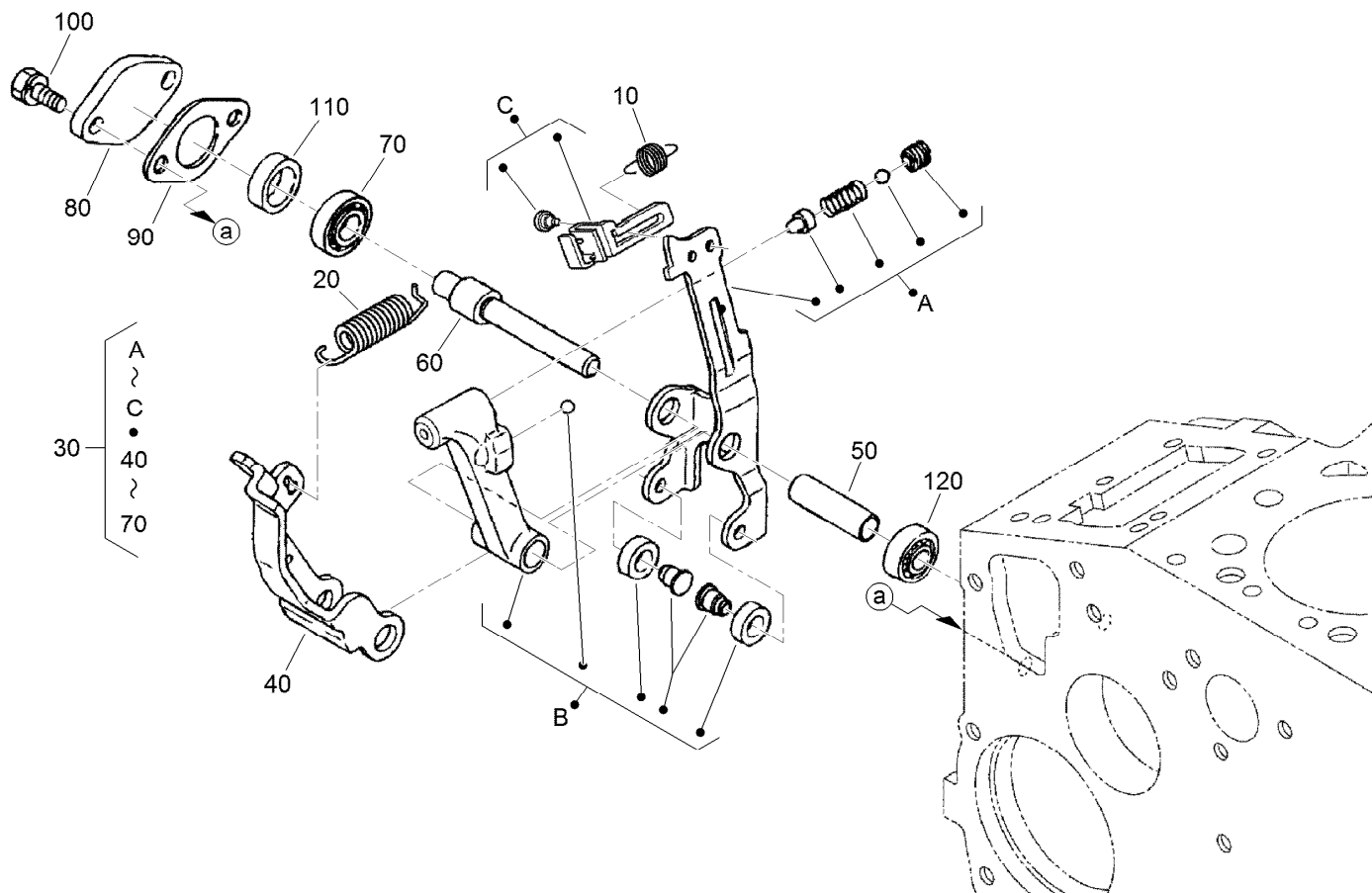
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-9678     | 1    | Idle Apparatus ASM |
| 20   | 112-7014    | 1    | Adjusting Bolt ASM |
| 30   | 98-9439     | 1    | Nut                |
| 40   | 112-0181    | 1    | Nut                |
| 50   | 98-7654     | 2    | Gasket             |
| 60   | 98-7656     | 1    | Cap                |
| 70   | 112-7015    | 1    | Bolt-Adjusting     |
| 80   | 100-2175    | 1    | Nut-Lock           |
| 90   | 112-0181    | 1    | Nut                |
| 100  | 98-7654     | 1    | Gasket             |
| 110  | 107-9081    | 1    | Gasket             |
| 120  | 104-5155    | 1    | Solenoid-Stop      |
| 130  | 130-1155    | 2    | Screw-HSH          |
| 140  | 112-7016    | 1    | Cover-Pump         |



## Injection Pump and Fuel Pump Assembly

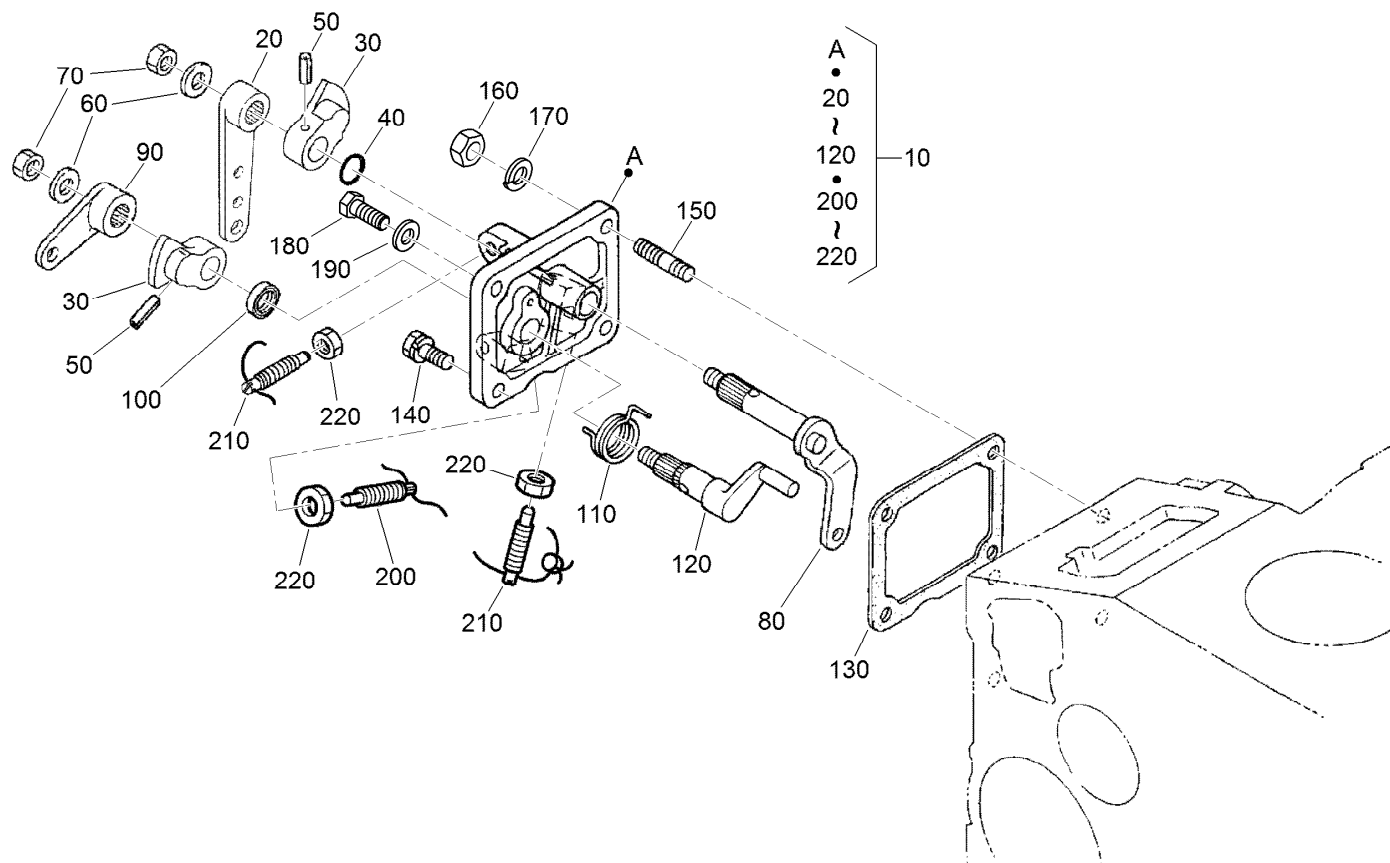
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 98-9596     | 1    | Joint-Eye                |
| 20   | 98-9467     | 1    | Fuel Pipe ASM            |
| 30   | 98-9384     | 1    | Tube-Fuel                |
| 40   | 100-2217    | 2    | Clip-Pipe                |
| 50   | 98-9643     | 1    | Injection Pump ASM       |
| 60   | 115-3045    | 1    | Shim-Injection (0.175Mm) |
| 70   | 98-9456     | 1    | Shim-Injection (0.20Mm)  |
| 70   | 98-9457     | 1    | Shim-Injection (0.25Mm)  |
| 75   | 115-3046    | 1    | Shim-Injection (0.35Mm)  |
| 75   | 98-9458     | 1    | Shim-Injection (0.30Mm)  |
| 80   | 117-7564    | 2    | Bolt-Hex Soc HD          |
| 90   | 98-9438     | 2    | Stud                     |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 100  | 98-9440     | 2    | Nut-Cap           |
| 110  | 98-7699     | 4    | Washer-Spring     |
| 120  | 98-9464     | 1    | Bolt-Joint        |
| 130  | 98-9445     | 2    | Gasket            |
| 140  | 98-9430     | 1    | Screw             |
| 150  | 98-9446     | 1    | Gasket            |
| 160  | 98-9466     | 1    | Plug              |
| 170  | 98-9451     | 1    | Gasket            |
| 180  | 98-9677     | 1    | Fuel Pump ASM     |
| 190  | 117-7562    | 1    | Gasket-Pump, Fuel |
| 200  | 100-2203    | 2    | Nut-Flange        |



## Governor Assembly

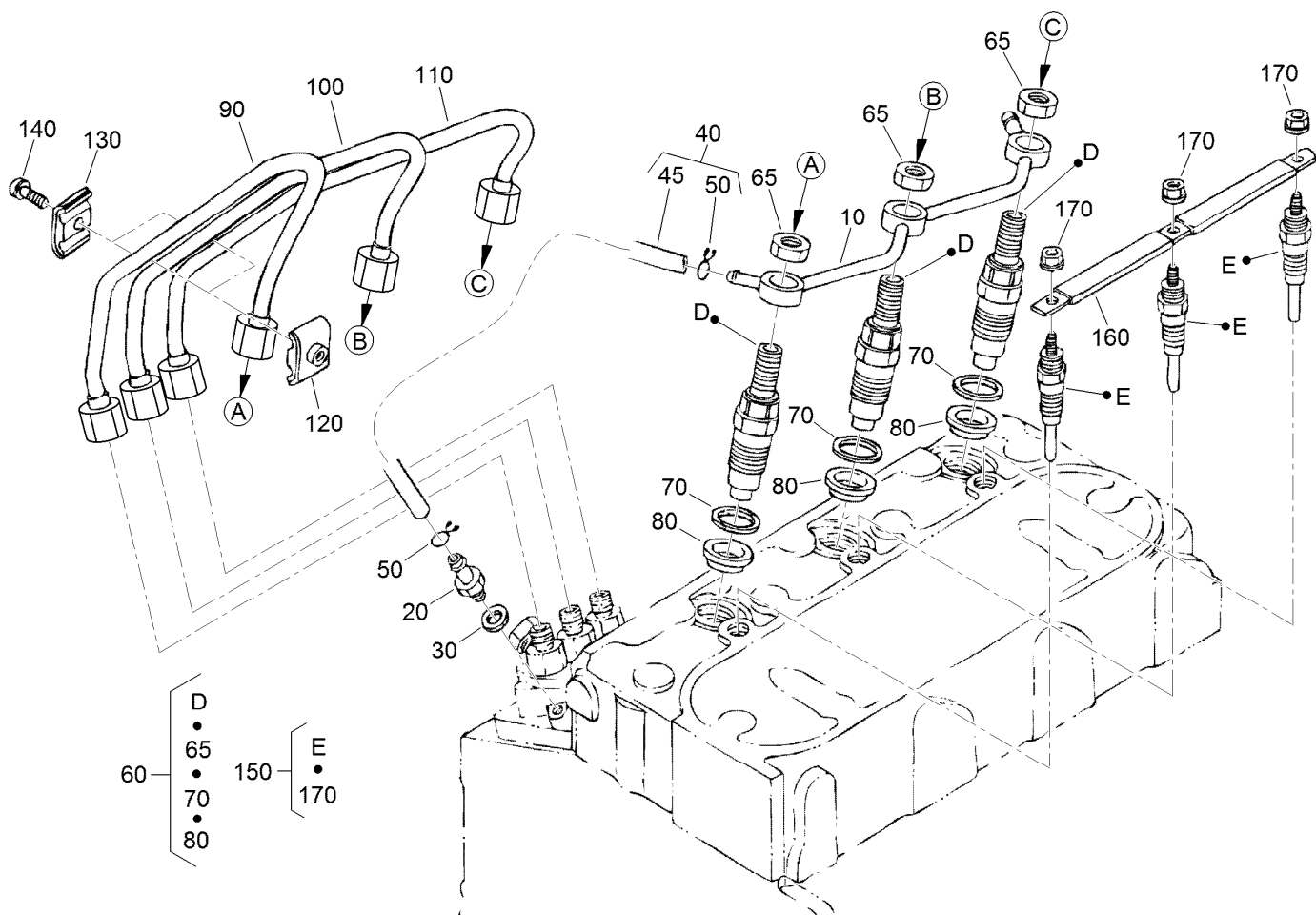
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 105-3786    | 1    | Spring-Start            |
| 20   | 98-9681     | 1    | Spring-Governor         |
| 30   | 112-7015    | 1    | Bolt-Adjusting          |
| 40   | 107-9084    | 1    | Lever-Fork              |
| 50   | 107-9085    | 1    | Shaft-Lever, Fork       |
| 60   | 107-9086    | 1    | Shaft-Lever, Fork       |
| 70   | 98-9570     | 1    | Bearing-Miniaturize     |
| 80   | 115-4122    | 1    | Cover-Shaft, Fork Lever |
| 90   | 98-9682     | 1    | Gasket                  |
| 100  | 98-9351     | 2    | Bolt                    |
| 110  | 98-9567     | 1    | Collar                  |
| 120  | 98-9571     | 1    | Bearing-Miniaturize     |



## Speed Control Plate Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9661     | 1    | Control Plate ASM    |
| 20   | 98-9662     | 1    | Lever-Control, Speed |
| 30   | 98-9572     | 2    | Lever-Control, Speed |
| 40   | 105-3788    | 1    | O-Ring               |
| 50   | 98-7602     | 2    | Pin-Spring           |
| 60   | 98-9594     | 2    | Washer-Plain         |
| 70   | 98-9589     | 2    | Nut                  |
| 80   | 98-9658     | 1    | Governor Lever ASM   |
| 90   | 98-9663     | 1    | Lever-Stop, Engine   |
| 100  | 98-7601     | 1    | Seal-Oil             |
| 110  | 98-9472     | 1    | Spring-Return        |

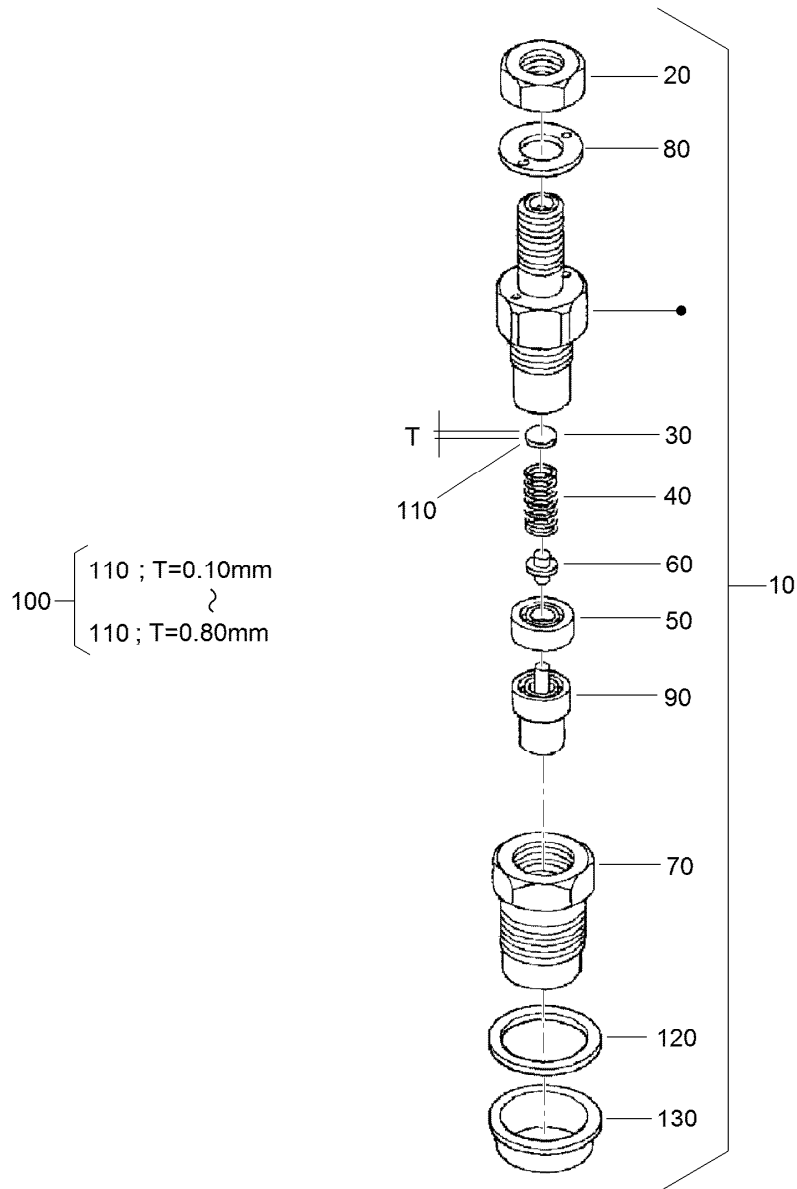
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 120  | 98-9664     | 1    | Shaft-Lever, Stop |
| 130  | 98-9637     | 1    | Gasket            |
| 140  | 98-7692     | 1    | Bolt              |
| 150  | 105-3710    | 2    | Stud              |
| 160  | 100-2203    | 2    | Nut-Flange        |
| 170  | 98-7699     | 2    | Washer-Spring     |
| 180  | 127-0401    | 1    | Bolt-Hex          |
| 190  | 98-7654     | 1    | Gasket            |
| 200  | 117-7566    | 1    | Bolt-Adjusting    |
| 210  | 117-7565    | 2    | Bolt-Adjusting    |
| 220  | 98-7572     | 3    | Nut               |



## Nozzle Holder and Glow Plug Assembly

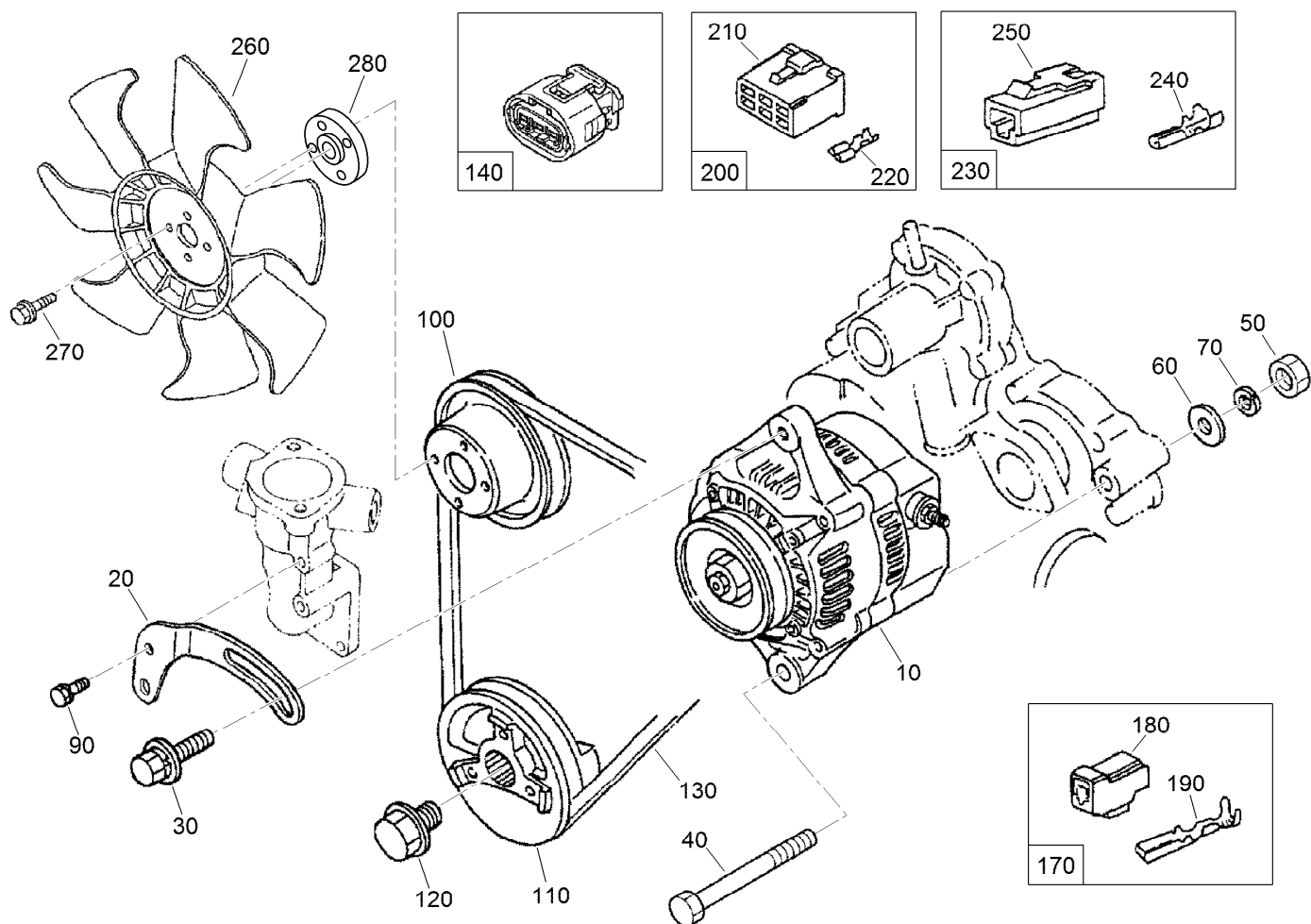
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 10   | 98-9620     | 1    | Overflow Pipe ASM  |
| 20   | 98-9431     | 1    | Screw-Bleeder, Air |
| 30   | 98-7654     | 1    | Gasket             |
| 40   | 98-9420     | 1    | Overflow Pipe ASM  |
| 45   | 112-0182    | 1    | Pipe-Overflow      |
| 50   | 98-7671     | 2    | Clip-Pipe          |
| 60   | 108-2866    | 3    | Nozzle Holder Kit  |
| 65   | 121-2411    | 3    | Nut                |
| 70   | 98-7676     | 3    | Gasket             |
| 80   | 98-7677     | 3    | Seal-Heat          |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 90   | 98-9653     | 1    | Pipe-Injection   |
| 100  | 98-9654     | 1    | Pipe-Injection   |
| 110  | 98-9655     | 1    | Pipe-Injection   |
| 120  | 98-7682     | 2    | Clamp-Pipe       |
| 130  | 98-7683     | 2    | Clamp-Pipe       |
| 140  | 98-7684     | 2    | Screw (W/Washer) |
| 150  | 115-3019    | 3    | Plug-Glow        |
| 160  | 98-9631     | 1    | Cord-Plug, Glow  |
| 170  | 99-8377     | 3    | Nut-Flange       |



## Nozzle Holder Assembly

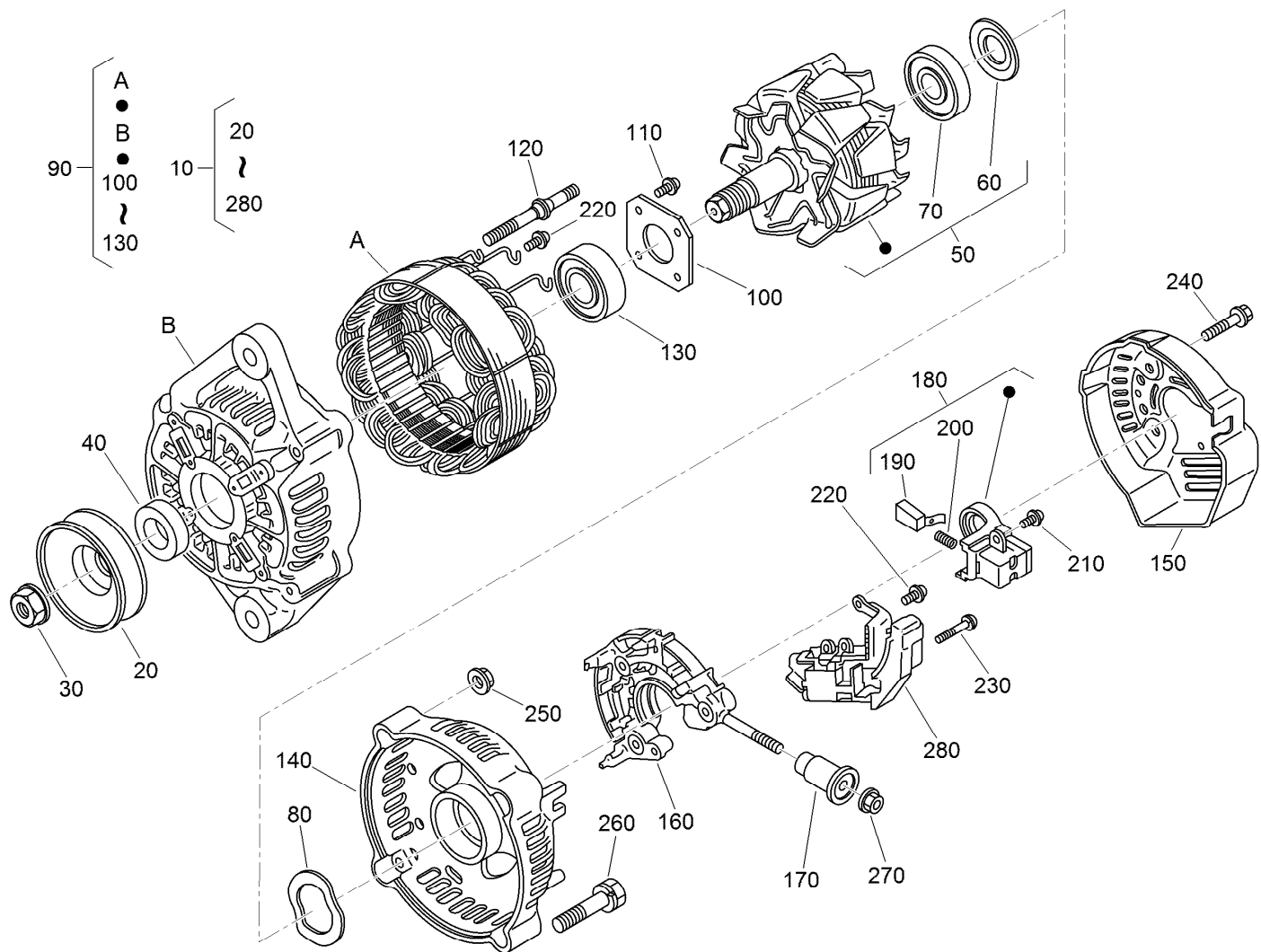
| Ref. | Part Number | Qty. | Description            | Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|------|-------------|------|------------------------|
| 10   | 108-2866    | 3    | Nozzle Holder Kit      | 110  | 99-8311     | 3    | Washer-Adjust (0.20Mm) |
| 20   | 99-8301     | 3    | Nut                    | 110  | 99-8312     | 3    | Washer-Adjust (0.30Mm) |
| 30   | 99-8302     | 3    | Washer-Adjusting       | 110  | 99-8313     | 3    | Washer-Adjust (0.40Mm) |
| 40   | 99-8303     | 3    | Spring-Nozzle          | 110  | 99-8314     | 3    | Washer-Adjust (0.50Mm) |
| 50   | 99-8304     | 3    | Spacer-Distance        | 110  | 99-8315     | 3    | Washer-Adjust (0.52Mm) |
| 60   | 99-8305     | 3    | Rod-Push               | 110  | 99-8316     | 3    | Washer-Adjust (0.54Mm) |
| 70   | 99-8306     | 3    | Nut-Nozzle             | 110  | 99-8317     | 3    | Washer-Adjust (0.56Mm) |
| 80   | 99-8307     | 3    | Washer-Plain           | 110  | 99-8318     | 3    | Washer-Adjust (0.58Mm) |
| 90   | 107-7826    | 3    | Piece-Nozzle           | 110  | 99-8319     | 3    | Washer-Adjust (0.80Mm) |
| 100  | 99-8309     | 3    | Adjusting Washer ASM   | 120  | 98-7676     | 3    | Gasket                 |
| 110  | 99-8310     | 3    | Washer-Adjust (0.10Mm) | 130  | 98-7677     | 3    | Seal-Heat              |



## Alternator and Pulley Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 121-3811    | 1    | Alternator ASM    |
| 20   | 112-7047    | 1    | Stay-Dynamo       |
| 30   | 108-7088    | 1    | Bolt              |
| 40   | 98-9360     | 1    | Bolt              |
| 50   | 98-7737     | 1    | Nut               |
| 60   | 98-9366     | 1    | Washer-Plain      |
| 70   | 98-7738     | 1    | Washer-Spring     |
| 90   | 98-7692     | 1    | Bolt              |
| 100  | 98-9584     | 1    | Pulley-Fan        |
| 110  | 98-9473     | 1    | Pulley-Drive, Fan |
| 120  | 98-9585     | 1    | Bolt              |
| 130  | 98-9676     | 1    | V-Belt            |
| 140  | 130-1291    | 1    | Connector ASM     |

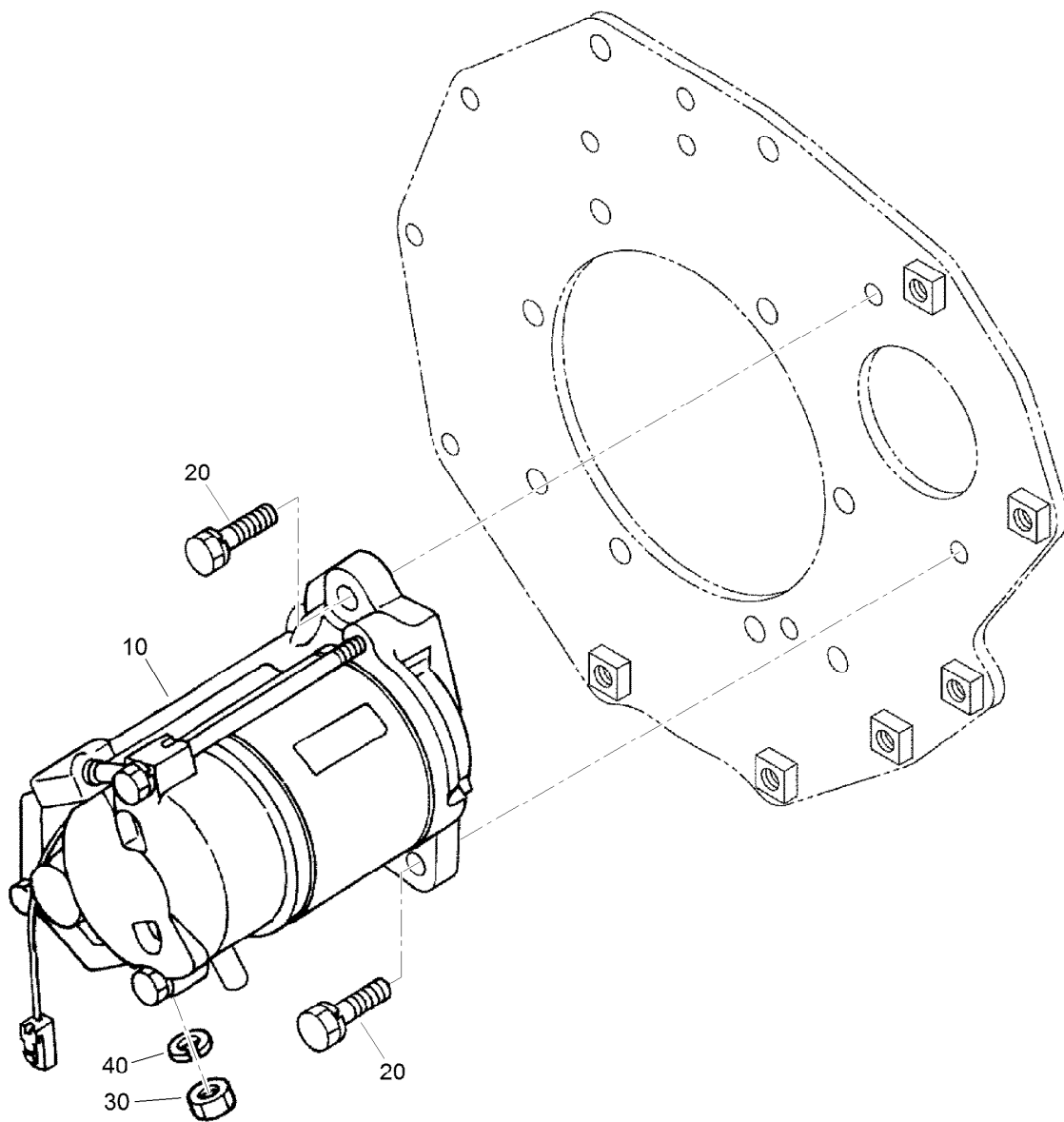
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 170  | 115-8600    | 1    | Coupler ASM           |
| 180  | 115-8601    | 1    | Connector             |
| 190  | 115-8602    | 2    | Terminal              |
| 200  | 130-1290    | 1    | Connector Coupler ASM |
| 210  | 98-9697     | 1    | Connector             |
| 220  | 98-9699     | 2    | Terminal              |
| 230  | 130-1328    | 1    | Terminal              |
| 240  | 130-1175    | 1    | Connector             |
| 250  | 130-1176    | 1    | Terminal              |
| 260  | 130-4597    | 1    | Fan-Cooling           |
| 270  | 99-8363     | 4    | Bolt-Flange           |
| 280  | 130-4598    | 1    | Collar-Fan            |



## Alternator Components Assembly

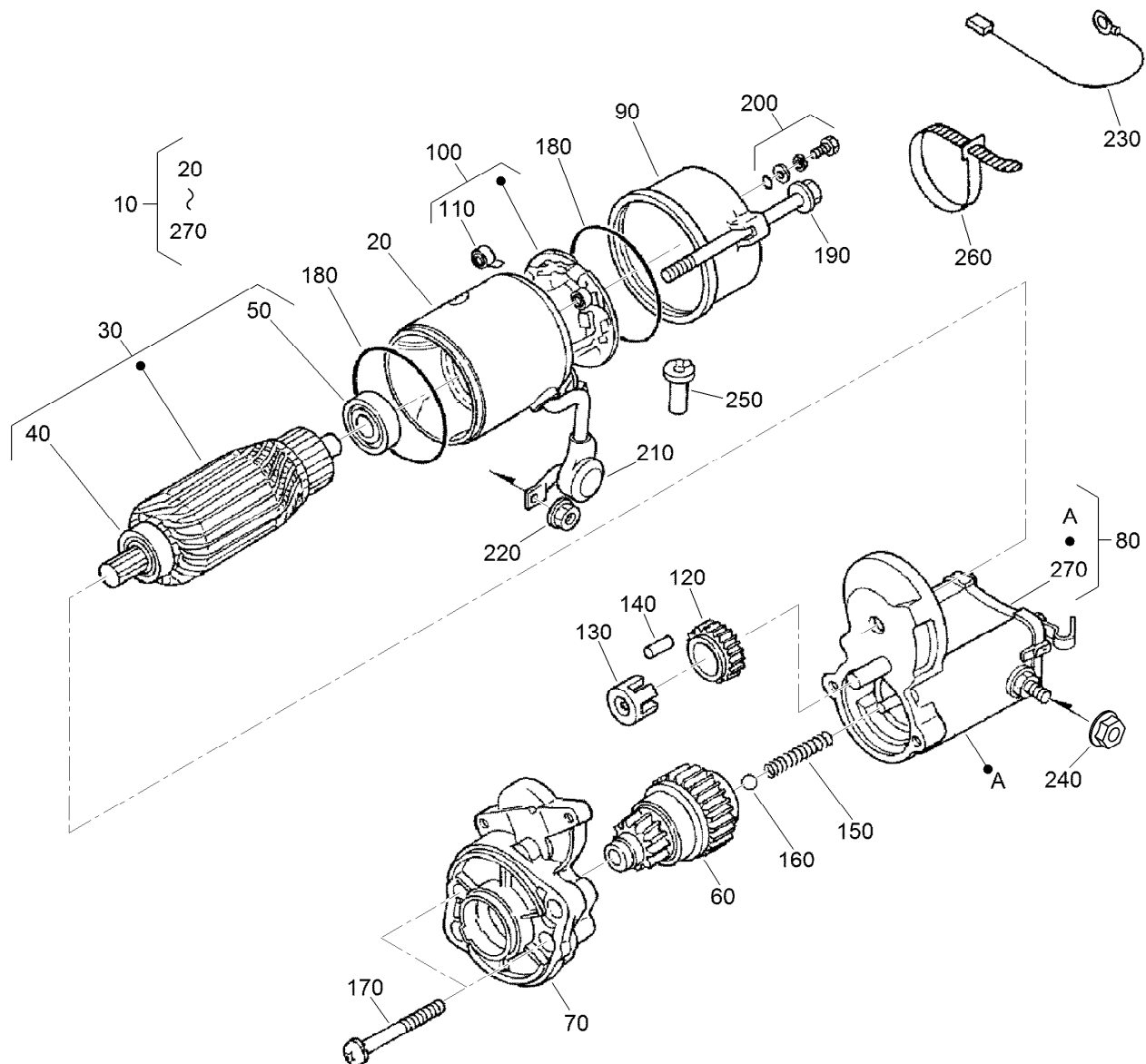
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 121-3811    | 1    | Alternator ASM      |
| 20   | 98-9453     | 1    | Pulley-Dynamo       |
| 30   | 98-7708     | 1    | Nut                 |
| 40   | 98-7709     | 1    | Collar              |
| 50   | 107-0136    | 1    | Rotor ASM           |
| 60   | 98-7711     | 1    | Cover-Bearing       |
| 70   | 107-0138    | 1    | Bearing-Ball        |
| 80   | 98-7713     | 1    | Washer-Thrust       |
| 90   | 107-0139    | 1    | Drive End Frame ASM |
| 100  | 98-7715     | 1    | Plate-Retainer      |
| 110  | 98-7716     | 4    | Screw-Head, Round   |
| 120  | 98-7717     | 2    | Bolt-Through        |
| 130  | 107-0137    | 1    | Bearing-Ball        |
| 140  | 121-3812    | 1    | Frame-End           |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 150  | 121-3813    | 1    | Cover-End         |
| 160  | 121-3805    | 1    | Rectifier ASM     |
| 170  | 117-0321    | 1    | Insulation-Brush  |
| 180  | 107-0141    | 1    | Brush Holder ASM  |
| 190  | 98-7724     | 2    | Brush             |
| 200  | 98-7725     | 2    | Spring-Brush      |
| 210  | 98-7726     | 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  | 121-3809    | 1    | Regulator ASM     |



## Starter Assembly

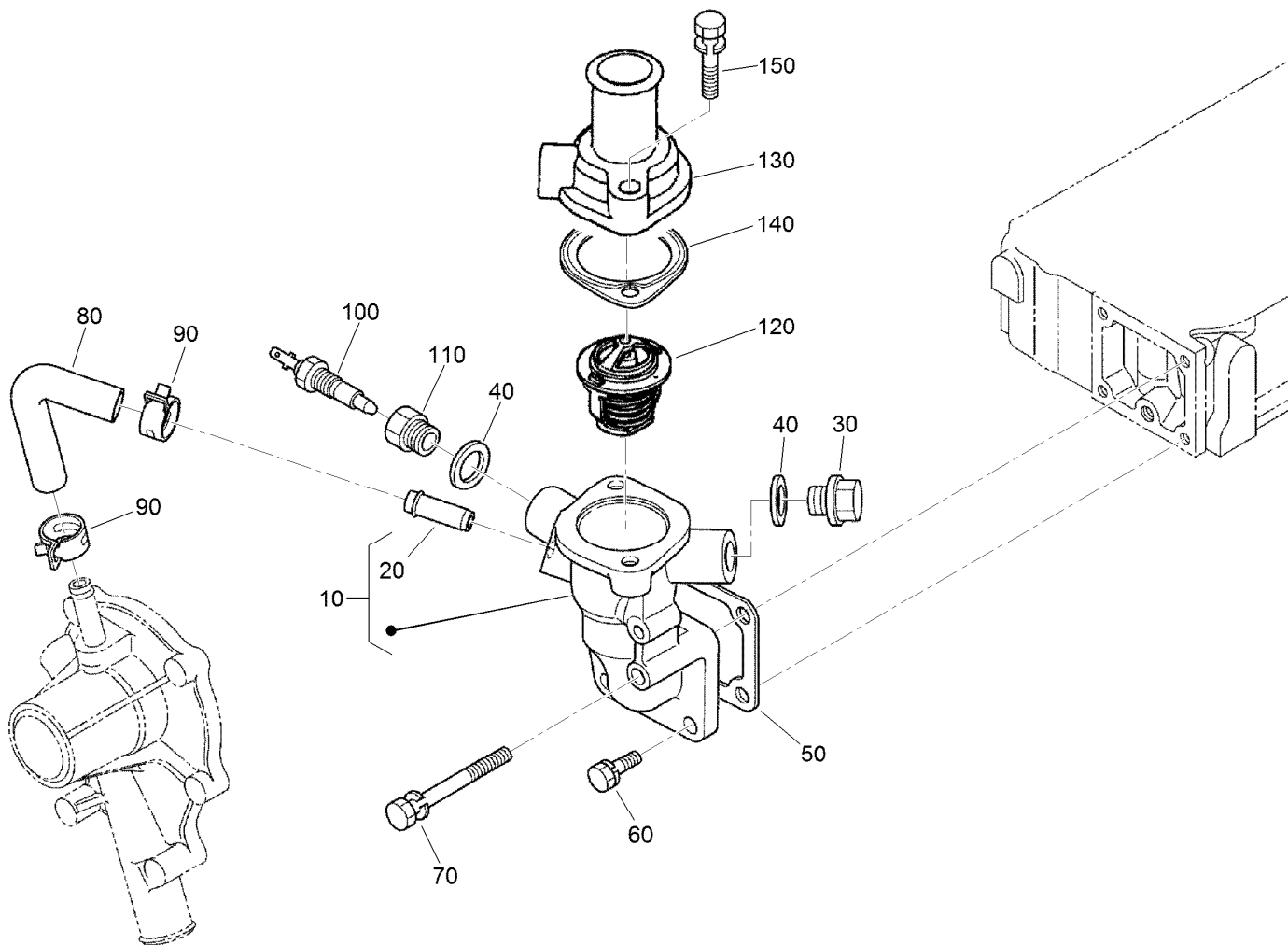
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10   | 98-9705     | 1    | Starter ASM   |
| 20   | 98-7697     | 2    | Bolt          |
| 30   | 98-7739     | 1    | Nut           |
| 40   | 105-2893    | 1    | Washer-Spring |



## Starter Component Assembly

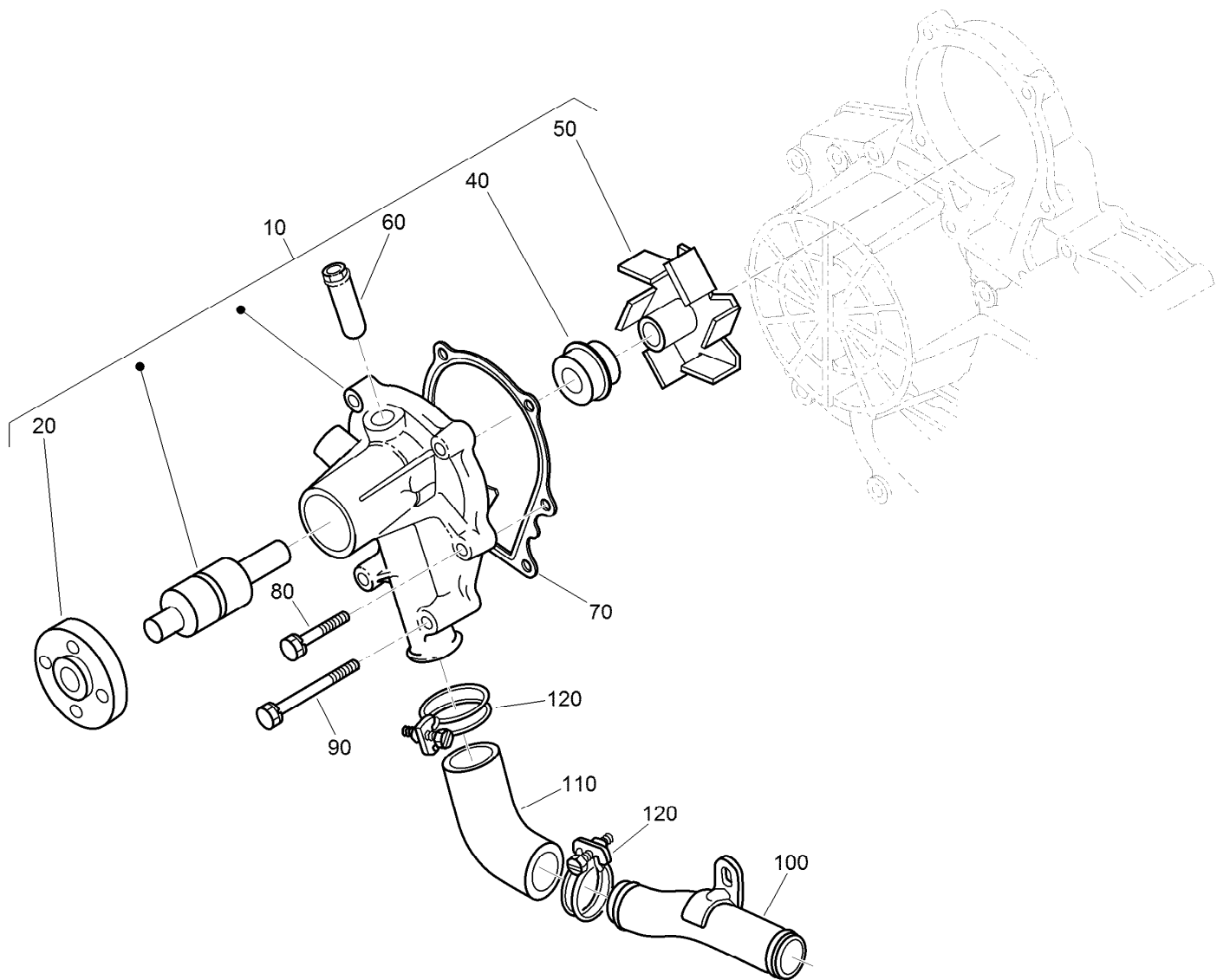
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9705     | 1    | Starter ASM          |
| 20   | 104-8608    | 1    | Yoke ASM             |
| 30   | 98-7742     | 1    | Armature ASM         |
| 40   | 98-7744     | 1    | Bearing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

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



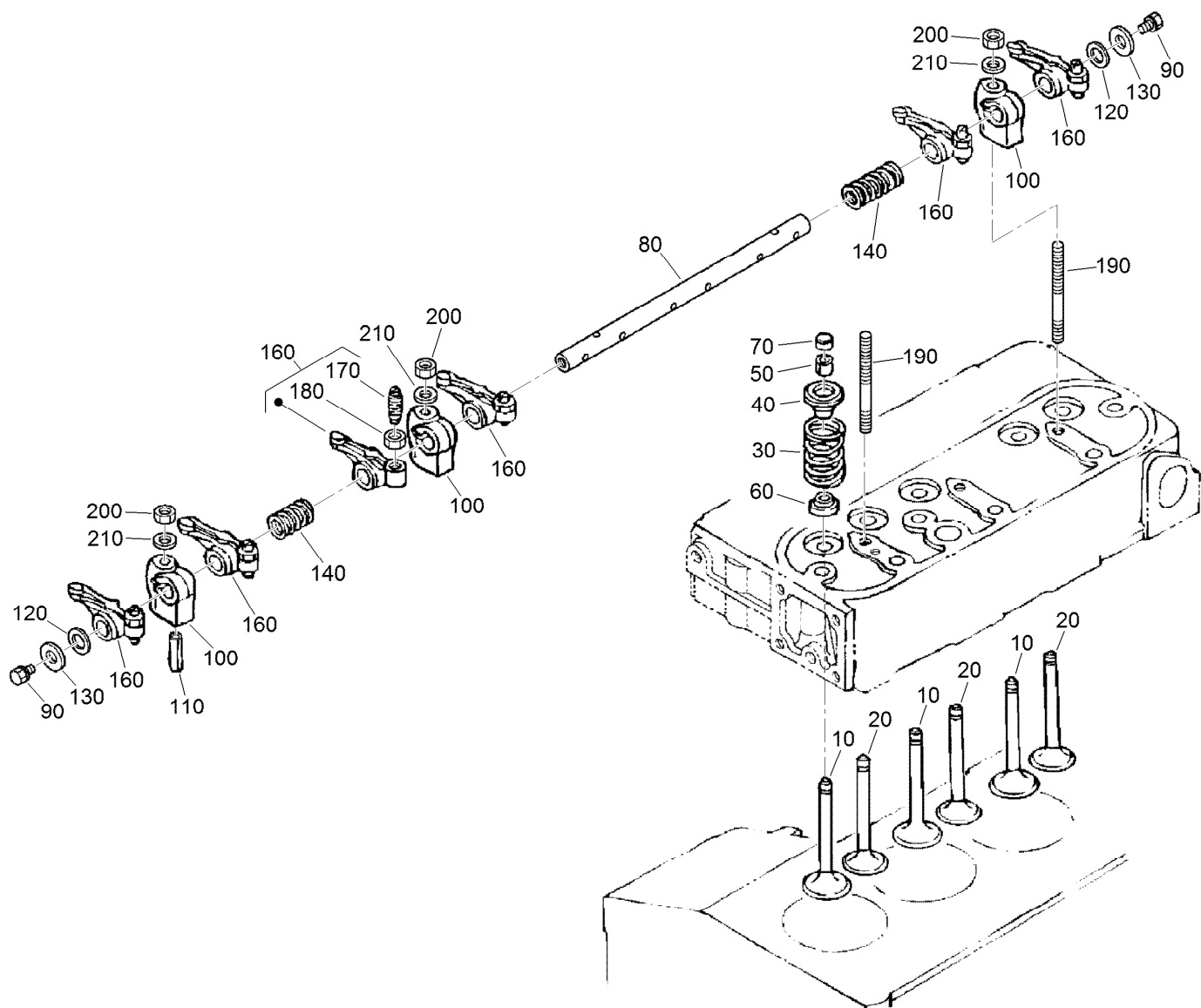
## Water Flange and Thermostat Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-9713     | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 30   | 105-3747    | 1    | Plug                 |
| 40   | 99-3583     | 2    | Gasket               |
| 50   | 98-9638     | 1    | Gasket-Flange, Water |
| 60   | 98-7692     | 3    | Bolt                 |
| 70   | 98-9356     | 1    | Bolt                 |
| 80   | 98-9578     | 1    | Pipe-Return, Water   |
| 90   | 125-9078    | 2    | Clamp-Hose           |
| 100  | 100-1983    | 1    | Thermo-Switch        |
| 110  | 99-3581     | 1    | Adapter              |
| 120  | 98-7778     | 1    | Thermostat ASM       |
| 130  | 98-9471     | 1    | Cover-Thermostat     |
| 140  | 105-3748    | 1    | Gasket-Thermostat    |
| 150  | 98-7777     | 2    | Bolt                 |



## Water Pump and Water Pipe Assembly

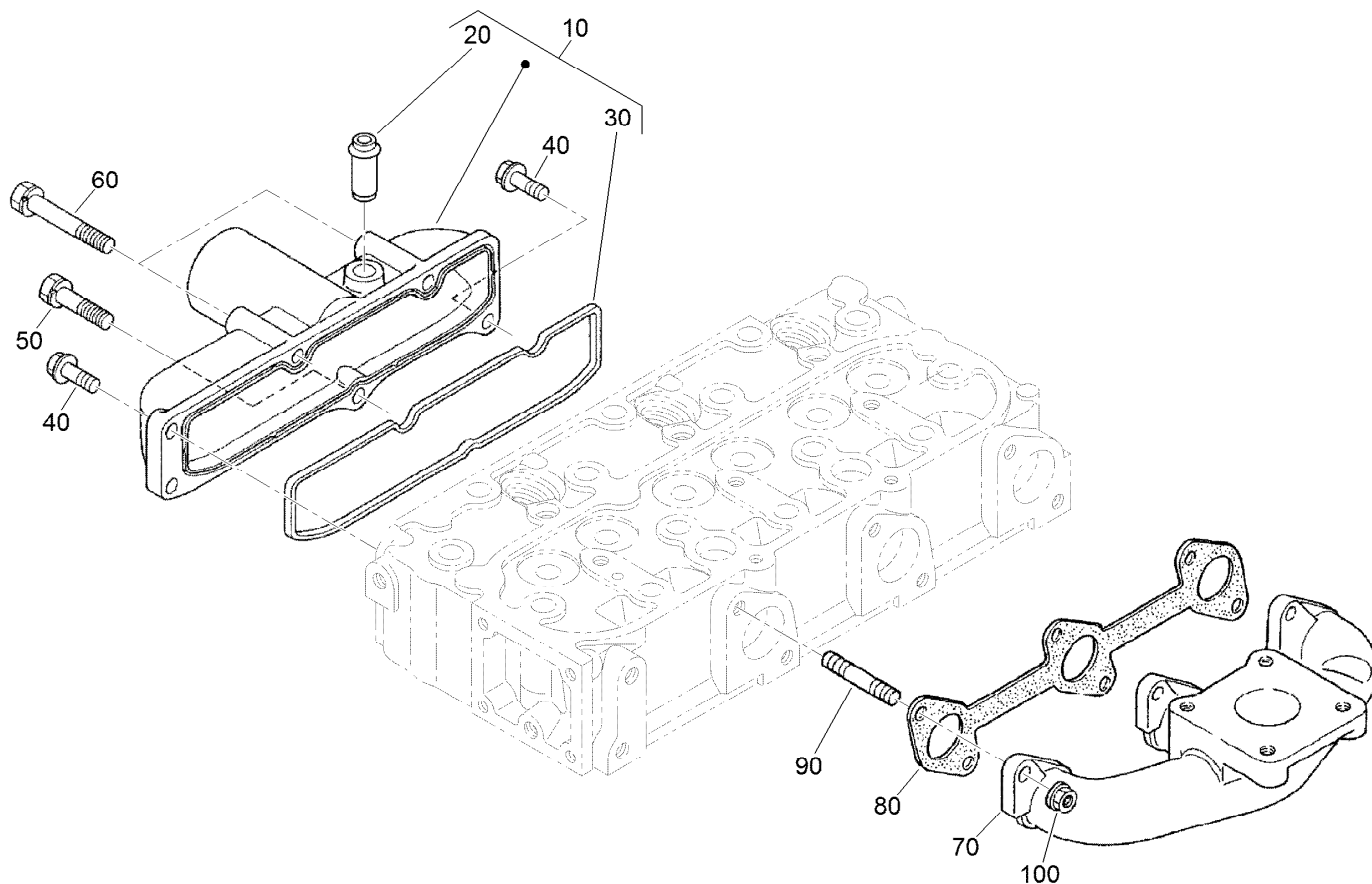
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 107-9089    | 1    | Water Pump ASM       |
| 20   | 99-3516     | 1    | Flange-Pump, Water   |
| 40   | 105-3750    | 1    | Mechanical Seal ASM  |
| 50   | 112-7017    | 1    | Impeller-Pump, Water |
| 60   | 100-1932    | 1    | Pipe-Return, Water   |
| 70   | 99-3454     | 1    | Gasket-Pump, Water   |
| 80   | 98-9353     | 4    | Bolt                 |
| 90   | 107-9090    | 2    | Bolt                 |
| 100  | 98-9716     | 1    | Pipe-Water           |
| 110  | 107-9091    | 1    | Pipe-Water           |
| 120  | 127-0439    | 2    | Clamp-Hose           |



## Valve and Rocker Arm Assembly

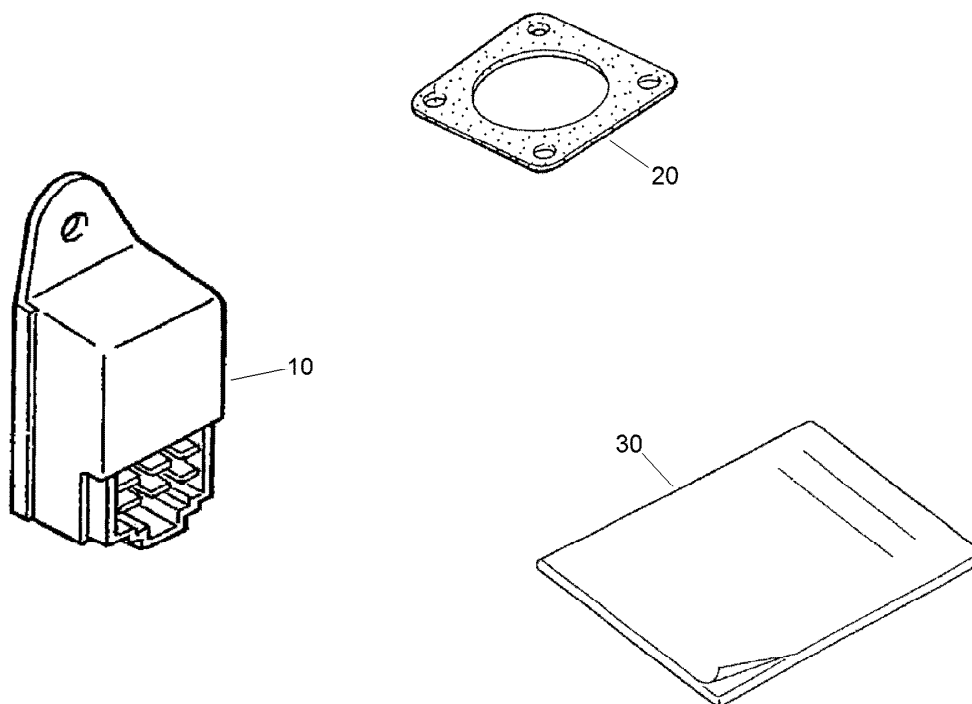
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 112-7018    | 3    | Valve-Inlet          |
| 20   | 120-2564    | 3    | Valve-Exhaust        |
| 30   | 98-9648     | 6    | Spring-Valve         |
| 40   | 107-9092    | 6    | Retainer-Spring      |
| 50   | 117-7572    | 6    | Collet-Spring, Valve |
| 60   | 99-8385     | 6    | Seal-Stem, Valve     |
| 70   | 98-9497     | 6    | Cap-Valve            |
| 80   | 130-1248    | 1    | Shaft-Arm, Rocker    |
| 90   | 100-1762    | 2    | Bolt                 |
| 100  | 98-9505     | 3    | Bracket-Arm, Rocker  |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 110  | 105-3758    | 1    | Pin-Spring               |
| 120  | 98-9507     | 2    | Washer-Shaft, Rocker Arm |
| 130  | 110-3832    | 2    | Washer-Plain             |
| 140  | 98-9504     | 2    | Spring-Arm, Rocker       |
| 160  | 112-7020    | 6    | Rocker Arm ASM           |
| 170  | 98-9502     | 6    | Screw-Adjusting          |
| 180  | 98-9503     | 6    | Nut                      |
| 190  | 98-9506     | 3    | Stud                     |
| 200  | 98-9393     | 3    | Nut                      |
| 210  | 98-9385     | 3    | Washer-Flat              |



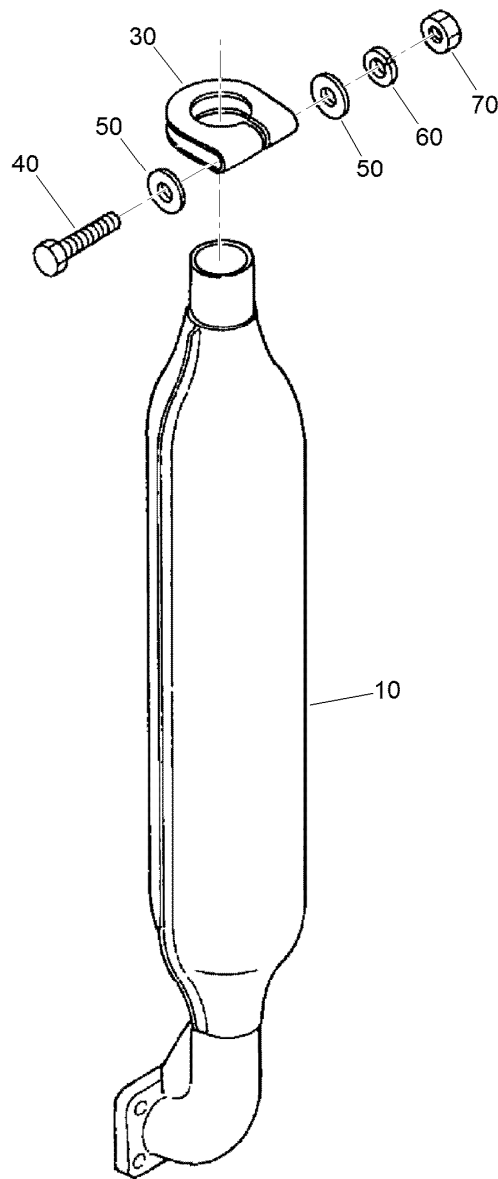
## Inlet and Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 108-6577    | 1    | Inlet Manifold ASM       |
| 20   | 98-9492     | 1    | Joint-Pipe, Breather     |
| 30   | 98-9609     | 1    | Gasket-Manifold, Inlet   |
| 40   | 98-7605     | 3    | Bolt                     |
| 40   | 127-0403    | 3    | Bolt-Flange              |
| 50   | 98-9353     | 1    | Bolt                     |
| 60   | 125-9063    | 2    | Bolt-Sems                |
| 70   | 117-8847    | 1    | Manifold-Exhaust         |
| 80   | 99-8327     | 1    | Gasket-Manifold, Exhaust |
| 90   | 98-9588     | 6    | Stud                     |
| 100  | 98-9665     | 6    | Nut                      |



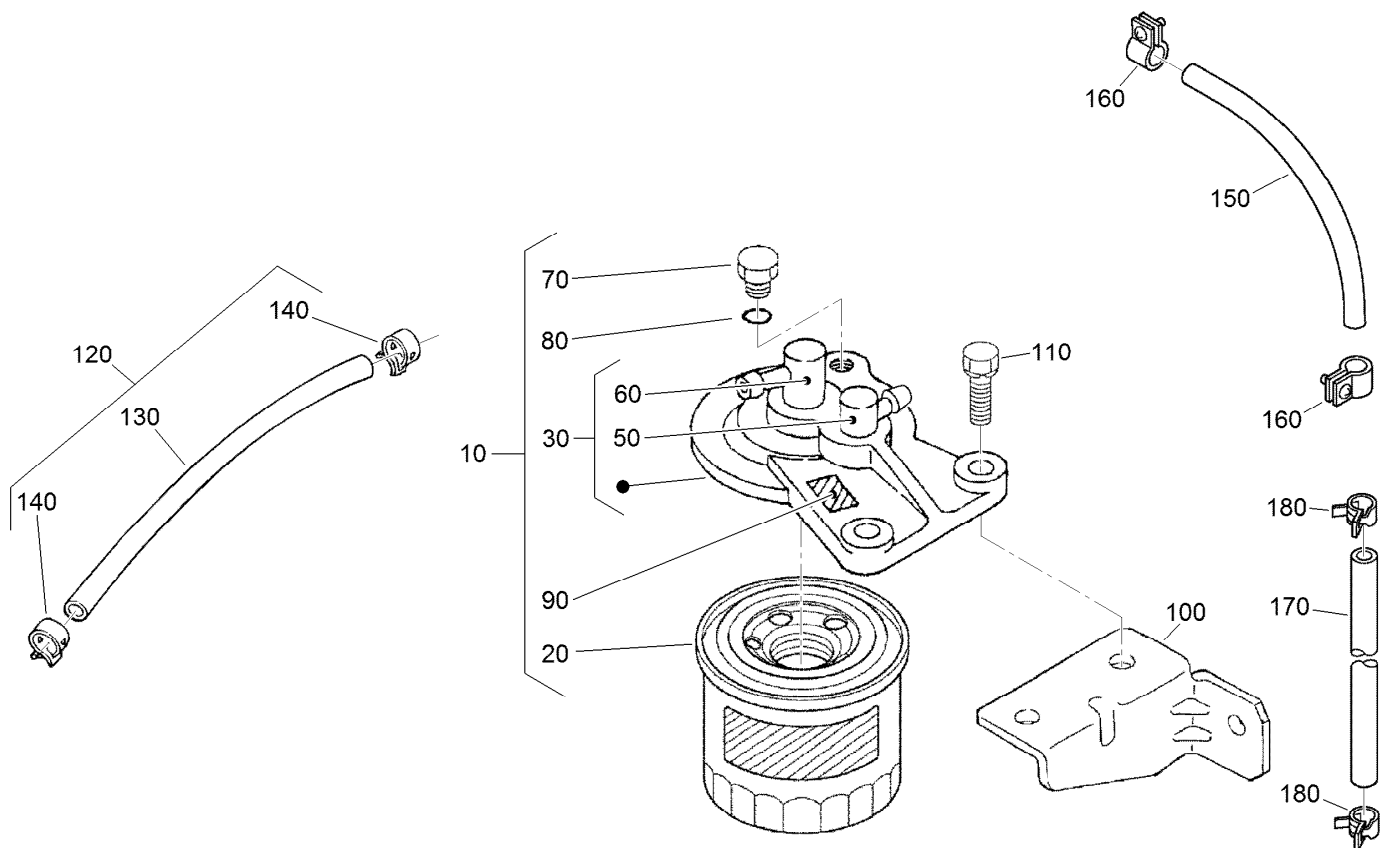
## Miscellaneous Engine Parts

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 130-1211           | 1           | Timer-Lamp, Glow   |
| 20          | 130-4596           | 1           | Gasket-Muffler     |
| 30          | 115-4104           | 1           | Operator Manual    |



## Muffler Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 10          | 130-1197           | 1           | Muffler             |
| 30          | 130-1184           | 1           | Clamp-Pipe, Muffler |
| 40          | 130-1151           | 1           | Bolt                |
| 50          | 98-7660            | 2           | Washer-Plain        |
| 60          | 105-2893           | 1           | Washer-Spring       |
| 70          | 98-7739            | 1           | Nut                 |



## Fuel Filter Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 130-1188    | 1    | Fuel Filter ASM      |
| 20   | 130-1187    | 1    | Element-Filter       |
| 30   | 130-1189    | 1    | Filter Cover ASM     |
| 50   | 130-1180    | 1    | Joint-Pipe           |
| 60   | 130-1181    | 1    | Joint-Pipe           |
| 70   | 130-1329    | 1    | Plug-Filter Breather |
| 80   | 130-1179    | 1    | O Ring               |
| 90   | 130-1190    | 1    | Mark-Form            |
| 100  | 130-1271    | 1    | Holder-Fuel Filter   |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 110  | 98-7610     | 2    | Bolt                 |
| 120  | 130-1270    | 1    | Fuel Pipe ASM        |
| 130  | 130-1172    | 1    | Tube-Fuel            |
| 140  | 100-2217    | 1    | Clip-Pipe            |
| 150  | 130-1222    | 1    | Pipe-Fuel            |
| 160  | 98-7616     | 4    | Clip-Pipe            |
| 170  | 130-1330    | 1    | Pipe-Over Flow, Fuel |
| 180  | 98-7672     | 6    | Clip-Pipe            |

# Attachments and Accessories

## For 30656 CT2140 Compact Triple 4-Wheel Drive Turf Mower

| Product Name                                | Model/Part  |
|---------------------------------------------|-------------|
| MK3 200mm (8in) 4-Blade Cutting Unit.....   | 02800       |
| MK3 200mm (8in) 6-Blade Cutting Unit.....   | 02801       |
| MK3 200mm (8in) 8-Blade Cutting Unit.....   | 02802       |
| MK3 200mm (8in) 10-Blade Cutting Unit.....  | 02803       |
| Beacon Kit .....                            | 02901       |
| 12 Volt Accessory Port Kit.....             | 02902       |
| Blower Carrier Kit.....                     | 02903       |
| LSD Lock Kit .....                          | 02904       |
| ROPS Assist Kit.....                        | 02905       |
| Waste Bin Kit .....                         | 02906       |
| Toolbox Kit .....                           | 02907       |
| Deluxe Seat Kit.....                        | 02909       |
| Decal-Manufactured By Hayter.....           | 02910       |
| Literature Service Record Book .....        | 02911       |
| Kevlar Tyres Kit.....                       | 02912       |
| Cleated Tyres Kit .....                     | 02913       |
| Road Light Kit (with Brake Lights).....     | 02916       |
| TÜV Kit - Speed Decal 20kph .....           | 02980       |
| TÜV Kit - Deck Cover 3-gang.....            | 02982       |
| TÜV Kit - German Vehicle Serial Plate ..... | 02983       |
| Warning Triangle .....                      | 111-4250    |
| Bracket-Number Plate .....                  | 111-4710-03 |
| Fuse-In Line.....                           | 111-5101    |

**Notes:**

**Notes:**

**Notes:**



**Count on it.**