



Count on it.

Parts Catalog

Groundsmaster® 7210

**Traction Unit with 72in Side Discharge
Mower**

Model No. 30363TC—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

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: Liquefied Petroleum Gas

LPG: Liquefied Petroleum Gas

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

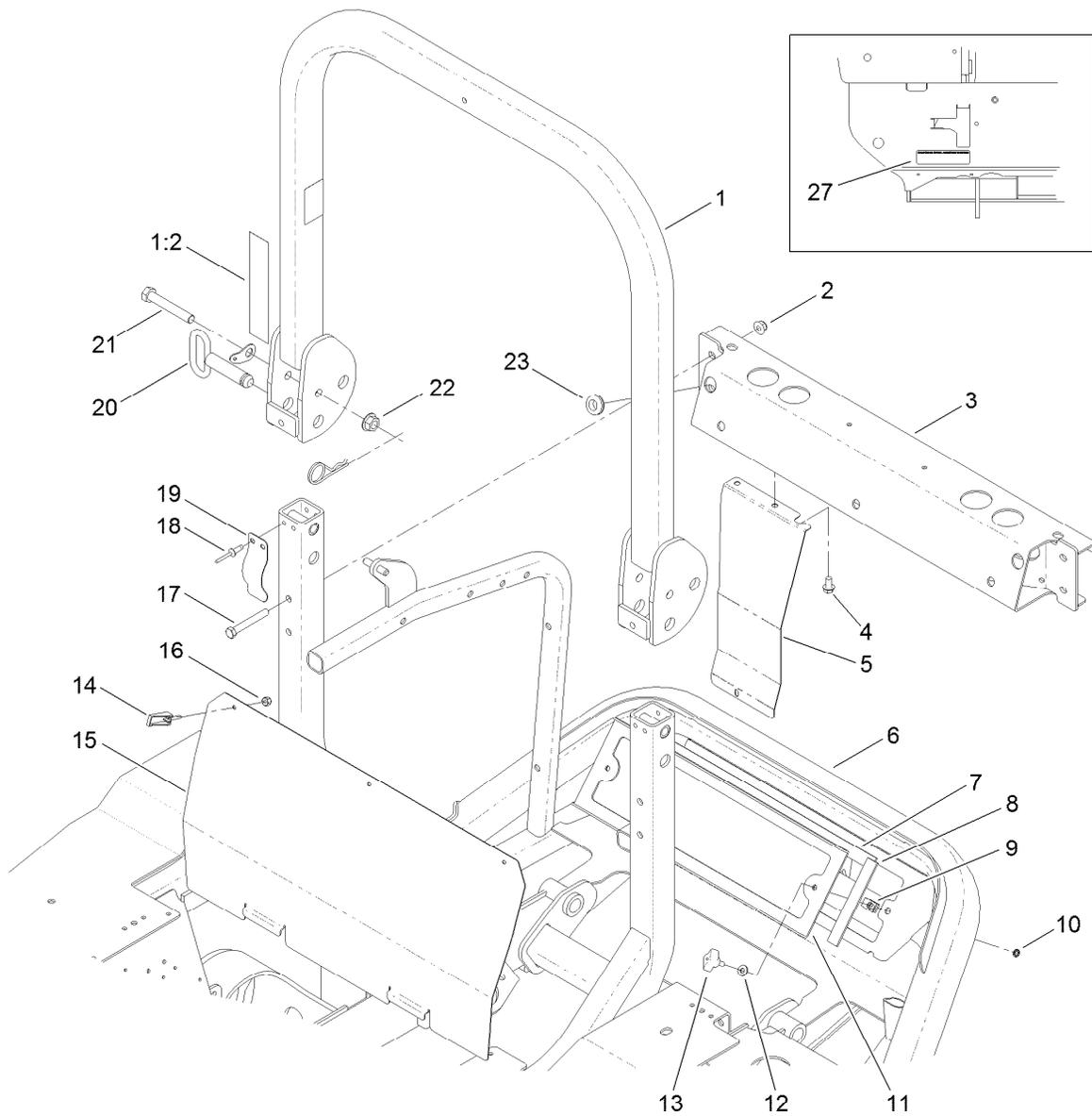
TTH: torx truss head

Contents

| | |
|--|----|
| Rear Frame Assembly | 5 |
| Engine Assembly | 6 |
| Transmission and Gear Pump Assembly | 7 |
| Charge Pump Housing Assembly Transmission Assembly No. 121-3370 | 8 |
| Center Section Assembly Transmission Assembly No. 121-3370 | 9 |
| Gear Case and Clutch Assembly Transmission Assembly No. 121-3370 | 10 |
| Driveshaft Assembly No. 110-3575 | 11 |
| Hydraulic Gear Pump Assembly No. 112-9542 | 12 |
| Wheel Hub and Wheel Assembly | 13 |
| Hydraulic Motor Assembly No. 108-5155 | 14 |
| Hydraulic Motor Assembly No. 108-5230 | 15 |
| LH Brake Caliper Assembly No. 120-0013 | 16 |
| RH Brake Caliper Assembly No. 120-0014 | 17 |
| Brake Handle Assembly | 18 |
| Radiator and Oil Cooler Assembly | 19 |
| Traction Control Assembly | 20 |
| Link Assembly No. 112-5099 | 21 |
| RH Lever Assembly No. 125-2687 | 22 |
| Control Panel Assembly | 23 |
| Left-Hand and Right-Hand Fuel Tank Assembly | 24 |
| LH Fuel Tank Assembly No. 110-8230 | 25 |
| RH Fuel Tank Assembly No. 110-8236 | 26 |
| Fuel Filter / Separator Assembly | 27 |
| Hood and Screen Assembly | 28 |
| Seat and Seat-Plate Assembly | 29 |
| Seat Assembly No. 107-2286 | 30 |
| Floorplate and Carrier Frame Assembly | 31 |
| Carrier Frame Assembly No. 121-3356 | 32 |
| Lift Valve Assembly | 33 |
| Deck Lift Valve Assembly No. 115-0356 | 34 |
| Hydraulic Cylinder Assembly No. 110-9834 | 35 |
| Castor Wheel Assembly | 36 |
| Caster Wheel Assembly No. 108-9954 | 37 |
| Deck Lift Assembly | 38 |
| Electrical Assembly | 39 |
| Transmission and Oil Cooler Hydraulic Assembly | 40 |
| Hydraulic Reservoir Assembly | 41 |
| Hydraulic Reservoir Assembly No. 110-8237 | 42 |
| Air Cleaner and Hose Assembly | 43 |
| Air Cleaner Assembly No. 104-3428 | 44 |
| Deck, Spindle, Blade, Belt and Pulley Assembly | 45 |
| Deck Decal Assembly No. 108-9901 | 46 |
| Spindle Assembly No. 119-4778 | 47 |
| High Spindle Assembly No. 117-9233 | 48 |
| Double Driven Spindle Assembly No. 117-9234 | 49 |
| Roller and Baffle Assembly | 50 |
| Belt Cover, Gearbox and Baffle Assembly | 51 |
| Rubber Deflector Assembly No. 108-2792 | 52 |
| Gearbox Assembly No. 117-9245-03 | 53 |
| Adjustment Link and Bumper Assembly | 54 |
| Crankcase Assembly | 55 |
| Oil Pan Assembly | 56 |
| Cylinder Head Assembly | 57 |
| Head Cover Assembly | 58 |

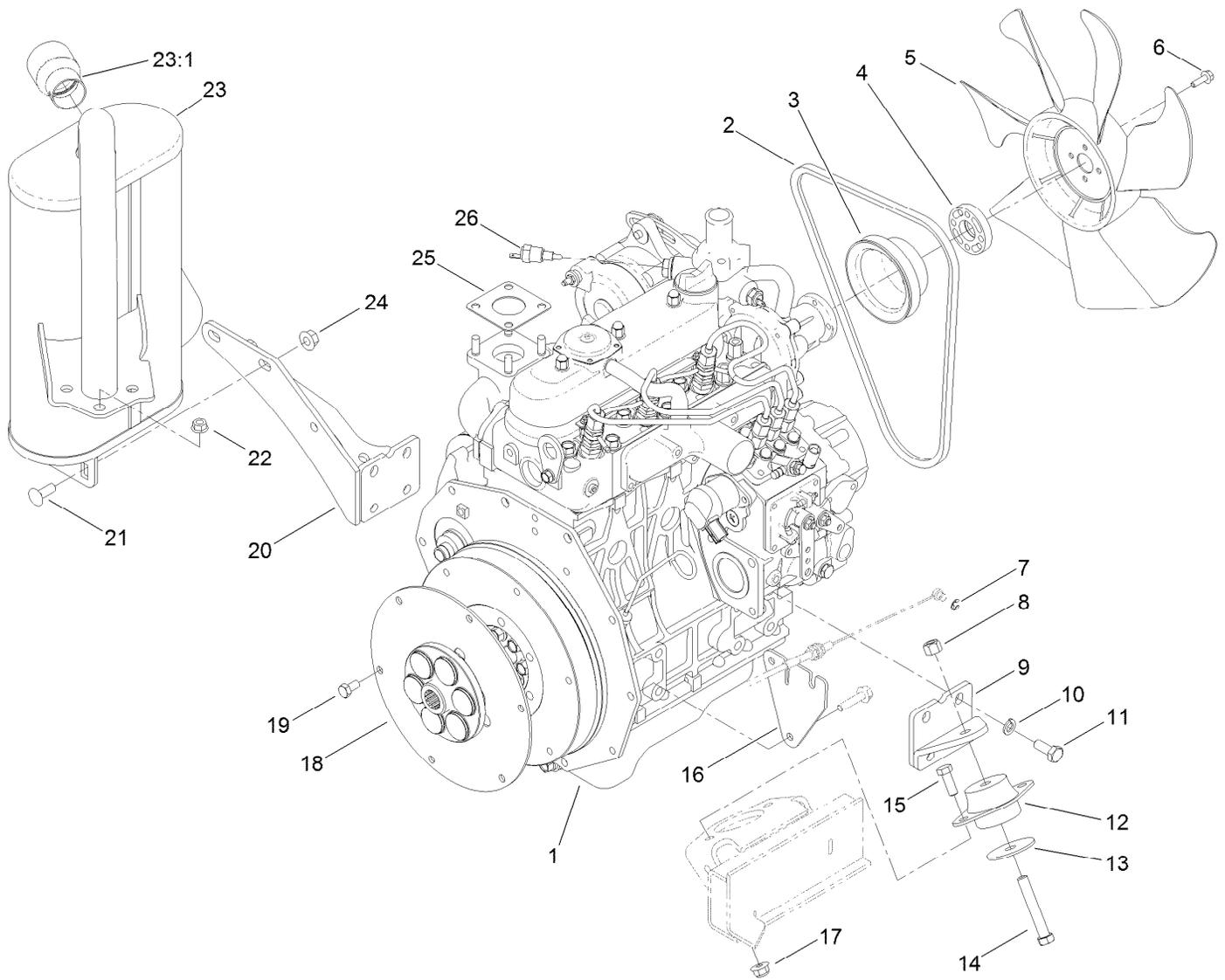
Contents (continued)

| | |
|---|----|
| Gear Case Assembly | 59 |
| Main Bearing Case Assembly | 60 |
| Camshaft and Idle Gear Shaft Assembly | 61 |
| Piston and Crankshaft Assembly | 62 |
| Flywheel Assembly | 63 |
| Fuel Camshaft and Governor Shaft Assembly | 64 |
| Idle Apparatus Assembly | 65 |
| Injection Pump Assembly | 66 |
| Governor Assembly | 67 |
| Speed Control Plate Assembly | 68 |
| Nozzle Holder and Glow Plug Assembly | 69 |
| Nozzle Holder Assembly | 70 |
| Alternator and Pulley Assembly | 71 |
| Alternator Components Assembly | 72 |
| Starter (Component Part) Assembly No. 98-9705 | 73 |
| Water Flange and Thermostat Assembly | 74 |
| Water Pump Assembly | 75 |
| Inlet and Exhaust Manifold Assembly | 76 |
| Valve and Rocker Arm Assembly | 77 |
| Turbo Charger Assembly | 78 |
| Turbo Charger Oil Pipe Assembly | 79 |
| Oil Cooler Assembly | 80 |
| Gasket Kit | 81 |
| Electric Fuel Pump, Fuel Filter, Starter and Overflow Bottle Assemblies | 82 |
| Attachments and Accessories | 83 |



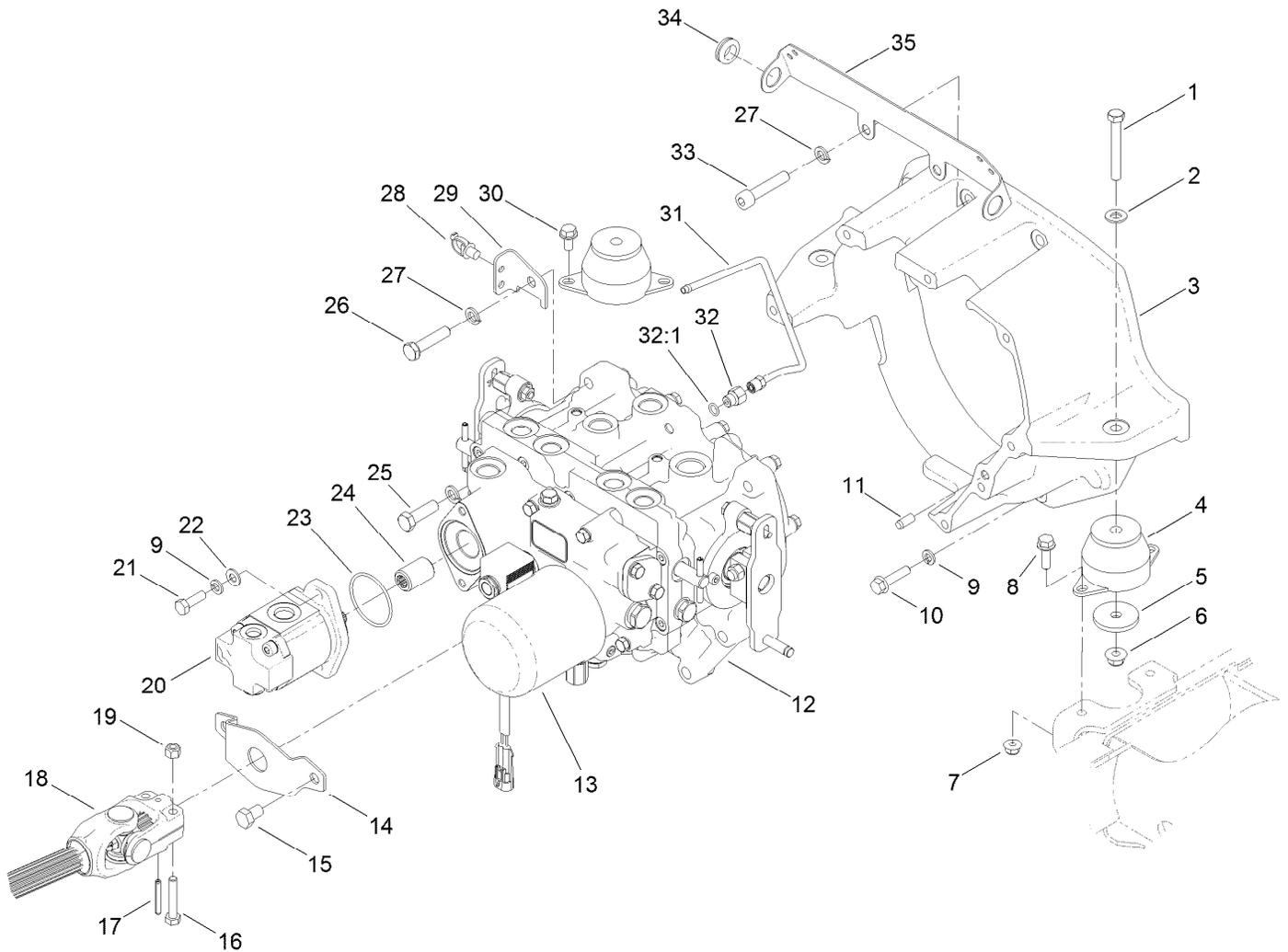
Rear Frame Assembly

| <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 | 110-9770 | 1 | Upper ROPS ASM | 12 | 3256-22 | 2 | Washer-Flat |
| 1:2 | 107-3069 | 1 | Decal-Warning, Folding ROPS | 13 | 98-8332 | 2 | Knob |
| 2 | 104-8301 | 4 | Nut-Flange, NI | 14 | 74-5950 | 3 | Latch-Swell |
| 3 | 125-2720-03 | 1 | Crossmember | 15 | 125-2718-03 | 1 | Panel-Rear |
| 4 | 32144-14 | 2 | Screw-HWHTF | 16 | 1-804254 | 3 | Nut-Lock, HH |
| 5 | 112-6368-03 | 1 | Shield-Heat | 17 | 323-13 | 4 | Screw-HH |
| 6 | 125-2714-03 | 1 | Frame-Rear | 18 | 3290-412 | 4 | Rivet |
| 7 | 120-0019 | 2 | Strip-Foam | 19 | 110-5696 | 2 | Spring-Leaf |
| 8 | 120-0017 | 2 | Strip-Foam | 20 | 103-4553 | 2 | ROPS Fold Pin ASM |
| 9 | 107069 | 2 | Clip | 21 | 112-7264 | 2 | Screw-HH |
| 10 | 32151-106 | 2 | Ring-Retaining | 22 | 32128-23 | 2 | Nut-HF |
| 11 | 112-6384-03 | 1 | Screen | 23 | 237-124 | 2 | Grommet |
| | | | | 27 | 117-2718 | 1 | Decal-Arrester, Spark |



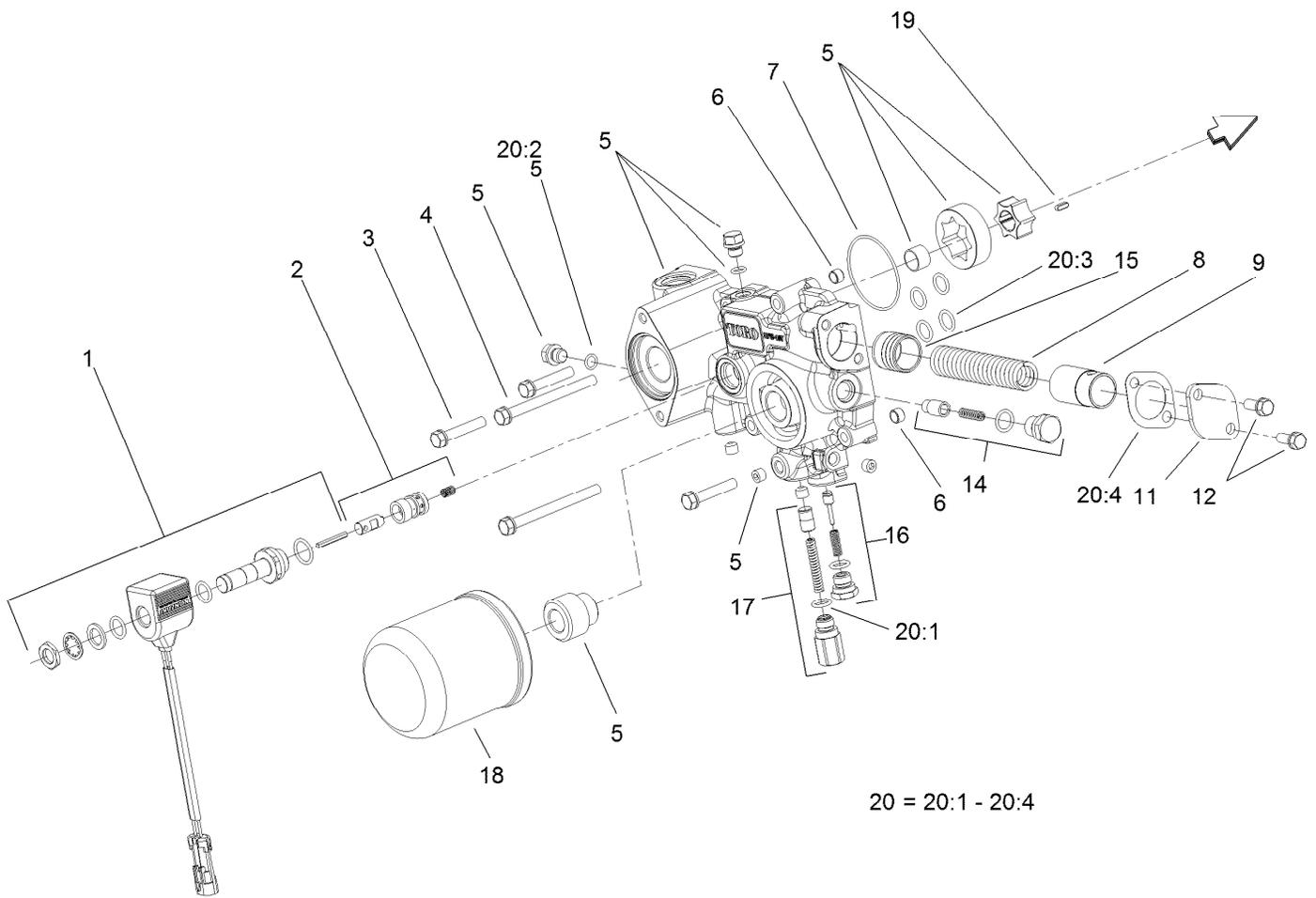
Engine Assembly

| <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 | 114-4080 | 1 | Engine-Kubota | 15 | 323-6 | 4 | Screw-HH |
| 2 | 98-9676 | 1 | V-Belt | 16 | 114-4060 | 1 | Bracket-Throttle |
| 3 | 98-9584 | 1 | Pulley-Fan | 17 | 104-8301 | 4 | Nut-Flange, NI |
| 4 | 108-2872 | 1 | Collar-Fan | 18 | 110-9729 | 1 | Flywheel Coupling ASM |
| 5 | 104-4246 | 1 | Fan-Engine | 19 | 99-5132 | 6 | Bolt |
| 6 | 33103-020 | 4 | Screw-HHF | 20 | 108-9926-03 | 1 | Bracket-Muffler |
| 7 | 701197 | 1 | E-Ring | 21 | 3231-22 | 2 | Screw-CARR |
| 8 | 3296-48 | 2 | Nut-Lock, NI | 22 | 33004-00 | 4 | Nut-HF |
| 9 | 105-7235-03 | 1 | Mount-Rear | 23 | 108-9912 | 1 | Muffler |
| 10 | 48-9590 | 8 | Washer-Lock | 23:1 | 112-1688 | 1 | Spark Arrestor Kit |
| 11 | 43-0090 | 8 | Screw-HH | 24 | 32128-29 | 2 | Nut-Lock, Flange |
| 12 | 53-9681 | 2 | Mount-Engine | 25 | 99-8343 | 1 | Gasket-Muffler |
| 13 | 87-5100 | 2 | Washer-Snubbing | 26 | 98-9719 | 1 | Thermoswitch |
| 14 | 324-11 | 2 | Screw-HH | | | | |



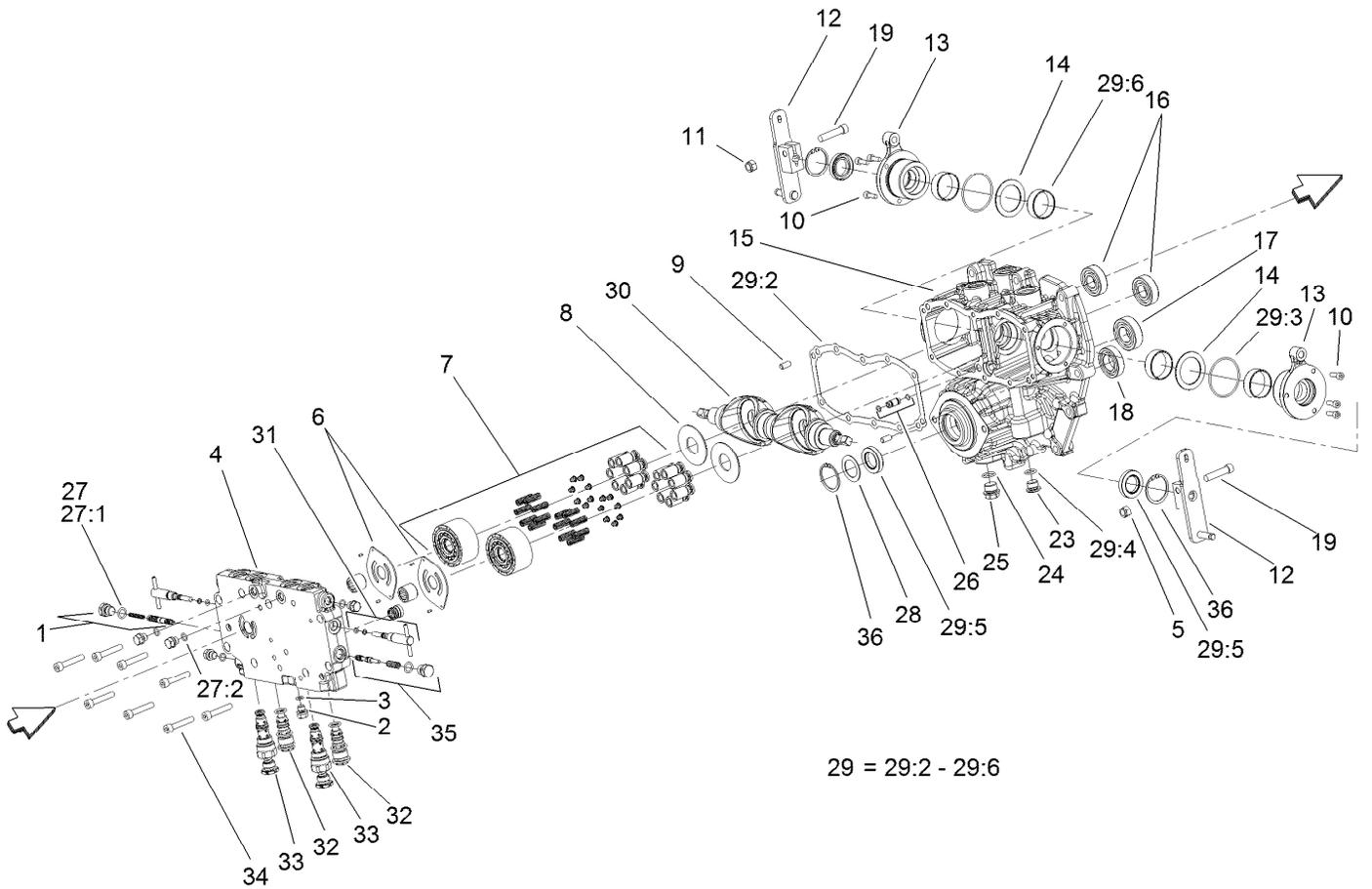
Transmission and Gear Pump Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------|------|-------------|------|----------------------|
| 1 | 323-13 | 2 | Screw-HH | 19 | 3296-29 | 4 | Nut-Lock, NI |
| 2 | 3256-24 | 2 | Washer-Flat | 20 | 112-9542 | 1 | Pump-Gear |
| 3 | 108-5193 | 1 | Housing-Flywheel | 21 | 33114-025 | 2 | Screw-HH |
| 4 | 107-2289 | 2 | Mount-Motor | 22 | 3256-23 | 2 | Washer-Flat |
| 5 | 80-8560 | 2 | Washer-Hardened | 23 | 108-9919 | 1 | O-Ring |
| 6 | 104-8301 | 2 | Nut-Flange, NI | 24 | 108-9920 | 1 | Coupler-Spline, 9T |
| 7 | 104-8300 | 2 | Nut-Flange, NI | 25 | 33115-035 | 1 | Screw-HH |
| 8 | 3234-17 | 2 | Screw-HHF | 26 | 33115-045 | 6 | Screw-HH |
| 9 | 3253-4 | 10 | Washer-Lock | 27 | 48-9590 | 9 | Washer-Lock |
| 10 | 33104-035 | 8 | Screw-HHF | 28 | 32180-030 | 1 | Clip-Tie |
| 11 | 87-1910 | 4 | Pin-Dowel | 29 | 120-0239 | 1 | Support-Tube |
| 12 | 121-3370 | 1 | Transmission | 30 | 32144-14 | 2 | Screw-HWHTF |
| 13 | 108-5194 | 1 | Filter-Oil, HYD | 31 | 110-5537 | 1 | Tube ASM |
| 14 | 114-4088 | 1 | Shield-Seal | 32 | 110-5536 | 1 | Fitting-HYD, Adapter |
| 15 | 33115-016 | 2 | Screw-HH | 32:1 | 237-78 | 1 | O-Ring |
| 16 | 322-9 | 4 | Screw-HH | 33 | 3274-106 | 2 | Screw-HSH |
| 17 | 32121-34 | 2 | Pin-Roll | 34 | 99-3481 | 2 | Grommet |
| 18 | 110-3575 | 1 | Driveshaft | 35 | 125-2716-03 | 1 | Bracket-Wire |



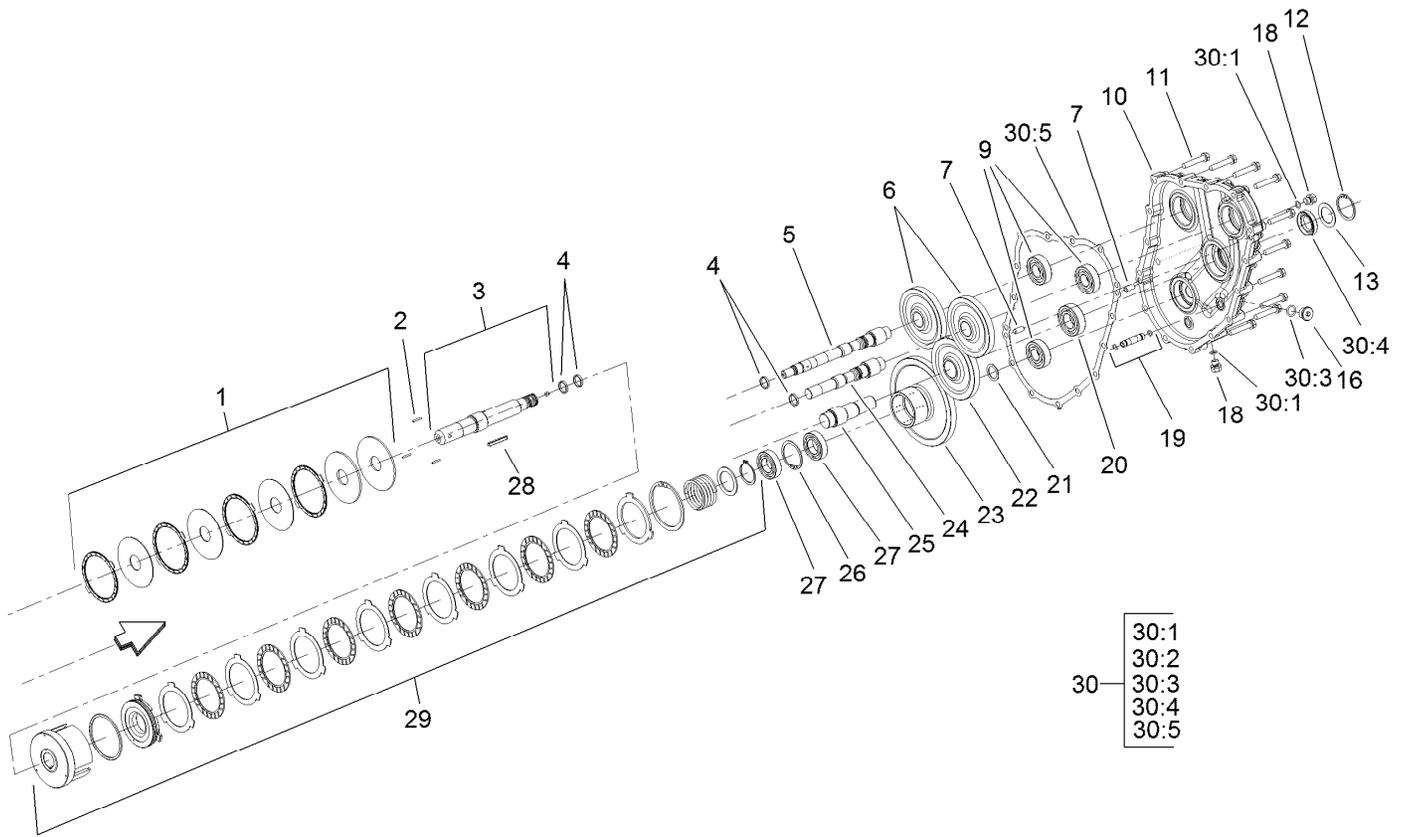
Charge Pump Housing Assembly Transmission Assembly No. 121-3370

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|-------------------------|
| 1 | 107-0851 | 1 | Solenoid ASM | 14 | 107-0843 | 1 | Filter Bypass Valve ASM |
| 2 | 107-0850 | 1 | Solenoid Valve ASM | 15 | 107-0818 | 1 | Piston |
| 3 | 107-0863 | 3 | Bolt | 16 | 107-0842 | 1 | Charge Relief Valve ASM |
| 4 | 107-0864 | 2 | Bolt | 17 | 107-0841 | 1 | Pressure Valve ASM |
| 5 | 107-0840 | 1 | Pump Body ASM | 18 | 108-5194 | 1 | Filter-Oil, HYD |
| 6 | 107-0848 | 2 | Pin | 19 | 107-0865 | 1 | Key |
| 7 | 107-0856 | 1 | O-Ring | 20 | 107-0855 | 1 | Charge Pump Seal Kit |
| 8 | 107-0845 | 1 | Spring | 20:1 | 93-0418 | 2 | O-Ring |
| 9 | 107-0844 | 1 | Collar | 20:2 | 107-0817 | 2 | O Ring-Plug |
| 11 | 107-0846 | 1 | Cover | 20:3 | 104-3298 | 6 | Packing |
| 12 | 93-0457 | 2 | Bolt And Washer ASM | 20:4 | 107-0847 | 1 | Gasket |



Center Section Assembly Transmission Assembly No. 121-3370

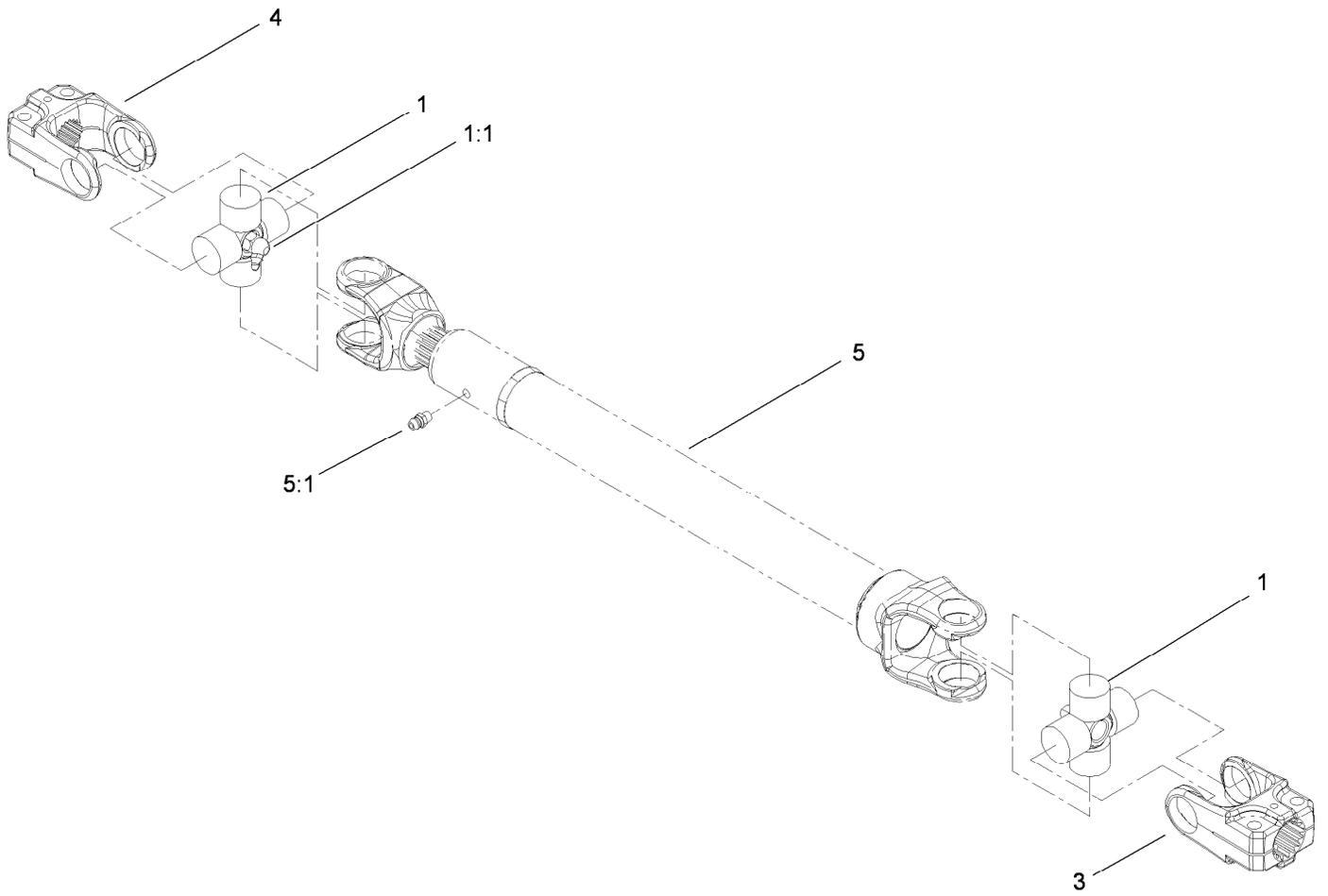
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|-----------------------|
| 1 | 107-0807 | 1 | Valve-Flushing, RH | 24 | 107-0862 | 1 | O-Ring |
| 2 | 107-0857 | 2 | Plug | 25 | 107-0867 | 1 | Plug |
| 3 | 107-0817 | 2 | O Ring-Plug | 26 | 107-0812 | 1 | Pipe |
| 4 | 121-3377 | 1 | Center Case, Complete | 27 | 107-0852 | 1 | Center Case Seal Kit |
| 5 | 107-0858 | 1 | U-Nut | 27:1 | 93-0418 | 2 | O-Ring |
| 6 | 107-0805 | 2 | Plate-Valve | 27:2 | 107-0817 | 6 | O Ring-Plug |
| 7 | 107-0824 | 2 | Cylinder Block ASM | 28 | 107-0813 | 1 | Spacer |
| 8 | 107-0830 | 2 | Plate-Thrust | 29 | 107-0853 | 1 | Pump Housing Seal Kit |
| 9 | 92-0765 | 4 | Pin-Parallel | 29:2 | 107-0810 | 1 | Gasket-Case, Center |
| 10 | 107-0859 | 6 | Bolt | 29:3 | 107-0817 | 2 | O Ring-Plug |
| 11 | 120-6681 | 2 | U-Nut | 29:4 | 104-3298 | 1 | Packing |
| 12 | 120-6680 | 2 | Arm-Control | 29:5 | 107-0814 | 3 | Seal |
| 13 | 107-0832 | 2 | Side Cover ASM | 29:6 | 107-0825 | 4 | Ring-Seal |
| 14 | 107-0829 | 2 | Washer | 30 | 120-6679 | 2 | Plate-Swash |
| 15 | 120-5151 | 1 | Pump Housing ASM | 31 | 107-0808 | 2 | Valve-Bypass |
| 16 | 107-0826 | 2 | Bearing | 32 | 121-3378 | 2 | Check Valve-Rear |
| 17 | 107-0821 | 1 | Bearing | 33 | 107-0803 | 2 | Valve-Front |
| 18 | 107-0838 | 1 | Bearing | 34 | 107-0863 | 8 | Bolt |
| 19 | 120-6682 | 2 | Bolt (10 X 40) | 35 | 107-0806 | 1 | Valve-Flushing, LH |
| 23 | 107-0861 | 1 | Plug-NPTF | 36 | 92-0757 | 2 | Ring-Snap |



Gear Case and Clutch Assembly Transmission Assembly No. 121-3370

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|-----------------------|
| 1 | 107-0839 | 1 | PTO Brake ASM | 21 | 107-0836 | 1 | Spacer |
| 2 | 107-0837 | 3 | Rod-Push | 22 | 107-0820 | 1 | Gear-Input |
| 3 | 107-0833 | 1 | PTO Shaft ASM | 23 | 107-0834 | 1 | Gear-PTO |
| 4 | 107-0825 | 2 | Ring-Seal | 24 | 107-0822 | 1 | Shaft-Pump |
| 5 | 107-0827 | 1 | Shaft-Pump | 25 | 107-0819 | 1 | Shaft-Input |
| 6 | 107-0823 | 2 | Gear-Pump | 26 | 92-0758 | 1 | Ring-Snap |
| 7 | 92-0765 | 4 | Pin-Parallel | 27 | 107-0838 | 3 | Bearing |
| 9 | 107-0826 | 4 | Bearing | 28 | 107-0866 | 1 | Key |
| 10 | 120-5152 | 1 | Housing-Case, Gear | 29 | 107-0835 | 1 | Clutch Cylinder ASM |
| 11 | 107-0863 | 13 | Bolt | 30 | 107-0854 | 1 | Gear Housing Seal Kit |
| 12 | 92-0757 | 1 | Ring-Snap | 30:1 | 107-0817 | 2 | O Ring-Plug |
| 13 | 107-0813 | 1 | Spacer | 30:2 | | 2 | O-Ring ● |
| 16 | 107-0861 | 1 | Plug-NPTF | 30:3 | 104-3298 | 1 | Packing |
| 18 | 107-0857 | 6 | Plug | 30:4 | 107-0814 | 1 | Seal |
| 19 | 107-0811 | 1 | Pipe | 30:5 | 107-0816 | 1 | Gasket-Housing, Gear |
| 20 | 107-0821 | 2 | Bearing | | | | |

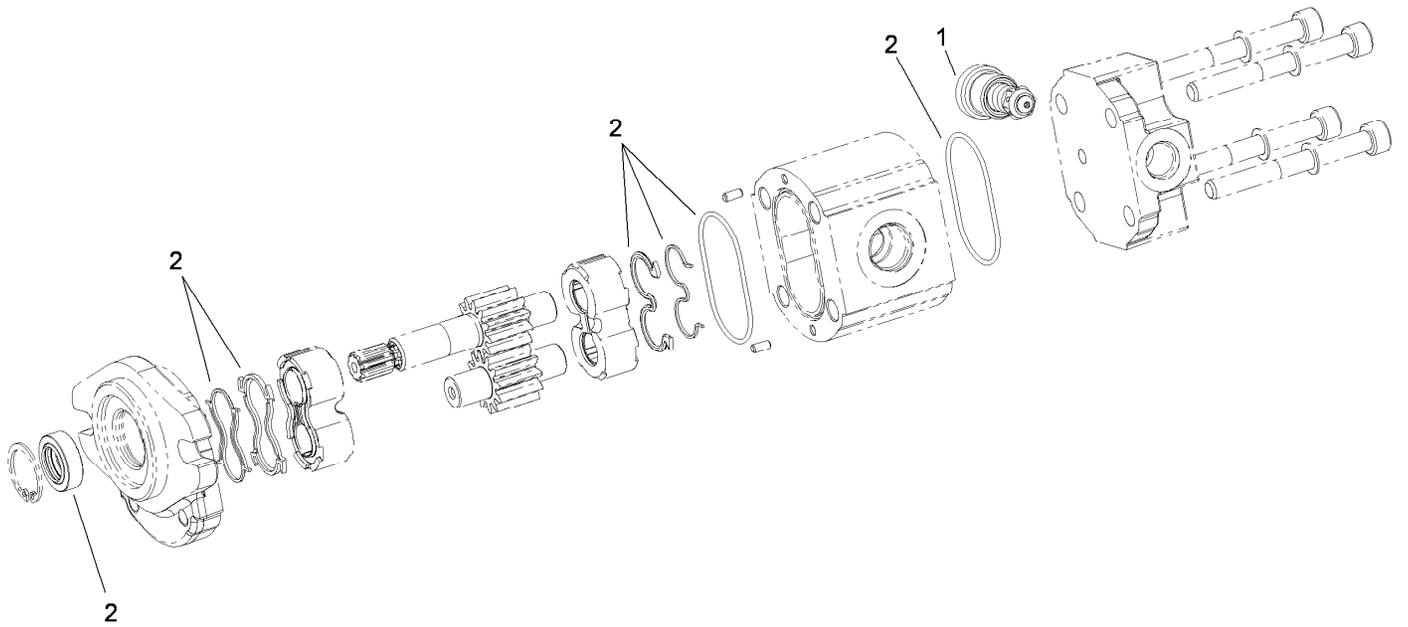
● Not serviced separately



Driveshaft Assembly No. 110-3575

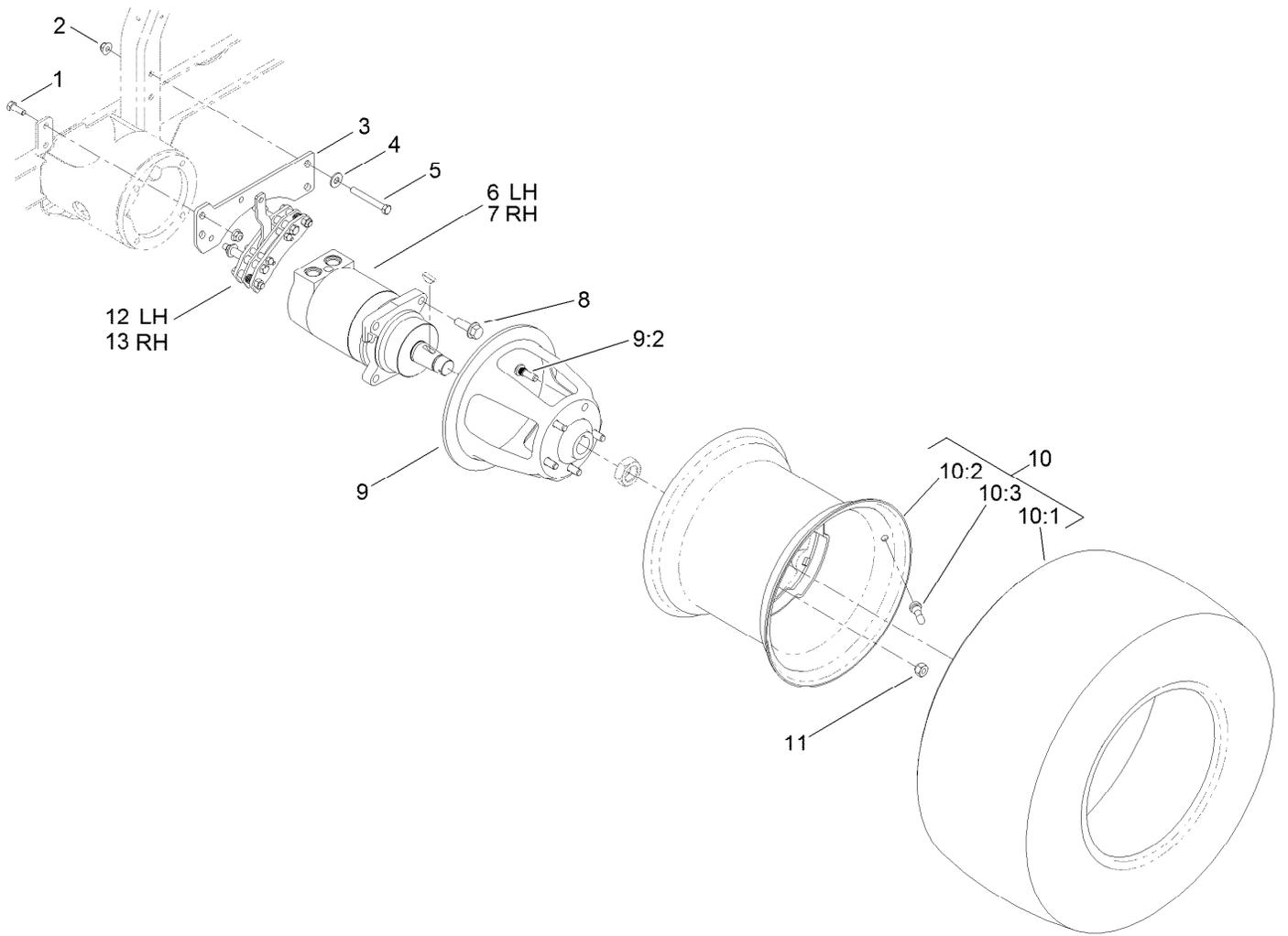
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 1 | 112-1687 | 2 | Cross And Bearing Kit |
| 1:1 | 62-3820 | 1 | Fitting-Grease |
| 3 | 54-9040 | 1 | Yoke-End |
| 4 | 54-9090 | 1 | Yoke-End |
| 5 | |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

● Not serviced separately



Hydraulic Gear Pump Assembly No. 112-9542

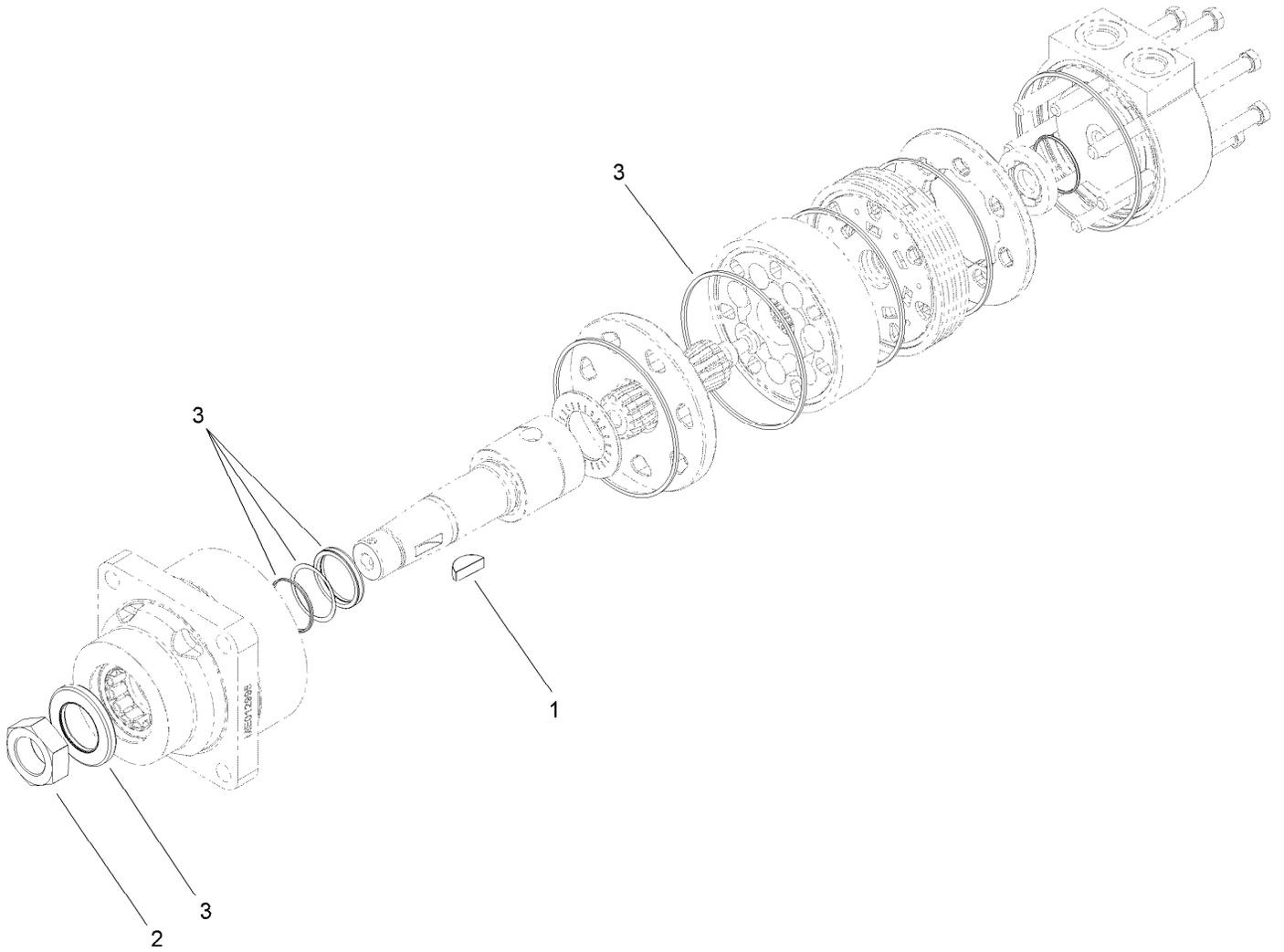
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1 | 112-0198 | 1 | Valve |
| 2 | 112-0199 | 1 | Seal Kit |



Wheel Hub and Wheel Assembly

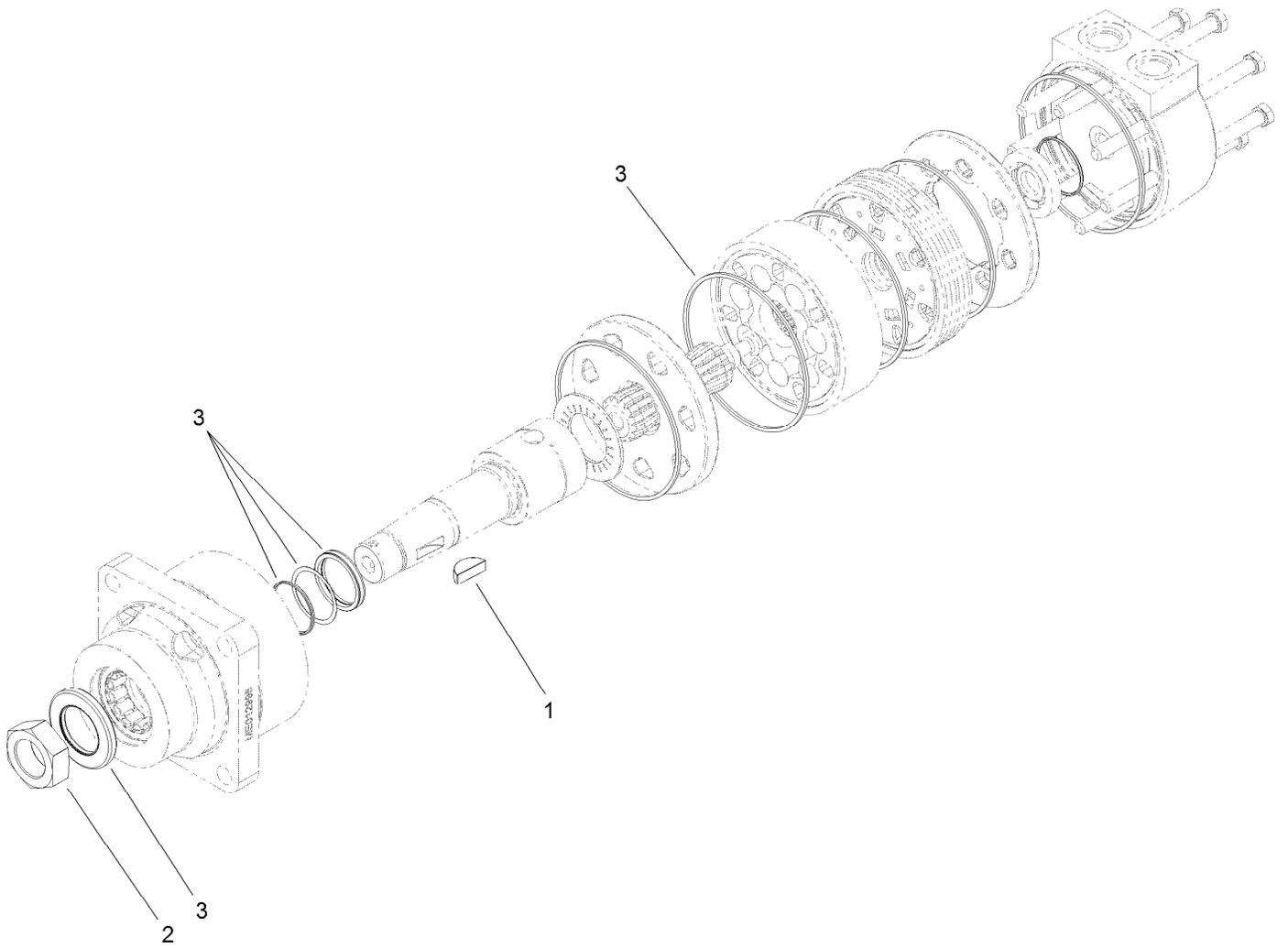
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------|
| 1 | 323-6 | 4 | Screw-HH |
| 2 | 104-8301 | 8 | Nut-Flange, NI |
| 3 | 112-9550-03 | 2 | Bracket-Brake |
| 4 | 3256-4 | 4 | Washer-Flat |
| 5 | 323-14 | 4 | Screw-HH |
| 6 | 108-5155 | 1 | LH HYD Motor ASM |
| 7 | 108-5230 | 1 | RH HYD Motor ASM |
| 8 | 100-6116 | 8 | Screw-HHF |
| 9 | 110-5535 | 2 | Wheel Hub ASM |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------|
| 9:2 | 87-8730 | 5 | Stud |
| 10 | 106-7864 | 2 | Tire And Wheel ASM |
| 10:1 | 106-7868 | 1 | Tire |
| 10:2 | 87-6750 | 1 | Wheel |
| 10:3 | 232-27 | 1 | Stem-Valve |
| 11 | 23-7270 | 10 | Nut-Wheel |
| 12 | 120-0013 | 1 | LH Brake Caliper ASM |
| 13 | 120-0014 | 1 | RH Brake Caliper ASM |



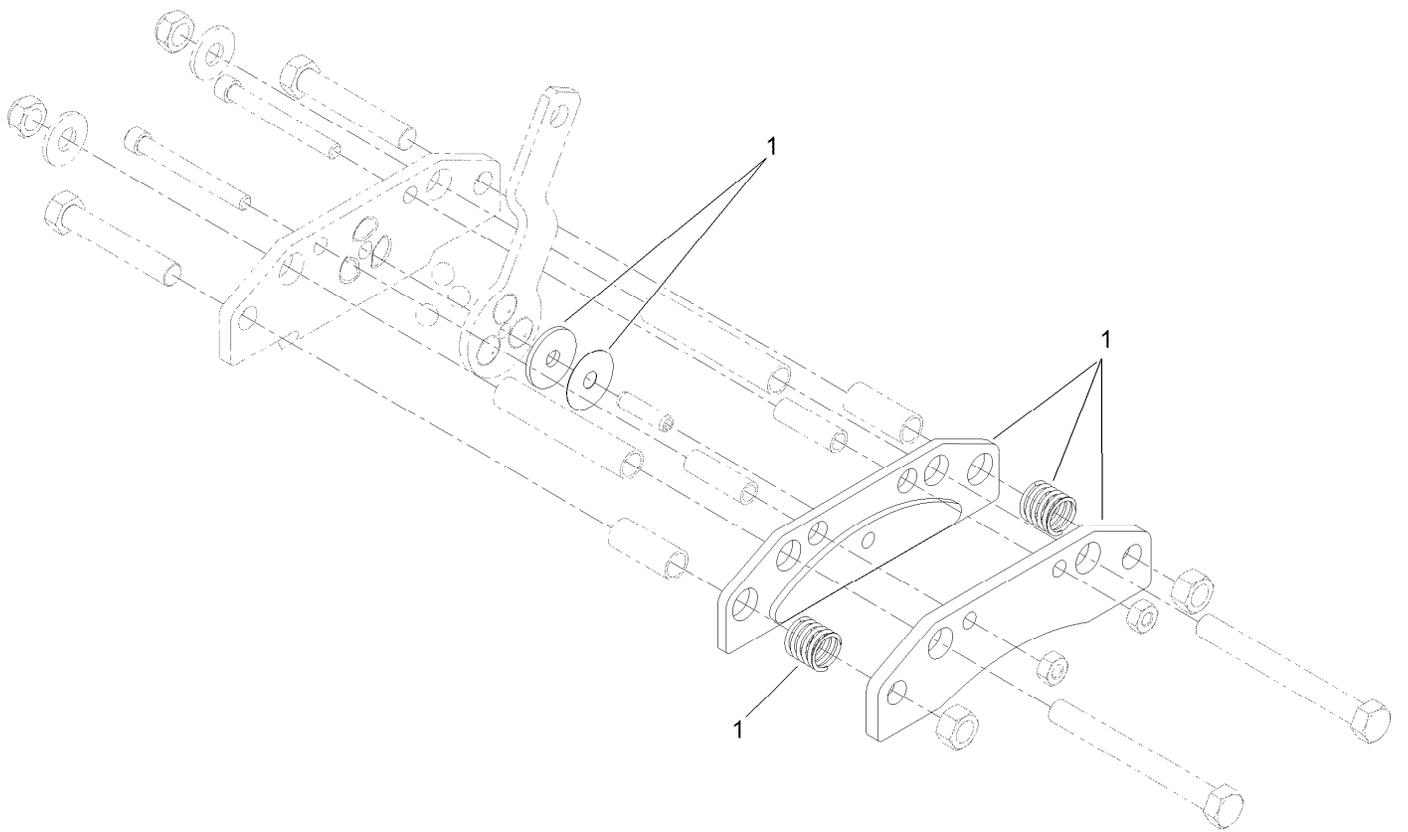
Hydraulic Motor Assembly No. 108-5155

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1 | 3257-42 | 1 | Key-Woodruff |
| 2 | 107-9319 | 1 | Nut-Hex |
| 3 | 112-8405 | 1 | Seal Kit |



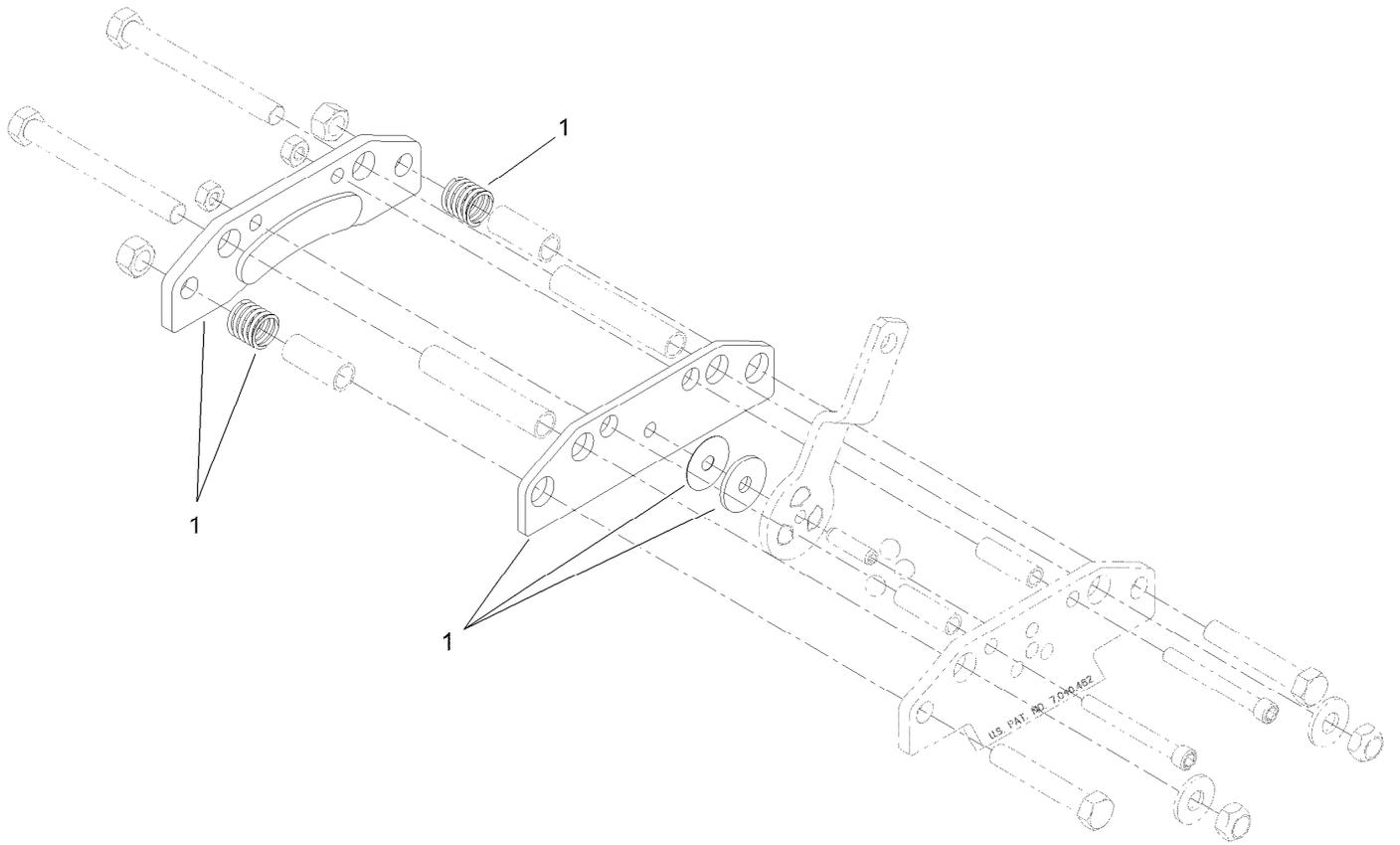
Hydraulic Motor Assembly No. 108-5230

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1 | 3257-42 | 1 | Key-Woodruff |
| 2 | 107-9319 | 1 | Nut-Hex |
| 3 | 112-8405 | 1 | Seal Kit |



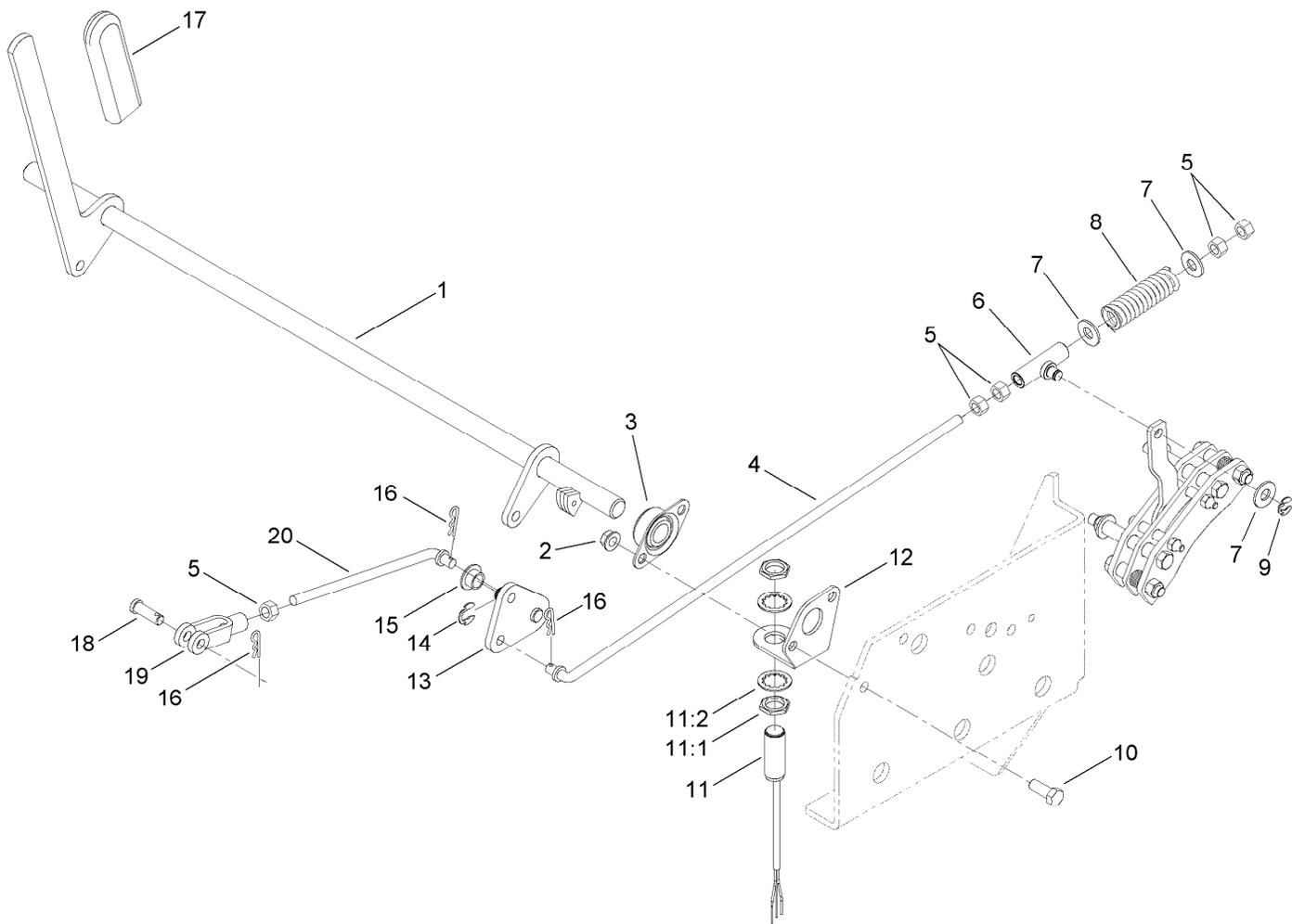
LH Brake Caliper Assembly No. 120-0013

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------------------|
| 1 | 120-0015 | 1 | Replacement Brake Pad Service Kit |



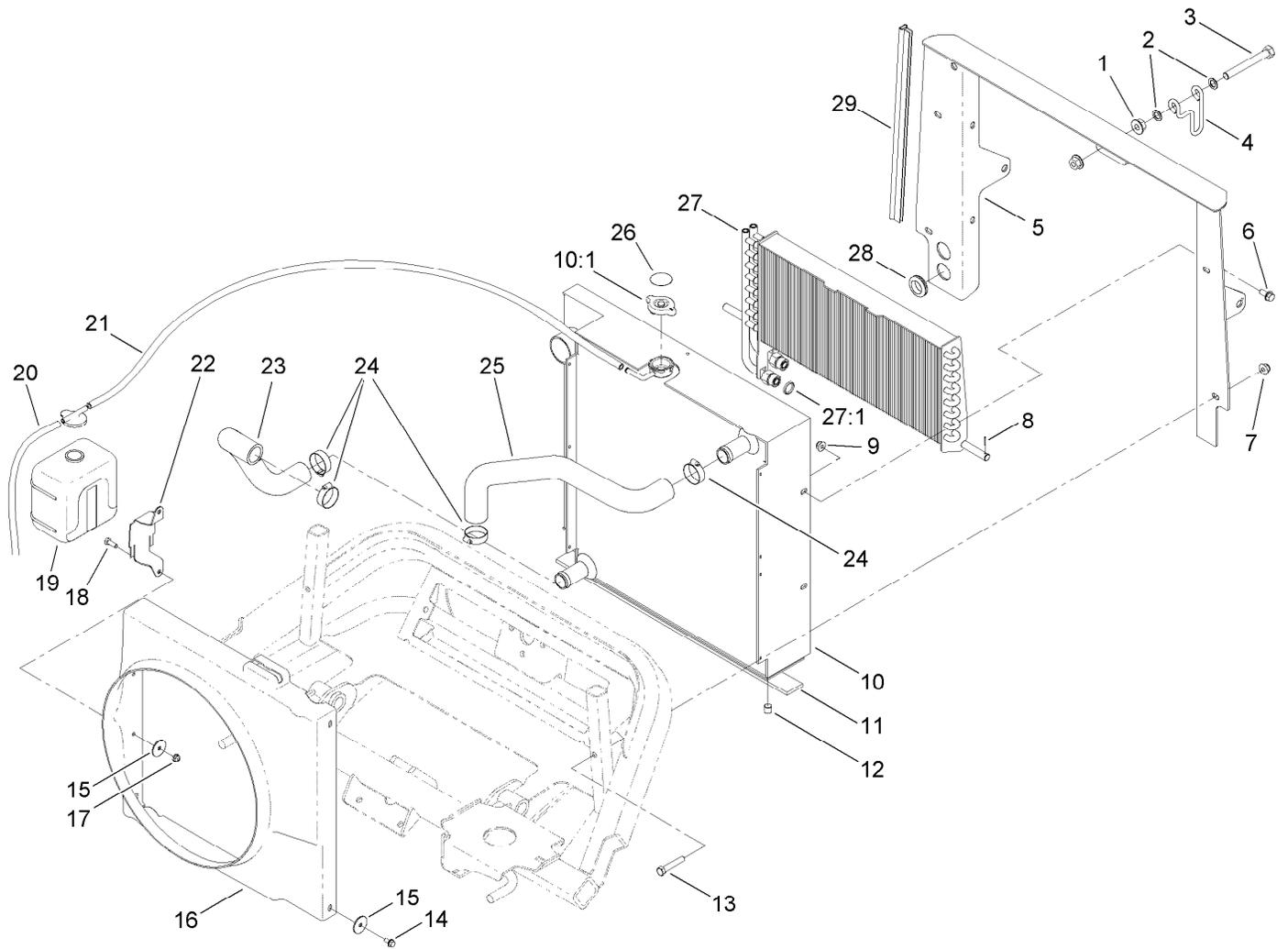
RH Brake Caliper Assembly No. 120-0014

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------------------|
| 1 | 120-0015 | 1 | Replacement Brake Pad Service Kit |



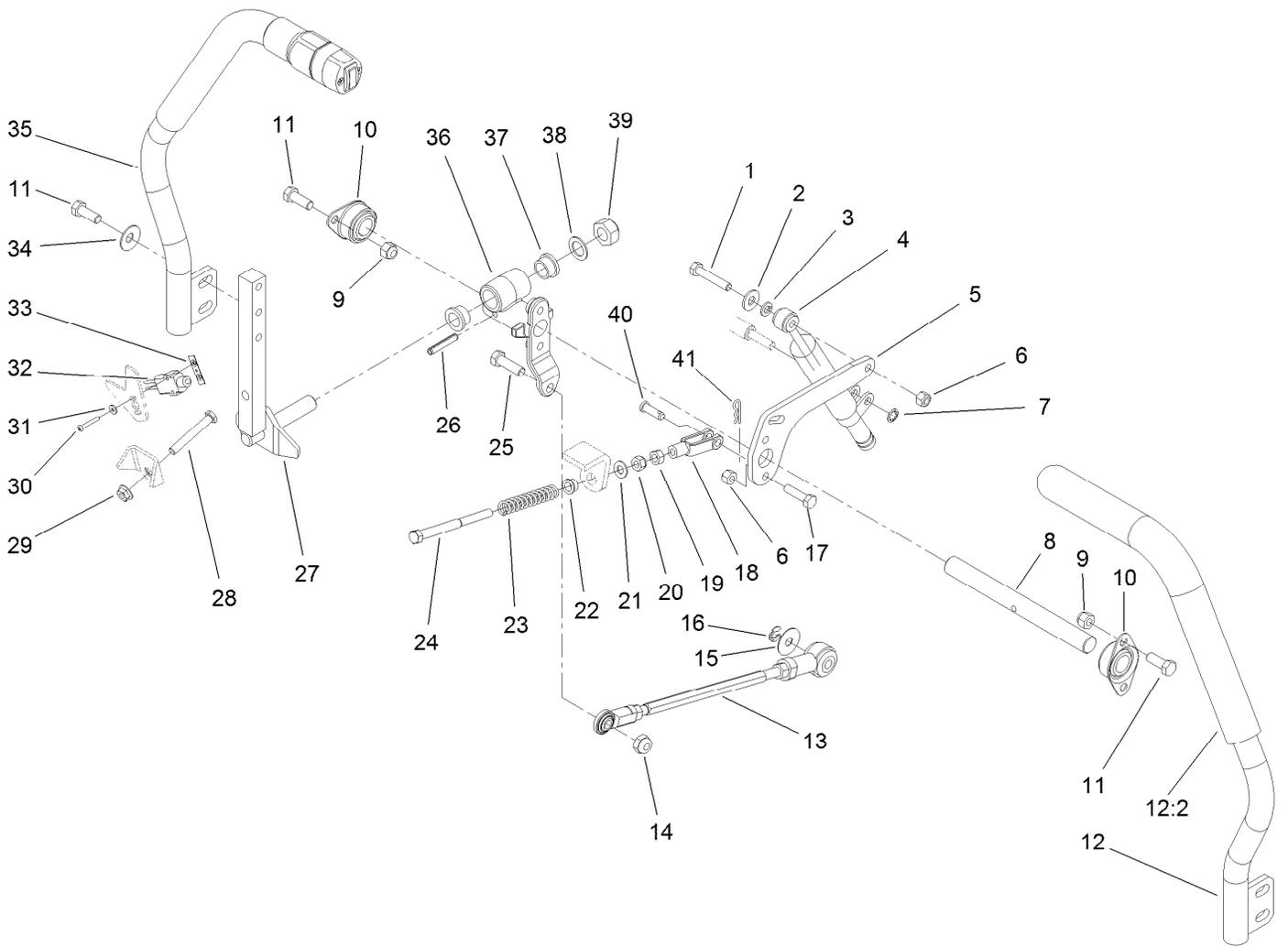
Brake Handle Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------|------|-------------|------|-----------------------------|
| 1 | 117-5582-03 | 1 | Handle-Brake | 11:1 | 117-3207 | 2 | Nut-Hex |
| 2 | 3290-357 | 4 | Nut-HHF, Whiz | 11:2 | 117-3208 | 2 | Washer-Lock, Internal Tooth |
| 3 | 1-633102 | 2 | Bearing-Flange, Side | 12 | 117-5572 | 1 | Bracket-Switch |
| 4 | 120-0009 | 2 | Rod-Brake | 13 | 120-0022 | 2 | Brake Pivot ASM |
| 5 | 3219-3 | 10 | Nut-Hex | 14 | 32151-68 | 2 | Ring-Retaining |
| 6 | 112-1676 | 2 | Swivel | 15 | 1-513140 | 4 | Bearing-Control |
| 7 | 3256-4 | 6 | Washer-Flat | 16 | 3290-307 | 6 | Pin-Hair |
| 8 | 109-2230 | 2 | Spring-Compression | 17 | 1-633268 | 1 | Grip-Lever |
| 9 | 32151-47 | 2 | Ring-Retaining | 18 | 1-808285 | 2 | Pin-Clevis |
| 10 | 323-6 | 4 | Screw-HH | 19 | 1-633131 | 2 | Yoke-Linkage, Brake |
| 11 | 115-5300 | 1 | Proximity Switch ASM | 20 | 120-0023 | 2 | Rod-Brake |



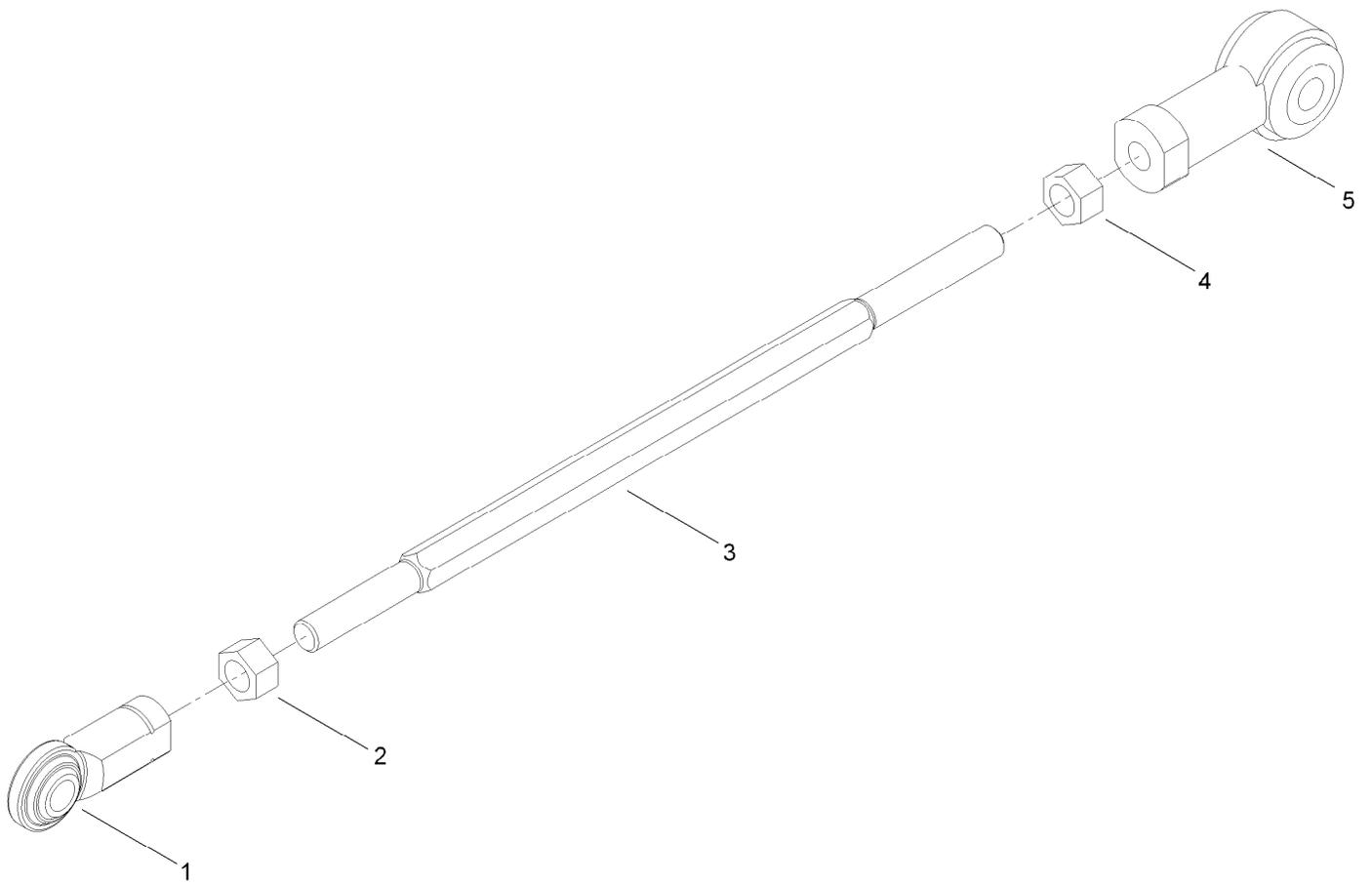
Radiator and Oil Cooler Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------------|------|-------------|------|----------------------|
| 1 | 32128-49 | 2 | Nut-HHF | 16 | 117-9232 | 1 | Shroud-Fan |
| 2 | 41-8440 | 2 | Washer | 17 | 104-7201 | 2 | Nut-HF |
| 3 | 325-17 | 1 | Screw-HH | 18 | 321-4 | 2 | Screw-HH |
| 4 | 104-5429 | 1 | Clamp-Form, Wire | 19 | 108-0638 | 1 | Bottle-Overflow |
| 5 | 110-8277-03 | 1 | Frame-Radiator | 20 | 108-3284 | 1 | Hose-Fuel |
| 6 | 3234-5 | 4 | Screw-HHF | 21 | 109-0274 | 1 | Hose-Fuel |
| 7 | 104-8301 | 4 | Nut-Flange, NI | 22 | 108-9930-03 | 1 | Bracket-Bottle |
| 8 | 32121-107 | 1 | Pin-Roll, Slotted | 23 | 105-7283 | 1 | Hose-Radiator, Lower |
| 9 | 104-8300 | 4 | Nut-Flange, NI | 24 | 2412-34 | 4 | Clamp-Hose |
| 10 | 117-5135 | 1 | Radiator | 25 | 105-7282 | 1 | Hose-Radiator, Upper |
| 10:1 | 121-3518 | 1 | Cap-Radiator | 26 | 106-6755 | 1 | Decal-Cap, Radiator |
| 11 | 108-9935 | 1 | Strip-Foam | 27 | 112-1684 | 1 | Cooler-Oil |
| 12 | 99-8551 | 1 | Plug-Pipe | 27:1 | 237-30 | 2 | O-Ring |
| 13 | 323-10 | 4 | Screw-HH | 28 | 240-5 | 2 | Grommet |
| 14 | 32104-116 | 4 | Screw-HF | 29 | 107-2269 | 2 | Seal-Bulb |
| 15 | 3256-55 | 6 | Washer-Flat | | | | |



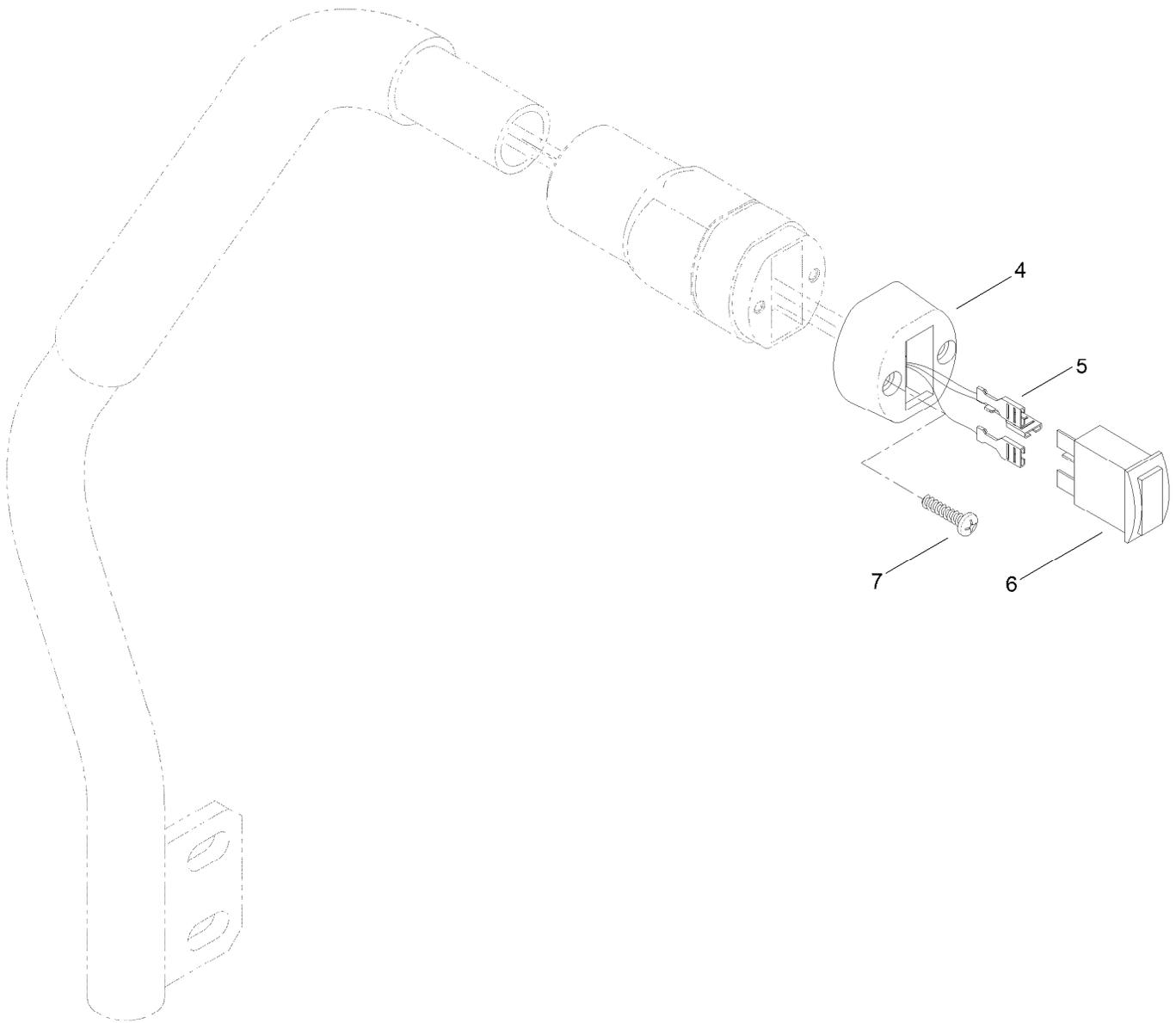
Traction Control Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------|------|-------------|------|------------------------|
| 1 | 322-9 | 2 | Screw-HH | 21 | 3256-23 | 2 | Washer-Flat |
| 2 | 3256-3 | 2 | Washer-Flat | 22 | 1-603735 | 2 | Bushing-Flanged |
| 3 | 3253-4 | 4 | Washer-Lock | 23 | 1-603807 | 2 | Spring-Return, Neutral |
| 4 | 105-7280 | 2 | Damper | 24 | 1-603737 | 2 | Bolt-Return, Neutral |
| 5 | 108-9829-03 | 2 | Lever-Damper | 25 | 323-7 | 2 | Screw-HH |
| 6 | 3296-29 | 6 | Nut-Lock, NI | 26 | 32121-15 | 2 | Pin-Roll |
| 7 | 32151-72 | 2 | Ring-Retaining | 27 | 108-9833-03 | 2 | Lever |
| 8 | 108-9830 | 2 | Shaft-Pivot | 28 | 9114524 | 2 | Bolt-TAP, HH |
| 9 | 3296-39 | 8 | Nut-Lock, NI | 29 | 32128-26 | 2 | Nut-Flange |
| 10 | 1-633102 | 4 | Bearing-Flange, Side | 30 | 3250-35 | 4 | Screw-PPH |
| 11 | 323-6 | 12 | Screw-HH | 31 | 3256-53 | 4 | Washer-Flat |
| 12 | 125-2688 | 1 | LH Lever ASM | 32 | 99-3410 | 2 | Switch |
| 12:2 | 125-2704 | 1 | Grip-Foam | 33 | 108-9824 | 2 | Nut-Switch |
| 13 | 112-5099 | 2 | Link ASM | 34 | 3290-461 | 4 | Washer-Spring |
| 14 | 3296-44 | 2 | Nut-Lock, NI | 35 | 125-2687 | 1 | RH Lever ASM |
| 15 | 105-6814 | 2 | Washer-Plain | 36 | 108-9831 | 2 | Hub-Control |
| 16 | 32151-47 | 2 | Ring-Retaining | 37 | 105-3455 | 4 | Bushing |
| 17 | 322-6 | 4 | Screw-HH | 38 | 105-3481 | 4 | Washer-Thrust |
| 18 | 1-303105 | 2 | Yoke-Adjustable | 39 | 32152-6 | 2 | Nut-Lock, Cone |
| 19 | 3219-2 | 2 | Nut-Hex | 40 | 283-1 | 2 | Pin-Clevis |
| 20 | 3296-4 | 2 | Nut-Lock | 41 | 3290-307 | 2 | Pin-Hair |



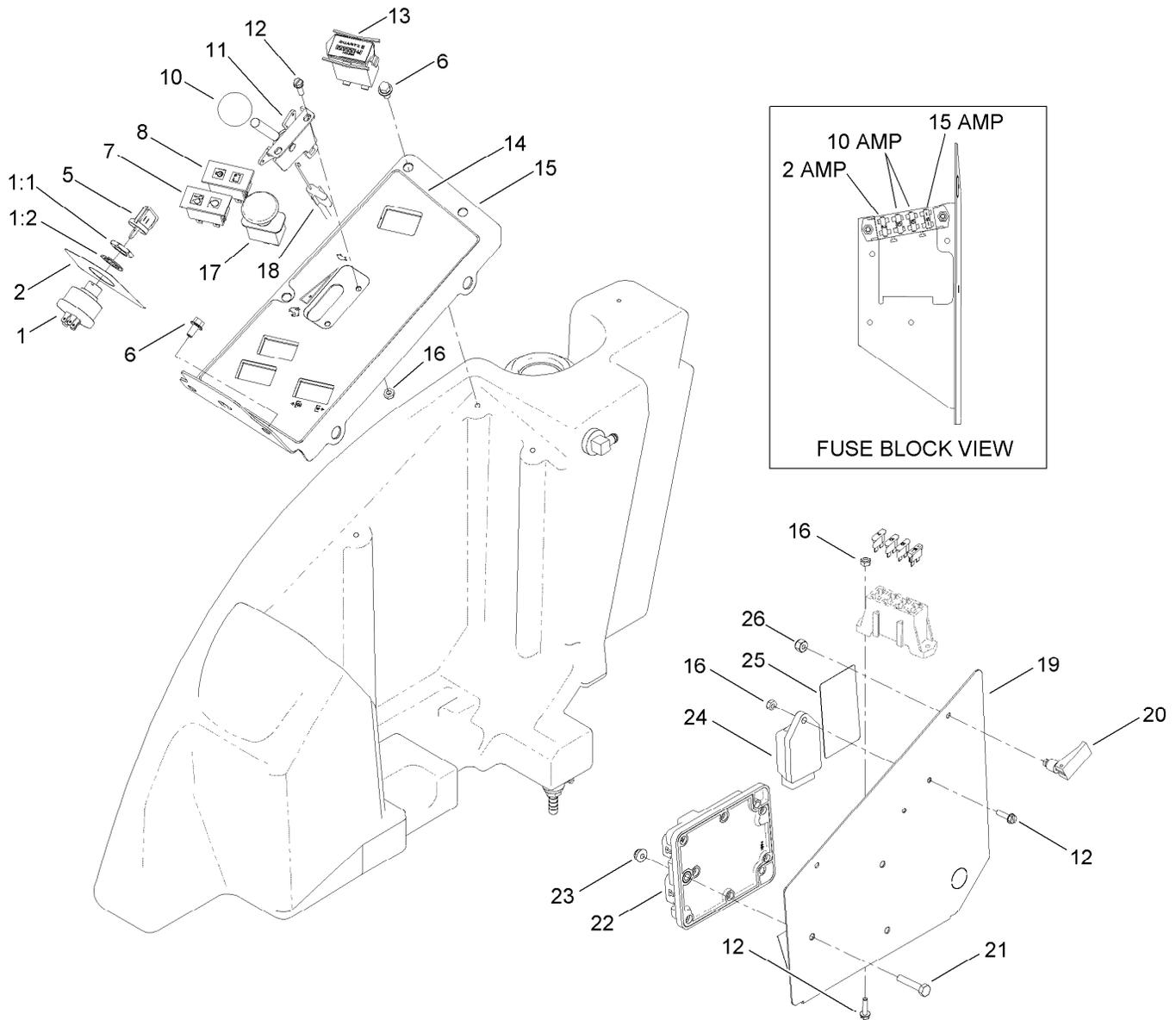
Link Assembly No. 112-5099

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



RH Lever Assembly No. 125-2687

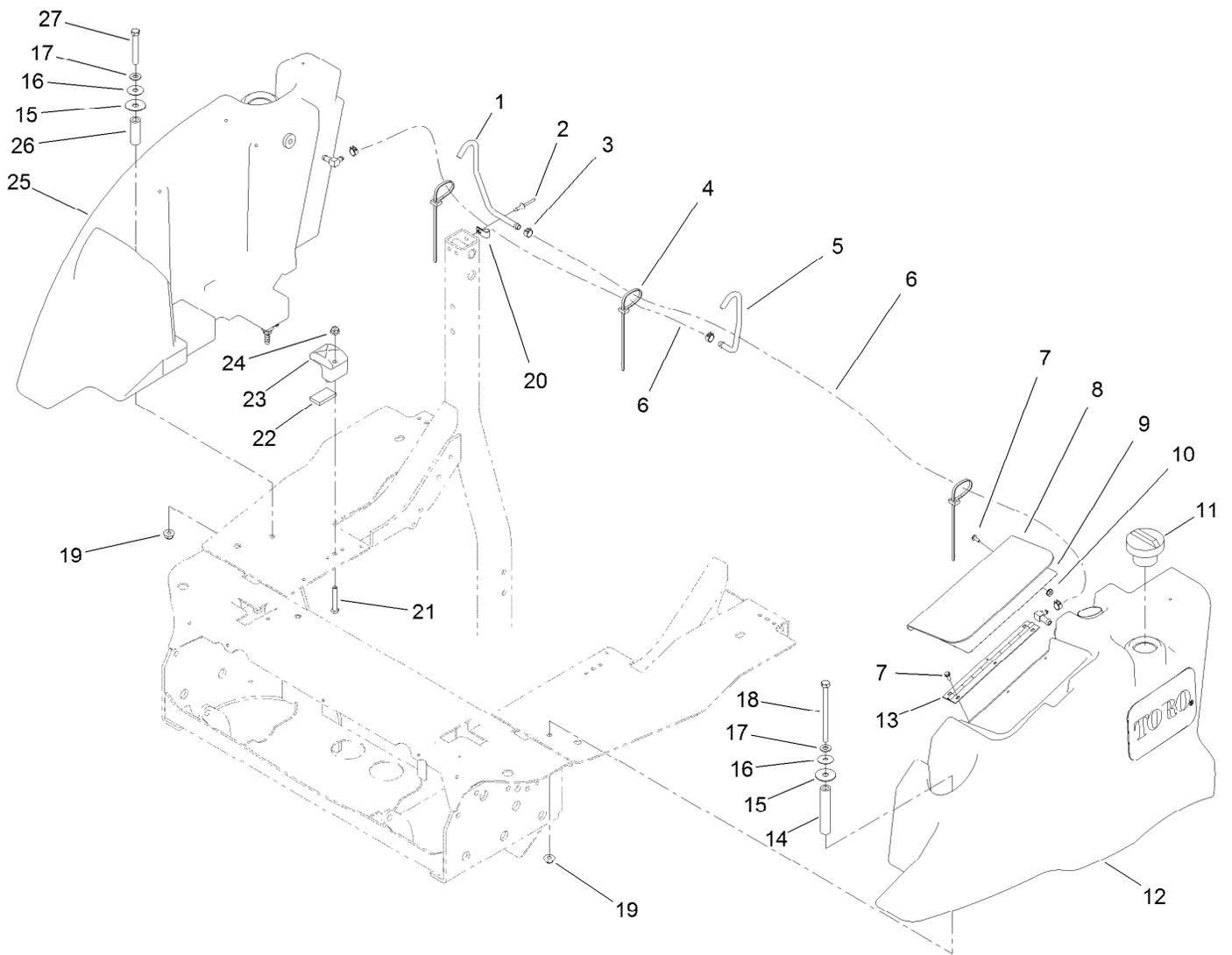
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------------|
| 4 | 121-3399 | 1 | Cap-Switch |
| 5 | 119-4382 | 1 | Harness-Control Handle |
| 6 | 125-2702 | 1 | Switch, Spst (On)-Off-On |
| 7 | 94-4496 | 2 | Screw-PPH |



Control Panel Assembly

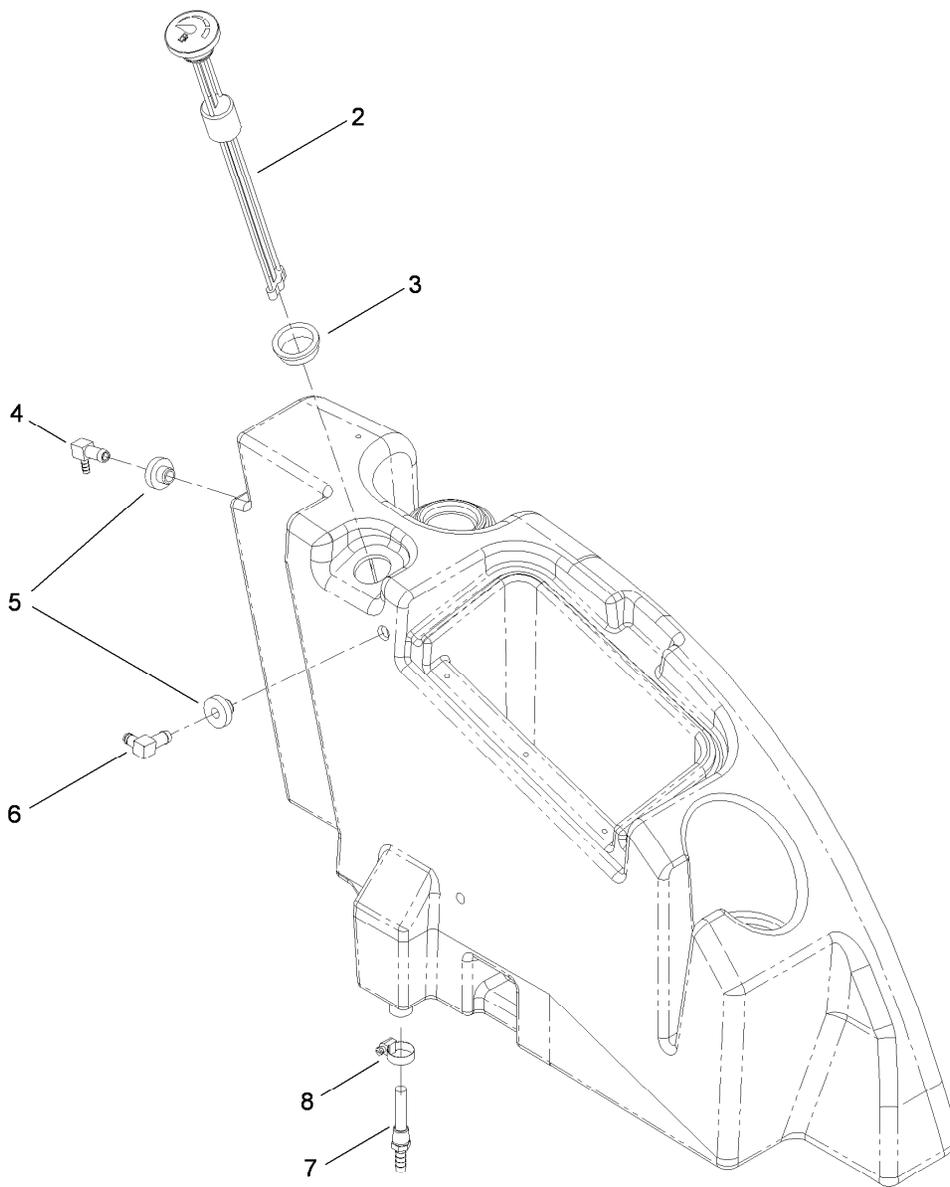
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------------|
| 1 | 104-2541 | 1 | Switch ASM |
| 1:1 | 218-461 | 1 | Nut-HH |
| 1:2 | 3254-5 | 1 | Washer-Tooth, Internal |
| 2 | 110-8254 | 1 | Decal-Start, Control Panel |
| 5 | 63-8360 | 2 | Key-Ignition (W/Shield) |
| 6 | 3234-13 | 5 | Screw-HHF |
| 7 | 100-8071 | 1 | Lamp-Warning |
| 8 | 100-8070 | 1 | Lamp-Warning |
| 10 | 233-42 | 1 | Knob |
| 11 | 110-5547 | 1 | Control Lever ASM |
| 12 | 32105-13 | 5 | Screw-HWH |
| 13 | 1-513374 | 1 | Meter-Hour |
| 14 | 110-8253 | 1 | Decal-Panel, Control |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|--------------------------|
| 15 | 110-8256-03 | 1 | Panel-Control |
| 16 | 3296-2 | 7 | Nut-Lock, NI |
| 17 | 93-9999 | 1 | Switch-PTO |
| 18 | 110-5548 | 1 | Cable-Throttle |
| 19 | 110-8257-03 | 1 | Cover-Panel, Control |
| 20 | 74-5950 | 2 | Latch-Swell |
| 21 | 321-13 | 3 | Screw-HH |
| 22 | 106-9277 | 1 | Module-Control, Standard |
| 23 | 104-7201 | 3 | Nut-HF |
| 24 | 107-9097 | 1 | Controller-Glow |
| 25 | 110-9796 | 1 | Decal-Block, Fuse |
| 26 | 1-804254 | 2 | Nut-Lock, HH |



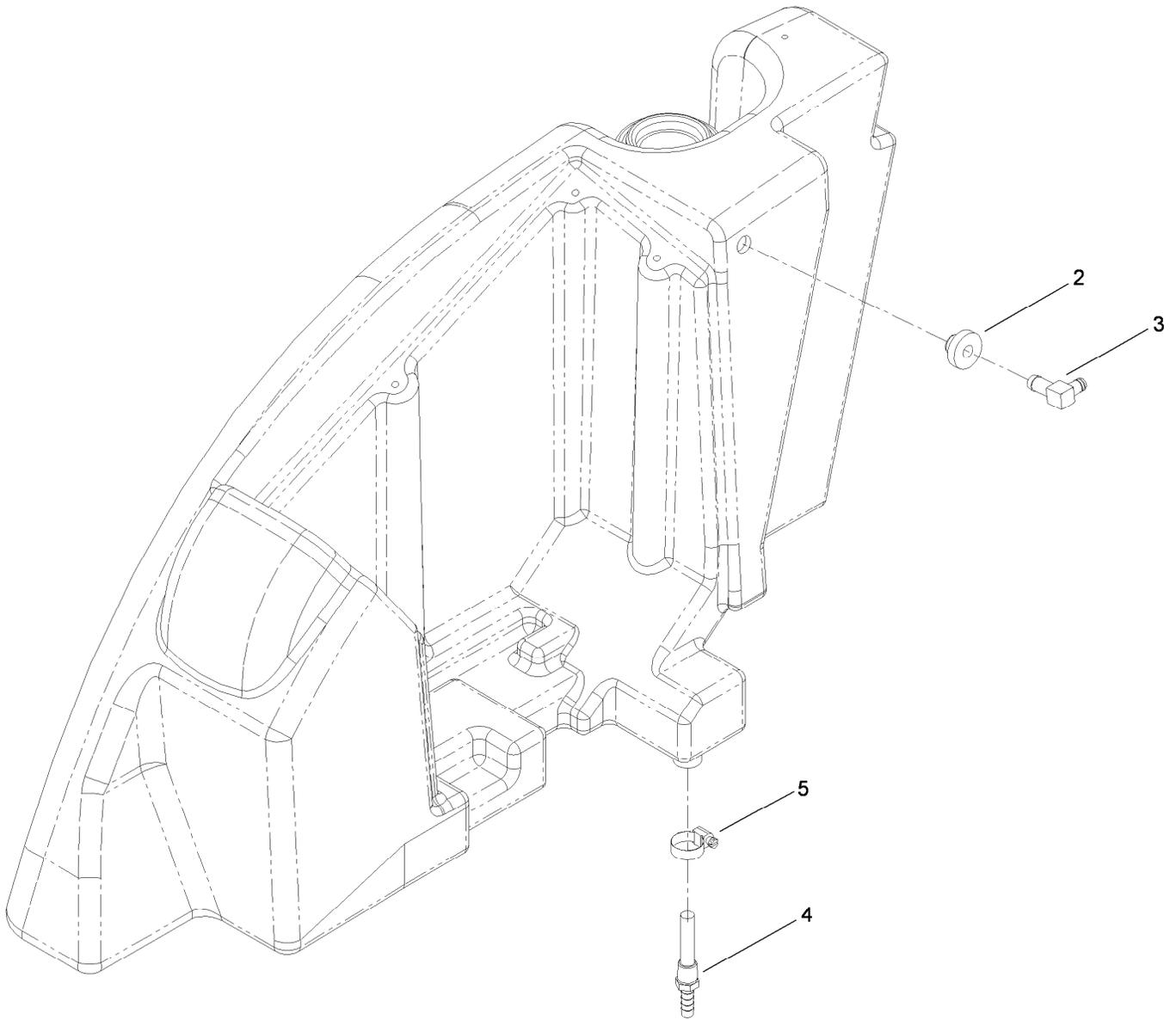
Left-Hand and Right-Hand Fuel Tank Assembly

| <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 | 110-8260 | 1 | Tube-Vent, RH | 15 | 95-1905 | 2 | Washer-Rubber |
| 2 | 3290-412 | 2 | Rivet | 16 | 105-6814 | 2 | Washer-Plain |
| 3 | 92-2379 | 8 | Clamp-Hose | 17 | 3256-24 | 2 | Washer-Flat |
| 4 | 3290-378 | 3 | Tie-Cable | 18 | 323-39 | 1 | Screw-HH |
| 5 | 110-8261 | 1 | Tube-Vent, LH | 19 | 104-8301 | 2 | Nut-Flange, NI |
| 6 | 110-6186 | 2 | Hose-Fuel | 20 | 2412-89 | 2 | Clamp-R |
| 7 | 112-6349 | 6 | Screw-HWH | 21 | 322-10 | 4 | Screw-HH |
| 8 | 110-5540-03 | 1 | Cover-Toolbox | 22 | 112-9561 | 4 | Pad-Foam |
| 9 | 110-8252 | 1 | Decal-Instructions, Service | 23 | 107-4543 | 4 | Clamp |
| 10 | 32149-8 | 3 | Nut-Keps | 24 | 104-8300 | 4 | Nut-Flange, NI |
| 11 | 115-5305 | 2 | Cap-Fuel | 25 | 110-8236 | 1 | RH Fuel Tank ASM |
| 12 | 110-8230 | 1 | LH Fuel Tank ASM | 26 | 92-1239 | 1 | Spacer-Support |
| 13 | 108-2024 | 1 | Hinge | 27 | 323-13 | 1 | Screw-HH |
| 14 | 110-5539 | 1 | Spacer | | | | |



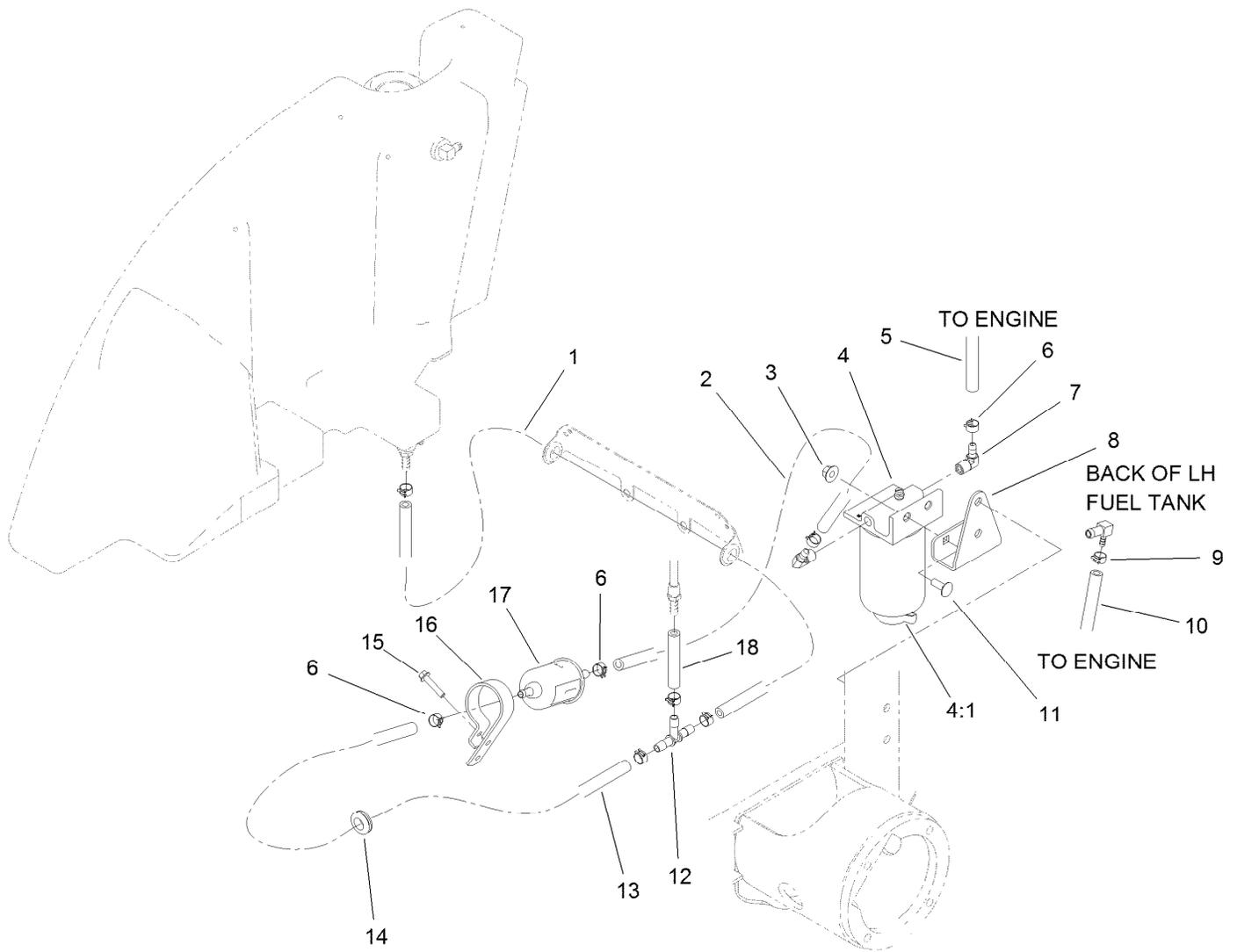
LH Fuel Tank Assembly No. 110-8230

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 2 | 110-8262 | 1 | Gauge-Fuel |
| 3 | 95-8972 | 1 | Grommet |
| 4 | 104-5228 | 1 | Fitting-Elbow, 90 DEG |
| 5 | 46-6560 | 2 | Bushing |
| 6 | 1-643259 | 1 | Fitting-Elbow |
| 7 | 112-6374 | 1 | Fitting-Strainer |
| 8 | 2412-36 | 1 | Clamp-Hose |



RH Fuel Tank Assembly No. 110-8236

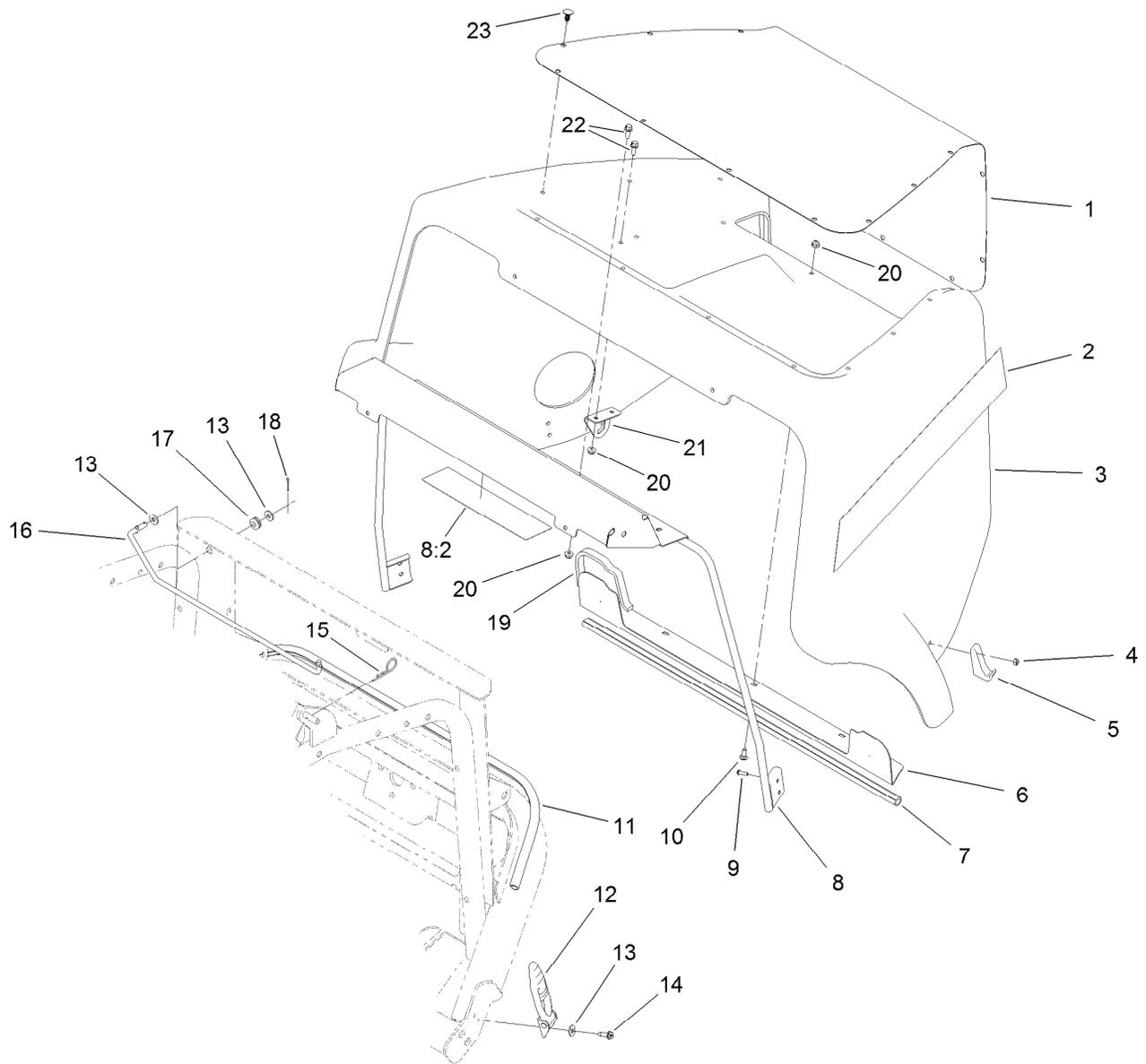
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 2 | 46-6560 | 1 | Bushing |
| 3 | 1-643259 | 1 | Fitting-Elbow |
| 4 | 112-6374 | 1 | Fitting-Strainer |
| 5 | 2412-36 | 1 | Clamp-Hose |



Fuel Filter / Seperator Assembly

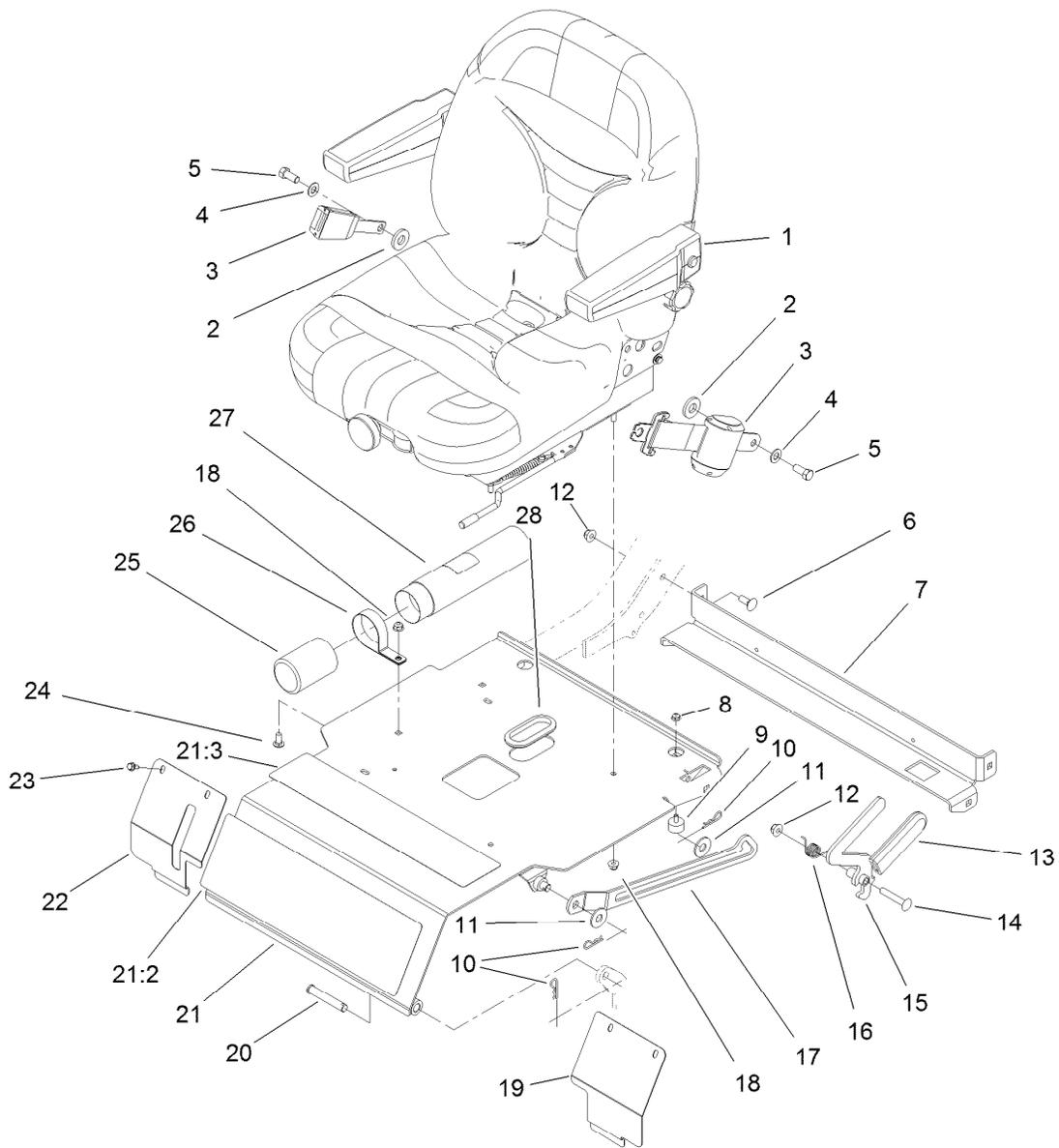
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------|
| 1 | 109-0309 | 1 | Hose-Fuel |
| 2 | 114-4028 | 1 | Hose-Fuel |
| 3 | 32128-44 | 2 | Nut |
| 4 | 110-9044 | 1 | Filter-Seperator |
| 4:1 | 110-9049 | 1 | Filter-Spin On |
| 5 | 110-4104 | 1 | Hose-Fuel |
| 6 | 92-2379 | 8 | Clamp-Hose |
| 7 | 353-781 | 2 | Fitting-Elbow |
| 8 | 114-4058-03 | 1 | Mount-Separator |
| 9 | 2412-80 | 2 | Clamp-Hose |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|--------------------|
| 10 | 110-8255 | 1 | Hose-Fuel |
| 11 | 3230-10 | 2 | Screw-CARR |
| 12 | 354-107 | 1 | Fitting-HYD, Tee |
| 13 | 110-4113 | 1 | Hose-Fuel |
| 14 | 237-124 | 1 | Grommet |
| 15 | 32144-110 | 1 | Screw-HWH |
| 16 | 110-8817 | 1 | Bracket-Pump, Fuel |
| 17 | 110-8806 | 1 | Pump-Fuel |
| 18 | 112-6388 | 1 | Hose-Fuel |



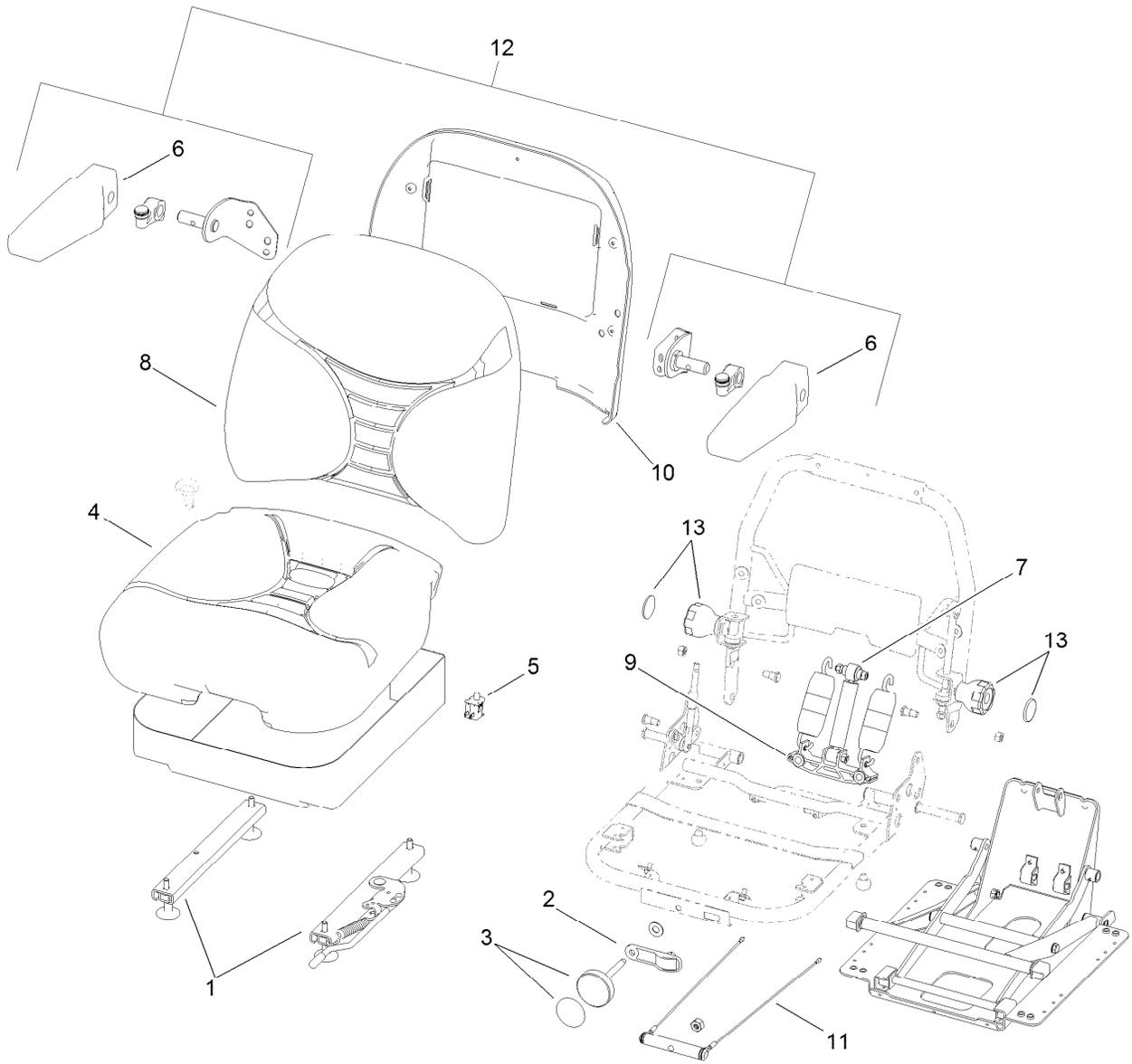
Hood and Screen Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1 | 115-1446-03 | 1 | Screen-Intake | 12 | 103-2898 | 2 | Latch-Rubber |
| 2 | 110-5545 | 2 | Decal-Hood | 13 | 3256-2 | 4 | Washer-Flat |
| 3 | 108-9909 | 1 | Hood | 14 | 32104-95 | 2 | Screw-HWH |
| 3 | 112-6311 | 1 | Hood ASM | 15 | 3290-255 | 1 | Pin-Cotter, Hair |
| 4 | 3296-2 | 4 | Nut-Lock, NI | 16 | 110-8291 | 1 | Rod-Prop, Hood |
| 5 | 103-2897 | 2 | Latch-Catch | 17 | 237-136 | 1 | Grommet |
| 6 | 110-8285-03 | 1 | Angle-Seal | 18 | 3272-6 | 1 | Pin-Cotter |
| 7 | 110-8287 | 1 | Bulb-Seal | 19 | 110-8288 | 2 | Seal-Foam |
| 8 | 110-9795 | 1 | Support-Hood | 20 | 104-7201 | 11 | Nut-HF |
| 8:2 | 110-9781 | 1 | Decal-Danger | 21 | 108-9811 | 1 | Support-Rod, Prop |
| 9 | 3274-39 | 4 | Screw-HSBH | 22 | 3234-33 | 8 | Screw-HHF |
| 10 | 3229-11 | 3 | Screw-CARR | 23 | 117-2382 | 17 | Plug-Plastic |
| 11 | 112-1694 | 1 | Seal-Bulb | | | | |



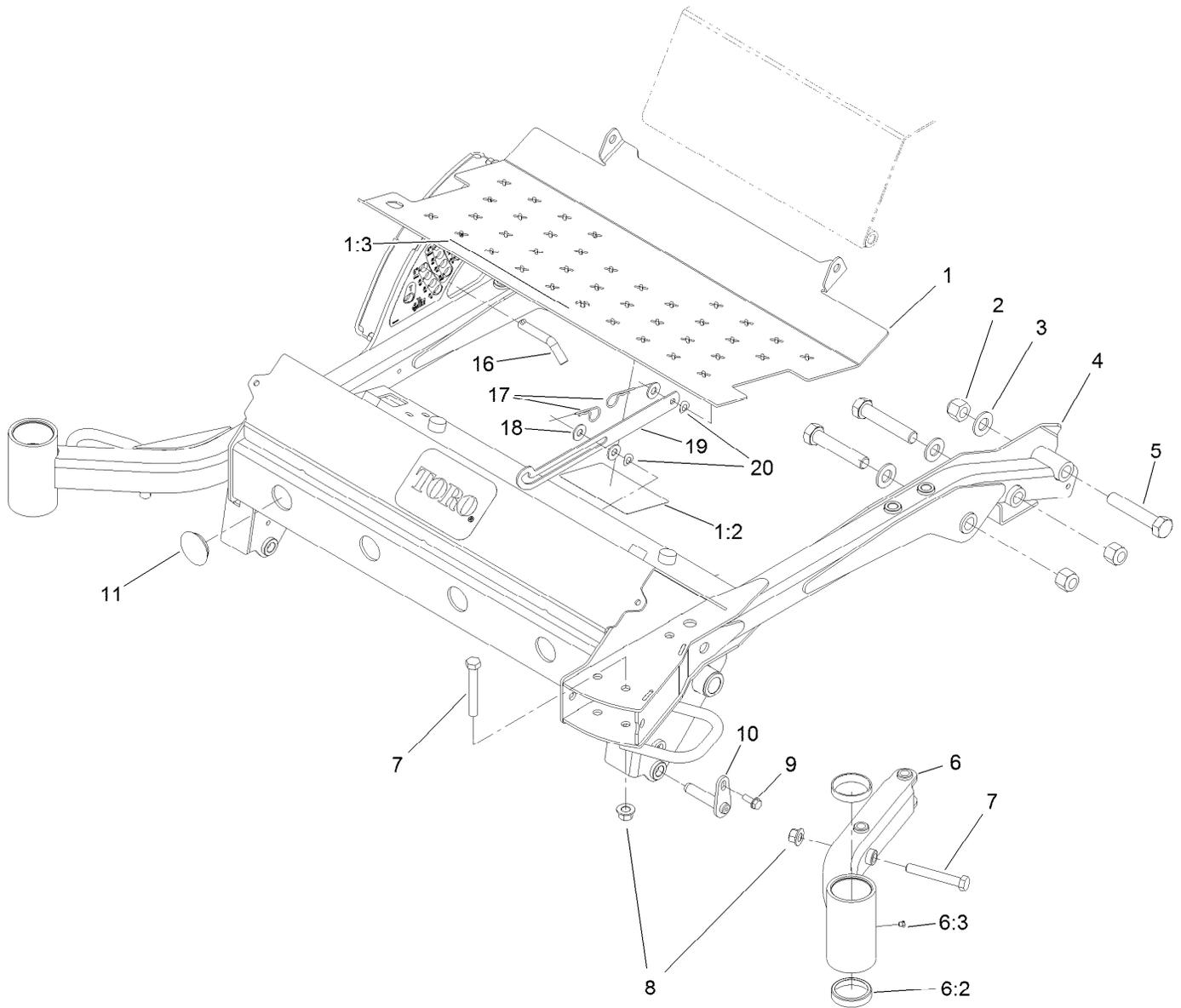
Seat and Seat-Plate Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|----------------------|
| 1 | 107-2286 | 1 | Seat ASM | 16 | 121-3386 | 1 | Spring-Torsion |
| 2 | 99-7667 | 2 | Washer-Flat | 17 | 120-0097-03 | 1 | Prop-Seat |
| 3 | 110-0413 | 1 | Seatbelt-Retractable | 18 | 104-8300 | 6 | Nut-Flange, NI |
| 4 | 3256-25 | 2 | Washer-Flat | 19 | 120-9191-03 | 1 | Cover-LH |
| 5 | 3212-4 | 2 | Screw-HH | 20 | 283-55 | 2 | Pin-Clevis |
| 6 | 3231-2 | 4 | Bolt-CARR | 21 | 120-9197 | 1 | Seat Plate ASM |
| 7 | 120-0095-03 | 1 | Support-Seat | 21:2 | 120-9195 | 1 | Decal-Safety |
| 8 | 104-7201 | 2 | Nut-HF | 21:3 | 120-9196 | 1 | Decal-Top Console Ce |
| 9 | 240-14 | 2 | Bumper-Rubber | 22 | 120-9192-03 | 1 | Cover-RH |
| 10 | 3290-467 | 4 | Pin-Hair | 23 | 32144-10 | 4 | Screw-HWH |
| 11 | 3256-6 | 2 | Washer-Flat | 24 | 3230-23 | 2 | Screw-CARR |
| 12 | 104-8301 | 5 | Nut-Flange, NI | 25 | 104-7048 | 1 | Cap-Housing |
| 13 | 1-633268 | 1 | Grip-Lever | 26 | 2412-133 | 2 | R-Clamp |
| 14 | 3231-40 | 1 | Bolt-CARR, Short Neck | 27 | 104-7050 | 1 | Tube-Manual |
| 15 | 121-3390 | 1 | Lever-Seat | 28 | 237-164 | 1 | Grommet |



Seat Assembly No. 107-2286

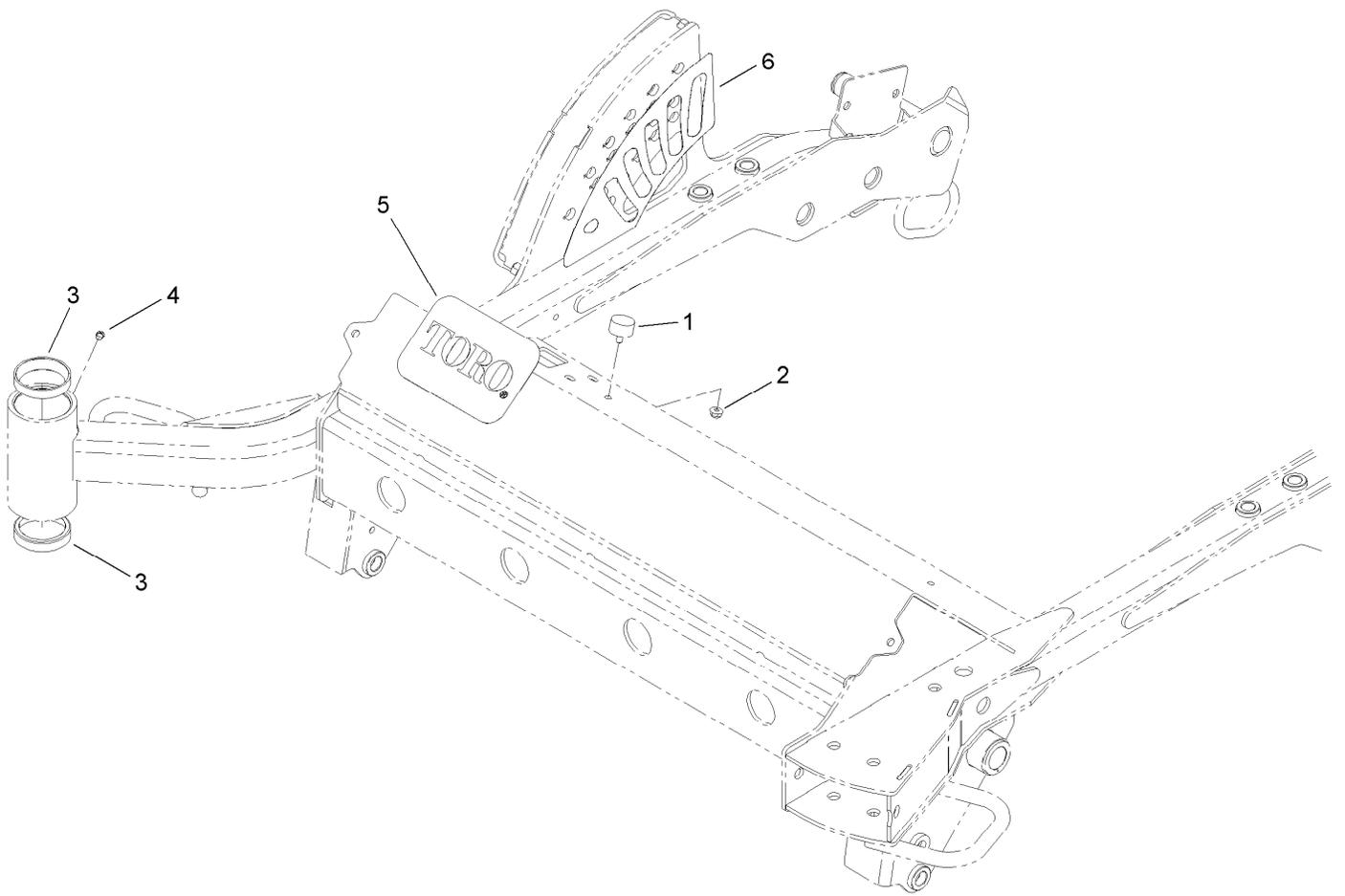
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 1 | 107-1880 | 1 | Seat Track Kit |
| 2 | 107-1885 | 1 | Weight Indicator Kit |
| 3 | 121-9431 | 1 | Knob Kit |
| 4 | 107-1883 | 1 | Bottom Cushion Kit |
| 5 | 82-2190 | 1 | Switch-Bail |
| 6 | 107-1887 | 2 | Pad-Armrest |
| 7 | 107-1884 | 1 | Shock Absorber Kit |
| 8 | 107-1882 | 1 | Back Cushion Kit |
| 9 | 109-3343 | 1 | Spring And Saddle Kit |
| 10 | 109-3344 | 1 | Back Panel Kit |
| 11 | 109-3345 | 1 | Weight Adjust Kit |
| 12 | 121-9415 | 1 | Armrest Kit |
| 13 | 121-9432 | 2 | Adjust Knob Kit |



Floorplate and Carrier Frame Assembly

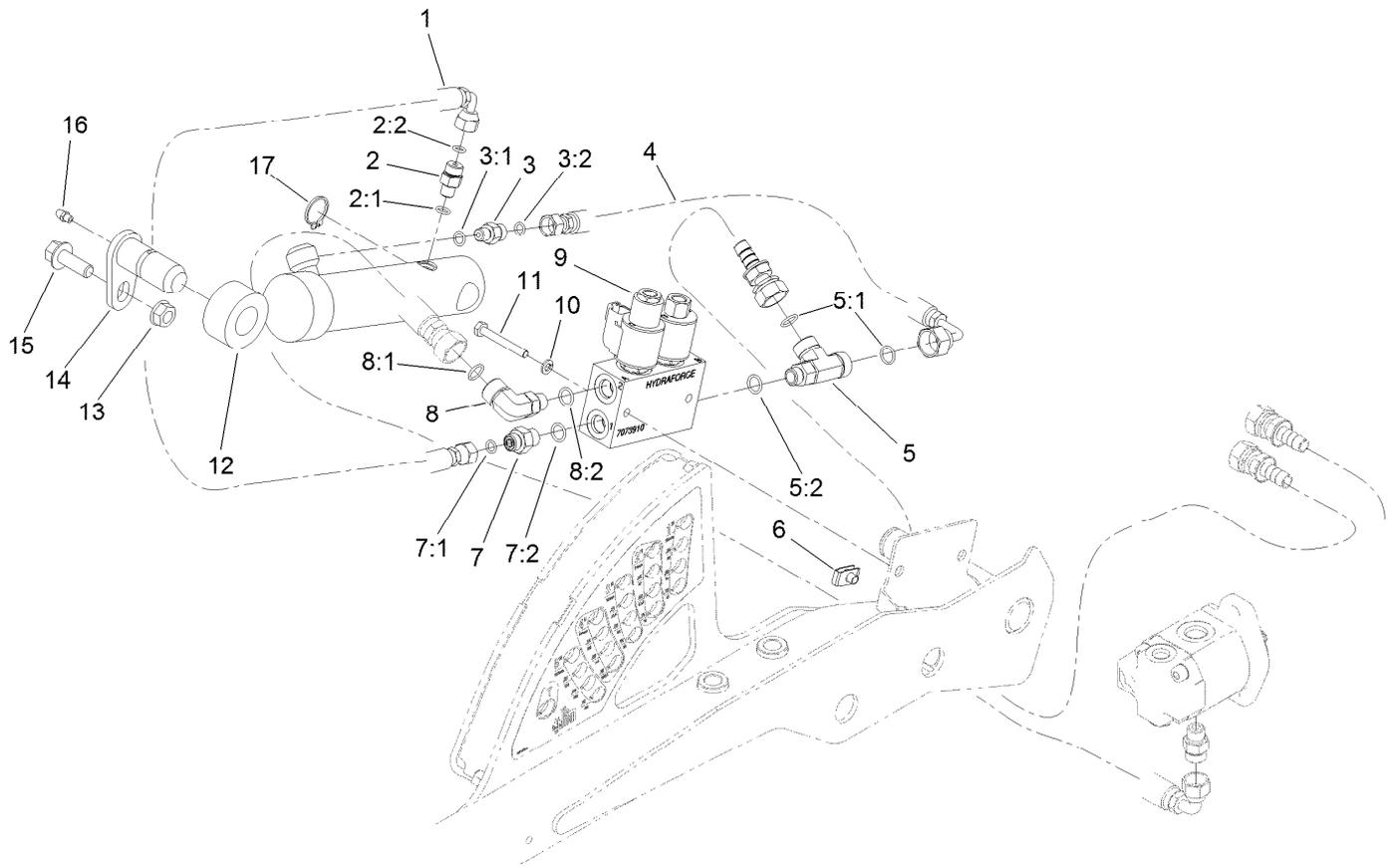
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------|
| 1 | 120-9165 | 1 | Floorplate ASM |
| 1:2 | 112-1461 | 1 | Decal-Routing, Belt |
| 1:3 | 107-1866 | 1 | Decal-Danger, Slope |
| 2 | 3296-51 | 5 | Nut-Lock, NI |
| 3 | 92-5836 | 5 | Washer |
| 4 | 121-3356 | 1 | Carrier Frame ASM |
| 5 | 328-7 | 5 | Screw-HH |
| 6 | 121-3340 | 1 | Castor Arm ASM |
| 6:2 | 254-107 | 2 | Cup-Bearing, Tapered |
| 6:3 | 1-811010 | 1 | Plug |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------|
| 7 | 325-14 | 3 | Screw-HH |
| 8 | 99-5107 | 3 | Nut-Lock |
| 9 | 32144-41 | 2 | Screw-Taptite |
| 10 | 112-1602 | 2 | Pin-Retainer |
| 11 | 121-3397 | 4 | Plug-Grommet |
| 16 | 112-9544 | 1 | Pin-HOC |
| 17 | 3290-255 | 2 | Pin-Cotter, Hair |
| 18 | 3256-4 | 3 | Washer-Flat |
| 19 | 121-3394-03 | 1 | Prop-Floor |
| 20 | 108571 | 2 | Washer-Spring |



Carrier Frame Assembly No. 121-3356

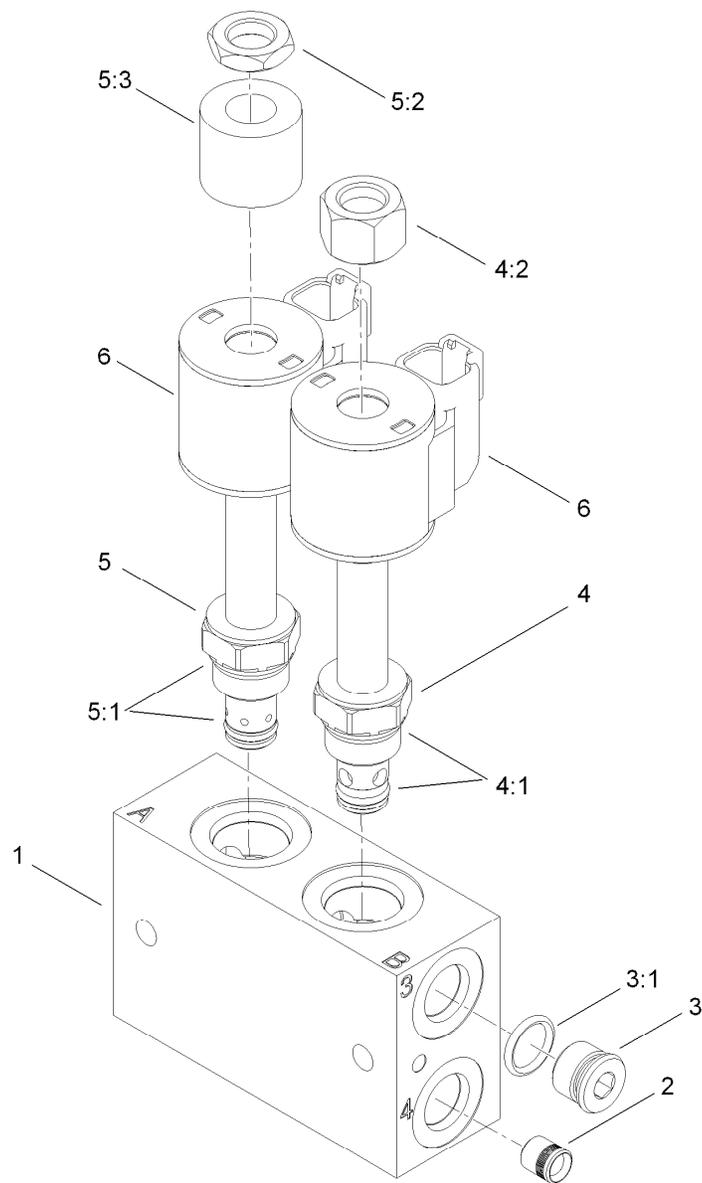
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|
| 1 | 240-14 | 4 | Bumper-Rubber |
| 2 | 104-7201 | 4 | Nut-HF |
| 3 | 254-107 | 2 | Cup-Bearing, Tapered |
| 4 | 1-811010 | 1 | Plug |
| 5 | 99-4693 | 1 | Decal |
| 6 | 120-9164 | 1 | Decal-HOC |



Lift Valve Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-----------------------|
| 1 | 119-4594 | 1 | HYD Hose ASM |
| 2 | 95-1639 | 1 | Fitting-HYD |
| 2:1 | 237-78 | 1 | O-Ring |
| 2:2 | 237-21 | 1 | O-Ring |
| 3 | 340-92 | 1 | Fitting-HYD, Straight |
| 3:1 | 237-78 | 1 | O-Ring |
| 3:2 | 237-21 | 1 | O-Ring |
| 4 | 121-3374 | 1 | Hose ASM-HYD |
| 5 | 110-0064 | 1 | Fitting-Tee |
| 5:1 | 237-30 | 2 | O-Ring |
| 5:2 | 237-42 | 1 | O-Ring |
| 6 | 107069 | 2 | Clip |
| 7 | 340-1 | 1 | Fitting-HYD, Straight |
| 7:1 | 237-21 | 1 | O-Ring |

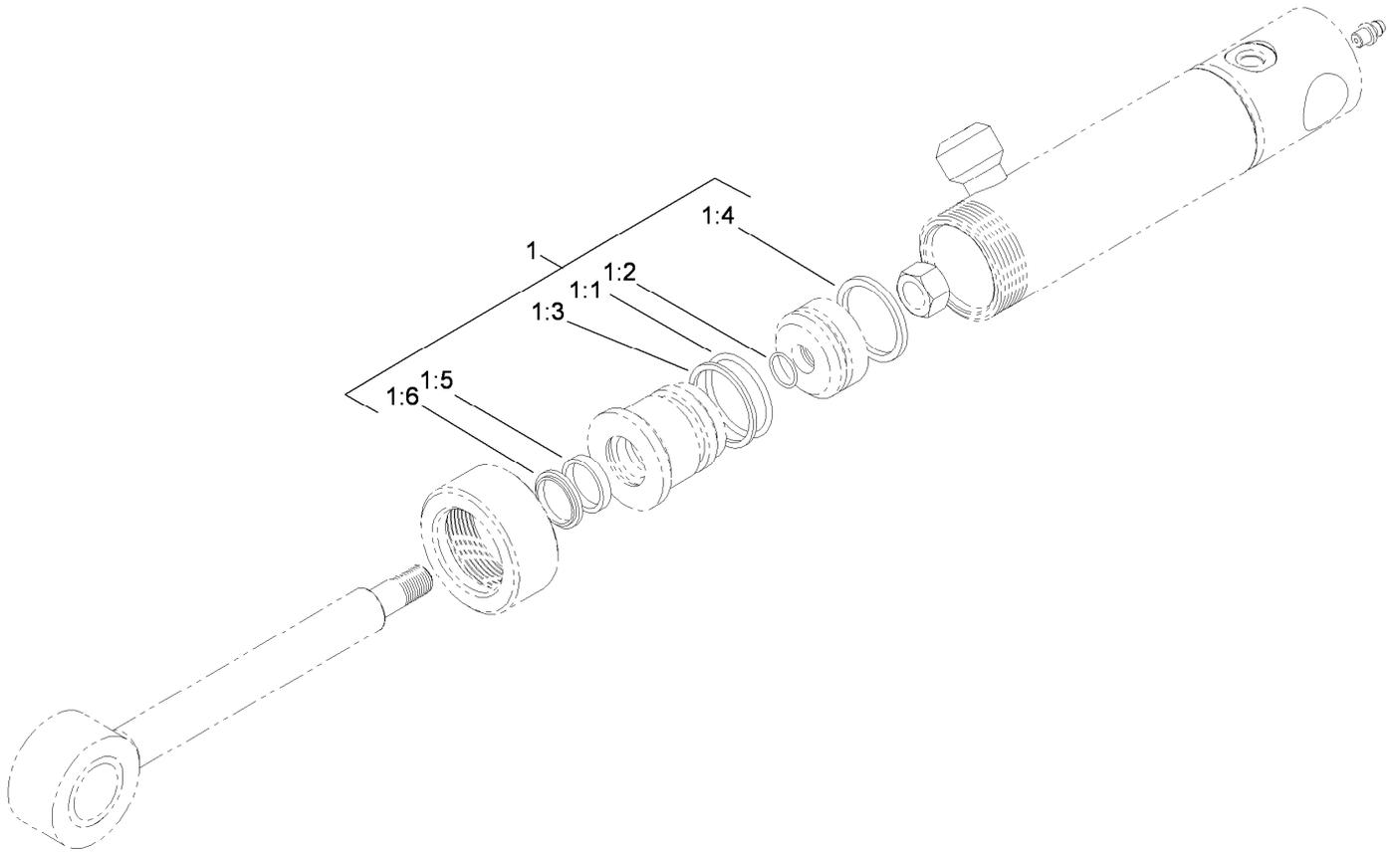
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|---------------------|
| 7:2 | 237-42 | 1 | O-Ring |
| 8 | 340-99 | 1 | Fitting-HYD, 90 DEG |
| 8:1 | 237-30 | 1 | O-Ring |
| 8:2 | 237-42 | 1 | O-Ring |
| 9 | 115-0356 | 1 | Deck Lift Valve ASM |
| 10 | 3253-3 | 2 | Washer-Lock |
| 11 | 321-11 | 2 | Screw-HH |
| 12 | 110-9834 | 1 | HYD Cylinder ASM |
| 13 | 32128-37 | 1 | Nut-HF |
| 14 | 98-2654 | 1 | Pin-Pivot |
| 15 | 3234-15 | 1 | Screw-HHF |
| 16 | 302-5 | 1 | Fitting-Grease |
| 17 | 32151-36 | 1 | Ring-Retaining |



Deck Lift Valve Assembly No. 115-0356

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------------|
| 1 | | 1 | Block-Manifold ● |
| 2 | | 1 | Plug ● |
| 3 | 353-512 | 1 | Plug |
| 3:1 | 237-78 | 1 | O-Ring |
| 4 | 107-7517 | 1 | Valve-Solenoid |
| 4:1 | 105-9156 | 1 | Seal Kit |
| 4:2 | 107-7812 | 1 | Nut-Solenoid |
| 5 | 110-8898 | 1 | Valve-Solenoid |
| 5:1 | 107-7527 | 1 | Seal Kit |
| 5:2 | 110-2634 | 1 | Nut-Coil |
| 5:3 | 110-8909 | 1 | Spacer-Coil |
| 6 | 119-8036 | 1 | E-Coil,12 Vdc,-08 |

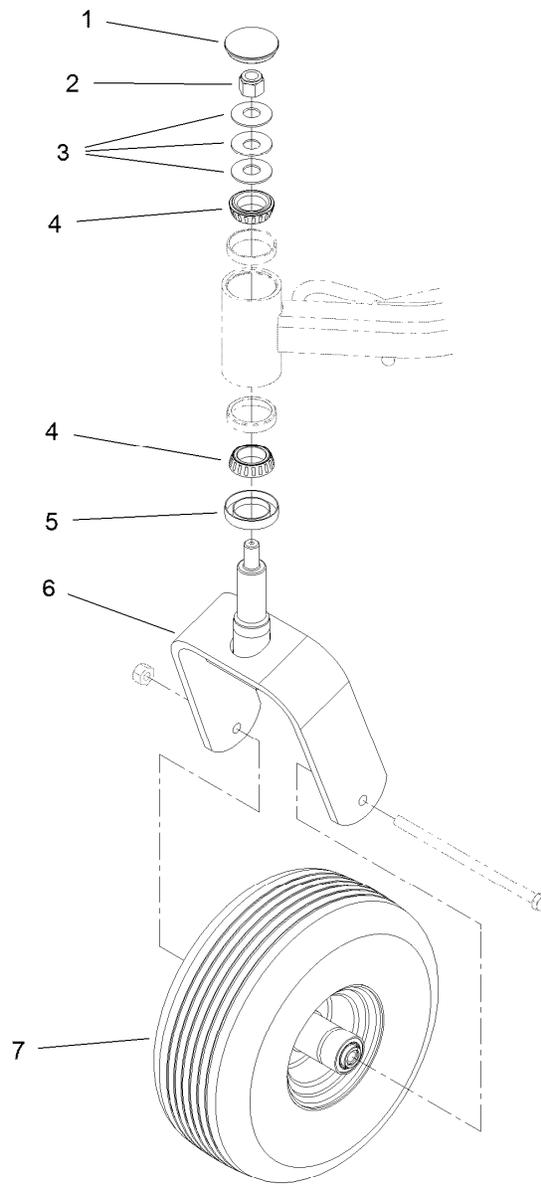
● Not serviced separately



Hydraulic Cylinder Assembly No. 110-9834

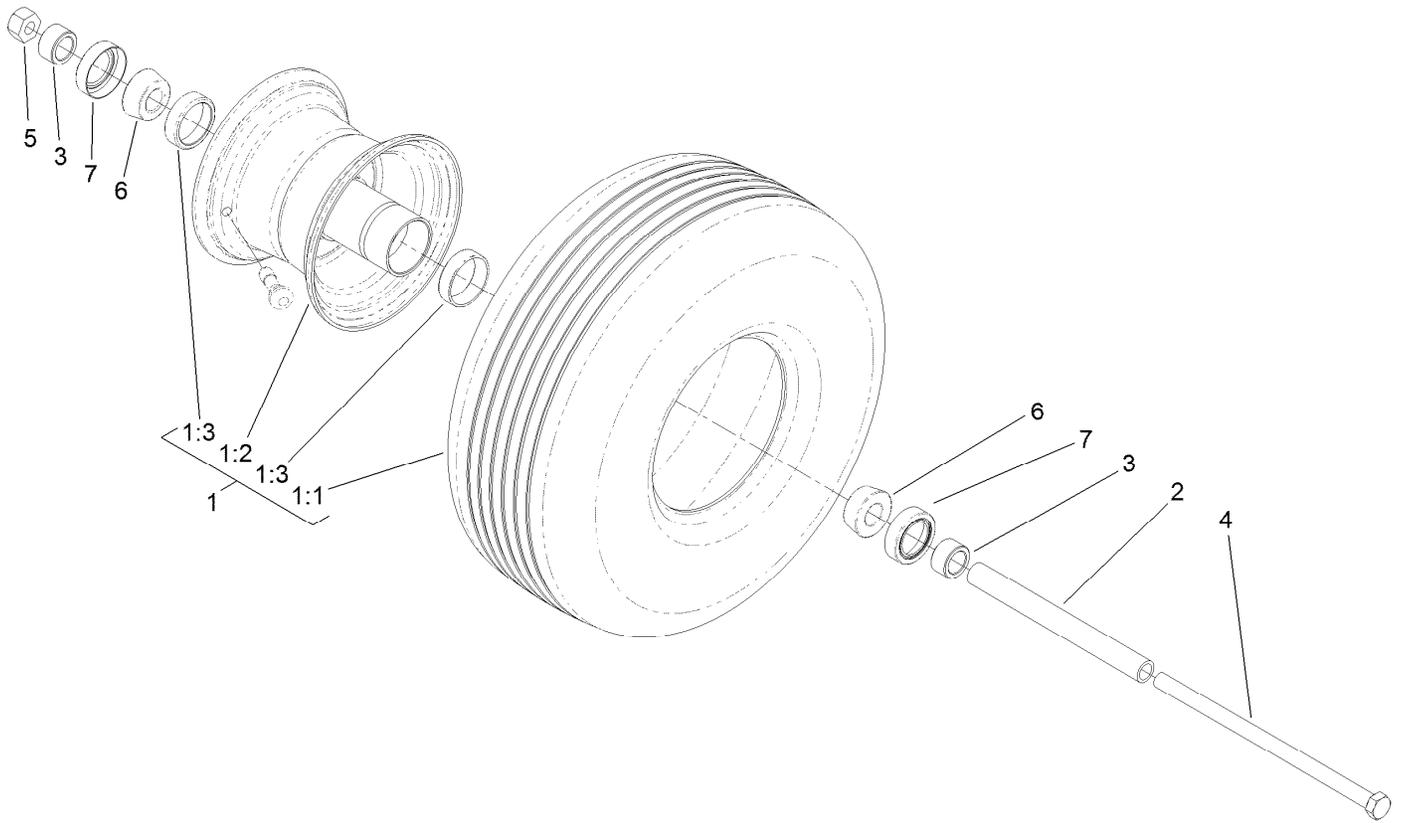
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1 | 112-6353 | 1 | Seal Kit |
| 1:1 | | 1 | O-Ring ● |
| 1:2 | | 1 | O-Ring ● |
| 1:3 | | 1 | Backup ● |
| 1:4 | | 1 | Seal-Bp ● |
| 1:5 | | 1 | Seal-Rod ●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

● Not serviced separately



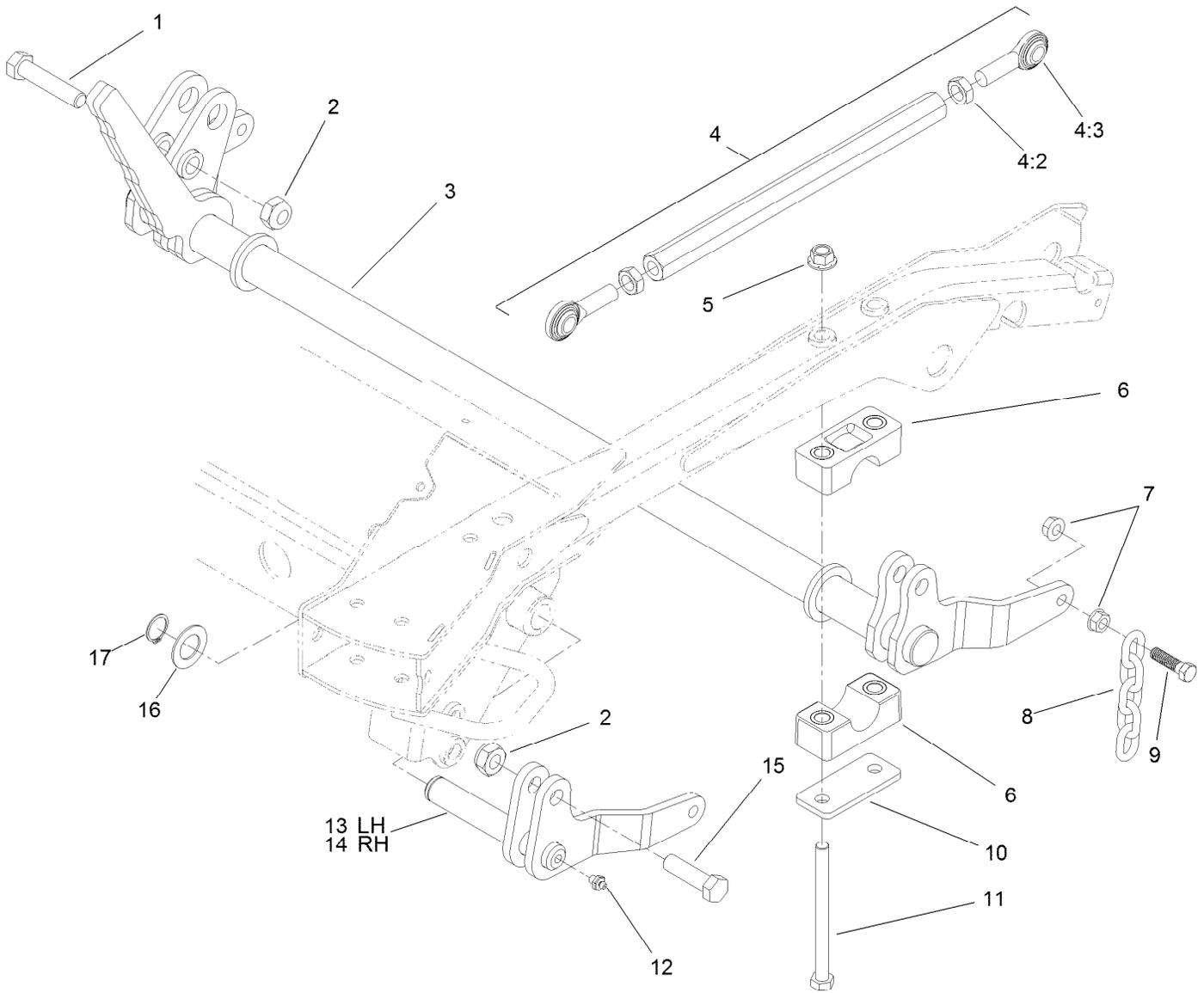
Castor Wheel Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 1 | 108-9950 | 2 | Cap-Grease |
| 2 | 3296-51 | 2 | Nut-Lock, NI |
| 3 | 108-9957 | 6 | Washer-Belleville |
| 4 | 254-106 | 4 | Cone-Bearing, Tapered |
| 5 | 69-2980 | 2 | Seal |
| 6 | 108-9946-03 | 2 | Fork-Caster |
| 7 | 108-9954 | 2 | Caster Wheel ASM |



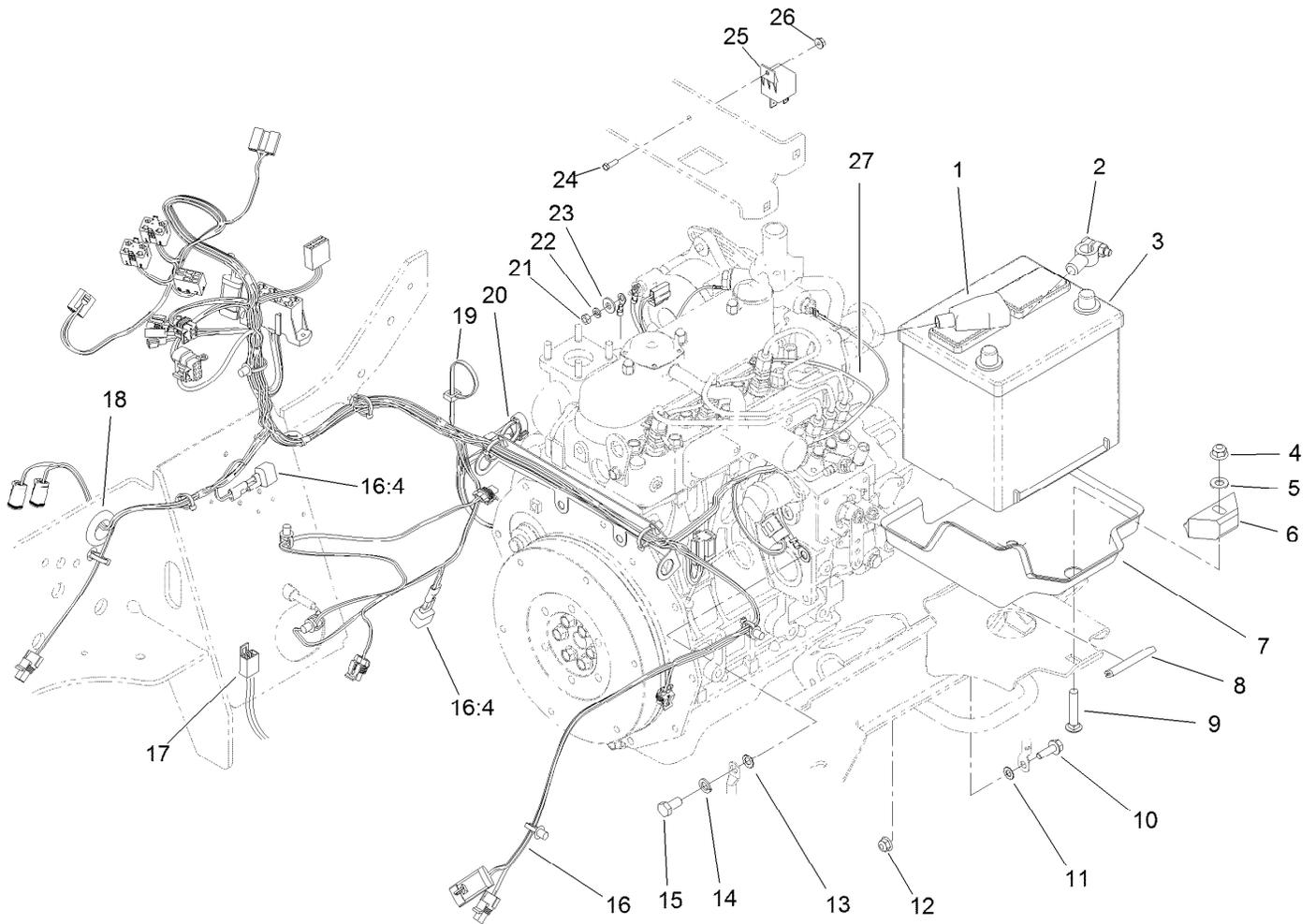
Caster Wheel Assembly No. 108-9954

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------|
| 1 | 108-9956 | 1 | Tire And Wheel ASM |
| 1:1 | 108-9955 | 1 | Tire |
| 1:2 | 1-633987 | 1 | Wheel |
| 1:3 | 1-633584 | 2 | Bearing-Cup |
| 2 | 1-633959 | 1 | Spacer-Caster, Front |
| 3 | 1-633581 | 2 | Spacer-Bearing |
| 4 | 325-39 | 1 | Screw-HH |
| 5 | 3296-25 | 1 | Nut-Lock, NI |
| 6 | 1-633585 | 2 | Bearing-Cone, Taper |
| 7 | 1-633580 | 2 | Seal-Bearing |



Deck Lift Assembly

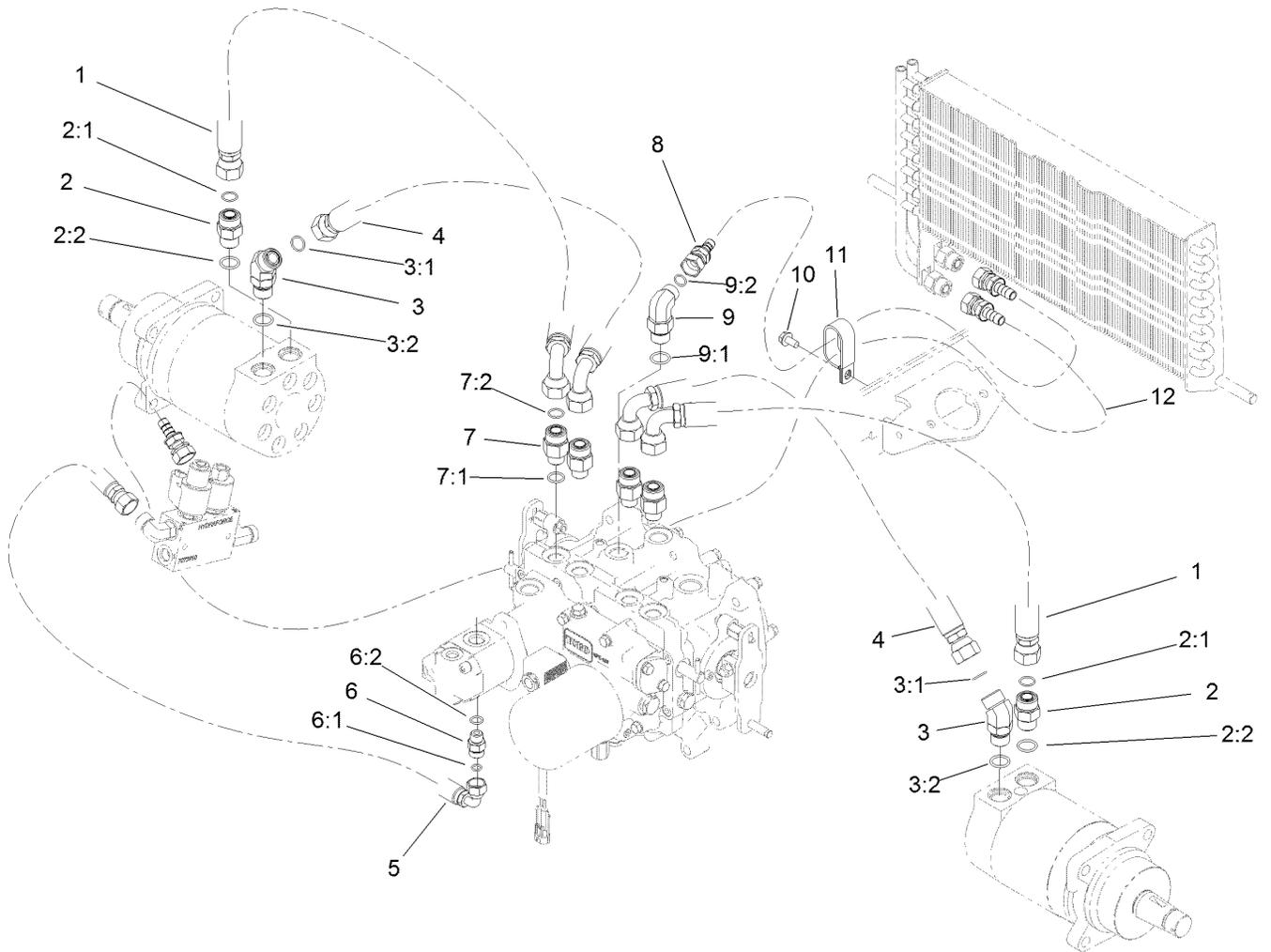
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|--------------------|
| 1 | 104-5895 | 1 | Screw-HH | 9 | 103-1898 | 4 | Screw-HH |
| 2 | 3296-61 | 4 | Nut-Lock | 10 | 117-2903 | 2 | Plate-Bearing |
| 3 | 117-9220-03 | 1 | Shaft-Lift | 11 | 325-20 | 4 | Screw-HH |
| 4 | 114-4059 | 2 | Link ASM | 12 | 302-2 | 2 | Fitting-Grease |
| 4:2 | 3220-6 | 2 | Nut-Jam | 13 | 110-9818-03 | 1 | Lift-LH |
| 4:3 | 1-633029 | 2 | Balljoint-Spherical | 14 | 110-9820-03 | 1 | Lift-RH |
| 5 | 99-5107 | 4 | Nut-Lock | 15 | 327-22 | 3 | Screw-HH |
| 6 | 115-0491 | 4 | Cap-Bearing | 16 | 69-9010 | 2 | Washer |
| 7 | 32128-37 | 8 | Nut-HF | 17 | 32151-29 | 2 | Ring-Retaining |
| 8 | 1-633447 | 4 | Chain-Lift, Deck | | | | |



Electrical Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------------------|------|-------------|------|----------------------------|
| 1 | 119-1796 | 1 | Cable-Battery, Positive | 16:1 | 94-6710 | 1 | Fuse-2 Amp ● |
| 2 | 105-0040 | 1 | Cable-Battery, Negative | 16:2 | 218-578 | 2 | Fuse-Blade, 10 Amp ● |
| 3 | 106-5187 | 1 | Battery | 16:3 | 109355 | 1 | Fuse-Blade, 15 Amp ● |
| 4 | 104-8301 | 1 | Nut-Flange, NI | 16:4 | 100-4918 | 2 | Diode |
| 5 | 3256-24 | 1 | Washer-Flat | 17 | 108-8657 | 1 | Harness-Wire, Seat |
| 6 | 66-2490 | 1 | Retainer-Battery | 18 | 237-165 | 1 | Grommet |
| 7 | 108-9928 | 1 | Tray-Battery | 19 | 3290-378 | 5 | Tie-Cable |
| 8 | 110-8276 | 1 | Trim-Hold Down, Battery | 20 | 32180-030 | 2 | Clip-Tie |
| 9 | 3231-6 | 1 | Screw-CARR | 21 | 33013-00 | 1 | Nut-Hex |
| 10 | 3234-17 | 1 | Screw-HHF | 22 | 43-5930 | 1 | Washer-Lock, Spring |
| 11 | 3255-8 | 1 | Washer-Lock | 23 | 3256-2 | 1 | Washer-Flat |
| 12 | 104-8300 | 1 | Nut-Flange, NI | 24 | 3290-134 | 2 | Screw |
| 13 | 3255-9 | 1 | Washer-Lock | 25 | 99-7435 | 1 | Relay-Power |
| 14 | 48-9590 | 1 | Washer-Lock | 26 | 3290-148 | 2 | Nut-HF |
| 15 | 63-7790 | 1 | Screw-Cap | 27 | 99-3441 | 1 | Harness-Wire, Fusible Link |
| 16 | 119-4380 | 1 | Harness-Wire, Main | | | | |

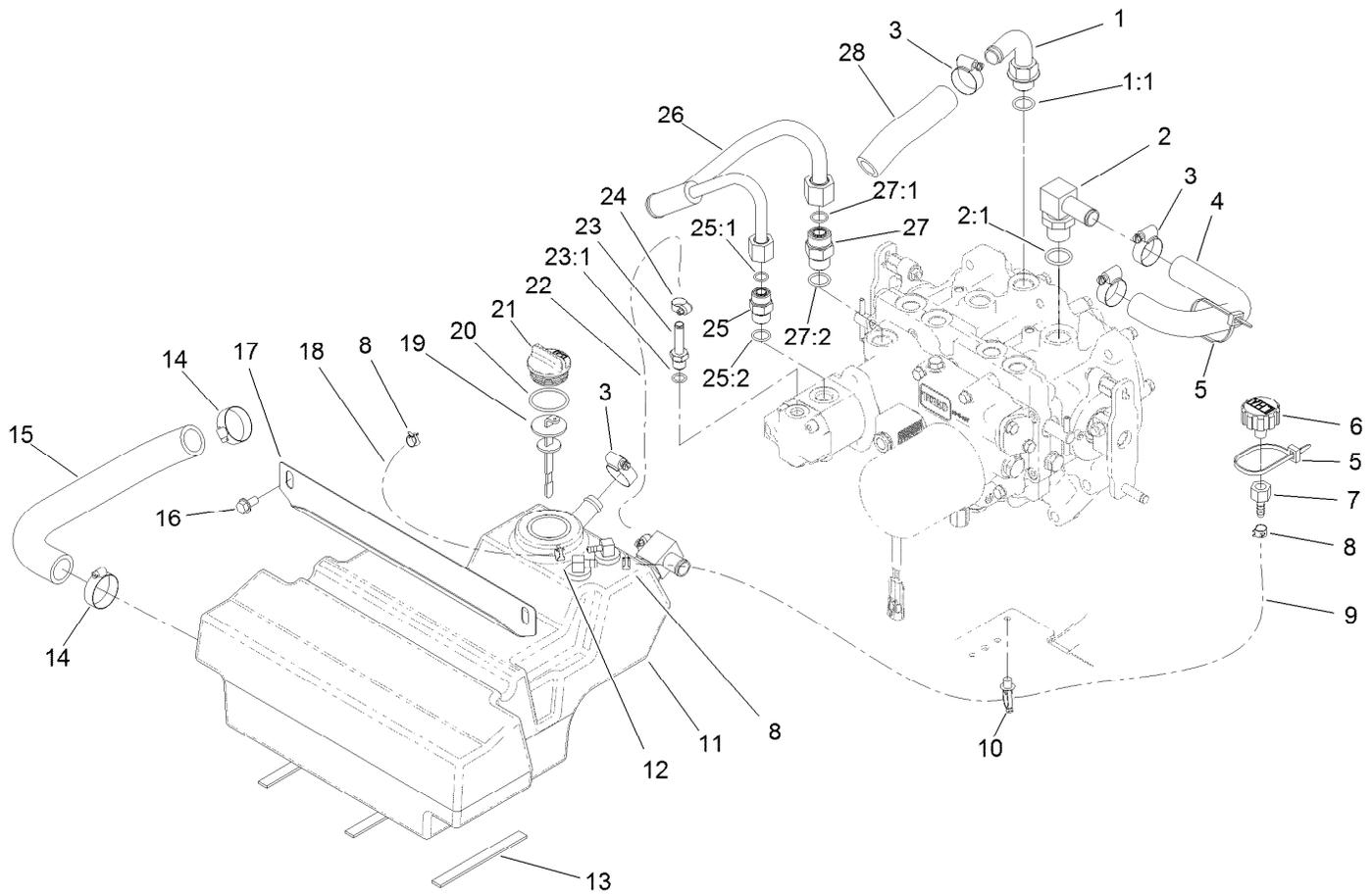
● Not illustrated



Transmission and Oil Cooler Hydraulic Assembly

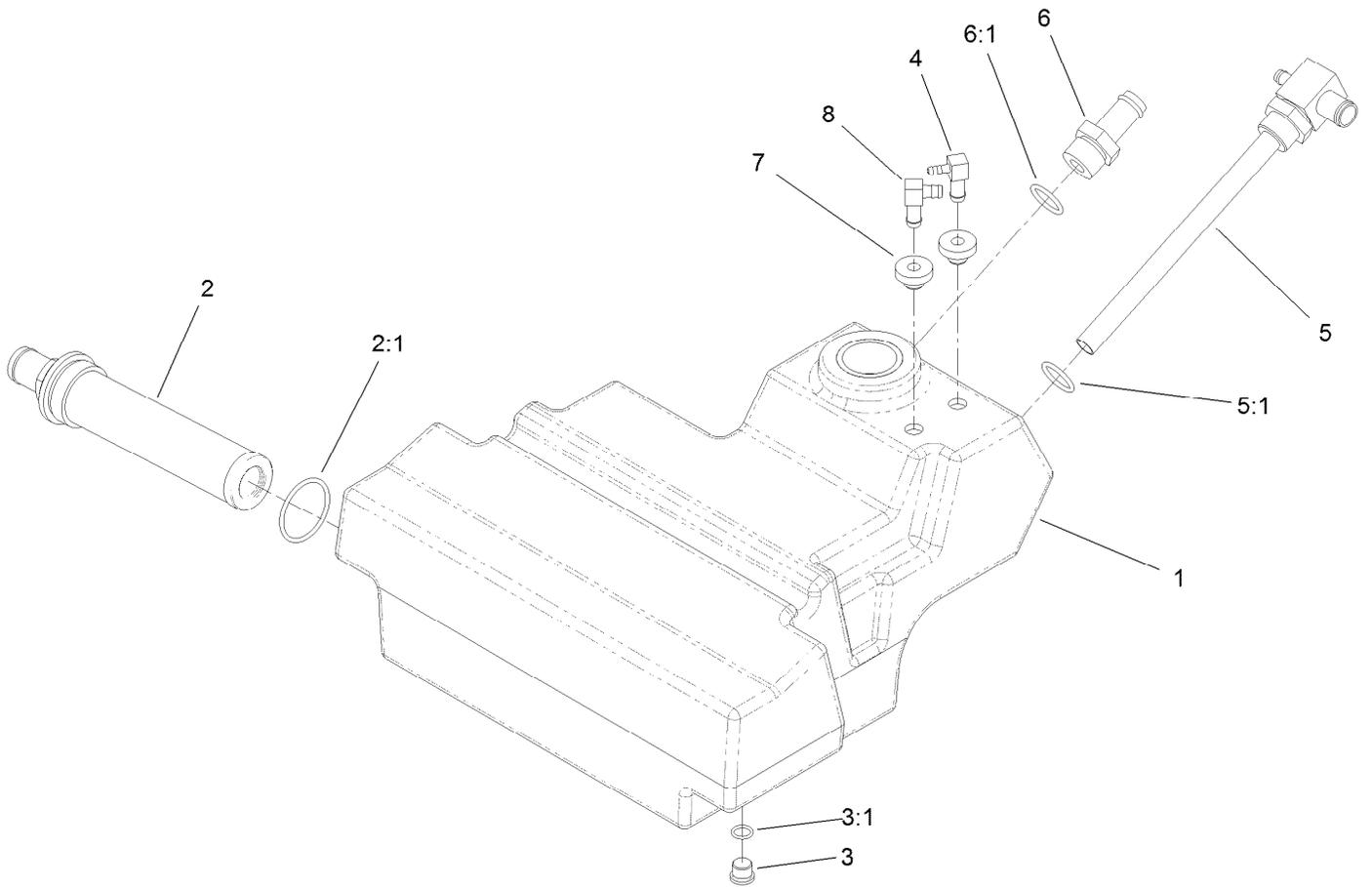
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-----------------------|
| 1 | 112-1683 | 2 | Hose ASM |
| 2 | 340-7 | 2 | Adapter |
| 2:1 | 237-65 | 1 | O-Ring |
| 2:2 | 237-80 | 1 | O-Ring |
| 3 | 340-14 | 2 | Fitting-HYD, 45 DEG |
| 3:1 | 237-65 | 1 | O-Ring |
| 3:2 | 237-80 | 1 | O-Ring |
| 4 | 110-5518 | 2 | Hose ASM |
| 5 | 94-5961 | 1 | Hose ASM |
| 6 | 340-2 | 1 | Fitting-HYD, Straight |
| 6:1 | 237-22 | 1 | O-Ring |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-----------------------|
| 6:2 | 237-42 | 1 | O-Ring |
| 7 | 340-155 | 4 | Fitting-HYD, Straight |
| 7:1 | 237-79 | 1 | O-Ring |
| 7:2 | 237-151 | 1 | O-Ring |
| 8 | 110-5542 | 1 | HYD Hose ASM |
| 9 | 340-105 | 1 | Fitting-HYD, 90 DEG |
| 9:1 | 237-80 | 1 | O-Ring |
| 9:2 | 237-30 | 1 | O-Ring |
| 10 | 32144-14 | 1 | Screw-HWHTF |
| 11 | 2412-137 | 1 | Clamp-R, Double |
| 12 | 110-5543 | 1 | HYD Hose ASM |



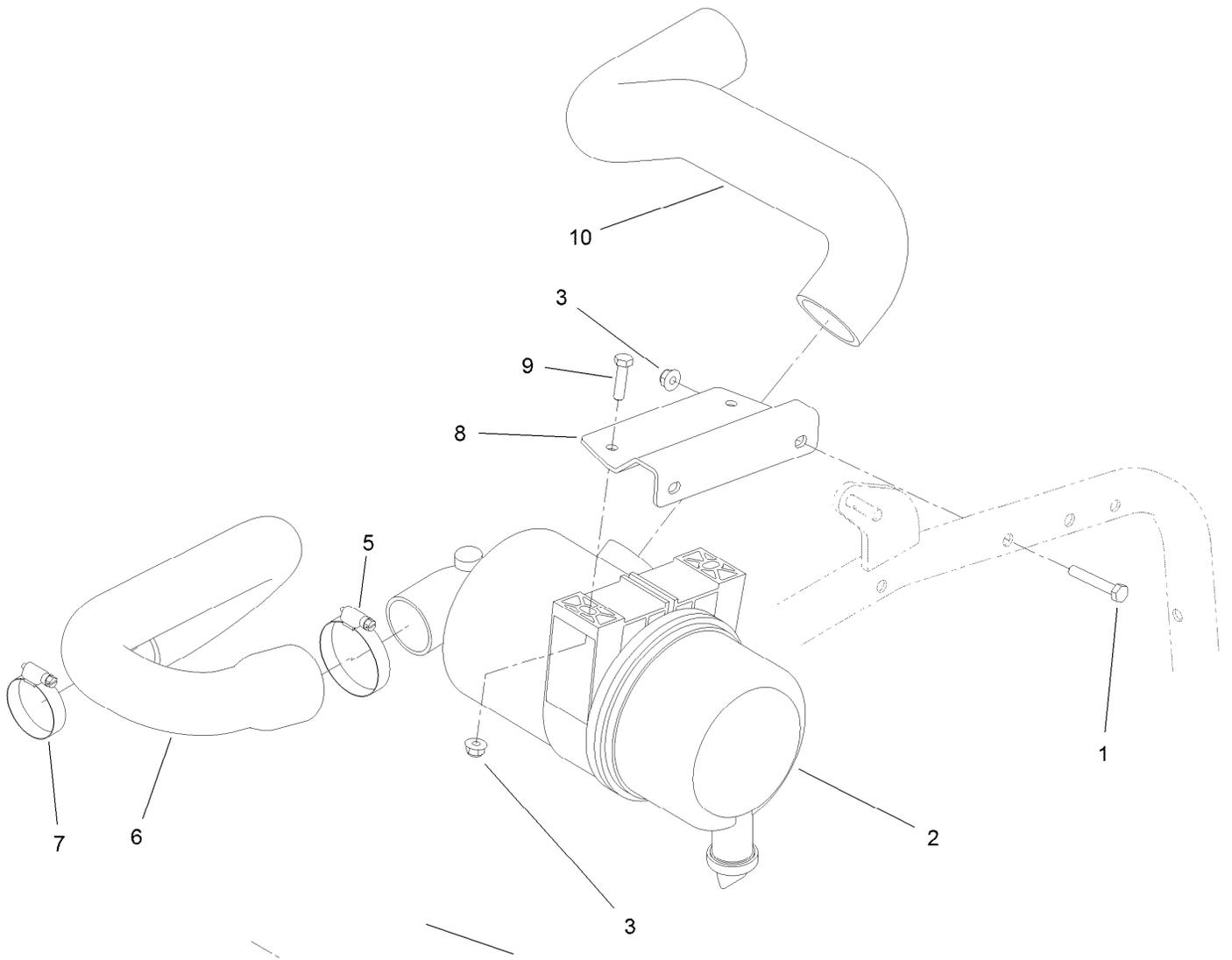
Hydraulic Reservoir Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------------------|------|-------------|------|-------------------------|
| 1 | 110-5522 | 1 | Fitting-Elbow, 90 | 16 | 32144-14 | 2 | Screw-HWHTF |
| 1:1 | 237-80 | 1 | O-Ring | 17 | 110-5529-03 | 1 | Support-Reservoir |
| 2 | 353-987 | 1 | Fitting-HYD, 90 DEG (Barbed) | 18 | 109-0299 | 1 | Hose-Fuel |
| 2:1 | 237-81 | 1 | O-Ring | 19 | 112-6365 | 1 | Dipstick ASM |
| 3 | 2412-129 | 4 | Clamp-Hose | 20 | 94-8166 | 1 | O-Ring |
| 4 | 110-5524 | 1 | Hose-Return | 21 | 93-7498 | 1 | Plug-Plastic |
| 5 | 3290-379 | 2 | Tie-Cable | 22 | 94-5625 | 1 | Hose-Overflow, Radiator |
| 6 | 68-6150 | 1 | Breather | 23 | 353-979 | 1 | Fitting-Straight |
| 7 | 354-95 | 1 | Fitting-Straight | 23:1 | 237-42 | 1 | O-Ring |
| 8 | 92-2379 | 3 | Clamp-Hose | 24 | 2412-108 | 2 | Clamp-Worm |
| 9 | 110-9662 | 1 | Hose-Fuel | 25 | 340-4 | 1 | Fitting-HYD, Straight |
| 10 | 32180-030 | 1 | Clip-Tie | 25:1 | 237-30 | 1 | O-Ring |
| 11 | 110-8237 | 1 | Hydraulic Reservoir ASM | 25:2 | 237-79 | 1 | O-Ring |
| 12 | 2412-98 | 1 | Clamp-Hose | 26 | 110-5532 | 1 | Tube ASM |
| 13 | 120-0017 | 3 | Strip-Foam | 27 | 340-7 | 1 | Adapter |
| 14 | 2412-34 | 2 | Clamp-Hose | 27:1 | 237-65 | 1 | O-Ring |
| 15 | 110-5526 | 1 | Hose-Suction | 27:2 | 237-80 | 1 | O-Ring |
| | | | | 28 | 112-1680 | 1 | Hose-HYD |



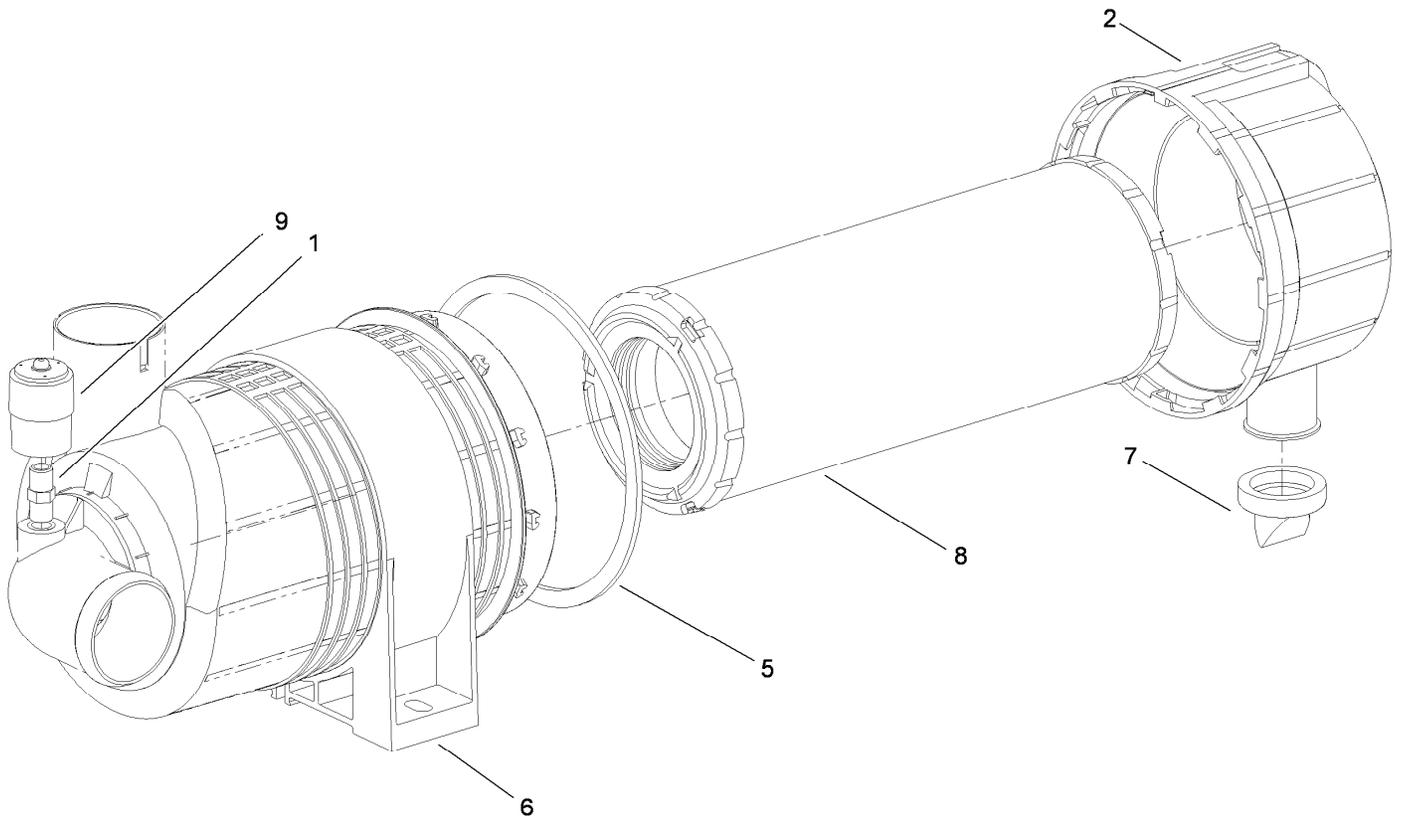
Hydraulic Reservoir Assembly No. 110-8237

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|------------------------|
| 1 | 108-5200 | 1 | Reservoir-Hydraulic |
| 2 | 104-7546 | 1 | Strainer-Tank |
| 2:1 | 340-136 | 1 | O-Ring |
| 3 | 353-989 | 1 | Plug-Hex, Hollow |
| 3:1 | 237-42 | 1 | O-Ring |
| 4 | 104-5228 | 1 | Fitting-Elbow, 90 DEG |
| 5 | 108-9894 | 1 | Fitting-Elbow, Special |
| 5:1 | 237-81 | 1 | O-Ring |
| 6 | 354-73 | 1 | Fitting-Straight |
| 6:1 | 237-81 | 1 | O-Ring |
| 7 | 46-6560 | 2 | Bushing |
| 8 | 46-6550 | 1 | Fitting-Elbow, 90 DEG |



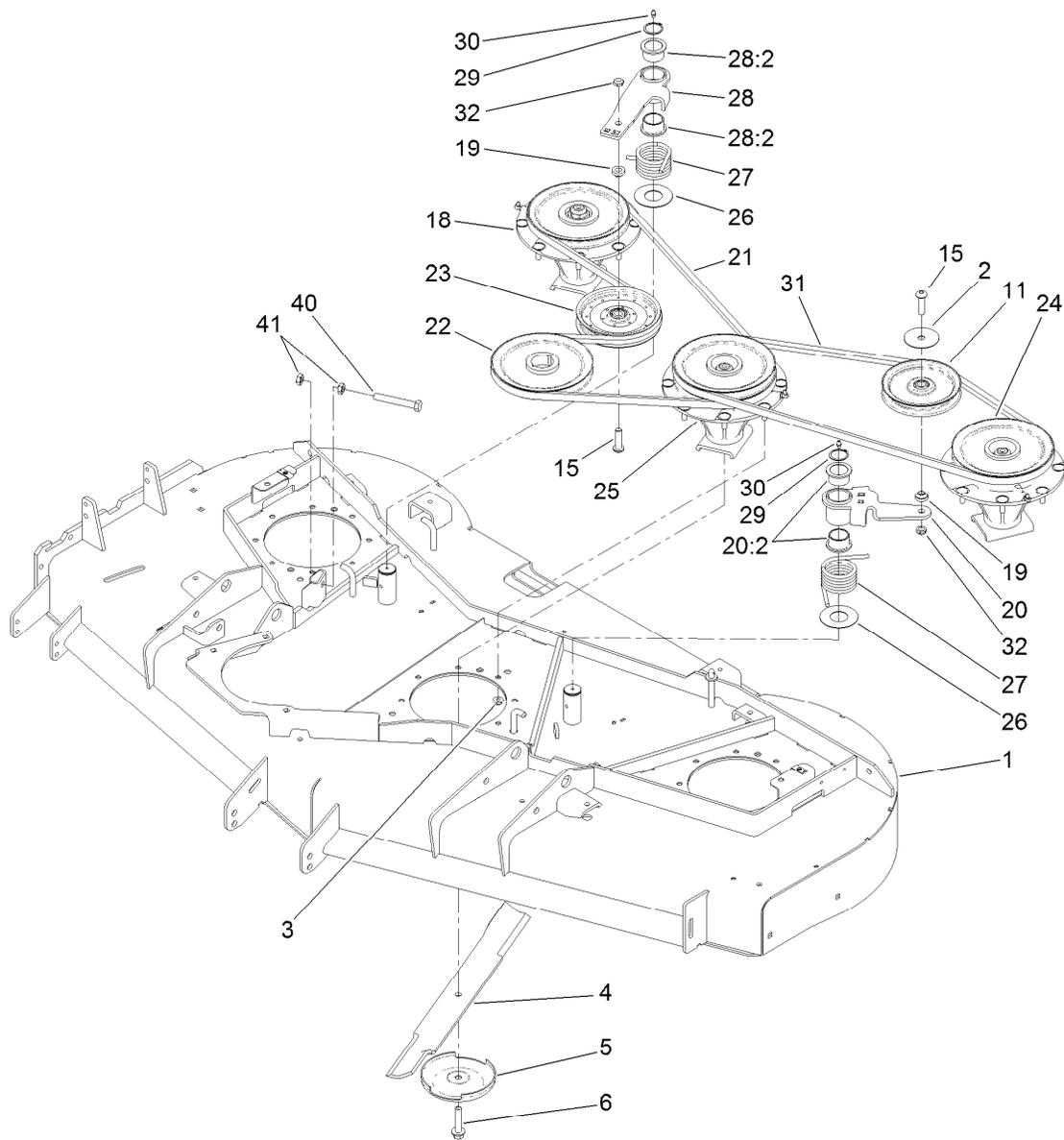
Air Cleaner and Hose Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 1 | 322-10 | 2 | Screw-HH |
| 2 | 104-3428 | 1 | Air Cleaner ASM |
| 3 | 104-8300 | 4 | Nut-Flange, NI |
| 5 | 2412-130 | 1 | Clamp-Hose |
| 6 | 112-9582 | 1 | Hose-Air Inlet, Turbo |
| 7 | 2412-3 | 1 | Clamp-Hose |
| 8 | 108-9843-03 | 1 | Support-Cleaner, Air |
| 9 | 322-6 | 2 | Screw-HH |
| 10 | 105-7281 | 1 | Hose-Air Inlet, Upper |



Air Cleaner Assembly No. 104-3428

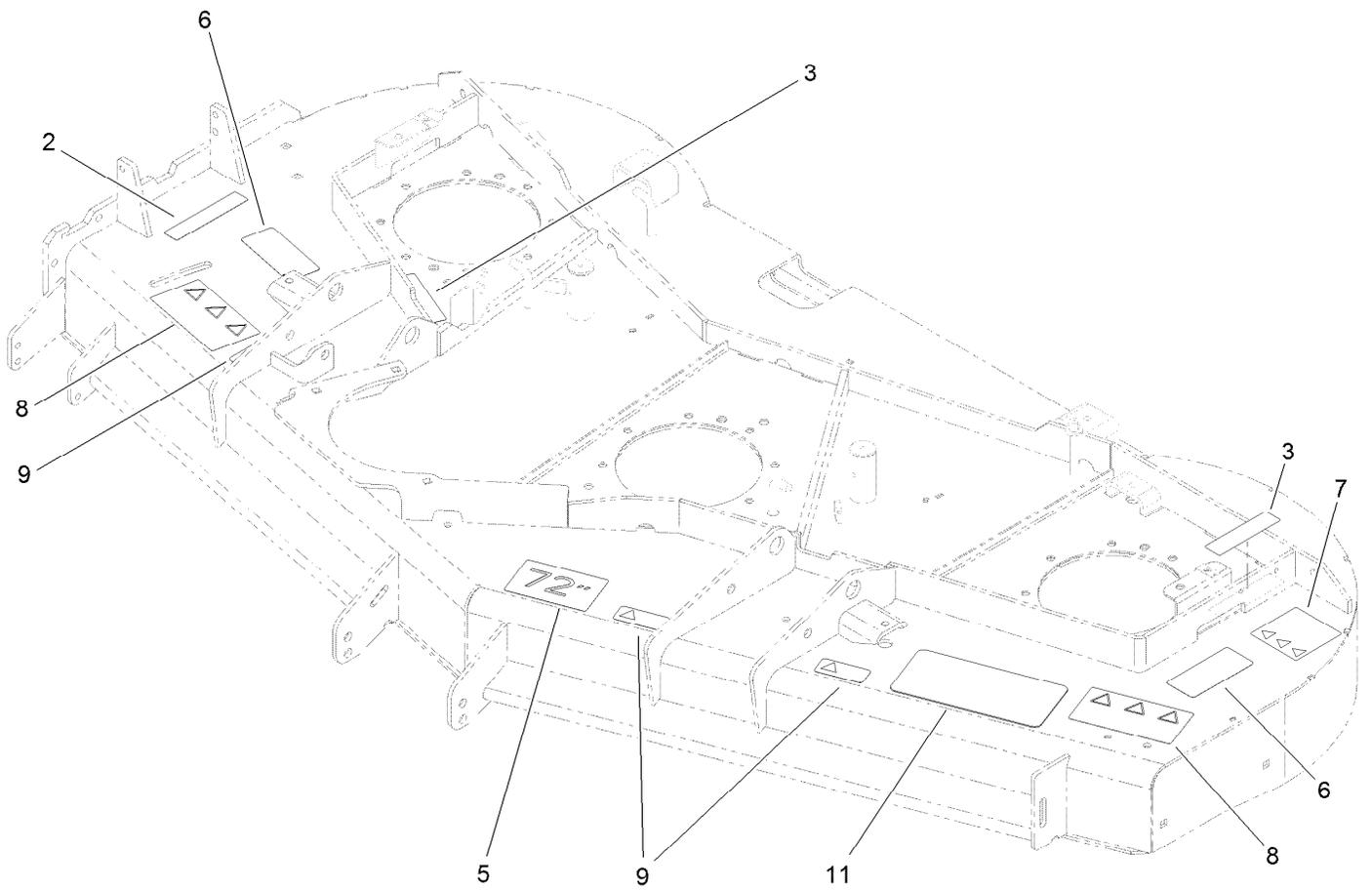
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|
| 1 | 105-4292 | 1 | Nipple-Pipe |
| 2 | 104-0497 | 1 | Cover |
| 5 | 104-4897 | 1 | Gasket |
| 6 | 98-4525 | 1 | Bracket-Cleaner, Air |
| 7 | 104-0498 | 1 | Valve-Vacuator |
| 8 | 108-3810 | 1 | Filter-Air |
| 9 | 93-9164 | 1 | Indicator-Mini |



Deck, Spindle, Blade, Belt and Pulley Assembly

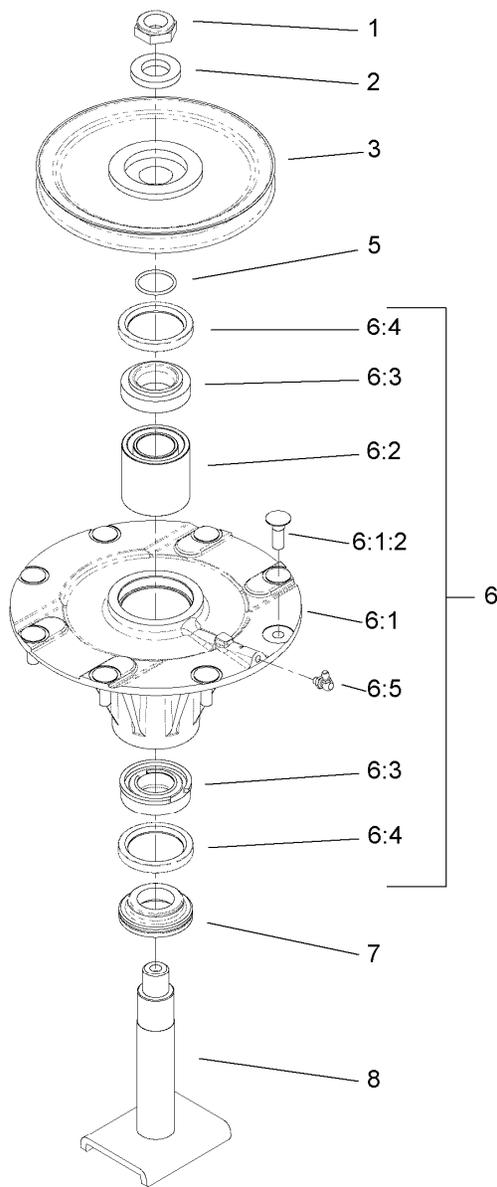
| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------------|------|-------------|------|---------------------|
| 1 | 108-9901 | 1 | Deck ASM | 22 | 107-4725 | 1 | Pulley |
| 2 | 100-3102 | 1 | Washer-Flat | 23 | 110-9596 | 1 | Pulley-Idler |
| 3 | 104-8301 | 24 | Nut-Flange, NI | 24 | 117-9233 | 1 | High Spindle ASM |
| 4 | 110-0621-03 | 3 | Blade-Medium Flow | 25 | 117-9234 | 1 | Double Spindle ASM |
| 4 | 110-0624-03 | 3 | Blade-Rotary, Atomic ● | 26 | 108-1926 | 2 | Washer |
| 5 | 72-9361 | 3 | Cup-Scalp, Anti | 27 | 108-1921 | 2 | Spring-Torsion |
| 6 | 92-5816 | 3 | Bolt-Blade | 28 | 108-1930 | 1 | Idler Arm ASM |
| 11 | 01-268-0160 | 1 | Pulley-Idler | 28:2 | 93-4510 | 2 | Bushing-Caster |
| 15 | 108-1993 | 2 | Screw-HSBH | 29 | 32120-84 | 2 | Ring-Snap, External |
| 18 | 119-4778 | 1 | Spindle ASM | 30 | 302-5 | 2 | Fitting-Grease |
| 19 | 108-1924 | 2 | Spacer-Idler | 31 | 110-9591 | 1 | Belt-V |
| 20 | 117-9176 | 1 | Idler Arm ASM | 32 | 3296-45 | 2 | Nut-Lock, NI |
| 20:2 | 93-4510 | 2 | Bushing-Caster | 40 | 325-14 | 1 | Screw-HH |
| 21 | 110-9592 | 1 | Belt-V | 41 | 3218-5 | 2 | Nut-Jam |

● Not illustrated



Deck Decal Assembly No. 108-9901

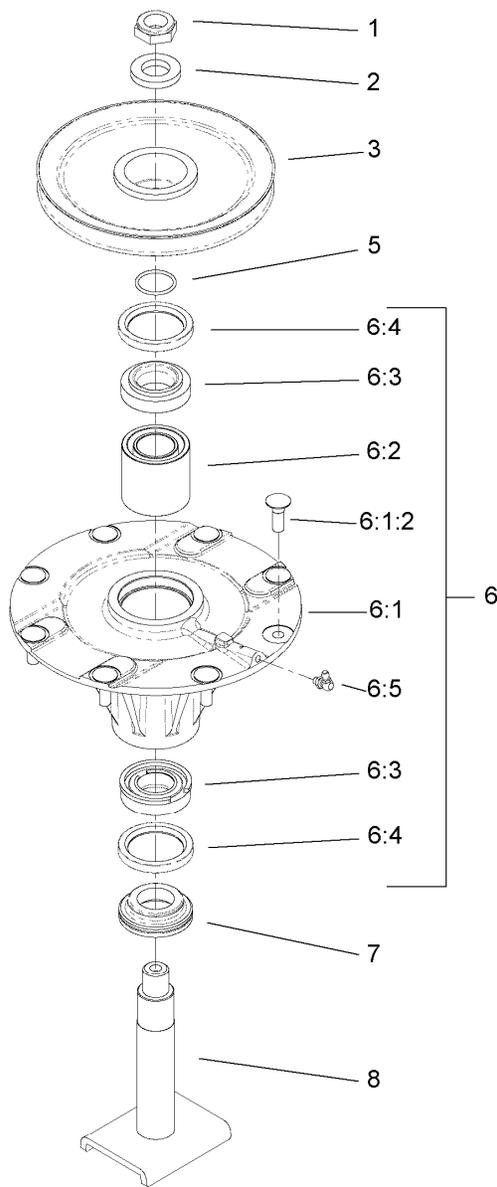
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|---------------------------|
| 2 | 107-2916 | 1 | Decal-Warning |
| 3 | 117-4979 | 2 | Decal-Warning, Shields |
| 5 | 57-0280 | 1 | Decal |
| 6 | 93-7818 | 2 | Decal-Torque, Blade Bolt |
| 7 | 120-6604 | 1 | Decal-Danger |
| 8 | 107-2908 | 2 | Decal-Danger, Combination |
| 9 | 93-6696 | 3 | Decal-Warning |
| 11 | 110-0988 | 1 | Tread-Floor, Side |



Spindle Assembly No. 119-4778

| Ref. | Part Number | Qty. | Description |
|-------|-------------|------|-----------------------|
| 1 | 3296-60 | 1 | Nut-Lock, NI |
| 2 | 104-8322 | 1 | Washer-Hardened |
| 3 | 104-3546 | 1 | Pulley-Driven, Low |
| 5 | 106-7159 | 1 | O-Ring |
| 6 | 119-4777 | 1 | Spindle ASM |
| 6:1 | | 1 | Spindle Assembly ● |
| 6:1:2 | 114-8195 | 8 | Bolt-Ribbed Neck |
| 6:2 | 108-1954 | 1 | Spacer Set-Bearing |
| 6:3 | 110-8297 | 1 | Bearing ASM |
| 6:4 | 253-154 | 2 | Seal-Oil |
| 6:5 | 302-60 | 1 | Fitting-Grease |
| 7 | 69-6950 | 1 | Spacer-Shaft, Spindle |
| 8 | 108-1956 | 1 | Shaft ASM |

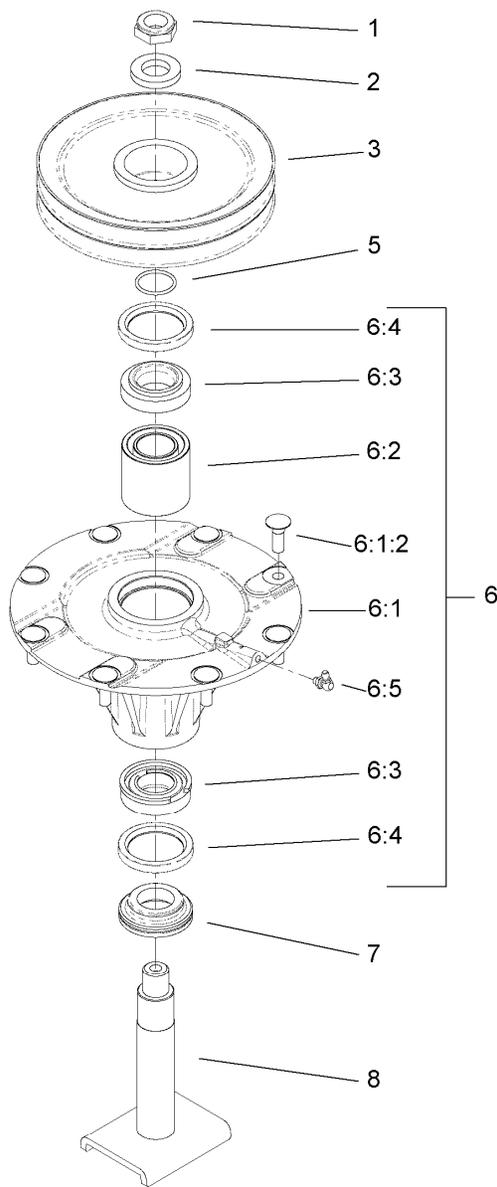
● Not serviced separately



High Spindle Assembly No. 117-9233

| Ref. | Part Number | Qty. | Description |
|-------|-------------|------|-----------------------|
| 1 | 3296-60 | 1 | Nut-Lock, NI |
| 2 | 104-8322 | 1 | Washer-Hardened |
| 3 | 104-3548 | 1 | Pulley-Driven, High |
| 5 | 106-7159 | 1 | O-Ring |
| 6 | 119-4777 | 1 | Spindle ASM |
| 6:1 | | 1 | Spindle Assembly ● |
| 6:1:2 | 114-8195 | 8 | Bolt-Ribbed Neck |
| 6:2 | 108-1954 | 1 | Spacer Set-Bearing |
| 6:3 | 110-8297 | 1 | Bearing ASM |
| 6:4 | 253-154 | 2 | Seal-Oil |
| 6:5 | 302-60 | 1 | Fitting-Grease |
| 7 | 69-6950 | 1 | Spacer-Shaft, Spindle |
| 8 | 108-1956 | 1 | Shaft ASM |

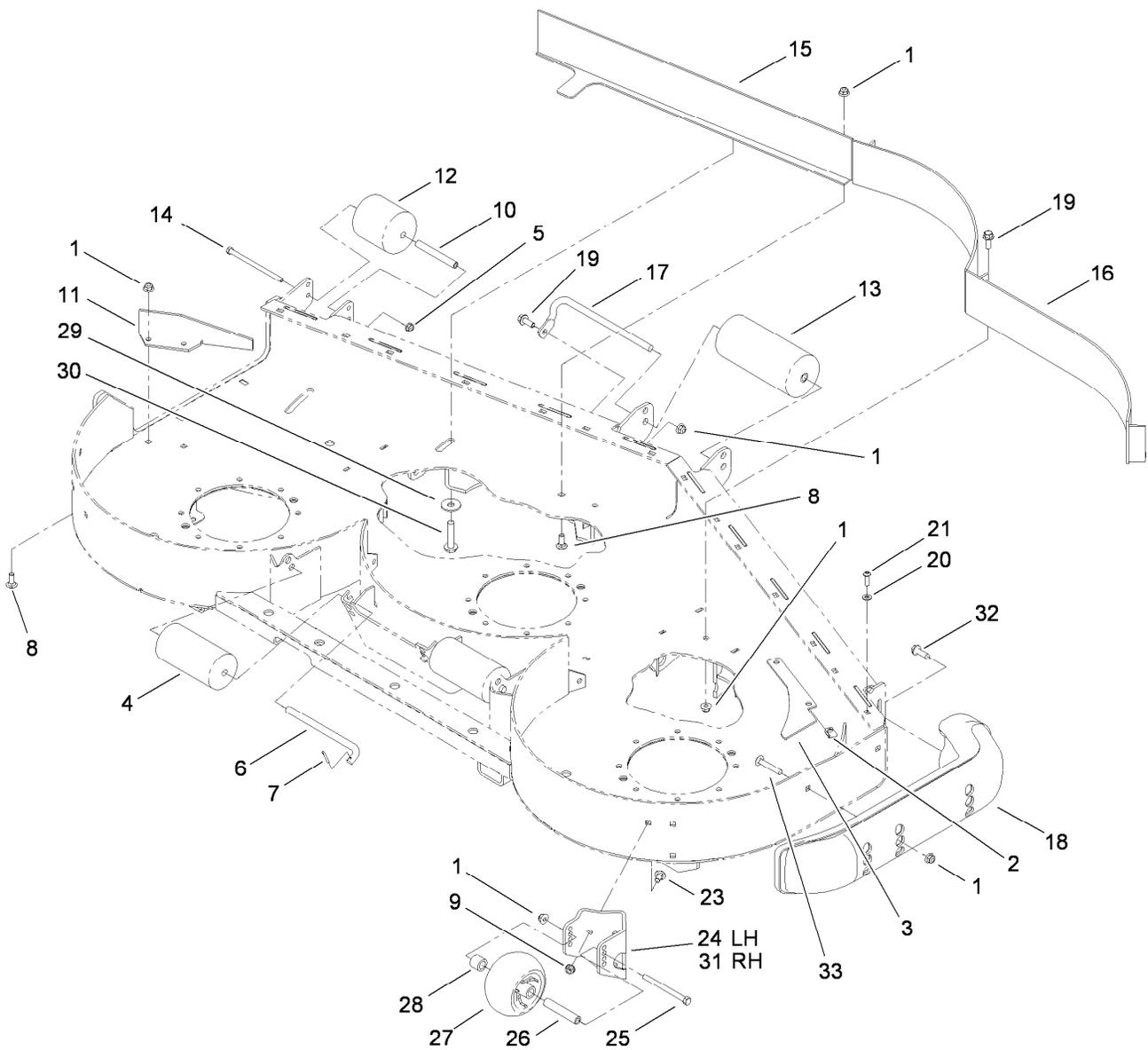
● Not serviced separately



Double Driven Spindle Assembly No. 117-9234

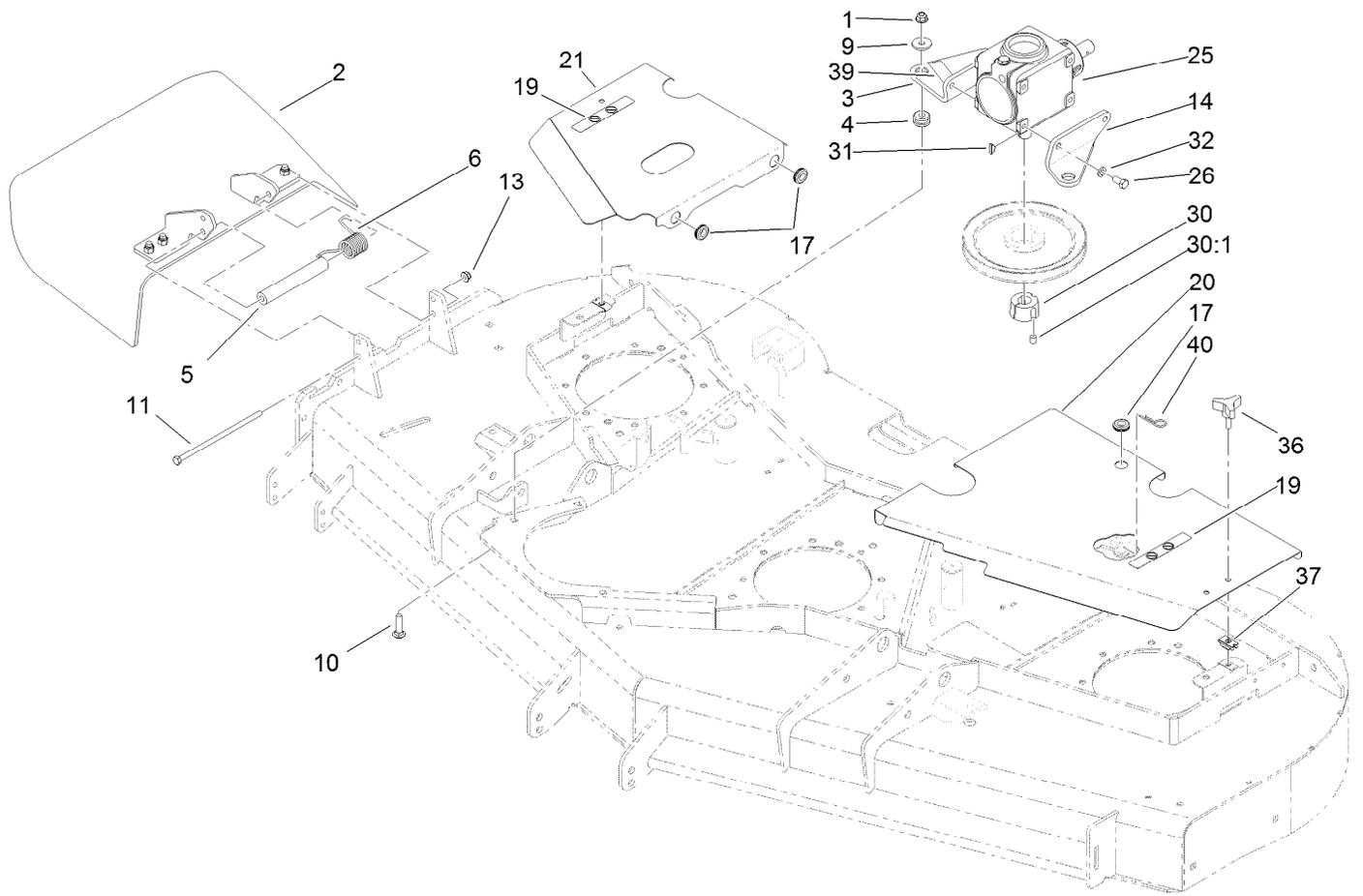
| Ref. | Part Number | Qty. | Description |
|-------|-------------|------|-----------------------|
| 1 | 3296-60 | 1 | Nut-Lock, NI |
| 2 | 104-8322 | 1 | Washer-Hardened |
| 3 | 104-3547 | 1 | Pulley-Driven, Double |
| 5 | 106-7159 | 1 | O-Ring |
| 6 | 119-4777 | 1 | Spindle ASM |
| 6:1 | | 1 | Spindle Assembly ● |
| 6:1:2 | 114-8195 | 8 | Bolt-Ribbed Neck |
| 6:2 | 108-1954 | 1 | Spacer Set-Bearing |
| 6:3 | 110-8297 | 1 | Bearing ASM |
| 6:4 | 253-154 | 2 | Seal-Oil |
| 6:5 | 302-60 | 1 | Fitting-Grease |
| 7 | 69-6950 | 1 | Spacer-Shaft, Spindle |
| 8 | 108-1956 | 1 | Shaft ASM |

● Not serviced separately



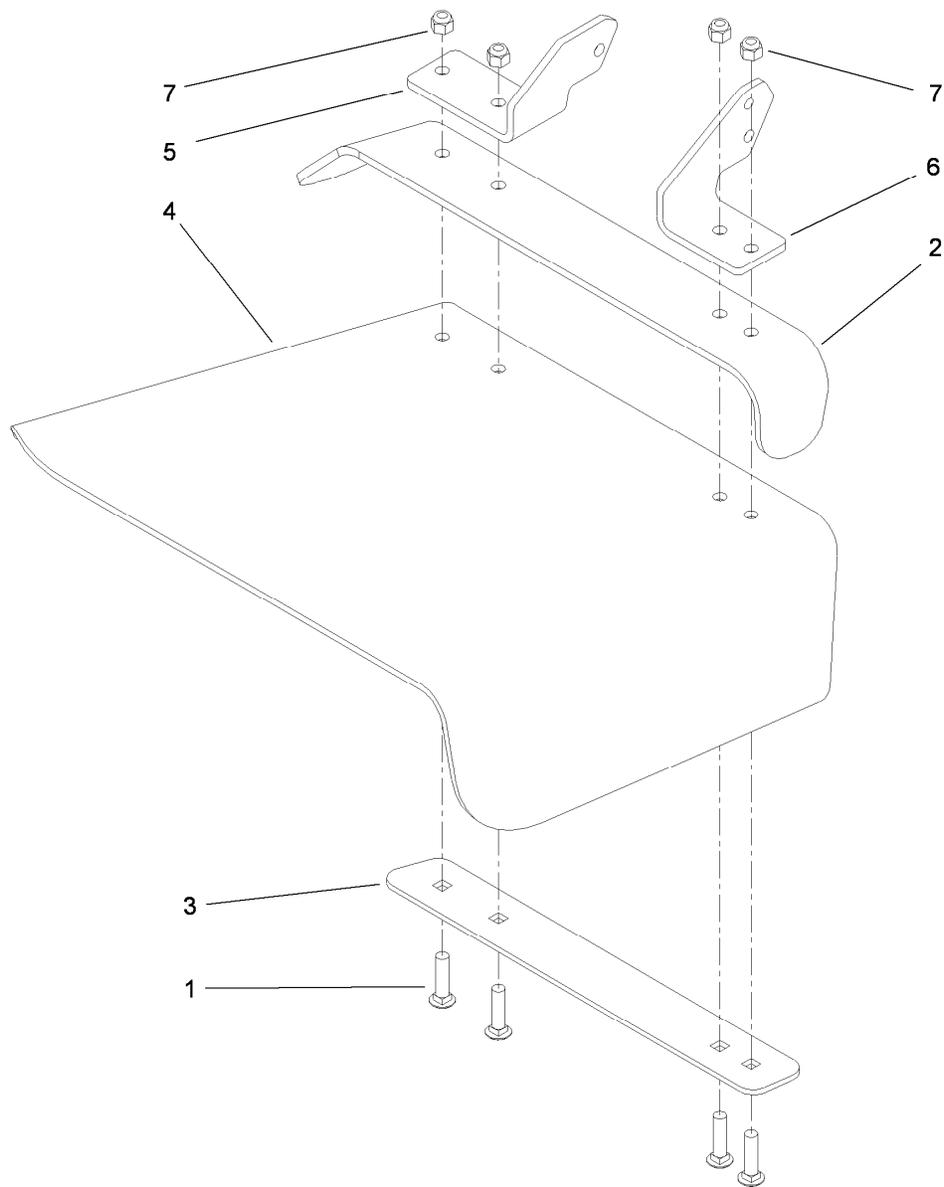
Roller and Baffle Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|--------------------|------|-------------|------|--------------------|
| 1 | 104-8301 | 11 | Nut-Flange, NI | 17 | 68-6840 | 1 | Shaft-Roller |
| 2 | 112-3306 | 2 | Nut | 18 | 112-1479 | 1 | Skid-Bumper, Deck |
| 3 | 115-1396 | 1 | Plate-Turbo | 19 | 3234-42 | 4 | Screw-HHF |
| 4 | 36-1740 | 2 | Roller-Deck | 20 | 3256-23 | 2 | Washer-Flat |
| 5 | 104-8300 | 1 | Nut-Flange, NI | 21 | 3274-104 | 2 | Screw-HSBH |
| 6 | 40-0340 | 2 | Shaft-Roller, Rear | 23 | 3231-1 | 6 | Screw-CARR |
| 7 | 3272-11 | 2 | Pin-Cotter | 24 | 106-7354-01 | 1 | Mount-Wheel, LH |
| 8 | 3231-2 | 3 | Bolt-CARR | 25 | 323-23 | 2 | Screw-HH |
| 9 | 3290-357 | 6 | Nut-HHF, Whiz | 26 | 98-7912 | 2 | Tube-Spanner |
| 10 | 105-4549 | 1 | Spacer-Roller | 27 | 1-603299 | 2 | Roller-Scalp, Anti |
| 11 | 106-3216-01 | 1 | Baffle-Discharge | 28 | 98-7913 | 2 | Tube-Spacer |
| 12 | 93-4803 | 1 | Roller-Deck | 29 | 105-7697 | 2 | Washer-Plastic |
| 13 | 68-6710 | 1 | Roller | 30 | 3234-46 | 2 | Screw-HHF |
| 14 | 322-49 | 1 | Bolt-HH | 31 | 106-7355-01 | 1 | Mount-Wheel, RH |
| 15 | 105-7669-01 | 1 | Baffle | 32 | 9136144 | 1 | Screw-HWHTF |
| 16 | 105-7730-01 | 1 | Baffle | 33 | 3231-33 | 2 | Screw-CARR |



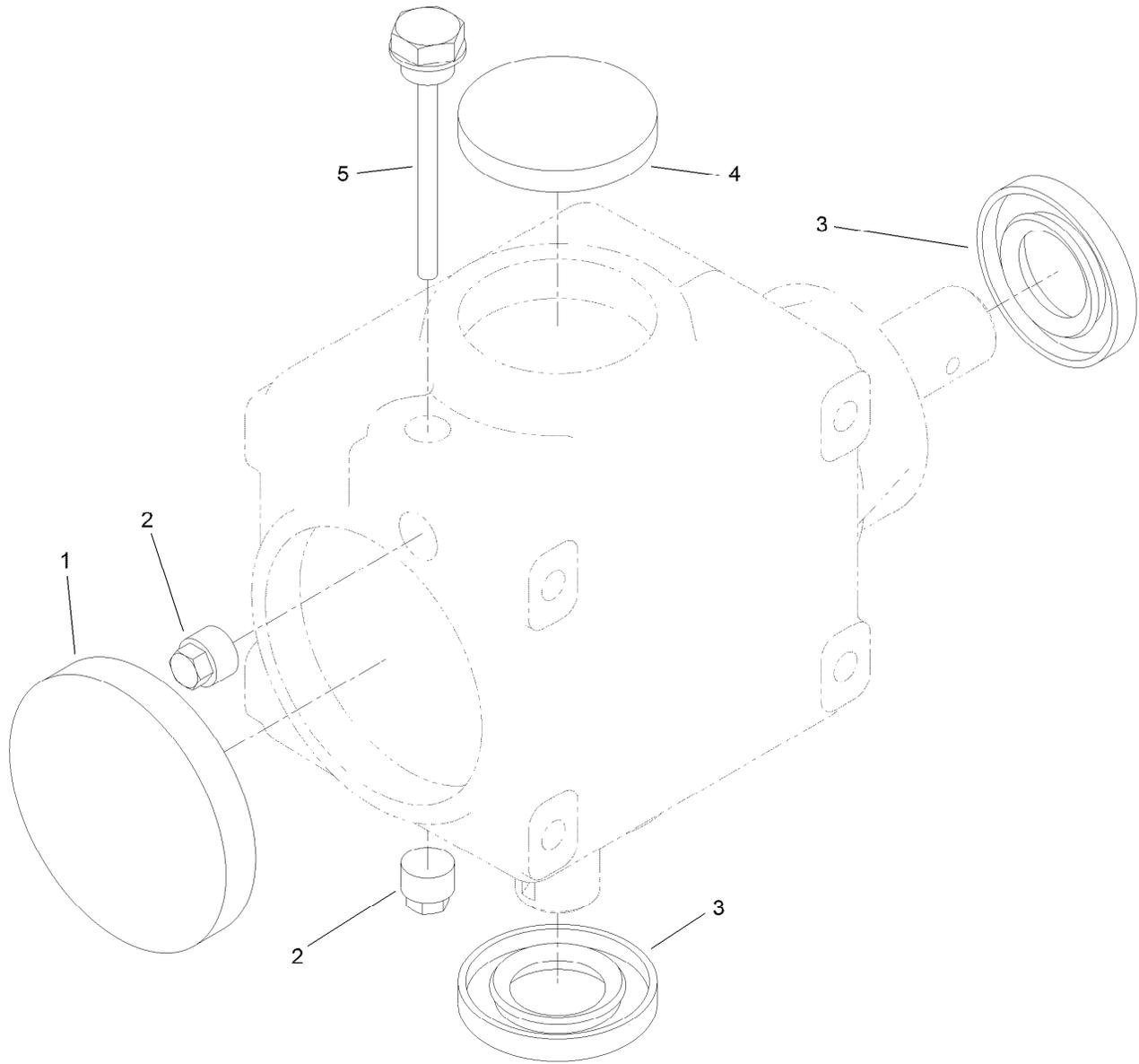
Belt Cover, Gearbox and Baffle Assembly

| <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 | 104-8301 | 3 | Nut-Flange, NI | 20 | 112-1455-03 | 1 | Cover-Deck, LH |
| 2 | 108-2792 | 1 | Rubber Deflector ASM | 21 | 112-1456-03 | 1 | Cover-Deck, RH |
| 3 | 110-6385-03 | 1 | Bracket-Gearbox, RH | 25 | 117-9245-03 | 1 | Gearbox ASM |
| 4 | 63-9750 | 3 | Mount | 26 | 323-4 | 4 | Screw-HH |
| 5 | 105-4622 | 1 | Spacer | 30 | 23-1640 | 1 | Bushing-Taperlock |
| 6 | 108-4052 | 1 | Spring-Torsion | 30:1 | 3247-4 | 2 | Screw-Set |
| 9 | 63-8410 | 3 | Washer | 31 | 3257-5 | 1 | Key-Woodruff |
| 10 | 3231-26 | 3 | Screw-CARR | 32 | 3253-21 | 4 | Washer-Lock |
| 11 | 112-9557 | 1 | Screw-HH | 36 | 106-2240 | 2 | Knob |
| 13 | 104-8300 | 1 | Nut-Flange, NI | 37 | 110-3510 | 2 | Nut-Retainer |
| 14 | 110-6384-03 | 1 | Bracket-Gearbox, LH | 39 | 93-6697 | 1 | Decal-Lube |
| 17 | 112-9559 | 4 | Grommet | 40 | 9335054 | 1 | Pin-Hair |
| 19 | 93-6687 | 2 | Decal-No Step | | | | |



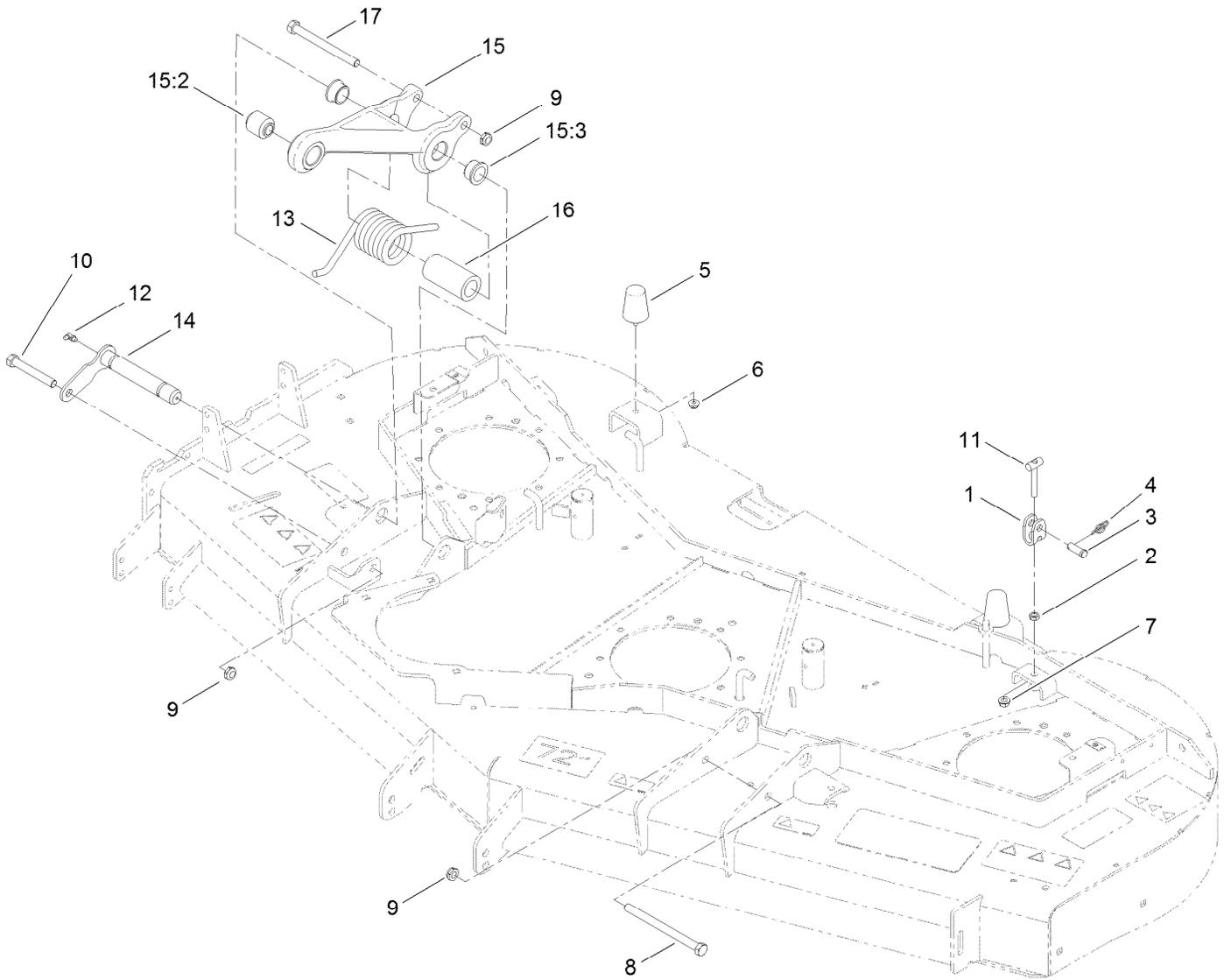
Rubber Deflector Assembly No. 108-2792

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1 | 3231-4 | 4 | Screw-CARR |
| 2 | 106-3246-01 | 1 | Deflector |
| 3 | 106-3248-03 | 1 | Strap-Discharge |
| 4 | 108-5029 | 1 | Deflector-Rubber |
| 5 | 108-4059-01 | 1 | Plate-Hinge, Rear |
| 6 | 106-3253-01 | 1 | Plate-Hinge, Front |
| 7 | 104-8301 | 4 | Nut-Flange, NI |



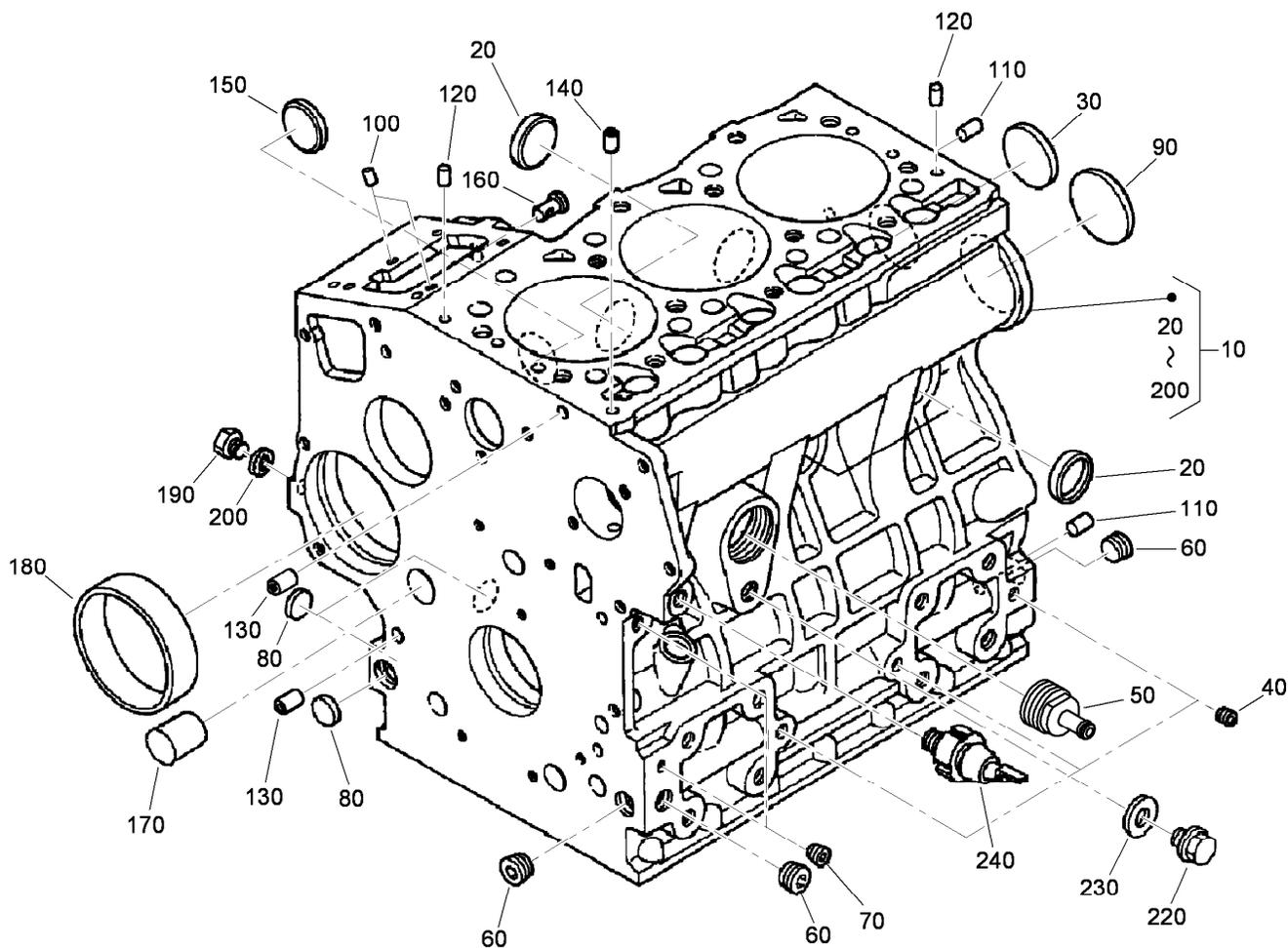
Gearbox Assembly No. 117-9245-03

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 1 | 107-2932 | 1 | Cap-Oil |
| 2 | 107-2933 | 2 | Plug |
| 3 | 117-9247 | 2 | Seal |
| 4 | 107-2935 | 1 | Cap-Oil |
| 5 | 110-8283 | 1 | Plug-Filler, Dipstick |



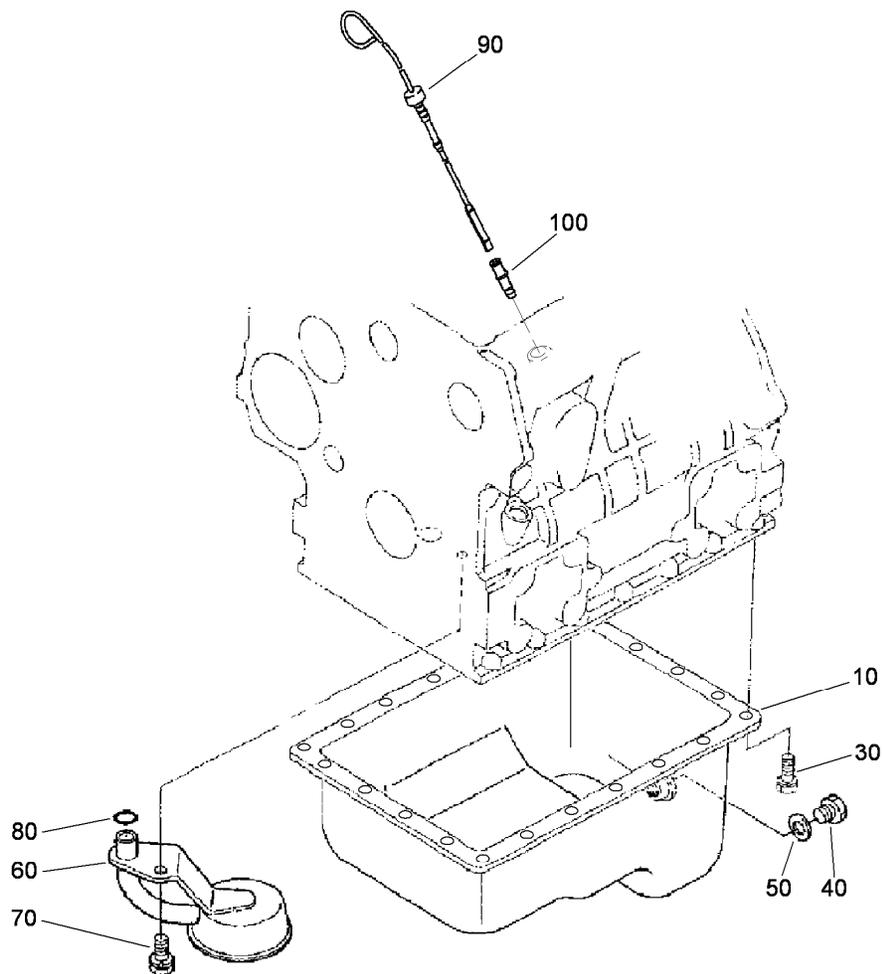
Adjustment Link and Bumper Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1 | 115-1429 | 4 | Yoke-Clevis | 11 | 115-1431 | 4 | T-Bar ASM |
| 2 | 3218-3 | 4 | Nut-Jam | 12 | 302-60 | 4 | Fitting-Grease |
| 3 | 700601 | 4 | Pin-Clevis | 13 | 110-9828 | 2 | Spring-Torsion |
| 4 | 112-1491 | 4 | Pin-Cotter | 14 | 112-1622 | 2 | Pin |
| 5 | 110-5070 | 2 | Bumper | 15 | 112-1625 | 2 | Pull Link ASM |
| 6 | 104-8300 | 2 | Nut-Flange, NI | 15:2 | 107-2328 | 1 | Bushing |
| 7 | 3290-357 | 4 | Nut-HHF, Whiz | 15:3 | 114-5680 | 2 | Bushing-Flange |
| 8 | 325-33 | 1 | Screw-HH | 16 | 110-9845 | 2 | Spacer-Plain |
| 9 | 3296-45 | 4 | Nut-Lock, NI | 17 | 325-22 | 2 | Screw-HH |
| 10 | 325-14 | 1 | Screw-HH | | | | |



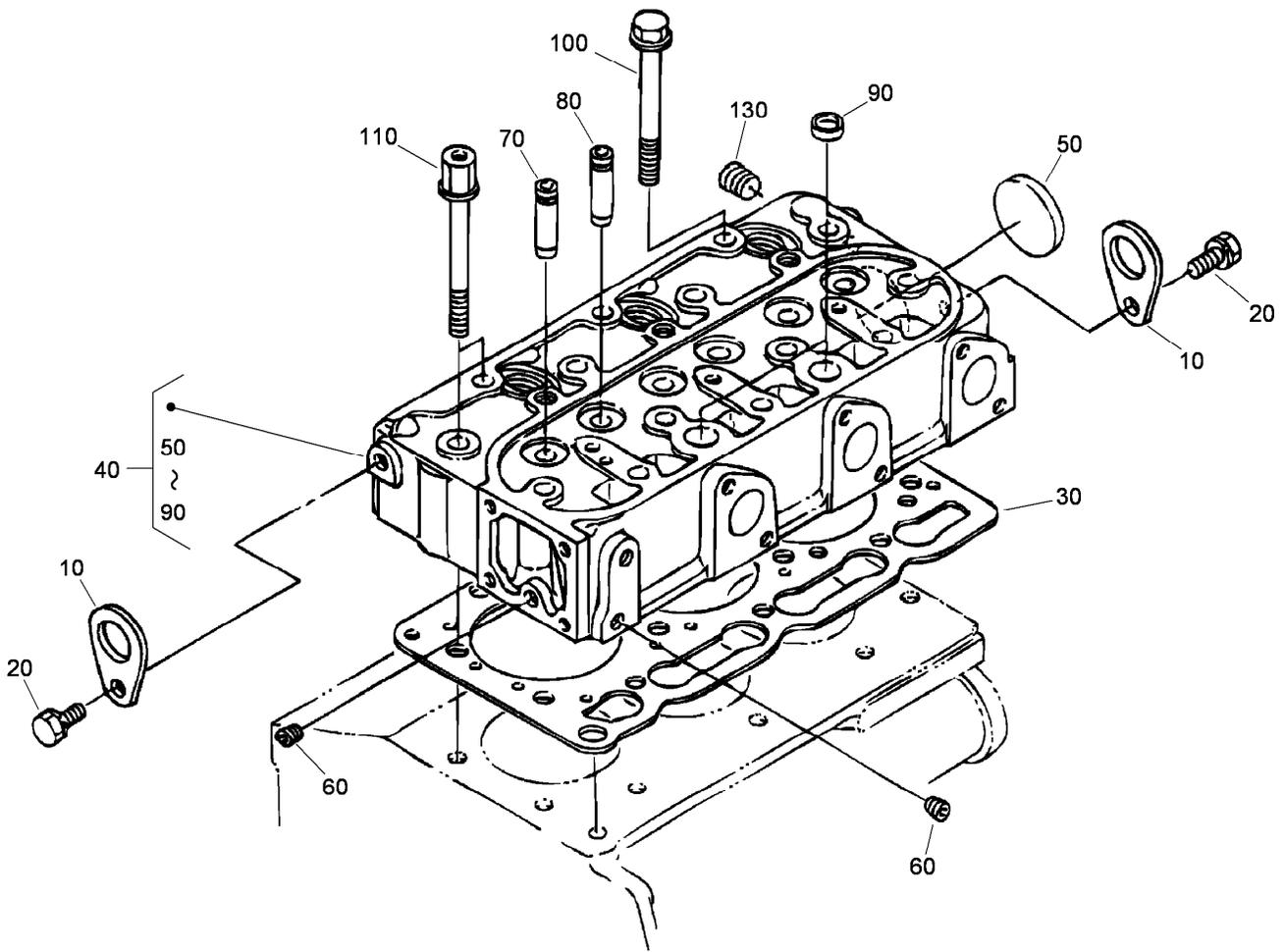
Crankcase Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|------------------------|
| 10 | 112-7043 | 1 | Crankcase ASM |
| 20 | 98-9398 | 4 | Cap-Sealing |
| 30 | 98-7539 | 1 | Cap-Sealing |
| 40 | 98-7540 | 3 | Plug |
| 50 | 99-8347 | 1 | Joint-Pipe, Drain |
| 60 | 98-9597 | 3 | Plug |
| 70 | 98-7487 | 2 | Plug |
| 80 | 98-9379 | 3 | Plug-Expansion |
| 90 | 98-9668 | 1 | Plug-Expansion |
| 100 | 98-9375 | 2 | Pin-Straight |
| 110 | 98-9377 | 2 | Pin-Straight |
| 120 | 98-9376 | 2 | Pin-Straight |
| 130 | 98-9387 | 2 | Pin-Pipe |
| 140 | 98-9539 | 1 | Pin-Pipe |
| 150 | 98-9599 | 1 | Plug |
| 160 | 98-9630 | 1 | Pin-Spring, Start |
| 170 | 98-9675 | 1 | Plug |
| 180 | 98-9656 | 1 | Bushing-Governor, Gear |
| 190 | 98-7507 | 1 | Plug |
| 200 | 98-7428 | 1 | Gasket |
| 220 | 99-3447 | 1 | Plug |
| 230 | 106-7056 | 1 | Gasket |
| 240 | 98-9416 | 1 | Switch-Oil |



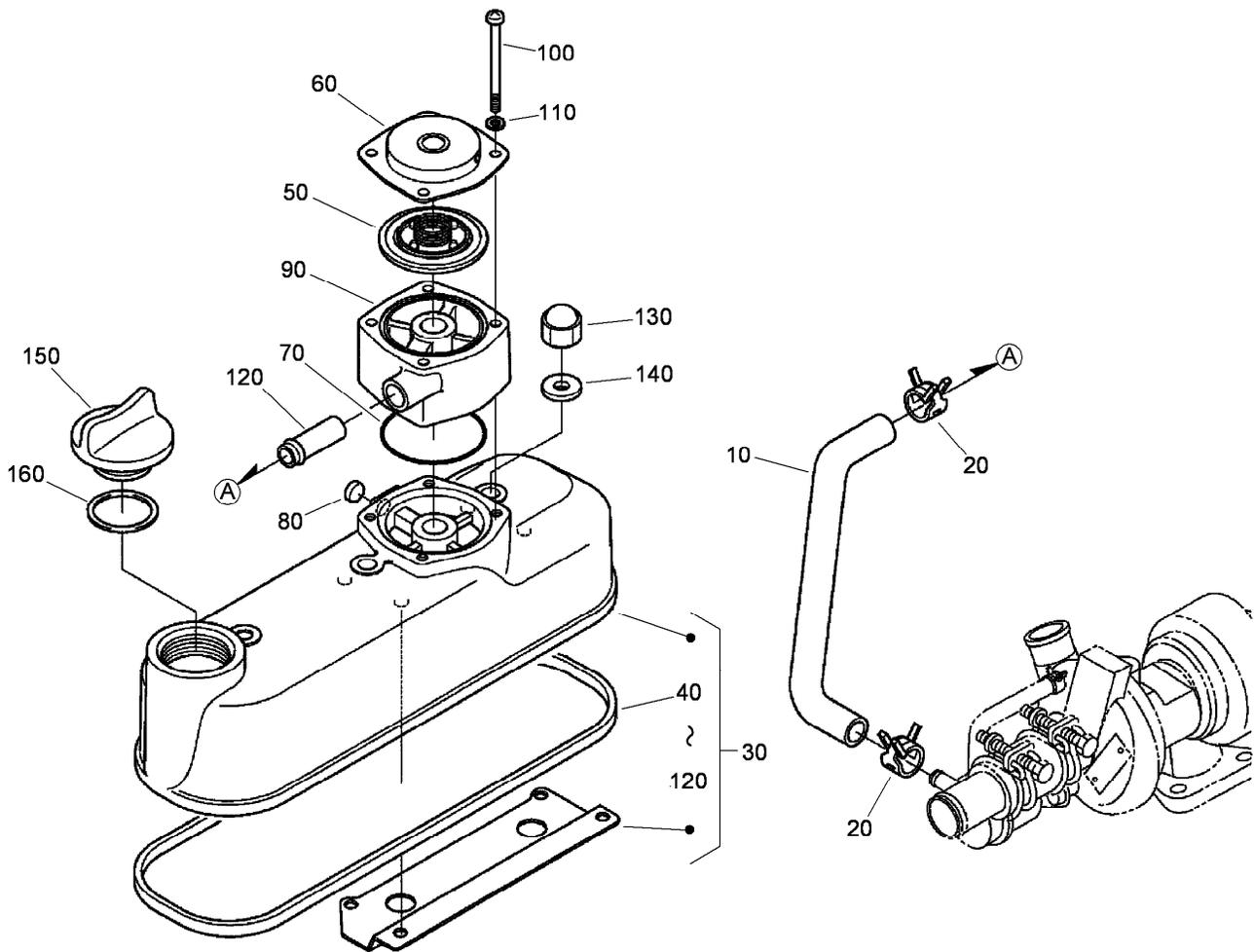
Oil Pan Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10 | 112-0179 | 1 | Pan-Oil |
| 30 | 98-9351 | 22 | Bolt |
| 40 | 114-8151 | 1 | Plug-Drain |
| 50 | 98-7524 | 1 | Gasket |
| 60 | 112-7044 | 1 | *obs* Head-Filter |
| 70 | 98-7526 | 1 | Bolt |
| 80 | 105-3776 | 1 | O-Ring |
| 90 | 107-9076 | 1 | Gauge-Oil |
| 100 | 105-4580 | 1 | Guide-Gauge, Oil |



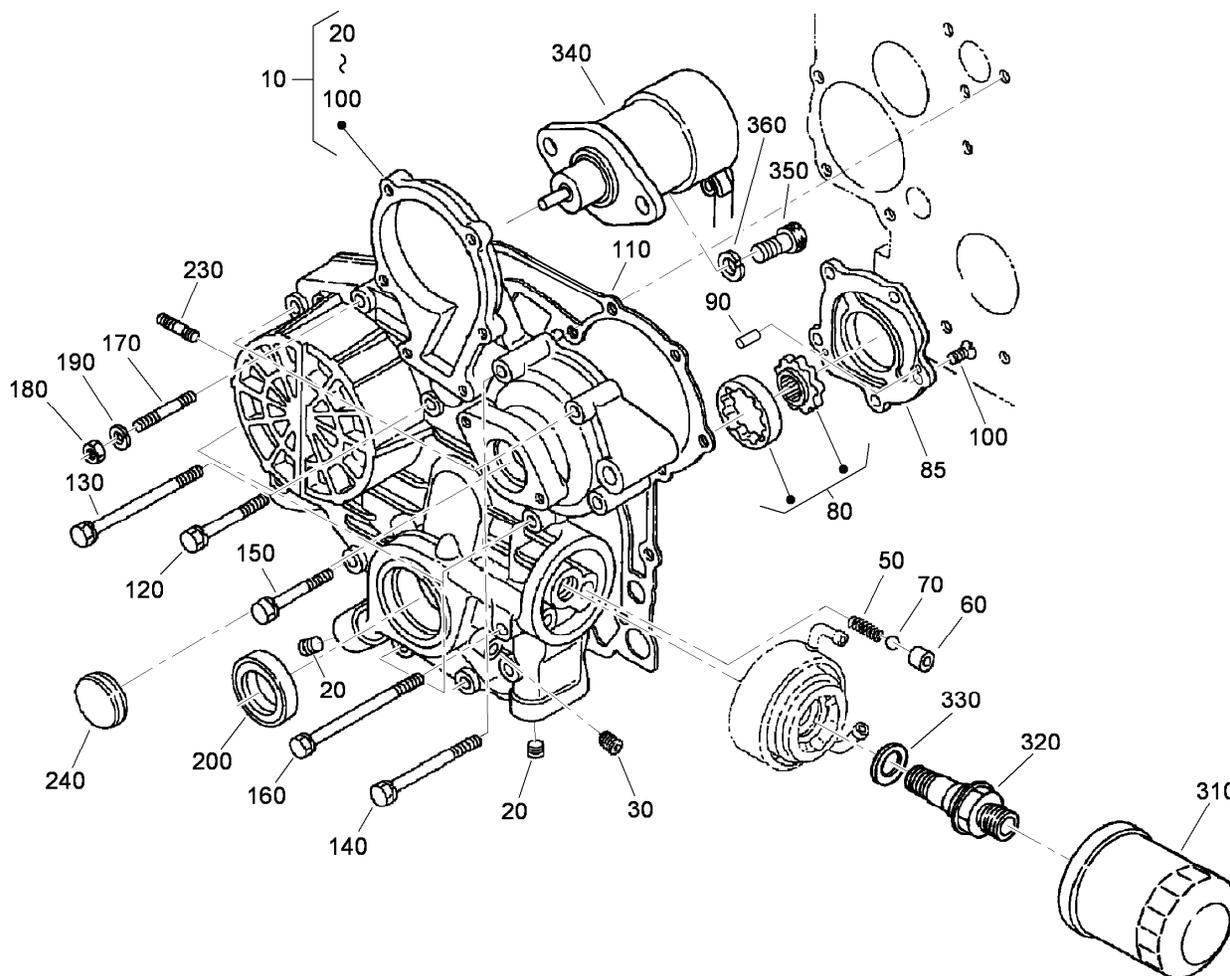
Cylinder Head Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------|
| 10 | 98-7531 | 2 | Hook-Engine |
| 20 | 100-9195 | 2 | Bolt |
| 30 | 108-6573 | 1 | Gasket-Head, Cylinder |
| 40 | 107-7823 | 1 | Cylinder Head ASM |
| 50 | 105-3705 | 1 | Cap-Sealing |
| 60 | 98-7540 | 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 | 12 | Bolt-Head, Cylinder |
| 110 | 98-9647 | 2 | Bolt-Head, Cylinder |
| 130 | 98-9444 | 1 | Plug |



Head Cover Assembly

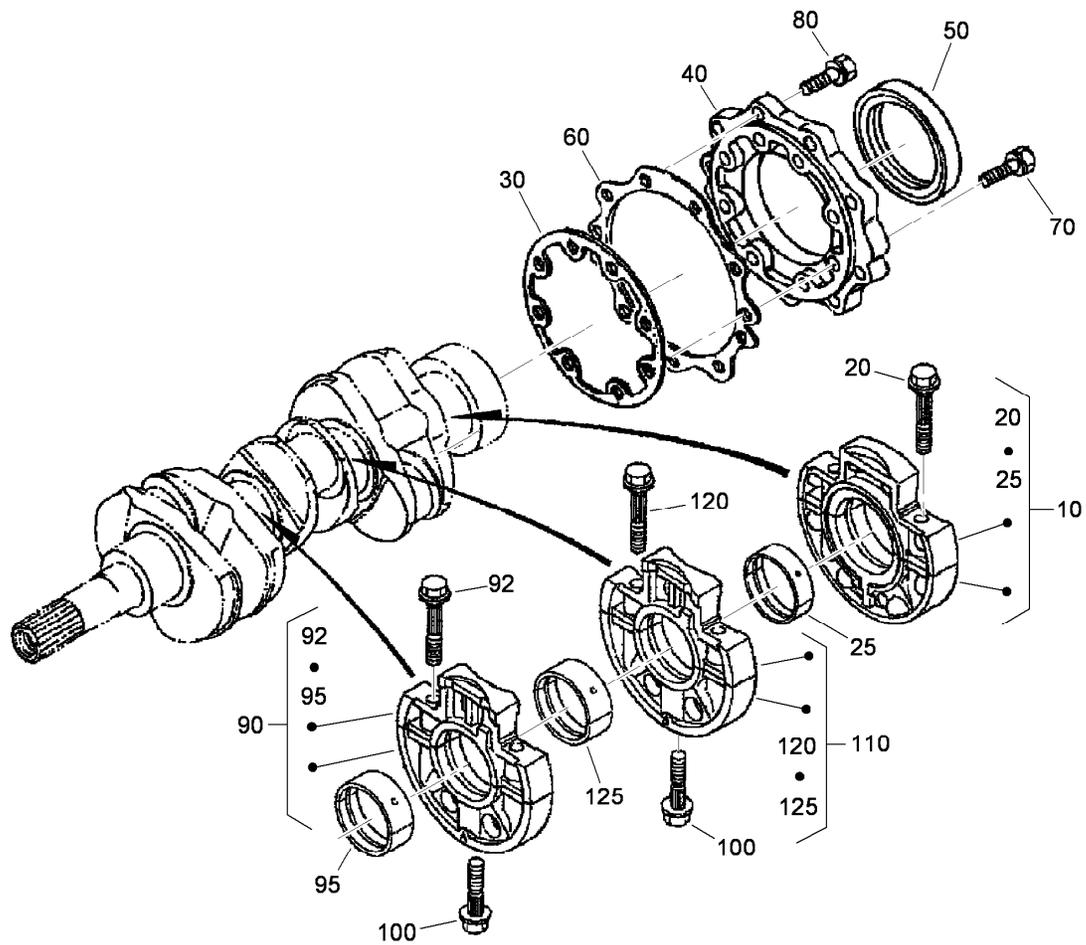
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-------------------------|
| 10 | 115-3040 | 1 | Tube-Breather |
| 20 | 108-2859 | 2 | Clamp-Hose |
| 30 | 115-3041 | 1 | Cylinder Head Cover ASM |
| 40 | 98-9615 | 1 | Gasket-Cover, Head |
| 50 | 108-2861 | 1 | Breather Valve ASM |
| 60 | 110-3714 | 1 | Cover-Breather |
| 70 | 110-3846 | 1 | O Ring-Breather |
| 80 | 115-3042 | 1 | Cap-Sealing |
| 90 | 115-3043 | 1 | Spacer-Breather |
| 100 | 115-3044 | 4 | Screw-Pan Head |
| 110 | 100-2204 | 4 | Washer-Spring |
| 120 | 98-7766 | 1 | Pipe-Return, Water |
| 130 | 98-9455 | 3 | Nut-Cap |
| 140 | 98-9454 | 3 | Gasket |
| 150 | 107-9075 | 1 | Plug-Filler, Oil |
| 160 | 99-3446 | 1 | O-Ring |



Gear Case Assembly

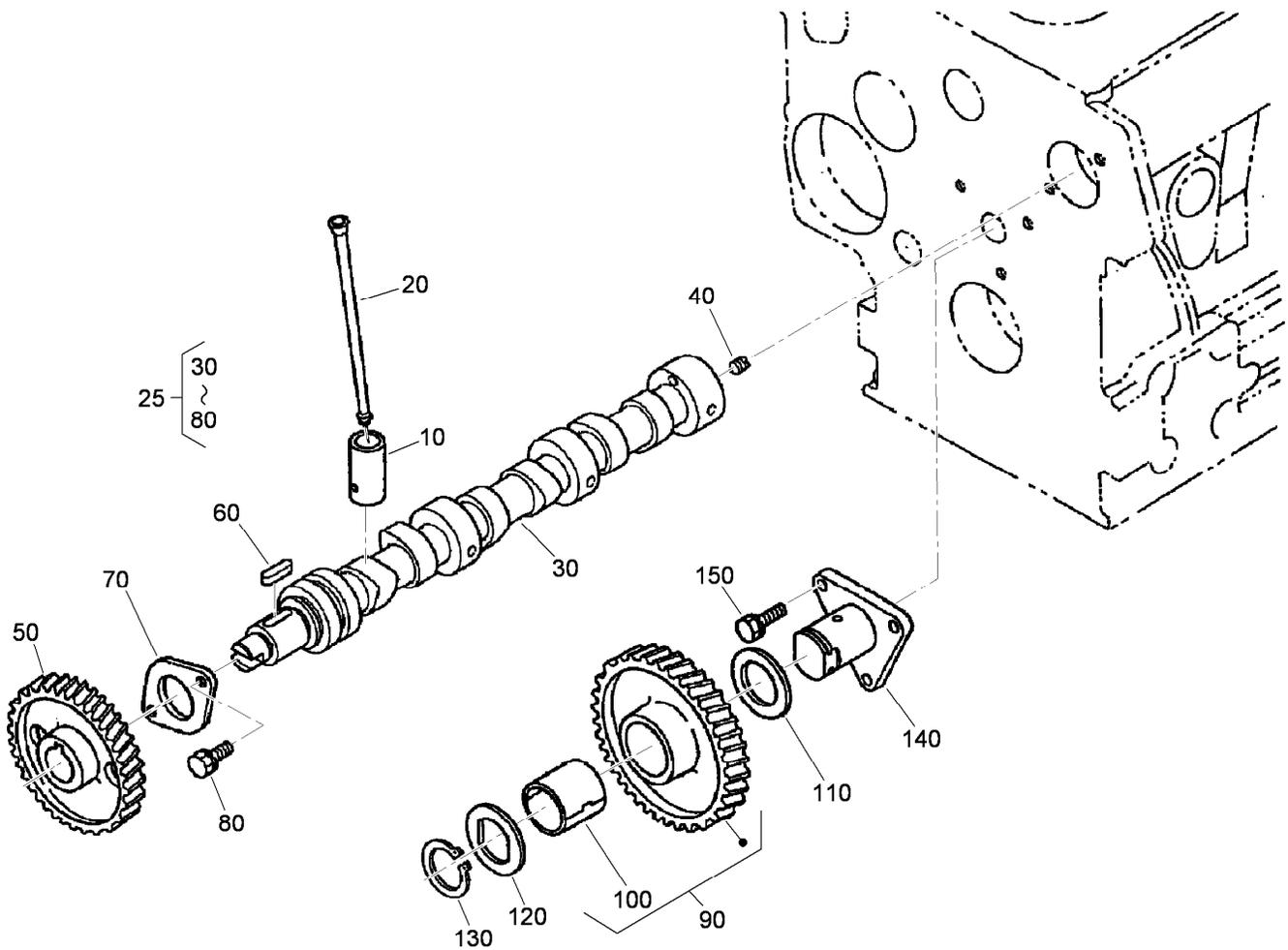
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10 | 115-4111 | 1 | Gear Case ASM |
| 20 | 98-9598 | 2 | Plug |
| 30 | 98-7487 | 1 | Plug |
| 50 | 98-9544 | 1 | Spring |
| 60 | 98-9543 | 1 | Seat-Valve |
| 70 | 98-9380 | 1 | Ball |
| 80 | 98-9540 | 1 | Oil Pump Rotor ASM |
| 85 | 107-9069 | 1 | Cover-Pump, Oil |
| 90 | 107-9072 | 2 | Pin-Straight |
| 100 | 107-9071 | 5 | Screw |
| 110 | 98-9633 | 1 | Gasket-Case, Gear |
| 120 | 98-7496 | 3 | Bolt |
| 130 | 105-3797 | 4 | Bolt |
| 140 | 98-9356 | 4 | Bolt |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 150 | 107-9074 | 1 | Bolt |
| 160 | 98-9586 | 2 | Bolt |
| 170 | 105-3709 | 1 | Stud |
| 180 | 98-7572 | 1 | Nut |
| 190 | 98-7699 | 1 | Washer-Spring |
| 200 | 98-9482 | 1 | Seal-Oil |
| 230 | 105-3710 | 2 | Stud |
| 240 | 98-9641 | 1 | Cover-Case, Gear |
| 310 | 108-3841 | 1 | Filter-Oil |
| 320 | 104-5159 | 1 | Holder ASM |
| 330 | 98-9727 | 1 | Collar |
| 340 | 104-5155 | 1 | Solenoid-Stop |
| 350 | 115-3039 | 2 | Bolt-HSH |
| 360 | 98-7699 | 2 | Washer-Spring |



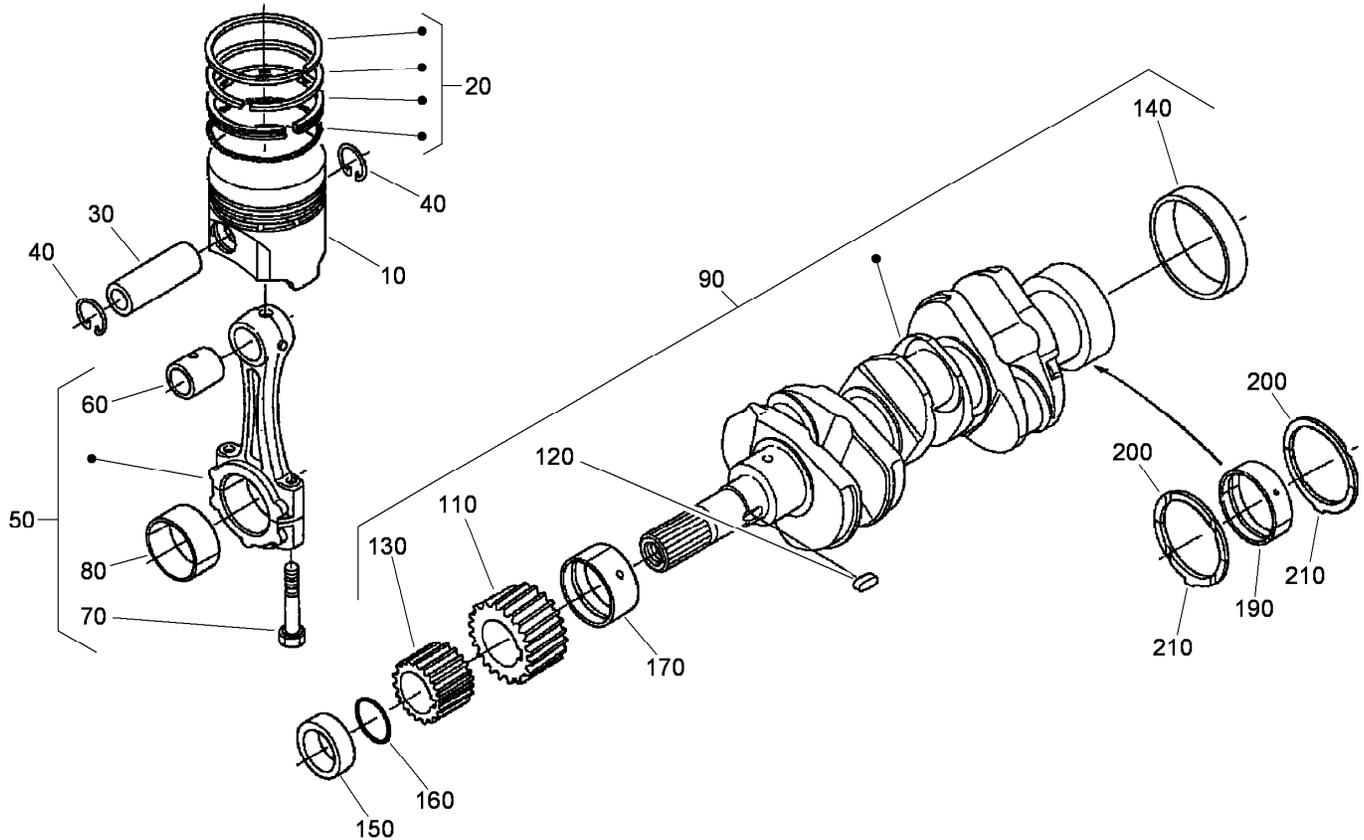
Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|---------------------------|
| 10 | 112-7026 | 1 | Wheel Bearing Case ASM |
| 20 | 98-9484 | 2 | Bolt-Case, Bearing |
| 25 | 112-7045 | 1 | Metal-Crankshaft |
| 25 | 112-7039 | 1 | Metal-Crankshaft (0.2Mm) |
| 25 | 112-7040 | 1 | Metal-Crankshaft (-0.4Mm) |
| 30 | 98-9634 | 1 | Gasket-Case, Bearing |
| 40 | 112-7046 | 1 | Cover-Case, Bearing |
| 50 | 112-0180 | 1 | Seal-Oil |
| 60 | 112-7037 | 1 | Gasket-Cover, Case |
| 70 | 98-9352 | 8 | Bolt |
| 80 | 98-7568 | 9 | Bolt |
| 90 | 112-7028 | 1 | Bearing ASM |
| 92 | 98-9484 | 2 | Bolt-Case, Bearing |
| 95 | 112-7011 | 1 | Bearing-Main (STD) |
| 95 | 112-7012 | 1 | Metal-Crankpin (-0.2Mm) |
| 95 | 112-7013 | 1 | Metal-Crankpin (-0.4Mm) |
| 100 | 98-9485 | 2 | Bolt-Case, Bearing |
| 110 | 112-7027 | 1 | Bearing ASM |
| 120 | 98-9484 | 2 | Bolt-Case, Bearing |
| 125 | 112-7011 | 1 | Bearing-Main (STD) |
| 125 | 112-7012 | 1 | Metal-Crankpin (-0.2Mm) |
| 125 | 112-7013 | 1 | Metal-Crankpin (-0.4Mm) |



Camshaft and Idle Gear Shaft Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|--------------------|
| 10 | 112-0185 | 6 | Tappet |
| 20 | 98-9509 | 6 | Rod-Push |
| 25 | 112-7029 | 1 | Camshaft ASM |
| 30 | 108-1403 | 1 | Camshaft |
| 40 | 98-7449 | 1 | Screw-Set |
| 50 | 98-9512 | 1 | Gear-Cam |
| 60 | 98-9378 | 1 | Key-Feather |
| 70 | 98-9510 | 1 | Stopper-Camshaft |
| 80 | 98-7692 | 2 | Bolt |
| 90 | 98-9649 | 1 | Idle Gear ASM |
| 100 | 98-9650 | 1 | Bushing-Gear, Idle |
| 110 | 98-9535 | 1 | Collar-Gear, Idle |
| 120 | 98-9536 | 1 | Collar-Gear, Idle |
| 130 | 98-9534 | 1 | Circlip-Gear, Idle |
| 140 | 98-9533 | 1 | Shaft-Gear, Idle |
| 150 | 98-7692 | 3 | Bolt |

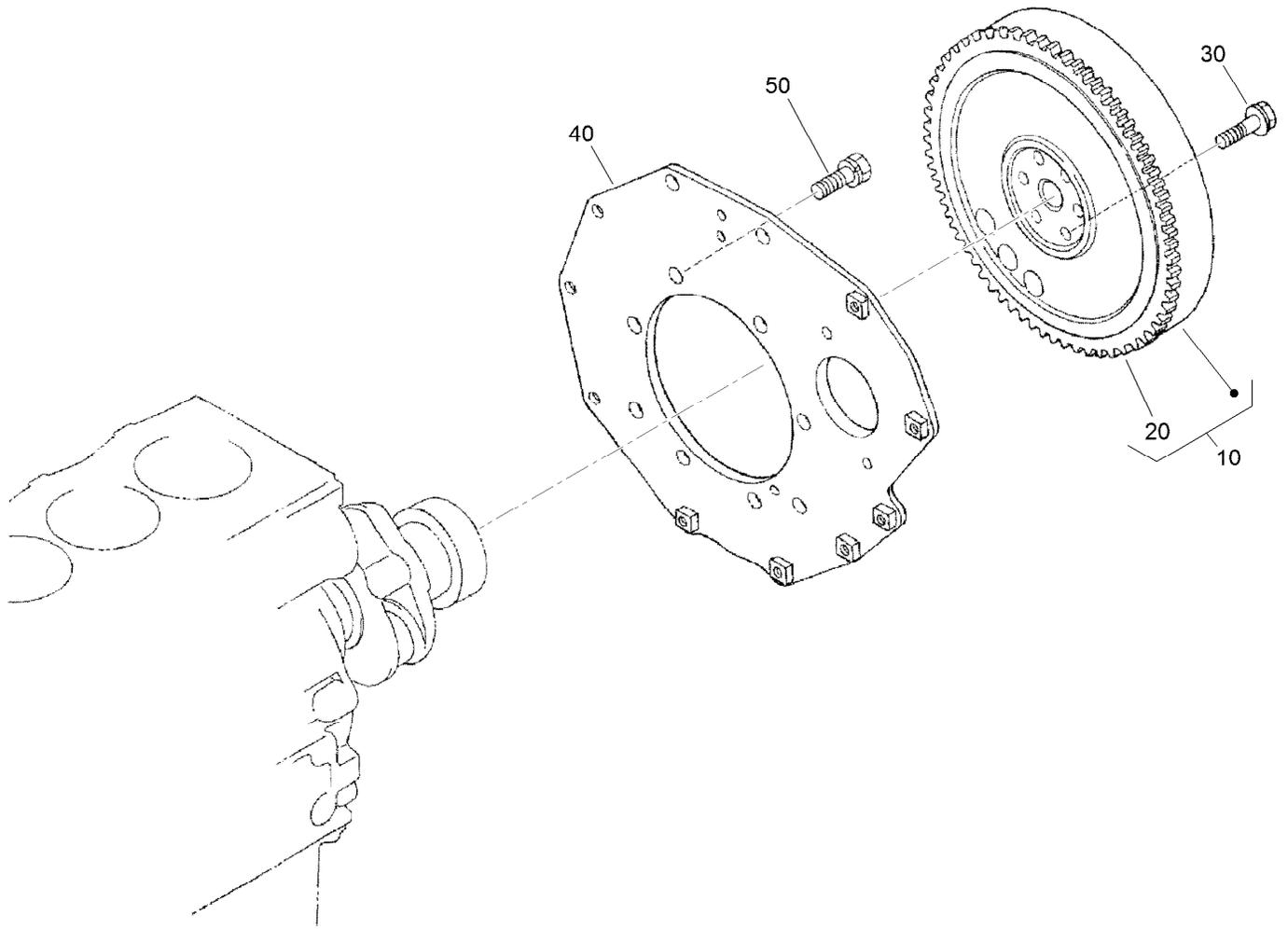


Piston and Crankshaft Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------------------|
| 10 | 98-9550 | 3 | Piston (STD) |
| 10 | 108-1417 | 3 | Piston (0.5Mm) |
| 20 | 98-9551 | 3 | Piston Ring ASM (STD) |
| 20 | 108-1404 | 3 | Piston Ring ASM (0.5Mm) |
| 30 | 98-9513 | 3 | Pin-Piston |
| 40 | 98-9514 | 6 | Circlip-Pin, Piston |
| 50 | 98-9552 | 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 | 108-1405 | 3 | Metal-Crankpin (-0.2Mm) |
| 80 | 108-1406 | 3 | Metal-Crankpin (-0.4Mm) |
| 90 | 98-9642 | 1 | Crankshaft ASM |
| 100 | 110-3729 | 3 | Ball ● |
| 110 | 98-9532 | 1 | Gear-Crankshaft |
| 120 | 98-9666 | 1 | Key |
| 130 | 98-9542 | 1 | Gear-Drive, Oil Pump |
| 140 | 98-9522 | 1 | Sleeve-Crankshaft |

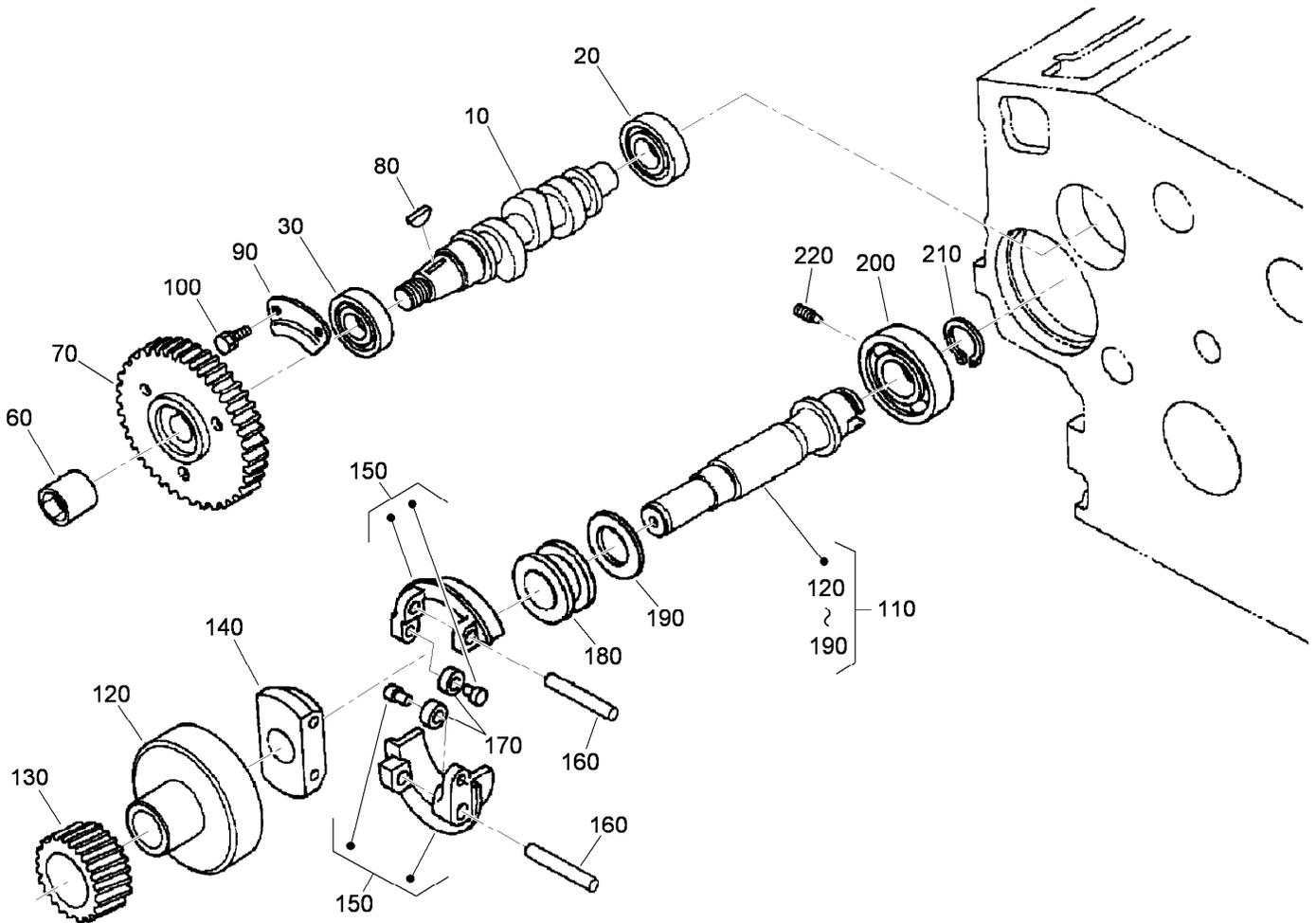
| Ref. | Part Number | Qty. | Description |
|------|-------------|------|---------------------------|
| 150 | 98-9521 | 1 | Collar-Crankshaft |
| 160 | 105-3783 | 1 | O-Ring |
| 170 | 112-7005 | 1 | Bearing-Main (STD) |
| 170 | 112-7009 | 1 | Metal-Crankpin (-0.2Mm) |
| 170 | 112-7010 | 1 | Metal-Crankpin (-0.4Mm) |
| 180 | 112-7011 | 2 | Bearing-Main (STD) ● |
| 180 | 112-7012 | 2 | Metal-Crankpin (-0.2Mm) ● |
| 180 | 112-7013 | 2 | Metal-Crankpin (-0.4Mm) ● |
| 190 | 112-7045 | 1 | Metal-Crankshaft |
| 190 | 112-7039 | 1 | Metal-Crankshaft (0.2Mm) |
| 190 | 112-7040 | 1 | Metal-Crankshaft (-0.4Mm) |
| 200 | 98-9413 | 2 | Bearing-Thrust (STD) |
| 200 | 98-9414 | 2 | Bearing-Thrust (0.2Mm) |
| 200 | 98-9415 | 2 | Bearing-Thrust (0.4Mm) |
| 210 | 98-9688 | 2 | Bearing-Thrust (STD) |
| 210 | 98-9689 | 2 | Bearing-Thrust (0.2Mm) |
| 210 | 98-9690 | 2 | Bearing-Thrust (0.4Mm) |

● Not illustrated



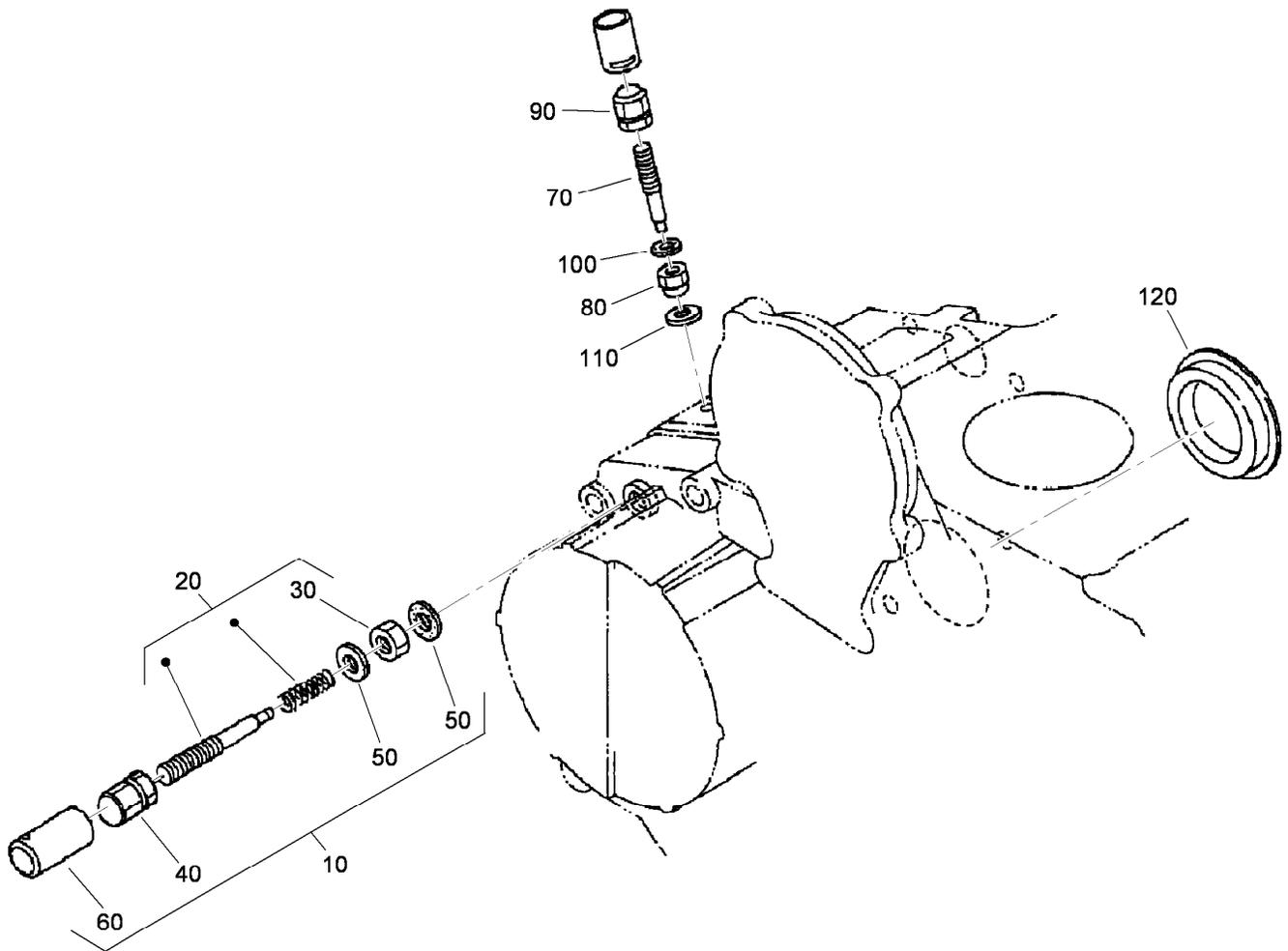
Flywheel Assembly

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



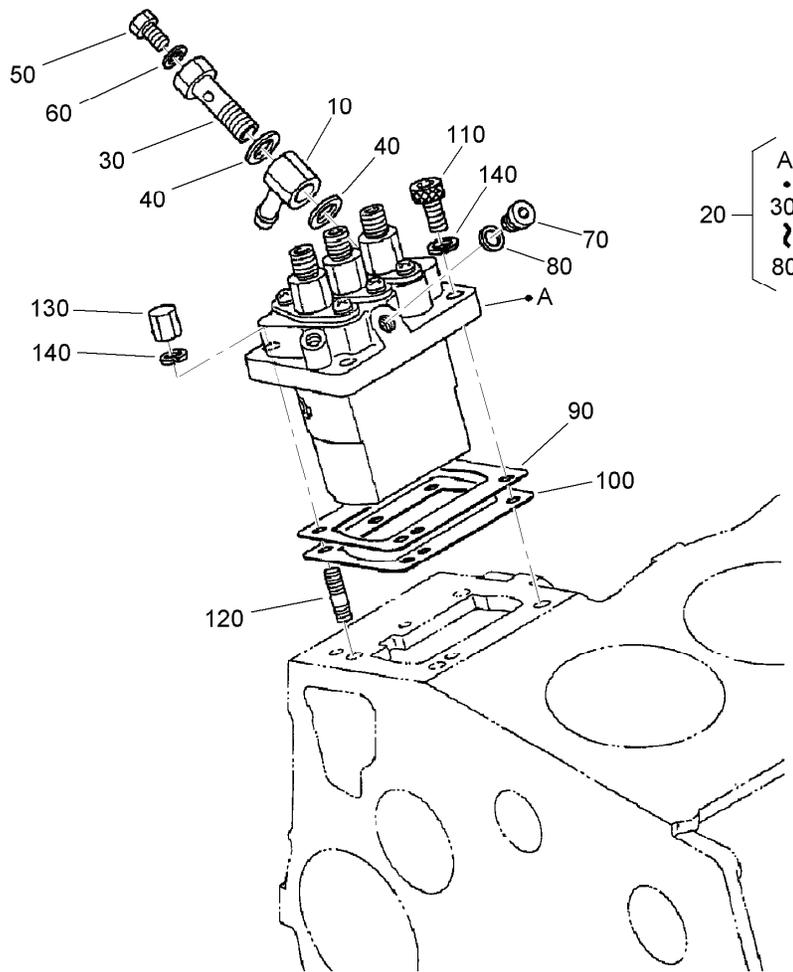
Fuel Camshaft and Governor Shaft Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-------------------------|
| 10 | 98-9459 | 1 | Camshaft-Fuel |
| 20 | 107-9077 | 1 | Bearing-Ball |
| 30 | 107-9078 | 1 | Bearing-Ball |
| 60 | 98-9590 | 1 | Nut-Cap |
| 70 | 98-9669 | 1 | Gear-Pump, Injection |
| 80 | 98-9595 | 1 | Key-Woodruff |
| 90 | 98-9511 | 1 | Stopper-Fuel, Camshaft |
| 100 | 98-7692 | 2 | Bolt |
| 110 | 98-9644 | 1 | Governor Shaft ASM |
| 120 | 98-9562 | 1 | Holder-Gear, Governor |
| 130 | 98-9673 | 1 | Gear-Governor |
| 140 | 98-9561 | 1 | Holder-Weight, Governor |
| 150 | 98-9559 | 2 | Governor Weight ASM |
| 160 | 98-9560 | 2 | Shaft-Weight, Governor |
| 170 | 98-9692 | 2 | Roller |
| 180 | 98-9563 | 1 | Sleeve-Governor |
| 190 | 98-9564 | 1 | Washer-Thrust |
| 200 | 107-9079 | 1 | Bearing-Ball |
| 210 | 98-9657 | 1 | Circlip-Shaft, Governor |
| 220 | 98-9565 | 1 | Screw-Set |



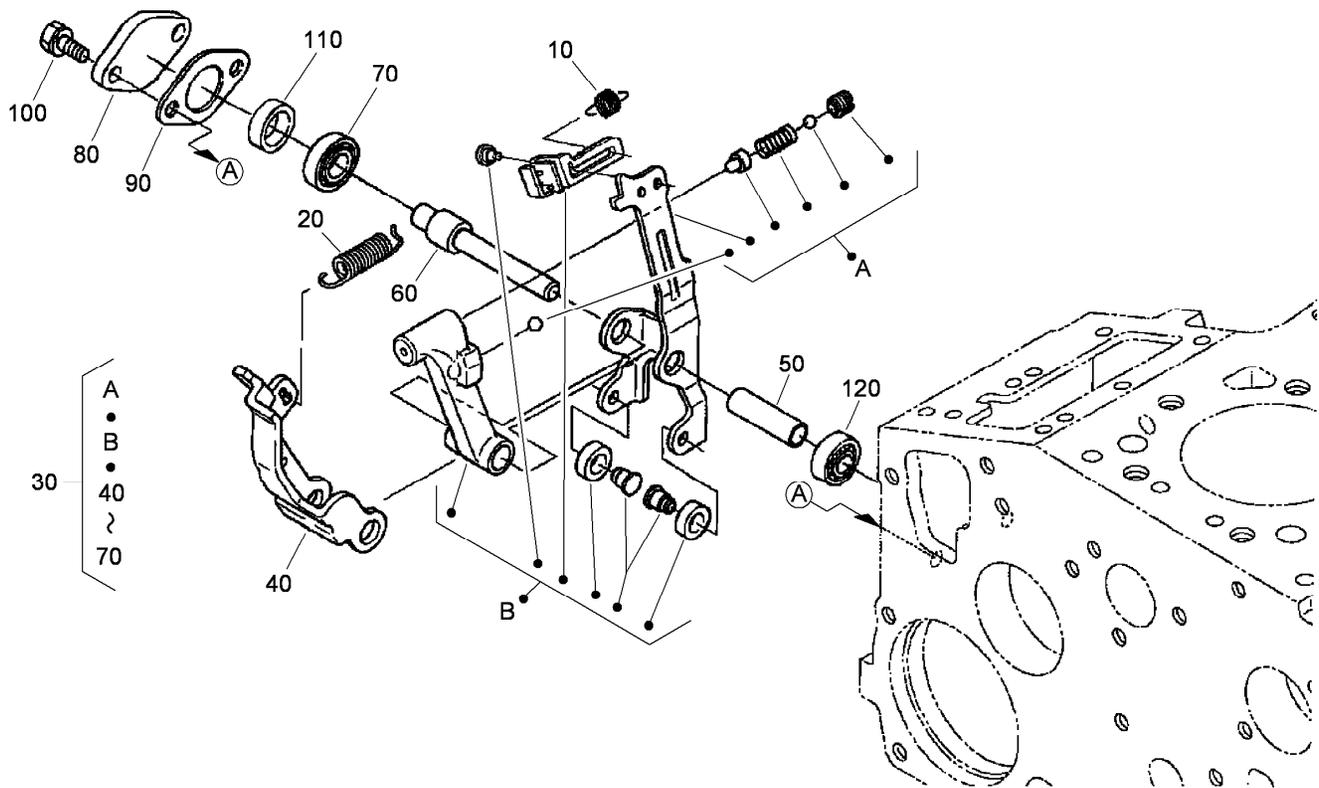
Idle Apparatus Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10 | 98-9678 | 1 | Idle Apparatus ASM |
| 20 | 112-7014 | 1 | Adjusting Bolt ASM |
| 30 | 99-8387 | 1 | Nut-Cap |
| 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 | 112-7016 | 1 | Cover-Pump |



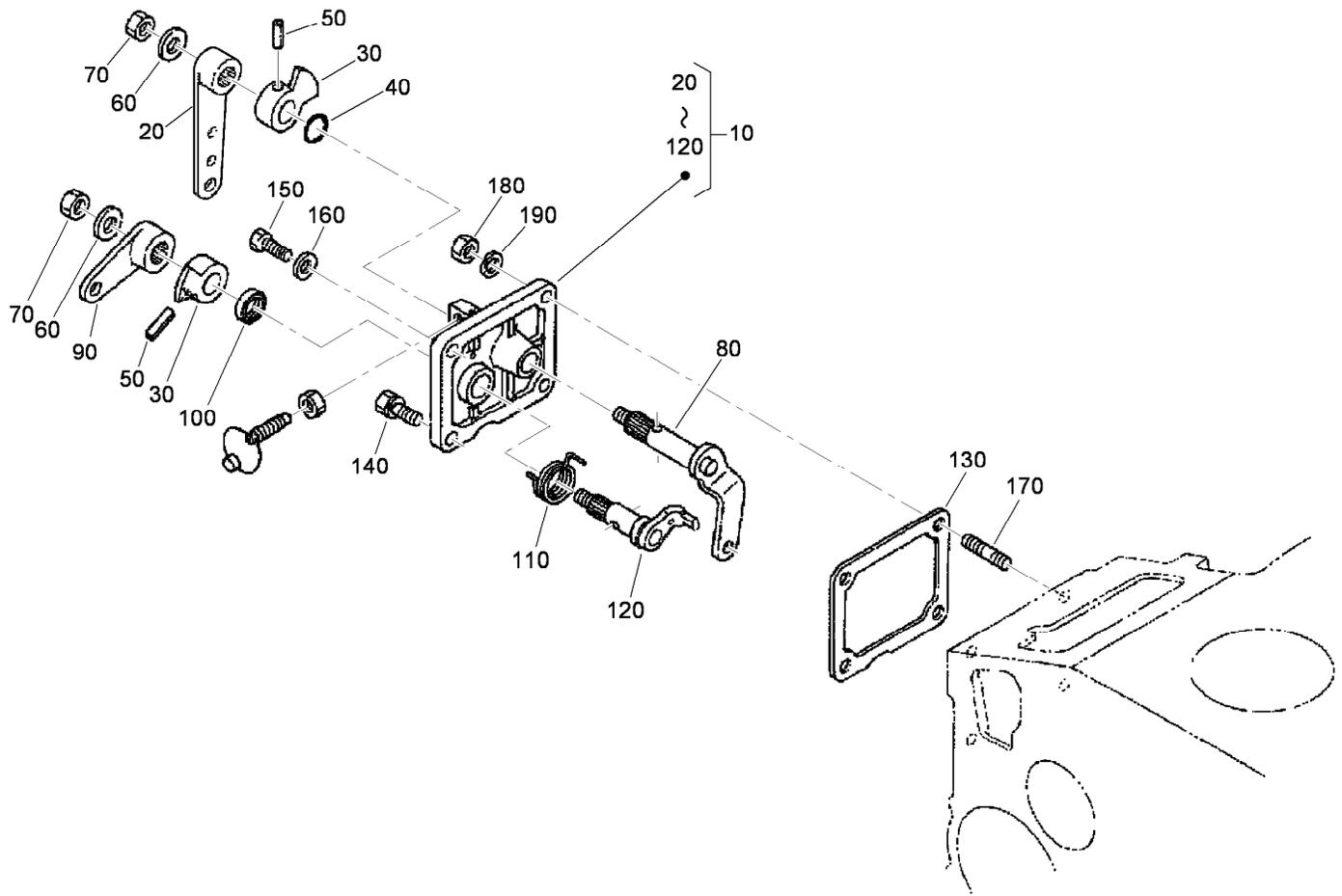
Injection Pump Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-------------------------|
| 10 | 98-9596 | 1 | Joint-Eye |
| 20 | 98-9643 | 1 | Injection Pump ASM |
| 30 | 98-9464 | 1 | Bolt-Joint |
| 40 | 98-9445 | 2 | Gasket |
| 50 | 98-9430 | 1 | Screw |
| 60 | 98-9446 | 1 | Gasket |
| 70 | 98-9466 | 1 | Plug |
| 80 | 98-9451 | 1 | Gasket |
| 90 | 98-9457 | 1 | Shim-Injection (0.25Mm) |
| 90 | 98-9456 | 1 | Shim-Injection (0.20Mm) |
| 100 | 98-9458 | 1 | Shim-Injection (0.30Mm) |
| 110 | 98-9361 | 2 | Bolt-HSH |
| 120 | 98-9438 | 2 | Stud |
| 130 | 98-9440 | 2 | Nut-Cap |
| 140 | 98-7699 | 4 | Washer-Spring |



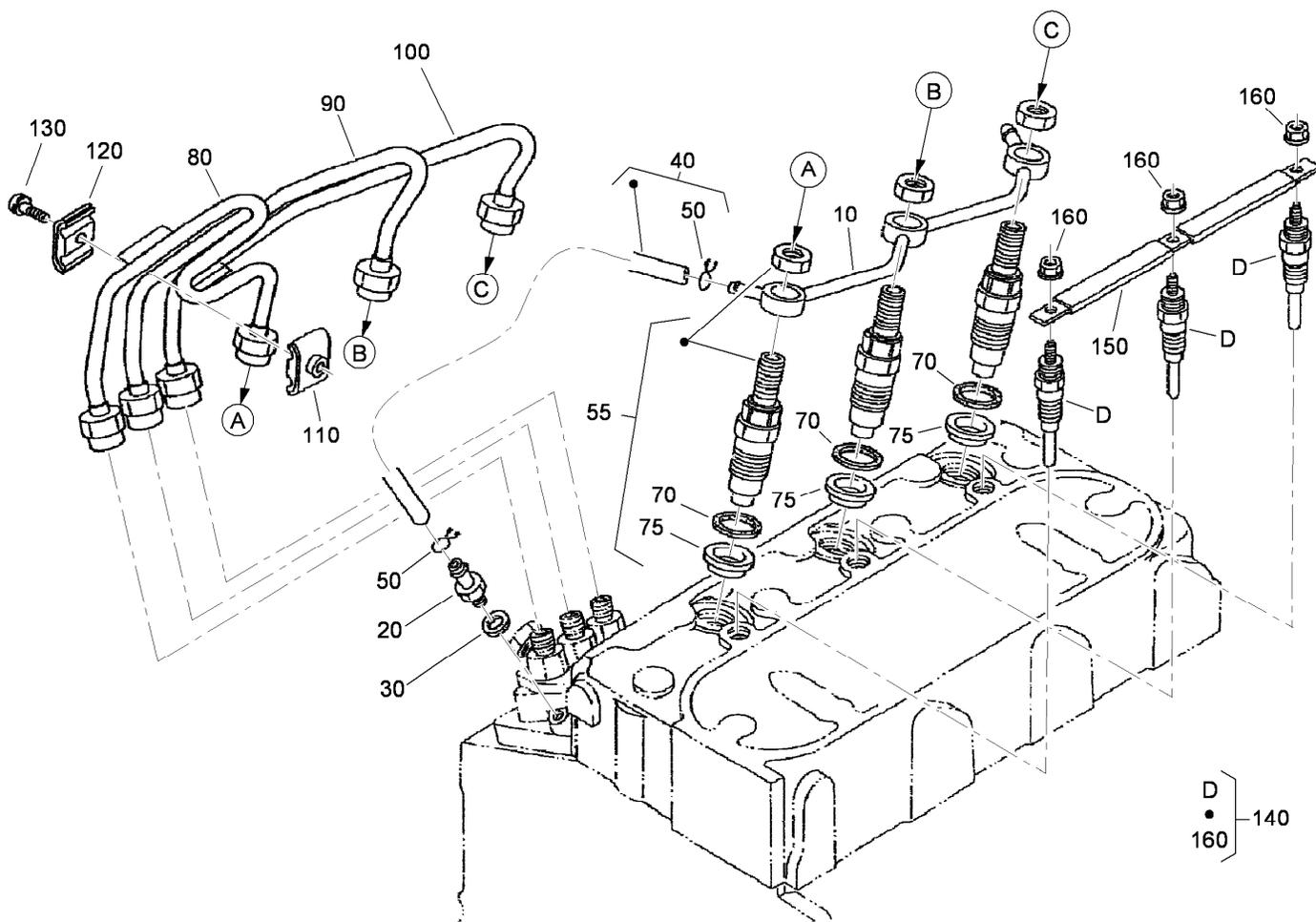
Governor Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-------------------------|
| 10 | 105-3786 | 1 | Spring-Start |
| 20 | 98-9681 | 1 | Spring-Governor |
| 30 | 107-9082 | 1 | Fork Lever ASM |
| 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 | 98-9569 | 1 | Cover-Shaft, Fork Lever |
| 90 | 98-9682 | 1 | Gasket |
| 100 | 98-9350 | 2 | Bolt |
| 110 | 98-9567 | 1 | Collar |
| 120 | 98-9571 | 1 | Bearing-Miniaturize |



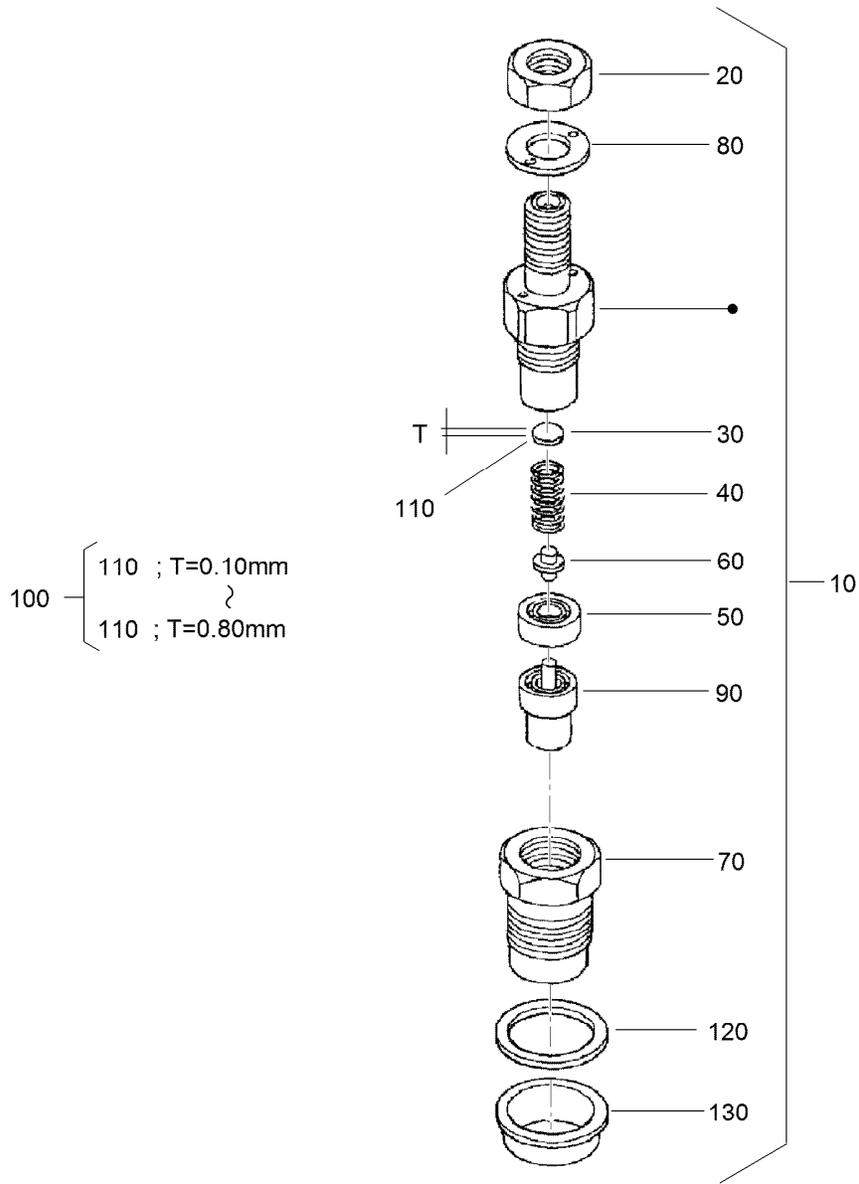
Speed Control Plate Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|
| 10 | 105-3735 | 1 | Control Plate ASM |
| 20 | 98-9662 | 1 | Lever-Control, Speed |
| 30 | 98-9572 | 2 | Lever-Control, Speed |
| 40 | 105-3788 | 1 | O-Ring |
| 50 | 98-7602 | 2 | Pin-Spring |
| 60 | 98-9594 | 2 | Washer-Plain |
| 70 | 98-9589 | 2 | Nut |
| 80 | 98-9658 | 1 | Governor Lever ASM |
| 90 | 98-9663 | 1 | Lever-Stop, Engine |
| 100 | 98-7601 | 1 | Seal-Oil |
| 110 | 98-9472 | 1 | Spring-Return |
| 120 | 98-9664 | 1 | Shaft-Lever, Stop |
| 130 | 98-9637 | 1 | Gasket |
| 140 | 98-7692 | 1 | Bolt |
| 150 | 99-8348 | 1 | Bolt |
| 160 | 98-7654 | 1 | Gasket |
| 170 | 105-3710 | 2 | Stud |
| 180 | 98-7572 | 2 | Nut |
| 190 | 98-7699 | 2 | Washer-Spring |



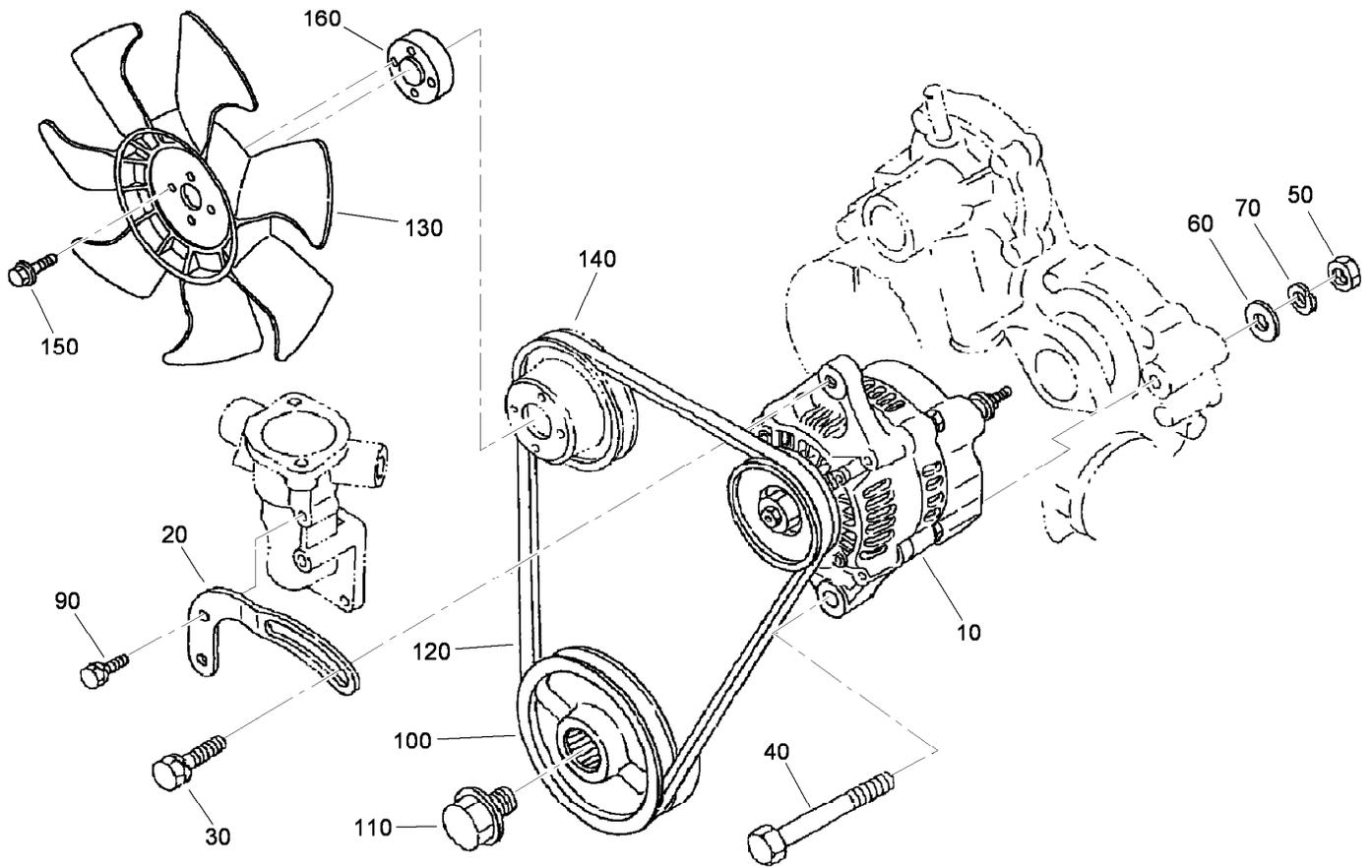
Nozzle Holder and Glow Plug Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|--------------------|
| 10 | 98-9621 | 1 | Overflow Pipe ASM |
| 20 | 98-9431 | 1 | Screw-Bleeder, Air |
| 30 | 98-7654 | 1 | Gasket |
| 40 | 98-9624 | 1 | Overflow Pipe ASM |
| 50 | 98-7671 | 2 | Clip-Pipe |
| 55 | 108-2866 | 3 | Nozzle Holder Kit |
| 70 | 98-7676 | 3 | Gasket |
| 75 | 98-7677 | 3 | Seal-Heat |
| 80 | 98-9622 | 1 | Pipe-Injection |
| 90 | 98-9654 | 1 | Pipe-Injection |
| 100 | 98-9655 | 1 | Pipe-Injection |
| 110 | 98-7682 | 2 | Clamp-Pipe |
| 120 | 98-7683 | 2 | Clamp-Pipe |
| 130 | 98-7684 | 2 | Screw (W/Washer) |
| 140 | 98-9623 | 3 | Plug-Glow |
| 150 | 98-9631 | 1 | Cord-Plug, Glow |
| 160 | 99-8377 | 3 | Nut-Flange |



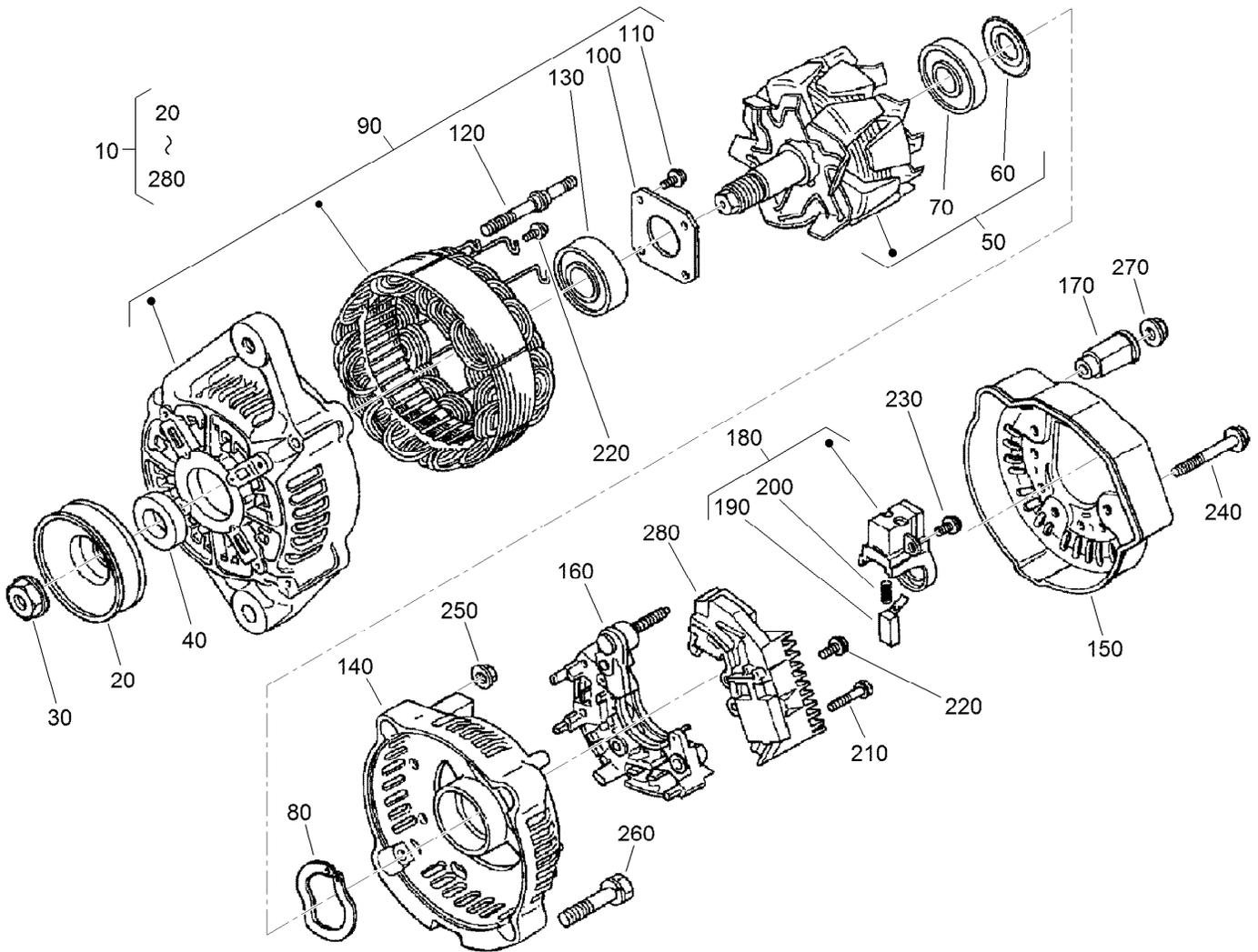
Nozzle Holder Assembly

| 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 |



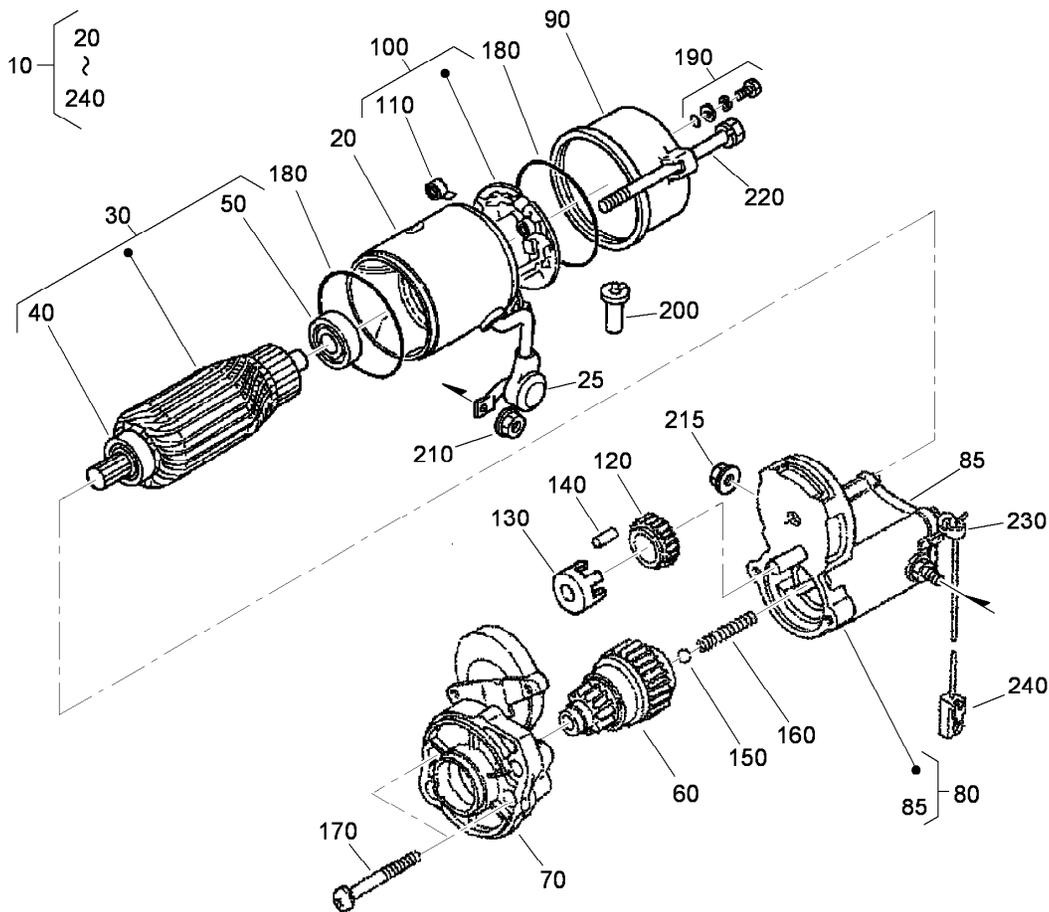
Alternator and Pulley Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10 | 98-9474 | 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 | 98-9473 | 1 | Pulley-Drive, Fan |
| 110 | 98-9585 | 1 | Bolt |
| 120 | 98-9676 | 1 | V-Belt |
| 130 | 104-4246 | 1 | Fan-Engine |
| 140 | 98-9584 | 1 | Pulley-Fan |
| 150 | 33103-020 | 4 | Screw-HHF |
| 160 | 108-2872 | 1 | Collar-Fan |



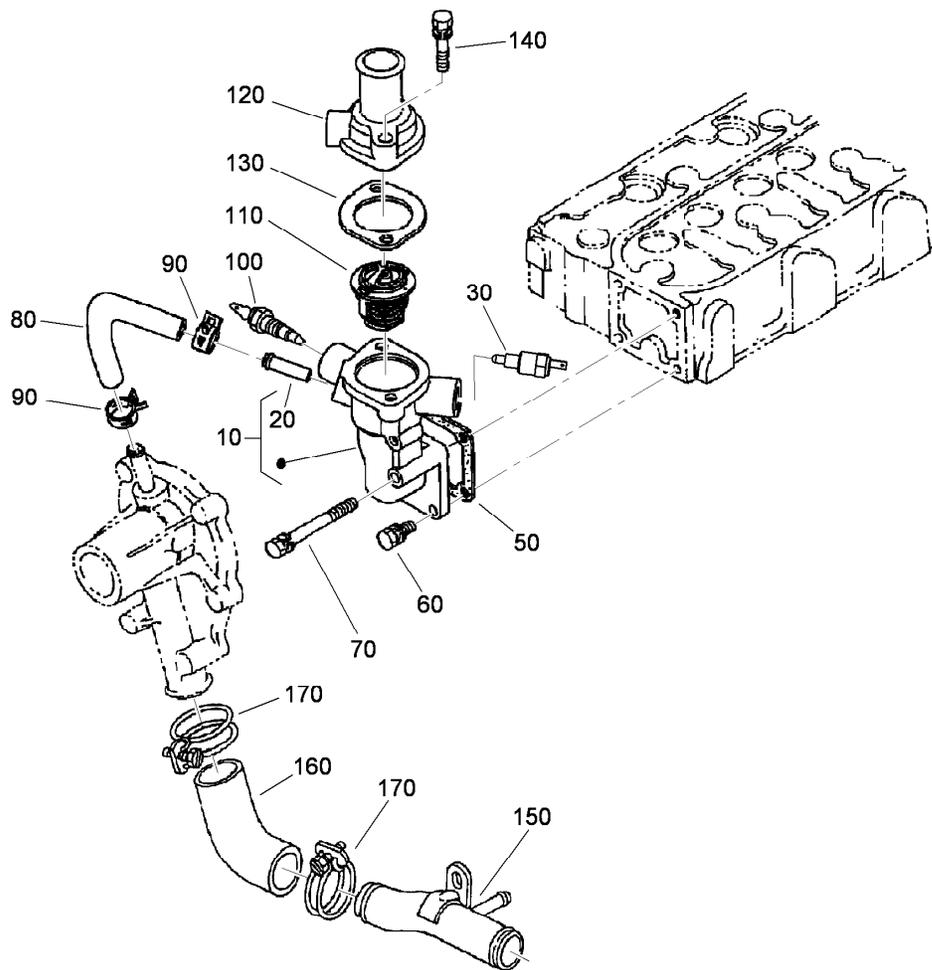
Alternator Components Assembly

| Ref. | Part Number | Qty. | Description | Ref. | Part Number | Qty. | Description |
|------|-------------|------|---------------------|------|-------------|------|--------------------|
| 10 | 98-9474 | 1 | Alternator ASM | 150 | 107-0140 | 1 | Cover-End |
| 20 | 98-9453 | 1 | Pulley-Dynamo | 160 | 98-7721 | 1 | Rectifier ASM |
| 30 | 98-7708 | 1 | Nut | 170 | 98-7722 | 1 | Bushing-Insulation |
| 40 | 98-7709 | 1 | Collar | 180 | 107-0141 | 1 | Brush Holder ASM |
| 50 | 107-0136 | 1 | Rotor ASM | 190 | 98-7724 | 2 | Brush |
| 60 | 98-7711 | 1 | Cover-Bearing | 200 | 98-7725 | 2 | Spring-Brush |
| 70 | 107-0138 | 1 | Bearing-Ball | 210 | 98-7726 | 2 | Screw-Head, Round |
| 80 | 98-7713 | 1 | Washer-Thrust | 220 | 98-7727 | 6 | Screw-Head, Round |
| 90 | 107-0139 | 1 | Drive End Frame ASM | 230 | 98-7728 | 1 | Screw-Head, Round |
| 100 | 98-7715 | 1 | Plate-Retainer | 240 | 98-7729 | 3 | Bolt |
| 110 | 98-7716 | 4 | Screw-Head, Round | 250 | 98-7730 | 2 | Nut |
| 120 | 98-7717 | 2 | Bolt-Through | 260 | 98-7731 | 2 | Bolt |
| 130 | 107-0137 | 1 | Bearing-Ball | 270 | 98-7732 | 1 | Nut |
| 140 | 107-9087 | 1 | Frame-End | 280 | 110-3799 | 1 | Regulator ASM |



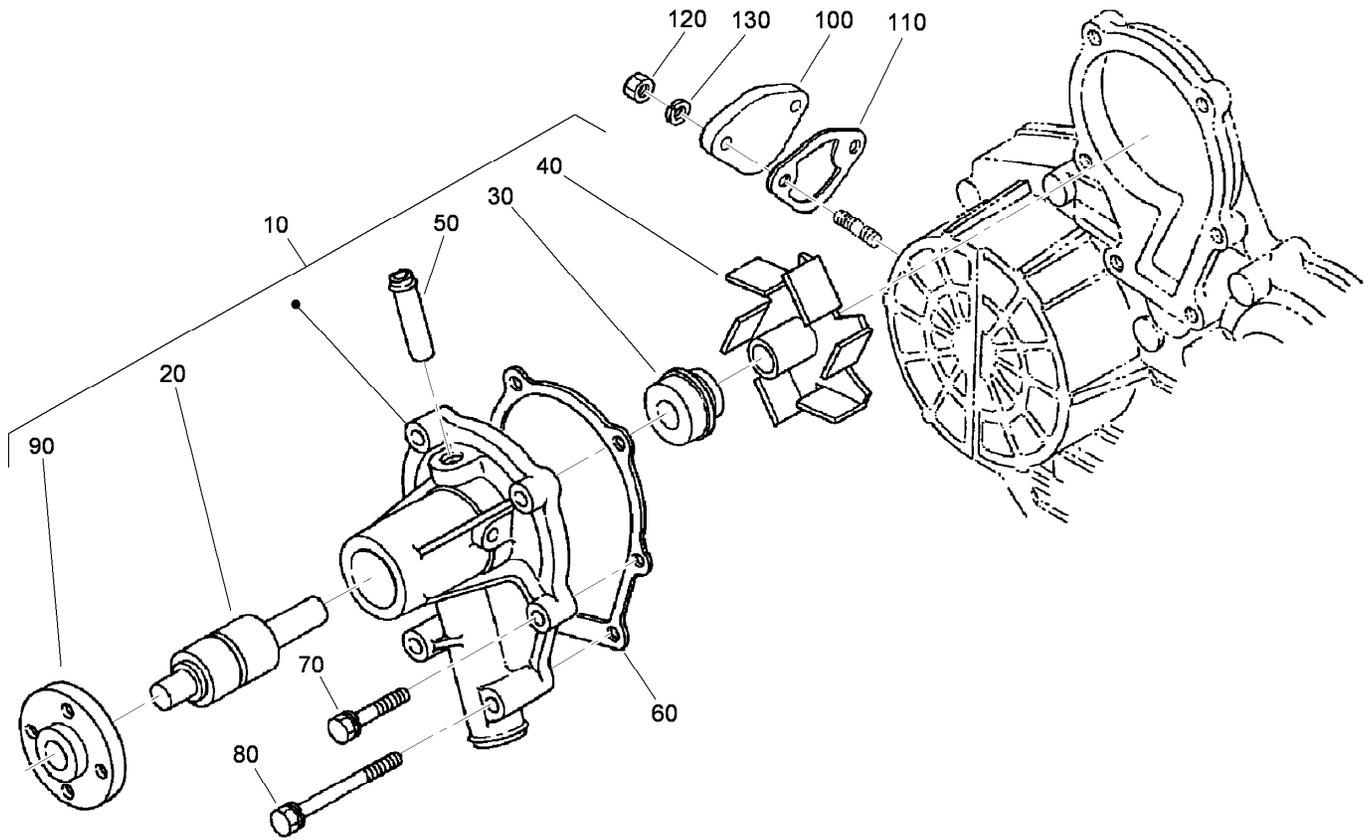
Starter (Component Part) Assembly No. 98-9705

| <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> |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|---------------------|
| 10 | 98-9705 | 1 | Starter ASM | 130 | 98-7752 | 1 | Retainer |
| 20 | 104-8608 | 1 | Yoke ASM | 140 | 98-7753 | 5 | Roller |
| 25 | 99-8375 | 1 | Cover | 150 | 98-7755 | 1 | Ball |
| 30 | 98-7742 | 1 | Armature ASM | 160 | 98-7754 | 1 | Spring |
| 40 | 98-7744 | 1 | Bearing | 170 | 98-7756 | 2 | Bolt |
| 50 | 98-7743 | 1 | Bearing | 180 | 98-7757 | 2 | O-Ring |
| 60 | 99-8373 | 1 | Clutch-Running, Over | 190 | 98-7758 | 2 | Bolt ASM |
| 70 | 99-8374 | 1 | Frame-End, Drive | 200 | 98-7759 | 1 | Pipe-Drain |
| 80 | 105-3746 | 1 | Magnetic Switch ASM | 210 | 99-8371 | 1 | Nut-Hex |
| 85 | 105-2886 | 1 | Cover ASM | 215 | 99-8376 | 1 | Nut-Hex |
| 90 | 98-7748 | 1 | Frame-End | 220 | 100-9240 | 2 | Bolt |
| 100 | 98-7749 | 1 | Brush Holder ASM | 230 | 98-9712 | 1 | Band-Cover |
| 110 | 98-7750 | 4 | Spring-Brush | 240 | 98-9711 | 1 | Cord-Solenoid, Stop |
| 120 | 98-7751 | 1 | Gear | | | | |



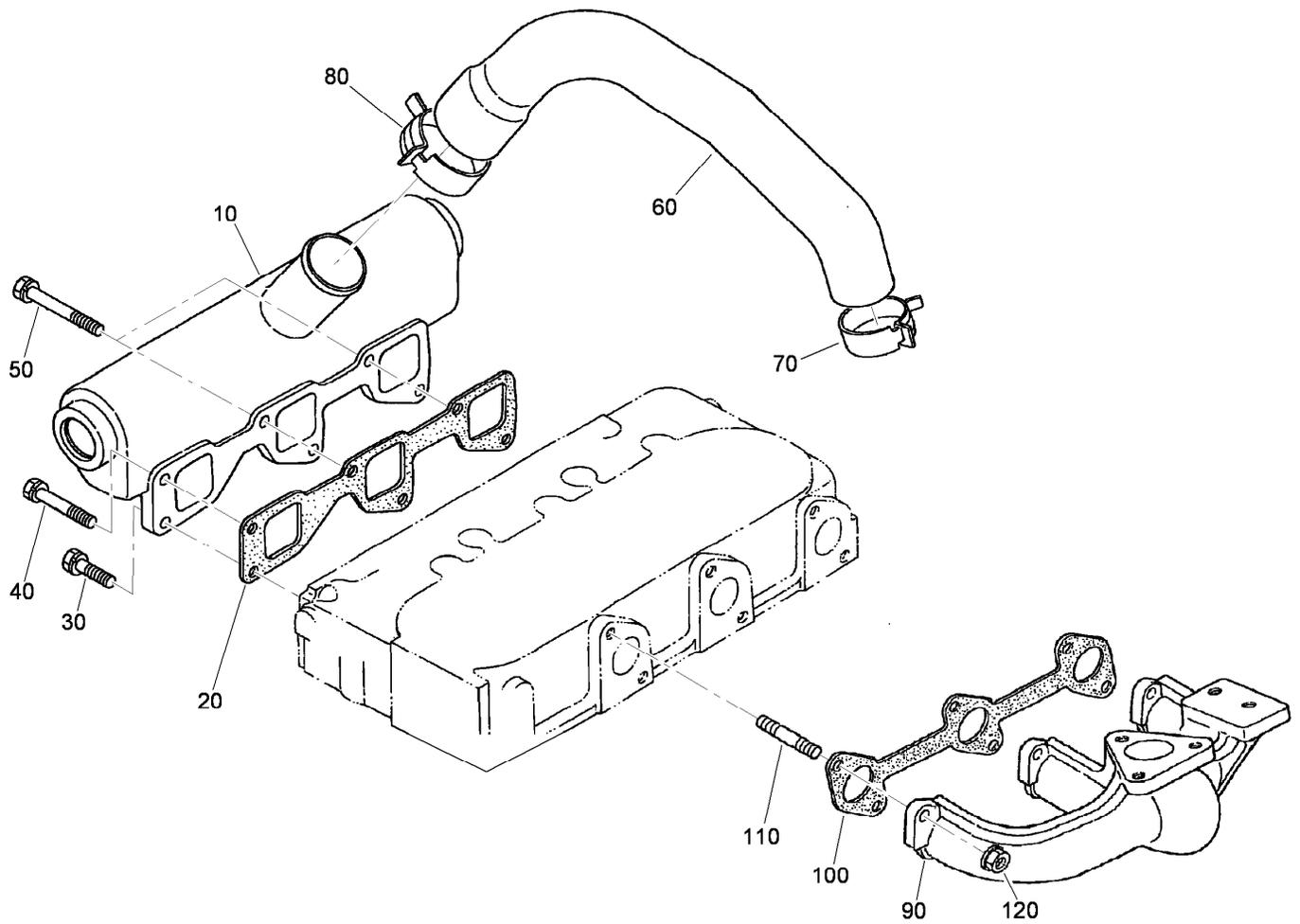
Water Flange and Thermostat Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|
| 10 | 98-9713 | 1 | Water Flange ASM |
| 20 | 98-9580 | 1 | Pipe-Return, Water |
| 30 | 98-9719 | 1 | Thermoswitch |
| 50 | 98-9638 | 1 | Gasket-Flange, Water |
| 60 | 98-7692 | 3 | Bolt |
| 70 | 98-9356 | 1 | Bolt |
| 80 | 98-9578 | 1 | Pipe-Return, Water |
| 90 | 98-9579 | 2 | Band-Pipe |
| 100 | 112-0183 | 1 | Switch-Thermometer |
| 110 | 98-7778 | 1 | Thermostat ASM |
| 120 | 98-9471 | 1 | Cover-Thermostat |
| 130 | 105-3748 | 1 | Gasket-Thermostat |
| 140 | 98-7777 | 2 | Bolt |
| 150 | 99-8379 | 1 | Pipe-Water |
| 160 | 107-9091 | 1 | Pipe-Water |
| 170 | 98-9717 | 2 | Clamp |



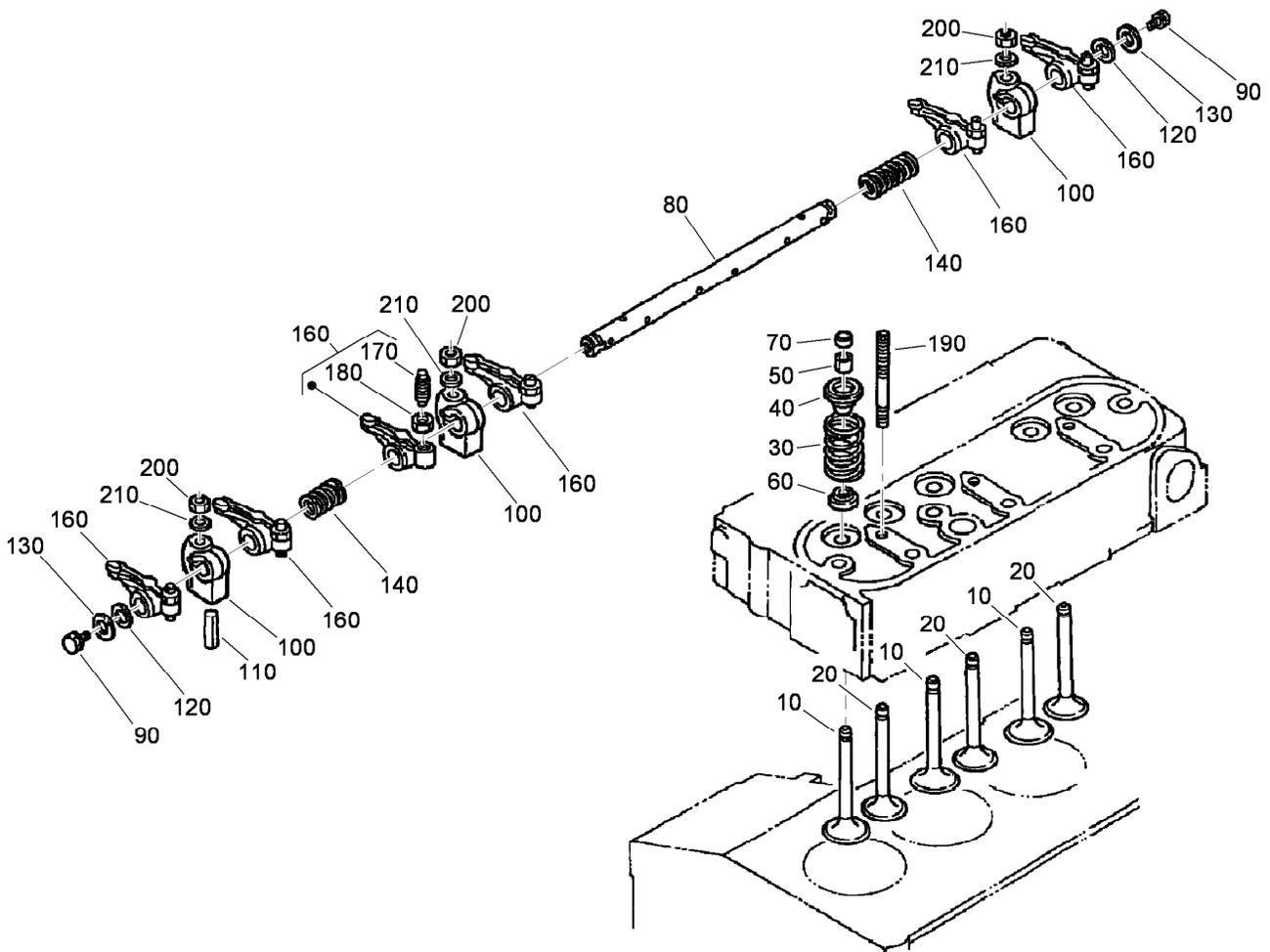
Water Pump Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|
| 10 | 107-9089 | 1 | Water Pump ASM |
| 20 | 99-3517 | 1 | Bearing-Pump, Water |
| 30 | 105-3750 | 1 | Mechanical Seal ASM |
| 40 | 112-7017 | 1 | Impeller-Pump, Water |
| 50 | 100-1932 | 1 | Pipe-Return, Water |
| 60 | 99-3454 | 1 | Gasket-Pump, Water |
| 70 | 98-9353 | 4 | Bolt |
| 80 | 107-9090 | 2 | Bolt |
| 90 | 99-3516 | 1 | Flange-Pump, Water |
| 100 | 99-3514 | 1 | Cover |
| 110 | 98-9636 | 1 | Gasket-Pump, Fuel |
| 120 | 98-7572 | 2 | Nut |
| 130 | 98-7699 | 2 | Washer-Spring |



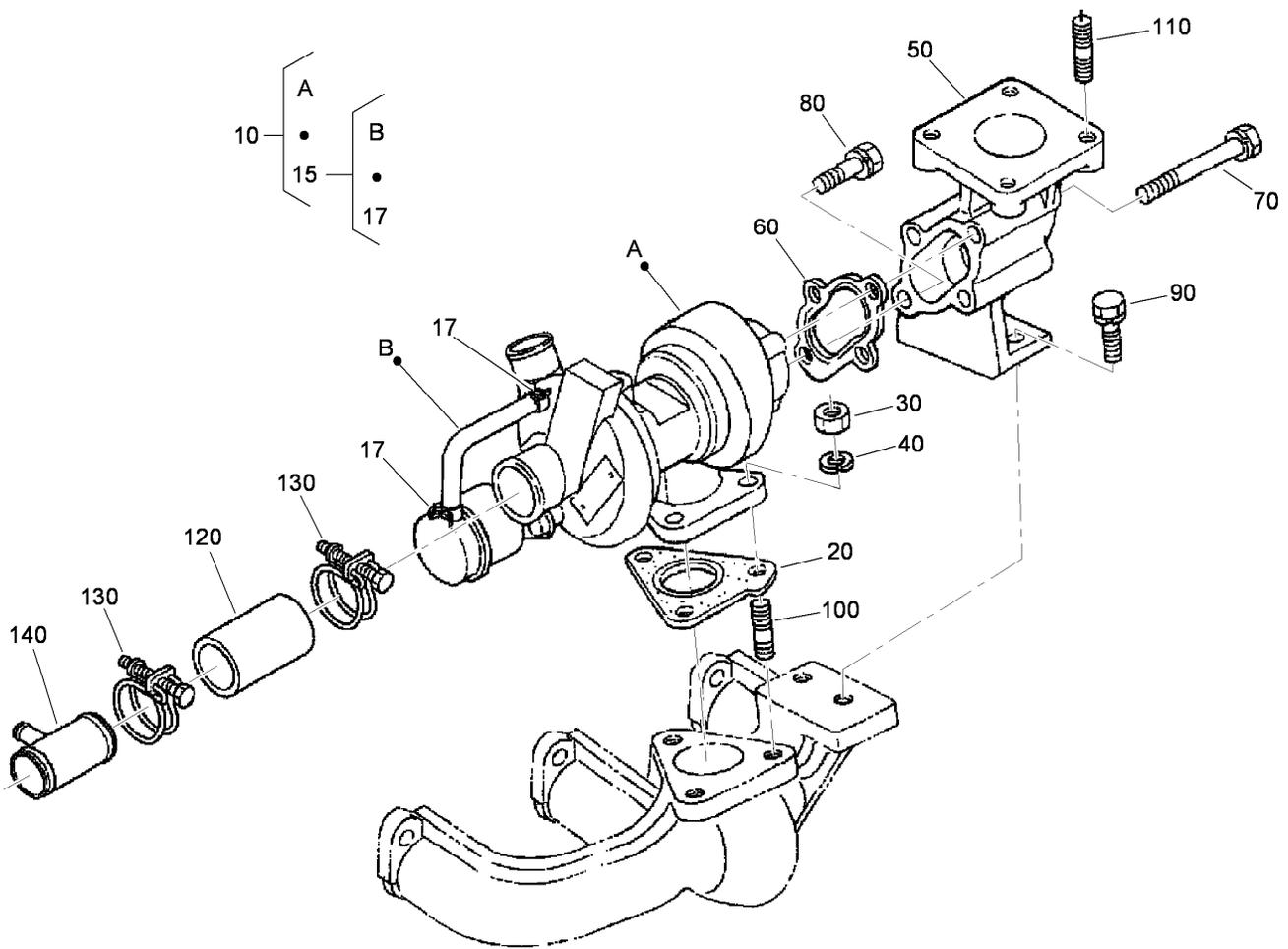
Inlet and Exhaust Manifold Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------------|
| 10 | 99-8321 | 1 | Manifold-Inlet |
| 20 | 99-8329 | 1 | Gasket-Manifold, Intake |
| 30 | 98-7568 | 3 | Bolt |
| 40 | 107-9073 | 1 | Bolt |
| 50 | 99-8320 | 2 | Bolt |
| 60 | 115-3047 | 1 | Hose-Inlet |
| 70 | 115-3048 | 1 | Clamp-Hose |
| 80 | 115-3049 | 1 | Clamp-Hose |
| 90 | 108-1411 | 1 | Manifold-Exhaust |
| 100 | 99-8327 | 1 | Gasket-Manifold, Exhaust |
| 110 | 98-9588 | 6 | Stud |
| 120 | 98-9665 | 6 | Nut |



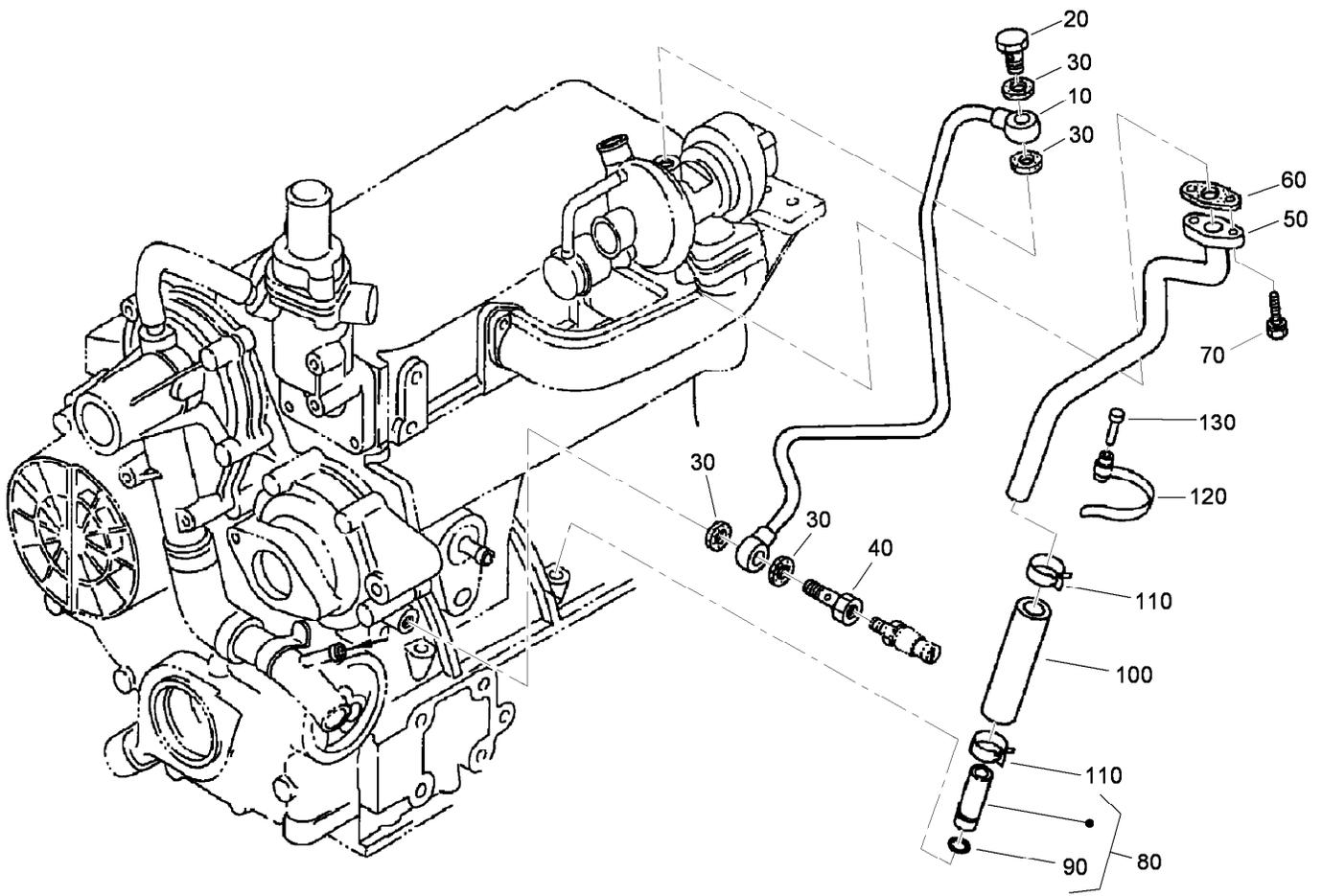
Valve and Rocker Arm Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------|
| 10 | 112-7018 | 3 | Valve-Inlet |
| 20 | 112-7019 | 3 | Valve-Exhaust |
| 30 | 98-9626 | 6 | Spring-Valve |
| 40 | 107-9092 | 6 | Retainer-Spring |
| 50 | 98-9390 | 6 | Collet-Spring, Valve |
| 60 | 99-8385 | 6 | Seal-Stem, Valve |
| 70 | 98-9497 | 6 | Cap-Valve |
| 80 | 105-3790 | 1 | R-Arm Shaft ASM |
| 90 | 100-9265 | 2 | Bolt |
| 100 | 98-9505 | 3 | Bracket-Arm, Rocker |
| 110 | 105-3758 | 1 | Pin-Spring |
| 120 | 98-9507 | 2 | Washer-Shaft, R-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 |



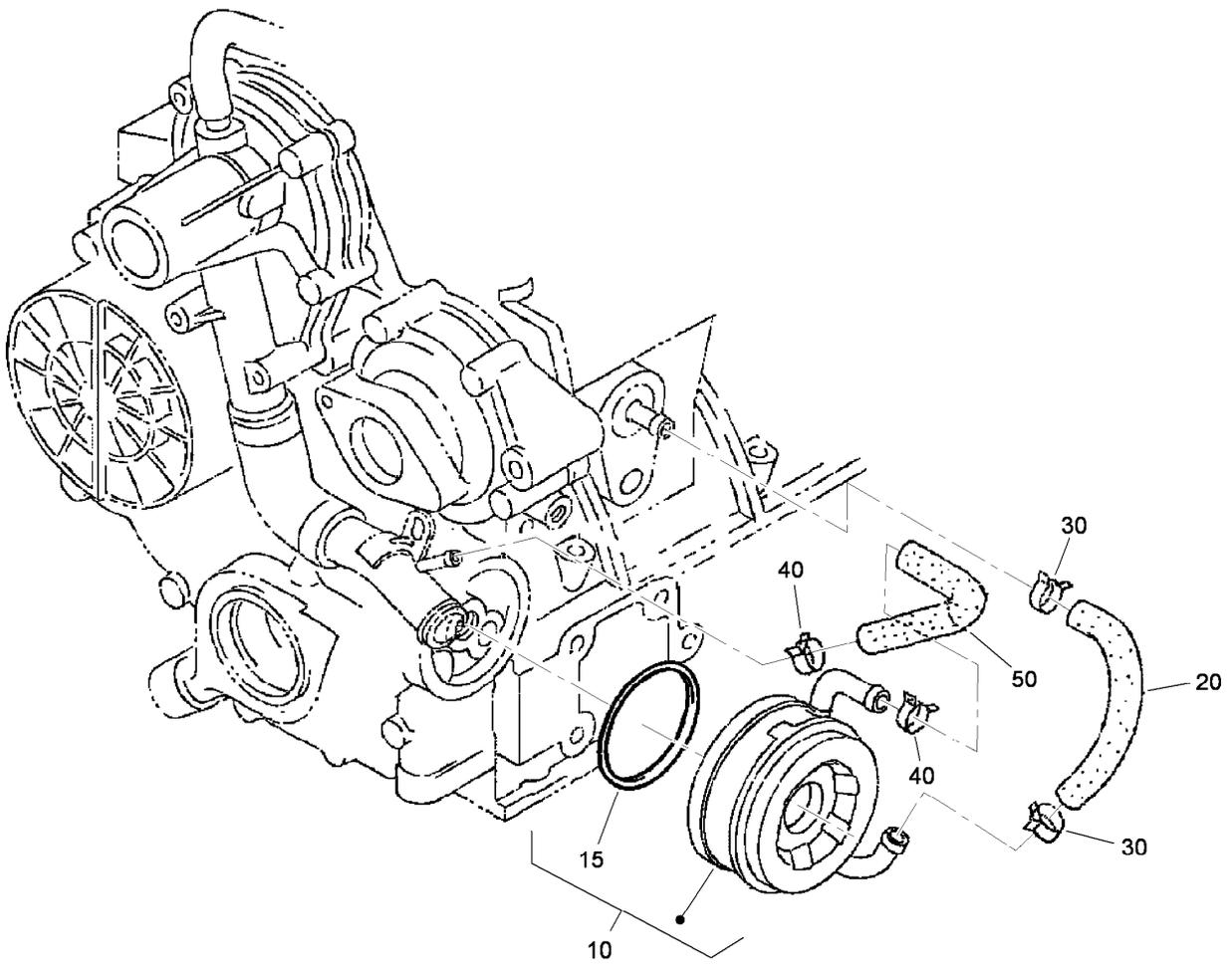
Turbo Charger Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|
| 10 | 108-1412 | 1 | Turbo Charger ASM |
| 15 | 108-1413 | 1 | Hose ASM |
| 17 | 108-1414 | 2 | Clamp-Hose |
| 20 | 105-3767 | 1 | Gasket |
| 30 | 98-7534 | 3 | Nut |
| 40 | 105-2893 | 3 | Washer-Spring |
| 50 | 99-8335 | 1 | Flange-Muffler |
| 60 | 105-3768 | 1 | Gasket |
| 70 | 115-4100 | 3 | Bolt |
| 80 | 105-2895 | 1 | Bolt |
| 90 | 98-7610 | 2 | Bolt |
| 100 | 99-8342 | 3 | Stud |
| 110 | 98-7769 | 4 | Stud |
| 120 | 115-4101 | 1 | Tube-Inlet, Turbo |
| 130 | 115-4102 | 2 | Band |
| 140 | 115-4103 | 1 | Pipe-Inlet, Breather |



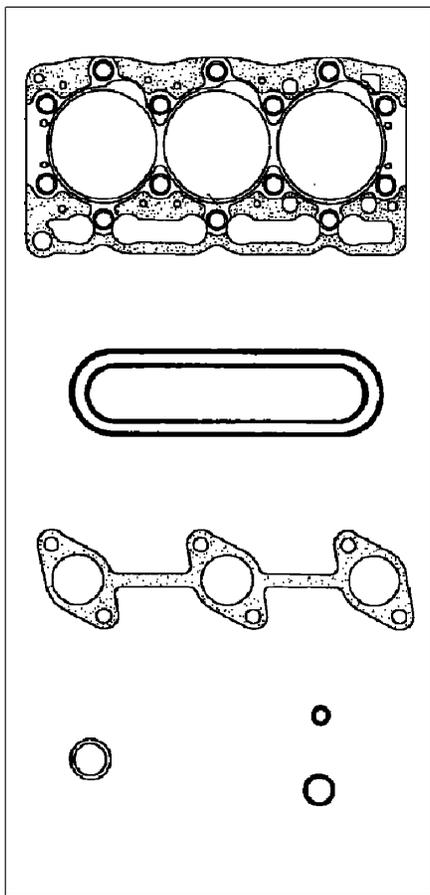
Turbo Charger Oil Pipe Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10 | 98-9419 | 1 | Oil Pipe ASM |
| 20 | 98-9418 | 1 | Bolt-Joint, Eye |
| 30 | 99-8346 | 4 | Gasket |
| 40 | 98-9417 | 1 | Bolt-Joint, Eye |
| 50 | 98-9461 | 1 | Pipe Line ASM |
| 60 | 108-4422 | 1 | Gasket |
| 70 | 98-7605 | 2 | Bolt |
| 80 | 99-8383 | 1 | Oil Pipe ASM |
| 90 | 98-9722 | 1 | O-Ring |
| 100 | 98-9721 | 1 | Pipe-Oil |
| 110 | 98-9714 | 2 | Clamp-Hose |
| 120 | 98-9601 | 1 | Clamp-Pipe |
| 130 | 98-9591 | 1 | Pin-Band |



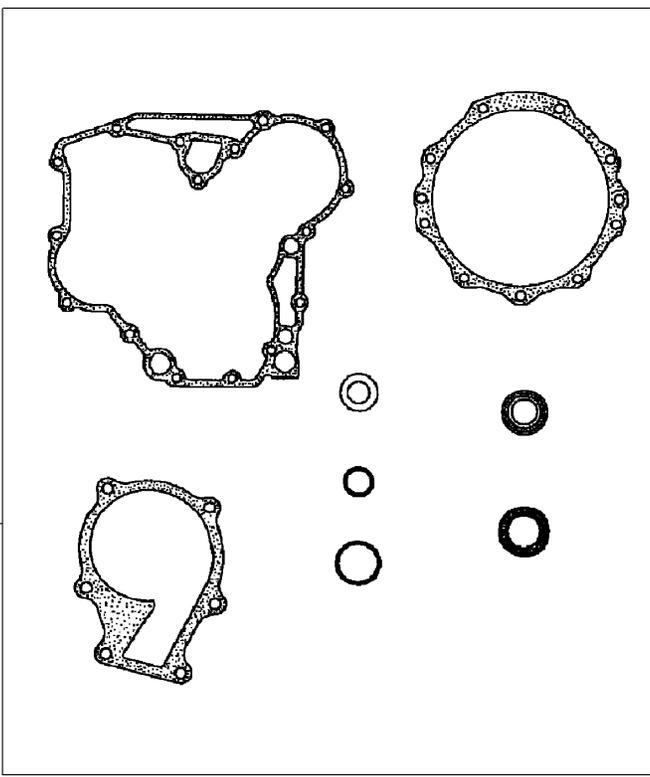
Oil Cooler Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10 | 104-5158 | 1 | Oil Cooler ASM |
| 15 | 112-7030 | 1 | O-Ring |
| 20 | 98-9724 | 1 | Pipe-Cooler, Oil |
| 30 | 98-9579 | 2 | Band-Pipe |
| 40 | 98-9579 | 2 | Band-Pipe |
| 50 | 98-9578 | 1 | Pipe-Return, Water |



10 }
20
}
170

190
}
330 } 180

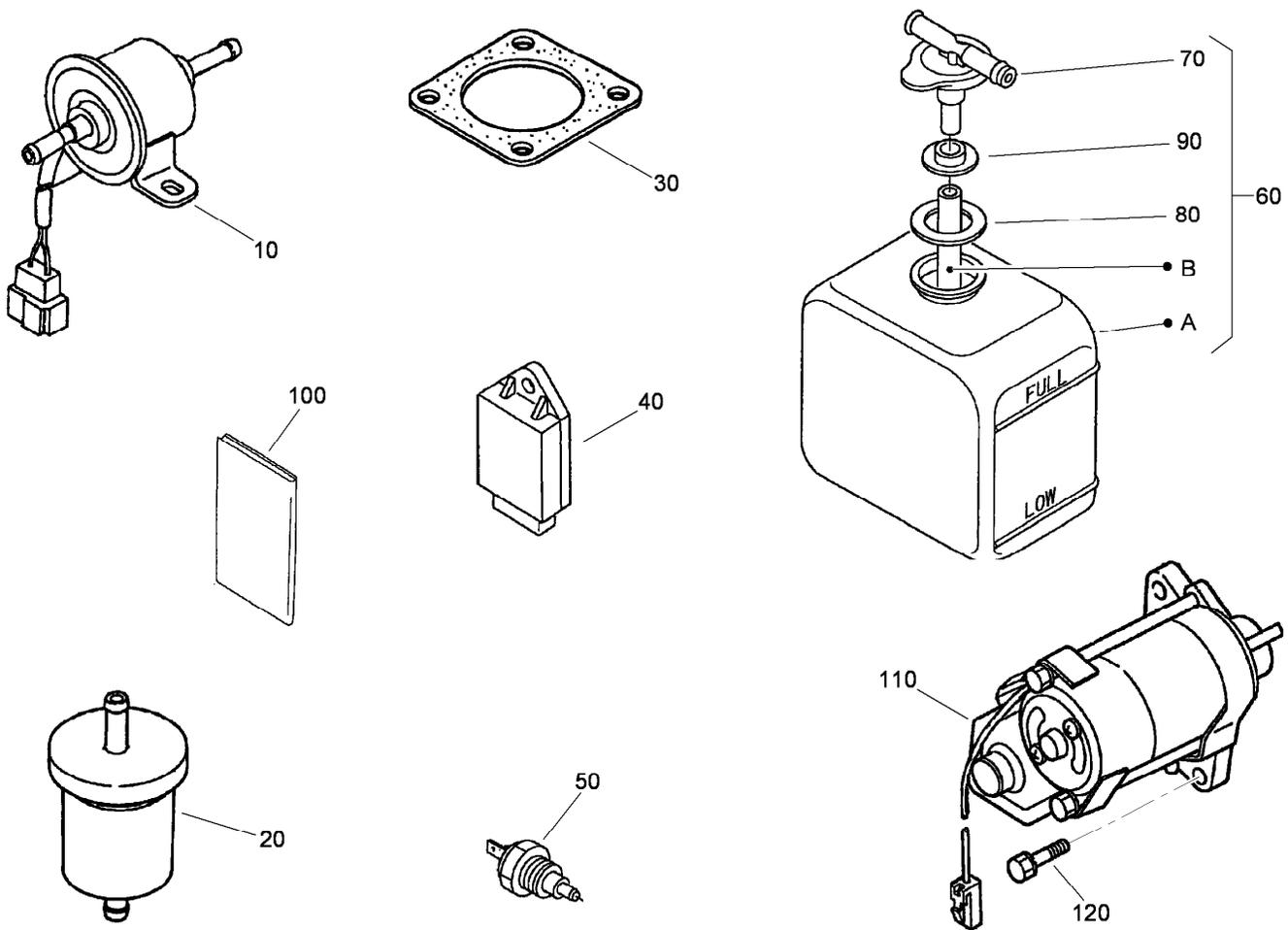


Gasket Kit

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|----------------------------|
| 10 | 108-1415 | 1 | Upper Gasket Kit |
| 20 | 108-6573 | 1 | Gasket-Head, Cylinder ● |
| 40 | 99-8329 | 1 | Gasket-Manifold, Intake ● |
| 50 | 105-3767 | 1 | Gasket ● |
| 60 | 105-3768 | 1 | Gasket ● |
| 70 | 99-8327 | 1 | Gasket-Manifold, Exhaust ● |
| 80 | 99-8385 | 6 | Seal-Stem, Valve ● |
| 90 | 98-9615 | 1 | Gasket-Cover, Head ● |
| 100 | 98-9454 | 3 | Gasket ● |
| 110 | 99-3446 | 1 | O-Ring ● |
| 120 | 99-8346 | 4 | Gasket ● |
| 130 | 108-4422 | 1 | Gasket ● |
| 140 | 98-9722 | 1 | O-Ring ● |
| 150 | 98-9638 | 1 | Gasket-Flange, Water ● |
| 160 | 105-3748 | 1 | Gasket-Thermostat ● |
| 170 | 99-8343 | 1 | Gasket-Muffler ● |
| 180 | 112-7041 | 1 | Lower Gasket Kit |

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|------------------------------|
| 190 | 98-9632 | 1 | Gasket-Pump, Water ● |
| 200 | 98-9633 | 1 | Gasket-Case, Gear ● |
| 210 | 105-3781 | 2 | O-Ring ● |
| 220 | 105-3777 | 2 | O-Ring ● |
| 230 | 98-9634 | 1 | Gasket-Case, Bearing ● |
| 240 | 98-9635 | 1 | Gasket-Cover, Bearing Case ● |
| 250 | 105-3783 | 1 | O-Ring ● |
| 260 | 105-3776 | 1 | O-Ring ● |
| 270 | 98-9729 | 1 | O-Ring ● |
| 280 | 98-9636 | 1 | Gasket-Pump, Fuel ● |
| 290 | 98-9682 | 1 | Gasket ● |
| 300 | 105-3788 | 1 | O-Ring ● |
| 310 | 98-7601 | 1 | Seal-Oil ● |
| 320 | 98-9637 | 1 | Gasket ● |
| 330 | 98-9683 | 1 | Gasket-Cover, Solenoid ● |

● Not illustrated



Electric Fuel Pump, Fuel Filter, Starter and Overflow Bottle Assemblies

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|---------------------|
| 10 | 107-0122 | 1 | Pump-Fuel, Electric |
| 20 | 98-7612 | 1 | Filter-Fuel |
| 30 | 99-8343 | 1 | Gasket-Muffler |
| 40 | 98-7611 | 1 | Controller-Glow |
| 50 | 98-9719 | 1 | Thermoswitch |
| 60 | 108-0638 | 1 | Bottle-Overflow |
| 70 | 105-3754 | 1 | Cap |
| 80 | 105-3755 | 1 | Gasket |
| 90 | 105-3756 | 1 | Plate |
| 100 | 115-4104 | 1 | Operator Manual |
| 110 | 98-9705 | 1 | Starter ASM |
| 120 | 98-7697 | 2 | Bolt |

Attachments and Accessories

For 30363TC Groundsmaster 7210 Traction Unit with 72in Side Discharge Mower

| Product Name | Model/Part |
|---|------------|
| Tooth Rake | 08751 |
| Finish Grader | 08754 |
| Drag Mat Carrier System | 08756 |
| Steel Drag Mat | 08757 |
| Coco Drag Mat | 08758 |
| Tire-Lug (24 X 12 - 12) | 103-6771 |
| Bahiagrass Baffle Kit | 105-7269 |
| Blade-Belt Kit, 72in Side Discharge Deck | 105-7272 |
| Striping Kit | 105-7273 |
| Yellow Hydraulic Cap | 107-1576 |
| Green Diesel Cap | 107-2172 |
| Premium Transmission/Hydraulic Tractor Fluid (55 Gallon Drum) | 108-1183 |
| Premium Transmission/Hydraulic Tractor Fluid (5 Gallon Pail) | 108-1184 |
| Leaf Mulching Kit | 108-5273 |
| Wheel and Tire ASM (Semi Pneumatic) | 110-6406 |
| Spark Arrestor Kit | 112-1688 |
| Slow Moving Vehicle Kit | 114-4050 |
| 5in Air Cleaner Safety Element | 114-4057 |
| Weight Mount Bracket Kit | 114-4090 |
| 42-pound Weight, For Kit 114-4090 | 114-4096 |
| 60-Amp Alternator Kit, Kubota 05 Series-Powered Traction Unit | 117-5540 |
| Overflow Tank Kit | 117-5570 |
| Fender Kit | 117-9170 |
| Roll-Over Protection Kit | 117-9179 |
| CE Kit | 117-9248 |
| CE Kit, Grass Collection System | 117-9249 |
| Brake Service Kit | 120-0015 |
| Premium Engine Oil 15w40 (55 Gallon Drum) | 121-6394 |
| Premium Engine Oil 15w40 (5 Gallon Pail) | 121-6395 |
| 400-hour Filter Maintenance Kit | 30052 |
| Recycler Kit, 72in Side Discharge Deck | 30347 |
| Hardtop Sunshade | 30359 |
| Polar Trac Kit | 30370 |
| Polar Trac Cab | 30371 |
| North American Road Light Kit | 30374 |
| Rear Quick Attach System | 30377 |
| V-Plow Mounting Kit | 30378 |
| Auxiliary Hydraulic Power Kit | 30380 |
| Auxiliary Power Unit | 30382 |
| CE Kit | 30392 |
| Debris Blower | 30393 |
| Grass Collection System | 30460 |
| 48in V-Plow | 30750 |



Count on it.