



Form No. 3426-704 Rev D

**Count on it.**

# Parts Catalog

## Groundsmaster® 3500-G Rotary Mower

Model No. 30809—Serial No. 402700001 and Up



# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

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

# Contents

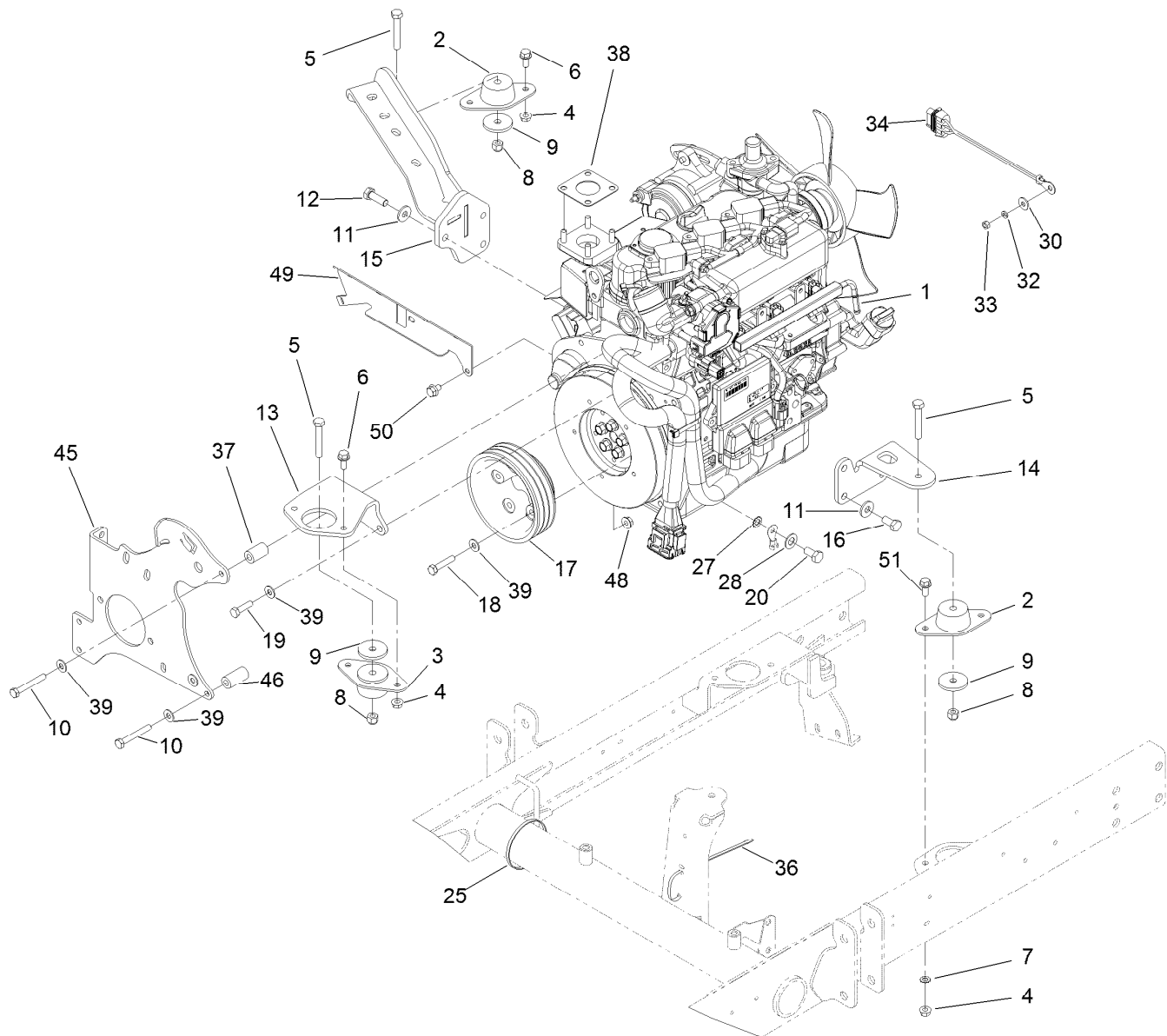
|                                                |    |
|------------------------------------------------|----|
| Frame and Roll-Over Protection System Assembly | 5  |
| Engine Installation Assembly                   | 6  |
| Air Cleaner and Exhaust Assembly               | 7  |
| Air Cleaner Assembly No. 93-2190               | 8  |
| Radiator and Oil Cooler Assembly               | 9  |
| Rear Lift Arm and Carrier Frame Assembly       | 10 |
| Hydraulic Cylinder Assembly No. 112-9916       | 11 |
| Sidewinder Carrier Assembly                    | 12 |
| Scissor Frame and Link Assembly                | 14 |
| Hydraulic Motor and Cutting Unit Assembly      | 15 |
| Gear Motor Assembly No. 117-5141               | 16 |
| Hydraulic Tank and Filter Assembly             | 17 |
| Battery Assembly                               | 18 |
| Fuel Tank Assembly                             | 19 |
| Seat Assembly                                  | 20 |
| Seat and Track Assembly No. 139-2679           | 21 |
| Seat Assembly No. 139-2700                     | 22 |
| Control Panel Assembly                         | 23 |
| Wire Harness Assembly No. 122-1524             | 24 |
| Parking Brake and Dash Cover Assembly          | 25 |
| 2-Spool Control Valve Assembly                 | 26 |
| 2-Spool Control Valve Assembly No. 95-8581     | 27 |
| Hydraulic Manifold Assembly No. 121-3570       | 28 |
| Steering Arm Assembly                          | 29 |
| Steering Valve Assembly No. 121-7856           | 30 |
| Floorplate Assembly                            | 31 |
| Traction Pedal Assembly                        | 32 |
| Hood Assembly                                  | 33 |
| Hood Assembly No. 121-3632                     | 34 |
| Wheel Motor and Brake Assembly                 | 35 |
| Hydraulic Motor Assembly No. 110-8786          | 36 |
| Hydraulic Motor Assembly No. 110-8785          | 37 |
| Brake Assembly No. 104-7705                    | 38 |
| Rear Fork and Wheel Assembly                   | 39 |
| Hydraulic Cylinder Assembly No. 121-3653       | 40 |
| Hydraulic Motor Assembly No. 95-8694           | 41 |
| Neutral Arm Assembly                           | 42 |
| Gear Pump and Piston Pump Assembly             | 43 |
| Hydraulic Pump Assembly No. 104-4890           | 44 |
| Hydraulic Gear Pump Assembly No. 108-9036      | 46 |
| Traction Hydraulic Assembly                    | 47 |
| Lift Hydraulic Assembly                        | 48 |
| Steering Hydraulic Assembly                    | 49 |
| Sidewinder Hydraulic Assembly                  | 50 |
| Mow Hydraulic Assembly                         | 51 |
| Roller and Carrier Frame Assembly              | 52 |
| Roller Assembly No. 112-5265                   | 53 |
| Height-of-Cut Bracket Assembly                 | 54 |
| Chamber, Blade and Spindle Assembly            | 55 |
| Spindle Assembly No. 138-6932                  | 56 |
| Crankcase Assembly                             | 57 |
| Oil Pan Assembly                               | 58 |
| Cylinder Head Assembly                         | 59 |
| Gear Case and Oil Filter Cartridge Assembly    | 60 |

## Contents (continued)

|                                                          |    |
|----------------------------------------------------------|----|
| Cylinder Head Cover Assembly . . . . .                   | 61 |
| Oil Pump, Dipstick and Guide Assembly . . . . .          | 62 |
| Main Bearing Case Assembly . . . . .                     | 63 |
| Cam Shaft and Idle Gear Shaft Assembly . . . . .         | 64 |
| Piston and Crankshaft Assembly . . . . .                 | 65 |
| Flywheel and Sensor Switch Assembly . . . . .            | 66 |
| Injection and Fuel Pump Covers Assembly . . . . .        | 67 |
| Alternator and Pulley Assembly . . . . .                 | 68 |
| Alternator Components Assembly . . . . .                 | 69 |
| Starter Installation Assembly . . . . .                  | 70 |
| Starter Components Assembly . . . . .                    | 71 |
| Water Flange and Thermostat Assembly . . . . .           | 72 |
| Water Pump and Cooler Fan Assembly . . . . .             | 73 |
| Valve and Rocker Arm Assembly . . . . .                  | 74 |
| Inlet Manifold Assembly . . . . .                        | 75 |
| Exhaust Manifold Assembly . . . . .                      | 76 |
| Wire Harness Assembly . . . . .                          | 77 |
| Electronic Control Unit Assembly . . . . .               | 78 |
| Operator Manual and Miscellaneous Engine Parts . . . . . | 79 |
| Upper Engine Gasket Kit . . . . .                        | 80 |
| Lower Engine Gasket Kit . . . . .                        | 81 |
| Attachments and Accessories . . . . .                    | 82 |



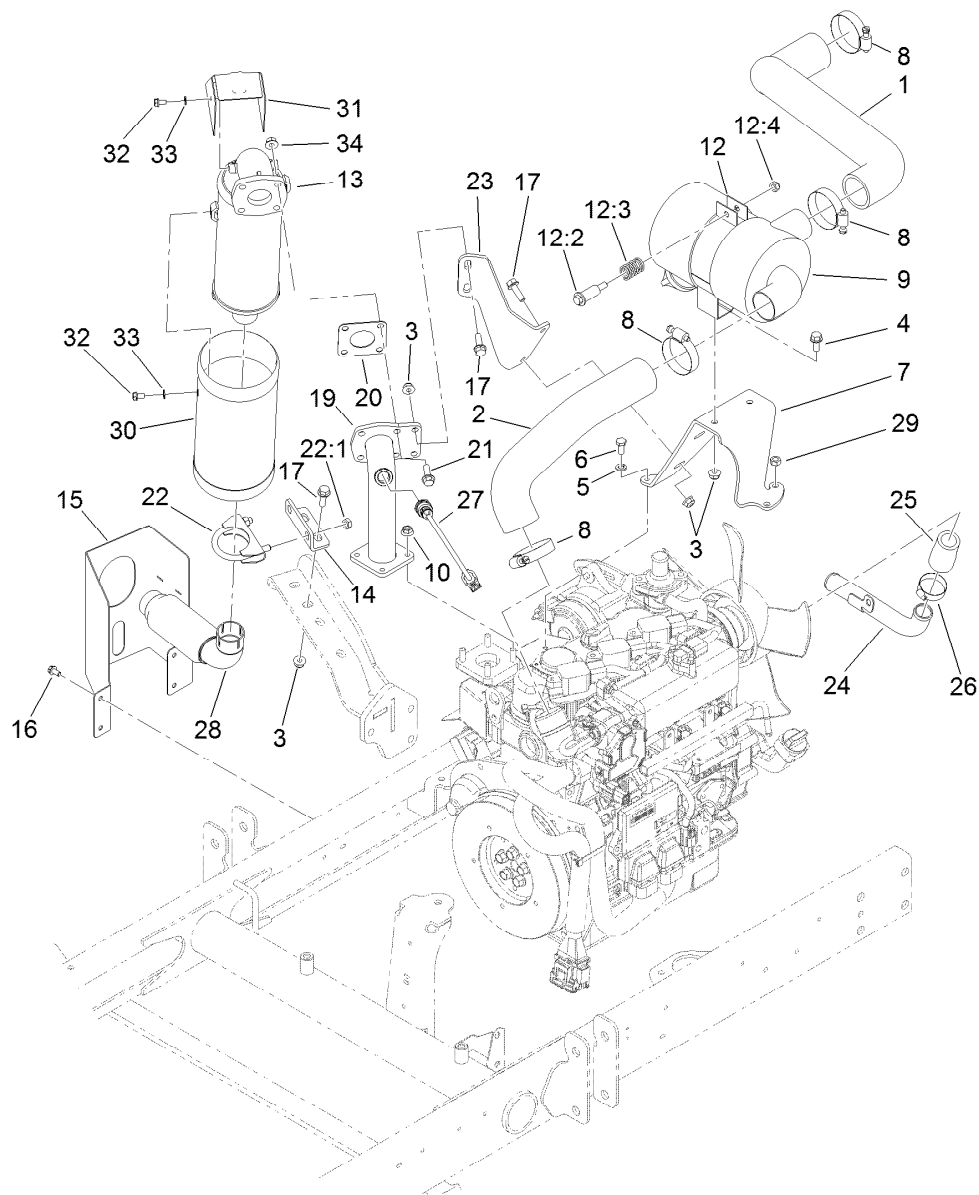
| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>        |
|-------------|--------------------|-------------|---------------------------|
| 13          | 127-8493           | 1           | ROPS ASM                  |
| 13:2        | 127-8596           | 1           | Decal-ROPS                |
| 14          | 117-3176           | 4           | Screw-HHF                 |
| 16          | 115-3417-03        | 1           | Bracket-Bulkhead, Scissor |
| 17          | 104-7050           | 1           | Tube-Manual               |
| 18          | 2412-133           | 2           | Clamp-R                   |
| 19          | 32144-70           | 2           | Screw-HWHTF               |
| 20          | 3256-23            | 2           | Washer-Plain              |
| 23          | 104-4634-03        | 1           | Toolbox                   |
| 24          | 104-4633-03        | 1           | Cover-Toolbox             |
| 26          | 121-3623           | 1           | Decal-Danger              |
| 27          | 104-7048           | 1           | Cap-Housing               |
| 36          | 117-2378           | 1           | Holder-Bag                |
| 37          | 32144-1            | 2           | Screw-Taptite             |



## Engine Installation Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 120-3397    | 1    | Engine-Kubota       |
| 2    | 121-9076    | 2    | Mount-Engine        |
| 3    | 93-5265     | 1    | Mount-Engine        |
| 4    | 32128-20    | 6    | Nut-HF              |
| 5    | 323-11      | 3    | Screw-HH            |
| 6    | 3234-5      | 5    | Screw-HHF           |
| 7    | 3255-8      | 1    | Washer-Lock         |
| 8    | 3296-39     | 3    | Nut-Lock, NI        |
| 9    | 80-8560     | 3    | Washer-Hardened     |
| 10   | 33114-060   | 3    | Screw-HH            |
| 11   | 80-6990     | 6    | Washer-Hardened     |
| 12   | 95-8812     | 3    | Screw-HH            |
| 13   | 120-3384-03 | 1    | Mount-Engine, Front |
| 14   | 120-3383-03 | 1    | Mount-Engine, LH    |
| 15   | 120-3379-03 | 1    | Mount-Engine, RH    |
| 16   | 43-0090     | 3    | Screw-HH            |
| 17   | 120-3359-03 | 1    | Pulley-Machined     |
| 18   | 33114-040   | 5    | Screw-HH            |
| 19   | 33114-025   | 1    | Screw-HH            |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 20   | 63-7790     | 1    | Screw-Cap                  |
| 25   | 3290-379    | 2    | Tie-Cable                  |
| 27   | 3255-9      | 1    | Washer-Lock                |
| 28   | 3256-25     | 1    | Washer-Flat                |
| 30   | 3256-78     | 1    | Washer-Flat                |
| 32   | 43-5930     | 1    | Washer-Lock, Spring        |
| 33   | 48-7890     | 1    | Nut-Hex                    |
| 34   | 99-3441     | 1    | Harness-Wire, Fusible Link |
| 36   | 3290-378    | 14   | Tie-Cable                  |
| 37   | 120-3386    | 1    | Spacer                     |
| 38   | 125-9108    | 1    | Gasket-Muffler             |
| 39   | 87-8640     | 9    | Washer-Flat                |
| 45   | 120-3367-03 | 1    | Plate-Mount, Pump          |
| 46   | 120-3387    | 2    | Spacer                     |
| 48   | 98-0668     | 2    | Nut                        |
| 49   | 121-3529-03 | 1    | Bracket-Wire Harness       |
| 50   | 68-9410     | 2    | Screw-HHF                  |
| 51   | 3234-17     | 1    | Screw-HHF                  |



## Air Cleaner and Exhaust Assembly

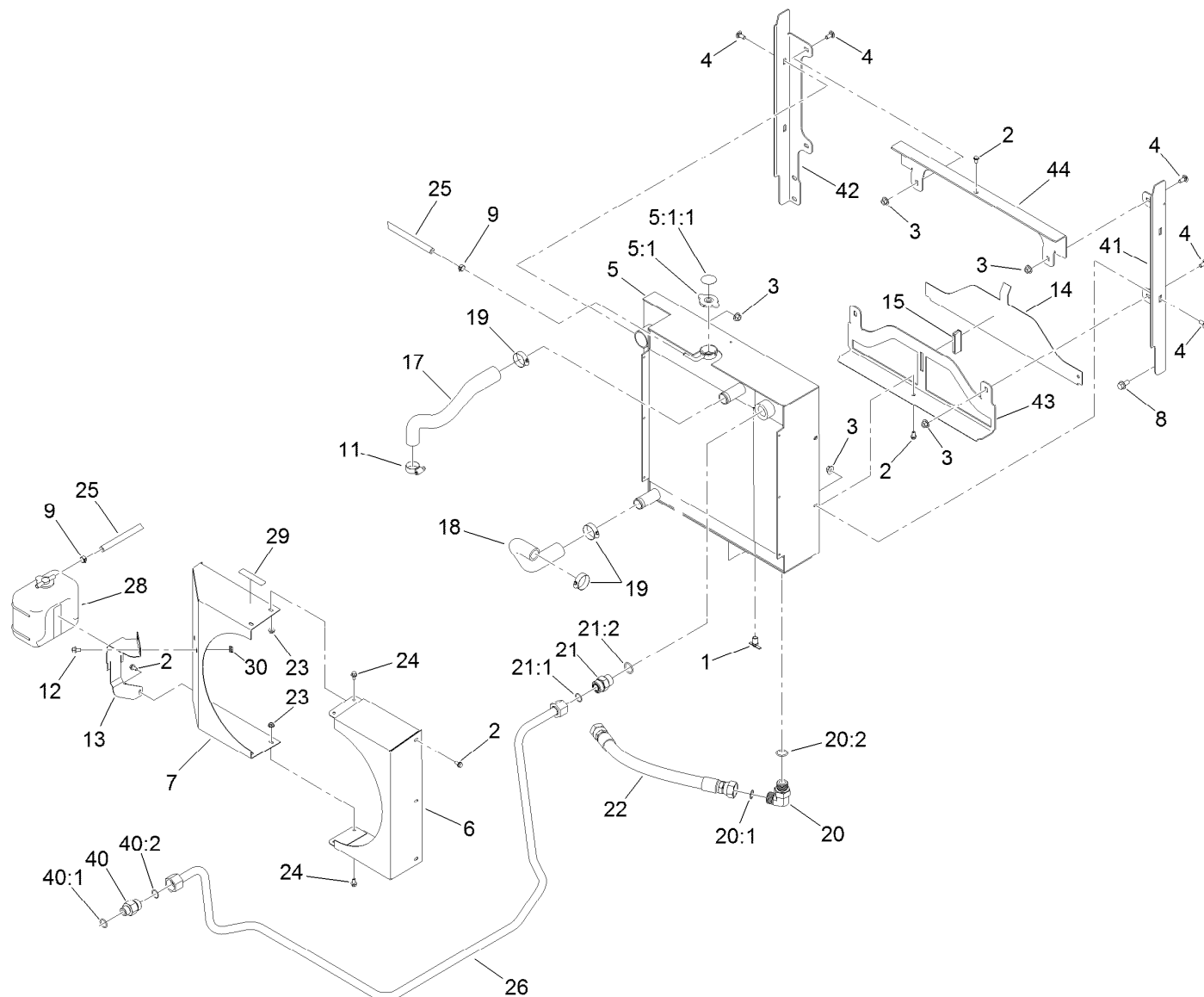
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 120-3501    | 1    | Hose-Air Intake, Upper        |
| 2    | 120-3390    | 1    | Hose-Intake, Lower            |
| 3    | 104-8300    | 8    | Nut-HF, NI                    |
| 4    | 3234-5      | 2    | Screw-HHF                     |
| 5    | 3253-4      | 1    | Washer-Lock                   |
| 6    | 121-4604    | 1    | Screw-HH                      |
| 7    | 120-3525-03 | 1    | Bracket-Mount, Air Cleaner    |
| 8    | 2412-92     | 4    | Clamp-Hose                    |
| 9    | 93-2190     | 1    | Air Cleaner ASM               |
| 10   | 125-9095    | 4    | Nut                           |
| 12   | 93-2191     | 1    | Air Cleaner Mounting Band ASM |
| 12:2 | 94-3653     | 1    | Bolt                          |
| 12:3 | 94-3654     | 1    | Spring                        |
| 12:4 | 48-9510     | 1    | Nut                           |
| 13   | 120-3547    | 1    | Muffler                       |
| 14   | 120-3385-03 | 1    | Bracket-Muffler               |
| 15   | 125-4635-03 | 1    | Guard-Exhaust                 |
| 16   | 32144-4     | 4    | Screw-HWH                     |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 17   | 3234-17     | 6    | Screw-HHF             |
| 19   | 120-3365    | 1    | Tube-Muffler Mount    |
| 20   | 125-9108    | 1    | Gasket-Muffler        |
| 21   | 93-7773     | 4    | Screw-HHF             |
| 22   | 2112-6      | 1    | Clamp-Muffler         |
| 22:1 | 3218-2      | 2    | Nut-Hex Jam           |
| 23   | 121-3527-03 | 1    | Bracket-Muffler       |
| 24   | 120-3504    | 1    | Tube-Inlet, Water     |
| 25   | 120-3537    | 1    | Hose-Radiator, Union  |
| 26   | 2412-34     | 2    | Clamp-Hose            |
| 27   | 121-3511    | 1    | Sensor-O2 F/W         |
| 28   | 120-3369    | 1    | Tube-Exhaust          |
| 29   | 33014-00    | 2    | Nut-Hex               |
| 30   | 121-3545    | 1    | Cover-Muffler         |
| 31   | 121-3546    | 1    | Cover-Flange, Muffler |
| 32   | 98-9350     | 6    | Bolt                  |
| 33   | 100-1781    | 6    | Washer-Plain          |
| 34   | 68-9400     | 4    | Nut-Flange            |



## Air Cleaner Assembly No. 93-2190

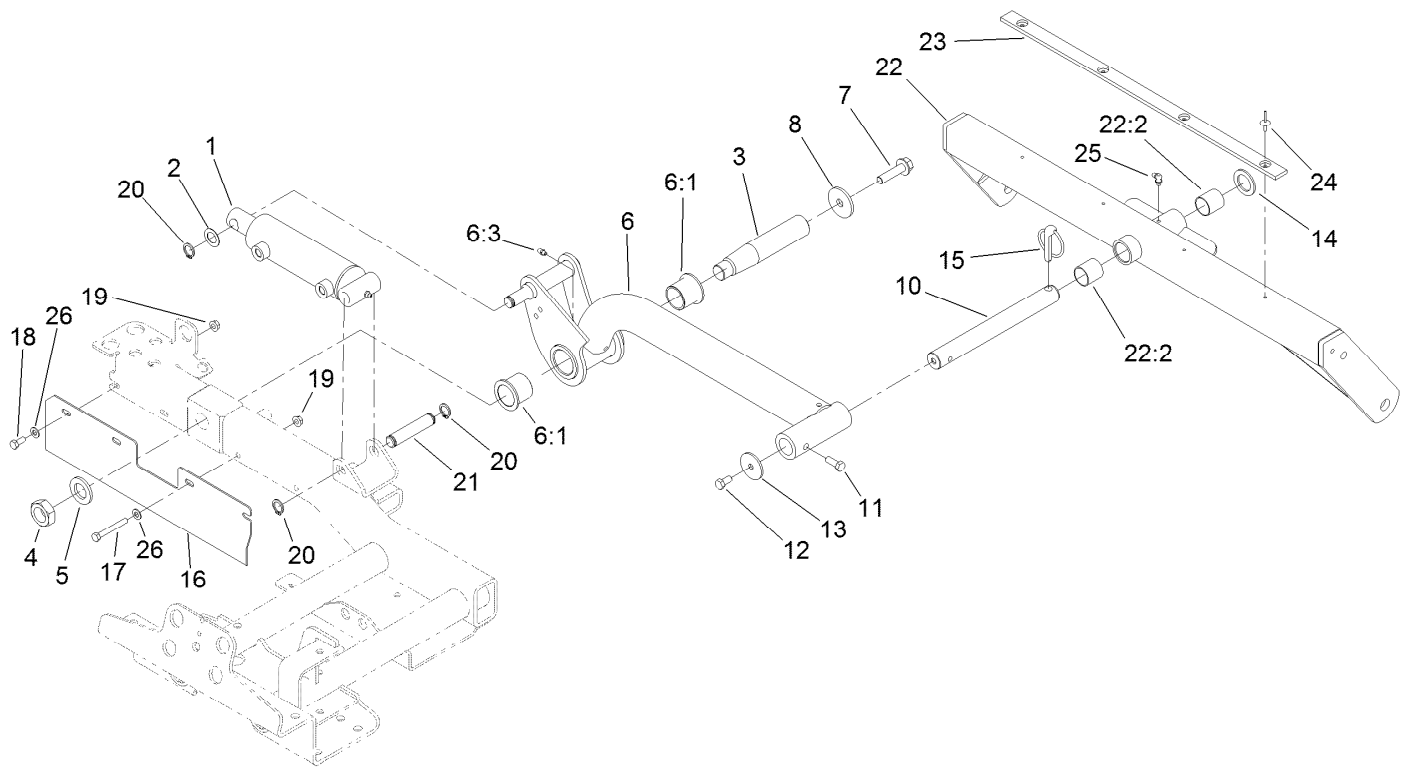
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 2           | 108-3811           | 1           | Filter-Air         |
| 3           | 94-3652            | 1           | Cover ASM          |
| 3:1       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



## Radiator and Oil Cooler Assembly

| Ref.  | Part Number | Qty. | Description                 |
|-------|-------------|------|-----------------------------|
| 1     | 304-46      | 1    | Draincock                   |
| 2     | 32104-116   | 8    | Screw-HWHTF                 |
| 3     | 32128-44    | 8    | Nut                         |
| 4     | 3230-1      | 8    | Bolt-CARR                   |
| 5     | 119-2028    | 1    | Radiator And Oil Cooler ASM |
| 5:1   | 115-7766    | 1    | Cap-Radiator                |
| 5:1:1 | 106-6755    | 1    | Decal-Cap, Radiator         |
| 6     | 120-3517-03 | 1    | Shroud-Fan, LH              |
| 7     | 120-3516-03 | 1    | Shroud-Fan, RH              |
| 8     | 3234-1      | 4    | Screw-HHF                   |
| 9     | 92-2379     | 2    | Clamp-Hose                  |
| 11    | 2412-129    | 1    | Clamp-Hose                  |
| 12    | 3234-30     | 2    | Screw-HHF                   |
| 13    | 120-3548-03 | 1    | Bracket-Mount, Overflow     |
| 14    | 95-8702-03  | 1    | Shield-Radiator, Lower      |
| 15    | 99-3497     | 1    | Magnet                      |
| 17    | 120-3506    | 1    | Hose-Radiator, Upper        |
| 18    | 120-3399    | 1    | Hose-Radiator, Lower        |
| 19    | 2412-34     | 3    | Clamp-Hose                  |
| 20    | 340-142     | 1    | Fitting-Elbow, 90 DEG       |

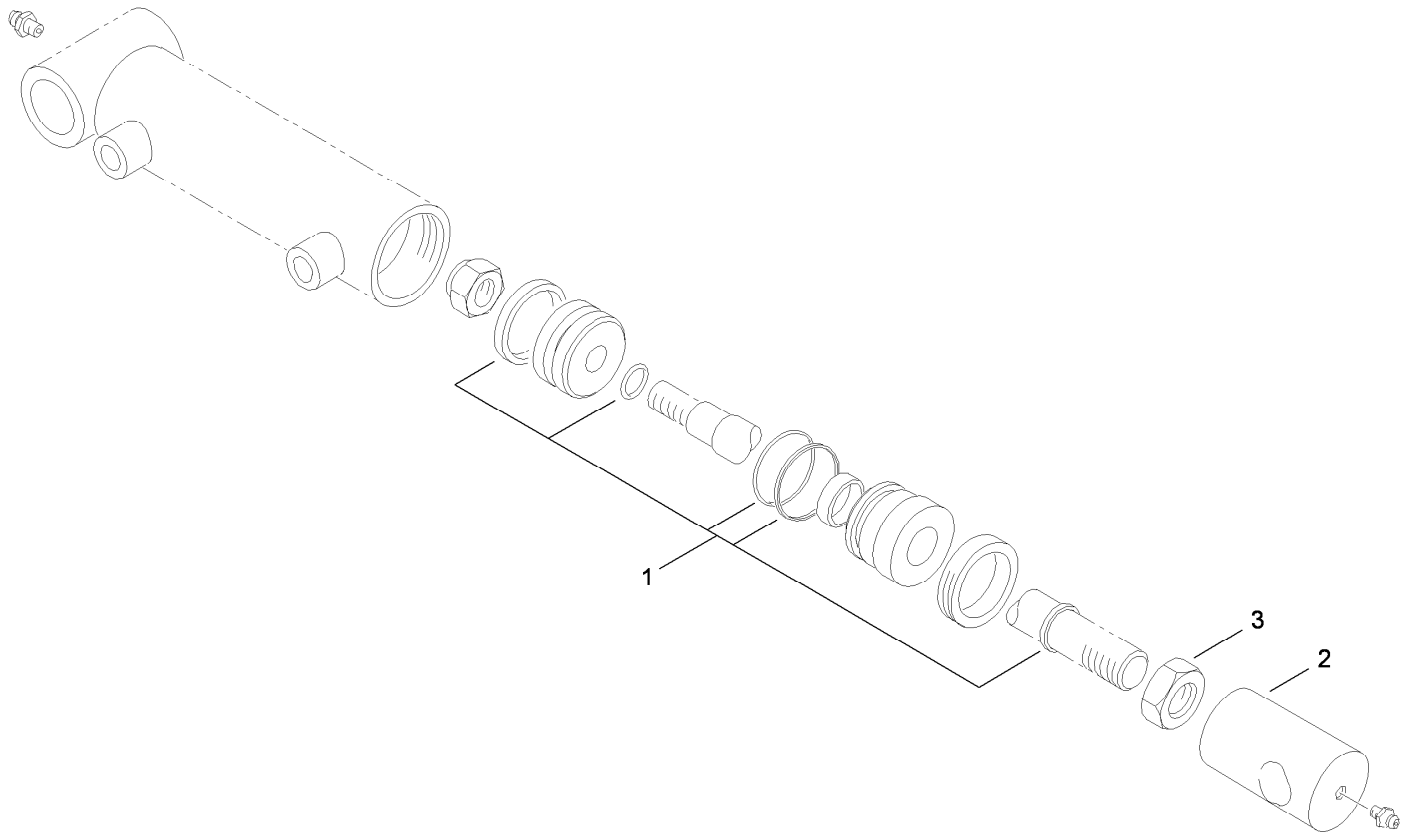
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 20:1 | 237-58      | 1    | O-Ring                   |
| 20:2 | 237-81      | 1    | O-Ring                   |
| 21   | 340-9       | 1    | Fitting-STR              |
| 21:1 | 237-58      | 1    | O-Ring                   |
| 21:2 | 237-81      | 1    | O-Ring                   |
| 22   | 92-7536     | 1    | Hose-HYD                 |
| 23   | 32128-33    | 4    | Nut-HF                   |
| 24   | 3234-13     | 4    | Screw-HHF                |
| 25   | 109-0274    | 1    | Hose-Fuel                |
| 26   | 121-3609    | 1    | Tube-HYD                 |
| 28   | 104-9318    | 1    | Bottle-Overflow          |
| 29   | 93-6681     | 1    | Decal-Warning, Fan       |
| 30   | 32128-20    | 2    | Nut-HF                   |
| 40   | 340-66      | 1    | Fitting-Straight         |
| 40:1 | 237-80      | 1    | O-Ring                   |
| 40:2 | 237-58      | 1    | O-Ring                   |
| 41   | 120-3531-03 | 1    | Bracket-Radiator, LH     |
| 42   | 120-3532-03 | 1    | Bracket-Radiator, RH     |
| 43   | 120-3530-03 | 1    | Bracket-Radiator, Bottom |
| 44   | 120-3529-03 | 1    | Bracket-Radiator, Top    |



## Rear Lift Arm and Carrier Frame Assembly

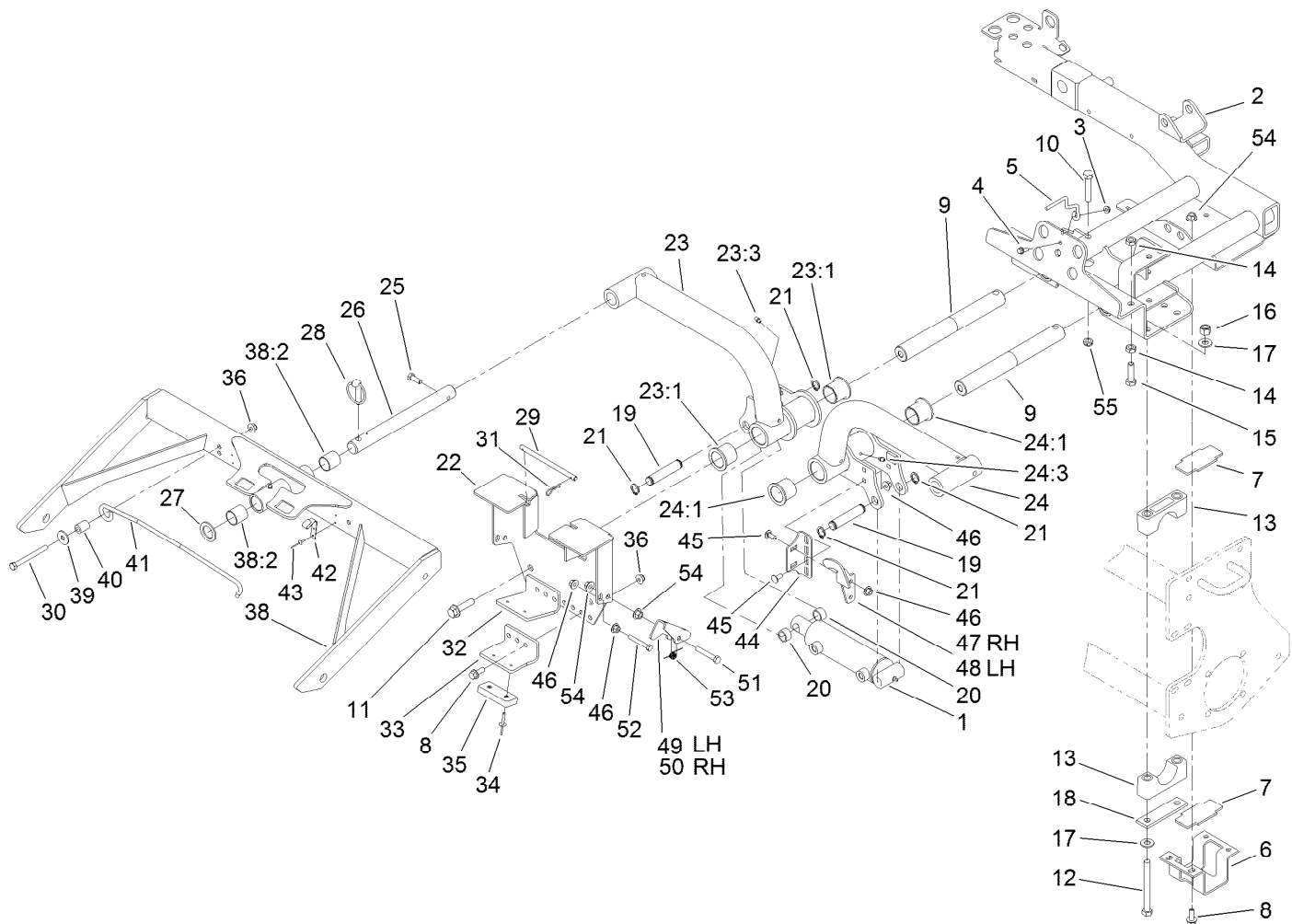
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 112-9916    | 1    | HYD Cylinder ASM          |
| 2    | 3-6498      | 1    | Washer-Thrust             |
| 3    | 95-8990     | 1    | Shaft-Pivot, Rear         |
| 4    | 3220-9      | 1    | Nut-Jam                   |
| 5    | 86-1480     | 1    | Washer                    |
| 6    | 115-3473    | 1    | Rear Liftarm ASM          |
| 6:1  | 69-6470     | 2    | Bushing-Caster            |
| 6:3  | 302-5       | 1    | Fitting-Grease            |
| 7    | 3234-27     | 1    | Screw-HHF                 |
| 8    | 75-7730     | 1    | Washer-Thrust             |
| 10   | 100-4944    | 1    | Shaft-Pivot, Cutting Unit |
| 11   | 323-6       | 1    | Screw-HH                  |
| 12   | 323-4       | 1    | Screw-HH                  |
| 13   | 63-7400     | 1    | Washer-Rebound            |

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 14   | 3-6781      | 1    | Washer-Thrust          |
| 15   | 283-71      | 1    | Pin-Lynch              |
| 16   | 121-3616-03 | 1    | Guard                  |
| 17   | 322-12      | 2    | Screw-HH               |
| 18   | 322-3       | 2    | Screw-HH               |
| 19   | 32128-20    | 4    | Nut-HF                 |
| 20   | 32120-93    | 3    | Ring-Retaining         |
| 21   | 95-8575     | 1    | Pin-Clevis             |
| 22   | 104-4229    | 1    | Rear Carrier Frame ASM |
| 22:2 | 108-4000    | 2    | Bushing                |
| 23   | 95-8936     | 1    | Strip-Wear             |
| 24   | 3269-18     | 4    | Rivet-Blind            |
| 25   | 302-60      | 1    | Fitting-Grease         |
| 26   | 3256-23     | 4    | Washer-Plain           |



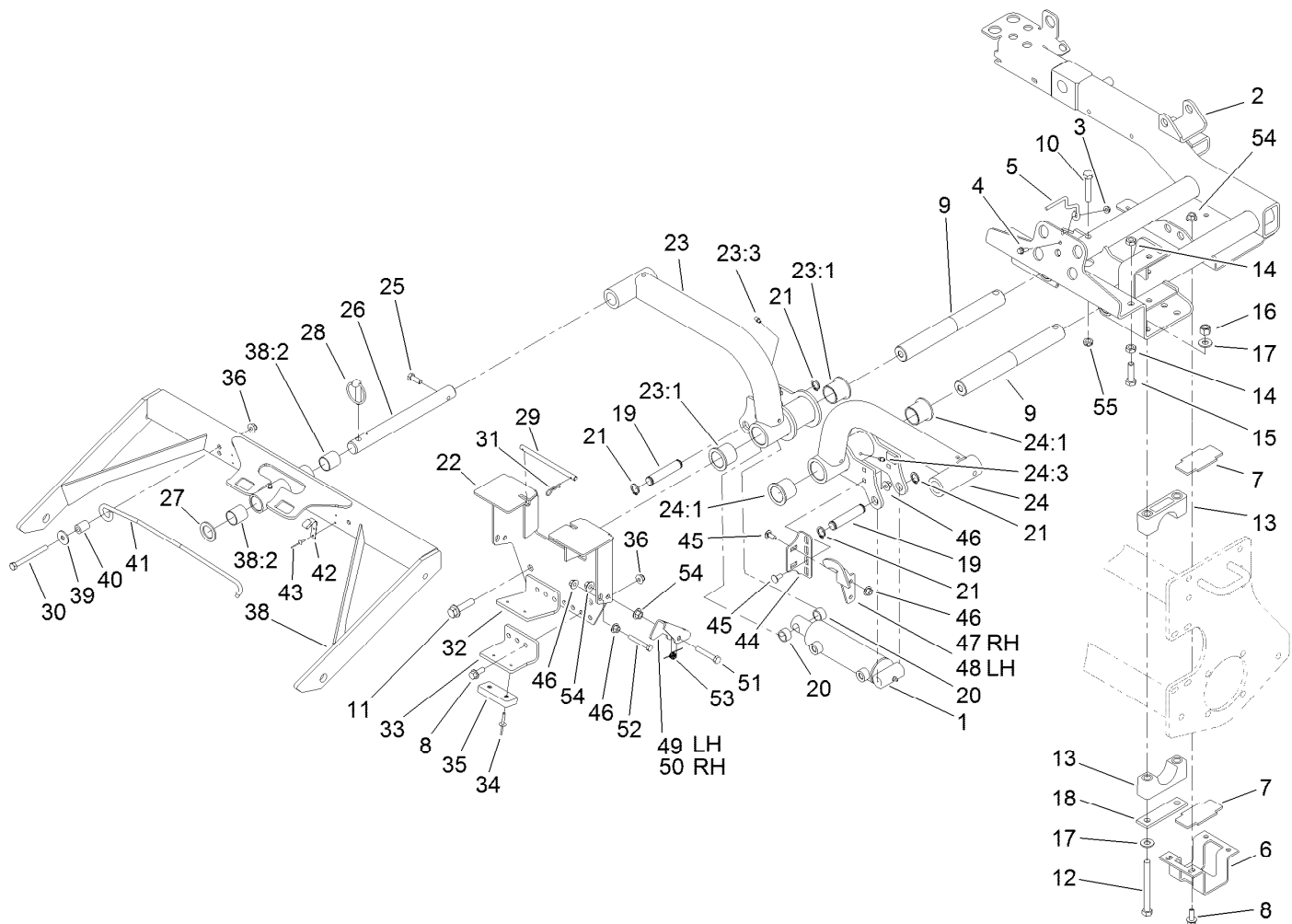
## Hydraulic Cylinder Assembly No. 112-9916

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 115-3410           | 1           | Seal Kit           |
| 2           | 108-9035           | 1           | Clevis             |
| 3           | 3220-7             | 1           | Nut-Jam            |



## Sidewinder Carrier Assembly

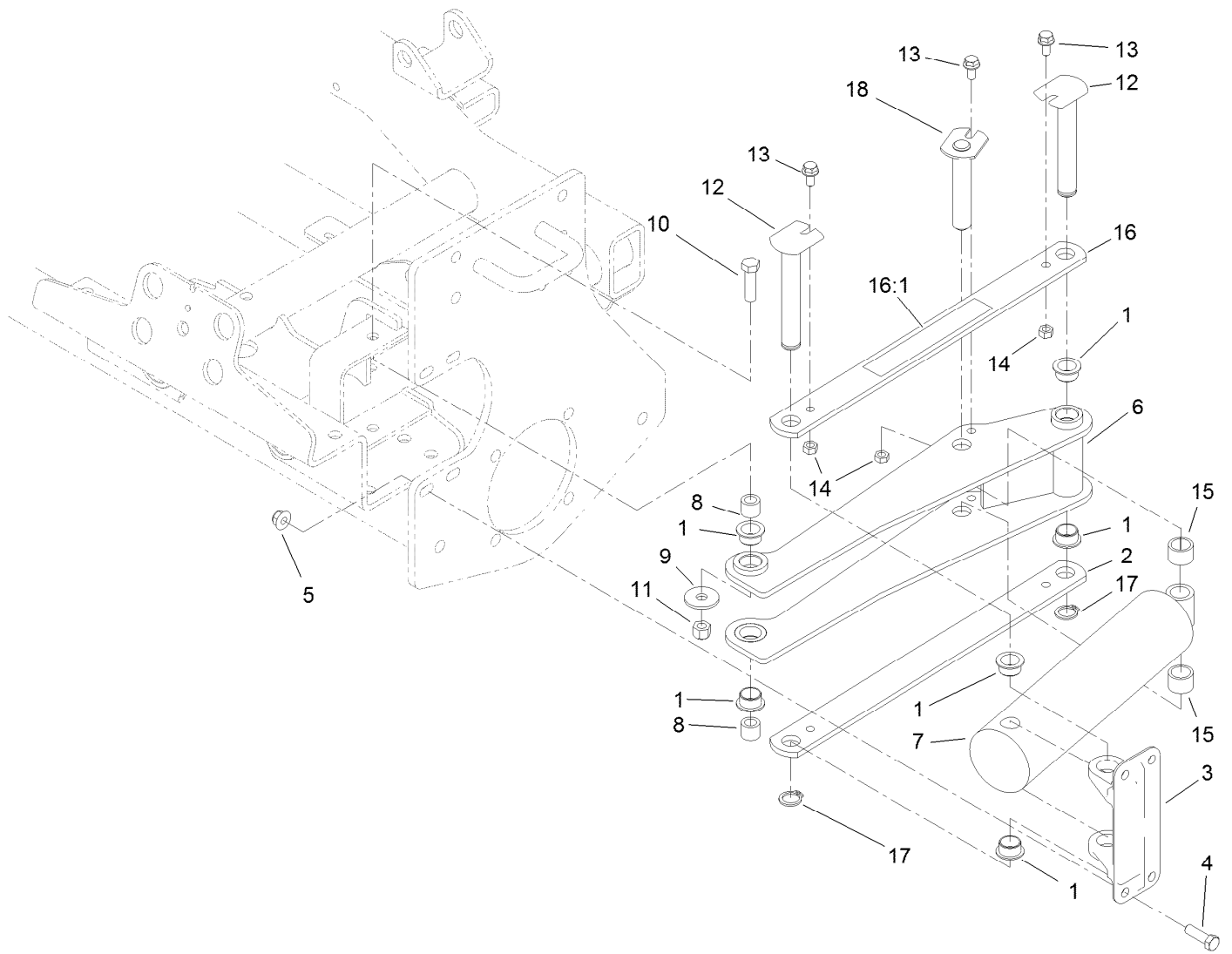
| Ref. | Part Number | Qty. | Description          | Ref. | Part Number | Qty. | Description             |
|------|-------------|------|----------------------|------|-------------|------|-------------------------|
| 1    | 112-9916    | 1    | HYD Cylinder ASM     | 22   | 104-4820-03 | 1    | Bracket-Stop, Carrier   |
| 2    | 100-4939-03 | 1    | Carrier-Sidewinder   | 23   | 115-3462    | 1    | RH Liftarm ASM          |
| 3    | 32128-33    | 1    | Nut-HF               | 23:1 | 69-6470     | 2    | Bushing-Caster          |
| 4    | 3234-4      | 1    | Screw-HHF            | 23:3 | 302-5       | 1    | Fitting-Grease          |
| 5    | 99-3433     | 1    | Wire-Center          | 24   | 115-3461    | 1    | LH Liftarm ASM          |
| 6    | 104-0416-03 | 1    | Bracket-Slide        | 24:1 | 69-6470     | 2    | Bushing-Caster          |
| 7    | 104-0417    | 2    | Slide-Plastic        | 24:3 | 302-5       | 1    | Fitting-Grease          |
| 8    | 3234-11     | 8    | Screw-HHF            | 25   | 323-6       | 2    | Screw-HH                |
| 9    | 95-8531     | 2    | Shaft-Pivot, Liftarm | 26   | 105-7560    | 2    | Shaft-Cu Pivot          |
| 10   | 325-10      | 2    | Screw-HH             | 27   | 3-6781      | 2    | Washer-Thrust           |
| 11   | 3234-27     | 2    | Screw-HHF            | 28   | 283-71      | 2    | Pin-Lynch               |
| 12   | 325-19      | 8    | Screw-HH             | 29   | 104-0472    | 1    | Rod                     |
| 13   | 104-4865    | 8    | Cap-Bearing          | 30   | 323-42      | 2    | Screw-HH                |
| 14   | 3218-5      | 4    | Nut-Jam              | 31   | 3290-467    | 2    | Pin-Hair                |
| 15   | 325-7       | 2    | Screw-HH             | 32   | 110-8793-03 | 1    | Stop-Deck, RH           |
| 16   | 3296-23     | 8    | Nut-Lock, NI         | 33   | 110-8794-03 | 1    | Stop-Deck, LH           |
| 17   | 87-7270     | 16   | Washer-Thrust        | 34   | 3269-11     | 4    | Rivet-Pop               |
| 18   | 99-3373     | 4    | Bar-Support, Slide   | 35   | 86-5350     | 2    | Bumper-Rubber           |
| 19   | 95-8575     | 2    | Pin-Clevis           | 36   | 104-8301    | 6    | Nut-HF, NI              |
| 20   | 75-9590     | 2    | Spacer-Cylinder      | 38   | 110-8787    | 2    | Front Carrier Frame ASM |
| 21   | 32120-93    | 4    | Ring-Retaining       | 38:2 | 108-4000    | 2    | Bushing                 |



## Sidewinder Carrier Assembly (continued)

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 39   | 93-8806     | 2    | Washer-Hardened  |
| 40   | 104-4613    | 2    | Tube-Latch       |
| 41   | 104-4612    | 2    | Rod-Latch        |
| 42   | 104-4237    | 2    | Clip-Rod         |
| 43   | 3290-271    | 4    | Rivet-Pop        |
| 44   | 104-4828-03 | 2    | Bracket-Actuator |
| 45   | 3230-23     | 8    | Bolt-CARR        |
| 46   | 32128-44    | 12   | Nut              |
| 47   | 104-4826-03 | 1    | Actuator-RH      |

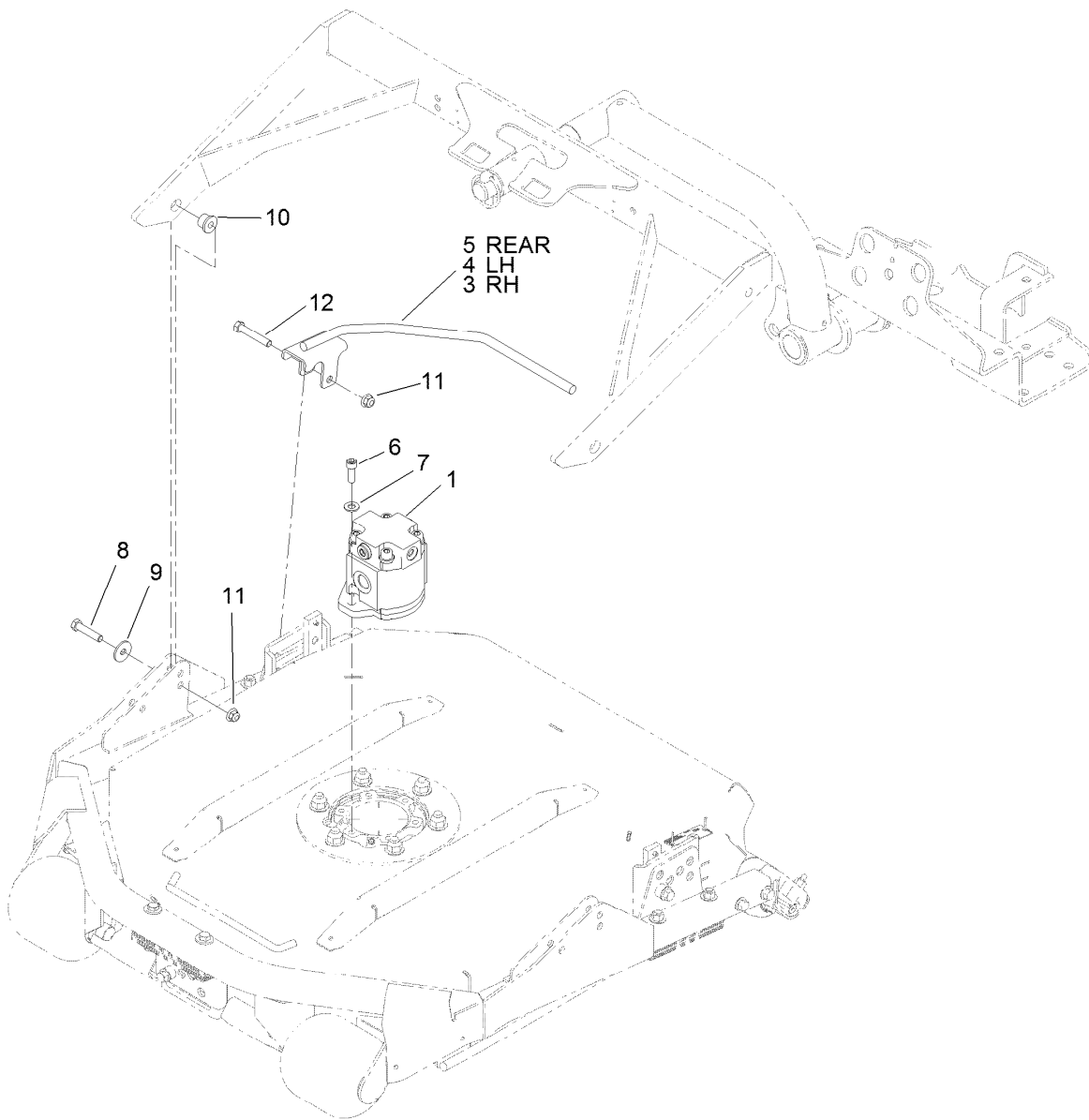
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 48   | 104-4827-03 | 1    | Actuator-LH       |
| 49   | 104-4819-03 | 1    | Bracket-Pivot, LH |
| 50   | 104-4825-03 | 1    | Bracket-Pivot, RH |
| 51   | 323-11      | 2    | Screw-HH          |
| 52   | 322-11      | 2    | Screw-HH          |
| 53   | 104-4821    | 2    | Spring-Torsion    |
| 54   | 32128-43    | 8    | Nut-Flange        |
| 55   | 3296-45     | 2    | Nut-Hex           |



## Scissor Frame and Link Assembly

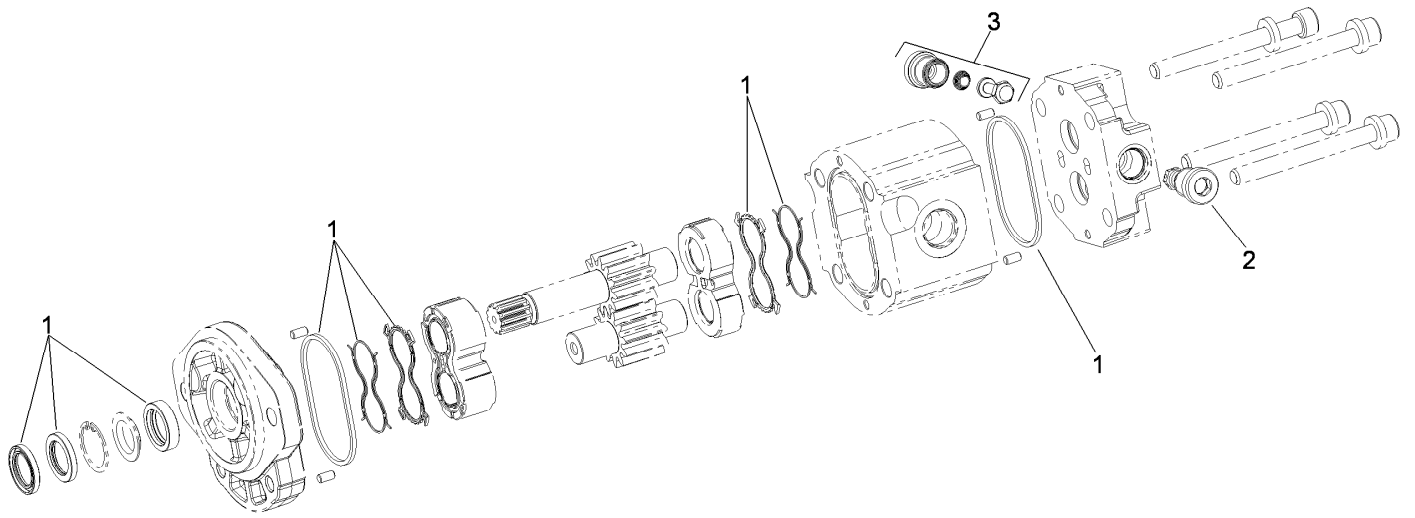
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 95-8526     | 6    | Bushing-Plastic |
| 2    | 95-8527-03  | 1    | Link-Scissor    |
| 3    | 95-8883     | 1    | Mount-Scissor   |
| 4    | 323-7       | 4    | Screw-HH        |
| 5    | 104-8301    | 4    | Nut-HF, NI      |
| 6    | 95-8521-03  | 1    | Frame-Scissor   |
| 7    | 121-3654    | 1    | Cylinder-HYD    |
| 8    | 95-8603     | 2    | Spacer          |
| 9    | 87-5330     | 2    | Washer          |
| 10   | 324-6       | 2    | Screw-HH        |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 11   | 3296-48     | 2    | Nut-Hex            |
| 12   | 125-1914    | 2    | Pin-Pivot          |
| 13   | 3234-14     | 3    | Screw-HHF          |
| 14   | 32152-1     | 3    | Nut-Lock, Cone     |
| 15   | 46-6350     | 2    | Spacer             |
| 16   | 99-3505     | 1    | Scissors Link ASM  |
| 16:1 | 94-3353     | 1    | Decal-Point, Pinch |
| 17   | 32120-93    | 2    | Ring-Retaining     |
| 18   | 120-3199    | 1    | Pin-Pivot          |



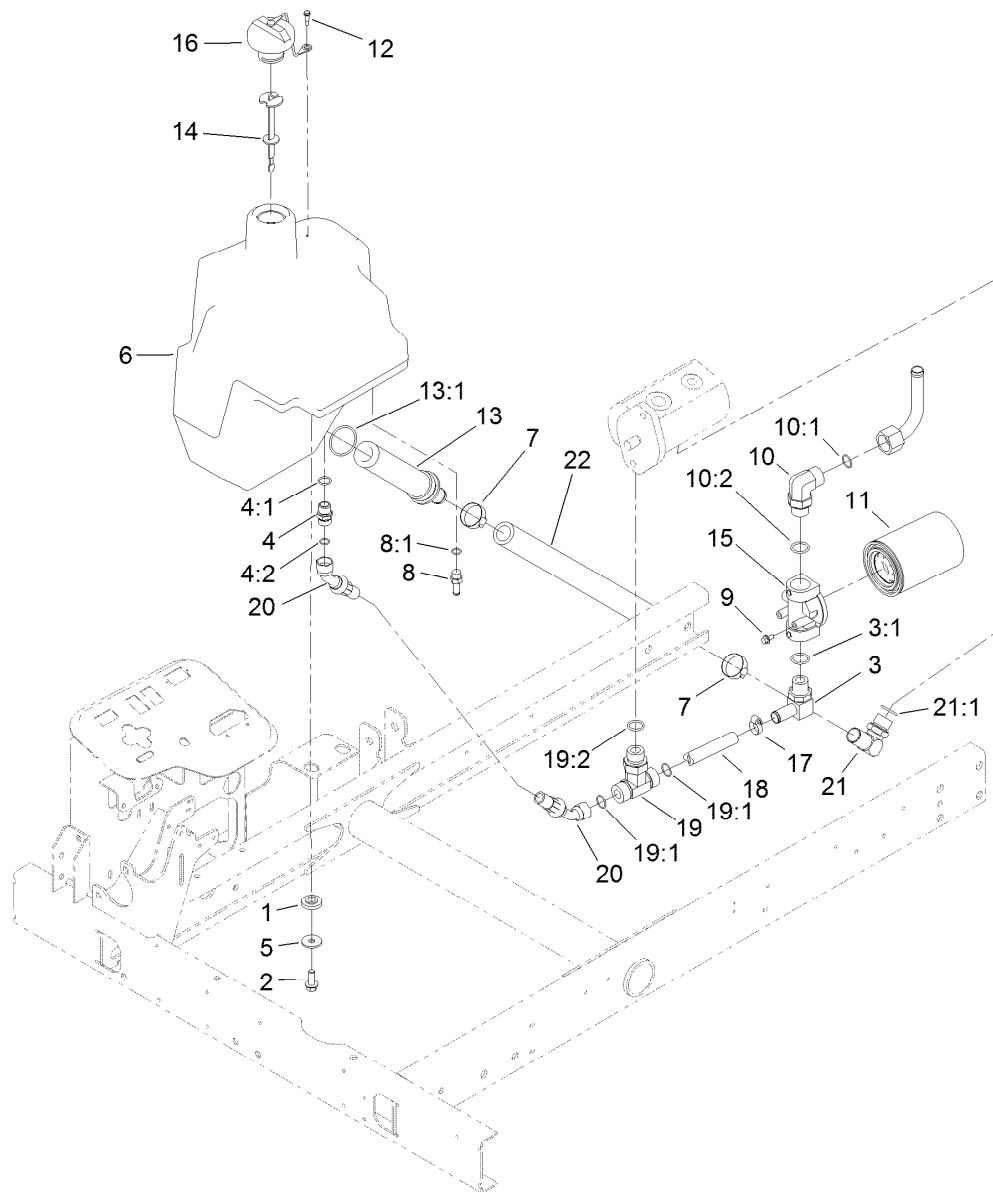
## Hydraulic Motor and Cutting Unit Assembly

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 117-5141    | 3    | HYD Motor ASM   |
| 3    | 112-9901-03 | 1    | Guard-Foot, RH  |
| 4    | 112-9902-03 | 1    | Guard-Foot, LH  |
| 5    | 112-9900-03 | 1    | Guard-Foot      |
| 6    | 3274-7      | 6    | Screw-HSH       |
| 7    | 3256-24     | 6    | Washer-Flat     |
| 8    | 323-52      | 6    | Screw-HH        |
| 9    | 93-8806     | 6    | Washer-Hardened |
| 10   | 95-8803     | 6    | Bushing-Flange  |
| 11   | 104-8301    | 10   | Nut-HF, NI      |
| 12   | 323-11      | 4    | Screw-HH        |



## Gear Motor Assembly No. 117-5141

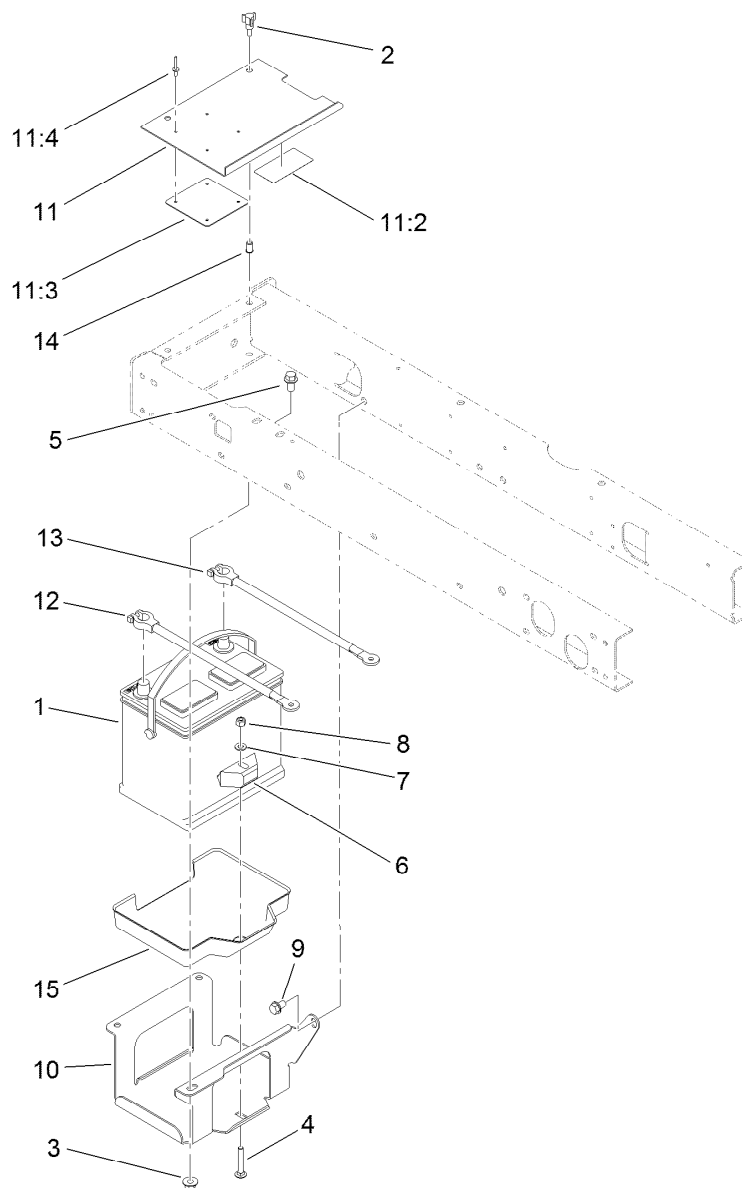
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 117-0235           | 1           | Seal Kit             |
| 2           | 107-7820           | 1           | Valve-Relief         |
| 3 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



## Hydraulic Tank and Filter Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 240-11      | 4    | Bushing-Flange        |
| 2    | 3234-11     | 4    | Screw-HHF             |
| 3    | 353-987     | 1    | Fitting-Elbow, 90     |
| 3:1  | 237-81      | 1    | O-Ring                |
| 4    | 100-4890    | 1    | Fitting-Check         |
| 4:1  | 237-79      | 1    | O-Ring                |
| 4:2  | 237-30      | 1    | O-Ring                |
| 5    | 63-8410     | 4    | Washer                |
| 6    | 104-4840    | 1    | Tank-HYD              |
| 7    | 2412-34     | 2    | Clamp-Hose            |
| 8    | 353-979     | 1    | Fitting-STR           |
| 8:1  | 237-42      | 1    | O-Ring                |
| 9    | 3234-13     | 2    | Screw-HHF             |
| 10   | 340-142     | 1    | Fitting-Elbow, 90 DEG |
| 10:1 | 237-58      | 1    | O-Ring                |
| 10:2 | 237-81      | 1    | O-Ring                |

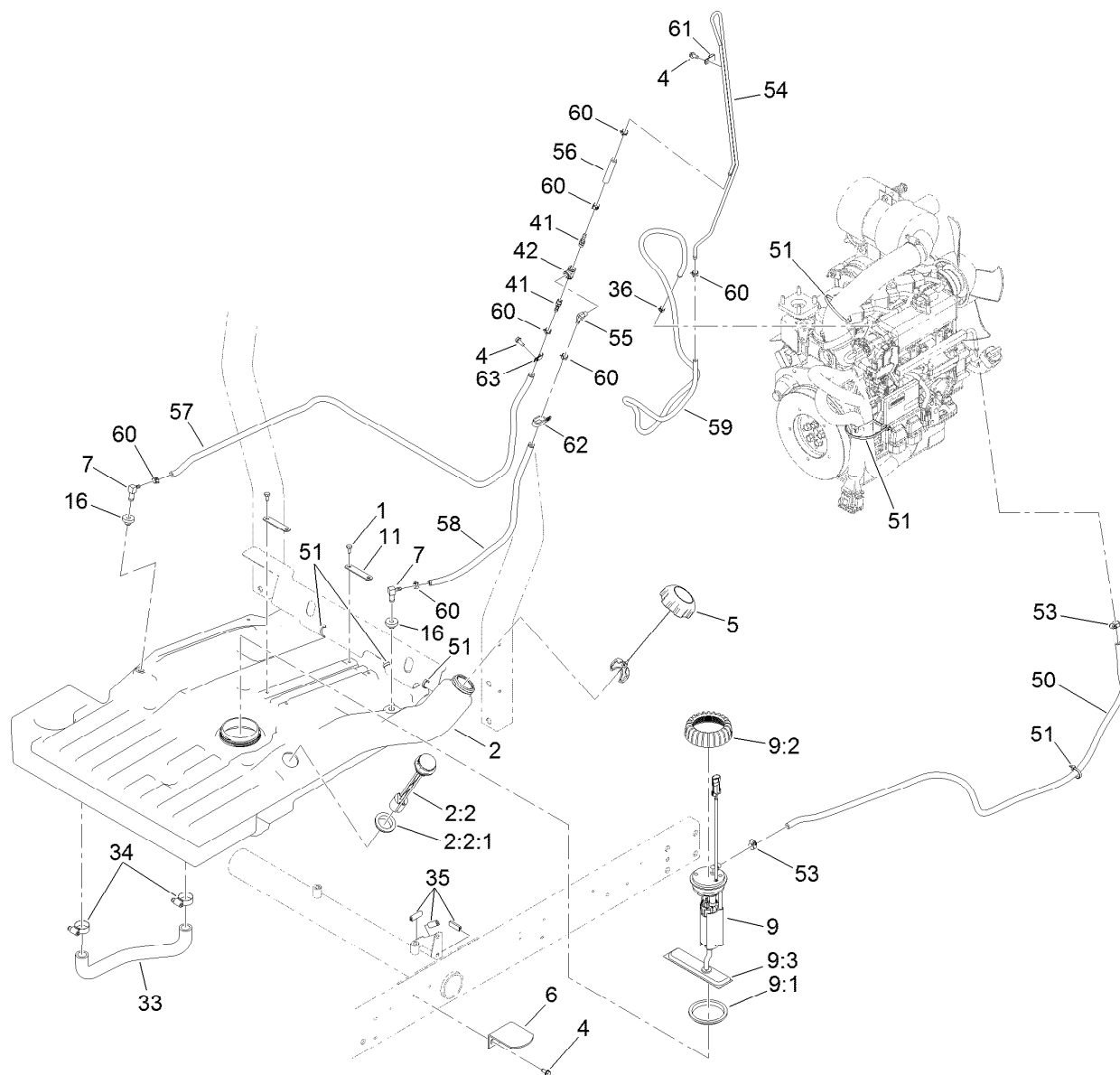
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 11   | 86-3010     | 1    | Filter-Oil        |
| 12   | 57-5420     | 1    | Screw-Shoulder    |
| 13   | 104-7546    | 1    | Tank Strainer ASM |
| 13:1 | 340-136     | 1    | O-Ring            |
| 14   | 119-6968    | 1    | Dipstick-Oil      |
| 15   | 92-5821     | 1    | Head-Filter       |
| 16   | 93-7160     | 1    | Cap-Oil, HYD      |
| 17   | 2412-36     | 2    | Clamp-Hose        |
| 18   | 104-0486    | 1    | Hose-HYD          |
| 19   | 104-4836    | 1    | Fitting-Tee       |
| 19:1 | 237-58      | 2    | O-Ring            |
| 19:2 | 237-81      | 1    | O-Ring            |
| 20   | 120-3541    | 1    | Hose-HYD          |
| 21   | 95-3502     | 1    | Fitting-Elbow 90  |
| 21:1 | 237-81      | 1    | O-Ring            |
| 22   | 117-3200    | 1    | Hose-Suction      |



## Battery Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           | 132-8621           | 1           | Battery - Corrosive |
| 2           | 233-70             | 2           | Knob-Star, Three    |
| 3           | 32128-43           | 3           | Nut-Flange          |
| 4           | 3230-6             | 1           | Bolt-CARR           |
| 5           | 3234-1             | 3           | Screw-HHF           |
| 6           | 3256-23            | 1           | Washer-Plain        |
| 7           | 3296-29            | 1           | Nut-Lock, NI        |
| 8           | 66-2490            | 1           | Retainer-Battery    |
| 9           | 32144-15           | 1           | Screw-HHFTF         |

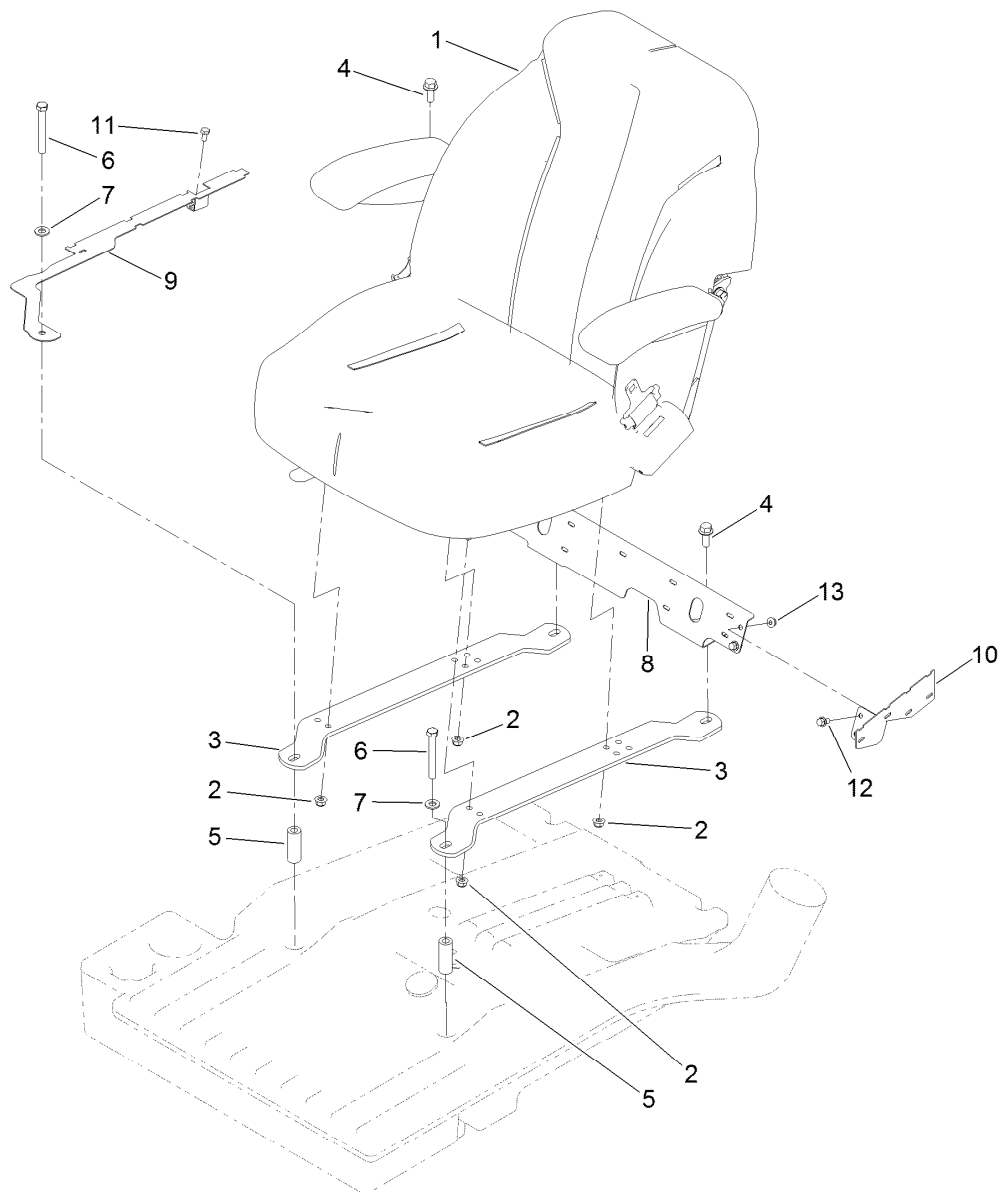
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 10          | 95-8796-03         | 1           | Support-Battery          |
| 11          | 99-3602            | 1           | Battery Cover ASM        |
| 11:2        | 93-7276            | 1           | Decal-Danger             |
| 11:3        | 87-7620            | 1           | Shield-Terminal, Battery |
| 11:4        | 3269-27            | 4           | Rivet-Snap               |
| 12          | 95-8853            | 1           | Cable-Battery, Positive  |
| 13          | 95-8854            | 1           | Cable-Battery, Negative  |
| 14          | 32148-6            | 2           | Nut-Clinch               |
| 15          | 99-3513            | 1           | Tray-Battery             |



## Fuel Tank Assembly

| Ref.  | Part Number | Qty. | Description           |
|-------|-------------|------|-----------------------|
| 1     | 321-2       | 4    | Screw-HH              |
| 2     | 121-3564    | 1    | Fuel Tank ASM         |
| 2:2   | 120-3535    | 1    | Fuel Gauge ASM        |
| 2:2:1 | 119-0508    | 1    | Seal                  |
| 4     | 32144-10    | 4    | Screw-HWH             |
| 5     | 115-7788    | 1    | Cap-Fuel              |
| 6     | 95-8968-03  | 1    | Support-Tank, Fuel    |
| 7     | 104-5228    | 2    | Fitting-Elbow, 90 DEG |
| 9     | 121-3502    | 1    | Fuel Pump ASM         |
| 9:1   | 115-2163    | 1    | Gasket-Pump, Fuel     |
| 9:2   | 115-2162    | 1    | Cap-Pump, Fuel        |
| 9:3   | 121-3625    | 1    | Filter-Pump, Fuel     |
| 11    | 121-3514    | 2    | Strap-Line, Fuel      |
| 16    | 46-6560     | 2    | Bushing               |
| 33    | 105-4094    | 1    | Hose-Formed           |
| 34    | 2412-129    | 2    | Clamp-Hose            |
| 35    | 110-8754    | 3    | Trim                  |

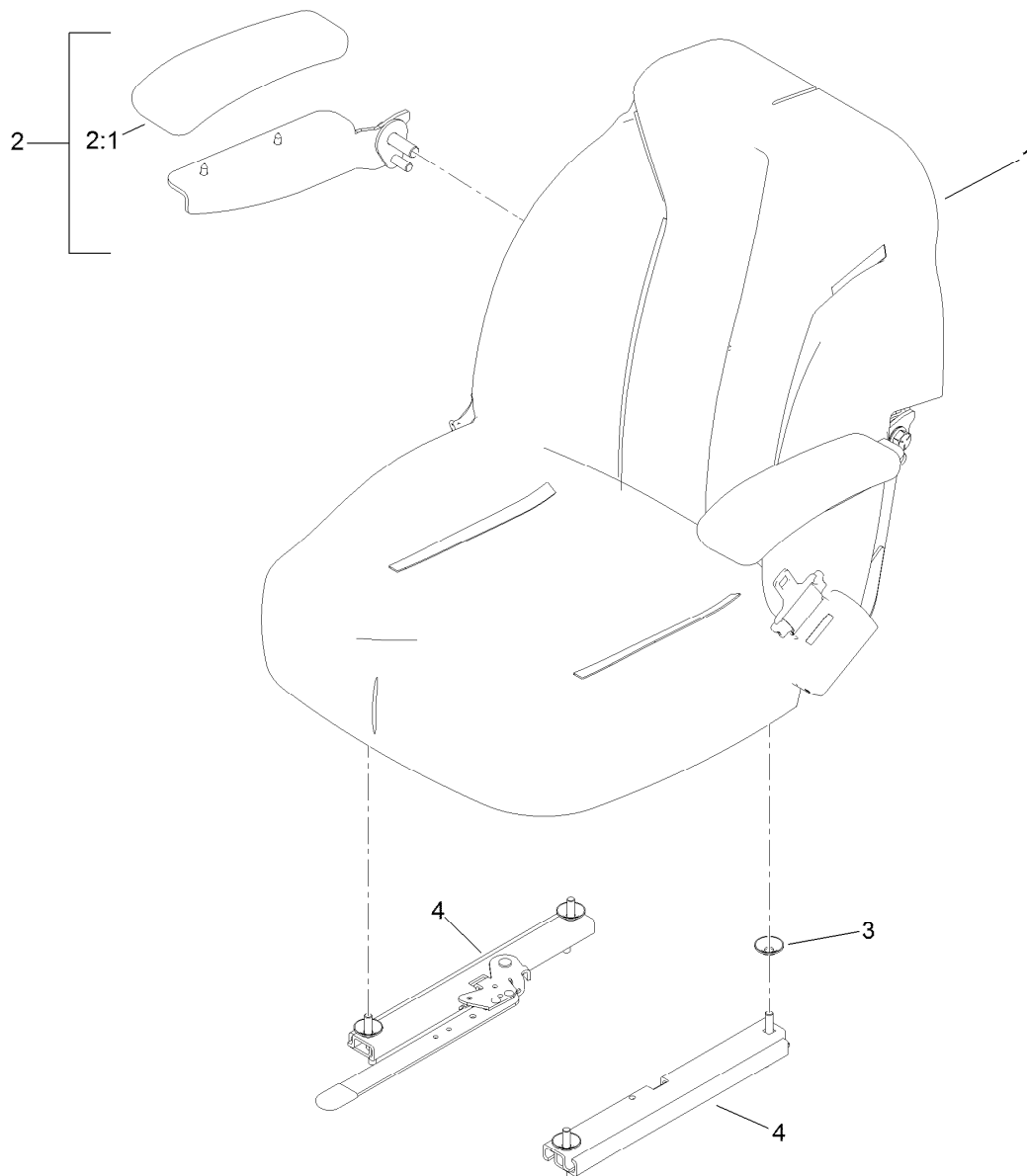
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 36   | 2412-80     | 1    | Clamp-Hose             |
| 41   | 304-73      | 2    | Fitting-Straight       |
| 42   | 354-20      | 1    | Fitting-Tee            |
| 50   | 109-0290    | 1    | Hose-Fuel              |
| 51   | 3290-379    | 14   | Tie-Cable              |
| 53   | 2412-108    | 2    | Clamp-Worm             |
| 54   | 121-3515    | 1    | Tube-Vent, Fuel        |
| 55   | 116-1153    | 1    | Elbow-90 DEG, Barbed   |
| 56   | 114-3765    | 1    | Hose-Fuel              |
| 57   | 121-3648    | 1    | Hose-Fuel              |
| 58   | 109-0298    | 1    | Line-Fuel              |
| 59   | 119-6073    | 1    | Hose-Fuel              |
| 60   | 2412-98     | 7    | Clamp-Hose             |
| 61   | 121-3516    | 1    | Clamp-R                |
| 62   | 119-8153    | 1    | Clamp-R, Double Tube   |
| 63   | 2412-72     | 1    | Clip-Closed, Insulated |



## Seat Assembly

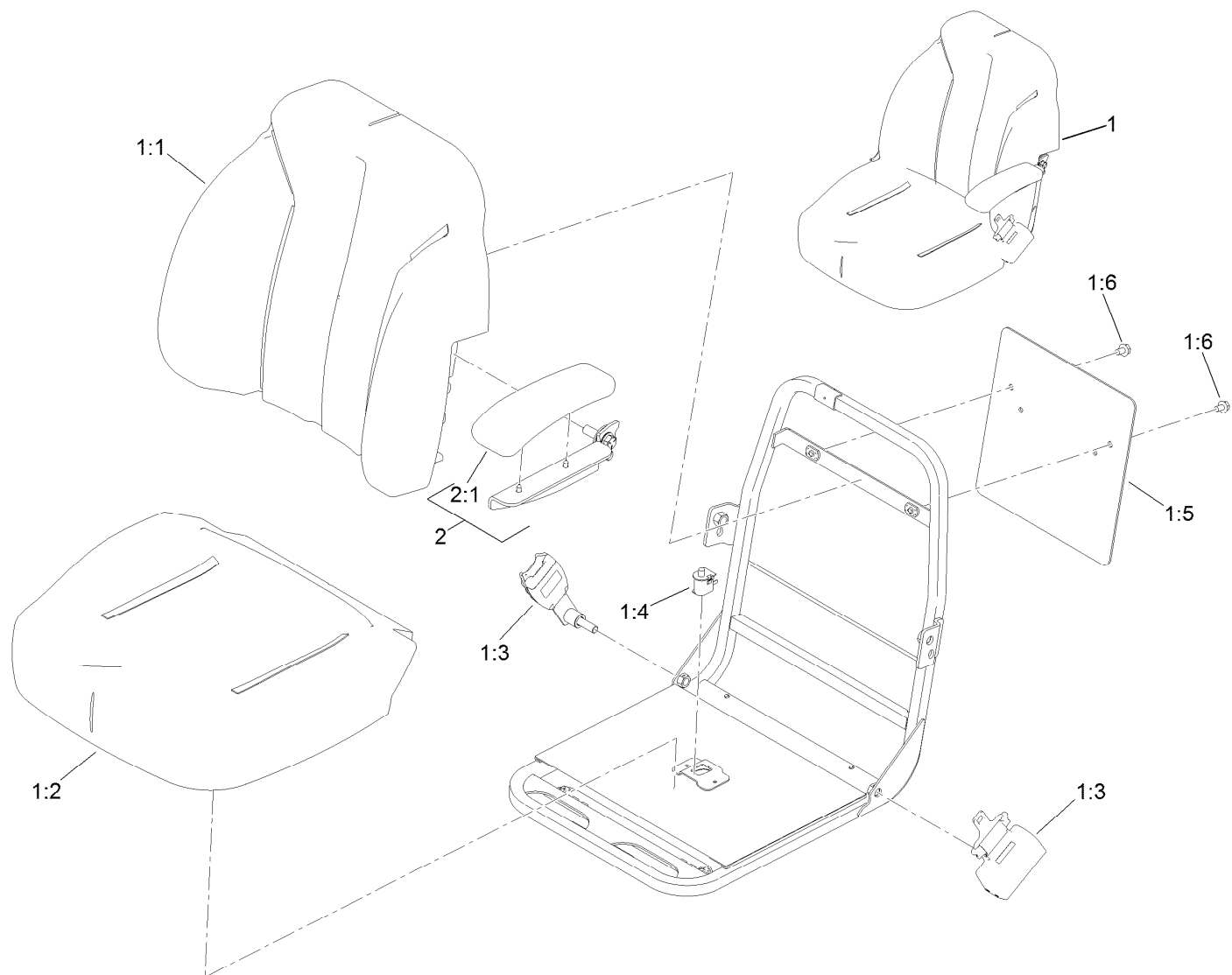
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 139-2679    | 1    | Seat And Track ASM  |
| 2    | 104-8300    | 4    | Nut-HF, NI          |
| 3    | 121-3655-03 | 2    | Strap-Support, Seat |
| 4    | 3234-11     | 2    | Screw-HHF           |
| 5    | 104-0466    | 2    | Spacer              |
| 6    | 323-14      | 2    | Screw-HH            |
| 7    | 3256-24     | 2    | Washer-Flat         |
| 8    | 121-3644-03 | 1    | Shield-Heat         |
| 9    | 121-3646-03 | 1    | Bracket-Line, Fuel  |
| 10   | 121-3645-03 | 1    | Bracket-Line, Fuel  |
| 11   | 321-2       | 1    | Screw-HH            |
| 12   | 3234-13     | 2    | Screw-HHF           |
| 13   | 104-7201    | 2    | Nut-HF, NI          |
| 99   | 3290-378    | 1    | Tie-Cable ●         |

● Not illustrated



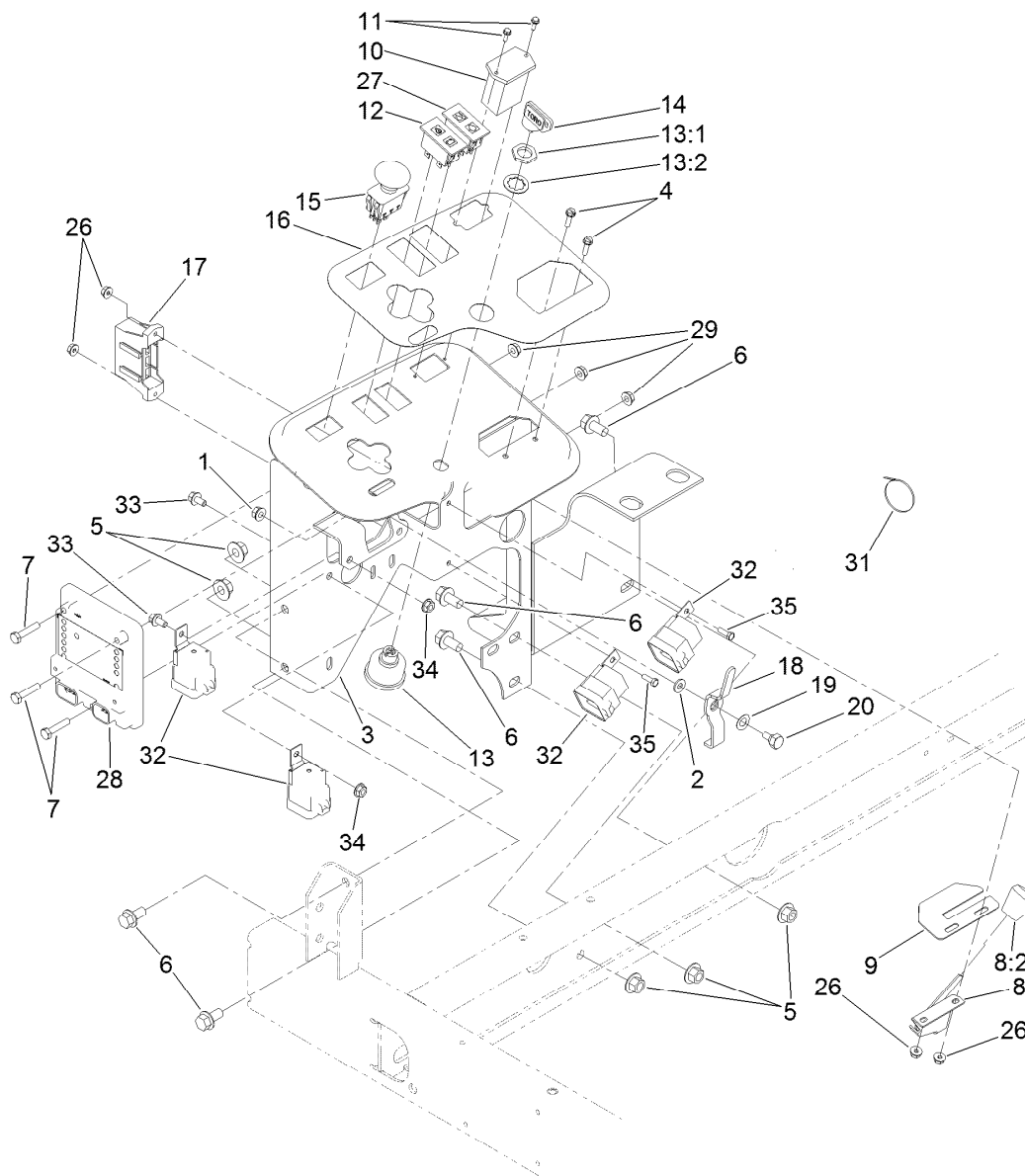
## Seat and Track Assembly No. 139-2679

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 139-2700    | 1    | Seat ASM          |
| 2    | 121-3658    | 1    | RH Arm Rest Kit   |
| 2:1  | 110-4163    | 1    | Cushion-Rest, Arm |
| 3    | 136-9002    | 4    | Spacer-Mounting   |
| 4    | 126-2177    | 1    | Track-Seat        |



## Seat Assembly No. 139-2700

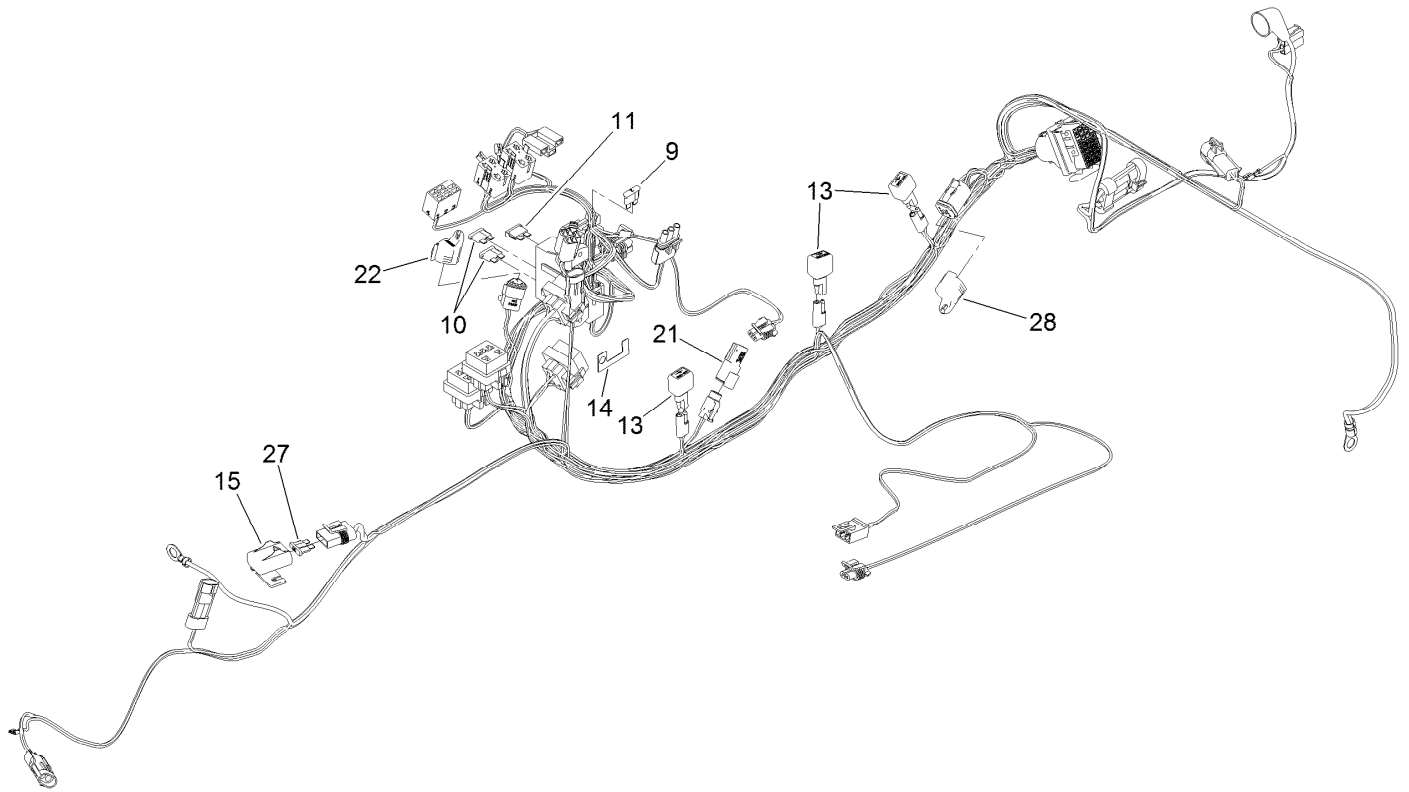
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 139-2680    | 1    | Seat ASM           |
| 1:1  | 139-2705    | 1    | Cover-Seat, Back   |
| 1:2  | 139-2706    | 1    | Cover-Seat, Bottom |
| 1:3  | 139-2707    | 1    | Seat Belt Kit      |
| 1:4  | 82-2190     | 1    | Switch-Bail        |
| 1:5  | 139-2701    | 1    | Plate-Decal        |
| 1:6  | 3234-30     | 2    | Screw-HHF          |
| 2    | 121-3660    | 1    | LH Arm Rest Kit    |
| 2:1  | 110-4163    | 1    | Cushion-Rest, Arm  |



## Control Panel Assembly

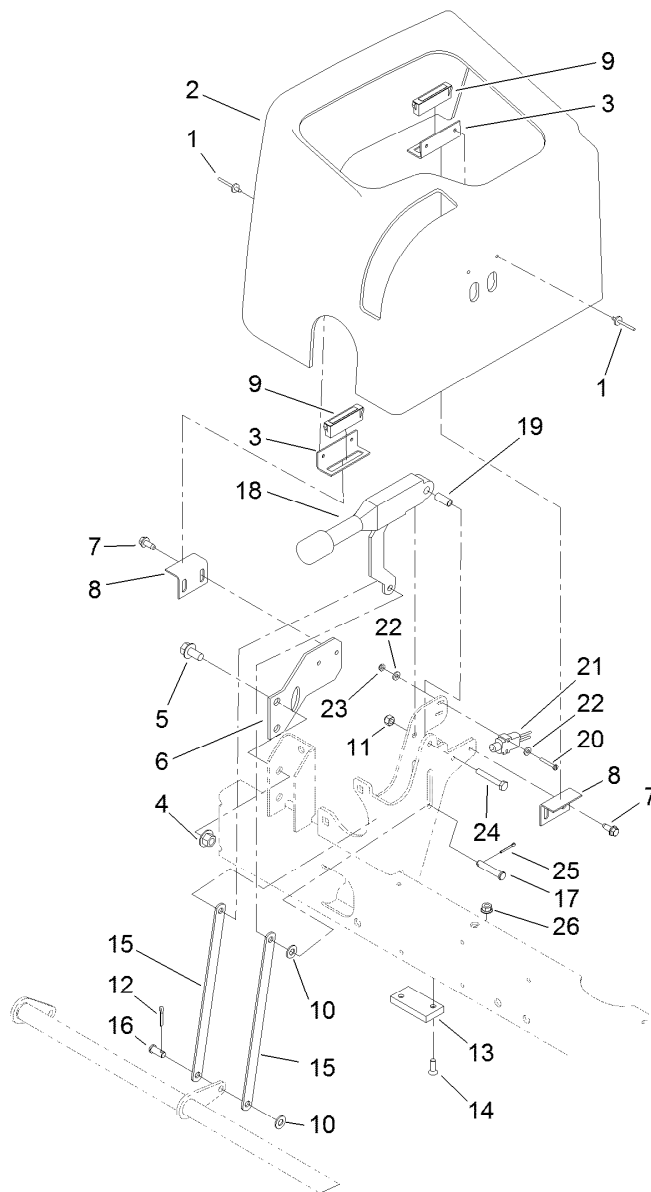
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 32128-32    | 1    | Nut-HHF              |
| 2    | 3256-22     | 1    | Washer-Flat          |
| 3    | 115-3496-03 | 1    | Panel-Control        |
| 4    | 32105-13    | 2    | Screw-HWH            |
| 5    | 32128-43    | 5    | Nut-Flange           |
| 6    | 3234-1      | 5    | Screw-HHF            |
| 7    | 321-8       | 3    | Screw-HH             |
| 8    | 122-0056    | 1    | Throttle-Electronic  |
| 8:2  | 66-0120     | 1    | Knob                 |
| 9    | 104-0421    | 1    | Plate-Stop, Throttle |
| 10   | 75-6820     | 1    | Hourmeter            |
| 11   | 32144-18    | 2    | Screw-HWH            |
| 12   | 100-8070    | 1    | Lamp-Warning         |
| 13   | 104-2541    | 1    | Ignition Switch ASM  |
| 13:1 | 218-461     | 1    | Nut-HH               |
| 13:2 | 3254-5      | 1    | Washer-Lock          |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 14   | 63-8360     | 1    | Key-Ignition             |
| 15   | 93-9999     | 1    | Switch-PTO               |
| 16   | 121-3620    | 1    | Decal-Console            |
| 17   | 122-1524    | 1    | Harness-Wire             |
| 18   | 99-3401     | 1    | Lever-Lock               |
| 19   | 3290-477    | 1    | Washer-Curved            |
| 20   | 63-3410     | 1    | Screw-Shoulder           |
| 26   | 3290-148    | 4    | Nut-HF                   |
| 27   | 121-3508    | 1    | Light Cluster            |
| 28   | 106-9277    | 1    | Module-Control, Standard |
| 29   | 32128-33    | 3    | Nut-HF                   |
| 31   | 3290-379    | 1    | Tie-Cable                |
| 32   | 99-7430     | 4    | Relay-Mini               |
| 33   | 3234-13     | 2    | Screw-HHF                |
| 34   | 32128-33    | 2    | Nut-HF                   |
| 35   | 3290-134    | 2    | Screw                    |



## Wire Harness Assembly No. 122-1524

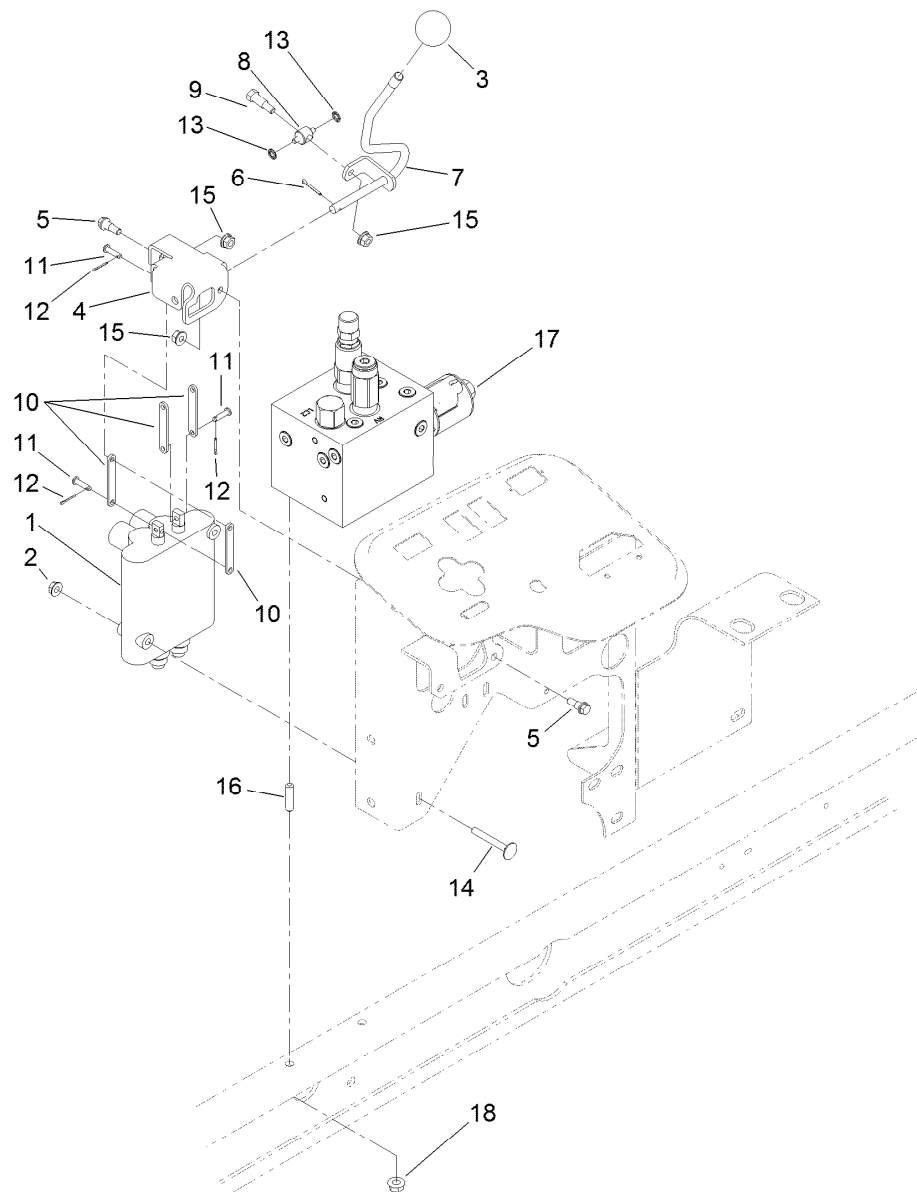
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 9           | 94-6710            | 1           | Fuse-2 Amp         |
| 10          | 218-578            | 2           | Fuse-Blade, 10 Amp |
| 11          | 109355             | 1           | Fuse-Blade, 15 Amp |
| 13          | 100-4918           | 3           | Diode              |
| 14          | 32180-020          | 1           | Clip-Connector     |
| 15          | 32180-019          | 1           | Cover-Fuse, Single |
| 21          | 32180-282          | 1           | Resistor-120 Ohm   |
| 22          | 32180-089          | 1           | Cap-Plug, 3 Way    |
| 27          | 109103             | 1           | Fuse-Blade, 30 Amp |
| 28          | 32180-156          | 1           | Cap-Plug, 6 Way    |



## Parking Brake and Dash Cover Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 3269-5      | 4    | Rivet-Pop                |
| 2    | 95-8707     | 1    | Cover-Dash               |
| 3    | 95-8763     | 2    | Bracket-Hold Down, Cover |
| 4    | 32128-43    | 2    | Nut-Flange               |
| 5    | 3234-1      | 2    | Screw-HHF                |
| 6    | 95-8764-03  | 1    | Support-Magnet           |
| 7    | 32144-10    | 4    | Screw-HWH                |
| 8    | 95-8765     | 2    | Bracket-Strike, Magnet   |
| 9    | 58-4250     | 2    | Catch-Magnetic           |
| 10   | 3256-23     | 2    | Washer-Plain             |
| 11   | 3296-42     | 1    | Nut-Lock, NI             |
| 12   | 3272-10     | 1    | Pin-Cotter               |
| 13   | 95-8684     | 1    | Pad-Bumper               |

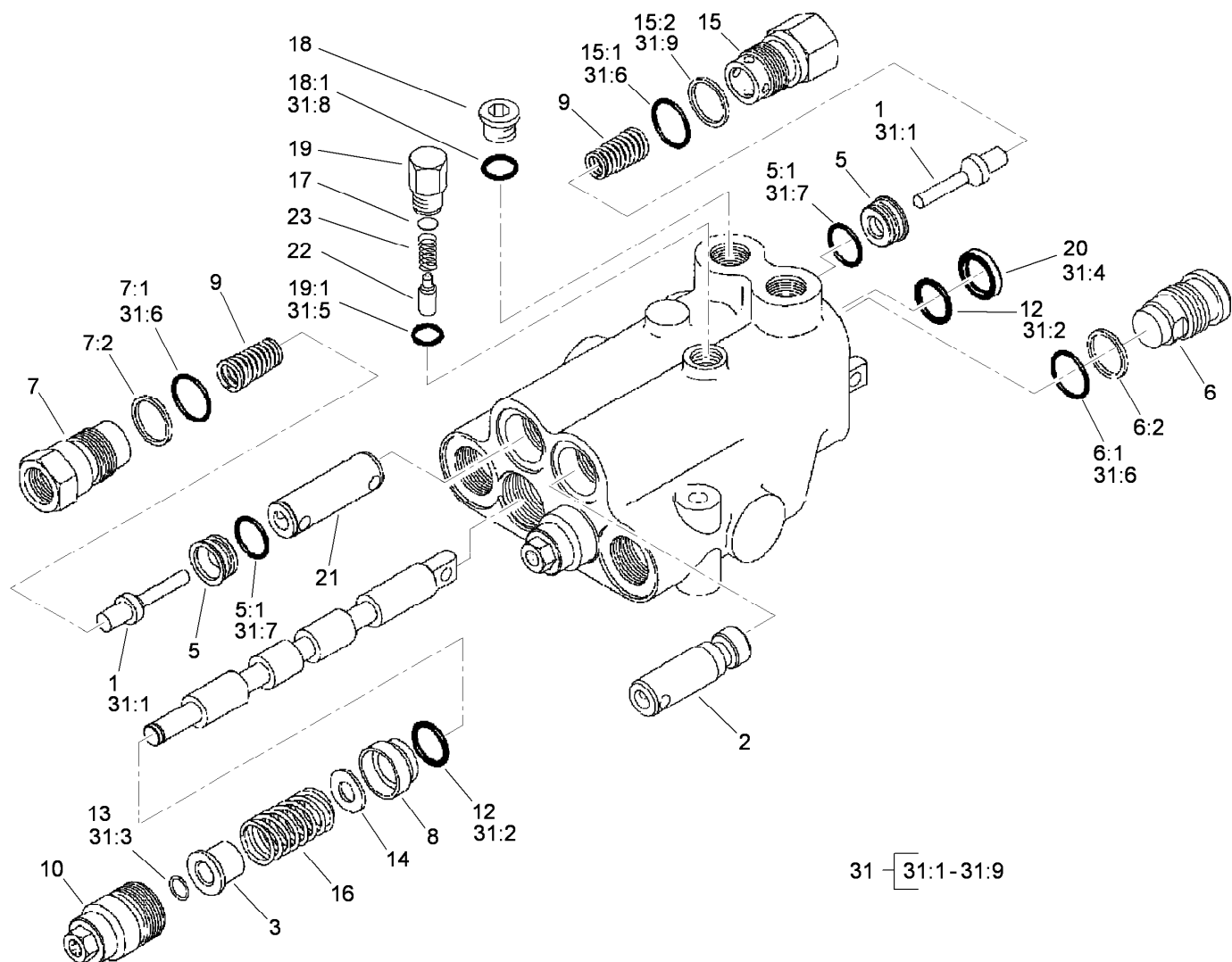
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 14   | 3289-4      | 2    | Screw-FH              |
| 15   | 104-4628    | 2    | Link-Brake, Parking   |
| 16   | 283-62      | 1    | Pin-Clevis            |
| 17   | 94-3829     | 1    | Pin-Clevis            |
| 18   | 104-4817    | 1    | Lever-Brake           |
| 19   | 87-4710     | 1    | Spacer-Brake, Parking |
| 20   | 32105-9     | 2    | Screw                 |
| 21   | 95-8900     | 1    | Switch                |
| 22   | 3256-21     | 4    | Washer-Flat           |
| 23   | 3296-9      | 2    | Nut-Hex               |
| 24   | 321-10      | 1    | Screw-HH              |
| 25   | 3272-6      | 1    | Pin-Cotter            |
| 26   | 104-7201    | 2    | Nut-HF, NI            |



## 2-Spool Control Valve Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 95-8581     | 1    | 2-Spool Control Valve ASM |
| 2    | 32128-33    | 2    | Nut-HF                    |
| 3    | 233-42      | 1    | Knob                      |
| 4    | 95-8633     | 1    | Bracket-Valve, Actuator   |
| 5    | 42-3560     | 2    | Bolt-Shoulder             |
| 6    | 3272-6      | 1    | Pin-Cotter                |
| 7    | 95-8635     | 1    | Lever-Valve               |
| 8    | 95-8638     | 1    | Trunnion-Valve, Actuator  |
| 9    | 92-8916     | 1    | Bolt-Shoulder             |

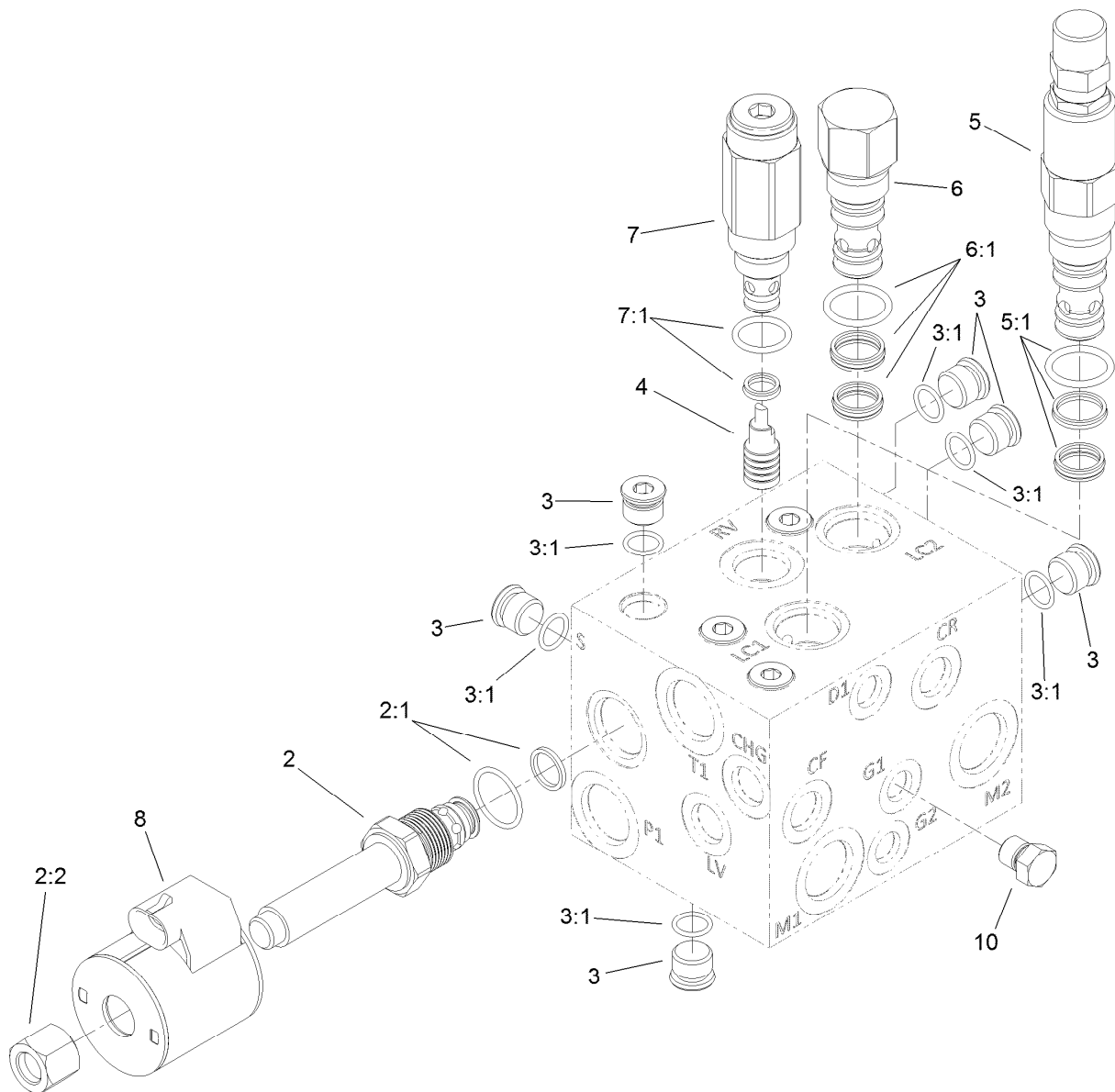
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 10   | 95-8634     | 4    | Link           |
| 11   | 283-16      | 3    | Pin-Clevis     |
| 12   | 3272-1      | 3    | Pin-Cotter     |
| 13   | 32151-106   | 2    | Ring-Retaining |
| 14   | 3230-33     | 2    | Screw-CARR     |
| 15   | 32128-32    | 3    | Nut-HHF        |
| 16   | 104-0430    | 2    | Stud           |
| 17   | 121-3570    | 1    | Manifold ASM   |
| 18   | 104-8300    | 2    | Nut-HF, NI     |



## 2-Spool Control Valve Assembly No. 95-8581

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 1    | 58-6290     | 3    | Poppet         |
| 2    | 69-1840     | 1    | Plunger        |
| 3    | 58-6310     | 2    | Spacer         |
| 5    | 58-6330     | 3    | Seat           |
| 5:1  | 58-6340     | 1    | O-Ring         |
| 6    | 58-6350     | 1    | Plug           |
| 6:1  | 60-5720     | 1    | O-Ring         |
| 6:2  | 58-6370     | 1    | Washer         |
| 7    | 69-1800     | 2    | Plug ASM       |
| 7:1  | 60-5720     | 1    | O-Ring         |
| 7:2  | 58-6370     | 1    | Washer         |
| 8    | 58-6400     | 2    | Bushing        |
| 9    | 69-1810     | 3    | Spring         |
| 10   | 58-6420     | 2    | Cap            |
| 12   | 58-6450     | 4    | O-Ring         |
| 13   | 58-6460     | 2    | Ring-Retaining |
| 14   | 65-2770     | 2    | Washer         |
| 15   | 99-3526     | 1    | Plug ASM       |
| 15:1 | 60-5720     | 1    | O-Ring         |
| 15:2 | 59-7730     | 1    | Washer-Backup  |

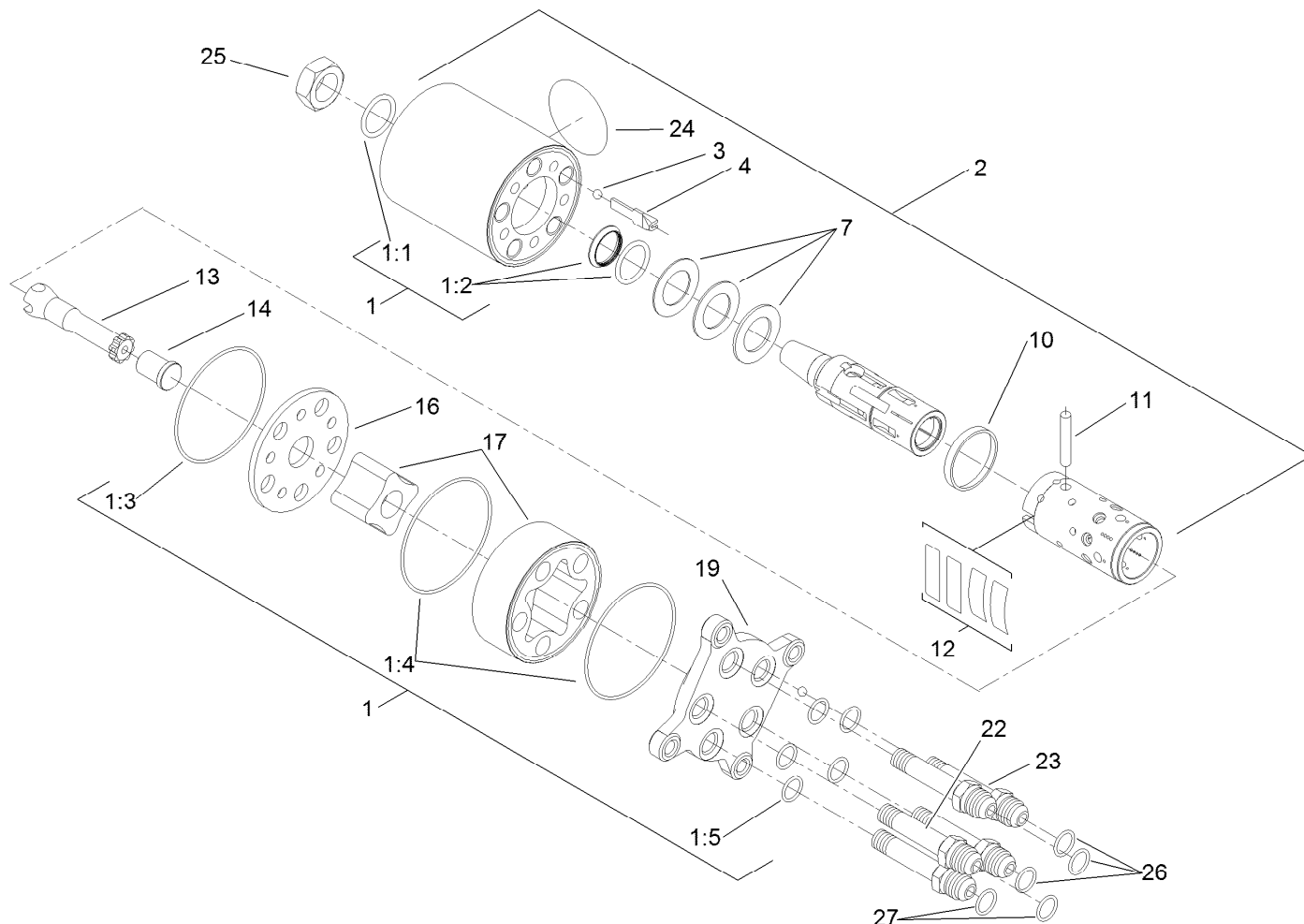
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 16   | 99-3531     | 2    | Spring           |
| 17   | 60-6450     | 1    | Disc             |
| 18   | 353-989     | 1    | Plug-Hex, Hollow |
| 18:1 | 237-42      | 1    | O-Ring           |
| 19   | 58-6780     | 1    | Plug             |
| 19:1 | 58-6790     | 1    | O-Ring           |
| 20   | 58-6320     | 2    | Wiper            |
| 21   | 99-3528     | 1    | Plunger          |
| 22   | 58-6770     | 1    | Plunger          |
| 23   | 58-6760     | 1    | Spring           |
| 31   | 99-3530     | 1    | Seal Kit         |
| 31:1 | 58-6290     | 3    | Poppet           |
| 31:2 | 58-6450     | 4    | O-Ring           |
| 31:3 | 58-6460     | 2    | Ring-Retaining   |
| 31:4 | 58-6320     | 2    | Wiper            |
| 31:5 | 58-6790     | 1    | O-Ring           |
| 31:6 | 60-5720     | 4    | O-Ring           |
| 31:7 | 58-6340     | 2    | O-Ring           |
| 31:8 | 237-42      | 1    | O-Ring           |
| 31:9 | 59-7730     | 2    | Washer-Backup    |



## Hydraulic Manifold Assembly No. 121-3570

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 2    | 110-8768    | 1    | Valve-Relief, Solenoid (3000 PSI) |
| 2:1  | 110-6316    | 1    | Seal Kit                          |
| 2:2  | 130-8180    | 1    | Nut-Coil (9/16-24 Unef-2B)        |
| 3    | 353-512     | 9    | Plug                              |
| 3:1  | 237-78      | 1    | O-Ring                            |
| 4    | 105-9157    | 1    | Piston-Pilot                      |
| 5    | 119-2011    | 1    | Valve-Logic, Adjustable           |
| 5:1  | 119-2159    | 1    | Seal Kit                          |
| 6    | 105-9153    | 1    | Element-Logic, Vented             |
| 6:1  | 119-2159    | 1    | Seal Kit                          |
| 7    | 112-5259    | 1    | Valve-Relief                      |
| 7:1  | 105-9156    | 1    | Seal Kit                          |
| 8    | 110-6344    | 1    | Coil-12V, DC                      |
| 10   | 117-0115    | 1    | Plug                              |



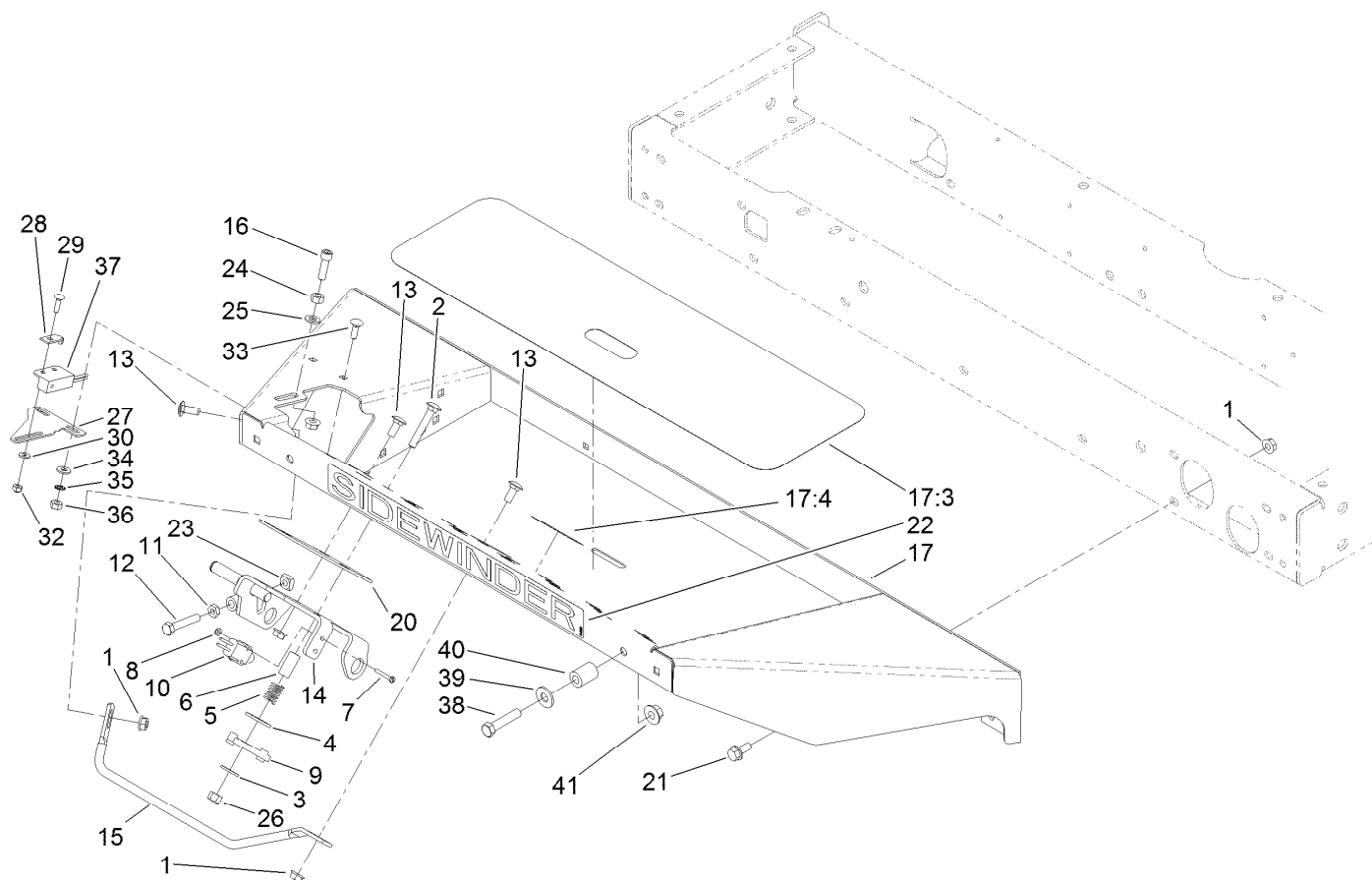


## Steering Valve Assembly No. 121-7856

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 106-6716    | 1    | Seal Kit          |
| 1:1  |             | 1    | Ring-Seal, Dust ● |
| 1:2  |             | 1    | Seal-Shaft ●      |
| 1:3  |             | 1    | O-Ring ●          |
| 1:4  |             | 2    | O-Ring ●          |
| 1:5  |             | 5    | O-Ring ●          |
| 2    |             | 1    | Housing ●         |
| 3    |             | 1    | Ball ●            |
| 4    |             | 1    | Stop-Ball ●       |
| 7    |             | 1    | Bearing ASM ●     |
| 10   |             | 1    | Ring ●            |
| 11   |             | 1    | Pin-Cross ●       |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 12   |             | 1    | Springs ●           |
| 13   |             | 1    | Shaft ●             |
| 14   |             | 1    | Spacer ●            |
| 16   |             | 1    | Plate-Distributor ● |
| 17   |             | 1    | Gearwheel Set ●     |
| 19   |             | 1    | Cover-End ●         |
| 22   |             | 1    | Screw-Special ●     |
| 23   |             | 4    | Screw-Special ●     |
| 24   |             | 1    | Plate-Name ●        |
| 25   | 3296-33     | 1    | Nut-Lock, NI        |
| 26   | 237-22      | 3    | O-Ring              |
| 27   | 237-21      | 2    | O-Ring              |

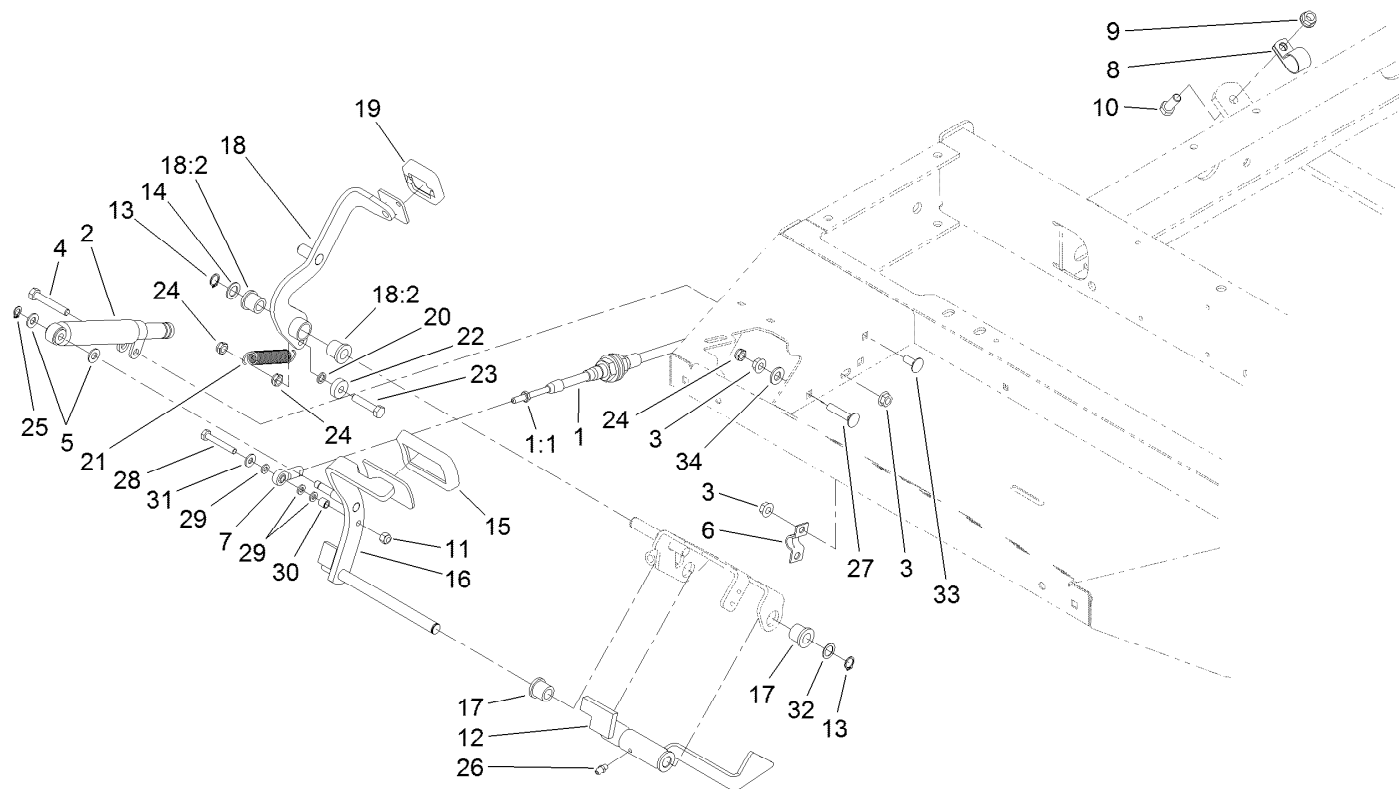
● Not serviced separately



## Floorplate Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 32128-20    | 15   | Nut-HF                  |
| 2    | 3230-6      | 1    | Bolt-CARR               |
| 3    | 3256-3      | 1    | Washer-Flat             |
| 4    | 3256-40     | 1    | Washer-Flat             |
| 5    | 65-9940     | 1    | Spring                  |
| 6    | 95-8866     | 1    | Tube-Arm, Rocker        |
| 7    | 32105-9     | 2    | Screw                   |
| 8    | 3296-9      | 2    | Nut-Hex                 |
| 9    | 99-3593     | 1    | Arm-Rocker              |
| 10   | 95-8900     | 1    | Switch                  |
| 11   | 3218-2      | 1    | Nut-Hex Jam             |
| 12   | 322-41      | 1    | Bolt-Hex,TAP            |
| 13   | 3230-23     | 4    | Bolt-CARR               |
| 14   | 95-8869-03  | 1    | Bracket-Pedal, Traction |
| 15   | 95-8893     | 1    | Bar-Deflector           |
| 16   | 3274-22     | 1    | Screw-HSH               |
| 17   | 106-4154    | 1    | Floorplate ASM          |
| 17:3 | 99-3478     | 1    | Tread-Foot              |
| 17:4 | 99-3444     | 1    | Decal-Mow / Transport   |
| 20   | 106-2661-01 | 1    | Plate-Support           |

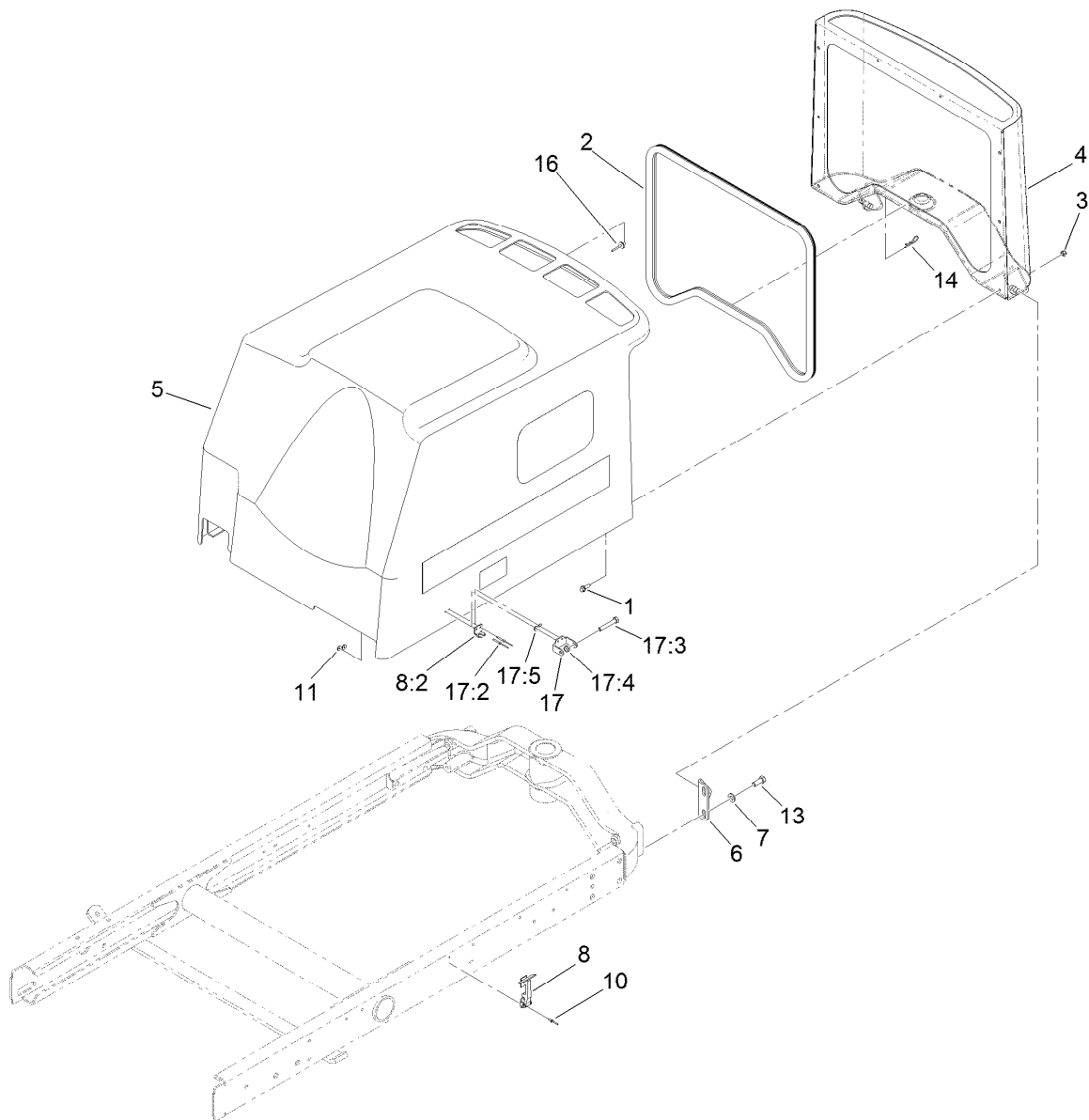
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 21   | 3234-5      | 10   | Screw-HHF               |
| 22   | 99-3388     | 1    | Decal                   |
| 23   | 99-3565     | 1    | Nut-Square              |
| 24   | 3217-6      | 1    | Nut-Hex                 |
| 25   | 3256-23     | 1    | Washer-Plain            |
| 26   | 3296-29     | 1    | Nut-Lock, NI            |
| 27   | 100-4871    | 1    | Bracket-Switch, Neutral |
| 28   | 100-4872    | 1    | Plate-Switch, Neutral   |
| 29   | 3229-20     | 1    | Screw-CARR              |
| 30   | 3256-14     | 1    | Washer-Flat             |
| 32   | 3296-2      | 1    | Nut-Lock, NI            |
| 33   | 3229-1      | 2    | Screw-CARR              |
| 34   | 3256-22     | 2    | Washer-Flat             |
| 35   | 3255-7      | 2    | Washer-Lock/EXT         |
| 36   | 3217-5      | 2    | Nut-Hex                 |
| 37   | 100-1270    | 1    | Switch-Proximity        |
| 38   | 323-9       | 2    | Screw-HH                |
| 39   | 3256-4      | 2    | Washer-Flat             |
| 40   | 104-4613    | 2    | Tube-Latch              |
| 41   | 32128-43    | 2    | Nut-Flange              |



## Traction Pedal Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 100-4815    | 1    | Cable-Control, Traction |
| 1:1  | 3220-1      | 2    | Nut-Jam                 |
| 2    | 76-8870     | 1    | Damper-Lever            |
| 3    | 32128-20    | 5    | Nut-HF                  |
| 4    | 322-10      | 1    | Screw-HH                |
| 5    | 3256-23     | 2    | Washer-Plain            |
| 6    | 93-2092     | 1    | Clamp-Cable             |
| 7    | 2411-41     | 1    | Rod End-Ball Joint      |
| 8    | 2412-41     | 1    | Clamp-R                 |
| 9    | 3290-357    | 1    | Nut-HSF                 |
| 10   | 323-6       | 1    | Screw-HH                |
| 11   | 3296-42     | 1    | Nut-Lock, NI            |
| 12   | 95-8861     | 1    | Slide                   |
| 13   | 32151-84    | 2    | Ring-Shaft, EXT         |
| 14   | 41-8440     | 1    | Washer                  |
| 15   | 74-9100     | 1    | Pad-Pedal, Forward      |
| 16   | 104-4852-03 | 1    | Pedal-Traction          |
| 17   | 256-243     | 2    | Bearing-Flange          |

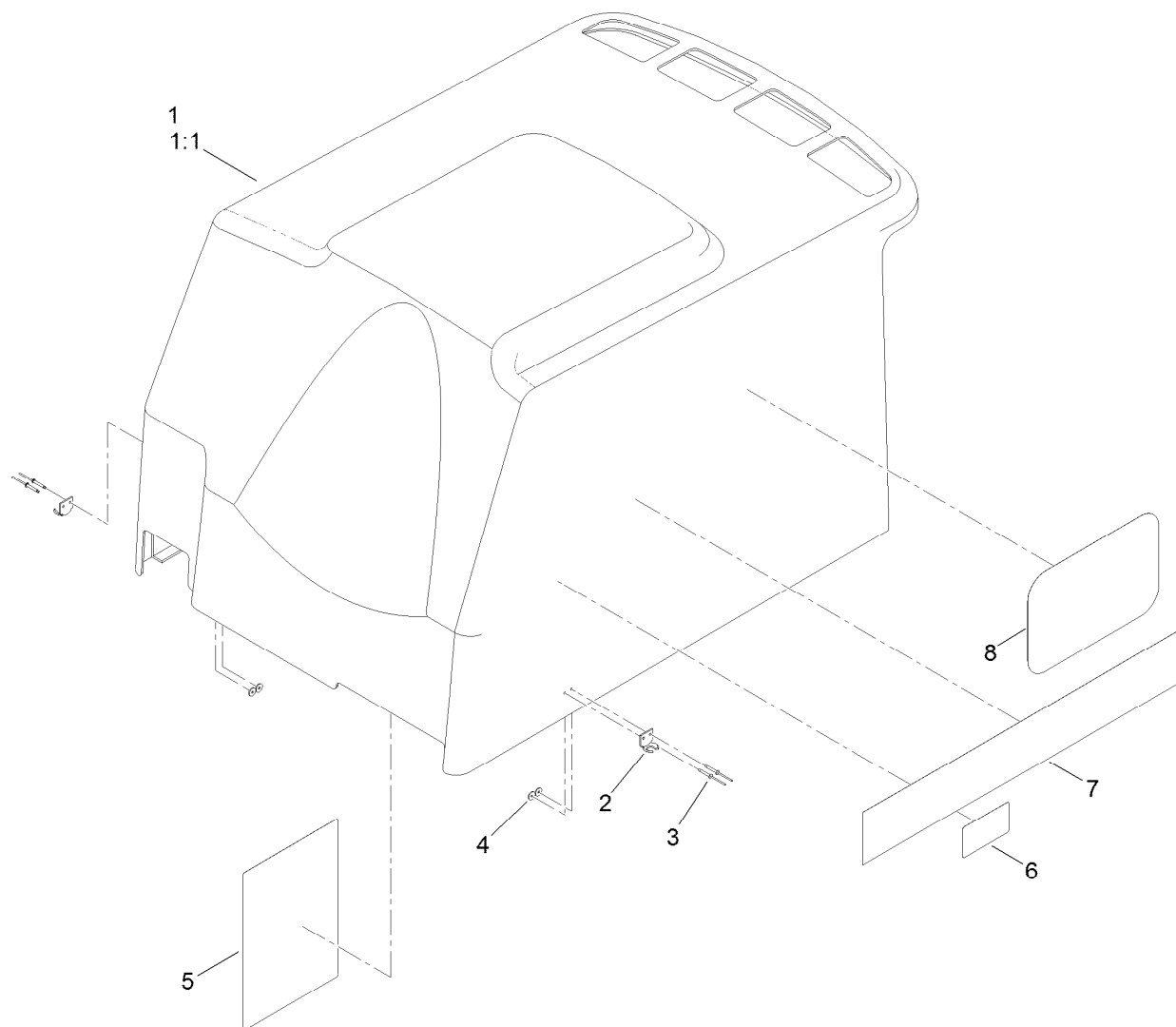
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 18   | 99-3379     | 1    | Pedal-Reverse ASM  |
| 18:2 | 256-243     | 2    | Bearing-Flange     |
| 19   | 74-9110     | 1    | Pad-Pedal, Reverse |
| 20   | 75-5470     | 1    | Spacer-Bearing     |
| 21   | 99-3476     | 1    | Spring-Extension   |
| 22   | 251-259     | 1    | Bearing-Ball       |
| 23   | 322-7       | 1    | Screw-HH           |
| 24   | 3296-47     | 3    | Nut-Lock,NI        |
| 25   | 32151-3     | 1    | Ring-Grip          |
| 26   | 302-5       | 1    | Fitting-Grease     |
| 27   | 3230-27     | 1    | Screw-CARR         |
| 28   | 321-10      | 1    | Screw-HH           |
| 29   | 33093-00    | 3    | Washer-Flat        |
| 30   | 99-3545     | 1    | Spacer             |
| 31   | 3256-22     | 1    | Washer-Flat        |
| 32   | 73-0040     | 4    | Washer-Thrust      |
| 33   | 3230-23     | 2    | Bolt-CARR          |
| 34   | 3256-24     | 1    | Washer-Flat        |



## Hood Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 3234-4      | 6    | Screw-HHF           |
| 2    | 100-4932    | 1    | Trim-Seal           |
| 3    | 3296-42     | 6    | Nut-Lock, NI        |
| 4    | 104-4853-03 | 1    | Screen-Hood         |
| 5    | 121-3632    | 1    | Hood ASM            |
| 6    | 95-8728     | 2    | Bracket-Pivot, Hood |
| 7    | 3256-24     | 4    | Washer-Flat         |
| 8    | 59-9740     | 2    | Flex Draw Latch ASM |
| 8:2  | 249-40      | 1    | Keeper              |
| 10   | 3290-55     | 4    | Rivet-Pop           |

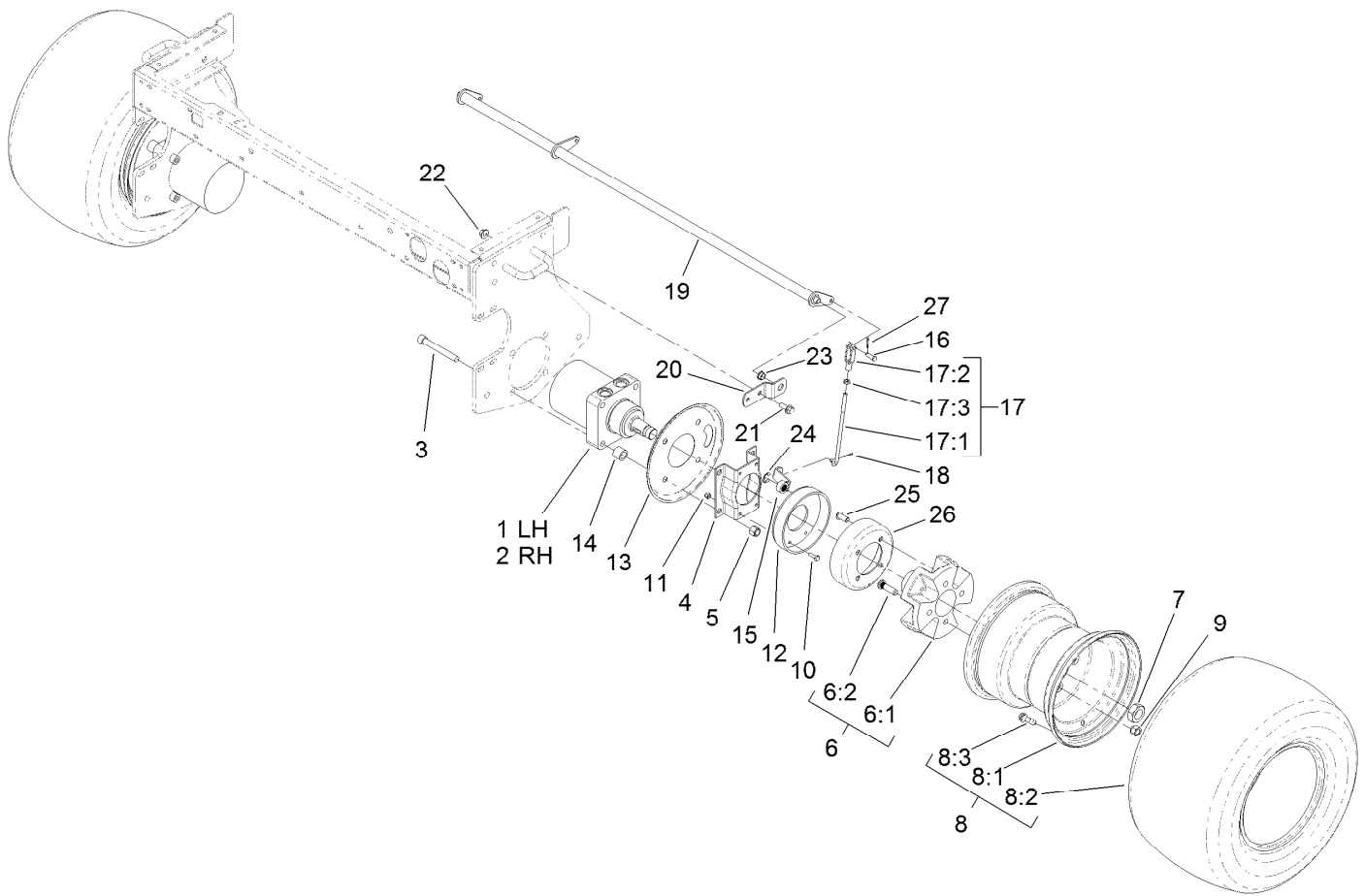
| Ref. | Part Number | Qty. | Description  |
|------|-------------|------|--------------|
| 11   | 3269-10     | 4    | Washer-Back  |
| 13   | 323-6       | 4    | Screw-HH     |
| 14   | 3290-467    | 1    | Pin-Hair     |
| 16   | 3269-21     | 2    | Rivet-Pop    |
| 17   | 119-2004    | 1    | CE Latch Kit |
| 17:2 | 107-0333    | 2    | Rivet-Pop    |
| 17:3 | 322-10      | 1    | Screw-HH     |
| 17:4 | 3296-47     | 1    | Nut-Lock,NI  |
| 17:5 | 3269-10     | 2    | Washer-Back  |



## Hood Assembly No. 121-3632

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 121-3507    | 1    | Hood ASM               |
| 1:1  | 106-8115    | 1    | Heat Tape Repair Kit ● |
| 2    | 249-40      | 2    | Keeper                 |
| 3    | 107-0333    | 4    | Rivet-Pop              |
| 4    | 3269-10     | 4    | Washer-Back            |
| 5    | 138-6977    | 1    | Decal-Service, Gm3500  |
| 6    | 117-3270    | 1    | Decal-Danger           |
| 7    | 121-3541    | 2    | Decal-Hood             |
| 8    | 66-6140     | 2    | Decal                  |

● Not illustrated

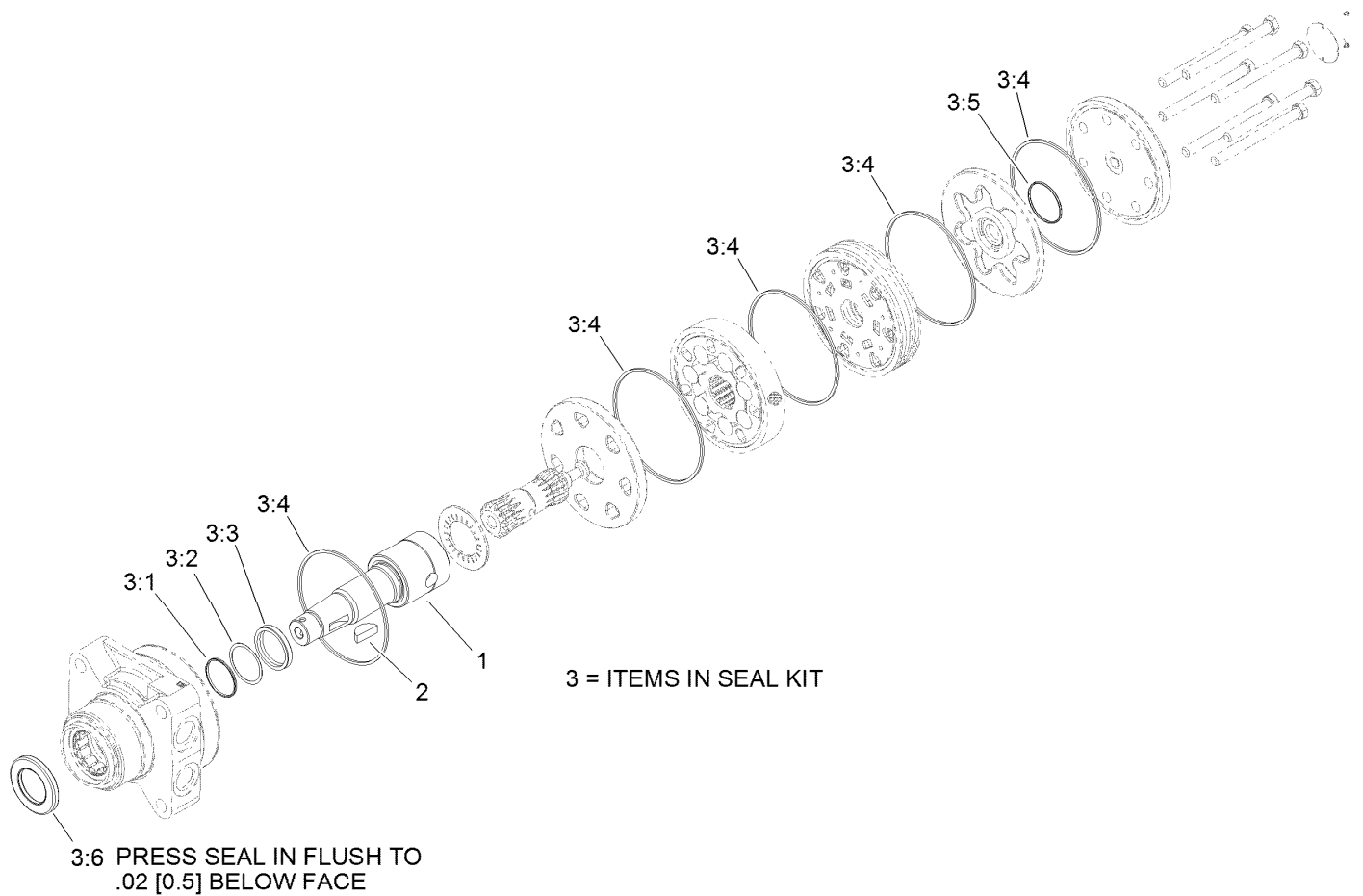


## Wheel Motor and Brake Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-8785    | 1    | HYD Motor ASM (CCW)  |
| 2    | 110-8786    | 1    | HYD Motor ASM (CW)   |
| 3    | 3274-99     | 8    | Screw-HSH            |
| 4    | 84-2000-03  | 2    | Bracket-Brake        |
| 5    | 3296-23     | 8    | Nut-Lock, NI         |
| 6    |             | 2    | Wheel Hub/Stud ASM ● |
| 6:1  | 104-0462    | 1    | Hub-Wheel, Spacer    |
| 6:2  | 10-6830     | 4    | Stud-Type, Drive     |
| 7    | 26-3790     | 2    | Nut-Lock             |
| 8    |             | 2    | Tire And Rim ASM ●   |
| 8:1  | 121-3548    | 1    | Rim                  |
| 8:2  | 117-5125    | 1    | Tire                 |
| 8:3  | 232-27      | 1    | Stem-Valve           |
| 9    | 242-50      | 8    | Nut-Lug              |
| 10   | 321-5       | 8    | Screw-HH             |
| 11   | 3296-42     | 8    | Nut-Lock, NI         |
| 12   | 104-7705    | 2    | Brake ASM            |
| 13   | 104-0485-03 | 2    | Shield-Wheel         |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 14   | 119-8238    | 8    | Spacer-Deck Pulley   |
| 15   | 114-2726    | 2    | Lever-Brake          |
| 16   | 283-1       | 2    | Pin-Clevis           |
| 17   | 115-6672    | 2    | Brake Lever ASM      |
| 17:1 | 104-4627    | 1    | Rod-Adjusting        |
| 17:2 | 1-303105    | 1    | Yoke-Adjustable      |
| 17:3 | 3220-2      | 1    | Nut-Jam              |
| 18   | 3272-6      | 2    | Pin-Cotter           |
| 19   | 104-4625-03 | 1    | Shaft-Pivot, Brake   |
| 20   | 95-8683     | 2    | Bracket-Pivot, Brake |
| 21   | 3234-11     | 4    | Screw-HHF            |
| 22   | 32128-43    | 4    | Nut-Flange           |
| 23   | 256-156     | 2    | Bushing-Flange       |
| 24   | 104-7706    | 2    | E-Ring, Bowed        |
| 25   | 3274-105    | 8    | Screw-HSBH           |
| 26   | 104-4809    | 2    | Drum-Brake           |
| 27   | 3272-10     | 2    | Pin-Cotter           |

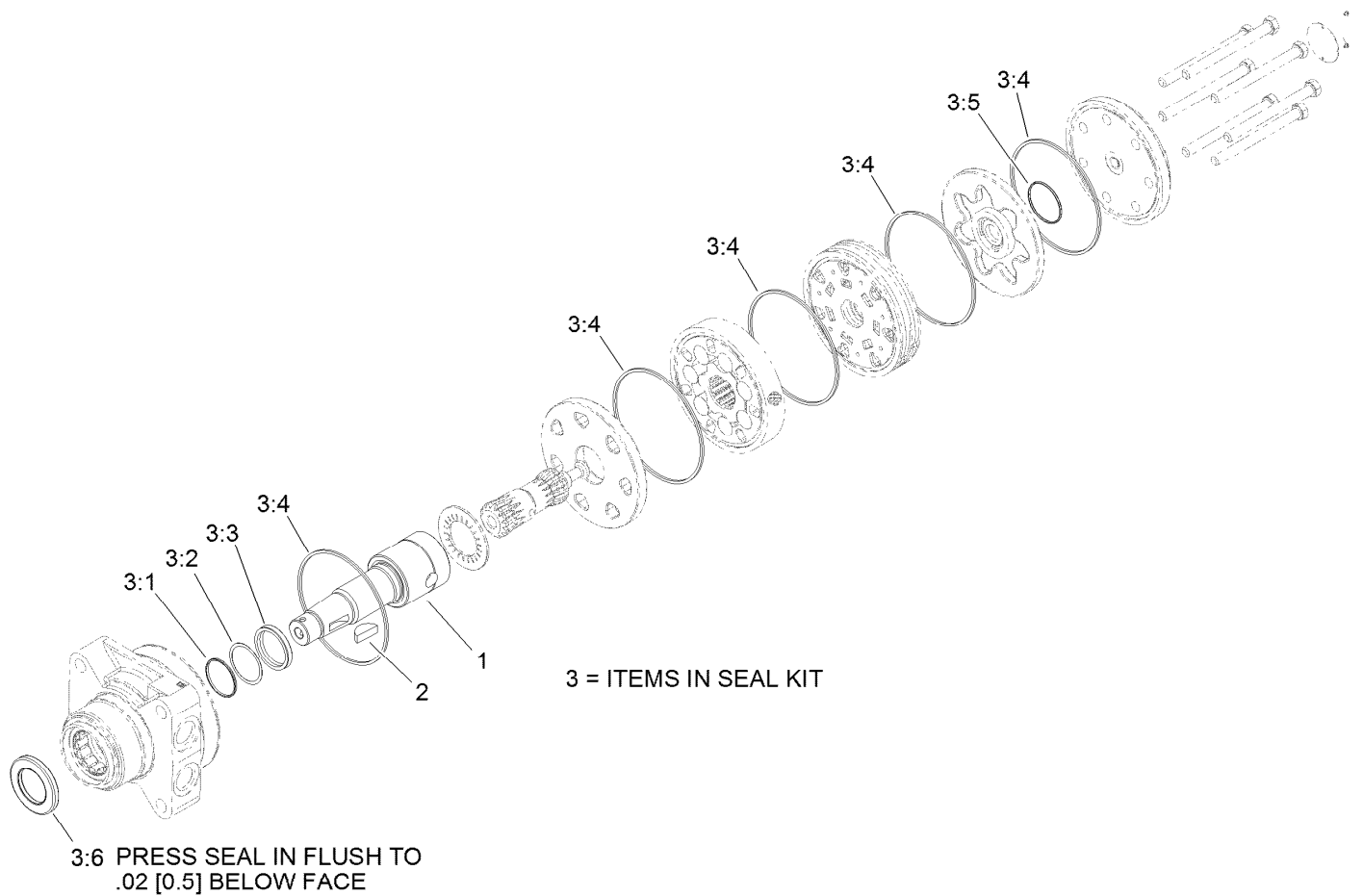
● Not serviced separately



## Hydraulic Motor Assembly No. 110-8786

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 3257-42     | 1    | Key-Woodruff          |
| 2    | 99-3090     | 1    | Shaft-Coupling        |
| 3    | 100-6131    | 1    | Seal Kit              |
| 3:1  |             | 1    | Ring-Back Up ●        |
| 3:2  |             | 1    | Washer-Back Up ●      |
| 3:3  |             | 1    | Seal-Shaft ●          |
| 3:4  |             | 5    | Seal-Ring ●           |
| 3:5  |             | 1    | Seal-Commutator ●     |
| 3:6  |             | 1    | Seal-Dirt And Water ● |

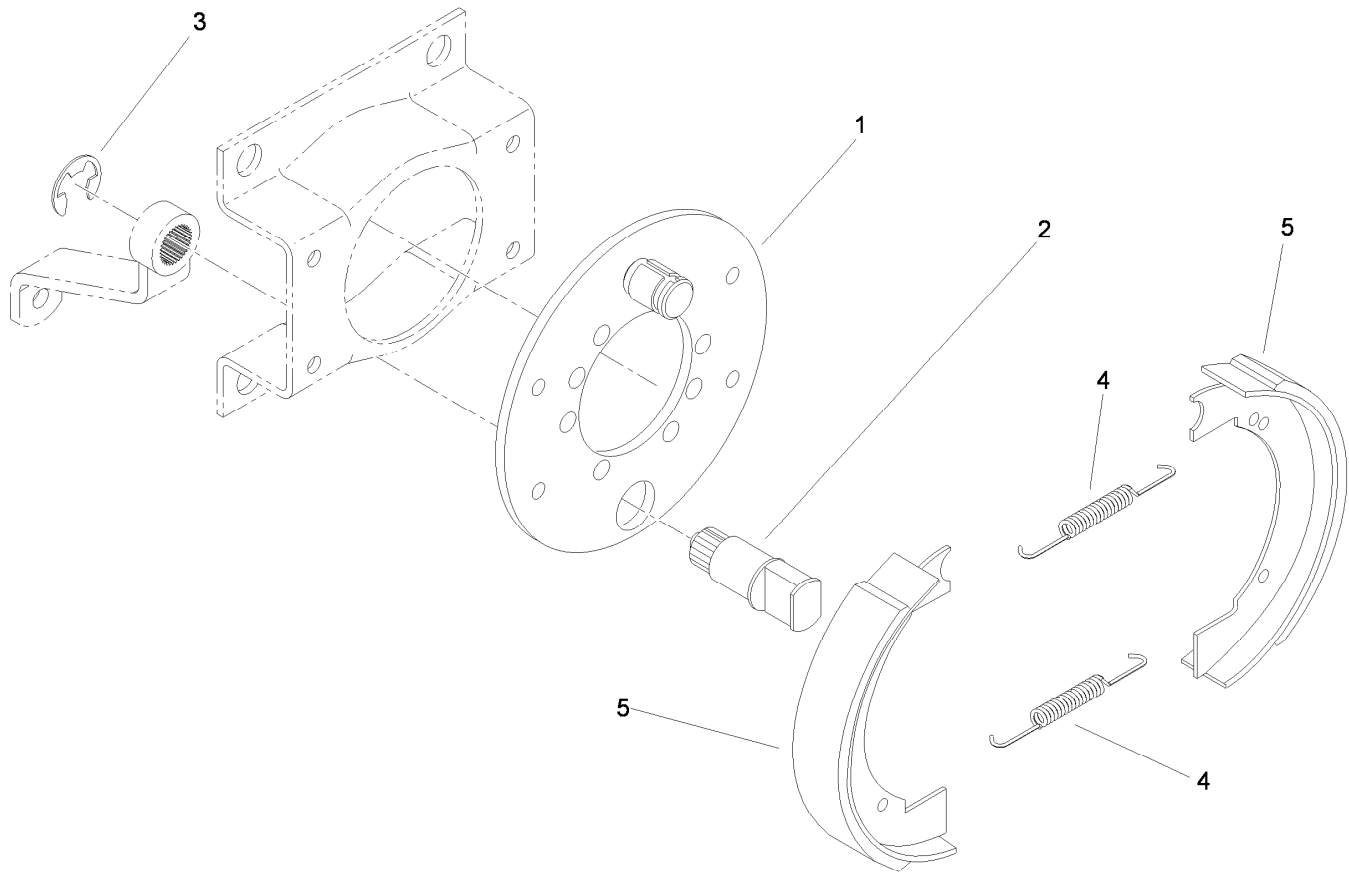
● Not serviced separately



## Hydraulic Motor Assembly No. 110-8785

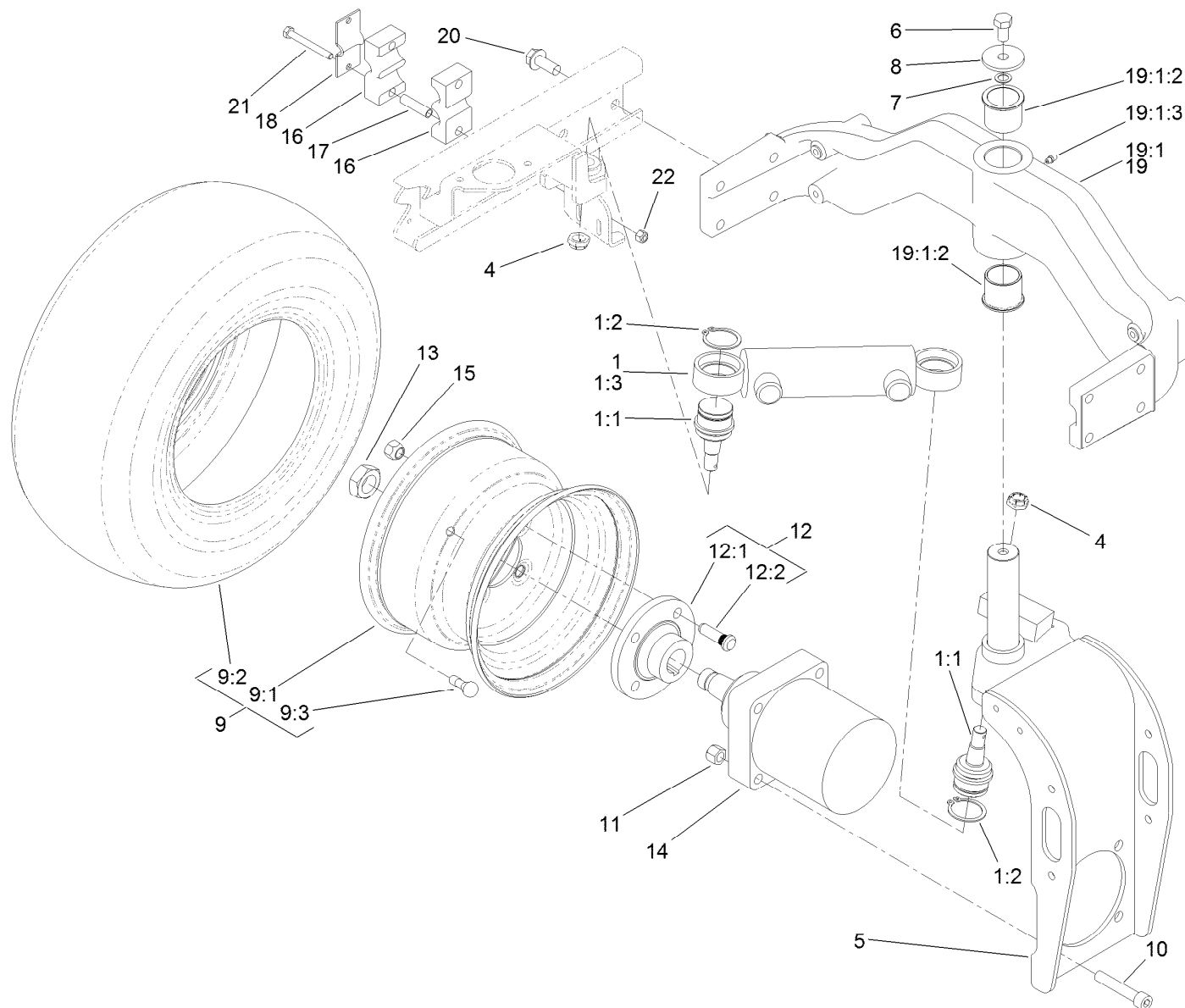
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 3257-42     | 1    | Key-Woodruff          |
| 2    | 99-3090     | 1    | Shaft-Coupling        |
| 3    | 100-6131    | 1    | Seal Kit              |
| 3:1  |             | 1    | Ring-Back Up ●        |
| 3:2  |             | 1    | Washer-Back Up ●      |
| 3:3  |             | 1    | Seal-Shaft ●          |
| 3:4  |             | 5    | Seal-Ring ●           |
| 3:5  |             | 1    | Seal-Commutator ●     |
| 3:6  |             | 1    | Seal-Dirt And Water ● |

● Not serviced separately



## Brake Assembly No. 104-7705

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 70-9870     | 1    | Plate-Backing    |
| 2    | 104-7707    | 1    | Shaft-Cam, Brake |
| 3    | 104-7706    | 1    | E-Ring, Bowed    |
| 4    | 70-9880     | 2    | Spring-Return    |
| 5    | 70-9840     | 2    | Shoe-Brake       |

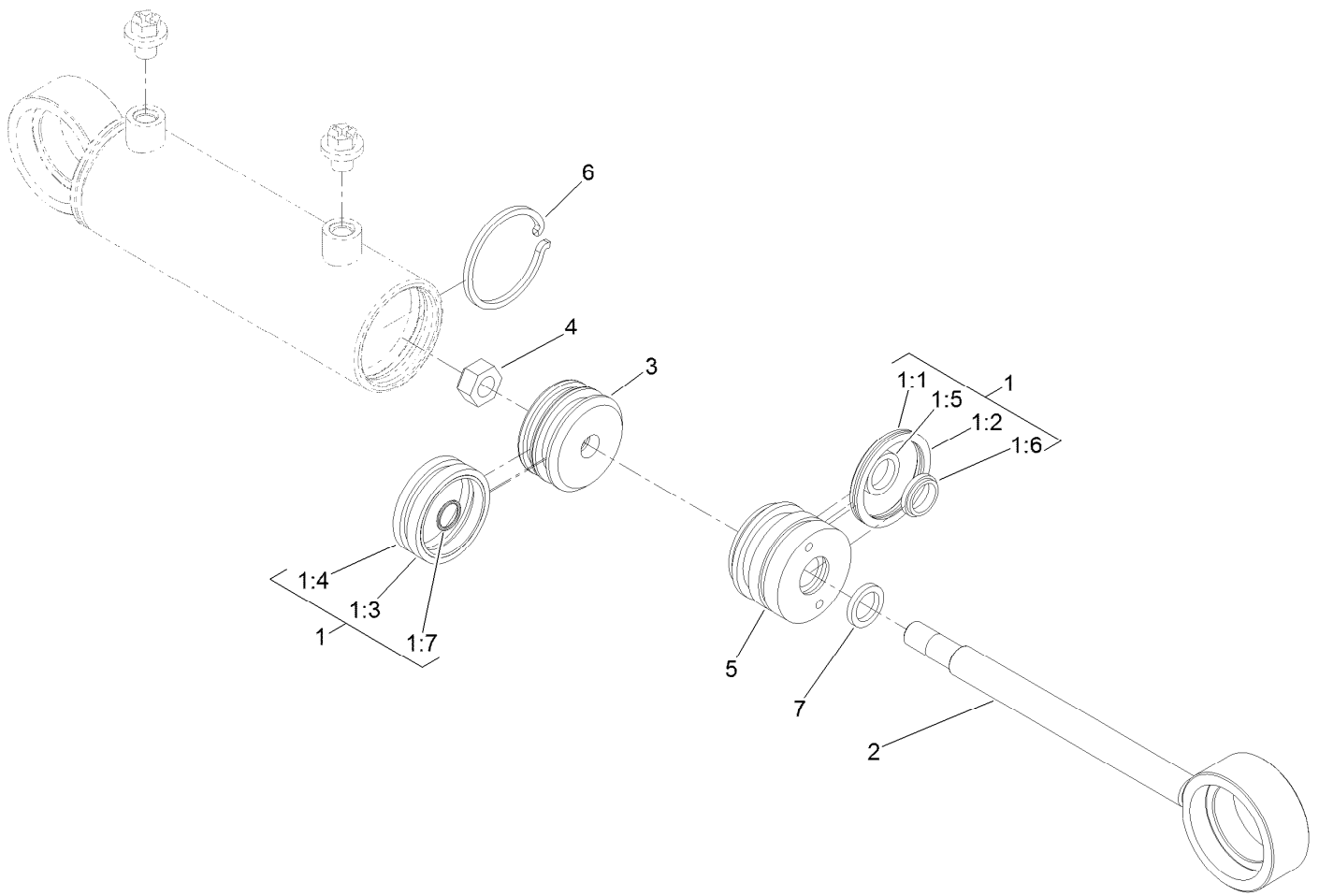


## Rear Fork and Wheel Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    |             | 1    | Steering Cylinder ASM ●  |
| 1:1  | 121-3605    | 2    | Ball Joint               |
| 1:2  | 32151-104   | 2    | Ring-Retaining, External |
| 1:3  | 121-3653    | 1    | Cylinder-HYD             |
| 4    | 121-3611    | 2    | Nut-Hex, Flextop         |
| 5    | 95-8905-01  | 1    | Fork-Rear                |
| 6    | 325-3       | 1    | Screw-HH                 |
| 7    | 3255-2      | 1    | Washer-Lock, EXT         |
| 8    | 75-7730     | 1    | Washer-Thrust            |
| 9    |             | 1    | Wheel And Tire ASM ●     |
| 9:1  | 117-5129    | 1    | Rim                      |
| 9:2  | 115-1572    | 1    | Tire                     |
| 9:3  | 232-27      | 1    | Stem-Valve               |
| 10   | 3274-93     | 4    | Screw-HSH                |
| 11   | 3296-23     | 4    | Nut-Lock, NI             |
| 12   |             | 1    | Wheel Hub/Stud ASM ●     |

| Ref.   | Part Number | Qty. | Description        |
|--------|-------------|------|--------------------|
| 12:1   | 10-6870-03  | 1    | Hub-Wheel          |
| 12:2   | 10-6830     | 4    | Stud-Type, Drive   |
| 13     | 26-3790     | 1    | Nut-Lock           |
| 14     | 95-8694     | 1    | HYD Motor ASM      |
| 15     | 242-50      | 4    | Nut-Lug            |
| 16     | 82-8170     | 2    | Clamp              |
| 17     | 93-7960     | 2    | Spacer             |
| 18     | 93-7961     | 1    | Clamp-Drain, Case  |
| 19     | 107-7828-03 | 1    | Casting-Rear       |
| 19:1   |             | 1    | Rear Casting ASM ● |
| 19:1:2 | 95-8805     | 2    | Bushing            |
| 19:1:3 | 302-5       | 1    | Fitting-Grease     |
| 20     | 3234-38     | 8    | Screw-HHF          |
| 21     | 322-13      | 2    | Screw-HH           |
| 22     | 3296-29     | 2    | Nut-Lock, NI       |

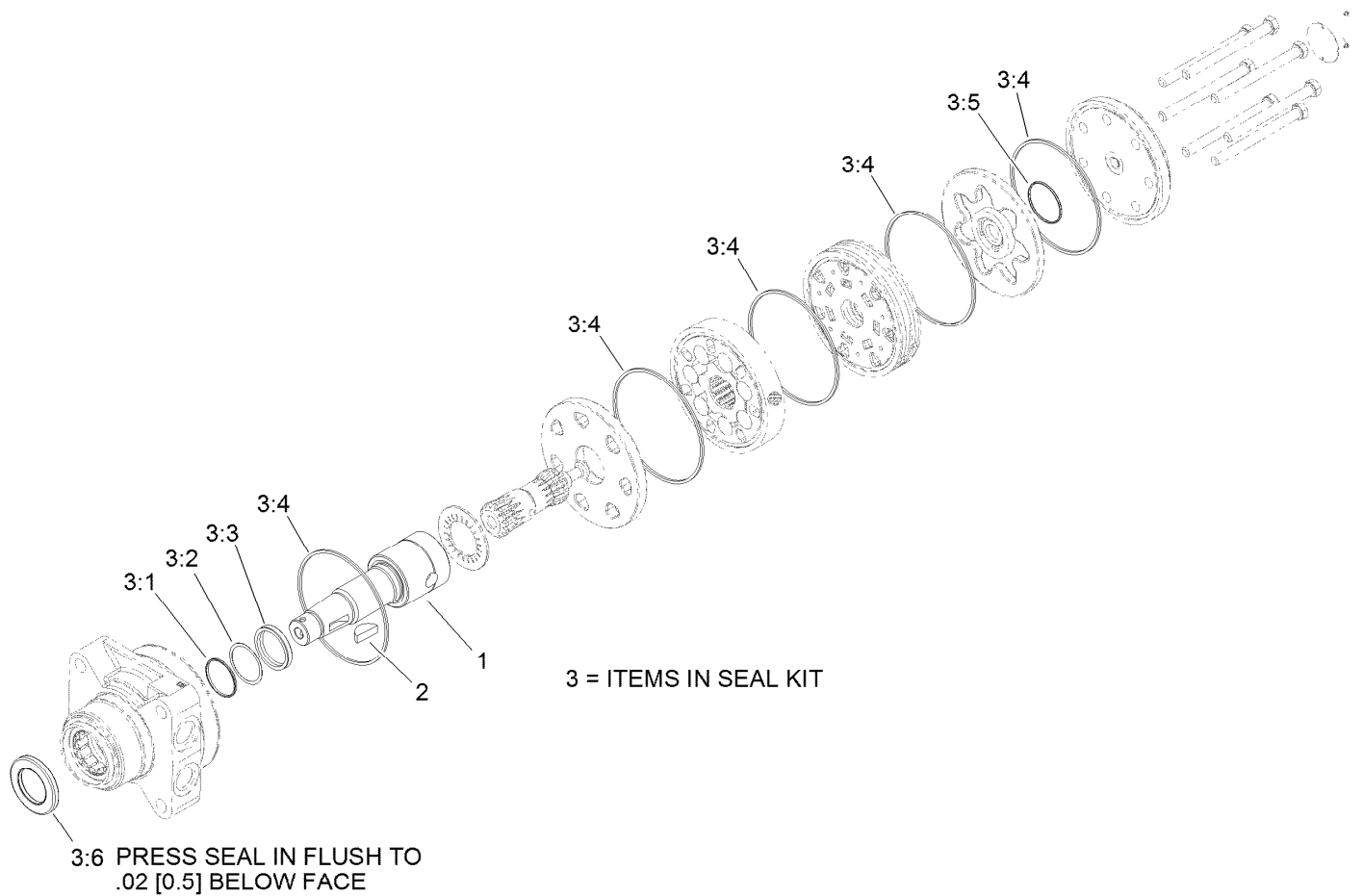
● Not serviced separately



## Hydraulic Cylinder Assembly No. 121-3653

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 136-3278    | 1    | Seal Kit         |
| 1:1  |             | 1    | O-Ring ●         |
| 1:2  |             | 1    | Backup ●         |
| 1:3  |             | 1    | Psp Seal ●       |
| 1:4  |             | 1    | Wear Ring ●      |
| 1:5  |             | 1    | Bt Seal ●        |
| 1:6  |             | 1    | Dust Seal ●      |
| 1:7  |             | 1    | O-Ring ●         |
| 2    |             | 1    | Rod ●            |
| 3    |             | 1    | Piston ●         |
| 4    |             | 1    | Head ●           |
| 5    |             | 1    | Lock Nut ●       |
| 6    |             | 1    | Retaining Ring ● |
| 7    |             | 1    | Square O-Ring ●  |

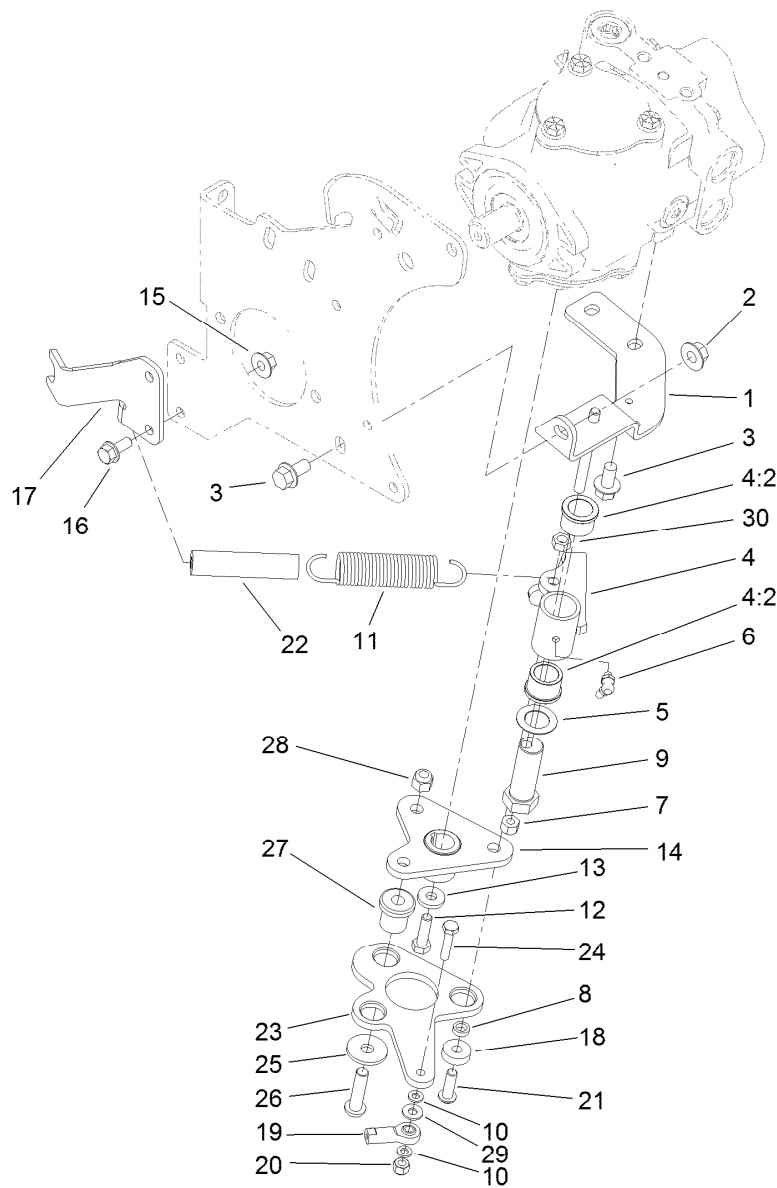
● Not serviced separately



## Hydraulic Motor Assembly No. 95-8694

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 99-3090     | 1    | Shaft-Coupling        |
| 2    | 3257-42     | 1    | Key-Woodruff          |
| 3    | 100-6131    | 1    | Seal Kit              |
| 3:1  |             | 1    | Ring-Back Up ●        |
| 3:2  |             | 1    | Washer-Back Up ●      |
| 3:3  |             | 1    | Seal-Shaft ●          |
| 3:4  |             | 5    | Seal-Ring ●           |
| 3:5  |             | 1    | Seal-Commutator ●     |
| 3:6  |             | 1    | Seal-Dirt And Water ● |

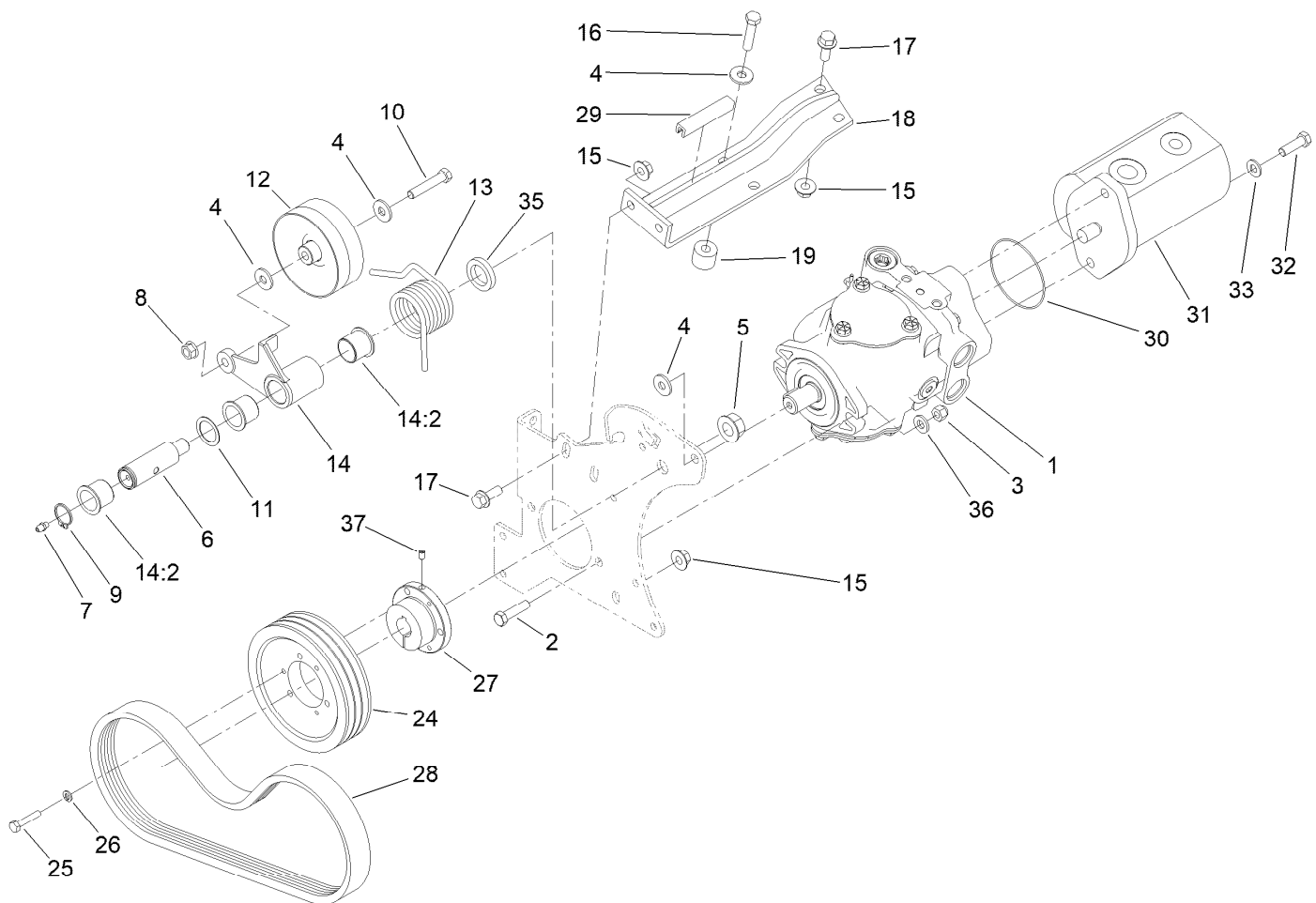
● Not serviced separately



## Neutral Arm Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 95-8960-03  | 1    | Bracket-Neutral  |
| 2    | 32128-43    | 1    | Nut-Flange       |
| 3    | 3234-1      | 3    | Screw-HHF        |
| 4    | 104-0422    | 1    | Neutral Arm ASM  |
| 4:2  | 256-113     | 2    | Bushing-Flange   |
| 5    | 3-6498      | 1    | Washer-Thrust    |
| 6    | 302-60      | 1    | Fitting-Grease   |
| 7    | 3296-29     | 1    | Nut-Lock, NI     |
| 8    | 100-4817    | 1    | Spacer           |
| 9    | 76-8640     | 1    | Stud-Traction    |
| 10   | 33093-00    | 2    | Washer-Flat      |
| 11   | 94-1369     | 1    | Spring-Extension |
| 12   | 3210-6      | 1    | Screw-HH         |
| 13   | 88-7200     | 1    | Washer-Flat      |
| 14   | 120-5566    | 1    | Hub              |
| 15   | 32128-44    | 2    | Nut              |

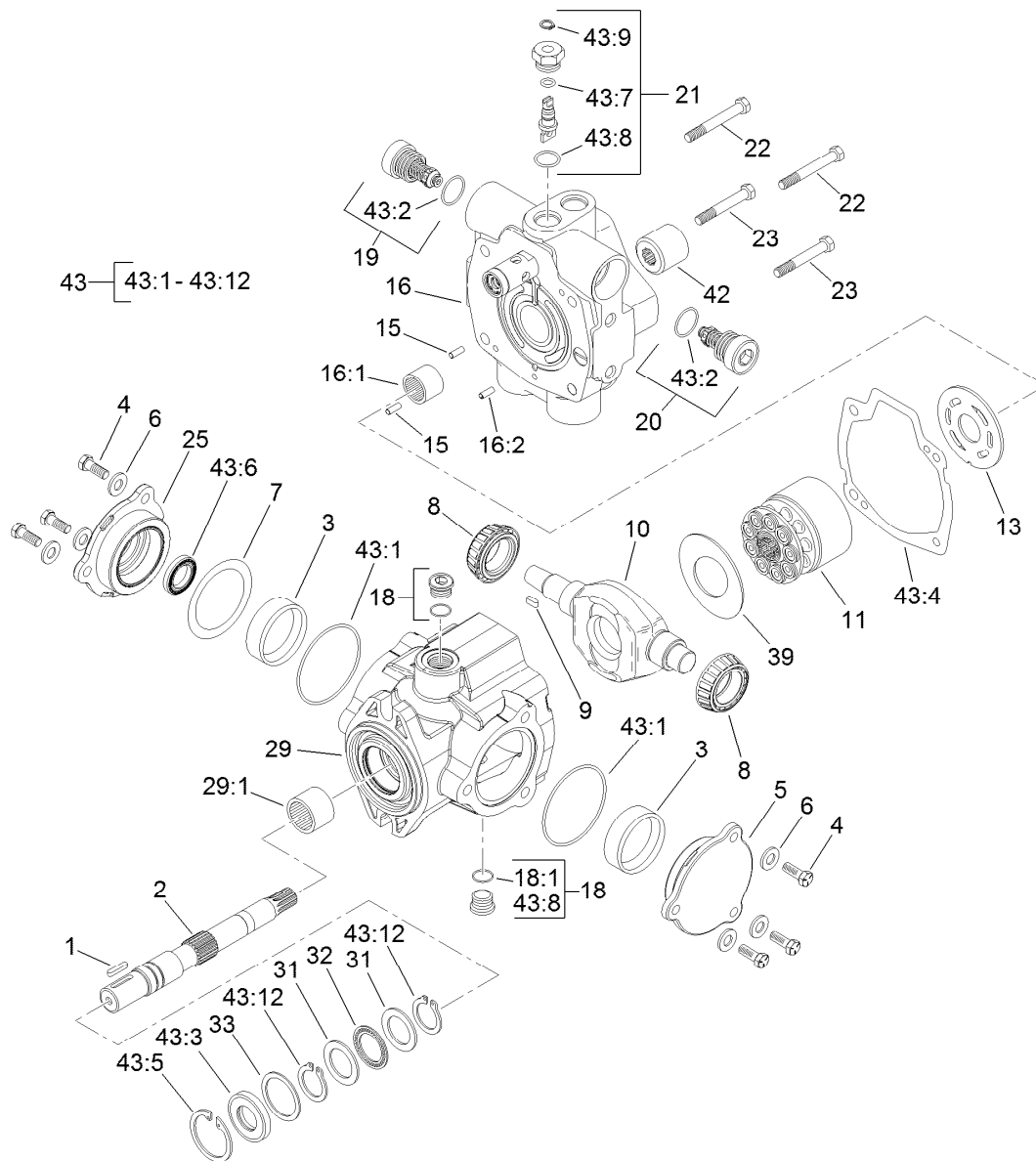
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 16   | 3234-5      | 2    | Screw-HHF              |
| 17   | 120-3534-03 | 1    | Bracket-Support, Cable |
| 18   | 251-259     | 1    | Bearing-Ball           |
| 19   | 2411-41     | 1    | Rod End-Ball Joint     |
| 20   | 3296-42     | 1    | Nut-Lock, NI           |
| 21   | 3274-104    | 1    | Screw-HSBH             |
| 22   | 99-3556     | 1    | Hose                   |
| 23   | 120-3533-03 | 1    | Lever-Pump             |
| 24   | 321-8       | 1    | Screw-HH               |
| 25   | 2844        | 3    | Washer                 |
| 26   | 95-3857     | 3    | Screw-HSBH             |
| 27   | 63-9750     | 3    | Mount                  |
| 28   | 3296-39     | 3    | Nut-Lock, NI           |
| 29   | 3256-22     | 1    | Washer-Flat            |
| 30   | 32153-3     | 1    | Nut-Hex, Side Deform   |



## Gear Pump and Piston Pump Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 104-4890    | 1    | Piston Pump ASM    |
| 2    | 323-8       | 2    | Screw-HH           |
| 3    | 3296-39     | 2    | Nut-Lock, NI       |
| 4    | 80-6990     | 4    | Washer-Hardened    |
| 5    | 32128-54    | 1    | Nut-HF             |
| 6    | 99-3624     | 1    | Shaft-Pivot, Idler |
| 7    | 302-5       | 1    | Fitting-Grease     |
| 8    | 32128-21    | 1    | Nut-HF Lock        |
| 9    | 32151-36    | 1    | Ring-Retaining     |
| 10   | 323-10      | 1    | Screw-HH           |
| 11   | 74-1810     | 1    | Washer             |
| 12   | 107-7834    | 1    | Pulley-Idler       |
| 13   | 115-3488    | 1    | Spring-Torsion     |
| 14   | 137-1653    | 1    | Idler Arm ASM      |
| 14:2 | 126-1963    | 2    | Bushing-Pivot      |
| 15   | 32128-43    | 4    | Nut-Flange         |
| 16   | 323-19      | 2    | Screw-HH           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 17   | 3234-11     | 4    | Screw-HHF           |
| 18   | 99-3436-03  | 1    | Support-Pump        |
| 19   | 99-3440     | 2    | Spacer              |
| 24   | 120-3350    | 1    | Pulley-3V           |
| 25   | 321-13      | 3    | Screw-HH            |
| 26   | 3253-3      | 3    | Washer-Lock         |
| 27   | 100-4813    | 1    | Bushing-Lock, Taper |
| 28   | 120-3351    | 1    | Belt-3V             |
| 29   | 70-2041     | 1    | Trim                |
| 30   | 353-949     | 1    | O-Ring              |
| 31   | 108-9036    | 1    | HYD Gear Pump ASM   |
| 32   | 323-7       | 2    | Screw-HH            |
| 33   | 3256-24     | 2    | Washer-Flat         |
| 35   | 99-3625     | 1    | Spacer-Arm, Idler   |
| 36   | 100-4852    | 2    | Washer-Hardened     |
| 37   | 3245-7      | 1    | Screw-Set           |



## Hydraulic Pump Assembly No. 104-4890

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 94-3645     | 1    | Key              |
| 2    | 94-6359     | 1    | Shaft-Drive      |
| 3    | 104-4046    | 2    | Bearing-Cup      |
| 4    | 98-4640     | 6    | Screw-Cap        |
| 5    | 98-4644     | 1    | Plate-Cover      |
| 6    | 105-9762    | 6    | Washer           |
| 7    | 100-3182    | 2    | Shim Kit         |
| 8    | 98-4639     | 2    | Bearing-Cone     |
| 9    | 94-3646     | 1    | Key              |
| 10   | 104-4888    | 1    | Swashplate       |
| 11   | 76-6070     | 1    | Rotating Kit     |
| 13   | 104-0429    | 1    | Plate-Valve      |
| 15   | 76-6150     | 2    | Pin-Dowel        |
| 16   | 105-3813    | 1    | Endcover Sub ASM |
| 16:1 | 94-6368     | 1    | Bearing          |
| 16:2 |             | 1    | Pin-Roll ■       |
| 18   | 74-9280     | 2    | Plug ASM         |
| 18:1 |             | 1    | O-Ring ■         |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 19   | 104-4889    | 1    | Relief Valve ASM  |
| 20   | 105-3812    | 1    | Valve-Check       |
| 21   | 105-3811    | 1    | Valve-Bypass      |
| 22   | 76-6170     | 2    | Capscrew          |
| 23   | 76-6160     | 2    | Capscrew          |
| 25   | 98-4645     | 1    | Plate-Cover       |
| 29   | 100-3176    | 1    | Housing ASM       |
| 29:1 | 94-6363     | 1    | Bearing           |
| 31   | 252-71      | 2    | Washer-Thrust     |
| 32   | 252-66      | 1    | Bearing-Thrust    |
| 33   | 33-3720     | 1    | Washer            |
| 39   | 98-4635     | 1    | Insert-Plate, Cam |
| 42   | 74-9040     | 1    | Coupler           |
| 43   | 120-5754    | 1    | Seal Kit          |
| 43:1 |             | 2    | O-Ring ■          |
| 43:2 |             | 2    | O-Ring ■          |
| 43:3 |             | 1    | Seal-Shaft ■      |
| 43:4 |             | 1    | Gasket ■          |

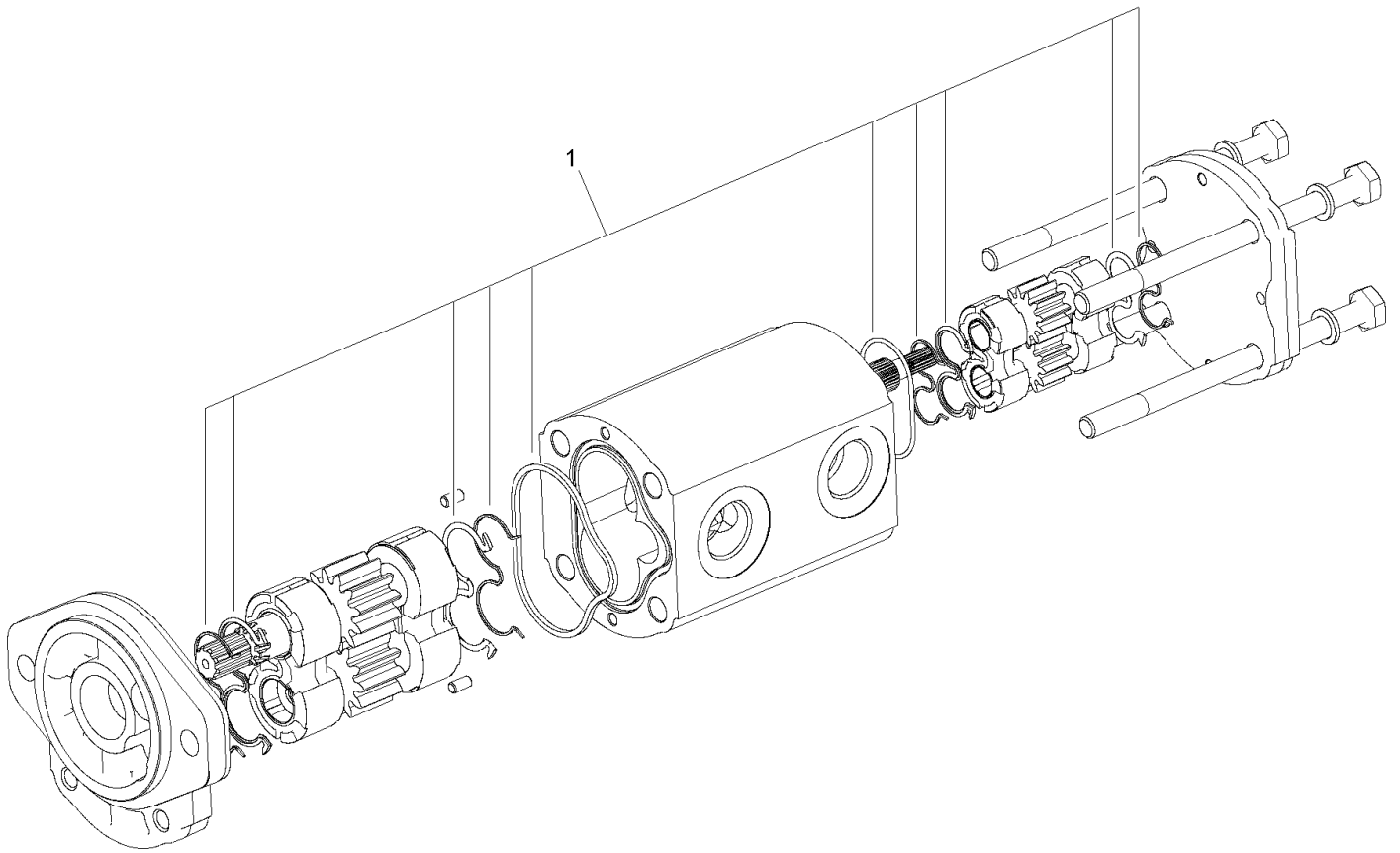
● Not illustrated

■ Not serviced separately



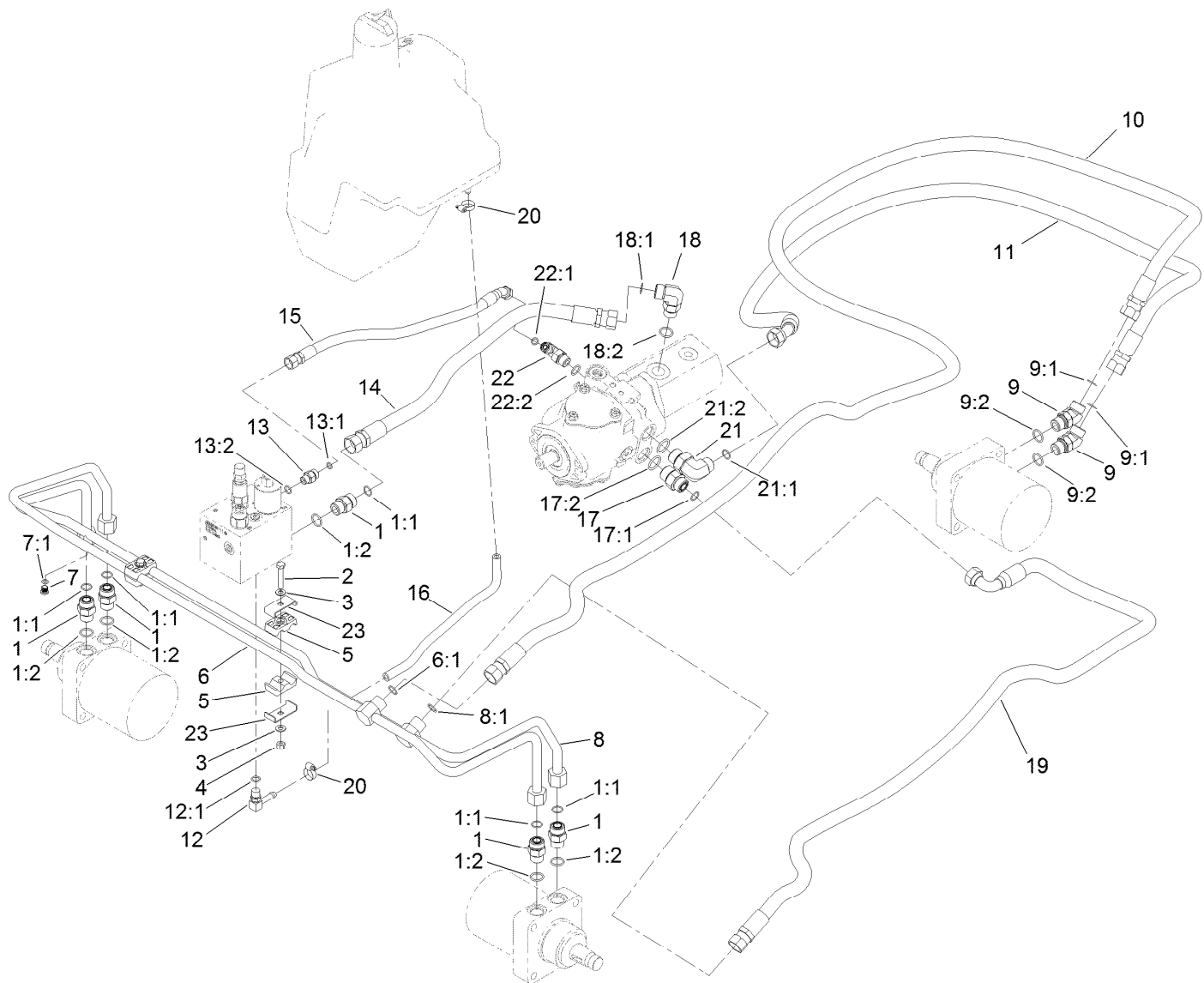
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 43:10       |                    | 1           | O-Ring ●■          |
| 43:11       |                    | 1           | O Ring-Molded ●■   |
| 43:12       |                    | 2           | Ring-Retaining ■   |
| 43:13       |                    | 1           | O-Ring ■●          |

■ Not serviced separately



## Hydraulic Gear Pump Assembly No. 108-9036

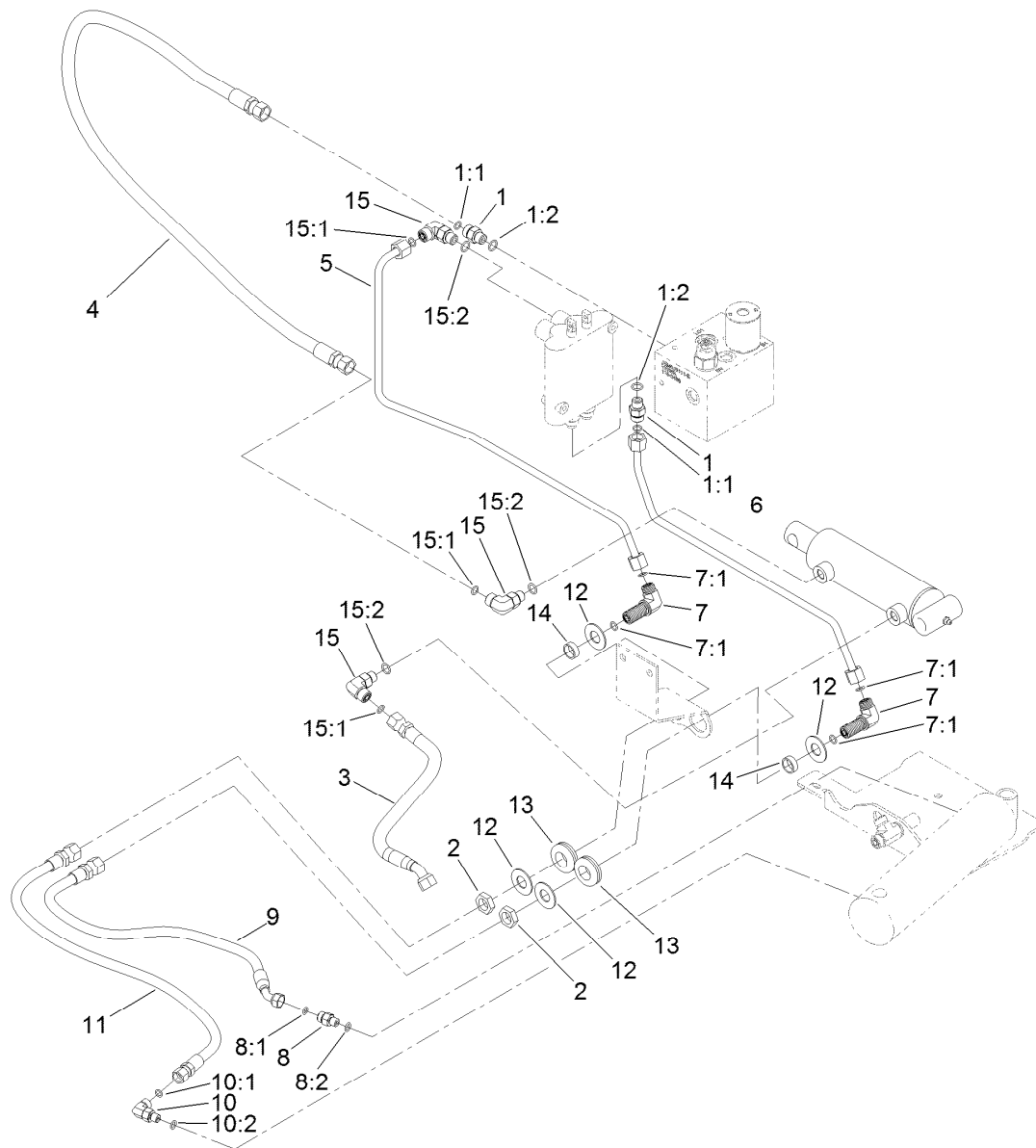
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 110-8755           | 1           | Seal Kit           |



## Traction Hydraulic Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 340-7       | 5    | Fitting-Straight    |
| 1:1  | 237-65      | 1    | O-Ring              |
| 1:2  | 237-80      | 1    | O-Ring              |
| 2    | 322-9       | 2    | Screw-HH            |
| 3    | 3256-23     | 4    | Washer-Plain        |
| 4    | 3296-29     | 2    | Nut-Lock, NI        |
| 5    | 56-7971     | 4    | Clamp-Tube          |
| 6    | 95-8783     | 1    | Tube ASM            |
| 6:1  | 237-65      | 1    | O-Ring              |
| 7    | 353-990     | 1    | Plug ASM            |
| 7:1  | 237-78      | 1    | O-Ring              |
| 8    | 95-8784     | 1    | Tube ASM            |
| 8:1  | 237-65      | 1    | O-Ring              |
| 9    | 340-14      | 2    | Fitting-HYD, 45 DEG |
| 9:1  | 237-65      | 1    | O-Ring              |
| 9:2  | 237-80      | 1    | O-Ring              |
| 10   | 105-1213    | 1    | Hose-HYD            |
| 11   | 105-1212    | 1    | Hose-HYD            |
| 12   | 100-4887    | 1    | Fitting-Elbow, 90   |
| 12:1 | 237-42      | 1    | O-Ring              |
| 13   | 340-2       | 1    | Fitting-Straight    |

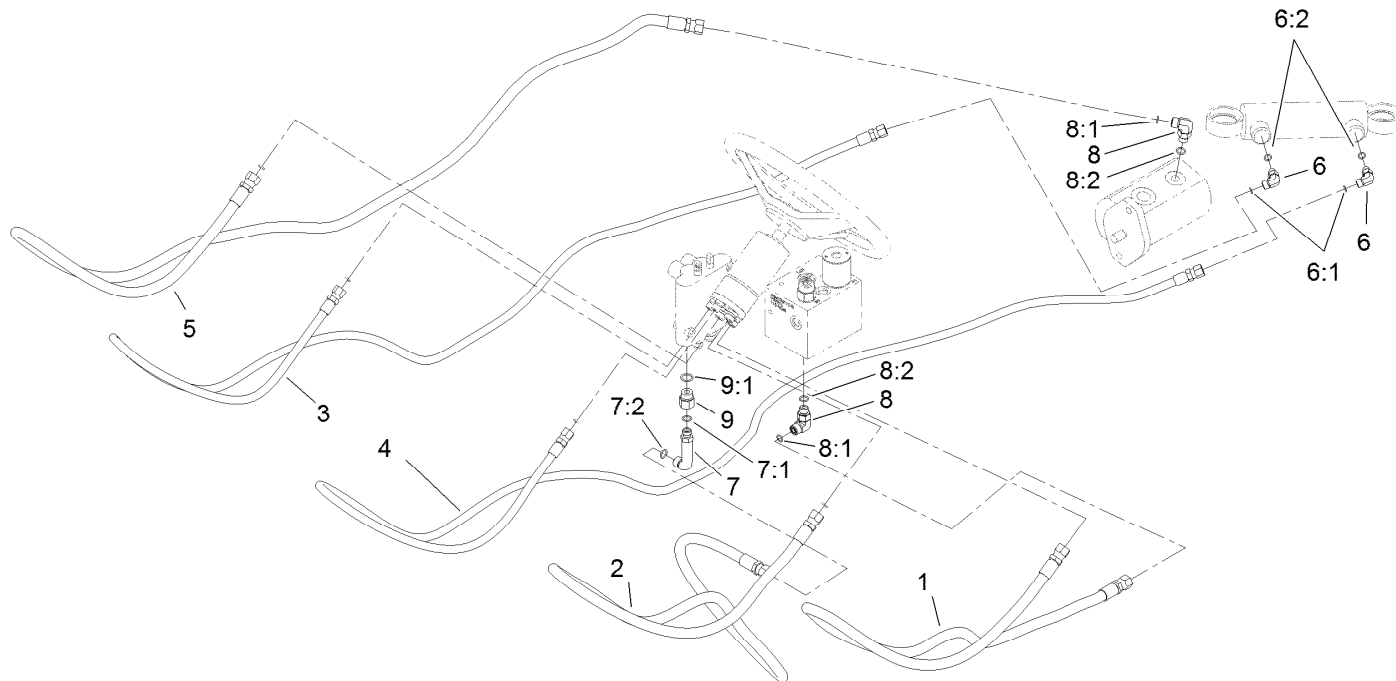
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 13:1 | 237-22      | 1    | O-Ring                |
| 13:2 | 237-42      | 1    | O-Ring                |
| 14   | 120-3538    | 1    | Hose-HYD              |
| 15   | 120-3539    | 1    | Hose-HYD              |
| 16   | 80-7342     | 1    | Hose-HYD              |
| 17   | 340-8       | 1    | Fitting-Straight      |
| 17:1 | 237-65      | 1    | O-Ring                |
| 17:2 | 237-81      | 1    | O-Ring                |
| 18   | 340-17      | 1    | Fitting-Elbow, 90 DEG |
| 18:1 | 237-65      | 1    | O-Ring                |
| 18:2 | 237-80      | 1    | O-Ring                |
| 19   | 105-1214    | 1    | Hose-HYD              |
| 20   | 2412-36     | 1    | Clamp-Hose            |
| 21   | 340-139     | 1    | Fitting-Elbow 90      |
| 21:1 | 237-81      | 1    | O-Ring                |
| 21:2 | 237-65      | 1    | O-Ring                |
| 22   | 340-18      | 1    | Fitting-HYD, 90 DEG   |
| 22:1 | 237-79      | 1    | O-Ring                |
| 22:2 | 237-22      | 1    | O-Ring                |
| 23   | 119-1419    | 4    | Plate-Clamp           |



## Lift Hydraulic Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 340-2       | 2    | Fitting-Straight     |
| 1:1  | 237-22      | 1    | O-Ring               |
| 1:2  | 237-42      | 1    | O-Ring               |
| 2    | 340-70      | 2    | Nut-Lock             |
| 3    | 104-0407    | 1    | Hose-HYD             |
| 4    | 100-4891    | 1    | Hose-HYD             |
| 5    | 95-8790     | 1    | Tube-HYD             |
| 6    | 95-8791     | 1    | Tube-HYD             |
| 7    | 340-154     | 2    | Union-Bulkhead       |
| 7:1  | 237-22      | 2    | O-Ring               |
| 8    | 85-9720     | 1    | Fitting-STR, Orifice |
| 8:1  | 237-78      | 1    | O-Ring               |

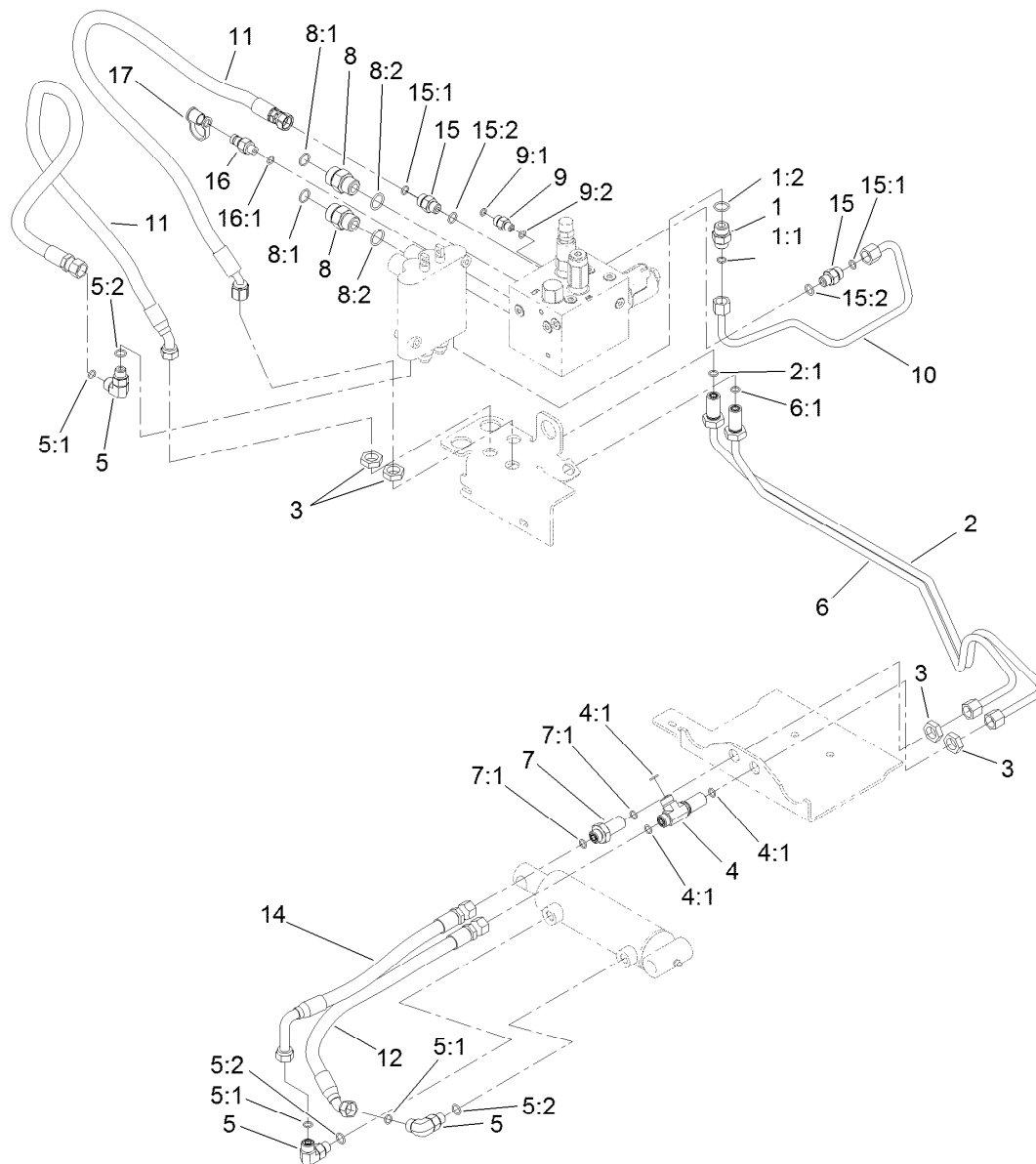
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 8:2  | 237-21      | 1    | O-Ring                |
| 9    | 95-8838     | 1    | Hose-HYD              |
| 10   | 340-132     | 1    | Fitting-Elbow, 90 DEG |
| 10:1 | 237-78      | 1    | O-Ring                |
| 10:2 | 237-21      | 1    | O-Ring                |
| 11   | 95-8839     | 1    | Hose-HYD              |
| 12   | 69-8940     | 4    | Washer                |
| 13   | 240-4       | 2    | Grommet-Rubber        |
| 14   | 69-8970     | 2    | Spacer                |
| 15   | 340-77      | 3    | Fitting-Elbow, 90 DEG |
| 15:1 | 237-22      | 1    | O-Ring                |
| 15:2 | 237-42      | 1    | O-Ring                |



## Steering Hydraulic Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 95-8842     | 1    | Hose-HYD              |
| 2    | 95-8843     | 1    | Hose-HYD              |
| 3    | 100-4892    | 1    | Hose-HYD              |
| 4    | 100-4893    | 1    | Hose-HYD              |
| 5    | 120-3542    | 1    | Hose-ASM              |
| 6    | 340-132     | 2    | Fitting-Elbow, 90 DEG |
| 6:1  | 237-78      | 1    | O-Ring                |
| 6:2  | 237-21      | 1    | O-Ring                |

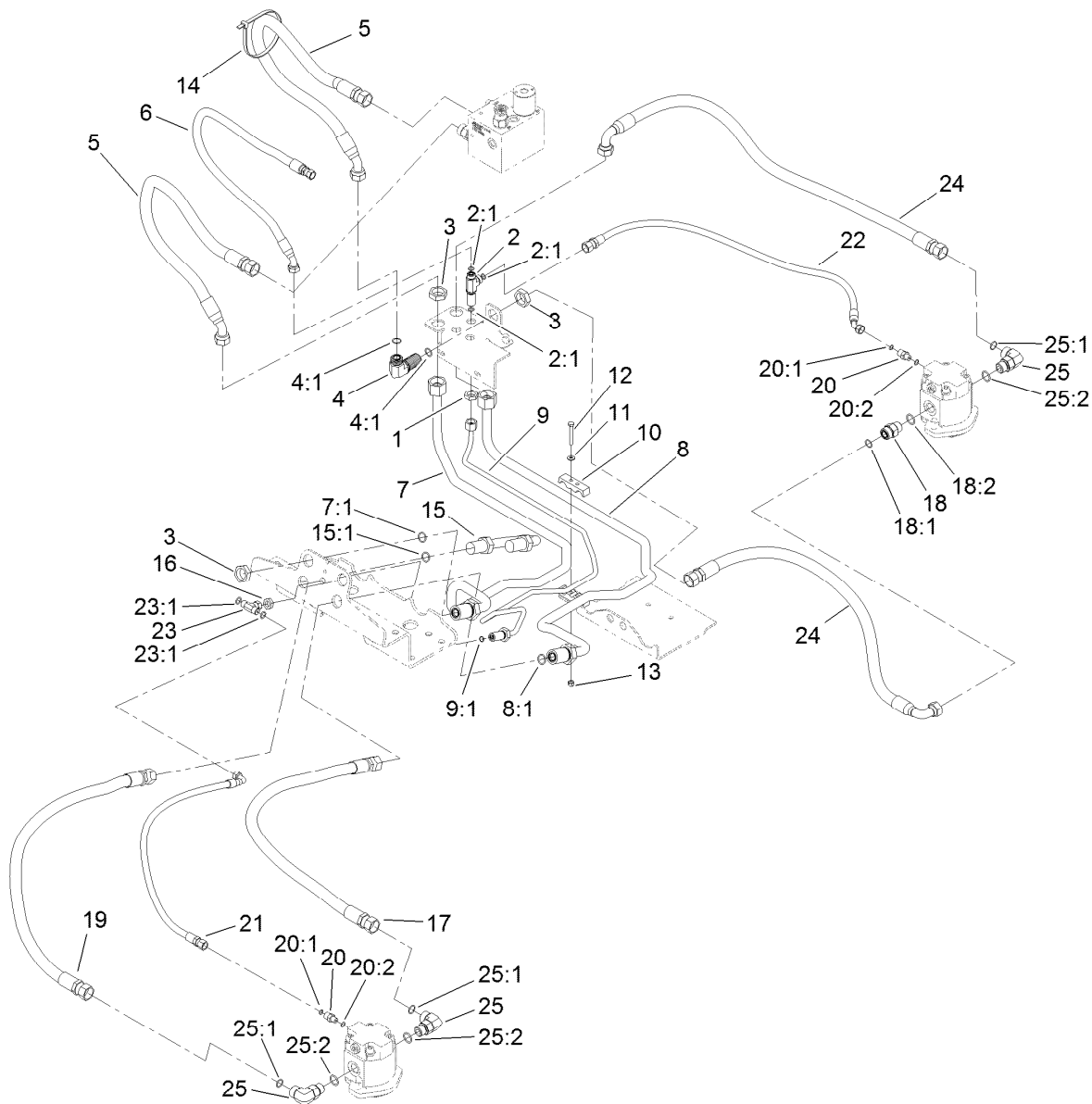
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 7    | 69-4320     | 1    | Fitting-HYD, 90 DEG   |
| 7:1  | 237-22      | 1    | O-Ring                |
| 7:2  | 237-42      | 1    | O-Ring                |
| 8    | 340-77      | 2    | Fitting-Elbow, 90 DEG |
| 8:1  | 237-22      | 1    | O-Ring                |
| 8:2  | 237-42      | 1    | O-Ring                |
| 9    | 353-397     | 1    | Reducer-Adapter       |
| 9:1  | 237-79      | 1    | O-Ring                |



## Sidewinder Hydraulic Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 340-3       | 1    | Fitting-Straight           |
| 1:1  | 237-22      | 1    | O-Ring                     |
| 1:2  | 237-79      | 1    | O-Ring                     |
| 2    | 104-0402    | 1    | Tube-HYD                   |
| 2:1  | 237-22      | 1    | O-Ring                     |
| 3    | 340-70      | 4    | Nut-Lock                   |
| 4    | 340-68      | 1    | Fitting-Tee, Bulkhead      |
| 4:1  | 237-22      | 3    | O-Ring                     |
| 5    | 340-77      | 3    | Fitting-Elbow, 90 DEG      |
| 5:1  | 237-22      | 1    | O-Ring                     |
| 5:2  | 237-42      | 1    | O-Ring                     |
| 6    | 104-0403    | 1    | Tube ASM                   |
| 6:1  | 237-22      | 1    | O-Ring                     |
| 7    | 340-71      | 1    | Fitting-Straight, Bulkhead |
| 7:1  | 237-22      | 2    | O-Ring                     |
| 8    | 340-7       | 2    | Fitting-Straight           |

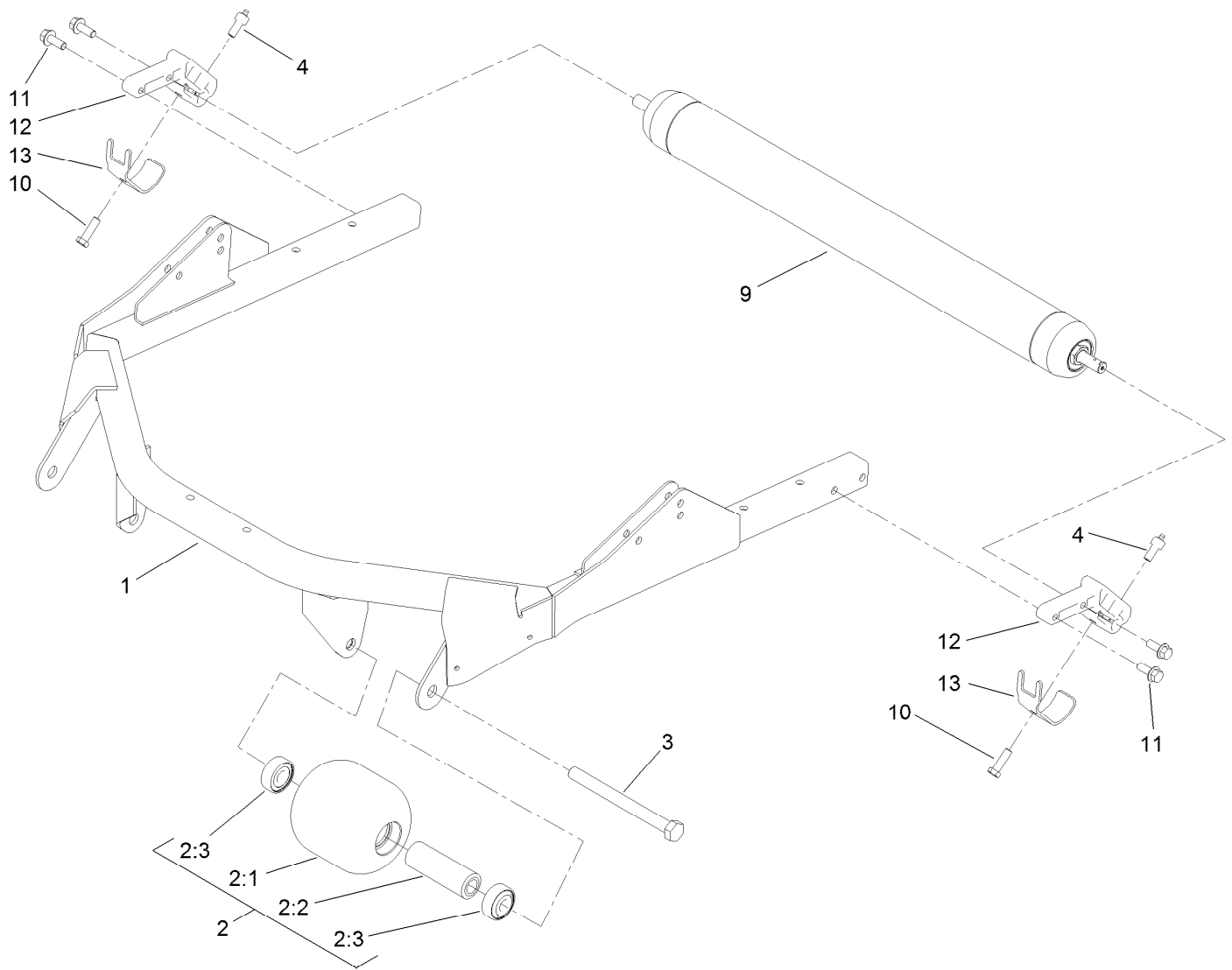
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 8:1  | 237-65      | 1    | O-Ring           |
| 8:2  | 237-80      | 1    | O-Ring           |
| 9    | 340-92      | 1    | Fitting-Straight |
| 9:1  | 237-78      | 1    | O-Ring           |
| 9:2  | 237-21      | 1    | O-Ring           |
| 10   | 100-4827    | 1    | Tube-HYD         |
| 11   | 95-8822     | 2    | Hose-HYD         |
| 12   | 104-0405    | 1    | Hose-HYD         |
| 14   | 104-0406    | 1    | Hose-HYD         |
| 15   | 340-2       | 2    | Fitting-Straight |
| 15:1 | 237-22      | 1    | O-Ring           |
| 15:2 | 237-42      | 1    | O-Ring           |
| 16   | 354-77      | 1    | Fitting-Quick    |
| 16:1 | 237-78      | 1    | O-Ring           |
| 17   | 354-79      | 1    | Cap-Dust         |



## Mow Hydraulic Assembly

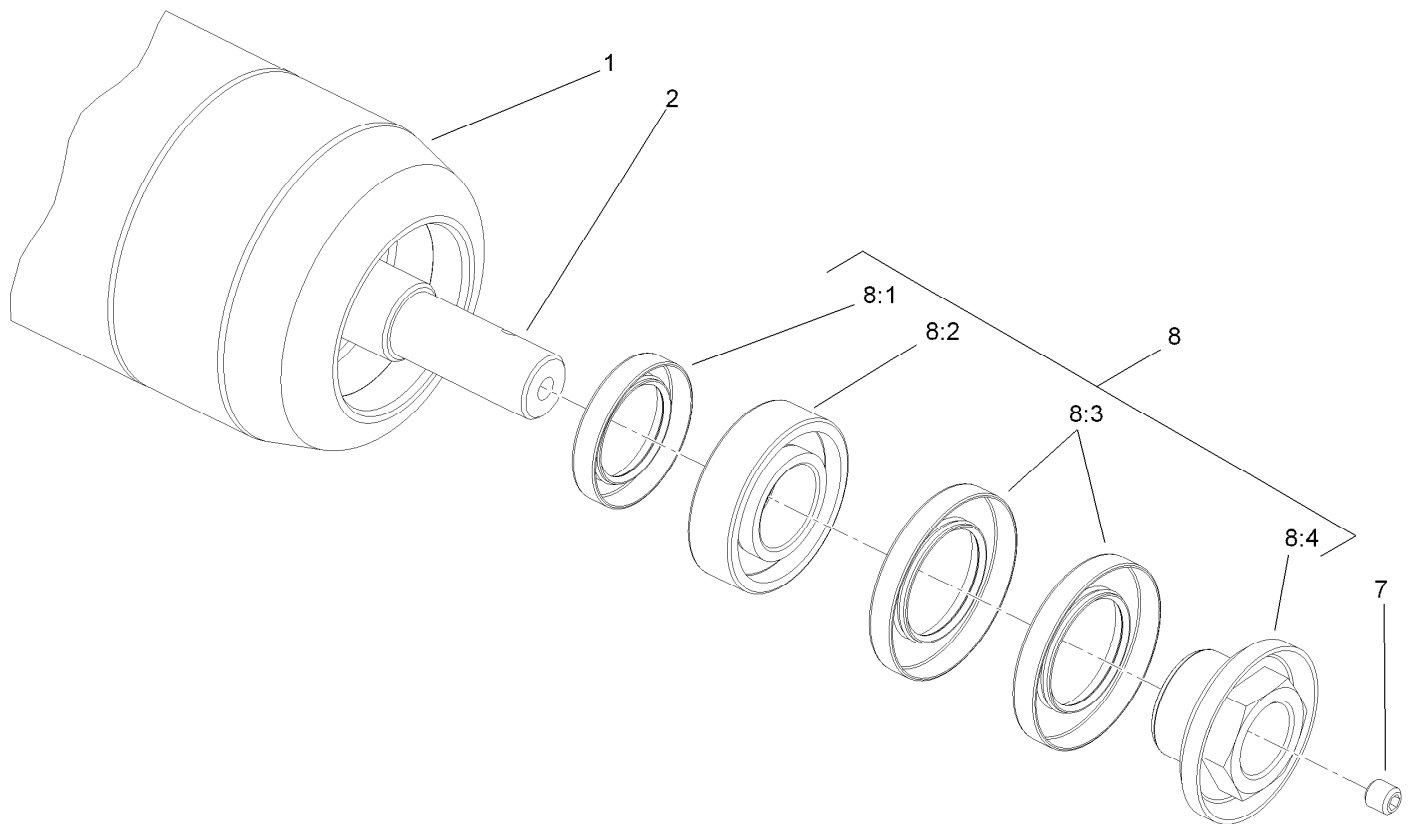
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 340-70      | 1    | Nut-Lock                 |
| 2    | 340-68      | 1    | Fitting-Tee, Bulkhead    |
| 2:1  | 237-22      | 3    | O-Ring                   |
| 3    | 340-74      | 7    | Nut-Lock, Bulkhead       |
| 4    | 340-72      | 1    | Fitting-Bulkhead, 90 DEG |
| 4:1  | 237-65      | 2    | O-Ring                   |
| 5    | 100-4879    | 2    | Hose-HYD                 |
| 6    | 115-3411    | 1    | Hose-HYD                 |
| 7    | 104-0401    | 1    | Tube ASM                 |
| 7:1  | 237-65      | 2    | O-Ring                   |
| 8    | 104-0400    | 1    | Tube ASM                 |
| 8:1  | 237-65      | 2    | O-Ring                   |
| 9    | 104-0404    | 1    | Tube ASM                 |
| 9:1  | 237-21      | 1    | O-Ring                   |
| 10   | 99-3641     | 2    | Clamp-Tube               |
| 11   | 3256-22     | 4    | Washer-Flat              |
| 12   | 321-11      | 2    | Screw-HH                 |
| 13   | 3296-42     | 2    | Nut-Lock, NI             |
| 14   | 3334-945    | 2    | Tie-Cable                |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 15   | 99-3640     | 1    | Tube ASM              |
| 15:1 | 237-65      | 2    | O-Ring                |
| 16   | 340-78      | 1    | Nut-Lock              |
| 17   | 105-1216    | 2    | Hose-HYD              |
| 18   | 340-7       | 1    | Fitting-Straight      |
| 18:1 | 237-65      | 1    | O-Ring                |
| 18:2 | 237-80      | 1    | O-Ring                |
| 19   | 105-1215    | 2    | Hose-HYD              |
| 20   | 340-92      | 3    | Fitting-Straight      |
| 20:1 | 237-78      | 1    | O-Ring                |
| 20:2 | 237-21      | 1    | O-Ring                |
| 21   | 104-1080    | 2    | Hose-HYD              |
| 22   | 100-4876    | 1    | Hose-HYD              |
| 23   | 99-3477     | 1    | Fitting-Tee           |
| 23:1 | 237-21      | 2    | O-Ring                |
| 24   | 100-4880    | 2    | Hose-HYD              |
| 25   | 340-17      | 5    | Fitting-Elbow, 90 DEG |
| 25:1 | 237-65      | 1    | O-Ring                |
| 25:2 | 237-80      | 1    | O-Ring                |



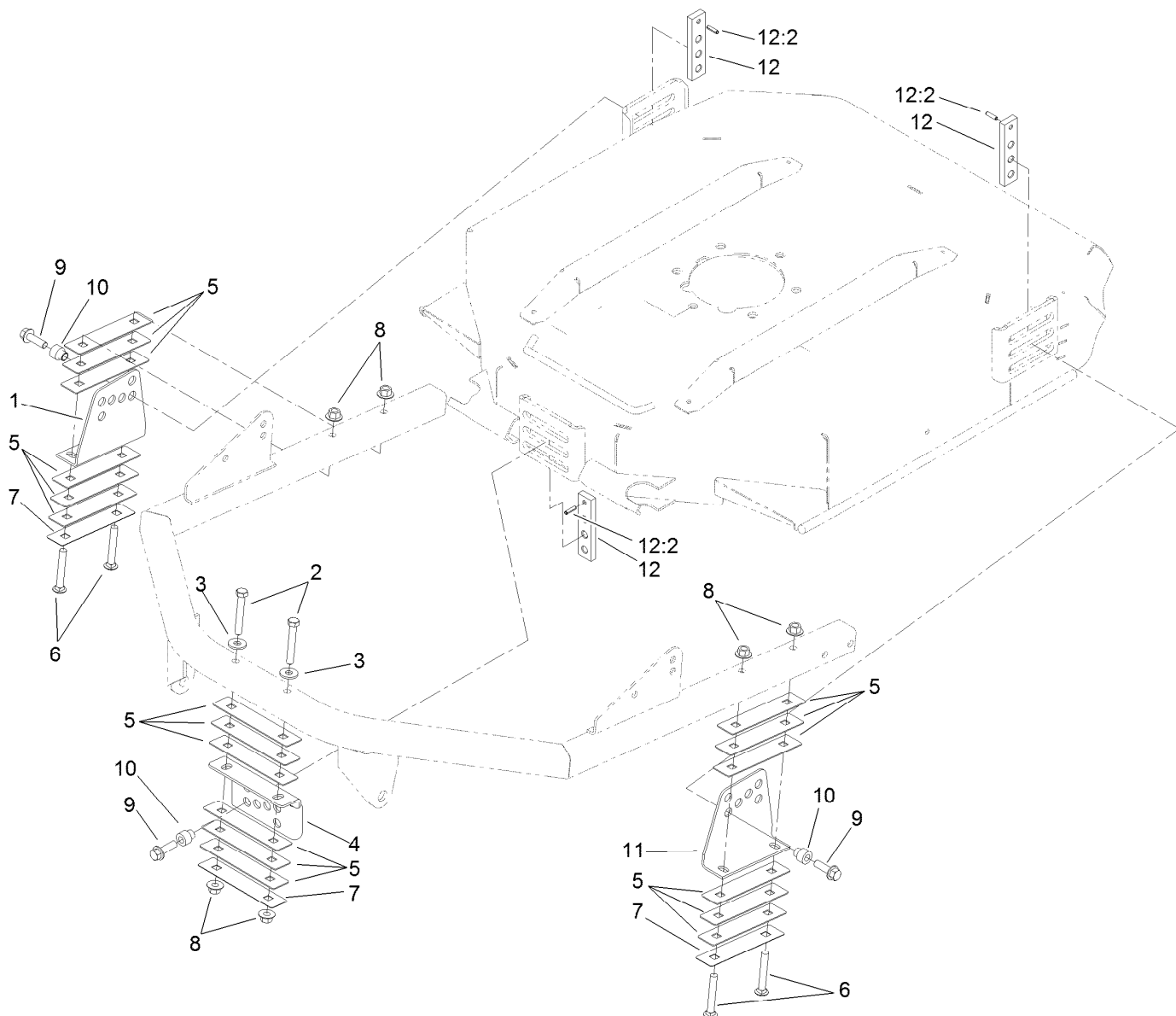
## Roller and Carrier Frame Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 100-5780-03 | 1    | Frame-Deck           |
| 2    | 136-2908    | 2    | Roller ASM           |
| 2:1  | 104-1093    | 1    | Roller               |
| 2:2  | 100-5762    | 1    | Spacer-Bearing       |
| 2:3  | 120-3366    | 2    | Bearing              |
| 3    | 136-2924    | 2    | Screw-HH             |
| 4    | 127-6422    | 2    | Screw-Grease, Roller |
| 9    | 112-5265    | 1    | Roller ASM           |
| 10   | 323-7       | 2    | Screw-HH             |
| 11   | 3234-11     | 4    | Screw-HHF            |
| 12   | 112-5268    | 2    | Mount-Roller         |
| 13   | 107-7816    | 2    | Bracket-Skid         |



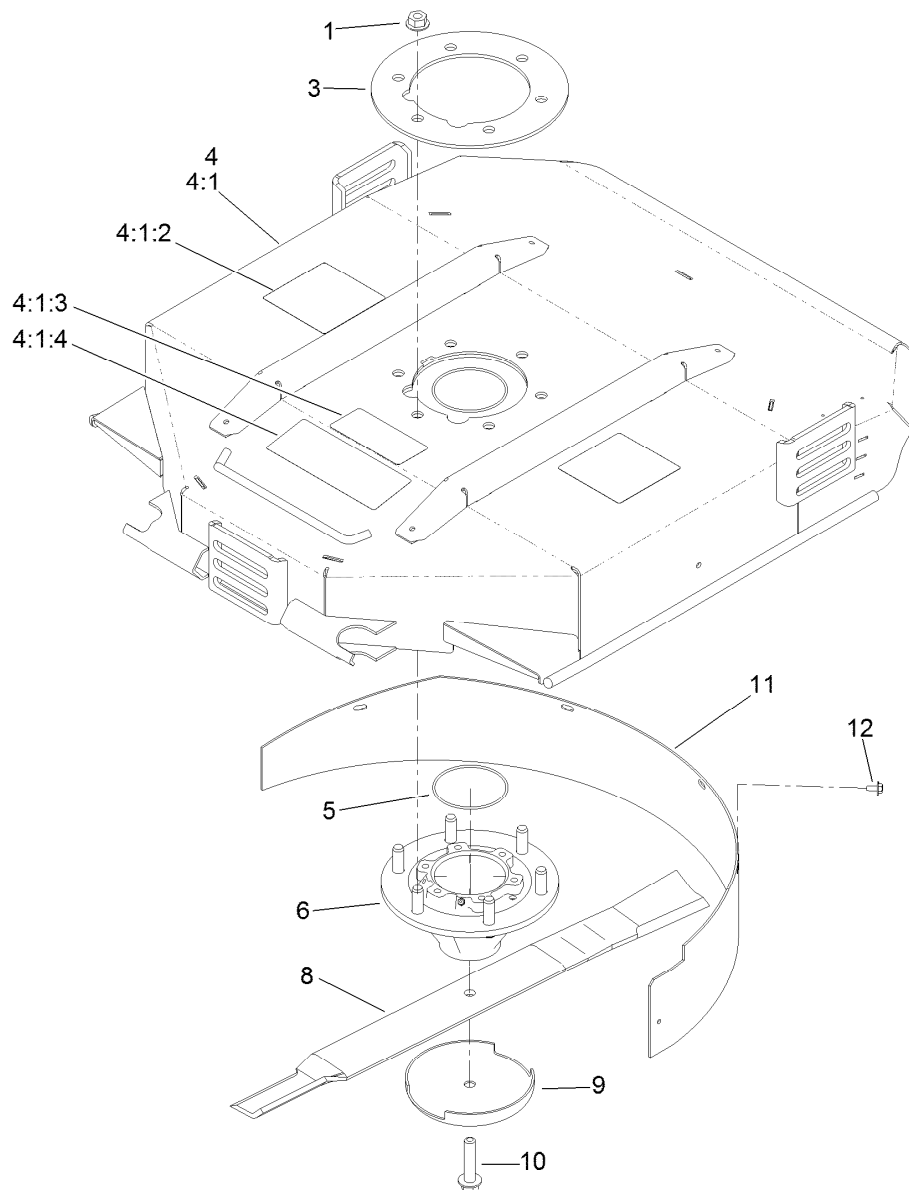
## Roller Assembly No. 112-5265

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 1           | 112-5274-03        | 1           | Tube ASM                 |
| 2           | 117-5100           | 1           | Shaft-Roller, Rear       |
| 7           | 108-0989           | 2           | Screw-Set                |
| 8           | 114-5430           | 1           | Roller Rebuild Kit       |
| 8:1         | 114-3717           | 2           | Seal-Oil                 |
| 8:2         | 112-5290           | 2           | Bearing-Steel, Stainless |
| 8:3         | 112-7494           | 4           | Seal                     |
| 8:4         | 114-3745           | 2           | Nut-Lock, Bearing        |



## Height-of-Cut Bracket Assembly

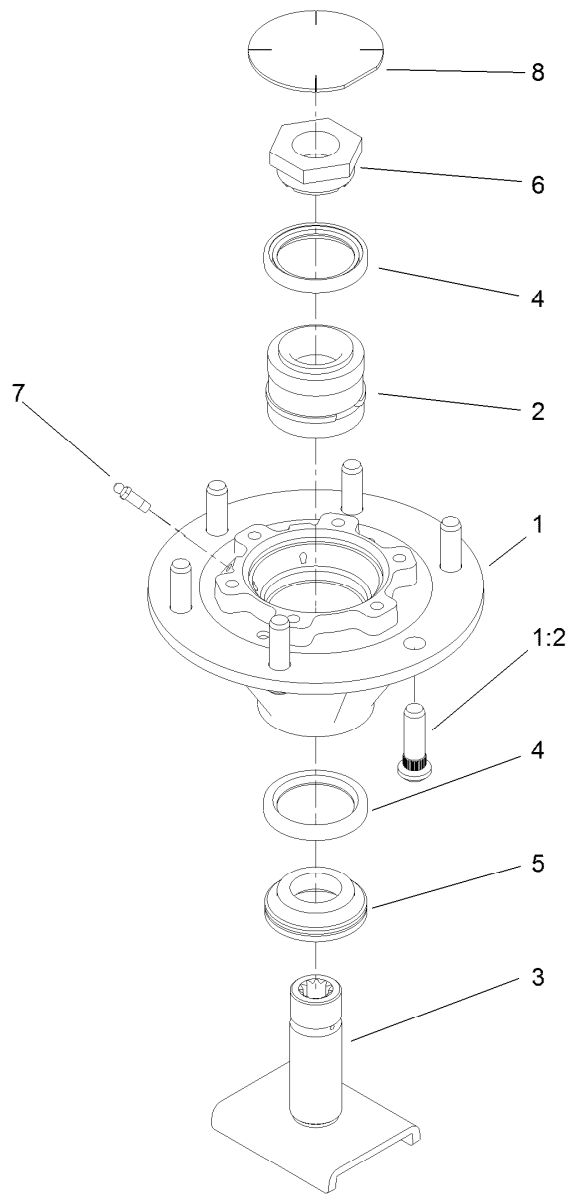
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 100-5797-03 | 1    | Bracket-HOC, RH     |
| 2    | 323-12      | 2    | Screw-HH            |
| 3    | 80-6990     | 2    | Washer-Hardened     |
| 4    | 104-1052-03 | 1    | Bracket-HOC, Front  |
| 5    | 100-5799    | 18   | Shim-HOC, .060 Inch |
| 6    | 3231-9      | 4    | Screw-CARR          |
| 7    | 104-4641    | 3    | Shim-HOC, .030 Inch |
| 8    | 32128-43    | 6    | Nut-Flange          |
| 9    | 3234-24     | 3    | Screw-HHF           |
| 10   | 121-3575    | 3    | Spacer-HOC          |
| 11   | 104-4624-03 | 1    | Bracket-HOC, LH     |
| 12   | 136-2921    | 3    | HOC Plate ASM       |
| 12:2 | 32121-5     | 1    | Pin-Spring          |



## Chamber, Blade and Spindle Assembly

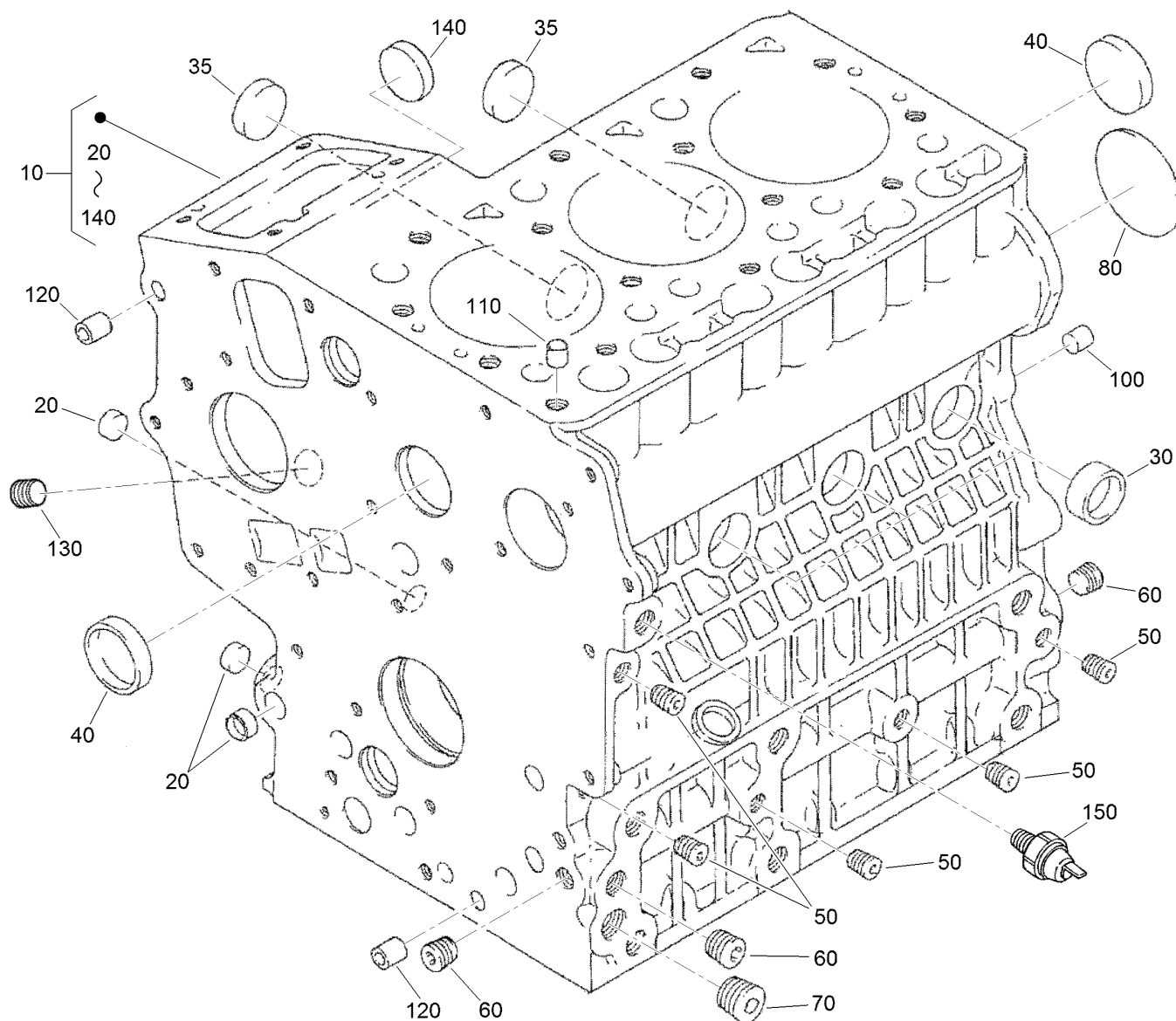
| Ref.  | Part Number | Qty. | Description              |
|-------|-------------|------|--------------------------|
| 1     | 32128-39    | 6    | Nut-HHF                  |
| 3     | 104-1051-03 | 1    | Plate-Spindle            |
| 4     | 127-6389    | 1    | Deck Chamber Service ASM |
| 4:1   |             | 1    | Chamber ASM ●            |
| 4:1:2 | 117-4764    | 2    | Decal-Danger             |
| 4:1:3 | 93-7818     | 1    | Decal-Torque, Blade Bolt |
| 4:1:4 | 121-3627    | 1    | Decal-Height Of Cut      |
| 5     | 237-161     | 1    | O-Ring                   |
| 6     | 138-6932    | 1    | Spindle ASM              |
| 8     | 107-0235-03 | 1    | Blade-Atomic             |
| 8     | 108-9026-03 | 1    | Blade-Combo              |
| 9     | 72-9361     | 1    | Cup-Scalp, Anti          |
| 10    | 92-5816     | 1    | Bolt-Blade               |
| 11    | 108-9025-01 | 1    | Baffle-Mulching          |
| 12    | 46-8560     | 5    | Screw-HHFTF              |

● Not serviced separately



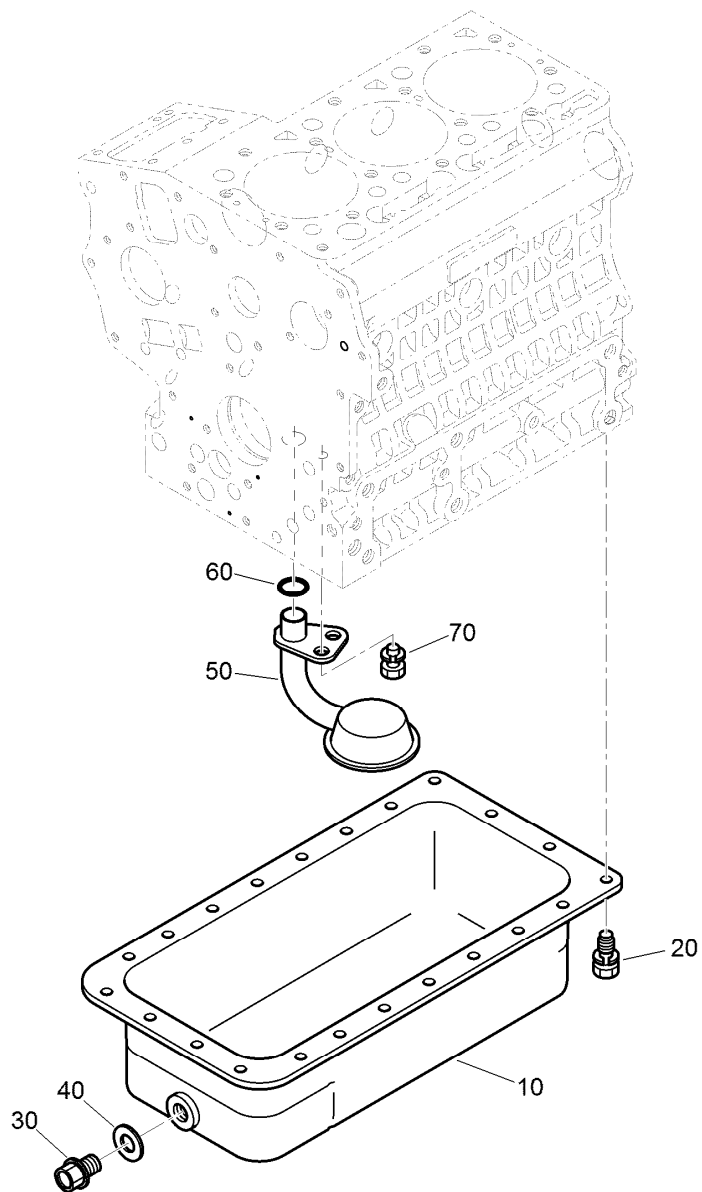
## Spindle Assembly No. 138-6932

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 1           | 115-3434           | 1           | Spindle                |
| 1:2         | 10-6830            | 6           | Stud-Type, Drive       |
| 2           | 100-5703           | 1           | Spacer And Bearing ASM |
| 3           | 138-6931           | 1           | Spindle Shaft ASM      |
| 4           | 253-154            | 2           | Seal-Oil               |
| 5           | 69-6950            | 1           | Spacer-Shaft, Spindle  |
| 6           | 100-5709           | 1           | Nut-Spindle, Spcl      |
| 7           | 302-62             | 2           | Fitting-Grease         |
| 8           | 94-2703            | 1           | Plug                   |



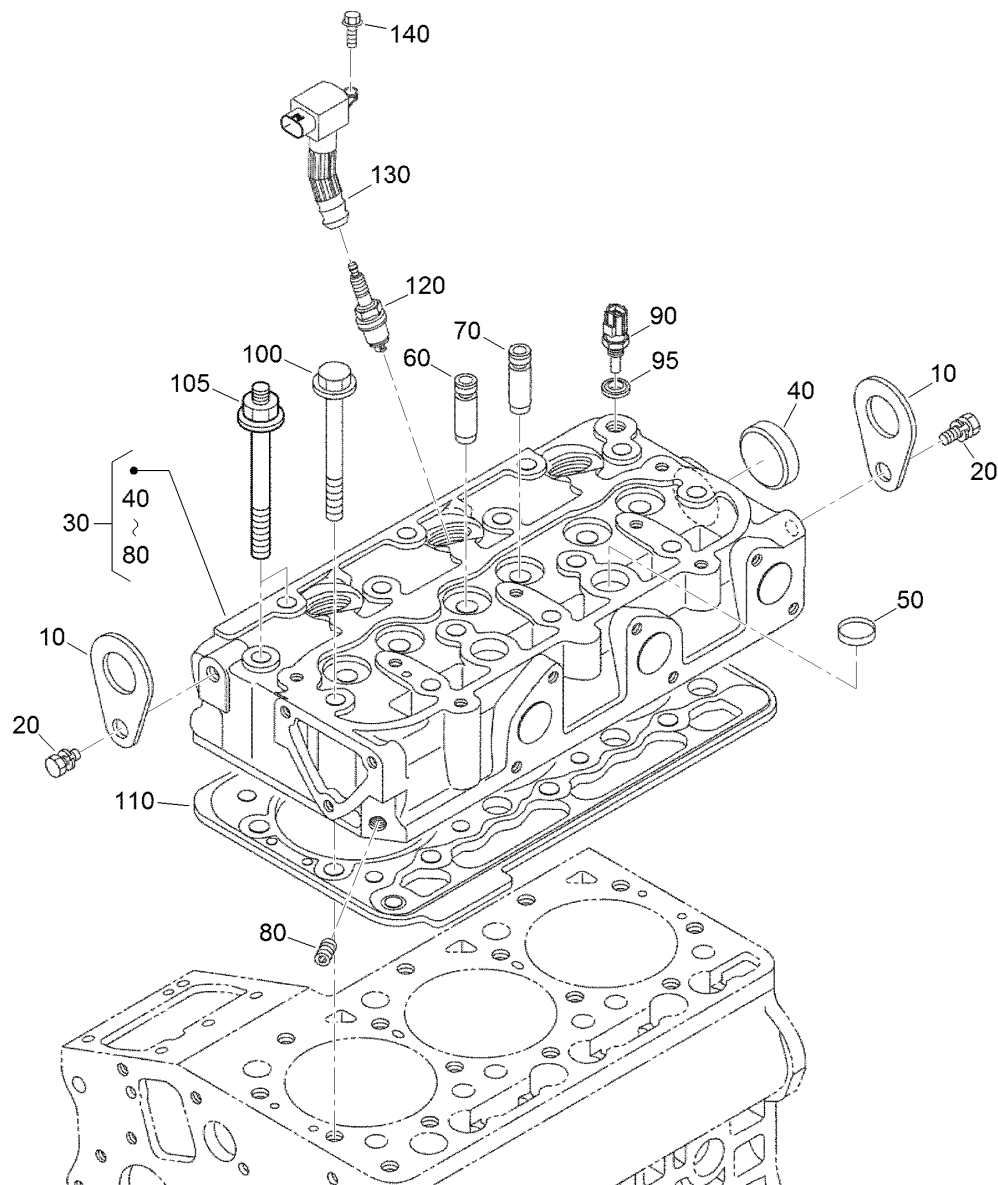
## Crankcase Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 125-9061    | 1    | Crankcase ASM        |
| 20   | 100-2019    | 3    | Cap-Sealing          |
| 30   | 100-2020    | 3    | Cap-Sealing          |
| 35   | 110-3702    | 2    | Cap-Sealing          |
| 40   | 98-9398     | 2    | Cap-Sealing          |
| 50   | 98-9687     | 5    | Plug                 |
| 60   | 98-7487     | 3    | Plug                 |
| 70   | 98-7488     | 1    | Plug                 |
| 80   | 100-1851    | 1    | Plug-Expansion       |
| 100  | 98-9377     | 2    | Pin-Straight         |
| 110  | 98-7506     | 1    | Pin-Pipe             |
| 120  | 100-2051    | 2    | Pin-Pipe             |
| 130  | 98-7488     | 1    | Plug                 |
| 140  | 100-1991    | 1    | Cover-Fuel, Camshaft |
| 150  | 98-9416     | 1    | Switch-Oil           |



## Oil Pan Assembly

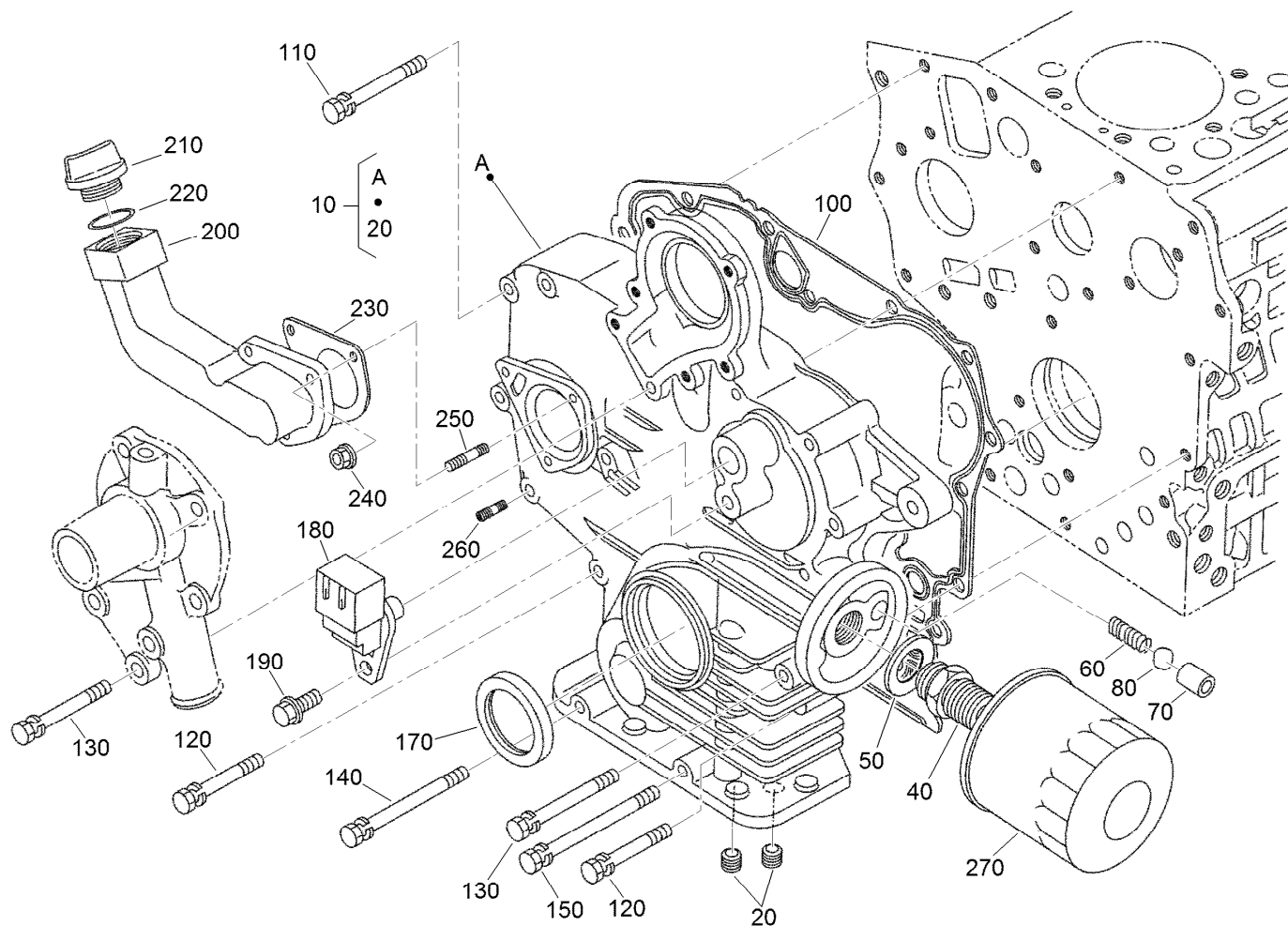
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 125-9056    | 1    | Oil Pan ASM       |
| 20   | 98-9350     | 22   | Bolt              |
| 30   | 114-8151    | 1    | Plug-Drain        |
| 40   | 98-7524     | 1    | Gasket            |
| 50   | 125-9052    | 1    | Tube-Pick Up, Oil |
| 60   | 105-3776    | 1    | O-Ring            |
| 70   | 100-9195    | 1    | Bolt              |



## Cylinder Head Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 98-7531     | 2    | Hook-Engine          |
| 20   | 98-7526     | 2    | Bolt                 |
| 30   | 125-9119    | 1    | Cylinder Head ASM    |
| 40   | 105-3705    | 1    | Cap-Sealing          |
| 50   | 98-9389     | 2    | Cap-Sealing          |
| 60   | 100-1882    | 3    | Guide-Valve, Inlet   |
| 70   | 100-1883    | 3    | Guide-Valve, Exhaust |
| 80   | 98-7540     | 1    | Plug                 |

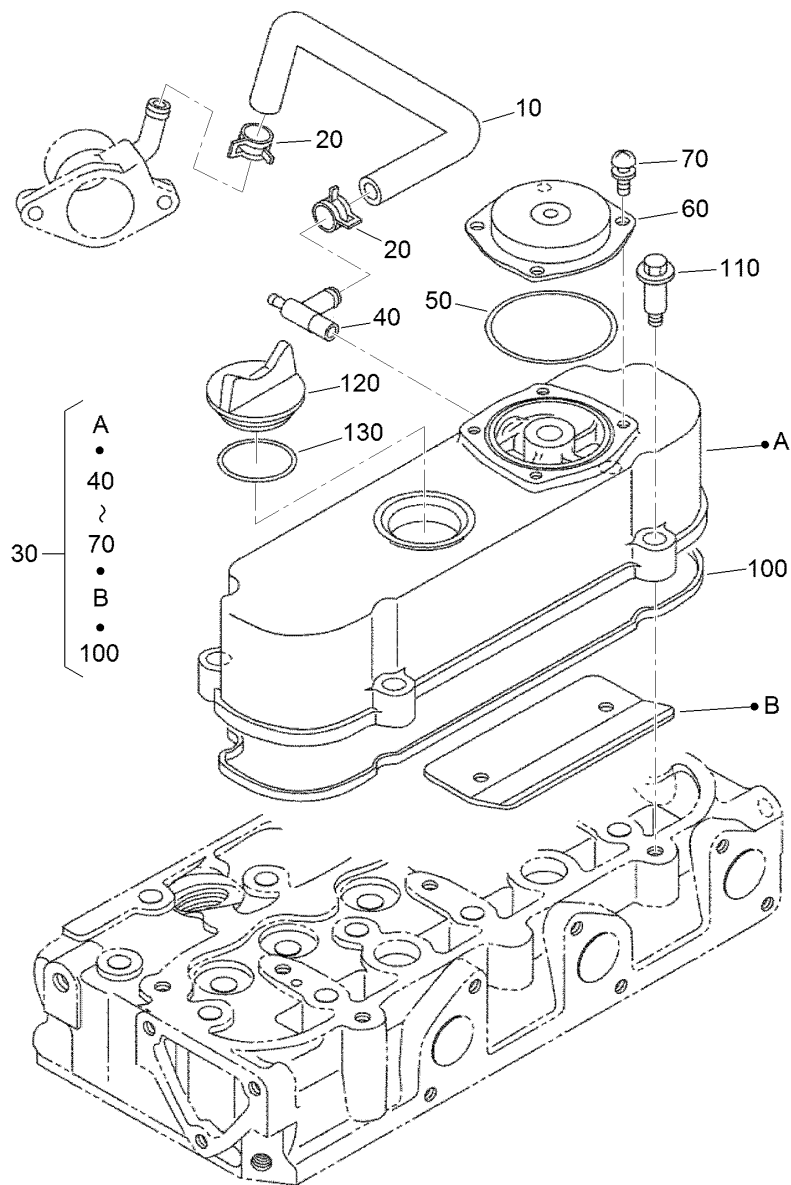
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 90   | 125-9102    | 1    | Sensor-Temperature, Water |
| 95   | 125-9096    | 1    | Gasket                    |
| 100  | 100-1820    | 12   | Bolt-Head, Cylinder       |
| 105  | 127-1600    | 2    | Bolt-Head, Cylinder       |
| 110  | 125-9113    | 1    | Gasket-Head               |
| 120  | 125-9139    | 3    | Spark Plug                |
| 130  | 125-9145    | 3    | Coil-Ignition             |
| 140  | 99-8363     | 3    | Bolt-Flange               |



## Gear Case and Oil Filter Cartridge Assembly

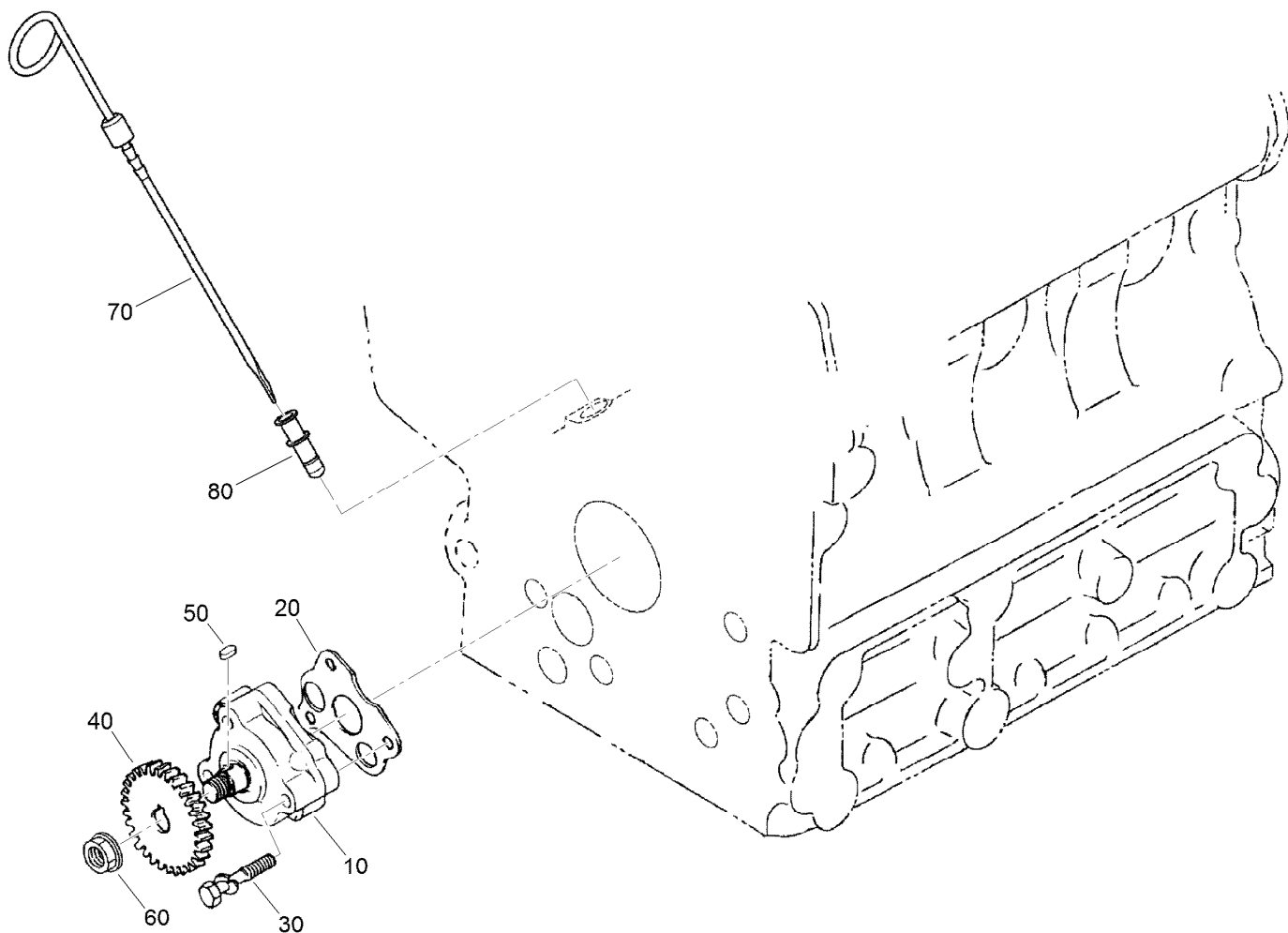
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 125-9151    | 1    | Gear Case ASM     |
| 20   | 98-7488     | 1    | Plug              |
| 40   | 98-9388     | 1    | Joint-Pipe        |
| 50   | 100-1926    | 1    | Washer-Plain      |
| 60   | 100-2004    | 1    | Spring            |
| 70   | 100-1894    | 1    | Seat-Valve        |
| 80   | 100-1792    | 1    | Ball              |
| 100  | 117-0327    | 1    | Gasket-Case, Gear |
| 110  | 99-8320     | 1    | Bolt              |
| 120  | 98-9356     | 9    | Bolt              |
| 130  | 100-1922    | 3    | Bolt              |
| 140  | 98-9357     | 1    | Bolt              |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 150  | 110-3710    | 1    | Bolt               |
| 170  | 120-7852    | 1    | Seal-Oil           |
| 180  | 125-9142    | 1    | Sensor             |
| 190  | 99-8363     | 1    | Bolt-Flange        |
| 200  | 127-1601    | 1    | Flange-Filler, Oil |
| 210  | 127-1602    | 1    | Plug-Filler, Oil   |
| 220  | 127-1603    | 1    | O-Ring             |
| 230  | 100-2062    | 1    | Gasket             |
| 240  | 100-2203    | 3    | Nut-Flange         |
| 250  | 100-1924    | 1    | Stud               |
| 260  | 98-7571     | 3    | Stud               |
| 270  | 115-8189    | 1    | Filter-Oil, Engine |



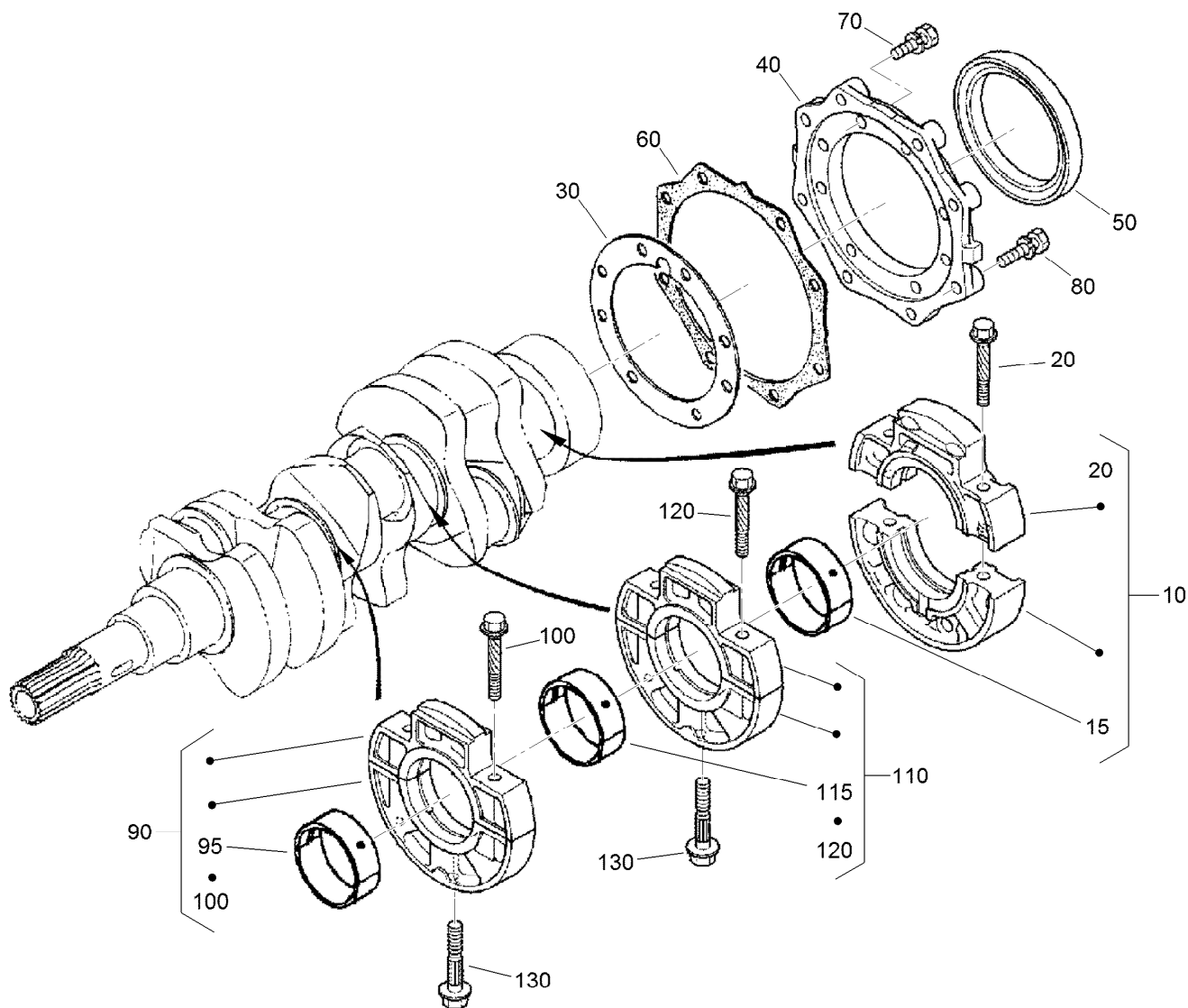
## Cylinder Head Cover Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 10   | 125-9120    | 1    | Tube-Breather           |
| 20   | 98-9579     | 2    | Band-Pipe               |
| 30   | 125-9129    | 1    | Cylinder Head Cover ASM |
| 40   | 125-9117    | 1    | Pipe-Breather           |
| 50   | 110-3846    | 1    | O Ring-Breather         |
| 60   | 108-7060    | 1    | Cover-Breather          |
| 70   | 98-9364     | 4    | Screw (With Washer)     |
| 100  | 125-9130    | 1    | Gasket-Cover, Head      |
| 110  | 108-7063    | 4    | Bolt                    |
| 120  | 107-9075    | 1    | Plug-Filler, Oil        |
| 130  | 99-3446     | 1    | O-Ring                  |



## Oil Pump, Dipstick and Guide Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 100-2002    | 1    | Oil Pump ASM         |
| 20   | 100-2003    | 1    | Gasket-Pump, Oil     |
| 30   | 100-1923    | 3    | Bolt                 |
| 40   | 100-1893    | 1    | Gear-Drive, Oil Pump |
| 50   | 98-7658     | 1    | Key-Feather          |
| 60   | 100-1779    | 1    | Nut-Flange           |
| 70   | 110-3719    | 1    | Gauge-Oil            |
| 80   | 105-4580    | 1    | Guide-Gauge, Oil     |

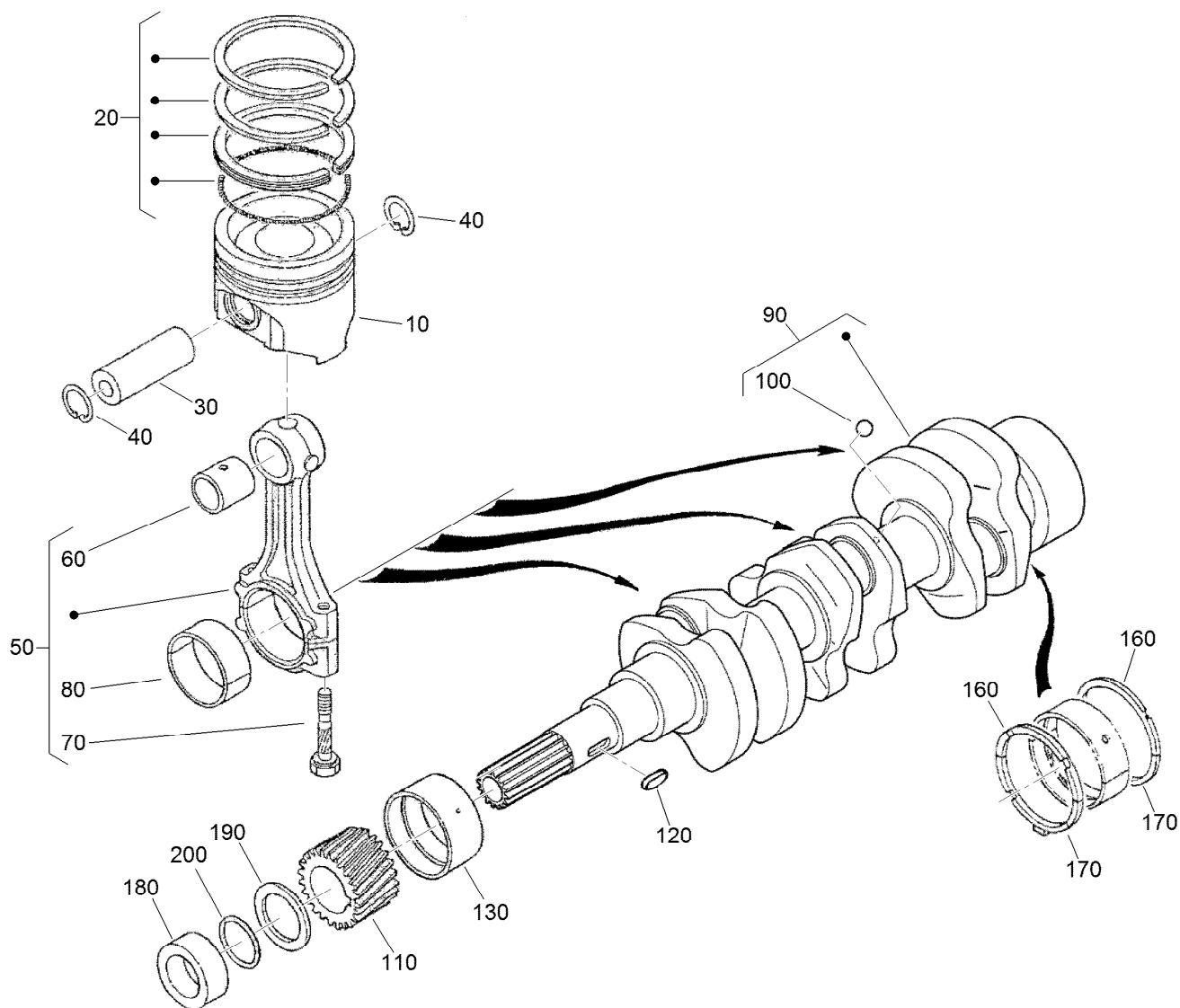


## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 10   | 121-2426    | 1    | Bearing Case Wheel ASM         |
| 15   | 110-3744    | 1    | Crankshaft Metal ASM (STD)     |
| 15   | 110-3745    | 1    | Crankshaft Metal ASM (-0.20MM) |
| 15   | 110-3746    | 1    | Crankshaft Metal ASM (-0.40MM) |
| 20   | 110-3723    | 2    | Bolt-Case, Bearing             |
| 30   | 100-1873    | 1    | Gasket-Case, Bearing           |
| 40   | 112-8334    | 1    | Cover-Case, Bearing            |
| 50   | 110-3724    | 1    | Seal-Oil                       |
| 60   | 100-1876    | 1    | Gasket-Cover, Case             |
| 70   | 98-7568     | 8    | Bolt                           |
| 80   | 100-1750    | 8    | Bolt                           |
| 90   | 110-3725    | 1    | Main Bearing Case ASM          |
| 95   | 110-3741    | 1    | Crankshaft Metal ASM (STD)     |

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 95   | 125-9083    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 95   | 110-3743    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 100  | 110-3723    | 2    | Bolt-Case, Bearing             |
| 110  | 110-3725    | 1    | Main Bearing Case ASM          |
| 115  | 110-3741    | 1    | Crankshaft Metal ASM (STD)     |
| 115  | 125-9083    | 1    | Crankshaft Metal ASM (-0.20Mm) |
| 115  | 110-3743    | 1    | Crankshaft Metal ASM (-0.40Mm) |
| 120  | 110-3723    | 2    | Bolt-Case, Bearing             |
| 130  | 100-1874    | 2    | Bolt-Case, Bearing             |

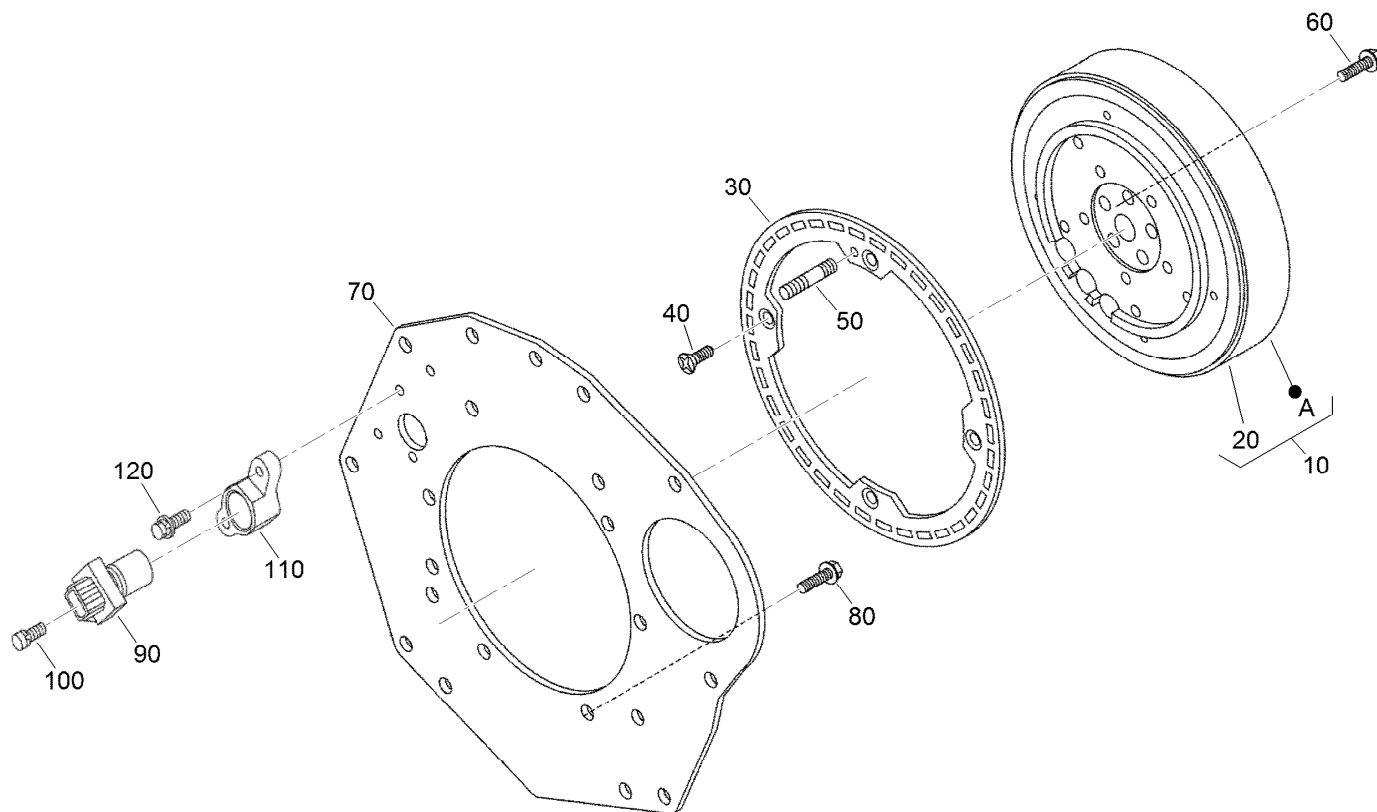




## Piston and Crankshaft Assembly

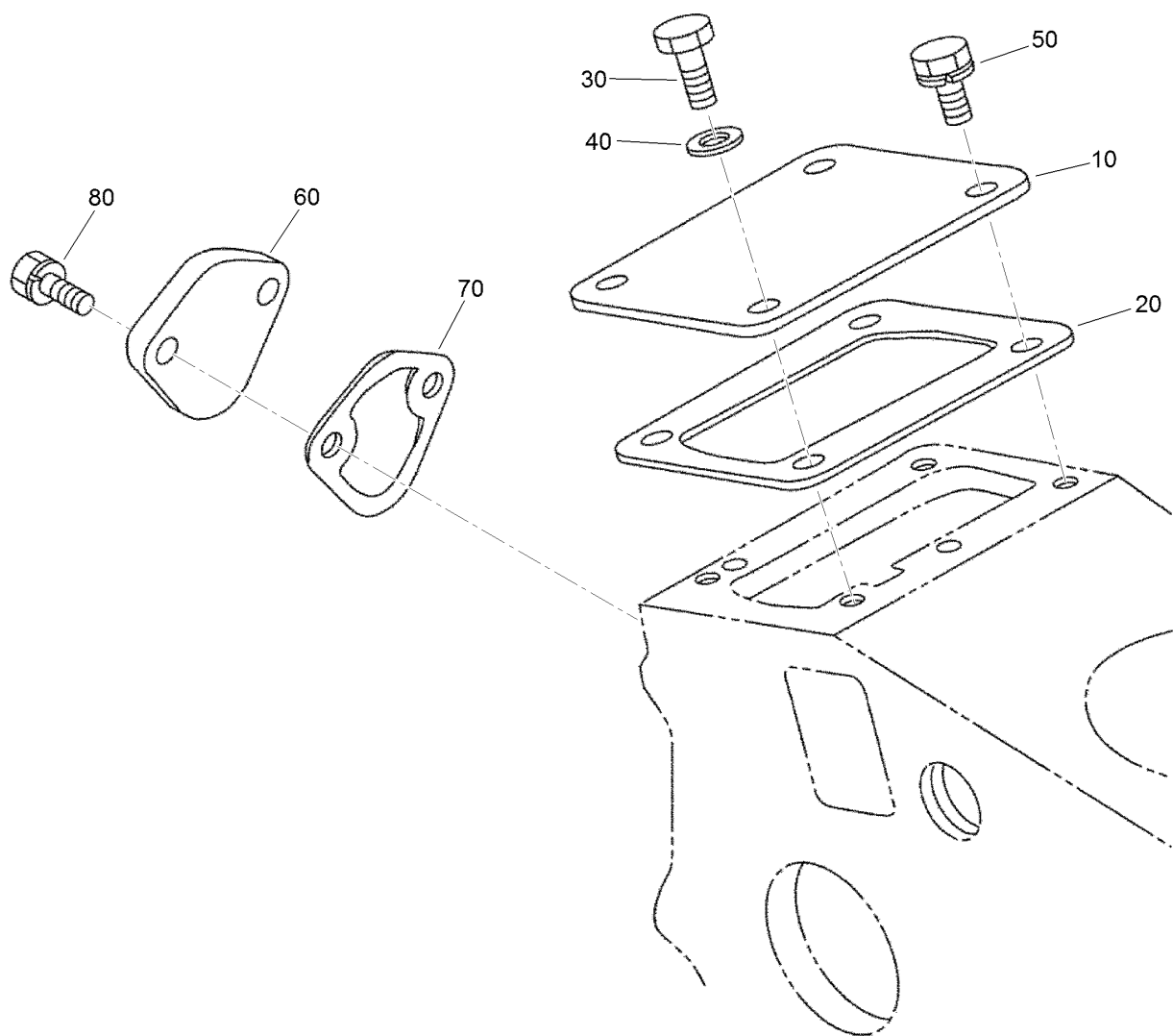
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 10   | 125-9115    | 3    | Piston (STD)              |
| 10   | 125-9116    | 3    | Piston (+0.50Mm)          |
| 20   | 125-9134    | 3    | Piston Ring ASM (STD)     |
| 20   | 125-9135    | 3    | Piston Ring ASM (+0.50Mm) |
| 30   | 110-3734    | 3    | Pin-Piston                |
| 40   | 100-1835    | 6    | Circlip-Internal          |
| 50   | 125-9070    | 3    | Connecting Rod ASM        |
| 60   | 110-3736    | 3    | Bushing-Pin, Piston       |
| 70   | 100-1999    | 6    | Bolt-Rod, Connecting      |
| 80   | 100-2000    | 3    | Metal-Crankpin (STD)      |
| 80   | 100-1942    | 3    | Metal-Crankpin (-0.20Mm)  |
| 80   | 100-1943    | 3    | Metal-Crankpin (-0.40Mm)  |
| 90   | 117-0308    | 1    | Crankshaft                |
| 100  | 100-1791    | 3    | Ball                      |
| 110  | 100-1891    | 1    | Gear-Crankshaft           |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 120  | 100-1752    | 1    | Key-Feather                |
| 130  | 110-3738    | 1    | Metal-Crankshaft (STD)     |
| 130  | 110-3739    | 1    | Metal-Crankshaft (-0.20MM) |
| 130  | 110-3740    | 1    | Metal-Crankshaft (-0.40MM) |
| 160  | 100-1836    | 2    | Metal-Side (STD)           |
| 160  | 100-1838    | 2    | Metal-Side (+0.20MM)       |
| 160  | 100-1839    | 2    | Metal-Side (+0.40MM)       |
| 170  | 117-0309    | 2    | Metal-Side (STD)           |
| 170  | 100-1840    | 2    | Metal-Side (+0.2MM)        |
| 170  | 100-1841    | 2    | Metal-Side (+0.4MM)        |
| 180  | 100-1890    | 1    | Collar-Crankshaft          |
| 190  | 100-1974    | 1    | Slinger-Oil                |
| 200  | 100-2209    | 1    | O-Ring                     |



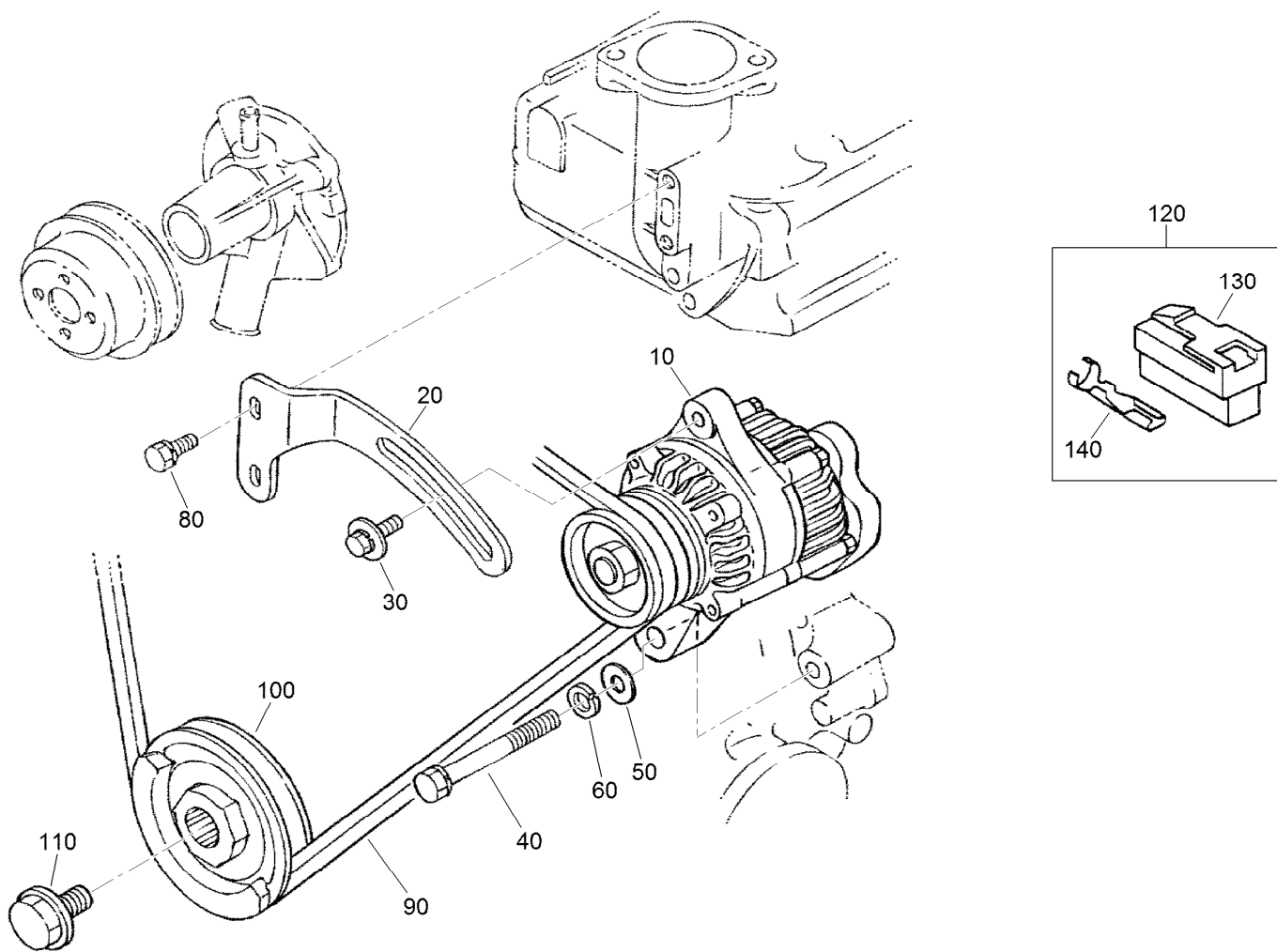
## Flywheel and Sensor Switch Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 10   | 125-9153    | 1    | Flywheel ASM     |
| 20   | 127-1604    | 1    | Gear-Ring        |
| 30   | 127-1605    | 1    | Rotor            |
| 40   | 127-0407    | 4    | Screw-Head, Flat |
| 50   | 127-0412    | 1    | Pin-Straight     |
| 60   | 125-9051    | 5    | Bolt-Flywheel    |
| 70   | 125-9152    | 1    | Plate-End, Rear  |
| 80   | 110-3754    | 10   | Bolt             |
| 90   | 125-9103    | 1    | Sensor Stick ASM |
| 100  | 125-9094    | 1    | Bolt-Flange      |
| 110  | 125-9144    | 1    | Holder-Sensor    |
| 120  | 108-2873    | 1    | Bolt-Flange      |



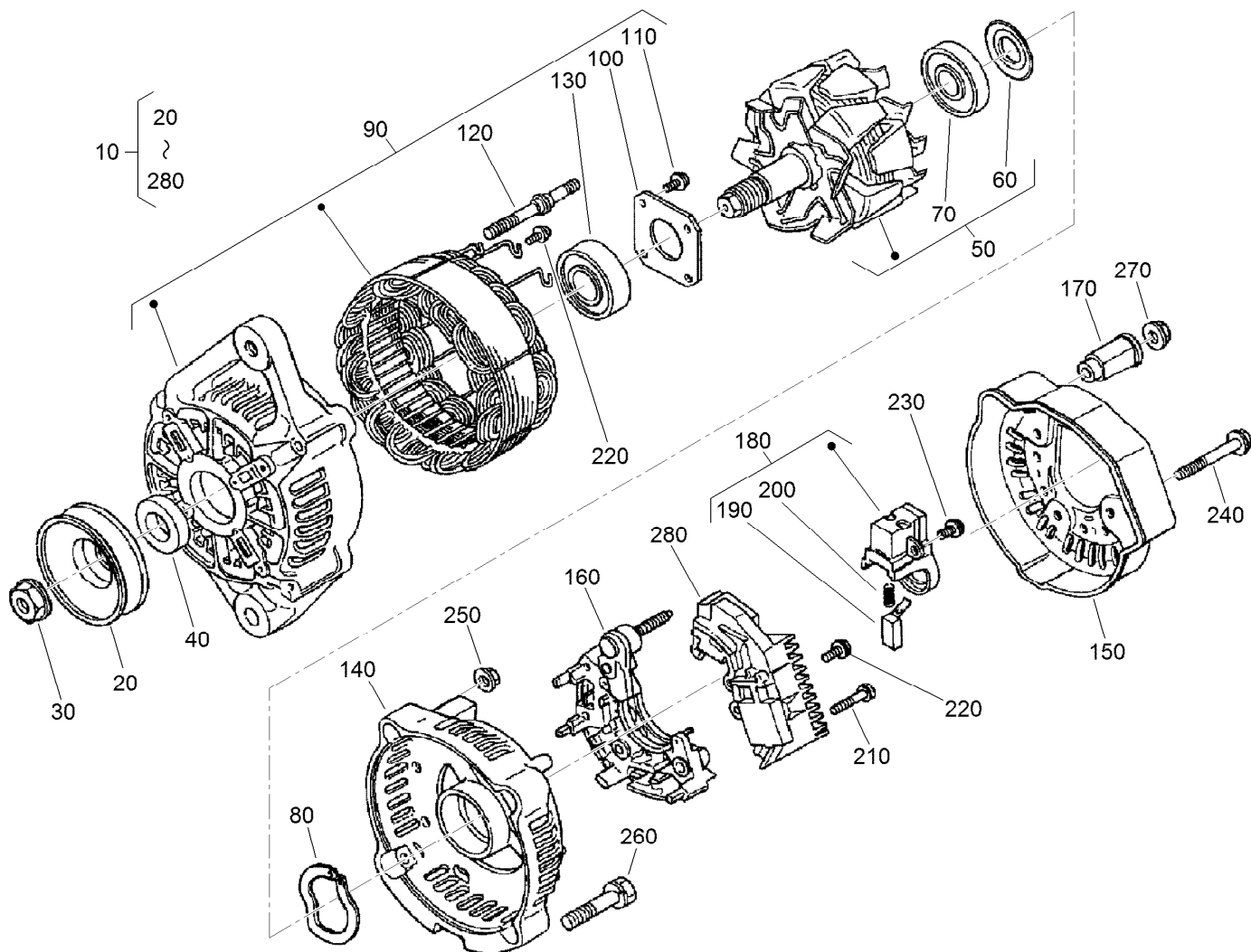
## Injection and Fuel Pump Covers Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 10          | 125-9098           | 1           | Cover              |
| 20          | 125-9105           | 1           | Gasket             |
| 30          | 99-8348            | 1           | Bolt               |
| 40          | 98-7654            | 1           | Gasket             |
| 50          | 98-9350            | 3           | Bolt               |
| 60          | 99-3514            | 1           | Cover              |
| 70          | 98-9636            | 1           | Gasket-Pump, Fuel  |
| 80          | 98-7692            | 2           | Bolt               |



## Alternator and Pulley Assembly

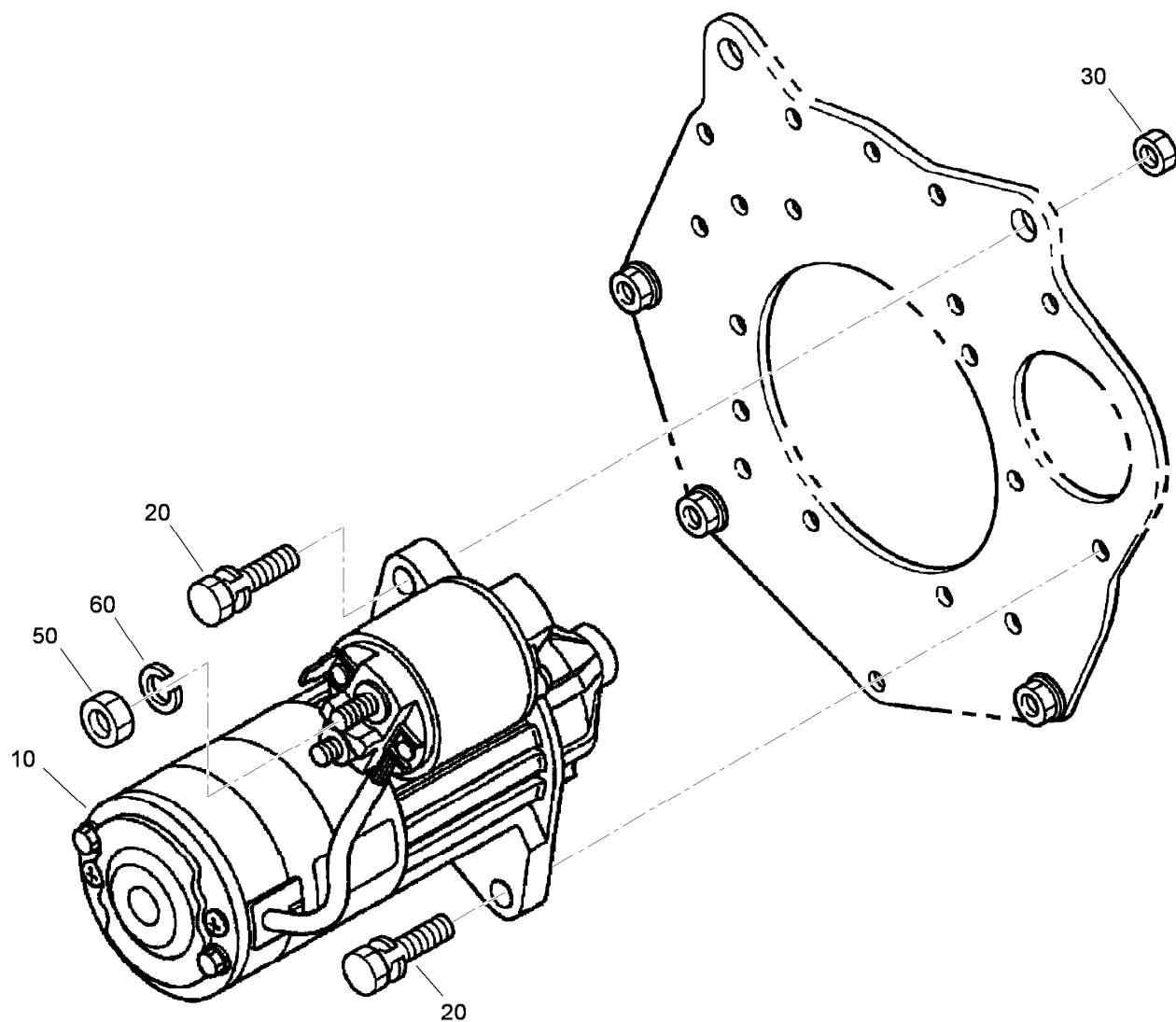
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 10   | 131-6557    | 1    | Alternator ASM    |
| 20   | 117-0314    | 1    | Stay-Alternator   |
| 30   | 121-2413    | 1    | Bolt              |
| 40   | 125-9091    | 1    | Bolt-Hex          |
| 50   | 120-5832    | 1    | Washer-Plain      |
| 60   | 105-2893    | 1    | Washer-Spring     |
| 80   | 98-7692     | 2    | Bolt              |
| 90   | 100-1979    | 1    | V-Belt            |
| 100  | 125-9154    | 1    | Pulley-Drive, Fan |
| 110  | 100-1978    | 1    | Bolt              |
| 120  | 110-3796    | 1    | Belt-V            |
| 130  | 98-9698     | 1    | Connector         |
| 140  | 98-9699     | 2    | Terminal          |



## Alternator Components Assembly

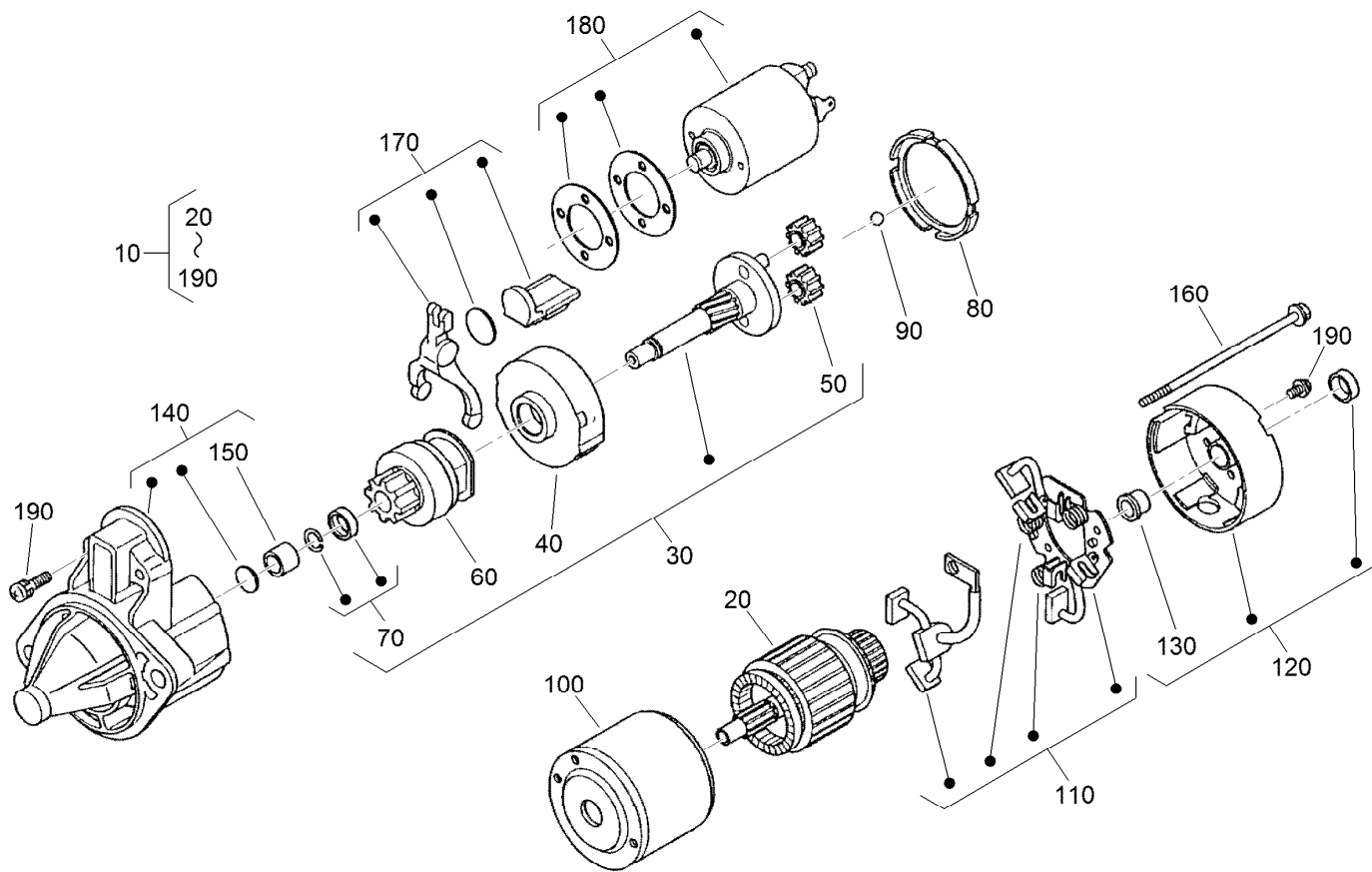
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 131-6557    | 1    | Alternator ASM      |
| 20   | 98-9453     | 1    | Pulley-Dynamo       |
| 30   | 98-7708     | 1    | Nut                 |
| 40   | 98-7709     | 1    | Collar              |
| 50   | 107-0136    | 1    | Rotor ASM           |
| 60   | 98-7711     | 1    | Cover-Bearing       |
| 70   | 107-0138    | 1    | Bearing-Ball        |
| 80   | 98-7713     | 1    | Washer-Thrust       |
| 90   | 107-0139    | 1    | Drive End Frame ASM |
| 100  | 98-7715     | 1    | Plate-Retainer      |
| 110  | 98-7716     | 4    | Screw-Head, Round   |
| 120  | 98-7717     | 2    | Bolt-Through        |
| 130  | 107-0137    | 1    | Bearing-Ball        |
| 140  | 107-9087    | 1    | Frame-End           |

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



## Starter Installation Assembly

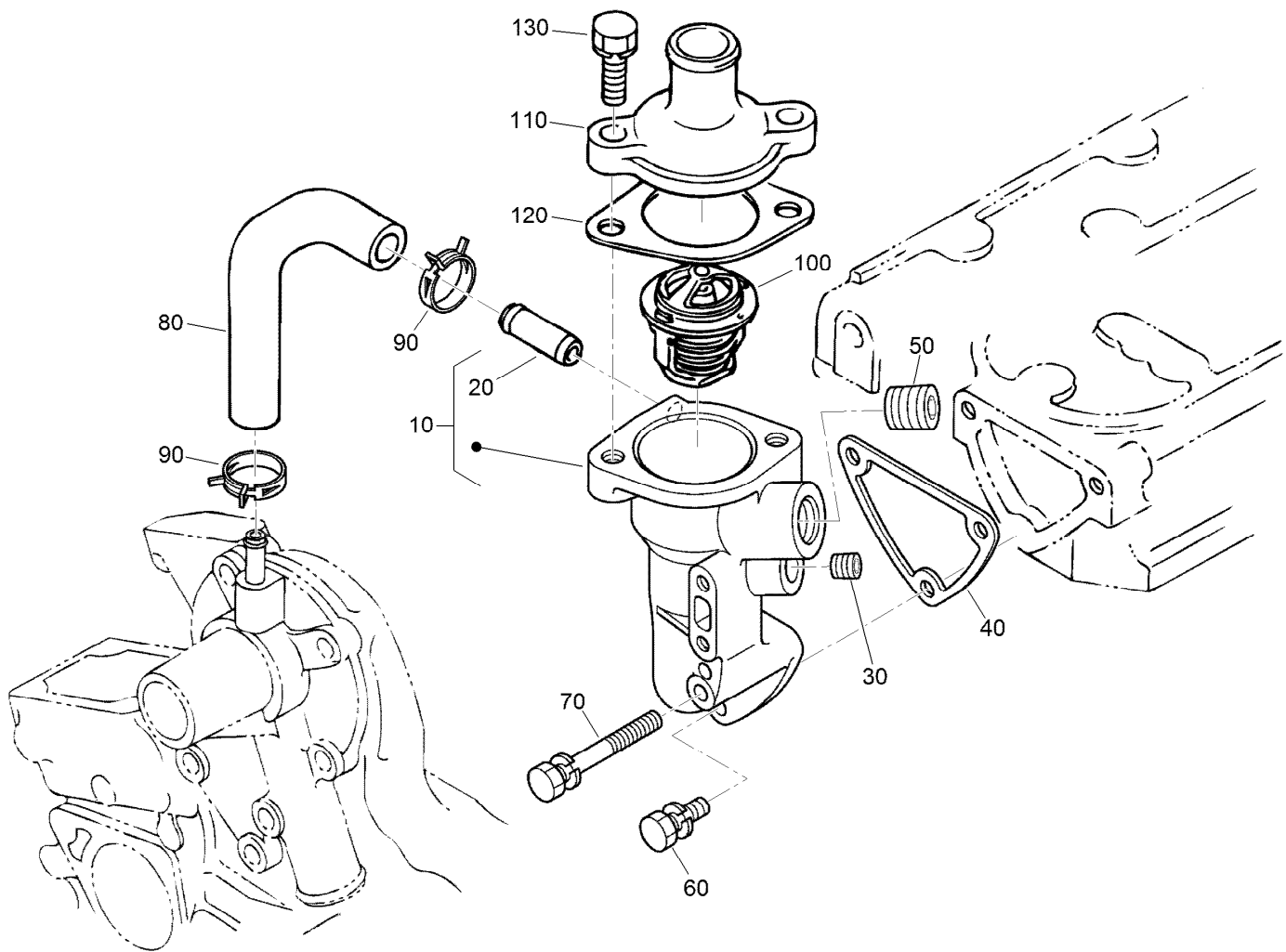
| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 10   | 110-3800    | 1    | Starter ASM   |
| 20   | 98-7697     | 2    | Bolt          |
| 30   | 98-7534     | 2    | Nut           |
| 50   | 98-7534     | 1    | Nut           |
| 60   | 105-2893    | 1    | Washer-Spring |



## Starter Components Assembly

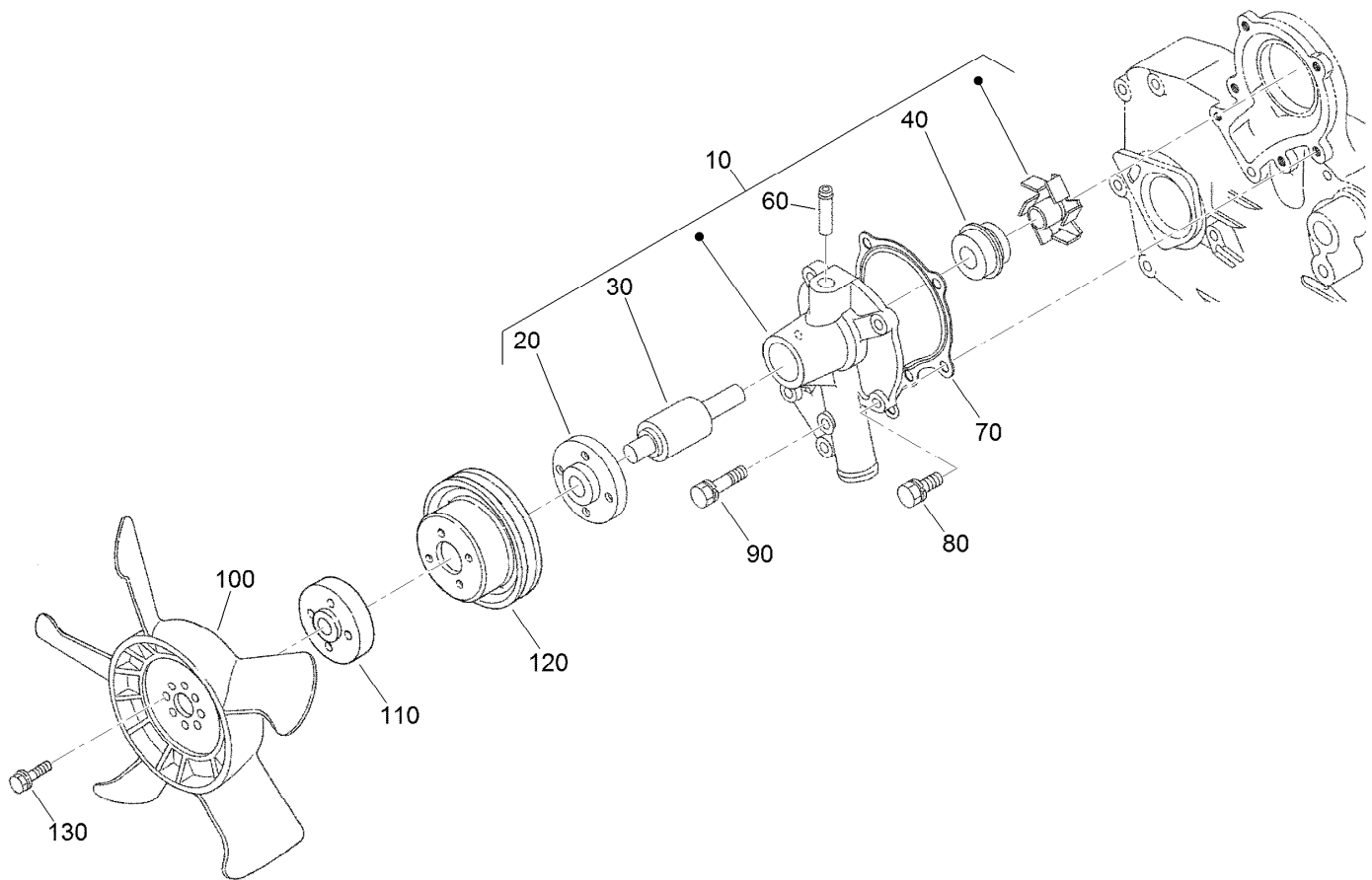
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 110-3800    | 1    | Starter ASM          |
| 20   | 110-3801    | 1    | Armature             |
| 30   | 110-3802    | 1    | Shaft ASM            |
| 40   | 120-3142    | 1    | Gear-Internal        |
| 50   | 110-3804    | 3    | Gear-Planetary       |
| 60   | 110-3805    | 1    | Clutch-Running, Over |
| 70   | 110-3806    | 1    | Stopper              |
| 80   | 120-3143    | 1    | Gasket               |
| 90   | 110-3808    | 1    | Ball                 |
| 100  | 110-3809    | 1    | Yoke                 |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 110  | 110-3810    | 1    | Brush Holder ASM  |
| 120  | 110-3811    | 1    | Rear Bracket ASM  |
| 130  | 110-3812    | 1    | Bushing           |
| 140  | 110-3813    | 1    | Front Bracket ASM |
| 150  | 110-3814    | 1    | Bushing           |
| 160  | 110-3815    | 2    | Bolt              |
| 170  | 110-3816    | 1    | Fork Lever ASM    |
| 180  | 125-9099    | 1    | Switch-Magnetic   |
| 190  | 110-3818    | 1    | Screws (Set Of 4) |



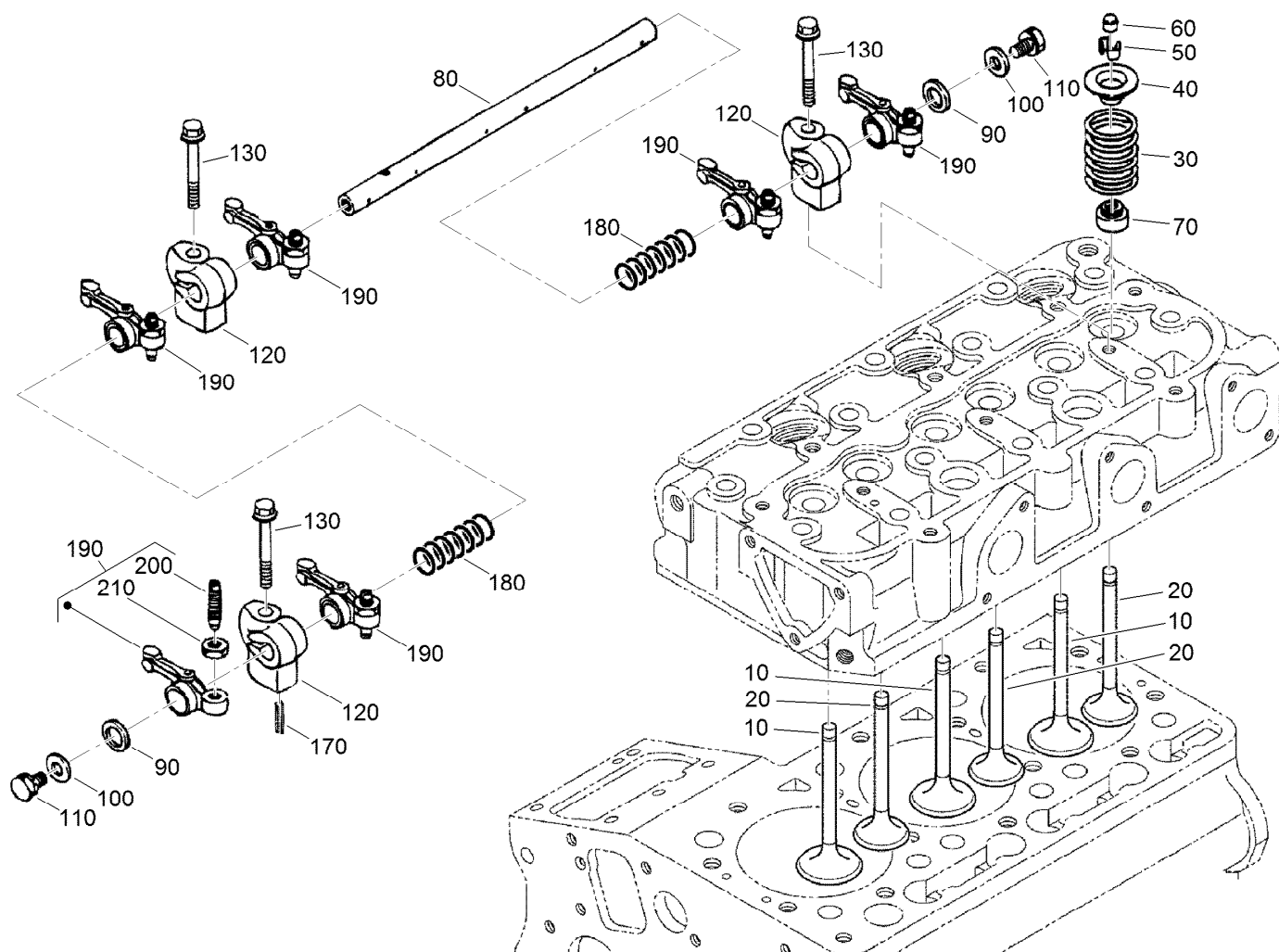
## Water Flange and Thermostat Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 121-2414    | 1    | Water Flange ASM     |
| 20   | 98-9580     | 1    | Pipe-Return, Water   |
| 30   | 98-9444     | 1    | Plug                 |
| 40   | 110-3820    | 1    | Gasket-Flange, Water |
| 50   | 110-3821    | 1    | Plug                 |
| 60   | 98-7692     | 2    | Bolt                 |
| 70   | 105-3797    | 1    | Bolt                 |
| 80   | 100-2017    | 1    | Pipe-Return, Water   |
| 90   | 121-3835    | 2    | Clamp-Hose           |
| 100  | 98-7778     | 1    | Thermostat ASM       |
| 110  | 121-2415    | 1    | Cover-Thermostat     |
| 120  | 105-3748    | 1    | Gasket-Thermostat    |
| 130  | 98-7438     | 2    | Bolt                 |



## Water Pump and Cooler Fan Assembly

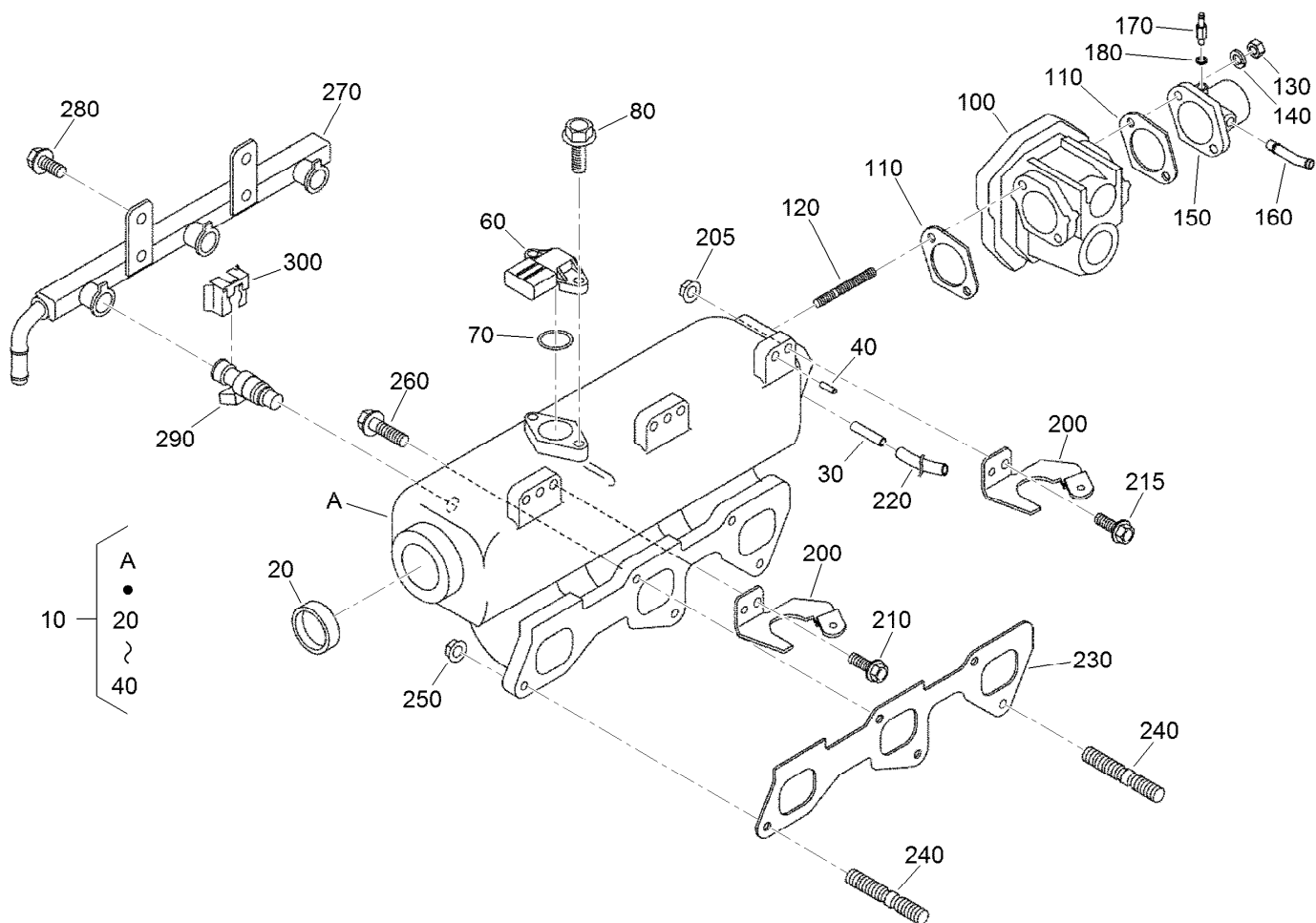
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 10          | 127-1607           | 1           | Water Pump ASM      |
| 20          | 100-1933           | 1           | Flange-Pump, Water  |
| 30          | 100-1934           | 1           | Bearing-Ball        |
| 40          | 99-3518            | 1           | Water Pump Seal ASM |
| 60          | 100-1932           | 1           | Pipe-Return, Water  |
| 70          | 117-0330           | 1           | Gasket-Pump, Water  |
| 80          | 100-1750           | 4           | Bolt                |
| 90          | 100-1764           | 1           | Bolt                |
| 100         | 127-1608           | 1           | Fan                 |
| 110         | 108-2872           | 1           | Collar-Fan          |
| 120         | 100-1921           | 1           | Pulley-Fan          |
| 130         | 108-2873           | 2           | Bolt-Flange         |



## Valve and Rocker Arm Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 10   | 125-9106    | 3    | Valve-Inlet            |
| 20   | 125-9114    | 3    | Valve-Exhaust          |
| 30   | 100-1823    | 6    | Spring-Valve           |
| 40   | 100-1825    | 6    | Retainer-Spring, Valve |
| 50   | 120-3136    | 6    | Collet-Spring, Valve   |
| 60   | 100-2155    | 6    | Cap-Valve              |
| 70   | 125-9128    | 6    | Seal-Stem, Valve       |
| 80   | 110-3831    | 1    | Shaft-Arm, Rocker      |
| 90   | 100-2044    | 2    | Washer                 |

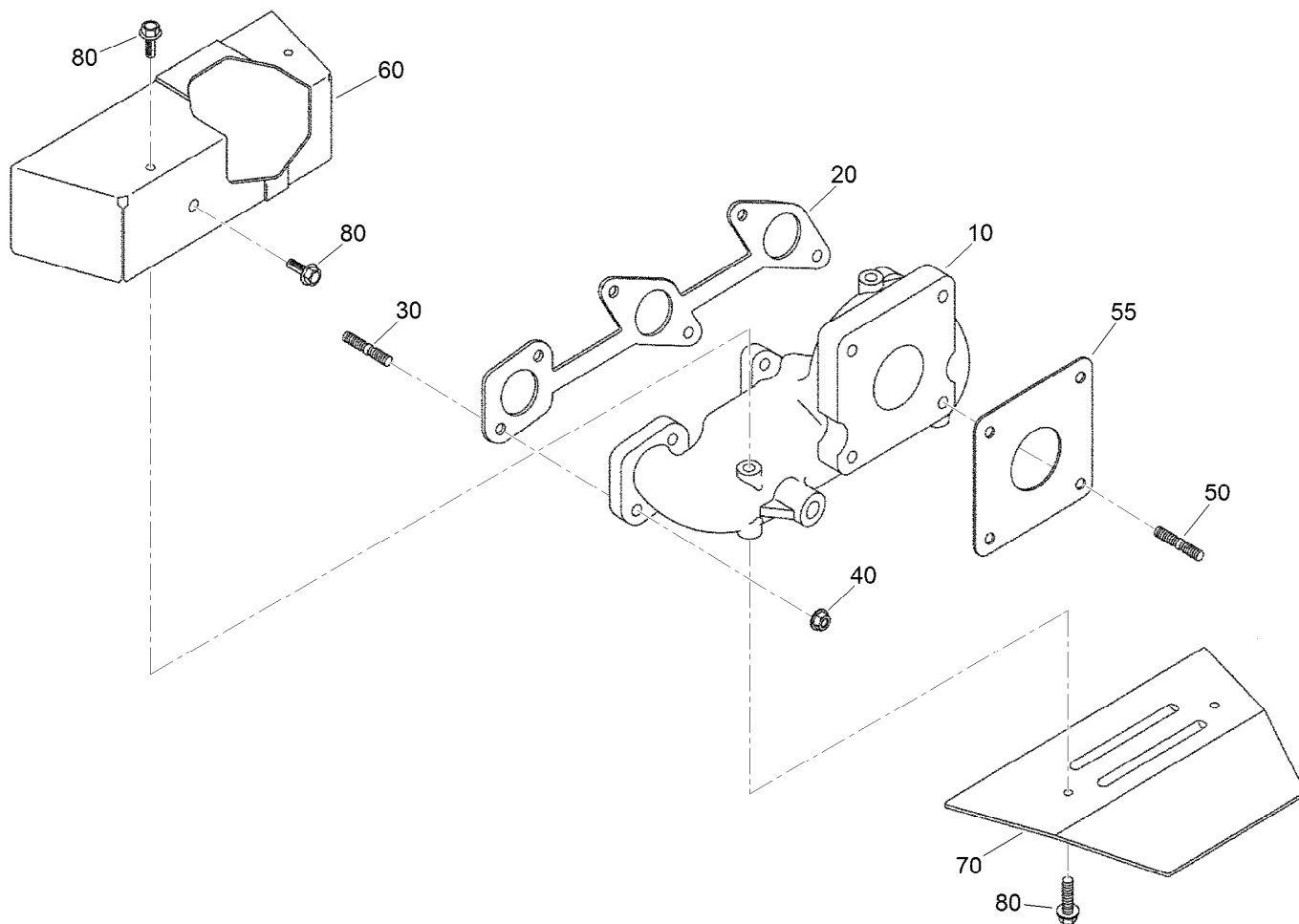
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 100  | 100-1927    | 2    | Washer-Plain        |
| 110  | 100-9265    | 2    | Bolt                |
| 120  | 110-3833    | 3    | Bracket-Arm, Rocker |
| 130  | 110-3834    | 3    | Bolt-Flange         |
| 170  | 98-7602     | 1    | Pin-Spring          |
| 180  | 110-3835    | 2    | Spring              |
| 190  | 100-1884    | 6    | Rocker Arm ASM      |
| 200  | 100-1885    | 6    | Screw-Adjusting     |
| 210  | 100-1827    | 6    | Nut                 |



## Inlet Manifold Assembly

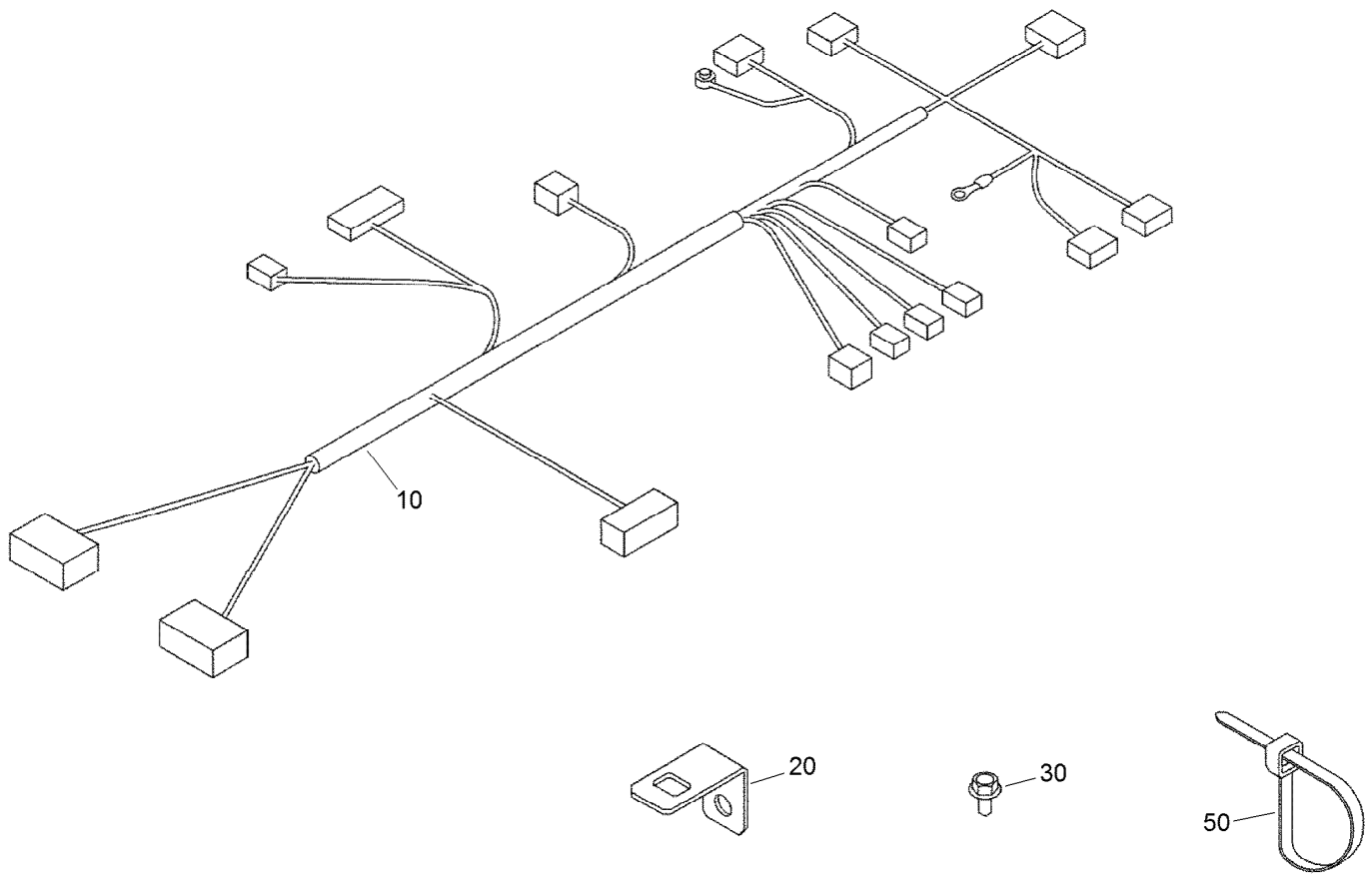
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 10   | 125-9122    | 1    | Intake Manifold ASM |
| 20   | 98-7539     | 1    | Cap-Sealing         |
| 30   | 125-9158    | 1    | Pin-Pipe            |
| 40   | 98-9375     | 3    | Pin-Straight        |
| 60   | 125-9110    | 1    | Sensor (Tmap)       |
| 70   | 125-9112    | 1    | O Ring              |
| 80   | 125-9111    | 2    | Bolt-Flange         |
| 100  | 125-9136    | 1    | Throttle Body ASM   |
| 110  | 125-9104    | 2    | Gasket-Cleaner, Air |
| 120  | 125-9093    | 2    | Stud                |
| 130  | 98-7534     | 2    | Nut                 |
| 140  | 105-2893    | 2    | Washer-Spring       |
| 150  | 125-9121    | 1    | Flange-Cleaner, Air |
| 160  | 110-3837    | 1    | Pipe-Breather       |
| 170  | 98-9431     | 1    | Screw-Bleeder, Air  |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 180  | 98-7654     | 1    | Gasket                  |
| 200  | 125-9146    | 3    | Stay-Coil, Ignition     |
| 205  | 100-2203    | 1    | Nut-Flange              |
| 210  | 99-8363     | 2    | Bolt-Flange             |
| 215  | 105-3789    | 1    | Bolt                    |
| 220  | 125-9097    | 1    | Tube-Fuel               |
| 230  | 125-9123    | 1    | Gasket-Manifold, Intake |
| 240  | 125-9092    | 2    | Stud                    |
| 250  | 100-2203    | 2    | Nut-Flange              |
| 260  | 98-9352     | 3    | Bolt                    |
| 270  | 125-9137    | 1    | Rail-Ignition, Fuel     |
| 280  | 98-7692     | 2    | Bolt                    |
| 290  | 125-9107    | 3    | Injector                |
| 300  | 125-9138    | 3    | Stopper-Injector        |



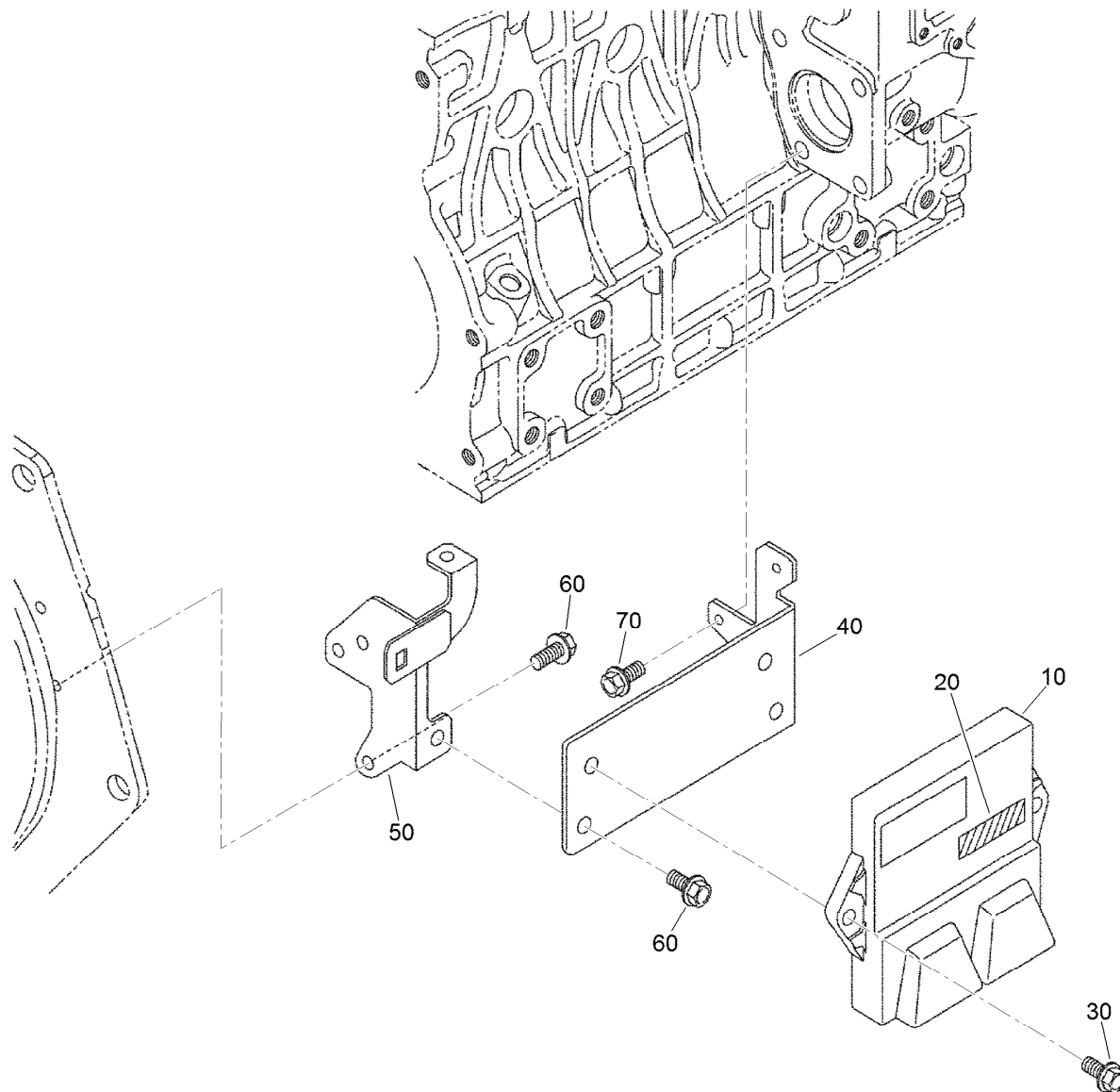
## Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 127-1609    | 1    | Manifold-Exhaust         |
| 20   | 110-3840    | 1    | Gasket-Manifold, Exhaust |
| 30   | 125-9149    | 6    | Bolt-Stud                |
| 40   | 100-1778    | 6    | Nut                      |
| 50   | 125-9100    | 4    | Stud                     |
| 55   | 125-9108    | 1    | Gasket-Muffler           |
| 60   | 125-9126    | 1    | Cover-Upper              |
| 70   | 125-9127    | 1    | Cover-Lower              |
| 80   | 125-9090    | 5    | Bolt                     |



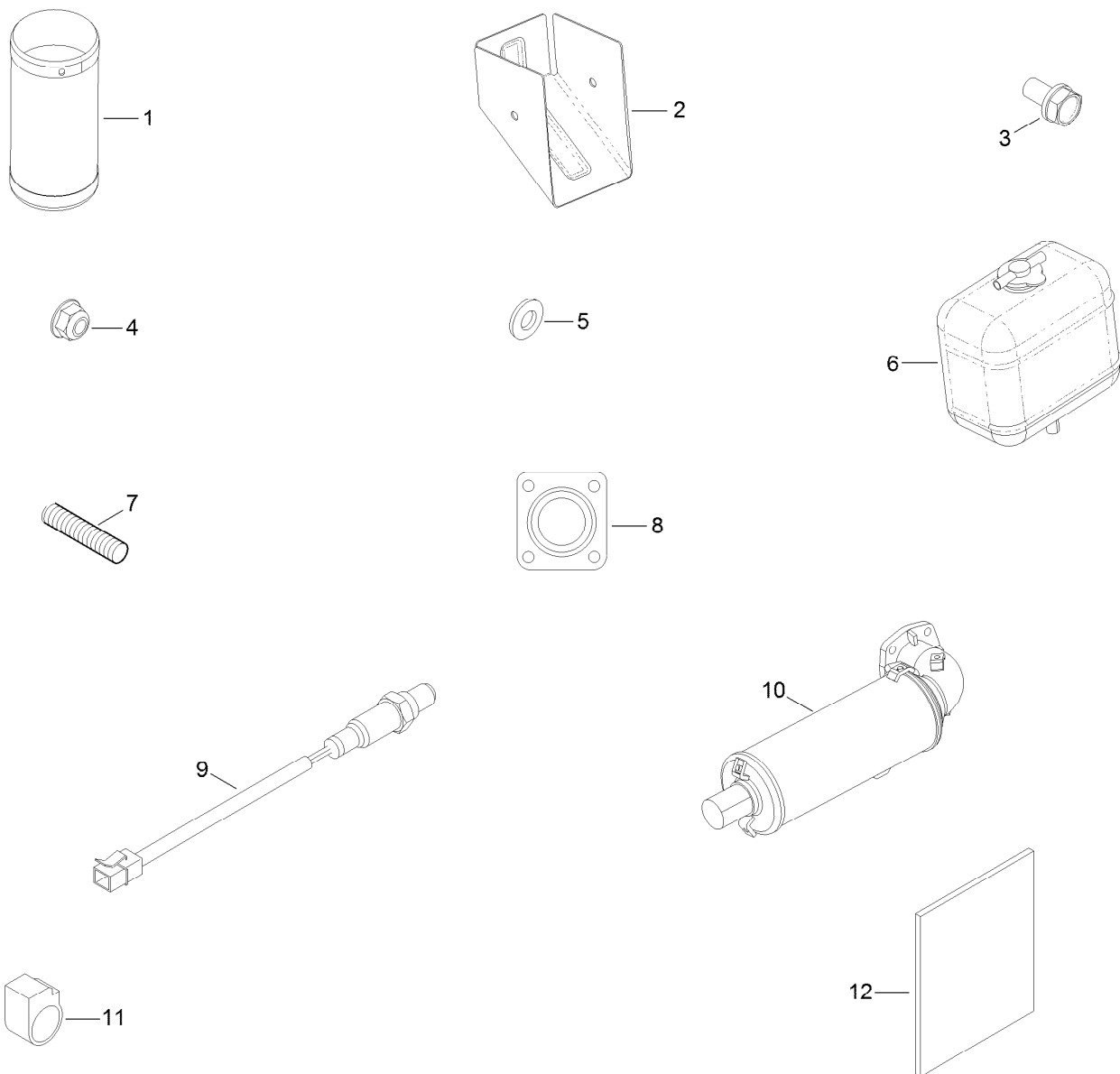
## Wire Harness Assembly

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 10          | 125-9143           | 1           | Harness-Wire, E C U |
| 20          | 125-9157           | 1           | Stay-Boom, Harness  |
| 30          | 115-8504           | 1           | Bolt-Flange         |
| 50          | 125-9101           | 2           | Band-Cord           |



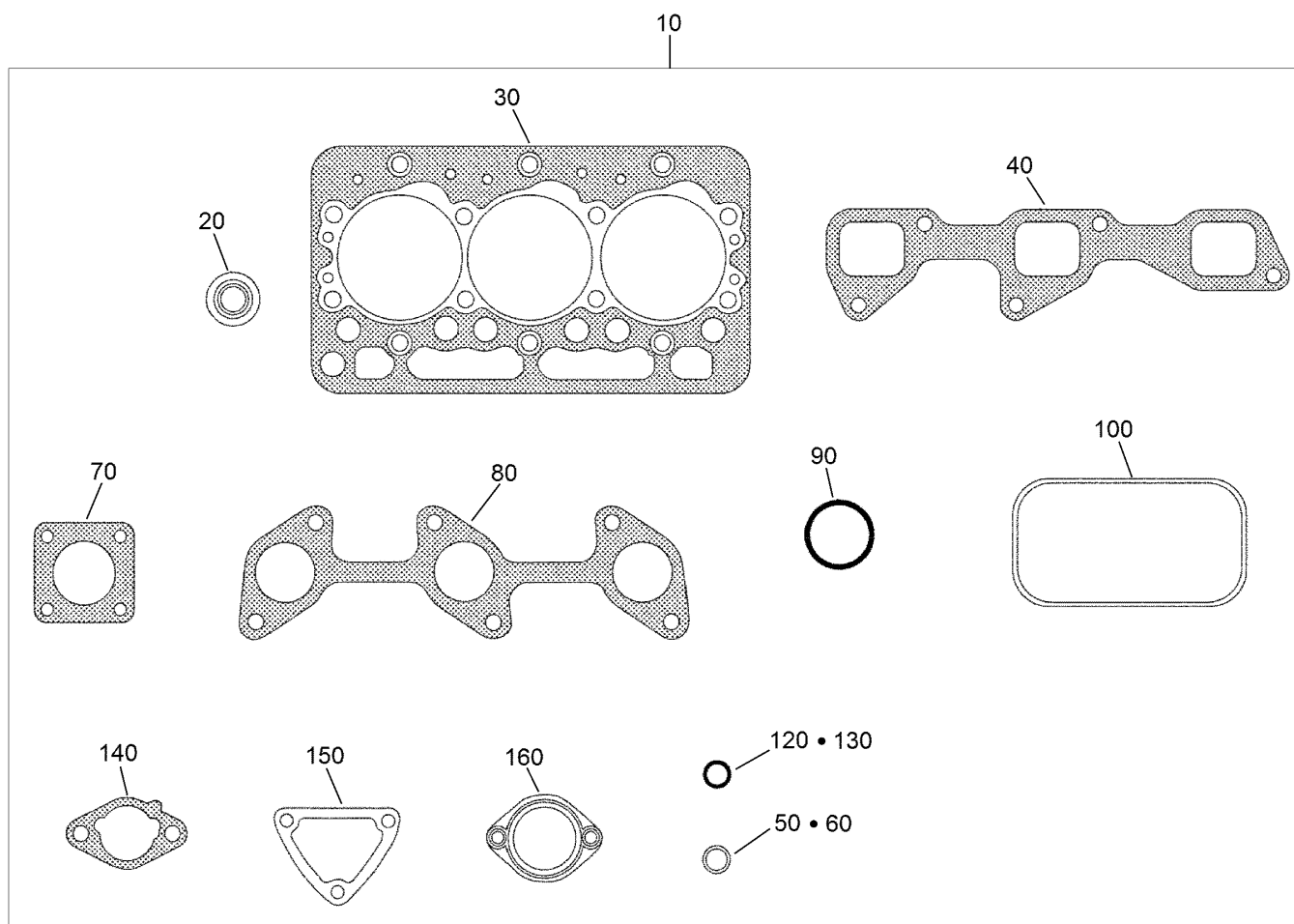
## Electronic Control Unit Assembly

| Ref. | Part Number | Qty. | Description |
|------|-------------|------|-------------|
| 10   | 127-1610    | 1    | E C U ASM   |
| 20   | 125-9147    | 1    | Label       |
| 30   | 108-2873    | 2    | Bolt-Flange |
| 40   | 125-9140    | 1    | Stay-E C U  |
| 50   | 125-9141    | 1    | Stay-E C U  |
| 60   | 100-1774    | 3    | Bolt-Flange |
| 70   | 115-8504    | 2    | Bolt-Flange |



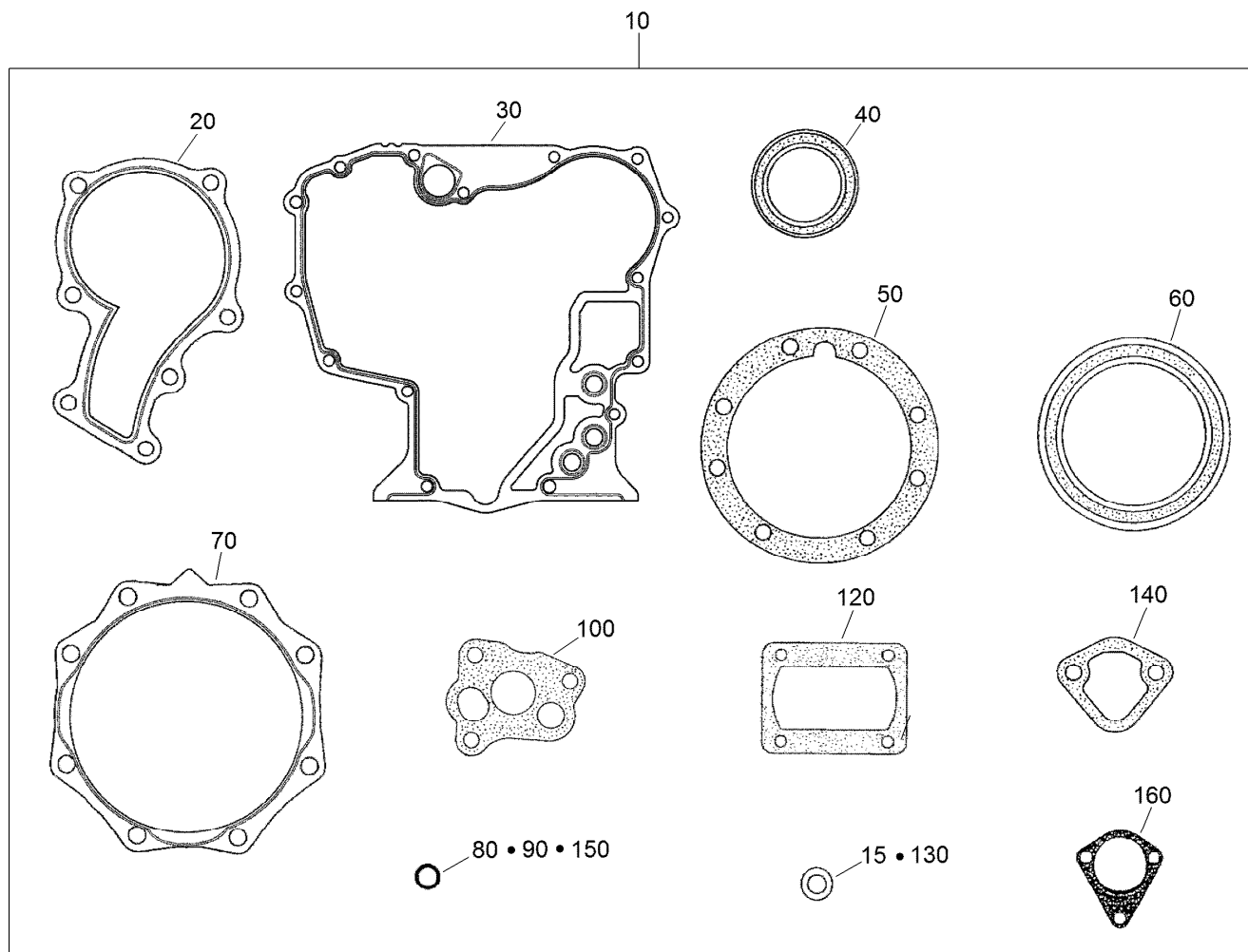
## Operator Manual and Miscellaneous Engine Parts

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 121-3545    | 1    | Cover-Muffler         |
| 2    | 121-3546    | 1    | Cover-Flange, Muffler |
| 3    | 98-9350     | 6    | Bolt                  |
| 4    | 125-9095    | 4    | Nut                   |
| 5    | 100-1781    | 6    | Washer-Plain          |
| 6    | 104-9318    | 1    | Bottle-Overflow       |
| 7    | 125-9100    | 4    | Stud                  |
| 8    | 125-9108    | 1    | Gasket-Muffler        |
| 9    | 125-9124    | 1    | *obs* Sensor (O2)     |
| 10   | 120-3547    | 1    | Muffler               |
| 11   | 127-0513    | 1    | Clamp                 |
| 12   | 125-9148    | 1    | Operator Manual       |



## Upper Engine Gasket Kit

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 10   | 125-9150    | 1    | Upper Gasket Kit         |
| 20   | 125-9128    | 6    | Seal-Stem, Valve         |
| 30   | 125-9113    | 1    | Gasket-Head              |
| 40   | 125-9123    | 1    | Gasket-Manifold, Intake  |
| 50   | 125-9112    | 1    | O Ring                   |
| 60   | 99-3446     | 1    | O-Ring                   |
| 70   | 125-9108    | 1    | Gasket-Muffler           |
| 80   | 110-3840    | 1    | Gasket-Manifold, Exhaust |
| 90   | 110-3846    | 1    | O Ring-Breather          |
| 100  | 125-9130    | 1    | Gasket-Cover, Head       |
| 120  | 125-9096    | 1    | Gasket                   |
| 130  | 98-7654     | 1    | Gasket                   |
| 140  | 125-9104    | 2    | Gasket-Cleaner, Air      |
| 150  | 110-3820    | 1    | Gasket-Flange, Water     |
| 160  | 105-3748    | 1    | Gasket-Thermostat        |



## Lower Engine Gasket Kit

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 10   | 125-9155    | 1    | Lower Gasket Kit     |
| 15   | 98-7524     | 1    | Gasket               |
| 20   | 117-8846    | 1    | Gasket-Pump, Water   |
| 30   | 117-0327    | 1    | Gasket-Case, Gear    |
| 40   | 120-7852    | 1    | Seal-Oil             |
| 50   | 100-1873    | 1    | Gasket-Case, Bearing |
| 60   | 110-3724    | 1    | Seal-Oil             |
| 70   | 100-1876    | 1    | Gasket-Cover, Case   |

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 80   | 100-2209    | 1    | O-Ring            |
| 90   | 105-3776    | 1    | O-Ring            |
| 100  | 100-2003    | 1    | Gasket-Pump, Oil  |
| 120  | 125-9105    | 1    | Gasket            |
| 130  | 98-7654     | 1    | Gasket            |
| 140  | 98-9636     | 1    | Gasket-Pump, Fuel |
| 150  | 127-1603    | 1    | O-Ring            |
| 160  | 100-2062    | 1    | Gasket            |

# Attachments and Accessories

## For 30809 Groundsmaster 3500-G Rotary Mower

| Product Name                                                | Model/Part  |
|-------------------------------------------------------------|-------------|
| Roller Scraper Kit.....                                     | 104-5168    |
| Blade-High Lift .....                                       | 104-5183    |
| Blade-Angle Sail .....                                      | 105-9810-03 |
| Blade-Atomic .....                                          | 107-0235-03 |
| 27in Blade Service Pack (qty 6) .....                       | 108-1462    |
| Blade-Combo.....                                            | 108-9026-03 |
| LH Short Liftarm Assembly .....                             | 115-3465    |
| RH Short Liftarm Assembly.....                              | 115-3466    |
| Wireless Hourmeter .....                                    | 115-4754    |
| External Antenna Kit, Wireless Hourmeter System .....       | 115-9524    |
| Base Station Kit, Wireless Hourmeter System .....           | 115-9542    |
| Repeater Kit, Wireless Hourmeter System .....               | 115-9543    |
| Sectional Roller Assembly .....                             | 117-5121    |
| Large Seat Cover.....                                       | 120-5179    |
| Roller Asm (UHMW) .....                                     | 131-7800    |
| PX Hydraulic Fluid (5 Gal) .....                            | 133-8086    |
| PX Hydraulic Fluid (55 Gal).....                            | 133-8087    |
| Ballast Kit (27in C/U) .....                                | 136-2881    |
| Bimini Sunshade for 2-Post Roll-Over Protection System..... | 30358       |
| Premium Seat Kit.....                                       | 30629       |
| 27in Rotary Cutting Unit.....                               | 30834       |
| Leaf Mulching Kit .....                                     | 30836       |
| Work Light Kit .....                                        | 30841       |
| MVP Kit, 1000 Hour .....                                    | 44965       |

**Notes:**



**Count on it.**