



**Count on it.**

# Parts Catalog

## **Z580-D Z Master®**

**With 52 Rear Discharge Mower**

**Model No. 74279TE—Serial No. 311000001 and Up**

# Ordering Replacement Parts

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

## Understanding Reference Numbers

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

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

## Service Assembly Reference Numbers

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

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

## Reference Numbers Indicating Quantity

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

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

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** Liquid Propane

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

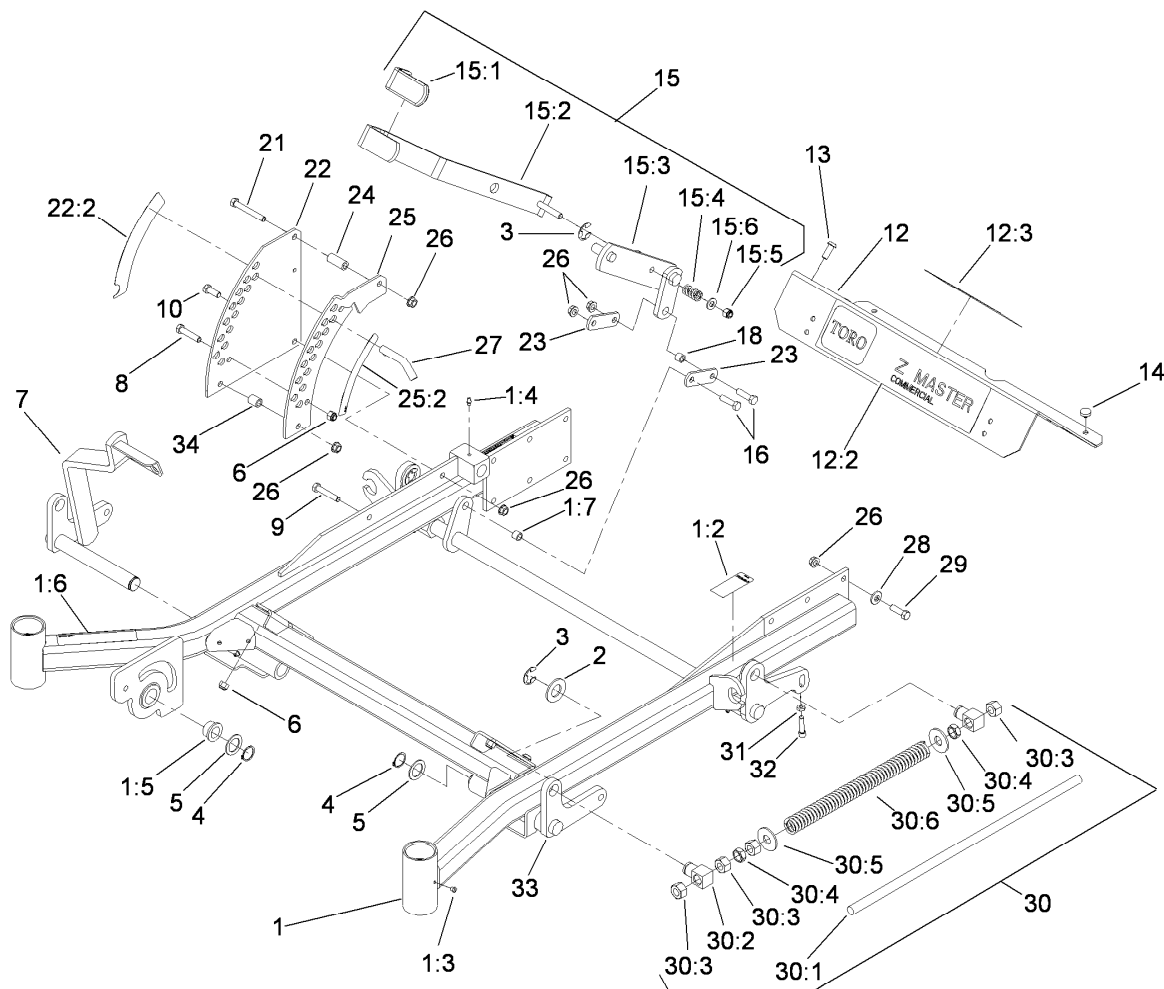
**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

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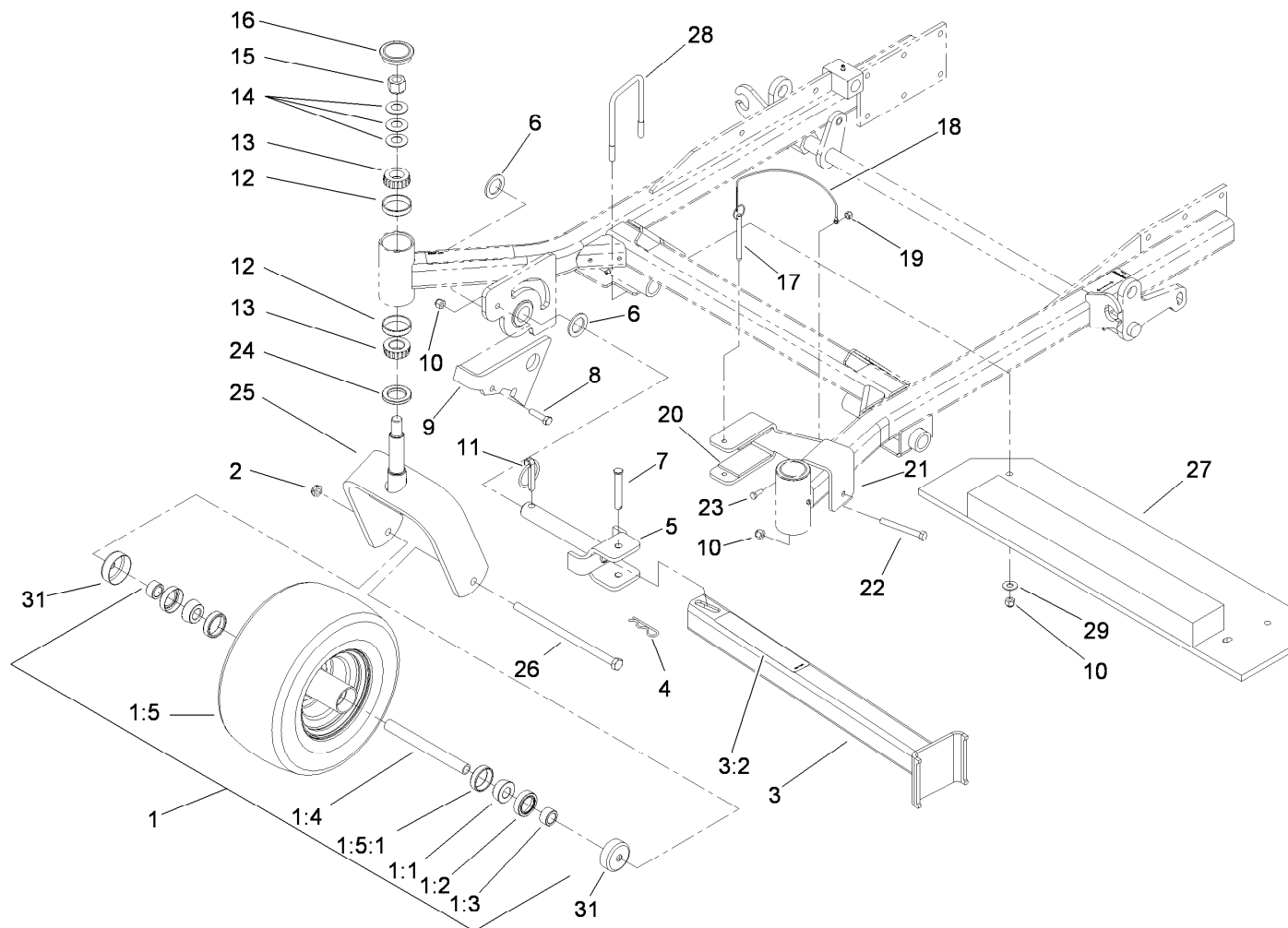


## Front Frame Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 110-0800    | 1    | Frame ASM              |
| 1:2  | 107-3968    | 1    | Decal-Brake, Parking   |
| 1:3  | 1-811010    | 2    | Plug                   |
| 1:4  | 302-19      | 5    | Fitting-Grease         |
| 1:5  | 94-1291     | 2    | Bushing                |
| 1:6  | 107-3969    | 1    | Decal-Warning          |
| 1:7  | 103-1918    | 1    | Bushing                |
| 2    | 3256-29     | 4    | Washer-Flat            |
| 3    | 32151-103   | 5    | Ring-Retaining, EXT    |
| 4    | 32151-29    | 2    | Ring-Retaining         |
| 5    | 1-523157    | 2    | Washer-Spacer          |
| 6    | 3296-39     | 5    | Nut-Lock, NI           |
| 7    | 108-7786-01 | 1    | RH Front Deck Lift ASM |
| 8    | 323-9       | 1    | Screw-HH               |
| 9    | 323-10      | 1    | Screw-HH               |
| 10   | 323-6       | 1    | Screw-HH               |
| 12   | 107-3976    | 1    | Footrest               |
| 12:2 | 106-7451    | 1    | Decal                  |
| 12:3 | 107-1866    | 1    | Decal-Danger, Slope    |
| 13   | 3274-94     | 4    | Screw-HSBH             |
| 14   | 1-513658    | 2    | Bumper                 |
| 15   | 110-5860    | 1    | Deck Lift Handle ASM   |
| 15:1 | 1-633295    | 1    | Grip-Lever, Lift       |
| 15:2 | 103-2083    | 1    | Lever-Lift             |
| 15:3 | 103-2064    | 1    | Arm-Lift, Deck         |
| 15:4 | 1-633325    | 1    | Spring-Compression     |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 15:5 | 3296-39     | 1    | Nut-Lock, NI             |
| 15:6 | 3256-24     | 1    | Washer-Flat              |
| 16   | 323-29      | 2    | Screw-HH                 |
| 18   | 103-1918    | 1    | Bushing                  |
| 21   | 323-11      | 1    | Screw-HH                 |
| 22   | 117-0367    | 1    | Plate-HOC, Outer         |
| 22:2 | 107-3961    | 1    | Decal-Height, Deck       |
| 23   | 1-633068    | 2    | Arm-Lift, Deck           |
| 24   | 1-633082    | 1    | Bushing-Lever, Lift      |
| 25   | 117-0370    | 1    | Plate-HOC, Inner         |
| 25:2 | 107-3962    | 1    | Decal-Height, Deck       |
| 26   | 3290-357    | 17   | Nut-HHF, Whiz            |
| 27   | 109-8757    | 1    | Pin-HOC                  |
| 28   | 98-5975     | 12   | Washer-Belleville        |
| 29   | 323-7       | 12   | Screw-HH                 |
| 30   |             | 2    | Front Frame Spring ASM ● |
| 30:1 | 1-633096    | 1    | Rod-Lift, Deck           |
| 30:2 | 1-633441    | 2    | Swivel-Deck Mount, Rear  |
| 30:3 | 3217-11     | 4    | Nut-Hex                  |
| 30:4 | 3218-6      | 2    | Nut-Jam                  |
| 30:5 | 3256-7      | 2    | Washer-Flat              |
| 30:6 | 1-633064    | 1    | Spring-Support, Deck     |
| 31   | 3218-2      | 2    | Nut-Jam                  |
| 32   | 3274-18     | 2    | Screw-HSH                |
| 33   | 106-8984-01 | 1    | LH Deck Lift ASM         |
| 34   | 1-633080    | 1    | Bushing-Lever, Lift      |

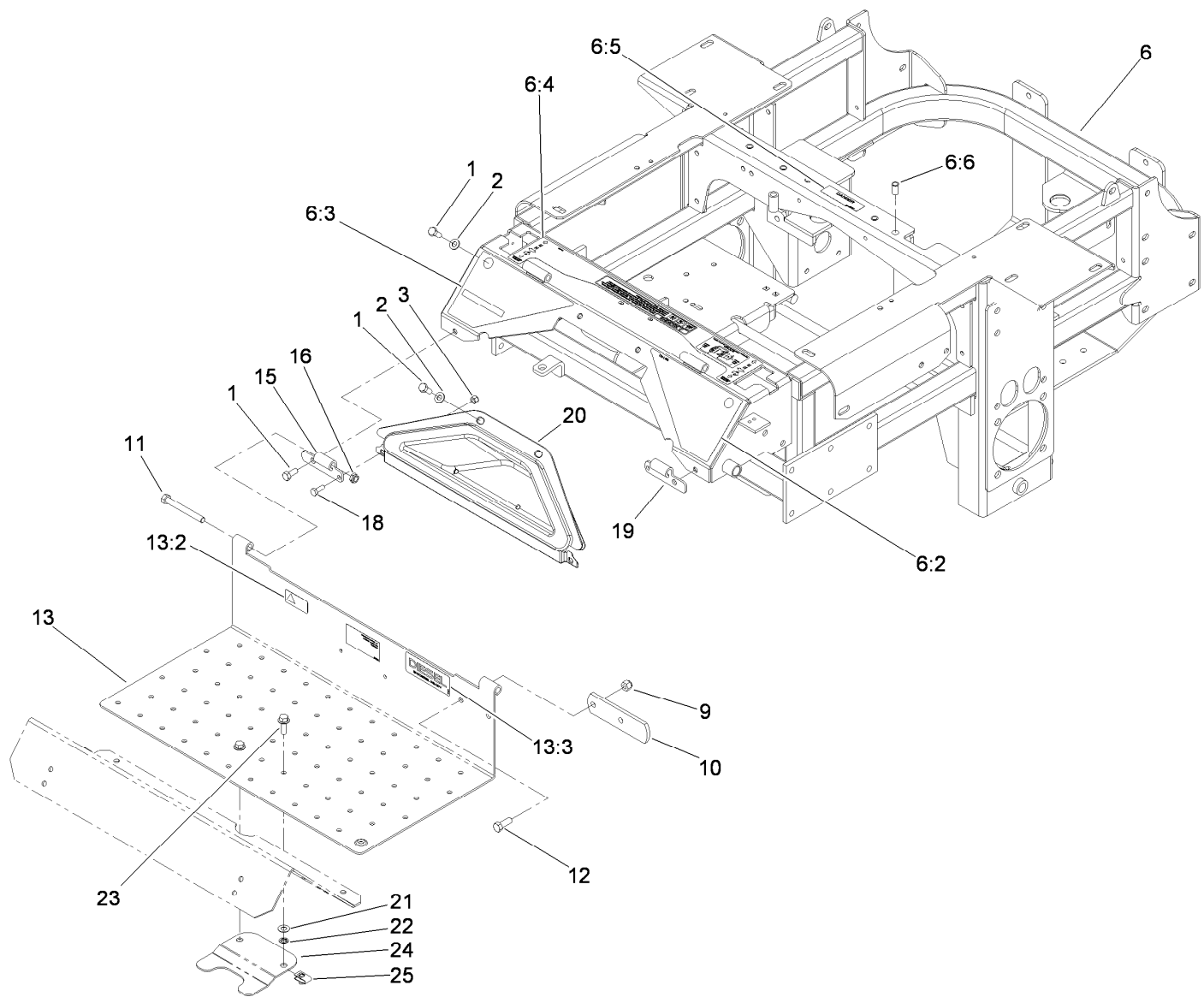
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## Fork, Caster Wheel and Z Stand Assembly

| Ref.  | Part Number | Qty. | Description          |
|-------|-------------|------|----------------------|
| 1     | 109-9125    | 2    | Wheel And Tire ASM   |
| 1:1   | 1-633585    | 2    | Bearing-Cone, Taper  |
| 1:2   | 103-0063    | 2    | Seal-Caster          |
| 1:3   | 103-3051    | 2    | Spacer-Nut           |
| 1:4   | 103-5156    | 1    | Axle-Caster          |
| 1:5   | 109-9124    | 1    | Wheel And Tire ASM   |
| 1:5:1 | 1-633584    | 1    | Bearing-Cup          |
| 2     | 3296-23     | 2    | Nut-Lock, NI         |
| 3     | 107-1874    | 1    | Leg ASM              |
| 3:2   | 106-7464    | 1    | Decal-Z Stand        |
| 4     | 3290-355    | 1    | Pin-Hair             |
| 5     | 100-9692-01 | 1    | Pivot Pin ASM        |
| 6     | 3-6781      | 2    | Washer-Thrust        |
| 7     | 283-55      | 1    | Pin-Clevis           |
| 8     | 323-8       | 1    | Screw-HH             |
| 9     | 100-9686-01 | 1    | Bracket-Latch        |
| 10    | 3296-39     | 6    | Nut-Lock, NI         |
| 11    | 283-71      | 1    | Pin-Lynch            |
| 12    | 254-72      | 4    | Bearing-Cup, Tapered |

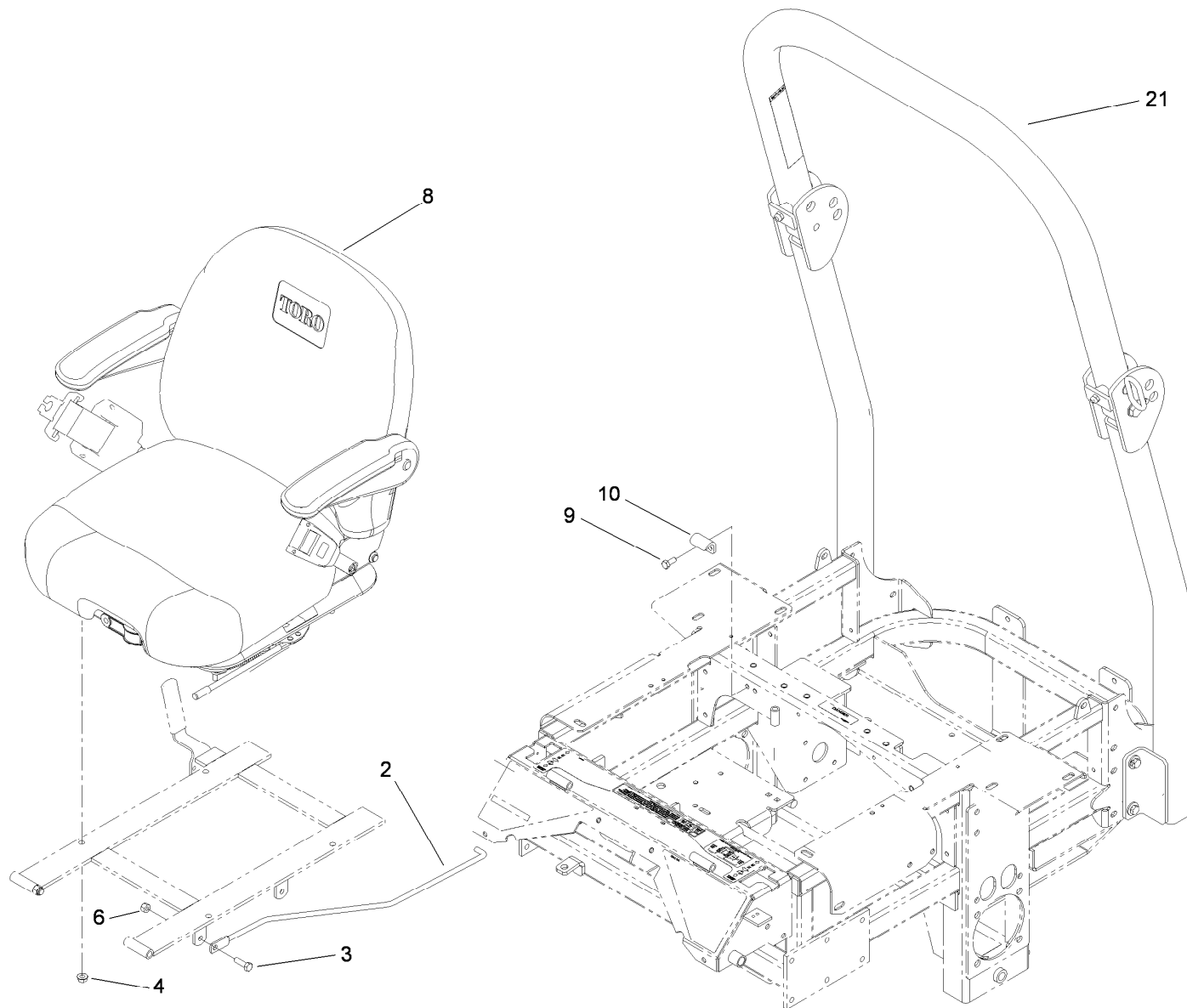
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 13   | 254-94      | 4    | Bearing-Cone, Tapered |
| 14   | 1-633508    | 6    | Washer-Bellville      |
| 15   | 3296-51     | 2    | Nut-Lock, NI          |
| 16   | 103-4882    | 2    | Cap-Grease            |
| 17   | 105-1647    | 1    | Pin-Hitch, Cotterless |
| 18   | 100-9385    | 1    | Lanyard-Nylon         |
| 19   | 3296-42     | 1    | Nut-Lock, NI          |
| 20   | 100-6547    | 2    | Cushion-Rubber        |
| 21   | 100-6542-01 | 1    | Bracket-Cradle        |
| 22   | 323-20      | 1    | Screw-HH              |
| 23   | 321-4       | 1    | Screw-HH              |
| 24   | 1-543511    | 2    | Seal-Grease           |
| 25   | 1-642111-01 | 2    | Caster                |
| 26   | 325-24      | 2    | Screw-HH              |
| 27   | 107-9874-01 | 1    | Weight ASM            |
| 28   | 110-0817    | 2    | U-Bolt, 3 Inch        |
| 29   | 3256-4      | 4    | Washer-Flat           |
| 31   | 103-2768    | 4    | Guard-Seal            |



## Traction Frame and Floor Pan Assembly

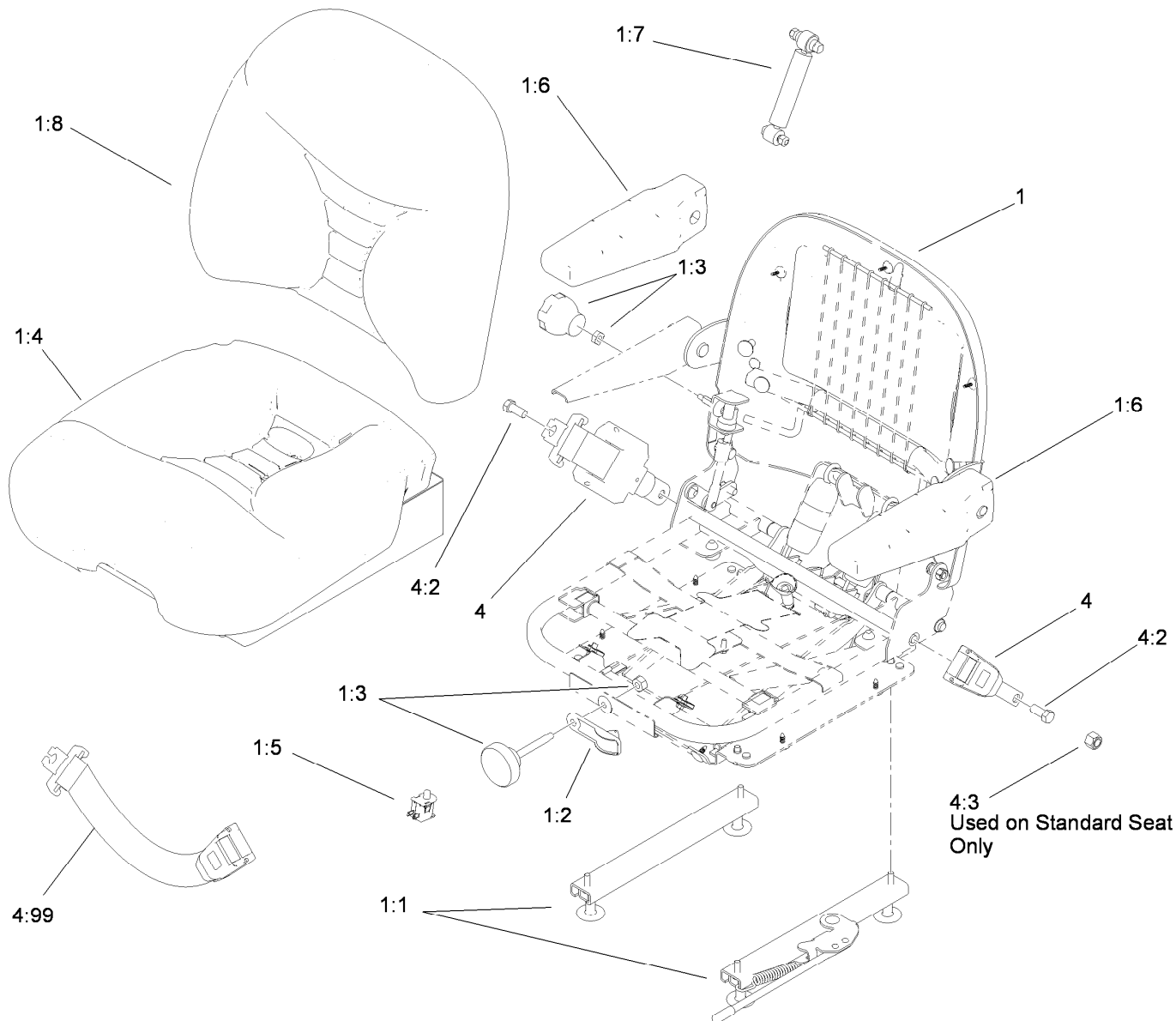
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 322-43      | 6    | Screw-HH                |
| 2    | 3256-70     | 4    | Washer-Flat             |
| 3    | 3296-42     | 2    | Nut-Lock, NI            |
| 6    | 115-2757    | 1    | Traction Frame ASM      |
| 6:2  | 107-3963    | 1    | Decal-Danger, Left      |
| 6:3  | 107-3964    | 1    | Decal-Warning, Right    |
| 6:4  | 110-0820    | 1    | Decal-Console, Top (Ce) |
| 6:5  | 98-1977     | 1    | Decal-Warning           |
| 6:6  | 32148-11    | 5    | Insert-Threaded         |
| 9    | 3296-39     | 2    | Nut-Lock, NI            |
| 10   | 1-633964-03 | 1    | Stop-Brake, Park        |
| 11   | 323-20      | 2    | Screw-HH                |
| 12   | 323-6       | 2    | Screw-HH                |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 13   | 115-3851    | 1    | Floor Pan ASM           |
| 13:2 | 98-4387     | 1    | Decal-Protection, Ear   |
| 13:3 | 114-5879    | 1    | Decal-Diesel, Bio-Ready |
| 15   | 106-7488-03 | 1    | Hinge-Floorpan, LH      |
| 16   | 3296-59     | 2    | Nut-Lock, NI            |
| 18   | 321-4       | 2    | Screw-HH                |
| 19   | 106-7489-03 | 1    | Hinge-Floorpan, RH      |
| 20   | 106-7498    | 1    | Pocket                  |
| 21   | 73-0041     | 2    | Washer-Thrust           |
| 22   | 117-2749    | 2    | Nut-Push                |
| 23   | 3234-29     | 2    | Screw-HHF               |
| 24   | 119-0395-03 | 1    | Adapter-Captive         |
| 25   | 94-2413     | 2    | U-Nut                   |



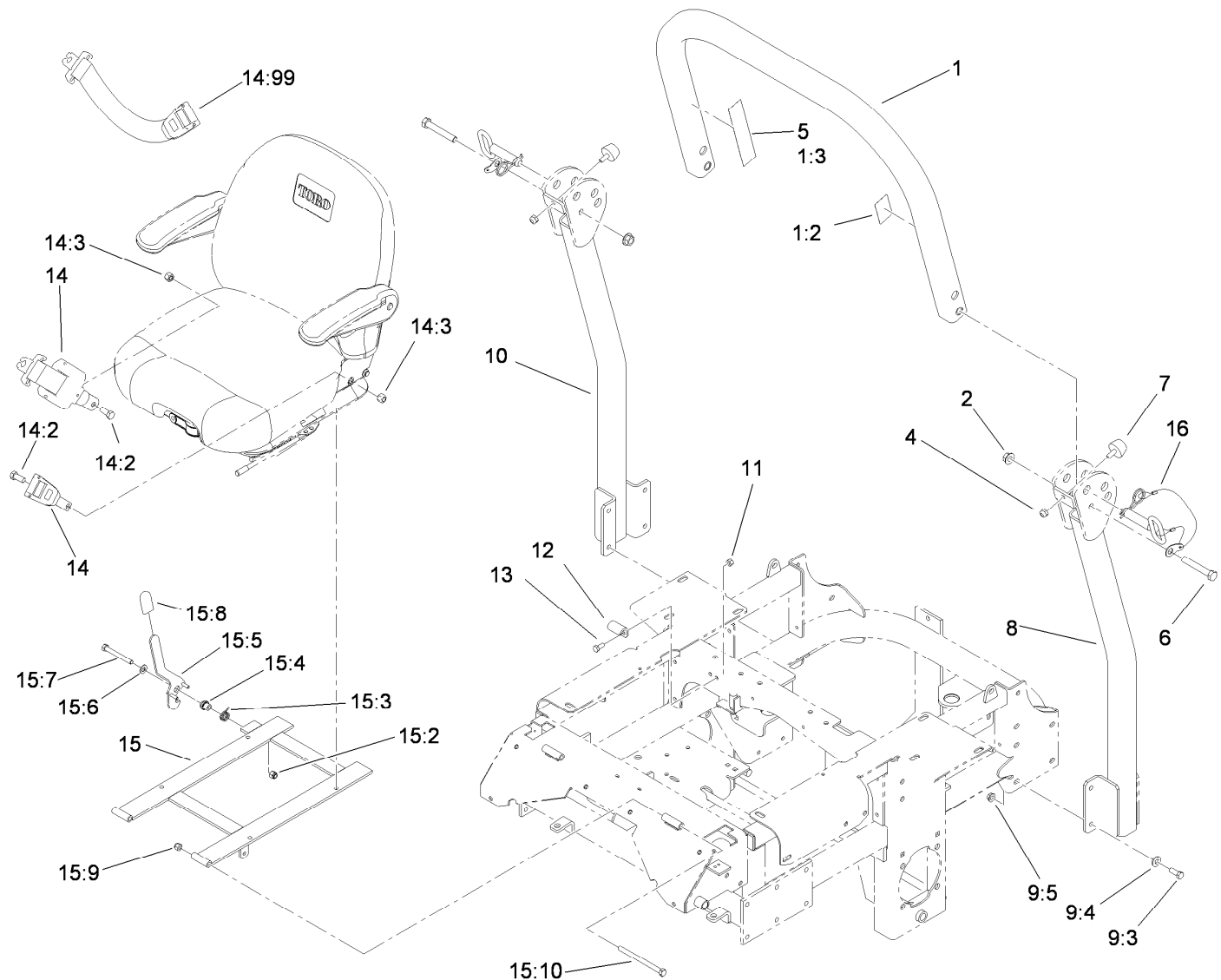
## Roll-Over Protection System Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 2    | 108-5341    | 1    | Rod-Prop, Seat    |
| 3    | 322-5       | 1    | Screw-HH          |
| 4    | 32128-20    | 4    | Nut-HF            |
| 6    | 3296-29     | 3    | Nut-Lock, NI      |
| 8    | 110-0838    | 1    | Deluxe Seat ASM   |
| 9    | 322-3       | 2    | Screw-HH          |
| 10   | 107-3058    | 1    | Catch-Latch, Seat |
| 21   | 110-0877    | 1    | ROPS Kit          |



## Deluxe Seat Assembly No. 110-0838

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 112-8355    | 1    | Seat-Suspension          |
| 1:1  | 107-1880    | 1    | Seat Track Kit           |
| 1:2  | 107-1885    | 1    | Weight Indicator Kit     |
| 1:3  | 107-1881    | 1    | Knob Kit                 |
| 1:4  | 107-1883    | 1    | Bottom Cushion Kit       |
| 1:5  | 82-2190     | 1    | Switch-Bail              |
| 1:6  | 107-1887    | 1    | Armrest Kit              |
| 1:7  | 107-1884    | 1    | Shock Absorber Kit       |
| 1:8  | 112-8356    | 1    | Cushion-Back             |
| 4    | 110-0883    | 1    | Retractable Seatbelt Kit |
| 4:2  | 3212-4      | 2    | Screw-HH                 |
| 4:3  | 3296-7      | 2    | Nut-Lock                 |
| 4:99 | 109-6226    | 1    | Seat Belt Extension Kit  |



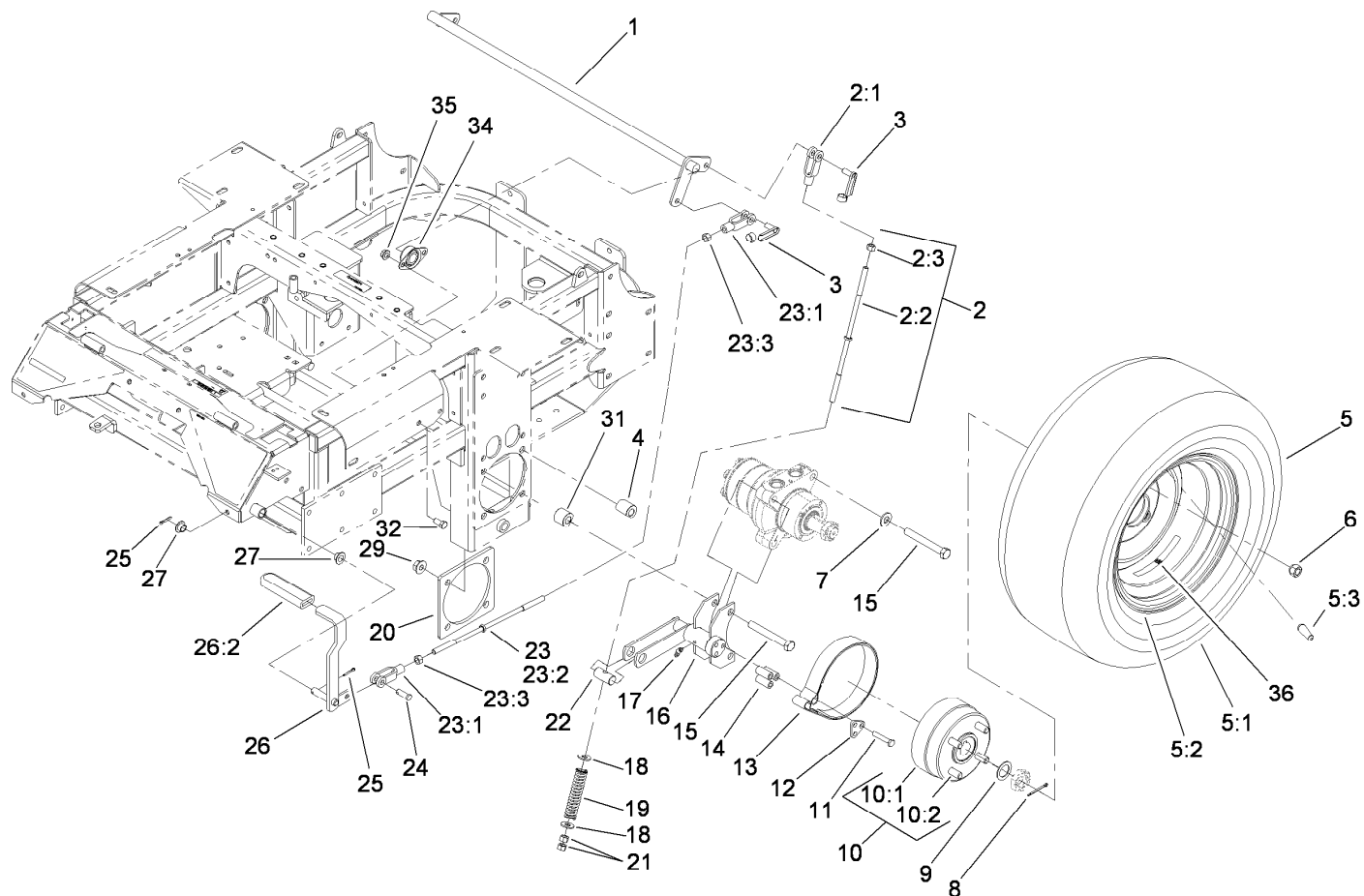
## Roll-Over Protection System Assembly No. 110-0877

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    |             | 1    | Upper Tube ASM ■            |
| 1:2  | 107-2101    | 1    | Decal-ROPS                  |
| 1:3  | 107-2102    | 1    | Decal-Warning, Folding ROPS |
| 2    | 32128-23    | 2    | Nut-HF                      |
| 4    | 3296-73     | 2    | Nut-Lock, NI                |
| 5    | 107-3069    | 1    | Decal-Warning, Folding ROPS |
| 6    | 325-13      | 2    | Screw-HH                    |
| 7    | 109-2365    | 2    | Rubber Bumper ASM (W/Stud)  |
| 8    |             | 1    | Tube-Support, LH ■          |
| 9    |             | 1    | Bag-Bolt, ROPS ● ■          |
| 9:3  | 323-6       | 8    | Screw-HH                    |
| 9:4  | 98-5975     | 8    | Washer-Belleville           |
| 9:5  | 3290-357    | 8    | Nut-HHF, Whiz               |
| 10   |             | 1    | Tube-Support, RH ■          |
| 11   | 3296-29     | 2    | Nut-Lock, NI                |

| Ref.  | Part Number | Qty. | Description              |
|-------|-------------|------|--------------------------|
| 12    | 107-3058    | 1    | Catch-Latch, Seat        |
| 13    | 322-3       | 2    | Screw-HH                 |
| 14    | 110-0883    | 1    | Retractable Seatbelt Kit |
| 14:2  | 3212-4      | 2    | Screw-HH                 |
| 14:3  | 3296-7      | 2    | Nut-Lock                 |
| 14:99 | 109-6226    | 1    | Seat Belt Extension Kit  |
| 15    | 110-0874    | 1    | Seatframe ASM            |
| 15:2  | 3296-39     | 1    | Nut-Lock, NI             |
| 15:3  | 107-0076    | 1    | Spring-Torsion           |
| 15:4  | 107-0075    | 1    | Bushing-Latch, Seat      |
| 15:5  | 107-3083    | 1    | Latch ASM                |
| 15:6  | 3256-24     | 1    | Washer-Flat              |
| 15:7  | 323-20      | 1    | Screw-HH                 |
| 15:8  | 103-4434    | 1    | Grip-Lever               |
| 15:9  | 3296-39     | 2    | Nut-Lock, NI             |
| 15:10 | 323-39      | 2    | Screw-HH                 |
| 16    | 103-4553    | 2    | ROPS Fold Pin ASM        |

● Not illustrated

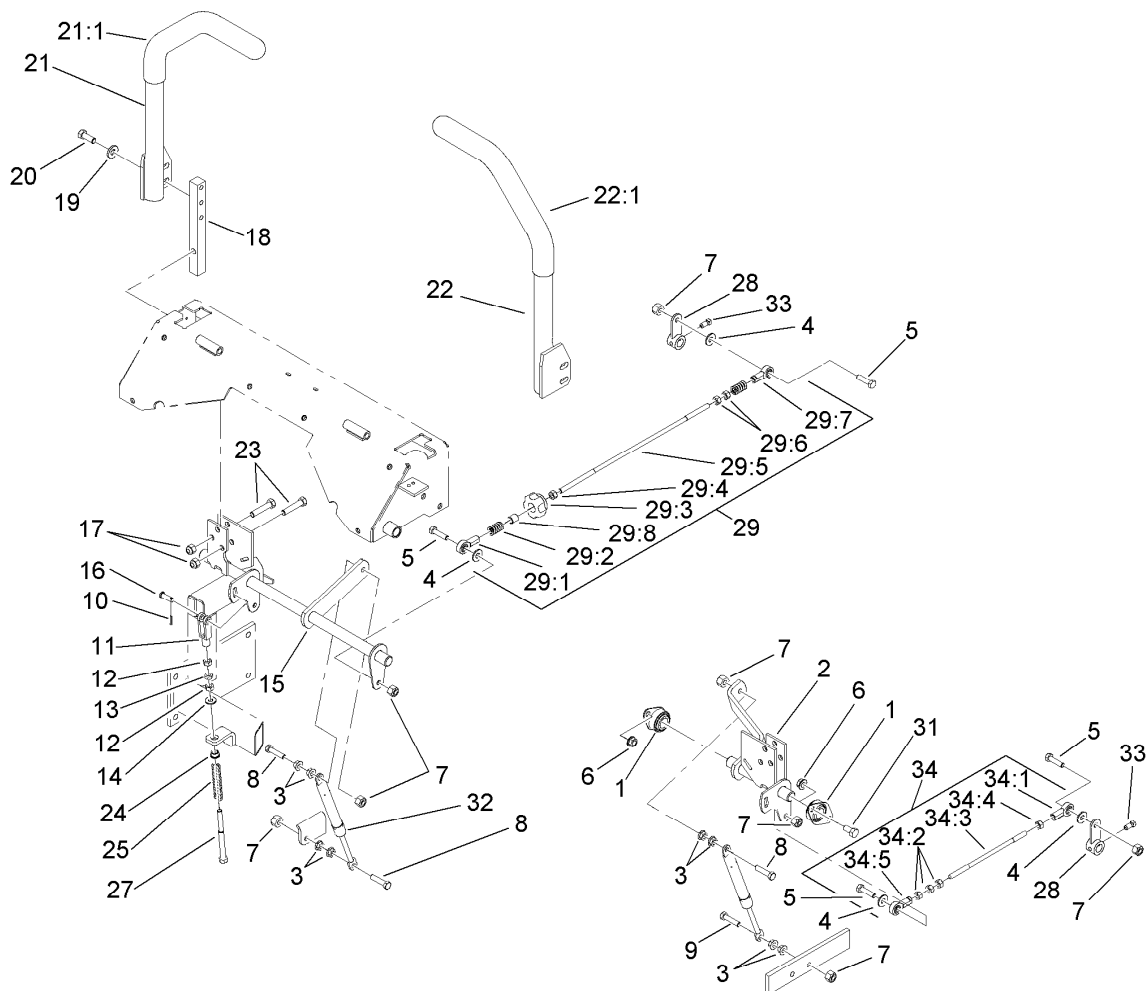
■ Not serviced separately



## Main Frame and Rear Wheel Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 1-632217-03 | 1    | Shaft-Brake          |
| 2    | 108-5963    | 2    | Brake Rod ASM        |
| 2:1  | 1-633131    | 1    | Yoke-Linkage, Brake  |
| 2:2  | 108-5980    | 1    | Rod-Brake            |
| 2:3  | 3219-3      | 1    | Nut-Hex              |
| 3    | 103-2399    | 3    | Pin-Spring, Clevis   |
| 4    | 114-1185    | 4    | Spacer-Wheel, Long   |
| 5    | 1-653010    | 2    | Wheel And Tire ASM   |
| 5:1  | 1-653160    | 1    | Tire                 |
| 5:2  | 1-653158    | 1    | Wheel                |
| 5:3  | 232-27      | 1    | Stem-Valve           |
| 6    | 242-50      | 8    | Nut-Lug              |
| 7    | 87-7270     | 4    | Washer-Thrust        |
| 8    | 1-806800    | 2    | Pin-Cotter           |
| 9    | 1-523157    | 2    | Washer-Spacer        |
| 10   | 103-0590    | 2    | Hub And Wheel ASM    |
| 10:1 | 103-0589    | 1    | Wheel Hub ASM        |
| 10:2 | 1-633926    | 4    | Stud-Wheel           |
| 11   | 322-9       | 6    | Screw-HH             |
| 12   | 103-0374    | 2    | Retainer-Band, Brake |
| 13   | 103-0355    | 2    | Band-Brake           |
| 14   | 103-0384    | 6    | Spacer               |
| 15   | 325-18      | 8    | Screw-HH             |

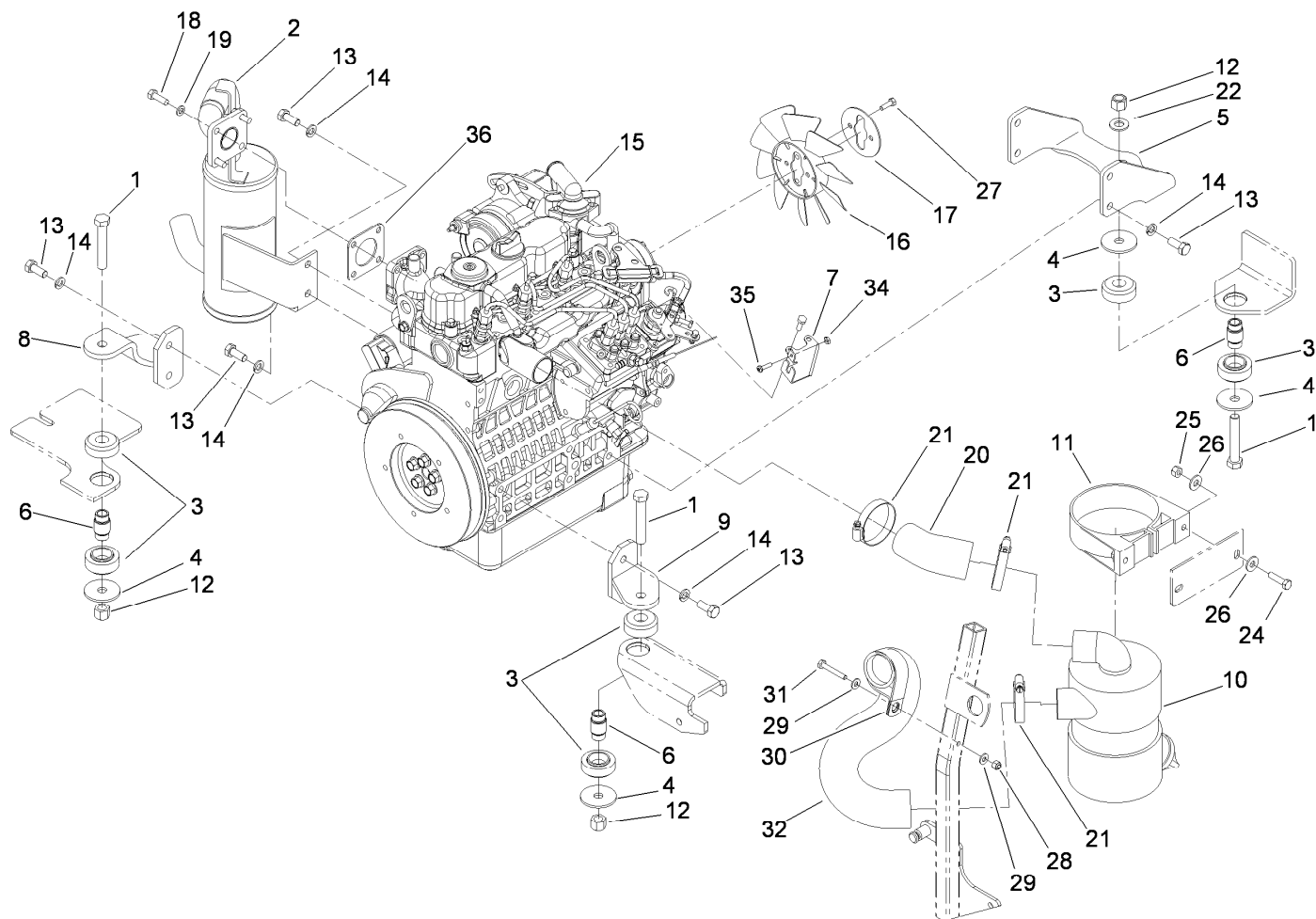
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 16   | 103-0352-03 | 2    | Bracket-Brake        |
| 17   | 1481        | 2    | Fitting-Grease       |
| 18   | 3256-4      | 4    | Washer-Flat          |
| 19   | 1-633454    | 2    | Spring-Brake         |
| 20   | 103-3271-03 | 2    | Plate-Reinforcement  |
| 21   | 3219-3      | 4    | Nut-Hex              |
| 22   | 1-633144    | 2    | Pin-Trunion          |
| 23   | 108-5962    | 1    | Brake Rod ASM        |
| 23:1 | 1-633131    | 2    | Yoke-Linkage, Brake  |
| 23:2 | 1-633477    | 1    | Rod-Brake            |
| 23:3 | 3219-3      | 2    | Nut-Hex              |
| 24   | 1-808285    | 1    | Pin-Clevis           |
| 25   | 3272-10     | 2    | Pin-Cotter           |
| 26   | 1-634500    | 1    | Brake Lever ASM      |
| 26:2 | 1-633268    | 1    | Grip-Lever           |
| 27   | 1-513140    | 2    | Bearing-Control      |
| 29   | 32128-49    | 8    | Nut-HHF              |
| 31   | 114-1184    | 4    | Spacer-Wheel, Short  |
| 32   | 323-4       | 4    | Screw-HH             |
| 34   | 1-633102    | 2    | Bearing-Flange, Side |
| 35   | 3290-357    | 4    | Nut-HHF, Whiz        |
| 36   | 109-7949    | 2    | Decal                |



## Hydro Control Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 1-633102    | 4    | Bearing-Flange, Side  |
| 2    | 107-3480    | 1    | LH Motion Control ASM |
| 3    | 32128-20    | 10   | Nut-HF                |
| 4    | 3256-3      | 4    | Washer-Flat           |
| 5    | 322-6       | 4    | Screw-HH              |
| 6    | 3290-357    | 6    | Nut-HHF, Whiz         |
| 7    | 3296-29     | 8    | Nut-Lock, NI          |
| 8    | 1-403180    | 3    | Screw-HH              |
| 9    | 322-41      | 1    | Screw-HH              |
| 10   | 3272-5      | 2    | Pin-Cotter            |
| 11   | 1-303105    | 2    | Yoke-Adjustable       |
| 12   | 3219-2      | 4    | Nut-Hex               |
| 13   | 3220-2      | 2    | Nut-Jam               |
| 14   | 3256-2      | 2    | Washer-Flat           |
| 15   | 107-3481    | 1    | RH Motion Control ASM |
| 16   | 1-808280    | 2    | Pin-Clevis            |
| 17   | 3296-39     | 6    | Nut-Lock, NI          |
| 18   | 103-0407    | 2    | Arm-Shaft, Control    |
| 19   | 98-5975     | 4    | Washer-Belleville     |
| 20   | 323-6       | 4    | Screw-HH              |
| 21   | 108-7237    | 1    | RH Lever ASM          |
| 21:1 | 106-9987    | 1    | Grip-Control, Motion  |
| 22   | 108-7238    | 1    | LH Lever ASM          |
| 22:1 | 106-9987    | 1    | Grip-Control, Motion  |

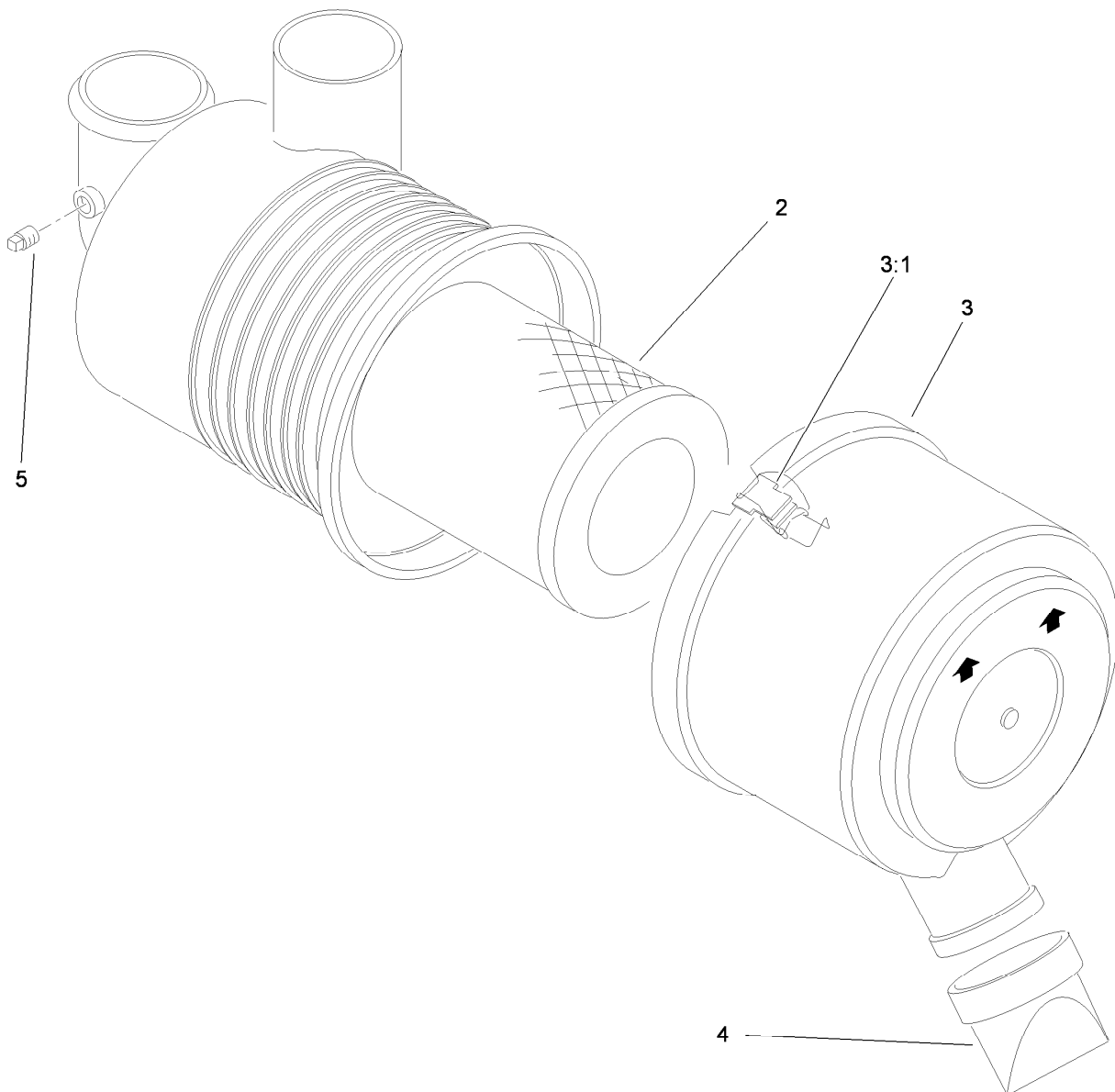
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 23   | 323-9       | 6    | Screw-HH                  |
| 24   | 1-603735    | 2    | Bushing-Flanged           |
| 25   | 1-603807    | 2    | Spring-Return, Neutral    |
| 27   | 1-603737    | 2    | Bolt-Return, Neutral      |
| 28   | 107-3470-03 | 2    | Hydraulic Control Arm ASM |
| 29   | 107-3474    | 1    | RH Control Rod ASM        |
| 29:1 | 1-543017    | 1    | Balljoint-RH              |
| 29:2 | 1-323245    | 2    | Spring-Compression        |
| 29:3 | 103-3060    | 1    | Knob-Tracking             |
| 29:4 | 3219-2      | 1    | Nut-Hex                   |
| 29:5 | 107-3472    | 1    | Rod-Control, RH           |
| 29:6 | 1-804524    | 2    | Nut                       |
| 29:7 | 1-633152    | 1    | Balljoint-LH              |
| 29:8 | 103-1166    | 1    | Spacer-Tube, Pump Link    |
| 31   | 323-4       | 6    | Screw-HH                  |
| 32   | 109-2339    | 2    | Damper-Control, Motion    |
| 33   | 1-803022    | 2    | Screw-Set                 |
| 34   | 107-3475    | 1    | LH Control Rod ASM        |
| 34:1 | 1-543017    | 1    | Balljoint-RH              |
| 34:2 | 3219-2      | 3    | Nut-Hex                   |
| 34:3 | 107-3473    | 1    | Rod-Control, LH           |
| 34:4 | 1-804524    | 1    | Nut                       |
| 34:5 | 1-633152    | 1    | Balljoint-LH              |



## Engine, Exhaust and Air Intake Assembly

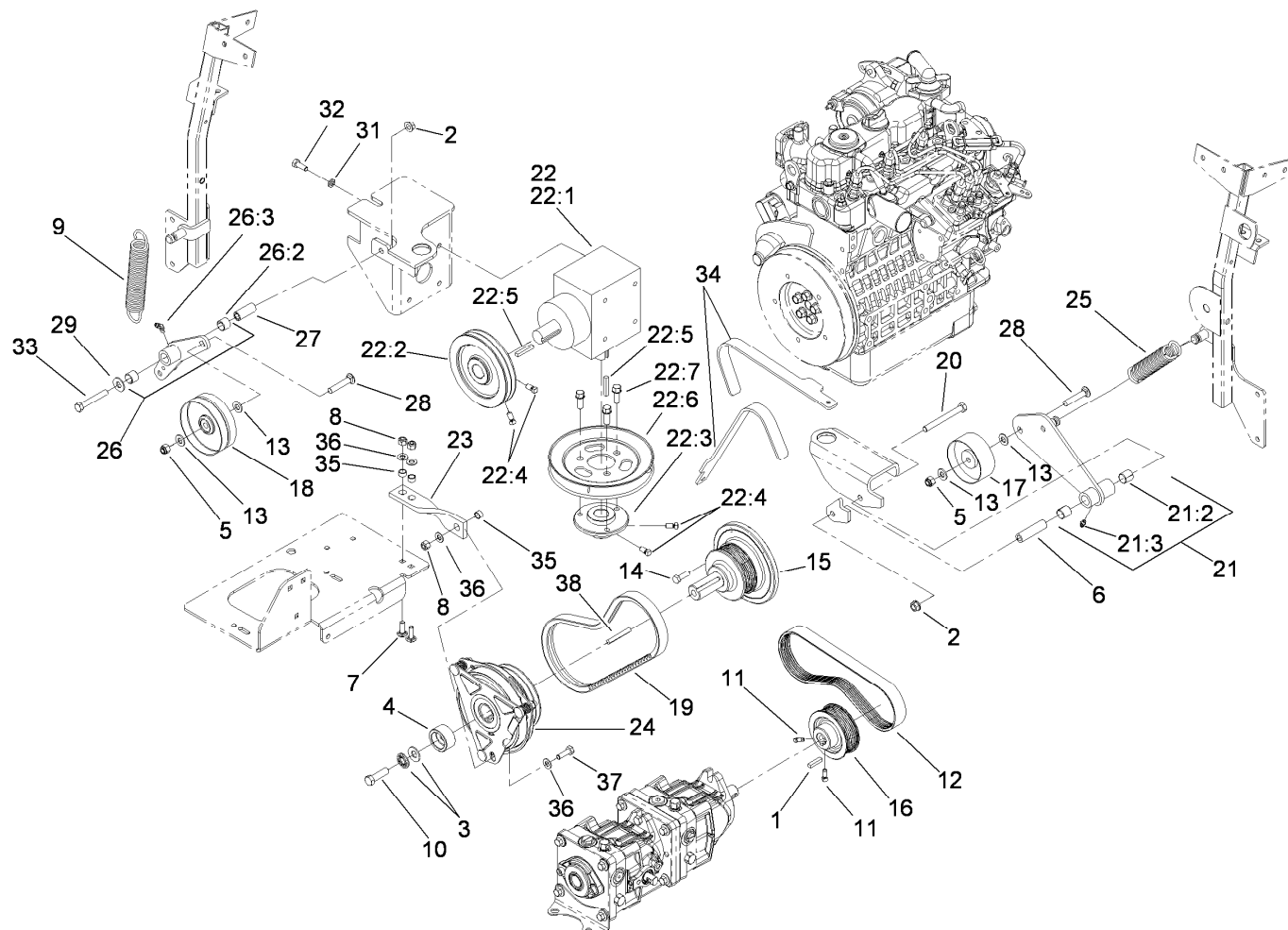
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 325-12      | 3    | Screw-HH                   |
| 2    | 107-9909    | 1    | Muffler                    |
| 3    | 107-9914    | 3    | Mount-Isolation            |
| 4    | 55-7960     | 4    | Washer-Large               |
| 5    | 107-9917-03 | 1    | Bracket-Engine Mount, Rear |
| 6    | 110-0300    | 3    | Spacer                     |
| 7    | 108-5922    | 1    | Bracket-Support, Throttle  |
| 8    | 107-9920-03 | 1    | RH Engine Support ASM      |
| 9    | 107-9930-03 | 1    | LH Engine Support ASM      |
| 10   | 93-2190     | 1    | Air Cleaner ASM            |
| 11   | 95-5806     | 1    | Bracket-Mounting           |
| 12   | 3296-23     | 3    | Nut-Lock, NI               |
| 13   | 43-0090     | 10   | Screw-HH                   |
| 14   | 42-9600     | 10   | Washer-Lock, Spring        |
| 15   | 114-8220    | 1    | Engine-Kubota              |
| 16   | 110-0814    | 1    | Fan                        |
| 17   | 110-0816    | 1    | Plate-Reatainer, Fan       |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 18   | 33114-025   | 4    | Screw-HH                 |
| 19   | 3253-4      | 4    | Washer-Lock              |
| 20   | 108-5371    | 1    | Hose-Intake, Air Cleaner |
| 21   | 1-643009    | 3    | Clamp-Hose               |
| 22   | 3256-26     | 1    | Washer-Flat              |
| 24   | 322-6       | 2    | Screw-HH                 |
| 25   | 3296-29     | 2    | Nut-Lock, NI             |
| 26   | 3256-23     | 4    | Washer-Flat              |
| 27   | 33113-020   | 2    | Screw-HH                 |
| 28   | 3296-42     | 1    | Nut-Lock, NI             |
| 29   | 3256-22     | 2    | Washer-Flat              |
| 30   | 1-643241    | 1    | Clip-Loom                |
| 31   | 321-10      | 1    | Screw-HH                 |
| 32   | 108-5370    | 1    | Hose-Intake, Engine      |
| 34   | 3217-26     | 1    | Nut-Hex                  |
| 35   | 110-0863    | 1    | Screw-Torx               |
| 36   | 99-8343     | 1    | Gasket-Muffler           |



## 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          |

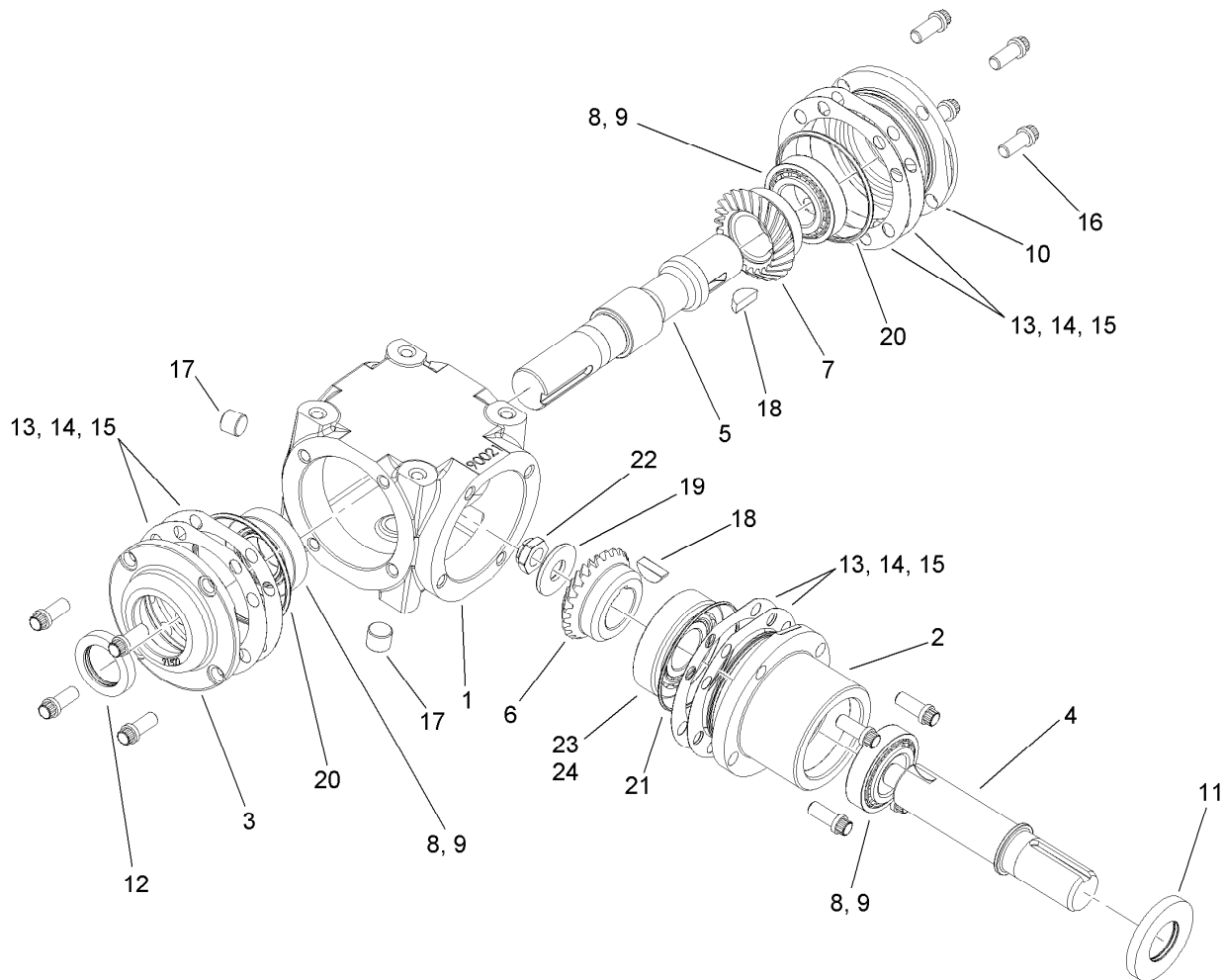


## Hydro and Gearbox Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 5-0698      | 1    | Key                  |
| 2    | 3290-357    | 2    | Nut-HHF, Whiz        |
| 3    | 1-603610    | 2    | Washer-Spring        |
| 4    | 114-8152    | 1    | Retainer-Clutch      |
| 5    | 3296-39     | 2    | Nut-Lock, NI         |
| 6    | 1-603384    | 1    | Bushing-Pivot, Idler |
| 7    | 3230-22     | 2    | Screw-CARR           |
| 8    | 3296-29     | 3    | Nut-Lock, NI         |
| 9    | 119-0392    | 1    | Spring-Extension     |
| 10   | 3212-6      | 1    | Screw-HH             |
| 11   | 1-803022    | 2    | Screw-Set            |
| 12   | 107-9910    | 1    | Belt-V               |
| 13   | 3256-24     | 5    | Washer-Flat          |
| 14   | 33114-025   | 5    | Screw-HH             |
| 15   | 112-2335    | 1    | Stub Shaft           |
| 16   | 108-5976    | 1    | Pulley               |
| 17   | 108-5910    | 1    | Pulley-Flat          |
| 18   | 110-0803    | 1    | Pulley-Flat          |
| 19   | 110-0805    | 1    | Belt-V               |
| 20   | 323-15      | 1    | Screw-HH             |
| 21   | 108-5939    | 1    | Pump Idler Arm ASM   |
| 21:2 | 1-513034    | 2    | Sleeve-Bearing       |
| 21:3 | 302-5       | 1    | Fitting-Grease       |
| 22   |             | 1    | Gearbox ASM ●        |
| 22:1 | 107-9887    | 1    | Gearbox-90 DEG       |

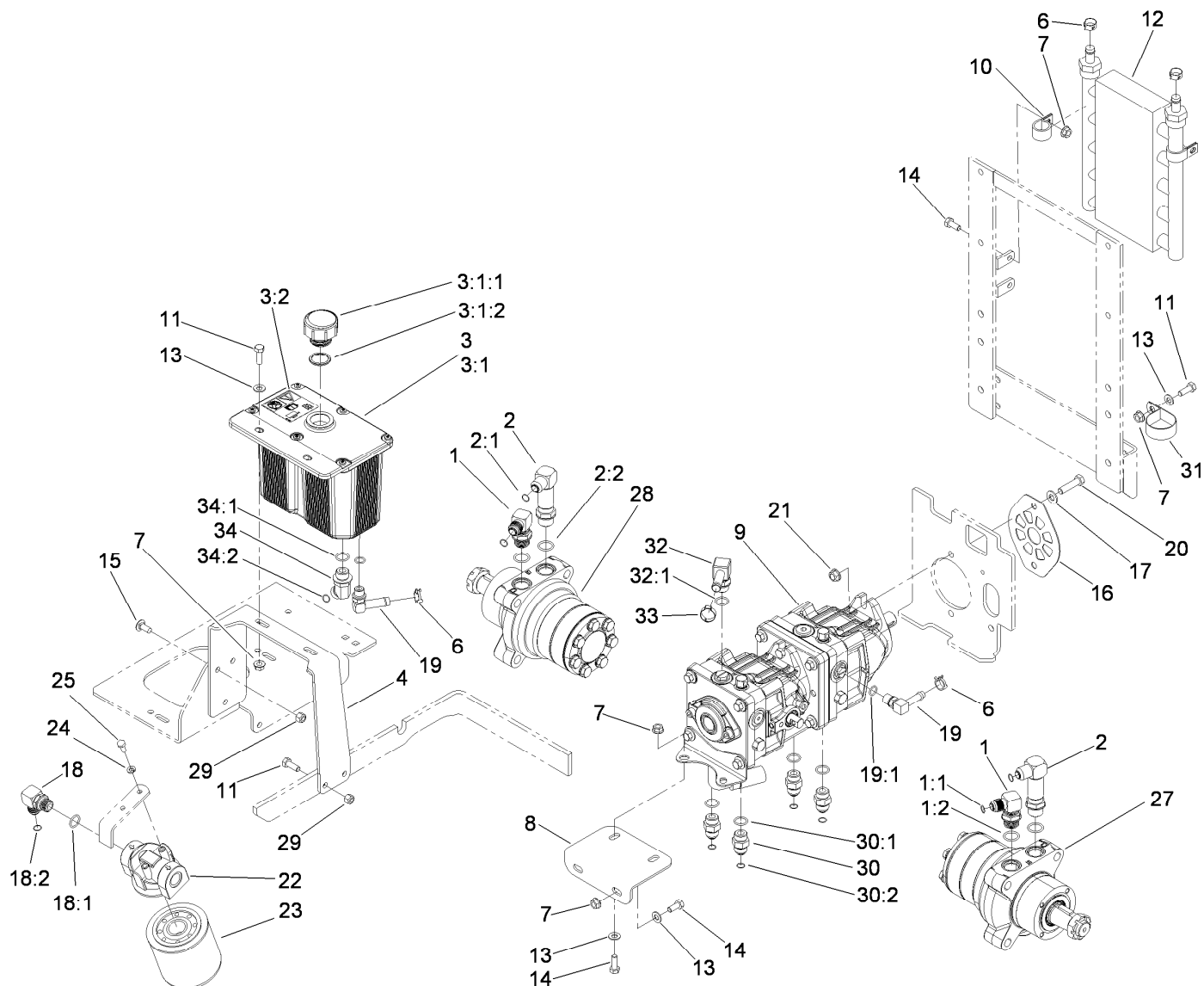
| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 22:2 | 108-5912    | 1    | Pulley                         |
| 22:3 | 112-3894    | 1    | Hub-Pulley                     |
| 22:4 | 1-803022    | 4    | Screw-Set                      |
| 22:5 | 67-7490     | 2    | Key-Square                     |
| 22:6 | 108-5979    | 1    | Pulley-B Section               |
| 22:7 | 92-1624     | 3    | Screw-HWH                      |
| 23   | 112-1781    | 1    | Strap-Stop, Clutch             |
| 24   | 112-2320    | 1    | Clutch-Magnetic                |
| 25   | 119-0394    | 1    | Spring-Extension               |
| 26   | 112-2354    | 1    | Gearbox Idler ASM (W/Bearings) |
| 26:2 | 103-4681    | 2    | Sleeve-Bearing                 |
| 26:3 | 1481        | 1    | Fitting-Grease                 |
| 27   | 1-603044    | 1    | Bushing                        |
| 28   | 3231-6      | 2    | Screw-CARR                     |
| 29   | 3256-4      | 1    | Washer-Flat                    |
| 31   | 3253-4      | 4    | Washer-Lock                    |
| 32   | 322-4       | 4    | Screw-HH                       |
| 33   | 323-12      | 1    | Screw-HH                       |
| 34   | 110-0876    | 1    | Tool-Alignment, Pulley         |
| 35   | 65-9820     | 3    | Spacer                         |
| 36   | 3256-23     | 4    | Washer-Flat                    |
| 37   | 322-5       | 1    | Screw-HH                       |
| 38   | 5-1336      | 1    | Key-Square                     |

● Not serviced separately



## Gearbox Assembly No. 107-9887

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 110-0843    | 1    | Case               |
| 2    | 110-0853    | 1    | Housing-Pinion     |
| 3    | 100-4566    | 1    | Cap-End, Open      |
| 4    | 110-0844    | 1    | Shaft-Pinion       |
| 5    | 110-0845    | 1    | Shaft-Cross        |
| 6    | 110-0847    | 1    | Gear-Shaft, Cross  |
| 7    | 110-0846    | 1    | Gear-Pinion        |
| 8    | 110-0848    | 3    | Bearing-Cup        |
| 9    | 110-0849    | 3    | Bearing-Cone       |
| 10   | 100-4574    | 1    | Cap-End, Closed    |
| 11   | 100-4575    | 1    | Seal               |
| 12   | 110-0850    | 1    | Seal-Shaft, Cross  |
| 13   | 100-4591    | 1    | Shim-Brown, .010In |
| 14   | 100-4592    | 1    | Shim-Blue, .005In  |
| 15   | 100-4593    | 1    | Shim-Green, .003In |
| 16   | 100-4578    | 12   | Screw              |
| 17   | 100-4579    | 2    | Plug               |
| 18   | 3257-33     | 2    | Key-Woodruff       |
| 19   | 100-4581    | 1    | Washer             |
| 20   | 100-4582    | 2    | O-Ring             |
| 21   | 110-0851    | 1    | O-Ring             |
| 22   | 110-0852    | 1    | Nut Lock           |
| 23   | 100-5817    | 1    | Bearing-Cup        |
| 24   | 100-5816    | 1    | Bearing-Cone       |

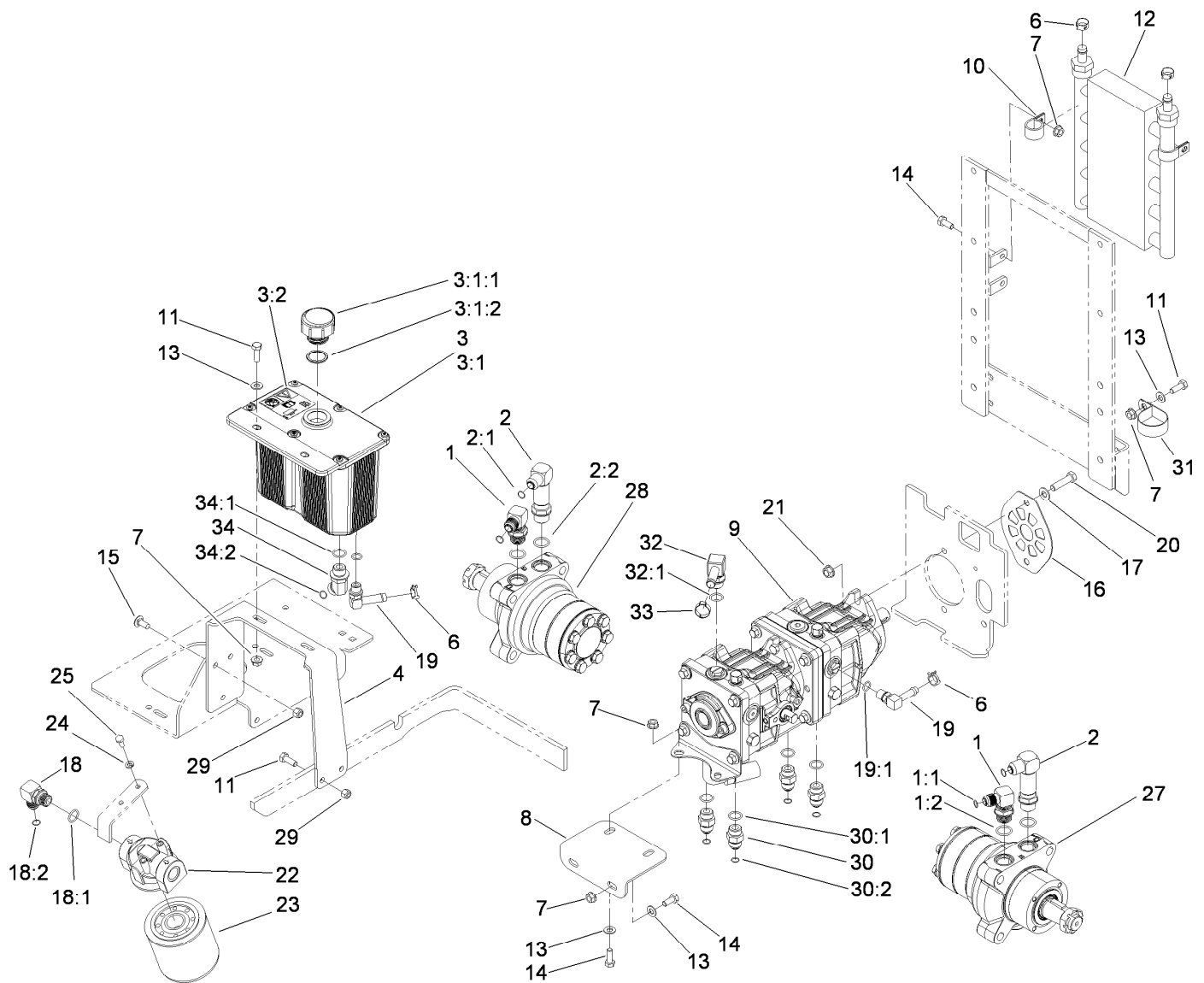


## Hydraulic Tank, Motor and Pump Assembly

| Ref.  | Part Number | Qty. | Description             |
|-------|-------------|------|-------------------------|
| 1     | 1-633605    | 2    | Fitting-HYD, 90 DEG     |
| 1:1   | 1-603992    | 1    | O-Ring                  |
| 1:2   | 237-80      | 1    | O-Ring                  |
| 2     | 108-5323    | 2    | Fitting-Elbow-90        |
| 2:1   | 1-603992    | 1    | O-Ring                  |
| 2:2   | 237-80      | 1    | O-Ring                  |
| 3     | 108-5320    | 1    | Hydraulic Tank ASM      |
| 3:1   |             | 1    | Tank-Hydraulic ●        |
| 3:1:1 | 103-1948    | 1    | Cap-Reservoir, HYD      |
| 3:1:2 | 103-1949    | 1    | Gasket-Cap              |
| 3:2   | 115-4212    | 1    | Decal-Warning           |
| 4     | 108-5352-03 | 1    | Bracket-Tank, Hydraulic |
| 6     | 110-6242    | 4    | Clamp-Hose              |
| 7     | 32128-20    | 11   | Nut-HF                  |
| 8     | 107-3462-03 | 1    | Bracket-Pump, Front     |
| 9     | 107-9885    | 1    | Tandem Pump ASM         |
| 10    | 110-0824    | 4    | R-Clamp                 |
| 11    | 322-5       | 4    | Screw-HH                |
| 12    | 114-8168    | 1    | Cooler-Oil, Hydro       |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 13   | 3256-23     | 7    | Washer-Flat           |
| 14   | 322-3       | 8    | Screw-HH              |
| 15   | 3230-23     | 3    | Screw-CARR            |
| 16   | 108-5367-03 | 1    | Plate-Shield, Pump    |
| 17   | 3256-24     | 2    | Washer-Flat           |
| 18   | 103-2153    | 1    | Fitting-90 DEG        |
| 18:1 | 1-603920    | 1    | O-Ring                |
| 18:2 | 1-603992    | 1    | O-Ring                |
| 19   | 109-6449    | 2    | Fitting-Elbow, 90     |
| 19:1 | 237-42      | 1    | O-Ring                |
| 20   | 323-8       | 2    | Screw-HH              |
| 21   | 3290-357    | 2    | Nut-HHF, Whiz         |
| 22   | 86-9080     | 1    | Head-Filter           |
| 23   | 67-8110     | 1    | Cartridge-Filter, Oil |
| 24   | 1-805004    | 2    | Washer-Lock           |
| 25   | 321-3       | 2    | Screw-HH              |
| 27   | 112-8357    | 1    | HYD Motor ASM (CCW)   |
| 28   | 112-8358    | 1    | HYD Motor ASM (CW)    |
| 29   | 3296-29     | 4    | Nut-Lock, NI          |

● Not serviced separately

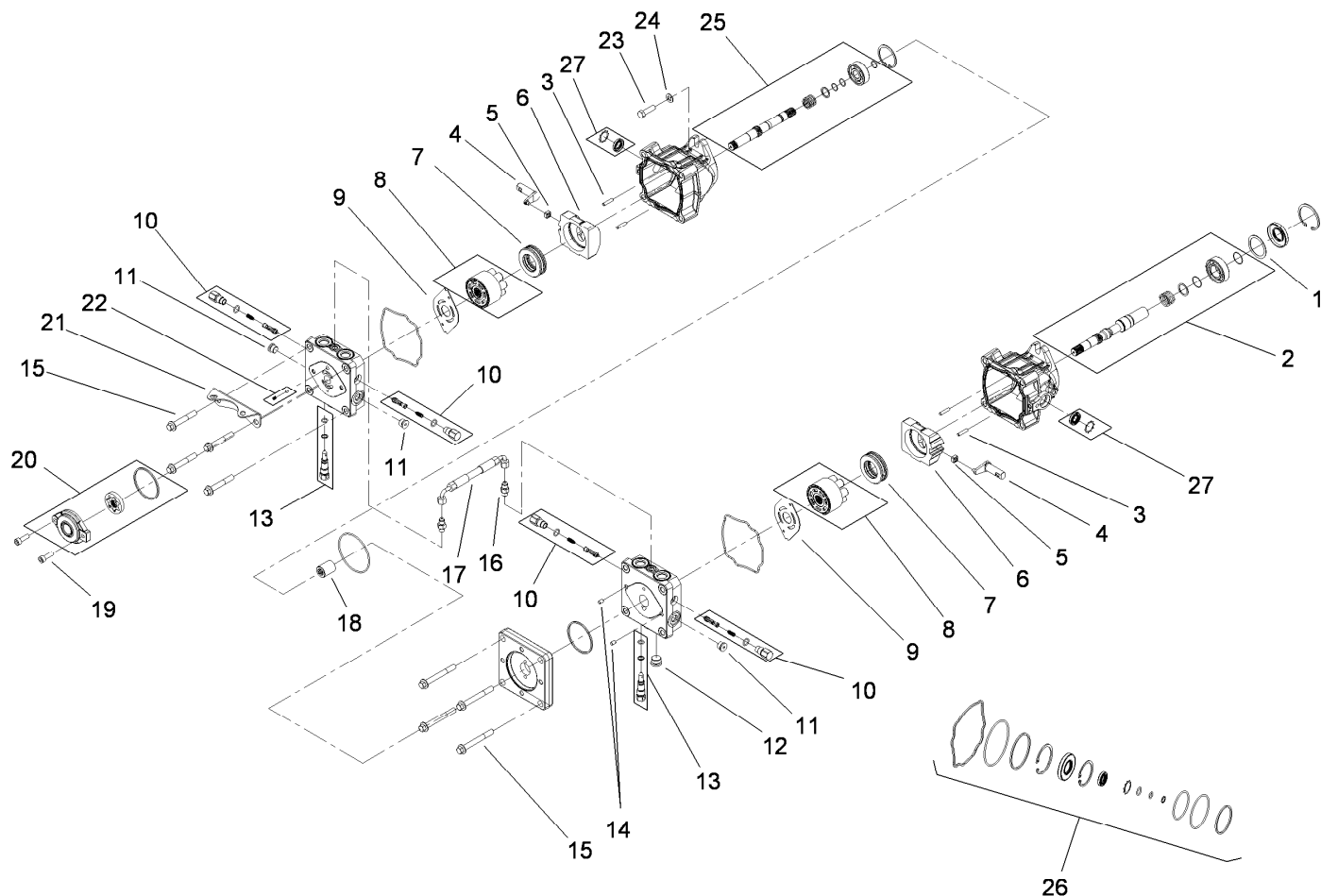


## Hydraulic Tank, Motor and Pump Assembly (continued)

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 30   | 1-603990    | 4    | Fitting-Straight      |
| 30:1 | 1-603920    | 1    | O-Ring                |
| 30:2 | 1-603992    | 1    | O-Ring                |
| 31   | 2412-147    | 1    | Clamp                 |
| 32   | 108-5316    | 1    | Fitting-Elbow, 90 DEG |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 32:1 | 237-79      | 1    | O-Ring              |
| 33   | 103-2104    | 1    | Clamp-Hose          |
| 34   | 1-523221    | 1    | Fitting-HYD, 45 DEG |
| 34:1 | 1-603920    | 1    | O-Ring              |
| 34:2 | 1-603992    | 1    | O-Ring              |

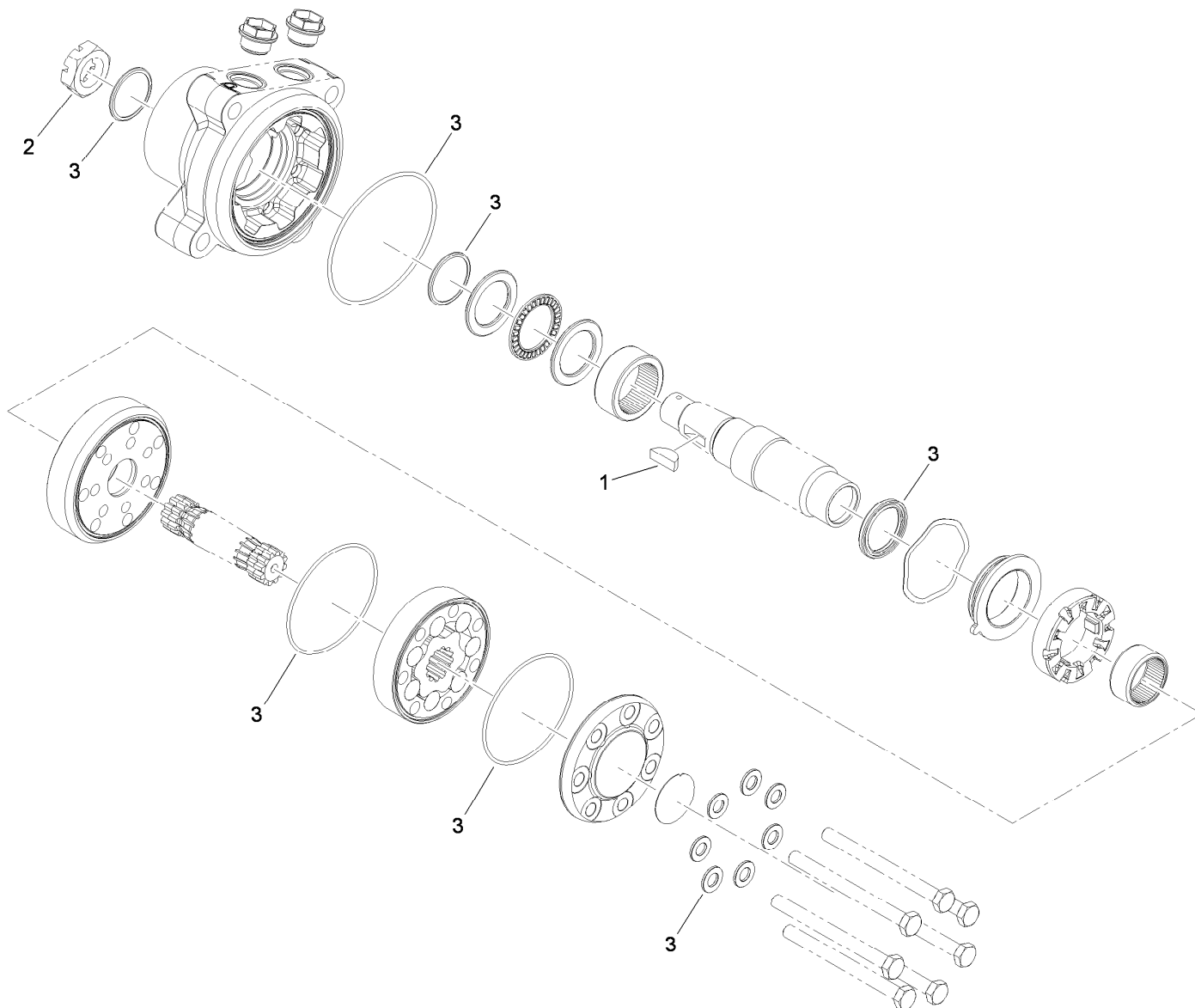
● Not serviced separately



## Tandem Pump Assembly No. 107-9885

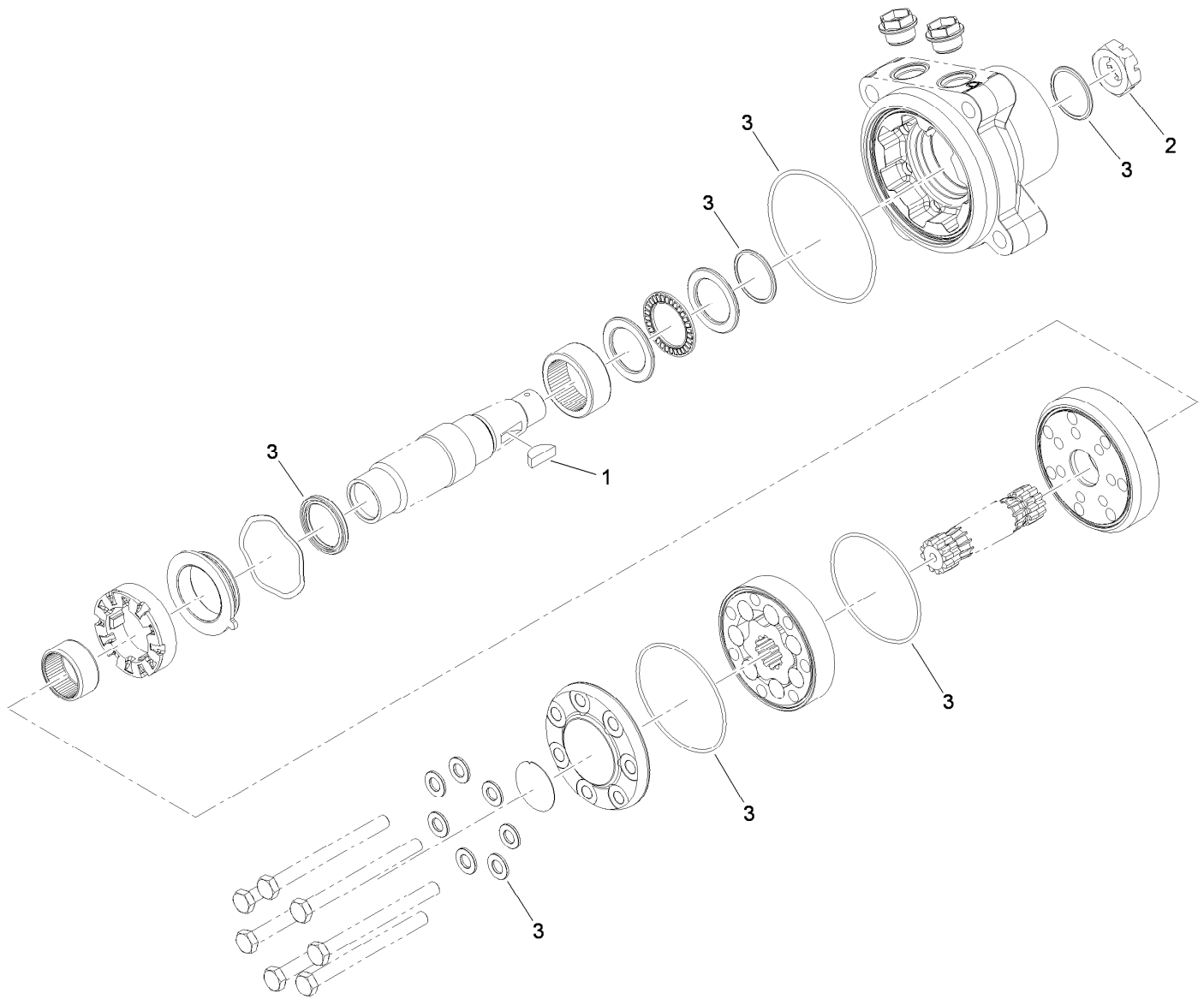
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 112-4168    | 1    | Spacer                 |
| 2    | 112-4151    | 1    | Input Pump Shaft Kit   |
| 3    | 106-8753    | 4    | Pin-Headless, Straight |
| 4    | 112-4152    | 2    | Arm-Trunnion           |
| 5    | 94-1910     | 2    | Guide-Slot             |
| 6    | 112-4153    | 2    | Swashplate             |
| 7    | 112-4154    | 2    | Bearing-Thrust         |
| 8    | 108-2112    | 2    | Cylinder Block Kit     |
| 9    | 108-6801    | 2    | Plate-Valve            |
| 10   | 112-4155    | 4    | Shock Valve Kit        |
| 11   | 104-2189    | 3    | Plug-Thread, Straight  |
| 12   | 112-4156    | 1    | Plug-Steel             |
| 13   | 106-8759    | 2    | Bypass Valve Kit       |
| 14   | 104-2170    | 2    | Pin                    |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 15   | 112-4157    | 8    | Bolt                  |
| 16   | 117-7842    | 2    | Fitting-Straight      |
| 17   | 117-7843    | 1    | Hose ASM              |
| 18   | 112-4160    | 1    | Coupling              |
| 19   | 112-4161    | 2    | Bolt                  |
| 20   | 112-4162    | 1    | Charge Pump Kit       |
| 21   | 112-4163    | 1    | Bracket-Support, Pump |
| 22   | 112-4164    | 1    | Charge Relief Kit     |
| 23   | 112-4165    | 2    | Bolt-HSH              |
| 24   | 112-4166    | 2    | Washer                |
| 25   | 112-4167    | 1    | Second Pump Shaft Kit |
| 26   | 112-4150    | 1    | Overhaul Seal Kit     |
| 27   | 114-8155    | 1    | Trunnion Seal Kit     |



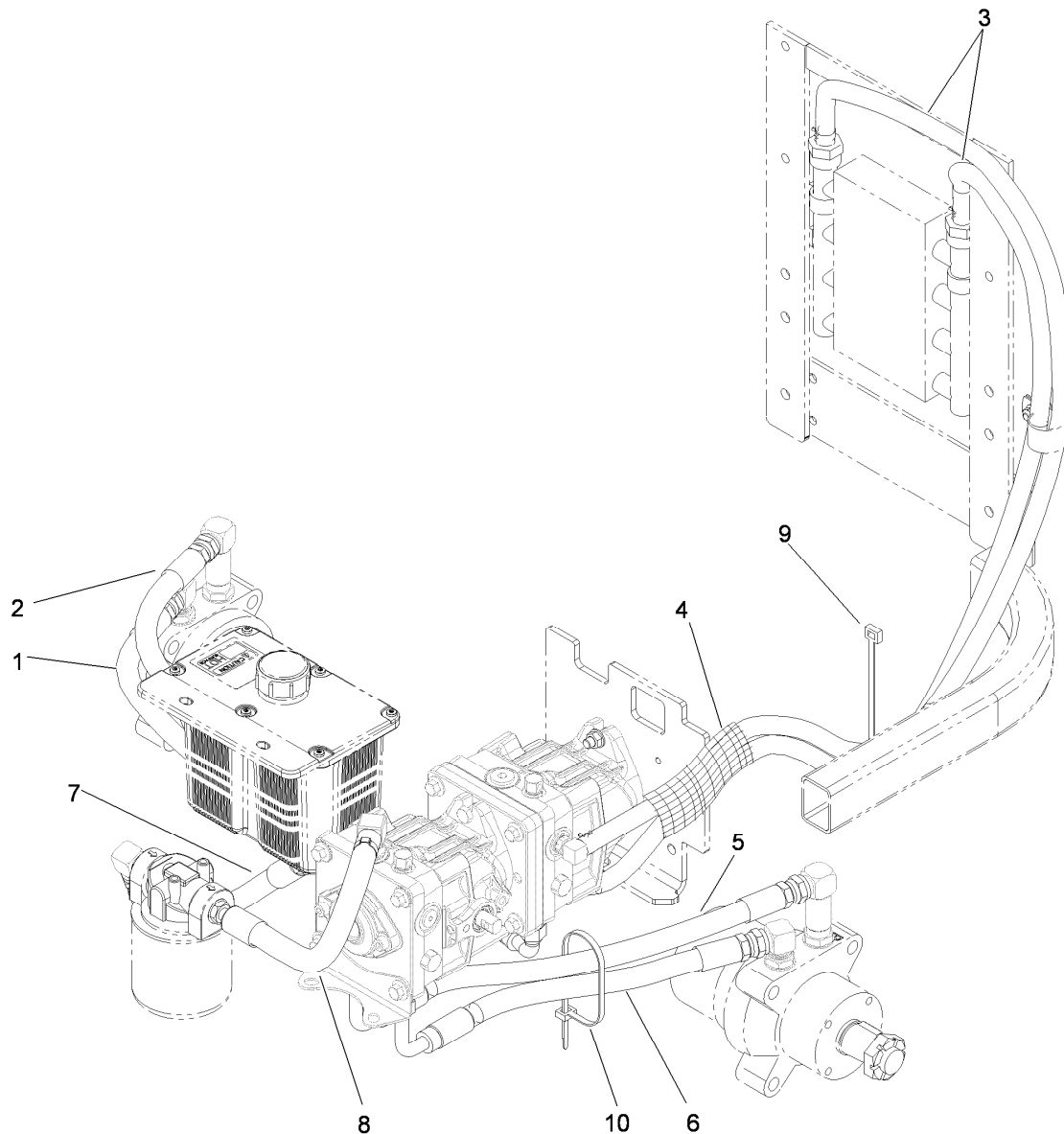
## Hydraulic Motor Assembly No. 112-8358 (CW)

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 3257-42     | 1    | Key-Woodruff         |
| 2    | 1-809036    | 1    | Nut-HH               |
| 3    | 109-5966    | 1    | Wheel Motor Seal Kit |



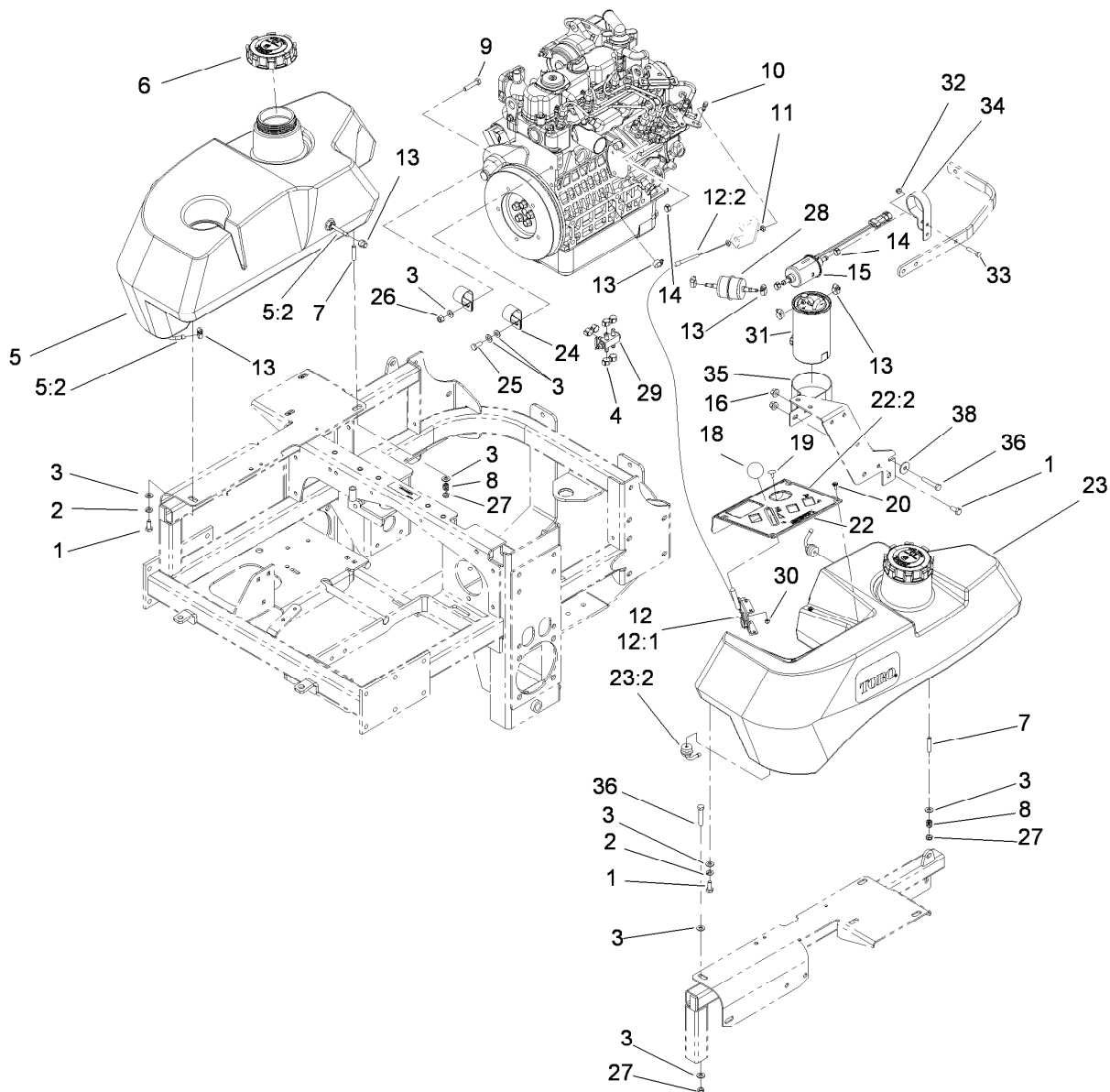
## Hydraulic Motor Assembly No. 112-8357 (CCW)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 3257-42            | 1           | Key-Woodruff         |
| 2           | 1-809036           | 1           | Nut-HH               |
| 3           | 109-5966           | 1           | Wheel Motor Seal Kit |



## Hydraulic Hose System Assembly

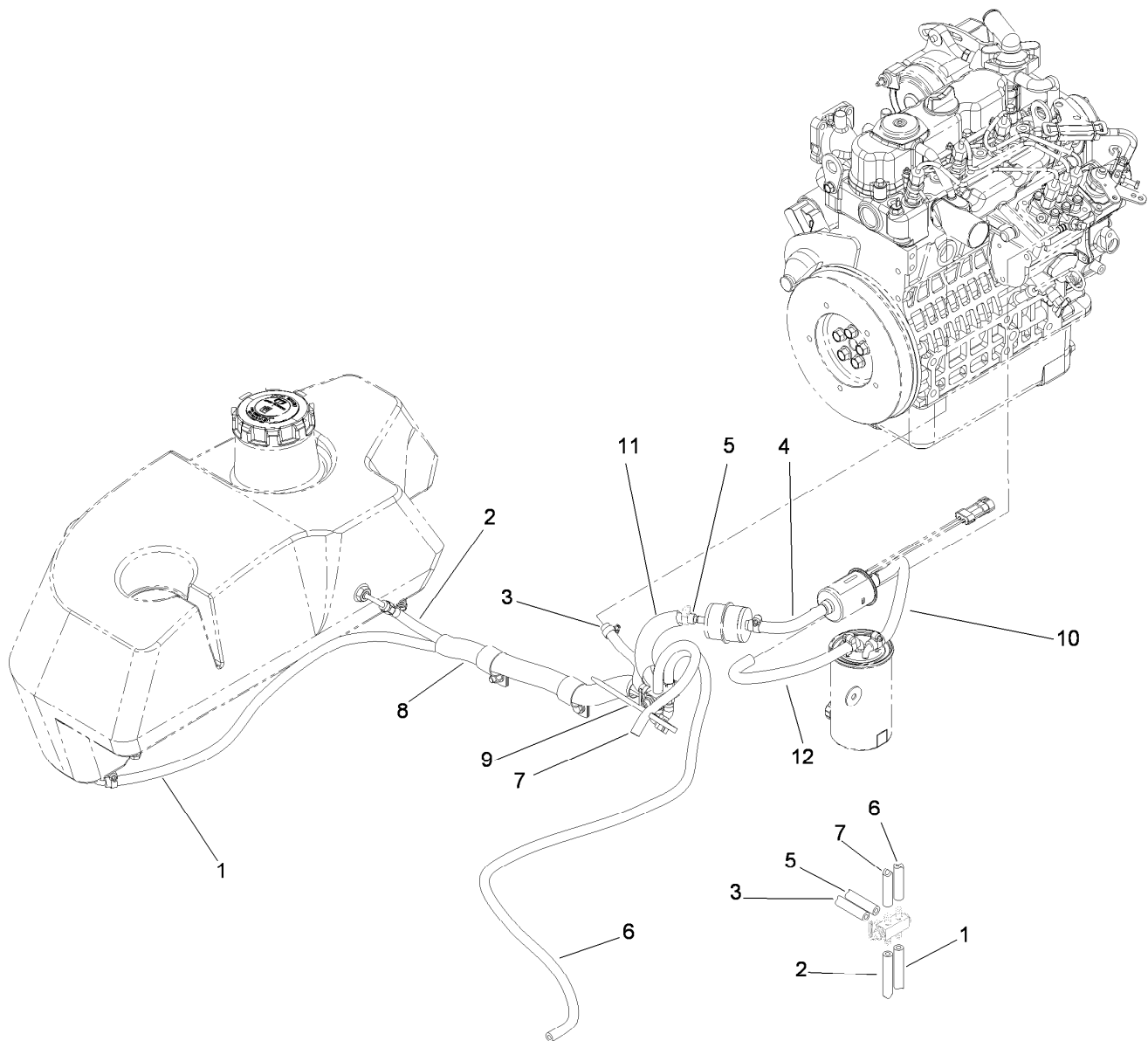
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 107-3495    | 1    | Hydraulic Hose ASM |
| 2    | 107-3490    | 1    | Hydraulic Hose ASM |
| 3    | 114-8169    | 2    | Hose-Hydraulic     |
| 4    | 114-8201    | 1    | Sleeve-Fabric      |
| 5    | 108-5318    | 1    | Hydraulic Hose ASM |
| 6    | 107-3491    | 1    | Hydraulic Hose ASM |
| 7    | 110-3854    | 1    | Hydraulic Hose ASM |
| 8    | 108-5374    | 1    | Hydraulic Hose ASM |
| 9    | 1-303335    | 1    | Tie-Plastic        |
| 10   | 1-809066    | 1    | Tie-Plastic        |



## Fuel System and Throttle Control Assembly

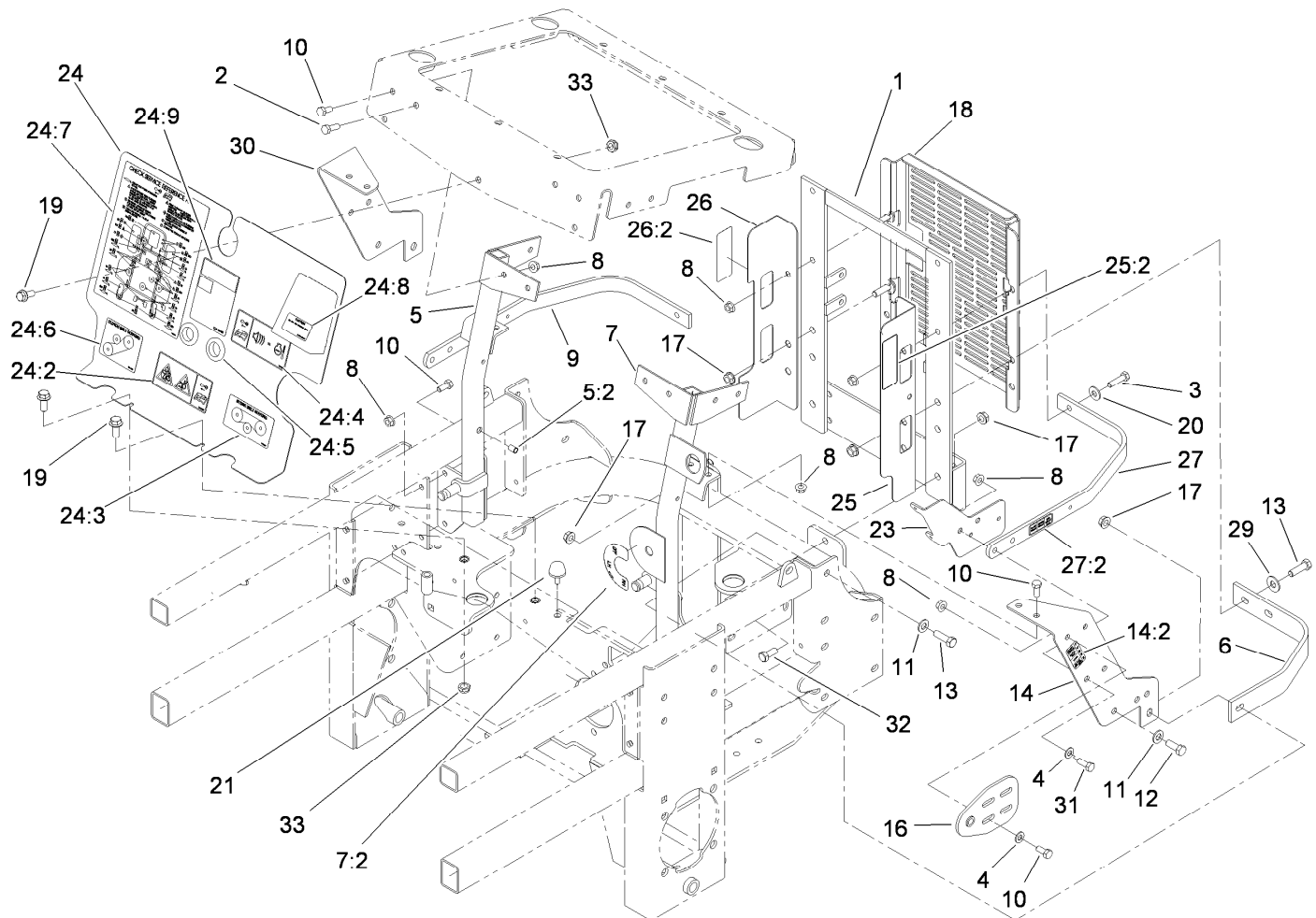
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 322-3       | 3    | Screw-HH                |
| 2    | 1-805005    | 2    | Washer-Lock             |
| 3    | 3256-23     | 11   | Washer-Flat             |
| 4    | 1-643293    | 6    | Clamp-Hose, Fuel        |
| 5    | 114-8221    | 1    | RH Fuel Tank ASM        |
| 5:2  | 103-2615    | 2    | Fitting-Fuel, Bulkhead  |
| 6    | 114-5062    | 2    | Cap-Biodiesel           |
| 7    | 1-633023    | 6    | Stud                    |
| 8    | 1-633349    | 6    | Spring-Tank, Fuel       |
| 9    | 322-7       | 1    | Screw-HH                |
| 10   | 108-5928    | 1    | Swivel-Stop, Cable      |
| 11   | 3220-1      | 2    | Nut-Jam                 |
| 12   | 108-5927    | 1    | Cable-Control, Throttle |
| 12:1 | 112-2333    | 1    | Lever-Cable, Throttle   |
| 12:2 | 108-6337    | 1    | Cable-Throttle          |
| 13   | 2412-108    | 9    | Clamp-Worm              |
| 14   | 1-643277    | 3    | Clamp-Hose, Fuel        |
| 15   | 110-8806    | 1    | Pump-Fuel               |
| 16   | 3296-58     | 2    | Nut-Lock, NI            |
| 18   | 1-603175    | 1    | Knob-Ball               |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 19   | 1-807513    | 2    | Bolt-CARR                  |
| 20   | 109-2661    | 4    | Screw-PPH                  |
| 22   | 117-0913    | 1    | Control Panel ASM          |
| 22:2 | 117-0912    | 1    | Decal-Panel, Control       |
| 23   | 114-8222    | 1    | LH Fuel Tank ASM           |
| 23:2 | 103-2615    | 2    | Fitting-Fuel, Bulkhead     |
| 24   | 1-643312    | 2    | Clip-Loom                  |
| 25   | 33114-020   | 1    | Screw-HH                   |
| 26   | 3296-29     | 1    | Nut-Lock, NI               |
| 27   | 3296-47     | 6    | Nut-Lock, NI               |
| 28   | 112-7836    | 1    | Filter-Inline              |
| 29   | 1-643234    | 1    | Valve-Fuel, Dual Flow      |
| 30   | 3296-2      | 2    | Nut-Lock, NI               |
| 31   | 112-9188    | 1    | Element-Filter, Fuel/Water |
| 32   | 104-7201    | 1    | Nut-HF                     |
| 33   | 321-8       | 1    | Screw-HH                   |
| 34   | 110-8817    | 1    | Bracket-Pump, Fuel         |
| 35   | 110-8807    | 1    | Bracket-Filter, Fuel       |
| 36   | 322-9       | 1    | Screw-HH                   |
| 38   | 3256-82     | 1    | Washer-Flat                |



## Fuel Line Assembly

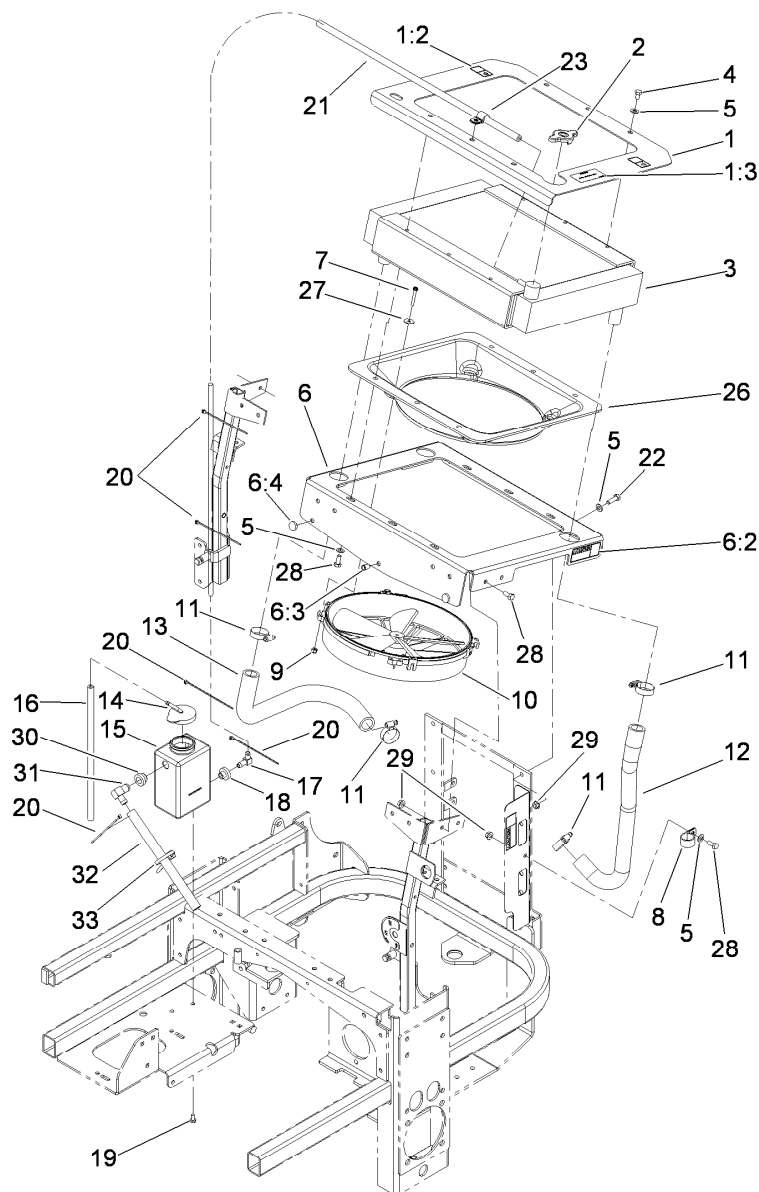
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 108-5376    | 1    | Hose-Fuel         |
| 2    | 109-0301    | 1    | Hose-Fuel         |
| 3    | 109-0306    | 1    | Hose-Fuel         |
| 4    | 108-3283    | 1    | Hose-Fuel         |
| 5    | 109-0303    | 1    | Hose-Fuel         |
| 6    | 109-0275    | 1    | Hose-Fuel         |
| 7    | 109-0297    | 1    | Hose-Fuel         |
| 8    | 108-5377    | 1    | Sleeve-Fabric     |
| 9    | 1-303335    | 1    | Tie-Plastic       |
| 10   | 110-4124    | 1    | Hose-Fuel         |
| 11   | 114-8224    | 1    | Conduit-Fuel Line |
| 12   | 110-4105    | 1    | Hose-Fuel         |



## Engine Housing Assembly

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 107-9934-03 | 1    | Support-Radiator, Rear        |
| 2    | 322-5       | 2    | Screw-HH                      |
| 3    | 322-6       | 2    | Screw-HH                      |
| 4    | 3256-23     | 8    | Washer-Flat                   |
| 5    | 114-1170    | 1    | RH Radiator Brace ASM         |
| 5:2  | 32148-11    | 1    | Insert-Threaded               |
| 6    | 103-7623-03 | 2    | Strap-Guard                   |
| 7    | 110-3870    | 1    | LH Radiator Brace ASM         |
| 7:2  | 107-2114    | 1    | Decal-Valve, Fuel             |
| 8    | 32128-20    | 22   | Nut-HF                        |
| 9    | 114-8223-03 | 1    | Top-Rib                       |
| 10   | 322-3       | 14   | Screw-HH                      |
| 11   | 3256-24     | 3    | Washer-Flat                   |
| 12   | 323-6       | 1    | Screw-HH                      |
| 13   | 323-7       | 4    | Screw-HH                      |
| 14   | 119-6650    | 1    | LH Support Bracket ASM        |
| 14:2 | 119-0398    | 1    | Decal-Fuse                    |
| 16   | 108-5345-03 | 2    | Plate-Pivot, Hood             |
| 17   | 3290-357    | 7    | Nut-HHF, Whiz                 |
| 18   | 112-8302-03 | 1    | Shield-Cooler                 |
| 19   | 3234-21     | 3    | Screw-HHF                     |
| 20   | 3256-3      | 2    | Washer-Flat                   |
| 21   | 109-2365    | 2    | Rubber Bumper ASM<br>(W/Stud) |

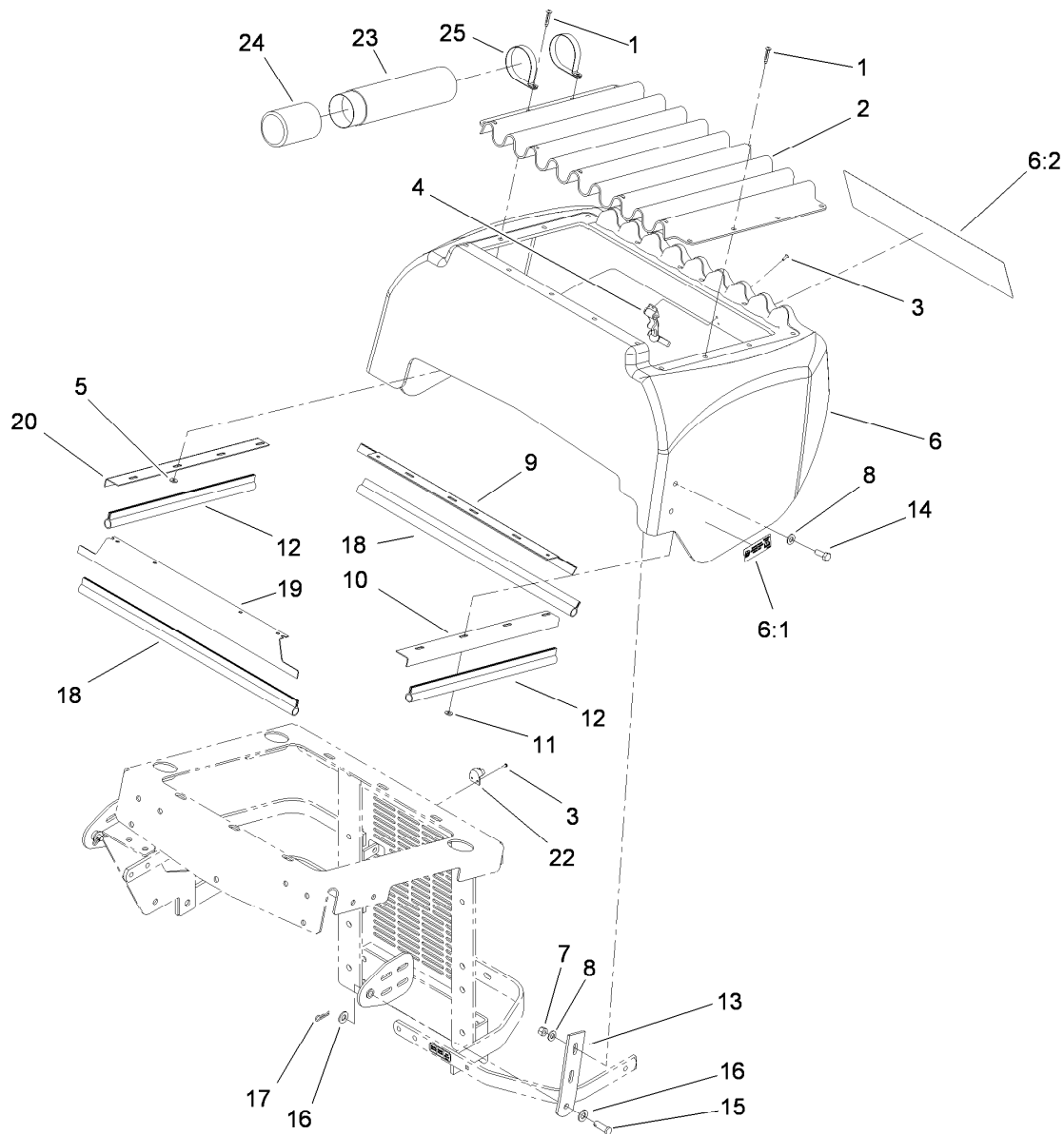
| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 23   | 119-0393-03 | 1    | Bracket-Relay, Fuse               |
| 24   | 114-1829    | 1    | Front Shield ASM                  |
| 24:2 | 110-3853    | 1    | Decal-Danger, Rotating<br>Devices |
| 24:3 | 108-5955    | 1    | Decal-Routing, Hydro Belt         |
| 24:4 | 110-3852    | 1    | Decal- Warning, Buzzer            |
| 24:5 | 100-3815    | 2    | Grommet-Rubber                    |
| 24:6 | 108-5957    | 1    | Decal-Routing, Clutch Belt        |
| 24:7 | 114-1826    | 1    | Decal-Check Service               |
| 24:8 | 110-0806    | 1    | Decal-Caution                     |
| 24:9 | 104-2449    | 1    | Decal-Coolant                     |
| 25   | 110-0879    | 1    | Guard-Fan, LH (Ce)                |
| 25:2 | 107-7719    | 1    | Decal-Danger                      |
| 26   | 110-0888    | 1    | Guard-Fan, RH (Ce)                |
| 26:2 | 107-7719    | 1    | Decal-Danger                      |
| 27   | 119-0399    | 1    | Top Strap ASM                     |
| 27:2 | 119-0397    | 1    | Decal-Relay                       |
| 29   | 3256-4      | 2    | Washer-Flat                       |
| 30   | 108-5339-03 | 1    | Bracket-Support, RH               |
| 31   | 322-4       | 4    | Screw-HH                          |
| 32   | 323-5       | 2    | Screw-HH                          |
| 33   | 3296-56     | 3    | Nut-Lock, NI                      |



## Cooling System Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 110-3845    | 1    | Top Radiator Plate ASM    |
| 1:2  | 93-8069     | 2    | Decal-Surface, Hot        |
| 1:3  | 110-3842    | 1    | Decal-Antifreeze          |
| 2    | 1-643161    | 1    | Cap-Radiator              |
| 3    | 107-9932    | 1    | Radiator                  |
| 4    | 322-1       | 6    | Screw-HH                  |
| 5    | 3256-23     | 16   | Washer-Flat               |
| 6    | 110-0880    | 1    | Bottom Radiator Plate ASM |
| 6:2  | 107-7719    | 2    | Decal-Danger              |
| 6:3  | 32148-6     | 1    | Insert-Nut                |
| 6:4  | 1-513658    | 2    | Bumper                    |
| 7    | 108-5988    | 4    | Screw                     |
| 8    | 1-643312    | 1    | Clip-Loom                 |
| 9    | 1-804254    | 4    | Nut-Lock, HH              |
| 10   | 1-633831    | 1    | Fan                       |
| 11   | 1-633989    | 4    | Clamp-Hose                |
| 12   | 108-5372    | 1    | Hose-Radiator, LH         |
| 13   | 108-5904    | 1    | Hose-Outlet, Engine       |

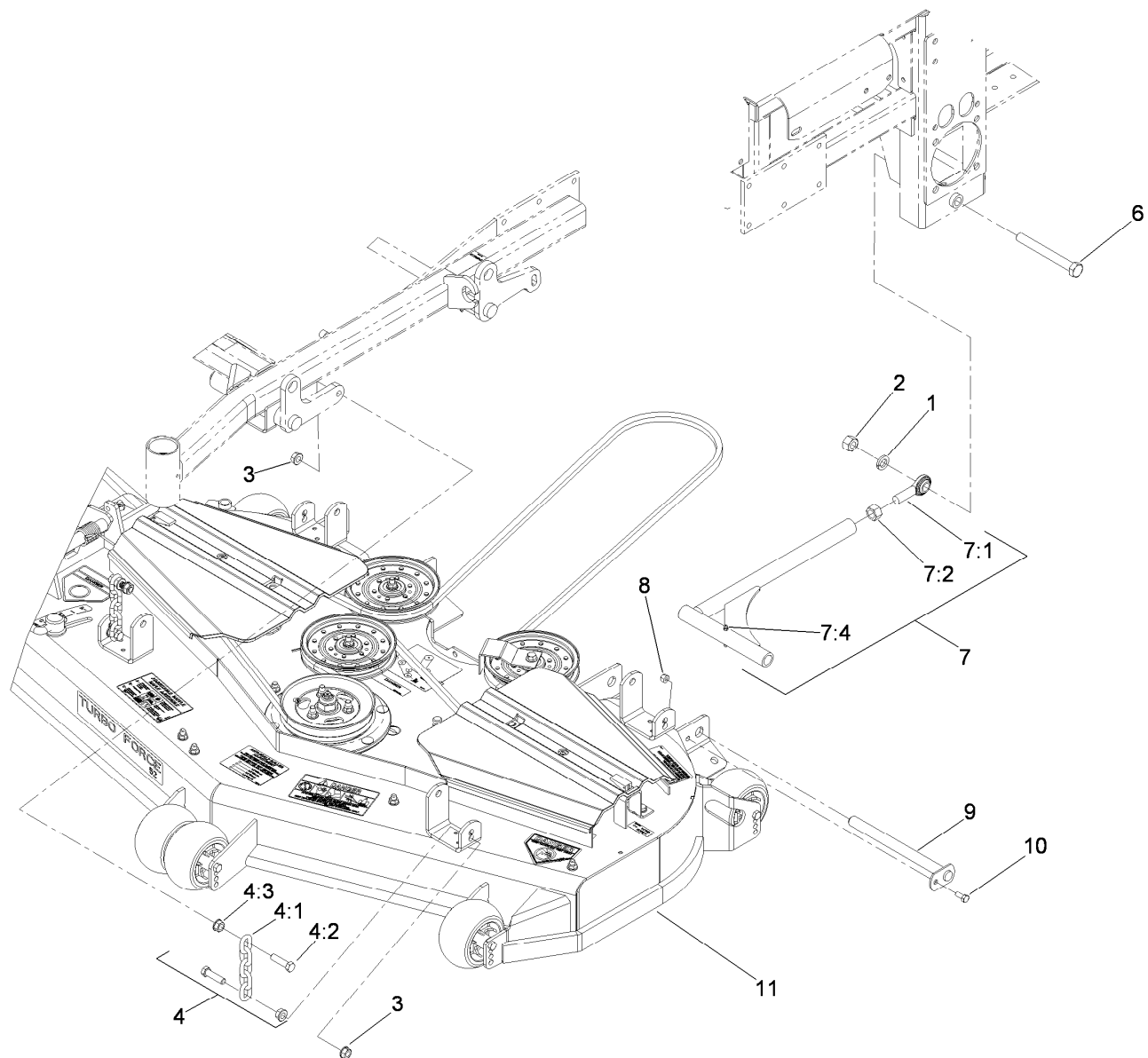
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 14   | 1-643164    | 1    | Cap-Tank, Overflow     |
| 15   | 117-0941    | 1    | Tank-Overflow          |
| 16   | 1-603954    | 1    | Hose-Line, Fuel        |
| 17   | 1-643259    | 1    | Fitting-Elbow          |
| 18   | 1-513645    | 1    | Bushing-Valve, Fuel    |
| 19   | 321-2       | 2    | Screw-HH               |
| 20   | 1-303287    | 6    | Tie-Cable              |
| 21   | 103-1428    | 1    | Hose-Overflow          |
| 22   | 322-5       | 3    | Screw-HH               |
| 23   | 1-603727    | 1    | Clip-Loom              |
| 26   | 108-5971    | 1    | Shroud-Cooling, Engine |
| 27   | 3256-67     | 4    | Washer-Flat            |
| 28   | 322-3       | 10   | Screw-HH               |
| 29   | 32128-20    | 3    | Nut-HF                 |
| 30   | 104-0790    | 1    | Bushing                |
| 31   | 117-0943    | 1    | Fitting-Elbow          |
| 32   | 115-4969    | 1    | Hose-Overflow          |
| 33   | 1-303335    | 1    | Tie-Plastic            |



## Hood Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 1-803072    | 17   | Rivet                  |
| 2    | 1-633864-03 | 1    | Screen-Radiator        |
| 3    | 923786      | 4    | Rivet                  |
| 4    | 1-643188    | 1    | Latch-Rubber           |
| 5    | 1-303435    | 4    | Washer-Spring          |
| 6    | 114-8225    | 1    | Hood ASM               |
| 6:1  | 114-9600    | 2    | Decal-Low Sulfur       |
| 6:2  | 107-7674    | 1    | Decal                  |
| 7    | 3296-29     | 4    | Nut-Lock, NI           |
| 8    | 3256-23     | 8    | Washer-Flat            |
| 9    | 1-643108-03 | 1    | Angle-Radiator, Bottom |
| 10   | 1-643105-03 | 1    | Angle-Radiator, LH     |
| 11   | 3256-14     | 12   | Washer-Flat            |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 12   | 1-643186    | 2    | Seal-Trim            |
| 13   | 108-5337-03 | 2    | Plate-Hinge, Hood    |
| 14   | 322-4       | 4    | Screw-HH             |
| 15   | 1-808285    | 2    | Pin-Clevis           |
| 16   | 3256-24     | 4    | Washer-Flat          |
| 17   | 1-806003    | 2    | Pin-Cotter, Hair     |
| 18   | 1-643187    | 2    | Seal-Trim            |
| 19   | 1-643107-03 | 1    | Angle-Radiator, Top  |
| 20   | 1-643106-03 | 1    | Angle-Radiator, RH   |
| 22   | 1-643189    | 1    | Keeper-Latch, Rubber |
| 23   | 104-7050    | 1    | Tube-Manual          |
| 24   | 104-7048    | 1    | Cap-Housing          |
| 25   | 2412-120    | 2    | R-Clamp              |

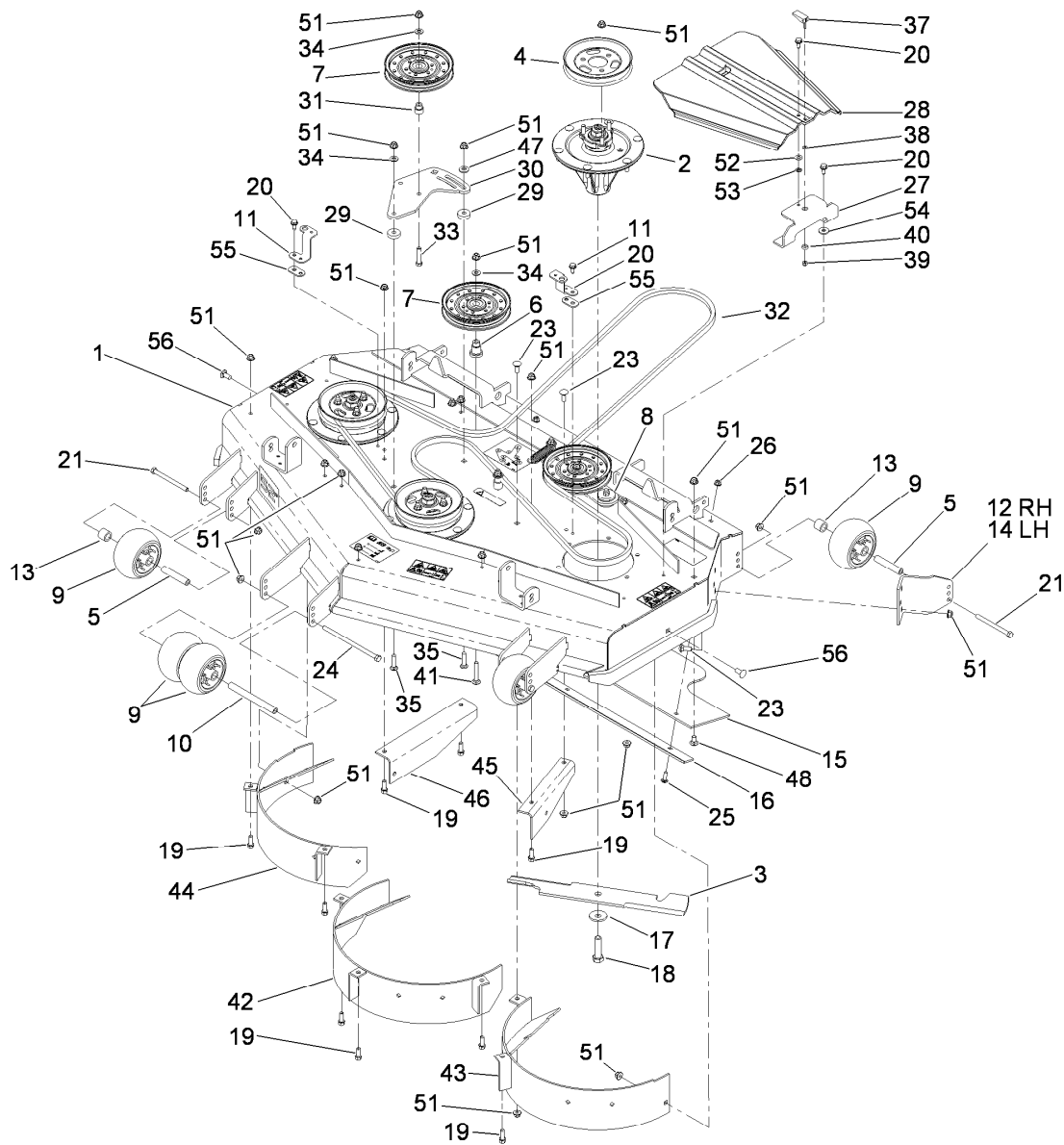


## Deck Connection Assembly

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 1    | 3253-8      | 2    | Washer-Lock      |
| 2    | 3217-11     | 2    | Nut-Hex          |
| 3    | 32128-37    | 8    | Nut-HF           |
| 4    | 103-9792    | 4    | Deck Chain ASM   |
| 4:1  | 1-633447    | 1    | Chain-Lift, Deck |
| 4:2  | 103-1898    | 2    | Screw-HH         |
| 4:3  | 32128-37    | 2    | Nut-HF           |
| 6    | 327-28      | 2    | Screw-HH         |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 7    | 108-5969    | 2    | Strut ASM           |
| 7:1  | 1-633029    | 1    | Balljoint-Spherical |
| 7:2  | 3219-6      | 1    | Nut-Hex             |
| 7:4  | 109-1380    | 1    | Fitting-Grease      |
| 8    | 3296-29     | 2    | Nut-Lock, NI        |
| 9    | 1-632199-01 | 2    | Pin-Strut           |
| 10   | 322-3       | 2    | Screw-HH            |
| 11   |             | 1    | Deck ASM ●          |

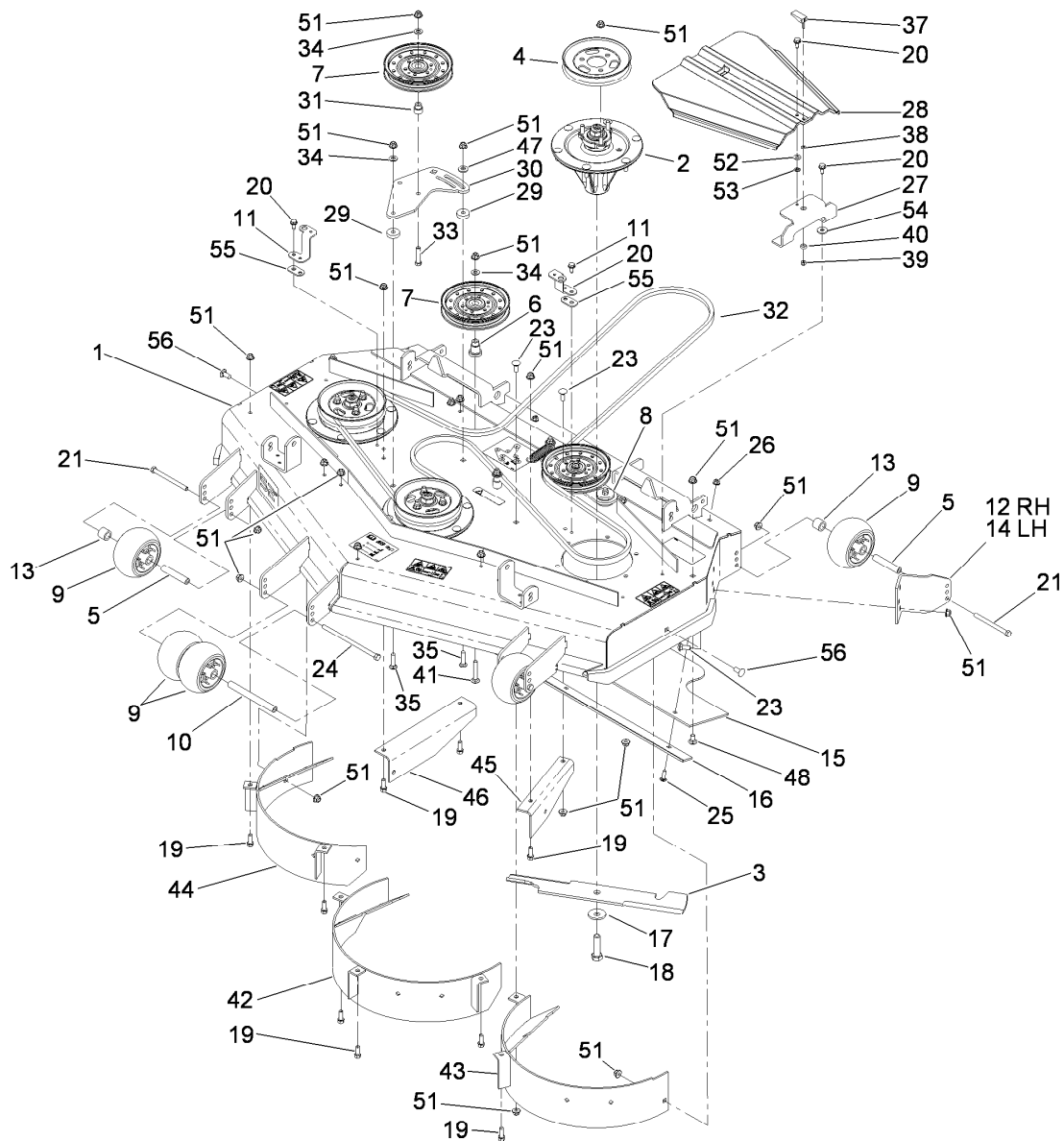
● Not serviced separately



## Deck Assembly

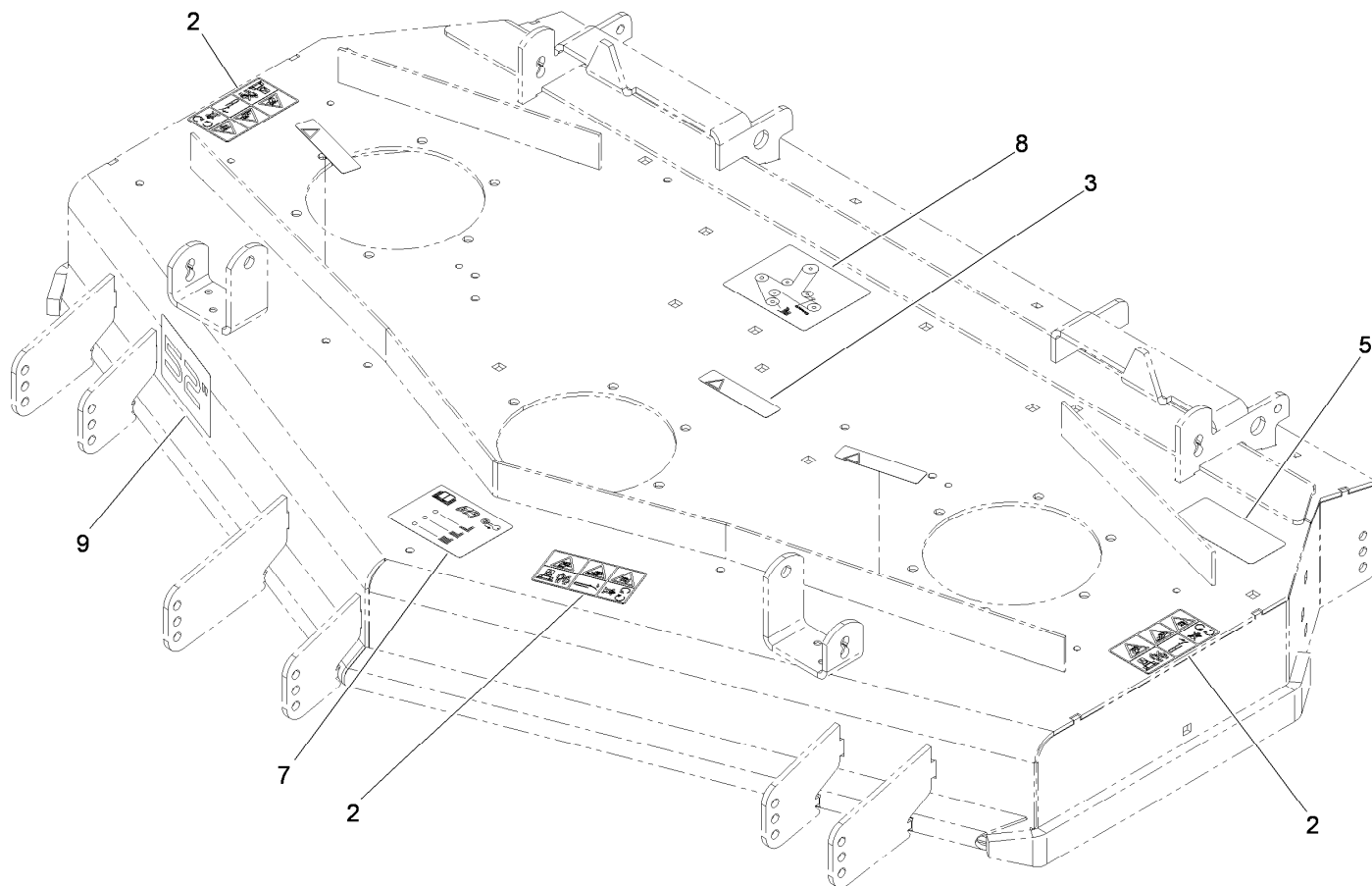
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 114-4491    | 1    | Deck Decal ASM           |
| 2    | 117-6158    | 3    | Spindle ASM              |
| 3    | 105-7781-03 | 3    | Blade-18 Inch (Hi Flow)  |
| 4    | 105-7735    | 3    | Pulley                   |
| 5    | 98-7912     | 4    | Tube-Spanner             |
| 6    | 106-3214    | 1    | Mount-Pulley             |
| 7    | 1-633109    | 2    | Idler-Flat               |
| 8    | 114-1812    | 1    | Spring Idler ASM         |
| 9    | 1-603299    | 6    | Roller-Scalp, Anti       |
| 10   | 98-5967     | 1    | Spacer-Wheel             |
| 11   | 108-2177-01 | 2    | Bracket-Cover, Tall      |
| 12   | 112-3893-01 | 1    | Mount-Anti Scalp, RH     |
| 13   | 98-7913     | 4    | Tube-Spacer              |
| 14   | 112-3895-01 | 1    | Mount-Anti Scalp, LH     |
| 15   | 112-3869    | 1    | Deflector-Rubber         |
| 16   | 112-3868-01 | 1    | Skid-Skirt               |
| 17   | 103-0865    | 3    | Washer-Blade Bolt, Heavy |
| 18   | 51-4060     | 3    | Screw-Blade              |
| 19   | 92-1624     | 9    | Screw-HWH                |
| 20   | 32144-70    | 8    | Screw-HWHTF              |
| 21   | 323-23      | 4    | Screw-HH                 |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 23   | 3231-2      | 8    | Screw-CARR           |
| 24   | 108-5388    | 1    | Screw-HH             |
| 25   | 3230-22     | 4    | Screw-CARR           |
| 26   | 104-8300    | 4    | Nut-Flange, NI       |
| 27   | 114-1809-01 | 2    | Bracket-Belt Cover   |
| 28   | 107-8536    | 2    | Cover-Belt           |
| 29   | 105-7788    | 2    | Spacer               |
| 30   | 107-8516-01 | 1    | Plate-Idler          |
| 31   | 1-603496    | 1    | Bushing-Idler        |
| 32   | 108-5951    | 1    | Belt-V               |
| 33   | 323-9       | 1    | Screw-HH             |
| 34   | 3256-24     | 3    | Washer-Flat          |
| 35   | 3231-4      | 2    | Screw-CARR           |
| 37   | 106-6777    | 2    | Handle-Latch, Swell  |
| 38   | 99-3058     | 2    | Washer               |
| 39   | 1-804254    | 2    | Nut-Lock, HH         |
| 40   | 106-6778    | 2    | Bushing-Latch, Swell |
| 41   | 3231-7      | 1    | Screw-CARR           |
| 42   | 112-3871-01 | 1    | Center Baffle ASM    |
| 43   | 112-3872-01 | 1    | LH Baffle ASM        |
| 44   | 112-3873-01 | 1    | RH Baffle ASM        |



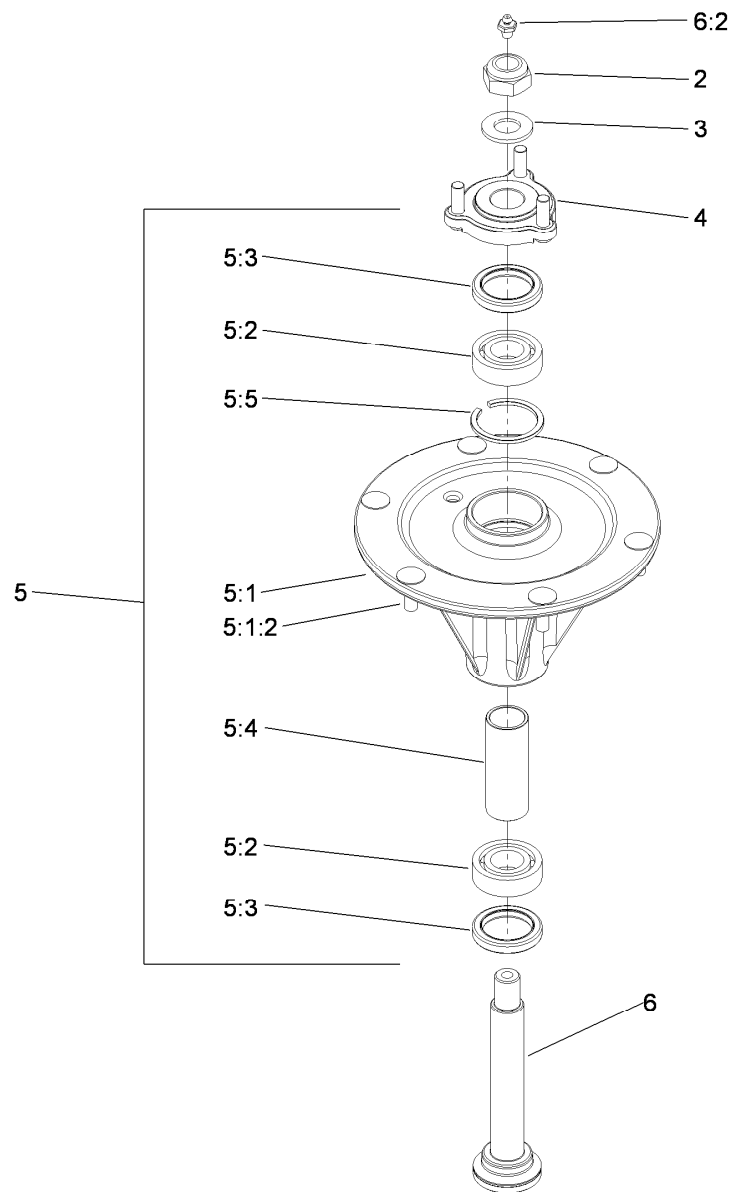
## Deck Assembly (continued)

| Ref. | Part Number | Qty. | Description       | Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|------|-------------|------|-------------------|
| 45   | 112-3862-01 | 1    | Baffle-Trailing   | 52   | 73-0041     | 2    | Washer-Thrust     |
| 46   | 112-3863-01 | 1    | Baffle-Trailing   | 53   | 117-2749    | 2    | Nut-Push          |
| 47   | 98-5975     | 1    | Washer-Belleville | 54   | 5-0838      | 4    | Washer            |
| 48   | 3231-1      | 4    | Screw-CARR        | 55   | 119-4222-01 | 2    | Spacer-Belt Cover |
| 51   | 104-8301    | 59   | Nut-Flange, NI    | 56   | 3231-27     | 2    | Screw-CARR        |



## Deck Decal Assembly No. 114-4491

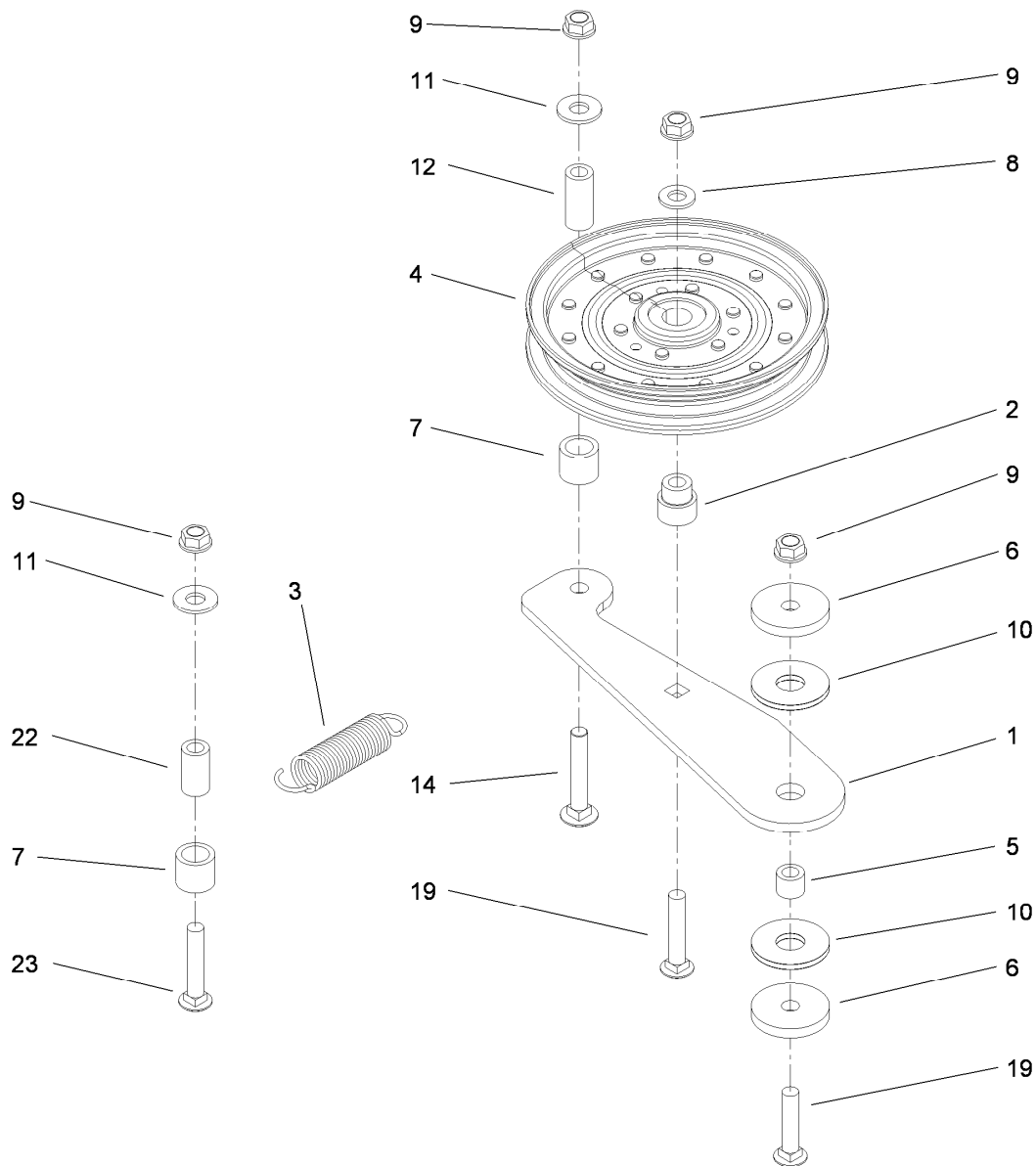
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 2    | 93-7010     | 3    | Decal-Danger             |
| 3    | 98-1977     | 3    | Decal-Warning            |
| 5    | 93-7818     | 1    | Decal-Torque, Blade Bolt |
| 7    | 112-3858    | 1    | Decal-Anti Scalp         |
| 8    | 108-5981    | 1    | Decal-Routing, Belt      |
| 9    | 114-1827    | 1    | Decal                    |



## Spindle Assembly No. 117-6158

| Ref.  | Part Number | Qty. | Description                          |
|-------|-------------|------|--------------------------------------|
| 2     | 3296-67     | 1    | Nut-Lock, NI                         |
| 3     | 92-5836     | 1    | Washer                               |
| 4     | 117-6172    | 1    | Spindle Hub ASM                      |
| 5     |             | 1    | Spindle Housing And Ball Bearing ASM |
| 5:1   |             | 1    | Spindle Housing And Studs ASM ●      |
| 5:1:2 | 114-8195    | 6    | Bolt-Ribbed Neck                     |
| 5:2   | 76-7500     | 2    | Bearing-Ball                         |
| 5:3   | 253-133     | 2    | Seal-Oil                             |
| 5:4   | 117-6184    | 1    | Spacer                               |
| 5:5   | 114-8161    | 1    | Ring-Snap                            |
| 6     | 119-1851    | 1    | Spindle Shaft And Zerk ASM           |
| 6:2   | 302-2       | 1    | Fitting-Grease                       |

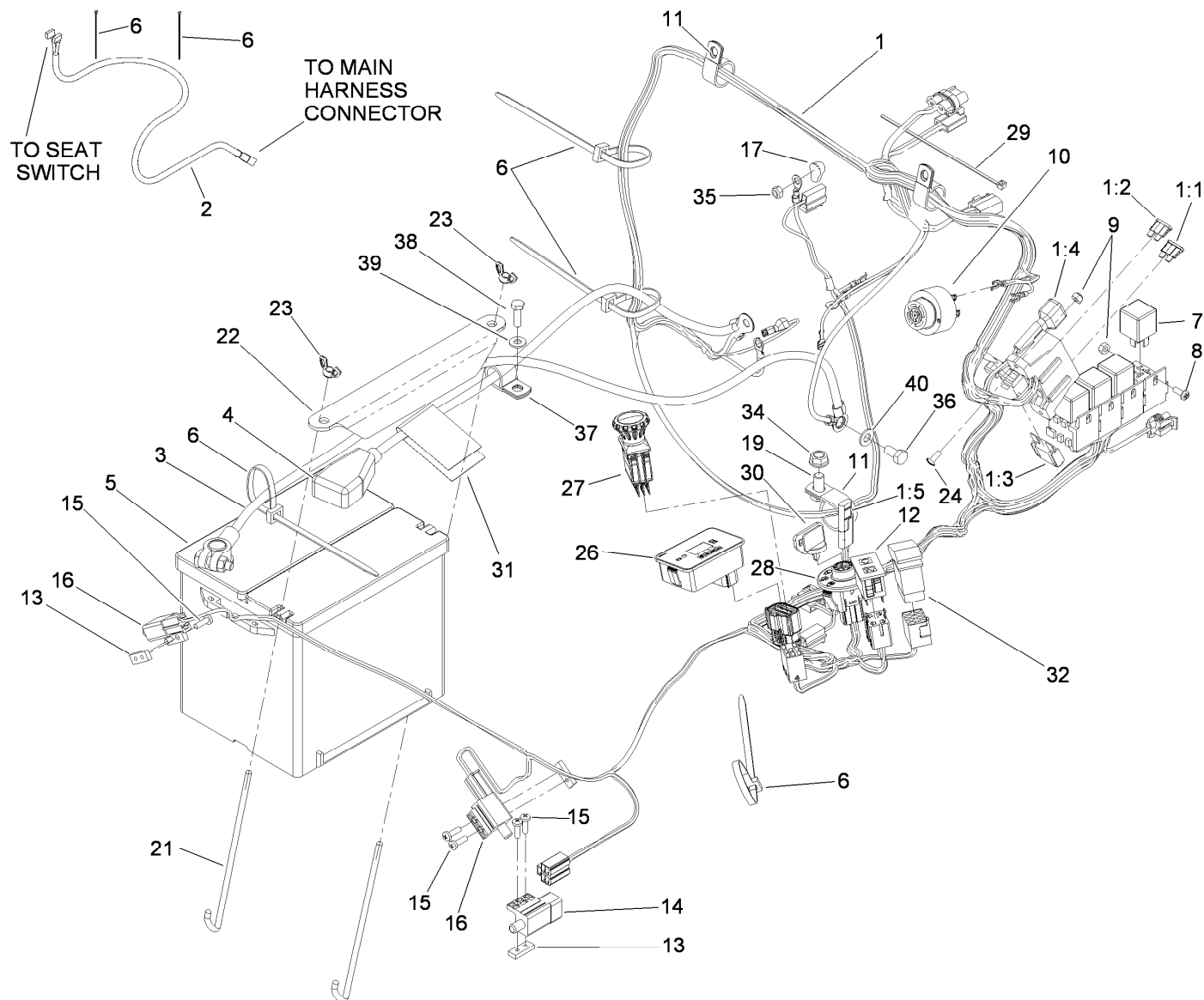
● Not serviced separately



## Spring Idler Assembly No. 114-1812

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 114-1815    | 1    | Arm-Idler           |
| 2    | 1-603496    | 1    | Bushing-Idler       |
| 3    | 108-4056    | 1    | Spring-Extension    |
| 4    | 1-633109    | 1    | Idler-Flat          |
| 5    | 1-413088    | 1    | Bushing-Lever, Lift |
| 6    | 110-9981    | 2    | Washer-Plain        |
| 7    | 108-4063    | 2    | Spacer-Rubber       |
| 8    | 3256-24     | 1    | Washer-Flat         |

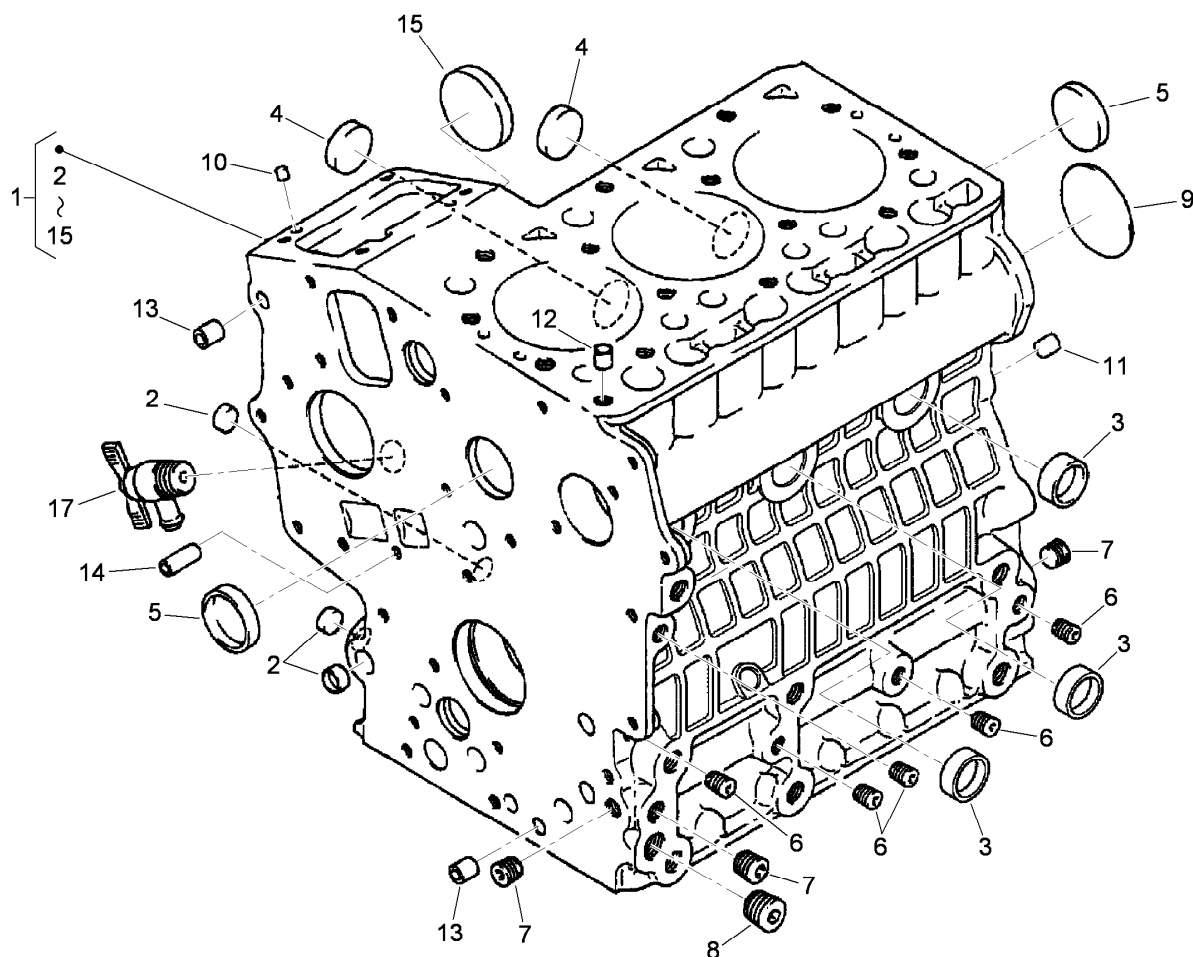
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 9    | 104-8301    | 4    | Nut-Flange, NI             |
| 10   | 114-0463    | 2    | Washer-Friction, Composite |
| 11   | 3256-4      | 2    | Washer-Flat                |
| 12   | 1-603401    | 1    | Spacer-Fender              |
| 14   | 3231-6      | 1    | Screw-CARR                 |
| 19   | 3231-5      | 2    | Screw-CARR                 |
| 22   | 104-0151    | 1    | Spacer                     |
| 23   | 3231-40     | 1    | Bolt-CARR                  |



## Electrical Assembly

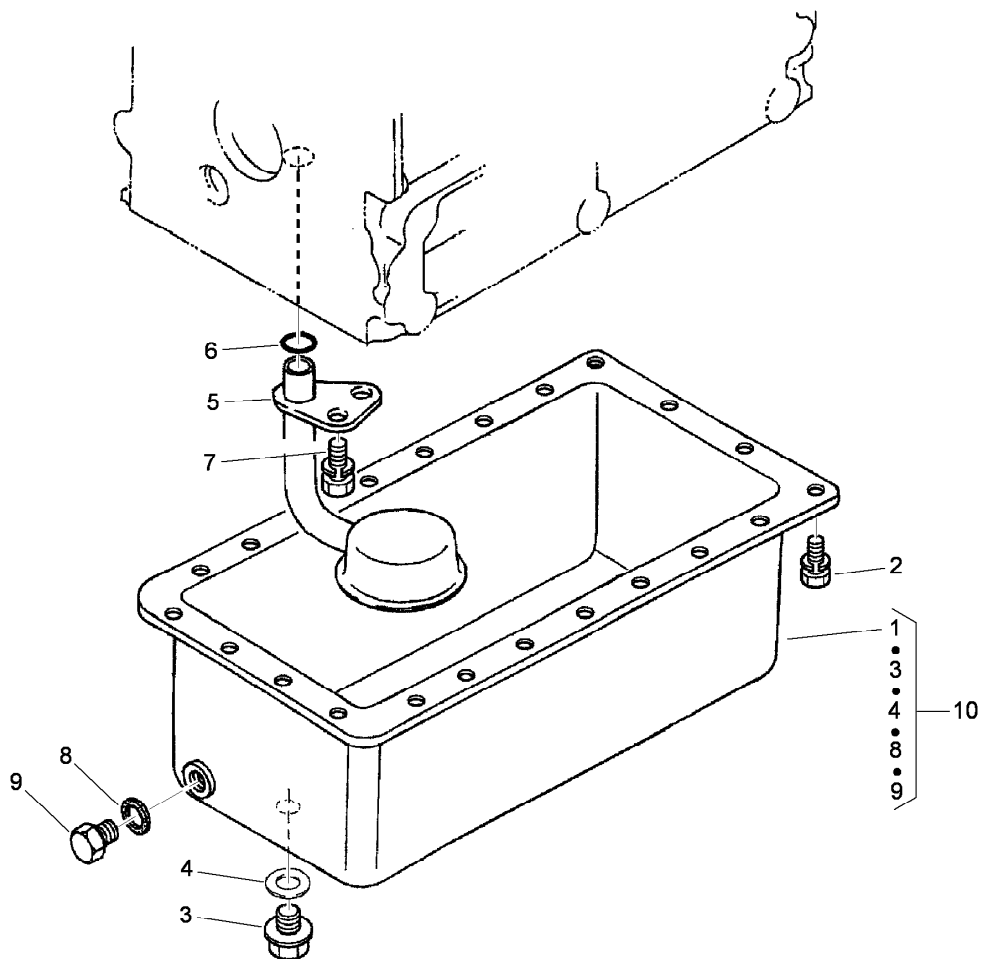
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 119-0351    | 1    | Harness-Wire            |
| 1:1  | 218-578     | 1    | Fuse-Blade, 10 Amp      |
| 1:2  | 109103      | 1    | Fuse-Blade, 30 Amp      |
| 1:3  | 94-8002     | 1    | Fuse-Blade, 50 Amp      |
| 1:4  | 100-4918    | 1    | Diode                   |
| 1:5  | 116-0053    | 1    | Cap-Plug                |
| 2    | 103-1227    | 1    | Harness-Wiring, Seat    |
| 3    | 110-0303    | 1    | Cable-Battery, Negative |
| 4    | 110-0304    | 1    | Cable-Battery, Positive |
| 5    | 106-5187    | 1    | Battery                 |
| 6    | 1-303335    | 7    | Tie-Plastic             |
| 7    | 1-643275    | 4    | Relay                   |
| 8    | 1-803071    | 2    | Screw                   |
| 9    | 3296-2      | 4    | Nut-Lock, NI            |
| 10   | 103-0205    | 1    | Alarm-Tone, Dual        |
| 11   | 1-643312    | 3    | Clip-Loom               |
| 12   | 100-8071    | 1    | Lamp-Warning            |
| 13   | 1-633181    | 3    | Plate-Tapped            |
| 14   | 1-633111    | 1    | Switch                  |
| 15   | 3290-500    | 6    | Screw-PPH               |
| 16   | 1-513051    | 2    | Switch-Open, Normally   |

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 17   | 1-643178    | 1    | Cap-Insulator, Red           |
| 19   | 323-4       | 1    | Screw-HH                     |
| 21   | 103-1312    | 2    | Bolt-Holddown                |
| 22   | 103-1311-03 | 1    | Holddown-Battery             |
| 23   | 1-543792    | 2    | Wingnut                      |
| 24   | 1-803075    | 2    | Screw-Head, Truss            |
| 26   | 112-8650    | 1    | Hour Meter ASM               |
| 27   | 116-0124    | 1    | Switch-PTO, 10A              |
| 28   | 117-2221    | 1    | Switch-Ignition              |
| 29   | 1-303287    | 1    | Tie-Cable                    |
| 30   | 63-8360     | 2    | Key-Ignition                 |
| 31   | 107-9309    | 1    | Decal-Instructions, Charging |
| 32   | 110-0811    | 1    | Switch-Rocker                |
| 34   | 3290-357    | 1    | Nut-HHF, Whiz                |
| 35   | 33023-00    | 1    | Nut-Lock                     |
| 36   | 33114-016   | 1    | Screw-HH                     |
| 37   | 1-633396    | 2    | Clip-Loom                    |
| 38   | 321-5       | 2    | Screw-HH                     |
| 39   | 3256-22     | 2    | Washer-Flat                  |
| 40   | 3256-23     | 1    | Washer-Flat                  |



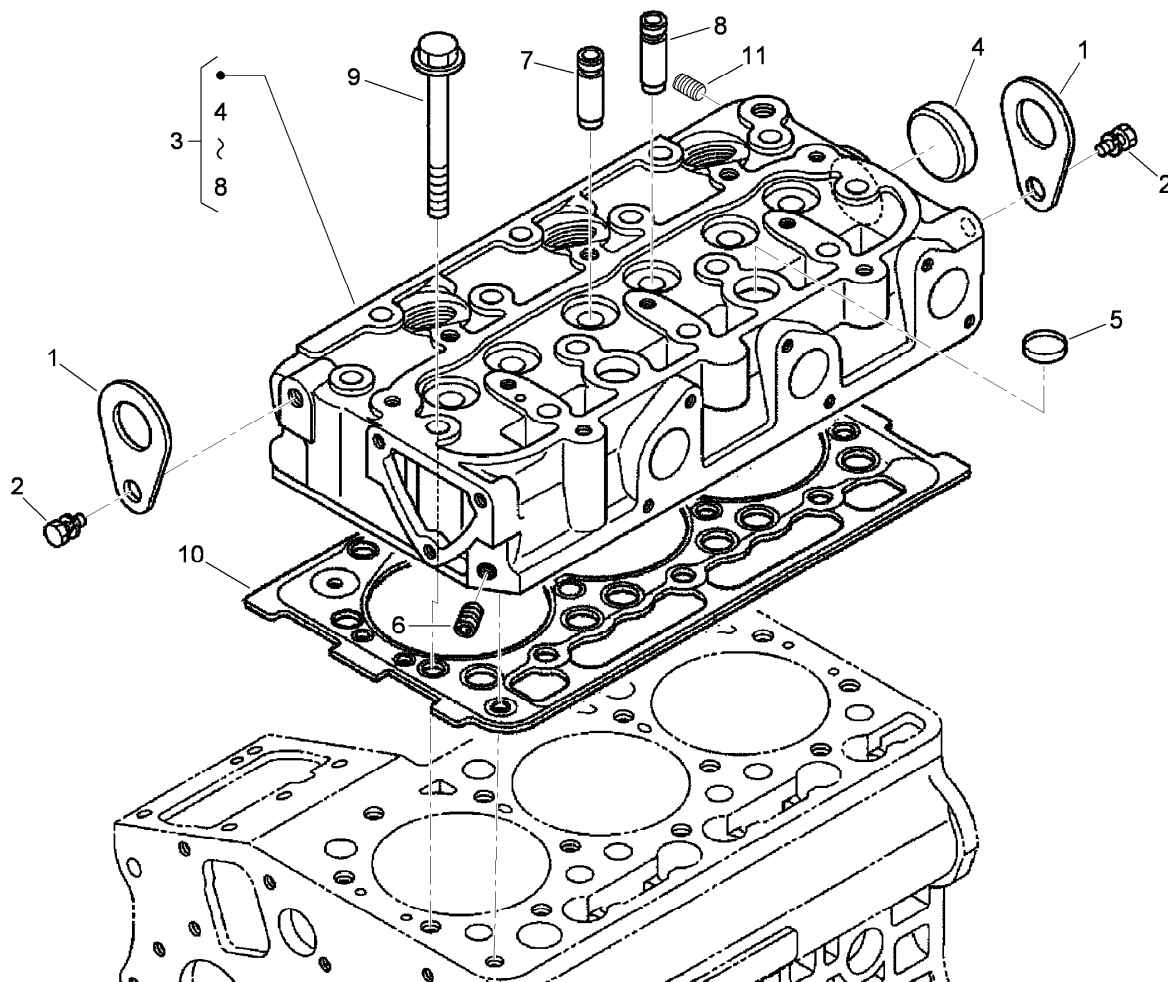
## Crankcase Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 117-0301    | 1    | Crankcase ASM        |
| 2    | 100-2019    | 3    | Cap-Sealing          |
| 3    | 100-2020    | 3    | Cap-Sealing          |
| 4    | 110-3702    | 2    | Cap-Sealing          |
| 5    | 98-9398     | 2    | Cap-Sealing          |
| 6    | 98-9687     | 5    | Plug                 |
| 7    | 98-7487     | 3    | Plug                 |
| 8    | 98-7488     | 1    | Plug                 |
| 9    | 100-1851    | 1    | Plug-Expansion       |
| 10   | 98-9375     | 2    | Pin-Straight         |
| 11   | 98-9377     | 2    | Pin-Straight         |
| 12   | 98-7506     | 1    | Pin-Pipe             |
| 13   | 98-9387     | 2    | Pin-Pipe             |
| 14   | 100-2051    | 2    | Pin-Pipe             |
| 15   | 100-1991    | 1    | Cover-Fuel, Camshaft |
| 17   | 98-9436     | 1    | Drain Cock ASM       |



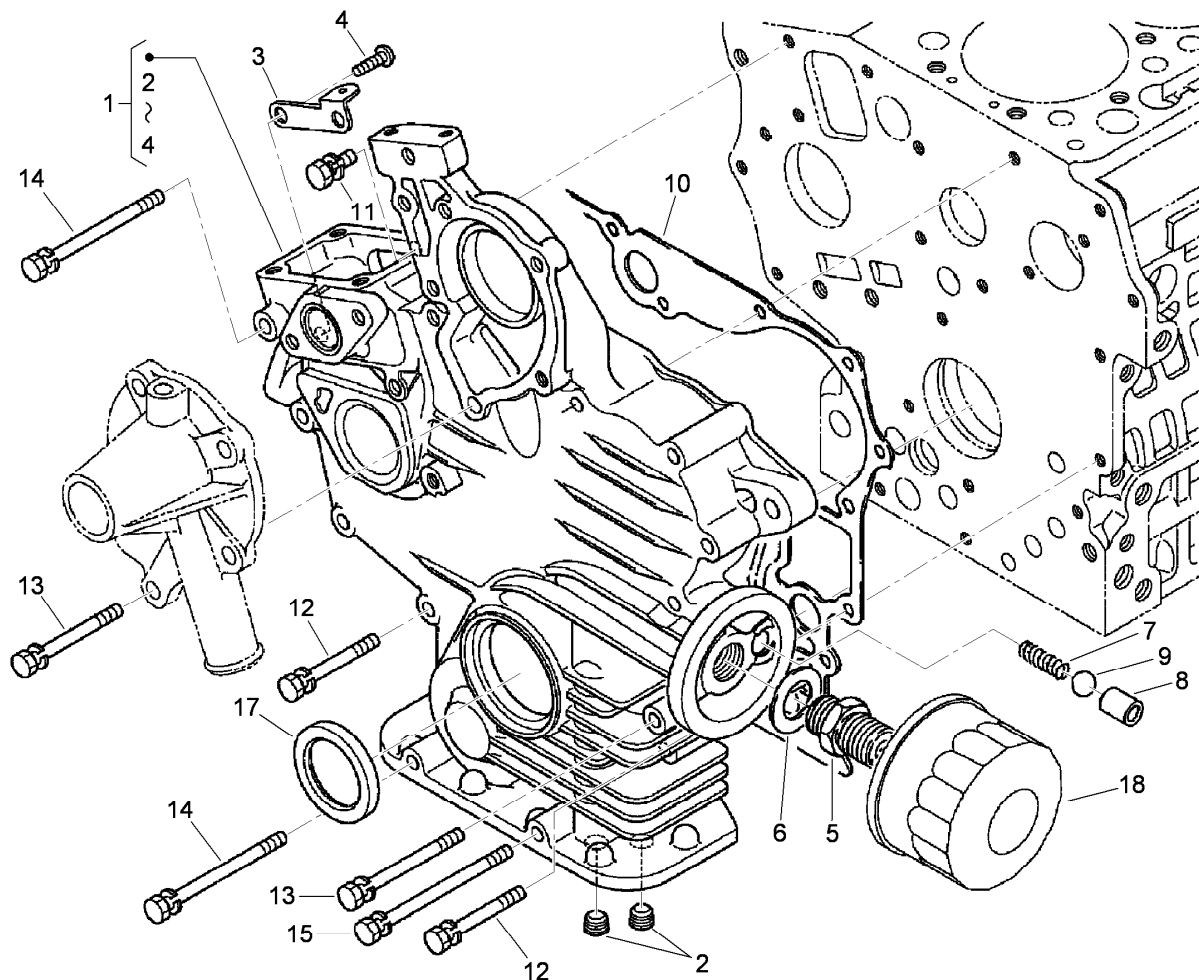
## Oil Pan Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 112-2523    | 1    | Pan-Oil              |
| 2    | 117-0302    | 22   | Bolt                 |
| 3    | 98-9686     | 1    | Plug-Drain           |
| 4    | 110-9715    | 1    | Gasket-Pan, Oil      |
| 5    | 100-2001    | 1    | Strainer-Pickup, Oil |
| 6    | 105-3776    | 1    | O-Ring               |
| 7    | 100-9195    | 1    | Bolt                 |
| 8    | 98-7524     | 1    | Gasket               |
| 9    | 114-8151    | 1    | Plug-Drain           |
| 10   | 112-8327    | 1    | Oil Pan Kit          |



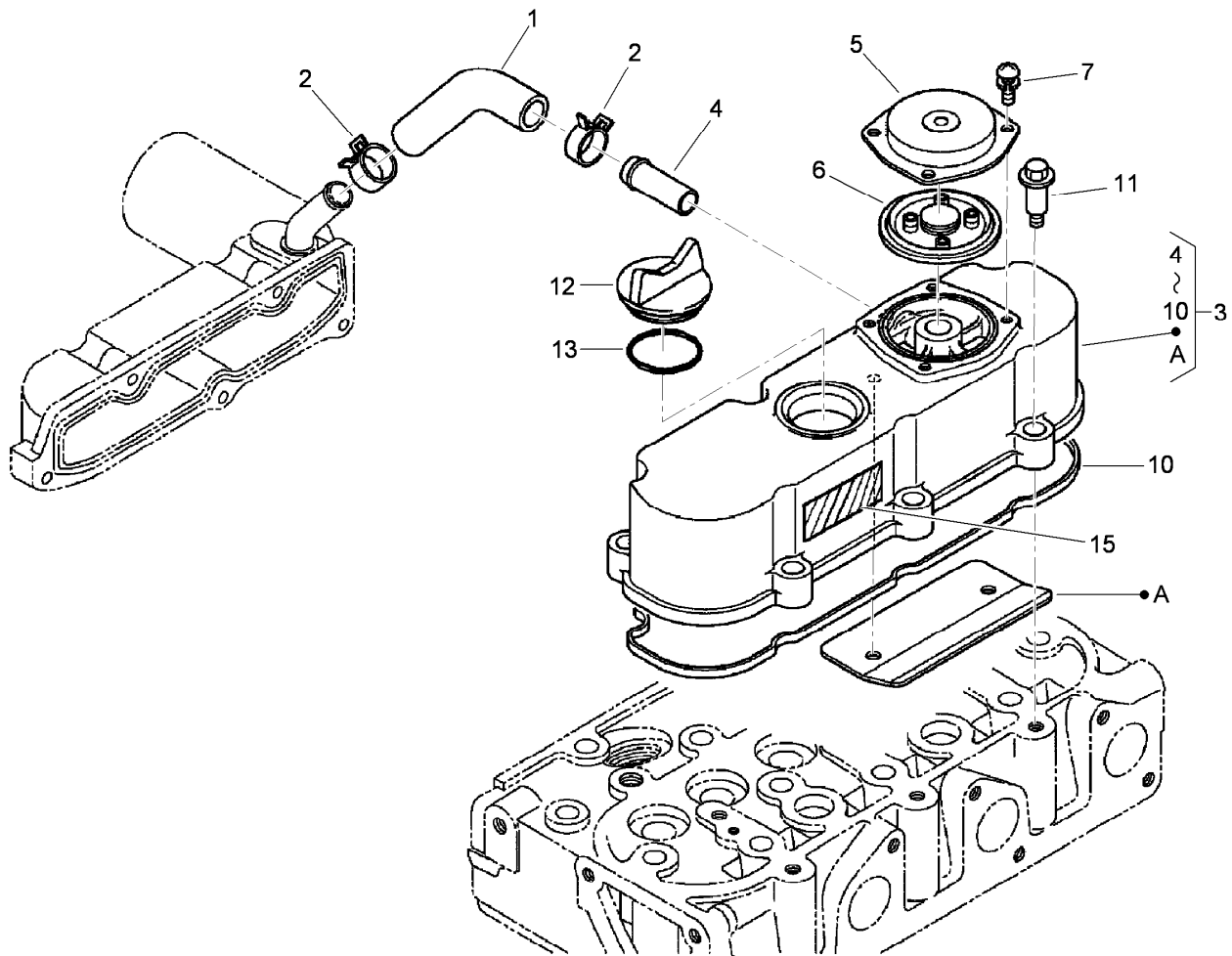
## Cylinder Head Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 98-7531     | 2    | Hook-Engine           |
| 2    | 98-7526     | 2    | Bolt                  |
| 3    | 112-8329    | 1    | Head-Cylinder         |
| 4    | 105-3705    | 1    | Cap-Sealing           |
| 5    | 98-9389     | 2    | Cap-Sealing           |
| 6    | 98-9687     | 1    | Plug                  |
| 7    | 100-1882    | 3    | Guide-Valve, Inlet    |
| 8    | 100-1883    | 3    | Guide-Valve, Exhaust  |
| 9    | 100-1820    | 14   | Bolt-Head, Cylinder   |
| 10   | 112-2520    | 1    | Gasket-Head, Cylinder |
| 11   | 98-9444     | 1    | Plug                  |



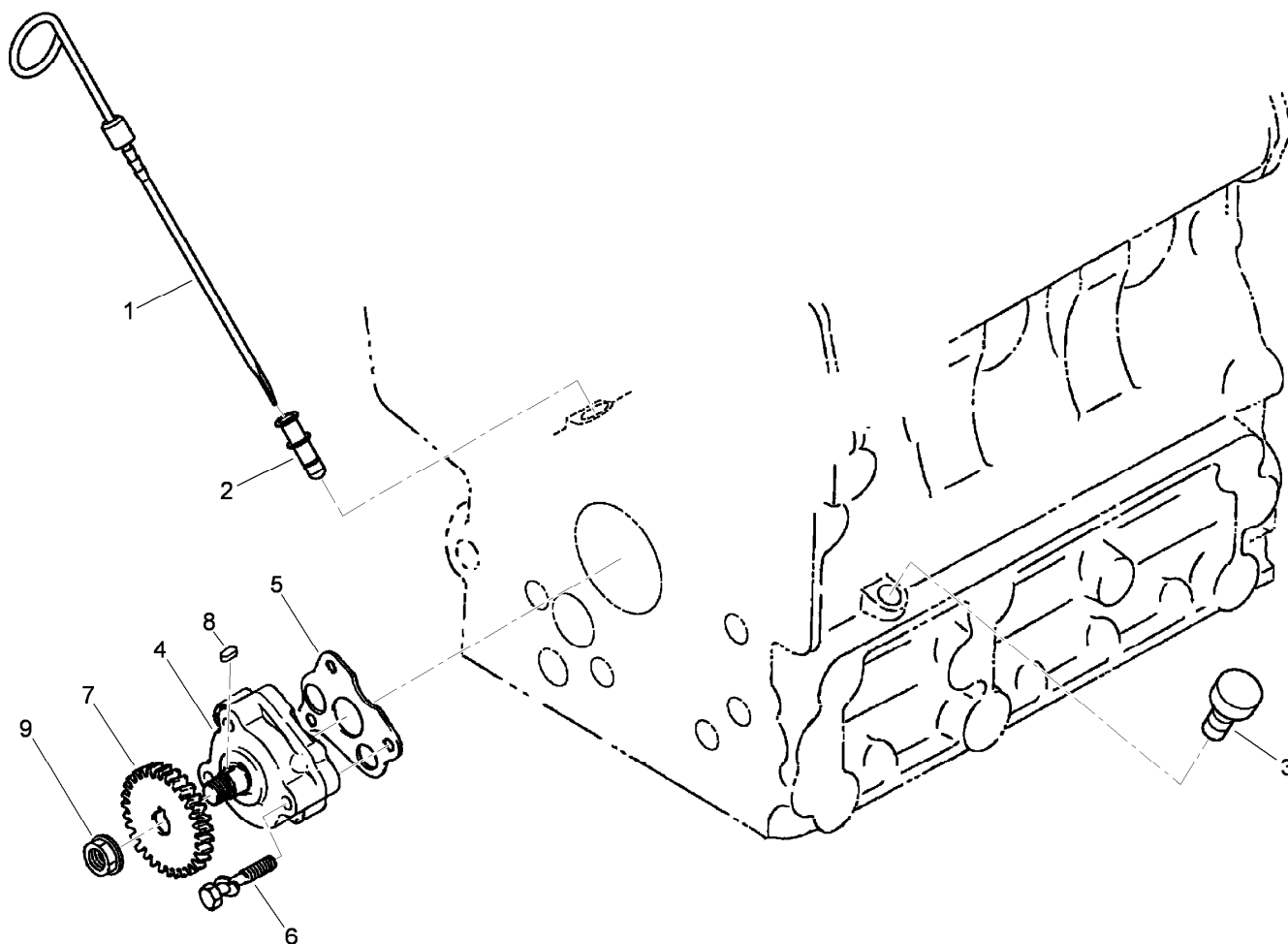
## Gear Case and Oil Filter Cartridge Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 112-8331    | 1    | Case-Gear             |
| 2    | 98-7488     | 2    | Plug                  |
| 3    | 110-3708    | 1    | Stay-Spring, Start    |
| 4    | 100-2040    | 2    | Screw                 |
| 5    | 98-9388     | 1    | Joint-Pipe            |
| 6    | 100-1926    | 1    | Washer-Plain          |
| 7    | 100-2004    | 1    | Spring                |
| 8    | 100-1894    | 1    | Seat-Valve            |
| 9    | 100-1792    | 1    | Ball                  |
| 10   | 117-0327    | 1    | Gasket-Case, Gear     |
| 11   | 98-7605     | 1    | Bolt                  |
| 12   | 105-3797    | 9    | Bolt                  |
| 13   | 100-1922    | 2    | Bolt                  |
| 14   | 98-9357     | 2    | Bolt                  |
| 15   | 110-3710    | 1    | Bolt                  |
| 17   | 100-1971    | 1    | Seal-Oil              |
| 18   | 100-1892    | 1    | Cartridge-Filter, Oil |



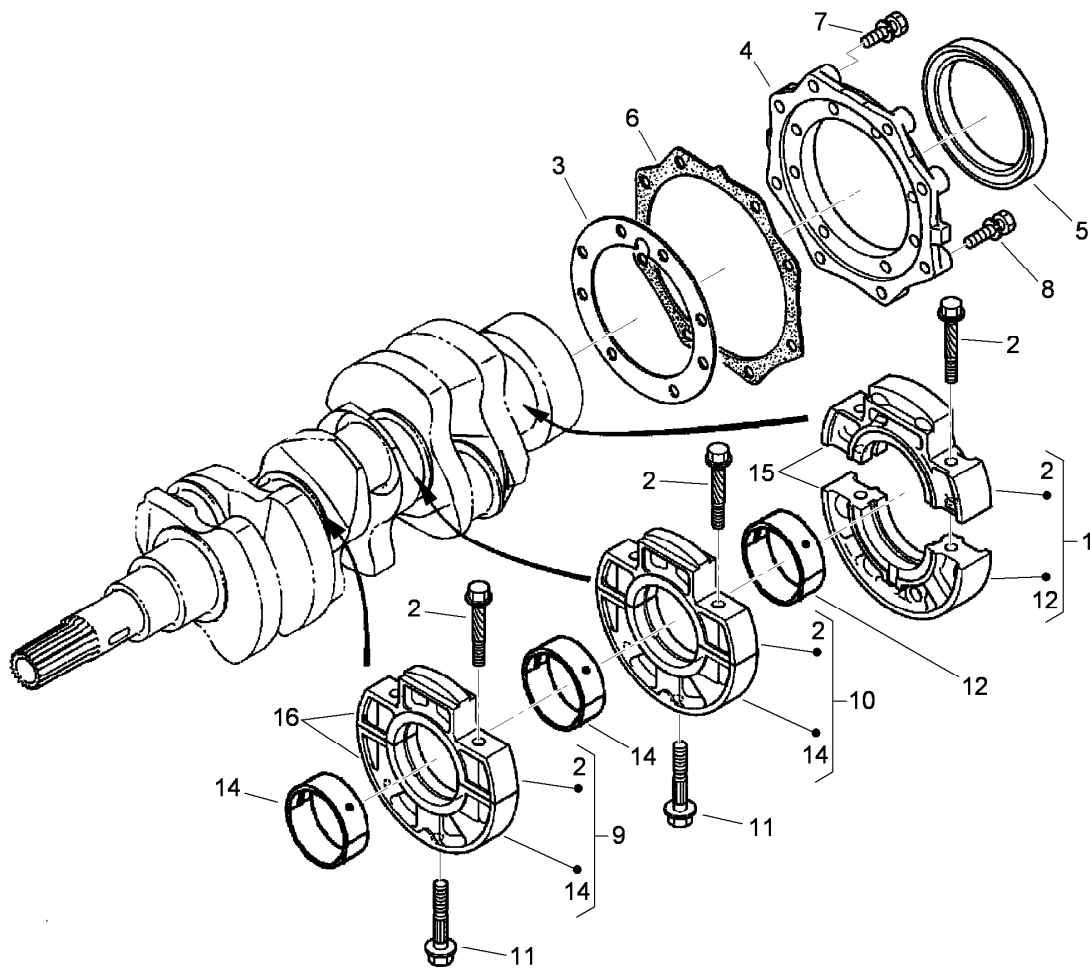
## Cylinder Head Cover Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 110-3711    | 1    | Tube-Breather           |
| 2    | 110-3712    | 2    | Clamp-Hose              |
| 3    | 112-8332    | 1    | Cylinder Head Cover ASM |
| 4    | 98-9580     | 1    | Pipe-Return, Water      |
| 5    | 110-3714    | 1    | Cover-Breather          |
| 6    | 110-3715    | 1    | Valve-Breather          |
| 7    | 98-9364     | 4    | Screw (With Washer)     |
| 10   | 112-2521    | 1    | Gasket-Cover, Head      |
| 11   | 108-7063    | 6    | Bolt                    |
| 12   | 107-9075    | 1    | Plug-Filler, Oil        |
| 13   | 99-3446     | 1    | O-Ring                  |
| 15   | 110-3843    | 1    | Label-Instruction       |



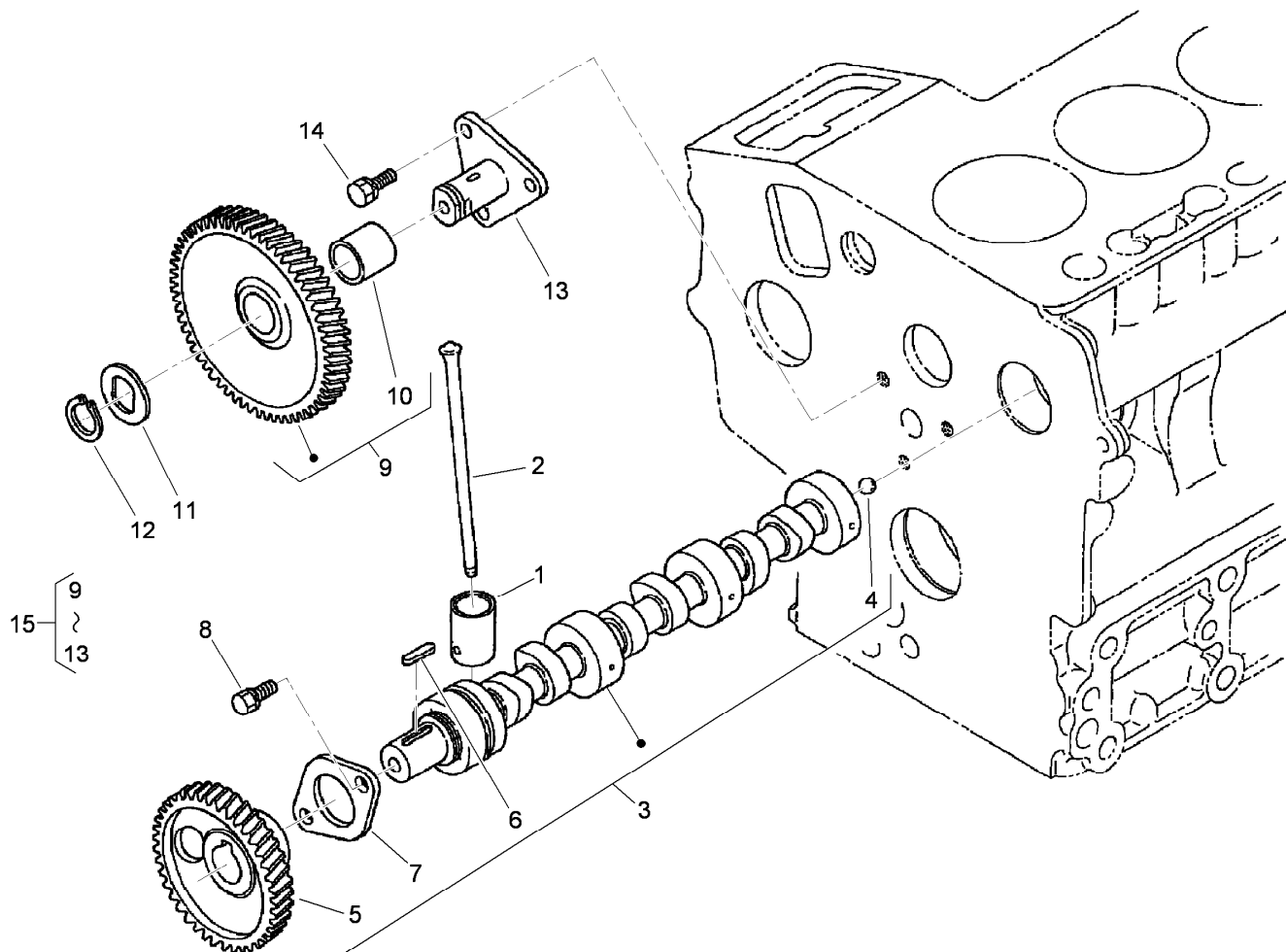
## Dipstick, Guide and Oil Pump Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-3719    | 1    | Gauge-Oil            |
| 2    | 105-4580    | 1    | Guide-Gauge, Oil     |
| 3    | 110-3720    | 1    | Plug-Gauge, Oil      |
| 4    | 100-2002    | 1    | Oil Pump ASM         |
| 5    | 100-2003    | 1    | Gasket-Pump, Oil     |
| 6    | 100-1923    | 3    | Bolt                 |
| 7    | 100-1893    | 1    | Gear-Drive, Oil Pump |
| 8    | 98-7658     | 1    | Key-Feather          |
| 9    | 100-1779    | 1    | Nut-Flange           |



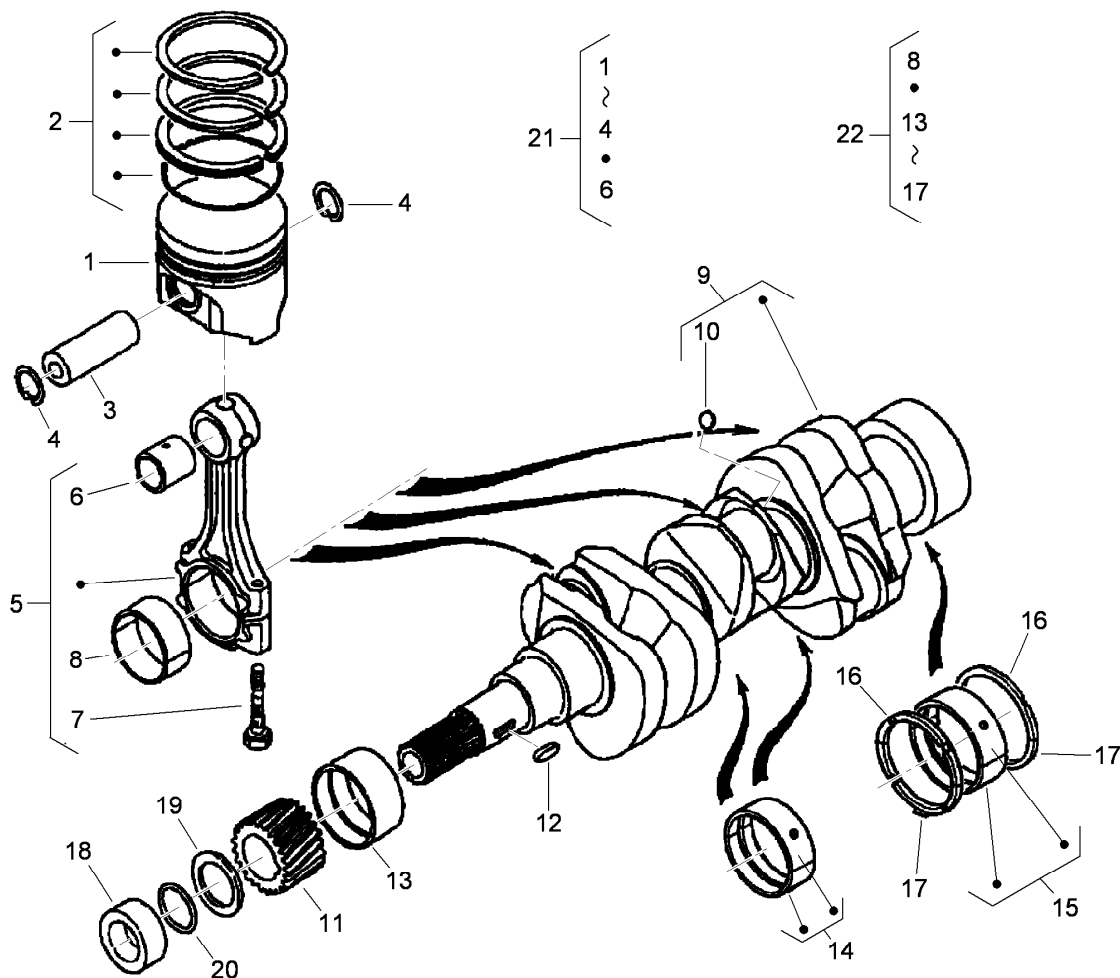
## Main Bearing Case Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 112-2494    | 1    | Wheel Case Bearing ASM     |
| 2    | 110-3723    | 6    | Bolt-Case, Bearing         |
| 3    | 117-0304    | 1    | Gasket-Case, Bearing       |
| 4    | 112-8334    | 1    | Cover-Case, Bearing        |
| 5    | 110-3724    | 1    | Seal-Oil                   |
| 6    | 100-1876    | 1    | Gasket-Case, Bearing       |
| 7    | 98-7568     | 8    | Bolt                       |
| 8    | 100-1750    | 8    | Bolt                       |
| 9    | 112-2495    | 1    | Main Case Bearing ASM      |
| 10   | 112-2496    | 1    | Main Case Bearing ASM      |
| 11   | 100-1874    | 2    | Bolt-Case, Bearing         |
| 12   | 110-3744    | 1    | Crankshaft Metal ASM (STD) |
| 12   | 110-3745    | 1    | Crankshaft Metal ASM       |
| 12   | 110-3746    | 1    | Crankshaft Metal ASM       |
| 14   | 110-3741    | 2    | Crankshaft Metal ASM (STD) |
| 14   | 110-3742    | 2    | Crankshaft Metal ASM       |
| 14   | 110-3743    | 2    | Crankshaft Metal ASM       |
| 15   | 110-3722    | 1    | Main Bearing Case ASM      |
| 16   | 110-3725    | 1    | Main Bearing Case ASM      |



## Cam Shaft and Idle Gear Assembly

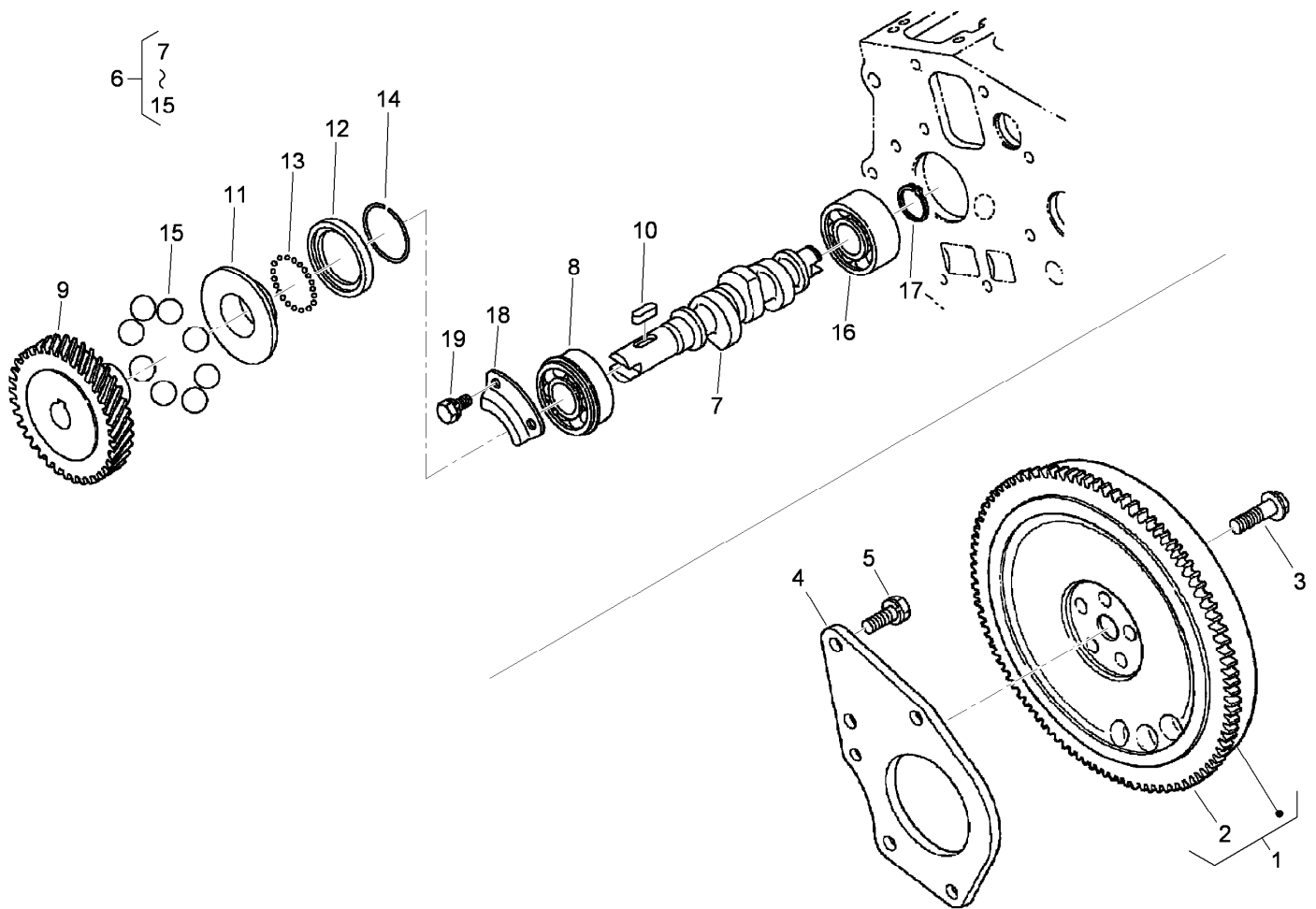
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 110-3727    | 6    | Tappet            |
| 2    | 100-1989    | 6    | Rod-Push          |
| 3    | 117-0305    | 1    | Camshaft ASM      |
| 4    | 110-3729    | 1    | Ball              |
| 5    | 100-2163    | 1    | Gear-Cam          |
| 6    | 98-9378     | 1    | Key-Feather       |
| 7    | 100-1887    | 1    | Camshaft-Stopper  |
| 8    | 98-9350     | 2    | Bolt              |
| 9    | 100-1966    | 1    | Gear-Idle         |
| 10   | 100-1968    | 1    | Bushing           |
| 11   | 100-1970    | 1    | Collar-Gear, Idle |
| 12   | 100-1969    | 1    | Ring-Snap         |
| 13   | 100-1967    | 1    | Shaft-Gear, Idle  |
| 14   | 98-9351     | 1    | Bolt              |
| 15   | 100-2240    | 1    | Idle Gear ASM     |



## Piston and Crankshaft Assembly

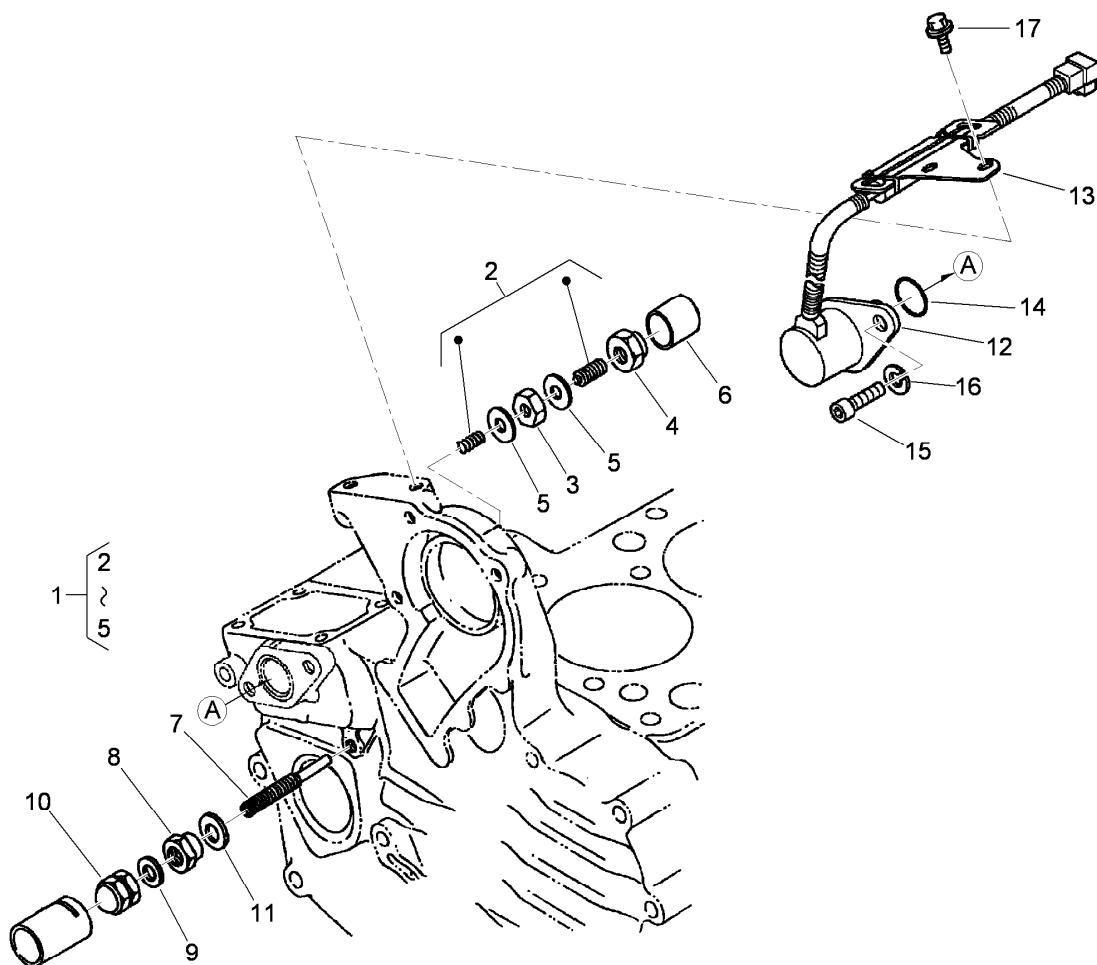
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 117-0306    | 3    | Piston                     |
| 1    | 117-0307    | 3    | Piston                     |
| 2    | 112-2501    | 3    | Piston Ring ASM            |
| 2    | 112-2502    | 3    | Piston Ring ASM            |
| 3    | 110-3734    | 3    | Pin-Piston                 |
| 4    | 100-1835    | 6    | Clip-Pin, Piston           |
| 5    | 110-3735    | 3    | Connecting Rod ASM         |
| 6    | 110-3736    | 3    | Bushing-Pin, Piston        |
| 7    | 100-1999    | 6    | Bolt-Rod, Connecting       |
| 8    | 100-1942    | 3    | Crankpin-Metal             |
| 8    | 100-1943    | 3    | Crankpin-Metal             |
| 8    | 100-2000    | 3    | Metal-Crankpin             |
| 9    | 117-0308    | 1    | Crankshaft                 |
| 10   | 100-1791    | 3    | Ball                       |
| 11   | 100-1891    | 1    | Gear-Crankshaft            |
| 12   | 100-1752    | 1    | Key-Feather                |
| 13   | 110-3738    | 1    | Metal-Crankshaft           |
| 13   | 110-3739    | 1    | Metal-Crankshaft           |
| 13   | 110-3740    | 1    | Metal-Crankshaft           |
| 14   | 110-3741    | 1    | Crankshaft Metal ASM (STD) |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 14   | 110-3742    | 1    | Crankshaft Metal ASM       |
| 14   | 110-3743    | 1    | Crankshaft Metal ASM       |
| 15   | 110-3744    | 1    | Crankshaft Metal ASM (STD) |
| 15   | 110-3745    | 1    | Crankshaft Metal ASM       |
| 15   | 110-3746    | 1    | Crankshaft Metal ASM       |
| 16   | 100-1836    | 2    | Metal-Side                 |
| 16   | 100-1838    | 2    | Metal-Side                 |
| 16   | 100-1839    | 2    | Metal-Side                 |
| 17   | 117-0309    | 2    | Metal, Side                |
| 17   | 117-0310    | 2    | Metal, Side                |
| 17   | 117-0311    | 2    | Metal, Side                |
| 18   | 100-1890    | 1    | Collar-Crankshaft          |
| 19   | 100-1974    | 1    | Slinger-Oil                |
| 20   | 100-2209    | 1    | O-Ring                     |
| 21   | 117-0328    | 3    | Piston Kit                 |
| 21   | 117-0329    | 3    | Piston Kit                 |
| 22   | 110-3749    | 1    | Engine Metal Kit           |
| 22   | 110-3750    | 1    | Engine Metal Kit           |
| 22   | 110-3751    | 1    | Engine Metal Kit           |



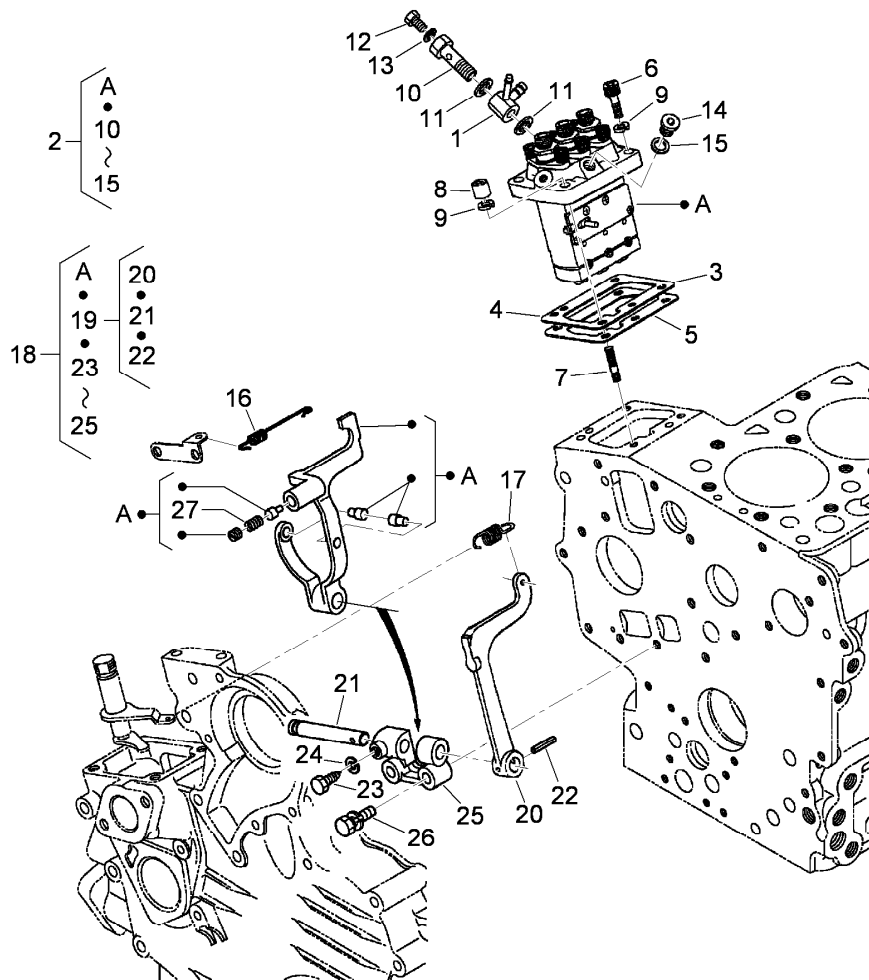
## Flywheel and Fuel Camshaft Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 110-3752    | 1    | Flywheel               |
| 2    | 112-2816    | 1    | Gear-Ring              |
| 3    | 100-1930    | 5    | Bolt-Flywheel          |
| 4    | 117-0323    | 1    | Plate-End, Rear        |
| 5    | 110-3754    | 3    | Bolt                   |
| 6    | 112-8335    | 1    | Fuel Camshaft ASM      |
| 7    | 110-3756    | 1    | Camshaft-Fuel          |
| 8    | 100-1795    | 1    | Bearing-Ball           |
| 9    | 100-2006    | 1    | Gear-Pump, Injection   |
| 10   | 100-1752    | 1    | Key-Feather            |
| 11   | 112-8336    | 1    | Sleeve-Governor        |
| 12   | 100-1904    | 1    | Case-Ball, Governor    |
| 13   | 100-1790    | 32   | Ball                   |
| 14   | 100-1843    | 1    | Clip-Sleeve, Governor  |
| 15   | 100-1793    | 8    | Ball                   |
| 16   | 110-3757    | 1    | Bearing-Ball           |
| 17   | 100-1784    | 1    | Clip-External          |
| 18   | 100-1888    | 1    | Stopper-Fuel, Camshaft |
| 19   | 98-9350     | 2    | Bolt                   |



## Idle Apparatus and Stop Solenoid Assembly

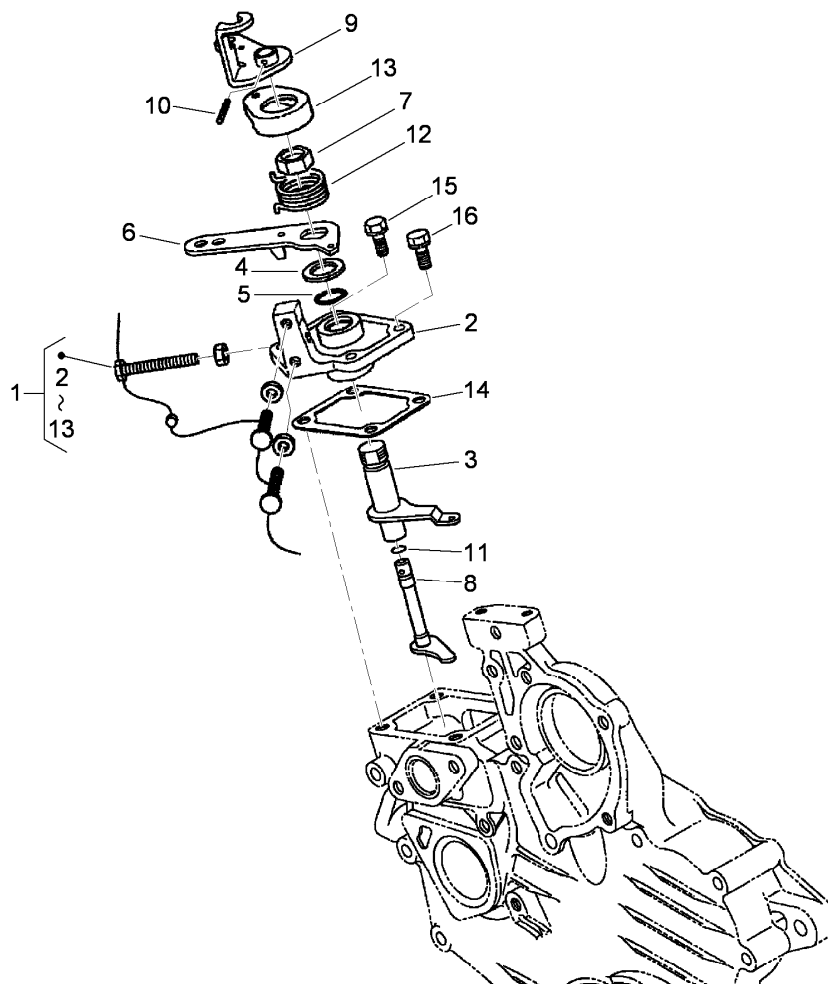
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 100-1898    | 1    | Idle Apparatus ASM   |
| 2    | 100-1899    | 1    | Adjusting Bolt ASM   |
| 3    | 100-1846    | 1    | Nut                  |
| 4    | 100-1901    | 1    | Nut-Cap              |
| 5    | 98-7428     | 2    | Gasket               |
| 6    | 100-1902    | 1    | Cap                  |
| 7    | 110-3758    | 1    | Bolt-Adjusting       |
| 8    | 100-2175    | 1    | Nut-Lock             |
| 9    | 98-7654     | 1    | Gasket               |
| 10   | 99-8387     | 1    | Nut-Cap              |
| 11   | 107-9081    | 1    | Gasket               |
| 12   | 110-3760    | 1    | Solenoid-Stop        |
| 13   | 110-3761    | 1    | Stay-Commander, Coil |
| 14   | 110-3762    | 1    | O-Ring               |
| 15   | 110-3763    | 2    | Bolt-HSH             |
| 16   | 98-7699     | 2    | Washer-Spring        |
| 17   | 100-1774    | 2    | Bolt-Flange          |



## Injection Pump and Governor Assembly

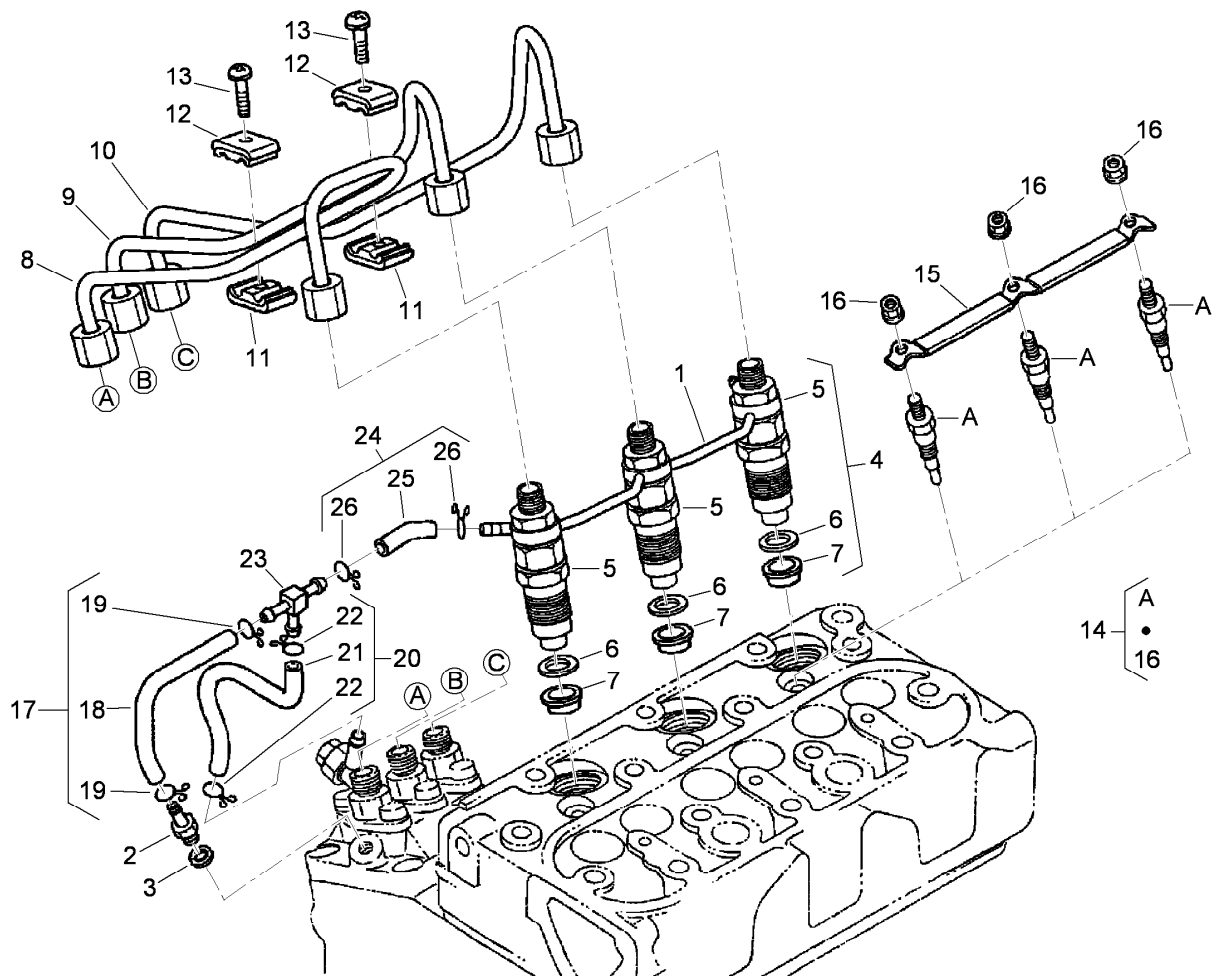
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 110-3764    | 1    | Joint                    |
| 2    | 110-3765    | 1    | Injection Pump ASM       |
| 3    | 98-9456     | 1    | Shim-Injection (0.20Mm)  |
| 4    | 115-3045    | 1    | Shim-Injection (0.175Mm) |
| 5    | 115-3046    | 1    | Shim-Injection (0.35Mm)  |
| 6    | 98-9361     | 2    | Bolt-HSH                 |
| 7    | 98-9438     | 2    | Stud                     |
| 8    | 98-9440     | 2    | Nut-Cap                  |
| 9    | 98-7699     | 4    | Washer-Spring            |
| 10   | 100-1896    | 1    | Screw-Hollow             |
| 11   | 98-9445     | 2    | Gasket                   |
| 12   | 98-9430     | 1    | Screw                    |
| 13   | 98-9446     | 1    | Gasket                   |
| 14   | 98-9466     | 1    | Plug                     |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 15   | 98-9451     | 1    | Gasket             |
| 16   | 110-3766    | 1    | Spring-Start       |
| 17   | 110-3767    | 1    | Spring-Governor    |
| 18   | 112-8337    | 1    | Fork Lever ASM     |
| 19   | 100-1905    | 1    | Fork Lever ASM     |
| 20   | 100-1907    | 1    | Lever-Fork         |
| 21   | 100-1908    | 1    | Shaft-Lever, Fork  |
| 22   | 100-1751    | 1    | Pin-Spring         |
| 23   | 100-1845    | 1    | Bolt               |
| 24   | 100-2204    | 1    | Washer-Spring      |
| 25   | 100-1909    | 1    | Holder-Lever, Fork |
| 26   | 100-1763    | 2    | Bolt               |
| 27   | 117-0313    | 1    | Spring             |



## Speed Control Plate Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 110-3769    | 1    | Speed Control Plate ASM |
| 2    | 110-3770    | 1    | Plate-Control, Speed    |
| 3    | 110-3771    | 1    | Lever-Governor          |
| 4    | 110-3772    | 1    | Collar                  |
| 5    | 100-2208    | 1    | O-Ring                  |
| 6    | 110-3773    | 1    | Lever-Control, Speed    |
| 7    | 110-3774    | 1    | Nut-Control, Speed      |
| 8    | 110-3775    | 1    | Shaft-Lever             |
| 9    | 110-3776    | 1    | Lever-Stop, Engine      |
| 10   | 110-3777    | 1    | Pin-Spring              |
| 11   | 100-2207    | 1    | O-Ring                  |
| 12   | 110-3778    | 1    | Spring-Return           |
| 13   | 110-3779    | 1    | Cap                     |
| 14   | 100-1962    | 1    | Gasket-Plate, Control   |
| 15   | 98-7605     | 2    | Bolt                    |
| 16   | 112-2507    | 2    | Bolt                    |

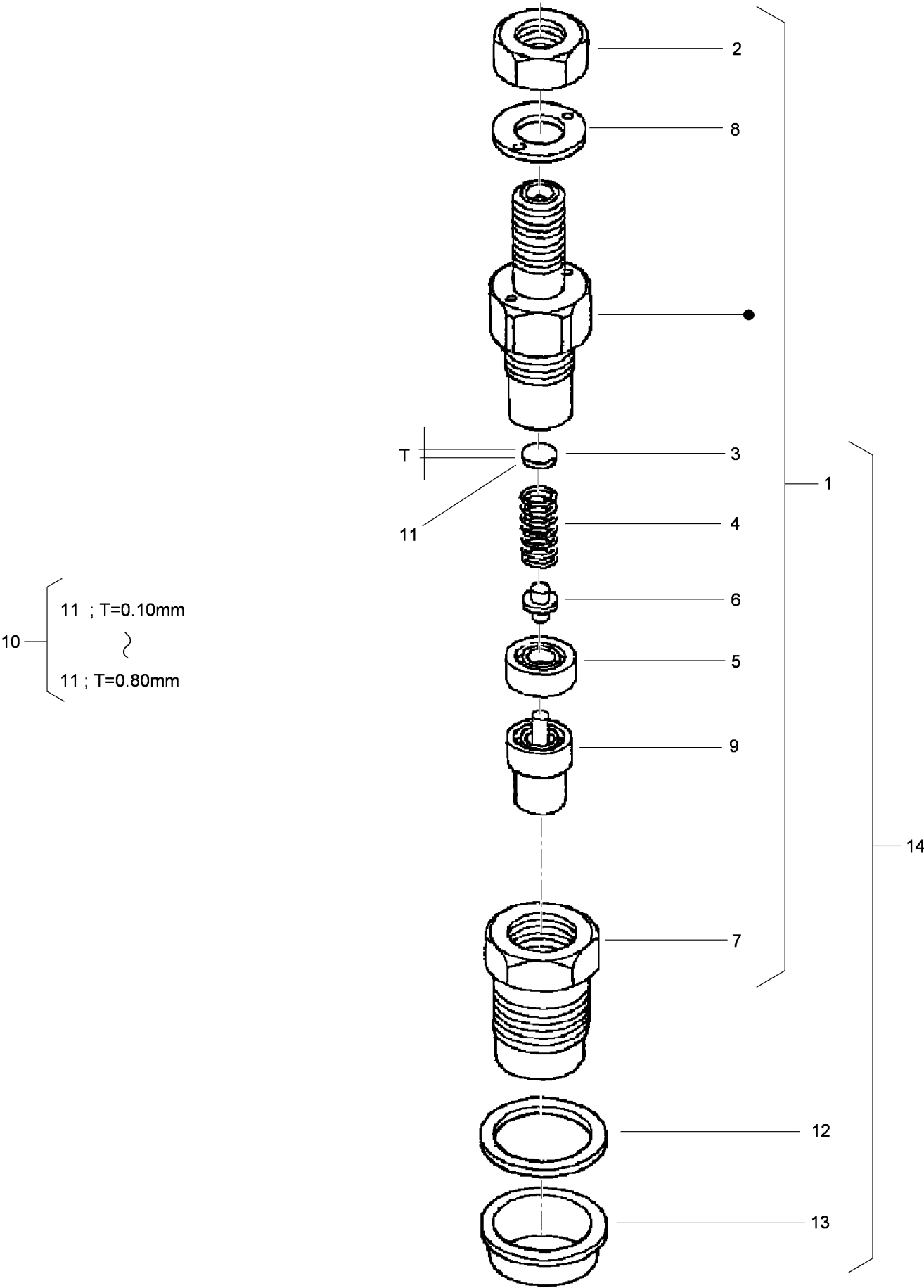


## Nozzle Holder and Glow Plug Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 110-3780    | 1    | Over Flow Pipe ASM |
| 2    | 98-9431     | 1    | Screw-Bleeder, Air |
| 3    | 98-7654     | 1    | Gasket             |
| 4    | 100-1982    | 3    | Nozzle Holder Kit  |
| 5    | 100-1758    | 3    | Nozzle Holder ASM  |
| 6    | 98-7676     | 3    | Gasket             |
| 7    | 98-7677     | 3    | Seal-Heat          |
| 8    | 110-3781    | 1    | Pipe-Injection     |
| 9    | 110-3782    | 1    | Pipe-Injection     |
| 10   | 110-3783    | 1    | Pipe-Injection     |
| 11   | 98-7682     | 2    | Clamp-Pipe         |
| 12   | 98-7683     | 2    | Clamp-Pipe         |
| 13   | 98-7684     | 2    | Screw (W/Washer)   |

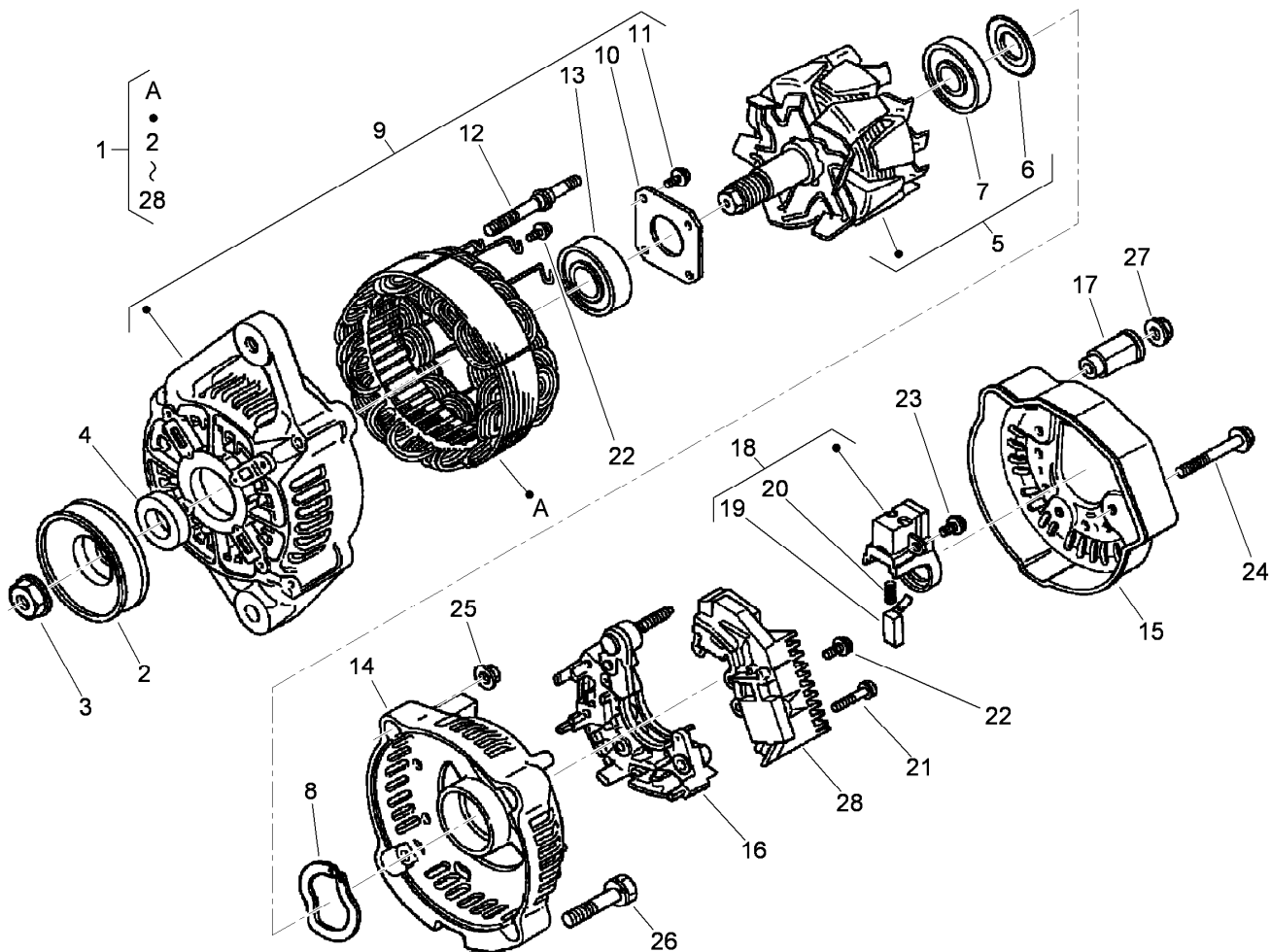
| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 14   | 98-7685     | 3    | Plug-Glow       |
| 15   | 110-3784    | 1    | Cord-Plug, Glow |
| 16   | 99-8377     | 3    | Nut-Flange      |
| 17   | 110-3785    | 1    | Fuel Tube ASM   |
| 18   | 110-3786    | 1    | Tube-Fuel       |
| 19   | 98-7671     | 4    | Clip-Pipe       |
| 20   | 110-3787    | 1    | Fuel Tube ASM   |
| 21   | 110-3788    | 1    | Tube-Fuel       |
| 22   | 98-7671     | 2    | Clip-Pipe       |
| 23   | 112-8338    | 1    | Pipe-Joint, T   |
| 24   | 110-3790    | 1    | Fuel Tube ASM   |
| 25   | 110-3791    | 1    | Tube-Fuel       |
| 26   | 100-2217    | 2    | Clip-Pipe       |

# Nozzle Holder Assembly



## Nozzle Holder Assembly (continued)

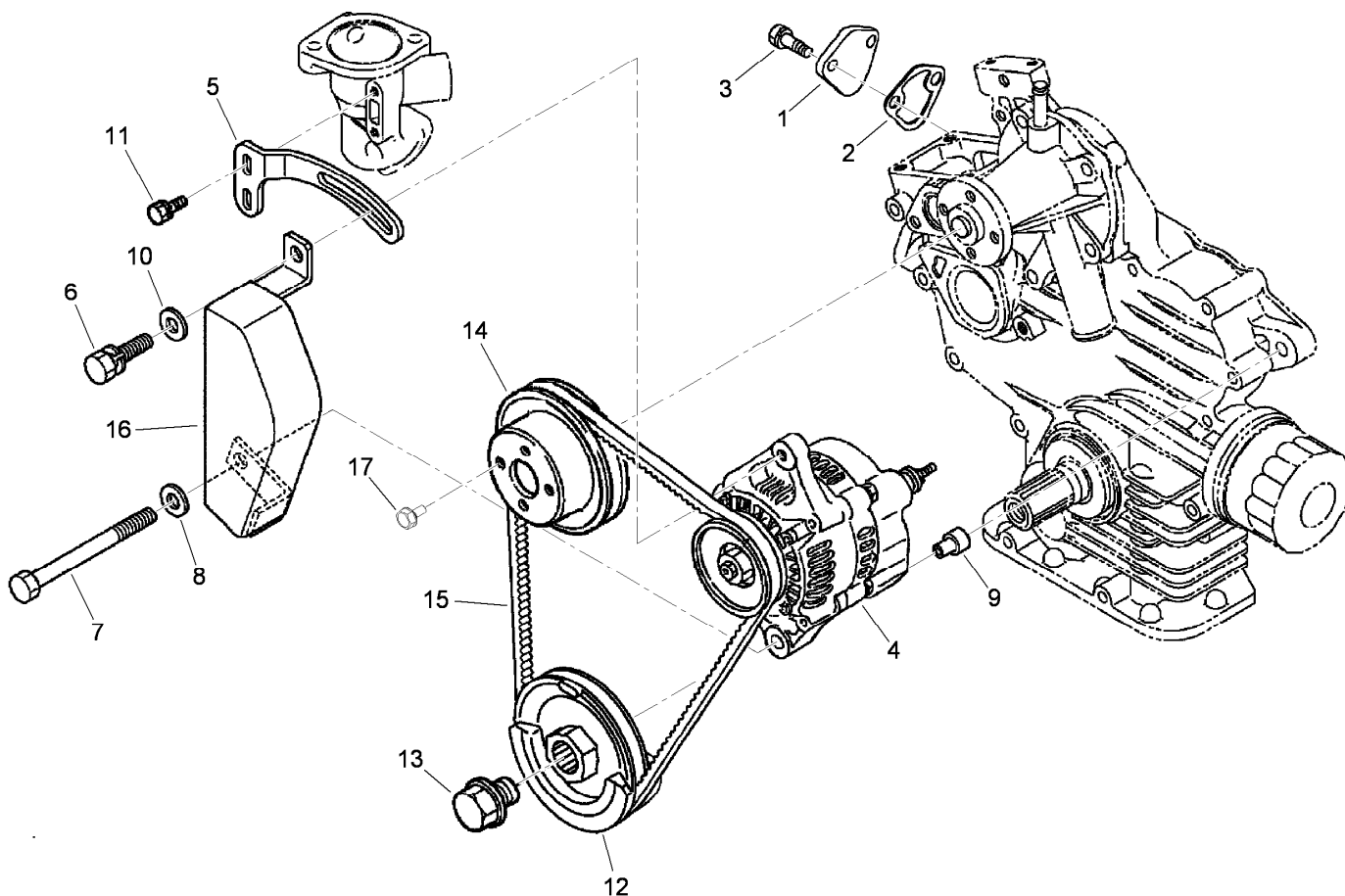
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|--------------------|
| 1           | 100-1758           | 3           | Nozzle Holder ASM    | 11          | 98-7858            | 3           | Washer-Adjusting   |
| 2           | 98-7613            | 3           | Nut                  | 11          | 98-7859            | 3           | Washer-Adjusting   |
| 3           | 98-7642            | 3           | Washer-Adjusting     | 11          | 98-7860            | 3           | Washer-Adjusting   |
| 4           | 98-7647            | 3           | Spring-Nozzle        | 11          | 98-7861            | 3           | Washer-Adjusting   |
| 5           | 98-7665            | 3           | Spacer-Distance      | 11          | 98-7862            | 3           | Washer-Adjusting   |
| 6           | 98-7666            | 3           | Rod-Push             | 11          | 98-7863            | 3           | Washer-Adjusting   |
| 7           | 100-2008           | 3           | Nut-Nozzle           | 11          | 98-7864            | 3           | Washer-Adjusting   |
| 8           | 98-7668            | 3           | Washer               | 11          | 98-7865            | 3           | Washer-Adjusting   |
| 9           | 100-2009           | 3           | Piece-Nozzle         | 11          | 98-7866            | 3           | Washer-Adjusting   |
| 10          | 98-9448            | 3           | Adjusting Washer ASM | 11          | 98-7867            | 3           | Washer-Adjusting   |
| 11          | 98-7642            | 3           | Washer-Adjusting     | 11          | 98-7868            | 3           | Washer-Adjusting   |
| 11          | 98-7841            | 3           | Washer-Adjusting     | 11          | 98-7869            | 3           | Washer-Adjusting   |
| 11          | 98-7842            | 3           | Washer-Adjusting     | 11          | 98-7870            | 3           | Washer-Adjusting   |
| 11          | 98-7843            | 3           | Washer-Adjusting     | 11          | 98-7871            | 3           | Washer-Adjusting   |
| 11          | 98-7844            | 3           | Washer-Adjusting     | 11          | 98-7872            | 3           | Washer-Adjusting   |
| 11          | 98-7845            | 3           | Washer-Adjusting     | 11          | 98-7873            | 3           | Washer-Adjusting   |
| 11          | 98-7846            | 3           | Washer-Adjusting     | 11          | 98-7874            | 3           | Washer-Adjusting   |
| 11          | 98-7847            | 3           | Washer-Adjusting     | 11          | 98-7875            | 3           | Washer-Adjusting   |
| 11          | 98-7848            | 3           | Washer-Adjusting     | 11          | 98-7876            | 3           | Washer-Adjusting   |
| 11          | 98-7849            | 3           | Washer-Adjusting     | 11          | 98-7877            | 3           | Washer-Adjusting   |
| 11          | 98-7850            | 3           | Washer-Adjusting     | 11          | 98-7878            | 3           | Washer-Adjusting   |
| 11          | 98-7851            | 3           | Washer-Adjusting     | 11          | 98-7879            | 3           | Washer-Adjusting   |
| 11          | 98-7852            | 3           | Washer-Adjusting     | 11          | 98-7880            | 3           | Washer-Adjusting   |
| 11          | 98-7853            | 3           | Washer-Adjusting     | 11          | 98-7881            | 3           | Washer-Adjusting   |
| 11          | 98-7854            | 3           | Washer-Adjusting     | 11          | 98-7882            | 3           | Washer-Adjusting   |
| 11          | 98-7855            | 3           | Washer-Adjusting     | 12          | 98-7676            | 3           | Gasket             |
| 11          | 98-7856            | 3           | Washer-Adjusting     | 13          | 98-7677            | 3           | Seal-Heat          |
| 11          | 98-7857            | 3           | Washer-Adjusting     | 14          | 100-1982           | 3           | Nozzle Holder Kit  |



## Alternator Components Assembly

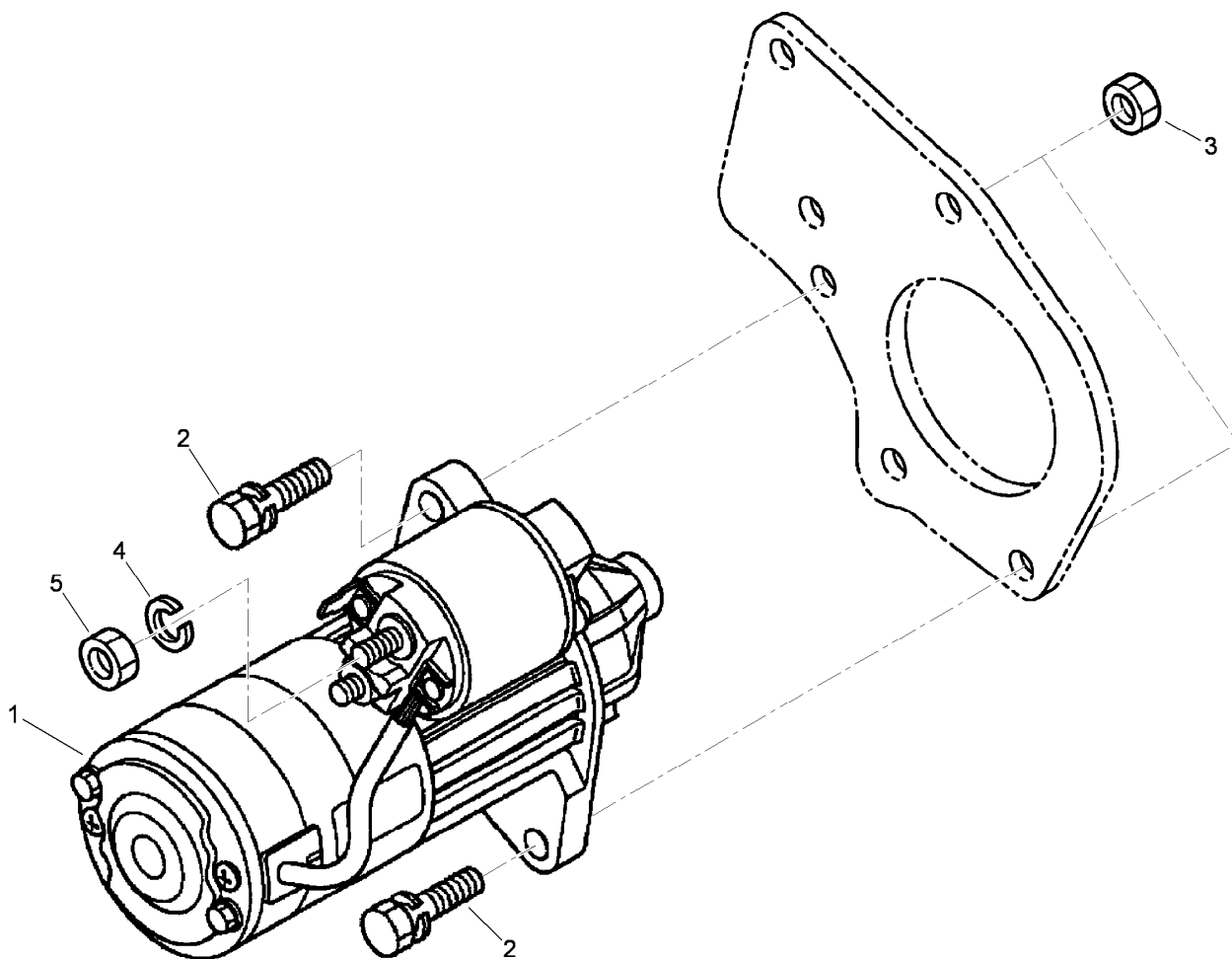
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 98-9474     | 1    | Alternator ASM      |
| 2    | 98-9453     | 1    | Pulley-Dynamo       |
| 3    | 98-7708     | 1    | Nut                 |
| 4    | 98-7709     | 1    | Collar              |
| 5    | 107-0136    | 1    | Rotor ASM           |
| 6    | 98-7711     | 1    | Cover-Bearing       |
| 7    | 107-0138    | 1    | Bearing-Ball        |
| 8    | 98-7713     | 1    | Washer-Thrust       |
| 9    | 107-0139    | 1    | Drive End Frame ASM |
| 10   | 98-7715     | 1    | Plate-Retainer      |
| 11   | 98-7716     | 4    | Screw-Head, Round   |
| 12   | 98-7717     | 2    | Bolt-Through        |
| 13   | 107-0137    | 1    | Bearing-Ball        |
| 14   | 107-9087    | 1    | Frame-End           |

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 15   | 107-0140    | 1    | Cover-End          |
| 16   | 98-7721     | 1    | Rectifier ASM      |
| 17   | 98-7722     | 1    | Bushing-Insulation |
| 18   | 107-0141    | 1    | Brush Holder ASM   |
| 19   | 98-7724     | 2    | Brush              |
| 20   | 98-7725     | 2    | Spring-Brush       |
| 21   | 98-7726     | 2    | Screw-Head, Round  |
| 22   | 98-7727     | 6    | Screw-Head, Round  |
| 23   | 98-7728     | 1    | Screw-Head, Round  |
| 24   | 98-7729     | 3    | Bolt               |
| 25   | 98-7730     | 2    | Nut                |
| 26   | 98-7731     | 2    | Bolt               |
| 27   | 98-7732     | 1    | Nut                |
| 28   | 110-3799    | 1    | Regulator ASM      |



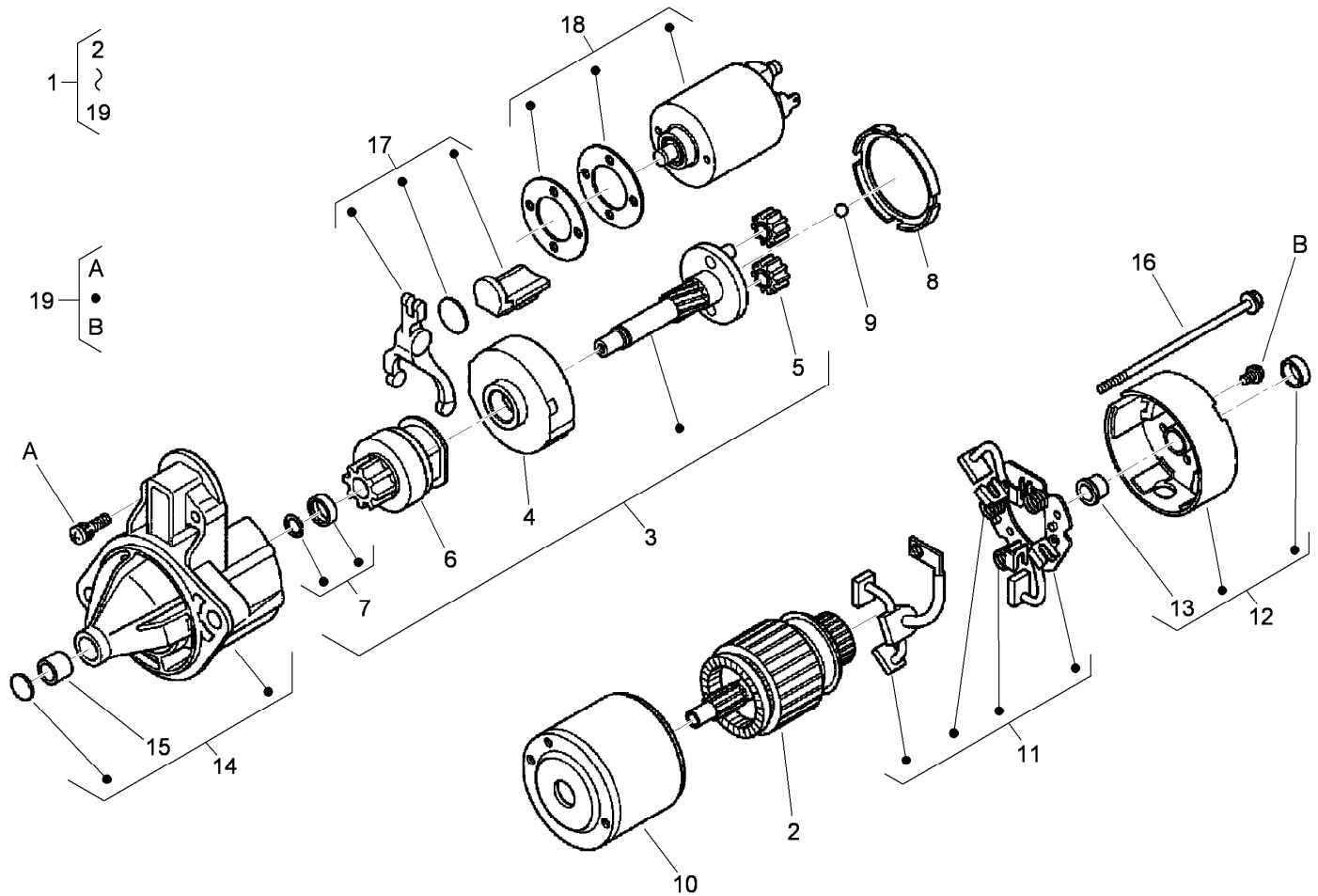
## Alternator, Pulley and Fuel Pump Cover Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 99-3514     | 1    | Cover             |
| 2    | 98-9636     | 1    | Gasket-Pump, Fuel |
| 3    | 98-7692     | 2    | Bolt              |
| 4    | 98-9474     | 1    | Alternator ASM    |
| 5    | 110-3792    | 1    | Stay-Alternator   |
| 6    | 98-7697     | 1    | Bolt              |
| 7    | 110-3793    | 1    | Bolt              |
| 8    | 98-7660     | 1    | Washer-Plain      |
| 9    | 110-3794    | 1    | Collar            |
| 10   | 100-9233    | 1    | Washer-Plain      |
| 11   | 98-7605     | 2    | Bolt              |
| 12   | 110-3795    | 1    | Pulley-Drive, Fan |
| 13   | 100-1978    | 1    | Bolt              |
| 14   | 100-1921    | 1    | Pulley-Fan        |
| 15   | 110-3796    | 1    | Belt-V            |
| 16   | 110-3797    | 1    | Cover             |
| 17   | 99-8363     | 4    | Bolt-Flange       |



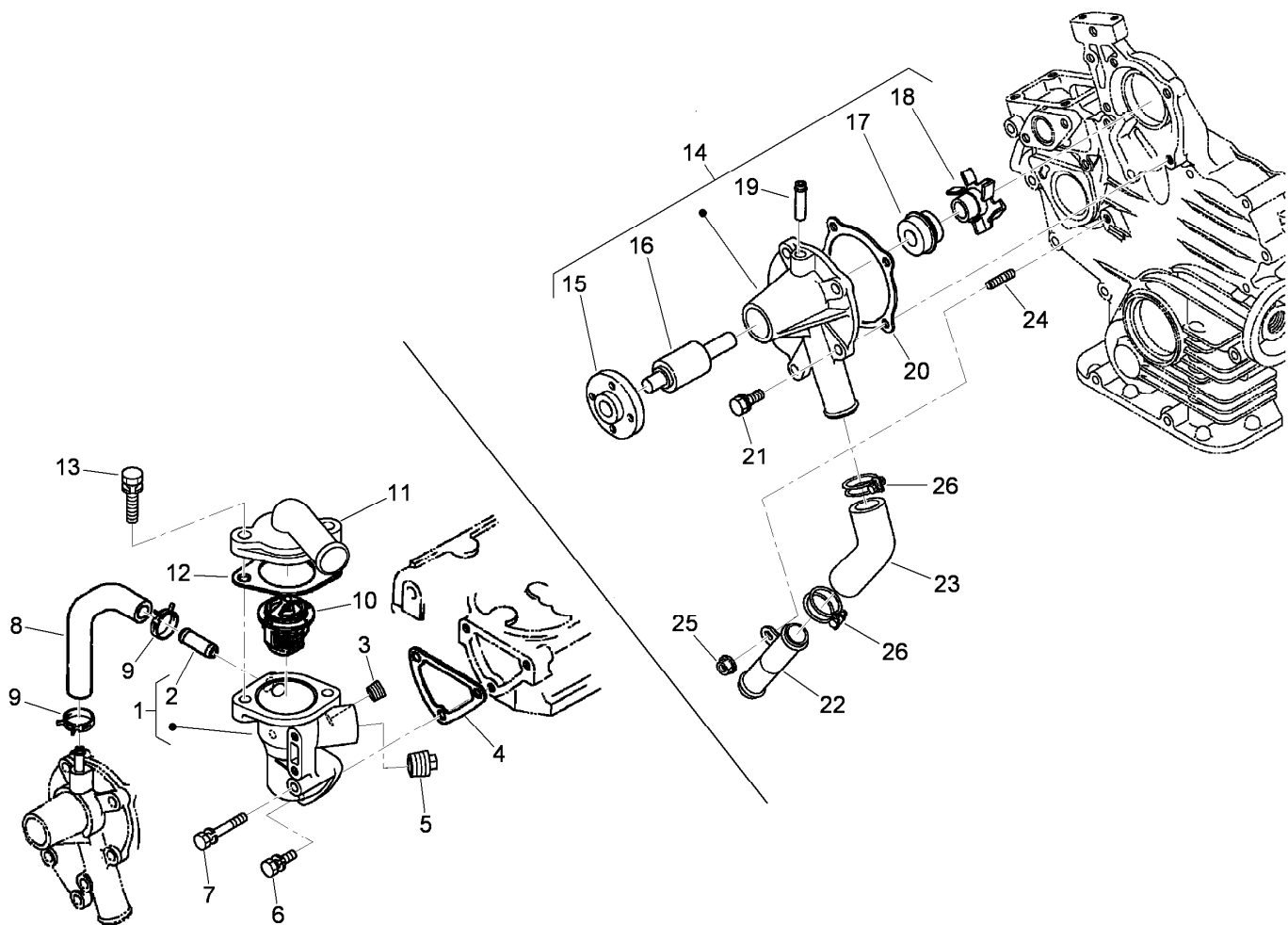
## Starter Assembly

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 1    | 110-3800    | 1    | Starter ASM   |
| 2    | 100-1770    | 2    | Bolt          |
| 3    | 98-7661     | 2    | Nut           |
| 4    | 98-7535     | 1    | Washer-Spring |
| 5    | 98-7534     | 1    | Nut           |



## Starter Components Assembly

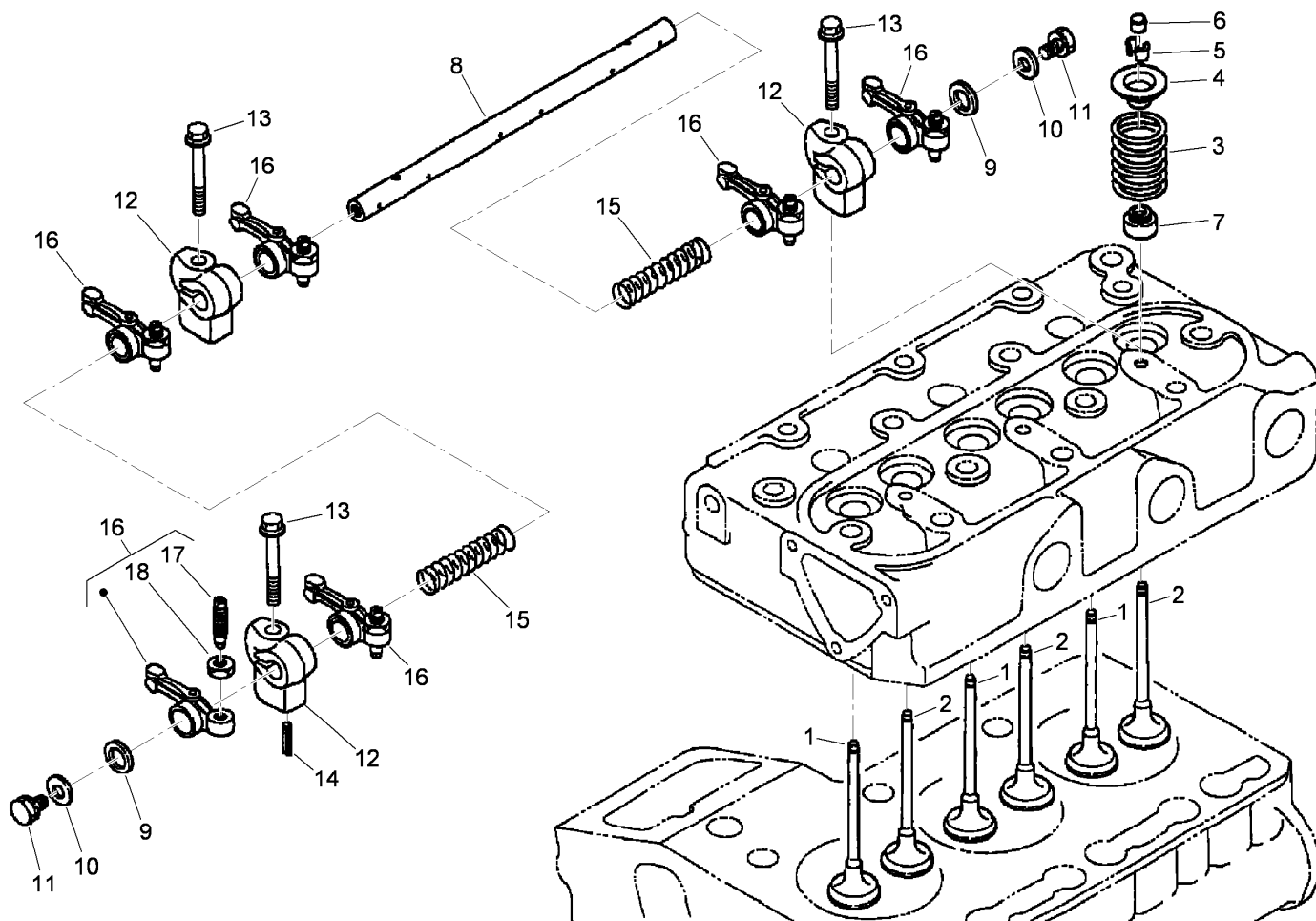
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-3800    | 1    | Starter ASM          |
| 2    | 110-3801    | 1    | Armature             |
| 3    | 110-3802    | 1    | Shaft ASM            |
| 4    | 110-3803    | 1    | Gear-Internal        |
| 5    | 110-3804    | 3    | Gear-Planetary       |
| 6    | 110-3805    | 1    | Clutch-Running, Over |
| 7    | 110-3806    | 1    | Stopper              |
| 8    | 110-3807    | 1    | Gasket               |
| 9    | 110-3808    | 1    | Ball                 |
| 10   | 110-3809    | 1    | Yoke                 |
| 11   | 110-3810    | 1    | Brush Holder ASM     |
| 12   | 110-3811    | 1    | Rear Bracket ASM     |
| 13   | 110-3812    | 1    | Bushing              |
| 14   | 110-3813    | 1    | Front Bracket ASM    |
| 15   | 110-3814    | 1    | Bushing              |
| 16   | 110-3815    | 2    | Bolt                 |
| 17   | 110-3816    | 1    | Fork Lever ASM       |
| 18   | 110-3817    | 1    | Magnetic Switch ASM  |
| 19   | 110-3818    | 1    | Screws (Set Of 4)    |



## Water Flange and Thermostat Assembly

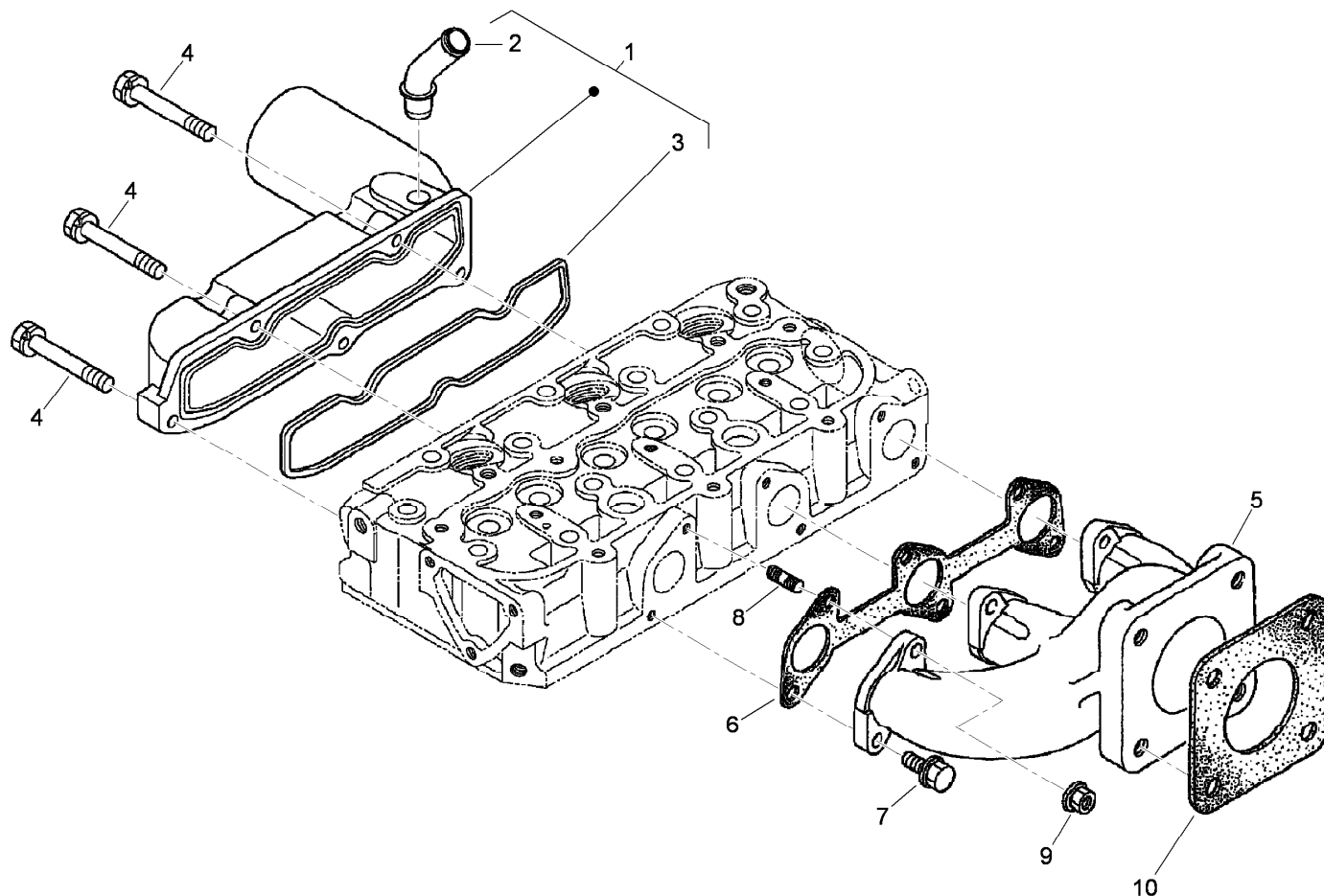
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 110-3819    | 1    | Flange-Water         |
| 2    | 98-9580     | 1    | Pipe-Return, Water   |
| 3    | 98-9444     | 1    | Plug                 |
| 4    | 110-3820    | 1    | Gasket-Flange, Water |
| 5    | 110-3821    | 1    | Plug                 |
| 6    | 98-7692     | 2    | Bolt                 |
| 7    | 105-3797    | 1    | Bolt                 |
| 8    | 110-3822    | 1    | Pipe-Return, Water   |
| 9    | 98-9579     | 2    | Band-Pipe            |
| 10   | 98-7778     | 1    | Thermostat ASM       |
| 11   | 110-3823    | 1    | Cover-Thermostat     |
| 12   | 105-3748    | 1    | Gasket-Thermostat    |
| 13   | 98-7777     | 2    | Bolt                 |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 14   | 110-3824    | 1    | Water Pump ASM       |
| 15   | 100-1933    | 1    | Flange-Pump, Water   |
| 16   | 100-1934    | 1    | Bearing-Ball         |
| 17   | 99-3518     | 1    | Water Pump Seal ASM  |
| 18   | 110-3825    | 1    | Impeller-Pump, Water |
| 19   | 100-1932    | 1    | Pipe-Return, Water   |
| 20   | 117-0330    | 1    | Gasket-Pump, Water   |
| 21   | 100-1750    | 4    | Bolt                 |
| 22   | 100-1918    | 1    | Pipe-Water           |
| 23   | 110-3827    | 1    | Pipe-Water           |
| 24   | 100-1924    | 1    | Stud                 |
| 25   | 100-2203    | 1    | Nut-Flange           |
| 26   | 110-3828    | 2    | Band-Pipe            |



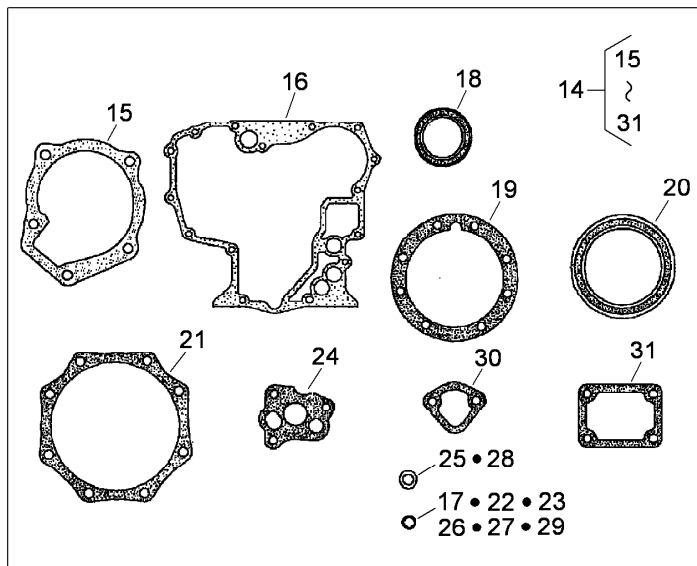
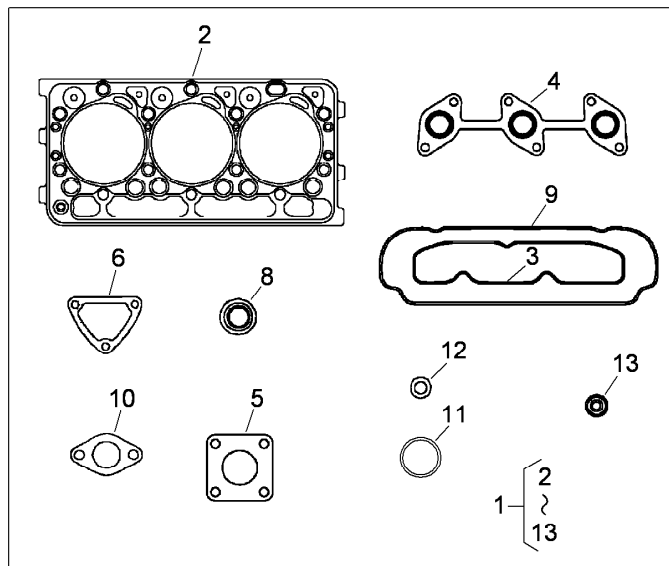
## Valve and Rocker Arm Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 112-2514    | 3    | Valve-Inlet            |
| 2    | 112-2515    | 3    | Valve-Exhaust          |
| 3    | 100-1823    | 6    | Spring-Valve           |
| 4    | 100-1825    | 6    | Retainer-Spring, Valve |
| 5    | 100-1826    | 6    | Collet-Spring, Valve   |
| 6    | 100-2155    | 6    | Cap-Valve              |
| 7    | 100-1797    | 6    | Seal-Stem, Valve       |
| 8    | 112-8341    | 1    | Shaft-Arm, Rocker      |
| 9    | 100-2044    | 2    | Washer                 |
| 10   | 110-3832    | 2    | Washer-Plain           |
| 11   | 100-1762    | 2    | Bolt                   |
| 12   | 110-3833    | 3    | Bracket-Arm, Rocker    |
| 13   | 110-3834    | 3    | Bolt-Flange            |
| 14   | 98-7602     | 1    | Pin-Spring             |
| 15   | 112-8342    | 2    | Spring                 |
| 16   | 100-1884    | 6    | Rocker Arm ASM         |
| 17   | 100-1885    | 6    | Screw-Adjusting        |
| 18   | 100-1827    | 6    | Nut                    |



## Inlet and Exhaust Manifold Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 110-3836    | 1    | Inlet Manifold ASM       |
| 2    | 110-3837    | 1    | Pipe-Breather            |
| 3    | 110-3838    | 1    | Gasket-Manifold, Intake  |
| 4    | 98-9352     | 5    | Bolt                     |
| 5    | 110-3839    | 1    | Manifold-Exhaust         |
| 6    | 110-3840    | 1    | Gasket-Manifold, Exhaust |
| 7    | 100-1775    | 3    | Bolt                     |
| 8    | 100-2202    | 3    | Stud                     |
| 9    | 100-1778    | 3    | Nut                      |
| 10   | 99-8343     | 1    | Gasket-Muffler           |



## Upper and Lower Gasket Kits

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 112-2518    | 1    | Upper Gasket Kit         |
| 2    | 112-2520    | 1    | Gasket-Head, Cylinder    |
| 3    | 110-3838    | 1    | Gasket-Manifold, Intake  |
| 4    | 110-3840    | 1    | Gasket-Manifold, Exhaust |
| 5    | 99-8343     | 1    | Gasket-Muffler           |
| 6    | 110-3820    | 1    | Gasket-Flange, Water     |
| 8    | 100-1797    | 6    | Seal-Stem, Valve         |
| 9    | 112-2521    | 1    | Gasket-Cover, Head       |
| 10   | 105-3748    | 1    | Gasket-Thermostat        |
| 11   | 99-3446     | 1    | O-Ring                   |
| 12   | 98-7676     | 3    | Gasket                   |
| 13   | 98-7677     | 3    | Seal-Heat                |
| 14   | 117-0331    | 1    | Lower Gasket Kit         |
| 15   | 117-0330    | 1    | Gasket-Pump, Water       |
| 16   | 117-0327    | 1    | Gasket-Case, Gear        |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 17   | 110-3762    | 1    | O-Ring                |
| 18   | 100-1971    | 1    | Seal-Oil              |
| 19   | 100-1873    | 1    | Gasket-Case, Bearing  |
| 20   | 110-3724    | 1    | Seal-Oil              |
| 21   | 100-1876    | 1    | Gasket-Case, Bearing  |
| 22   | 100-2206    | 3    | O-Ring                |
| 23   | 100-2209    | 1    | O-Ring                |
| 24   | 100-2003    | 3    | Gasket-Pump, Oil      |
| 25   | 98-7654     | 3    | Gasket                |
| 26   | 100-2208    | 1    | O-Ring                |
| 27   | 100-2207    | 1    | O-Ring                |
| 28   | 110-9715    | 3    | Gasket-Pan, Oil       |
| 29   | 105-3776    | 1    | O-Ring                |
| 30   | 98-9636     | 1    | Gasket-Pump, Fuel     |
| 31   | 100-1962    | 1    | Gasket-Plate, Control |

# Attachments and Accessories

## For 74279TE Z580-D Z Master With 52 Rear Discharge Mower

| Product Name                           | Model/Part  |
|----------------------------------------|-------------|
| Blade-Recycler, 18 inch .....          | 105-7779-03 |
| Blade-Hi Flow, 18 Inch .....           | 105-7781-03 |
| Blade-Med Flow, 18 inch .....          | 105-7794-03 |
| Blade-Low Flow, 18 inch .....          | 105-7795-03 |
| Blade-Atomic, 18 inch .....            | 105-7796-03 |
| Light Kit .....                        | 107-9880    |
| Blade-Hi Flow, 18 inch (6 Pack) .....  | 108-1117    |
| Blade-Atomic, 18 inch (6 Pack) .....   | 108-1118    |
| Blade-Lo Flow, 18 inch (6 Pack) .....  | 110-0406    |
| Blade-Recycler, 18 inch (6 Pack) ..... | 110-0408    |
| Blade-Med Flow, 18 inch (6 Pack) ..... | 110-0409    |
| Hypr-Oil 500 (quart) .....             | 114-4713    |
| Hypr-Oil 500 (gallon) .....            | 114-4714    |
| Hypr-Oil 500-5 (5 gallon) .....        | 114-4715    |
| Bimini Folding Shade Assembly .....    | 115-4510    |
| Filter Minder Gauge .....              | 99-4664     |
| Hitch Kit .....                        | 99-8925     |

**Notes:**



**Count on it.**