Form No. 3322-467 Rev B

TORO®

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Parts Catalog

# Reelmaster® 3100-D With Sidewinder®

**Model No. 03201—Serial No. 90001 and Up**

Register at www.Toro.com.
Original Instructions (EN)

*3322-467* B

# Ordering Replacement Parts

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

**Understanding Reference Numbers**

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

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

**Service Assembly Reference Numbers**

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

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

**Reference Numbers Indicating Quantity**

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

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

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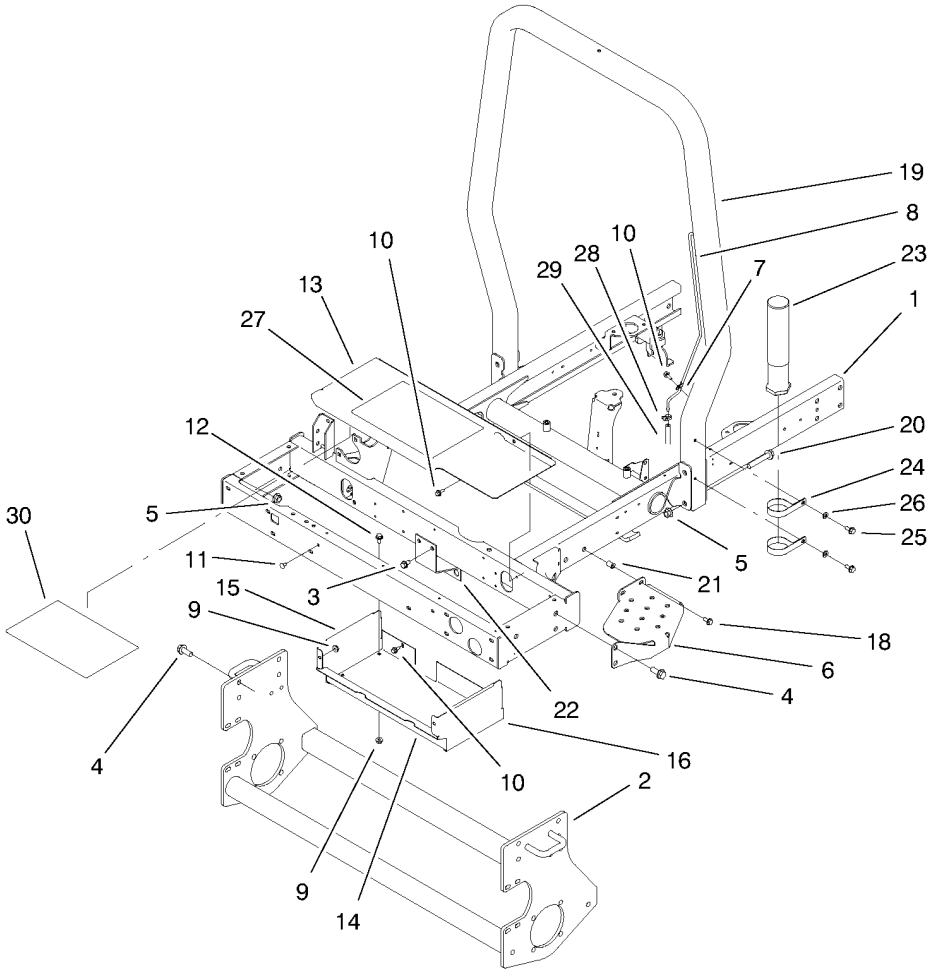




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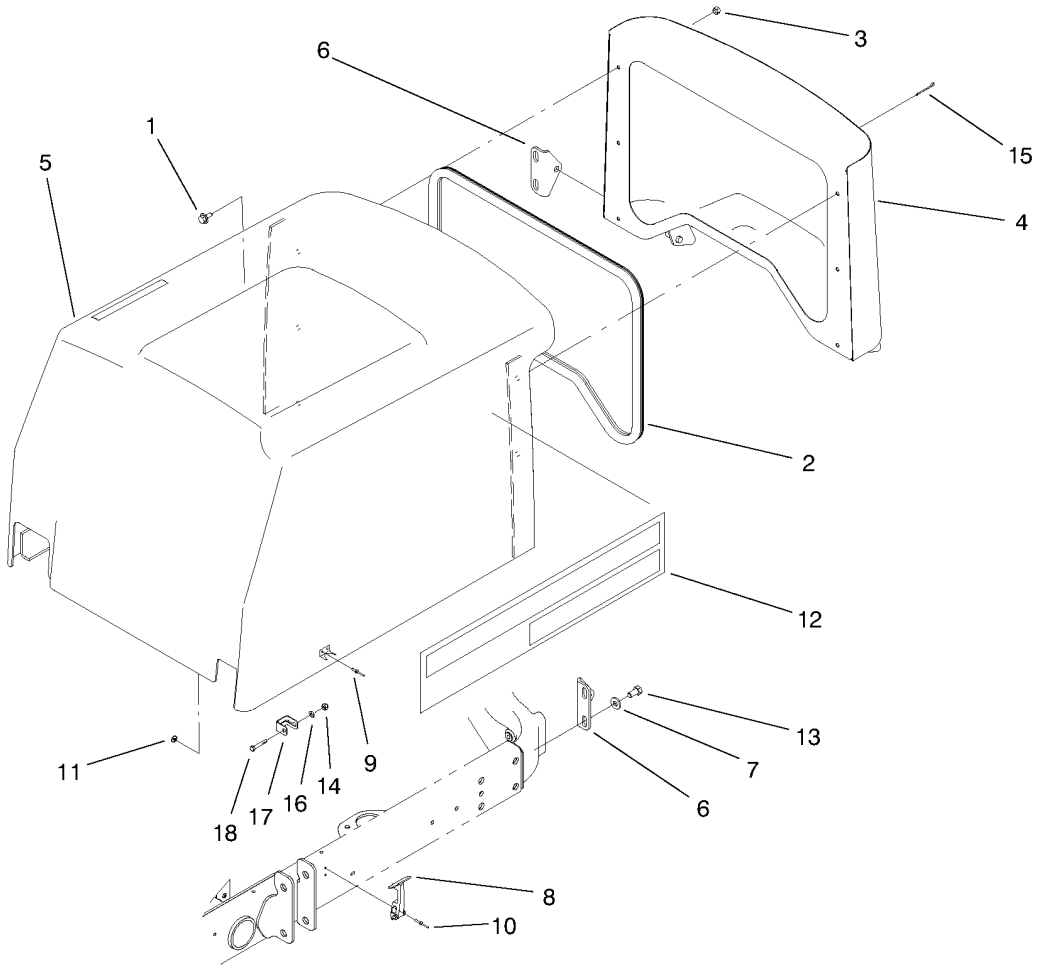
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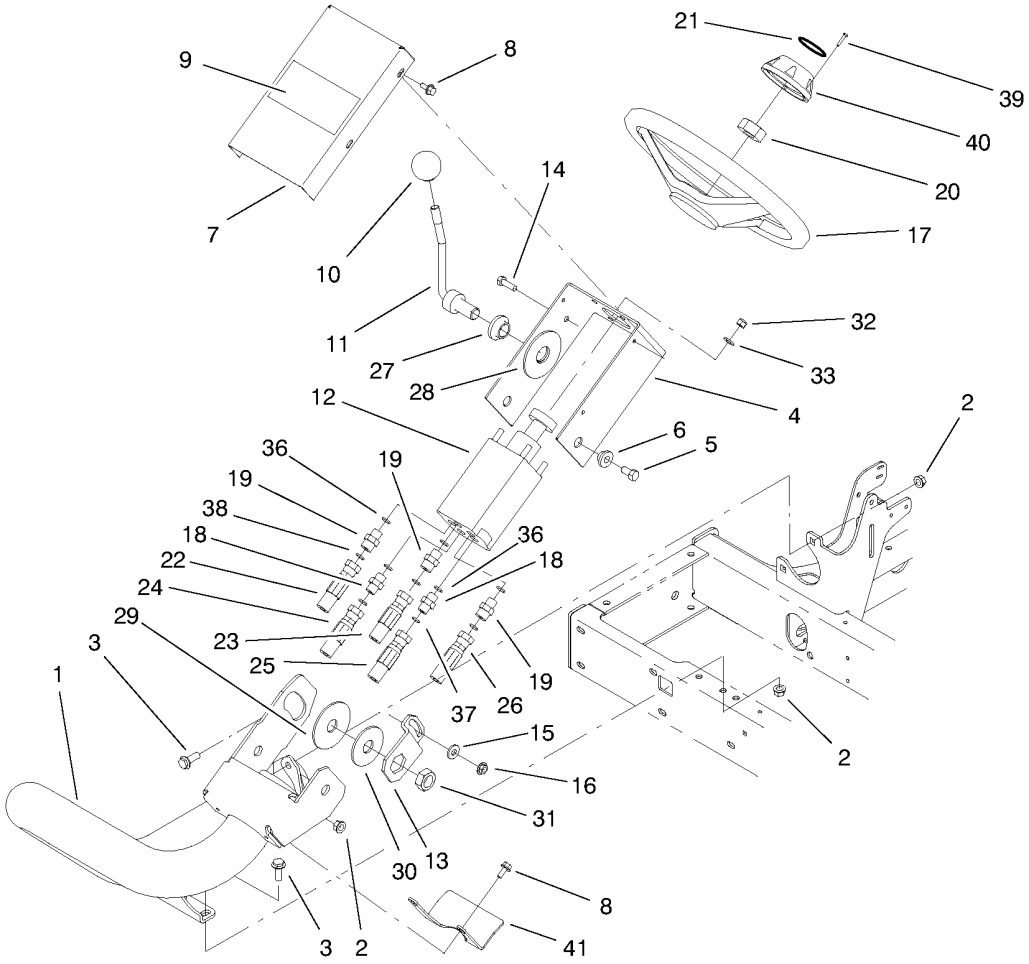

# Frame and Platform Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8590 | 1 | Frame Assembly |
| 2 | 95-8568 | 1 | Frame-Lower |
| 3 | 32144-15 | 2 | Screw-HWH |
| 4 | 3234-38 | 8 | Screw-Hfh |
| 5 | 32128-49 | 12 | Nut-Hex. Flange |
| 6 | 99-3375 | 1 | Step |
| 7 | 2412-72 | 3 | Clamp-R |
| 8 | 95-8615 | 1 | Tube-Breather |
| 9 | 32128-33 | 6 | Nut-Hex. Flange |
| 10 | 32144-10 | 14 | Screw-HH |
| 11 | 3229-10 | 2 | Screw-CARR |
| 12 | 3234-13 | 4 | Screw-Hfh |
| 13 | 99-3504 | 1 | Toolbox Cover Assembly (Incl. Ref. #27) |
| 14 | 99-3430 | 1 | Bottom-Toolbox |
| 15 | 99-3431 | 1 | End-Toolbox, RH |
| 16 | 99-3432 | 1 | End-Toolbox, LH |
| 18 | 3234-5 | 2 | Screw-Hfh |
| 19 | 99-3350 | 1 | Tube-ROPS |
| 20 | 3234-40 | 4 | Screw-Hfh |
| 21 | 32148-8 | 2 | Nut-Clinch |
| 22 | 95-8598 | 1 | Bracket-Bulkhead, Scissor |
| 23 | 74-0720 | 1 | Tube-Manual |
| 24 | 2412-133 | 2 | Clamp-R |
| 25 | 32144-70 | 2 | Screw |
| 26 | 3256-23 | 2 | Washer-Plain |
| 27 | 99-3496 | 1 | Decal-Danger |
| 27 | 99-3560 | 1 | Decal-Danger (Europe) |
| 28 | 2412-108 | 1 | Clamp-Hose |
| 29 | 99-3499 | 1 | Hose |
| 30 | 99-3494 | 1 | Decal-Service |




# Hood Assembly

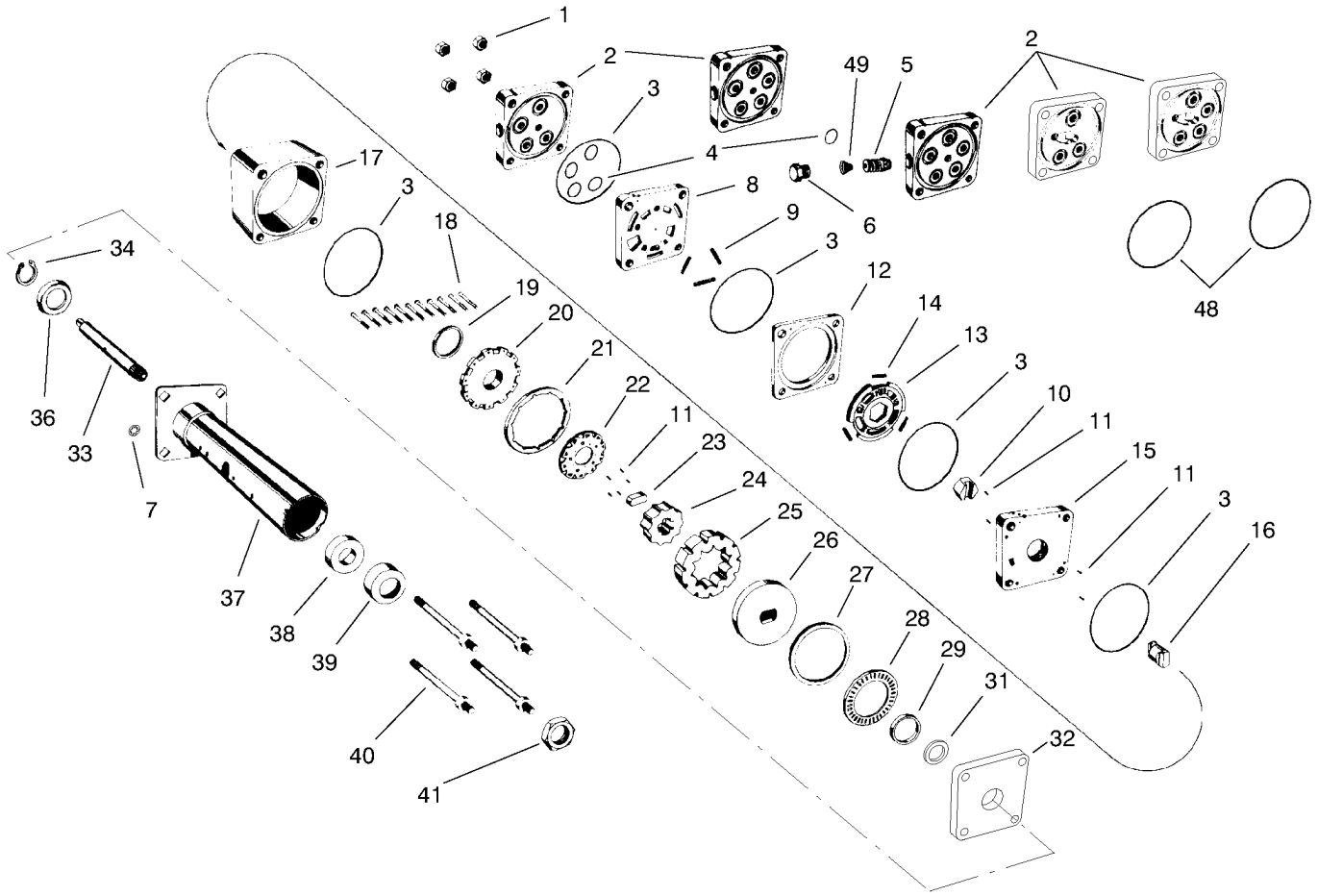
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 3234-4 | 6 | Screw-Hfh |
| 2 | 95-8809 | 1 | Trim-Seal |
| 3 | 3296-42 | 6 | Nut-Hex. Lock |
| 4 | 95-8724 | 1 | Screen Assembly-Hood |
| 5 | 95-8935 | 1 | Hood Assembly |
| 6 | 95-8728 | 2 | Bracket-Hood Pivot |
| 7 | 3256-24 | 4 | Washer-Flat |
| 8 | 59-9740 | 2 | Flex Draw Latch Assembly |
| 9 | 98-7310 | 4 | Rivet-Pop |
| 10 | 3290-55 | 4 | Rivet-Pop |
| 11 | 3269-10 | 4 | Washer-Flat |
| 12 | 99-3387 | 2 | Decal |
| 13 | 323-4 | 4 | Screw-HH |
| 14 | 3296-42 | 1 | Nut-Lock (Europe) |
| 15 | 3290-467 | 1 | Pin-Cotter, Hair |
| 16 | 3256-22 | 1 | Washer-Flat (Europe) |
| 17 | 99-3568 | 1 | Bracket-Hood Lock (Europe) |
| 18 | 321-9 | 1 | Screw-HH (Europe) |




# Steering Column Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8785 | 1 | Steering Arm Assembly |
| 2 | 32128-43 | 6 | Nut-Hex. Flange |
| 3 | 3234-11 | 4 | Screw-Hfh |
| 4 | 95-8793 | 1 | Bracket-Steering Valve |
| 5 | 323-5 | 2 | Screw-HH |
| 6 | 93-5988 | 2 | Hub-Pivot |
| 7 | 95-8794 | 1 | Cover-Steering |
| 8 | 32144-10 | 5 | Screw-HH |
| 9 | 67-1300 | 1 | Decal-Toro |
| 10 | 233-48 | 1 | Knob-Ball |
| 11 | 95-8798 | 1 | Lever Assembly |
| 12 | 95-8642 | 1 | Control-Steering (Incl. Ref. #20) |
| 13 | 80-2880 | 1 | Bracket-Tilt |
| 14 | 322-5 | 1 | Screw-HH |
| 15 | 3256-3 | 1 | Washer-Flat |
| 16 | 32128-44 | 1 | Nut-Hex. Flange |
| 17 | 68-5130 | 1 | Wheel-Steering (Incl. Ref. #39 & 40) |
| 18 | 340-1 | 2 | Fitting-Hydraulic (Incl. Ref. #36 & 37) |
| 19 | 340-2 | 3 | Fitting-Hydraulic (Incl. Ref. #36 & 38) |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 47-6990 | 1 | Nut-Steering Wheel |
| 21 | 68-5370 | 1 | Decal-Toro |
| 22 | 95-8842 | 1 | Hose Assembly |
| 23 | 95-8843 | 1 | Hose Assembly |
| 24 | 95-8844 | 1 | Hose Assembly |
| 25 | 95-8845 | 1 | Hose Assembly |
| 26 | 95-8846 | 1 | Hose Assembly |
| 27 | 99-3502 | 1 | Boss-Tilt Steering |
| 28 | 31-0390 | 1 | Disc-Friction |
| 29 | 82-9010 | 1 | Disc-Friction |
| 30 | 80-2930 | 1 | Washer-Flat |
| 31 | 3218-7 | 1 | Nut-Jam |
| 32 | 3296-4 | 4 | Nut-Lock NI |
| 33 | 3256-23 | 4 | Washer-Plain |
| 36 | 237-42 | 5 | O-Ring |
| 37 | 237-21 | 2 | O-Ring |
| 38 | 237-22 | 3 | O-Ring |
| 39 | 32144-21 | 6 | Screw-PPH |
| 40 | 68-5140 | 1 | Cap-Steering Wheel |
| 41 | 99-3405 | 1 | Shield-Steering |



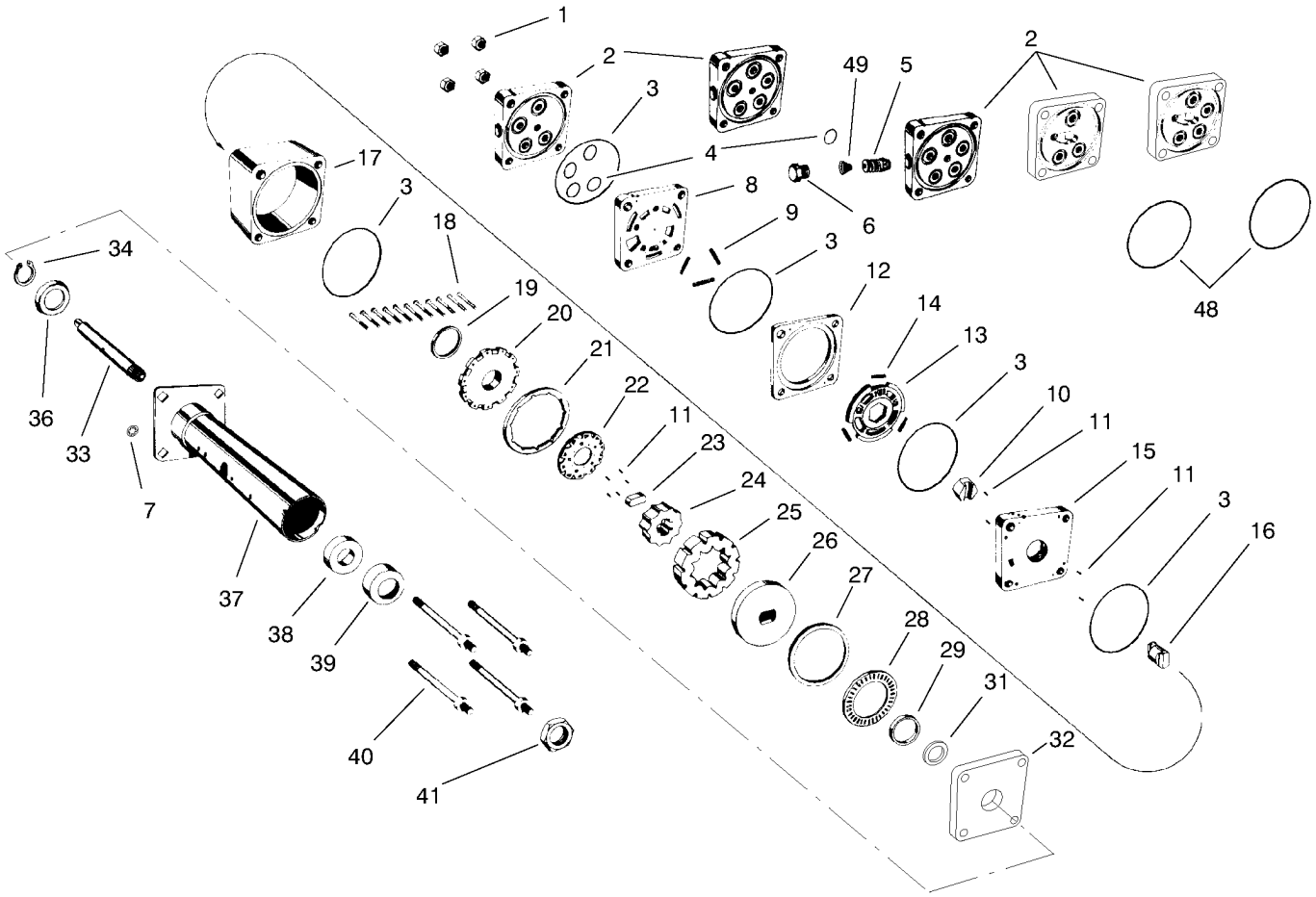

# Steering Control Valve Assembly No. 95-8642

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 4 | Nut |
| 2 | | 1 | Cover-Port |
| 3 | | 5 | Ring-Seal |
| 4 | | 3 | O-Ring |
| 5 | 99-3523 | 1 | Cartridge-Relief Valve (Incl. Ref. #49) |
| 6 | | 1 | Plug |
| 7 | 92-7316 | 4 | Nut-Push |
| 8 | | 1 | Manifold-Port |
| 9 | | 3 | Spring |
| 10 | | 1 | Hex. Drive Assembly |
| 11 | | 9 | Pin-Alignment |
| 12 | | 1 | Ring-Valve |
| 13 | | 1 | Plate-Valve |
| 14 | | 3 | Spring |
| 15 | | 1 | Manifold-Isolation |
| 16 | | 1 | Link-Drive |
| 17 | | 1 | Ring-Metering |
| 18 | | 11 | Screw-Hex. Socket Head |
| 19 | | 1 | Seal-Commutator |
| 20 | | 1 | Cover-Commutator |
| 21 | | 1 | Ring-Commutator |
| 22 | | 1 | Commutator |
| 23 | | 1 | Spacer-Drive Link |

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 24 | | 1 | Rotor |
| 25 | | 1 | Stator |
| 26 | | 1 | Plate-Drive |
| 27 | | 1 | Spacer-Thrust Bearing |
| 28 | | 1 | Bearing-Thrust |
| 29 | | 1 | Seal-Face |
| 31 | | 1 | Spacer-Seal |
| 32 | | 1 | Plate-Upper Cover |
| 33 | | 1 | Shaft-Input |
| 34 | | 1 | Ring-Retaining |
| 36 | | 1 | Plate-Retaining |
| 37 | | 1 | Upper Cover & Jacket Asm |
| 38 | | 1 | Bushing |
| 39 | | 1 | Seal |
| 40 | 99-3524 | 4 | Bolt-Special |
| 41 | 47-6990 | 1 | Nut |
| 48 | | 1 | Ring-Seal (White) |
| 49 | | 1 | Spring-Coil |
| 51 | | 1 | Spacer |
| * | 66-9970 | 1 | Kit-Spring (Incl. Ref. #9 & 14) ● |
| * | 66-9980 | 1 | Kit-Seal (Incl. Ref. #3, 19 & 29) ● |

● *Not Illustrated

■ * Not Illustrated

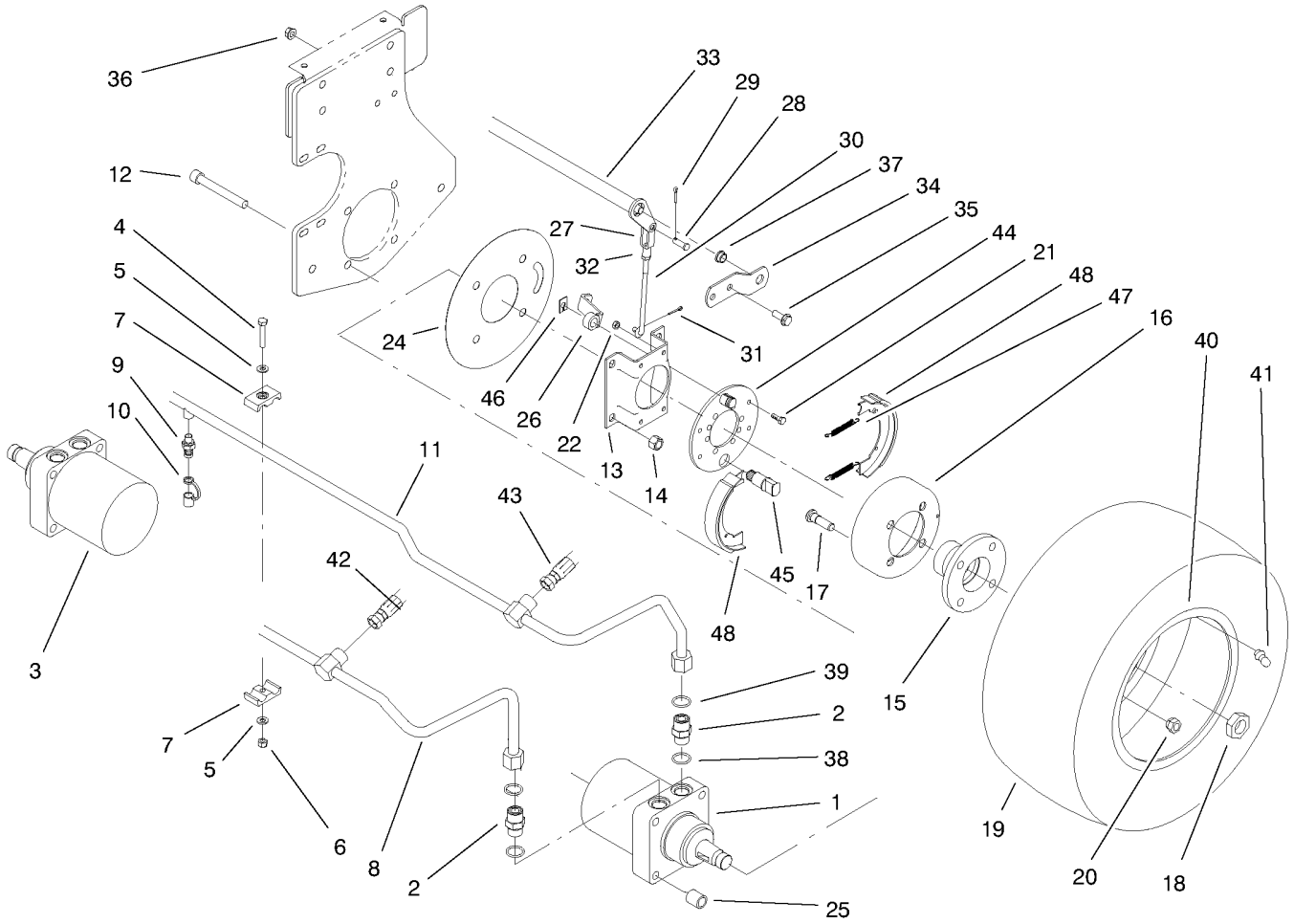



# Steering Control Valve Assembly No. 95-8642 (continued)

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| * | 66-9990 | 1 | Kit-Needle Roller (Incl. Ref. #11) ● |
| * | 99-3525 | 1 | Column Assembly (Incl. Ref. #7, 33-34, 37-39 & 41) ■ |

● *Not Illustrated

■ * Not Illustrated

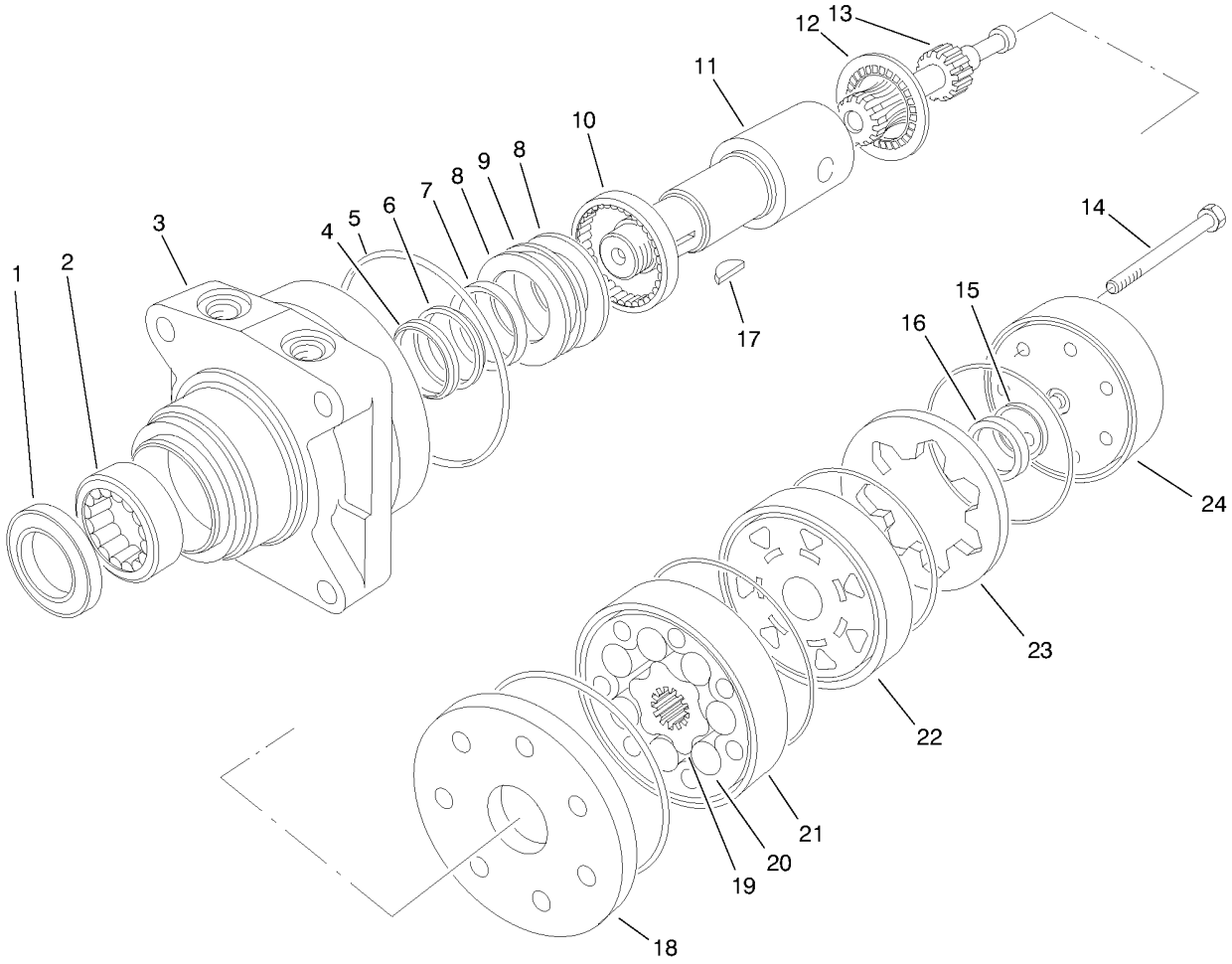



# Front Wheel and Brake Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 75-9990 | 1 | Motor-Hydraulic |
| 2 | 340-7 | 4 | Fitting-Hydraulic (Incl. Ref. #38 & 39) |
| 3 | 95-8693 | 1 | Motor-Hydraulic |
| 4 | 322-9 | 2 | Screw-HH |
| 5 | 3256-23 | 5 | Washer-Plain |
| 6 | 3296-29 | 2 | Nut-Hex. Lock |
| 7 | 56-7971 | 4 | Clamp-Tube |
| 8 | 95-8783 | 1 | Tube Assembly |
| 9 | 354-77 | 1 | Fitting-Quick Connect |
| 10 | 354-79 | 1 | Cap-Fitting, Yellow |
| 11 | 95-8784 | 1 | Tube Assembly |
| 12 | 3274-99 | 8 | Screw-HSH |
| 13 | 84-2000 | 2 | Bracket-Brake |
| 14 | 3296-23 | 8 | Nut-Hex. Lock |
| 15 | 93-6838 | 2 | Hub-Wheel |
| 16 | 10-6850 | 2 | Brake-Drum |
| 17 | 85-6540 | 8 | Stud-Drive |
| 18 | 26-3790 | 2 | Nut-Lock |
| 19 | 95-8656 | 2 | Tire |
| 20 | 242-50 | 8 | Nut-Lug |
| 21 | 321-5 | 8 | Screw-HH |
| 22 | 3296-42 | 11 | Nut-Hex. Lock |
| 24 | 95-8818 | 2 | Shield-Wheel |
| 25 | 92-1715 | 8 | Spacer |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 26 | 93-6850 | 2 | Brake Lever Assembly |
| 27 | 282-2 | 2 | Clevis-Adjustable |
| 28 | 283-1 | 2 | Pin-Clevis |
| 29 | 3272-10 | 4 | Pin-Cotter |
| 30 | 95-5824 | 2 | Rod-Adjustment |
| 31 | 3272-6 | 2 | Pin-Cotter |
| 32 | 3220-2 | 2 | Nut-Jam |
| 33 | 95-8685 | 1 | Shaft-Brake Pivot |
| 34 | 95-8683 | 2 | Bracket-Pivot, Brake |
| 35 | 3234-11 | 4 | Screw-Hfh |
| 36 | 32128-43 | 4 | Nut-Hex. Flange |
| 37 | 256-156 | 2 | Bushing-Flange |
| 38 | 237-80 | 2 | O-Ring |
| 39 | 237-65 | 2 | O-Ring |
| 40 | 99-3474 | 2 | Rim-Wheel |
| 41 | 232-27 | 2 | Valve Stem |
| 42 | 95-8832 | 1 | Hose Assembly |
| 43 | 95-8834 | 1 | Hose Assembly |
| 44 | 70-9870 | 1 | Plate-Backing |
| 45 | 70-9860 | 1 | Cam Shaft |
| 46 | 70-9850 | 1 | Clip-Retainer |
| 47 | 70-9880 | 2 | Spring-Return |
| 48 | 70-9840 | 2 | Shoe-Brake |
| * | 71-1500 | 2 | Brake Assembly (Incl. Ref. #44-48) ● |

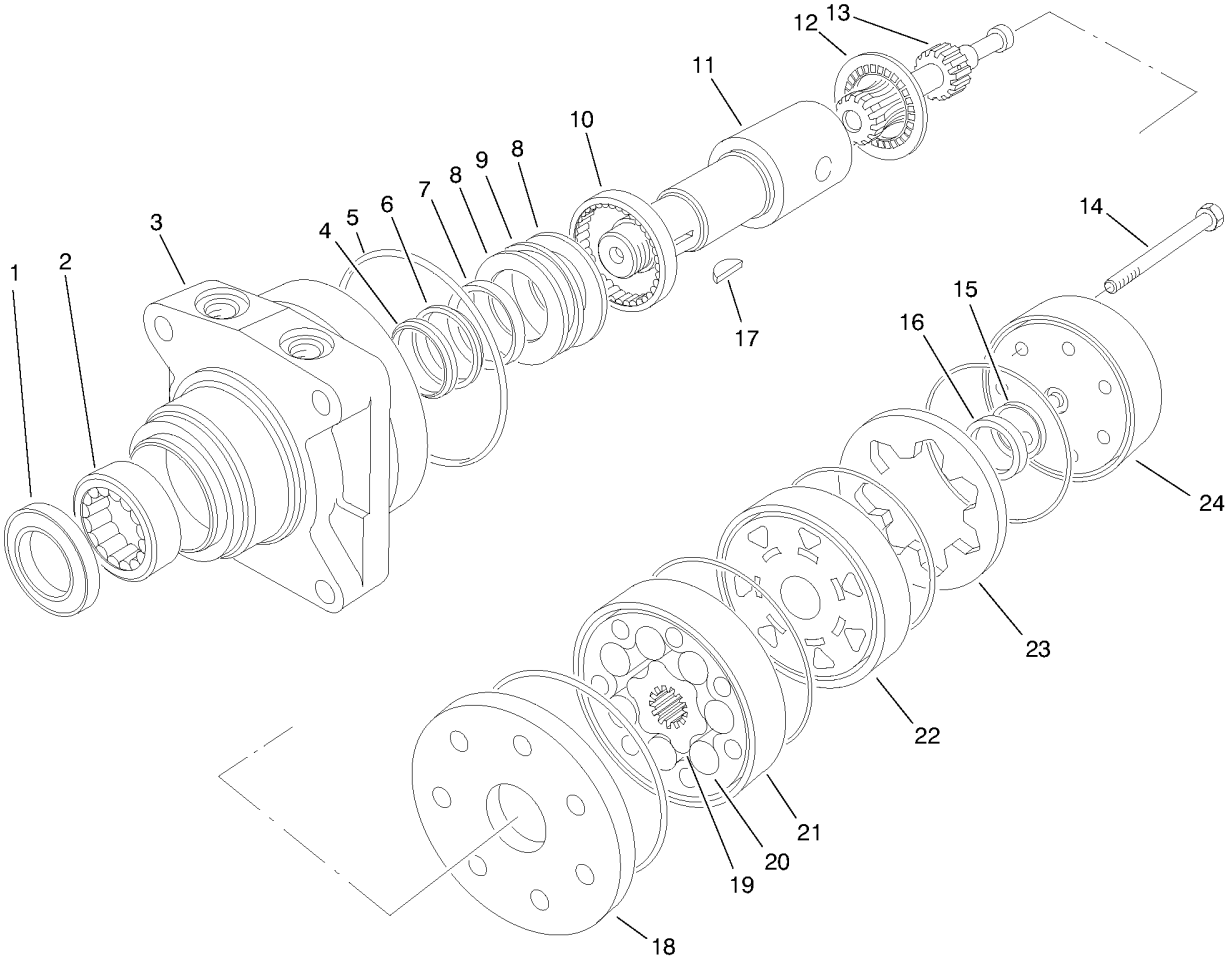
● * Not Illustrated




# Hydraulic Motor Assembly No. 75-9990

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Seal-Dirt And Water |
| 2 | | 1 | Bearing |
| 3 | | 1 | Housing |
| 4 | | 1 | Washer-Backup |
| 5 | | 5 | Seal Rings |
| 6 | | 1 | Washer-Backup |
| 7 | | 1 | Seal-Inner |
| 8 | | 2 | Washer-Thrust |
| 9 | | 1 | Bearing-Thrust |
| 10 | | 1 | Bearing |
| 11 | 76-0860 | 1 | Shaft-Coupling |
| 12 | 76-0850 | 1 | Bearing-Thrust |
| 13 | 76-0960 | 1 | Link-Drive |
| 14 | 76-1010 | 7 | Screw-Hex. Hd. |
| 15 | | 1 | Seal-Commutator |
| 16 | | 1 | Commutator |
| 17 | 3257-42 | 1 | Key-Woodruff |
| 18 | 76-0870 | 1 | Plate-Wear |
| 19 | | 1 | Rotor |
| 20 | | 7 | Vane |
| 21 | | 1 | Stator |
| 22 | 76-0840 | 1 | Manifold |
| 23 | | 1 | Ring-Commutator |
| 24 | 76-0940 | 1 | Asm-End Cover |
| * | 76-0970 | 1 | Rotor Set (Incl. Ref. #19-21) ● |
| * | 76-0880 | 1 | Asm-Commutator (Incl. Ref. #15, 16 & 23) ● |
| * | 76-0800 | 1 | Kit-Seal (Incl. Ref. #1, 4-7 & 15) ● |
| * | 76-0810 | 1 | Asm-Housing (Incl. Ref. #2, 3 & 8-10) ● |

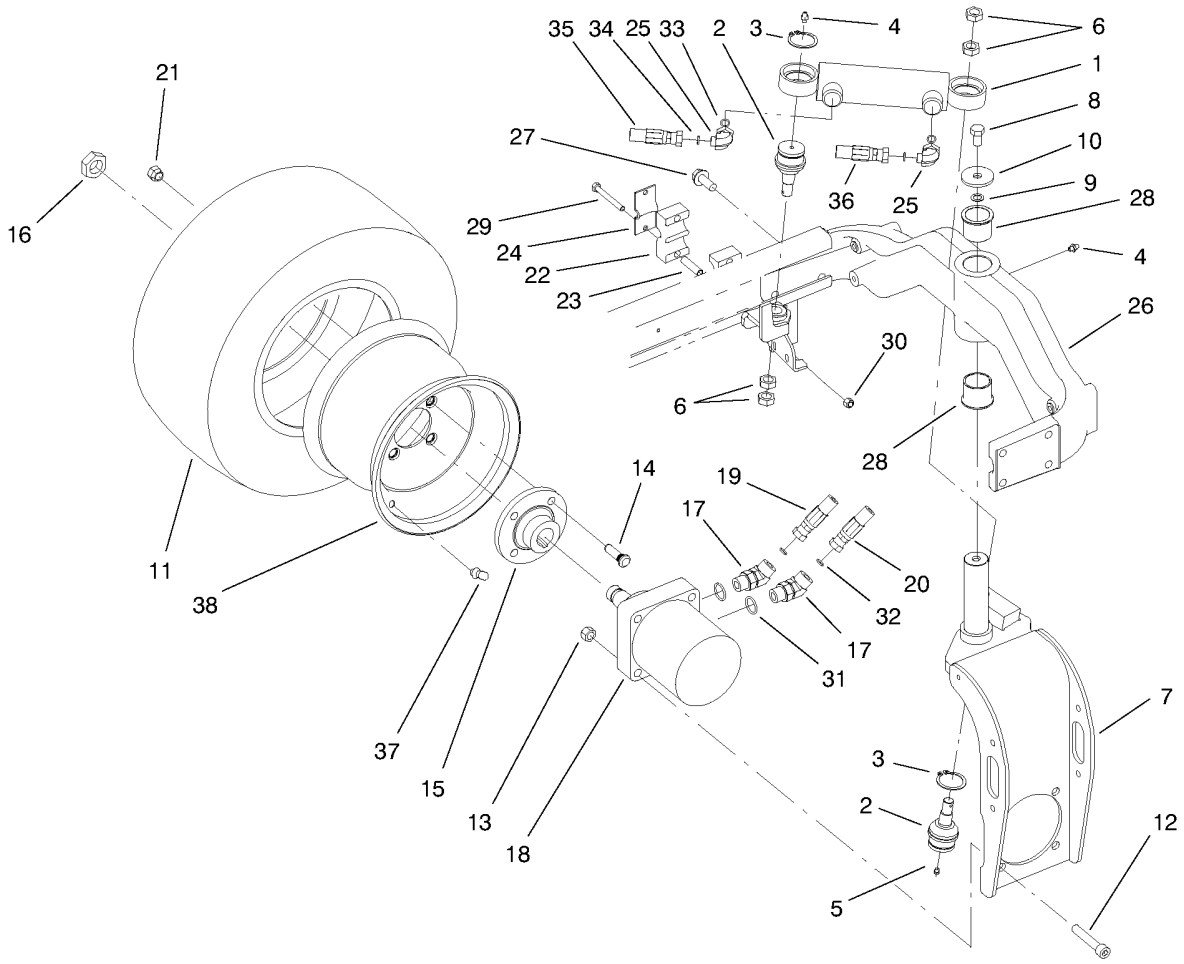
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# Hydraulic Motor Assembly No. 95-8693

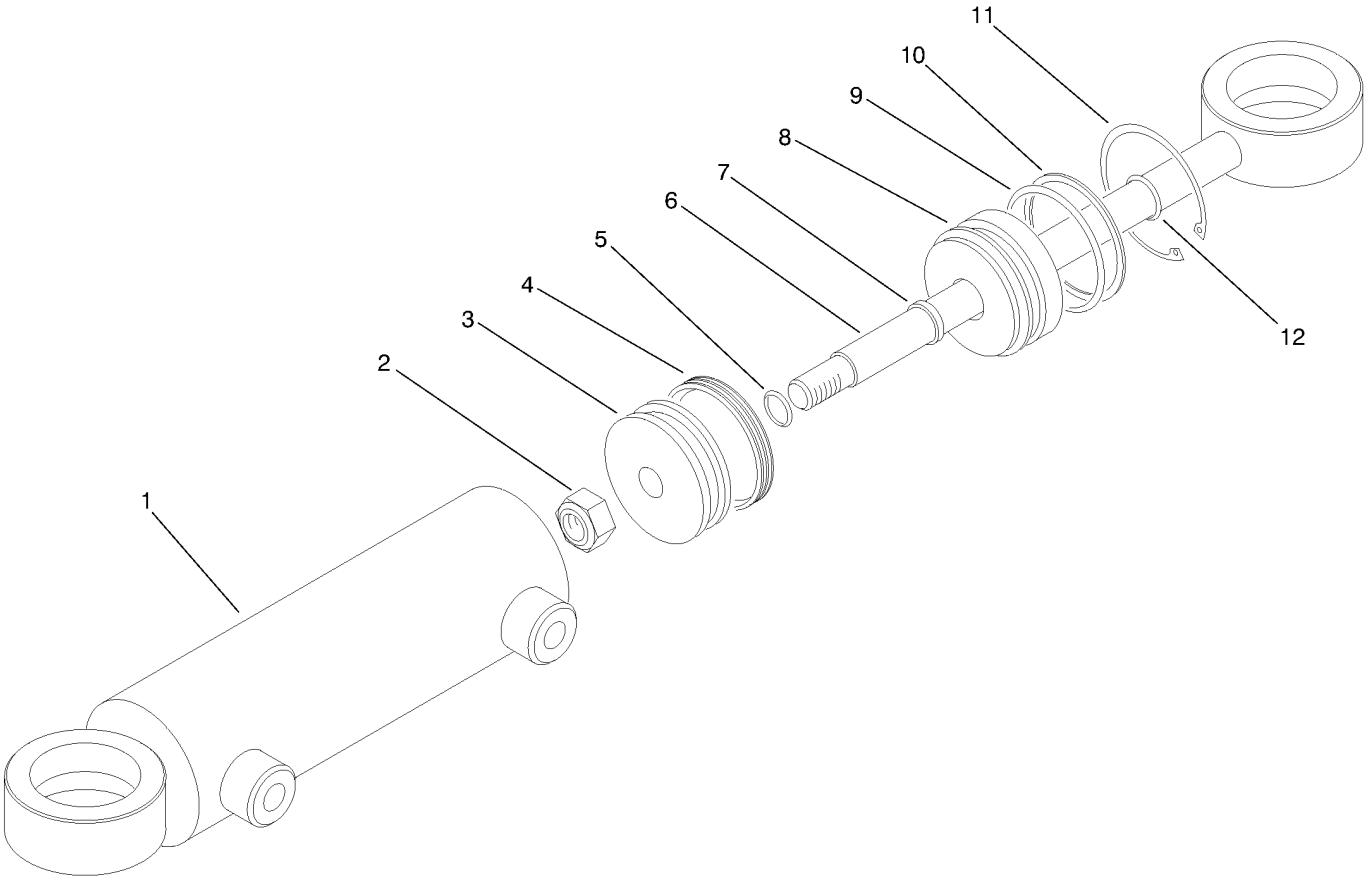
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Seal-Dirt And Water |
| 2 | | 1 | Bearing |
| 3 | | 1 | Housing |
| 4 | | 1 | Washer-Backup |
| 5 | | 5 | Seal Rings |
| 6 | | 1 | Washer-Backup |
| 7 | | 1 | Seal-Inner |
| 8 | | 2 | Washer-Thrust |
| 9 | | 1 | Bearing-Thrust |
| 10 | | 1 | Bearing |
| 11 | 76-0860 | 1 | Shaft-Coupling |
| 12 | 76-0850 | 1 | Bearing-Thrust |
| 13 | 76-0960 | 1 | Link-Drive |
| 14 | 76-1010 | 7 | Screw-Hex. Hd. |
| 15 | | 1 | Seal-Commutator |
| 16 | | 1 | Commutator |
| 17 | 3257-42 | 1 | Key-Woodruff |
| 18 | 76-0870 | 1 | Plate-Wear |
| 19 | | 1 | Rotor |
| 20 | | 7 | Vane |
| 21 | | 1 | Stator |
| 22 | 99-3535 | 1 | Manifold |
| 23 | | 1 | Ring-Commutator |
| 24 | 76-0940 | 1 | Asm-End Cover |
| * | 76-0970 | 1 | Rotor Set (Incl. Ref. #19-21) ● |
| * | 76-0880 | 1 | Asm-Commutator (Incl. Ref. #15, 16 & 23) ● |
| * | 76-0800 | 1 | Kit-Seal (Incl. Ref. #1, 4-7 & 15) ● |
| * | 76-0810 | 1 | Asm-Housing (Incl. Ref. #2, 3 & 8-10) ● |

● * Not Illustrated




# Rear Fork and Tire Assembly

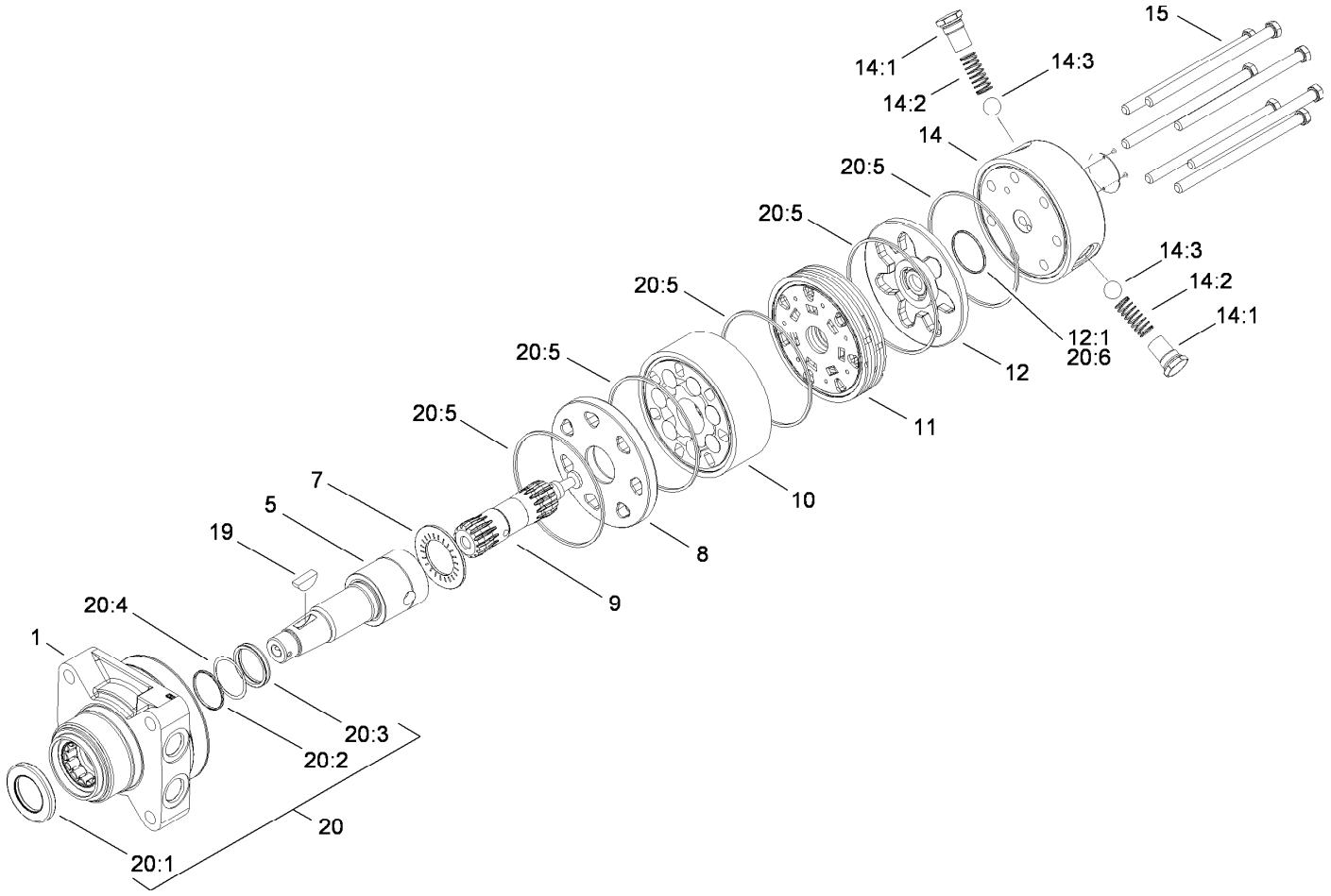
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 94-8141 | 1 | Hydraulic Cylinder Assembly |
| 2 | 92-5838 | 2 | Ball Joint |
| 3 | 32151-104 | 2 | Ring-Retaining, External |
| 4 | 302-5 | 2 | Fitting-Grease, Straight |
| 5 | 302-59 | 1 | Plug-Grease Fitting |
| 6 | 3220-6 | 4 | Nut-Jam |
| 7 | 95-8905 | 1 | Rear Fork Assembly |
| 8 | 325-3 | 1 | Screw-HH |
| 9 | 3255-2 | 1 | Washer-Lock, External |
| 10 | 75-7730 | 1 | Washer-Thrust |
| 11 | 95-8656 | 1 | Tire |
| 12 | 3274-93 | 4 | Screw-HSH |
| 13 | 3296-23 | 4 | Nut-Hex. Lock |
| 14 | 10-6830 | 4 | Stud-Drive |
| 15 | 10-6870 | 1 | Hub-Wheel |
| 16 | 26-3790 | 1 | Nut-Lock |
| 17 | 340-14 | 2 | Fitting-Hydraulic, 45Ø (Incl. Ref. #31 & 32) |
| 18 | 95-8694 | 1 | Motor-Hydraulic |
| 19 | 95-8832 | 1 | Hose Assembly |
| 20 | 95-8833 | 1 | Hose Assembly |
| 21 | 242-50 | 4 | Nut-Lug |
| 22 | 82-8170 | 2 | Clamp |
| 23 | 93-7960 | 2 | Spacer |
| 24 | 93-7961 | 1 | Clamp-Case Drain |
| 25 | 340-132 | 2 | Fitting-Hydraulic (Incl. Ref. #33 & 34) |
| 26 | 95-8577 | 1 | Casting-Rear |
| 27 | 3234-38 | 8 | Screw-Hfh |
| 28 | 95-8805 | 2 | Bushing |
| 29 | 322-13 | 2 | Screw-HH |
| 30 | 3296-29 | 2 | Nut-Hex. Lock |
| 31 | 237-80 | 2 | O-Ring |
| 32 | 237-65 | 2 | O-Ring |
| 33 | 237-78 | 2 | O-Ring |
| 34 | 237-21 | 2 | O-Ring |
| 35 | 95-8844 | 1 | Hose Assembly |
| 36 | 95-8845 | 1 | Hose Assembly |
| 37 | 232-27 | 1 | Valve Stem |
| 38 | 95-8657 | 1 | Rim-Wheel |




# Hydraulic Cylinder Assembly No. 94-8141

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 94-9955 | 1 | Asm-Barrel |
| 2 | 32152-10 | 1 | Nut-Lock |
| 3 | 94-9957 | 1 | Piston |
| 4 | | 1 | Uniring |
| 5 | | 1 | O-Ring |
| 6 | 94-9956 | 1 | Asm-Piston Rod |
| 7 | | 1 | Seal-Rod |
| 8 | 94-9958 | 1 | Gland-Cylinder |
| 9 | | 1 | O-Ring |
| 10 | | 1 | Backup |
| 11 | 32120-8 | 1 | Ring-Retaining |
| 12 | | 1 | O-Ring |
| * | 86-5390 | 1 | Kit-Seal (Incl. Ref. #4, 5, 7, 9, 10 & 12) ● |

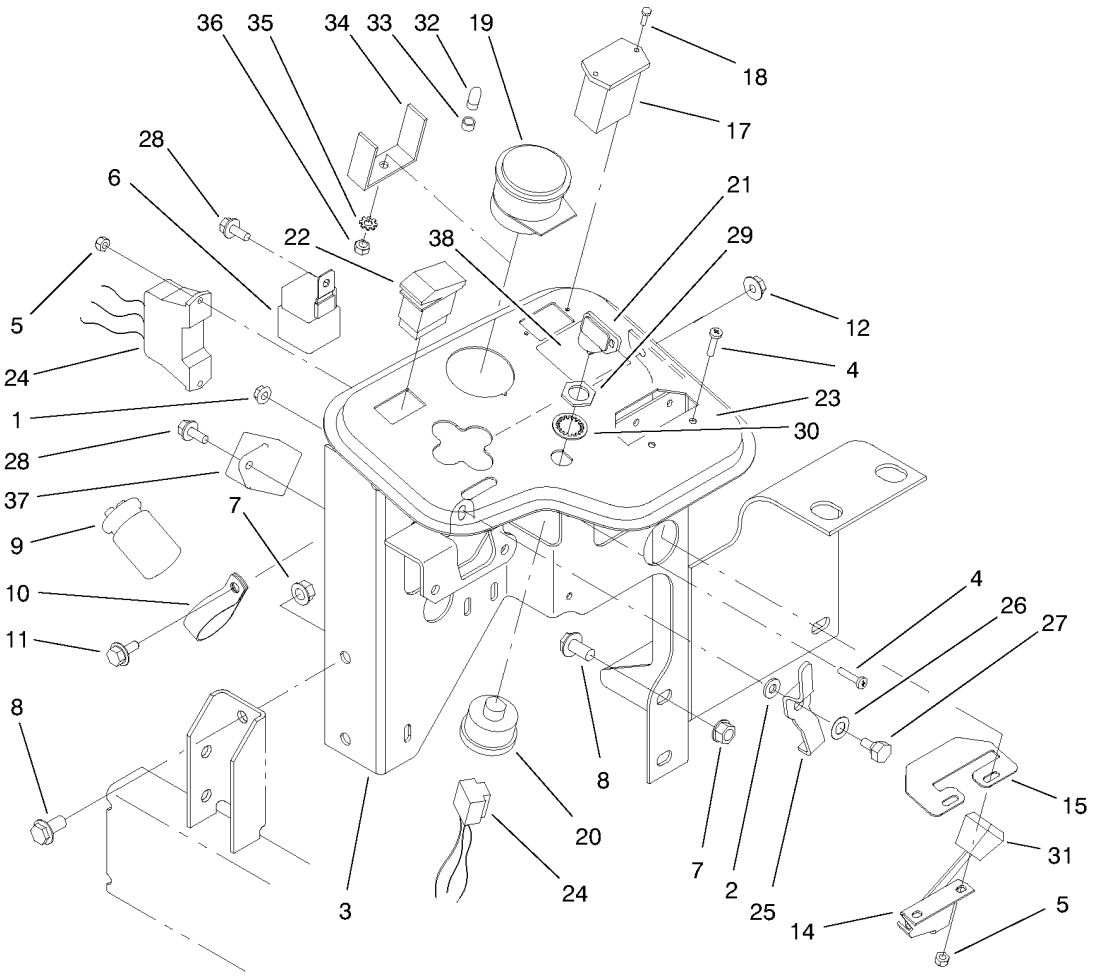
● * Not Illustrated




# Hydraulic Motor Assembly No. 95-8694

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 76-0810 | 1 | Housing ASM |
| 5 | 99-3090 | 1 | Shaft-Coupling |
| 7 | 76-0850 | 1 | Bearing-Thrust |
| 8 | 76-0870 | 1 | Plate-Wear |
| 9 | 99-3537 | 1 | Link-Drive |
| 10 | 99-3539 | 1 | Set-Rotor |
| 11 | 99-3535 | 1 | Manifold |
| 12 | 76-0880 | 1 | Commutator ASM |
| 12:1 | | 1 | Seal-Commutator ● |
| 14 | 99-3538 | 1 | End Cover ASM |
| 14:1 | | 1 | Spring Cap And O-Ring ASM ● |
| 14:2 | 99-3541 | 1 | Spring |
| 14:3 | 99-3540 | 1 | Ball |
| 15 | 99-3536 | 7 | Screw-HH |
| 19 | 3257-42 | 1 | Key-Woodruff |
| 20 | 94-8178 | 1 | Seal Kit |
| 20:1 | | 1 | Seal-Dirt And Water ● |
| 20:2 | | 1 | Backup-Ring ● |
| 20:3 | | 1 | Seal-Shaft ● |
| 20:4 | | 1 | Washer-Back Up ● |
| 20:5 | | 5 | Seal-Square, Ring (Inner) ● |
| 20:6 | | 1 | Seal-Commutator ● |

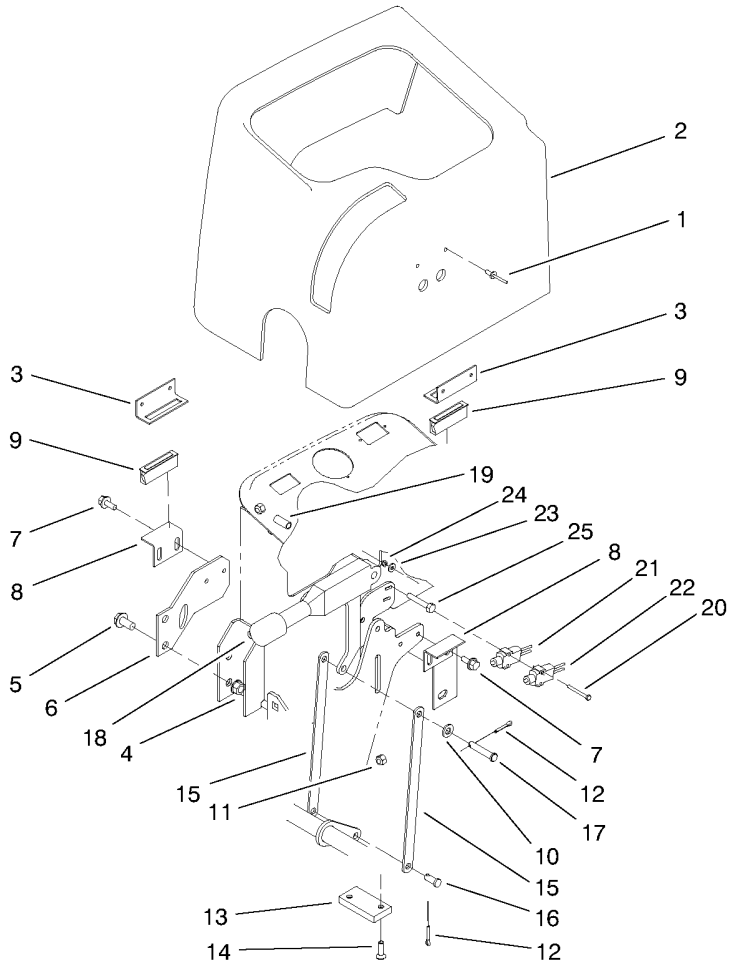
● Not serviced separately




# Control Panel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 32128-32 | 1 | Nut-Hex. Lock |
| 2 | 3256-22 | 1 | Washer-Flat |
| 3 | 95-8712 | 1 | Control Panel Assembly |
| 4 | 3250-27 | 4 | Screw-PPH |
| 5 | 3296-2 | 4 | Nut-Lock, NI |
| 6 | 70-1480 | 3 | Relay |
| 7 | 32128-43 | 7 | Nut-Hex. Flange |
| 8 | 3234-1 | 7 | Screw-Hfh |
| 9 | 37-2690 | 1 | Capacitor |
| 10 | 2412-74 | 1 | Clamp |
| 11 | 3234-4 | 1 | Screw-HH |
| 12 | 32128-33 | 1 | Nut-Hex. Flange |
| 14 | 95-8855 | 1 | Throttle-Control (Incl. Ref. #31) |
| 15 | 95-8614 | 1 | Plate-Throttle, Stop |
| 17 | 75-6820 | 1 | Hourmeter |
| 18 | 32144-18 | 2 | Screw-HWH |
| 19 | 93-7053 | 1 | Warning Light Cluster (Incl. Ref. #32-36) |
| 20 | 88-9830 | 1 | Switch-Ignition (Incl. Ref. #29 & 30) |

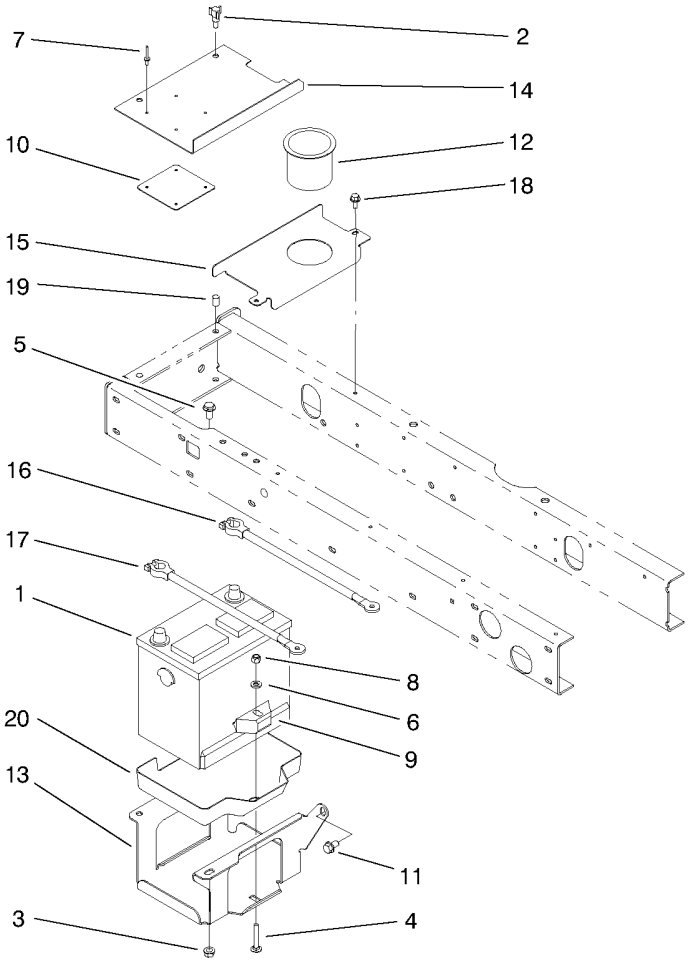
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 21 | 63-8360 | 2 | Key-Ignition |
| 22 | 95-8999 | 1 | Switch |
| 23 | 99-3443 | 1 | Decal |
| 24 | 95-8850 | 1 | Wire Harness |
| 25 | 99-3401 | 1 | Lever-Lock |
| 26 | 3290-477 | 1 | Washer-Curved |
| 27 | 63-3410 | 1 | Bolt-Shoulder |
| 28 | 32144-10 | 4 | Screw-HH |
| 29 | 218-461 | 1 | Nut-Hex. |
| 30 | 3254-5 | 1 | Washer-Lock |
| 31 | 66-0120 | 1 | Knob |
| 32 | 219-17 | 4 | Bulb-Warning Light |
| 33 | 87-6270 | 4 | Socket & Bulb Assembly (Incl. Ref. #32) |
| 34 | | 1 | Clamp-Light |
| 35 | 3254-1 | 1 | Washer-Lock |
| 36 | 3217-26 | 1 | Nut-Hex. |
| 37 | 99-3463 | 1 | Controller-Glow |




# Control Panel Cover Assembly

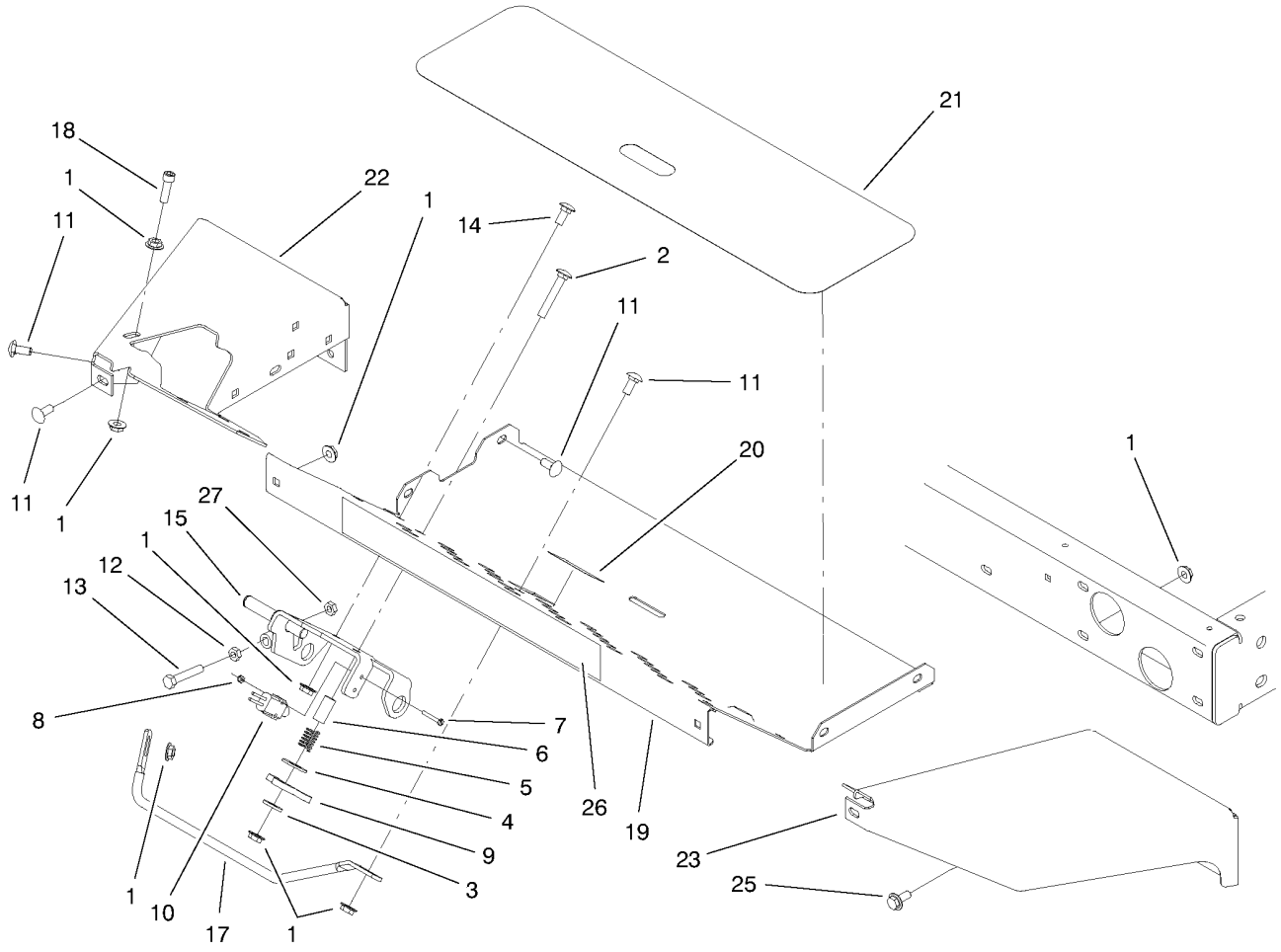
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 3269-5 | 4 | Rivet-Pop |
| 2 | 95-8707 | 1 | Cover-Control Panel |
| 3 | 95-8763 | 2 | Bracket-Cover |
| 4 | 32128-43 | 2 | Nut-Hex. Flange |
| 5 | 3234-1 | 2 | Screw-Hfh |
| 6 | 95-8764 | 1 | Support-Magnet |
| 7 | 32144-10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

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 14 | 3289-4 | 2 | Screw-HSFH |
| 15 | 95-8681 | 2 | Link-Brake, Parking |
| 16 | 283-62 | 1 | Pin-Clevis |
| 17 | 94-3829 | 1 | Pin-Clevis |
| 18 | 87-2710 | 1 | Lever Assembly |
| 19 | 87-4710 | 1 | Spacer-Parking Brake |
| 20 | 32105-21 | 2 | Screw-SHH |
| 21 | 95-8900 | 1 | Switch |
| 22 | 99-3410 | 1 | Switch |
| 23 | 3256-21 | 2 | Washer-Flat |
| 24 | 3296-9 | 2 | Nut-Lock NI |
| 25 | 321-9 | 1 | Screw-HH |




# Battery Assembly

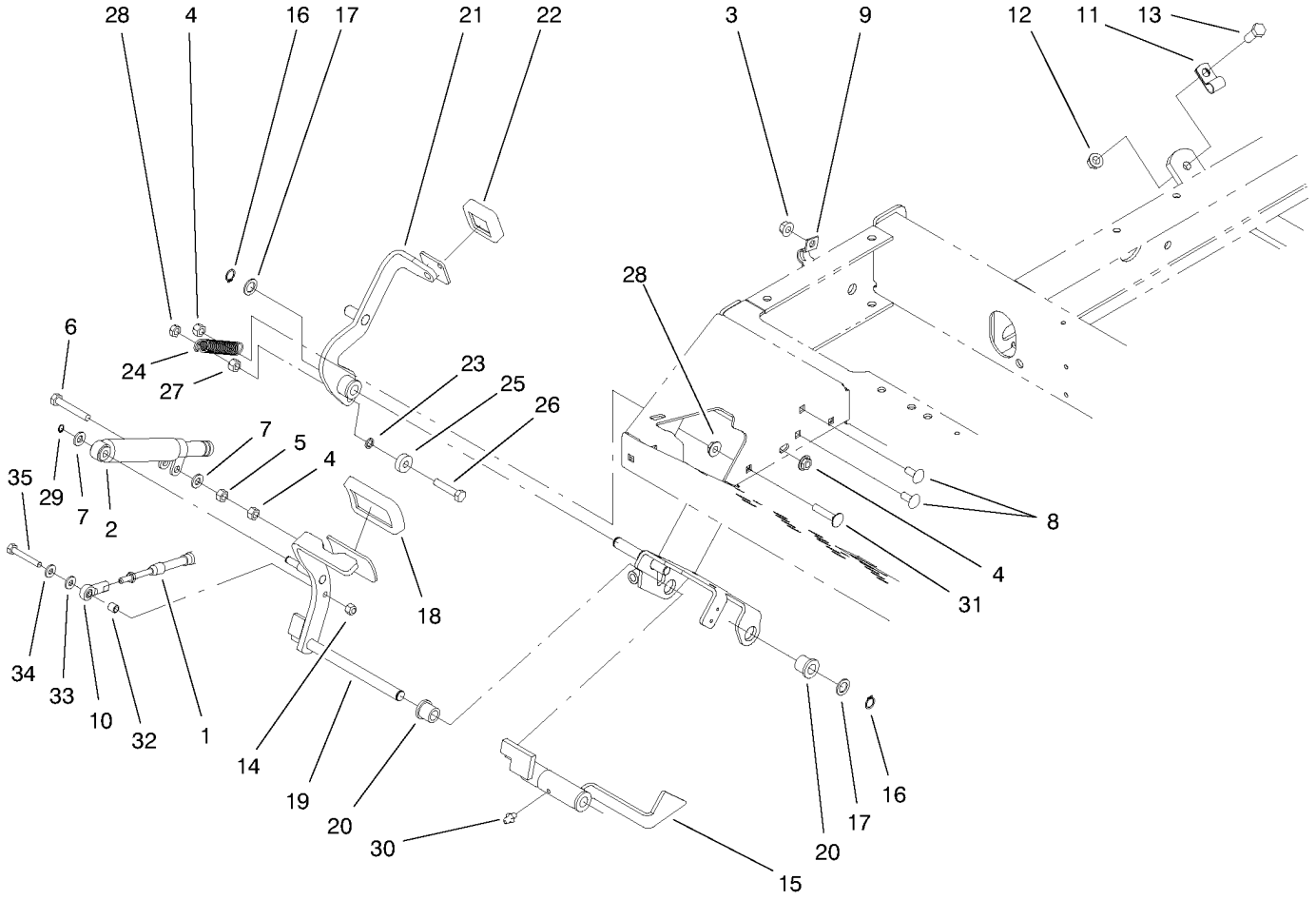
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 83-9000 | 1 | Battery |
| 2 | 233-70 | 2 | Knob |
| 3 | 32128-43 | 3 | Nut-Hex. Flange |
| 4 | 3230-5 | 1 | Bolt-CARR |
| 5 | 3234-1 | 3 | Screw-Hfh |
| 6 | 3256-23 | 1 | Washer-Plain |
| 7 | 3269-27 | 4 | Rivet-Plastic |
| 8 | 3296-29 | 1 | Nut-Lock NI |
| 9 | 66-2490 | 1 | Retainer-Battery |
| 10 | 87-7620 | 1 | Shield-Battery Cover |
| 11 | 32144-15 | 1 | Screw-HWH |
| 12 | 94-1410 | 1 | Holder-Beverage |
| 13 | 95-8796 | 1 | Support-Battery |
| 14 | 95-8807 | 1 | Cover-Battery |
| 15 | 95-8817 | 1 | Cover-Battery, Inner |
| 16 | 95-8854 | 1 | Cable-Battery, Negative |
| 17 | 95-8853 | 1 | Cable-Battery, Positive |
| 18 | 32144-10 | 2 | Screw-HWH |
| 19 | 32148-6 | 2 | Insert-Threaded |
| 20 | 95-3513 | 1 | Fitting-Straight |




# Rocker Arm Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 32128-44 | 24 | Nut-Hex. Flange |
| 2 | 3230-6 | 1 | Bolt-CARR |
| 3 | 3256-3 | 1 | Washer-Flat |
| 4 | 3256-40 | 1 | Washer-Flat |
| 5 | 65-9940 | 1 | Spring-Compression |
| 6 | 95-8866 | 1 | Tube-Rocker Arm |
| 7 | 32105-9 | 2 | Screw-HH |
| 8 | 3296-9 | 2 | Nut-Hex |
| 9 | 95-8867 | 1 | Rocker Arm |
| 10 | 95-8900 | 1 | Switch |
| 11 | 3230-1 | 9 | Screw-CARR |
| 12 | 3218-2 | 1 | Nut-Hex. Jam |
| 13 | 322-41 | 1 | Screw-HH |

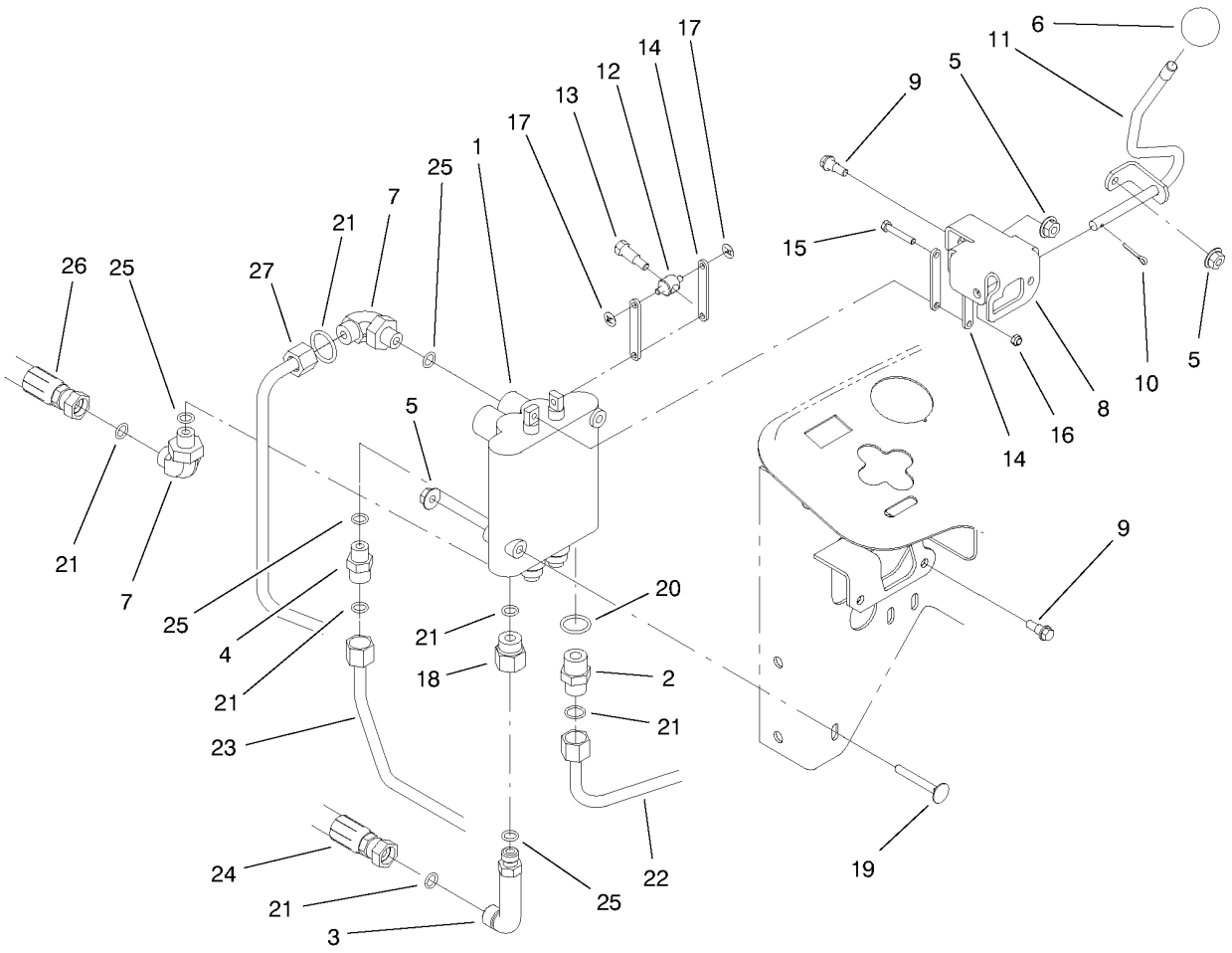
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 14 | 3230-23 | 2 | Screw-CARR |
| 15 | 95-8869 | 1 | Bracket Assembly-Traction |
| 17 | 95-8893 | 1 | Bar-Deflector |
| 18 | 3274-22 | 1 | Screw-HSH |
| 19 | 95-8610 | 1 | Plate-Floor |
| 20 | 99-3444 | 1 | Decal-Mow/Transport |
| 21 | 99-3478 | 1 | Tread-Floor Plate |
| 22 | 95-8611 | 1 | Bracket-Floor Plate, RH |
| 23 | 95-8612 | 1 | Bracket-Floor Plate, LH |
| 25 | 3234-5 | 10 | Screw-Hfh |
| 26 | 99-3388 | 1 | Decal-Sidewinder |
| 27 | 99-3565 | 1 | Nut-Square |




# Traction Pedal Assembly

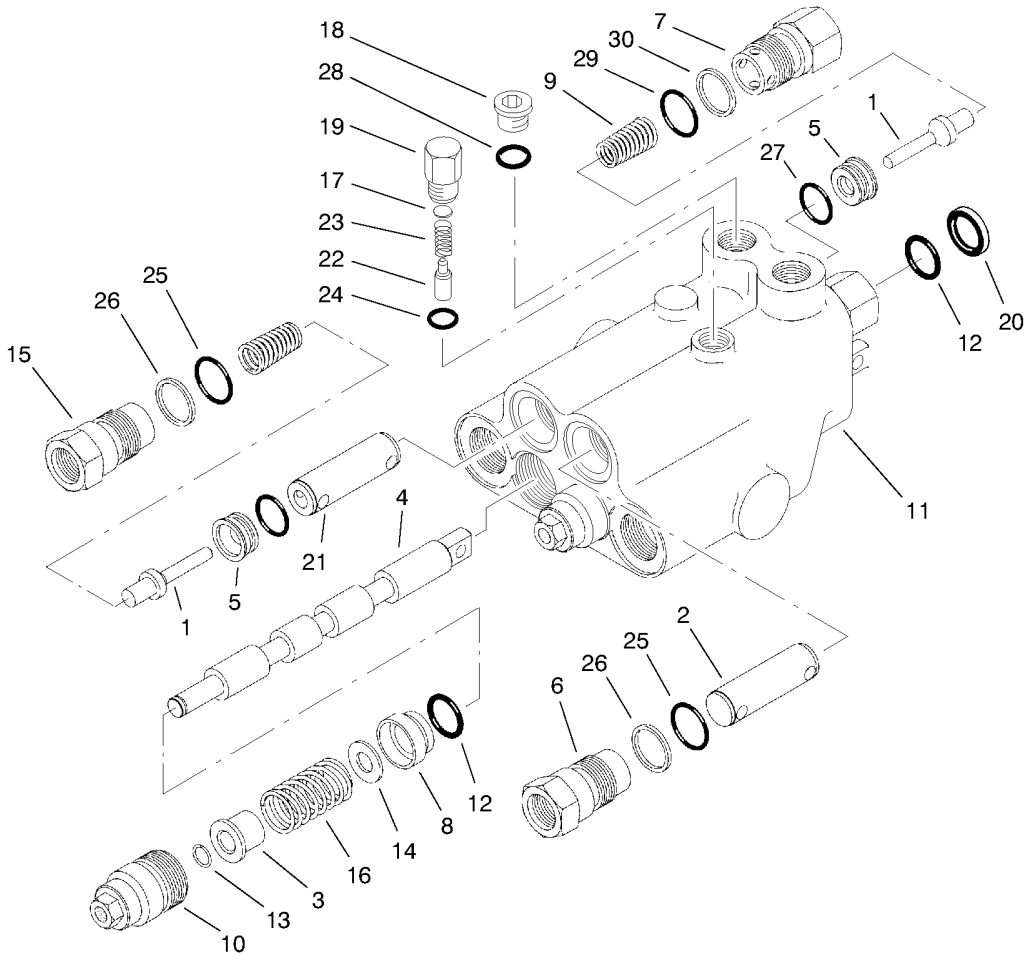
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 93-2099 | 1 | Cable-Traction Control |
| 2 | 76-8870 | 1 | Lever Damper Assembly |
| 3 | 32128-20 | 2 | Nut-Hex. Flange |
| 4 | 32128-44 | 2 | Nut-Hex. Flange |
| 5 | 3217-6 | 2 | Nut-Hex. |
| 6 | 322-10 | 1 | Screw-HH |
| 7 | 3256-23 | 2 | Washer-Plain |
| 8 | 3230-1 | 2 | Screw-CARR |
| 9 | 93-2092 | 1 | Clamp-Cable |
| 10 | 2411-41 | 1 | Rod End |
| 11 | 2412-10 | 1 | Clamp-R |
| 12 | 32128-43 | 1 | Nut-Hex. Flange |
| 13 | 323-6 | 1 | Screw-HH |
| 14 | 3296-42 | 1 | Nut-Lock NI |
| 15 | 95-8861 | 1 | Slide Assembly |
| 16 | 32151-84 | 2 | Ring-Retaining |
| 17 | 41-8440 | 2 | Spacer-Hardened |
| 18 | 74-9100 | 1 | Pad-Pedal, Forward |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19 | 99-3564 | 1 | Traction Pedal Assembly |
| 20 | 256-243 | 2 | Bushing |
| 21 | 99-3379 | 1 | Pedal Assembly-Reverse |
| 22 | 74-9110 | 1 | Pad-Pedal, Reverse |
| 23 | 75-5470 | 1 | Spacer |
| 24 | 99-3476 | 1 | Spring-Extension |
| 25 | 251-259 | 1 | Bearing-Ball |
| 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-Retaining |
| 30 | 302-5 | 1 | Fitting-Grease, Straight |
| 31 | 3230-27 | 1 | Bolt-Carriage |
| 32 | 99-3545 | 1 | Spacer |
| 33 | 33043-00 | 1 | Washer-Flat |
| 34 | 3256-22 | 1 | Washer-Flat |
| 35 | 321-10 | 1 | Screw-HH |




# Control Valve Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8581 | 1 | 2-Spool Control Valve ASM |
| 2 | 340-3 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #20 & 21) |
| 3 | 69-4320 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #21 & 25) |
| 4 | 340-2 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #21 & 25) |
| 5 | 32128-33 | 5 | Nut-Hex. Flange |
| 6 | 233-42 | 1 | Knob |
| 7 | 340-77 | 2 | Fitting-Hydraulic, 90Ø (Incl. Ref. #21 & 25) |
| 8 | 95-8633 | 1 | Bracket-Actuator, Valve |
| 9 | 42-3560 | 2 | Bolt-Shoulder |
| 10 | 3272-6 | 1 | Pin-Cotter |
| 11 | 95-8635 | 1 | Lever-Valve |
| 12 | 95-8638 | 1 | Trunnion-Actuator, Valve |
| 13 | 92-8916 | 1 | Bolt-Shoulder |
| 14 | 95-8634 | 4 | Link |
| 15 | 87-5150 | 3 | Screw-HH |
| 16 | 87-5140 | 3 | Nut-Lock |
| 17 | 93-3988 | 2 | Nut-Push |
| 18 | 353-397 | 1 | Fitting-Hydraulic (Incl. Ref. #21) |
| 19 | 3230-33 | 2 | Screw-CARR |
| 20 | 237-79 | 1 | O-Ring |
| 21 | 237-22 | 6 | O-Ring |
| 22 | 95-8792 | 1 | Tube Assembly |
| 23 | 95-8791 | 1 | Tube Assembly |
| 24 | 95-8843 | 1 | Hose Assembly |
| 25 | 237-42 | 4 | O-Ring |
| 26 | 95-8822 | 1 | Hose Assembly |
| 27 | 95-8790 | 1 | Tube Assembly |

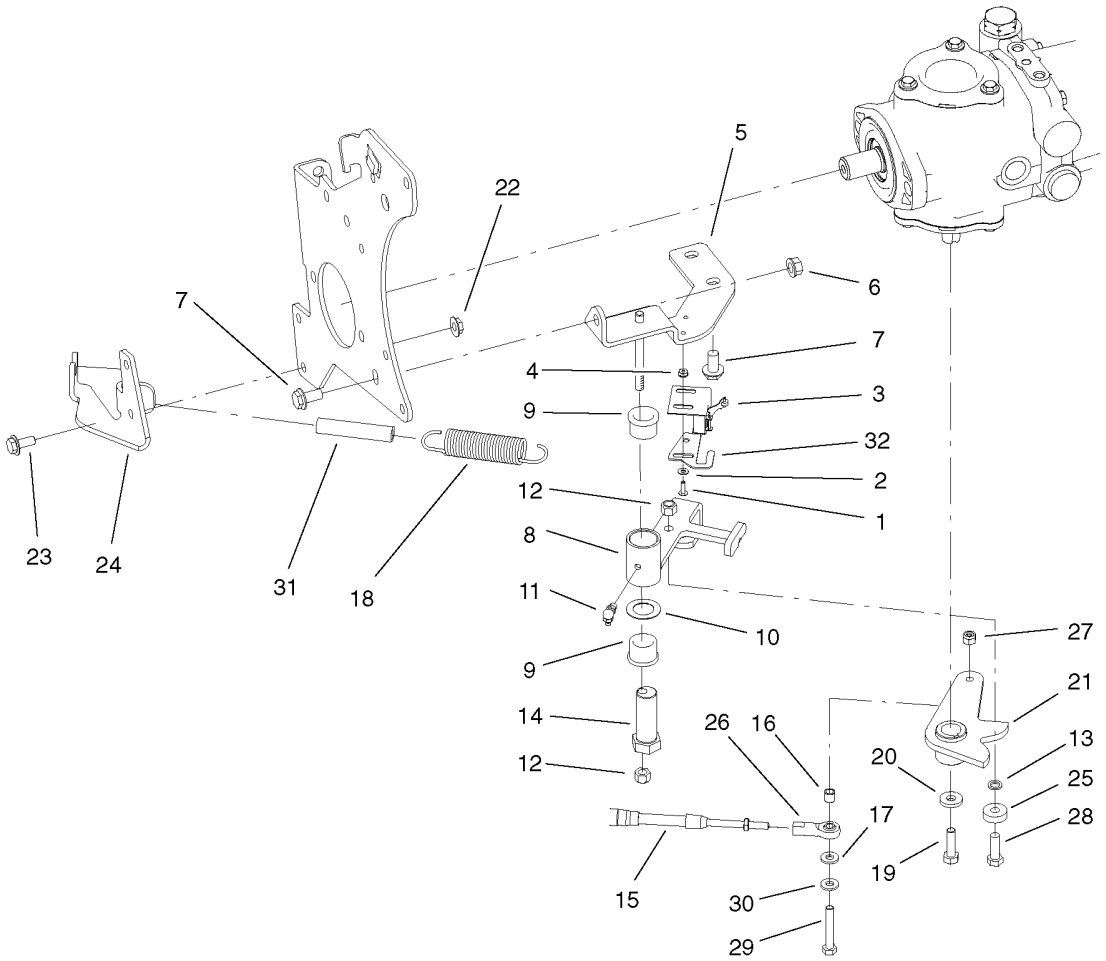



# Control Valve Assembly No. 95-8581

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 58-6290 | 3 | Poppet Assembly |
| 2 | 69-1840 | 1 | Plunger |
| 3 | 58-6310 | 2 | Spacer |
| 4 | | 2 | Spool |
| 5 | 58-6330 | 3 | Seat Assembly |
| 6 | 58-6350 | 1 | Plug Assembly (Incl. Ref. #25 & 26) |
| 7 | 99-3527 | 2 | Plug Assembly (Incl. Ref. #29 & 30) |
| 8 | 58-6400 | 2 | Bushing |
| 9 | 69-1810 | 3 | Spring |
| 10 | 58-6420 | 2 | Cap Assembly |
| 11 | | 1 | Body |
| 12 | 58-6450 | 4 | O-Ring |
| 13 | 58-6460 | 2 | Ring-Retaining |
| 14 | 65-2770 | 2 | Washer |
| 15 | 99-3526 | 1 | Plug Assembly (Incl. Ref. #25 & 26) |
| 16 | 99-3531 | 2 | Spring |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 60-6450 | 1 | Disc |
| 18 | 353-989 | 1 | Plug Assembly (Incl. Ref. #28) |
| 19 | 58-6780 | 1 | Plug Assembly (Incl. Ref. #24) |
| 20 | 58-6320 | 2 | Seal-Wiper |
| 21 | 99-3528 | 1 | Plunger |
| 22 | 58-6770 | 1 | Detent-Plunger |
| 23 | 58-6760 | 1 | Spring |
| 24 | 58-6790 | 1 | O-Ring |
| 25 | 60-5720 | 2 | O-Ring |
| 26 | 59-7730 | 2 | Washer-Backup |
| 27 | 58-6340 | 2 | O-Ring |
| 28 | 237-42 | 1 | O-Ring |
| 29 | 60-5720 | 2 | O-Ring |
| 30 | 59-7730 | 2 | Washer-Backup |
| * | 99-3530 | 1 | Kit-Seal (Incl. Ref. #1, 12-13, 20, 24-25 & 27-30) ● |

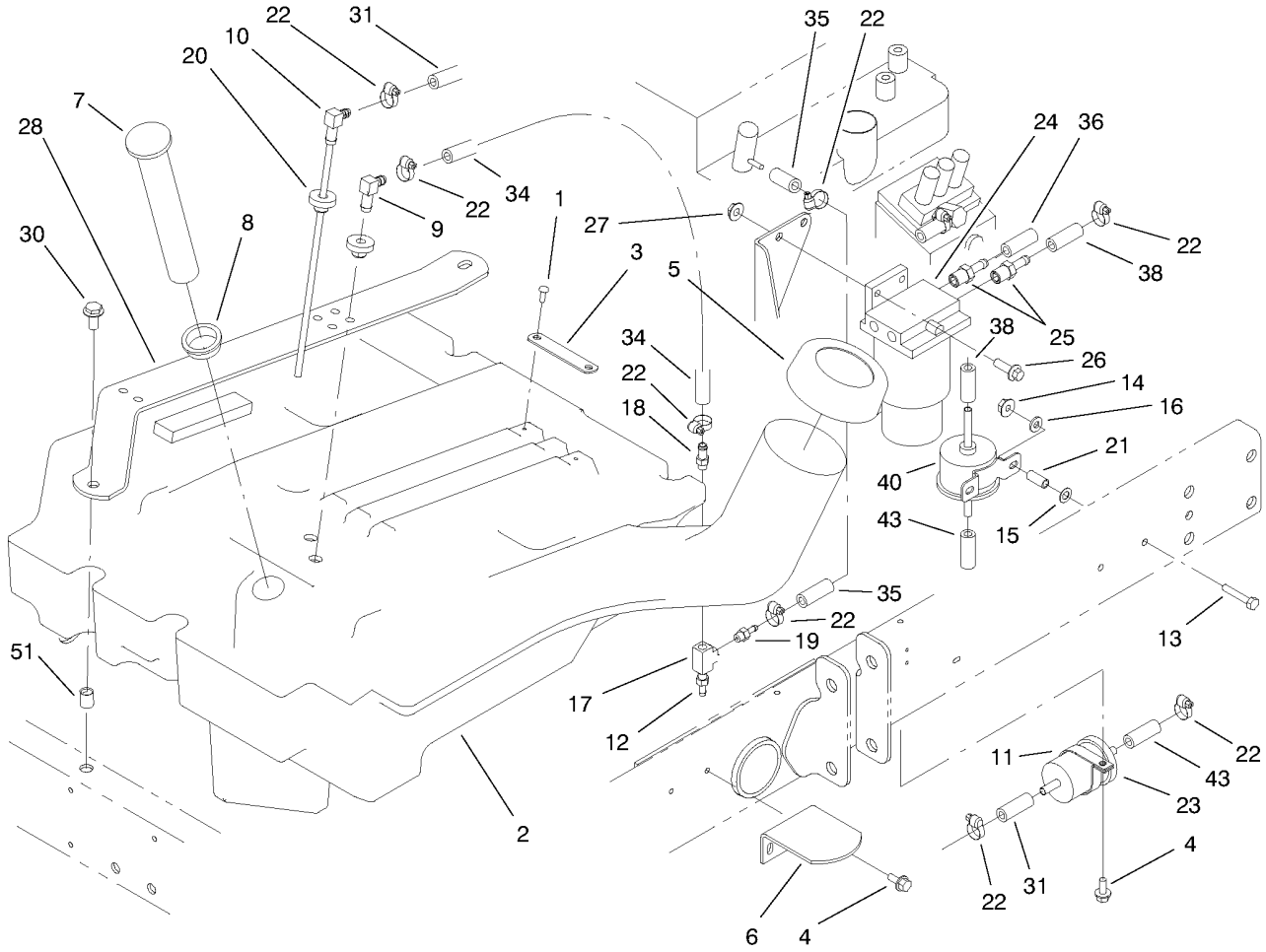
● * Not Illustrated




# Neutral Arm Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3249-3 | 2 | Screw-PRH |
| 2 | 3256-53 | 2 | Washer-Flat |
| 3 | 94-1754 | 1 | Switch & Roller Bracket Asm |
| 4 | 32149-6 | 2 | Nut, Hex |
| 5 | 95-8960 | 1 | Bracket Assembly-Neutral |
| 6 | 32128-43 | 1 | Nut-Hex. Flange |
| 7 | 3234-1 | 3 | Screw-Hfh |
| 8 | 95-8958 | 1 | Neutral Arm Assembly |
| 9 | 256-113 | 2 | Bushing-Flange |
| 10 | 3-6498 | 1 | Washer-Thrust |
| 11 | 302-60 | 1 | Fitting-Grease, 90Ø |
| 12 | 3296-29 | 2 | Nut-Lock NI |
| 13 | 75-5470 | 1 | Spacer |
| 14 | 76-8640 | 1 | Stud-Traction |
| 15 | 93-2099 | 1 | Cable-Traction Control |
| 16 | 99-3545 | 1 | Spacer |

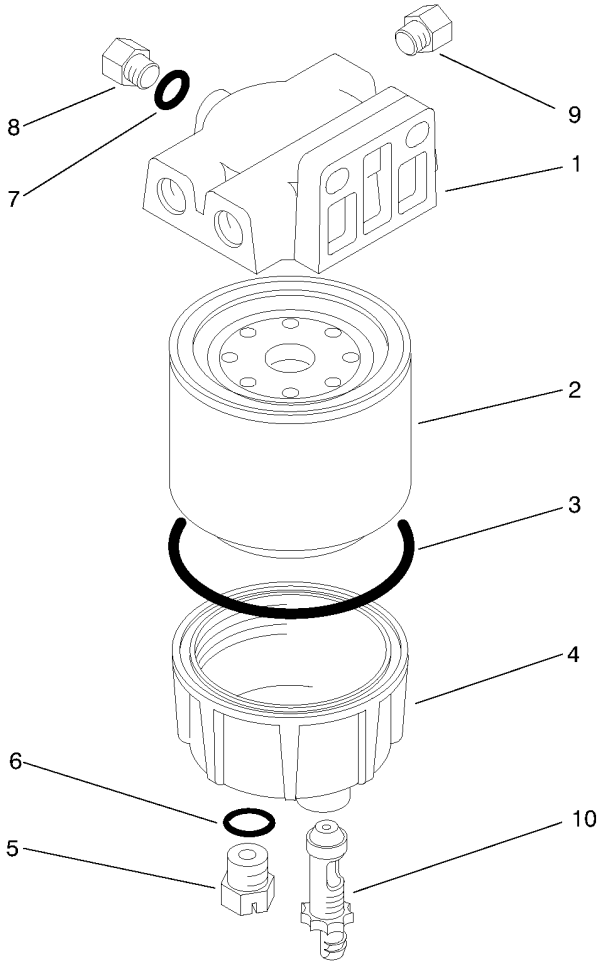
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 33093-00 | 1 | Washer-Flat |
| 18 | 94-1369 | 1 | Spring-Extension |
| 19 | 3210-6 | 1 | Screw-HH |
| 20 | 88-7200 | 1 | Washer-Flat |
| 21 | 95-8963 | 1 | Lever Assembly-Pump |
| 22 | 32128-44 | 2 | Nut-Hex. Flange |
| 23 | 3234-5 | 2 | Screw-Hfh |
| 24 | 99-3553 | 1 | Bracket-Cable, Support |
| 25 | 251-259 | 1 | Bearing-Ball |
| 26 | 2411-41 | 1 | Rod End |
| 27 | 3296-42 | 1 | Nut-Lock NI |
| 28 | 3274-104 | 1 | Screw |
| 29 | 321-9 | 1 | Screw-HH |
| 30 | 3256-22 | 1 | Washer-Flat |
| 31 | 99-3556 | 1 | Hose-Dampener |
| 32 | 99-3549 | 1 | Bracket-Adjuster |




# Fuel System Assembly

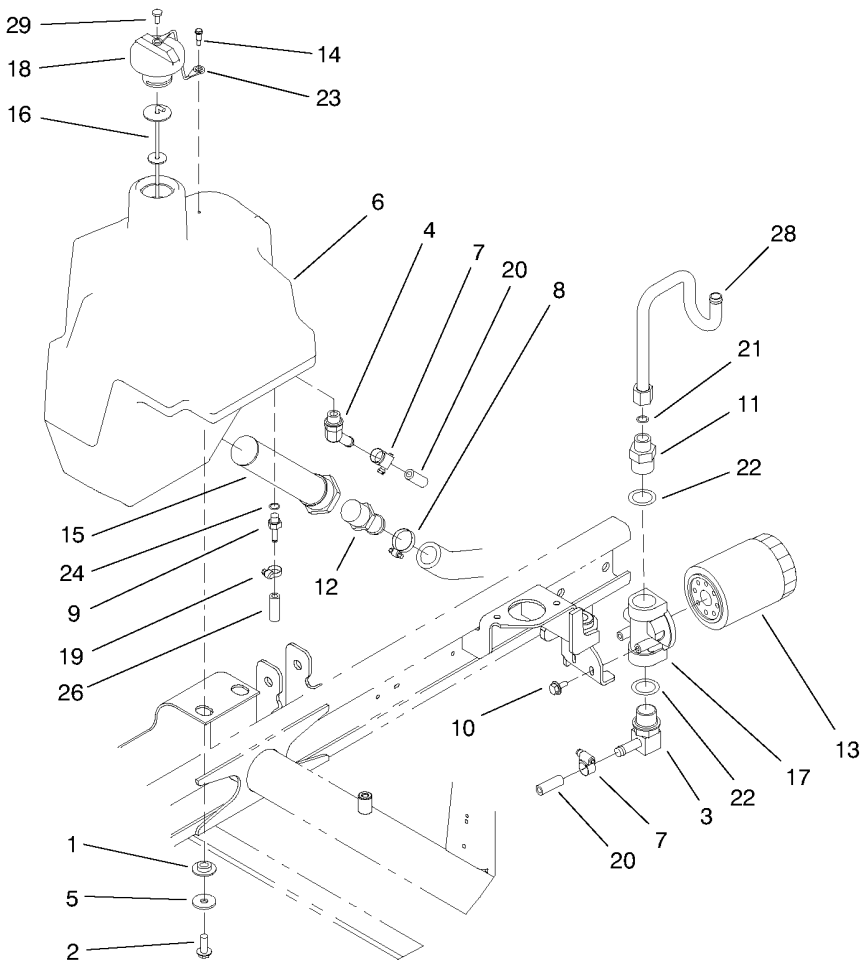
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 321-2 | 2 | Screw-HH |
| 2 | 95-8620 | 1 | Tank-Fuel |
| 3 | 95-8881 | 1 | Strap-Fuel Line |
| 4 | 32144-10 | 4 | Screw-HH |
| 5 | 95-4193 | 1 | Gas Cap Assembly-Diesel |
| 6 | 95-8968 | 1 | Support-Fuel Tank |
| 7 | 95-8971 | 1 | Fuel-Gauge |
| 8 | 95-8972 | 1 | Grommet |
| 9 | 46-6550 | 1 | Fitting-Connector |
| 10 | 66-8121 | 1 | Standpipe |
| 11 | 2412-148 | 1 | R-Clamp |
| 12 | 304-73 | 1 | Fitting-Barb |
| 13 | 321-9 | 2 | Screw-HH |
| 14 | 32128-33 | 2 | Nut-Hex. Flange |
| 15 | 3255-7 | 1 | Washer-Lock |
| 16 | 3256-22 | 2 | Washer-Flat |
| 17 | 354-20 | 1 | Fitting-Tee |
| 18 | 354-21 | 1 | Fitting-Barbed |
| 19 | 354-22 | 1 | Fitting-Barbed |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 46-6560 | 2 | Bushing |
| 21 | 87-4710 | 2 | Spacer-Parking Brake |
| 22 | 2412-108 | 13 | Clamp-Hose |
| 23 | 98-7612 | 1 | Filter-Fuel |
| 24 | 98-9305 | 1 | Filter-Water/Fuel Separator |
| 25 | 353-783 | 2 | Fitting-Fuel |
| 26 | 3234-17 | 2 | Screw-Hfh |
| 27 | 32128-44 | 2 | Nut-Hex. Flange |
| 28 | 95-8731 | 2 | Strap-Support, Seat |
| 29 | 95-8896 | 2 | Foam |
| 30 | 3234-1 | 4 | Screw-Hfh |
| 31 | 71-3383 | 1 | Hose |
| 34 | 71-3384 | 1 | Hose |
| 35 | 99-3498 | 1 | Hose |
| 36 | 99-3554 | 1 | Hose |
| 38 | 63-9640 | 1 | Hose |
| 40 | 99-3464 | 1 | Pump-Fuel |
| 43 | 19-3250 | 1 | Hose |
| 51 | 32148-9 | 2 | Insert-Threaded |




# Water / Fuel Separator Filter Assembly No. 98-9305

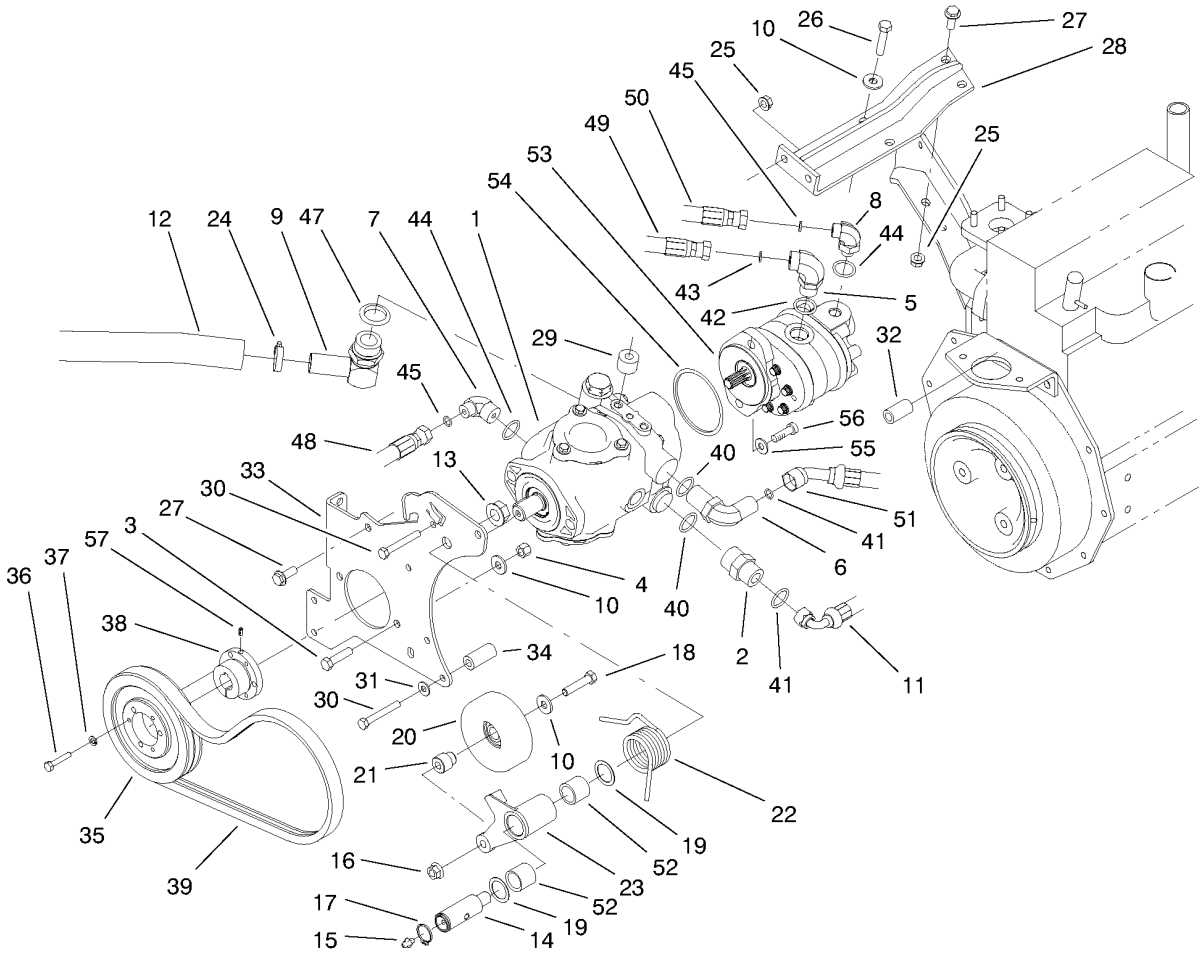
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9772 | 1 | Head-Filter |
| 2 | 98-9764 | 1 | Element-Spin On |
| 3 | 98-9774 | 1 | O-Ring, Filter Base |
| 4 | 98-9775 | 1 | Base-Filter |
| 5 | 98-9773 | 1 | Plug-Base, Filter (Incl. Ref. #6) |
| 6 | 237-42 | 1 | O-Ring |
| 7 | 237-78 | 1 | O-Ring |
| 8 | 98-9776 | 1 | Plug-Head, Filter (Incl. Ref. #7) |
| 9 | 285-22 | 1 | Plug-Pipe |
| 10 | 98-9777 | 1 | Drain Valve Assembly |




# Hydraulic Tank Assembly

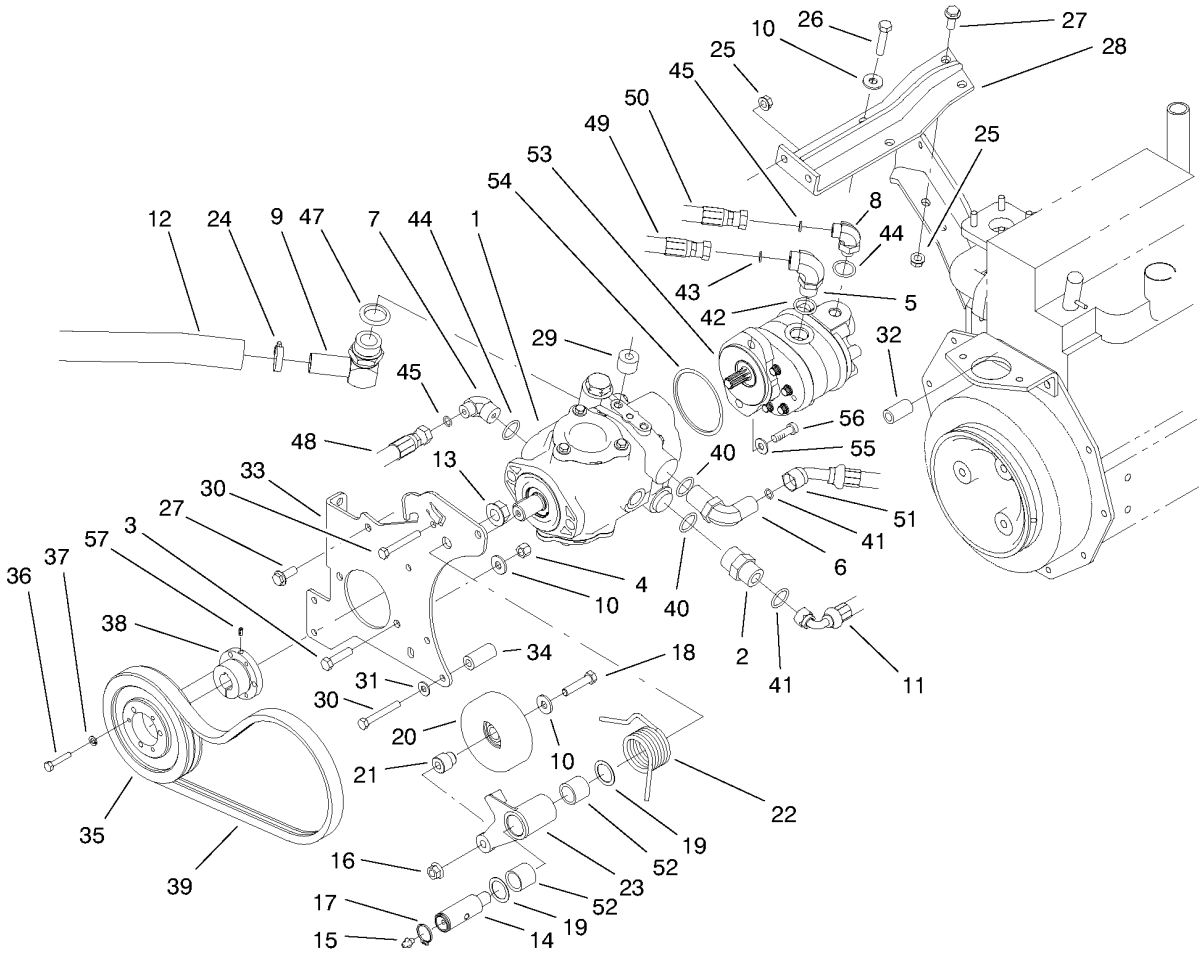
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 240-11 | 4 | Grommet |
| 2 | 3234-11 | 4 | Screw-Hfh |
| 3 | 95-8814 | 1 | Fitting-Barb (Incl. Ref. #22) |
| 4 | 354-126 | 1 | Fitting-Barb |
| 5 | 63-8410 | 4 | Washer-Flat |
| 6 | 95-8708 | 1 | Tank-Hydraulic |
| 7 | 2412-36 | 2 | Clamp-Hose |
| 8 | 2412-34 | 1 | Clamp-Hose |
| 9 | 95-8849 | 1 | Fitting (Incl. Ref. #24) |
| 10 | 3234-13 | 2 | Screw-Hfh |
| 11 | 340-8 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #21 & 22) |
| 12 | 353-682 | 1 | Fitting-Hydraulic |
| 13 | 54-0110 | 1 | Element-Oil Filter |
| 14 | 57-5420 | 1 | Screw-Shoulder |
| 15 | 75-0550 | 1 | Suction-Strainer |
| 16 | 75-3710 | 1 | Dipstick Assembly-Oil |
| 17 | 92-5821 | 1 | Filter Head Assembly |
| 18 | 93-7160 | 1 | Cap-Hydraulic Oil (Incl. Ref. #23 & 29) |
| 19 | 2412-108 | 1 | Clamp-Hose |
| 20 | 99-3501 | 1 | Hose |
| 21 | 237-65 | 1 | O-Ring |
| 22 | 237-81 | 2 | O-Ring |
| 23 | | 1 | Tether ● |
| 24 | 237-78 | 1 | O-Ring |
| 26 | 66-8160 | 1 | Hose |
| 28 | 95-8704 | 1 | Tube Assembly |
| 29 | | 1 | Plug ● |

● Not serviced separately



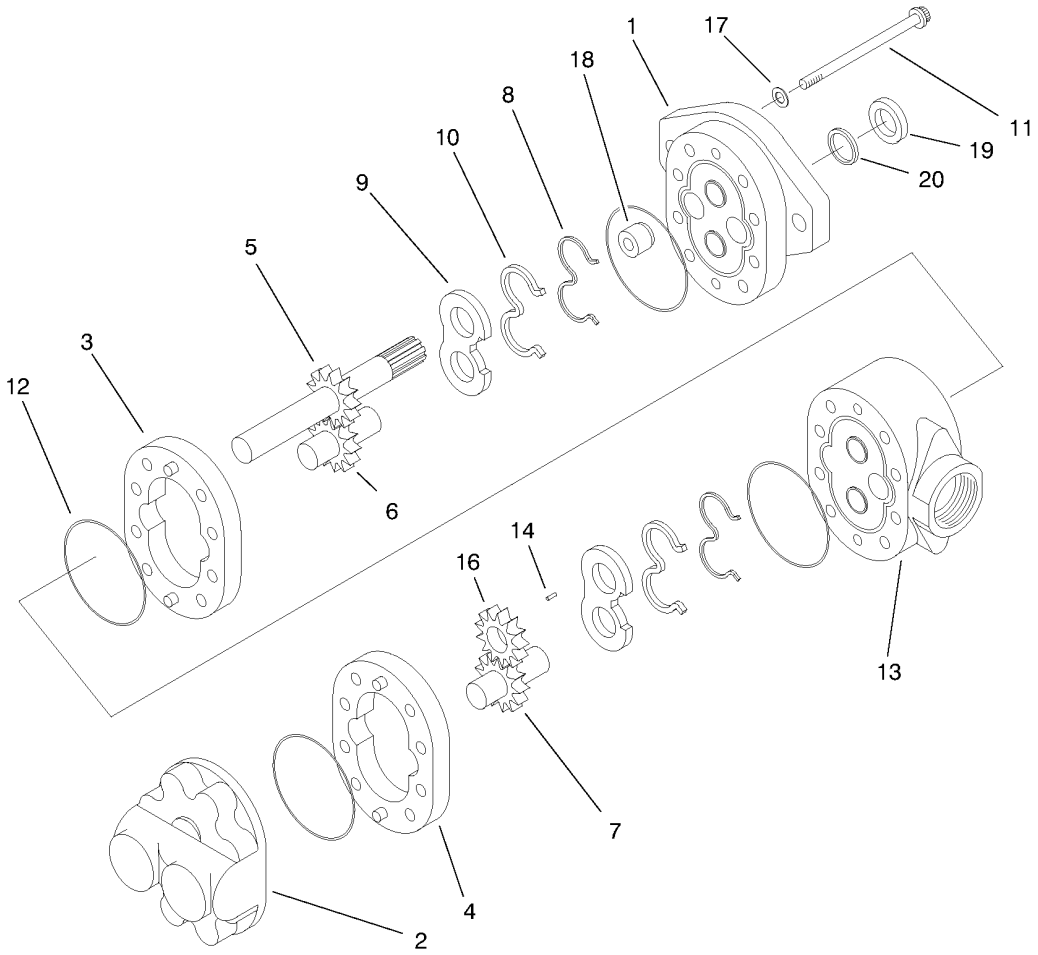

# Hydrostat Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8599 | 1 | Pump-Piston |
| 2 | 340-8 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #40 & 41) |
| 3 | 323-8 | 2 | Screw-HH |
| 4 | 3296-39 | 2 | Nut-Hex. Lock |
| 5 | 340-105 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #42 & 43) |
| 6 | 340-139 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #40 & 41) |
| 7 | 340-18 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #44 & 45) |
| 8 | 340-77 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #45 & 46) |
| 9 | 56-9530 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #47) |
| 10 | 80-6990 | 5 | Washer-Hardened |
| 11 | 95-8834 | 1 | Hose Assembly |
| 12 | 95-8956 | 1 | Hose-Suction |
| 13 | 32128-54 | 1 | Nut-Hex. Flange |
| 14 | 95-8918 | 1 | Pin-Pivot, Idler |
| 15 | 302-5 | 1 | Fitting-Grease |
| 16 | 32128-21 | 1 | Nut-Hex. Flange |
| 17 | 32151-36 | 1 | Ring-Retaining |
| 18 | 323-10 | 1 | Screw-HH |
| 19 | 74-1810 | 2 | Washer-Thrust |
| 20 | 95-8802 | 1 | Pulley-Idler |
| 21 | 95-8806 | 1 | Spacer |
| 22 | 95-8917 | 1 | Spring-Torsion |
| 23 | 95-8957 | 1 | Arm Assembly-Idler (Incl. Ref. #52) |
| 24 | 2412-34 | 1 | Clamp-Hose |
| 25 | 32128-43 | 4 | Nut-Hex. Flange |
| 26 | 323-19 | 2 | Screw-HH |
| 27 | 3234-11 | 4 | Screw-Hfh |
| 28 | 99-3436 | 1 | Pump Support Assembly |
| 29 | 99-3440 | 2 | Spacer |
| 30 | 33114-060 | 4 | Screw-HH |
| 31 | 87-8640 | 3 | Washer-Flat |
| 32 | 95-8736 | 1 | Spacer |
| 33 | 95-8933 | 1 | Plate-Pump, Mount |
| 34 | 95-8941 | 4 | Spacer-Mount, Pump |
| 35 | 93-6841 | 1 | Pulley |
| 36 | 321-13 | 3 | Screw-HH |
| 37 | 3253-3 | 3 | Washer-Lock |
| 38 | 93-6842 | 1 | Bushing-Taper Lock (Incl. Ref. #57) |
| 39 | 95-8730 | 1 | V-Belt |
| 40 | 237-81 | 2 | O-Ring |
| 41 | 237-65 | 2 | O-Ring |
| 42 | 237-80 | 1 | O-Ring |
| 43 | 237-30 | 1 | O-Ring |
| 44 | 237-79 | 1 | O-Ring |
| 45 | 237-22 | 1 | O-Ring |
| 46 | 237-42 | 1 | O-Ring |
| 47 | 237-117 | 1 | O-Ring |




# Hydrostat Assembly (continued)

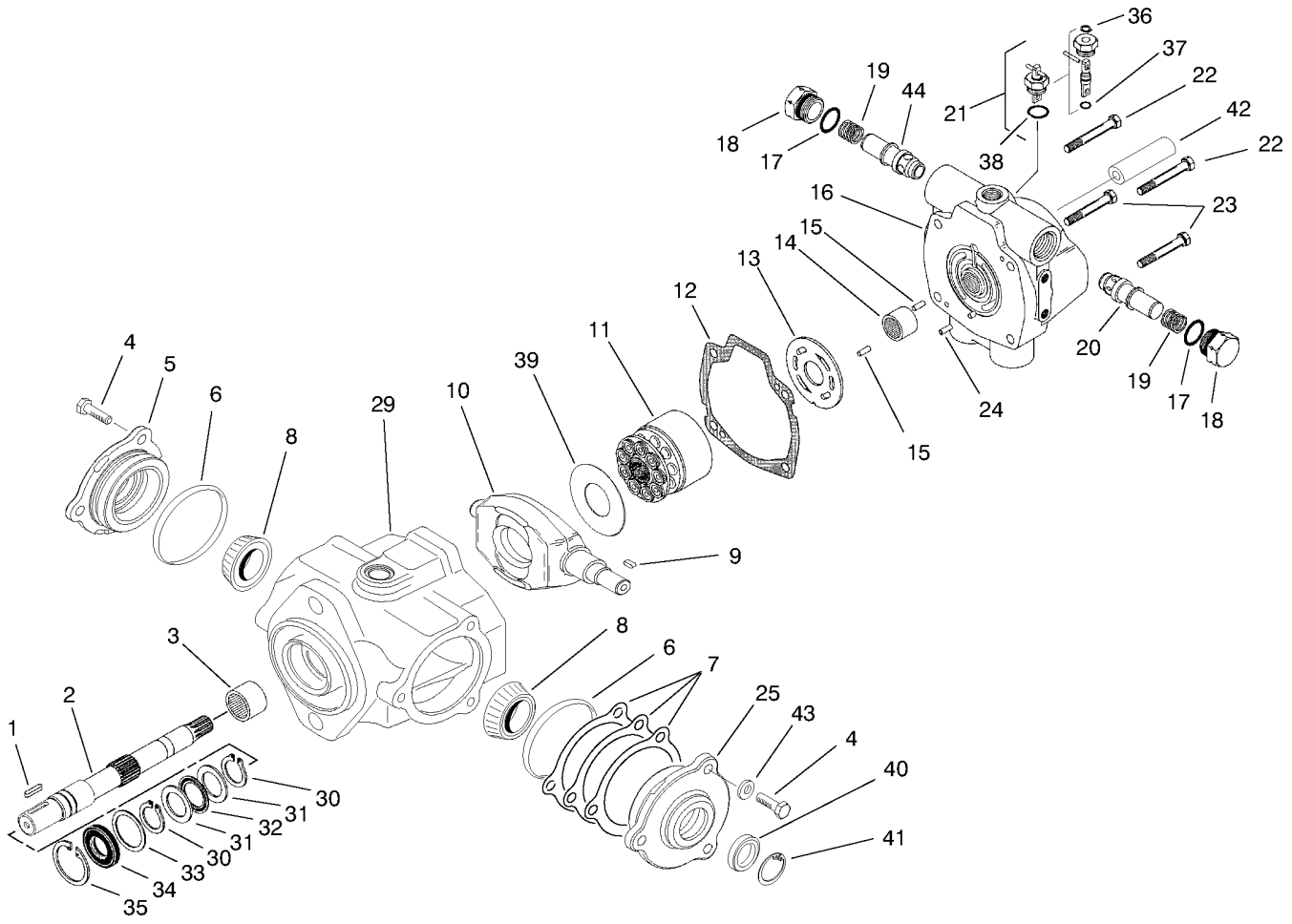
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 48 | 95-8830 | 1 | Hose Assembly |
| 49 | 95-8829 | 1 | Hose Assembly |
| 50 | 95-8846 | 1 | Hose Assembly |
| 51 | 95-8833 | 1 | Hose Assembly |
| 52 | 3-0348 | 2 | Bushing |
| 53 | 95-8601 | 1 | Gear Pump ASM |
| 54 | 60-3520 | 1 | O-Ring |
| 55 | 3256-24 | 2 | Washer-Flat |
| 56 | 3274-1 | 2 | Screw-HSH |
| 57 | 3245-36 | 1 | Screw-Set |




# Gear Pump Assembly No. 95-8601

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Plate-Front |
| 2 | | 1 | Plate-Back |
| 3 | | 1 | Body |
| 4 | 95-4364 | 1 | Body |
| 5 | | 1 | Gear-Drive |
| 6 | | 1 | Gear-Idler |
| 7 | 95-4366 | 1 | Gear-Idler |
| 8 | 95-4367 | 2 | Gasket-Backup |
| 9 | 95-4368 | 2 | Plate-Wear |
| 10 | 95-4369 | 2 | Seal-Pressure |
| 11 | 94-8158 | 8 | Screw-Cap |
| 12 | | 4 | O-Ring |
| 13 | | 1 | Plate-Adapter |
| 14 | | 1 | Key |
| 16 | 95-4373 | 1 | Gear |
| 17 | 94-8160 | 4 | Washer |
| 18 | 94-3011 | 1 | Plug |
| 19 | 49-2640 | 1 | Seal |
| 20 | 60-5890 | 1 | Washer |
| * | 94-8161 | 1 | Kit-Seal Repair (Incl. Ref. #8-10, 12 & 18-20) ● |

● * Not Illustrated

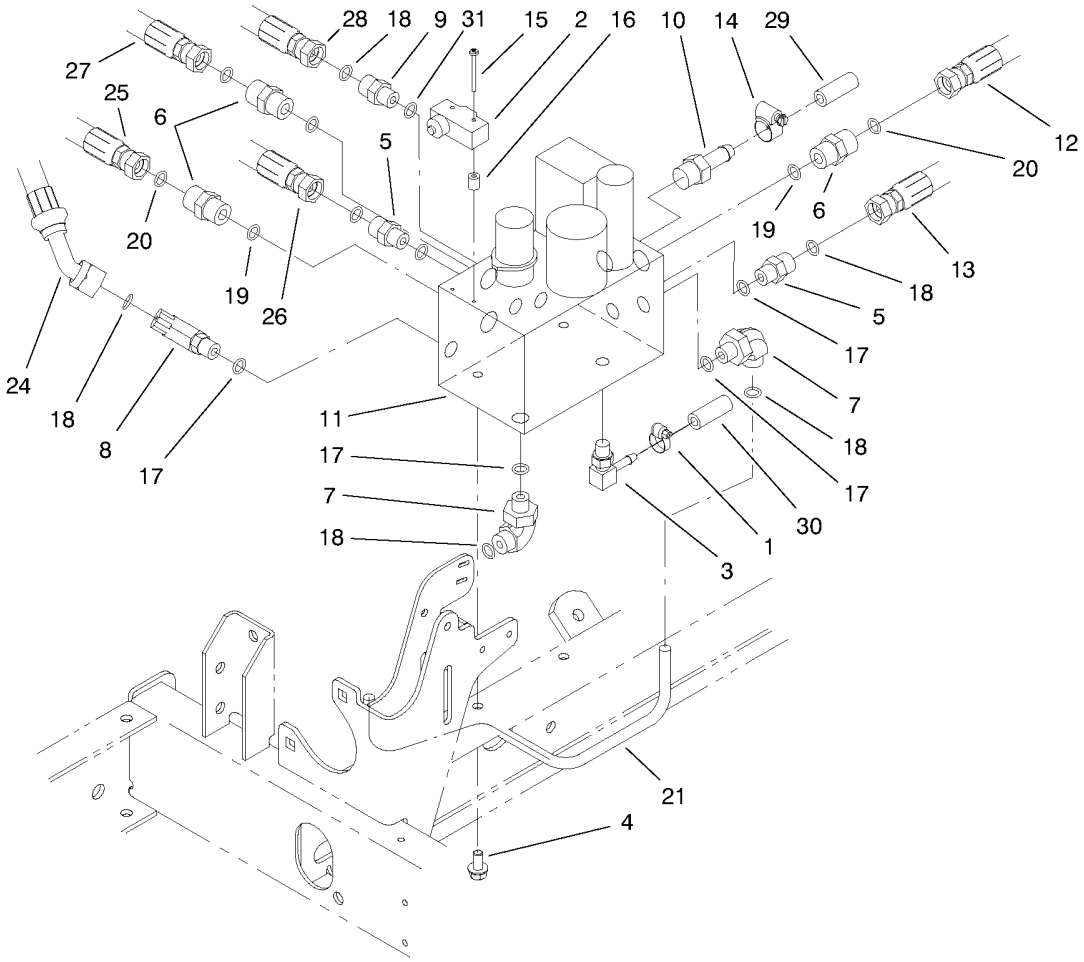



# Piston Pump Assembly No. 95-8599

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 94-3645 | 1 | Key |
| 2 | 94-6359 | 1 | Shaft-Drive |
| 3 | 94-6363 | 1 | Bearing |
| 4 | 98-4640 | 6 | Screw-Cap |
| 5 | 98-4633 | 1 | Cover Plate Assembly |
| 6 | | 2 | Seal |
| 7 | 98-4642 | 1 | Shim |
| 8 | 98-4639 | 2 | Bearing-Cone |
| 9 | 94-3646 | 1 | Key |
| 10 | 99-3520 | 1 | Plate-Cam |
| 11 | 76-6070 | 1 | Rotating Kit Assembly |
| 12 | 33-4930 | 1 | Gasket |
| 13 | 99-3522 | 1 | Plate-Valve |
| 14 | 94-6368 | 1 | Bearing |
| 15 | 76-6150 | 2 | Pin-Dowel |
| 16 | 98-4641 | 1 | Back Plate Assembly (Incl. Ref. #14 & 24) |
| 17 | | 4 | O-Ring |
| 18 | 70-1240 | 2 | Plug Assembly (Incl. Ref. #17) |
| 19 | 76-6200 | 2 | Spring |
| 20 | 94-3644 | 1 | Seat |
| 21 | 94-3650 | 1 | Dump Valve Assembly |
| 22 | 76-6170 | 2 | Screw-Cap |

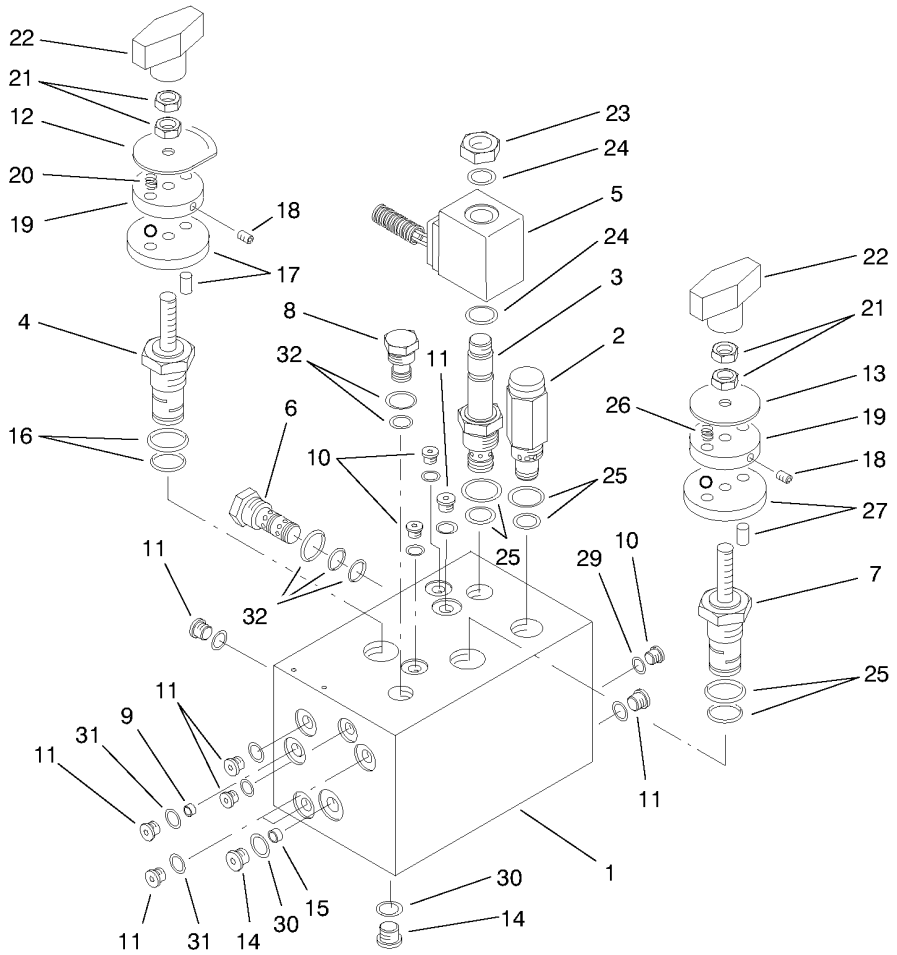
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 23 | 76-6160 | 2 | Screw-Cap |
| 24 | | 1 | Pin-Roll |
| 25 | 98-4634 | 1 | Cover Plate Assembly |
| 29 | 98-4638 | 1 | Housing Assembly (Incl. Ref. #3) |
| 30 | 32151-29 | 2 | Ring-Retaining |
| 31 | 252-71 | 2 | Race-Bearing |
| 32 | 252-66 | 1 | Bearing-Thrust |
| 33 | 33-3720 | 1 | Washer |
| 34 | 42-2720 | 1 | Seal-Shaft |
| 35 | 32151-13 | 1 | Ring-Retaining |
| 36 | | 1 | Ring-Retaining |
| 37 | | 1 | O-Ring |
| 38 | | 1 | O-Ring |
| 39 | 98-4635 | 1 | Insert-Camplate |
| 40 | | 1 | Seal-Shaft |
| 41 | | 1 | Ring-Retaining |
| 42 | 74-9040 | 1 | Coupler |
| 43 | 95-6055 | 6 | Washer |
| 44 | 99-3521 | 1 | Relief Valve Assembly |
| * | 98-4636 | 1 | Seal Repair Kit (Incl. Ref. #6, 12, 17, 30, 34-38 & 40-41) ● |

● * Not Illustrated



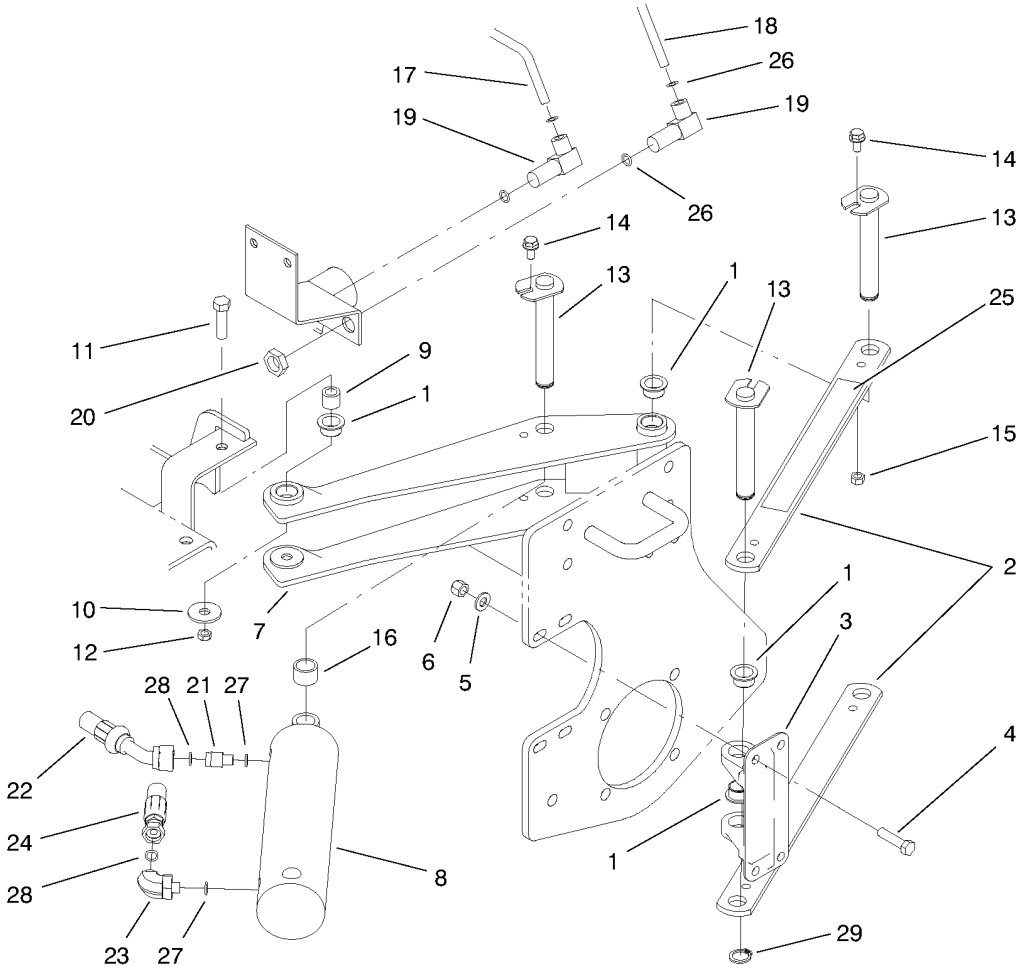

# Manifold Block Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 2412-108 | 1 | Clamp-Hose |
| 2 | 29-6162 | 1 | Switch-Micro |
| 3 | 304-99 | 1 | Fitting-Barb |
| 4 | 3234-5 | 2 | Screw-Hfh |
| 5 | 340-2 | 2 | Fitting-Hydraulic, Straight (Incl. Ref. #17 & 18) |
| 6 | 340-4 | 3 | Fitting-Hydraulic, Straight (Incl. Ref. #19 & 20) |
| 7 | 340-77 | 2 | Fitting-Hydraulic, 90Ø (Incl. Ref. #17 & 18) |
| 8 | 340-87 | 1 | Fitting-Hydraulic, 45Ø (Incl. Ref. #17 & 18) |
| 9 | 340-88 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #18 & 31) |
| 10 | 354-121 | 1 | Fitting-Barb |
| 11 | 95-8675 | 1 | Manifold-Hydraulic |
| 12 | 95-8829 | 1 | Hose Assembly |
| 13 | 95-8830 | 1 | Hose Assembly |
| 14 | 2412-36 | 1 | Clamp-Hose |
| 15 | 95-8762 | 2 | Spacer |
| 16 | 3250-46 | 2 | Screw-PPH |
| 17 | 237-42 | 5 | O-Ring |
| 18 | 237-22 | 6 | O-Ring |
| 19 | 237-79 | 3 | O-Ring |
| 20 | 237-30 | 3 | O-Ring |
| 21 | 95-8792 | 1 | Tube Assembly |
| 24 | 95-8823 | 1 | Hose Assembly |
| 25 | 95-8824 | 1 | Hose Assembly |
| 26 | 95-8821 | 1 | Hose Assembly |
| 27 | 95-8820 | 1 | Hose Assembly |
| 28 | 95-8825 | 1 | Hose Assembly |
| 29 | 99-3500 | 1 | Hose |
| 30 | 66-8160 | 1 | Hose |
| 31 | 237-78 | 1 | O-Ring |




# Hydraulic Manifold Assembly No. 95-8675

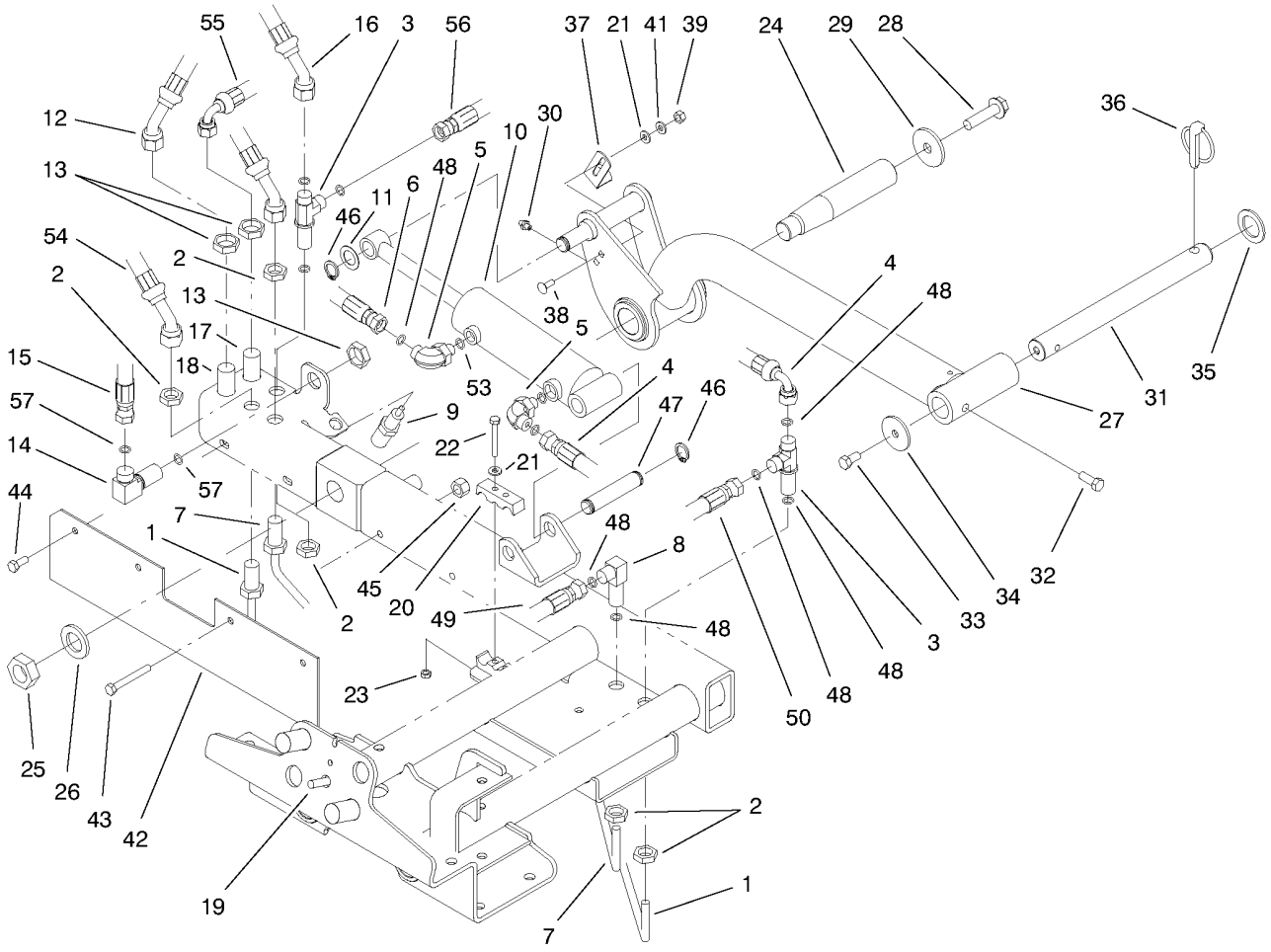
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Body-Manifold |
| 2 | 94-3655 | 1 | Assembly-Cartridge Valve (Incl. Ref. #25) |
| 3 | 93-7494 | 1 | Assembly-Spool (Incl. Ref. #23-25) |
| 4 | 94-3657 | 1 | Assembly-Spool (Incl. Ref. #16) |
| 5 | 83-2010 | 1 | Assembly-Coil (Incl. Ref. #24) |
| 6 | 69-4120 | 1 | Assembly-Cartridge Valve (Incl. Ref. #32) |
| 7 | 94-3659 | 1 | Assembly-Spool (Incl. Ref. #25) |
| 8 | 99-3542 | 1 | Cartridge-Cavity Plug (Incl. Ref. #32) |
| 9 | 95-5999 | 2 | Plug-Orifice |
| 10 | 353-991 | 4 | Plug-SAE (Incl. Ref. #29) |
| 11 | 353-990 | 12 | Plug-SAE (Incl. Ref. #31) |
| 12 | 99-3543 | 1 | Plate-Indicator |
| 13 | 94-5026 | 1 | Plate-Indicator |
| 14 | 353-989 | 3 | Plug-SAE (Incl. Ref. #30) |
| 15 | 99-3544 | 1 | Plug |
| 16 | 94-3661 | 1 | Kit-Seal |
| 17 | 94-5021 | 1 | Assembly-Locating Plate |
| 18 | 3245-36 | 2 | Screw-Set |
| 19 | 94-5023 | 2 | Assembly-Detent Plate (Incl. Ref. #18) |
| 20 | 94-5024 | 2 | Spring-Compression |
| 21 | 3218-1 | 4 | Nut-Jam |
| 22 | 94-5020 | 2 | Knob |
| 23 | 69-4300 | 1 | Nut |
| 24 | 94-5438 | 2 | O-Ring |
| 25 | 75-2080 | 3 | Kit-Seal |
| 26 | 94-5027 | 2 | Spring-Compression |
| 27 | 94-5025 | 1 | Assembly-Locating Plate |
| 29 | 237-156 | 4 | O-Ring |
| 30 | 237-42 | 3 | O-Ring |
| 31 | 237-78 | 12 | O-Ring |
| 32 | 69-4240 | 2 | Kit-Seal |




# Scissors Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8526 | 6 | Bushing-Plastic |
| 2 | 99-3505 | 2 | Link-Scissor (Incl. Ref. #25) |
| 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 | 1 | Scissor Frame |
| 8 | 95-8512 | 1 | Cylinder-Hydraulic |
| 9 | 95-8603 | 2 | Spacer |
| 10 | 87-5330 | 2 | Washer-Flat |
| 11 | 324-6 | 2 | Screw-HH |
| 12 | 3296-48 | 2 | Nut-Lock NI |
| 13 | 95-8529 | 3 | Pin-Welded |
| 14 | 3234-14 | 3 | Screw-Hfh |
| 15 | 32152-1 | 3 | Nut-Lock |
| 16 | 46-6350 | 2 | Spacer |

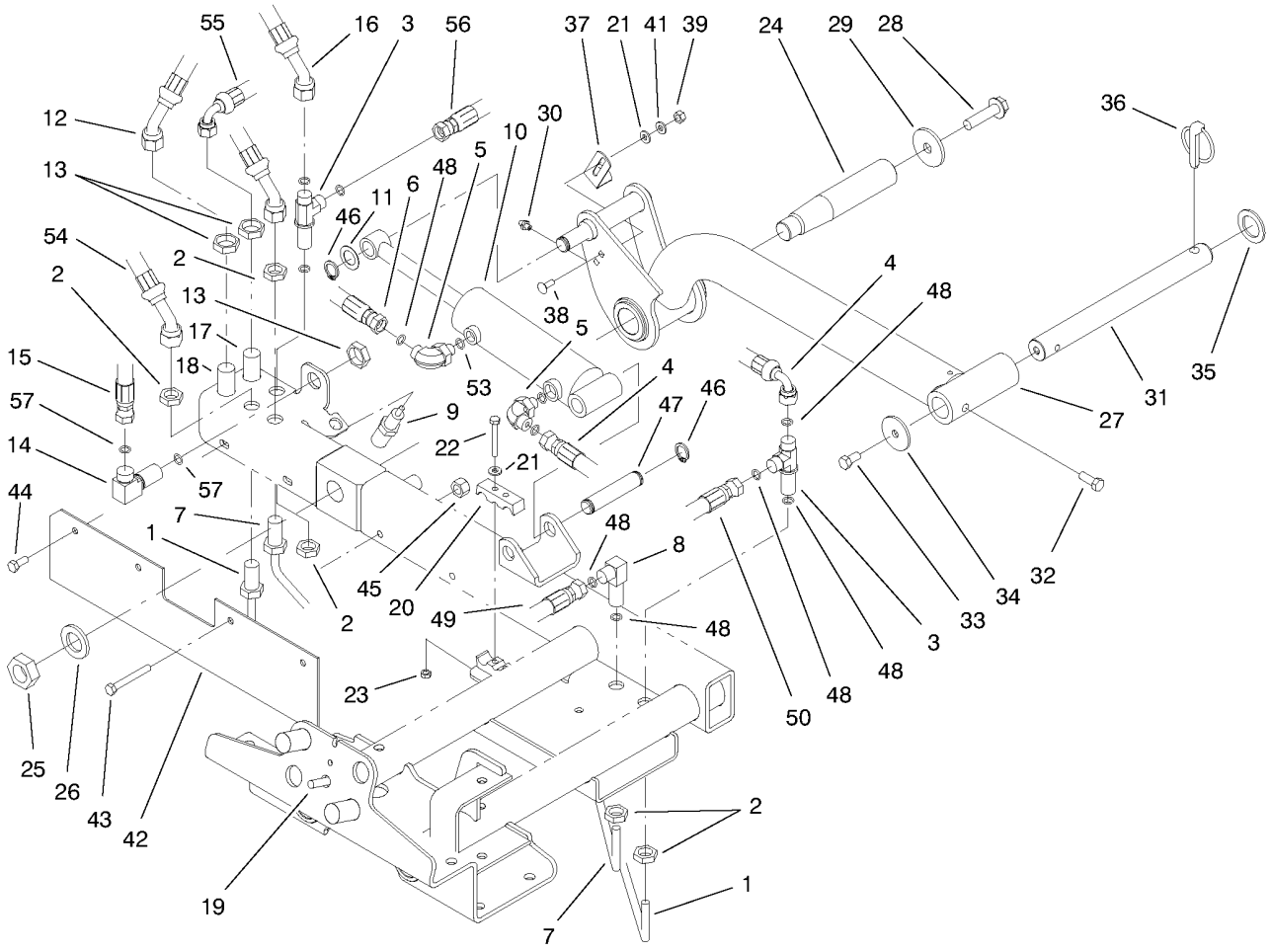
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 17 | 95-8790 | 1 | Tube Assembly |
| 18 | 95-8791 | 1 | Tube Assembly |
| 19 | 340-154 | 2 | Fitting-Hydraulic, 90Ø (Incl. Ref. #26) |
| 20 | 340-70 | 2 | Nut-Lock, Bulkhead |
| 21 | 85-9720 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #27 & 28) |
| 22 | 95-8838 | 1 | Hose |
| 23 | 340-132 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #27 & 28) |
| 24 | 95-8839 | 1 | Hose |
| 25 | 94-3353 | 1 | Decal-Pinch Point |
| 26 | 237-22 | 4 | O-Ring |
| 27 | 237-78 | 2 | O-Ring |
| 28 | 237-21 | 2 | O-Ring |
| 29 | 32120-93 | 1 | Ring-Retaining |




# Rear Lift Arm Assembly

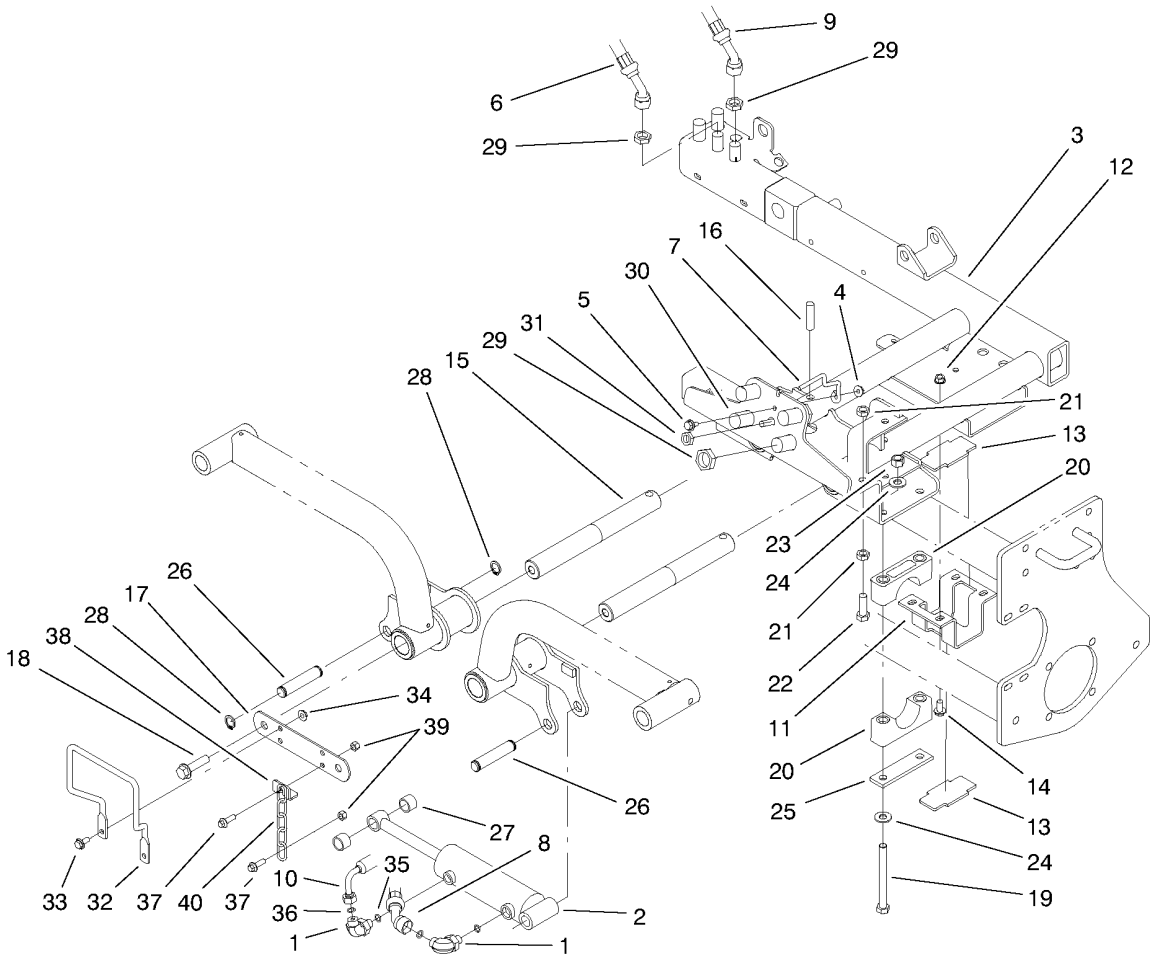
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8984 | 1 | Tube Assembly |
| 2 | 340-70 | 5 | Nut-Lock |
| 3 | 340-68 | 2 | Fitting-Hydraulic, Tee (Incl. Ref. #48) |
| 4 | 95-8831 | 1 | Hose Assembly |
| 5 | 340-77 | 2 | Fitting-Hydraulic, 90Ø (Incl. Ref. #48 & 53) |
| 6 | 95-8823 | 1 | Hose Assembly |
| 7 | 95-8983 | 1 | Tube Assembly |
| 8 | 340-154 | 1 | Fitting-Hydraulic, 90Ø (Incl. Ref. #48) |
| 9 | 93-6762 | 1 | Switch-Push Button |
| 10 | 95-8978 | 1 | Cylinder-Hydraulic |
| 11 | 3-6498 | 1 | Washer-Thrust |
| 12 | 95-8820 | 1 | Hose Assembly |
| 13 | 340-127 | 3 | Nut-Bulkhead |
| 14 | 93-9151 | 1 | Fitting-Hydraulic (Incl. Ref. #57) |
| 15 | 95-8824 | 1 | Hose Assembly |
| 16 | 95-8825 | 1 | Hose Assembly |
| 17 | 95-8980 | 1 | Tube Assembly |
| 18 | 95-8981 | 1 | Tube Assembly |
| 19 | 95-8982 | 1 | Tube Assembly |
| 20 | 93-2509 | 2 | Clamp-Tube |
| 21 | 3256-22 | 4 | Washer-Flat |
| 22 | 321-11 | 2 | Screw-HH |
| 23 | 3296-42 | 2 | Nut-Hex. Lock |
| 24 | 95-8990 | 1 | Shaft-Pivot, Rear |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 25 | 3220-9 | 1 | Nut-Hex. Jam |
| 26 | 86-1480 | 1 | Washer |
| 27 | 95-8985 | 1 | Lift Arm Assembly |
| 28 | 3234-27 | 1 | Screw-Hfh |
| 29 | 75-7730 | 1 | Washer-Thrust |
| 30 | 302-5 | 1 | Fitting-Grease |
| 31 | 95-8979 | 1 | Shaft-Cu, Pivot |
| 32 | 323-6 | 1 | Screw-HH |
| 33 | 323-4 | 1 | Screw-HH |
| 34 | 63-7400 | 1 | Washer-Rebound |
| 35 | 3-6781 | 1 | Washer |
| 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 |
| 42 | 95-8591 | 1 | Guard |
| 43 | 322-12 | 2 | Screw-HH |
| 44 | 322-3 | 2 | Screw-HH |
| 45 | 3296-29 | 4 | Nut-Lock NI |
| 46 | 32120-93 | 3 | Ring-Retaining, External |
| 47 | 95-8575 | 1 | Pin-Clevis |
| 48 | 237-22 | 9 | O-Ring |
| 49 | 95-8840 | 1 | Hose Assembly |
| 50 | 99-3439 | 1 | Hose Assembly |
| 53 | 237-42 | 1 | O-Ring |
| 54 | 95-8822 | 1 | Hose Assembly |
| 55 | 95-8826 | 1 | Hose Assembly |




# Rear Lift Arm Assembly (continued)

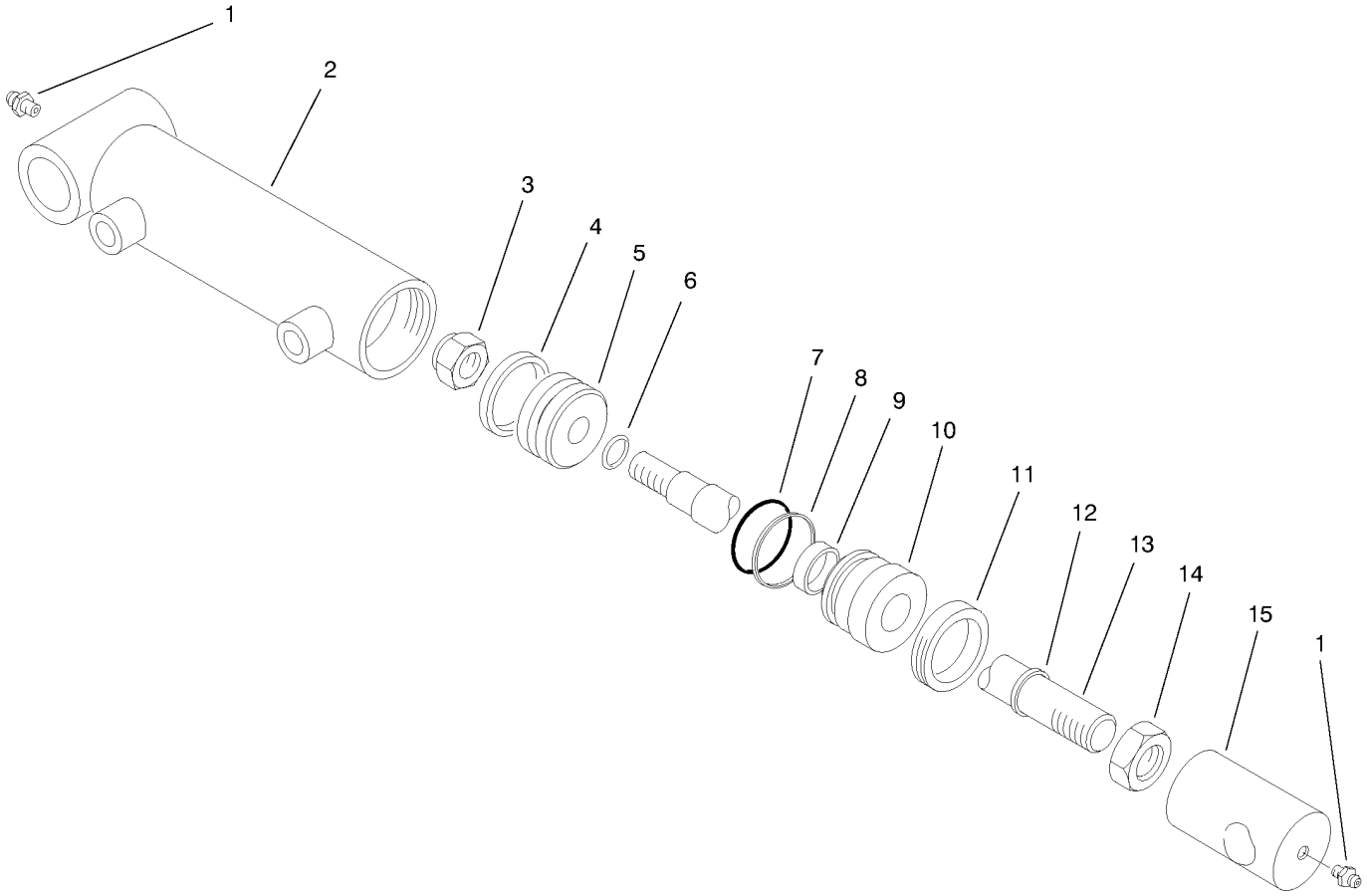
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 56 | 95-8828 | 1 | Hose Assembly |
| 57 | 237-30 | 2 | O-Ring |




# Carrier Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 340-77 | 2 | Fitting-Hydraulic, 90Ø (Incl. Ref. #35 & 36) |
| 2 | 95-8978 | 1 | Cylinder-Hydraulic |
| 3 | 95-8973 | 1 | Carrier Assembly |
| 4 | 32128-33 | 1 | Nut-Hex. Flange |
| 5 | 3234-4 | 1 | Screw-Hfh |
| 6 | 95-8822 | 1 | Hose |
| 7 | 99-3433 | 1 | Wire-Centering |
| 8 | 99-3439 | 1 | Hose Assembly |
| 9 | 95-8821 | 1 | Hose Assembly |
| 10 | 95-8840 | 1 | Hose Assembly |
| 11 | 95-8519 | 1 | Bracket-Slide |
| 12 | 32128-43 | 4 | Nut-Hex. Flange |
| 13 | 95-8538 | 2 | Slide-Plastic |
| 14 | 3234-1 | 4 | Screw-Hfh |
| 15 | 95-8531 | 2 | Shaft-Pivot, Liftarm |
| 16 | 32121-122 | 2 | Pin-Roll |
| 17 | 95-8532 | 1 | Link-Shaft, Pivot |
| 18 | 3234-27 | 2 | Screw-Hfh |
| 19 | 325-19 | 4 | Screw-HH |
| 20 | 95-8609 | 4 | Cap-Bearing |

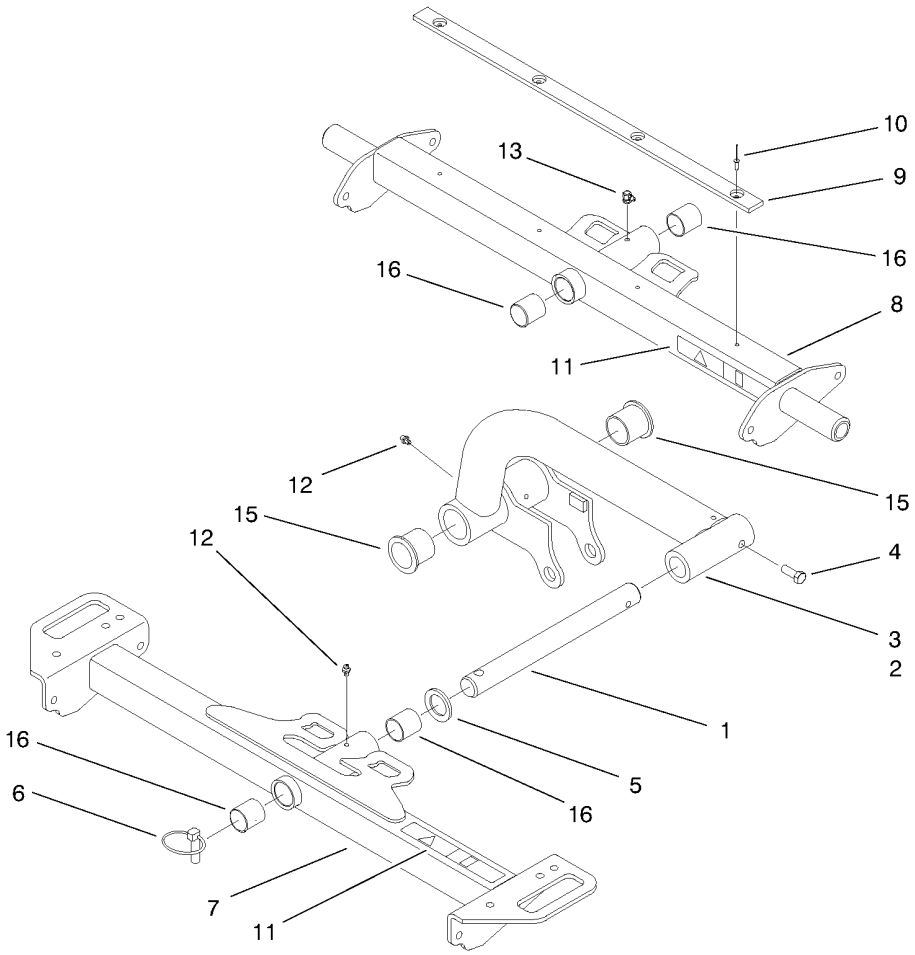
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 21 | 3218-5 | 4 | Nut-Jam |
| 22 | 325-6 | 2 | Screw-HH |
| 23 | 3296-23 | 4 | Nut-Hex. Lock |
| 24 | 87-7270 | 8 | Washer-Hardened |
| 25 | 99-3373 | 2 | Bar-Support, Slide |
| 26 | 95-8575 | 2 | Pin-Clevis |
| 27 | 75-9590 | 2 | Spacer |
| 28 | 32120-93 | 4 | Ring-Retaining, External |
| 29 | 340-74 | 4 | Nut-Bulkhead |
| 30 | 94-1319 | 1 | Tube-Hydraulic |
| 31 | 340-78 | 1 | Nut-Bulkhead |
| 32 | 99-3492 | 1 | Rod-Hose |
| 33 | 3234-5 | 2 | Screw-Hfh |
| 34 | 32128-44 | 2 | Nut-Hex. Flange |
| 35 | 237-42 | 2 | O-Ring |
| 36 | 237-22 | 2 | O-Ring |
| 37 | 3234-17 | 4 | Screw-Hfh |
| 38 | 99-3550 | 2 | Clip-Link |
| 39 | 3296-29 | 4 | Nut-Hex. |
| 40 | 98-7981 | 2 | Chain-Straight Link |




# Hydraulic Cylinder Assembly No. 95-8978

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 302-5 | 2 | Fitting-Grease |
| 2 | | 1 | Barrel W/Clevis |
| 3 | 32152-10 | 1 | Nut |
| 4 | | 1 | Uniring |
| 5 | 52-1990 | 1 | Piston |
| 6 | | 1 | O-Ring |
| 7 | | 1 | O-Ring |
| 8 | | 1 | Ring-Backup |
| 9 | | 1 | Seal-Rod |
| 10 | 65-4860 | 1 | Head |
| 11 | 99-3532 | 1 | Collar-Internal |
| 12 | | 1 | Seal-Dust |
| 13 | 99-3534 | 1 | Shaft |
| 14 | 3220-6 | 1 | Nut |
| 15 | 99-3533 | 1 | Clevis |
| * | 83-7240 | 1 | Kit-Seal Repair (Incl. Ref. #4, 6-9 & 12) ● |

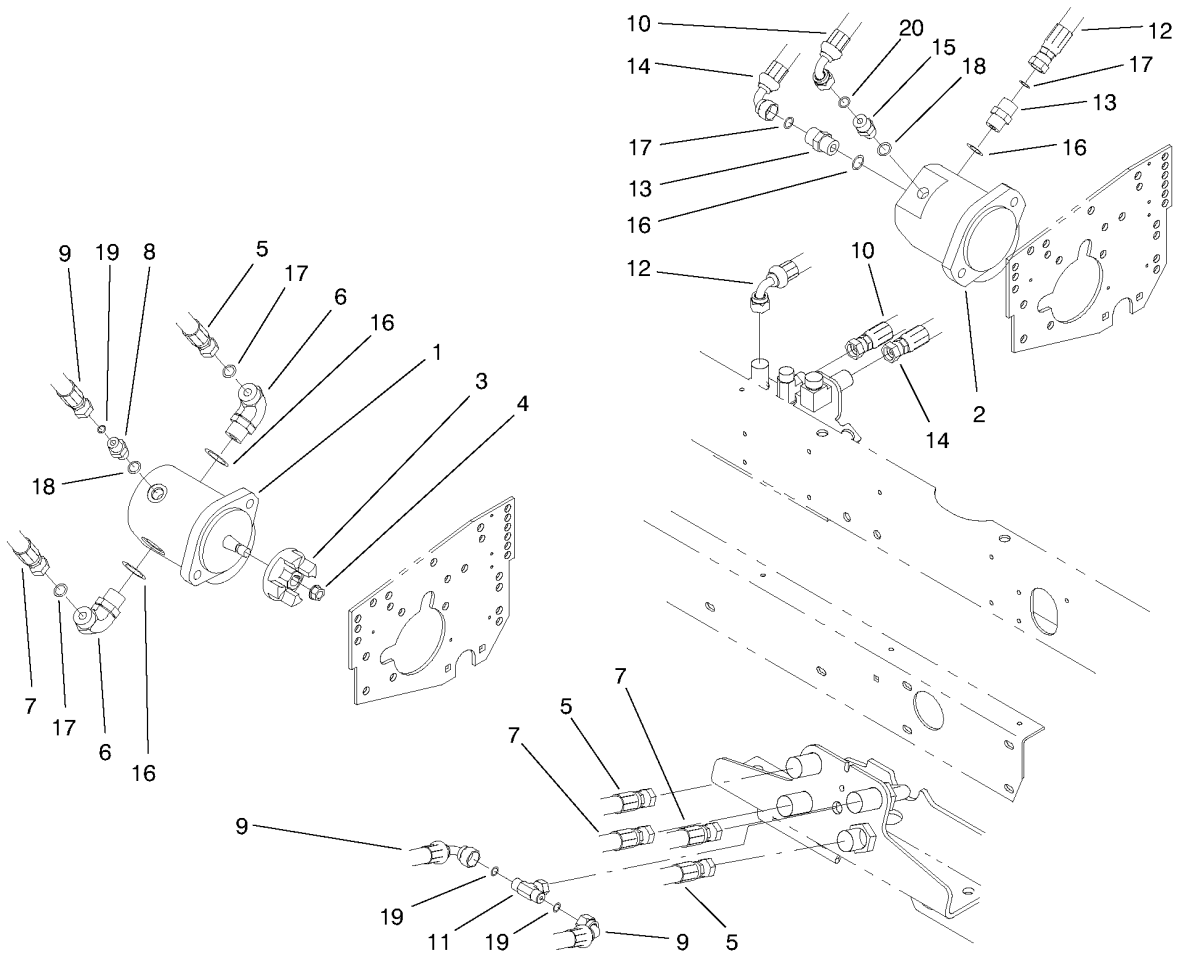
● * Not Illustrated




# Carrier Frame and Lift Arm Assembly

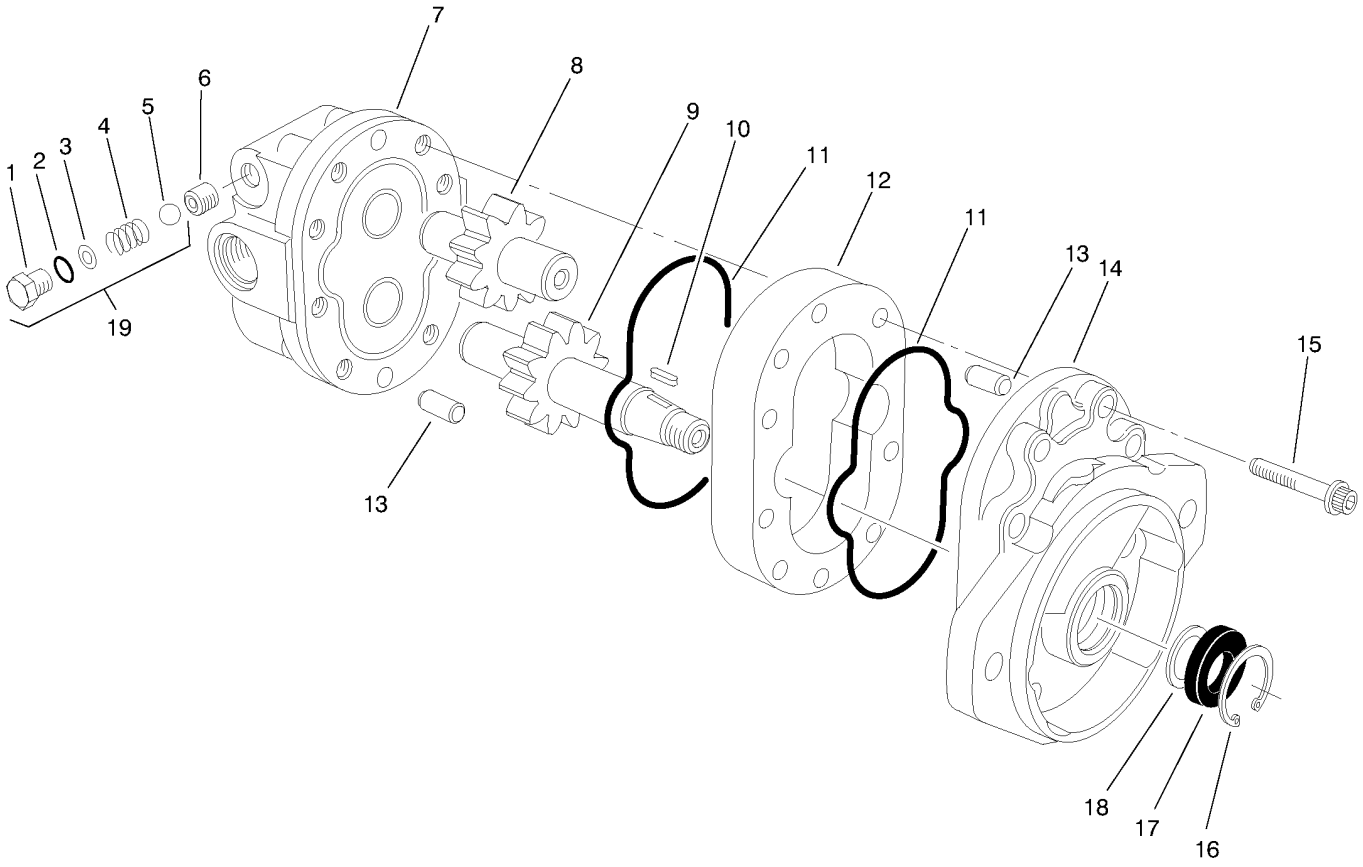
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 95-8979 | 2 | Shaft-Cutting Unit, Pivot |
| 2 | 95-8553 | 1 | Lift Arm-RH, 27" (Incl. Ref. #15) |
| 2 | 95-8550 | 1 | Lift Arm-RH, 32" (Incl. Ref. #15) |
| *3 | 95-8554 | 1 | Lift Arm-LH, 27" (Incl. Ref. #15) ● |
| *3 | 95-8551 | 1 | Lift Arm-LH, 32" (Incl. Ref. #15) ● |
| 4 | 323-6 | 2 | Screw-HH |
| 5 | 3-6781 | 2 | Washer |
| 6 | 283-71 | 2 | Pin-Lynch |
| 7 | 95-3506 | 2 | Carrier Frame-Front, 27" (Incl. Ref. #11 & 16) |
| 7 | 95-3507 | 2 | Carrier Frame-Front, 32" (Incl. Ref. #11 & 16) |
| 8 | 95-3508 | 1 | Carrier Frame-Rear, 27" (Incl. Ref. #11 & 16) |
| 8 | 95-3509 | 1 | Carrier Frame-Rear, 32" (Incl. Ref. #11 & 16) |
| 9 | 95-8936 | 1 | Strip-Wear |
| 10 | 3269-18 | 4 | Rivet-Blind |
| 11 | 94-3353 | 3 | Decal-Pinch Point |
| 12 | 302-5 | 4 | Fitting-Grease, Straight |
| 13 | 302-60 | 1 | Fitting-Grease, 90Ø |
| 15 | 69-6470 | 4 | Bushing |
| 16 | 95-8795 | 6 | Bushing |

● * Not Illustrated




# Cutting Unit Drive Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 93-6972 | 2 | Motor-Hydraulic |
| 2 | 93-6975 | 1 | Motor-Hydraulic |
| 3 | 93-8823 | 3 | Coupler-Reel Motor |
| 4 | 32128-48 | 3 | Nut-Hex. Flange |
| 5 | 95-8836 | 2 | Hose |
| 6 | 340-105 | 4 | Fitting-Hydraulic, 90Ø (Incl. Ref. #16 & 17) |
| 7 | 95-8835 | 2 | Hose |
| 8 | 340-1 | 2 | Fitting-Hydraulic, Straight (Incl. Ref. #18 & 19) |
| 9 | 95-8837 | 2 | Hose |
| 10 | 95-8828 | 1 | Hose |
| 11 | 99-3477 | 1 | Fitting-Hydraulic, Tee (Incl. Ref. #19) |
| 12 | 95-8826 | 1 | Hose |
| 13 | 340-6 | 2 | Fitting-Hydraulic, Straight (Incl. Ref. #16 & 17) |
| 14 | 95-8827 | 1 | Hose |
| 15 | 340-2 | 1 | Fitting-Hydraulic, Straight (Incl. Ref. #18 & 20) |
| 16 | 237-80 | 6 | O-Ring |
| 17 | 237-30 | 6 | O-Ring |
| 18 | 237-42 | 4 | O-Ring |
| 19 | 237-21 | 4 | O-Ring |
| 20 | 237-22 | 2 | O-Ring |

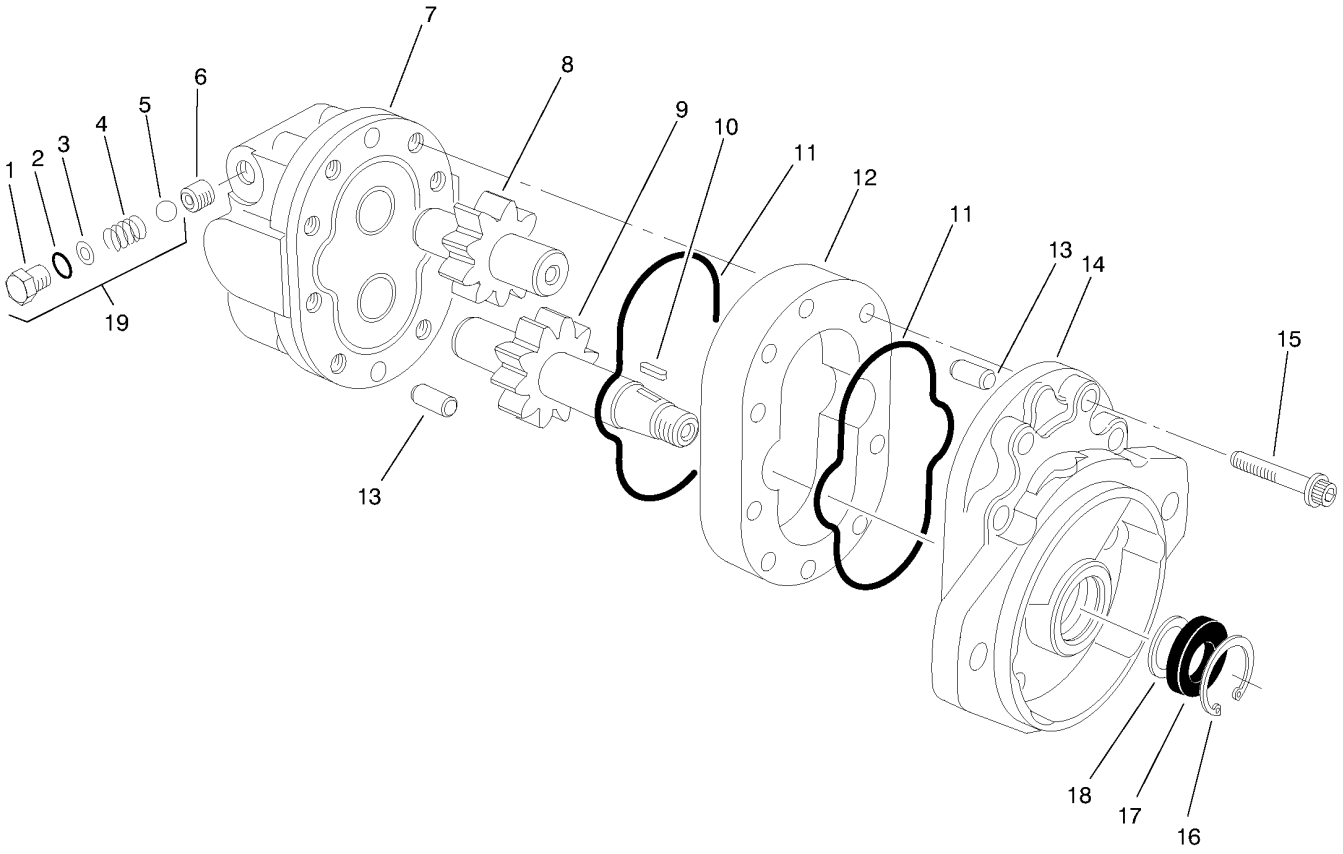



# Hydraulic Motor Assembly No. 93-6972

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 2 | Plug |
| 2 | | 2 | O-Ring ■ |
| 3 | | 1 | Shim ■ |
| 4 | | 2 | Spring ■ |
| 5 | | 2 | Ball ■ |
| 6 | | 2 | Seal-Relief Valve ■ |
| 7 | 94-3604 | 1 | Asm-Backplate/Relief (Incl. Ref. #1-6) |
| 8 | 94-3601 | 1 | Gear-Idler |
| 9 | 94-3602 | 1 | Gear-Drive |
| 10 | 94-3606 | 1 | Key |
| 11 | 59-8420 | 2 | O-Ring |
| 12 | 94-3603 | 1 | Body |
| 13 | 42-2010 | 2 | Pin-Alignment |
| 14 | 66-5730 | 1 | Asm-Front Plate |
| 15 | 94-3600 | 8 | Screw-Hex. Socket Hd. |
| 16 | 59-8320 | 1 | Ring-Retaining |
| 17 | 66-5710 | 1 | Seal-Oil |
| 18 | 60-5890 | 1 | Washer-Backup |
| 19 | 92-9260 | 1 | Asm-Relief Valve (Incl. Ref. #1-5) |
| * | 93-1413 | 1 | Kit-Seal Repair (Incl. Ref. #2, 11, 16, & 17) ● |

● * Not Illustrated

■ Not serviced separately

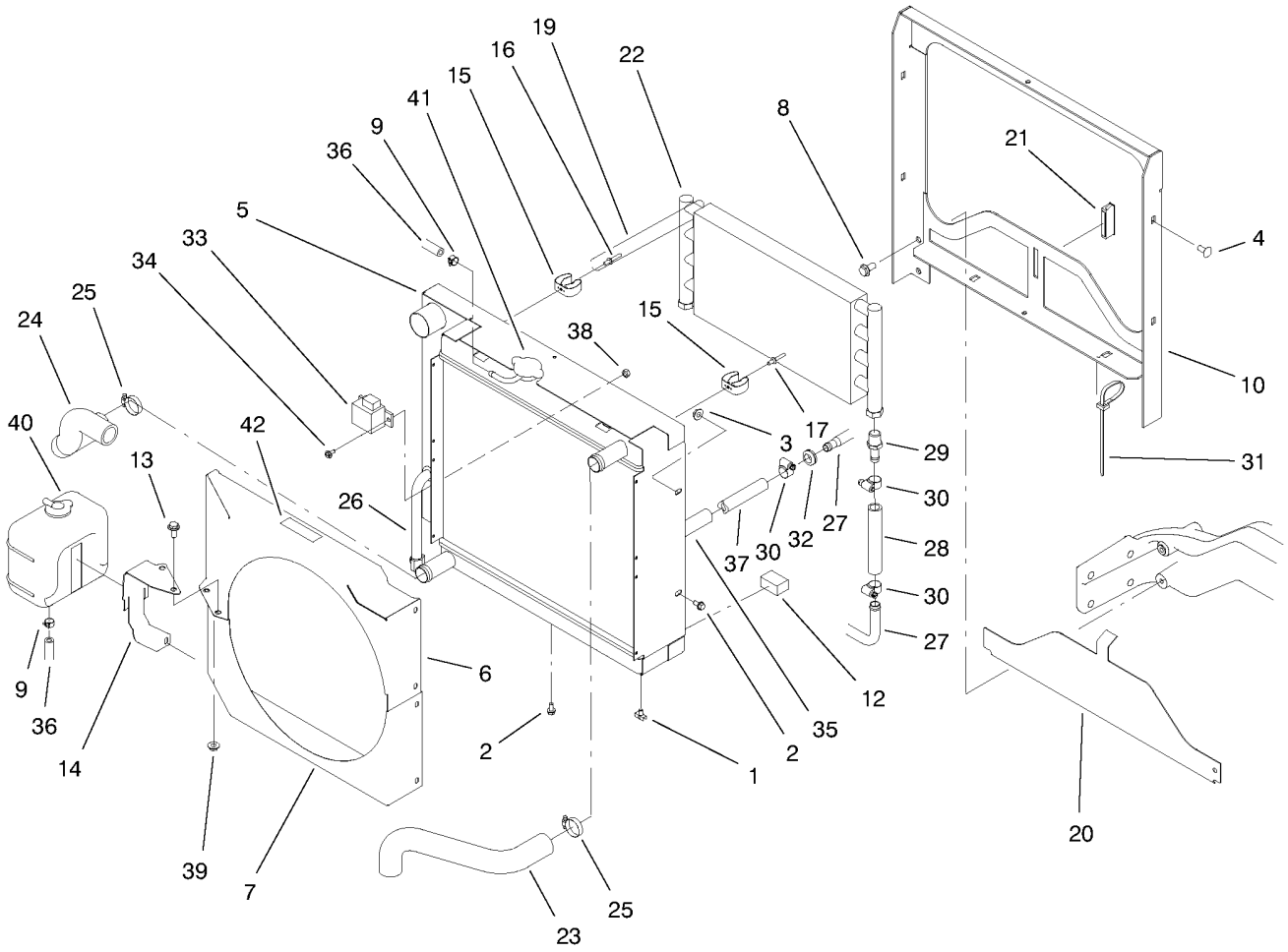



# Hydraulic Motor Assembly No. 93-6975

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 2 | Plug |
| 2 | | 2 | O-Ring ■ |
| 3 | | 1 | Shim ■ |
| 4 | | 2 | Spring ■ |
| 5 | | 2 | Ball ■ |
| 6 | | 2 | Seal-Relief Valve ■ |
| 7 | 94-3605 | 1 | Asm-Backplate/Relief (Incl. Ref. #1-6) |
| 8 | 94-3601 | 1 | Gear-Idler |
| 9 | 94-3602 | 1 | Gear-Drive |
| 10 | 94-3606 | 1 | Key |
| 11 | 59-8420 | 2 | O-Ring |
| 12 | 94-3603 | 1 | Body |
| 13 | 42-2010 | 2 | Pin-Alignment |
| 14 | 66-5730 | 1 | Asm-Front Plate |
| 15 | 94-3600 | 8 | Screw-Hex. Socket Hd. |
| 16 | 59-8320 | 1 | Ring-Retaining |
| 17 | 66-5710 | 1 | Seal-Oil |
| 18 | 60-5890 | 1 | Washer-Backup |
| 19 | 92-9260 | 1 | Asm-Relief Valve (Incl. Ref. #1-5) |
| * | 93-1413 | 1 | Kit-Seal Repair (Incl. Ref. #2, 11, 16, & 17) ● |

● * Not Illustrated

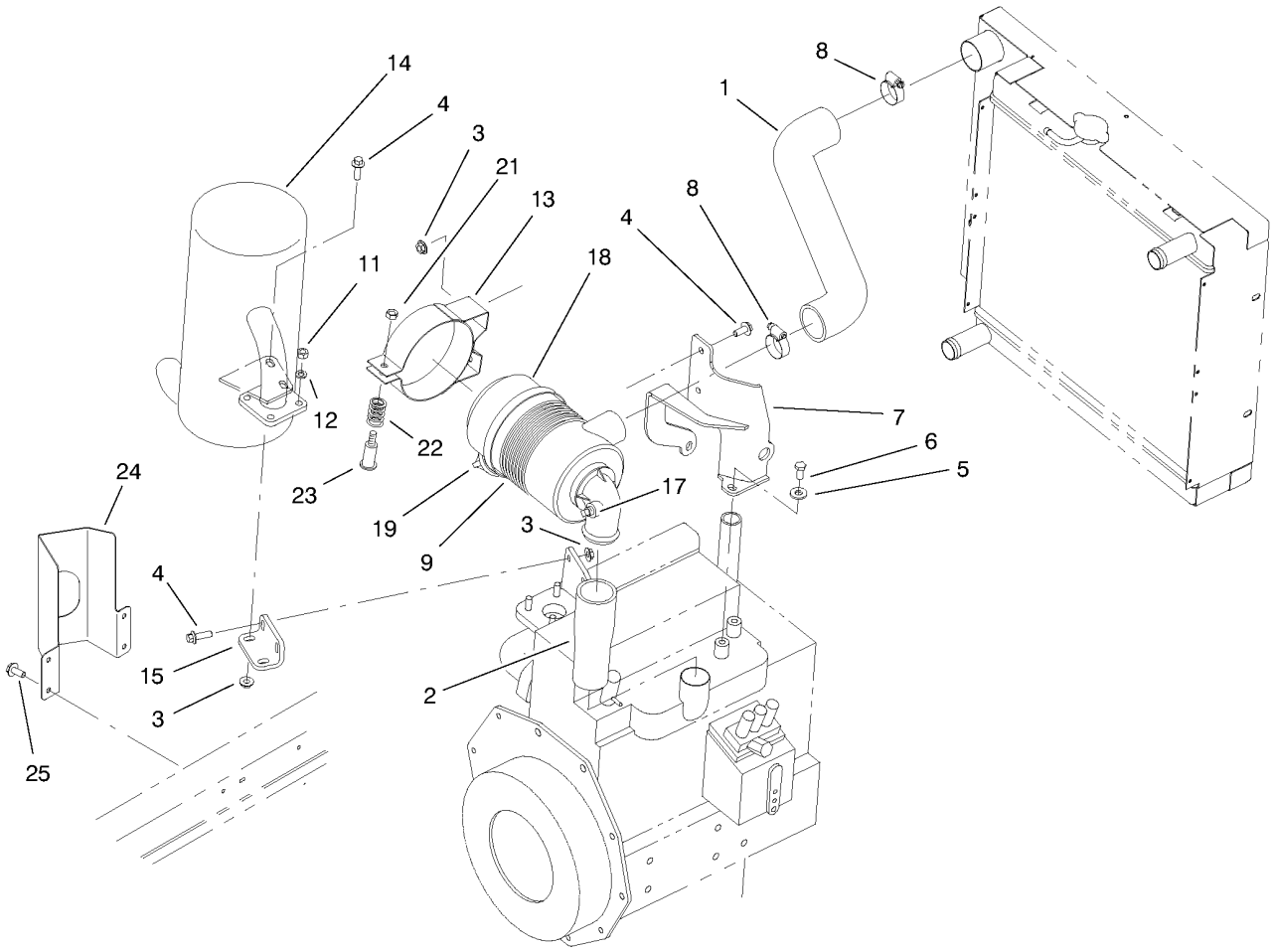
■ Not serviced separately




# Radiator Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 304-46 | 1 | Valve-Drain Cock |
| 2 | 32104-116 | 10 | Screw-Hfh |
| 3 | 32128-44 | 4 | Nut-Hex. Flange |
| 4 | 3230-1 | 4 | Screw-CARR |
| 5 | 95-8934 | 1 | Radiator (Incl. Ref. #41) |
| 6 | 99-3359 | 1 | Shroud-Fan, Top |
| 7 | 99-3360 | 1 | Shroud-Fan |
| 8 | 3234-1 | 4 | Screw-Hfh |
| 9 | 92-2379 | 2 | Clamp-Hose |
| 10 | 95-8695 | 1 | Frame Assembly-Radiator |
| 12 | 95-8962 | 2 | Seal-Radiator |
| 13 | 3234-5 | 2 | Screw-Hfh |
| 14 | 95-8879 | 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 | 1 | Frame-Screen, Lower |
| 21 | 99-3497 | 1 | Catch-Magnetic |
| 22 | 75-1040 | 1 | Cooler-Oil |

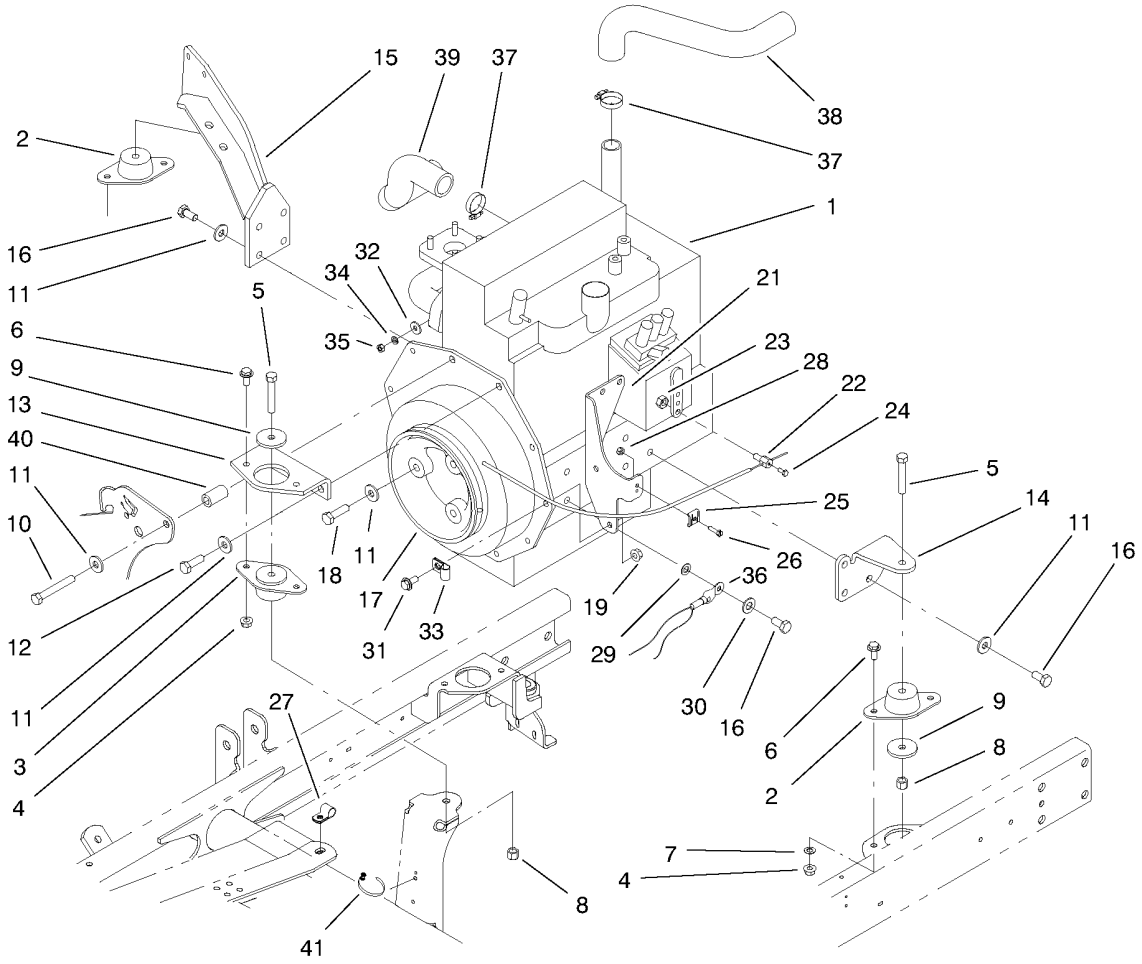
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 23 | 95-8944 | 1 | Hose-Radiator, Upper |
| 24 | 95-8945 | 1 | Hose-Radiator, Lower |
| 25 | 2412-34 | 2 | Clamp-Hose |
| 26 | 95-8704 | 1 | Tube-Hydraulic |
| 27 | 95-8705 | 1 | Tube-Hydraulic |
| 28 | 95-8706 | 2 | Hose-Hydraulic |
| 29 | 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-Glow Plug |
| 34 | 32105-13 | 2 | Screw-Thread Form |
| 35 | 99-3490 | 1 | Sleeve |
| 36 | 63-7623 | 1 | Hose |
| 37 | 99-3500 | 1 | Hose |
| 38 | 3296-2 | 2 | Nut-Lock NI |
| 39 | 32128-20 | 2 | Nut-Hex. Flange |
| 40 | 98-9323 | 1 | Reservoir |
| 41 | 93-5957 | 1 | Cap-Radiator |
| 42 | 93-6681 | 1 | Decal-Waring Fan |




# Muffler and Air Cleaner Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 95-8946 | 1 | Hose-Air Inlet, Upper |
| 2 | 95-8947 | 1 | Hose-Air Inlet, Lower |
| 3 | 32128-44 | 6 | Nut-Hex. Flange |
| 4 | 3234-5 | 6 | Screw-Hfh |
| 5 | 3256-23 | 2 | Washer-Plain |
| 6 | 33114-016 | 2 | Screw-HH |
| 7 | 99-3355 | 1 | Bracket Assembly-Air Filter |
| 8 | 2412-92 | 4 | Clamp-Hose |
| 9 | 93-2190 | 1 | Air Cleaner Assembly (Incl. Ref. #17-20) |
| 11 | 33014-00 | 4 | Nut-Hex. |
| 12 | 42-9850 | 4 | Washer-Lock |
| 13 | 93-2191 | 1 | Mounting Band Assembly (Incl. Ref. #21-23) |
| 14 | 95-8942 | 1 | Muffler |
| 15 | 95-8943 | 1 | Bracket-Muffler |
| 17 | 285-17 | 1 | Plug |
| 18 | 94-3652 | 1 | Cover Assembly |
| 19 | 94-1414 | 1 | Valve |
| *20 | 93-2195 | 1 | Element-Air Cleaner ● |
| 21 | 48-9510 | 1 | Nut-Lock |
| 22 | 94-3654 | 1 | Spring-Compression |
| 23 | 94-3653 | 1 | Bolt |
| 24 | 99-3425 | 1 | Guard-Exhaust (Europe) |
| 25 | 32144-10 | 4 | Screw-HWH (Europe) |

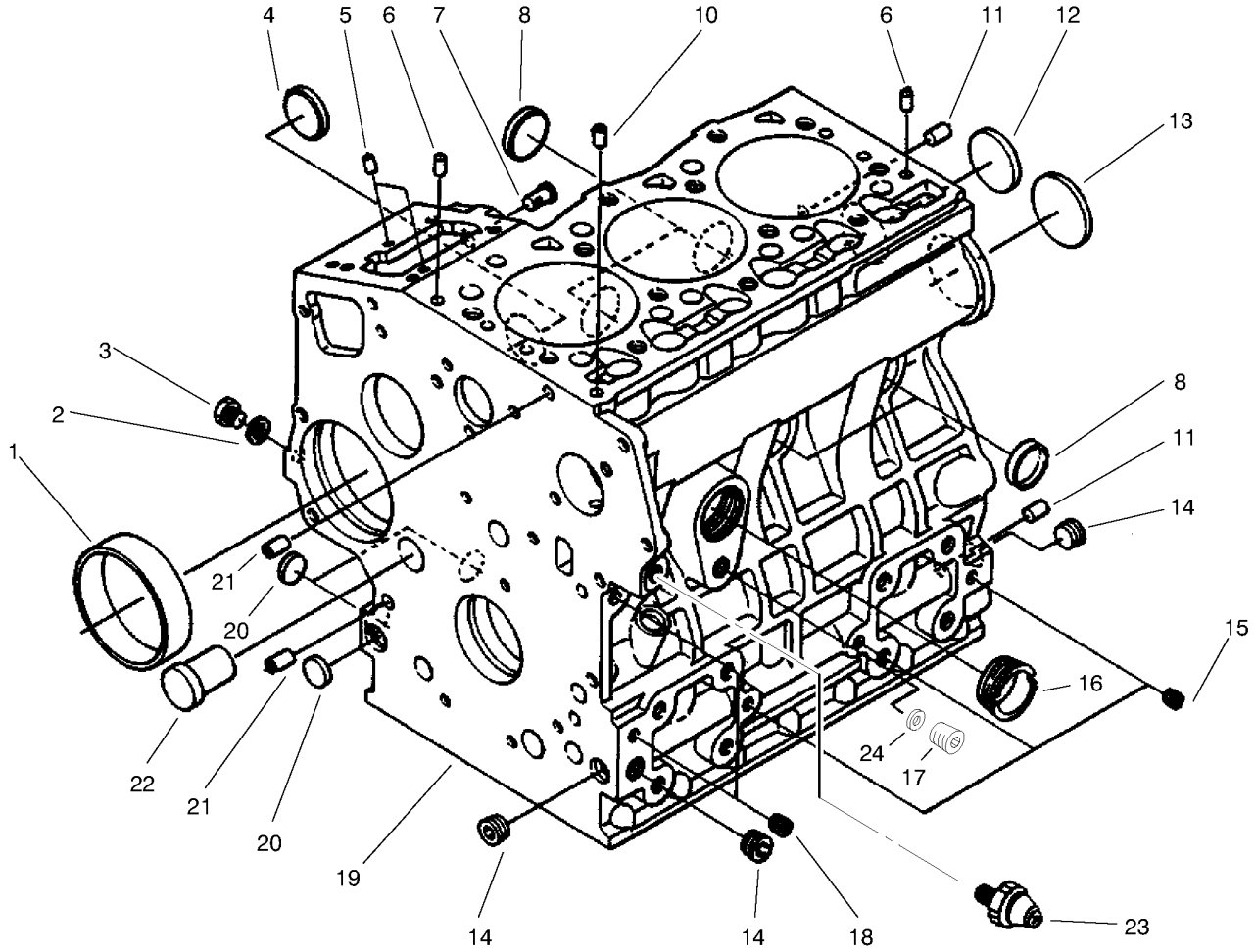
● * Not Illustrated




# Engine Assembly

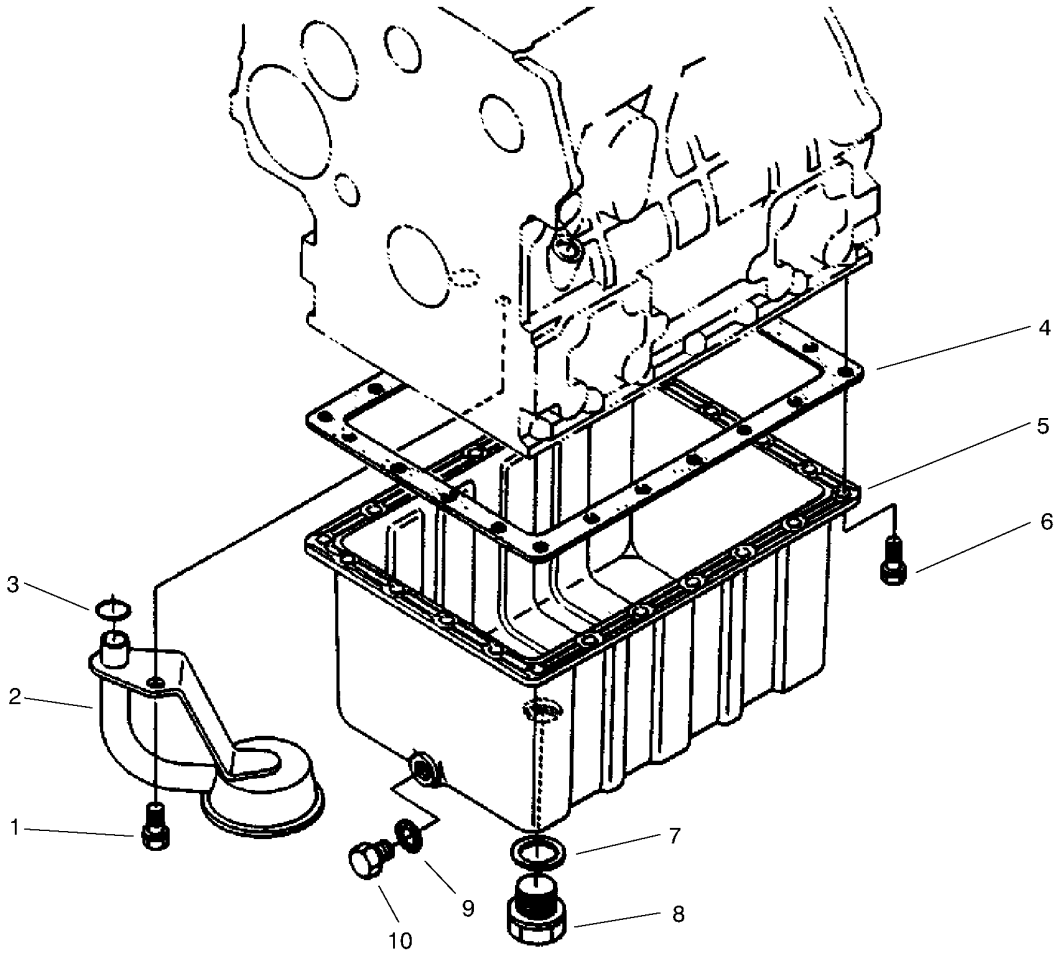
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 95-8912 | 1 | Engine-Kubota D1105 |
| 2 | 83-1030 | 2 | Mount-Engine |
| 3 | 93-5265 | 1 | Mount-Engine |
| 4 | 32128-20 | 6 | Nut-Hex. Flange |
| 5 | 323-11 | 3 | Screw-HH |
| 6 | 3234-5 | 6 | Screw-Hfh |
| 7 | 3255-8 | 1 | Washer-Lock, External |
| 8 | 3296-39 | 3 | Nut-Lock NI |
| 9 | 80-8560 | 3 | Washer |
| 10 | 42-9370 | 1 | Screw-Machine |
| 11 | 80-6990 | 12 | Washer-Hardened |
| 12 | 95-8812 | 1 | Screw-HH |
| 13 | 95-8926 | 1 | Mount-Engine, Front |
| 14 | 95-8937 | 1 | Mount-Engine, LH |
| 15 | 95-8919 | 1 | Mount Assembly-Engine |
| 16 | 63-7790 | 8 | Screw-HH |
| 17 | 99-3412 | 1 | Pulley |
| 18 | 56-2140 | 3 | Screw-HH |
| 19 | 32128-44 | 2 | Nut-Hex. Flange |
| 21 | 99-3354 | 1 | Support-Throttle, Filter |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 22 | 98-9311 | 1 | Swivel-Throttle Cable |
| 23 | 3296-20 | 1 | Nut-Lock NI |
| 24 | 25-8640 | 1 | Screw-SHH |
| 25 | 81-1690 | 1 | Clamp-Throttle Cable |
| 26 | 32105-13 | 1 | Screw-HH |
| 27 | 2412-112 | 1 | Clamp-R |
| 28 | 3296-2 | 1 | Nut-Lock NI |
| 29 | 3255-9 | 1 | Washer-Lock |
| 30 | 3256-25 | 1 | Washer-Flat |
| 31 | 3234-17 | 2 | Screw-Hfh |
| 32 | 3256-78 | 1 | Washer-Flat |
| 33 | 2412-10 | 1 | Clamp-R |
| 34 | 43-5930 | 1 | Washer-Lock |
| 35 | 48-7890 | 1 | Nut-Hex. |
| 36 | 99-3441 | 1 | Harness-Wire |
| 37 | 2412-34 | 2 | Clamp-Hose |
| 38 | 95-8944 | 1 | Hose-Radiator, Upper |
| 39 | 95-8945 | 1 | Hose-Radiator, Lower |
| 40 | 95-8736 | 1 | Spacer |
| 41 | 3290-378 | 1 | Tie-Cable |



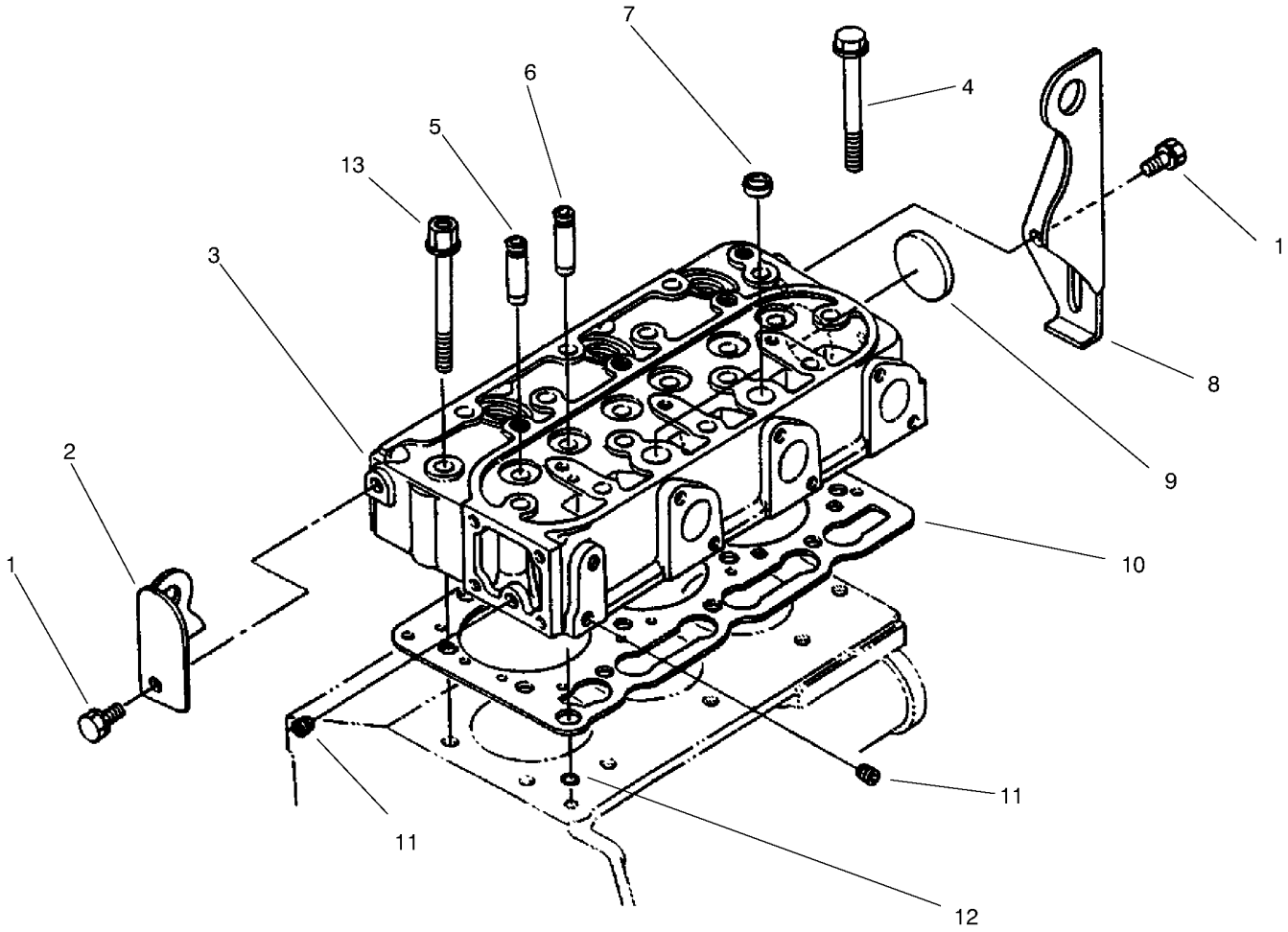

# Crankcase Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9656 | 1 | Bushing-Governor, Gear |
| 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 | Cap-Sealing |
| 13 | 98-9668 | 1 | Plug-Expansion |
| 14 | 98-9597 | 3 | Plug |
| 15 | 98-7540 | 3 | Plug |
| 16 | 98-9667 | 1 | Plug |
| 17 | 99-3447 | 1 | Plug-Pipe |
| 18 | 98-7487 | 2 | Plug |
| 19 | 98-9604 | 1 | Asm-Crankcase (Incl. Ref. #1-8, 10-16, 18 & 20-22) |
| 20 | 98-9379 | 3 | Plug-Expansion |
| 21 | 98-9387 | 2 | Pin-Pipe |
| 22 | 98-9675 | 1 | Plug |
| 23 | 98-9416 | 1 | Switch |
| 24 | 99-3445 | 1 | Gasket |



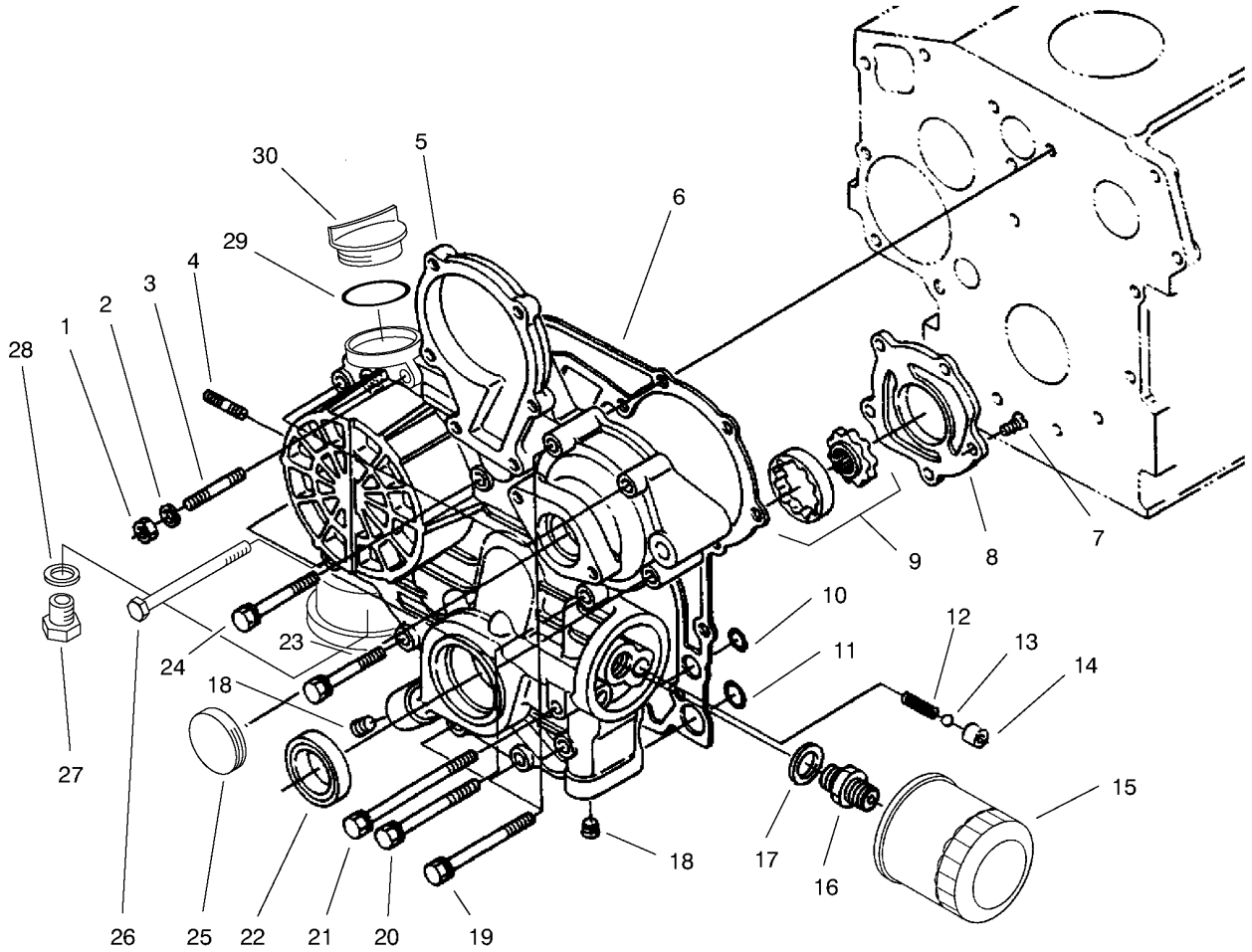

# Oil Pan Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9358 | 1 | Bolt |
| 2 | 98-9538 | 1 | Filter-Oil |
| 3 | 98-7527 | 1 | O-Ring |
| 4 | 98-9646 | 1 | Gasket-Oil Pan |
| 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 |



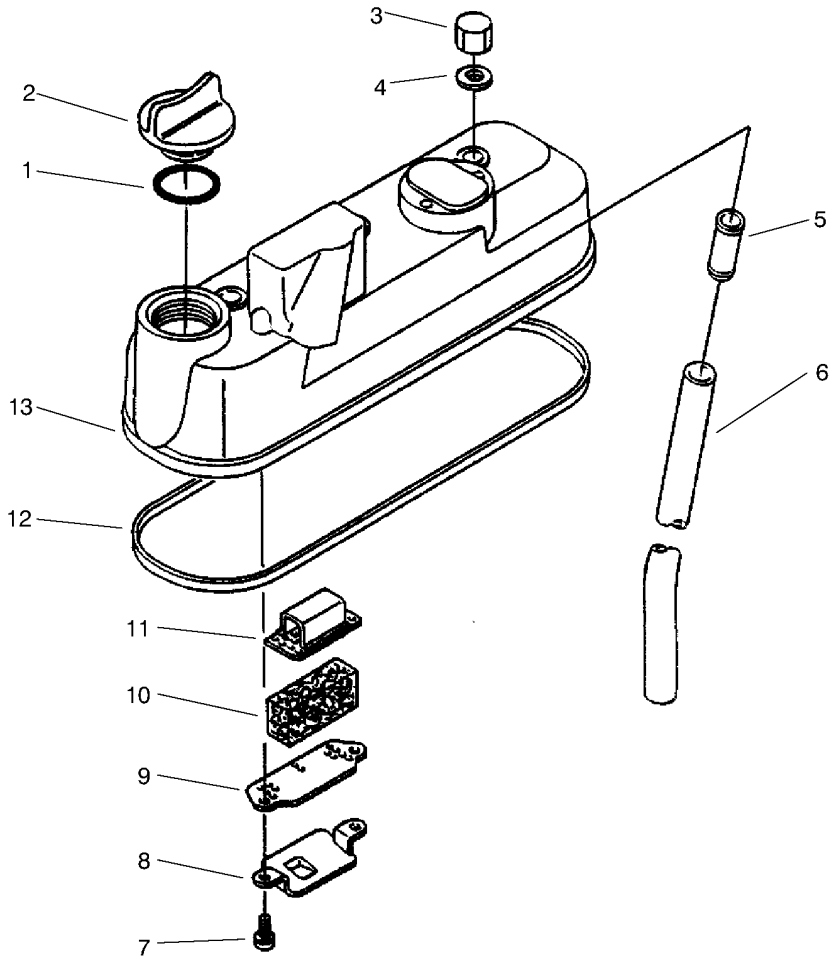

# Cylinder Head Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-7585 | 2 | Bolt |
| 2 | 98-9477 | 1 | Hook-Engine |
| 3 | 98-9460 | 1 | Asm-Cylinder Head (Incl. Ref. #5-7, 9 &11) |
| 4 | 98-9479 | 12 | Bolt-Cylinder Head |
| 5 | 98-9499 | 3 | Guide-Inlet Valve |
| 6 | 98-9500 | 3 | Guide-Exhaust Valve |
| 7 | 98-9389 | 2 | Cap-Sealing |
| 8 | 98-9478 | 1 | Hook-Engine |
| 9 | 98-9395 | 1 | *obs* Cap-Sealing |
| 10 | 98-9613 | 1 | Gasket-Cylinder Head |
| 11 | 98-7540 | 2 | Plug |
| 12 | 98-7509 | 1 | O-Ring |
| 13 | 98-9647 | 2 | Bolt-Cylinder Head |



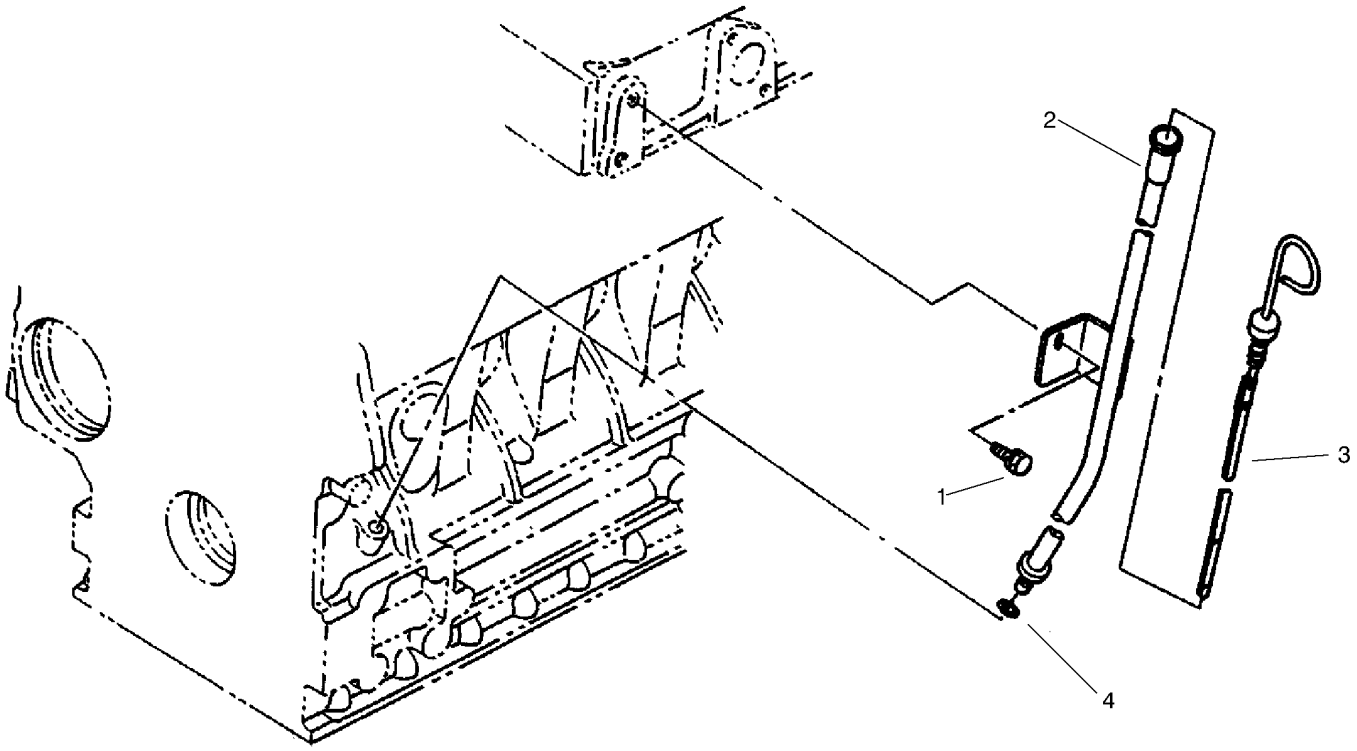

# Gear Case and Oil Filter Assembly

| Ref. | Part Number | 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 | Asm-Case, Gear (Incl. Ref. #7-9, 12-14 & 16-18) |
| 6 | 98-9633 | 1 | Gasket-Gear Case |
| 7 | 98-9592 | 5 | Screw |
| 8 | 98-9541 | 1 | Cover-Oil Pump |
| 9 | 98-9540 | 1 | Asm-Rotor, Oil Pump |
| 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 | Asm-Cartridge, Oil |
| 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 |
| 24 | 98-7496 | 3 | Bolt |
| 25 | 99-3515 | 1 | Plug-Gear Case |
| 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-Oil Filler |




# Head Cover Assembly

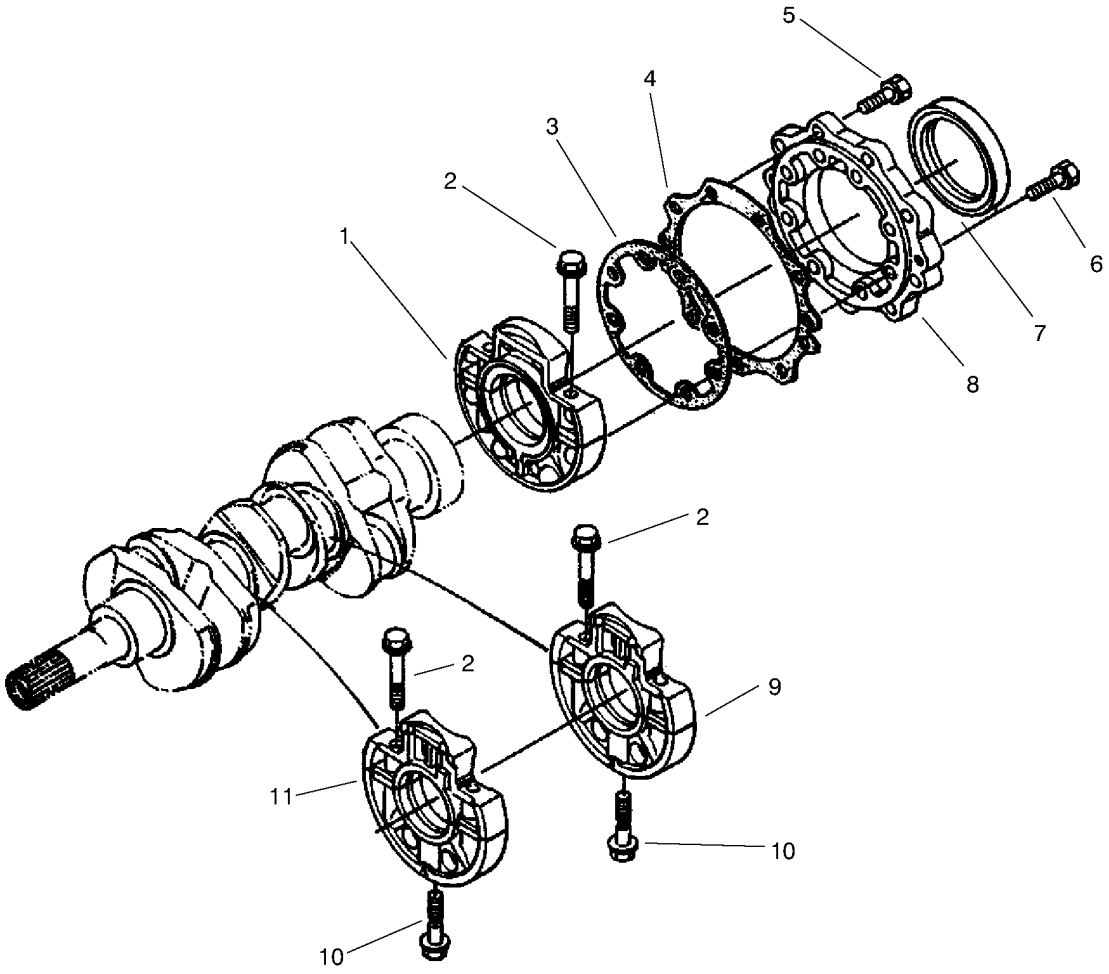
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-7430 | 1 | O-Ring |
| 2 | 98-9449 | 1 | Plug-Oil Filler |
| 3 | 98-9455 | 3 | Nut-Cap |
| 4 | 98-9454 | 3 | Gasket |
| 5 | 98-9492 | 1 | Joint-Breather Pipe |
| 6 | 98-9491 | 1 | Pipe-Breather |
| 7 | 98-9364 | 2 | Screw W/Washer |
| 8 | 98-9490 | 1 | Oil Shield-Breather |
| 9 | 98-9488 | 1 | Plate-Breather Element |
| 10 | 98-9493 | 1 | Element-Breather |
| 11 | 98-9489 | 1 | Plate-Breather Element |
| 12 | 98-9615 | 1 | Gasket-Head Cover |
| 13 | 98-9614 | 1 | Asm-Cover, Cylinder Head (Incl. Ref. #5 & 7-12) |




# Dipstick and Guide Assembly

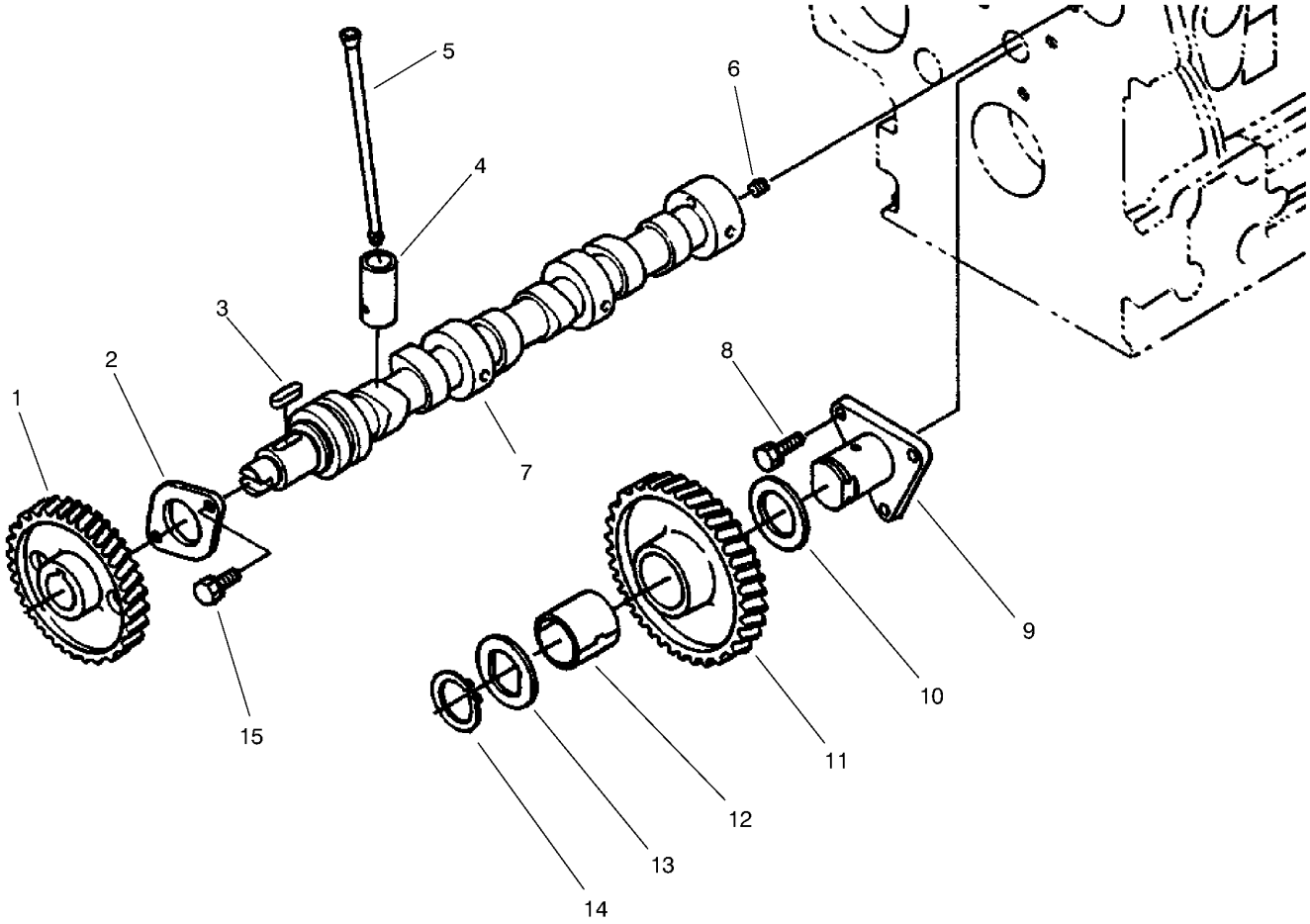
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-7585 | 1 | Bolt |
| 2 | 98-9671 | 1 | Guide-Oil Gauge |
| 3 | 98-9670 | 1 | Gauge-Oil |
| 4 | 98-9374 | 1 | *obs* O-Ring |
| * | 98-9672 | 1 | Asm-Guide, Oil Gauge (Incl. Ref. #2 & 4) ● |

● * Not Illustrated



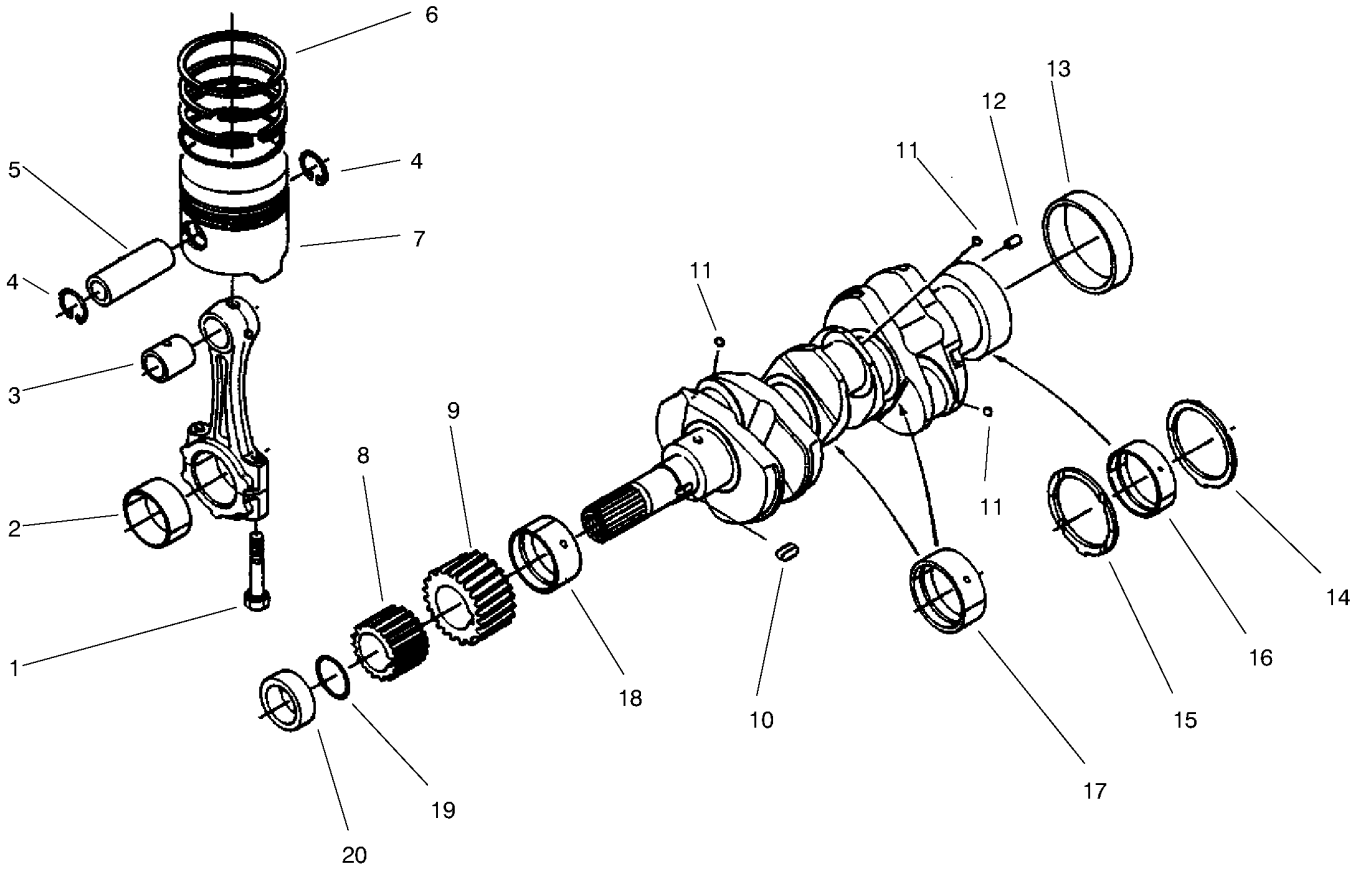

# Main Bearing Case Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 99-8345 | 1 | Asm-Case, Main Bearing |
| 2 | 98-9484 | 6 | Bolt-Bearing Case |
| 3 | 98-9634 | 1 | Gasket-Bearing Case |
| 4 | 98-9635 | 1 | Gasket-Bearing Case Cover |
| 5 | 98-7568 | 9 | Bolt |
| 6 | 98-9352 | 8 | Bolt |
| 7 | 98-9483 | 1 | Seal-Oil |
| 8 | 98-9487 | 1 | Cover-Bearing Case |
| 9 | 98-9607 | 1 | Asm-Case, Main Bearing (Incl. Ref. #2 & 10) |
| 10 | 98-9485 | 2 | Bolt-Bearing Case |
| 11 | 98-9606 | 1 | Asm-Case, Main Bearing (Incl. Ref. #2 &10) |




# Camshaft Assembly

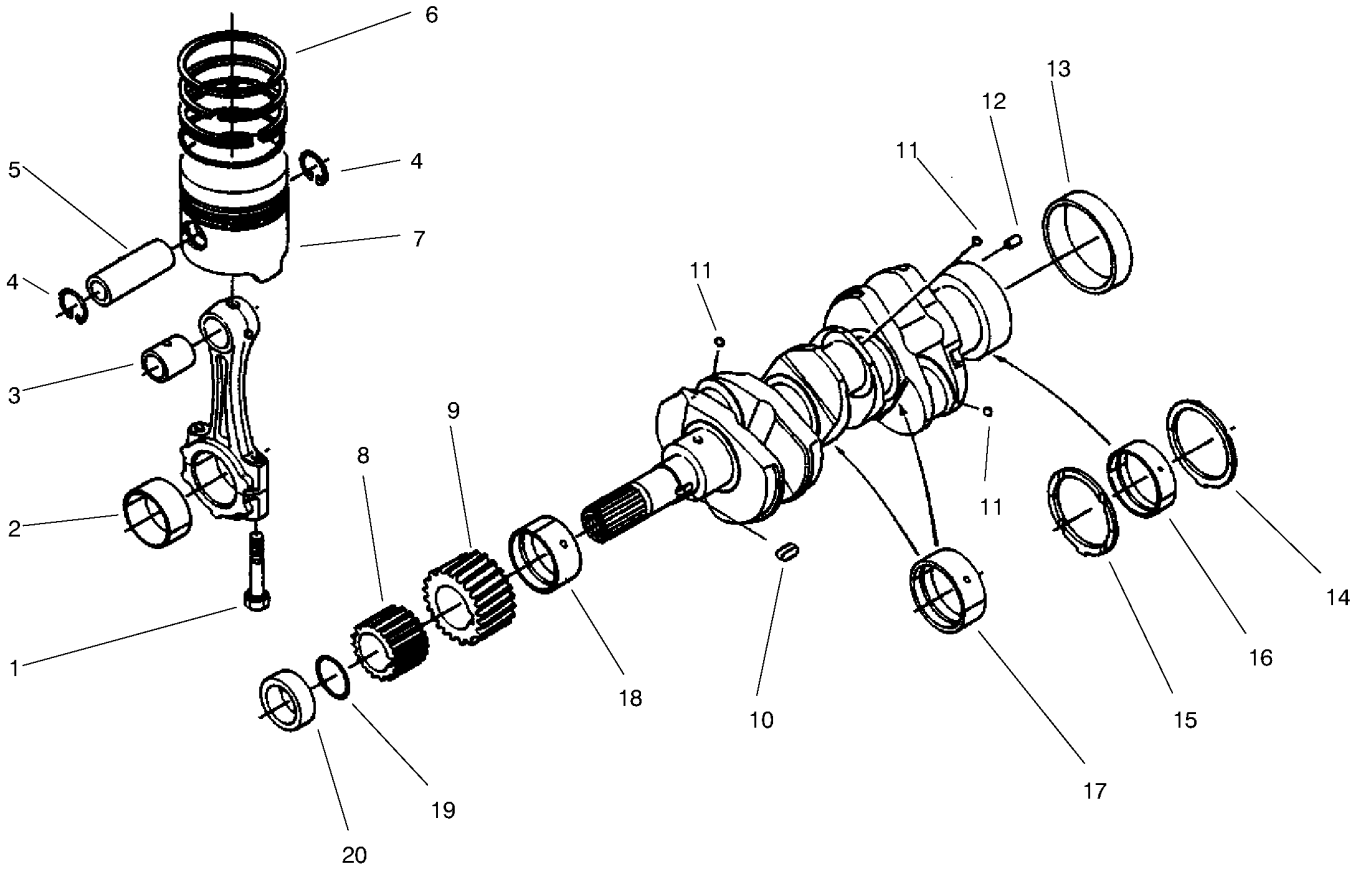
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9512 | 1 | Gear-Cam |
| 2 | 98-9510 | 1 | Stopper-Camshaft |
| 3 | 98-9378 | 1 | Key-Feather |
| 4 | 98-9616 | 6 | Tappet |
| 5 | 98-9509 | 6 | Push Rod |
| 6 | 98-7449 | 1 | Screw-Set |
| 7 | 98-9617 | 1 | Asm-Camshaft (Incl. Ref. #1-3, 6 & 15) |
| 8 | 98-7692 | 3 | Bolt |
| 9 | 98-9533 | 1 | Shaft-Gear, Idle |
| 10 | 98-9535 | 1 | Collar-Gear, Idle |
| 11 | 98-9649 | 1 | Asm-Gear, Idle (Incl. Ref. #8-14) |
| 12 | 98-9650 | 1 | Bushing-Gear, Idle |
| 13 | 98-9536 | 1 | Collar-Gear, Idle |
| 14 | 98-9534 | 1 | Circlip-Gear, Idle |
| 15 | 98-9351 | 2 | Bolt |




# Piston and Crankshaft Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 98-9517 | 6 | Bolt-Connecting Rod |
| 2 | 98-9518 | 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 | Circlip-Pin, Piston |
| 5 | 98-9513 | 3 | Pin-Piston |
| 6 | 98-9618 | 3 | Asm-Piston Ring (Std.) |
| 6 | 98-9619 | 3 | Asm-Piston Ring (0.5Mm Oversize) |
| 7 | 98-9469 | 3 | Piston (Std.) |
| 7 | 98-9470 | 3 | Piston (0.5Mm Oversize) |
| 8 | 98-9542 | 1 | Gear-Oil Pump Drive |
| 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) |
| 16 | 98-9525 | 1 | Metal-Crankshaft (Std) |
| 16 | 98-9526 | 1 | Metal-Crankshaft (0.2Mm Undersize) |
| 16 | 98-9527 | 1 | Metal-Crankshaft (0.4Mm Undersize) |
| 17 | 98-9524 | 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 | 98-9523 | 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 |

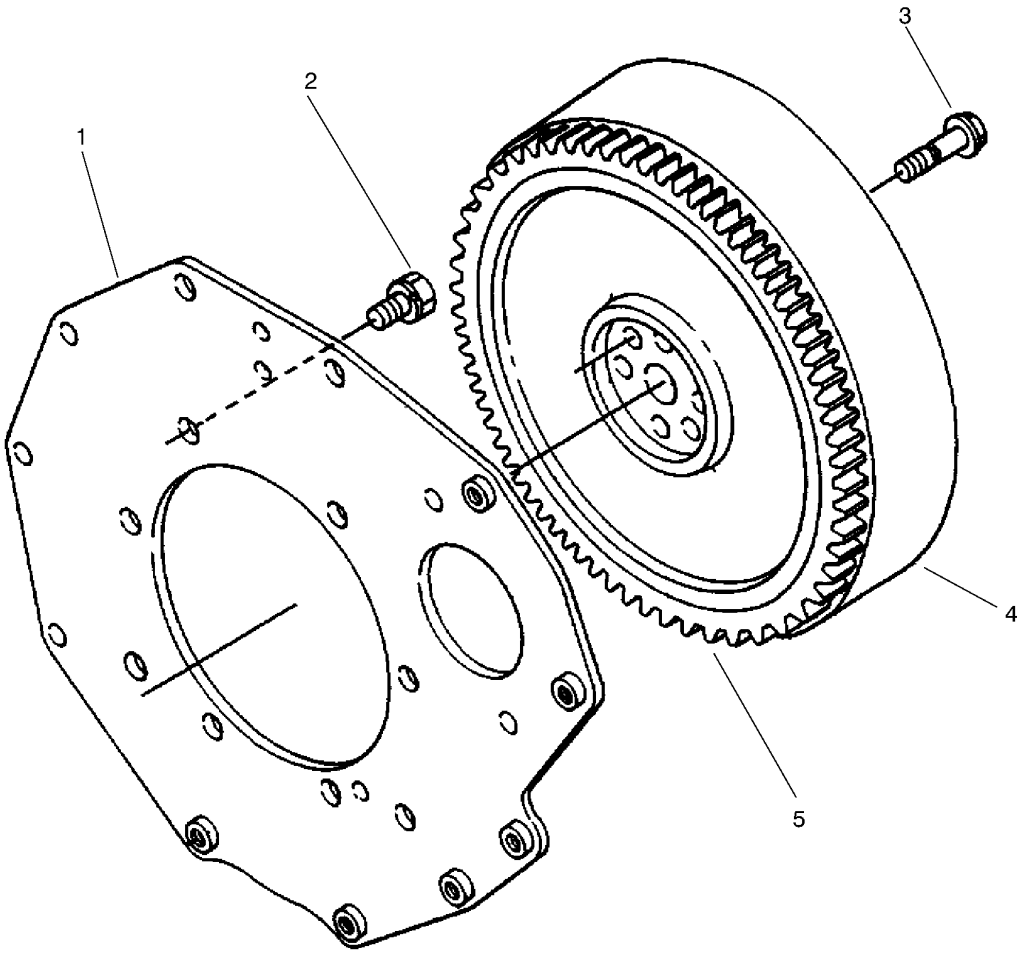
● * Not Illustrated




# Piston and Crankshaft Assembly (continued)

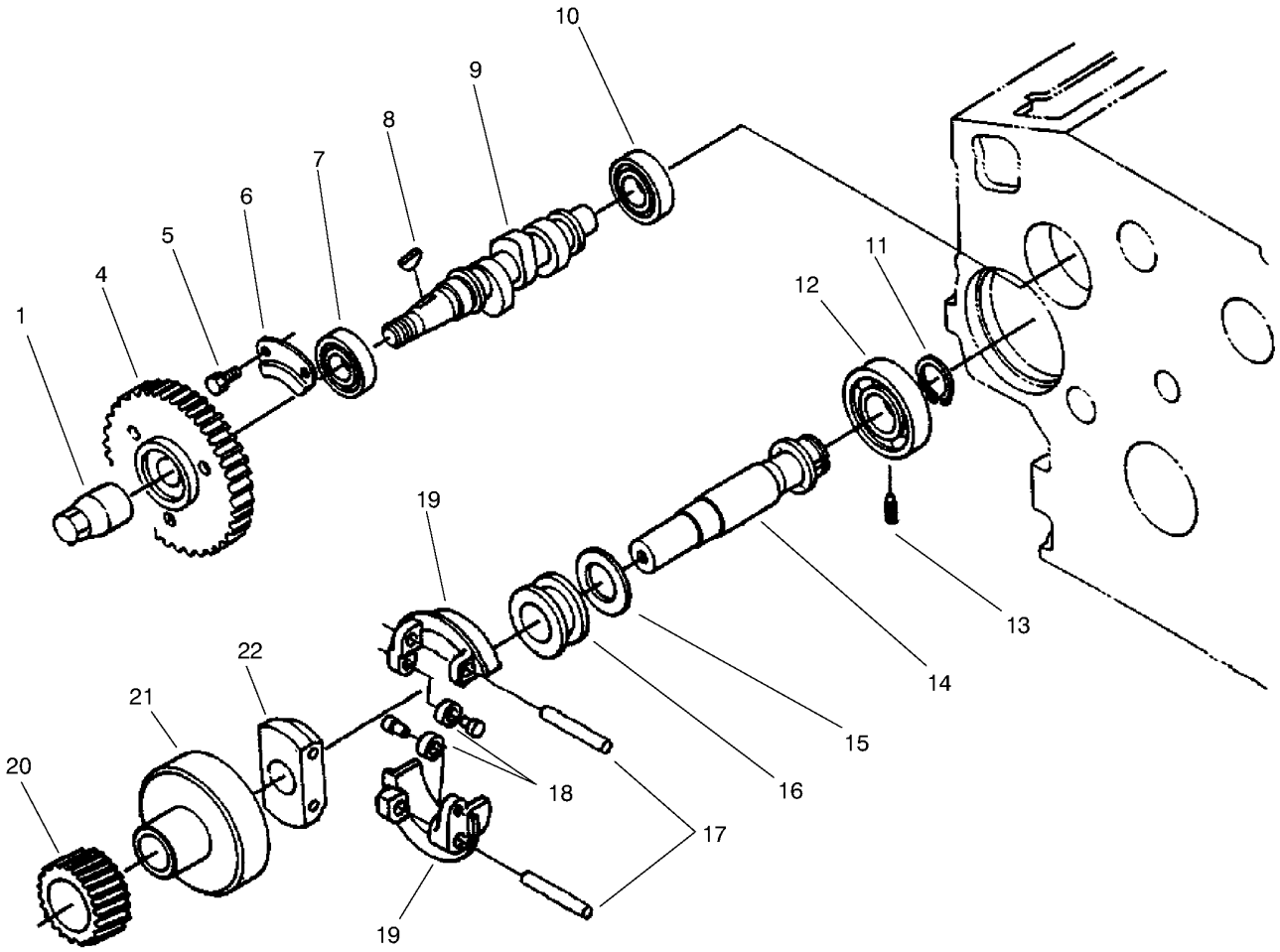
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| * | 98-9516 | 3 | Asm-Rod, Connecting (Incl. Ref. #1-3) ● |
| * | 98-9642 | 1 | Asm-Crankshaft (Incl. Ref. #8-13) ● |

● * Not Illustrated



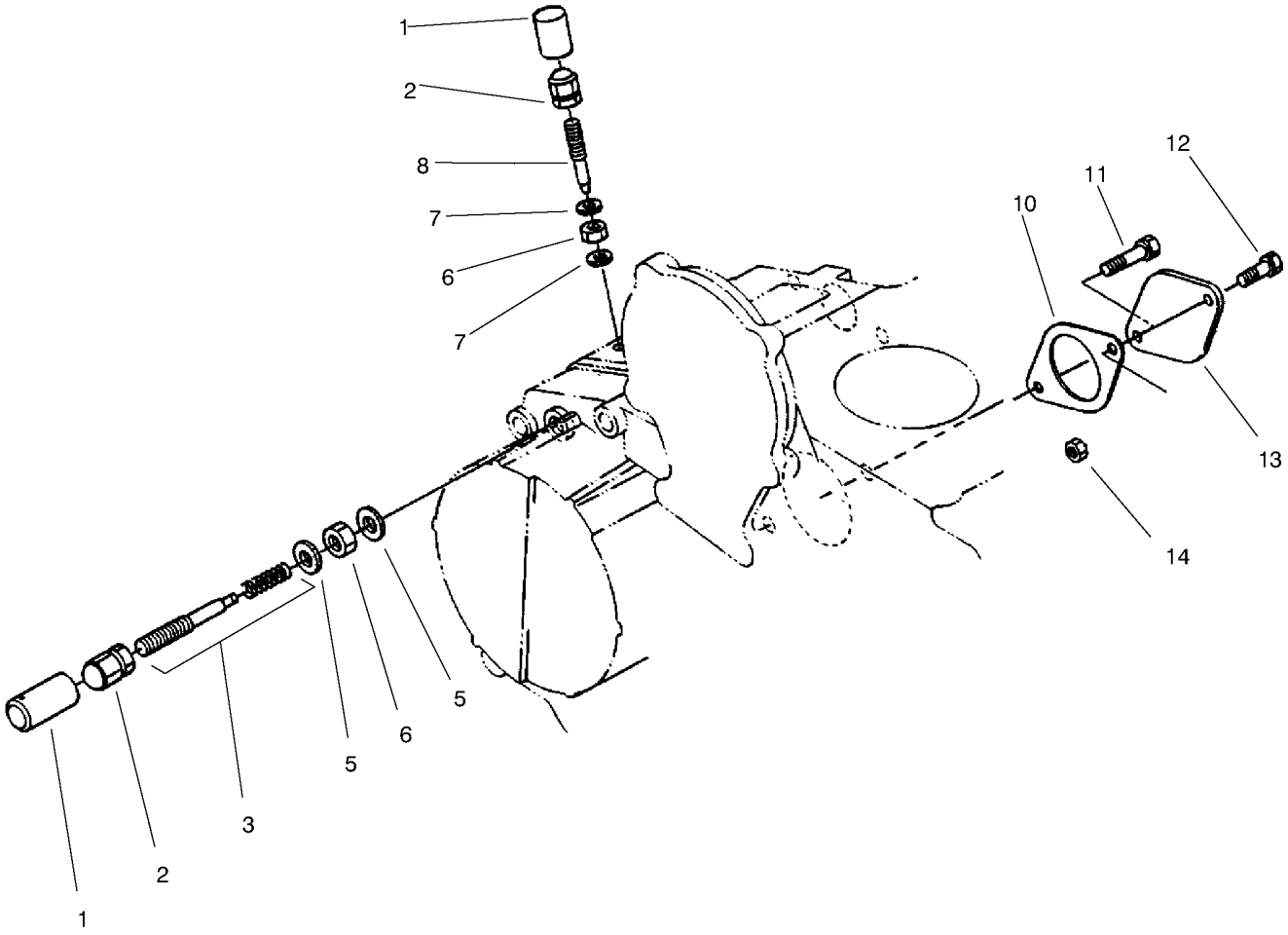

# Flywheel Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9486 | 1 | Plate-End, Rear |
| 2 | 98-9392 | 8 | Bolt |
| 3 | 98-9537 | 6 | Bolt-Flywheel |
| 4 | 98-9691 | 1 | Asm-Flywheel (Incl. Ref. #5) |
| 5 | 98-9394 | 1 | Gear-Ring |



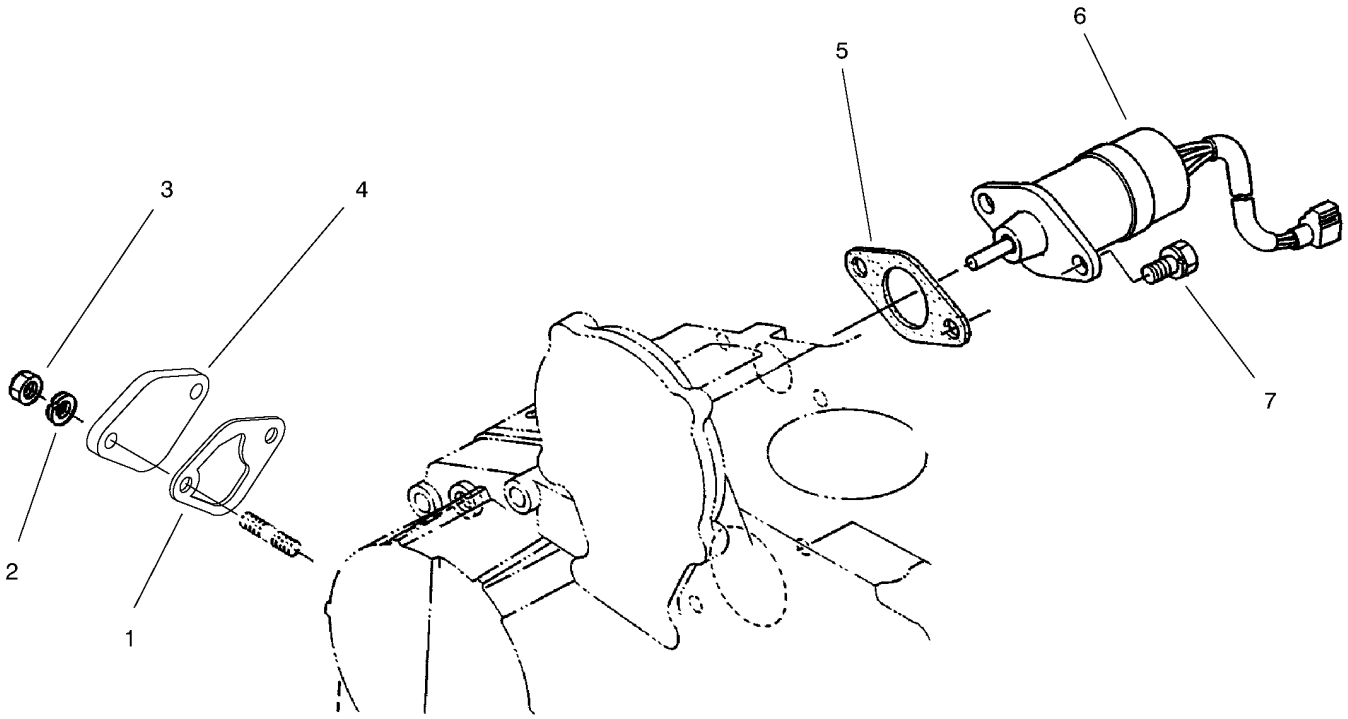

# Fuel Camshaft Assembly

| *Ref.* | *Part Number* | *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 | Asm-Shaft, Governor (Incl. Ref. #12 & 14-22) |
| 15 | 98-9564 | 1 | Washer-Thrust |
| 16 | 98-9563 | 1 | Sleeve-Governor |
| 17 | 98-9560 | 2 | Shaft-Governor Weight |
| 18 | 98-9692 | 2 | Roller |
| 19 | 98-9559 | 2 | Asm-Weight, Governor |
| 20 | 98-9673 | 1 | Gear-Governor |
| 21 | 98-9562 | 1 | Holder-Gear, Governor |
| 22 | 98-9561 | 1 | Holder-Gear, Governor |



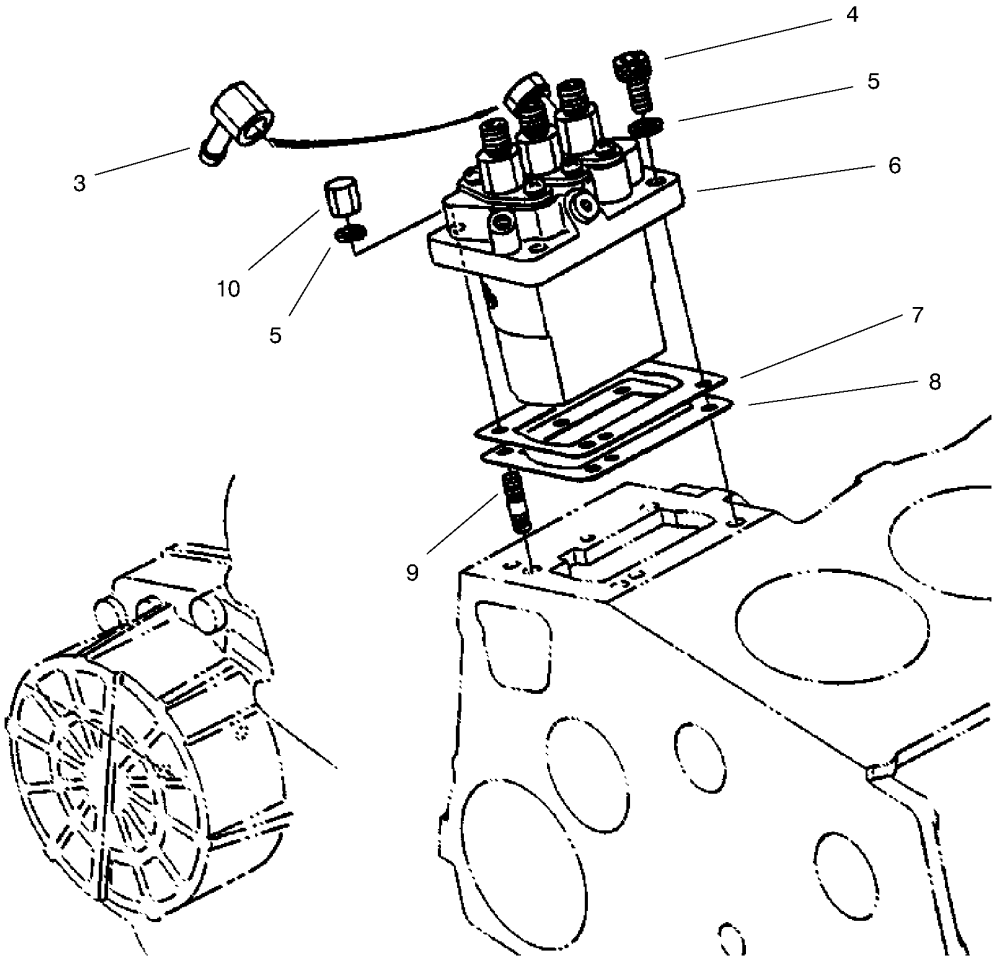

# Engine Stop Lever Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 99-3465 | 2 | Cap |
| 2 | 98-9441 | 2 | Nut-Cap |
| 3 | 99-3458 | 1 | Asm-Bolt, Adjusting |
| 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 |



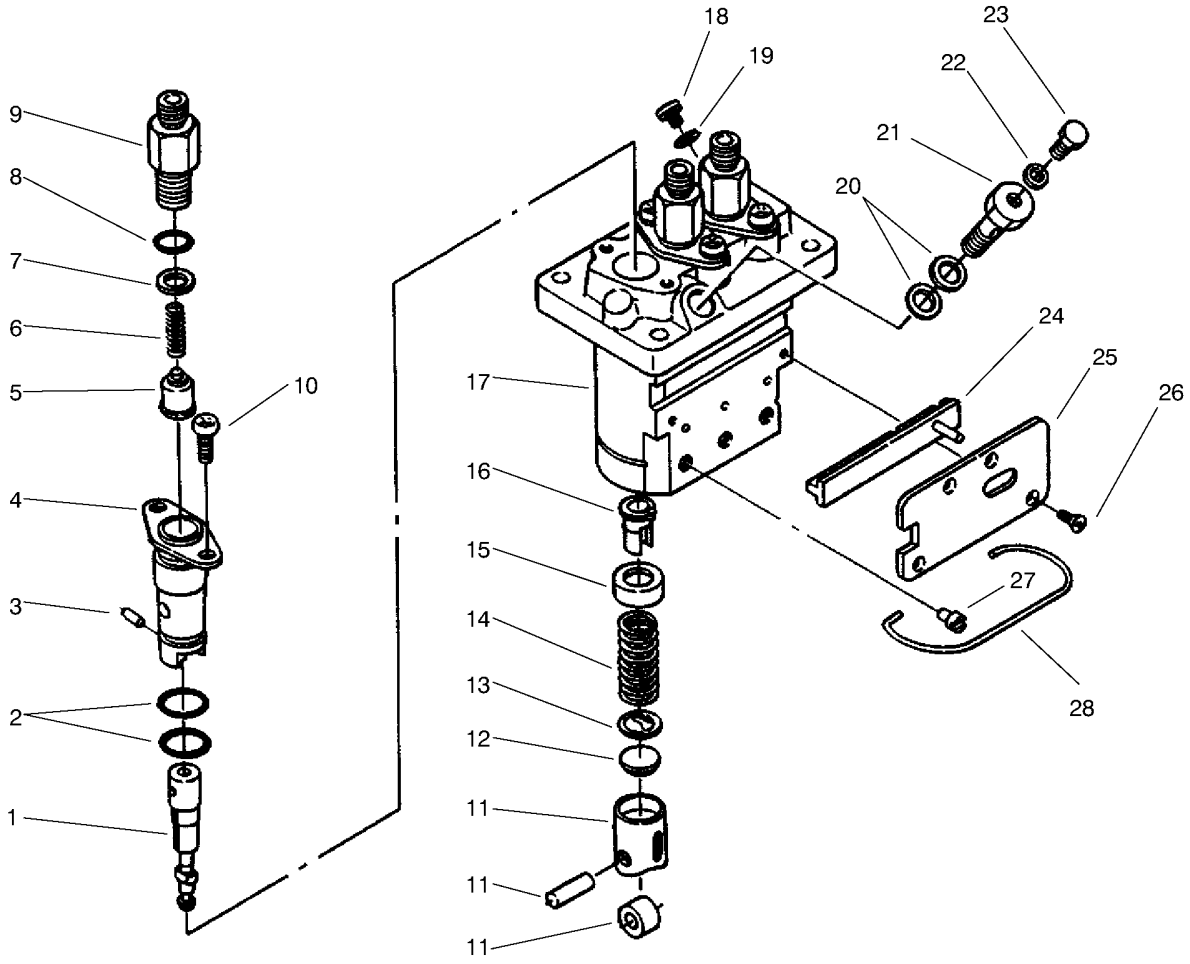

# Stop Solenoid and Fuel Pump Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9636 | 1 | Gasket-Fuel Pump |
| 2 | 98-9367 | 2 | Washer-Lock |
| 3 | 98-7572 | 2 | Nut |
| 4 | 99-3514 | 1 | Cover |
| 5 | 98-9683 | 1 | Gasket-Solenoid Cover |
| 6 | 98-9693 | 1 | Solenoid-Stop |
| 7 | 98-9351 | 2 | Bolt |




# Injection Pump Assembly

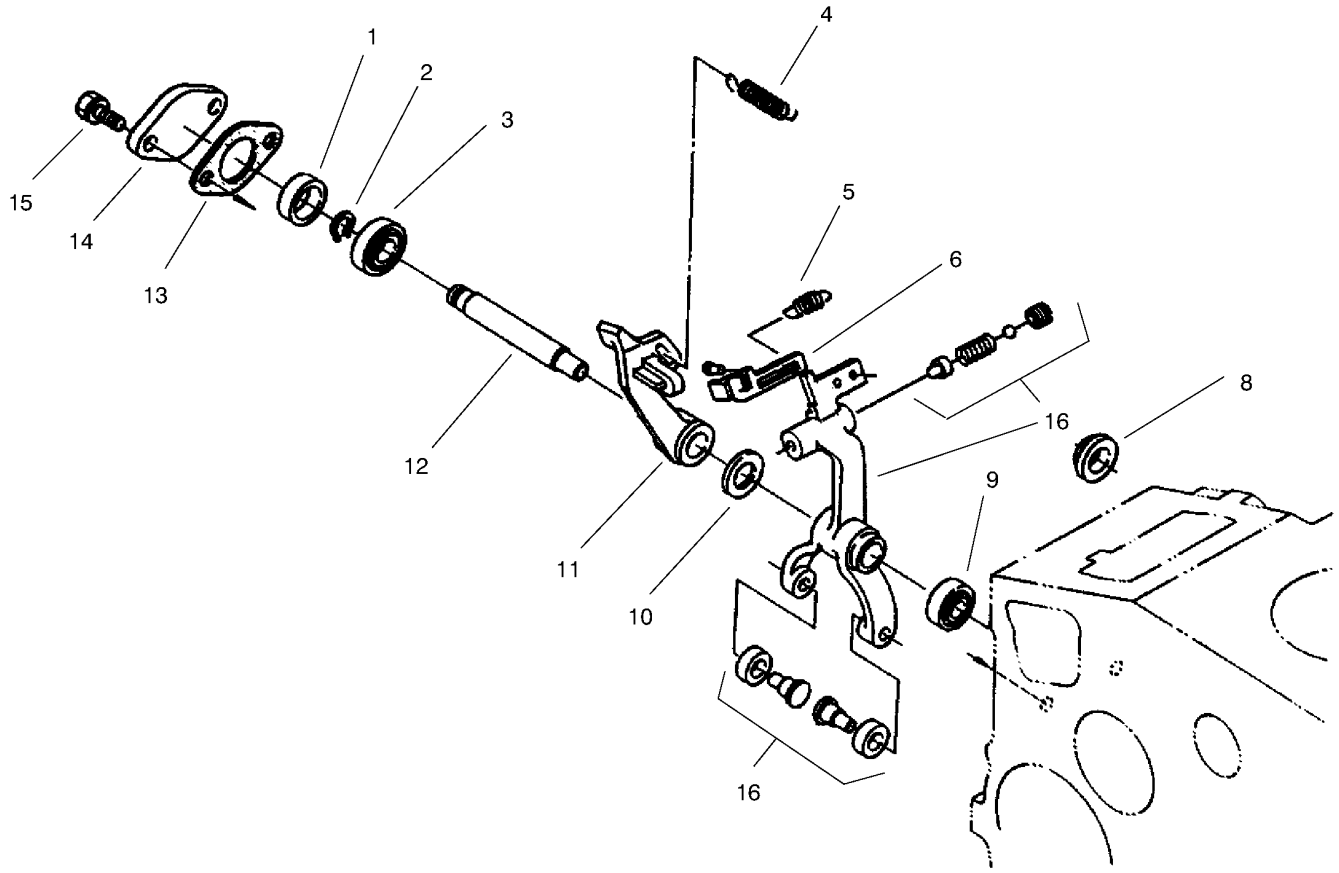
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 3 | 98-9596 | 1 | Joint-Eye |
| 4 | 98-9361 | 2 | Bolt |
| 5 | 98-9367 | 4 | Washer-Lock |
| 6 | 98-9643 | 1 | Asm-Pump, Injection |
| 7 | 98-9456 | 1 | Shim-Injection (0.2Mm) |
| 7 | 98-9457 | 1 | Shim-Injection (0.25Mm) |
| 8 | 98-9458 | 1 | Shim-Injection (0.30Mm) |
| 9 | 98-9438 | 2 | Stud |
| 10 | 98-9440 | 2 | Nut-Cap |




# Injection Pump Assembly

| *Ref.* | *Part Number* | *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 | Asm-Tappet |
| 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 |

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 16 | 98-9432 | 3 | Sleeve-Control |
| 17 | 98-9643 | 1 | Asm-Pump, Injection (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 |
| 24 | 98-9463 | 1 | Rack-Control |
| 25 | 98-9465 | 1 | Plate |
| 26 | 98-9442 | 4 | Screw-Countersunk Hd. |
| 27 | 98-9426 | 3 | Pin-Guide, Tappet |
| 28 | 98-9450 | 1 | Pin-Clamp |

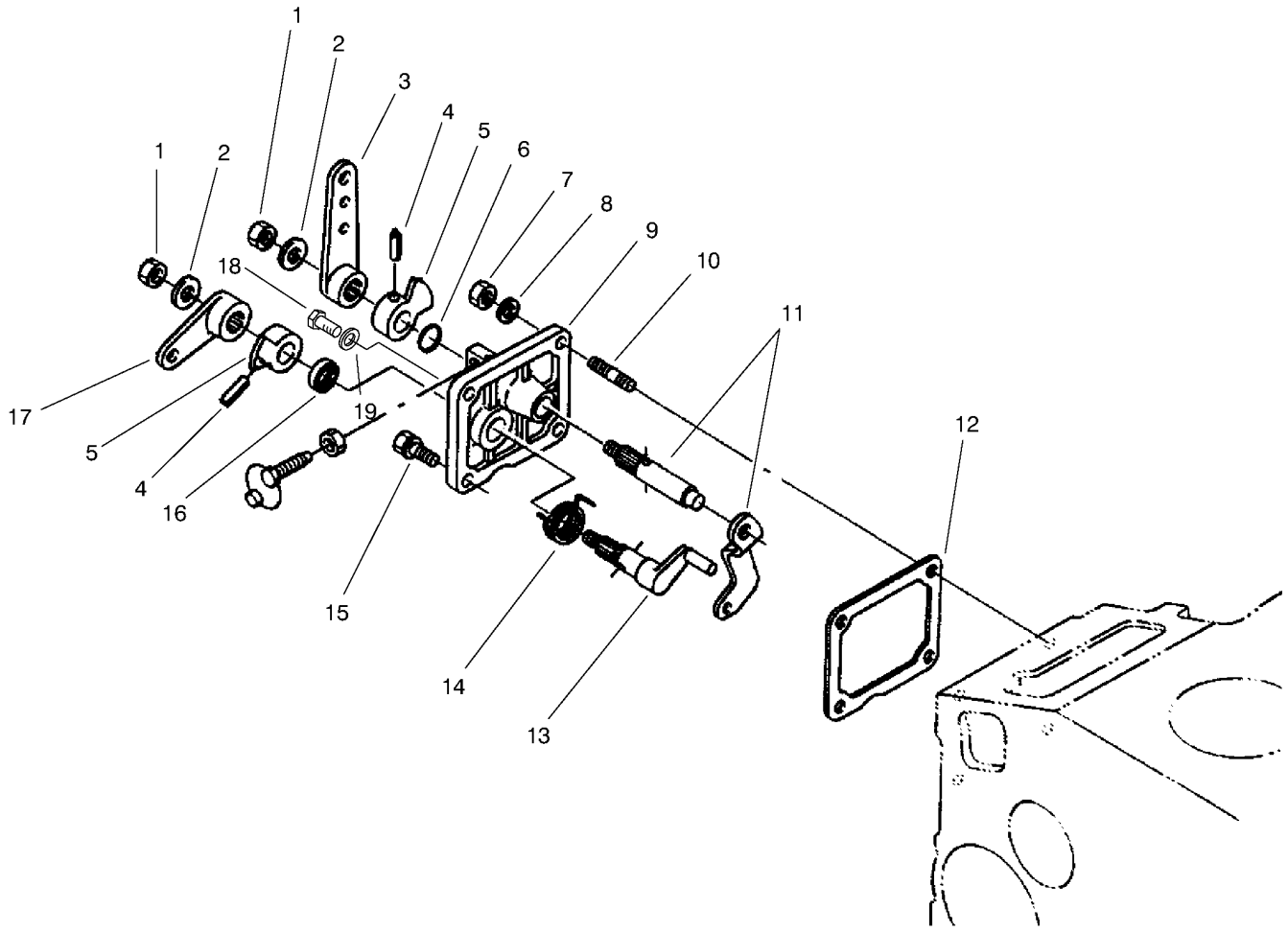



# Governor Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9567 | 1 | Collar |
| 2 | 98-9369 | 1 | Clip-Circular, External |
| 3 | 98-9570 | 1 | Bearing-Miniature |
| 4 | 99-3459 | 1 | Spring-Governor |
| 5 | 98-9645 | 1 | Spring-Start |
| 6 | | 1 | Lever-Thrust ● |
| 8 | 98-9568 | 1 | Collar |
| 9 | 98-9571 | 1 | Bearing-Miniature |
| 10 | 98-9593 | 1 | Washer-Flat |
| 11 | 98-9659 | 1 | Lever-Fork |
| 12 | 98-9566 | 1 | Shaft-Lever, Fork |
| 13 | 98-9682 | 1 | Gasket |
| 14 | 98-9569 | 1 | Cover-Shaft, Fork Lever |
| 15 | 98-9351 | 2 | Bolt |
| 16 | | 1 | Complete Lever & Fork |
| * | 99-3452 | 1 | Asm-Lever, Fork (Incl. Ref. #2, 3, 6, 10-12 & 16) ■ |

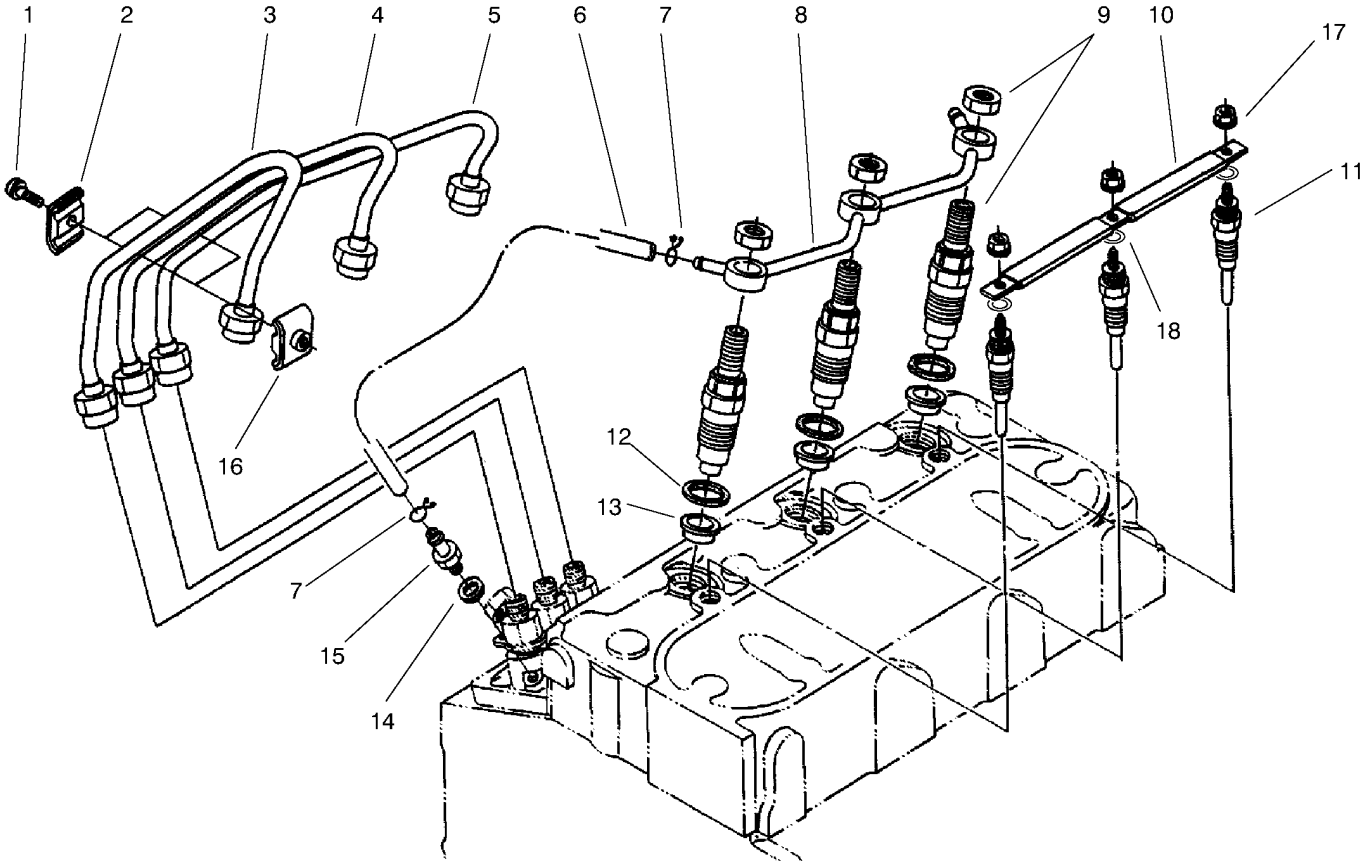
● Not serviced

■ *Not Illustrated



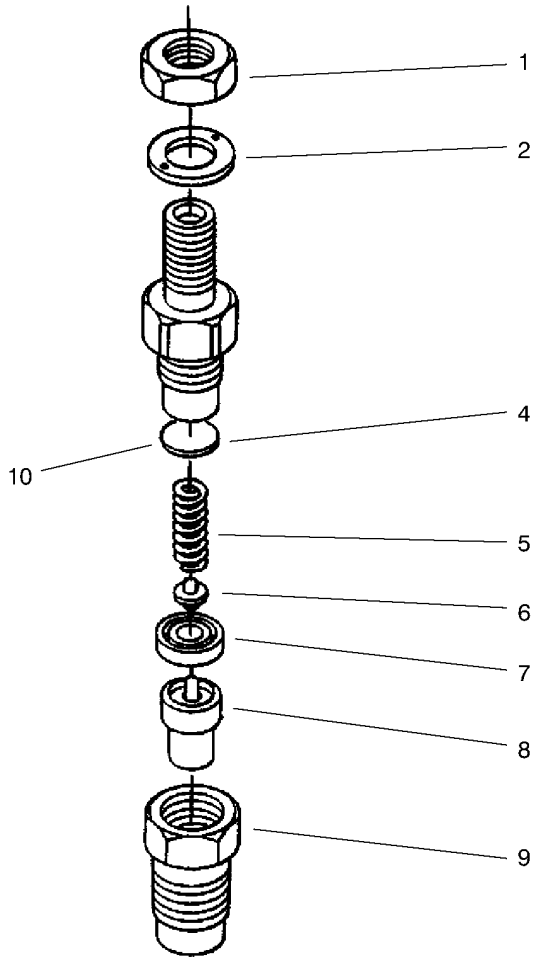

# Speed Control Plate Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9589 | 2 | Nut |
| 2 | 98-9594 | 2 | Washer-Flat |
| 3 | 98-9662 | 1 | Lever-Speed Control |
| 4 | 98-7602 | 2 | Pin-Spring |
| 5 | 98-9572 | 2 | Lever-Speed Control |
| 6 | 98-9371 | 1 | O-Ring |
| 7 | 98-7572 | 2 | Nut |
| 8 | 98-9367 | 2 | Washer-Lock |
| 9 | 98-9661 | 0 | Asm-Plate, Control (Incl. Ref. #1-6, 11, 13, 14, 1 |
| 10 | 98-9362 | 2 | Stud |
| 11 | 98-9658 | 1 | Asm-Lever, Governor |
| 12 | 98-9637 | 1 | Gasket |
| 13 | 98-9664 | 1 | Shaft-Stop Lever |
| 14 | 98-9472 | 1 | Spring-Return |
| 15 | 98-7692 | 1 | Bolt |
| 16 | 98-7601 | 1 | Seal-Oil |
| 17 | 98-9663 | 1 | Lever-Engine Stop |
| 18 | 99-8348 | 1 | Bolt |
| 19 | 98-7654 | 1 | Gasket |




# Nozzle Holder and Glow Plug Assembly

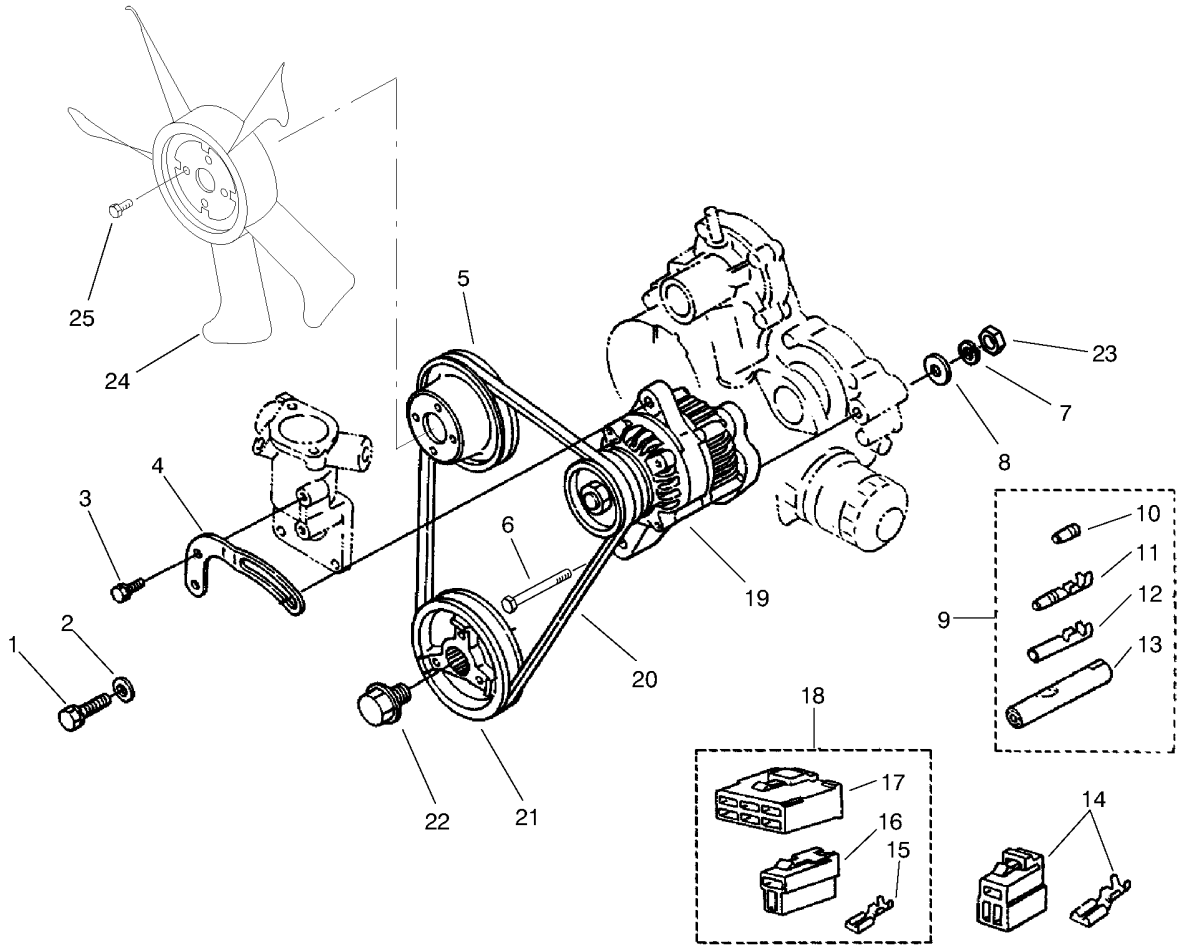
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-7684 | 2 | Screw (W/Washer) |
| 2 | 98-7683 | 2 | Clamp-Pipe |
| 3 | 99-3460 | 1 | Pipe-Injection |
| 4 | 98-9654 | 1 | Pipe-Injection |
| 5 | 98-9655 | 1 | Pipe-Injection |
| 6 | 98-9420 | 1 | Overflow Pipe ASM (Incl. Ref. No. 7) |
| 7 | 98-7671 | 2 | Clip-Pipe |
| 8 | 98-9620 | 1 | Overflow Pipe ASM |
| 9 | 98-9468 | 3 | Nozzle Holder ASM |
| 10 | 98-9631 | 1 | Cord-Plug, Glow |
| 11 | 100-1854 | 3 | Plug-Glow |
| 12 | 98-7676 | 3 | Gasket |
| 13 | 98-9694 | 3 | Seat-Heat |
| 14 | 98-7654 | 1 | Gasket |
| 15 | 98-9431 | 1 | Screw-Bleeder, Air |
| 16 | 98-7682 | 2 | Clamp-Pipe |
| 17 | 99-8377 | 3 | Nut-Flange |
| 18 | 99-8378 | 3 | Washer-Plain |




# Nozzle Holder Assembly

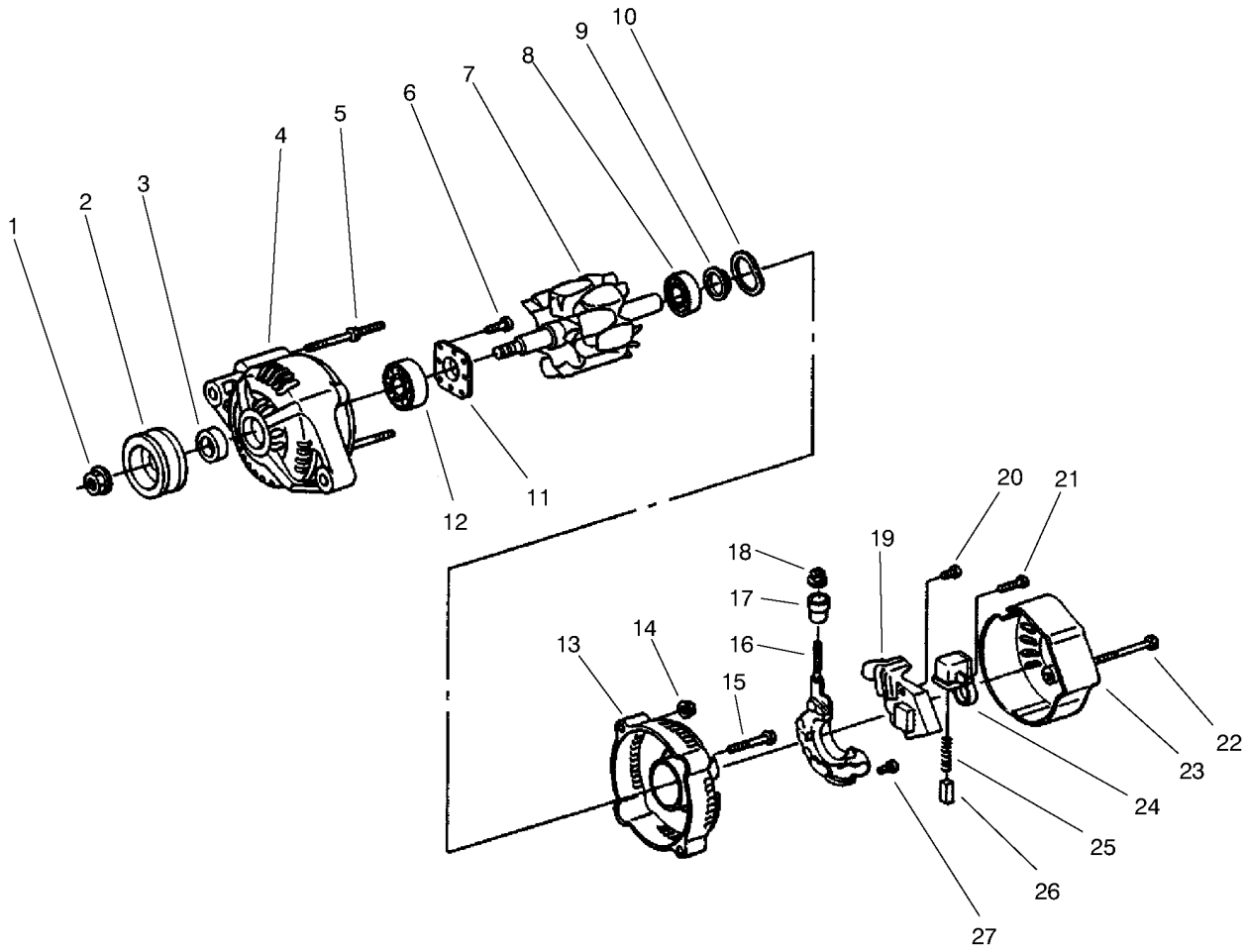
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 99-8301 | 3 | Nut |
| 2 | 99-8307 | 3 | Washer |
| 4 | 99-8302 | 3 | Washer-Adjusting |
| 5 | 99-8303 | 3 | Spring-Nozzle |
| 6 | 99-8305 | 3 | Push Rod |
| 7 | 99-8304 | 3 | Piece-Distance |
| 8 | 99-8308 | 3 | Piece-Nozzle |
| 9 | 99-8306 | 3 | Nut-Nozzle |
| 10 | 99-8309 | 3 | Asm-Washer, Adjusting |
| * | 99-8310 | 3 | Washer-Adj. (0.10Mm) ● |
| * | 99-8311 | 3 | Washer-Adj. (0.20Mm) ● |
| 10 | 99-8312 | 3 | Washer-Adj. (0.30Mm) |
| * | 99-8313 | 3 | Washer-Adj. (0.40Mm) ● |
| * | 99-8314 | 3 | Washer-Adj. (0.50Mm) ● |
| * | 99-8315 | 3 | Washer-Adj. (0.52Mm) ● |
| * | 99-8316 | 3 | Washer-Adj. (0.54Mm) ● |
| * | 99-8317 | 3 | Washer-Adj. (0.58Mm) ● |
| * | 99-8318 | 3 | Washer-Adj. (0.80Mm) ● |
| * | 98-9468 | 3 | Asm-Holder, Nozzle (Incl. Ref. #1-9) ● |

● * Not Illustrated




# Alternator and Pulley Assembly

| Ref. | Part Number | 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 | Asm-Terminal (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 | Asm-Coupler, Lock |
| 15 | 98-9699 | 7 | Terminal |
| 16 | 98-9698 | 1 | Connector |
| 17 | 98-9697 | 1 | Connector |
| 18 | 98-9696 | 1 | Asm-Coupler (Incl. Ref. #15-17) |
| 19 | 98-9474 | 1 | Asm-Alternator |
| 20 | 99-3467 | 1 | V-Belt |
| 21 | 99-3456 | 1 | Pulley-Fan Drive |
| 22 | 98-9585 | 1 | Bolt |
| 23 | 98-7737 | 1 | Nut |
| 24 | 99-3461 | 1 | Fan |
| 25 | 33103-012 | 4 | Screw-HHF |

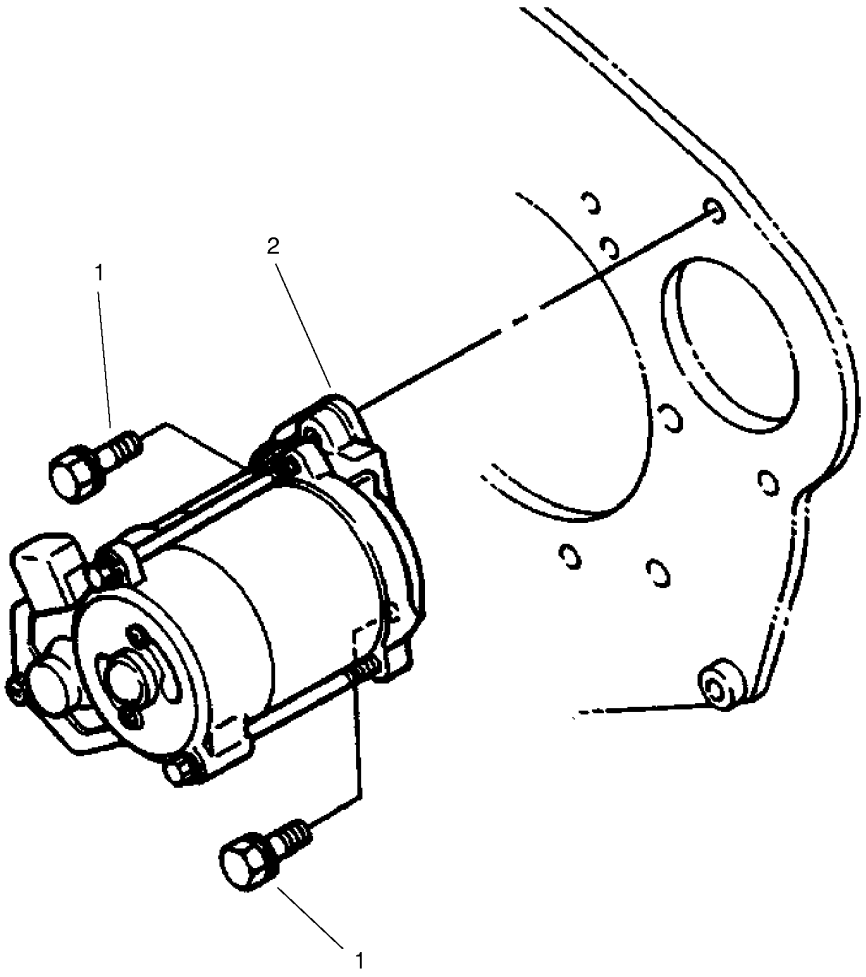



# Alternator Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 98-7708 | 1 | Nut |
| 2 | 98-9453 | 1 | Pulley-Dynamo |
| 3 | 98-7709 | 1 | Collar |
| 4 | 98-7714 | 1 | Frame-Drive End |
| 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 |

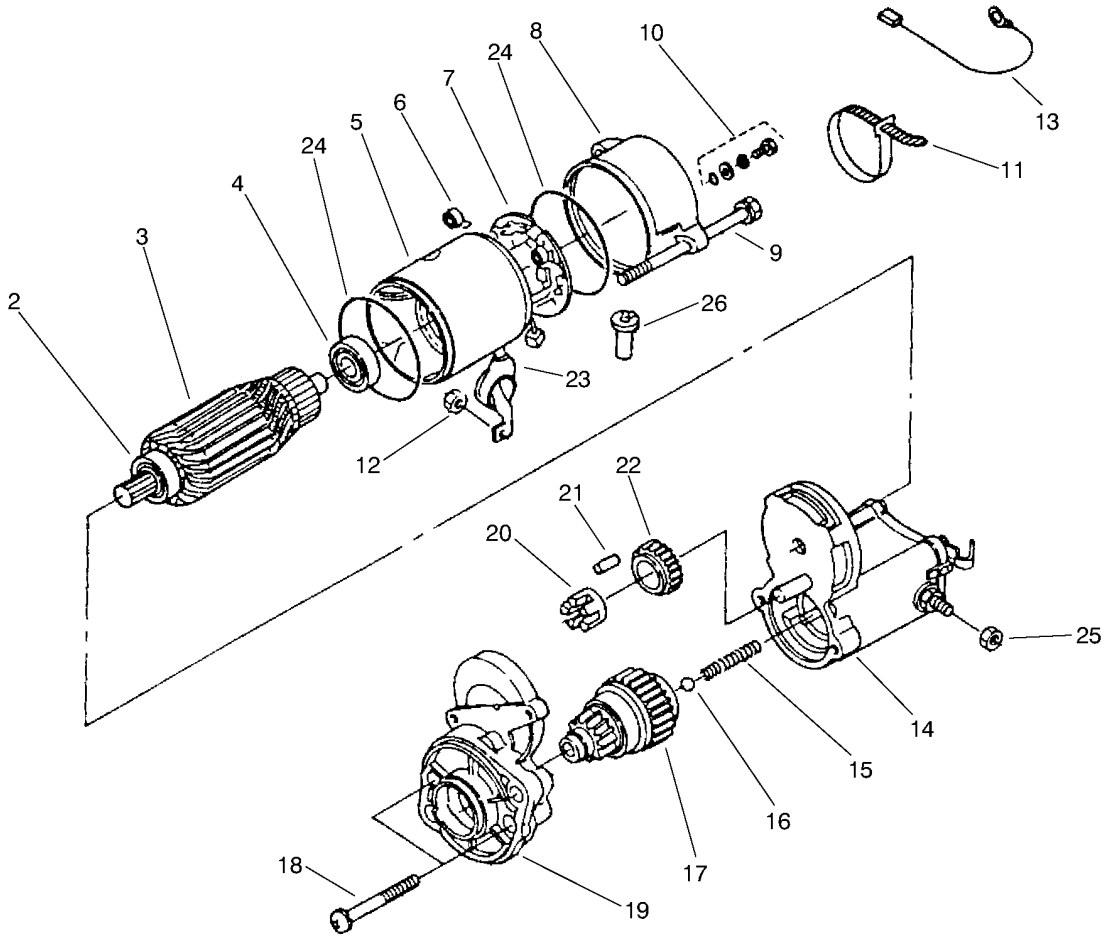
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16 | 98-7721 | 1 | Asm-Rectifier |
| 17 | 98-7722 | 1 | Bushing-Insulation |
| 18 | 98-7732 | 1 | Nut |
| 19 | 98-7733 | 1 | Asm-Regulator |
| 20 | 98-7726 | 2 | Screw-RH |
| 21 | 98-7728 | 1 | Screw-RH |
| 22 | 98-7729 | 3 | Bolt |
| 23 | 98-7720 | 1 | Cover-End |
| 24 | 98-7723 | 1 | Holder-Brush |
| 25 | 98-7725 | 2 | Spring-Brush |
| 26 | 98-7724 | 2 | Brush |
| 27 | 98-7727 | 6 | Screw-RH |
| * | 98-9474 | 1 | Asm-Alternator (Incl. Ref. #1-27) ● |

● * Not Illustrated



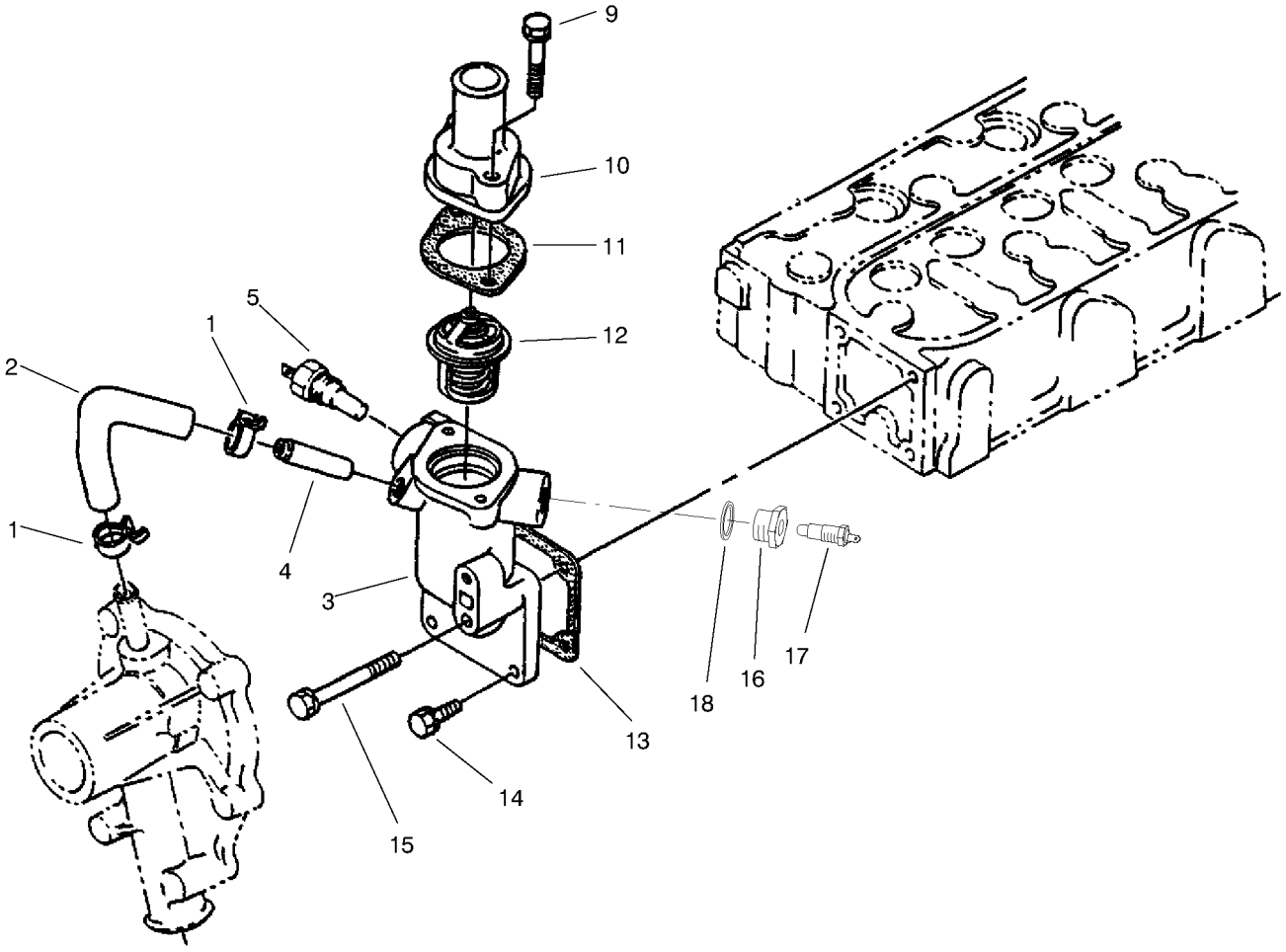

# Starter Mount Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-7697 | 2 | Bolt |
| 2 | 98-9705 | 1 | Starter ASM |



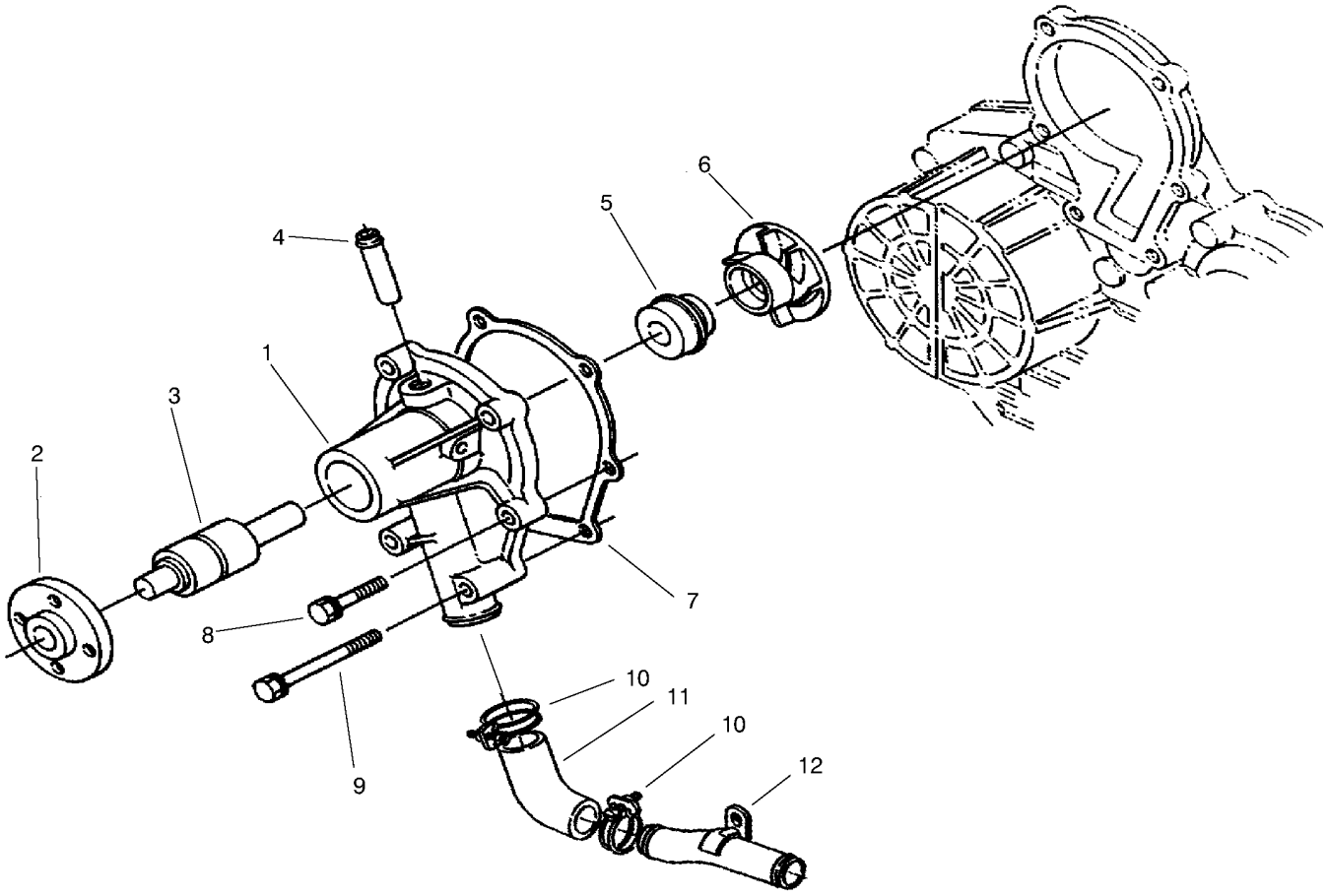

# Starter Assembly No. 98-9705

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 98-7743 | 1 | Bearing-Ball |
| 3 | 98-7742 | 1 | Armature ASM (Incl. Ref. No. 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. No. 6) |
| 8 | 99-8370 | 1 | Frame-End |
| 9 | 98-9549 | 2 | Bolt |
| 10 | 98-7758 | 2 | Bolt ASM |
| 11 | 98-9712 | 1 | Band-Cover |
| 12 | 99-8371 | 1 | Nut-Hex |
| 13 | 98-9711 | 1 | Cord-Solenoid, Stop |
| 14 | 99-8372 | 1 | Magnetic Switch ASM |
| 15 | 98-7754 | 1 | Spring |
| 16 | 98-7755 | 1 | Ball |
| 17 | 99-8373 | 1 | Clutch-Running, Over |
| 18 | 98-7756 | 2 | Bolt |
| 19 | 99-8374 | 1 | Frame-End, Drive |
| 20 | 98-7752 | 1 | Retainer |
| 21 | 98-7753 | 5 | Roller |
| 22 | 98-7751 | 1 | Gear |
| 23 | 99-8375 | 1 | Cover |
| 24 | 98-7757 | 2 | O-Ring |
| 25 | 99-8376 | 1 | Nut-Hex |
| 26 | 98-7759 | 1 | Pipe-Drain |



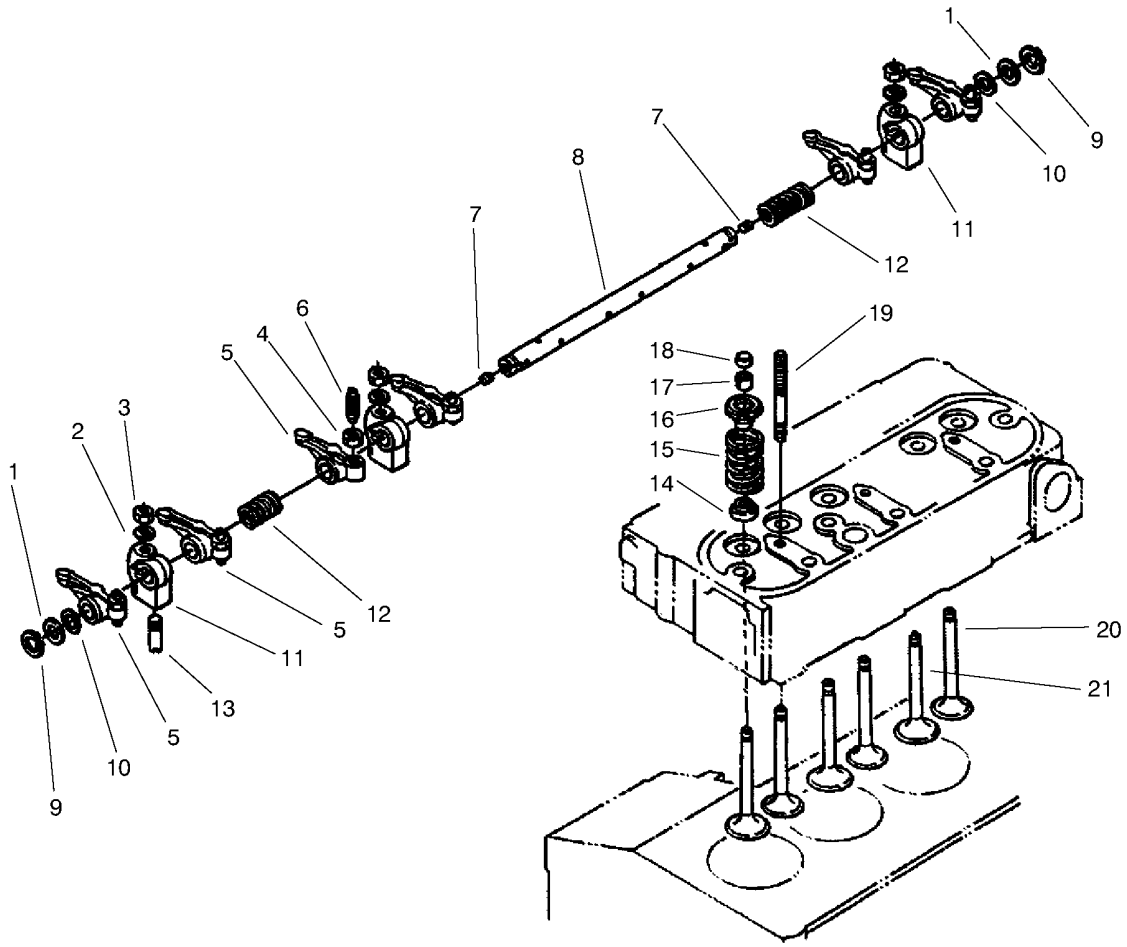

# Water Flange and Thermostat Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 98-9579 | 2 | Band Pipe |
| 2 | 98-9578 | 1 | Pipe-Return, Water |
| 3 | 98-9713 | 1 | Asm-Flange, Water (Incl. Ref. #4) |
| 4 | 98-9580 | 1 | Pipe-Return, Water |
| 5 | 98-9719 | 1 | Thermoswitch |
| 9 | 98-7777 | 2 | Bolt |
| 10 | 98-9471 | 1 | Cover-Thermostat |
| 11 | 98-7776 | 1 | Gasket |
| 12 | 98-7778 | 1 | Asm-Thermostat |
| 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 | Gasket |



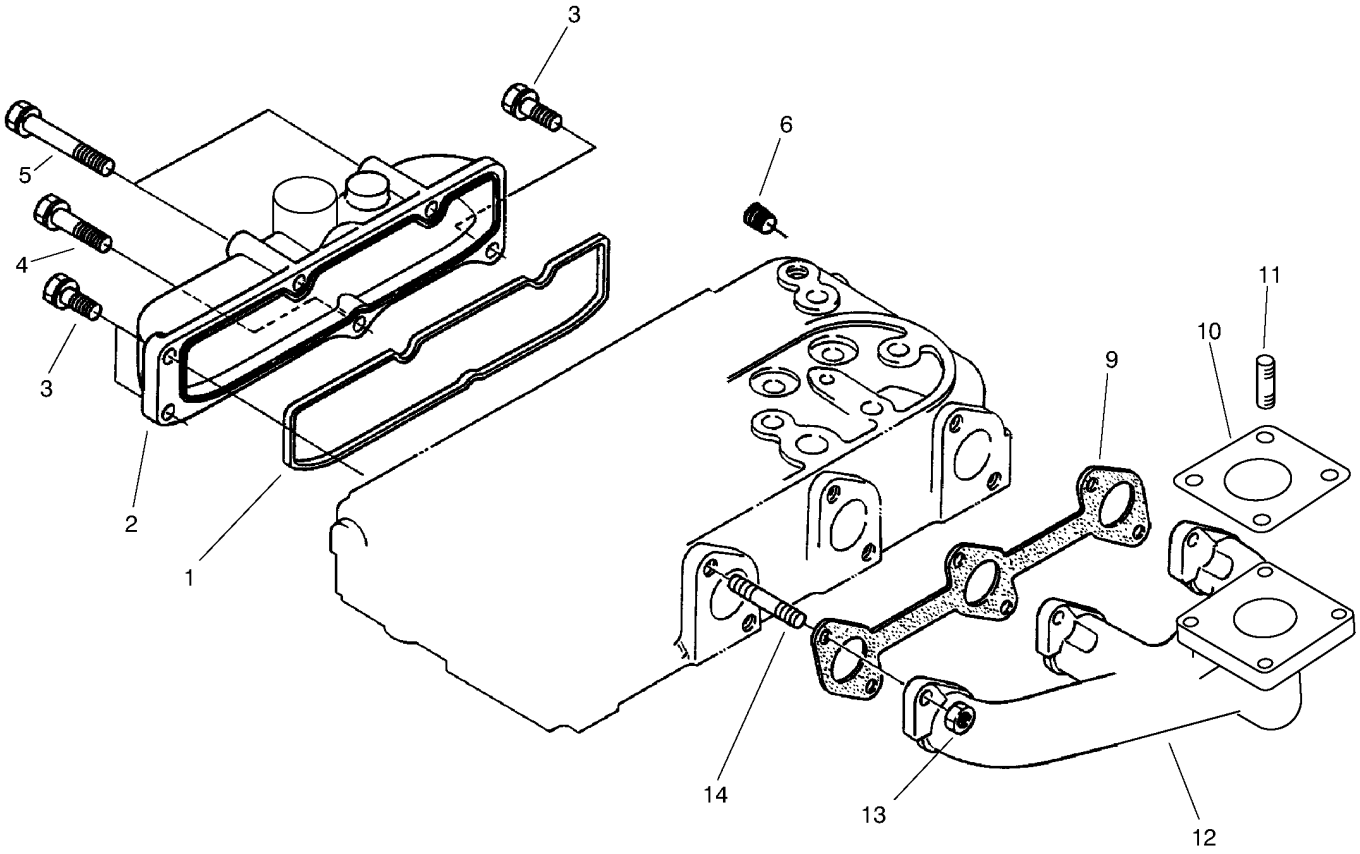

# Water Pump Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 99-3455 | 1 | Asm-Pump, Water (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 | Asm-Seal |
| 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 Number* | *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 | Asm-Arm, Rocker (Incl. Ref. #4 & 6) |
| 6 | 98-9502 | 6 | Screw-Adjusting |
| 7 | 98-9365 | 2 | Screw-Set |
| 8 | 98-9612 | 1 | Asm-Shaft, Rocker Arm (Incl. Ref. #7) |
| 9 | 98-9370 | 2 | Clip-Circular, External |
| 10 | 98-9507 | 2 | Washer-Shaft, Rocker Arm |
| 11 | 98-9505 | 3 | Bracket-Rocker Arm |
| 12 | 98-9504 | 2 | Spring-Rocker Arm |
| 13 | 98-9391 | 1 | Screw-Set |
| 14 | 98-9496 | 6 | Seal-Valve Stem |
| 15 | 98-9648 | 6 | Spring-Valve |
| 16 | 98-9498 | 6 | Retainer-Valve Spring |
| 17 | 98-9390 | 6 | Collet-Valve Spring Set |
| 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 Number* | *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:

## Notes:

## Notes:




**Count on it.**