



## Reelmaster<sup>®</sup> 3100-D With Sidewinder<sup>®</sup>

Model No. 03201 - 200000701 and up.

## Parts Catalog

### 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 illustrations and in part 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.

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# Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

|             |                                |             |                                  |
|-------------|--------------------------------|-------------|----------------------------------|
| AR. ....    | as required                    | HYD. ....   | hydraulic                        |
| ASM. ....   | assembly                       | LH. ....    | left hand                        |
| BBC. ....   | blade brake clutch             | NI. ....    | nylon insert                     |
| CARR. ....  | carriage                       | NPTF. ....  | national pipe thread fine        |
| DEG. ....   | degrees                        | PFH. ....   | phillips flat head               |
| EXT. ....   | external                       | PPH. ....   | phillips pan head                |
| FH. ....    | flat head                      | PPHTF. .... | phillips pan head thread forming |
| GA. ....    | gauge                          | PRH. ....   | phillips round head              |
| HD. ....    | heavy-duty                     | PTH. ....   | phillips truss head              |
| HF. ....    | hex flange                     | PTO. ....   | power-take-off                   |
| HH. ....    | hex head                       | RH. ....    | right hand                       |
| HHF. ....   | hex head flange                | ROPS. ....  | roll-over protection system      |
| HHFTF. .... | hex head flange thread forming | SFH. ....   | slotted fillister head           |
| HJ. ....    | hex jam                        | SHH. ....   | slotted hex head                 |
| HLH. ....   | hex lag head                   | SHWH. ....  | slotted hex washer head          |
| HOC. ....   | height-of-cut                  | SPH. ....   | slotted pan head                 |
| HSBH. ....  | hex socket button head         | SQH. ....   | square head                      |
| HSFH. ....  | hex socket flat head           | SRH. ....   | slotted round head               |
| HSH. ....   | hex socket head                | STD. ....   | standard                         |
| HWH. ....   | hex washer head                | TAP. ....   | self tapping                     |
| HWHTF. .... | hex washer head thread forming | TTH. ....   | torx truss head                  |

## Footnotes

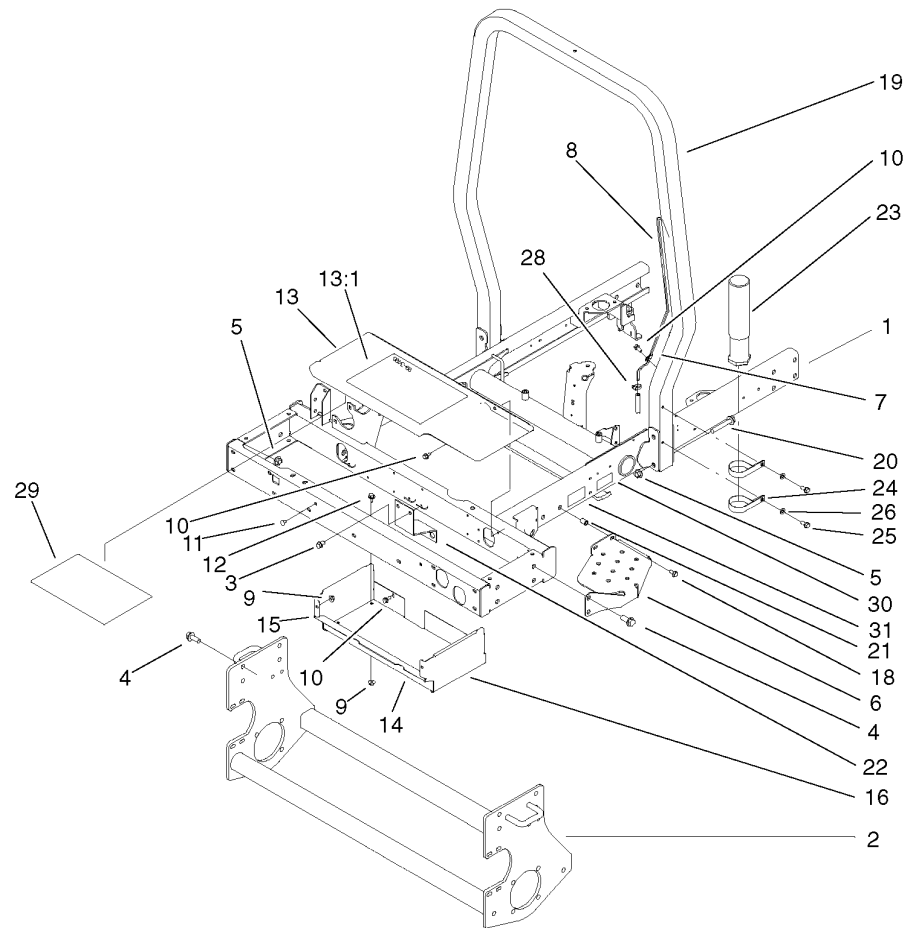
- ❶

Not serviced separately
- ❷

\* Not Illustrated
- ❸

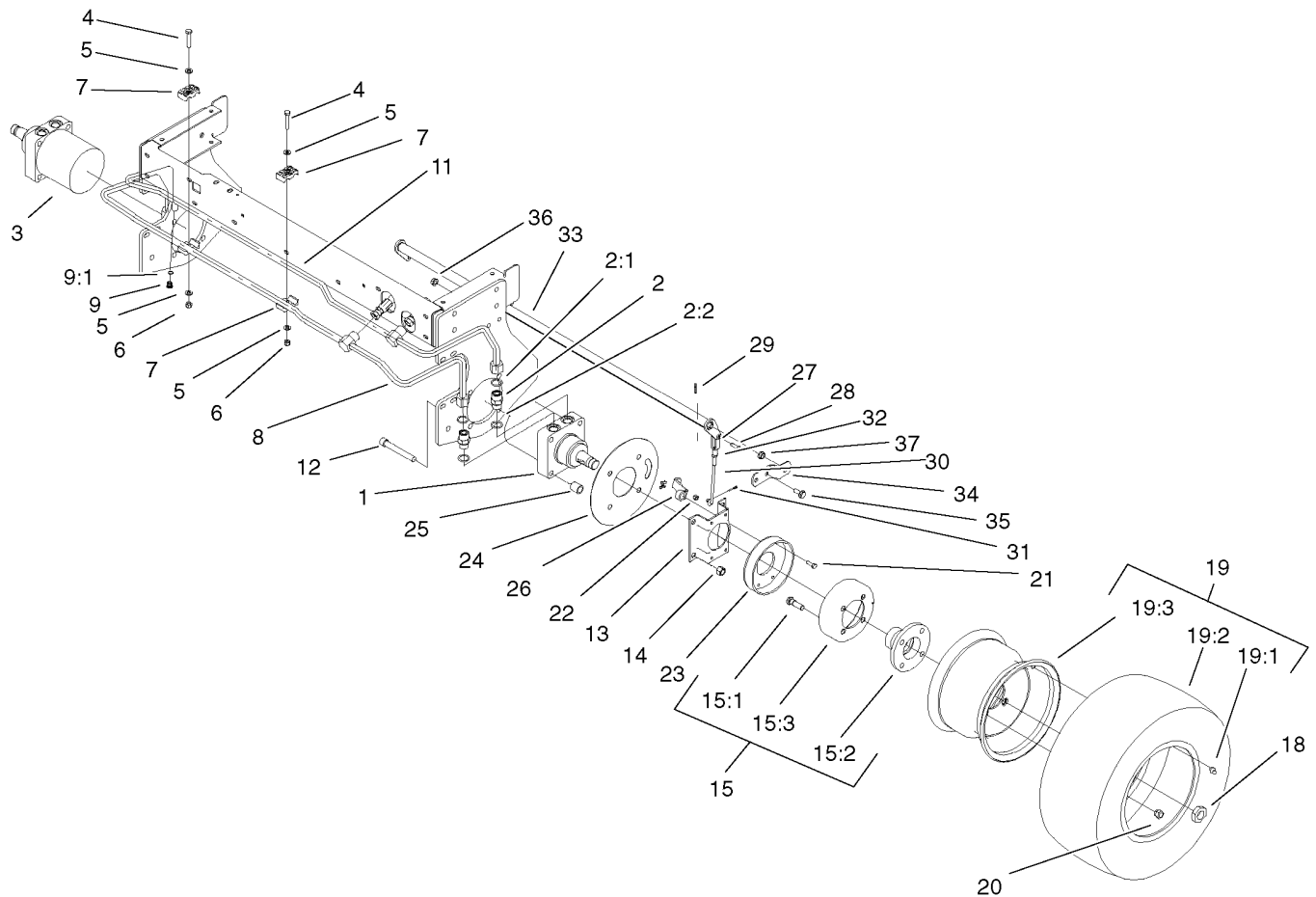
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\* Not Illustrated.



## Frame Assembly

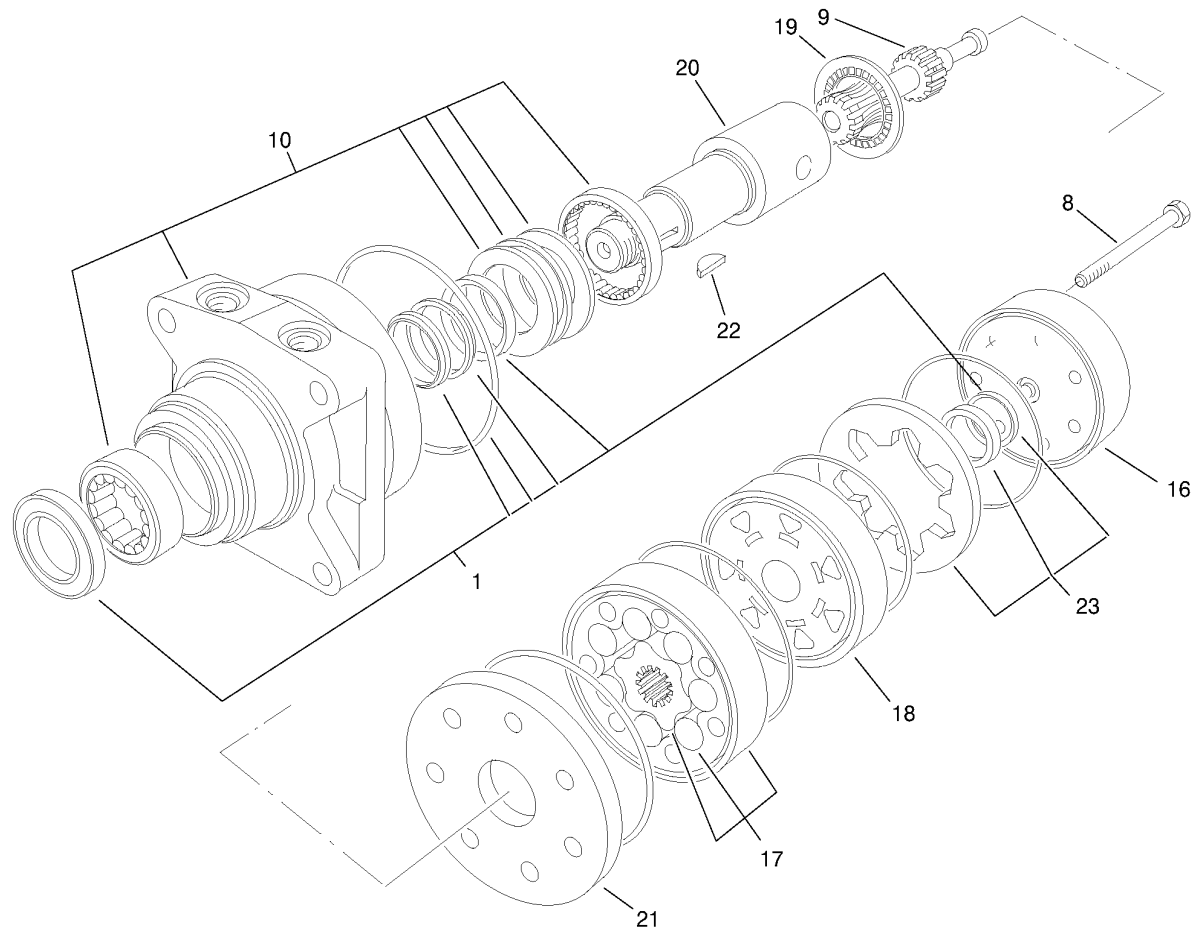
| Ref  | Part No.   | Qty. | Description               | Ref  | Part No. | Qty. | Description                |
|------|------------|------|---------------------------|------|----------|------|----------------------------|
| 1    | 95-8590-03 | 1    | Frame                     | 25   | 32144-70 | 2    | Screw-HH                   |
| 2    | 95-8568-03 | 1    | Frame-Lower               | 26   | 3256-23  | 2    | Washer-Flat                |
| 3    | 32144-15   | 2    | Screw                     | 28   | 2412-108 | 1    | Clamp-Worm                 |
| 4    | 3234-38    | 8    | Screw-Hfh                 | 29   | 99-3494  | 1    | Decal-Instructions,Service |
| 5    | 32128-49   | 12   | Nut-HHF                   | 30   | 63-9920  | 1    | Decal-Level, Noise         |
| 6    | 99-3375-03 | 1    | Step                      | 31   | 85-6910  | 1    | Decal-Rating, Noise        |
| 7    | 2412-72    | 3    | Clip-Closed, Insulated    | ②*99 | 99-3503  | 1    | Indicator-Angle            |
| 8    | 95-8615    | 1    | Tube-Breather             |      |          |      |                            |
| 9    | 32128-33   | 6    | Nut-HF                    |      |          |      |                            |
| 10   | 32144-10   | 13   | Screw-HWH                 |      |          |      |                            |
| 11   | 3229-10    | 2    | Screw-CARR                |      |          |      |                            |
| 12   | 3234-13    | 4    | Screw-HHF                 |      |          |      |                            |
| 13   | 99-3504    | 1    | Toolbox Cover ASM         |      |          |      |                            |
| 13:1 | 99-3496    | 1    | Decal                     |      |          |      |                            |
| 14   | 99-3430-03 | 1    | Bottom-Toolbox            |      |          |      |                            |
| 15   | 99-3431-03 | 1    | End-Toolbox, RH           |      |          |      |                            |
| 16   | 99-3432-03 | 1    | End-Toolbox, LH           |      |          |      |                            |
| 18   | 3234-5     | 2    | Screw-HHF                 |      |          |      |                            |
| 19   | 99-3350-03 | 1    | Tube-ROPS                 |      |          |      |                            |
| 20   | 3234-40    | 4    | Screw-Hfh                 |      |          |      |                            |
| 21   | 32148-8    | 2    | Insert-Threaded           |      |          |      |                            |
| 22   | 95-8598-03 | 1    | Bracket-Bulkhead, Scissor |      |          |      |                            |
| 23   | 74-0720    | 1    | Tube-Manual               |      |          |      |                            |
| 24   | 2412-133   | 2    | R-Clamp                   |      |          |      |                            |



## Front Wheel And Brake Assembly

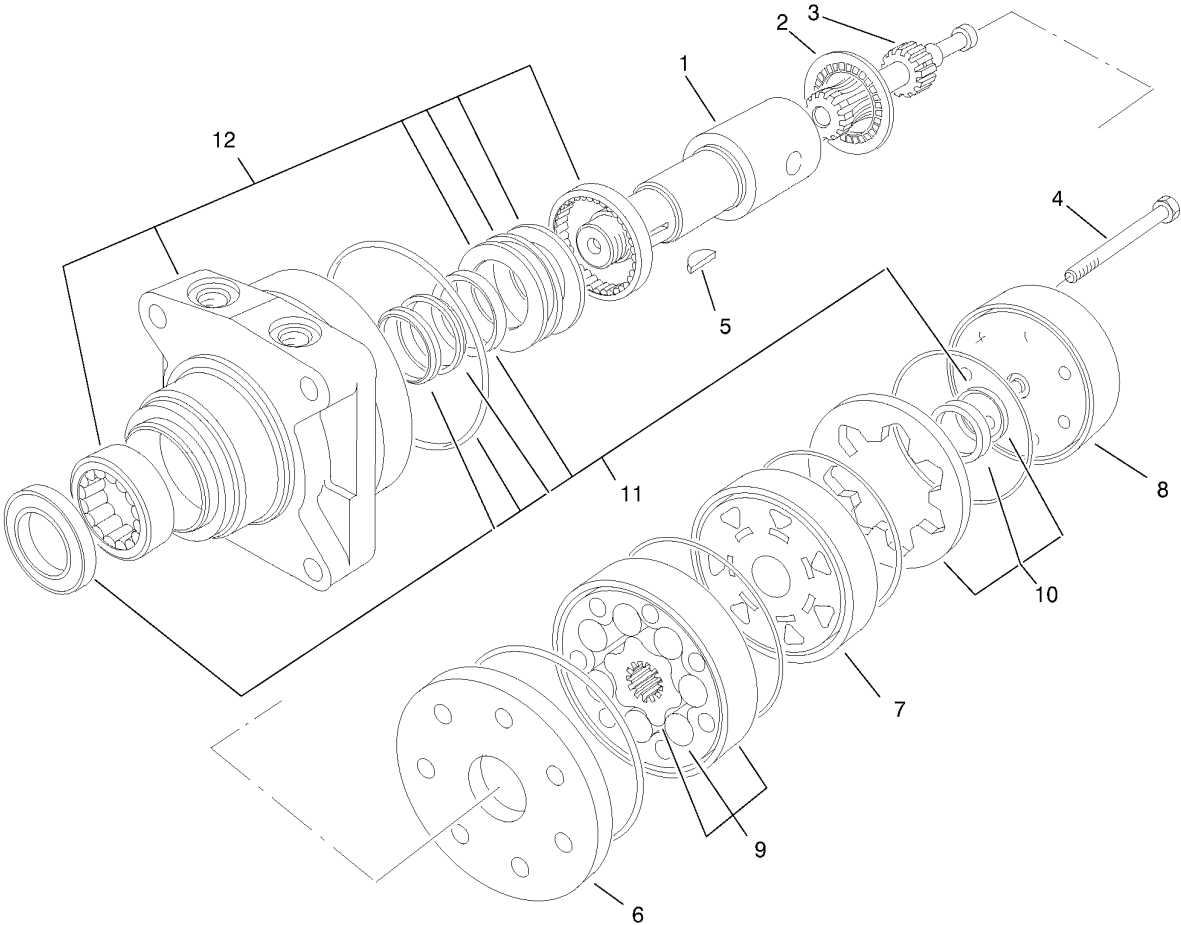
| Ref  | Part No.   | Qty. | Description      |
|------|------------|------|------------------|
| 1    | 75-9990    | 1    | Motor-Hydraulic  |
| 2    | 340-7      | 4    | Adapter          |
| 2:1  | 237-65     | 1    | O-Ring           |
| 2:2  | 237-80     | 1    | O-Ring           |
| 3    | 95-8693    | 1    | Motor-Hydraulic  |
| 4    | 322-9      | 2    | Screw-HH         |
| 5    | 3256-23    | 4    | Washer-Flat      |
| 6    | 3296-29    | 2    | Nut-Lock, NI     |
| 7    | 56-7971    | 4    | Clamp-Tube       |
| 8    | 95-8783    | 1    | Tube ASM         |
| 9    | 353-990    | 1    | Plug             |
| 9:1  | 237-78     | 1    | O-Ring           |
| 11   | 95-8784    | 1    | Tube ASM         |
| 12   | 3274-99    | 8    | Screw-HSH        |
| 13   | 84-2000-03 | 2    | Bracket-Brake    |
| 14   | 3296-23    | 8    | Nut-Lock, NI     |
| 15   |            | 2    | Wheel Hub ASM    |
| 15:1 | 85-6540    | 4    | Stud-Drive       |
| 15:2 | 93-6838-03 | 1    | Hub-Wheel        |
| 15:3 | 10-6850    | 1    | Drum-Brake       |
| 18   | 26-3790    | 2    | Nut-Lock         |
| 19   |            | 2    | Tire & Wheel ASM |
| 19:1 | 232-27     | 1    | Stem-Valve       |
| 19:2 | 95-8656    | 1    | Tire             |

| Ref  | Part No.   | Qty. | Description          |
|------|------------|------|----------------------|
| 19:3 | 99-3474    | 1    | Rim-Wheel            |
| 20   | 242-50     | 8    | Nut-Lug              |
| 21   | 321-5      | 8    | Screw-HH             |
| 22   | 3296-42    | 8    | Nut-Lock             |
| 23   | 71-1500    | 2    | Brake ASM            |
| 24   | 95-8818-03 | 2    | Shield-Wheel         |
| 25   | 92-1715    | 8    | Spacer               |
| 26   | 93-6850    | 2    | Lever-Brake          |
| 27   | 282-2      | 2    | Yoke                 |
| 28   | 283-1      | 2    | Pin-Yoke             |
| 29   | 3272-10    | 2    | Pin-Cotter           |
| 30   | 95-5824    | 2    | Rod-Adjustment       |
| 31   | 3272-6     | 2    | Pin-Cotter           |
| 32   | 3220-2     | 2    | Nut-Jam              |
| 33   | 95-8685-03 | 1    | Shaft-Pivot, Brake   |
| 34   | 95-8683    | 2    | Bracket-Pivot, Brake |
| 35   | 3234-11    | 4    | Screw-HHF            |
| 36   | 32128-43   | 4    | Nut-Flange           |
| 37   | 256-156    | 2    | Bushing-Flange       |



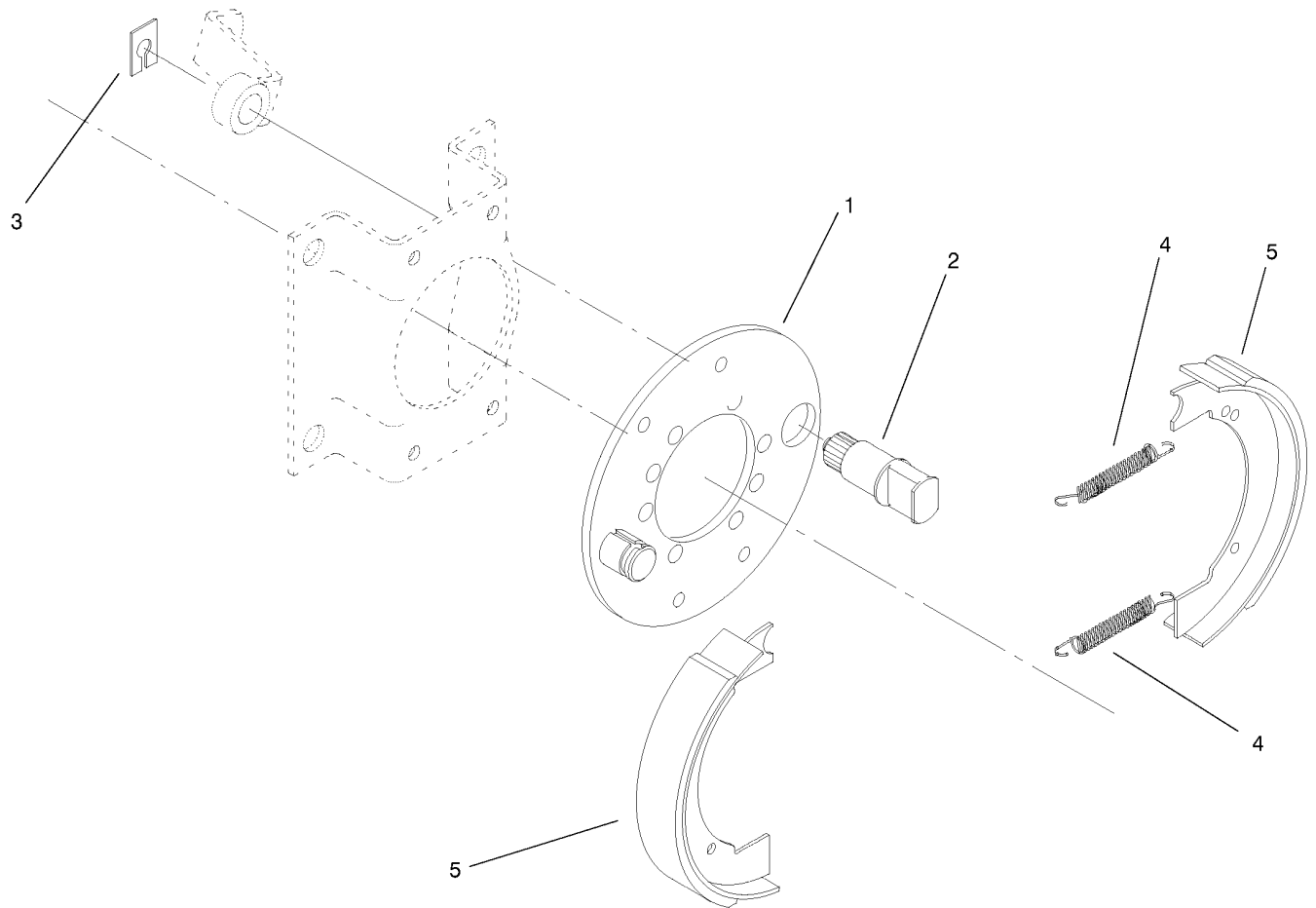
Hydraulic Motor Assembly No. 75-9990

| Ref | Part No. | Qty. | Description            |  |  |  |  |
|-----|----------|------|------------------------|--|--|--|--|
| 1   | 76-0800  | 1    | Kit-Seal               |  |  |  |  |
| 8   | 76-1010  | 7    | Screw                  |  |  |  |  |
| 9   | 76-0960  | 1    | Link-Drive             |  |  |  |  |
| 10  | 76-0810  | 1    | Wheel Motor Housingasm |  |  |  |  |
| 16  | 76-0940  | 1    | End Cover ASM          |  |  |  |  |
| 17  | 76-0970  | 1    | Set-Rotor              |  |  |  |  |
| 18  | 76-0840  | 1    | Manifold               |  |  |  |  |
| 19  | 76-0850  | 1    | Bearing-Thrust         |  |  |  |  |
| 20  | 76-0860  | 1    | Shaft-Coupling         |  |  |  |  |
| 21  | 76-0870  | 1    | Plate-Wear             |  |  |  |  |
| 22  | 3257-42  | 1    | Key-Woodruff           |  |  |  |  |
| 23  | 76-0880  | 1    | Commutator ASM         |  |  |  |  |



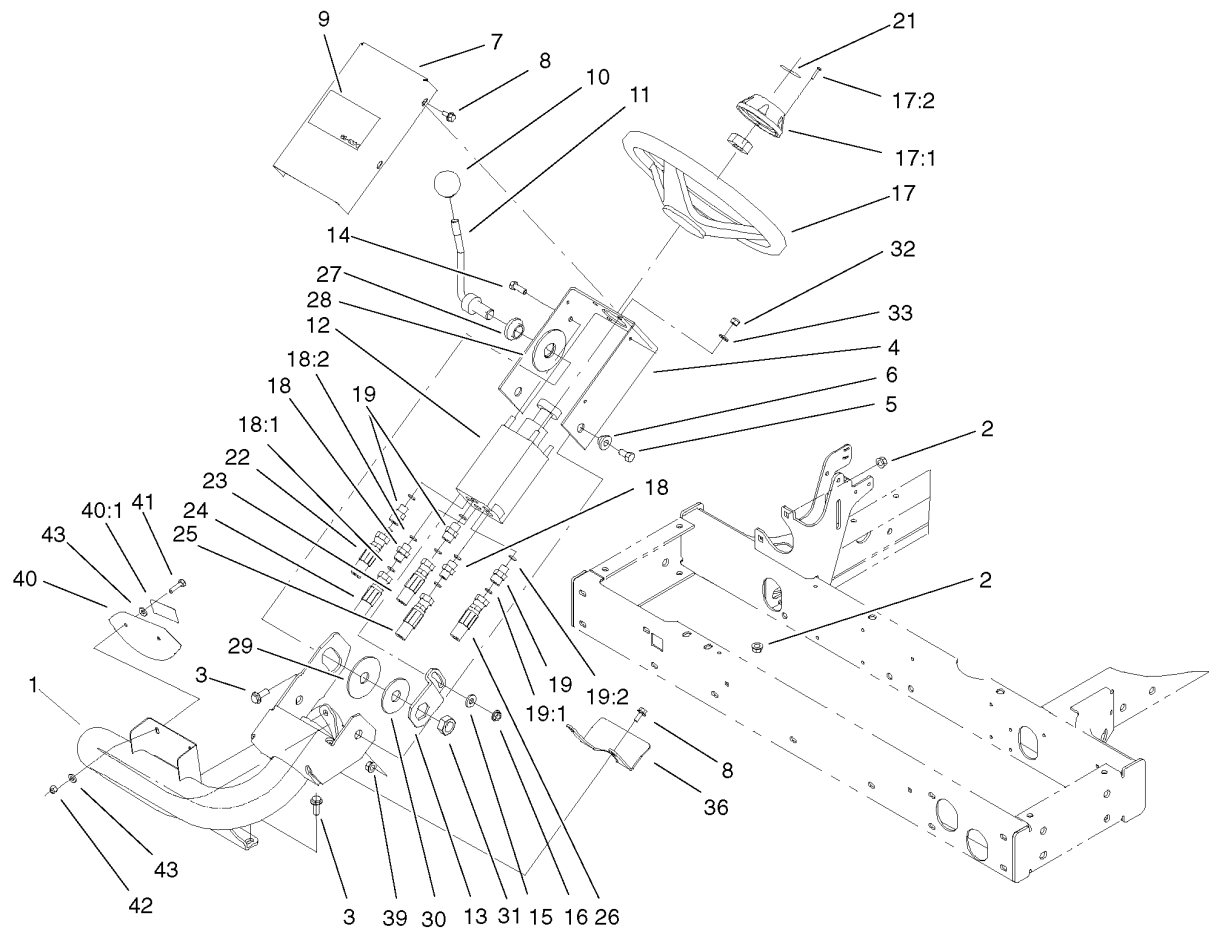
Hydraulic Motor Assembly No. 95-8693

| Ref | Part No. | Qty. | Description            |  |  |  |  |
|-----|----------|------|------------------------|--|--|--|--|
| 1   | 76-0860  | 1    | Shaft-Coupling         |  |  |  |  |
| 2   | 76-0850  | 1    | Bearing-Thrust         |  |  |  |  |
| 3   | 76-0960  | 1    | Link-Drive             |  |  |  |  |
| 4   | 76-1010  | 7    | Screw                  |  |  |  |  |
| 5   | 3257-42  | 1    | Key-Woodruff           |  |  |  |  |
| 6   | 76-0870  | 1    | Plate-Wear             |  |  |  |  |
| 7   | 99-3535  | 1    | Manifold               |  |  |  |  |
| 8   | 76-0940  | 1    | End Cover ASM          |  |  |  |  |
| 9   | 76-0970  | 1    | Set-Rotor              |  |  |  |  |
| 10  | 76-0880  | 1    | Commutator ASM         |  |  |  |  |
| 11  | 76-0800  | 1    | Kit-Seal               |  |  |  |  |
| 12  | 76-0810  | 1    | Wheel Motor Housingasm |  |  |  |  |



# Brake Assembly No. 71-1500

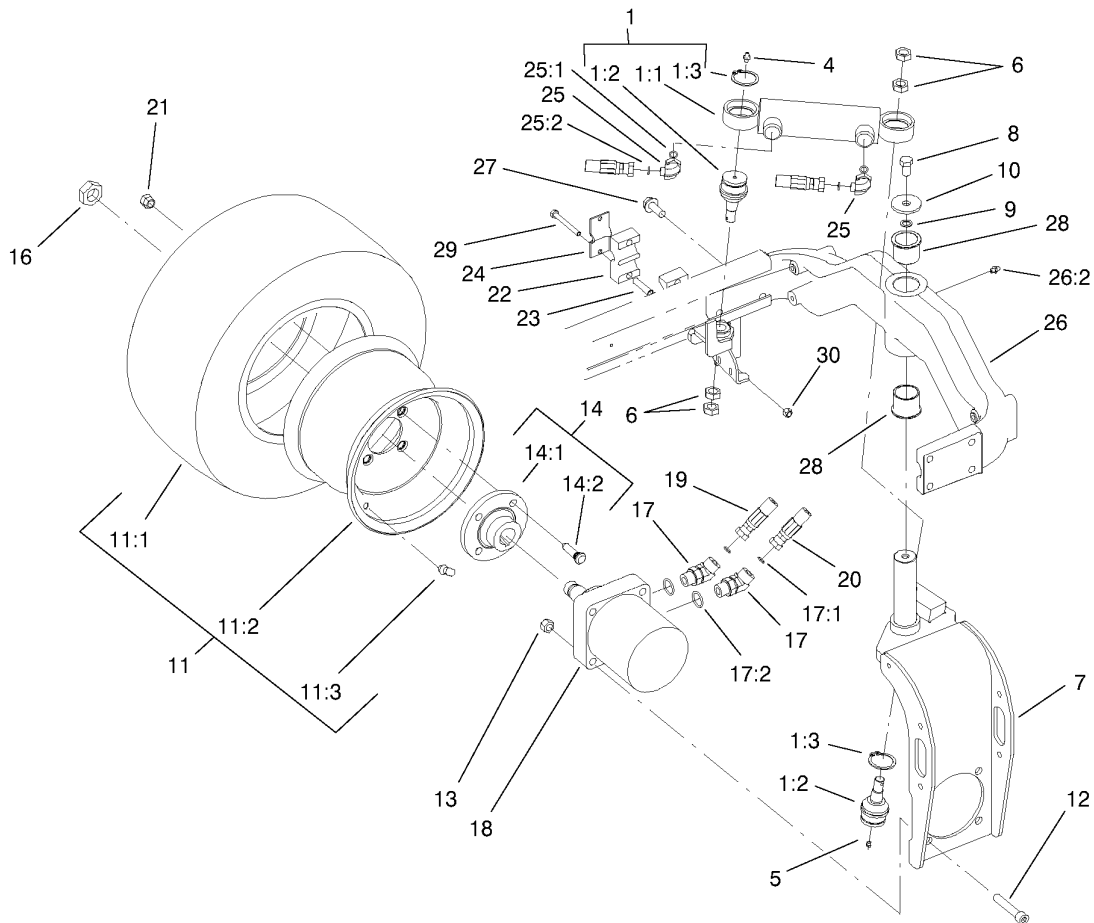
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## Steering Column Assembly

| Ref  | Part No.    | Qty. | Description             | Ref  | Part No.   | Qty. | Description         |
|------|-------------|------|-------------------------|------|------------|------|---------------------|
| 1    | 100-4896-01 | 1    | Arm-Steering            | 19:2 | 237-42     | 1    | O-Ring              |
| 2    | 32128-43    | 4    | Nut-Flange              | 21   | 68-5370    | 1    | Decal-Toro          |
| 3    | 3234-11     | 4    | Screw-HHF               | 22   | 95-8842    | 1    | Hose ASM            |
| 4    | 95-8793-01  | 1    | Bracket-Valve, Steering | 23   | 95-8843    | 1    | Hose ASM            |
| 5    | 323-5       | 2    | Screw-HH                | 24   | 95-8844    | 1    | Hose ASM            |
| 6    | 93-5988     | 2    | Hub-Pivot               | 25   | 95-8845    | 1    | Hose ASM            |
| 7    | 95-8794-01  | 1    | Cover-Valve, Steering   | 26   | 95-8846    | 1    | Hose ASM            |
| 8    | 32144-10    | 5    | Screw-HWH               | 27   | 99-3502    | 1    | Boss                |
| 9    | 67-1300     | 1    | Decal-Toro              | 28   | 31-0390    | 1    | Disc-Friction       |
| 10   | 233-48      | 1    | Knob                    | 29   | 82-9010    | 1    | Disc-Friction       |
| 11   | 95-8798-03  | 1    | Lever-Steering          | 30   | 80-2930    | 1    | Washer-Flat         |
| 12   | 100-4909    | 1    | Control-Steering        | 31   | 3218-7     | 1    | Nut-Jam             |
| 13   | 80-2880     | 1    | Bracket-Tilt            | 32   | 3296-4     | 4    | Nut-Lock, NI        |
| 14   | 322-5       | 1    | Screw-HH                | 33   | 3256-23    | 4    | Washer-Flat         |
| 15   | 3256-3      | 1    | Washer-Flat             | 36   | 99-3405-01 | 1    | Shield-Steering     |
| 16   | 32128-44    | 1    | Nut                     | 39   | 32128-21   | 2    | Nut-HF              |
| 17   | 68-5130     | 1    | Wheel-Steering          | 40   | 100-4929   | 1    | Slope Indicator ASM |
| 17:1 | 68-5140     | 1    | Cap-Wheel, Steering     | 40:1 | 100-4837   | 1    | Decal-Danger        |
| 17:2 | 32144-21    | 1    | Screw                   | 40:1 | 100-4933   | 1    | Decal-Danger, Ce    |
| 18   | 340-1       | 2    | Adapter                 | 41   | 321-6      | 2    | Screw-HH            |
| 18:1 | 237-35      | 1    | O-Ring                  | 42   | 3296-42    | 2    | Nut-Lock            |
| 18:2 | 237-42      | 1    | O-Ring                  | 43   | 3256-22    | 4    | Washer-Flat         |
| 19   | 340-2       | 3    | Adapter                 | ②*99 | 3290-378   | 2    | Tie-Cable           |
| 19:1 | 237-22      | 1    | O-Ring                  |      |            |      |                     |

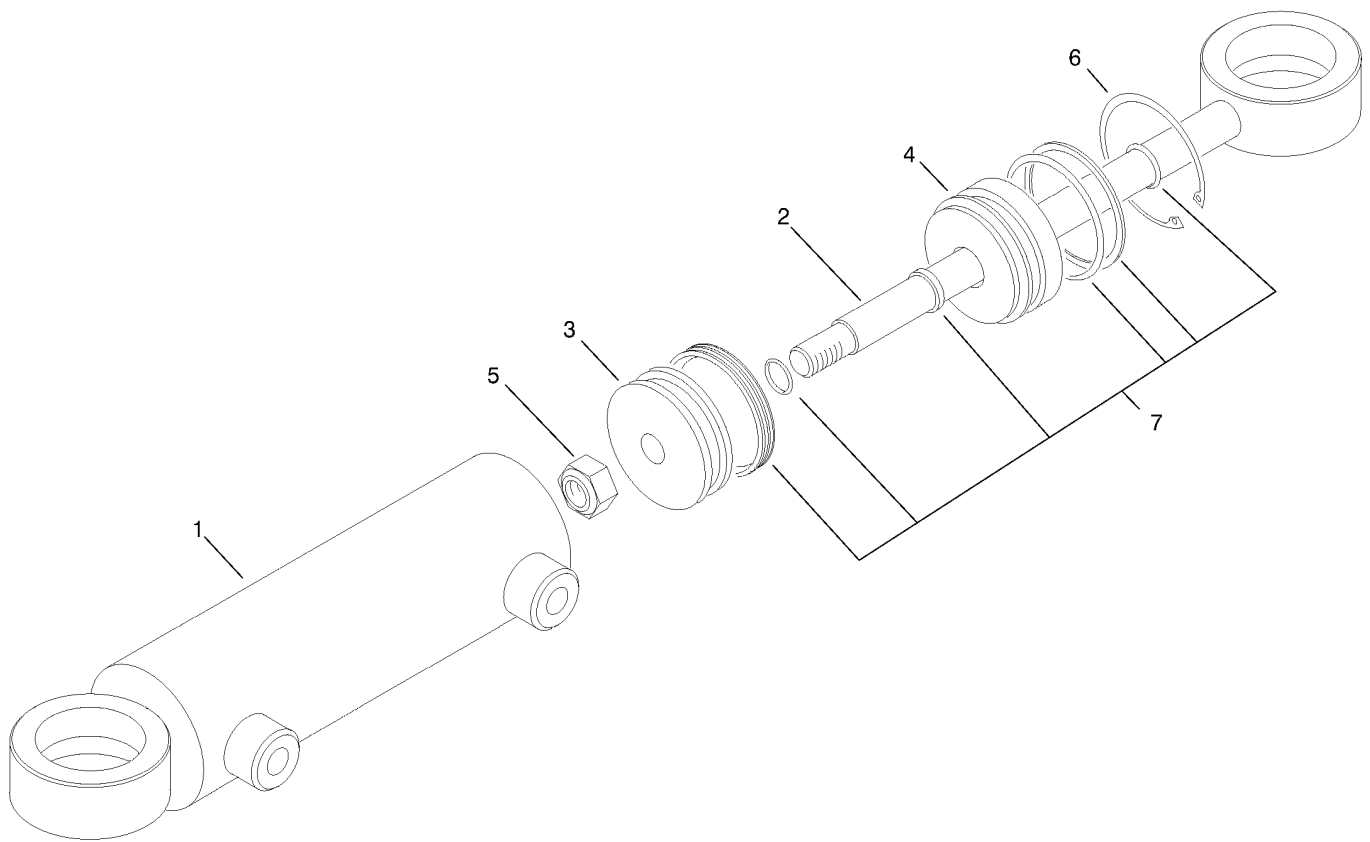




## Rear Fork And Tire Assembly

| Ref  | Part No.   | Qty. | Description            |
|------|------------|------|------------------------|
| 1    |            | 1    | Strg. Cly./Balljnt.ASM |
| 1:1  | 94-8141    | 1    | Hydraulic Cylinderasm  |
| 1:2  | 92-5838    | 2    | Joint-Ball             |
| 1:3  | 32151-104  | 2    | Ring-Retaining, EXT    |
| 4    | 302-5      | 1    | Fitting-Lube           |
| 5    | 302-59     | 1    | Plug-Threaded          |
| 6    | 3220-6     | 4    | Nut-Jam                |
| 7    | 95-8905-01 | 1    | Fork-Rear              |
| 8    | 325-3      | 1    | Screw-HH               |
| 9    | 3255-2     | 1    | Washer-Lock/EXT        |
| 10   | 75-7730    | 1    | Washer-Thrust          |
| 11   |            | 1    | Tire & Wheel ASM       |
| 11:1 | 95-8656    | 1    | Tire                   |
| 11:2 | 95-8657    | 1    | Rim-Wheel              |
| 11:3 | 232-27     | 1    | Stem-Valve             |
| 12   | 3274-93    | 4    | Screw-HSH              |
| 13   | 3296-23    | 4    | Nut-Lock, NI           |
| 14   |            | 1    | Wheel Hub / Studasm    |
| 14:1 | 10-6870-03 | 1    | Hub-Wheel              |
| 14:2 | 10-6830    | 4    | Stud-Type, Drive       |
| 16   | 26-3790    | 1    | Nut-Lock               |
| 17   | 340-14     | 2    | Fitting-HYD., 45Ø      |
| 17:1 | 237-65     | 1    | O-Ring                 |
| 17:2 | 237-80     | 1    | O-Ring                 |

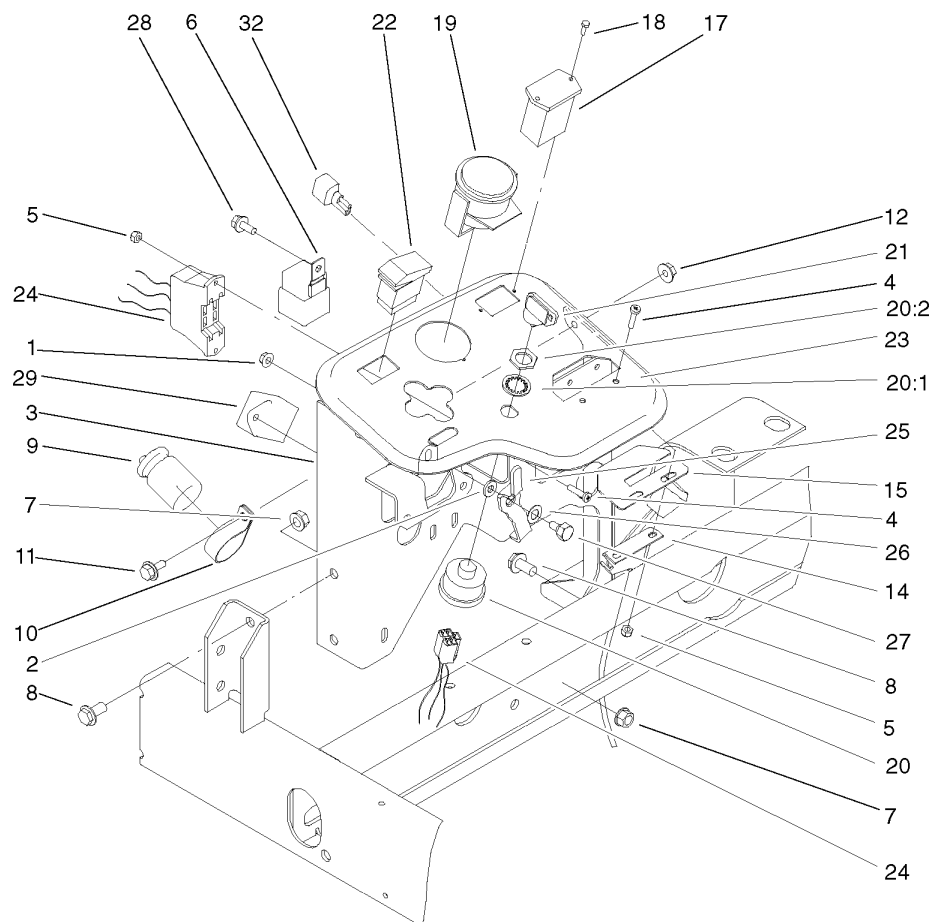
| Ref  | Part No.   | Qty. | Description       |
|------|------------|------|-------------------|
| 18   | 95-8694    | 1    | Motor-Hydraulic   |
| 19   | 95-8832    | 1    | Hose ASM          |
| 20   | 95-8833    | 1    | Hose ASM          |
| 21   | 242-50     | 4    | Nut-Lug           |
| 22   | 82-8170    | 2    | Clamp             |
| 23   | 93-7960    | 2    | Spacer            |
| 24   | 93-7961    | 1    | Clamp-Drain, Case |
| 25   | 340-132    | 2    | Elbow-90Ø         |
| 25:1 | 237-78     | 1    | O-Ring            |
| 25:2 | 237-21     | 1    | O-Ring            |
| 26   | 18-3979-03 | 1    | Rear Casting ASM  |
| 26:2 | 302-5      | 1    | Fitting-Lube      |
| 27   | 3234-38    | 8    | Screw-Hfh         |
| 28   | 95-8805    | 2    | Bushing           |
| 29   | 322-13     | 2    | Screw-HH          |
| 30   | 3296-29    | 2    | Nut-Lock, NI      |
| *99  | 3290-378   | 6    | Tie-Cable         |



## Hydraulic Cylinder Assembly No. 94-8141

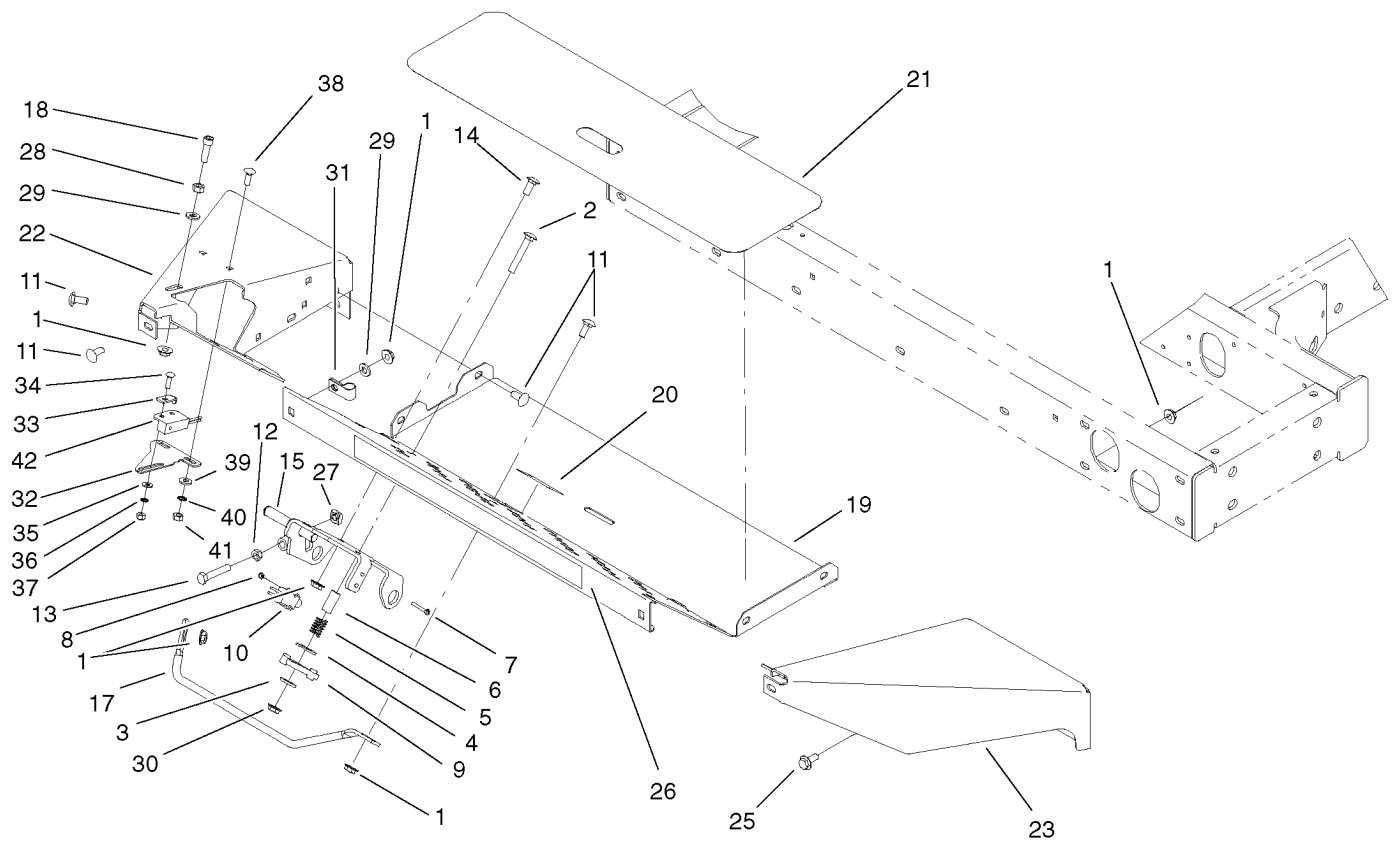
| Ref | Part No. | Qty. | Description                 |  |  |  |  |
|-----|----------|------|-----------------------------|--|--|--|--|
| 1   | 94-9955  | 1    | Barrel ASM                  |  |  |  |  |
| 2   | 94-9956  | 1    | Piston Rod ASM              |  |  |  |  |
| 3   | 94-9957  | 1    | Piston                      |  |  |  |  |
| 4   | 94-9958  | 1    | Gland-Cylinder              |  |  |  |  |
| 5   | 32152-10 | 1    | Locknut-Deform, Top         |  |  |  |  |
| 6   | 32120-8  | 1    | Ring-Snap                   |  |  |  |  |
| 7   | 86-5390  | 1    | Kit-Seal Repair, 2"cylinder |  |  |  |  |

13



## Control Panel Assembly

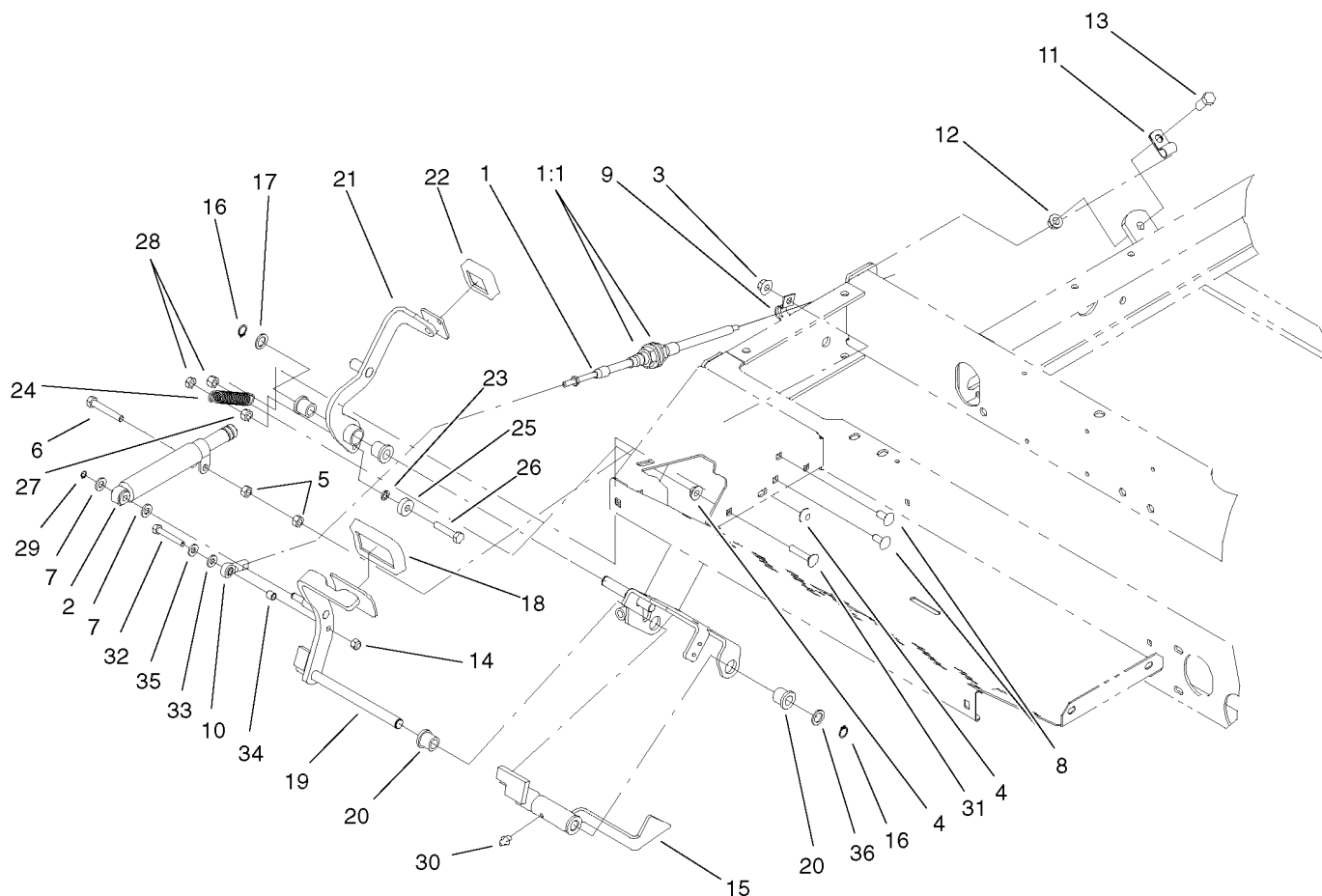
| Ref    | Part No.   | Qty. | Description          | Ref  | Part No.   | Qty. | Description       |
|--------|------------|------|----------------------|------|------------|------|-------------------|
| 1      | 32128-32   | 1    | Nut-HHF              | 22   | 95-8999    | 1    | Switch            |
| 2      | 3256-22    | 1    | Washer-Flat          | 23   | 99-3443    | 1    | Decal             |
| 3      | 95-8712-03 | 1    | Panel-Control        | 24   | 100-4823   | 1    | Harness-Wire      |
| 4      | 3250-27    | 4    | Screw-PPH            | 25   | 99-3401-03 | 1    | Lever-Valve, Lock |
| 5      | 3296-2     | 4    | Nut-Lock             | 26   | 3290-477   | 1    | Washer-Curved     |
| 6      | 70-1480    | 4    | Relay                | 27   | 63-3410    | 1    | Screw-Shoulder    |
| 7      | 32128-43   | 5    | Nut-Flange           | 28   | 32144-10   | 5    | Screw-HWH         |
| 8      | 3234-1     | 5    | Screw-HHF            | 29   | 98-7611    | 1    | Controller-Glow   |
| 9      | 37-2690    | 1    | Capacitor            | 32   | 100-4918   | 4    | Diode             |
| 10     | 2412-74    | 1    | Clamp                | ②*99 | 3290-378   | 2    | Tie-Cable         |
| 11     | 3234-4     | 1    | Screw-HHF            | ②*99 | 3290-379   | 4    | Tie-Cable         |
| 12     | 32128-33   | 1    | Nut-HF               |      |            |      |                   |
| 14     | 95-8855    | 1    | Control-Throttle     |      |            |      |                   |
| 15     | 104-0421   | 1    | Plate-Stop, Throttle |      |            |      |                   |
| 17     | 75-6820    | 1    | Hourmeter            |      |            |      |                   |
| 18     | 32144-18   | 2    | Screw-HH             |      |            |      |                   |
| 19     | 93-7053    | 1    | Cluster-Lamp,Warning |      |            |      |                   |
| ②*19:1 | 219-17     | 4    | Bulb                 |      |            |      |                   |
| ②*19:2 | 3254-1     | 1    | Washer-Lock/Int      |      |            |      |                   |
| ②*19:3 | 3217-26    | 1    | Nut-Hex              |      |            |      |                   |
| 20     | 88-9830    | 1    | Switch-Ignition      |      |            |      |                   |
| 20:1   | 3254-5     | 1    | Washer-Lock/Internal |      |            |      |                   |
| 20:2   | 218-461    | 1    | Nut-HH               |      |            |      |                   |
| 21     | 63-8360    | 2    | Key-Ignition         |      |            |      |                   |



## Front Platform Assembly

| Ref | Part No.    | Qty. | Description             |
|-----|-------------|------|-------------------------|
| 1   | 32128-44    | 22   | Nut                     |
| 2   | 3230-6      | 1    | Screw-CARR              |
| 3   | 3256-3      | 1    | Washer-Flat             |
| 4   | 3256-40     | 1    | Washer-Flat             |
| 5   | 65-9940     | 1    | Spring                  |
| 6   | 95-8866     | 1    | Tube-Arm, Rocker        |
| 7   | 32105-9     | 2    | Screw                   |
| 8   | 3296-9      | 2    | Nut-Lock NI             |
| 9   | 99-3593     | 1    | Arm-Rocker              |
| 10  | 95-8900     | 1    | Switch                  |
| 11  | 3230-1      | 9    | Screw-CARR              |
| 12  | 3218-2      | 1    | Nut-Jam                 |
| 13  | 322-41      | 1    | Screw-HH                |
| 14  | 3230-23     | 2    | Screw-CARR              |
| 15  | 95-8869-03  | 1    | Bracket-Pedal, Traction |
| 17  | 95-8893     | 1    | Bar-Deflector           |
| 18  | 3274-22     | 1    | Screw-HSH               |
| 19  | 95-8610-01  | 1    | Plate-Floor             |
| 20  | 99-3444     | 1    | Decal-Mow/Transport     |
| 21  | 99-3478     | 1    | Tread-Foot              |
| 22  | 100-4884-01 | 1    | Support-Floor, RH       |
| 23  | 95-8612-01  | 1    | Bracket-Floor Plate, LH |
| 25  | 3234-5      | 10   | Screw-HHF               |
| 26  | 99-3388     | 1    | Decal-Sidewinder        |

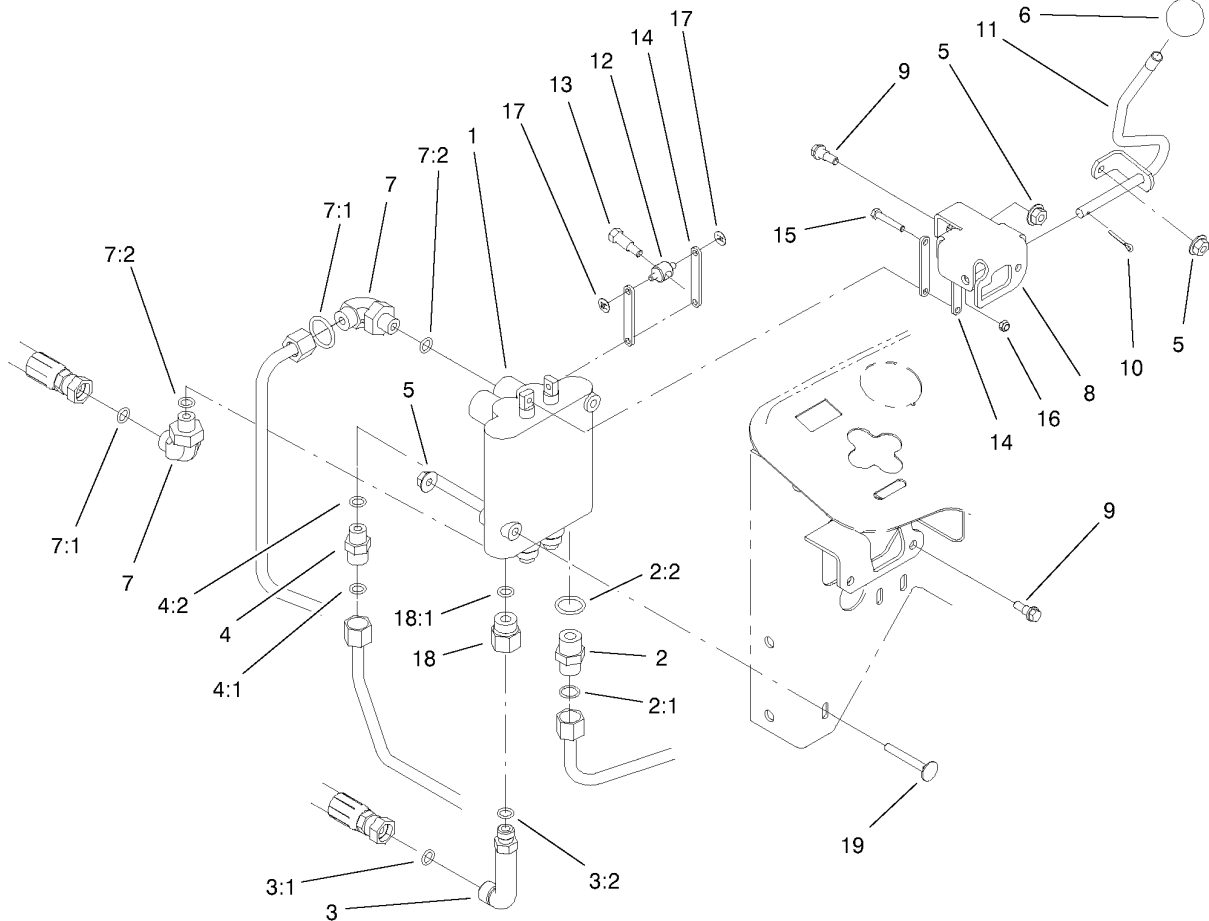
| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 27  | 99-3565  | 1    | Nut-Square              |
| 28  | 3217-6   | 1    | Nut-Hex                 |
| 29  | 3256-23  | 2    | Washer-Flat             |
| 30  | 3296-29  | 1    | Nut-Lock, NI            |
| 31  | 2412-103 | 1    | Clamp                   |
| 32  | 100-4871 | 1    | Bracket-Switch, Neutral |
| 33  | 100-4872 | 1    | Plate-Switch, Neutral   |
| 34  | 3229-20  | 1    | Screw-CARR              |
| 35  | 3256-14  | 1    | Washer-Flat             |
| 36  | 3255-17  | 1    | Washer-Lock/EXT         |
| 37  | 3296-2   | 1    | Nut-Lock                |
| 38  | 3229-1   | 2    | Screw-CARR              |
| 39  | 3256-22  | 2    | Washer-Flat             |
| 40  | 3255-7   | 2    | Washer-Lock/EXT         |
| 41  | 3217-5   | 2    | Nut-Hex                 |
| 42  | 100-1270 | 1    | Switch-Proximity        |
| *99 | 3290-379 | 1    | Tie-Cable               |



## Traction Pedal Assembly

| Ref | Part No.    | Qty. | Description             |
|-----|-------------|------|-------------------------|
| 1   | 93-2099     | 1    | Cable-Control, Traction |
| 1:1 | 3220-1      | 2    | Nut-Jam                 |
| 2   | 76-8870     | 1    | Lever Damper ASM        |
| 3   | 32128-20    | 2    | Nut-HF                  |
| 4   | 32128-44    | 2    | Nut                     |
| 5   | 3217-6      | 2    | Nut-Hex                 |
| 6   | 322-10      | 1    | Screw-HH                |
| 7   | 3256-23     | 2    | Washer-Flat             |
| 8   | 3230-1      | 2    | Screw-CARR              |
| 9   | 93-2092     | 1    | Clamp-Cable             |
| 10  | 2411-41     | 1    | Joint-Ball, Superior    |
| 11  | 2412-10     | 1    | R-Clamp                 |
| 12  | 32128-43    | 1    | Nut-Flange              |
| 13  | 323-6       | 1    | Screw-HH                |
| 14  | 3296-42     | 1    | Nut-Lock                |
| 15  | 95-8861     | 1    | Slide                   |
| 16  | 32151-84    | 2    | Ring-Shaft, EXT         |
| 17  | 41-8440     | 1    | Washer                  |
| 18  | 74-9100     | 1    | Pad-Pedal, Forward      |
| 19  | 100-4875-03 | 1    | Traction Pedal ASM      |
| 20  | 256-243     | 2    | Bearing-Flange          |
| 21  | 99-3379     | 1    | Pedal-Reverse           |
| 22  | 74-9110     | 1    | Pad-Pedal, Reverse      |
| 23  | 75-5470     | 1    | Spacer-Bearing          |

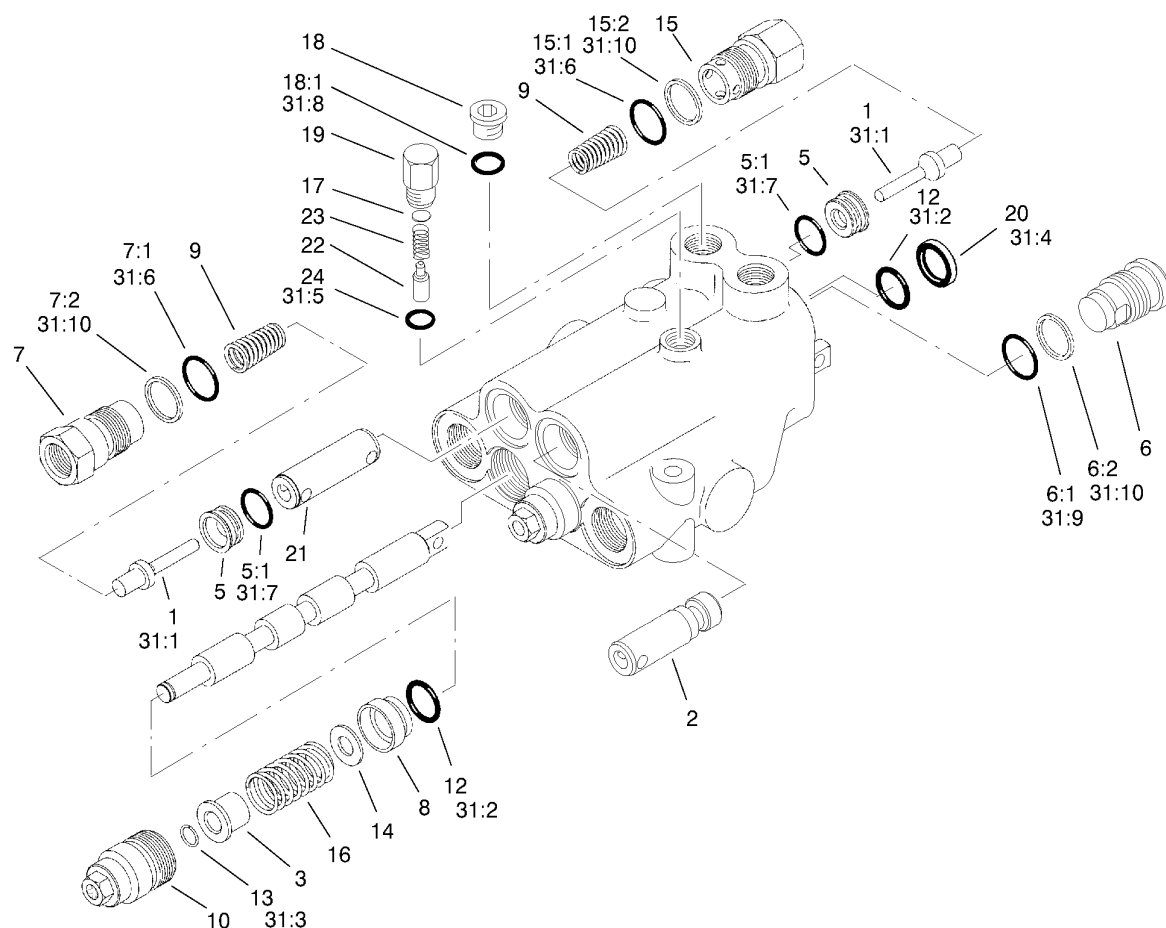
| Ref | Part No. | Qty. | Description      |
|-----|----------|------|------------------|
| 24  | 99-3476  | 1    | Spring-Extension |
| 25  | 251-259  | 1    | Bearing          |
| 26  | 322-7    | 1    | Screw-HH         |
| 27  | 3296-29  | 1    | Nut-Lock, NI     |
| 28  | 3296-47  | 2    | Nut-Lock, NI     |
| 29  | 32151-3  | 1    | Ring-Grip, Ex    |
| 30  | 302-5    | 1    | Fitting-Lube     |
| 31  | 3230-27  | 1    | Screw-CARR       |
| 32  | 321-9    | 1    | Screw-HH         |
| 33  | 33093-00 | 1    | Washer-Flat      |
| 34  | 99-3545  | 1    | Spacer           |
| 35  | 3256-22  | 1    | Washer-Flat      |
| 36  | 73-0040  | 4    | Washer-Thrust    |



## Control Valve Assembly

| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 1   | 95-8581  | 1    | Valve-2 Spool           |
| 2   | 340-3    | 1    | Adapter                 |
| 2:1 | 237-22   | 1    | O-Ring                  |
| 2:2 | 237-79   | 1    | O-Ring                  |
| 3   | 69-4320  | 1    | Fitting-90Ø             |
| 3:1 | 237-22   | 1    | O-Ring                  |
| 3:2 | 237-42   | 1    | O-Ring                  |
| 4   | 340-2    | 1    | Adapter                 |
| 4:1 | 237-22   | 1    | O-Ring                  |
| 4:2 | 237-42   | 1    | O-Ring                  |
| 5   | 32128-33 | 5    | Nut-HF                  |
| 6   | 233-42   | 1    | Knob                    |
| 7   | 340-77   | 2    | Fitting-HYD., 90Ø       |
| 7:1 | 237-22   | 1    | O-Ring                  |
| 7:2 | 237-42   | 1    | O-Ring                  |
| 8   | 95-8633  | 1    | Bracket-Valve,Actuator  |
| 9   | 42-3560  | 2    | Bolt-Shoulder           |
| 10  | 3272-6   | 1    | Pin-Cotter              |
| 11  | 95-8635  | 1    | Lever-Valve             |
| 12  | 95-8638  | 1    | Trunnion-Valve,Actuator |
| 13  | 92-8916  | 1    | Bolt-Shoulder           |
| 14  | 95-8634  | 4    | Link                    |
| 15  | 87-5150  | 3    | Bolt                    |
| 16  | 87-5140  | 3    | Nut-Lock                |

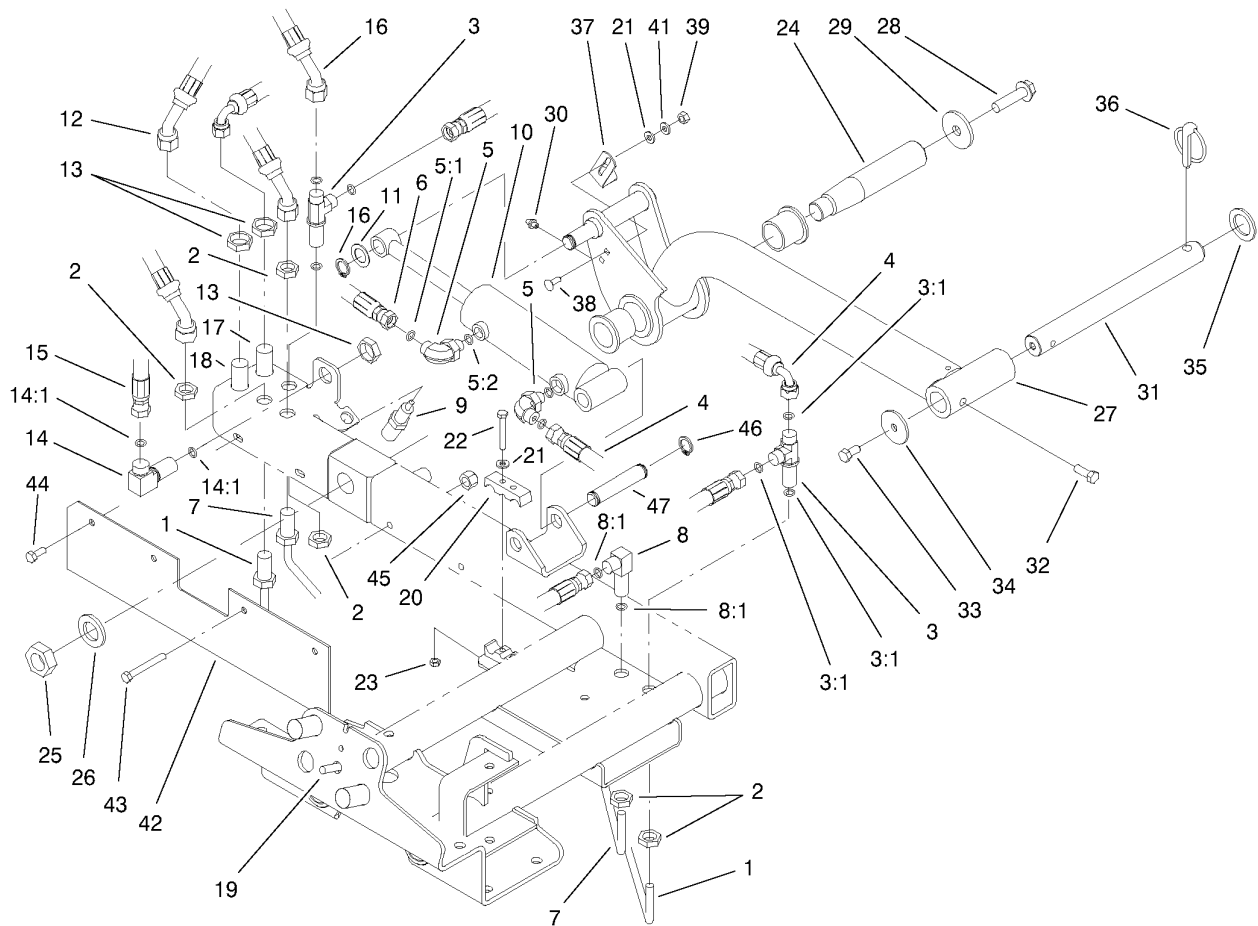
| Ref  | Part No. | Qty. | Description       |
|------|----------|------|-------------------|
| 17   | 93-3988  | 2    | Pushnut-Tinnerman |
| 18   | 353-397  | 1    | Reducer-Adapter   |
| 18:1 | 237-79   | 1    | O-Ring            |
| 19   | 3230-33  | 2    | Screw-CARR        |



## Valve Assembly No. 95-8581

| Ref  | Part No. | Qty. | Description      |
|------|----------|------|------------------|
| 1    | 58-6290  | 3    | Poppet           |
| 2    | 69-1840  | 1    | Plunger          |
| 3    | 58-6310  | 2    | Spacer           |
| 5    | 58-6330  | 3    | Seat             |
| 5:1  | 58-6340  | 1    | O-Ring           |
| 6    | 58-6350  | 1    | Plug             |
| 6:1  | 60-5720  | 1    | Ring             |
| 6:2  | 59-7730  | 1    | Washer-Backup    |
| 7    | 99-3527  | 2    | Plug ASM         |
| 7:1  | 60-5720  | 1    | Ring             |
| 7:2  | 59-7730  | 1    | Washer-Backup    |
| 8    | 58-6400  | 2    | Bushing          |
| 9    | 69-1810  | 3    | Spring           |
| 10   | 58-6420  | 2    | Cap              |
| 12   | 58-6450  | 4    | O-Ring           |
| 13   | 58-6460  | 2    | Ring             |
| 14   | 65-2770  | 2    | Washer           |
| 15   | 99-3526  | 1    | Plug ASM         |
| 15:1 | 60-5720  | 1    | Ring             |
| 15:2 | 59-7730  | 1    | Washer-Backup    |
| 16   | 99-3531  | 2    | Spring           |
| 17   | 60-6450  | 1    | Disc             |
| 18   | 353-989  | 1    | Plug-Hex, Hollow |
| 18:1 | 237-42   | 1    | O-Ring           |

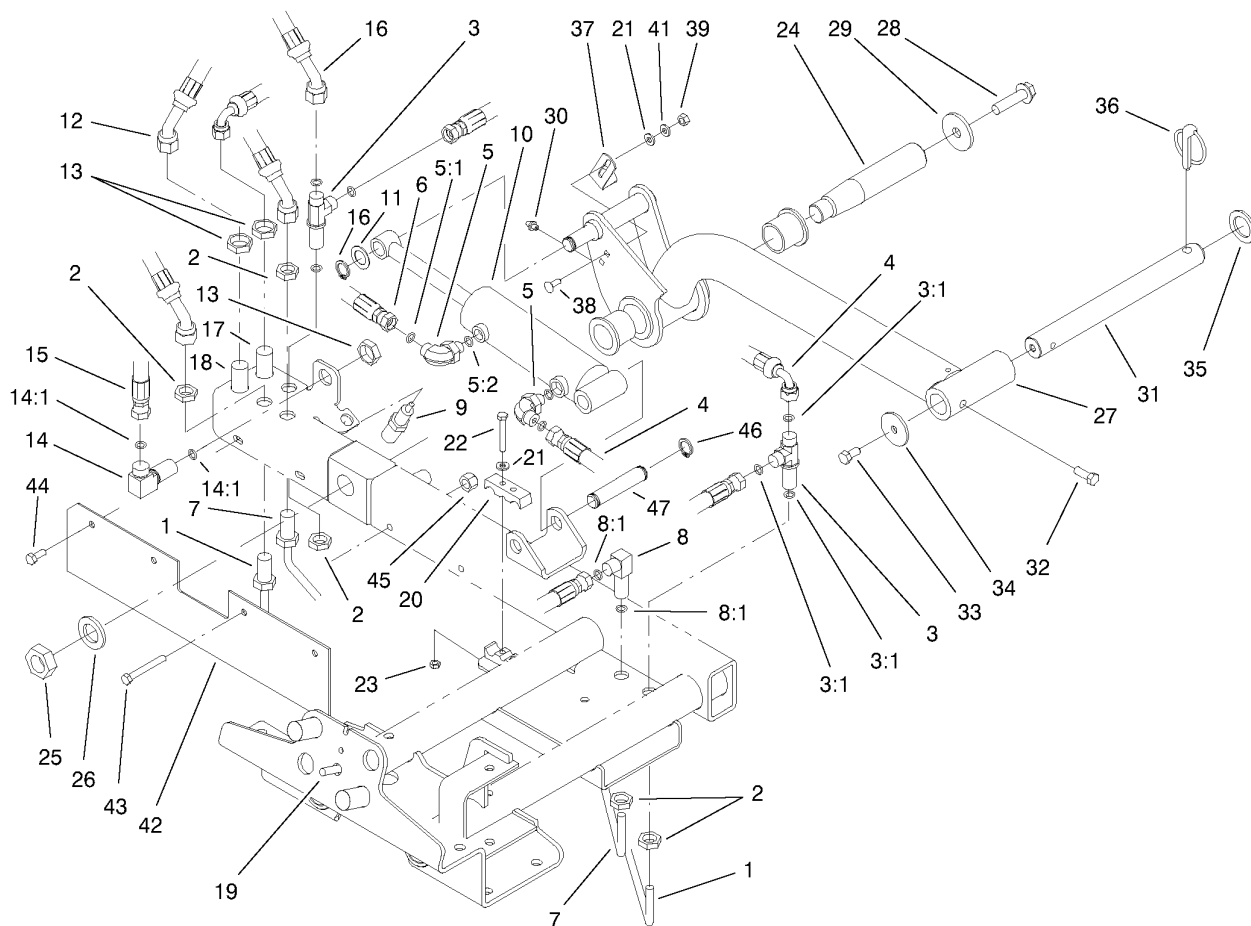
| Ref   | Part No. | Qty. | Description   |
|-------|----------|------|---------------|
| 19    | 58-6780  | 1    | Plug          |
| 20    | 58-6320  | 2    | Wiper         |
| 21    | 99-3528  | 1    | Plunger       |
| 22    | 58-6770  | 1    | Plunger       |
| 23    | 58-6760  | 1    | Spring        |
| 24    | 58-6790  | 1    | O-Ring        |
| 31    | 99-3530  | 1    | Kit-Seal      |
| 31:1  | 58-6290  | 3    | Poppet        |
| 31:2  | 58-6450  | 4    | O-Ring        |
| 31:3  | 58-6460  | 2    | Ring          |
| 31:4  | 58-6320  | 2    | Wiper         |
| 31:5  | 58-6790  | 1    | O-Ring        |
| 31:6  | 60-5720  | 2    | Ring          |
| 31:7  | 58-6340  | 2    | O-Ring        |
| 31:8  | 237-42   | 1    | O-Ring        |
| 31:9  | 60-5720  | 2    | Ring          |
| 31:10 | 59-7730  | 2    | Washer-Backup |



## Rear Liftarm Assembly

| Ref  | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 1    | 95-8984  | 1    | Tube ASM              |
| 2    | 340-70   | 5    | Locknut-Bulkhead      |
| 3    | 340-68   | 2    | Fitting-Tee, Bulkhead |
| 3:1  | 237-22   | 6    | O-Ring                |
| 4    | 95-8831  | 1    | Hose ASM              |
| 5    | 340-77   | 2    | Fitting-HYD., 90°     |
| 5:1  | 237-22   | 1    | O-Ring                |
| 5:2  | 237-42   | 1    | O-Ring                |
| 6    | 95-8823  | 1    | Hose ASM              |
| 7    | 95-8983  | 1    | Tube ASM              |
| 8    | 340-154  | 1    | Union-Bulkhead        |
| 8:1  | 237-22   | 2    | O-Ring                |
| 9    | 93-6762  | 1    | Switch-Ball           |
| 10   | 95-8978  | 1    | Cylinder-Hydraulic    |
| 11   | 3-6498   | 1    | Washer-Thrust         |
| 12   | 95-8820  | 1    | Hose ASM              |
| 13   | 340-127  | 3    | Nut-Bulkhead          |
| 14   | 93-9151  | 1    | Fitting-Hydraulic     |
| 14:1 | 237-30   | 2    | O-Ring                |
| 15   | 95-8824  | 1    | Hose ASM              |
| 16   | 95-8825  | 1    | Hose ASM              |
| 17   | 95-8980  | 1    | Tube ASM              |
| 18   | 95-8981  | 1    | Tube ASM              |
| 19   | 95-8982  | 1    | Tube ASM              |

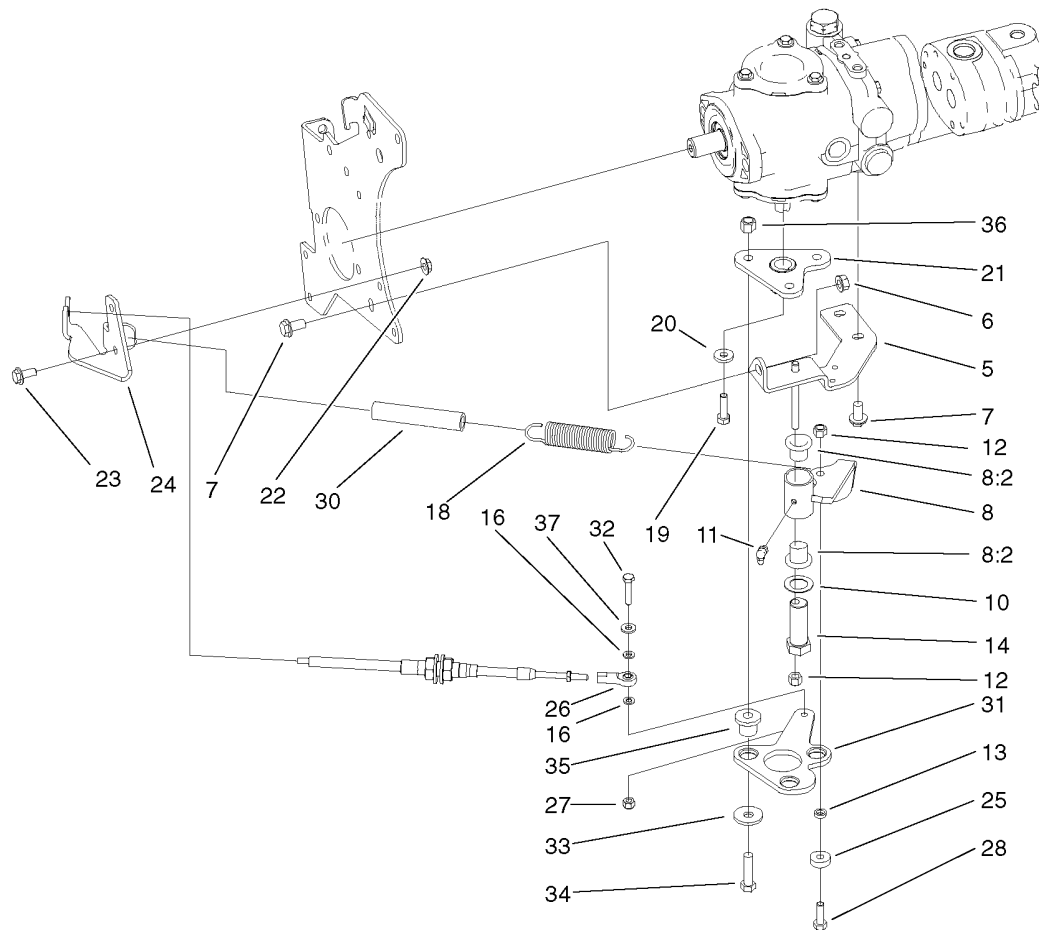
| Ref | Part No.   | Qty. | Description       |
|-----|------------|------|-------------------|
| 20  | 93-2509    | 2    | Clamp-Tube        |
| 21  | 3256-22    | 6    | Washer-Flat       |
| 22  | 321-11     | 2    | Screw-HH          |
| 23  | 3296-42    | 2    | Nut-Lock          |
| 24  | 95-8990    | 1    | Shaft-Pivot, Rear |
| 25  | 3220-9     | 1    | Nut-Jam           |
| 26  | 86-1480    | 1    | Washer            |
| 27  | 95-8985    | 1    | Rear Lift Arm ASM |
| 28  | 3234-27    | 1    | Screw-Flange      |
| 29  | 75-7730    | 1    | Washer-Thrust     |
| 30  | 302-5      | 1    | Fitting-Lube      |
| 31  | 95-8979    | 1    | Shaft-C.U., Pivot |
| 32  | 323-6      | 1    | Screw-HH          |
| 33  | 323-4      | 1    | Screw-HH          |
| 34  | 63-7400    | 1    | Washer-Rebound    |
| 35  | 3-6781     | 1    | Washer-Thrust     |
| 36  | 283-71     | 1    | Pin-Lynch         |
| 37  | 95-8613    | 1    | Bracket-Switch    |
| 38  | 3229-1     | 2    | Screw-CARR        |
| 39  | 3217-5     | 2    | Nut-Hex           |
| 41  | 3253-3     | 2    | Washer-Lock/Sp    |
| 42  | 95-8591-03 | 1    | Guard             |
| 43  | 322-12     | 2    | Screw-HH          |
| 44  | 322-3      | 2    | Screw-HH          |



## Rear Liftarm Assembly (continued)

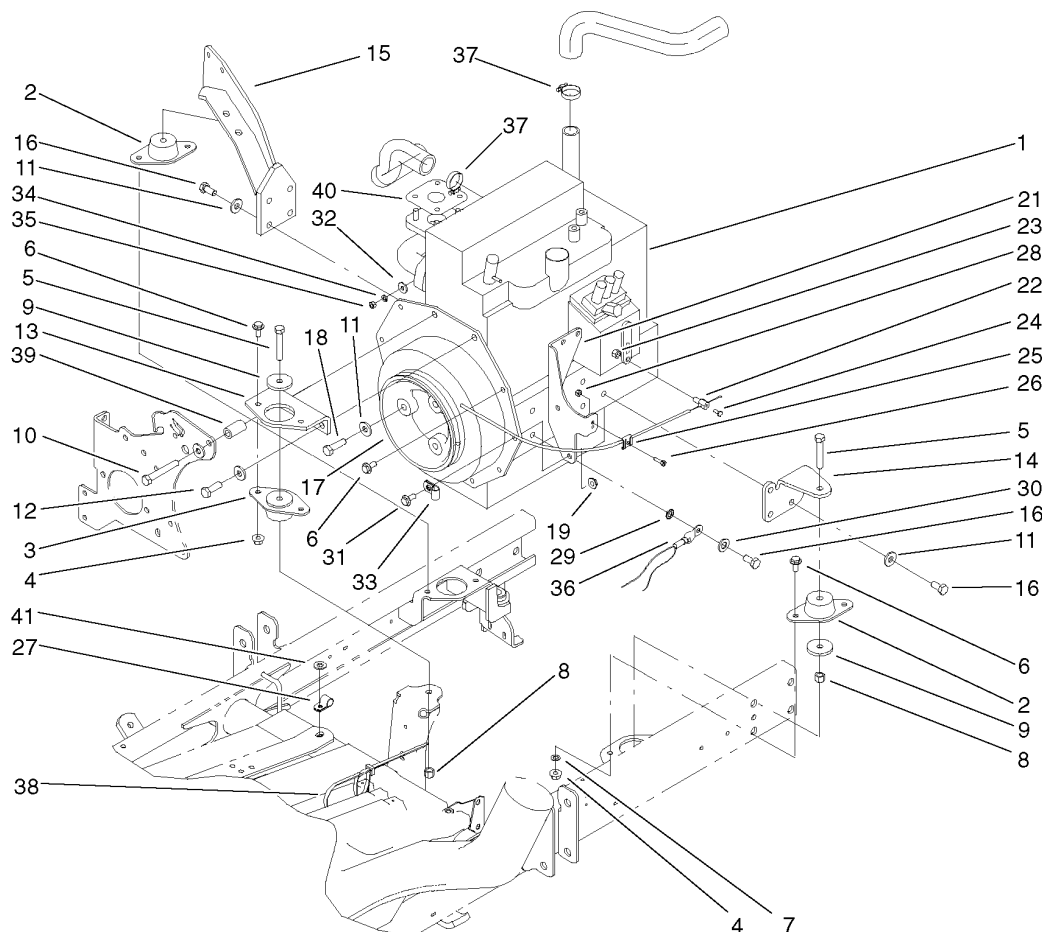
| Ref  | Part No. | Qty. | Description    |
|------|----------|------|----------------|
| 45   | 3296-29  | 4    | Nut-Lock, NI   |
| 46   | 32120-93 | 3    | Ring-Retaining |
| 47   | 95-8575  | 1    | Pin            |
| ②*99 | 3290-379 | 1    | Tie-Cable      |





## Neutral Arm Assembly

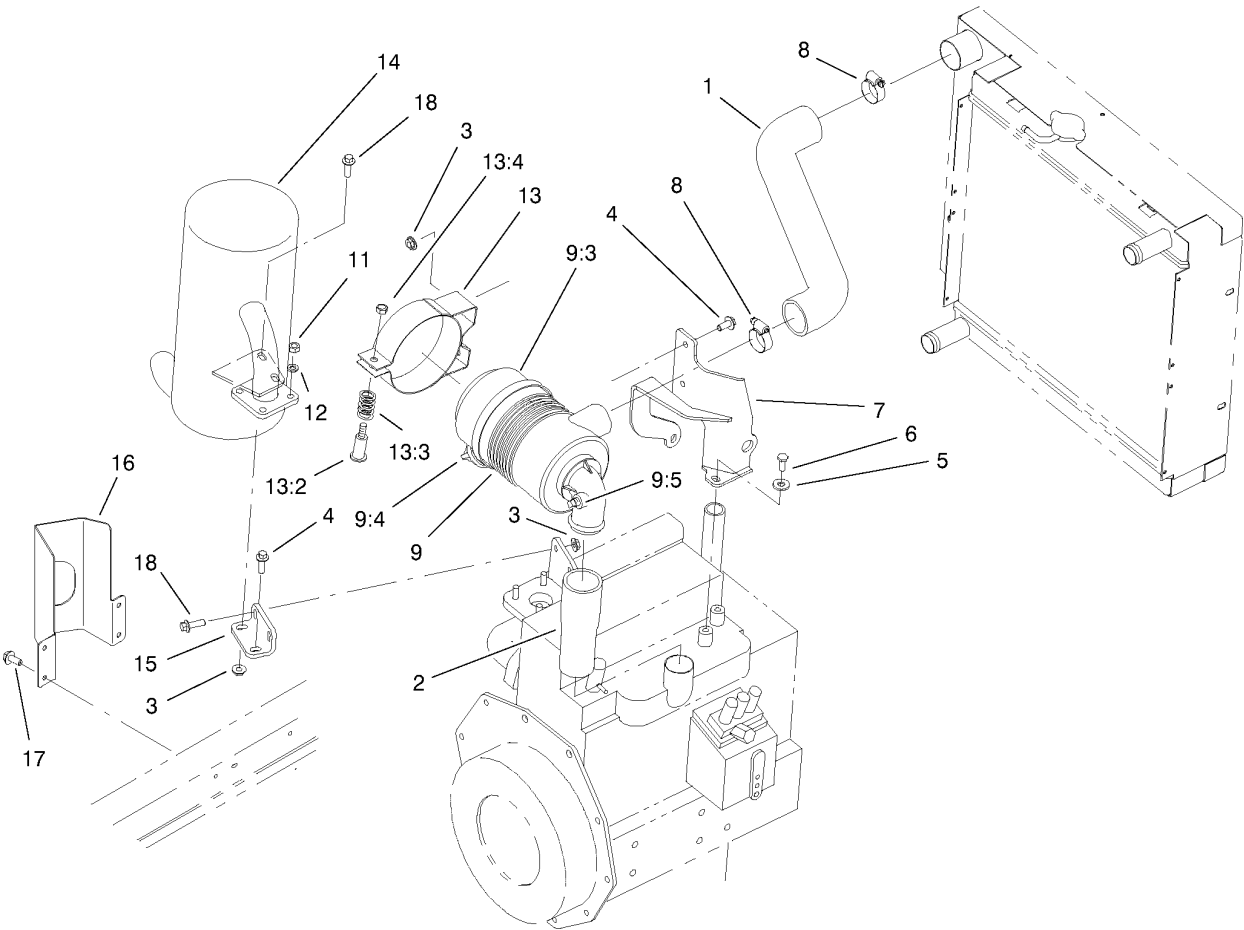
| Ref | Part No.   | Qty. | Description           | Ref | Part No. | Qty. | Description        |
|-----|------------|------|-----------------------|-----|----------|------|--------------------|
| 5   | 95-8960-03 | 1    | Bracket-Neutral       | 32  | 321-8    | 1    | Screw-HH           |
| 6   | 32128-43   | 1    | Nut-Flange            | 33  | 2844     | 3    | Washer             |
| 7   | 3234-1     | 3    | Screw-HHF             | 34  | 95-3857  | 3    | Screw-Head, Button |
| 8   | 104-0422   | 1    | Neutral Arm ASM       | 35  | 63-9750  | 3    | Mount              |
| 8:2 | 256-113    | 2    | Bushing-Flange        | 36  | 3296-39  | 3    | Nut-Lock, NI       |
| 10  | 3-6498     | 1    | Washer-Thrust         | 37  | 3256-22  | 1    | Washer-Flat        |
| 11  | 302-60     | 1    | Fitting-Lube          |     |          |      |                    |
| 12  | 3296-29    | 2    | Nut-Lock, NI          |     |          |      |                    |
| 13  | 100-4817   | 1    | Spacer-Bearing        |     |          |      |                    |
| 14  | 76-8640    | 1    | Stud-Traction         |     |          |      |                    |
| 16  | 33093-00   | 2    | Washer-Flat           |     |          |      |                    |
| 18  | 94-1369    | 1    | Spring-Extension      |     |          |      |                    |
| 19  | 3210-6     | 1    | Screw-HH              |     |          |      |                    |
| 20  | 88-7200    | 1    | Washer-Flat           |     |          |      |                    |
| 21  | 99-3598-03 | 1    | Hub ASM               |     |          |      |                    |
| 22  | 32128-44   | 2    | Nut                   |     |          |      |                    |
| 23  | 3234-5     | 2    | Screw-HHF             |     |          |      |                    |
| 24  | 99-3553-03 | 1    | Bracket-Support,Cable |     |          |      |                    |
| 25  | 251-259    | 1    | Bearing               |     |          |      |                    |
| 26  | 2411-41    | 1    | Joint-Ball, Superior  |     |          |      |                    |
| 27  | 3296-42    | 1    | Nut-Lock              |     |          |      |                    |
| 28  | 3274-104   | 1    | Screw-HSBH            |     |          |      |                    |
| 30  | 99-3556    | 1    | Hose                  |     |          |      |                    |
| 31  | 99-3594-03 | 1    | Lever-Pump            |     |          |      |                    |



## Engine Assembly

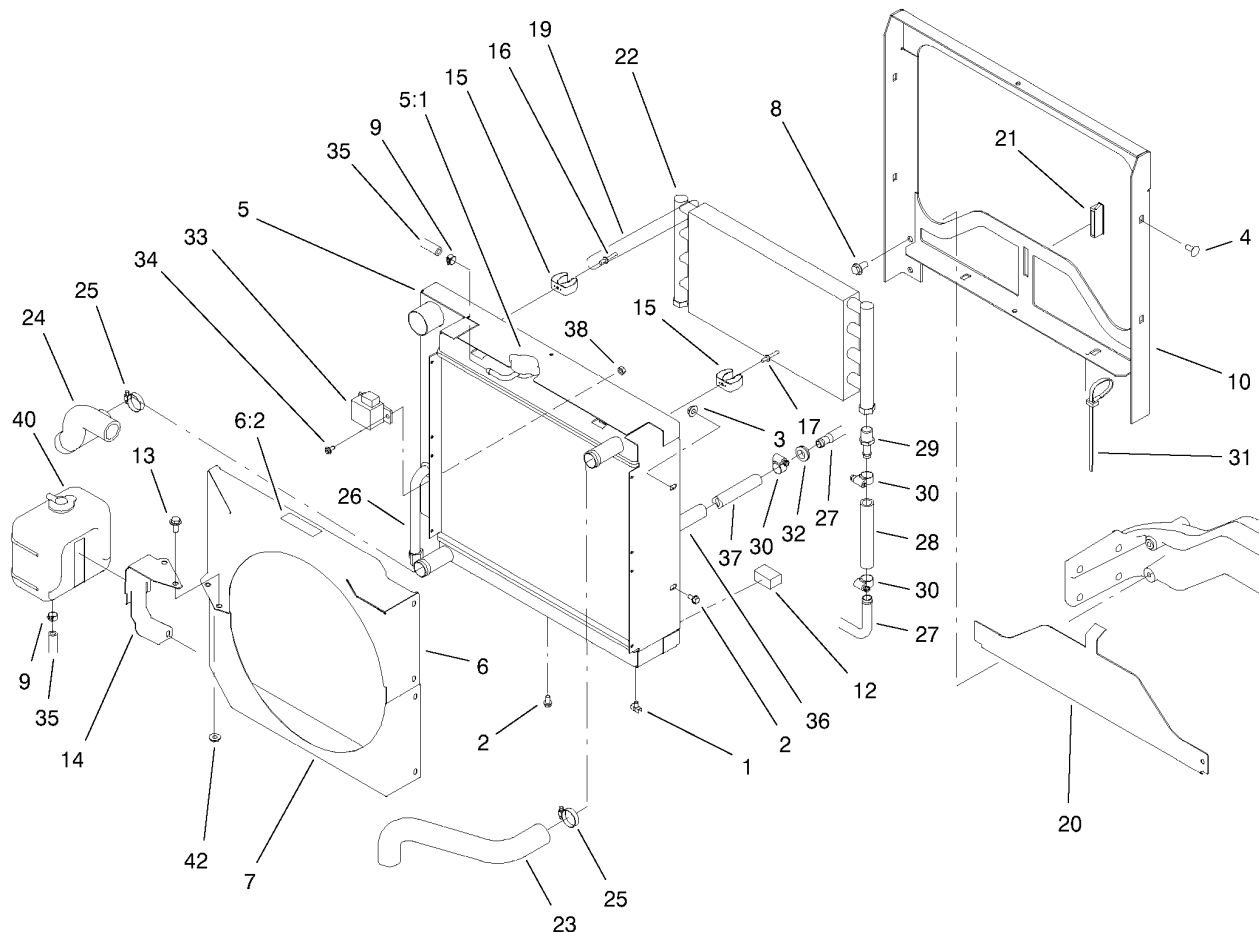
| Ref | Part No.   | Qty. | Description                      |
|-----|------------|------|----------------------------------|
| 1   | 95-8912    | 1    | Engine-Kubota,D1105-Eb-Toro-2-S1 |
| 2   | 83-1030    | 2    | Mount-Engine                     |
| 3   | 93-5265    | 1    | Mount-Engine                     |
| 4   | 32128-20   | 6    | Nut-HF                           |
| 5   | 323-11     | 3    | Screw-HH                         |
| 6   | 3234-5     | 7    | Screw-HHF                        |
| 7   | 3255-8     | 1    | Washer-Lock/EXT                  |
| 8   | 3296-39    | 3    | Nut-Lock, NI                     |
| 9   | 80-8560    | 3    | Washer-Hardened                  |
| 10  | 42-9370    | 1    | Bolt/Washer                      |
| 11  | 80-6990    | 12   | Washer-Hardened                  |
| 12  | 95-8812    | 1    | Screw-Hhc                        |
| 13  | 95-8926-03 | 1    | Mount-Engine, Front              |
| 14  | 95-8937-03 | 1    | Mount-Engine, LH                 |
| 15  | 95-8919-03 | 1    | Mount-Engine                     |
| 16  | 63-7790    | 8    | Screw-Cap                        |
| 17  | 99-3412-03 | 1    | Pulley                           |
| 18  | 56-2140    | 3    | Bolt                             |
| 19  | 32128-44   | 2    | Nut                              |
| 21  | 99-3354-03 | 1    | Support-Filter, Throttle         |
| 22  | 98-9311    | 1    | Swivel-Throttle                  |
| 23  | 3296-20    | 1    | Nut-Lock NI                      |
| 24  | 25-8640    | 1    | Screw-Machine, HH                |

| Ref | Part No. | Qty. | Description     |
|-----|----------|------|-----------------|
| 25  | 81-1690  | 1    | Clamp-Cable     |
| 26  | 32105-13 | 1    | Screw-SHH       |
| 27  | 2412-112 | 1    | Clamp           |
| 28  | 3296-2   | 1    | Nut-Lock        |
| 29  | 3255-9   | 1    | Washer-Lock/EXT |
| 30  | 3256-25  | 1    | Washer-Flat     |
| 31  | 3234-17  | 1    | Screw-HHF       |
| 32  | 3256-78  | 1    | Washer-Flat     |
| 33  | 2412-10  | 1    | R-Clamp         |
| 34  | 43-5930  | 1    | Washer-Spring   |
| 35  | 48-7890  | 1    | Nut             |
| 36  | 99-3441  | 1    | Harness-Wire    |
| 37  | 2412-34  | 2    | Clamp-Hose      |
| 38  | 3290-378 | 1    | Tie-Cable       |
| 39  | 95-8736  | 1    | Spacer          |
| 40  | 98-9611  | 1    | Gasket          |
| 41  | 3256-24  | 1    | Washer-Flat     |



**Air Cleaner And Muffler Assembly**

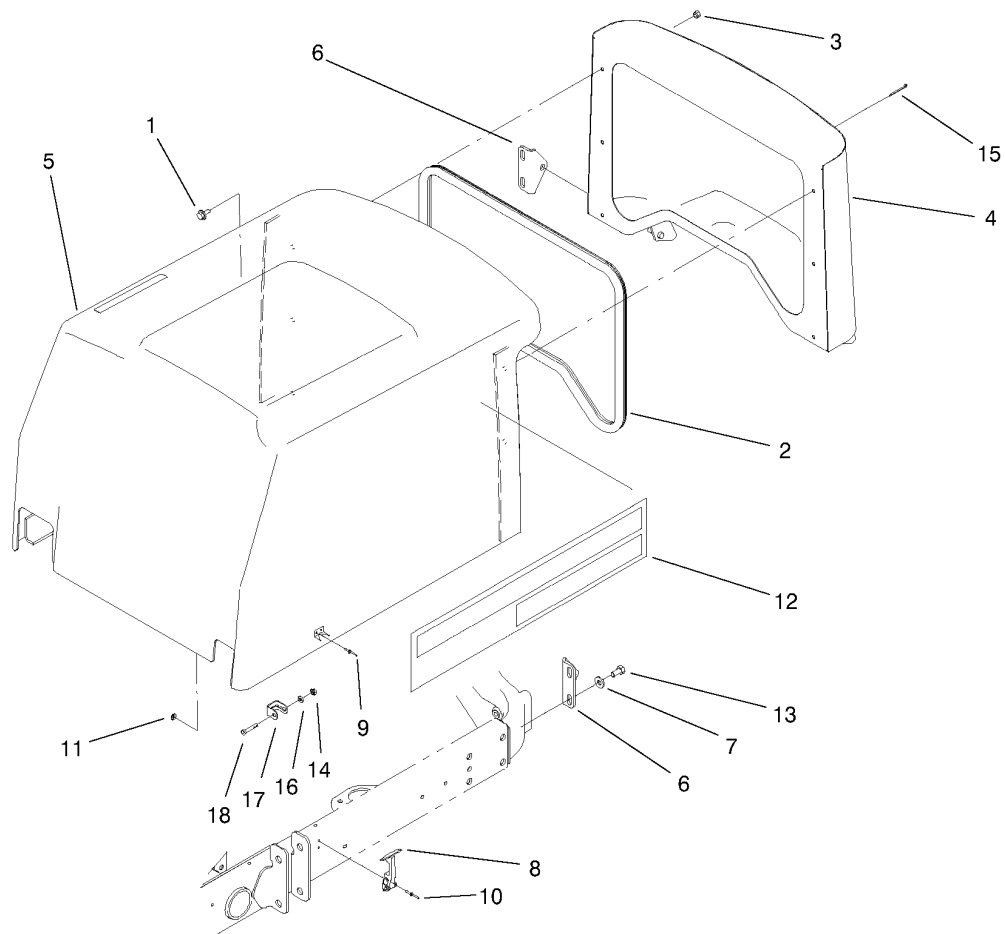
| Ref   | Part No.   | Qty. | Description               |  |  |  |  |
|-------|------------|------|---------------------------|--|--|--|--|
| 1     | 95-8946    | 1    | Hose-Upper, Air Inlet     |  |  |  |  |
| 2     | 95-8947    | 1    | Hose-Lower, Air Inlet     |  |  |  |  |
| 3     | 32128-44   | 6    | Nut                       |  |  |  |  |
| 4     | 3234-5     | 3    | Screw-HHF                 |  |  |  |  |
| 5     | 3256-23    | 2    | Washer-Flat               |  |  |  |  |
| 6     | 33114-016  | 2    | Screw-HH                  |  |  |  |  |
| 7     | 99-3355-03 | 1    | Bracket-Filter, Air       |  |  |  |  |
| 8     | 2412-92    | 4    | Clamp-Hose                |  |  |  |  |
| 9     | 93-2190    | 1    | Air Cleaner ASM           |  |  |  |  |
| ②*9:2 | 93-2195    | 1    | Filter                    |  |  |  |  |
| 9:3   | 94-3652    | 1    | Cover ASM                 |  |  |  |  |
| 9:4   | 94-1414    | 1    | Valve-Vacuator            |  |  |  |  |
| 9:5   | 285-17     | 1    | Plug-Pipe                 |  |  |  |  |
| 11    | 33014-00   | 4    | Nut-Hex                   |  |  |  |  |
| 12    | 42-9850    | 4    | Washer-Lock, Spring       |  |  |  |  |
| 13    | 93-2191    | 1    | Band-Mounting, Aircleaner |  |  |  |  |
| 13:2  | 94-3653    | 1    | Bolt                      |  |  |  |  |
| 13:3  | 94-3654    | 1    | Spring                    |  |  |  |  |
| 13:4  | 48-9510    | 1    | Nut                       |  |  |  |  |
| 14    | 95-8942    | 1    | Muffler                   |  |  |  |  |
| 15    | 95-8943-03 | 1    | Bracket-Muffler           |  |  |  |  |
| 16    | 99-3425-03 | 1    | Guard-Exhaust             |  |  |  |  |
| 17    | 32144-4    | 4    | Screw-HH                  |  |  |  |  |
| 18    | 3234-17    | 3    | Screw-HHF                 |  |  |  |  |



## Radiator Assembly

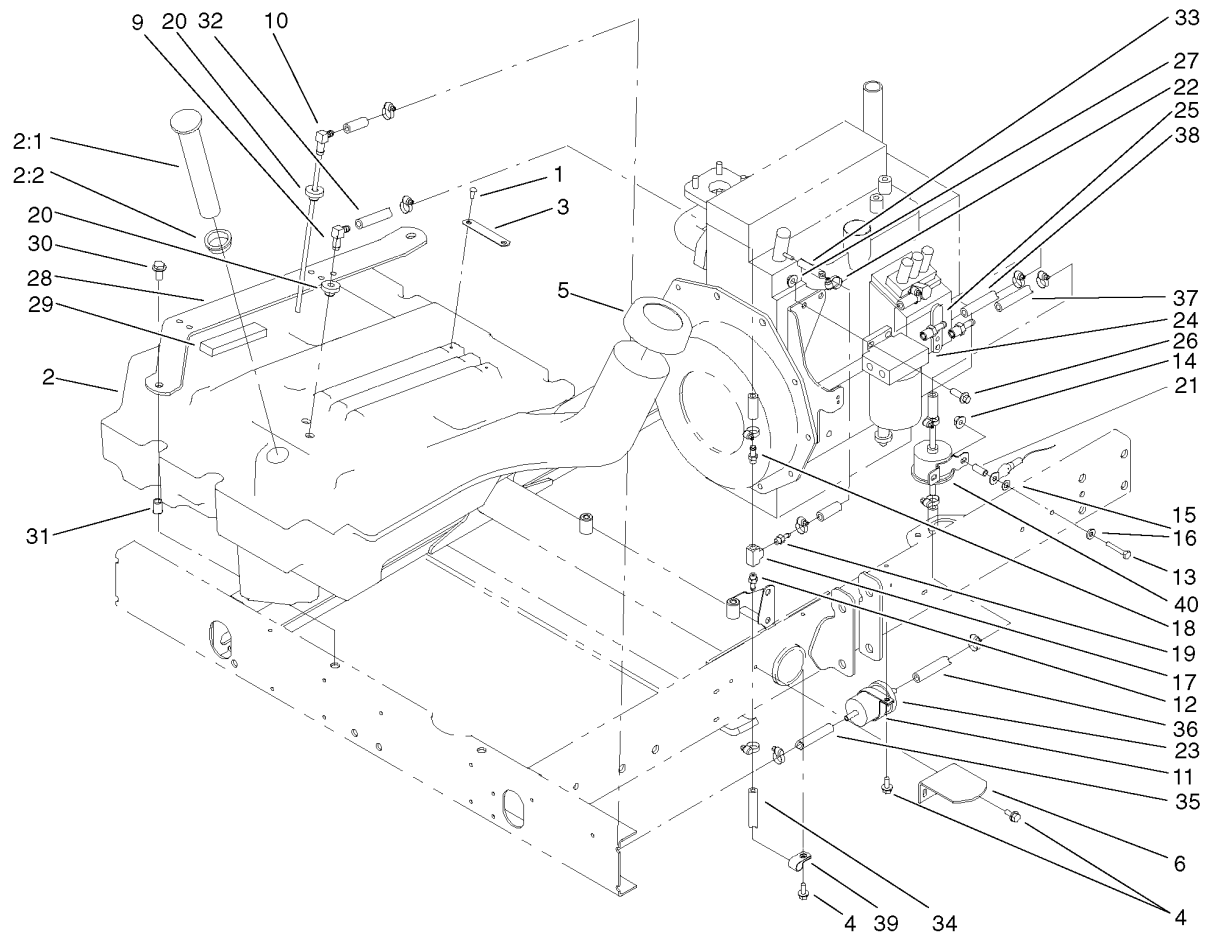
| Ref | Part No.    | Qty. | Description            |
|-----|-------------|------|------------------------|
| 1   | 304-46      | 1    | Draincock              |
| 2   | 32104-116   | 11   | Screw                  |
| 3   | 32128-44    | 4    | Nut                    |
| 4   | 3230-1      | 4    | Screw-CARR             |
| 5   | 95-8934     | 1    | Radiator               |
| 5:1 | 93-5957     | 1    | Cap-Radiator           |
| 6   | 99-3580     | 1    | Shroud-Fan, Top        |
| 6:2 | 93-6681     | 1    | Decal-Warning, Fan     |
| 7   | 99-3360-03  | 1    | Shroud-Fan, Bottom     |
| 8   | 3234-1      | 4    | Screw-HHF              |
| 9   | 92-2379     | 2    | Clamp-Hose             |
| 10  | 100-4903-03 | 1    | Radiator Frame ASM     |
| 12  | 95-8962     | 2    | Seal-Foam, Radiator    |
| 13  | 3234-5      | 2    | Screw-HHF              |
| 14  | 95-8879-03  | 1    | Bracket-Reservoir      |
| 15  | 95-8939     | 2    | Spring-Clip            |
| 16  | 3269-22     | 1    | Rivet-Pop              |
| 17  | 3269-23     | 1    | Rivet-Pop              |
| 19  | 99-3390     | 1    | Lanyard                |
| 20  | 95-8702-03  | 1    | Shield-Radiator, Lower |
| 21  | 99-3497     | 1    | Magnet                 |
| 22  | 75-1040     | 1    | Cooler-Oil             |
| 23  | 95-8944     | 1    | Hose-Radiator, Upper   |
| 24  | 95-8945     | 1    | Hose-Radiator, Lower   |

| Ref  | Part No. | Qty. | Description            |
|------|----------|------|------------------------|
| 25   | 2412-34  | 2    | Clamp-Hose             |
| 26   | 95-8704  | 1    | Tube-Hydro             |
| 27   | 95-8705  | 1    | Tube-Hydro             |
| 28   | 95-8706  | 2    | Hose-Hydro             |
| 29   | 95-8710  | 2    | Fitting-Barb           |
| 30   | 2412-36  | 5    | Clamp-Hose             |
| 31   | 3290-378 | 2    | Tie-Cable              |
| 32   | 99-3481  | 2    | Grommet                |
| 33   | 66-8800  | 1    | Relay                  |
| 34   | 32105-13 | 2    | Screw-SHH              |
| 35   | 63-7623  | 1    | Hose-Fuel              |
| 36   | 56-7985  | 1    | Sleeve-Protective      |
| 37   | 99-3500  | 1    | Hose                   |
| 38   | 3296-2   | 2    | Nut-Lock               |
| 40   | 98-9323  | 1    | Bottle-Overflow, Water |
| 42   | 32128-20 | 2    | Nut-HF                 |
| ②*99 | 3290-379 | 1    | Tie-Cable              |



Hood Assembly

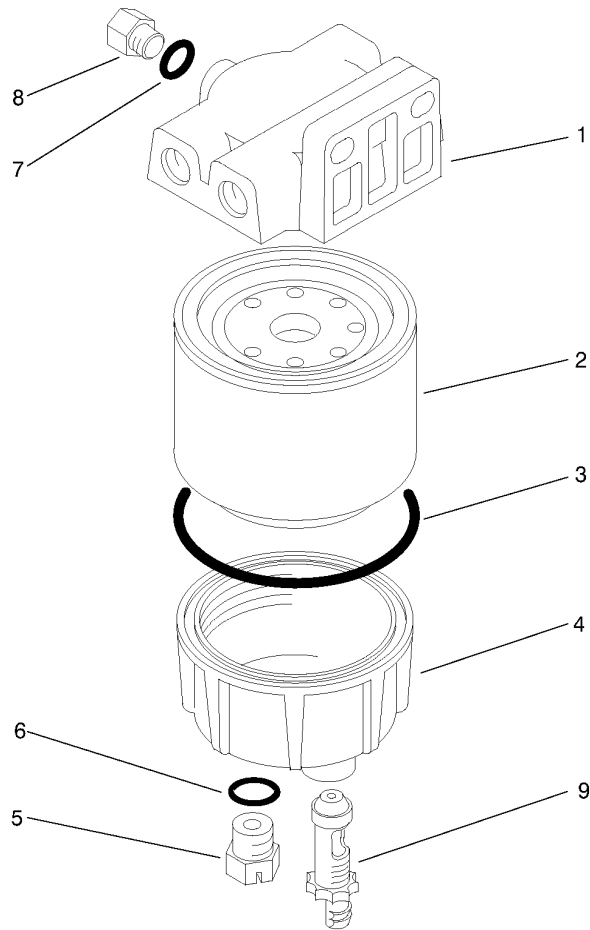
| Ref | Part No.   | Qty. | Description          |  |  |  |  |
|-----|------------|------|----------------------|--|--|--|--|
| 1   | 3234-4     | 6    | Screw-HHF            |  |  |  |  |
| 2   | 95-8809    | 1    | Trim-Seal            |  |  |  |  |
| 3   | 3296-42    | 6    | Nut-Lock             |  |  |  |  |
| 4   | 95-8724-03 | 1    | Screen-Hood          |  |  |  |  |
| 5   | 95-8935    | 1    | Hood ASM             |  |  |  |  |
| 6   | 95-8728    | 2    | Bracket-Pivot, Hood  |  |  |  |  |
| 7   | 3256-24    | 4    | Washer-Flat          |  |  |  |  |
| 8   | 59-9740    | 2    | Flex Draw Latch ASM  |  |  |  |  |
| 9   | 98-7310    | 4    | Rivet                |  |  |  |  |
| 10  | 3290-55    | 4    | Rivet-Pop            |  |  |  |  |
| 11  | 3269-10    | 4    | Washer-Back          |  |  |  |  |
| 12  | 99-3387    | 2    | Decal                |  |  |  |  |
| 13  | 323-4      | 4    | Screw-HH             |  |  |  |  |
| 14  | 3296-42    | 1    | Nut-Lock, Ce         |  |  |  |  |
| 15  | 3290-467   | 1    | Pin-Hair             |  |  |  |  |
| 16  | 3256-22    | 1    | Washer-Flat, Ce      |  |  |  |  |
| 17  | 99-3668    | 1    | Bracket-Hoodlock, Ce |  |  |  |  |
| 18  | 321-9      | 1    | Screw-HH, Ce         |  |  |  |  |



## Fuel System

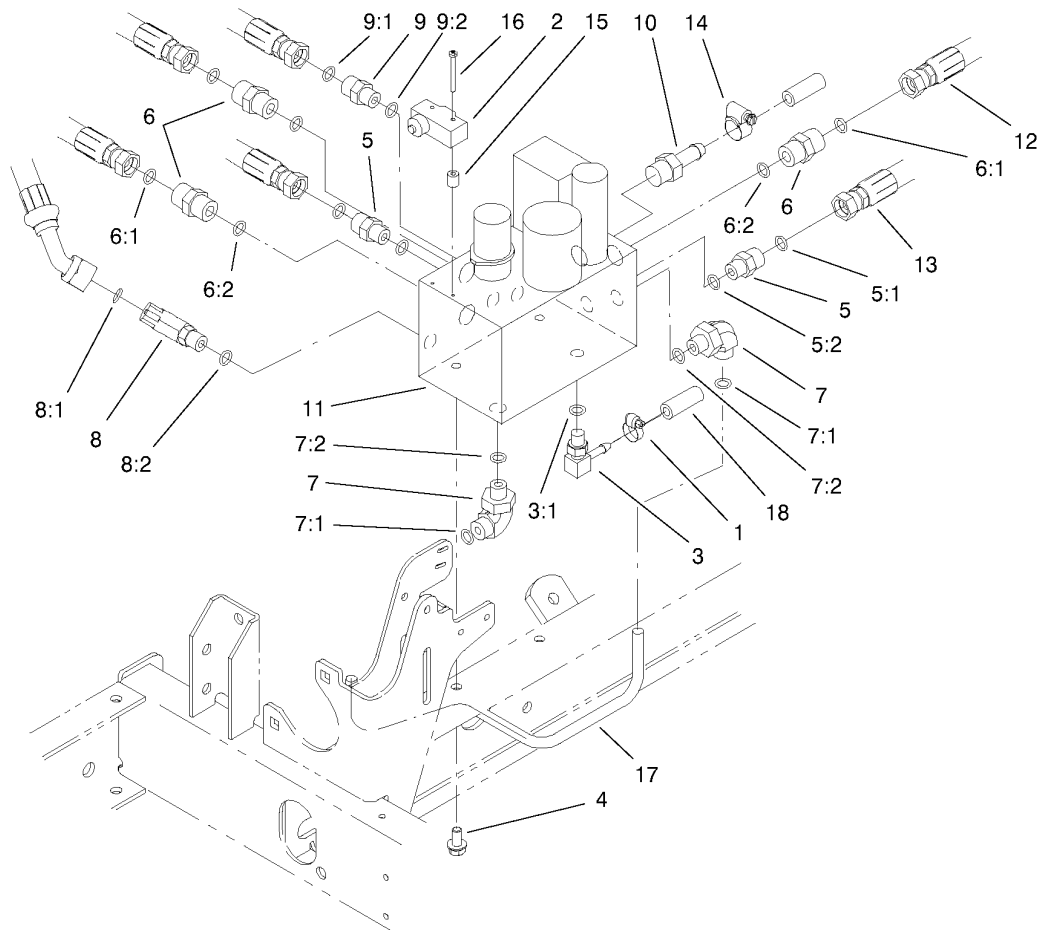
| Ref | Part No.   | Qty. | Description            |
|-----|------------|------|------------------------|
| 1   | 321-2      | 2    | Screw-HH               |
| 2   | 95-8620    | 1    | Tank-Fuel              |
| 2:1 | 95-8971    | 1    | Guage-Fuel             |
| 2:2 | 95-8972    | 1    | Grommet                |
| 3   | 95-8881    | 1    | Strap-Line, Fuel       |
| 4   | 32144-10   | 4    | Screw-HWH              |
| 5   | 95-4193    | 1    | Diesel Gas Cap ASM     |
| 6   | 95-8968-03 | 1    | Support-Tank, Fuel     |
| 9   | 46-6550    | 1    | Elbow-Connector, 90DEG |
| 10  | 66-8121    | 1    | Standpipe              |
| 11  | 2412-148   | 1    | Clamp-R                |
| 12  | 304-73     | 1    | Connector-Hose         |
| 13  | 321-9      | 2    | Screw-HH               |
| 14  | 32128-33   | 2    | Nut-HF                 |
| 15  | 3255-7     | 1    | Washer-Lock/EXT        |
| 16  | 3256-22    | 2    | Washer-Flat            |
| 17  | 354-20     | 1    | Fitting-Tee            |
| 18  | 354-21     | 1    | Fitting-Barb           |
| 19  | 354-22     | 1    | Fitting-Barb           |
| 20  | 46-6560    | 2    | Bushing                |
| 21  | 87-4710    | 2    | Spacer-Brake,Parking   |
| 22  | 2412-108   | 13   | Clamp-Worm             |
| 23  | 98-7612    | 1    | Filter-Fuel            |
| 24  | 98-9305    | 1    | Filter-Water/Fuel      |

| Ref  | Part No.   | Qty. | Description         |
|------|------------|------|---------------------|
| 25   | 353-783    | 2    | Fitting-Pump        |
| 26   | 3234-17    | 2    | Screw-HHF           |
| 27   | 32128-44   | 2    | Nut                 |
| 28   | 95-8731-03 | 2    | Strap-Support, Seat |
| 29   | 95-8896    | 2    | Foam                |
| 30   | 3234-1     | 4    | Screw-HHF           |
| 31   | 32148-9    | 2    | Nut-Insert          |
| 32   | 71-3380    | 1    | Hose-Fuel           |
| 33   | 99-3498    | 1    | Return-Line, Fuel   |
| 34   | 99-3185    | 1    | Line-Fuel           |
| 35   | 71-3383    | 1    | Hose-Fuel           |
| 36   | 19-3250    | 1    | Hose-Line, Fuel     |
| 37   | 63-9640    | 1    | Hose                |
| 38   | 99-3554    | 1    | Hose-Fuel           |
| 39   | 2412-73    | 1    | Clamp-R             |
| 40   | 99-3464    | 1    | Pump-Fuel           |
| ②*99 | 3290-379   | 2    | Tie-Cable           |



**Water / Fuel Filter Assembly No. 98-9305**

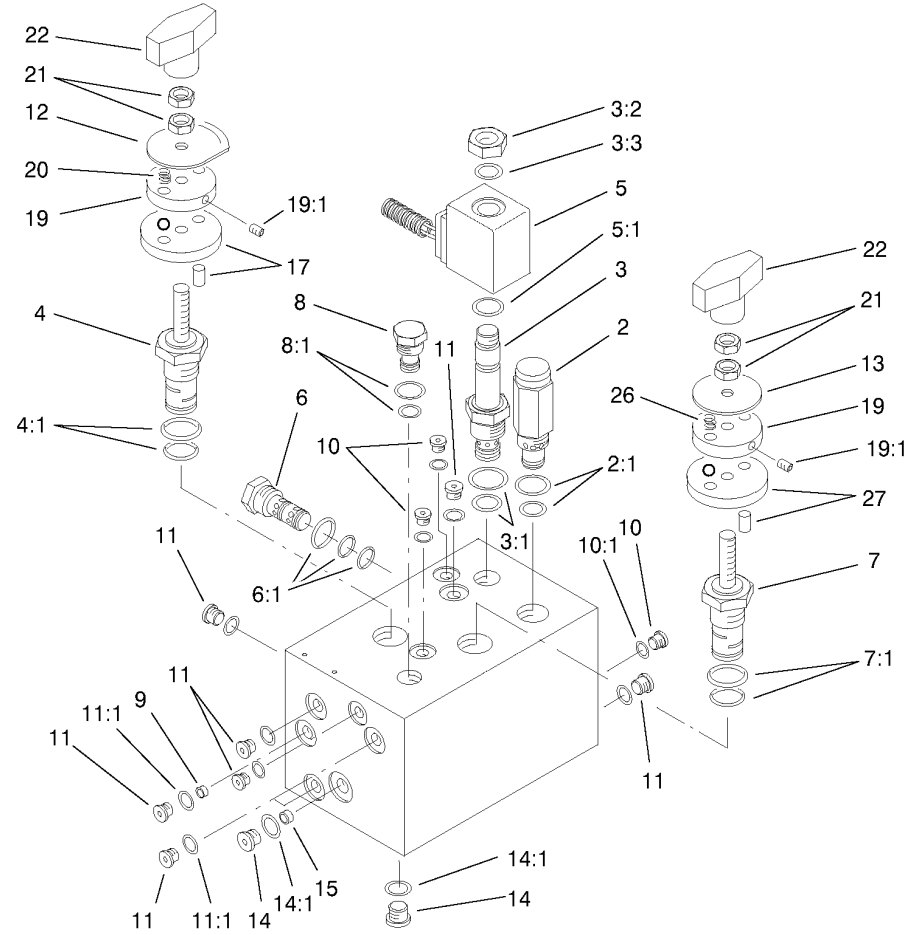
| Ref | Part No. | Qty. | Description         |  |  |  |  |
|-----|----------|------|---------------------|--|--|--|--|
| 1   | 98-9772  | 1    | Head-Filter         |  |  |  |  |
| 2   | 98-9764  | 1    | Element-On, Spin    |  |  |  |  |
| 3   | 98-9774  | 1    | O-Ring-Base, Filter |  |  |  |  |
| 4   | 98-9775  | 1    | Base-Filter         |  |  |  |  |
| 5   | 98-9773  | 1    | Plug-Base, Filter   |  |  |  |  |
| 6   | 237-42   | 1    | O-Ring              |  |  |  |  |
| 7   | 237-78   | 1    | O-Ring              |  |  |  |  |
| 8   | 98-9776  | 1    | Plug-Filter, Head   |  |  |  |  |
| 9   | 98-9777  | 1    | Drain Valve ASM     |  |  |  |  |



## Manifold Block Assembly

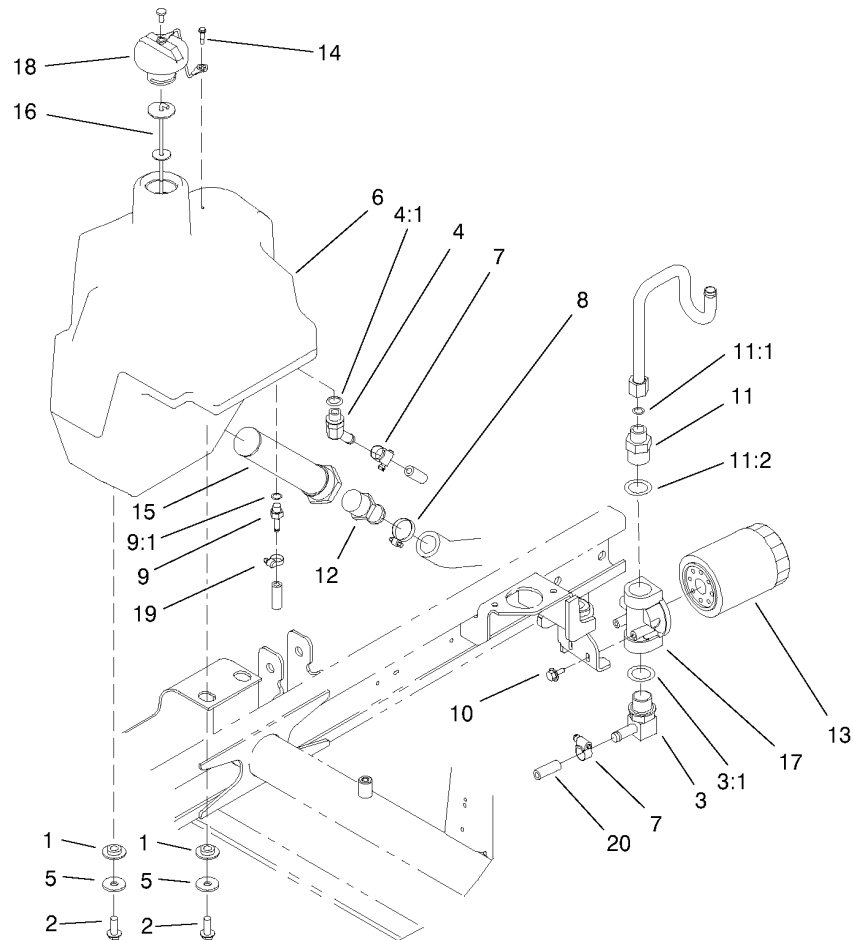
| Ref | Part No. | Qty. | Description                 |
|-----|----------|------|-----------------------------|
| 1   | 2412-108 | 1    | Clamp-Worm                  |
| 2   | 29-6162  | 1    | Switch-Micro                |
| 3   | 304-99   | 1    | Stem-Hose                   |
| 3:1 | 237-78   | 1    | O-Ring                      |
| 4   | 3234-5   | 2    | Screw-HHF                   |
| 5   | 340-2    | 2    | Adapter                     |
| 5:1 | 237-22   | 1    | O-Ring                      |
| 5:2 | 237-42   | 1    | O-Ring                      |
| 6   | 340-4    | 3    | Adapter                     |
| 6:1 | 237-30   | 1    | O-Ring                      |
| 6:2 | 237-79   | 1    | O-Ring                      |
| 7   | 340-77   | 2    | Fitting-HYD., 90°           |
| 7:1 | 237-22   | 1    | O-Ring                      |
| 7:2 | 237-42   | 1    | O-Ring                      |
| 8   | 340-87   | 1    | Fitting-Hydraulic, 45°      |
| 8:1 | 237-22   | 1    | O-Ring                      |
| 8:2 | 237-42   | 1    | O-Ring                      |
| 9   | 340-88   | 1    | Adapter                     |
| 9:1 | 237-22   | 1    | O-Ring                      |
| 9:2 | 237-78   | 1    | O-Ring                      |
| 10  | 354-121  | 1    | Fitting-Hydraulic, Straight |
| 11  | 95-8675  | 1    | Manifold-Hydraulic          |
| 12  | 95-8829  | 1    | Hose ASM                    |
| 13  | 95-8830  | 1    | Hose ASM                    |

| Ref  | Part No. | Qty. | Description    |
|------|----------|------|----------------|
| 14   | 2412-36  | 1    | Clamp-Hose     |
| 15   | 95-8762  | 2    | Spacer         |
| 16   | 3250-46  | 2    | Screw-PPH      |
| 17   | 95-8792  | 1    | Tube ASM       |
| 18   | 66-8160  | 1    | Hose-Hydraulic |
| ②*99 | 3290-378 | 3    | Tie-Cable      |
| ②*99 | 3290-379 | 4    | Tie-Cable      |



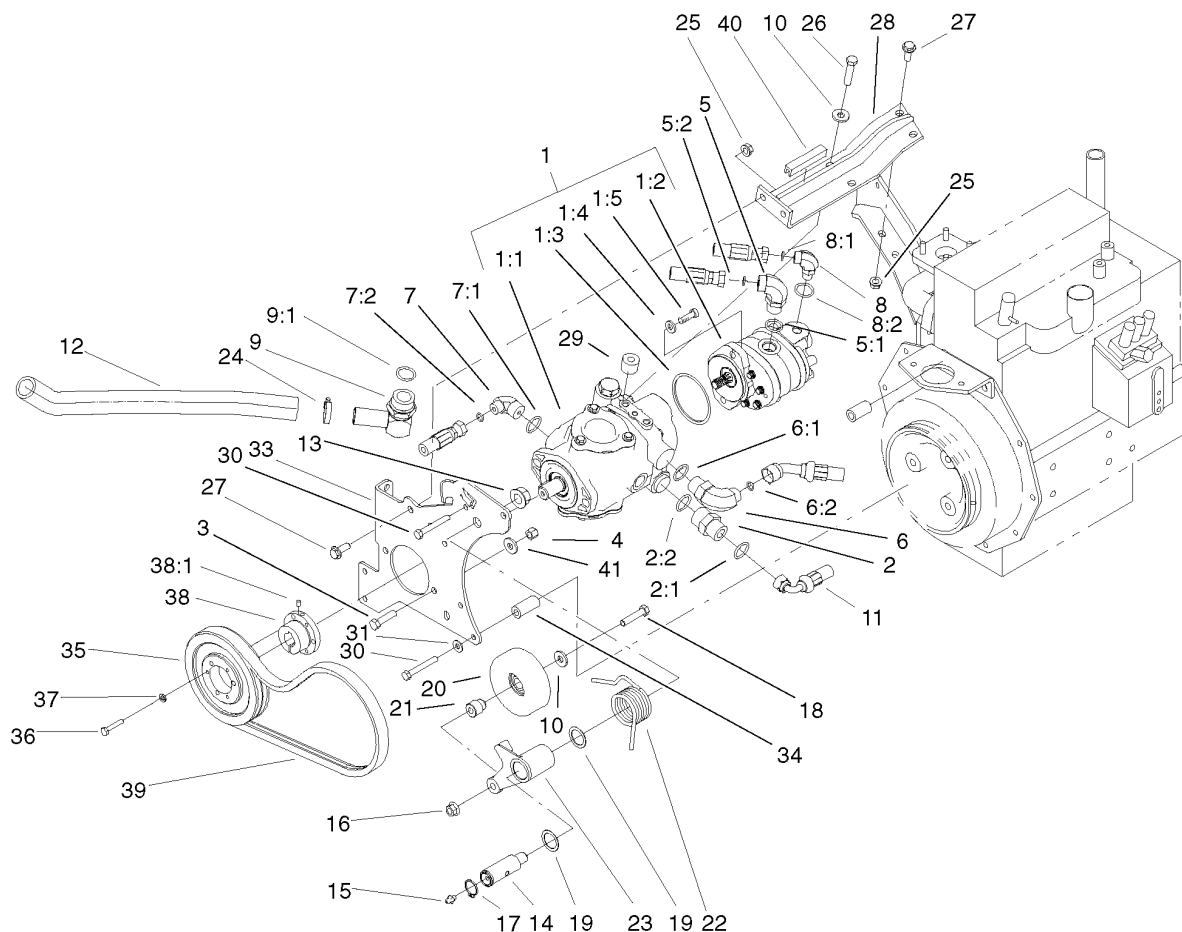
**Hydraulic Manifold Assembly No. 95-8675**

| Ref  | Part No. | Qty. | Description            | Ref  | Part No. | Qty. | Description    |
|------|----------|------|------------------------|------|----------|------|----------------|
| 2    | 94-3655  | 1    | Valve-Relief           | 14:1 | 237-42   | 1    | O-Ring         |
| 2:1  | 75-2080  | 1    | Kit-Seal               | 15   | 99-3544  | 1    | Plug           |
| 3    | 93-7494  | 1    | Cartridge              | 17   | 94-5021  | 1    | Plate-Locating |
| 3:1  | 75-2080  | 1    | Kit-Seal               | 19   | 94-5023  | 2    | Plate-Detent   |
| 3:2  | 69-4300  | 1    | Nut                    | 19:1 | 3245-36  | 1    | Screw-HSH      |
| 3:3  | 94-5438  | 1    | Seal-Solenoid          | 20   | 94-5024  | 2    | Spring         |
| 4    | 94-3657  | 1    | Spool ASM              | 21   | 3218-1   | 4    | Nut-Jam        |
| 4:1  | 94-3661  | 1    | Kit-Seal, 4-Way        | 22   | 94-5020  | 2    | Knob ASM       |
| 5    | 83-2010  | 1    | Coil-Valve             | 26   | 94-5027  | 2    | Spring         |
| 5:1  | 94-5438  | 1    | Seal-Solenoid          | 27   | 94-5025  | 1    | Plate-Locating |
| 6    | 69-4120  | 1    | Cartridge-Logic        |      |          |      |                |
| 6:1  | 69-4240  | 1    | Kit-Seal               |      |          |      |                |
| 7    | 94-3659  | 1    | Control-Flow, Rotary   |      |          |      |                |
| 7:1  | 75-2080  | 1    | Kit-Seal               |      |          |      |                |
| 8    | 99-3542  | 1    | Cartridge-Plug, Cavity |      |          |      |                |
| 8:1  | 69-4240  | 1    | Kit-Seal               |      |          |      |                |
| 9    | 95-5999  | 2    | Plug-Orifice           |      |          |      |                |
| 10   | 353-991  | 4    | Plug-Hex, Hollow       |      |          |      |                |
| 10:1 | 237-156  | 1    | O-Ring                 |      |          |      |                |
| 11   | 353-990  | 12   | Plug                   |      |          |      |                |
| 11:1 | 237-78   | 1    | O-Ring                 |      |          |      |                |
| 12   | 99-3543  | 1    | Plate-Indicator        |      |          |      |                |
| 13   | 94-5026  | 1    | Plate-Indicator        |      |          |      |                |
| 14   | 353-989  | 3    | Plug-Hex, Hollow       |      |          |      |                |



## Hydraulic Tank Assembly

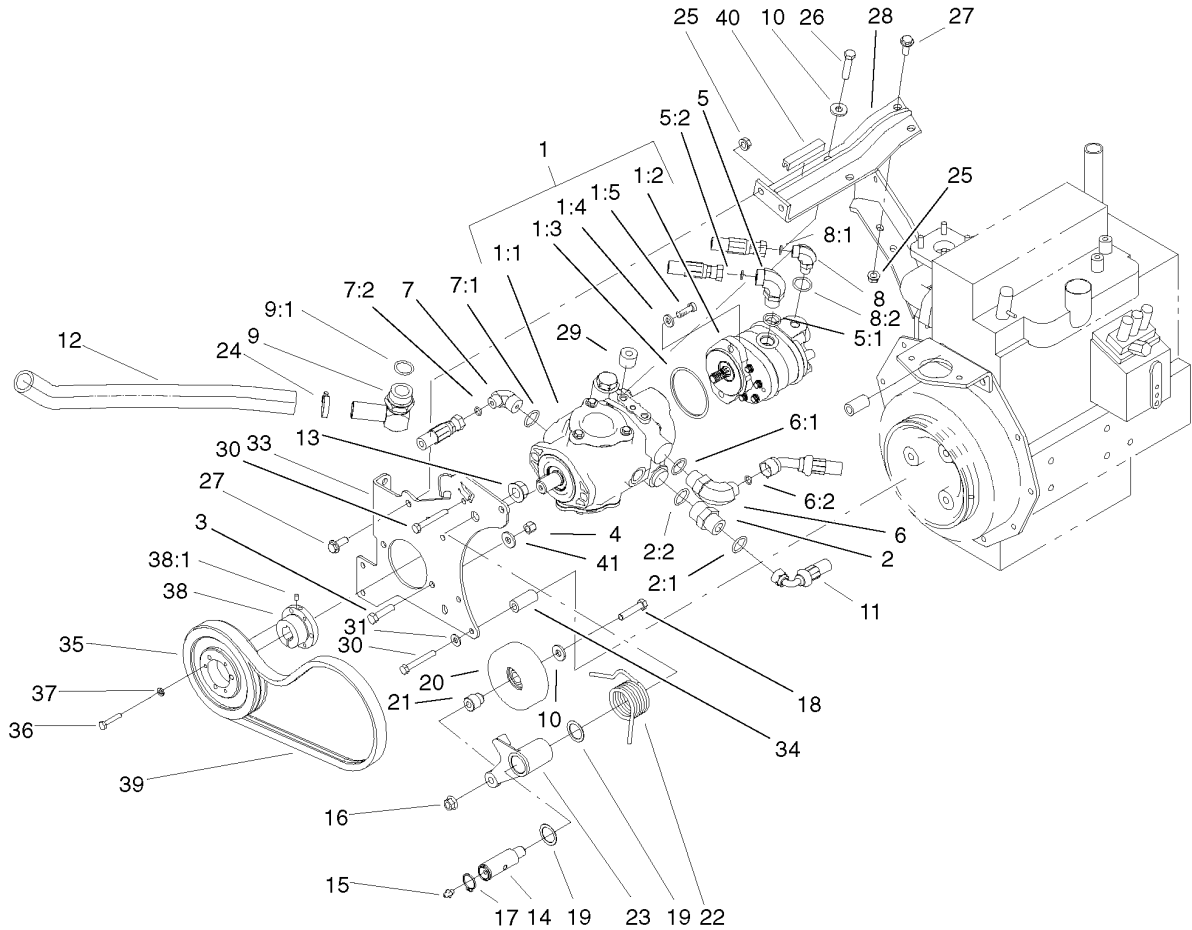
| Ref  | Part No. | Qty. | Description              | Ref  | Part No. | Qty. | Description |
|------|----------|------|--------------------------|------|----------|------|-------------|
| 1    | 240-11   | 4    | Grommet-Mount, Tank      | 20   | 99-3501  | 1    | Hose        |
| 2    | 3234-11  | 4    | Screw-HHF                | 2*99 | 3290-379 | 1    | Tie-Cable   |
| 3    | 95-8814  | 1    | Fitting-Barb, 90Ø        |      |          |      |             |
| 3:1  | 237-81   | 1    | O-Ring                   |      |          |      |             |
| 4    | 354-126  | 1    | Fitting-HYD, 45Ø         |      |          |      |             |
| 4:1  | 237-79   | 1    | O-Ring                   |      |          |      |             |
| 5    | 63-8410  | 4    | Washer                   |      |          |      |             |
| 6    | 95-8708  | 1    | Tank-Hydraulic           |      |          |      |             |
| 7    | 2412-36  | 2    | Clamp-Hose               |      |          |      |             |
| 8    | 2412-34  | 1    | Clamp-Hose               |      |          |      |             |
| 9    | 95-8849  | 1    | Fitting-Straight         |      |          |      |             |
| 9:1  | 237-78   | 1    | O-Ring                   |      |          |      |             |
| 10   | 3234-13  | 2    | Screw-HHF                |      |          |      |             |
| 11   | 340-8    | 1    | Adapter                  |      |          |      |             |
| 11:1 | 237-65   | 1    | O-Ring                   |      |          |      |             |
| 11:2 | 237-81   | 1    | O-Ring                   |      |          |      |             |
| 12   | 353-682  | 1    | Fitting-Hose             |      |          |      |             |
| 13   | 54-0110  | 1    | Filter-Oil, Transmission |      |          |      |             |
| 14   | 57-5420  | 1    | Screw-Shoulder           |      |          |      |             |
| 15   | 75-0550  | 1    | Suction-Strainer         |      |          |      |             |
| 16   | 75-3710  | 1    | Dipstick                 |      |          |      |             |
| 17   | 92-5821  | 1    | Filter Head ASM          |      |          |      |             |
| 18   | 93-7160  | 1    | Cap-Oil, Hydraulic       |      |          |      |             |
| 19   | 2412-108 | 1    | Clamp-Worm               |      |          |      |             |



## Hydrostat Assembly

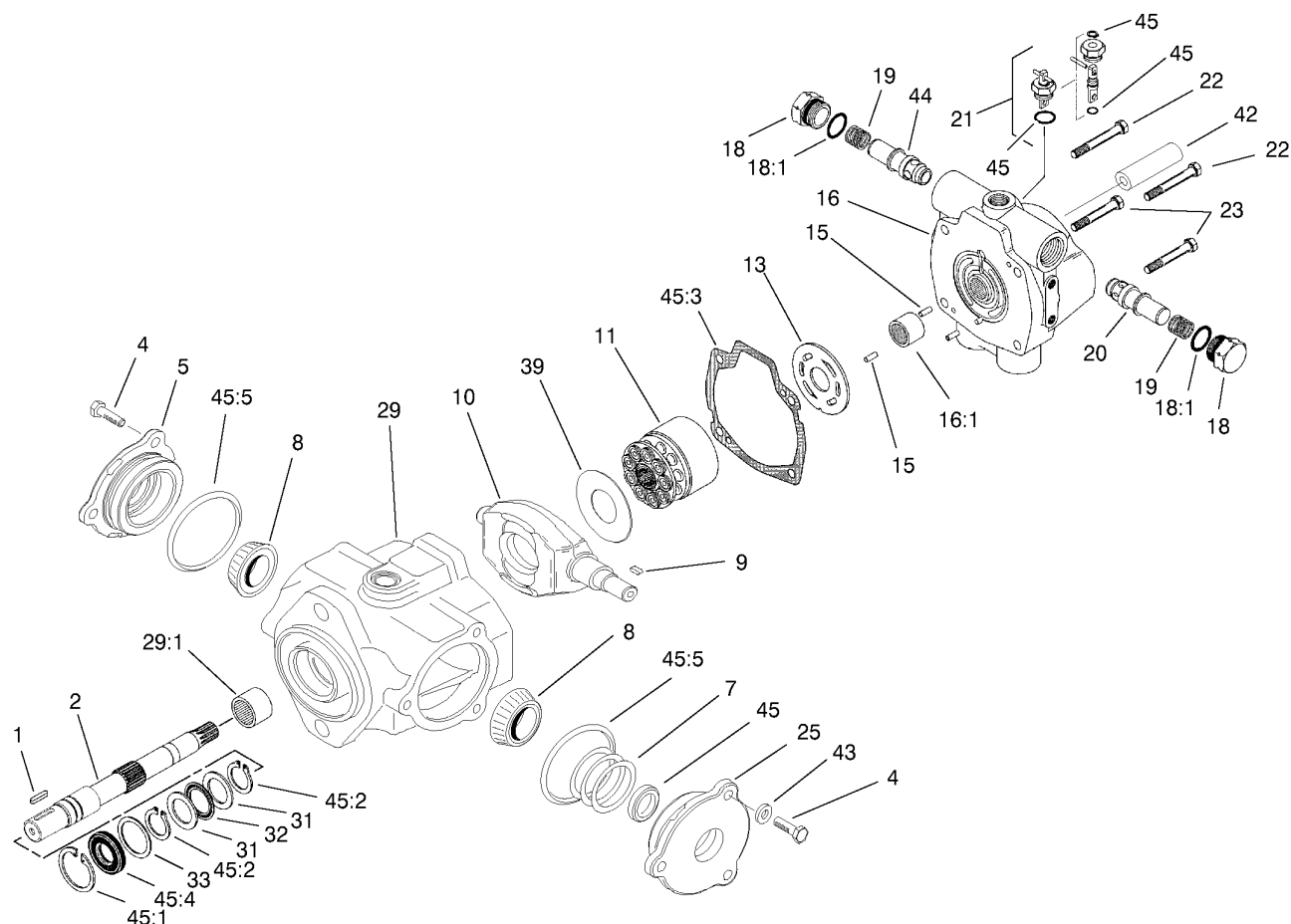
| Ref | Part No. | Qty. | Description        |
|-----|----------|------|--------------------|
| 1   |          | 1    | Hydraulic Pump ASM |
| 1:1 | 104-0428 | 1    | Pump-Piston        |
| 1:2 | 95-8601  | 1    | Pump-Gear          |
| 1:3 | 60-3520  | 1    | O-Ring             |
| 1:4 | 3256-24  | 2    | Washer-Flat        |
| 1:5 | 3274-1   | 2    | Screw-HSH          |
| 2   | 340-8    | 1    | Adapter            |
| 2:1 | 237-65   | 1    | O-Ring             |
| 2:2 | 237-81   | 1    | O-Ring             |
| 3   | 323-8    | 2    | Screw-HH           |
| 4   | 3296-39  | 2    | Nut-Lock, NI       |
| 5   | 340-105  | 1    | Fitting-HYD., 90°  |
| 5:1 | 237-80   | 1    | O-Ring             |
| 5:2 | 237-30   | 1    | O-Ring             |
| 6   | 340-139  | 1    | Fitting-90°        |
| 6:1 | 237-81   | 1    | O-Ring             |
| 6:2 | 237-65   | 1    | O-Ring             |
| 7   | 340-18   | 1    | Fitting            |
| 7:1 | 237-79   | 1    | O-Ring             |
| 7:2 | 237-22   | 1    | O-Ring             |
| 8   | 340-77   | 1    | Fitting-HYD., 90°  |
| 8:1 | 237-22   | 1    | O-Ring             |
| 8:2 | 237-42   | 1    | O-Ring             |
| 9   | 56-9530  | 1    | Fitting            |

| Ref | Part No.   | Qty. | Description           |
|-----|------------|------|-----------------------|
| 9:1 | 237-117    | 1    | O-Ring                |
| 10  | 80-6990    | 3    | Washer-Hardened       |
| 11  | 95-8834    | 1    | Hose ASM              |
| 12  | 95-8956    | 1    | Hose-Suction          |
| 13  | 32128-54   | 1    | Nut-Flange            |
| 14  | 95-8918    | 1    | Pin-Pivot, Idler      |
| 15  | 302-5      | 1    | Fitting-Lube          |
| 16  | 32128-21   | 1    | Nut-HF                |
| 17  | 32151-36   | 1    | Ring-Retaining        |
| 18  | 323-10     | 1    | Screw-HH              |
| 19  | 74-1810    | 2    | Washer                |
| 20  | 95-8802    | 1    | Pulley-Idler          |
| 21  | 95-8806    | 1    | Spacer                |
| 22  | 95-8917    | 1    | Spring-Torsion        |
| 23  | 95-8957    | 1    | Idler Arm ASM         |
| 24  | 2412-34    | 1    | Clamp-Hose            |
| 25  | 32128-43   | 4    | Nut-Flange            |
| 26  | 323-19     | 2    | Screw-HH              |
| 27  | 3234-11    | 4    | Screw-HHF             |
| 28  | 99-3436-03 | 1    | Support-Pump          |
| 29  | 99-3440    | 2    | Spacer                |
| 30  | 33114-060  | 4    | Screw-HH              |
| 31  | 87-8640    | 3    | Washer-Flat, Hardened |
| 33  | 95-8933-03 | 1    | Plate-Mount, Pump     |



Hydrostat Assembly (continued)

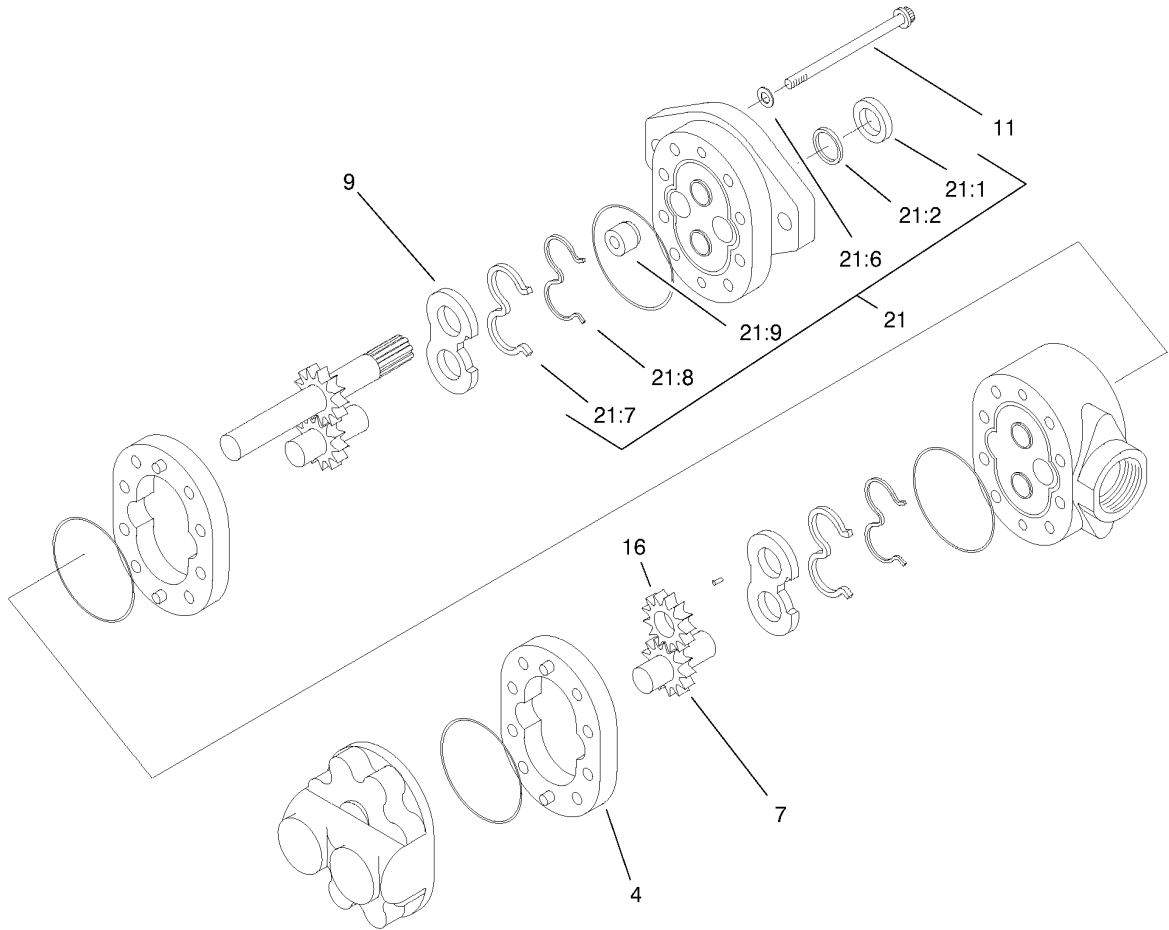
| Ref  | Part No. | Qty. | Description         |  |  |  |  |
|------|----------|------|---------------------|--|--|--|--|
| 34   | 95-8941  | 4    | Spacer-Mount, Pump  |  |  |  |  |
| 35   | 93-6841  | 1    | Pulley              |  |  |  |  |
| 36   | 321-13   | 3    | Screw-HH            |  |  |  |  |
| 37   | 3253-3   | 3    | Washer-Lock/Sp      |  |  |  |  |
| 38   | 93-6842  | 1    | Bushing-Lock, Taper |  |  |  |  |
| 38:1 | 3245-36  | 1    | Screw-HSH           |  |  |  |  |
| 39   | 95-8730  | 1    | V-Belt              |  |  |  |  |
| 40   | 70-2041  | 1    | Trim                |  |  |  |  |
| 41   | 100-4852 | 2    | Washer-Hardened     |  |  |  |  |
| 2*99 | 3290-379 | 1    | Tie-Cable           |  |  |  |  |



## Piston Pump Assembly No. 104-0428

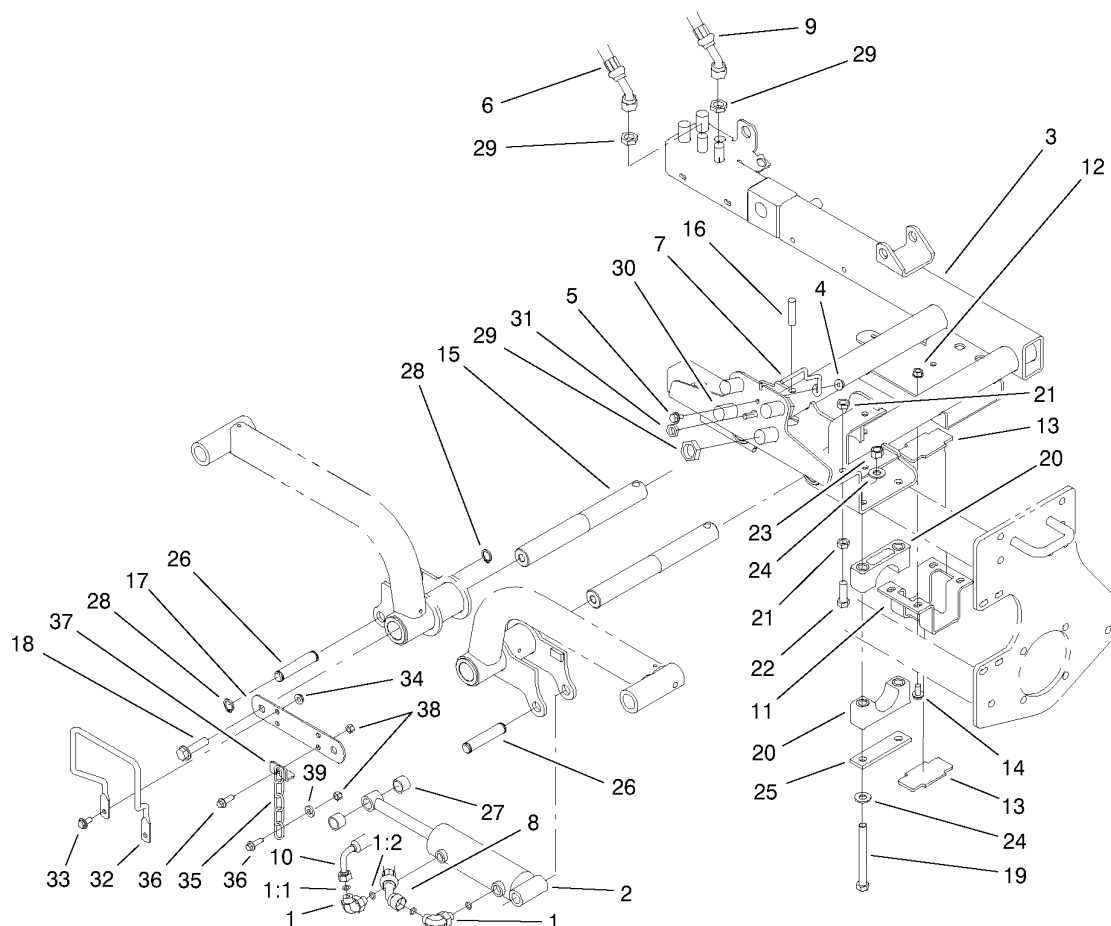
| Ref  | Part No. | Qty. | Description      |
|------|----------|------|------------------|
| 1    | 94-3645  | 1    | Key              |
| 2    | 94-6359  | 1    | Shaft-Drive      |
| 4    | 98-4640  | 6    | Screw-Cap        |
| 5    | 98-4633  | 1    | Cover Plate ASM  |
| 7    | 100-3182 | 1    | Kit-Shim         |
| 8    | 98-4639  | 2    | Bearing-Cone     |
| 9    | 94-3646  | 1    | Key              |
| 10   | 99-3520  | 1    | Plate-Cam        |
| 11   | 76-6070  | 1    | Rotating Kit ASM |
| 13   | 104-0429 | 1    | Plate-Cam        |
| 15   | 76-6150  | 2    | Pin-Dowel        |
| 16   | 100-3177 | 1    | Back Plate ASM   |
| 16:1 | 94-6368  | 1    | Bearing          |
| 18   | 70-1240  | 2    | Plug ASM         |
| 18:1 | 60-5980  | 1    | O-Ring           |
| 19   | 76-6200  | 2    | Spring           |
| 20   | 94-3644  | 1    | Seat             |
| 21   | 100-3181 | 1    | Dump Valve ASM   |
| 22   | 76-6170  | 2    | Capscrew         |
| 23   | 76-6160  | 2    | Capscrew         |
| 25   | 98-4645  | 1    | Cover Plate ASM  |
| 29   | 100-3176 | 1    | Housing ASM      |
| 29:1 | 94-6363  | 1    | Bearing          |
| 31   | 252-71   | 2    | Bearing-Thrust   |

| Ref  | Part No. | Qty. | Description         |
|------|----------|------|---------------------|
| 32   | 252-66   | 1    | Bearing-Thrust      |
| 33   | 33-3720  | 1    | Washer              |
| 39   | 98-4635  | 1    | Insert-Plate, Cam   |
| 42   | 74-9040  | 1    | Coupler             |
| 43   | 95-6055  | 6    | Washer              |
| 44   | 99-3521  | 1    | Relief Valve ASM    |
| 45   | 98-4636  | 1    | Kit-Repair, Seal    |
| 45:1 | 32151-13 | 1    | Ring-Snap, Internal |
| 45:2 | 32151-29 | 1    | Ring-Snap, External |
| 45:3 | 33-4930  | 1    | Gasket-Housing      |
| 45:4 | 42-2720  | 1    | Seal-External       |
| 45:5 | 100-3179 | 1    | O-Ring              |



**Gear Pump Assembly No. 95-8601**

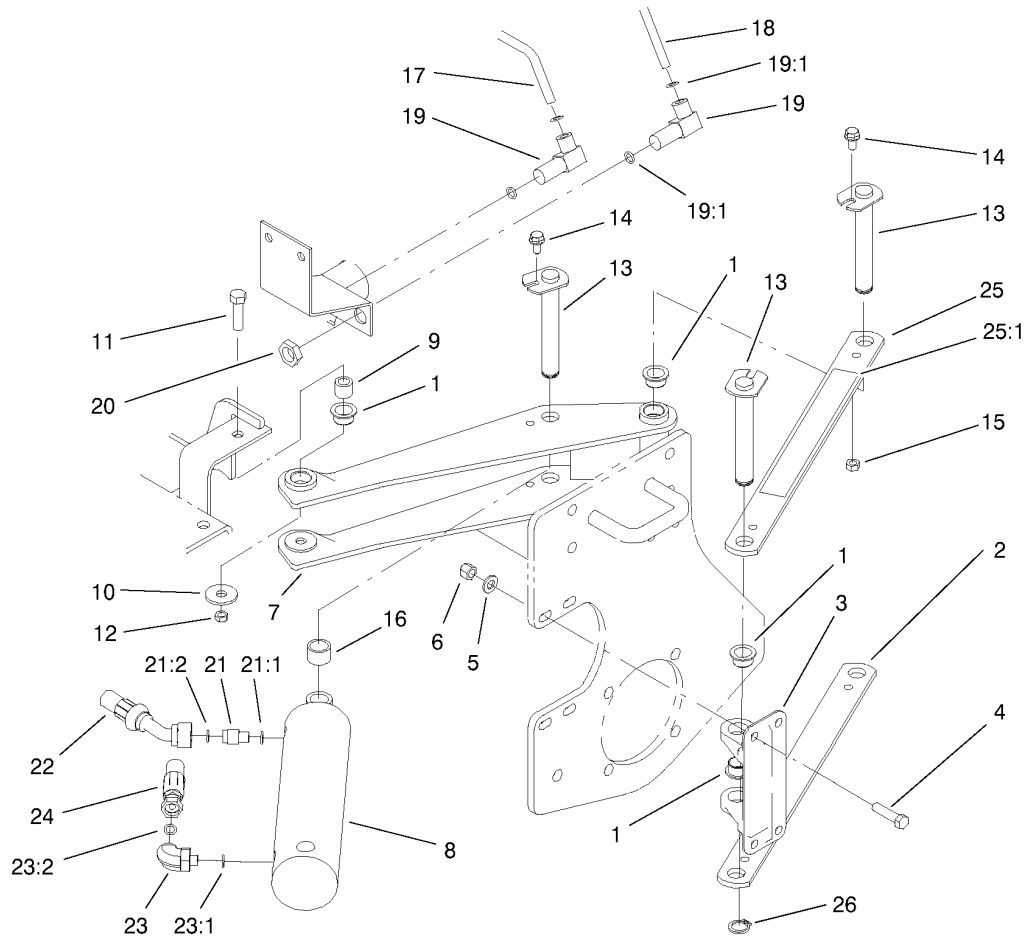
| Ref  | Part No. | Qty. | Description      |  |  |  |  |
|------|----------|------|------------------|--|--|--|--|
| 4    | 95-4364  | 1    | Body             |  |  |  |  |
| 7    | 95-4366  | 1    | Gear-Idler       |  |  |  |  |
| 9    | 95-4368  | 2    | Plate-Wear       |  |  |  |  |
| 11   | 94-8158  | 8    | Screw-Cap        |  |  |  |  |
| 16   | 95-4373  | 1    | Gear-Fit, Slip   |  |  |  |  |
| 21   | 94-8161  | 1    | Kit-Repair, Seal |  |  |  |  |
| 21:1 | 49-2640  | 1    | Seal-Shaft       |  |  |  |  |
| 21:2 | 60-5890  | 1    | Washer           |  |  |  |  |
| 21:6 | 94-8160  | 4    | Washer           |  |  |  |  |
| 21:7 | 95-4369  | 2    | Seal             |  |  |  |  |
| 21:8 | 95-4367  | 2    | Gasket-Back-Up   |  |  |  |  |
| 21:9 | 94-3011  | 1    | Plug             |  |  |  |  |



## Carrier Assembly

| Ref | Part No.    | Qty. | Description          |
|-----|-------------|------|----------------------|
| 1   | 340-77      | 2    | Fitting-HYD., 90°    |
| 1:1 | 237-22      | 1    | O-Ring               |
| 1:2 | 237-42      | 1    | O-Ring               |
| 2   | 95-8978     | 1    | Cylinder-Hydraulic   |
| 3   | 100-4930-03 | 1    | Carrier ASM          |
| 4   | 32128-33    | 1    | Nut-HF               |
| 5   | 3234-4      | 1    | Screw-HHF            |
| 6   | 95-8822     | 1    | Hose ASM             |
| 7   | 99-3433     | 1    | Wire-Center          |
| 8   | 99-3439     | 1    | Hose ASM             |
| 9   | 95-8821     | 1    | Hose ASM             |
| 10  | 95-8840     | 1    | Hose ASM             |
| 11  | 95-8519-03  | 1    | Bracket-Slide        |
| 12  | 32128-43    | 4    | Nut-Flange           |
| 13  | 95-8538     | 2    | Slide-Plastic        |
| 14  | 3234-1      | 4    | Screw-HHF            |
| 15  | 95-8531     | 2    | Shaft-Pivot, Liftarm |
| 16  | 32121-122   | 2    | Pin-Roll             |
| 17  | 95-8532-03  | 1    | Link-Shaft, Pivot    |
| 18  | 3234-27     | 2    | Screw-Flange         |
| 19  | 325-38      | 8    | Screw-HH             |
| 20  | 95-8609     | 8    | Cap-Bearing          |
| 21  | 3218-5      | 4    | Nut-Jam              |
| 22  | 325-6       | 2    | Screw-HH             |

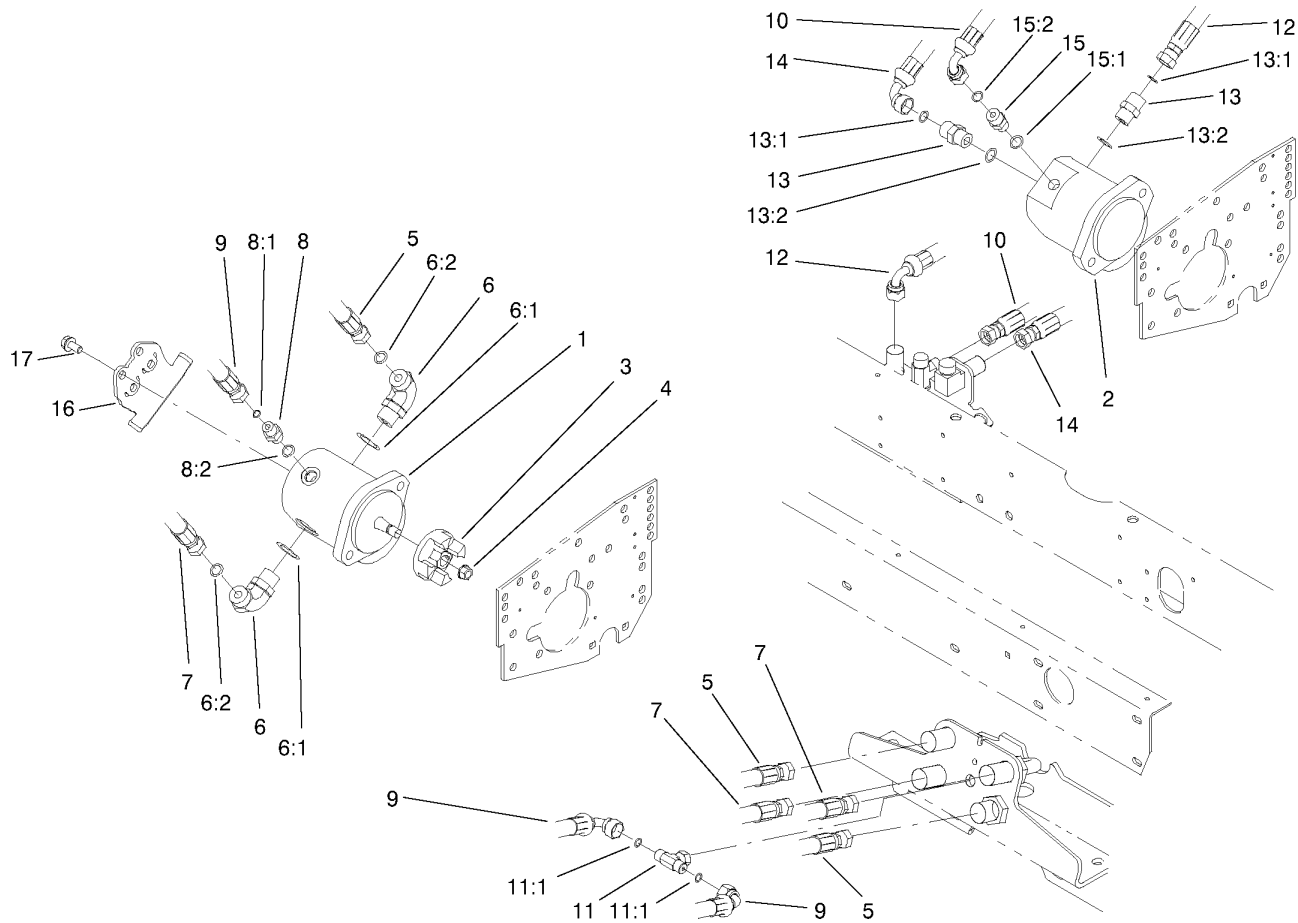
| Ref  | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 23   | 3296-23  | 8    | Nut-Lock, NI          |
| 24   | 87-7270  | 16   | Washer-Thrust         |
| 25   | 99-3373  | 4    | Bar-Support, Slide    |
| 26   | 95-8575  | 2    | Pin                   |
| 27   | 75-9590  | 2    | Spacer-Cylinder       |
| 28   | 32120-93 | 4    | Ring-Retaining        |
| 29   | 340-74   | 4    | Locknut-Bulkhead      |
| 30   | 94-1319  | 1    | Tube-Hydraulic        |
| 31   | 340-78   | 1    | Locknut-Bulkhead      |
| 32   | 99-3492  | 1    | Rod-Formed, Hoseguard |
| 33   | 3234-5   | 2    | Screw-HHF             |
| 34   | 32128-44 | 2    | Nut                   |
| 35   | 98-7981  | 2    | Chain-Link, Straight  |
| 36   | 3234-17  | 4    | Screw-HHF             |
| 37   | 99-3550  | 2    | Clip-Link             |
| 38   | 3296-29  | 4    | Nut-Lock, NI          |
| 39   | 3256-23  | 2    | Washer-Flat           |
| ②*99 | 3290-378 | 1    | Tie-Cable             |
| ②*99 | 3290-379 | 3    | Tie-Cable             |



## Scissors Assembly

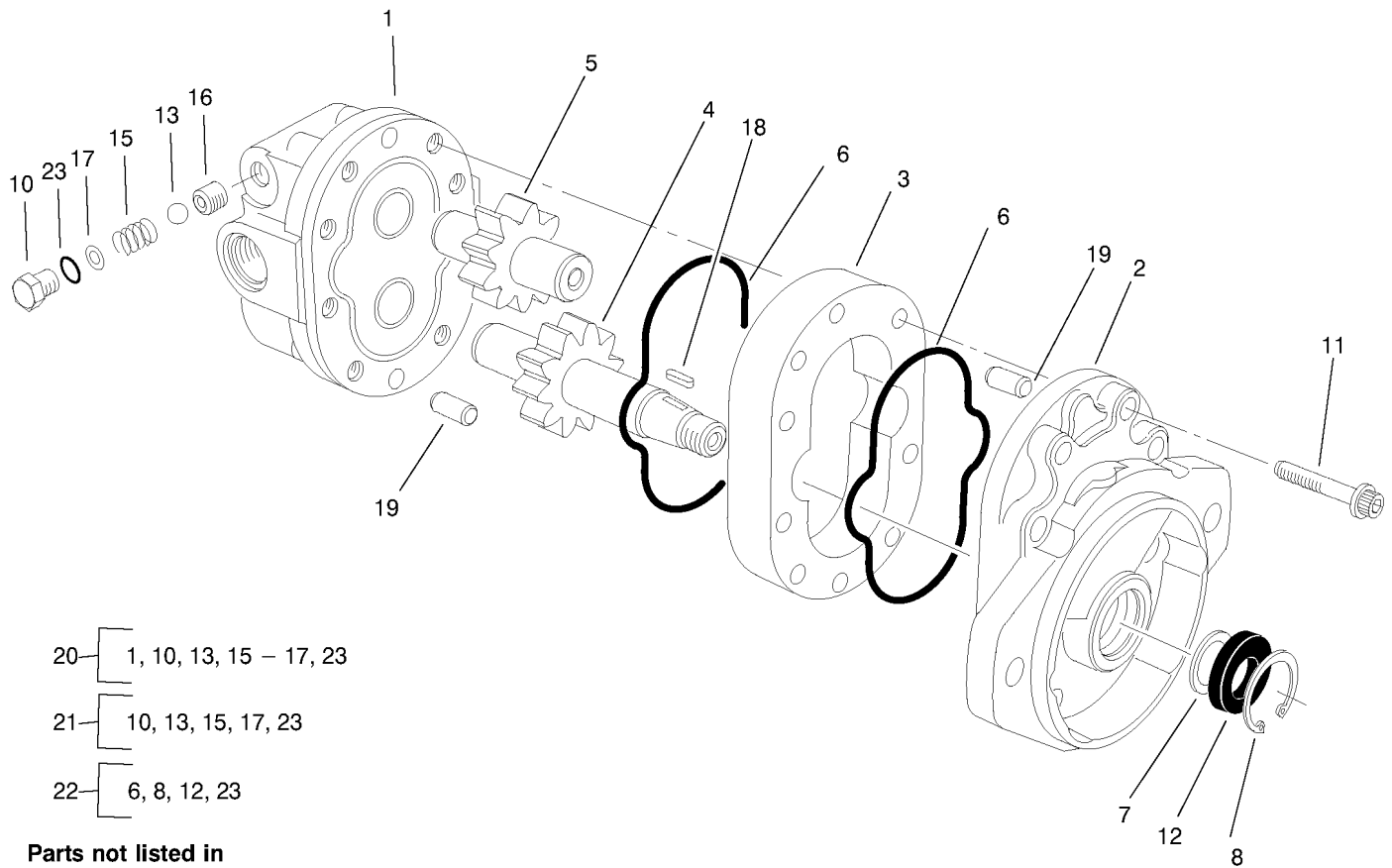
| Ref  | Part No.   | Qty. | Description        |
|------|------------|------|--------------------|
| 1    | 95-8526    | 6    | Bushing-Plastic    |
| 2    | 95-8527-03 | 1    | Link-Scissor       |
| 3    | 95-8883    | 1    | Mount-Scissor      |
| 4    | 323-7      | 4    | Screw-HH           |
| 5    | 3256-24    | 4    | Washer-Flat        |
| 6    | 3296-39    | 4    | Nut-Lock, NI       |
| 7    | 95-8521-03 | 1    | Frame-Scissor      |
| 8    | 95-8512    | 1    | Cylinder-Hydraulic |
| 9    | 95-8603    | 2    | Spacer             |
| 10   | 87-5330    | 2    | Washer             |
| 11   | 324-6      | 2    | Screw-HH           |
| 12   | 3296-48    | 2    | Nut-Lock NI        |
| 13   | 95-8529    | 3    | Pin                |
| 14   | 3234-14    | 3    | Screw-HHF          |
| 15   | 32152-1    | 3    | Nut-Lock, NI       |
| 16   | 46-6350    | 2    | Spacer             |
| 17   | 95-8790    | 1    | Tube ASM           |
| 18   | 95-8791    | 1    | Tube ASM           |
| 19   | 340-154    | 2    | Union-Bulkhead     |
| 19:1 | 237-22     | 2    | O-Ring             |
| 20   | 340-70     | 2    | Locknut-Bulkhead   |
| 21   | 85-9720    | 1    | Fitting-Orificed   |
| 21:1 | 237-78     | 1    | O-Ring             |
| 21:2 | 237-21     | 1    | O-Ring             |

| Ref  | Part No. | Qty. | Description        |
|------|----------|------|--------------------|
| 22   | 95-8838  | 1    | Hose ASM           |
| 23   | 340-132  | 1    | Elbow-90°          |
| 23:1 | 237-78   | 1    | O-Ring             |
| 23:2 | 237-21   | 1    | O-Ring             |
| 24   | 95-8839  | 1    | Hose ASM           |
| 25   | 99-3505  | 1    | Link-Scissor       |
| 25:1 | 94-3353  | 1    | Decal-Point, Pinch |
| 26   | 32120-93 | 2    | Ring-Retaining     |
| ②*99 | 3334-945 | 1    | Tie-Cable          |



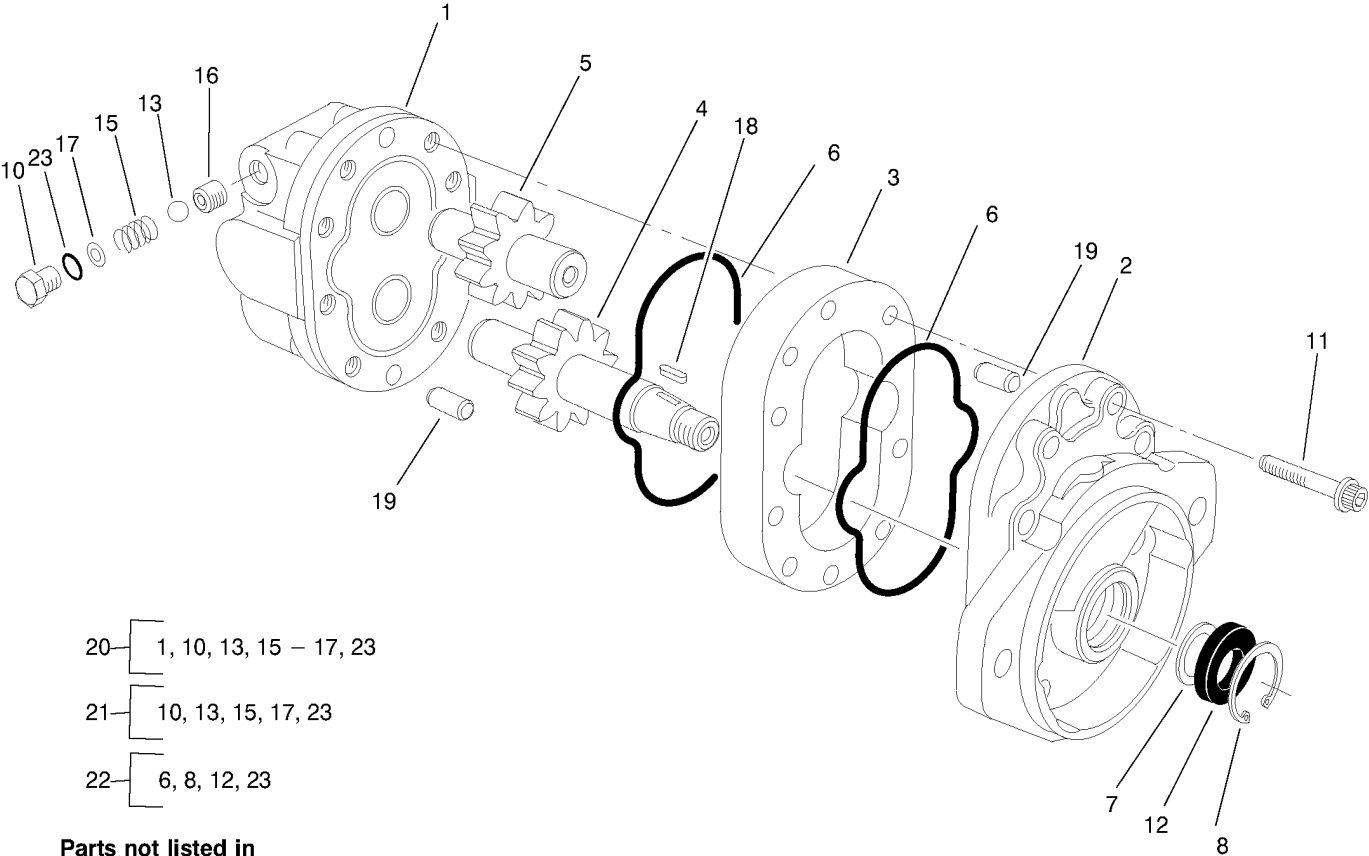
Reel Motor Assembly

| Ref  | Part No. | Qty. | Description         | Ref | Part No.    | Qty. | Description       |
|------|----------|------|---------------------|-----|-------------|------|-------------------|
| 1    | 99-3627  | 1    | Motor-Gear          | 16  | 100-4846-03 | 2    | Plate-Skid, Motor |
| 2    | 93-6975  | 1    | Motor-Gear          | 17  | 3234-14     | 8    | Screw-HHF         |
| 3    | 93-8823  | 3    | Coupler-Motor, Reel |     |             |      |                   |
| 4    | 32128-48 | 3    | Nut-HHF             |     |             |      |                   |
| 5    | 95-8836  | 2    | Hose ASM            |     |             |      |                   |
| 6    | 340-105  | 4    | Fitting-HYD., 90Ø   |     |             |      |                   |
| 6:1  | 237-80   | 2    | O-Ring              |     |             |      |                   |
| 6:2  | 237-30   | 2    | O-Ring              |     |             |      |                   |
| 7    | 95-8835  | 2    | Hose ASM            |     |             |      |                   |
| 8    | 340-1    | 2    | Adapter             |     |             |      |                   |
| 8:1  | 237-35   | 2    | O-Ring              |     |             |      |                   |
| 8:2  | 237-42   | 2    | O-Ring              |     |             |      |                   |
| 9    | 95-8837  | 2    | Hose ASM            |     |             |      |                   |
| 10   | 95-8828  | 1    | Hose ASM            |     |             |      |                   |
| 11   | 99-3477  | 1    | Fitting-Tee         |     |             |      |                   |
| 11:1 | 237-42   | 2    | O-Ring              |     |             |      |                   |
| 12   | 95-8826  | 1    | Hose ASM            |     |             |      |                   |
| 13   | 340-6    | 2    | Fitting-Straight    |     |             |      |                   |
| 13:1 | 237-30   | 1    | O-Ring              |     |             |      |                   |
| 13:2 | 237-80   | 1    | O-Ring              |     |             |      |                   |
| 14   | 95-8827  | 1    | Hose ASM            |     |             |      |                   |
| 15   | 340-2    | 1    | Adapter             |     |             |      |                   |
| 15:1 | 237-22   | 1    | O-Ring              |     |             |      |                   |
| 15:2 | 237-42   | 1    | O-Ring              |     |             |      |                   |



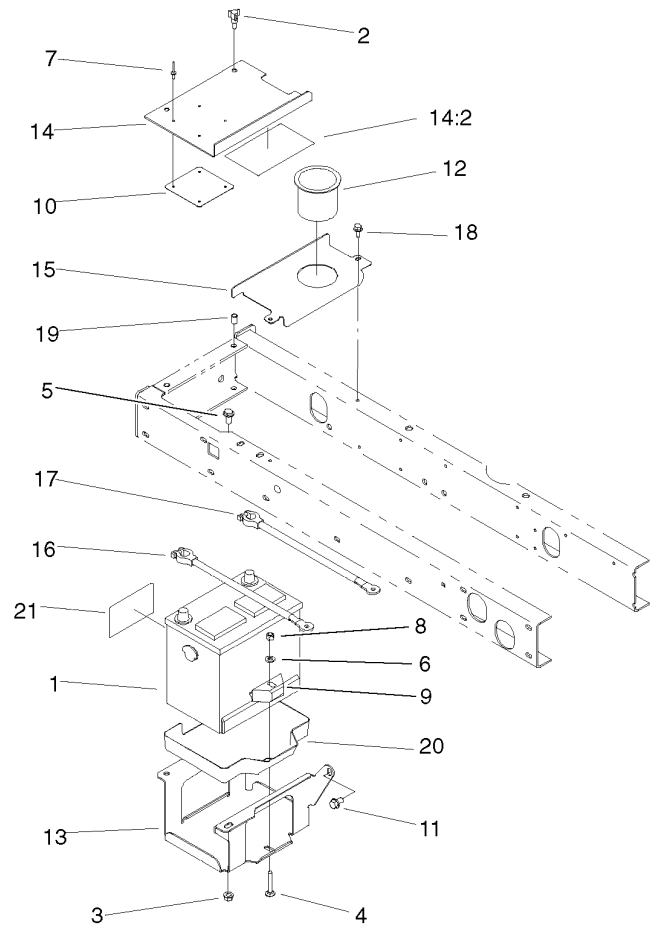
## Gear Motor Assembly No. 99-3627

| Ref | Part No. | Qty. | Description              |
|-----|----------|------|--------------------------|
| 2   | 66-5730  | 1    | Front Plate ASM          |
| 3   | 94-3603  | 1    | Motor Body ASM           |
| 4   | 94-3602  | 1    | Drive Gear ASM           |
| 5   | 94-3601  | 1    | Idler Gear ASM           |
| 6   | 59-8420  | 2    | Ring                     |
| 7   | 60-5890  | 1    | Washer                   |
| 8   | 59-8320  | 1    | Ring-Retaining           |
| 11  | 94-3600  | 8    | Capscrew                 |
| 12  | 66-5710  | 1    | Seal-Shaft               |
| 18  | 94-3606  | 1    | Key                      |
| 19  | 42-2010  | 2    | Pin-Dowel                |
| 20  | 100-4873 | 1    | Backplate ASM            |
| 21  | 92-9260  | 1    | Kit-Repair, Relief Valve |
| 22  | 93-1413  | 1    | Kit-Repair, Seal         |



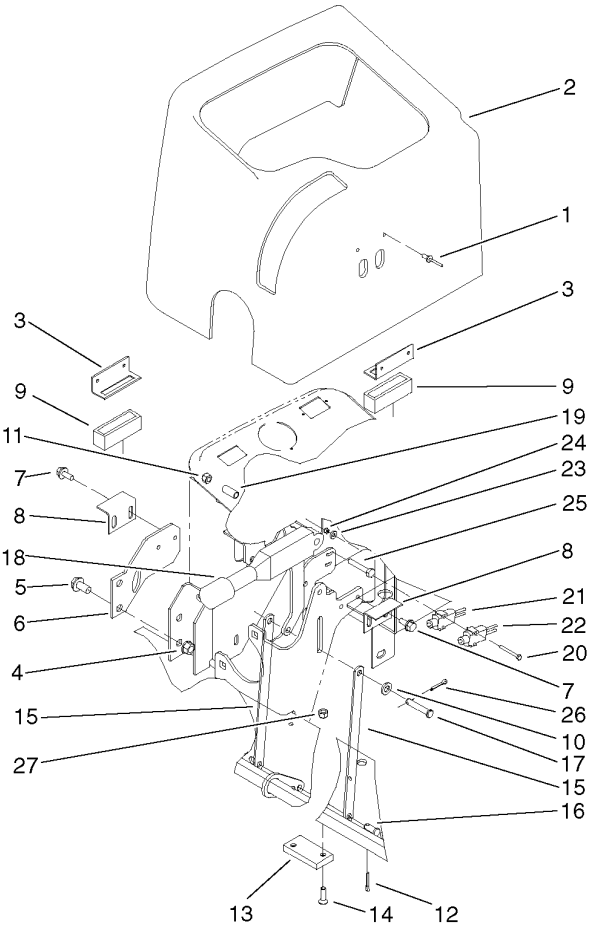
**Gear Motor Assembly No. 93-6975**

| Ref | Part No. | Qty. | Description              |  |  |  |  |
|-----|----------|------|--------------------------|--|--|--|--|
| 2   | 66-5730  | 1    | Front Plate ASM          |  |  |  |  |
| 3   | 94-3603  | 1    | Motor Body ASM           |  |  |  |  |
| 4   | 94-3602  | 1    | Drive Gear ASM           |  |  |  |  |
| 5   | 94-3601  | 1    | Idler Gear ASM           |  |  |  |  |
| 6   | 59-8420  | 2    | Ring                     |  |  |  |  |
| 7   | 60-5890  | 1    | Washer                   |  |  |  |  |
| 8   | 59-8320  | 1    | Ring-Retaining           |  |  |  |  |
| 11  | 94-3600  | 8    | Capscrew                 |  |  |  |  |
| 12  | 66-5710  | 1    | Seal-Shaft               |  |  |  |  |
| 18  | 94-3606  | 1    | Key                      |  |  |  |  |
| 19  | 42-2010  | 2    | Pin-Dowel                |  |  |  |  |
| 20  | 94-3605  | 1    | Backplate ASM            |  |  |  |  |
| 21  | 92-9260  | 1    | Kit-Repair, Relief Valve |  |  |  |  |
| 22  | 93-1413  | 1    | Kit-Repair, Seal         |  |  |  |  |



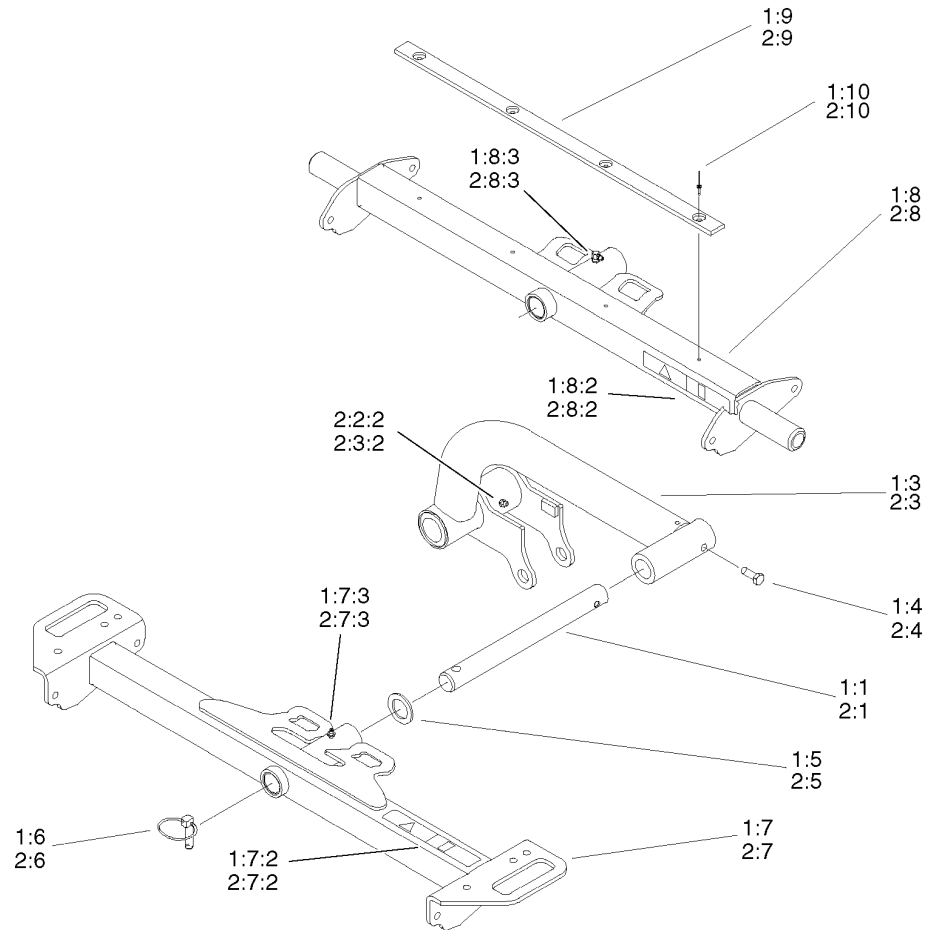
Battery Assembly

| Ref  | Part No.   | Qty. | Description             |  |  |  |  |
|------|------------|------|-------------------------|--|--|--|--|
| 1    | 83-9000    | 1    | Battery (Dry)           |  |  |  |  |
| 2    | 233-70     | 2    | Knob-3 Star             |  |  |  |  |
| 3    | 32128-43   | 3    | Nut-Flange              |  |  |  |  |
| 4    | 3230-6     | 1    | Screw-CARR              |  |  |  |  |
| 5    | 3234-1     | 3    | Screw-HHF               |  |  |  |  |
| 6    | 3256-23    | 1    | Washer-Flat             |  |  |  |  |
| 7    | 3269-27    | 4    | Rivet-Snap              |  |  |  |  |
| 8    | 3296-29    | 1    | Nut-Lock, NI            |  |  |  |  |
| 9    | 66-2490    | 1    | Retainer-Battery        |  |  |  |  |
| 10   | 87-7620    | 1    | Shield-Terminal,Battery |  |  |  |  |
| 11   | 32144-15   | 1    | Screw                   |  |  |  |  |
| 12   | 94-1410    | 1    | Holder-Can, Beverage    |  |  |  |  |
| 13   | 95-8796-03 | 1    | Support-Battery         |  |  |  |  |
| 14   | 99-3602    | 1    | Cover-Battery           |  |  |  |  |
| 14:2 | 93-7276    | 1    | Decal-Danger            |  |  |  |  |
| 15   | 95-8817-01 | 1    | Cover-Battery, Inner    |  |  |  |  |
| 16   | 95-8853    | 1    | Cable-Battery,Positive  |  |  |  |  |
| 17   | 95-8854    | 1    | Cable-Battery,Negative  |  |  |  |  |
| 18   | 32144-4    | 2    | Screw-HH                |  |  |  |  |
| 19   | 32148-6    | 2    | Nut-Insert              |  |  |  |  |
| 20   | 99-3513    | 1    | Tray-Battery            |  |  |  |  |
| 21   | 93-6668    | 1    | Decal-Battery           |  |  |  |  |



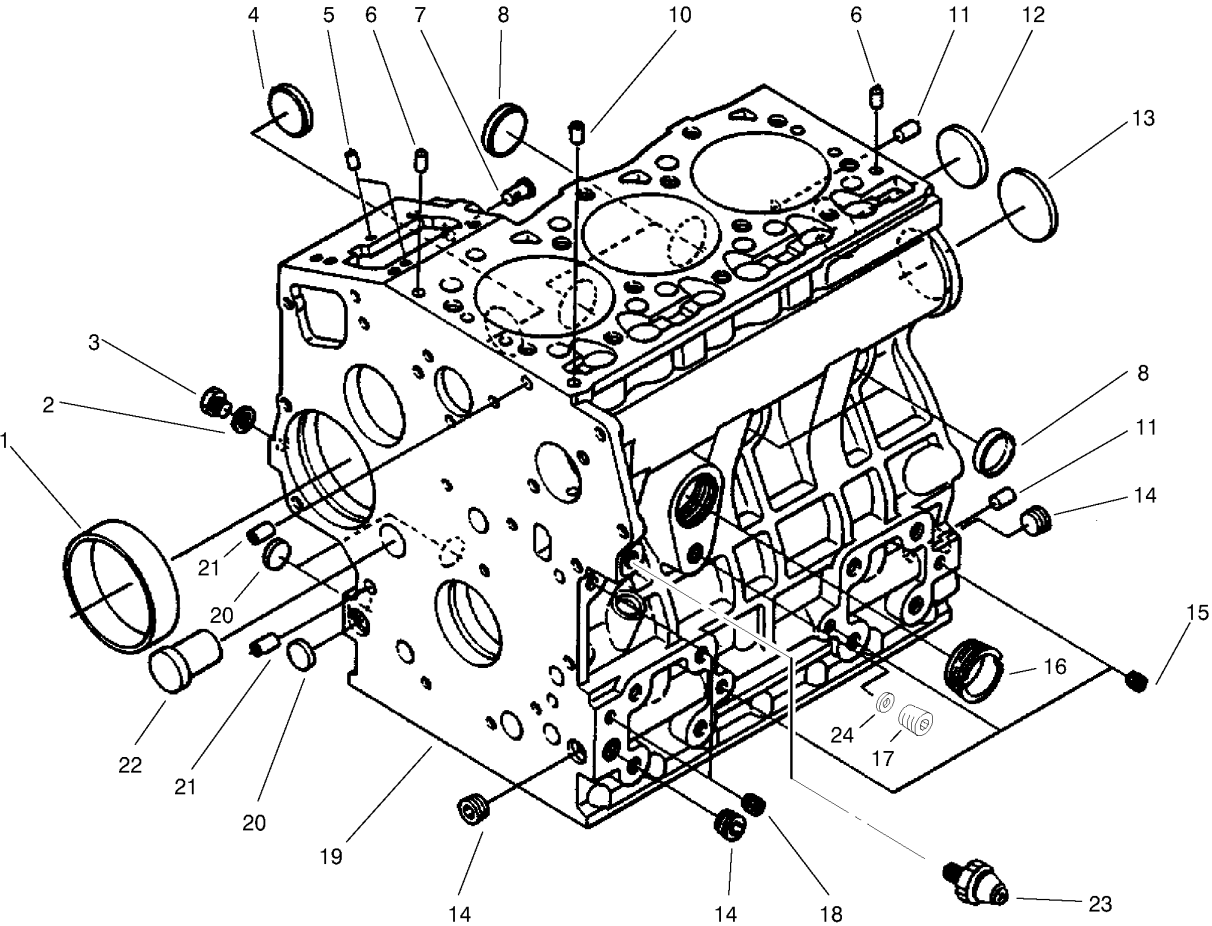
Parking Brake Assembly

| Ref | Part No.   | Qty. | Description             | Ref | Part No. | Qty. | Description |
|-----|------------|------|-------------------------|-----|----------|------|-------------|
| 1   | 3269-5     | 4    | Rivet                   | 25  | 321-9    | 1    | Screw-HH    |
| 2   | 95-8707    | 1    | Cover-Dash              | 26  | 3272-6   | 1    | Pin-Cotter  |
| 3   | 95-8763    | 2    | Bracket-Hold Down,Cover | 27  | 32128-32 | 2    | Nut-HHF     |
| 4   | 32128-43   | 2    | Nut-Flange              |     |          |      |             |
| 5   | 3234-1     | 2    | Screw-HHF               |     |          |      |             |
| 6   | 95-8764-03 | 1    | Support-Magnet          |     |          |      |             |
| 7   | 32144-10   | 4    | Screw-HWH               |     |          |      |             |
| 8   | 95-8765    | 2    | Bracket-Strike,Magnet   |     |          |      |             |
| 9   | 58-4250    | 2    | Catch-Magnetic          |     |          |      |             |
| 10  | 3256-23    | 1    | Washer-Flat             |     |          |      |             |
| 11  | 3296-42    | 1    | Nut-Lock                |     |          |      |             |
| 12  | 3272-10    | 1    | Pin-Cotter              |     |          |      |             |
| 13  | 95-8684    | 1    | Pad-Bumper              |     |          |      |             |
| 14  | 3289-4     | 2    | Screw-FH                |     |          |      |             |
| 15  | 95-8681-03 | 2    | Link-Brake, Parking     |     |          |      |             |
| 16  | 283-62     | 1    | Pin-Clevis              |     |          |      |             |
| 17  | 94-3829    | 1    | Pin-Clevis              |     |          |      |             |
| 18  | 87-2710    | 1    | Lever-Brake             |     |          |      |             |
| 19  | 87-4710    | 1    | Spacer-Brake,Parking    |     |          |      |             |
| 20  | 32105-21   | 2    | Screw-HH                |     |          |      |             |
| 21  | 95-8900    | 1    | Switch                  |     |          |      |             |
| 22  | 99-3410    | 1    | Switch                  |     |          |      |             |
| 23  | 3256-21    | 2    | Washer-Flat             |     |          |      |             |
| 24  | 3296-9     | 2    | Nut-Lock NI             |     |          |      |             |



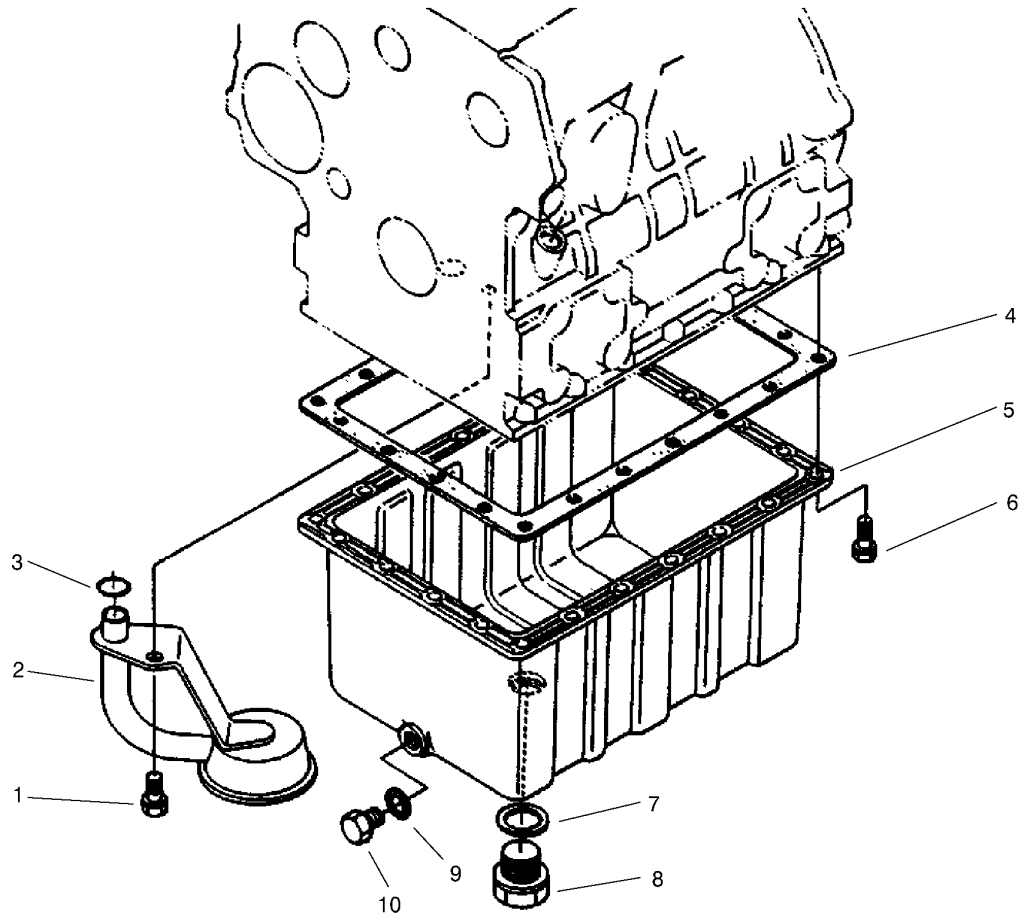
## Lift Arm Kit Assembly

| Ref   | Part No. | Qty. | Description                | Ref   | Part No. | Qty. | Description                |
|-------|----------|------|----------------------------|-------|----------|------|----------------------------|
| 1     | 03220    | 1    | Rm3100 27" Lift Arm Kit    | 2:7   | 99-3507  | 2    | 32" Front Carrierframe ASM |
| 1:1   | 95-8979  | 2    | Shaft-C.U., Pivot          | 2:7:2 | 94-3353  | 1    | Decal-Point, Pinch         |
| 2*1:2 | 95-8553  | 1    | RH Short Liftarm ASM       | 2:7:3 | 302-5    | 1    | Fitting-Lube               |
| 1:3   | 95-8554  | 1    | LH Short Liftarm ASM       | 2:8   | 99-3509  | 1    | 32" Rear Carrier Frameasm  |
| 1:4   | 323-6    | 2    | Screw-HH                   | 2:8:2 | 94-3353  | 1    | Decal-Point, Pinch         |
| 1:5   | 3-6781   | 2    | Washer-Thrust              | 2:8:3 | 302-60   | 1    | Fitting-Lube               |
| 1:6   | 283-71   | 2    | Pin-Lynch                  | 2:9   | 95-8936  | 1    | Strip-Wear                 |
| 1:7   | 99-3506  | 2    | 27" Front Carrierframe ASM | 2:10  | 3269-18  | 4    | Rivet-Pop, Steel           |
| 1:7:2 | 94-3353  | 1    | Decal-Point, Pinch         |       |          |      |                            |
| 1:7:3 | 302-5    | 1    | Fitting-Lube               |       |          |      |                            |
| 1:8   | 99-3508  | 1    | 27" Rear Carrier Frameasm  |       |          |      |                            |
| 1:8:2 | 94-3353  | 1    | Decal-Point, Pinch         |       |          |      |                            |
| 1:8:3 | 302-60   | 1    | Fitting-Lube               |       |          |      |                            |
| 1:9   | 95-8936  | 1    | Strip-Wear                 |       |          |      |                            |
| 1:10  | 3269-18  | 4    | Rivet-Pop, Steel           |       |          |      |                            |
| 2     | 03221    | 1    | Rm3100 32" Lift Arm Kit    |       |          |      |                            |
| 2:1   | 95-8979  | 2    | Shaft-C.U., Pivot          |       |          |      |                            |
| 2*2:2 | 95-8550  | 1    | RH Long Liftarm ASM        |       |          |      |                            |
| 2:2:2 | 302-5    | 1    | Fitting-Lube               |       |          |      |                            |
| 2:3   | 95-8551  | 1    | LH Long Liftarm ASM        |       |          |      |                            |
| 2:3:2 | 302-5    | 1    | Fitting-Lube               |       |          |      |                            |
| 2:4   | 323-6    | 2    | Screw-HH                   |       |          |      |                            |
| 2:5   | 3-6781   | 2    | Washer-Thrust              |       |          |      |                            |
| 2:6   | 283-71   | 2    | Pin-Lynch                  |       |          |      |                            |



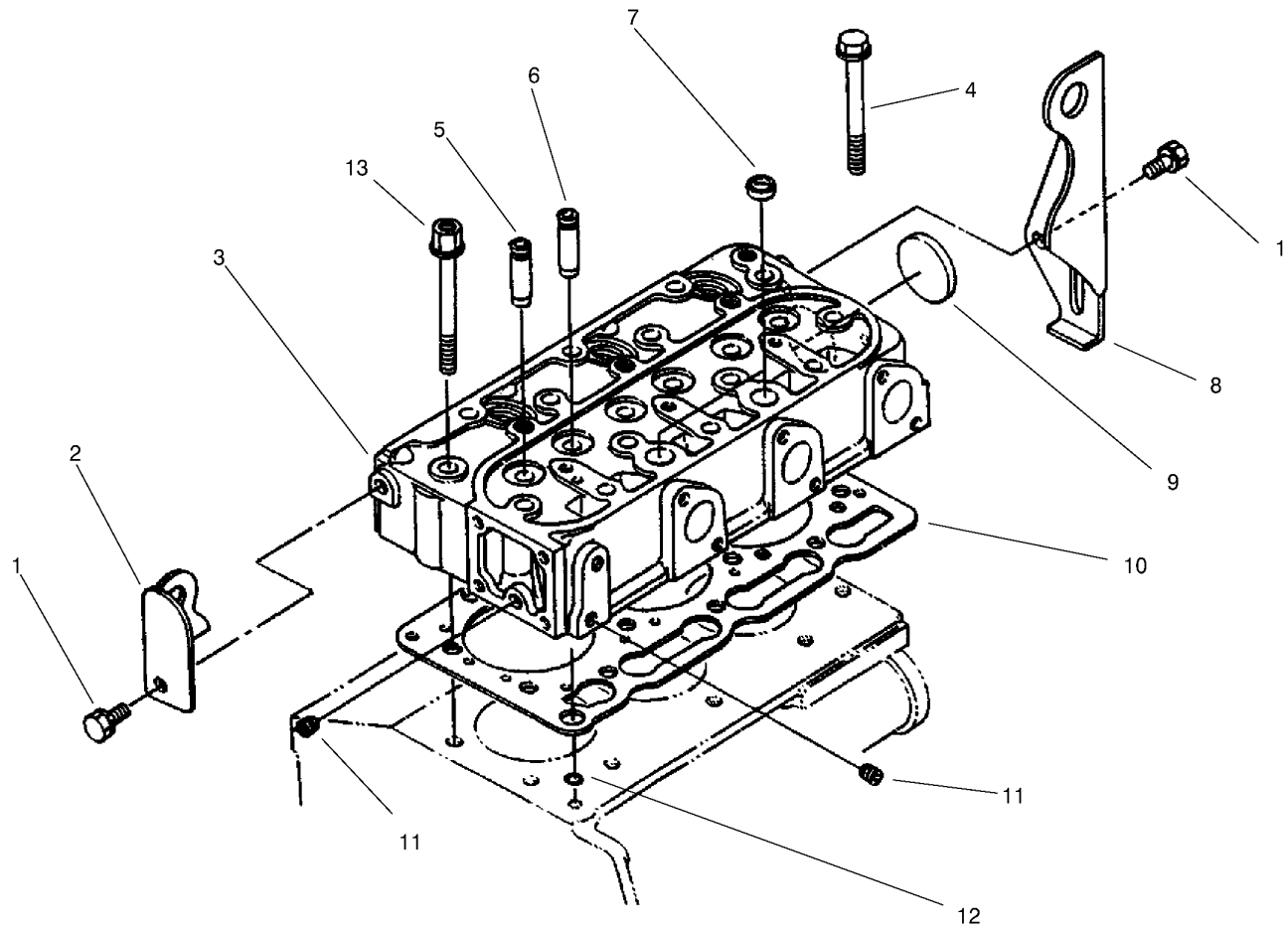
Crankcase Assembly

| Ref | Part No. | Qty. | Description                                        |  |  |  |  |
|-----|----------|------|----------------------------------------------------|--|--|--|--|
| 1   | 98-9656  | 1    | Bushing-Gear,Governor                              |  |  |  |  |
| 2   | 98-7428  | 1    | Gasket                                             |  |  |  |  |
| 3   | 98-7507  | 1    | Plug                                               |  |  |  |  |
| 4   | 98-9599  | 1    | Plug                                               |  |  |  |  |
| 5   | 98-9375  | 2    | Pin-Straight                                       |  |  |  |  |
| 6   | 98-9376  | 2    | Pin-Straight                                       |  |  |  |  |
| 7   | 98-9630  | 1    | Pin-Start Spring                                   |  |  |  |  |
| 8   | 98-9398  | 4    | Cap-Sealing                                        |  |  |  |  |
| 10  | 98-9539  | 1    | Pin-Pipe                                           |  |  |  |  |
| 11  | 98-9377  | 2    | Pin-Straight                                       |  |  |  |  |
| 12  | 98-7540  | 1    | Plug                                               |  |  |  |  |
| 13  | 98-9668  | 1    | Plug                                               |  |  |  |  |
| 14  | 98-9597  | 3    | Plug                                               |  |  |  |  |
| 15  | 98-7539  | 3    | Cap-Sealing                                        |  |  |  |  |
| 16  | 98-9667  | 1    | Plug                                               |  |  |  |  |
| 17  | 99-3447  | 1    | Plug-Pipe                                          |  |  |  |  |
| 18  | 98-7487  | 2    | Plug                                               |  |  |  |  |
| 19  | 98-9604  | 1    | Crankcase ASM (Incl. Ref. #1-8, 10-16, 18 & 20-22) |  |  |  |  |
| 20  | 98-9379  | 3    | Plug                                               |  |  |  |  |
| 21  | 98-9387  | 2    | Pin-Pipe                                           |  |  |  |  |
| 22  | 98-9675  | 1    | Plug                                               |  |  |  |  |
| 23  | 98-9416  | 1    | Switch                                             |  |  |  |  |
| 24  | 99-3445  | 1    | Gasket                                             |  |  |  |  |



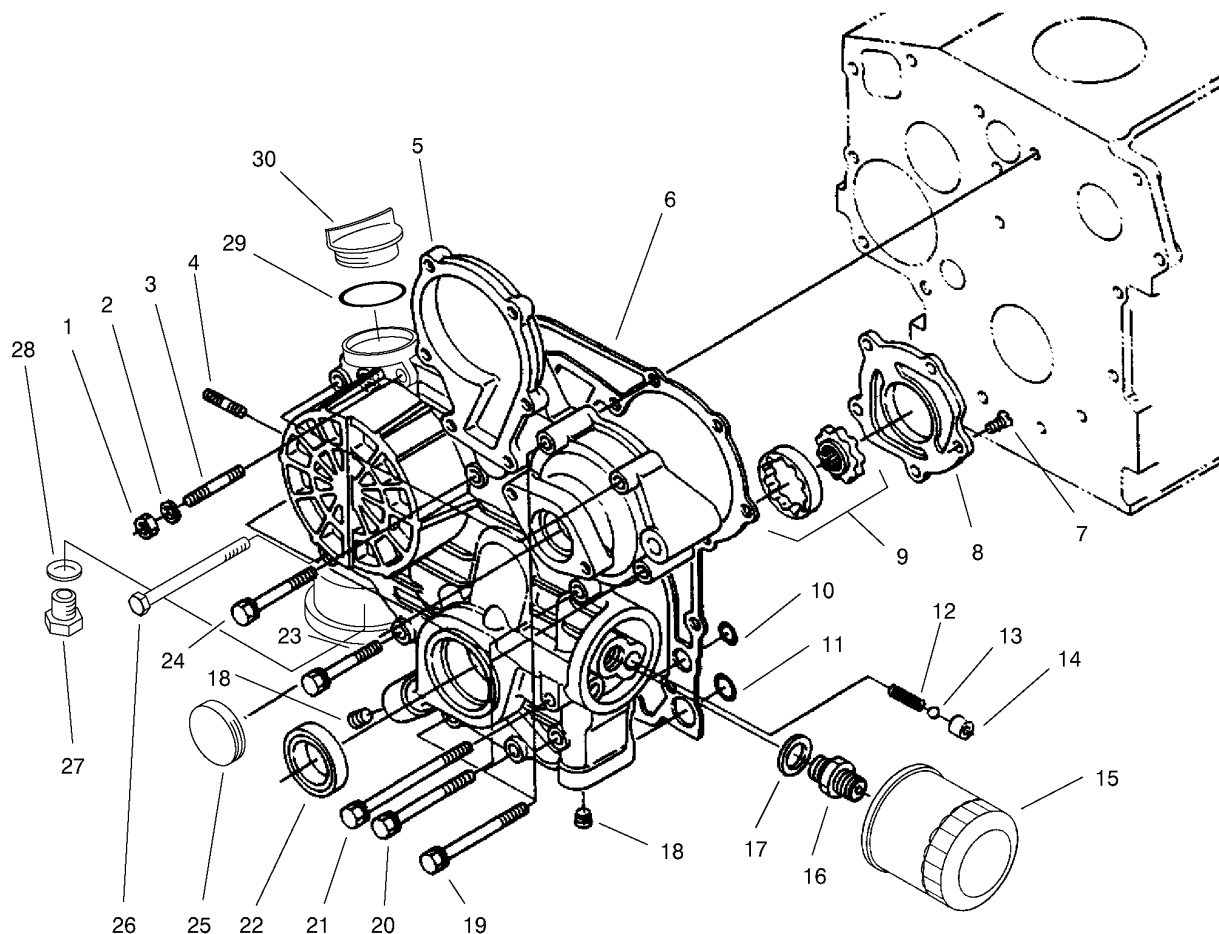
Oil Pan Assembly

| Ref | Part No. | Qty. | Description     |  |  |  |  |
|-----|----------|------|-----------------|--|--|--|--|
| 1   | 98-9358  | 1    | Bolt            |  |  |  |  |
| 2   | 98-9538  | 1    | Filter-Oil      |  |  |  |  |
| 3   | 98-7527  | 1    | O-Ring          |  |  |  |  |
| 4   | 98-9646  | 1    | Gasket-Pan, Oil |  |  |  |  |
| 5   | 98-9685  | 1    | Oil Pan         |  |  |  |  |
| 6   | 98-9350  | 22   | Bolt            |  |  |  |  |
| 7   | 98-9399  | 1    | Gasket          |  |  |  |  |
| 8   | 98-7523  | 1    | Plug-Drain      |  |  |  |  |
| 9   | 98-7524  | 1    | Gasket          |  |  |  |  |
| 10  | 98-9386  | 1    | Plug            |  |  |  |  |



Cylinder Head Assembly

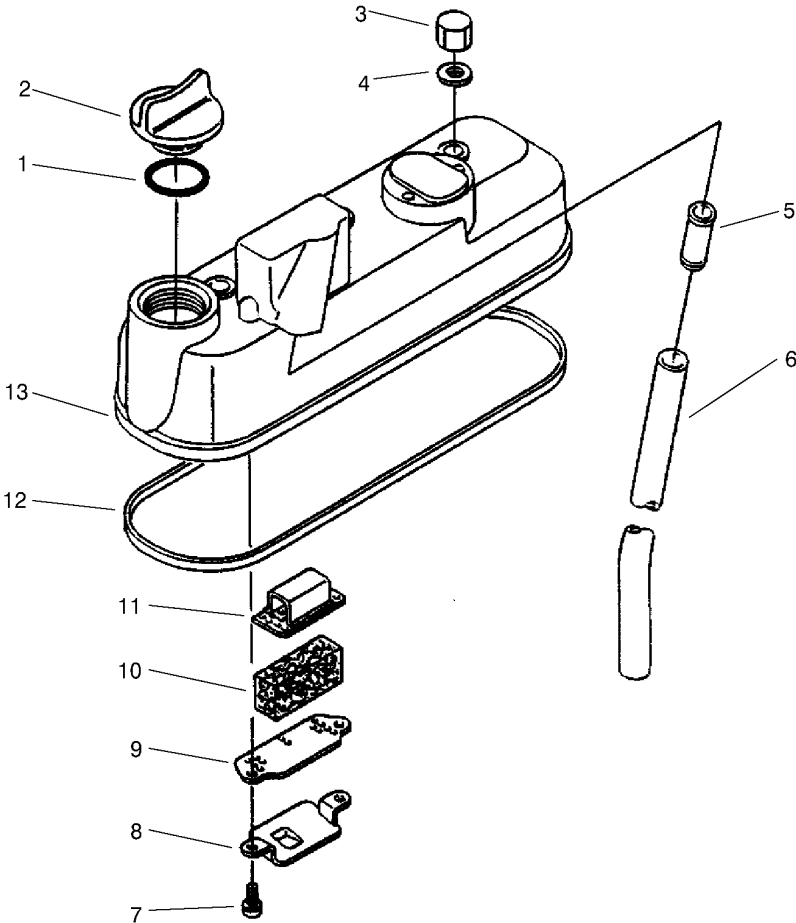
| Ref | Part No. | Qty. | Description                                 |  |  |  |  |
|-----|----------|------|---------------------------------------------|--|--|--|--|
| 1   | 98-7585  | 2    | Bolt                                        |  |  |  |  |
| 2   | 98-9477  | 1    | Hook-Engine                                 |  |  |  |  |
| 3   | 99-8344  | 1    | Cylinder Head ASM (Incl. Ref. #5-7, 9 & 11) |  |  |  |  |
| 4   | 98-9479  | 12   | Bolt-Head, Cylinder                         |  |  |  |  |
| 5   | 98-9499  | 3    | Guide-Valve, Inlet                          |  |  |  |  |
| 6   | 98-9500  | 3    | Guide-Valve, Exhaust                        |  |  |  |  |
| 7   | 98-9389  | 2    | Cap-Sealing                                 |  |  |  |  |
| 8   | 98-9478  | 1    | Hook-Engine                                 |  |  |  |  |
| 9   | 98-9395  | 1    | Cap-Sealing                                 |  |  |  |  |
| 10  | 98-9613  | 1    | Gasket-Head, Cylinder                       |  |  |  |  |
| 11  | 98-7540  | 2    | Plug                                        |  |  |  |  |
| 12  | 98-7509  | 1    | O-Ring                                      |  |  |  |  |
| 13  | 98-9647  | 2    | Bolt-Head, Cylinder                         |  |  |  |  |



## Gear Case and Oil Filter Assembly

| Ref | Part No. | Qty. | Description                                    |
|-----|----------|------|------------------------------------------------|
| 1   | 98-7572  | 1    | Nut                                            |
| 2   | 98-9367  | 1    | Washer-Lock                                    |
| 3   | 98-9363  | 1    | Stud                                           |
| 4   | 98-9362  | 2    | Stud                                           |
| 5   | 99-3462  | 1    | Gear Case ASM (Incl. Ref. #7-9, 12-14 & 16-18) |
| 6   | 98-9633  | 1    | Gasket-Case, Gear                              |
| 7   | 98-9592  | 5    | Screw                                          |
| 8   | 98-9541  | 1    | Cover-Pump, Oil                                |
| 9   | 98-9540  | 1    | Oil Pump Rotor ASM                             |
| 10  | 98-9372  | 2    | O-Ring                                         |
| 11  | 98-7547  | 2    | O-Ring                                         |
| 12  | 98-9544  | 1    | Spring                                         |
| 13  | 98-9380  | 1    | Ball                                           |
| 14  | 98-9543  | 1    | Seal-Valve                                     |
| 15  | 99-8384  | 1    | Oil Cartridge ASM                              |
| 16  | 98-9388  | 1    | Joint-Pipe                                     |
| 17  | 98-7562  | 1    | Washer-Flat                                    |
| 18  | 98-9598  | 2    | Plug                                           |
| 19  | 98-9356  | 2    | Bolt                                           |
| 20  | 98-9355  | 4    | Bolt                                           |
| 21  | 99-3510  | 2    | Bolt                                           |
| 22  | 98-9482  | 1    | Seal-Oil                                       |
| 23  | 98-9437  | 1    | Bolt                                           |

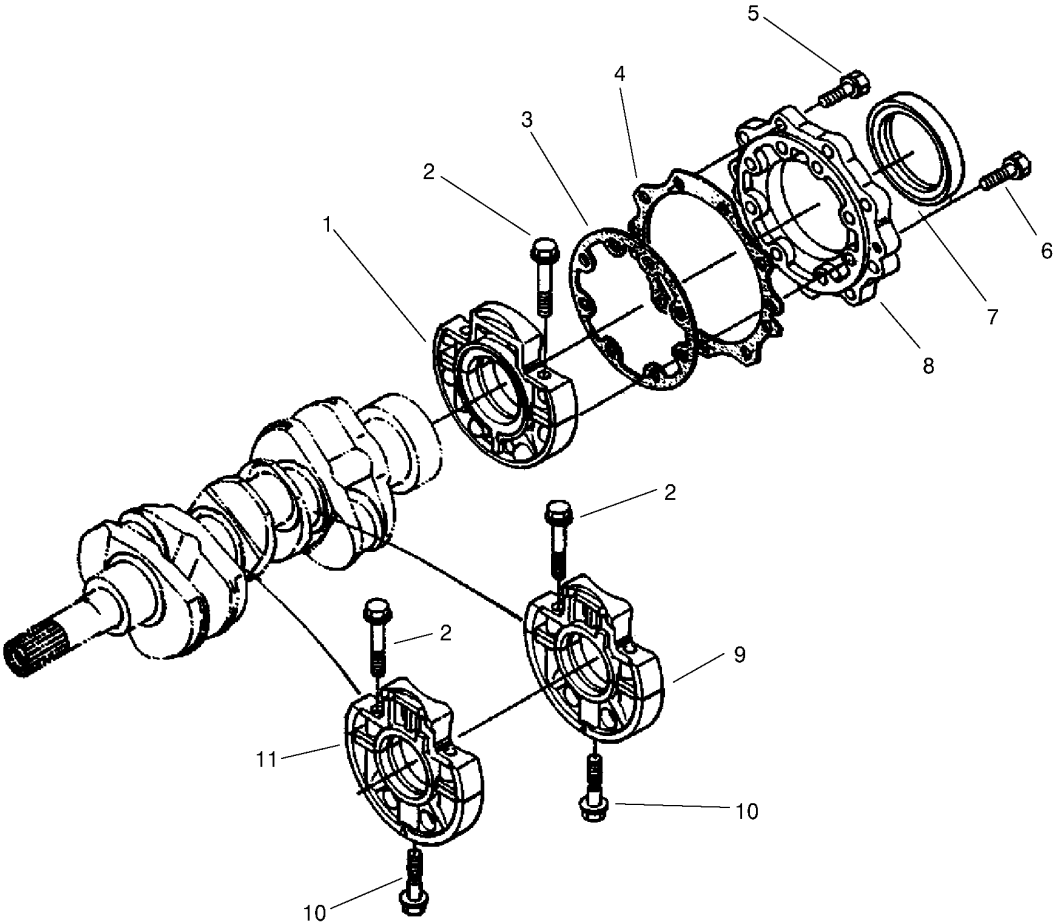
| Ref | Part No. | Qty. | Description      |
|-----|----------|------|------------------|
| 24  | 98-7496  | 3    | Bolt             |
| 25  | 99-3515  | 1    | Plug-Case, Gear  |
| 26  | 99-3511  | 1    | Bolt             |
| 27  | 99-3450  | 1    | Plug             |
| 28  | 99-3451  | 1    | Packing-Plug     |
| 29  | 98-7430  | 1    | O-Ring           |
| 30  | 98-9449  | 1    | Plug-Filler, Oil |



Head Cover Assembly

| Ref | Part No. | Qty. | Description                                   |  |  |  |  |
|-----|----------|------|-----------------------------------------------|--|--|--|--|
| 1   | 98-7430  | 1    | O-Ring                                        |  |  |  |  |
| 2   | 98-9449  | 1    | Plug-Filler, Oil                              |  |  |  |  |
| 3   | 98-9455  | 3    | Nut-Cap                                       |  |  |  |  |
| 4   | 98-9454  | 3    | Gasket                                        |  |  |  |  |
| 5   | 98-9492  | 1    | Joint-Pipe, Breather                          |  |  |  |  |
| 6   | 98-9491  | 1    | Pipe-Breather                                 |  |  |  |  |
| 7   | 98-9364  | 2    | Screw W/Washer                                |  |  |  |  |
| 8   | 98-9490  | 1    | Breather-Shield, Oil                          |  |  |  |  |
| 9   | 98-9488  | 1    | Plate-Element,Breather                        |  |  |  |  |
| 10  | 98-9493  | 1    | Element-Breather                              |  |  |  |  |
| 11  | 98-9489  | 1    | Plate-Element,Breather                        |  |  |  |  |
| 12  | 98-9615  | 1    | Gasket-Cover, Head                            |  |  |  |  |
| 13  | 98-9614  | 1    | Cylinder Headcover ASM (Incl. Ref. #5 & 7-12) |  |  |  |  |

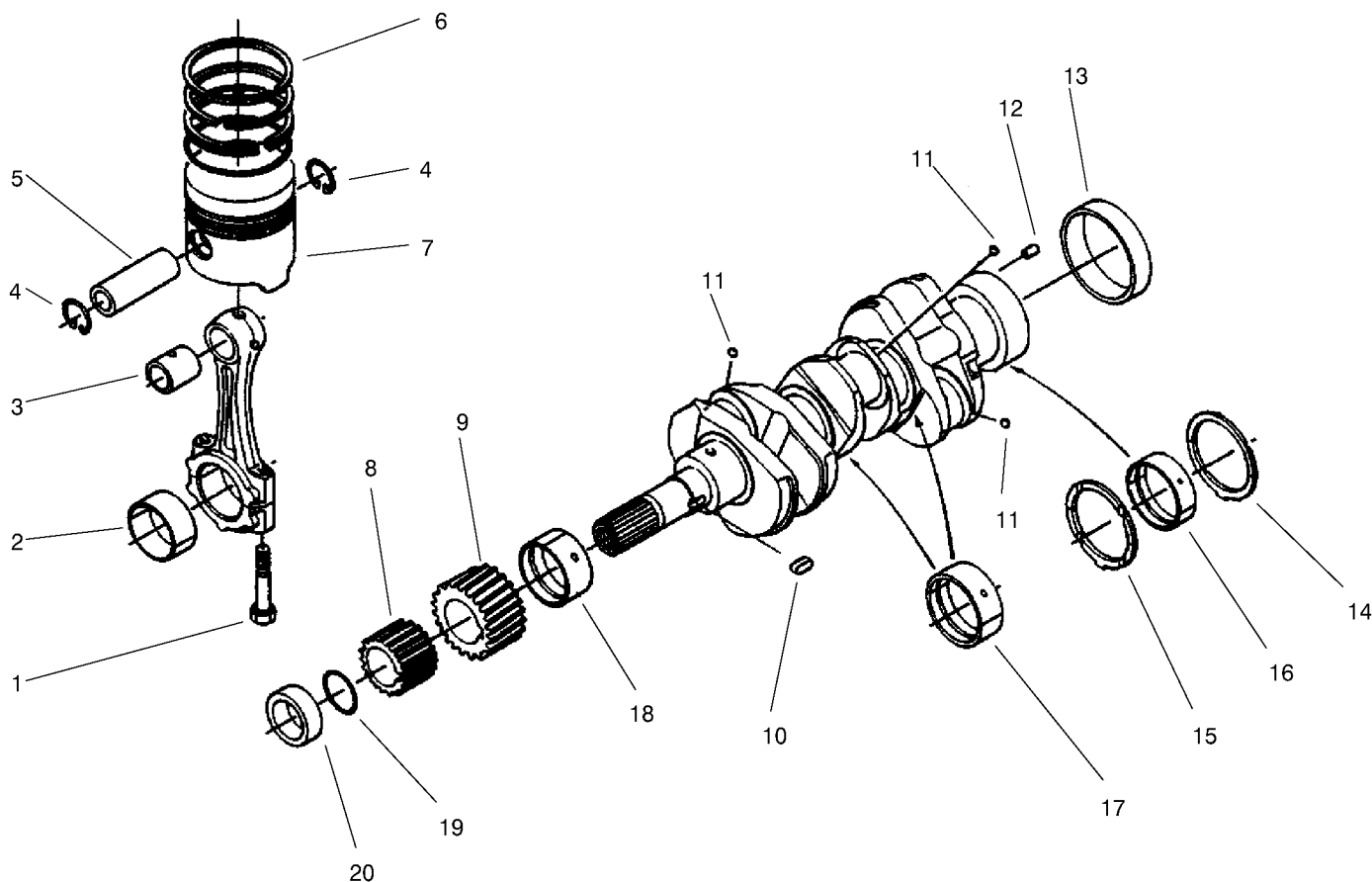
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Main Bearing Case Assembly

| Ref | Part No. | Qty. | Description                               |  |  |  |  |
|-----|----------|------|-------------------------------------------|--|--|--|--|
| 1   | 99-8345  | 1    | Main Bearingcase ASM                      |  |  |  |  |
| 2   | 98-9484  | 6    | Bolt-Case, Bearing                        |  |  |  |  |
| 3   | 98-9634  | 1    | Gasket-Case, Bearing                      |  |  |  |  |
| 4   | 98-9635  | 1    | Gasket-Case, Bearingcover                 |  |  |  |  |
| 5   | 98-7568  | 9    | Bolt                                      |  |  |  |  |
| 6   | 98-9352  | 8    | Bolt                                      |  |  |  |  |
| 7   | 98-9483  | 1    | Seal-Oil                                  |  |  |  |  |
| 8   | 98-9487  | 1    | Cover-Case, Bearing                       |  |  |  |  |
| 9   | 98-9607  | 1    | Main Bearingcase ASM (Incl. Ref. #2 & 10) |  |  |  |  |
| 10  | 98-9485  | 2    | Bolt-Case, Bearing                        |  |  |  |  |
| 11  | 98-9606  | 1    | Main Bearingcase ASM (Incl. Ref. #2 & 10) |  |  |  |  |

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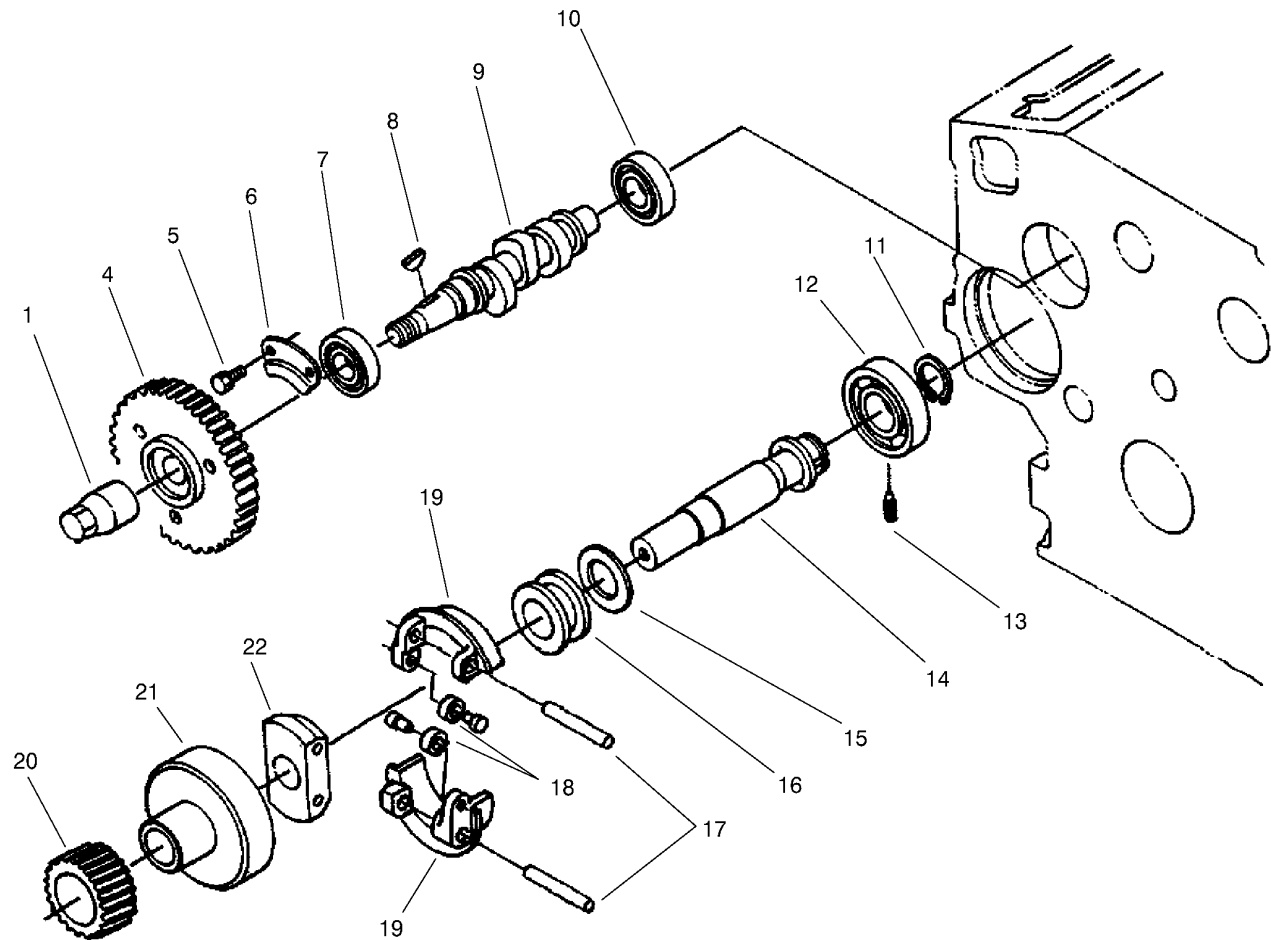


## Piston and Crankshaft Assembly

| Ref | Part No. | Qty. | Description                     |
|-----|----------|------|---------------------------------|
| 1   | 98-9517  | 6    | Bolt-Connecting Rod             |
| 2   | 98-9553  | 3    | Metal-Crankpin (STD.)           |
| 2   | 98-9519  | 3    | Metal-Crankpin(0.2Mm Undersize) |
| 2   | 98-9520  | 3    | Metal-Crankpin(0.4Mm Undersize) |
| 3   | 98-9515  | 3    | Bushing-Piston Pin              |
| 4   | 98-9514  | 6    | Clip-Circular,Piston Pin        |
| 5   | 98-9513  | 3    | Pin-Piston                      |
| 6   | 98-9618  | 3    | Piston Ring ASM (STD.)          |
| 6   | 98-9619  | 3    | Piston Ring ASM(0.5Mm Oversize) |
| 7   | 98-9550  | 3    | Piston (STD.)                   |
| 7   | 98-9470  | 3    | Piston(0.5Mmoversize)           |
| 8   | 98-9542  | 1    | Gear-Drive, Oil Pump            |
| 9   | 98-9532  | 1    | Gear-Crankshaft                 |
| 10  | 98-9666  | 1    | Key                             |
| 11  | 98-7473  | 3    | Ball                            |
| 12  | 98-9375  | 1    | Pin-Straight                    |
| 13  | 98-9522  | 1    | Sleeve-Crankshaft               |
| 14  | 98-9413  | 2    | Metal-Side (STD.)               |
| 14  | 98-9414  | 2    | Metal-Side(0.2Mm Oversize)      |
| 14  | 98-9415  | 2    | Metal-Side(0.4Mm Oversize)      |
| 15  | 98-9688  | 2    | Metal-Side (STD.)               |
| 15  | 98-9689  | 2    | Metal-Side(0.2Mm Oversize)      |
| 15  | 98-9690  | 2    | Metal-Side(0.4Mm Oversize)      |

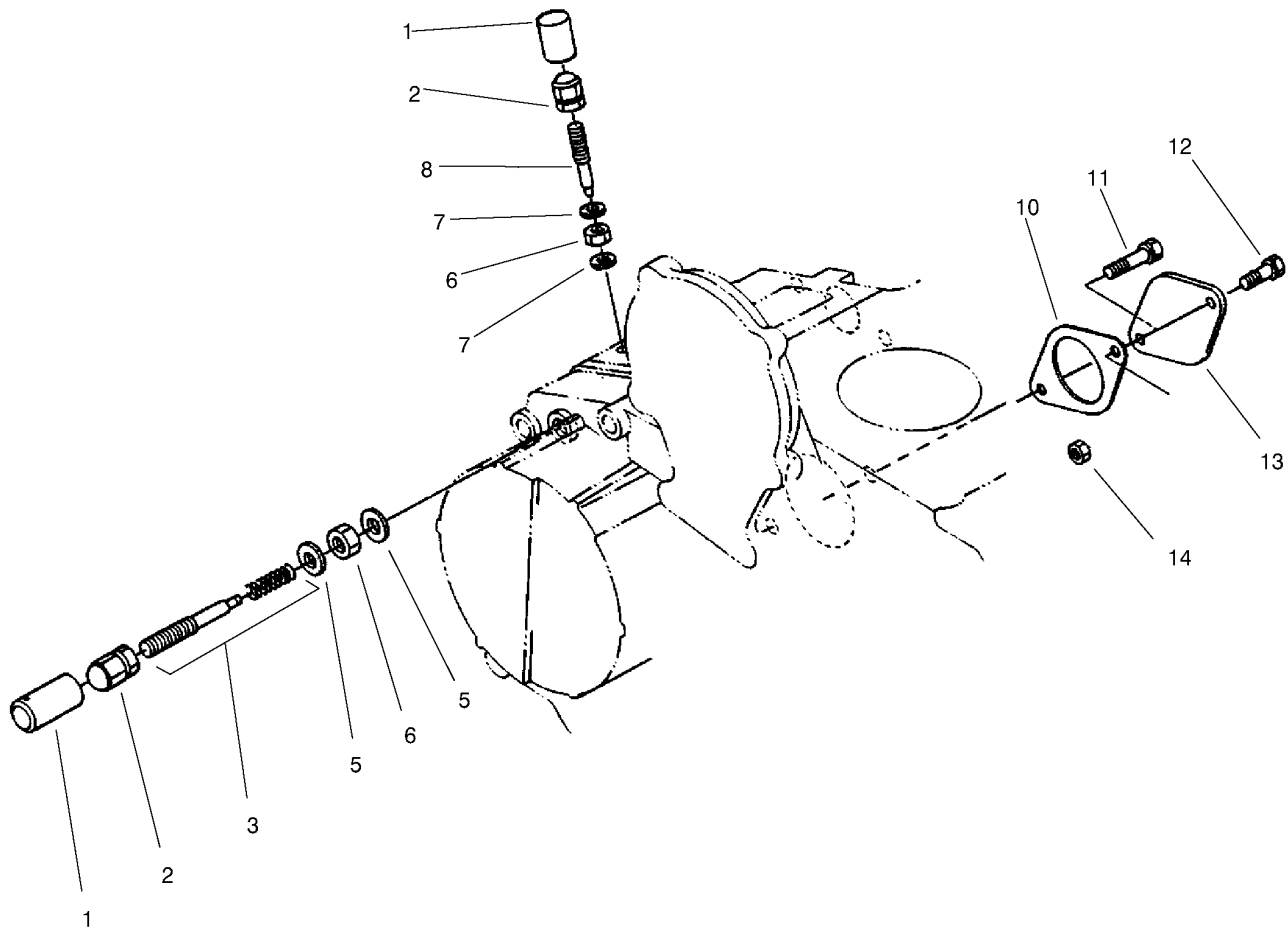
| Ref | Part No. | Qty. | Description                           |
|-----|----------|------|---------------------------------------|
| 16  | 98-9556  | 1    | Metal-Crankshaft (STD)                |
| 16  | 98-9526  | 1    | Metal-Crankshaft(0.2Mm Undersize)     |
| 16  | 98-9527  | 1    | Metal-Crankshaft(0.4Mm Undersize)     |
| 17  | 98-9555  | 2    | Metal-Crankshaft(STD Set)             |
| 17  | 98-9530  | 2    | Metal-Crankshaft(0.2Mm Undersize Set) |
| 17  | 98-9531  | 2    | Metal-Crankshaft(0.4Mm Undersize Set) |
| 18  | 98-9554  | 1    | Metal-Crankshaft (STD)                |
| 18  | 98-9528  | 1    | Metal-Crankshaft(0.2Mm Undersize)     |
| 18  | 98-9529  | 1    | Metal-Crankshaft(0.4Mm Undersize)     |
| 19  | 98-9373  | 1    | O-Ring                                |
| 20  | 98-9521  | 1    | Collar-Crankshaft                     |
| ④*  | 98-9552  | 3    | Connecting Rod ASM (Incl. Ref. #1-3)  |
| ④*  | 98-9642  | 1    | Crankshaft ASM (Incl. Ref. #8-13)     |





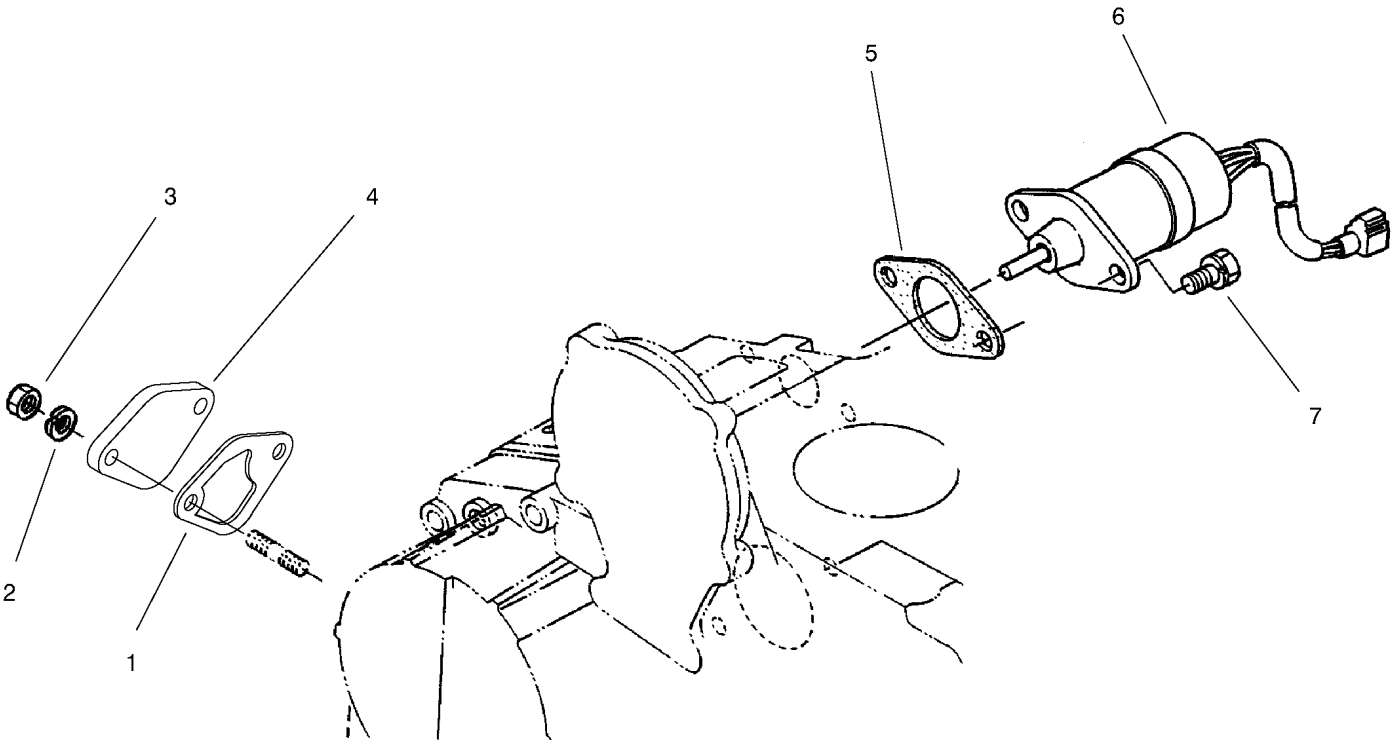
Fuel Camshaft Assembly

| Ref | Part No. | Qty. | Description                                 |  |  |  |  |
|-----|----------|------|---------------------------------------------|--|--|--|--|
| 1   | 98-9590  | 1    | Nut-Cap                                     |  |  |  |  |
| 4   | 98-9669  | 1    | Gear-Injection Pump                         |  |  |  |  |
| 5   | 98-9350  | 2    | Bolt                                        |  |  |  |  |
| 6   | 98-9511  | 1    | Stopper-Fuel,Camshaft                       |  |  |  |  |
| 7   | 98-9383  | 1    | Bearing-Ball                                |  |  |  |  |
| 8   | 98-9595  | 1    | Key-Woodruff                                |  |  |  |  |
| 9   | 98-9459  | 1    | Camshaft-Fuel                               |  |  |  |  |
| 10  | 98-9382  | 1    | Bearing-Ball                                |  |  |  |  |
| 11  | 98-9657  | 1    | Clip-Circular,Gov. Shaft                    |  |  |  |  |
| 12  | 98-9381  | 1    | Bearing-Ball                                |  |  |  |  |
| 13  | 98-9565  | 1    | Screw-Set                                   |  |  |  |  |
| 14  | 98-9644  | 1    | Governor Shaft ASM (Incl. Ref. #12 & 14-22) |  |  |  |  |
| 15  | 98-9564  | 1    | Washer-Thrust                               |  |  |  |  |
| 16  | 98-9563  | 1    | Sleeve-Governor                             |  |  |  |  |
| 17  | 98-9560  | 2    | Shaft-Weight,Governor                       |  |  |  |  |
| 18  | 98-9692  | 2    | Roller                                      |  |  |  |  |
| 19  | 98-9559  | 2    | Governor Weight ASM                         |  |  |  |  |
| 20  | 98-9673  | 1    | Gear-Governor                               |  |  |  |  |
| 21  | 98-9562  | 1    | Holder-Gear, Governor                       |  |  |  |  |
| 22  | 98-9561  | 1    | Holder-Gear, Governor                       |  |  |  |  |



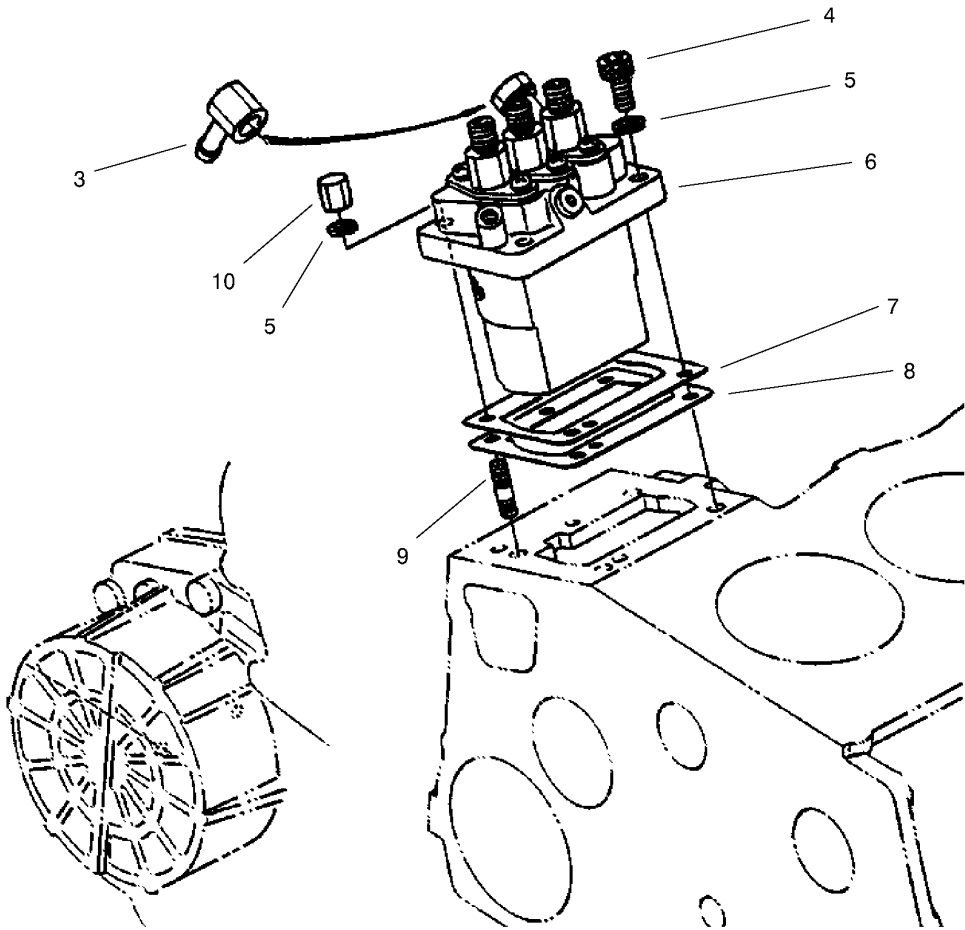
**Engine Stop Lever Assembly**

| Ref | Part No. | Qty. | Description    |  |  |  |  |
|-----|----------|------|----------------|--|--|--|--|
| 1   | 99-3465  | 2    | Cap            |  |  |  |  |
| 2   | 98-9441  | 2    | Nut-Cap        |  |  |  |  |
| 3   | 99-3458  | 1    | Adjusting ASM  |  |  |  |  |
| 5   | 98-7654  | 2    | Gasket         |  |  |  |  |
| 6   | 98-9439  | 2    | Nut            |  |  |  |  |
| 7   | 98-7654  | 2    | Gasket         |  |  |  |  |
| 8   | 98-9557  | 1    | Bolt-Adjusting |  |  |  |  |
| 10  | 98-9674  | 1    | Packing        |  |  |  |  |
| 11  | 98-7645  | 1    | Bolt           |  |  |  |  |
| 12  | 98-9359  | 1    | Bolt           |  |  |  |  |
| 13  | 98-9640  | 1    | Cover-Pump     |  |  |  |  |
| 14  | 98-7534  | 1    | Nut            |  |  |  |  |



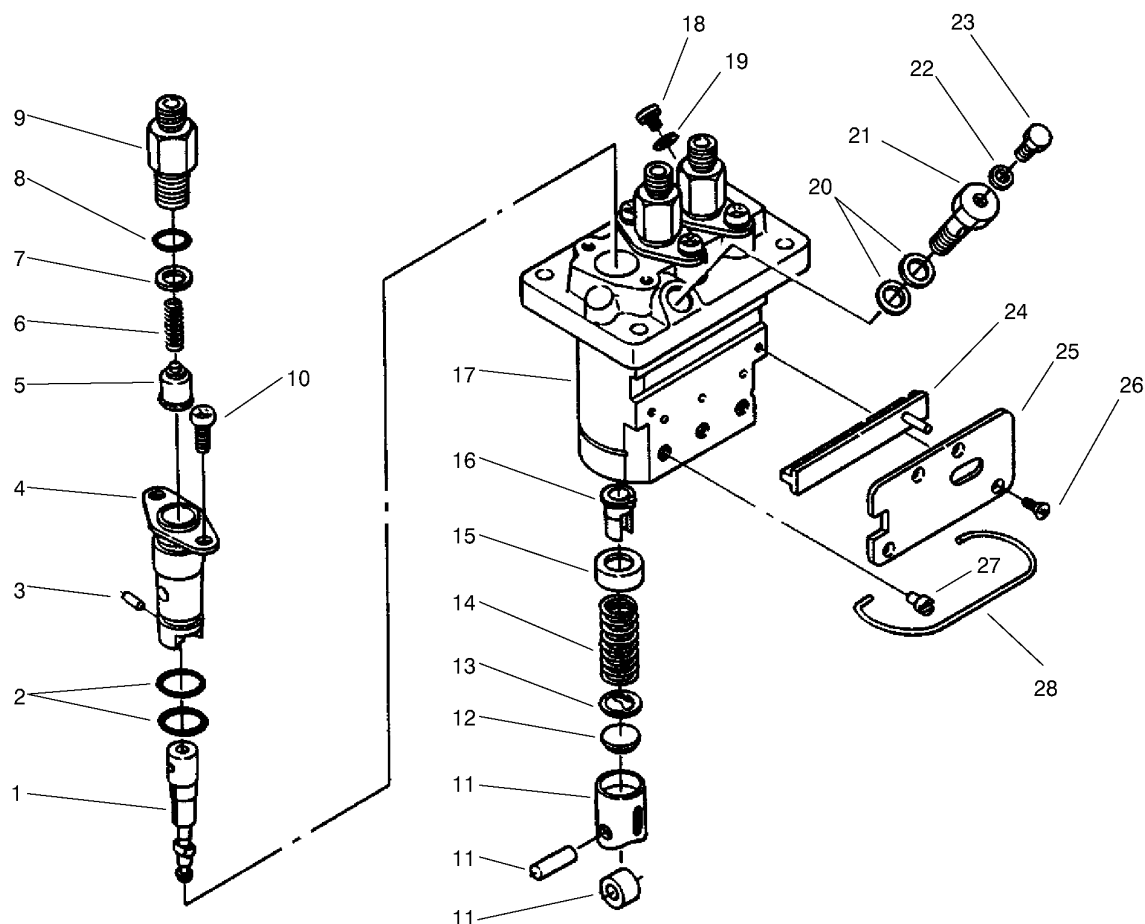
Stop Solenoid and Fuel Pump Assembly

| Ref | Part No. | Qty. | Description           |  |  |  |  |
|-----|----------|------|-----------------------|--|--|--|--|
| 1   | 98-9636  | 1    | Gasket-Pump, Fuel     |  |  |  |  |
| 2   | 98-9367  | 2    | Washer-Lock           |  |  |  |  |
| 3   | 98-7572  | 2    | Nut                   |  |  |  |  |
| 4   | 99-3514  | 1    | Cover                 |  |  |  |  |
| 5   | 98-9683  | 1    | Gasket-Cover,Solenoid |  |  |  |  |
| 6   | 98-9693  | 1    | Solenoid-Stop         |  |  |  |  |
| 7   | 98-9351  | 2    | Bolt                  |  |  |  |  |



Injection Pump Assembly

| Ref | Part No. | Qty. | Description            |  |  |  |  |
|-----|----------|------|------------------------|--|--|--|--|
| 3   | 98-9596  | 1    | Joint-Eye              |  |  |  |  |
| 4   | 98-9361  | 2    | Bolt                   |  |  |  |  |
| 5   | 98-9367  | 4    | Washer-Lock            |  |  |  |  |
| 6   | 98-9643  | 1    | Injection Pump ASM     |  |  |  |  |
| 7   | 98-9456  | 1    | Shim-Injection(0.2Mm)  |  |  |  |  |
| 7   | 98-9457  | 1    | Shim-Injection(0.25Mm) |  |  |  |  |
| 8   | 98-9458  | 1    | Shim-Injection(0.30Mm) |  |  |  |  |
| 9   | 98-9438  | 2    | Stud                   |  |  |  |  |
| 10  | 98-9440  | 2    | Nut-Cap                |  |  |  |  |

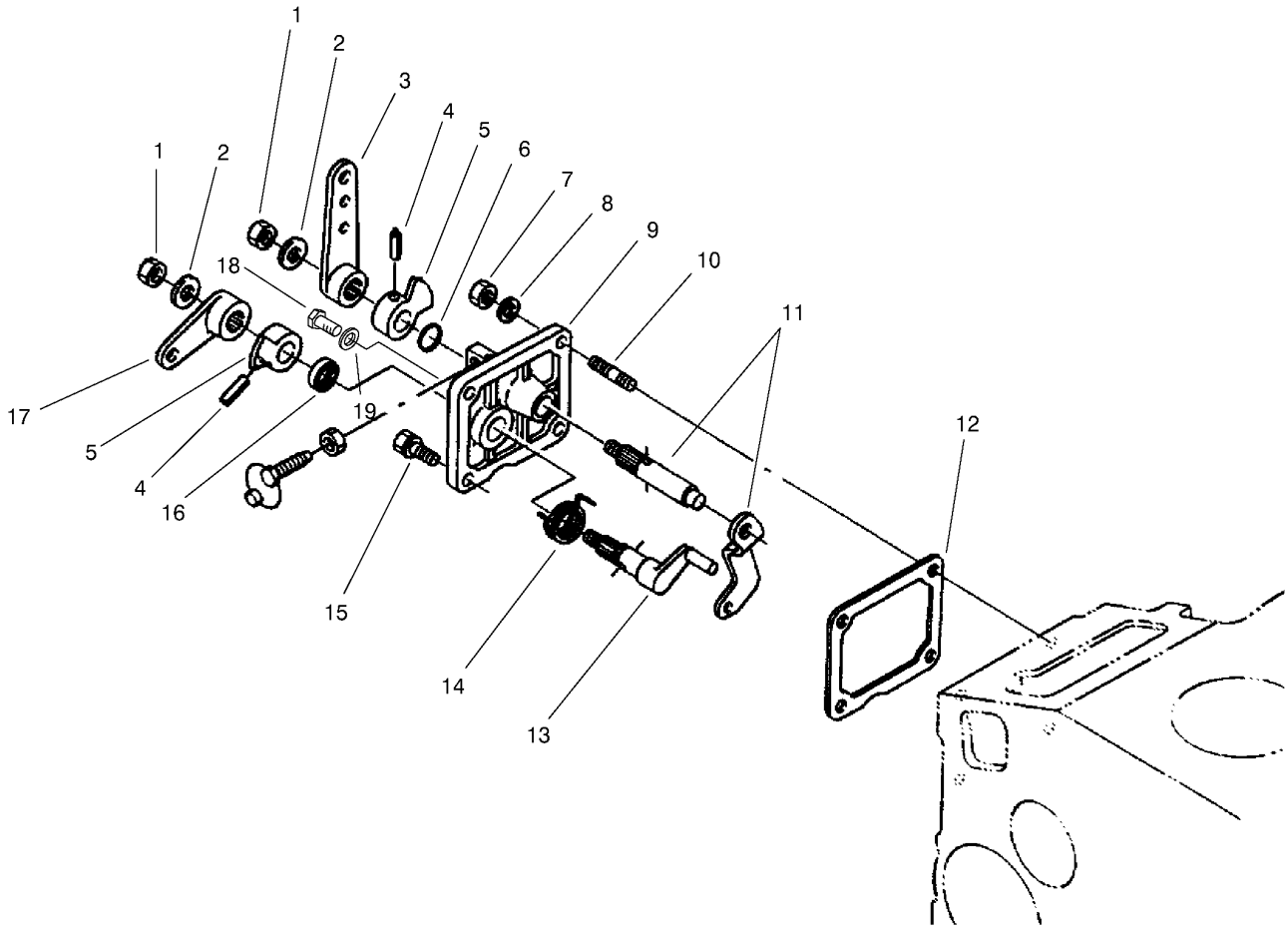


## Injection Pump Assembly (continued)

| Ref | Part No. | Qty. | Description                                 |
|-----|----------|------|---------------------------------------------|
| 1   | 98-9462  | 3    | Element-Pump                                |
| 2   | 98-9423  | 6    | O-Ring                                      |
| 3   | 98-9443  | 3    | Pin-Joint                                   |
| 4   | 98-9434  | 3    | Flange-Sleeve                               |
| 5   | 98-9421  | 3    | Valve-Delivery                              |
| 6   | 98-9424  | 3    | Spring-Valve, Delivery                      |
| 7   | 98-9425  | 3    | Gasket-Valve, Delivery                      |
| 8   | 98-9447  | 3    | O-Ring                                      |
| 9   | 98-9652  | 3    | Holder-Valve, Delivery                      |
| 10  | 98-9452  | 6    | Screw                                       |
| 11  | 98-9422  | 3    | Tappet ASM                                  |
| 12  | 98-9433  | 3    | Shim                                        |
| 13  | 98-9429  | 3    | Seat-Spring, Lower                          |
| 14  | 98-9428  | 3    | Spring-Plunger                              |
| 15  | 98-9427  | 3    | Seat-Spring, Upper                          |
| 16  | 98-9432  | 3    | Sleeve-Control                              |
| 17  | 98-9643  | 1    | Injection Pump ASM(Incl. Ref. #1-16 &18-28) |
| 18  | 98-9466  | 1    | Plug                                        |
| 19  | 98-9451  | 1    | Gasket                                      |
| 20  | 98-9445  | 2    | Gasket                                      |
| 21  | 98-9464  | 1    | Bolt-Joint                                  |
| 22  | 98-9446  | 1    | Gasket                                      |
| 23  | 98-9430  | 1    | Screw                                       |

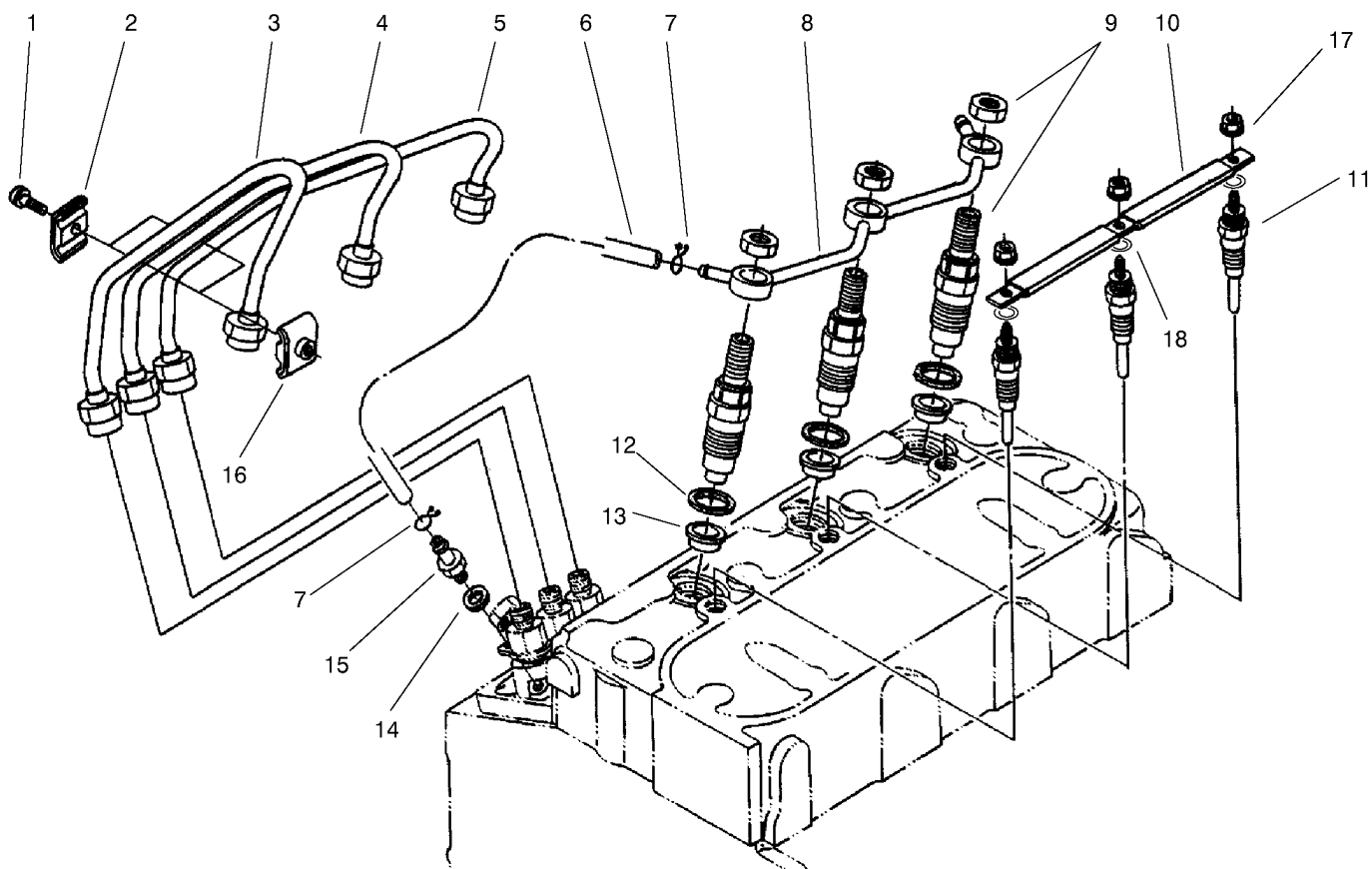
| Ref | Part No. | Qty. | Description       |
|-----|----------|------|-------------------|
| 24  | 98-9463  | 1    | Rack-Control      |
| 25  | 98-9465  | 1    | Plate             |
| 26  | 98-9442  | 4    | Screw             |
| 27  | 98-9426  | 3    | Pin-Guide, Tappet |
| 28  | 98-9450  | 1    | Pin-Clamp         |





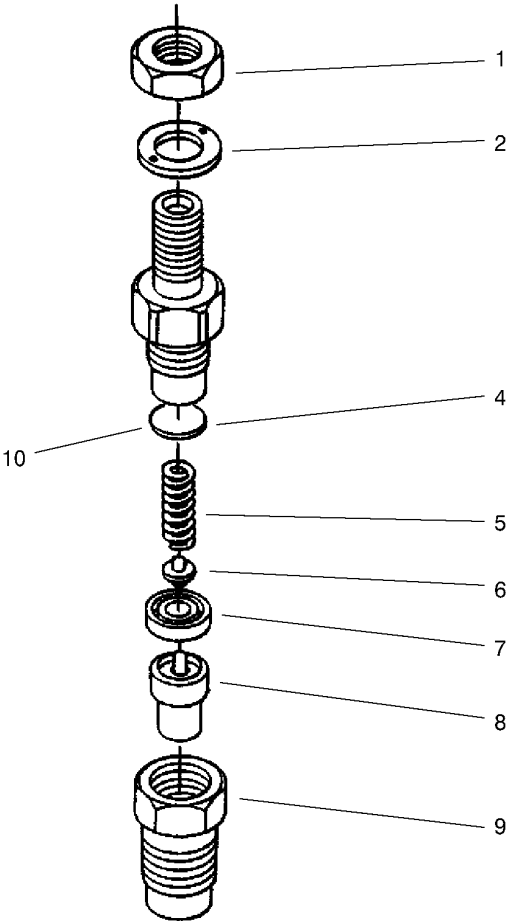
Speed Control Plate Assembly

| Ref | Part No. | Qty. | Description                                              |  |  |  |  |
|-----|----------|------|----------------------------------------------------------|--|--|--|--|
| 1   | 98-9589  | 2    | Nut                                                      |  |  |  |  |
| 2   | 98-9594  | 2    | Washer-Flat                                              |  |  |  |  |
| 3   | 98-9662  | 1    | Lever-Control, Speed                                     |  |  |  |  |
| 4   | 98-7602  | 2    | Pin-Spring                                               |  |  |  |  |
| 5   | 98-9572  | 2    | Lever-Control, Speed                                     |  |  |  |  |
| 6   | 98-9371  | 1    | O-Ring                                                   |  |  |  |  |
| 7   | 98-7572  | 2    | Nut                                                      |  |  |  |  |
| 8   | 98-9367  | 2    | Washer-Lock                                              |  |  |  |  |
| 9   | 98-9661  | 1    | Control Plate ASM (Incl. Ref. #1-6, 11, 13, 14, 16 & 17) |  |  |  |  |
| 10  | 98-9362  | 2    | Stud                                                     |  |  |  |  |
| 11  | 98-9658  | 1    | Governor Lever ASM                                       |  |  |  |  |
| 12  | 98-9637  | 1    | Gasket                                                   |  |  |  |  |
| 13  | 98-9664  | 1    | Shaft-Lever, Stop                                        |  |  |  |  |
| 14  | 98-9472  | 1    | Spring-Return                                            |  |  |  |  |
| 15  | 98-7692  | 1    | Bolt                                                     |  |  |  |  |
| 16  | 98-7601  | 1    | Seal-Oil                                                 |  |  |  |  |
| 17  | 98-9663  | 1    | Lever-Stop, Engine                                       |  |  |  |  |
| 18  | 99-8348  | 1    | Bolt                                                     |  |  |  |  |
| 19  | 98-7654  | 1    | Gasket                                                   |  |  |  |  |



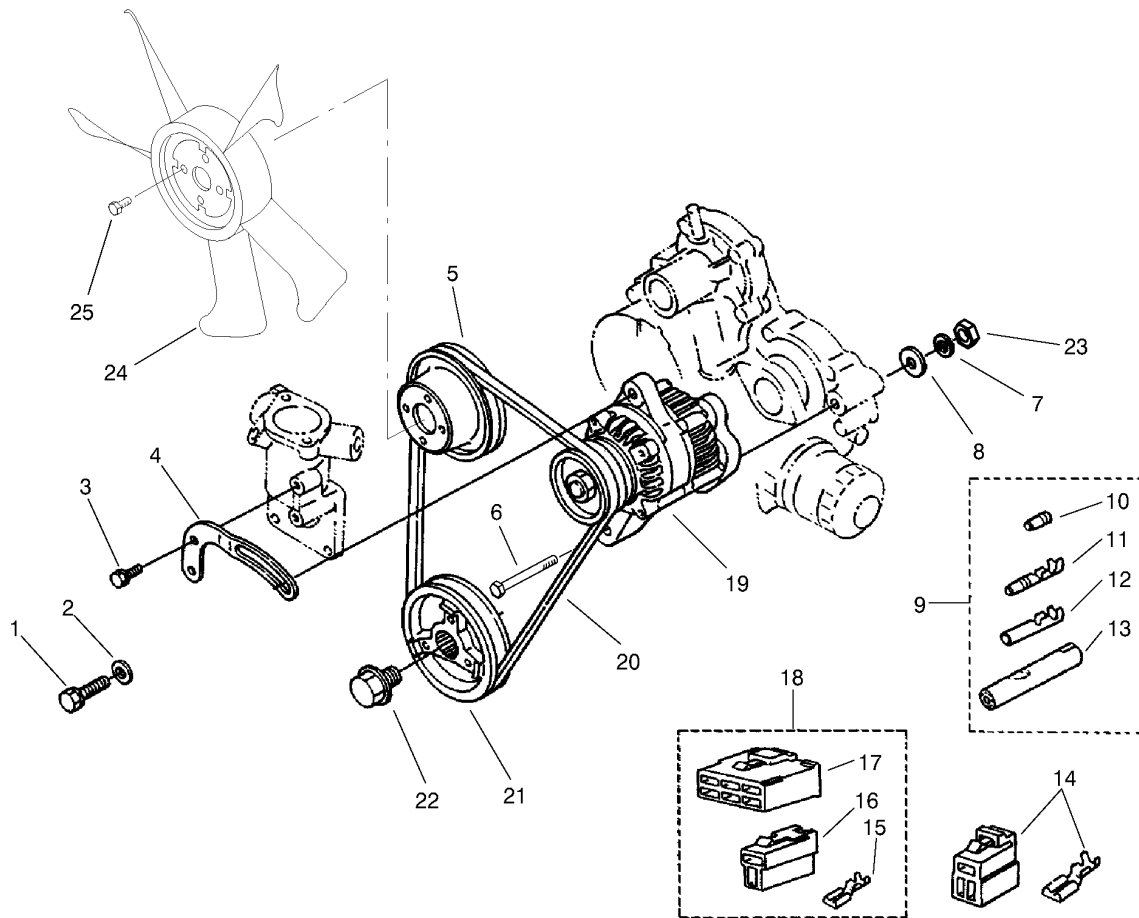
## Nozzle Holder and Glow Plug Assembly

| Ref | Part No. | Qty. | Description                      |  |  |  |  |
|-----|----------|------|----------------------------------|--|--|--|--|
| 1   | 98-7684  | 2    | Screw W/Washer                   |  |  |  |  |
| 2   | 98-7683  | 2    | Clamp-Pipe                       |  |  |  |  |
| 3   | 99-3460  | 1    | Pipe-Injection                   |  |  |  |  |
| 4   | 98-9654  | 1    | Pipe-Injection                   |  |  |  |  |
| 5   | 98-9655  | 1    | Pipe-Injection                   |  |  |  |  |
| 6   | 98-9624  | 1    | Overflow Pipe ASM(Incl. Ref. #7) |  |  |  |  |
| 7   | 98-7671  | 2    | Clip-Pipe                        |  |  |  |  |
| 8   | 98-9621  | 1    | Overflow Pipe ASM                |  |  |  |  |
| 9   | 98-9468  | 3    | Nozzle Holder ASM                |  |  |  |  |
| 10  | 98-9631  | 1    | Cord-Glow Plug                   |  |  |  |  |
| 11  | 98-9623  | 3    | Plug-Glow                        |  |  |  |  |
| 12  | 98-7676  | 3    | Gasket                           |  |  |  |  |
| 13  | 98-9694  | 3    | Seat-Heat                        |  |  |  |  |
| 14  | 98-7654  | 1    | Gasket                           |  |  |  |  |
| 15  | 98-9431  | 1    | Screw-Bleed, Air                 |  |  |  |  |
| 16  | 98-7682  | 2    | Clamp-Pipe                       |  |  |  |  |
| 17  | 99-8377  | 3    | Nut-Flange                       |  |  |  |  |
| 18  | 99-8378  | 3    | Washer-Plain                     |  |  |  |  |



Nozzle Holder Assembly

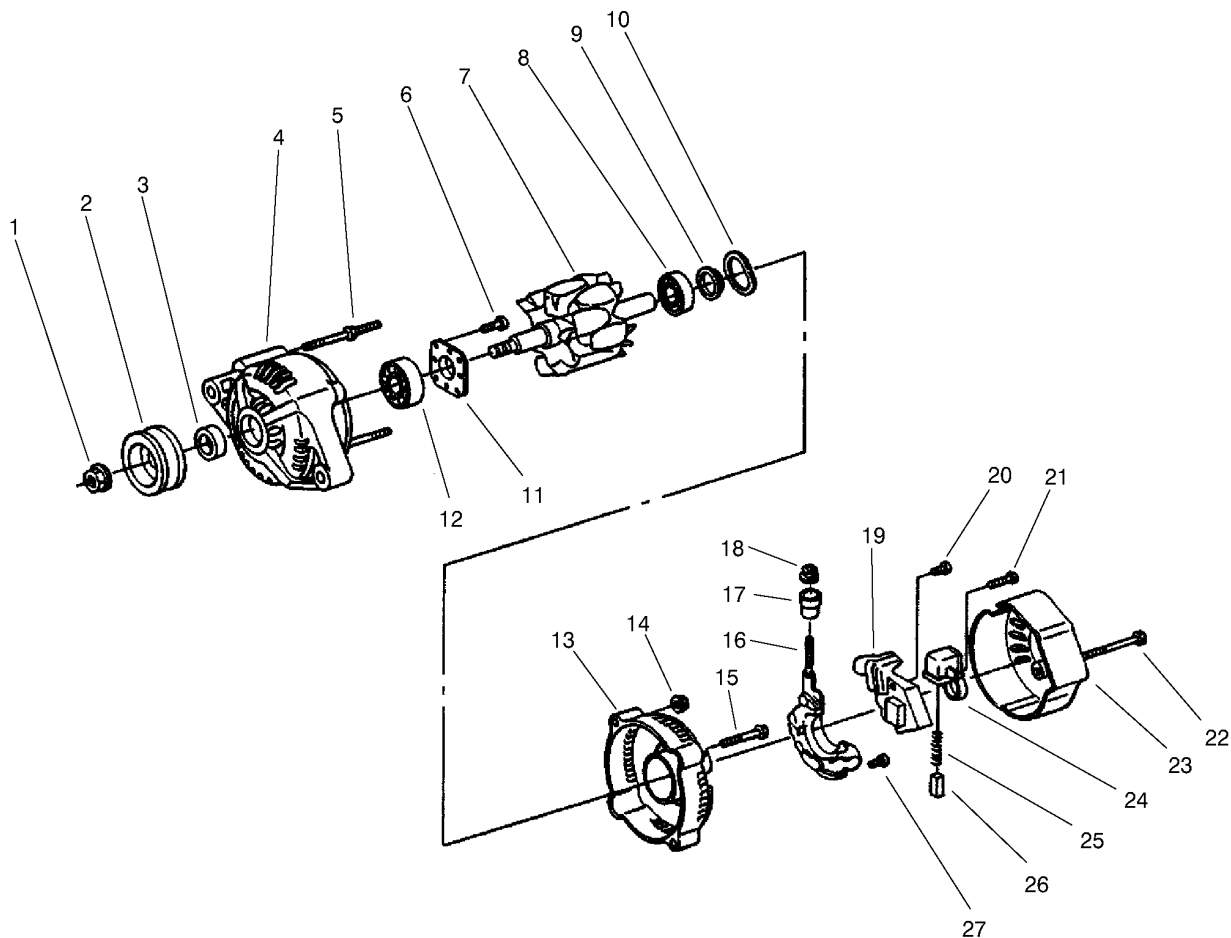
| Ref | Part No. | Qty. | Description                         |  |  |  |  |
|-----|----------|------|-------------------------------------|--|--|--|--|
| 1   | 99-8301  | 3    | Nut                                 |  |  |  |  |
| 2   | 99-8307  | 3    | Washer                              |  |  |  |  |
| 4   | 99-8302  | 3    | Washer-Adjusting                    |  |  |  |  |
| 5   | 99-8303  | 3    | Spring-Nozzle                       |  |  |  |  |
| 6   | 99-8305  | 3    | Rod-Push                            |  |  |  |  |
| 7   | 99-8304  | 3    | Piece-Distance                      |  |  |  |  |
| 8   | 99-8308  | 3    | Piece-Nozzle                        |  |  |  |  |
| 9   | 99-8306  | 3    | Nut-Nozzle                          |  |  |  |  |
| 10  | 99-8309  | 3    | Adjusting Washer ASM                |  |  |  |  |
| 2*  | 99-8310  | 3    | Washer-Adj. (0.10Mm)                |  |  |  |  |
| 2*  | 99-8311  | 3    | Washer-Adj. (0.20Mm)                |  |  |  |  |
| 10  | 99-8312  | 3    | Washer-Adj. (0.30Mm)                |  |  |  |  |
| 2*  | 99-8313  | 3    | Washer-Adj. (0.40Mm)                |  |  |  |  |
| 2*  | 99-8314  | 3    | Washer-Adj. (0.50Mm)                |  |  |  |  |
| 2*  | 99-8315  | 3    | Washer-Adj. (0.52Mm)                |  |  |  |  |
| 2*  | 99-8316  | 3    | Washer-Adj. (0.54Mm)                |  |  |  |  |
| 2*  | 99-8317  | 3    | Washer-Adj. (0.56Mm)                |  |  |  |  |
| 2*  | 99-8318  | 3    | Washer-Adj. (0.58Mm)                |  |  |  |  |
| 2*  | 99-8319  | 3    | Washer-Adj. (0.80Mm)                |  |  |  |  |
| 2*  | 98-9468  | 3    | Nozzle Holder ASM (Incl. Ref. #1-9) |  |  |  |  |



## Alternator and Pulley Assembly

| Ref | Part No. | Qty. | Description                      |
|-----|----------|------|----------------------------------|
| 1   | 98-7697  | 1    | Bolt                             |
| 2   | 98-7698  | 1    | Washer-Flat                      |
| 3   | 98-7692  | 1    | Bolt                             |
| 4   | 98-9573  | 1    | Stay-Dynamo                      |
| 5   | 99-3453  | 1    | Pulley-Fan                       |
| 6   | 98-9360  | 1    | Bolt                             |
| 7   | 98-9368  | 1    | Washer-Lock                      |
| 8   | 98-9366  | 1    | Washer-Flat                      |
| 9   | 98-9700  | 1    | Terminal ASM (Incl. Ref. #10-13) |
| 10  | 98-9701  | 1    | Terminal                         |
| 11  | 98-9702  | 1    | Sleeve                           |
| 12  | 98-9703  | 1    | Terminal                         |
| 13  | 98-9704  | 1    | Sleeve                           |
| 14  | 98-9602  | 1    | Lock Coupler ASM                 |
| 15  | 98-9699  | 7    | Terminal                         |
| 16  | 98-9698  | 1    | Connector                        |
| 17  | 98-9697  | 1    | Connector                        |
| 18  | 98-9696  | 1    | Coupler ASM(Incl. Ref. #15-17)   |
| 19  | 98-9474  | 1    | Alternator ASM                   |
| 20  | 99-3467  | 1    | V-Belt                           |
| 21  | 99-3456  | 1    | Pulley-Drive, Fan                |
| 22  | 98-9585  | 1    | Bolt                             |
| 23  | 98-7737  | 1    | Nut                              |
| 24  | 99-3461  | 1    | Fan                              |

| Ref | Part No.  | Qty. | Description |
|-----|-----------|------|-------------|
| 25  | 33103-012 | 4    | Screw-HHF   |

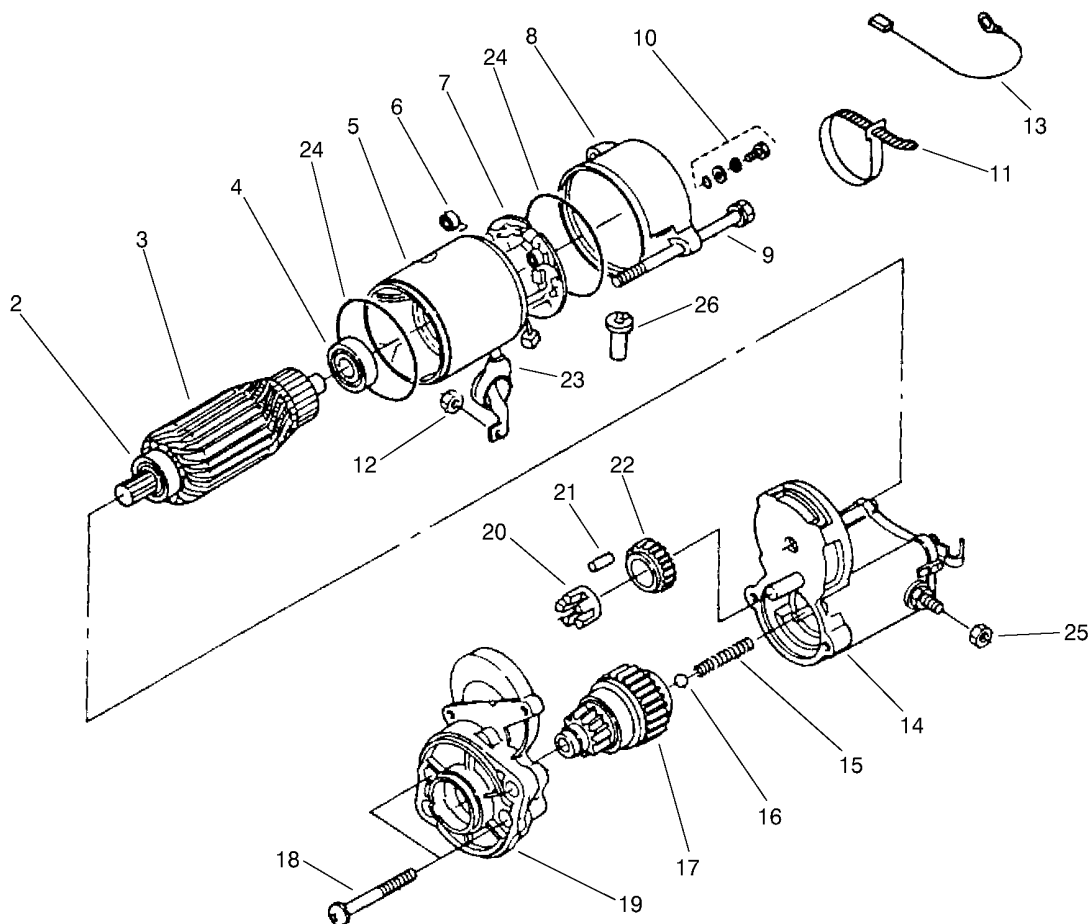


Alternator Assembly

| Ref | Part No. | Qty. | Description        |
|-----|----------|------|--------------------|
| 1   | 98-7708  | 1    | Nut                |
| 2   | 98-9453  | 1    | Pulley-Dynamo      |
| 3   | 98-7709  | 1    | Collar             |
| 4   | 98-7714  | 1    | Frame-End, Drive   |
| 5   | 98-7717  | 2    | Bolt-Through       |
| 6   | 98-7716  | 4    | Screw-RH           |
| 7   | 98-7710  | 1    | Rotor              |
| 8   | 98-7712  | 1    | Bearing-Ball       |
| 9   | 98-7711  | 1    | Cover-Bearing      |
| 10  | 98-7713  | 1    | Washer-Thrust      |
| 11  | 98-7715  | 1    | Plate-Retainer     |
| 12  | 98-7718  | 1    | Bearing-Ball       |
| 13  | 98-7719  | 1    | Frame-End          |
| 14  | 98-7730  | 2    | Nut                |
| 15  | 98-7731  | 2    | Bolt               |
| 16  | 98-7721  | 1    | Rectifier ASM      |
| 17  | 98-7722  | 1    | Bushing-Insulation |
| 18  | 98-7732  | 1    | Nut                |
| 19  | 98-7733  | 1    | Regulator ASM      |
| 20  | 98-7726  | 2    | Screw-RH           |
| 21  | 98-7728  | 1    | Screw-RH           |
| 22  | 98-7729  | 3    | Bolt               |
| 23  | 98-7720  | 1    | Cover-End          |
| 24  | 98-7723  | 1    | Holder-Brush       |

| Ref | Part No. | Qty. | Description                       |
|-----|----------|------|-----------------------------------|
| 25  | 98-7725  | 2    | Spring-Brush                      |
| 26  | 98-7724  | 2    | Brush                             |
| 27  | 98-7727  | 6    | Screw-RH                          |
| ②*  | 98-9474  | 1    | Alternator ASM (Incl. Ref. #1-27) |

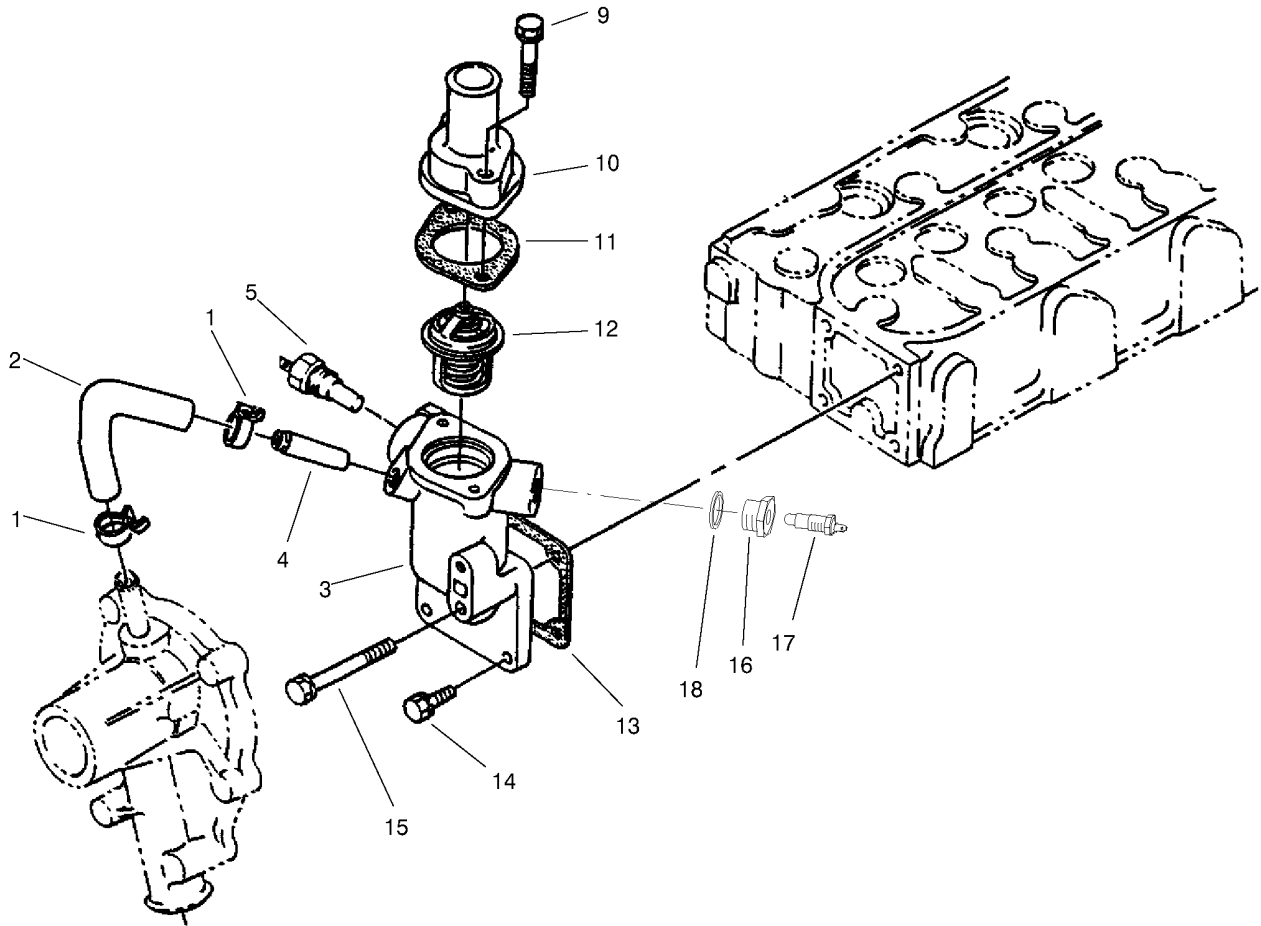




## Starter Assembly

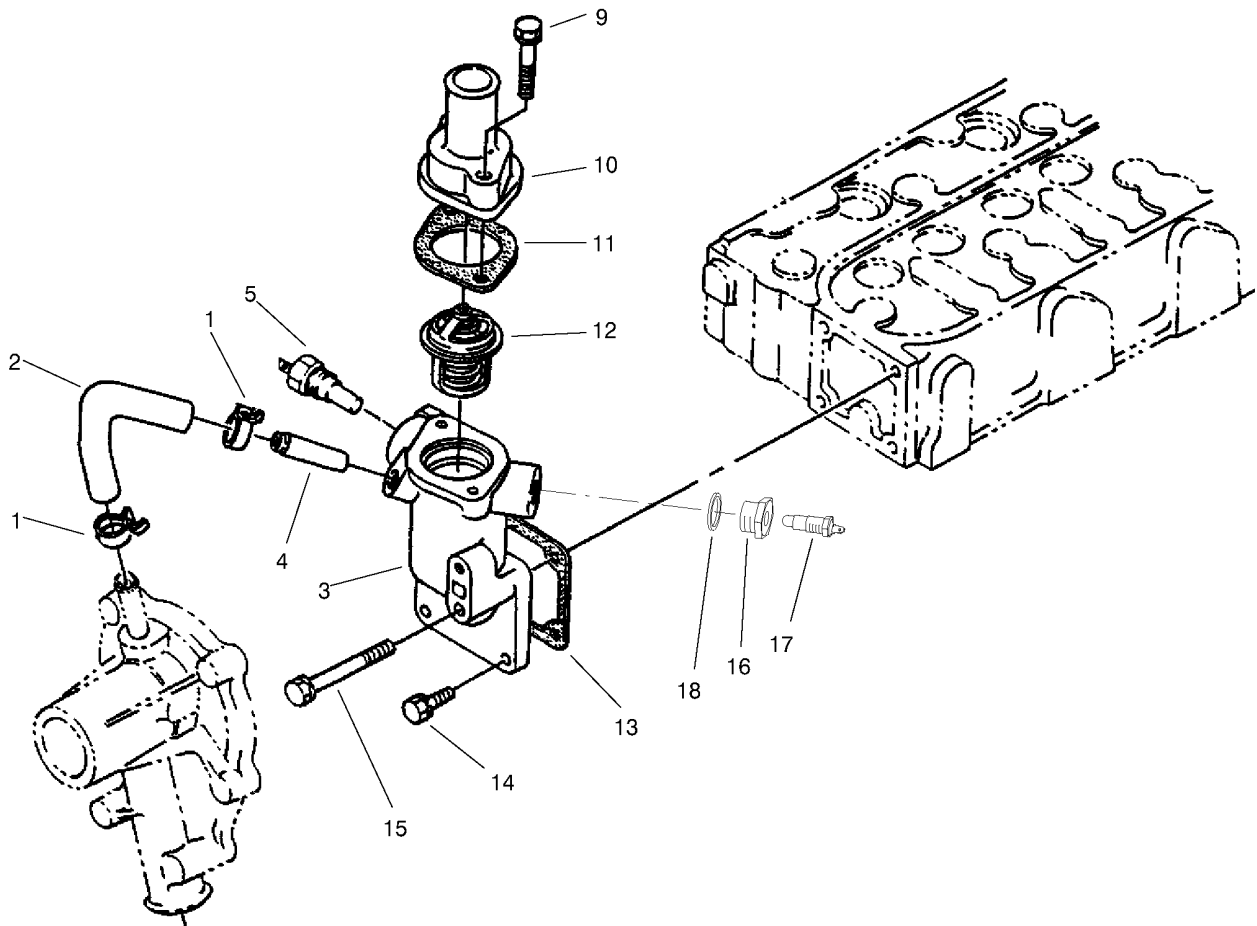
| Ref | Part No. | Qty. | Description                      |
|-----|----------|------|----------------------------------|
| 2   | 98-7743  | 1    | Bearing-Ball                     |
| 3   | 98-7742  | 1    | Armature ASM (Incl. Ref. #2 & 4) |
| 4   | 98-7744  | 1    | Bearing-Ball                     |
| 5   | 98-7741  | 1    | Yoke ASM                         |
| 6   | 98-7750  | 4    | Spring-Brush                     |
| 7   | 98-7749  | 1    | Brush Holder ASM (Incl. Ref. #6) |
| 8   | 98-9550  | 1    | Frame-End                        |
| 9   | 98-9419  | 2    | Bolt                             |
| 10  | 98-7758  | 2    | Bolt ASM                         |
| 11  | 98-9712  | 1    | Band-Cover                       |
| 12  | 98-9626  | 1    | Nut-Hex                          |
| 13  | 98-9711  | 1    | Cord-Stop, Solenoid              |
| 14  | 98-9709  | 1    | Magnetic Switch ASM              |
| 15  | 98-7754  | 1    | Spring                           |
| 16  | 98-7755  | 1    | Ball                             |
| 17  | 98-9621  | 1    | Clutch                           |
| 18  | 98-7756  | 2    | Bolt                             |
| 19  | 98-9623  | 1    | Frame-End, Drive                 |
| 20  | 98-7752  | 1    | Retainer                         |
| 21  | 98-7753  | 5    | Roller                           |
| 22  | 98-7751  | 1    | Gear                             |
| 23  | 98-9625  | 1    | Cover-Cord                       |
| 24  | 98-7757  | 2    | O-Ring                           |
| 25  | 98-9707  | 1    | Nut                              |

| Ref | Part No. | Qty. | Description                    |
|-----|----------|------|--------------------------------|
| 26  | 98-7759  | 1    | Pipe-Drain                     |
| ②*  | 98-9705  | 1    | Starter ASM (Incl. Ref. #2-26) |



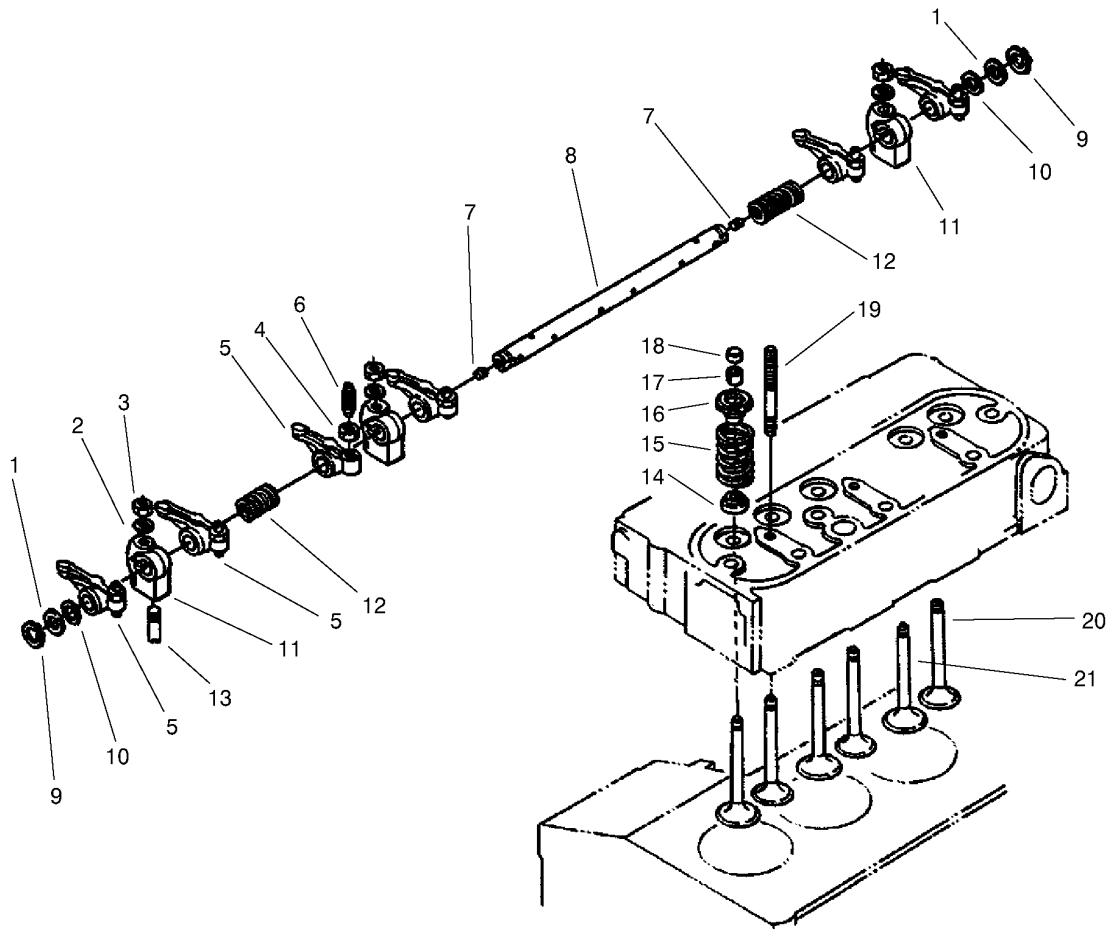
Water Flange and Thermostat Assembly

| Ref | Part No. | Qty. | Description                      |  |  |  |  |
|-----|----------|------|----------------------------------|--|--|--|--|
| 1   | 98-9579  | 2    | Band-Pipe                        |  |  |  |  |
| 2   | 98-9578  | 1    | Pipe-Return, Water               |  |  |  |  |
| 3   | 98-9713  | 1    | Water Flange ASM (Incl. Ref. #4) |  |  |  |  |
| 4   | 98-9580  | 1    | Pipe-Return, Water               |  |  |  |  |
| 5   | 98-9719  | 1    | Thermoswitch (105Øc)             |  |  |  |  |
| 9   | 98-7777  | 2    | Bolt                             |  |  |  |  |
| 10  | 98-9471  | 1    | Cover-Thermostat                 |  |  |  |  |
| 11  | 98-7776  | 1    | Gasket                           |  |  |  |  |
| 12  | 98-7778  | 1    | Thermostat ASM                   |  |  |  |  |
| 13  | 98-9638  | 1    | Gasket-Flange, Water             |  |  |  |  |
| 14  | 98-7692  | 3    | Bolt                             |  |  |  |  |
| 15  | 98-9356  | 1    | Bolt                             |  |  |  |  |
| 16  | 99-3581  | 1    | Adapter                          |  |  |  |  |
| 17  | 99-3582  | 1    | Thermoswitch (110Øc)             |  |  |  |  |
| 18  | 99-3583  | 1    | Packing                          |  |  |  |  |



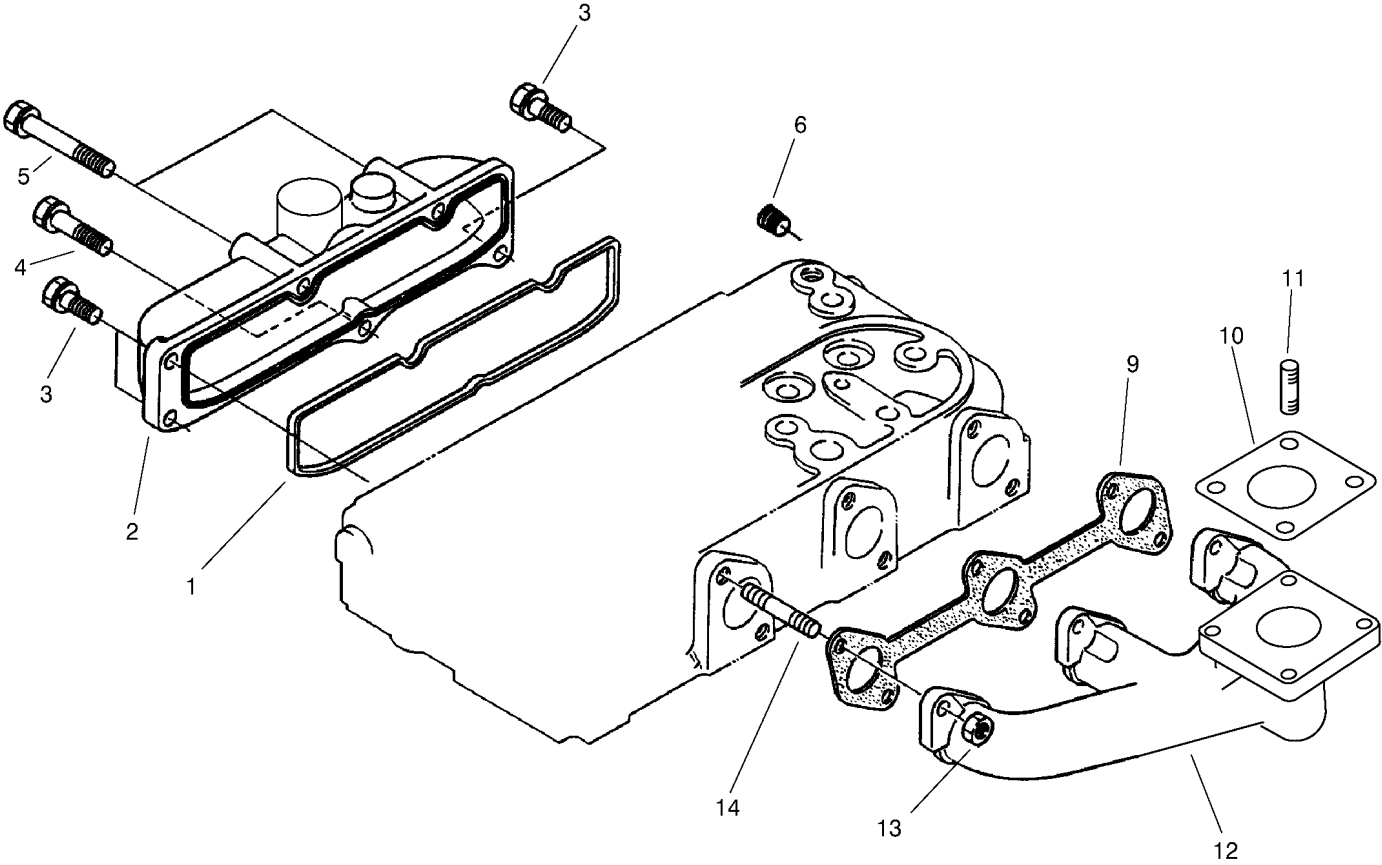
Water Pump Assembly

| Ref | Part No.  | Qty. | Description                      |  |  |  |  |
|-----|-----------|------|----------------------------------|--|--|--|--|
| 1   | 99-3455   | 1    | Water Pump ASM (Incl. Ref. #2-6) |  |  |  |  |
| 2   | 99-3516   | 1    | Flange-Pump, Water               |  |  |  |  |
| 3   | 99-3517   | 1    | Bearing                          |  |  |  |  |
| 4   | 98-9577   | 1    | Pipe-Return, Water               |  |  |  |  |
| 5   | 99-3518   | 1    | Seal ASM                         |  |  |  |  |
| 6   | 99-3519   | 1    | Impeller-Water                   |  |  |  |  |
| 7   | 99-3454   | 1    | Gasket-Pump, Water               |  |  |  |  |
| 8   | 33103-030 | 1    | Bolt                             |  |  |  |  |
| 9   | 98-9357   | 4    | Bolt                             |  |  |  |  |
| 10  | 98-9717   | 2    | Clamp                            |  |  |  |  |
| 11  | 98-9574   | 1    | Pipe-Water                       |  |  |  |  |
| 12  | 98-9716   | 1    | Pipe-Water                       |  |  |  |  |



## Valve and Rocker Arm Assembly

| Ref | Part No. | Qty. | Description                          |  |  |  |  |
|-----|----------|------|--------------------------------------|--|--|--|--|
| 1   | 98-9508  | 2    | Washer-Shaft,Rocker Arm              |  |  |  |  |
| 2   | 98-9385  | 3    | Washer-Flat                          |  |  |  |  |
| 3   | 98-9393  | 3    | Nut                                  |  |  |  |  |
| 4   | 98-9503  | 6    | Nut                                  |  |  |  |  |
| 5   | 98-9501  | 6    | Rocker Arm ASM (Incl. Ref. #4 & 6)   |  |  |  |  |
| 6   | 98-9502  | 6    | Screw-Adjusting                      |  |  |  |  |
| 7   | 98-9365  | 2    | Screw-Set                            |  |  |  |  |
| 8   | 98-9612  | 1    | Rocker Arm Shaft ASM (Incl. Ref. #7) |  |  |  |  |
| 9   | 98-9370  | 2    | Clip-Circular, External              |  |  |  |  |
| 10  | 98-9507  | 2    | Washer-Shaft, Rockerarm              |  |  |  |  |
| 11  | 98-9505  | 3    | Bracket-Arm, Rocker                  |  |  |  |  |
| 12  | 98-9504  | 2    | Spring-Arm, Rocker                   |  |  |  |  |
| 13  | 98-9391  | 1    | Screw-Set                            |  |  |  |  |
| 14  | 98-9496  | 6    | Seal-Stem, Valve                     |  |  |  |  |
| 15  | 98-9648  | 6    | Spring-Valve                         |  |  |  |  |
| 16  | 98-9498  | 6    | Retainer-Spring, Valve               |  |  |  |  |
| 17  | 98-9390  | 6    | Collet-Set,Valve Spring              |  |  |  |  |
| 18  | 98-9497  | 6    | Cap-Valve                            |  |  |  |  |
| 19  | 98-9506  | 3    | Stud                                 |  |  |  |  |
| 20  | 98-9495  | 3    | Valve-Exhaust                        |  |  |  |  |
| 21  | 98-9494  | 3    | Valve-Inlet                          |  |  |  |  |



Exhaust Manifold and Gasket Assembly

| Ref | Part No. | Qty. | Description             |  |  |  |  |
|-----|----------|------|-------------------------|--|--|--|--|
| 1   | 98-9609  | 1    | Gasket-Manifold, Inlet  |  |  |  |  |
| 2   | 99-3457  | 1    | Manifold-Inlet          |  |  |  |  |
| 3   | 98-7605  | 3    | Bolt                    |  |  |  |  |
| 4   | 98-9353  | 1    | Bolt                    |  |  |  |  |
| 5   | 98-9355  | 2    | Bolt                    |  |  |  |  |
| 6   | 98-9444  | 1    | Plug                    |  |  |  |  |
| 9   | 98-9610  | 1    | Gasket-Manifold,Exhaust |  |  |  |  |
| 10  | 98-9611  | 1    | Gasket-Muffler          |  |  |  |  |
| 11  | 42-9560  | 4    | Stud                    |  |  |  |  |
| 12  | 98-9718  | 1    | Manifold-Exhaust        |  |  |  |  |
| 13  | 98-9665  | 6    | Nut                     |  |  |  |  |
| 14  | 98-9588  | 6    | Stud                    |  |  |  |  |

## NOTES

