Form No. 3323-421 Rev B

TORO®

Count on it.

Parts Catalog

Reelmaster® 3100-D

With Sidewinder®

Model No. 03200—Serial No. 90343 and Up

Model No. 03201—Serial No. 90952 and Up

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

3323-421 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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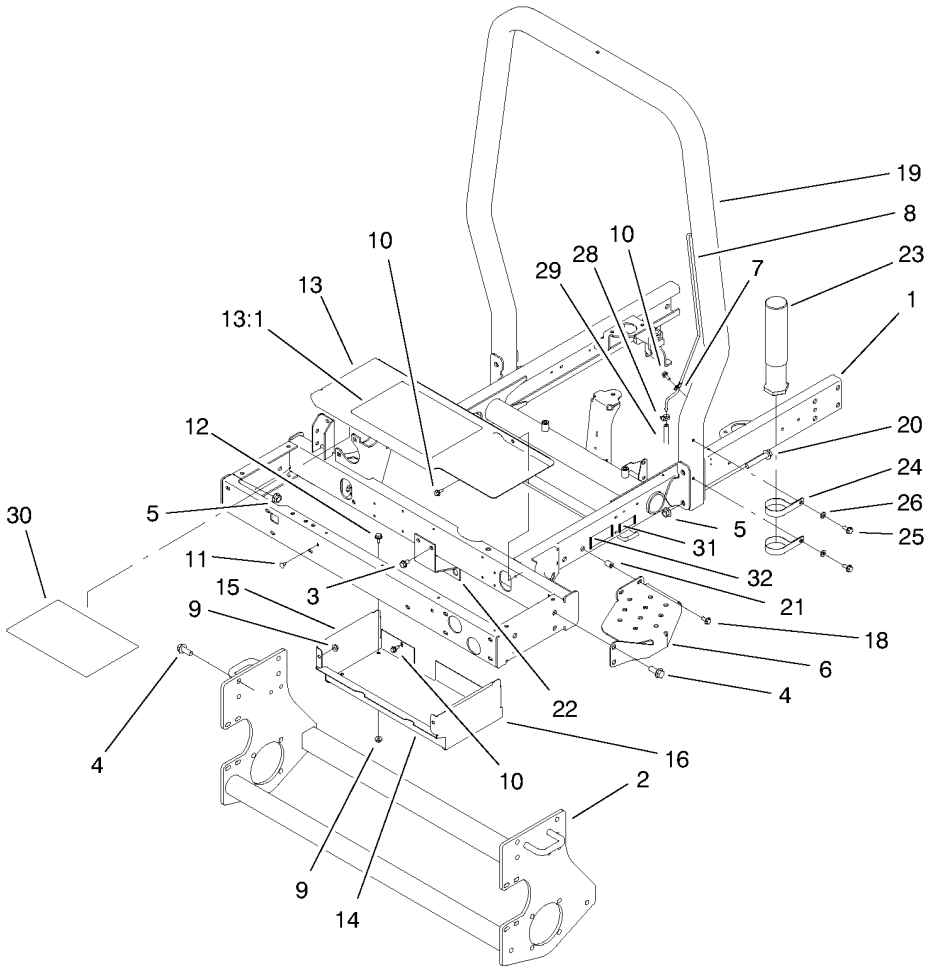
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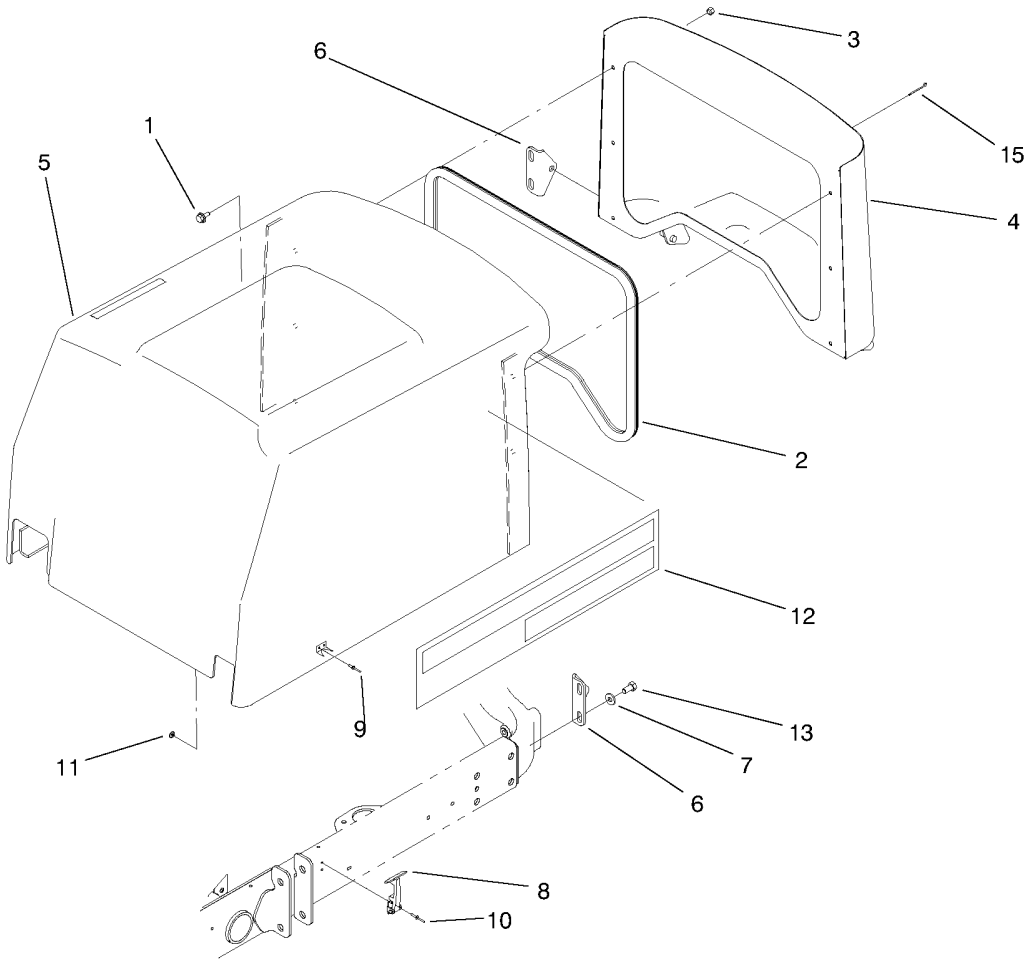
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Frame And Platform Assembly

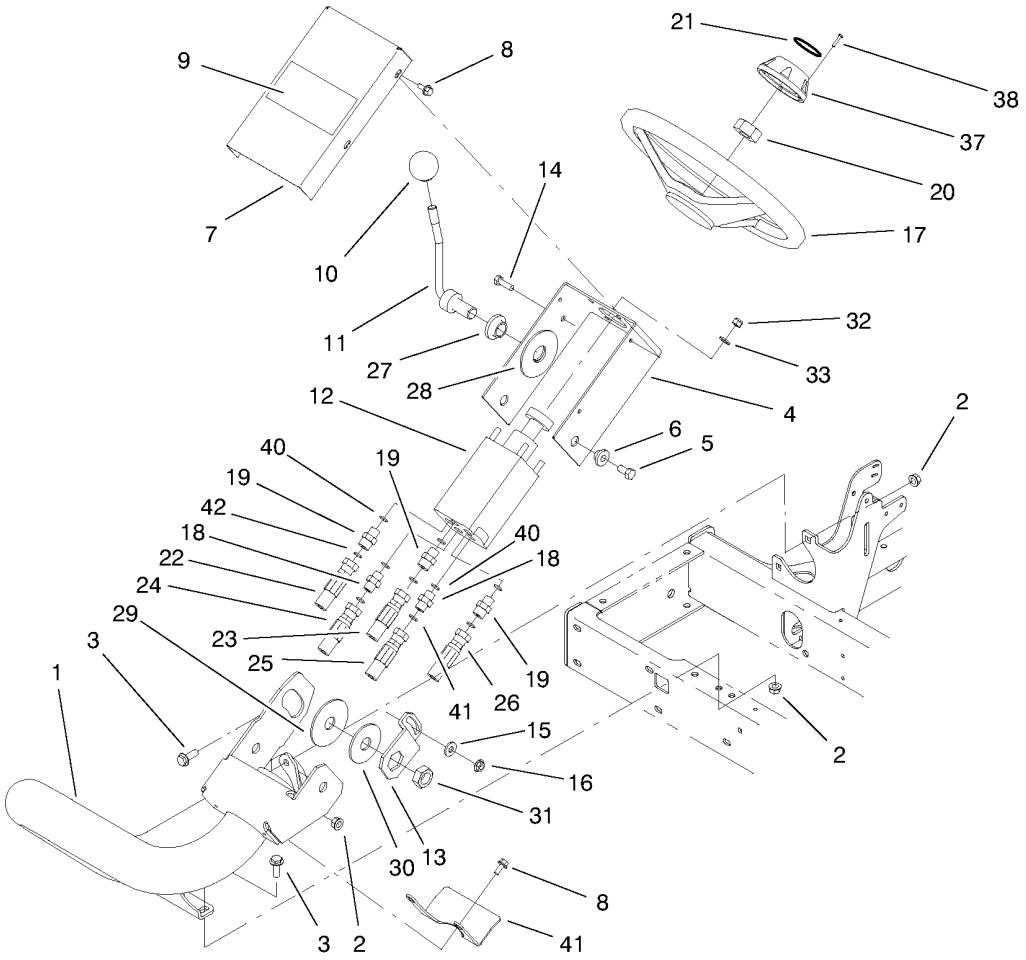
Ref.	Part Number	Qty.	Description
1	95-8590-03	1	Frame Assembly
2	95-8568-03	1	Frame-Lower
3	32144-15	2	Screw-HWH
4	3234-38	8	Screw-Hfh
5	32128-49	12	Nut-Hex. Flange
6	99-3375-03	1	Step
7	2412-72	3	Clamp-R
8	95-8615	1	Tube-Breather
9	32128-33	6	Nut-Hex. Flange
10	32144-10	13	Screw-HH
11	3229-10	2	Screw-CARR
12	3234-13	4	Screw-Hfh
13	99-3504	0	Toolbox Cover Assembly (Incl. Ref. #27)
14	99-3430-03	1	Bottom-Toolbox
15	99-3431-03	1	End-Toolbox, RH
16	99-3432-03	1	End-Toolbox, LH

Ref.	Part Number	Qty.	Description
18	3234-5	2	Screw-Hfh
19	99-3350-03	1	Tube-ROPS
20	3234-40	4	Screw-Hfh
21	32148-8	2	Nut-Clinch
22	95-8598-03	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
31	63-9920	1	Decal-Noise Level
32	85-6910	1	Decal-Noise Rating



Hood and Screen Assembly

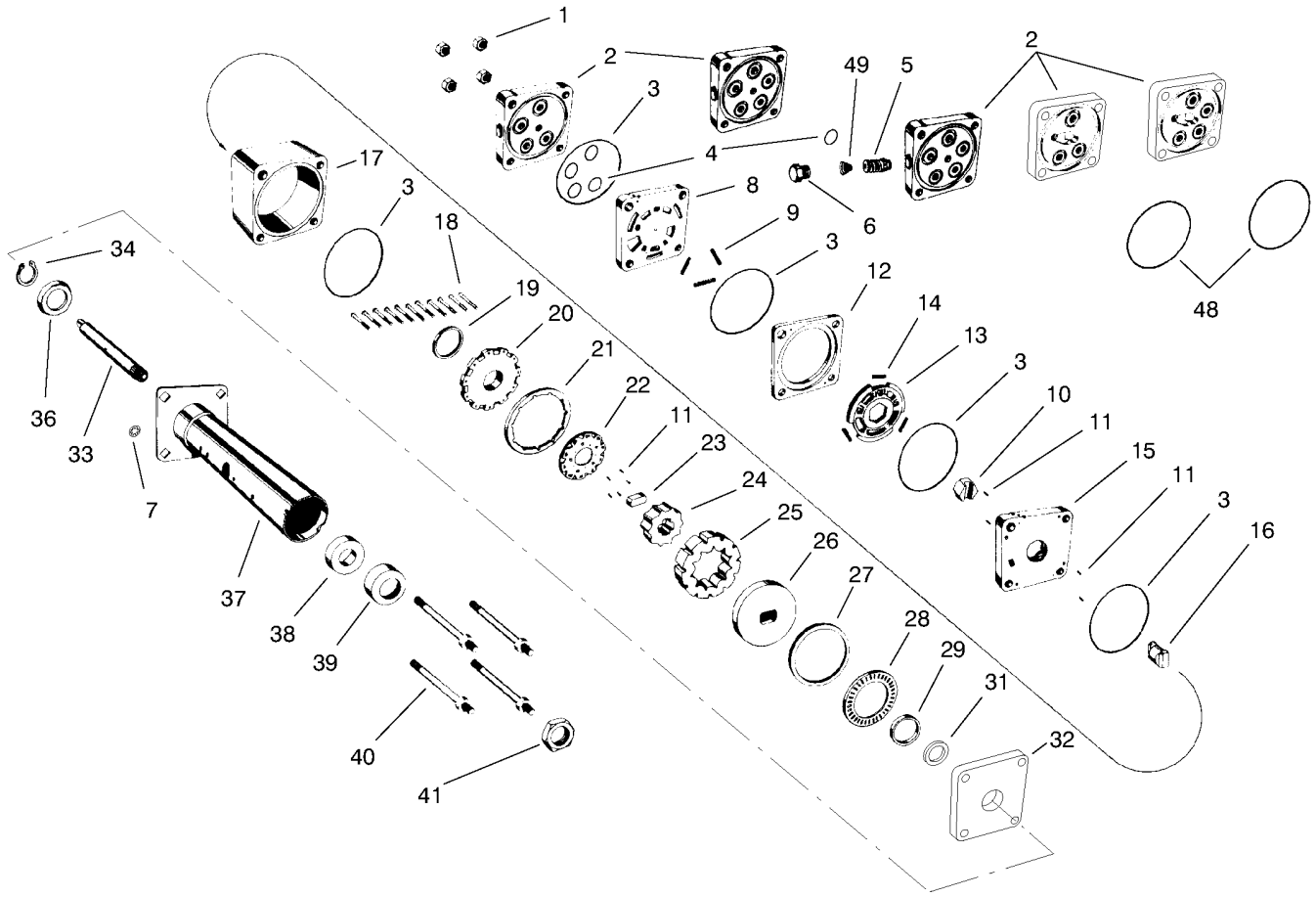
Ref.	*Part Number*	*Qty.*	*Description*
1	3234-4	6	Screw-Hfh
2	95-8809	1	Trim-Seal
3	3296-42	6	Nut-Hex. Lock
4	95-8724-03	1	Screen Assembly-Hood
5	95-8935	1	Hood Assembly
6	95-8728	2	Bracket-Hood Pivot
7	3256-24	4	Washer-Flat
8	59-9740	2	Flex Draw Latch Assembly
9	98-7310	4	Rivet-Pop
10	3290-55	4	Rivet-Pop
11	3269-10	4	Washer-Flat
12	99-3387	2	Decal
13	323-4	4	Screw-HH
15	3290-467	1	Pin-Cotter, Hair



Steering Column Assembly

Ref.	Part Number	Qty.	Description
1	95-8785-01	1	Steering Arm Assembly
2	32128-43	4	Nut-Hex. Flange
3	3234-11	4	Screw-Hfh
4	95-8793-01	1	Bracket-Steering Valve
5	323-5	2	Screw-HH
6	93-5988	2	Hub-Pivot
7	95-8794-01	1	Cover-Steering
8	32144-10	5	Screw-HH
9	67-1300	1	Decal-Toro
10	233-48	1	Knob-Ball
11	95-8798-03	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. #37 & 38)
18	340-1	2	Fitting-Hydraulic (Incl. Ref. #40 & 41)
19	340-2	0	Fitting-Hydraulic (Incl. Ref. #40 & 42)

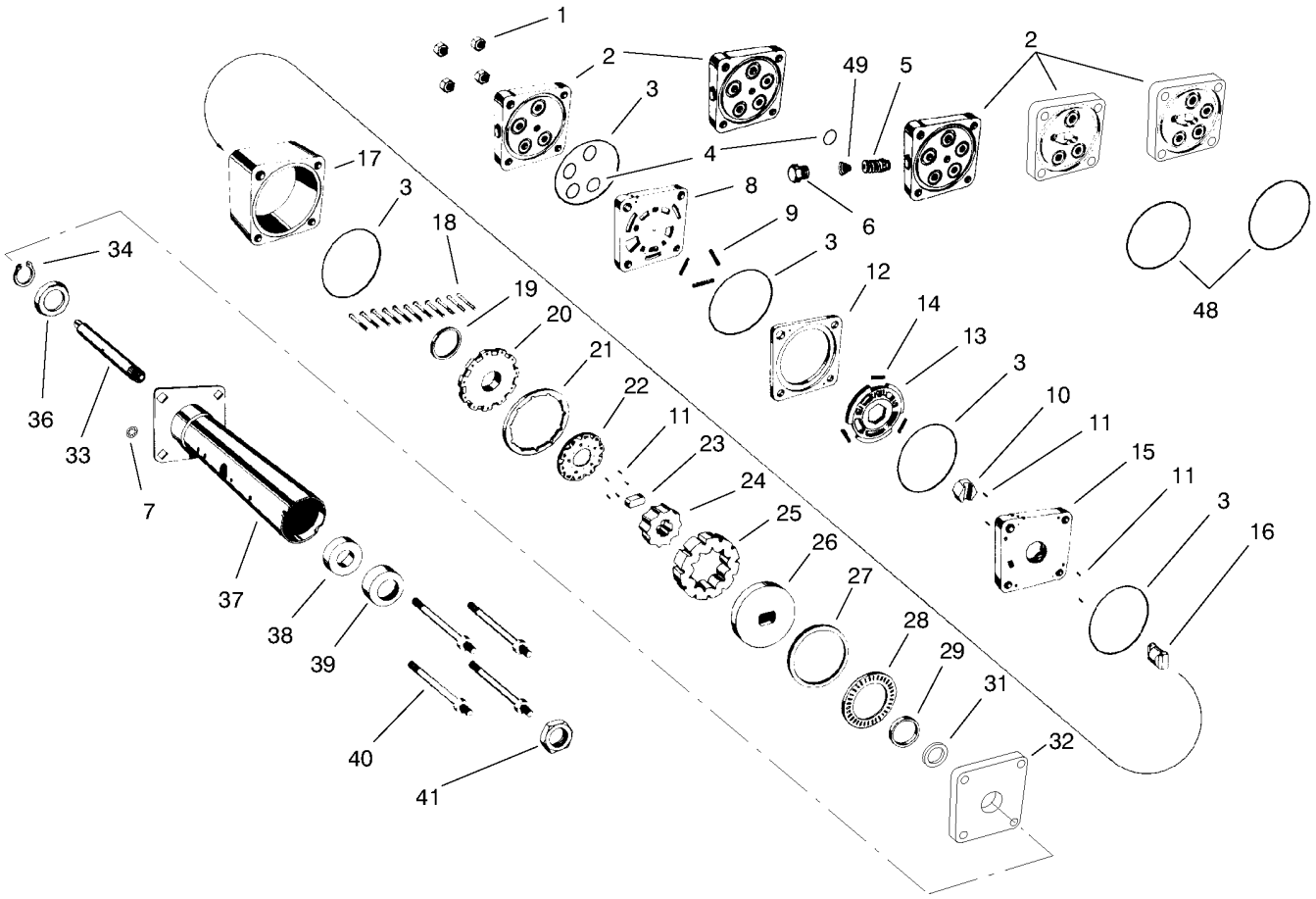
Ref.	Part Number	Qty.	Description
20	47-6990	1	Nut-Steering Wheel
21	68-5370	1	Decal-Toro
22	95-8842	1	Hose Assembly
23	95-8843	1	Hose Assembly
24	95-8844	1	Hose Assembly
25	95-8845	1	Hose Assembly
26	95-8846	1	Hose Assembly
27	99-3502	1	Boss-Tilt Steering
28	31-0390	1	Disc-Friction
29	82-9010	1	Disc-Friction
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
34	3920-271	2	Rivet-Pop
36	99-3405-01	1	Shield-Steering
37	68-5140	1	Cap-Steering Wheel
38	32144-21	1	Screw-PPH
39	32128-21	2	Nut-Hex Flange
40	237-42	5	O-Ring
41	237-21	2	O-Ring
42	237-22	3	O-Ring



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-HSH
19		1	Seal-Commutator
20		1	Cover-Commutator
21		1	Ring-Commutator
22		1	Commutator
23		1	Spacer-Drive Link
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
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. #9&14) ●
*	66-9980	1	Kit-Seal (Incl. Ref. #3, 19 & 29) ●

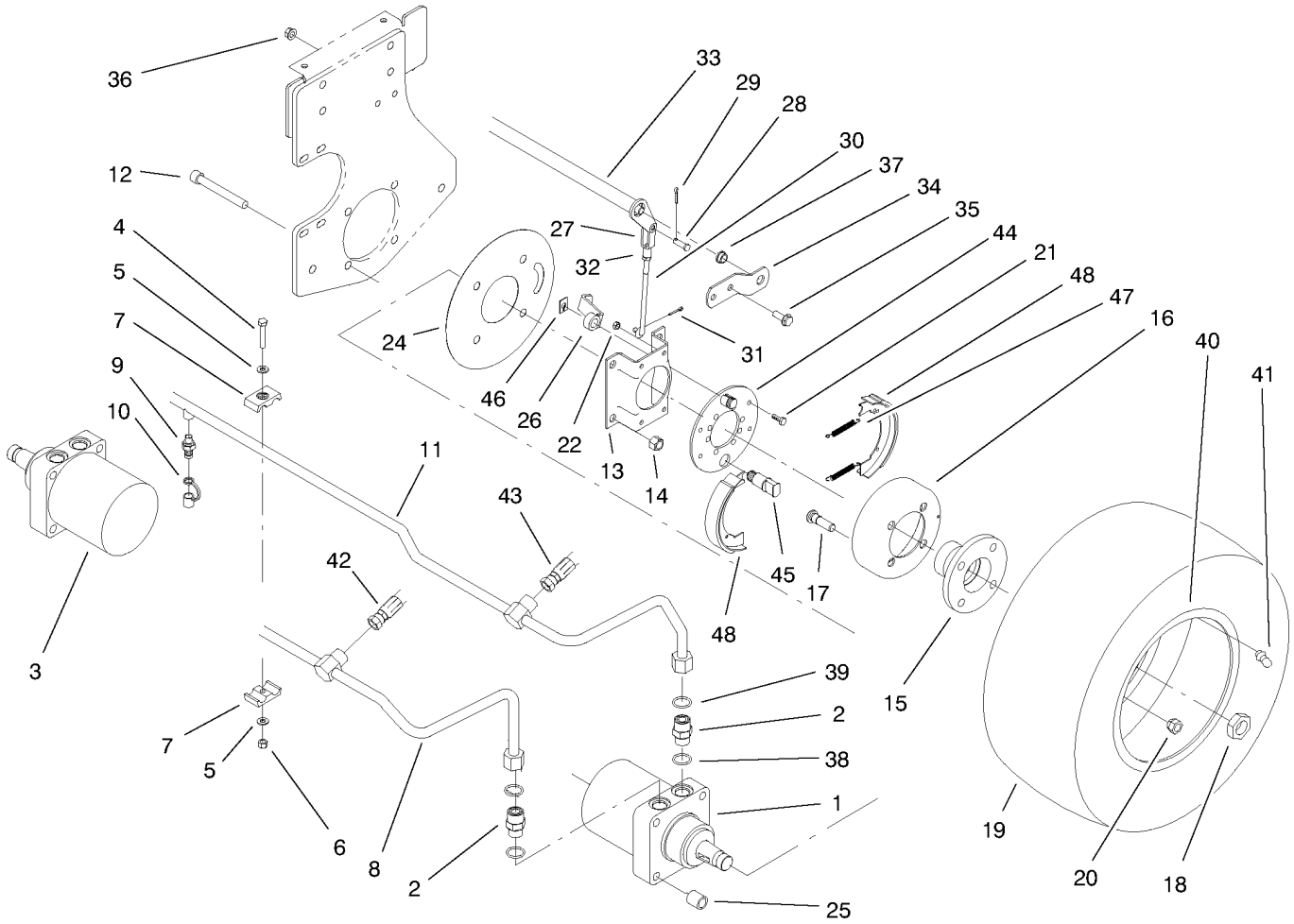
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Steering Control Valve Assembly No. 95-8642 (continued)

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

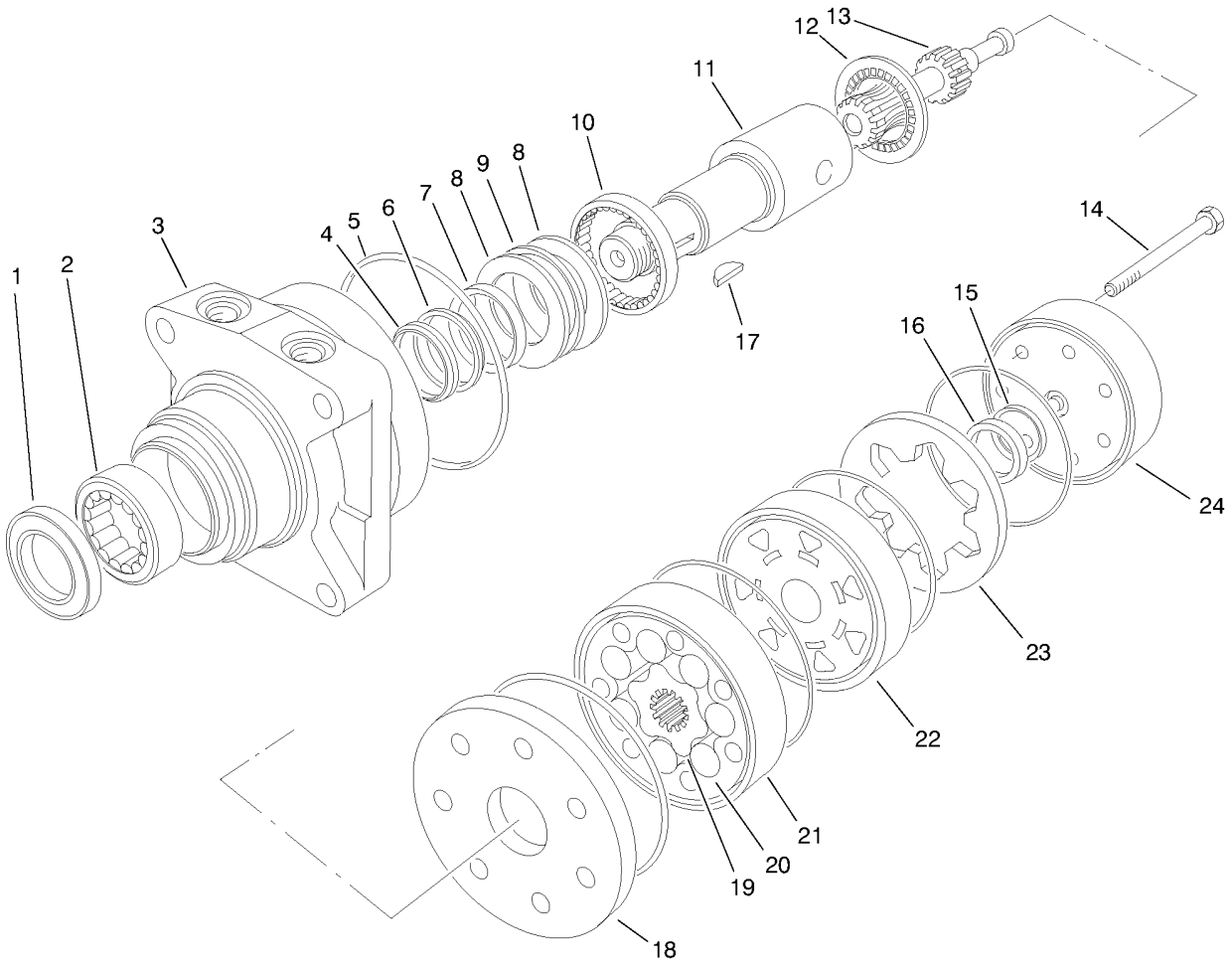


Front Wheel And Brake Assembly

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	4	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	84-2000-03	2	Bracket-Brake
14	3296-23	8	Nut-Hex. Lock
15	93-6838-03	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	95-8818-03	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	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-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	2	Clip-Retainer
47	70-9880	2	Spring-Return
48	70-9840	2	Shoe-Brake
*	71-1500	2	Brake Assembly (Incl. Ref. #44-48) ●

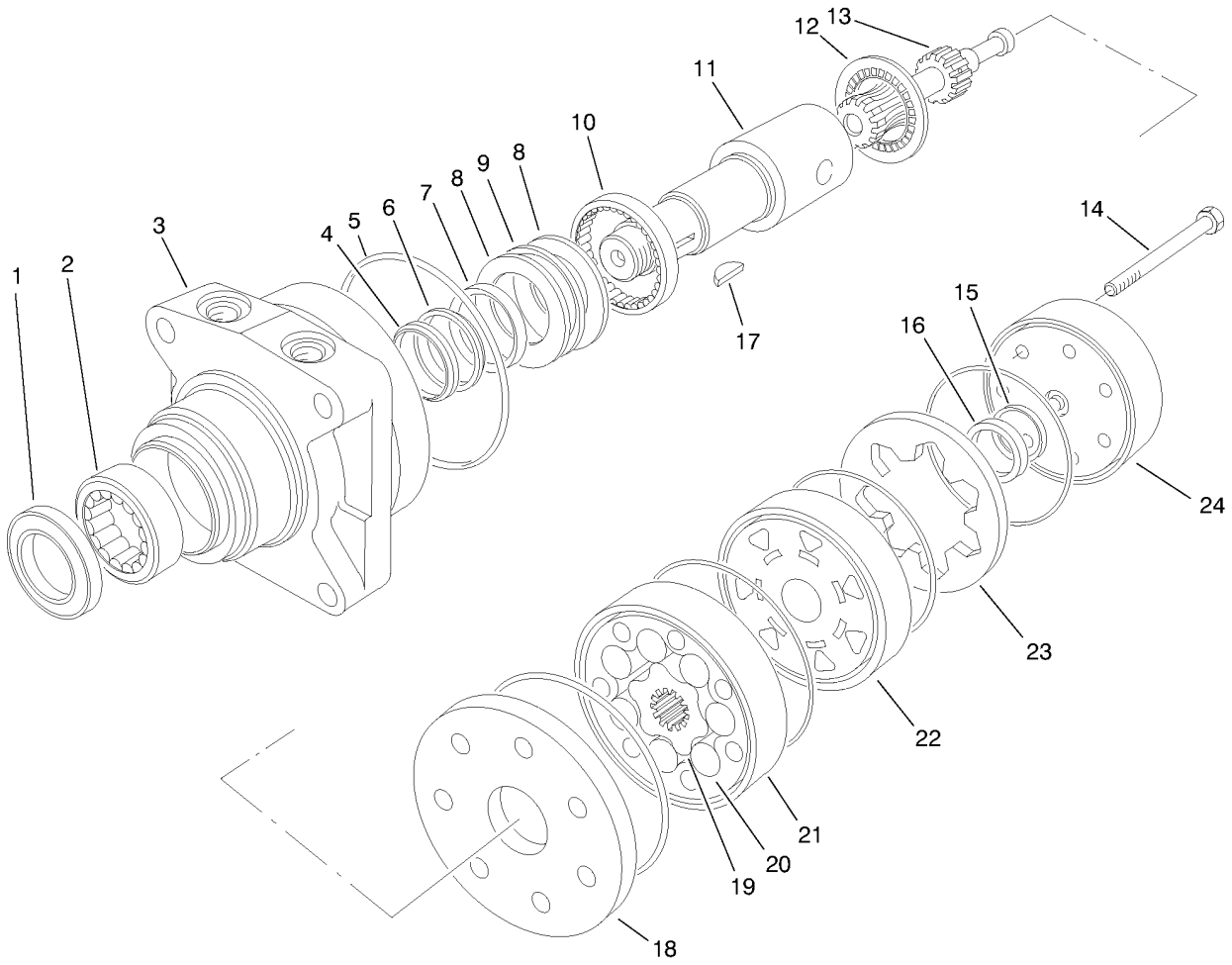
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Hydraulic Motor Assembly No. 75-9990

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) ●

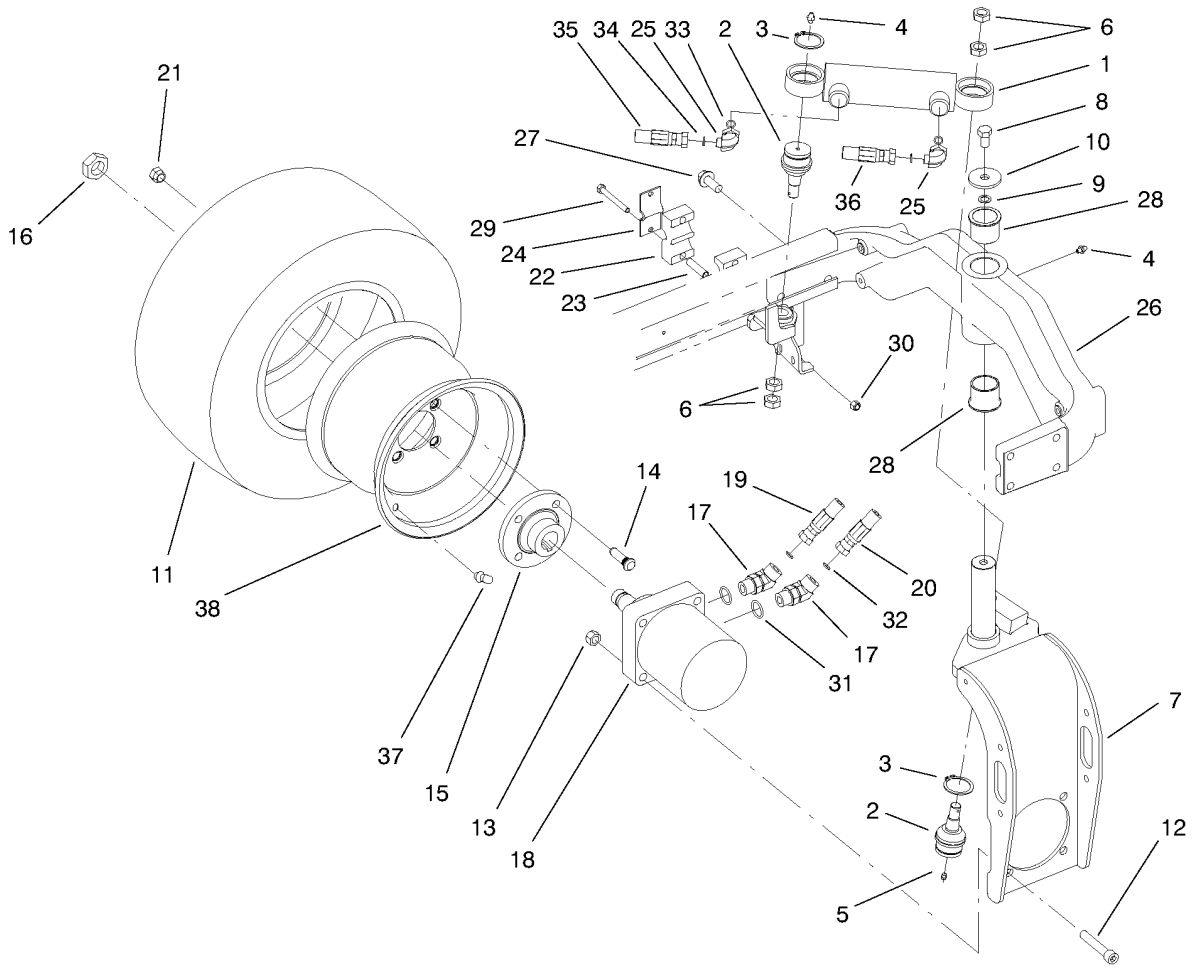
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Hydraulic Motor Assembly No. 95-8693

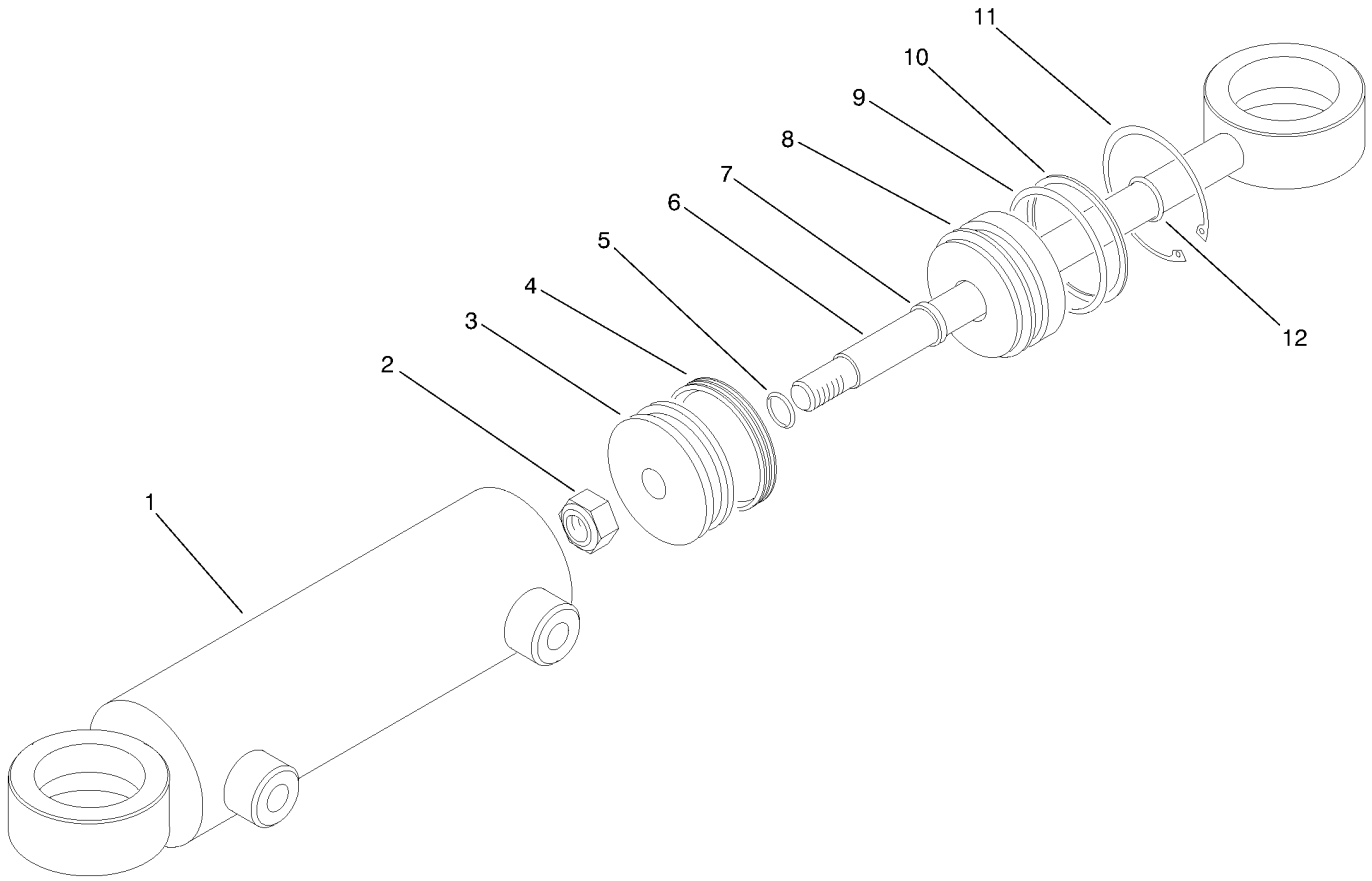
Ref.	Part Number	Qty.	Description
1		1	Seal-Dirt And Water
2		1	Bearing
3		1	Housing
4		1	Washer-Backup
5		5	Seal Rings
6		1	Washer-Backup
7		1	Seal-Inner
8		2	Washer-Thrust
9		1	Bearing-Thrust
10		1	Bearing
11	76-0860	1	Shaft-Coupling
12	76-0850	1	Bearing-Thrust
13	76-0960	1	Link-Drive
14	76-1010	7	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

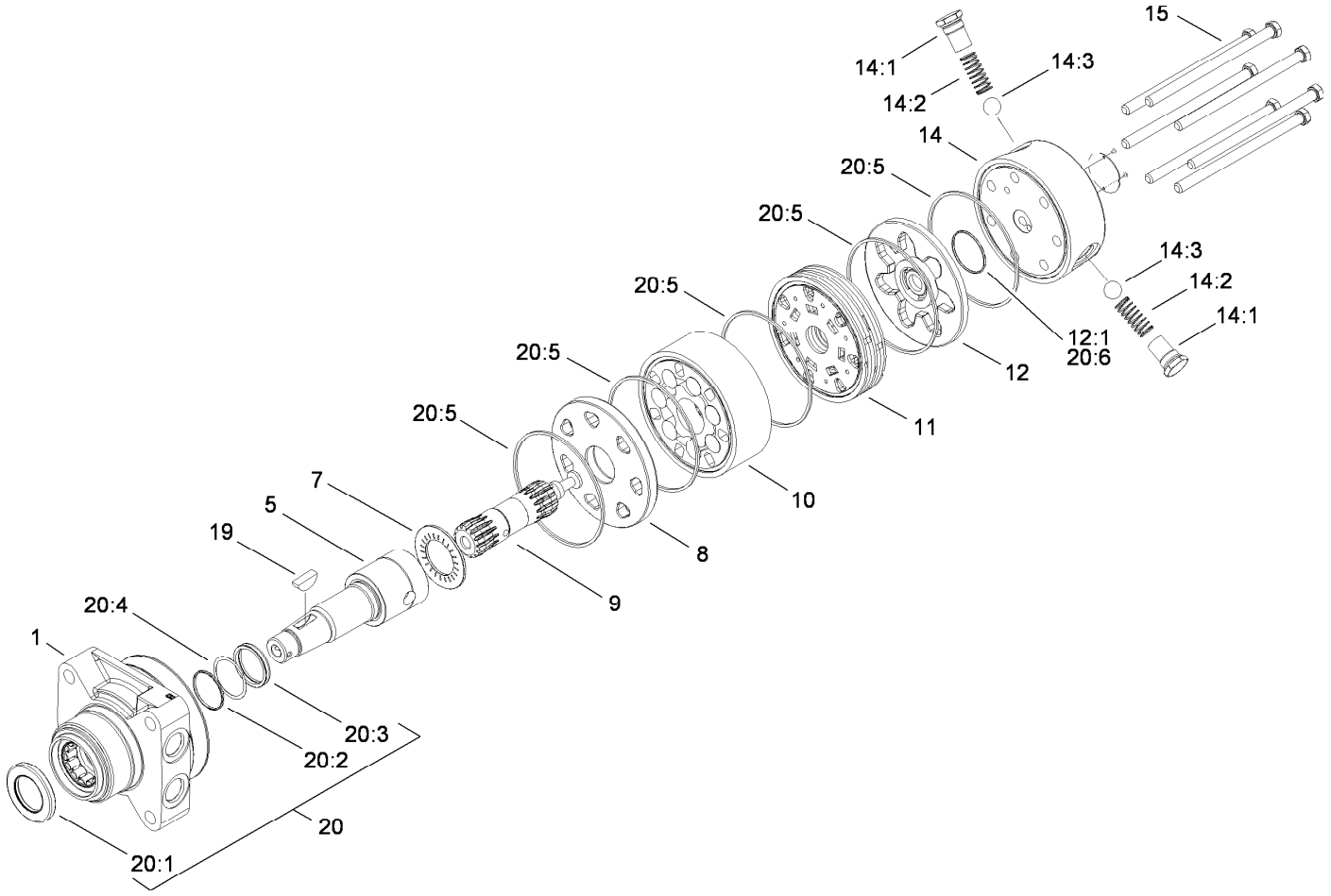
Ref.	Part Number	Qty.	Description
1	94-8141	1	Hydraulic Cylinder Assembly
2	92-5838	2	Ball Joint
3	32151-104	2	Ring-Retaining, External
4	302-5	2	Fitting-Grease, Straight
5	302-59	1	Plug-Grease Fitting
6	3220-6	4	Nut-Jam
7	95-8905-01	1	Rear Fork Assembly
8	325-3	1	Screw-HH
9	3255-2	1	Washer-Lock, External
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, 45# (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	95-8577-03	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) ●

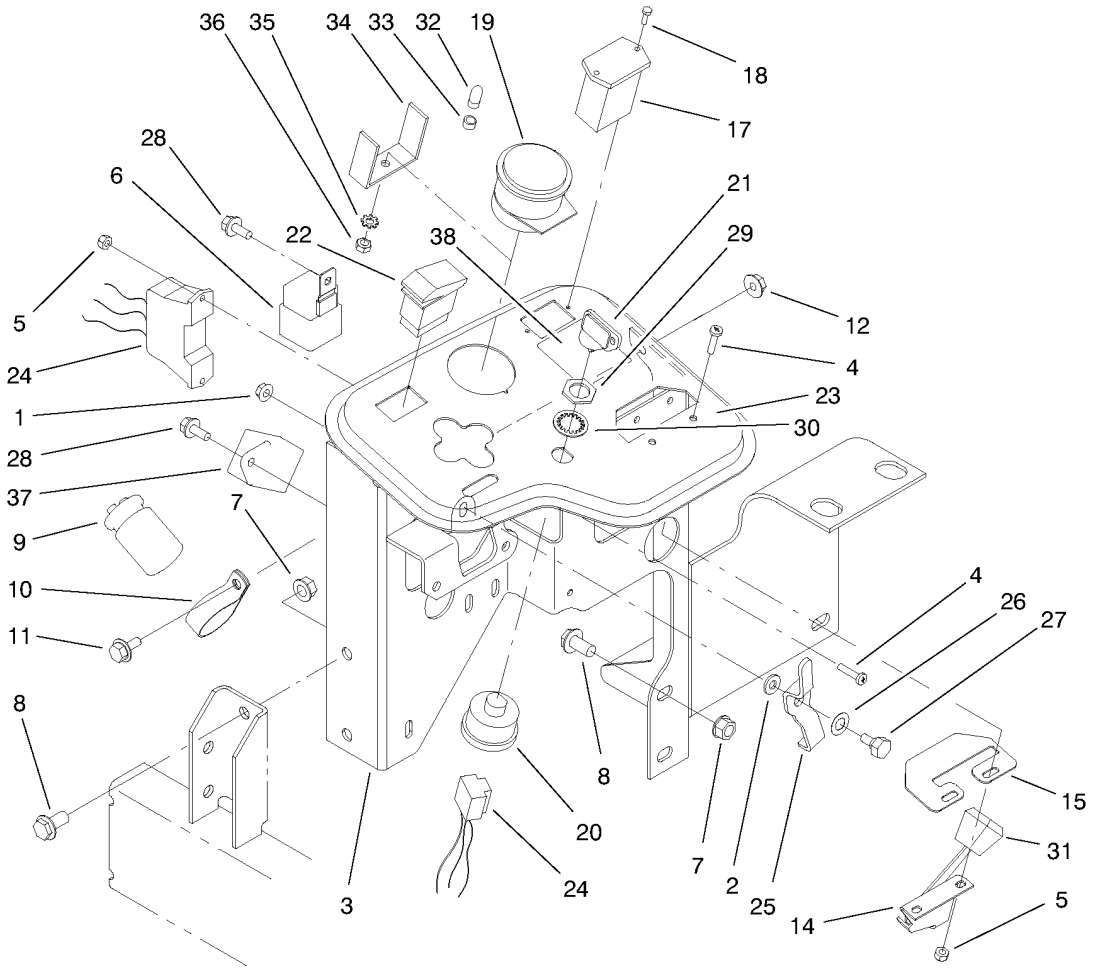
● * Not Illustrated



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 ●

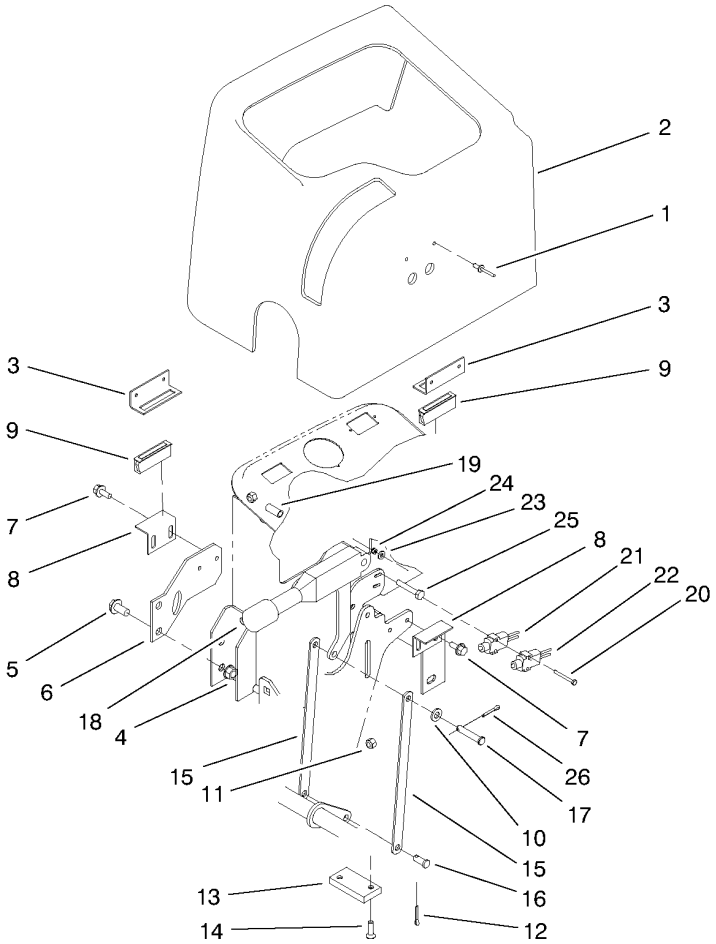
● Not serviced separately



Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	32128-32	1	Nut-Hex. Lock
2	3256-22	1	Washer-Flat
3	95-8712-03	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	5	Nut-Hex. Flange
8	3234-1	5	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)
21	63-8360	2	Key-Ignition

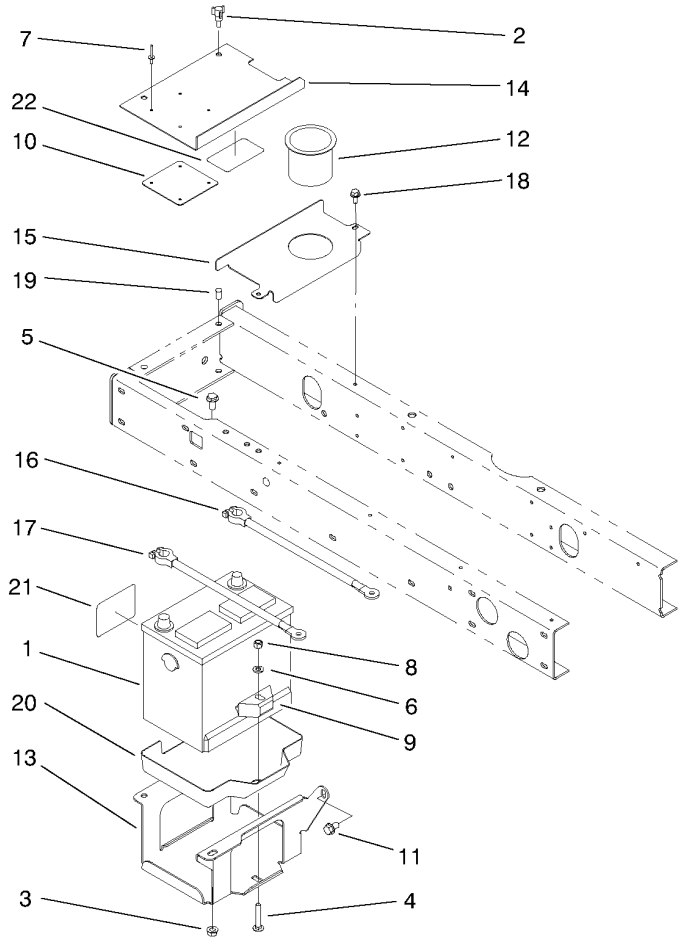
Ref.	Part Number	Qty.	Description
22	95-8999	1	Switch
23	99-3493	1	Decal-Console (Model 03200)
23	99-3443	1	Decal-Console (Model 03201)
24	99-3555	1	Wire Harness
25	99-3401-03	1	Lever-Lock, Valve
26	3290-477	1	Washer-Curved
27	63-3410	1	Bolt-Shoulder
28	32144-10	4	Screw-HH
29	218-461	1	Nut-Hex.
30	3254-5	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
38	99-3558	1	Decal-Console (Europe)



Parking Brake Assembly

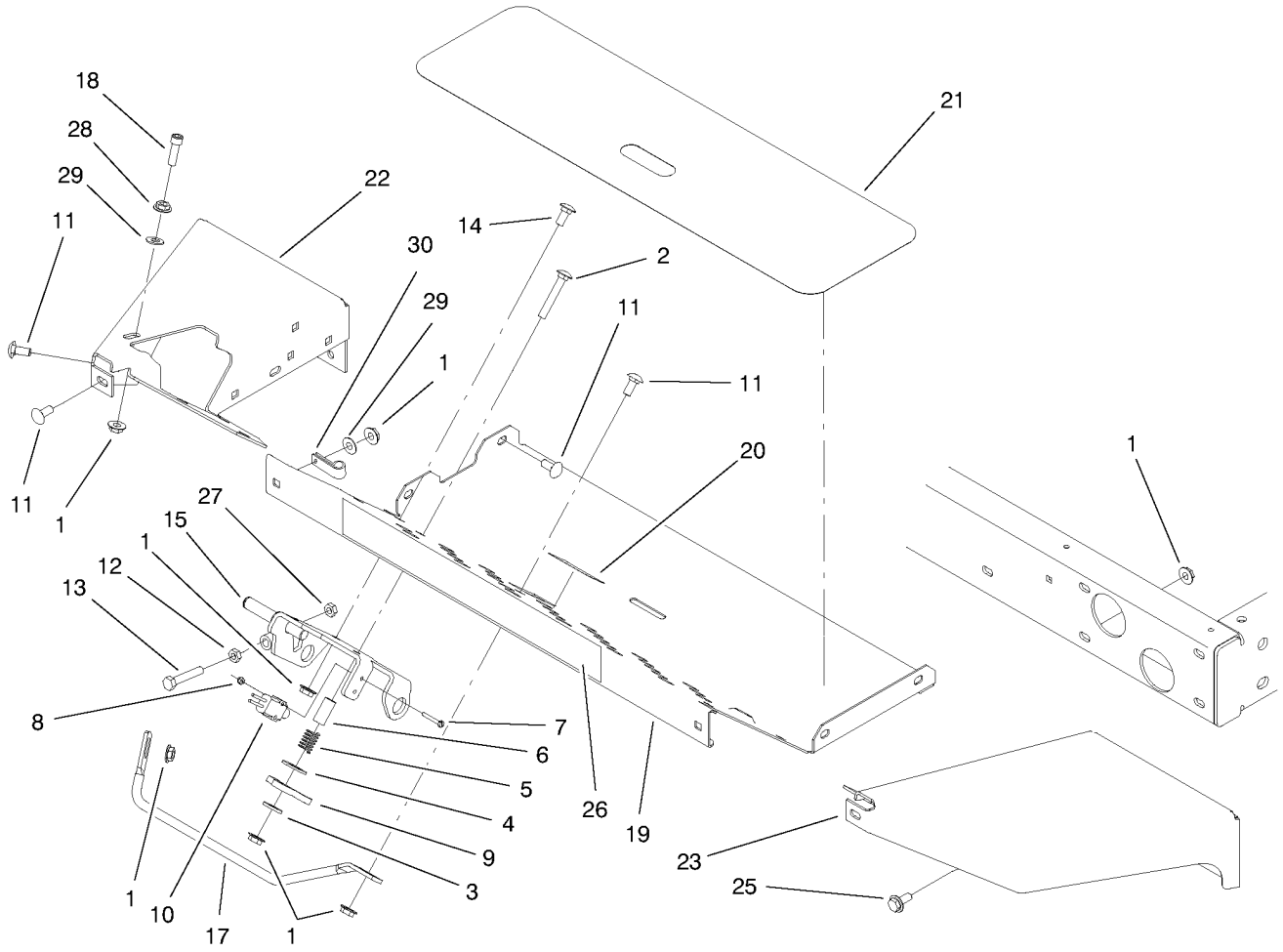
Ref.	Part Number	Qty.	Description
1	3269-5	4	Rivet-Pop
2	95-8707	1	Cover-Control Panel
3	95-8763	2	Bracket-Cover
4	32128-43	2	Nut-Hex. Flange
5	3234-1	2	Screw-Hfh
6	95-8764-03	1	Support-Magnet
7	32144-10	4	Screw-HWH
8	95-8765	2	Bracket-Strike
9	58-4250	2	Catch-Magnetic
10	3256-23	1	Washer-Plain
11	3296-42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

Ref.	Part Number	Qty.	Description
14	3289-4	2	Screw-HSFH
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 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
26	3272-6	1	Pin-Cotter



Battery Assembly

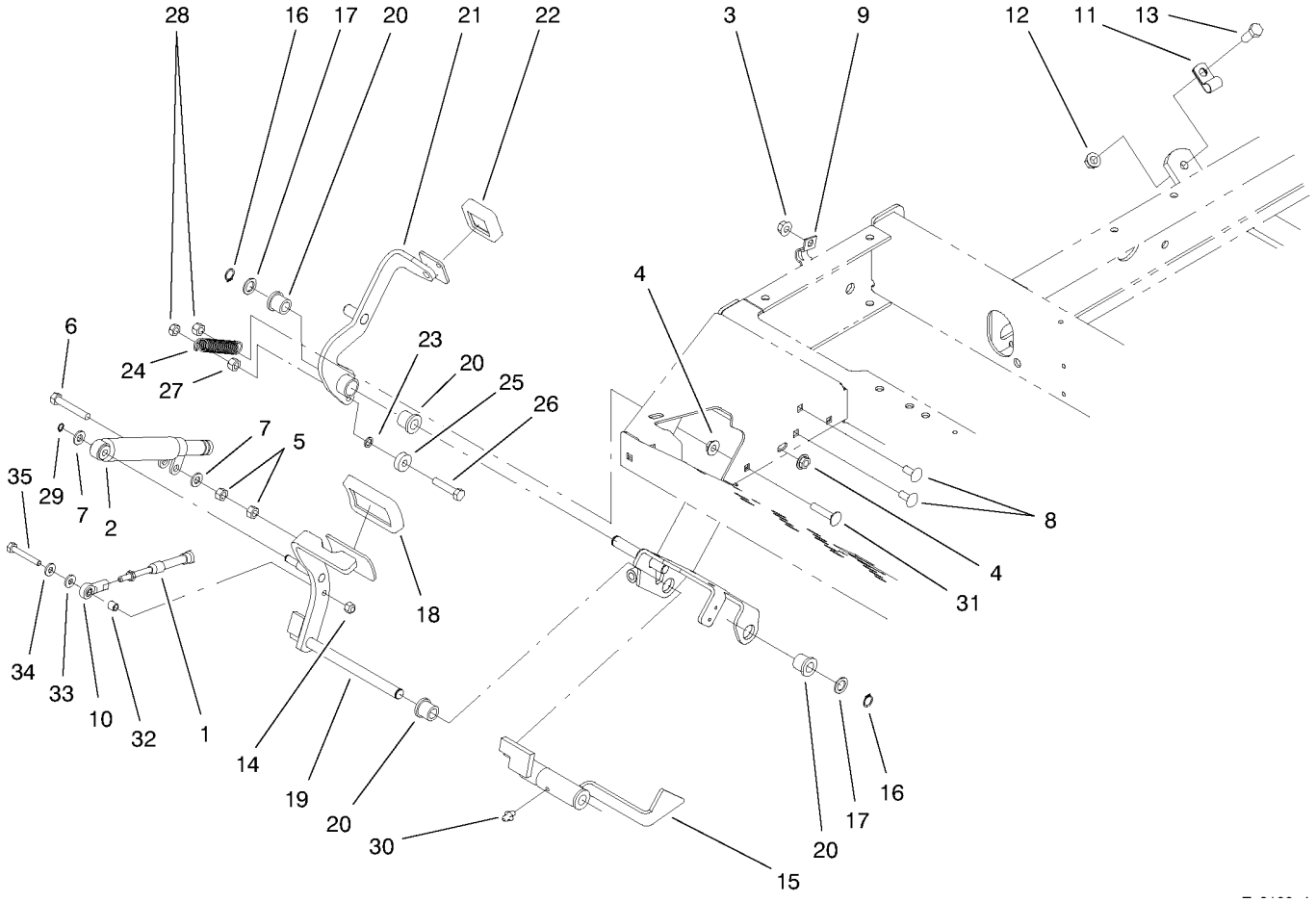
Ref.	*Part Number*	*Qty.*	*Description*
1	83-9000	1	Battery
2	233-70	2	Knob
3	32128-43	3	Nut-Hex. Flange
4	3230-5	1	Bolt-CARR
5	3234-1	3	Screw-Hfh
6	3256-23	1	Washer-Plain
7	3269-27	4	Rivet-Plastic
8	3296-29	1	Nut-Lock NI
9	66-2490	1	Retainer-Battery
10	87-7620	1	Shield-Battery Cover
11	32144-15	1	Screw-HWH
12	94-1410	1	Holder-Beverage
13	95-8796-03	1	Support-Battery
14	99-3602	1	Cover-Battery (Incl. Ref. #22)
15	95-8817-01	1	Cover-Battery, Inner
16	95-8854	1	Cable-Battery, Negative
17	95-8853	1	Cable-Battery, Positive
18	32144-4	2	Screw-HWH
19	32148-6	2	Insert-Threaded
20	99-3513	1	Tray-Battery
21	93-6668	1	Decal-Battery
22	93-7276	1	Decal-Danger



Rocker Arm Assembly

Ref.	Part Number	Qty.	Description
1	32128-44	23	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	99-3593	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
14	3230-23	2	Screw-CARR
15	95-8869-03	1	Bracket Assembly-Traction

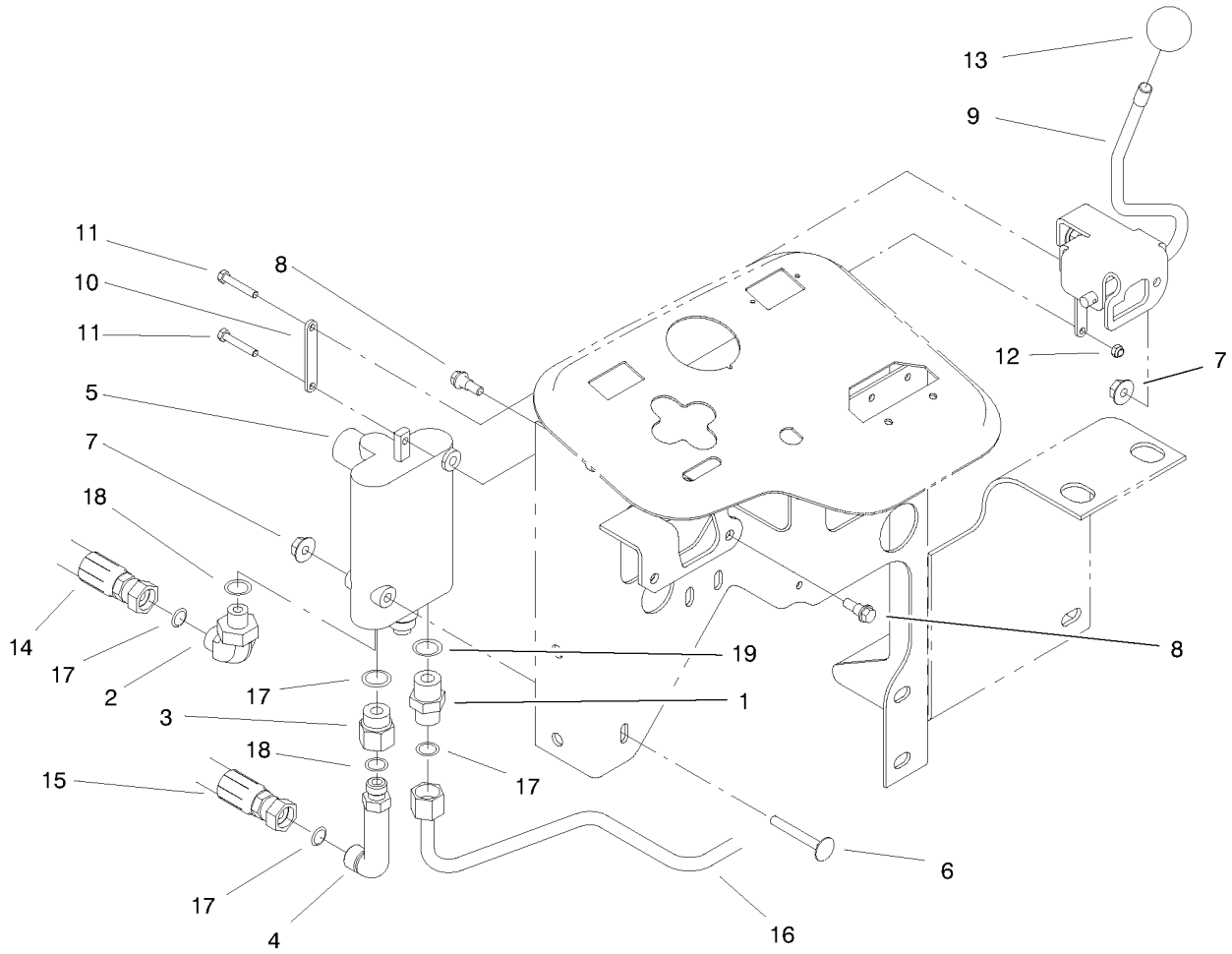
Ref.	Part Number	Qty.	Description
17	95-8893	1	Bar-Deflector
18	3274-22	1	Screw-HSH
19	95-8610-01	1	Plate-Floor
20	99-3444	1	Decal-Mow/Transport
21	99-3478	1	Tread-Floor Plate
22	95-8611-01	1	Bracket-Floor Plate, RH
23	95-8612-01	1	Bracket-Floor Plate, LH
25	3234-5	10	Screw-Hfh
26	99-3388	1	Decal-Sidewinder (Model No. 03201)
27	99-3565	1	Nut-Square
28	3217-6	1	Nut-Hex.
29	3256-23	2	Washer-Plain
30	2412-103	1	Clamp



Traction Pedal Assembly

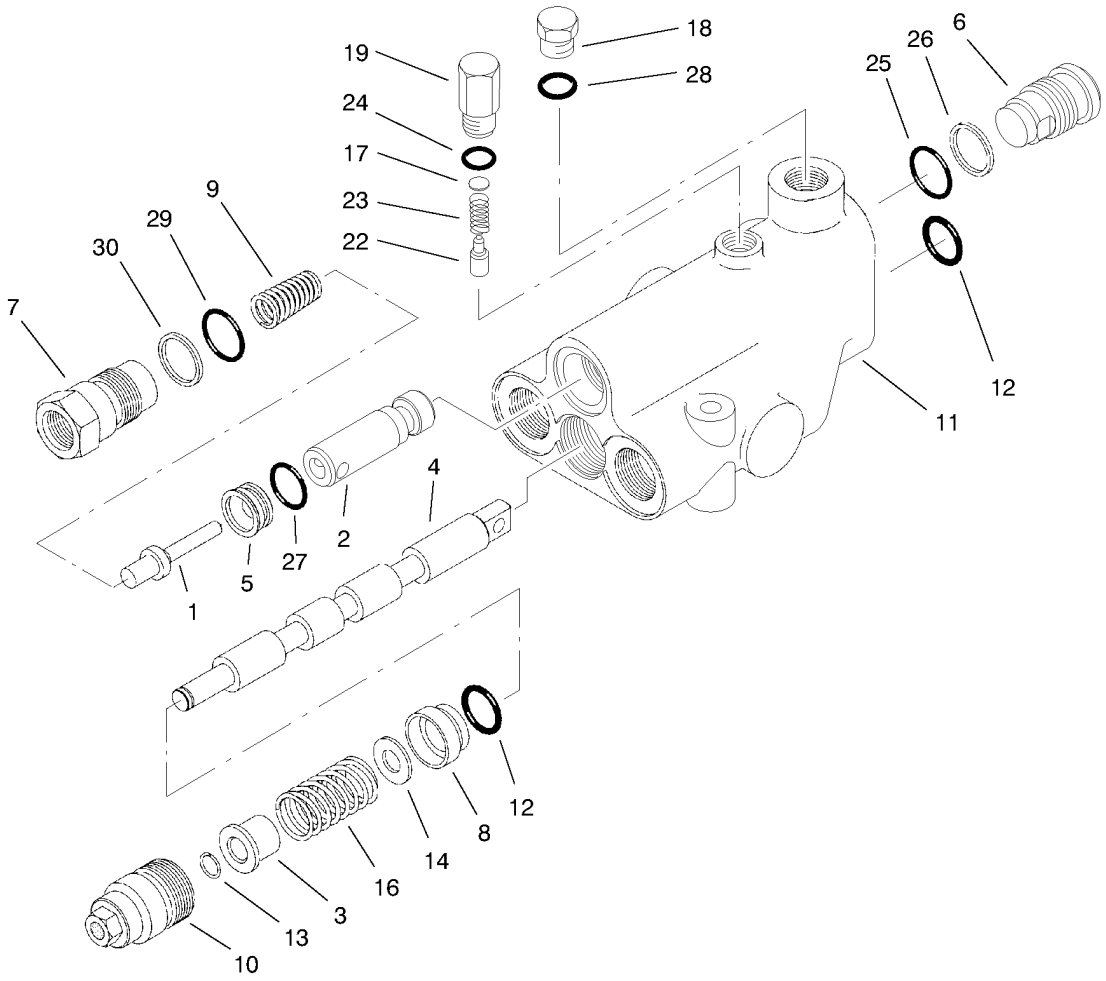
Ref.	Part Number	Qty.	Description
1	93-2099	1	Cable-Traction Control
2	76-8870	1	Lever Damper Assembly
3	32128-20	2	Nut-Hex. Flange
4	32128-44	2	Nut-Hex. Flange
5	3217-6	2	Nut-Hex.
6	322-10	1	Screw-HH
7	3256-23	1	Washer-Plain
8	3230-1	2	Screw-CARR
9	93-2092	1	Clamp-Cable
10	2411-41	1	Rod End
11	2412-10	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	99-3564-03	1	Traction Pedal Assembly
20	256-243	4	Bushing
21	99-3379	1	Pedal Assembly-Reverse (Incl. Ref. #20)
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	33093-00	1	Washer-Flat
34	3256-22	1	Washer-Flat
35	321-9	1	Screw-HH



Control Valve Assembly (model No. 03200)

Ref.	*Part Number*	*Qty.*	*Description*
1	340-3	1	Fitting-Hydraulic, Straight (Incl. Ref. #17 & 19)
2	340-77	2	Fitting-Hydraulic, 90# (Incl. Ref. #17 & 18)
3	353-397	1	Fitting-Hydraulic (Incl. Ref. #17)
4	69-4320	1	Fitting-Hydraulic, 90# (Incl. Ref. #17 & 18)
5	95-8689	1	Valve-Single Spool
6	3230-33	2	Screw-CARR
7	32128-33	4	Nut-Hex. Flange
8	42-3560	2	Bolt-Shoulder
9	95-8692	1	Valve Lever Assembly
10	95-8634	2	Link
11	87-5150	2	Screw-HH
12	87-5140	2	Nut-Lock
13	233-42	1	Knob
14	99-3575	1	Hose Assembly
15	95-8843	1	Hose Assembly
16	99-3551	1	Tube Assembly
17	237-22	5	O-Ring
18	237-42	3	O-Ring
19	237-79	1	O-Ring

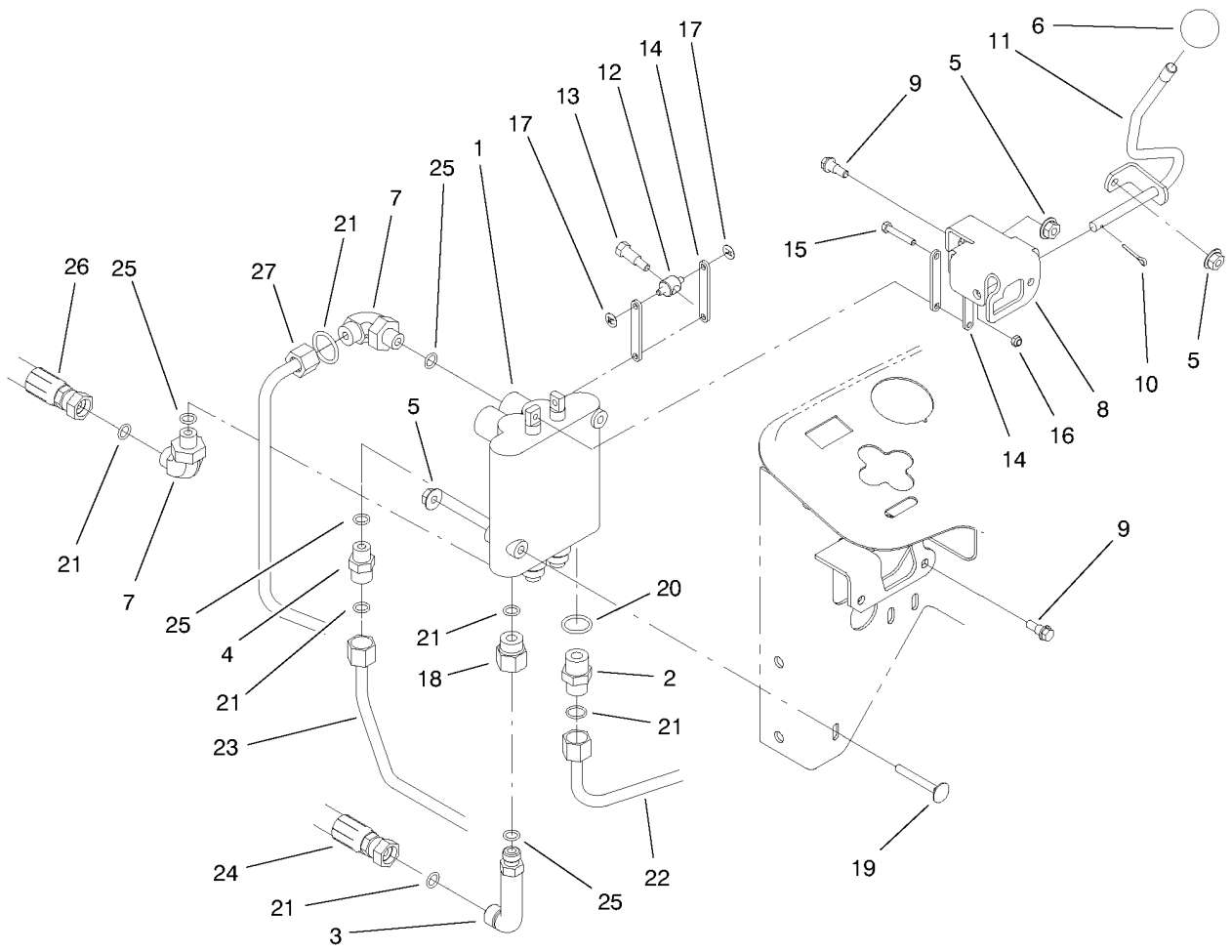


Control Valve Assembly No. 95-8689 (model No. 03200)

Ref.	*Part Number*	*Qty.*	*Description*
1	58-6290	1	Poppet Assembly
2	99-3586	1	Plunger
3	58-6310	1	Spacer
4		1	Spool
5	58-6330	1	Seat Assembly (Incl. Ref. #27)
6	58-6350	1	Plug Assembly (Incl. Ref. #25 & 26)
7	99-3527	1	Plug Assembly (Incl. Ref. #29 & 30)
8	58-6400	1	Bushing
9	69-1810	1	Spring
10	58-6420	1	Cap Assembly
11		1	Body
12	58-6450	2	O-Ring
13	58-6460	1	Ring-Retaining
14	65-2770	1	Washer

Ref.	*Part Number*	*Qty.*	*Description*
16	99-3531	1	Spring
17	60-6450	0	Disc
18	353-989	1	Plug Assembly (Incl. Ref. #28)
19	99-3588	1	Plug Assembly (Incl. Ref. #24)
22	99-3585	1	Detent-Plunger
23	99-3587	1	Spring
24	60-6410	1	O-Ring
25	60-5720	1	O-Ring
26	59-7730	1	Washer-Backup
27	58-6340	1	O-Ring
28	237-42	1	O-Ring
29	60-5720	1	O-Ring
30	59-7730	1	Washer-Backup
*	99-3589	1	Kit-Seal (Incl. Ref. #1, 12-13, 24-25 & 27-30) ●

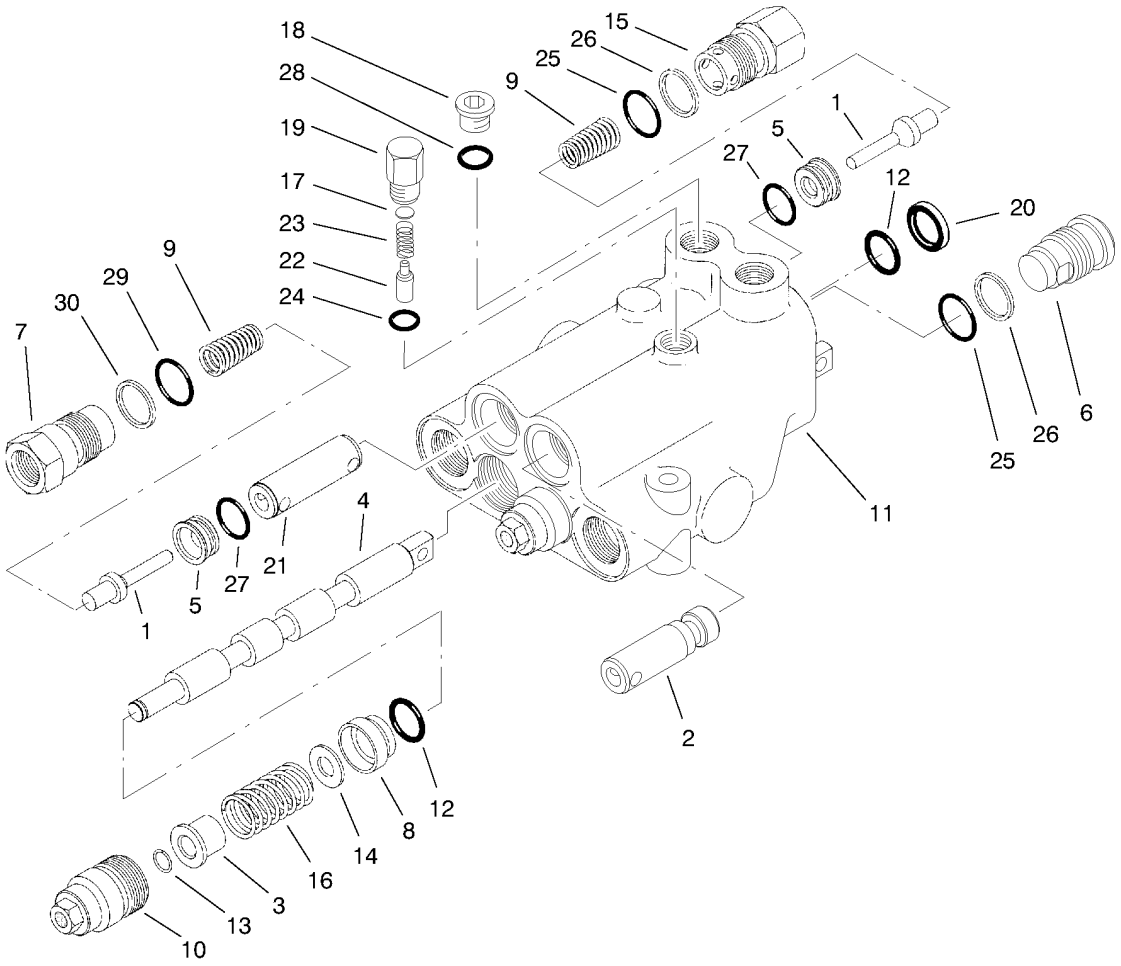
● * Not Illustrated



Control Valve Assembly (model No. 03201)

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, 90# (Incl. Ref. #21 & 25)
4	340-2	1	Straightfitting-Hydraulic, (Incl. Ref. #21 & 25)
5	32128-33	5	Nut-Hex. Flange
6	233-42	1	Knob
7	340-77	2	Fitting-Hydraulic, 90# (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

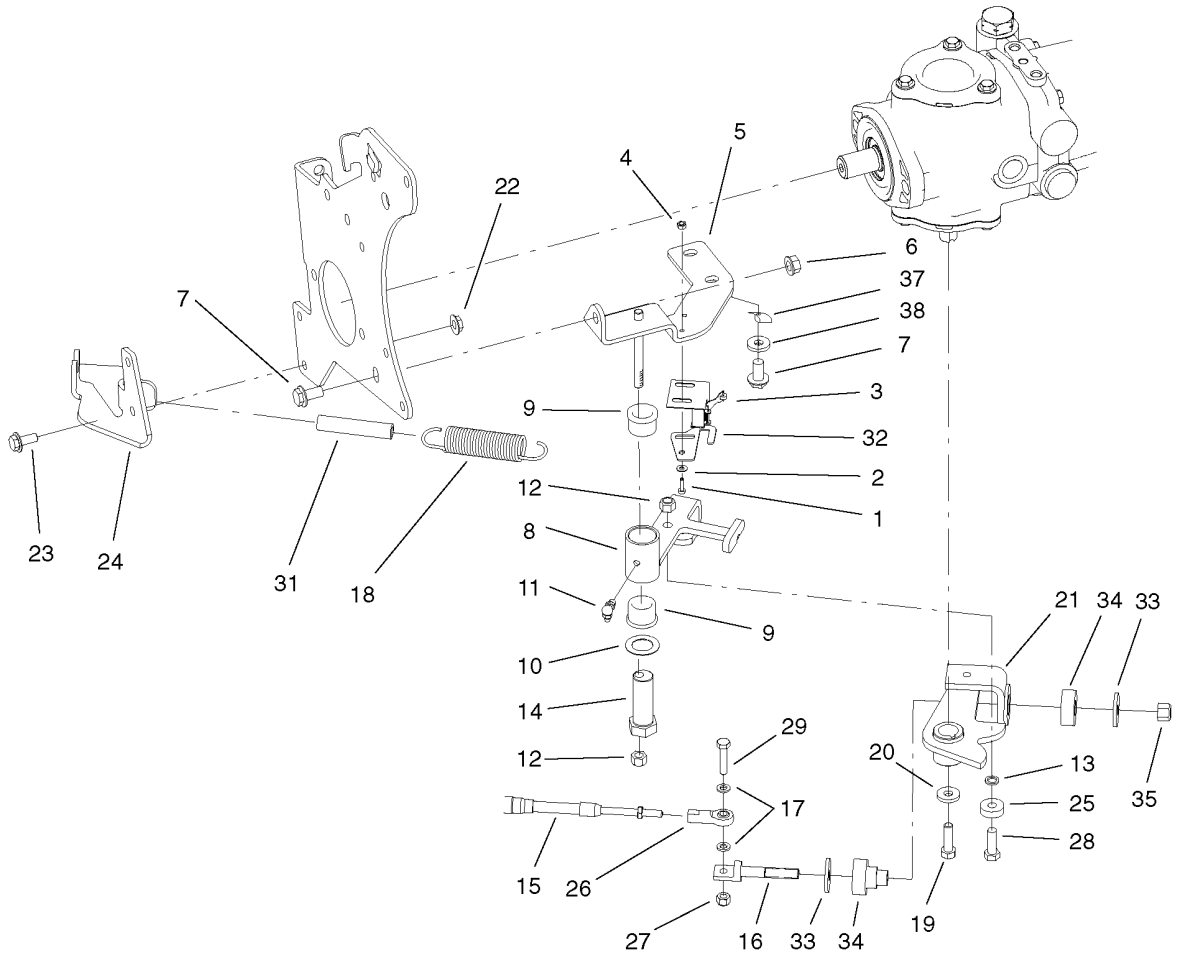
Ref.	*Part Number*	*Qty.*	*Description*
13	92-8916	1	Bolt-Shoulder
14	95-8634	4	Link
15	87-5150	3	Screw-HH
16	87-5140	3	Nut-Lock
17	93-3988	2	Nut-Push
18	353-397	1	Fitting-Hydraulic (Incl. Ref. #21)
19	3230-33	2	Screw-CARR
20	237-79	1	O-Ring
21	237-22	6	O-Ring
22	95-8792	1	Tube Assembly
23	95-8791	1	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 (model No. 03201)

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 (Incl. Ref. #27)
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
17	60-6450	0	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) ●

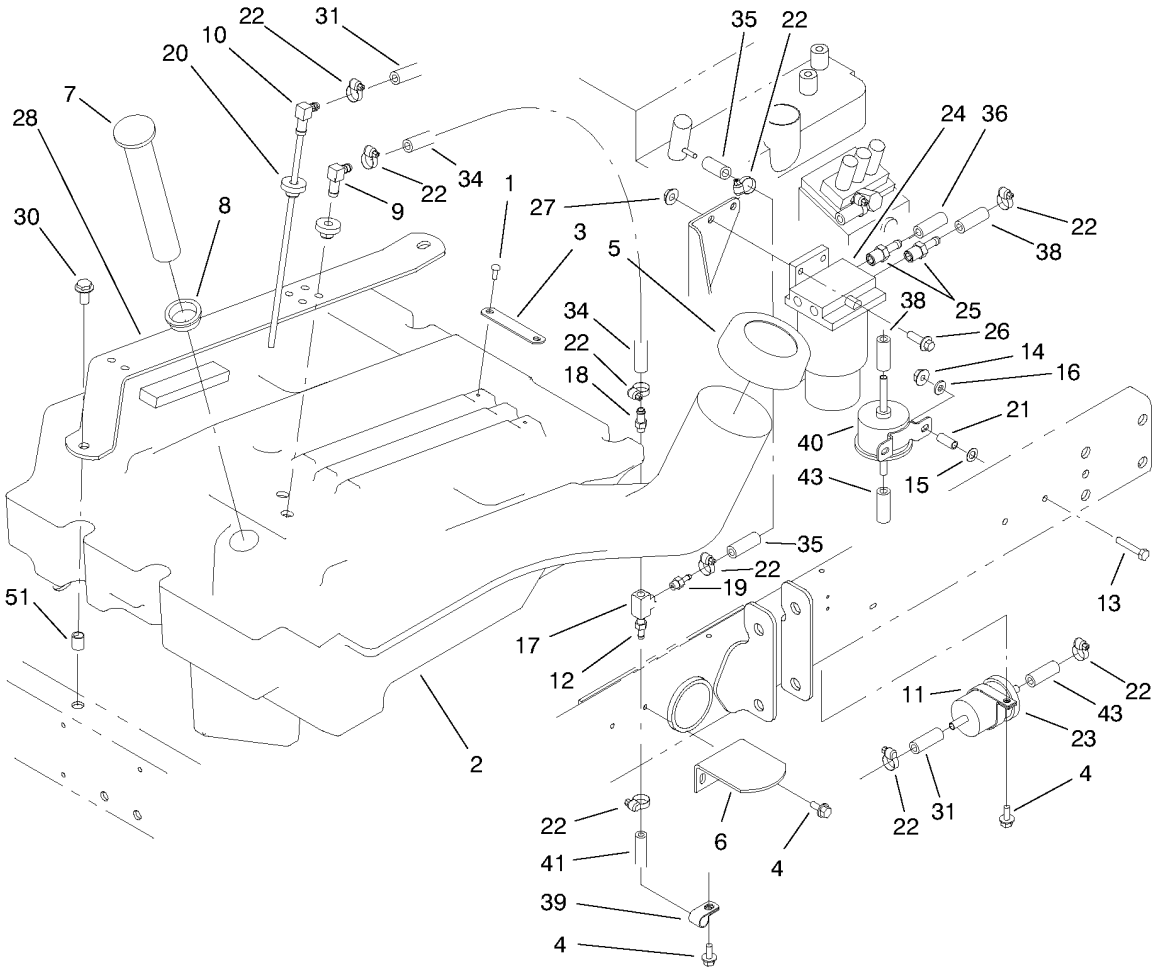
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Neutral Arm Assembly

Ref.	Part Number	Qty.	Description
1	32105-13	2	Screw-SHH
2	3256-14	2	Washer-Flat
3	92-7905	1	Switch Assembly
4	3296-2	2	Nut-Lock NI
5	95-8960-03	1	Bracket Assembly-Neutral
6	32128-43	1	Nut-Hex. Flange
7	3234-1	3	Screw-Hfh
8	95-8958-03	1	Neutral Arm Assembly
9	256-113	2	Bushing-Flange
10	3-6498	1	Washer-Thrust
11	302-60	1	Fitting-Grease, 90#
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	99-3591	1	Stud-Isolator
17	33093-00	2	Washer-Flat
18	94-1369	1	Spring-Extension

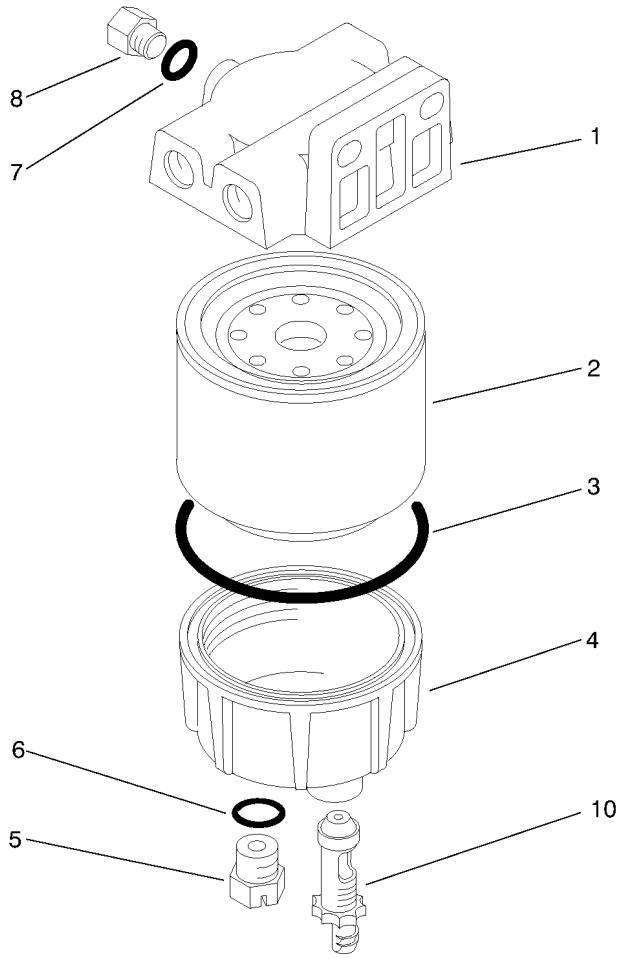
Ref.	Part Number	Qty.	Description
19	3210-6	1	Screw-HH
20	88-7200	1	Washer-Flat
21	99-3592-03	1	Lever Assembly-Pump
22	32128-44	2	Nut-Hex. Flange
23	3234-5	2	Screw-Hfh
24	99-3553-03	1	Bracket-Cable, Support
25	251-259	1	Bearing-Ball
26	2411-41	1	Rod End
27	3296-42	1	Nut-Lock NI
28	3274-104	1	Screw
29	321-8	1	Screw-HH
31	99-3556	1	Hose-Dampener
32	99-3549	1	Bracket-Adjuster
33	63-8410	2	Washer-Flat
34	95-2596	1	Mount-ISO
35	3296-39	1	Nut-Lock NI
37	2412-112	1	Clamp
38	3256-24	1	Washer-Flat



Fuel System Assembly

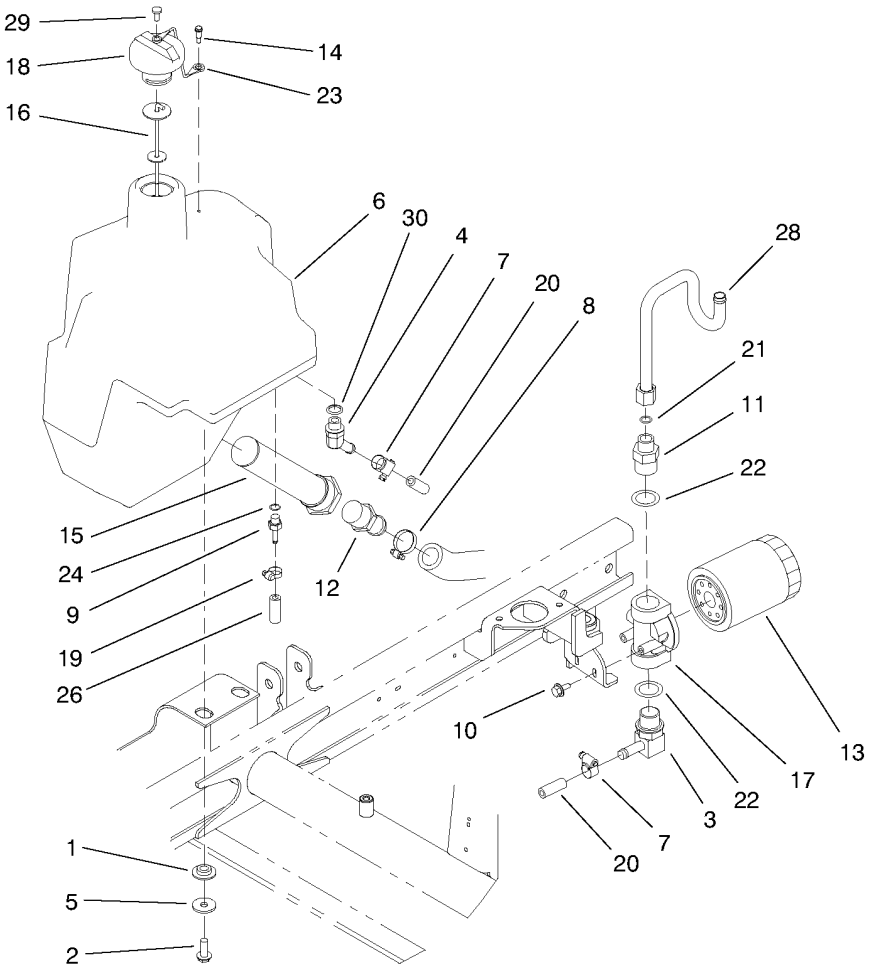
Ref.	Part Number	Qty.	Description
1	321-2	2	Screw-HH
2	95-8620	1	Tank-Fuel (Incl. Ref. #7 & 8)
3	95-8881	1	Strap-Fuel Line
4	32144-10	4	Screw-HH
5	95-4193	1	Gas Cap Assembly-Diesel
6	95-8968-03	1	Support-Fuel Tank
7	95-8971	1	Fuel-Gauge
8	95-8972	1	Grommet
9	46-6550	1	Fitting-Connector
10	66-8121	1	Standpipe
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
20	46-6560	2	Bushing

Ref.	Part Number	Qty.	Description
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	95-8731-03	2	Strap-Support, Seat
29	95-8896	2	Foam
30	3234-1	4	Screw-Hfh
31	71-3383	1	Hose
34	71-3380	1	Hose
35	99-3498	1	Hose
36	99-3554	1	Hose
38	63-9640	1	Hose
39	2412-73	1	Clamp-R
40	99-3464	1	Pump-Fuel
41	99-3499	1	Hose-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)
10	98-9777	1	Drain Valve Assembly

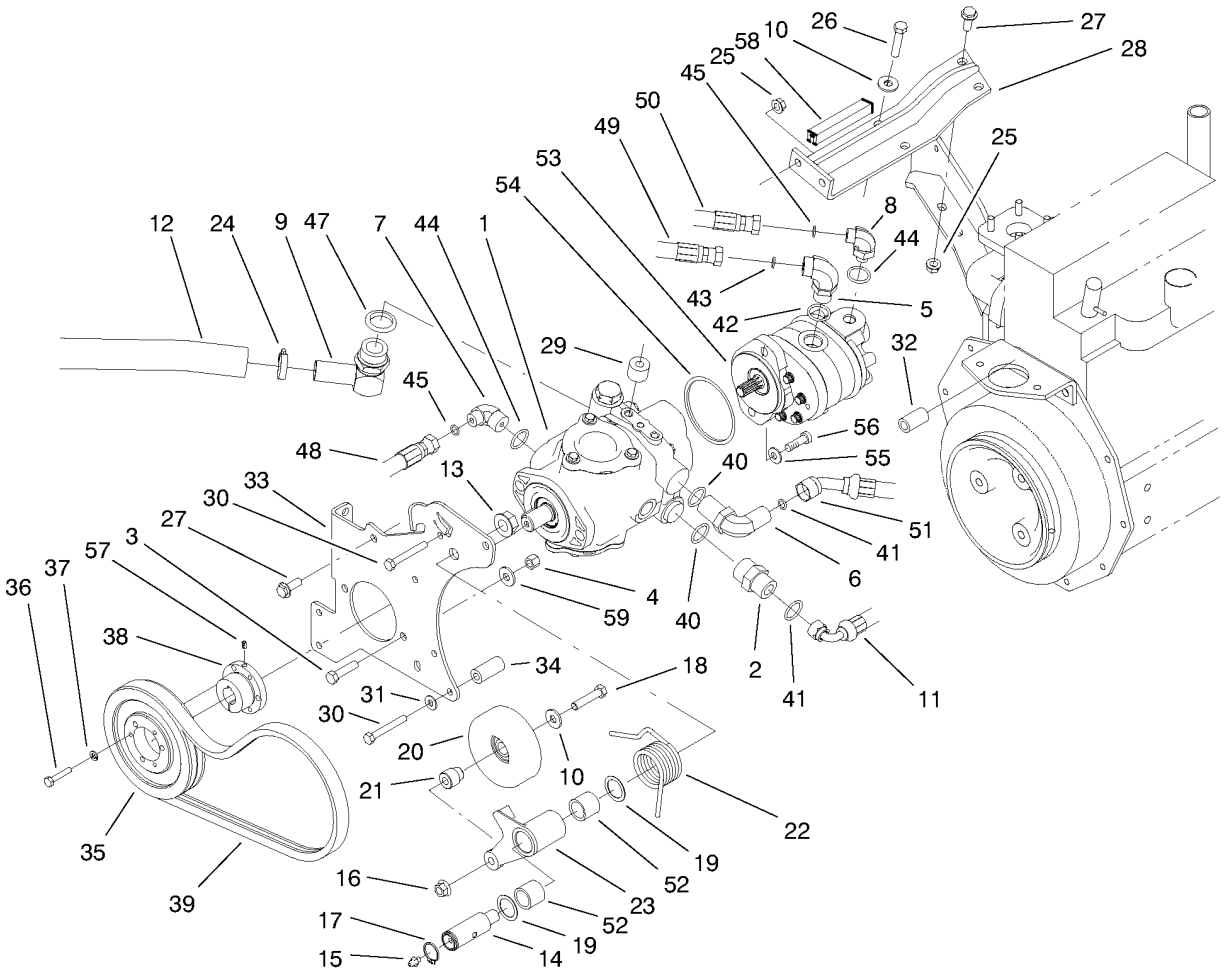


Hydraulic Tank Assembly

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 (Incl. Ref. #30)
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

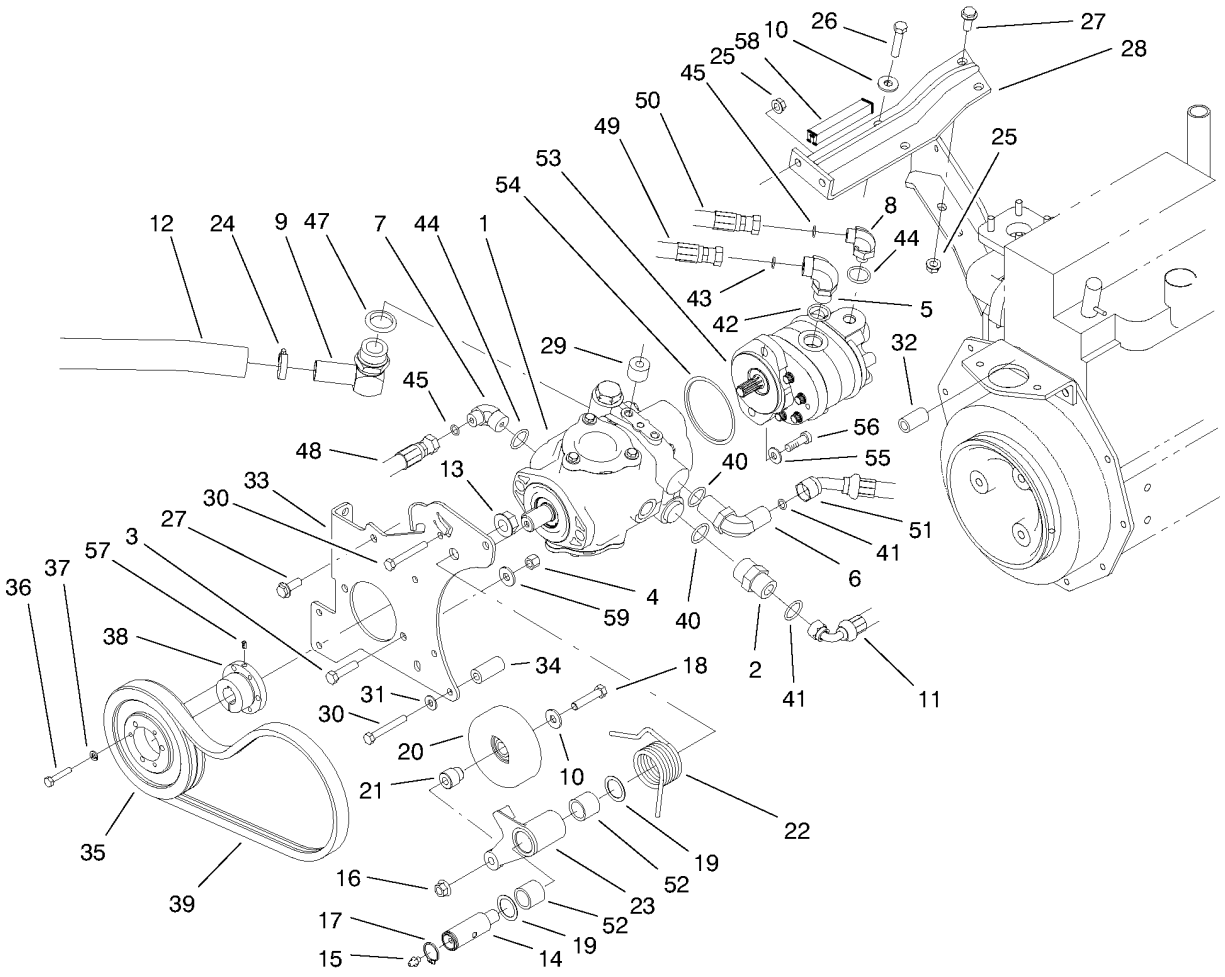
Ref.	Part Number	Qty.	Description
15	75-0550	1	Suction-Strainer
16	75-3710	1	Dipstick Assembly-Oil
17	92-5821	1	Filter Head Assembly
18	93-7160	1	Cap-Hydraulic Oil (Incl. Ref. #23 & 29)
19	2412-108	1	Clamp-Hose
20	99-3501	1	Hose
21	237-65	1	O-Ring
22	237-81	2	O-Ring
23		1	Tether ●
24	237-78	1	O-Ring
26	66-8160	1	Hose
28	95-8704	1	Tube Assembly
29		1	Plug ●
30	237-79	1	O-Ring

● à Not Serviced Separately



Hydrostat Assembly

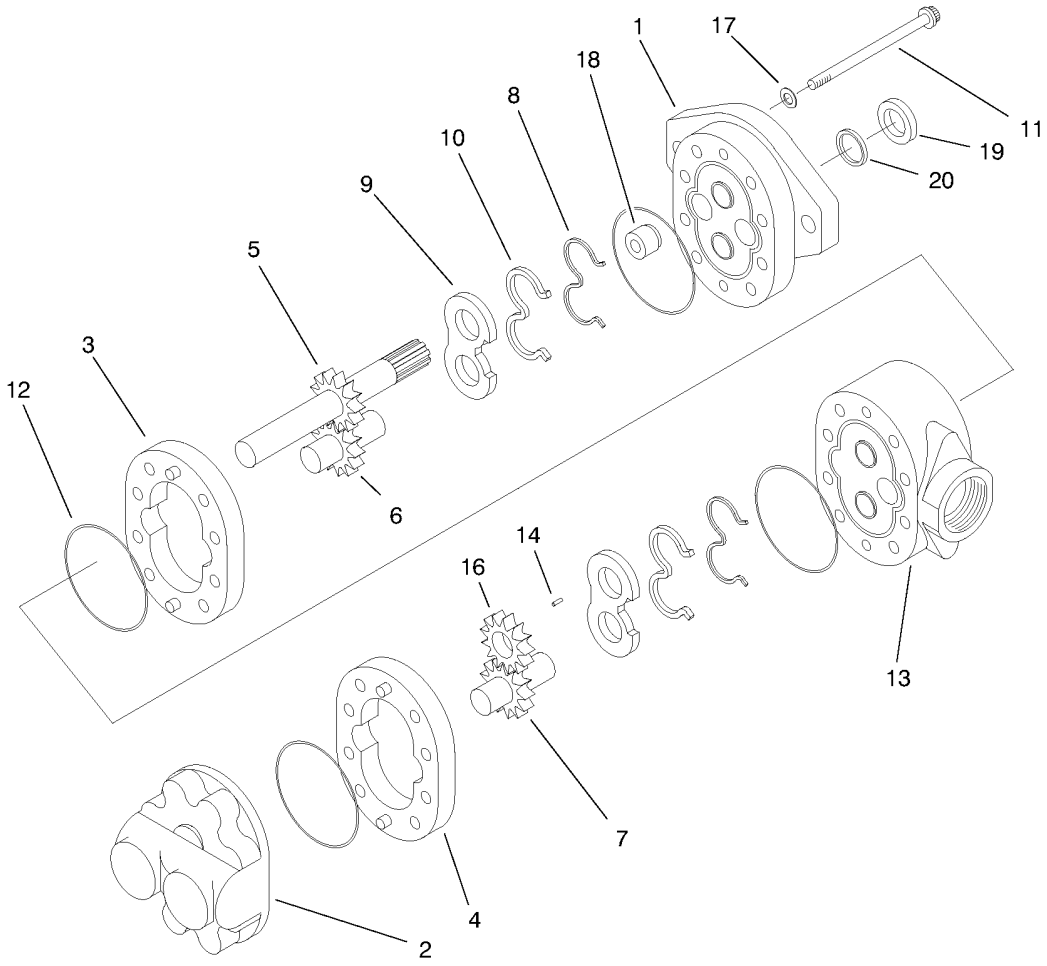
Ref.	Part Number	Qty.	Description
1	100-4819	1	Pump-Piston
2	340-8	1	Fitting-Hydraulic, Straight (Incl. Ref. #40 & 41)
3	323-8	2	Screw-HH
4	3296-39	2	Nut-Hex. Lock
5	340-105	1	Fitting-Hydraulic, 90# (Incl. Ref. #42 & 43)
6	340-139	1	Fitting-Hydraulic, 90# (Incl. Ref. #40 & 41)
7	340-18	1	Fitting-Hydraulic, 90# (Incl. Ref. #44 & 45)
8	340-77	1	Fitting-Hydraulic, 90# (Incl. Ref. #45 & 46)
9	56-9530	1	Fitting-Hydraulic, 90# (Incl. Ref. #47)
10	80-6990	3	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	99-3436-03	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	95-8933-03	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

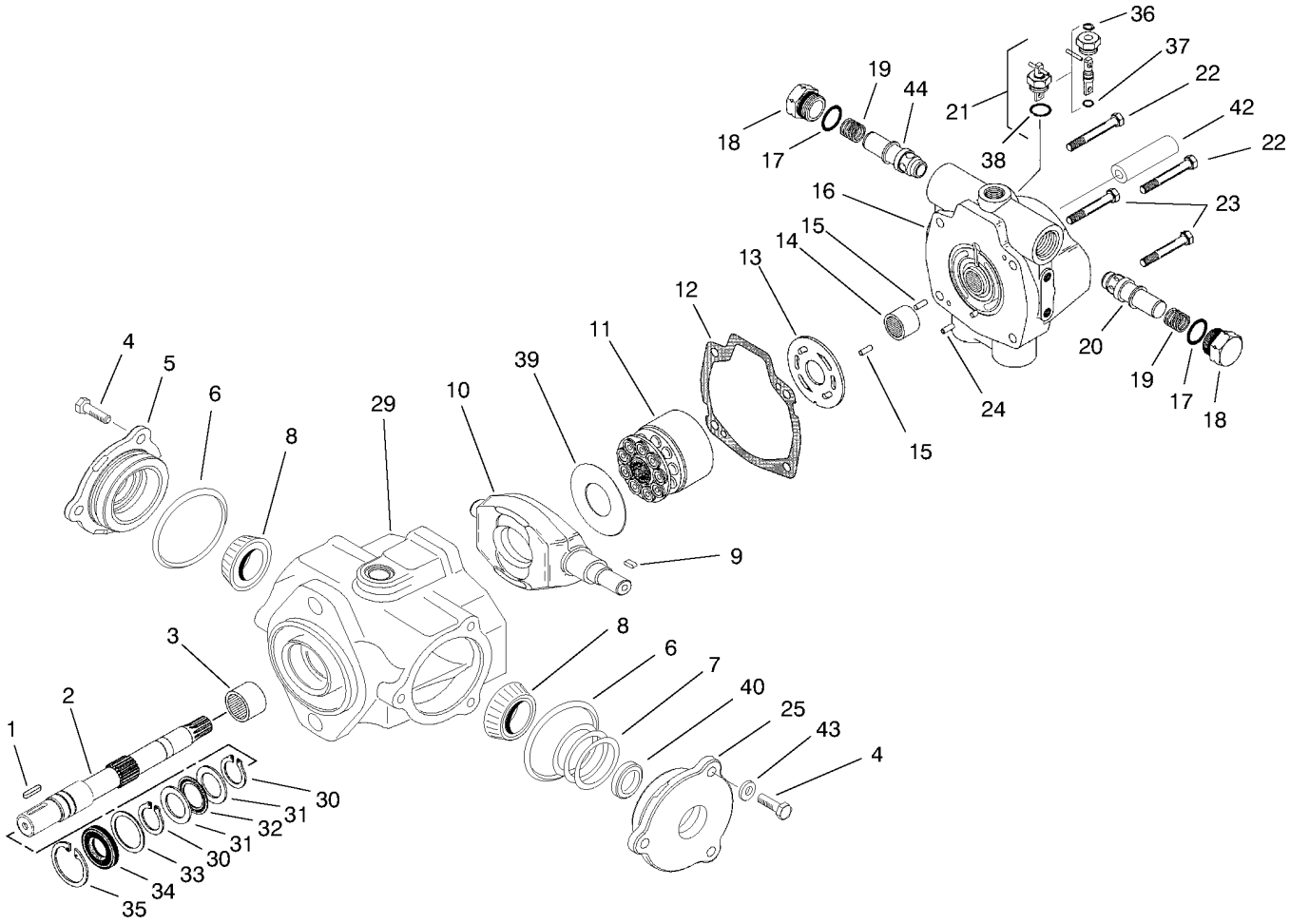
Ref.	Part Number	Qty.	Description
54	60-3520	1	O-Ring
55	3256-24	2	Washer-Flat
56	3274-1	2	Screw-HSH
57	3245-36	1	Screw-Set
58	70-2041	1	Trim
59	100-4852	2	Washer-Hardened



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

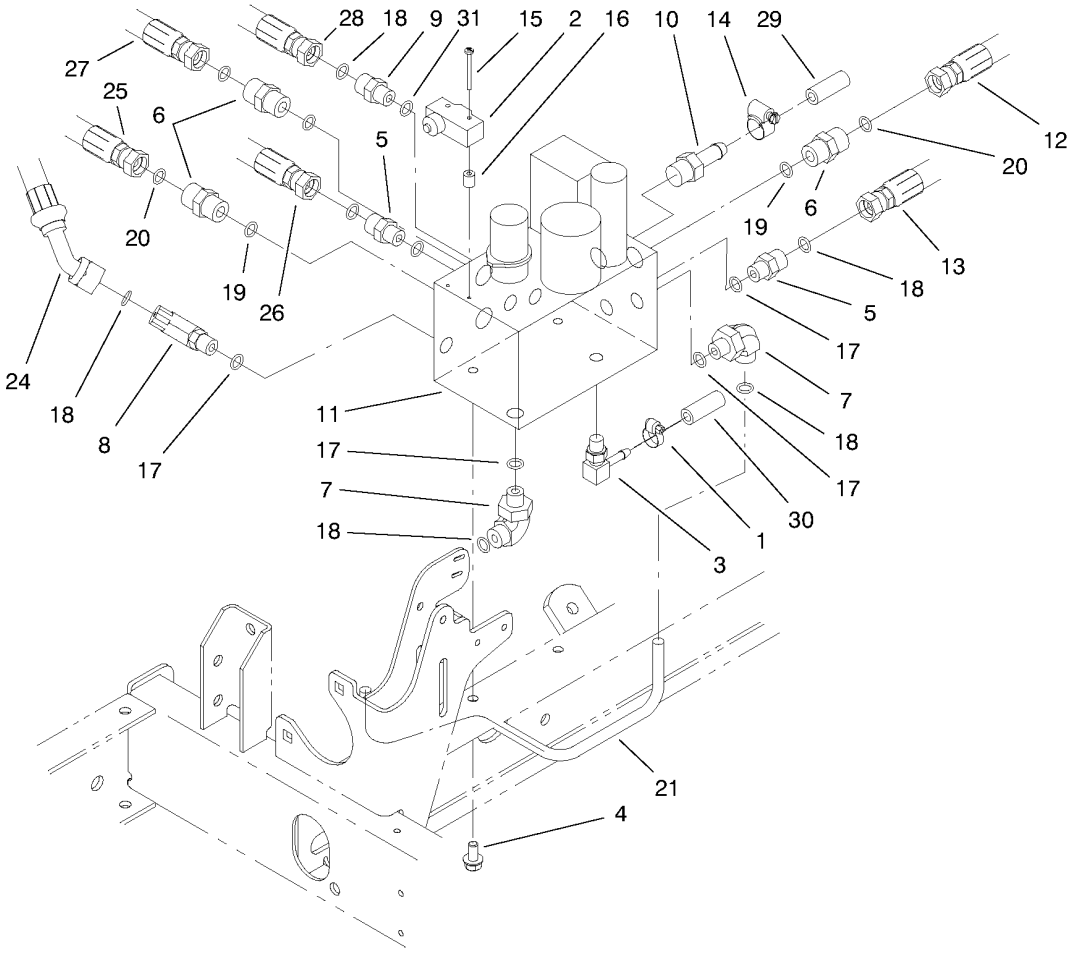


Piston Pump Assembly No. 100-4819

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	100-3179	2	O-Ring
7	100-3182	0	Shim Kit
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	100-3177	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	100-3181	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	98-4645	1	Cover Plate
29	100-3176	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) ●

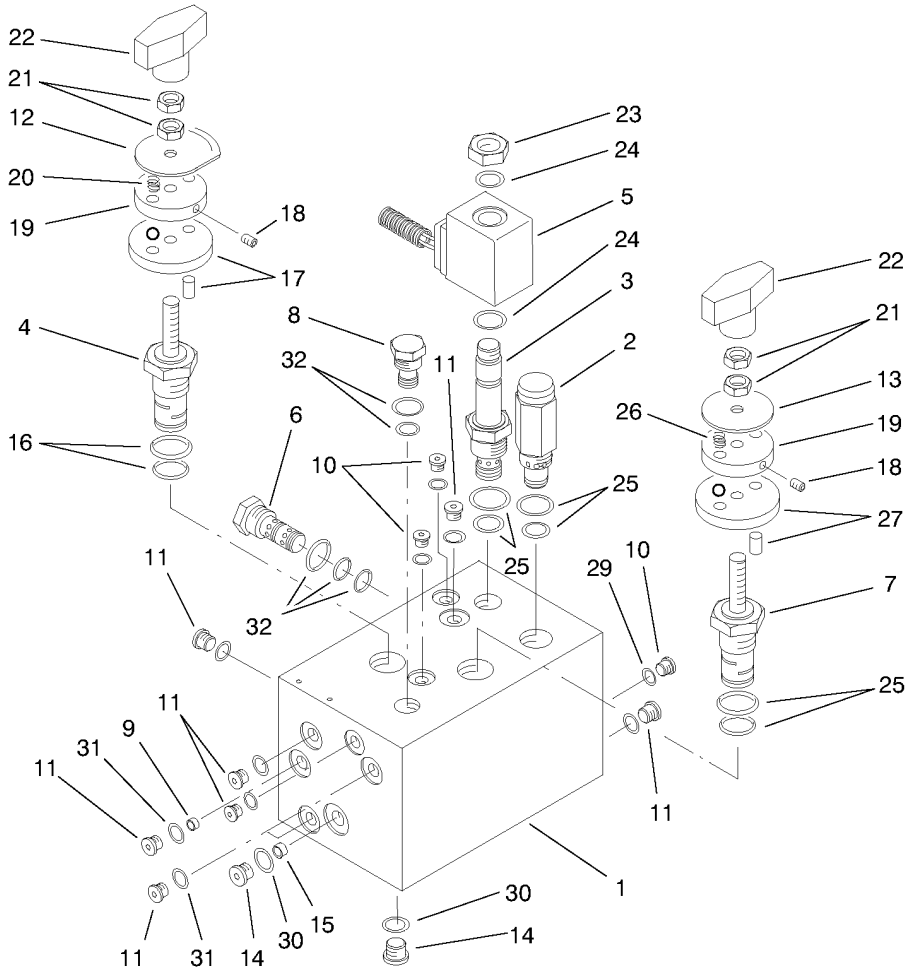
● * Not Illustrated



Manifold Block Assembly

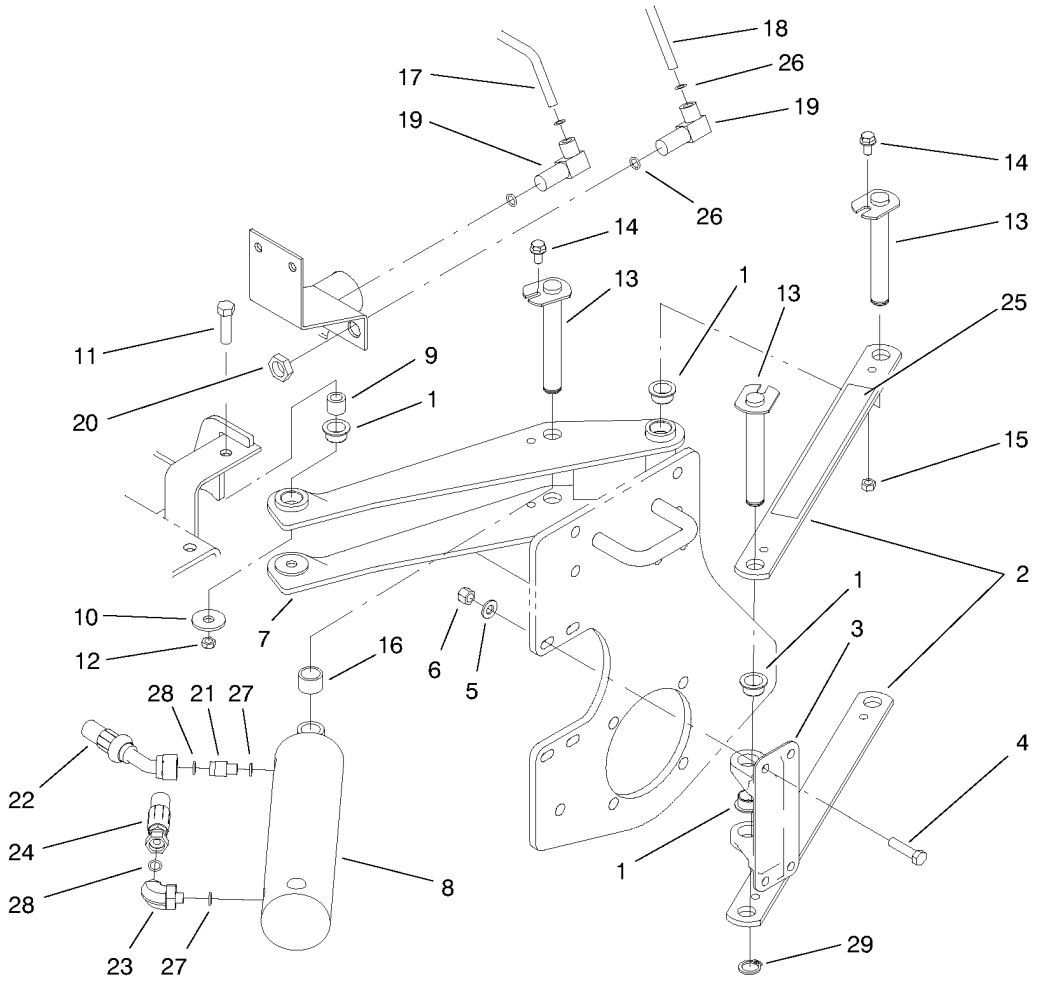
Ref.	Part Number	Qty.	Description
1	2412-108	1	Clamp-Hose
2	29-6162	1	Switch-Micro
3	304-99	1	Fitting-Barb
4	3234-5	2	Screw-Hfh
5	340-2	2	Fitting-Hydraulic, Straight (Incl. Ref. #17 & 18)
6	340-4	3	Straightfitting-Hydraulic, (Incl. Ref. #19 & 20)
7	340-77	2	Fitting-Hydraulic, 90# (Incl. Ref. #17 & 18)
8	340-87	1	Fitting-Hydraulic, 45# (Incl. Ref. #17 & 18)(Model No. 03201)
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	99-3551	1	Tube Assembly (Model No. 03200)

Ref.	Part Number	Qty.	Description
21	95-8792	1	Tube Assembly (Model No. 03201)
24	99-3576	1	Hose Assembly (Model No. 03200)
24	95-8823	1	Hose Assembly (Model No. 03201)
25	99-3578	1	Hose Assembly (Model No. 03200)
25	95-8824	1	Hose Assembly (Model No. 03201)
26	99-3579	1	Hose Assembly (Model No. 03200)
26	95-8821	1	Hose Assembly (Model No. 03201)
27	99-3574	1	Hose Assembly (Model No. 03200)
27	95-8820	1	Hose Assembly (Model No. 03201)
28	99-3577	1	Hose Assembly (Model No. 03200)
28	95-8825	1	Hose Assembly (Model No. 03201)
29	99-3500	1	Hose
30	66-8160	1	Hose
31	237-78	1	O-Ring



Hydraulic Manifold Assembly No. 95-8675

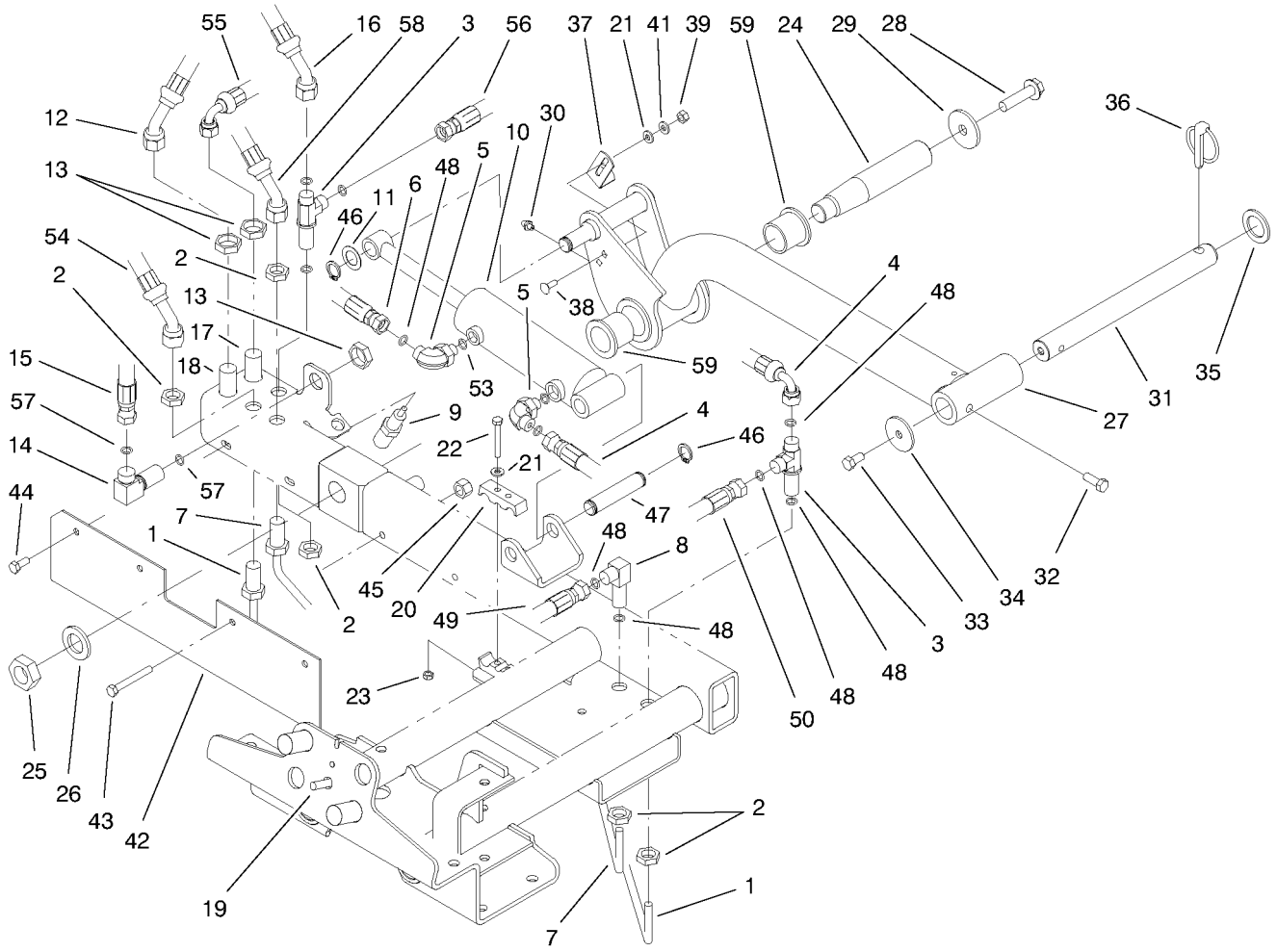
Ref.	Part Number	Qty.	Description
1		1	Body-Manifold
2	94-3655	1	Assembly-Cartridge Valve (Incl. Ref. #25)
3	93-7494	1	Assembly-Spool (Incl. Ref. #23-25)
4	94-3657	1	Assembly-Spool (Incl. Ref. #16)
5	83-2010	1	Assembly-Coil (Incl. Ref. #24)
6	69-4120	1	Assembly-Cartridge Valve (Incl. Ref. #32)
7	94-3659	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 (model No. 03201 Only)

Ref.	Part Number	Qty.	Description
1	95-8526	6	Bushing-Plastic
2	95-8527-03	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	95-8521-03	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

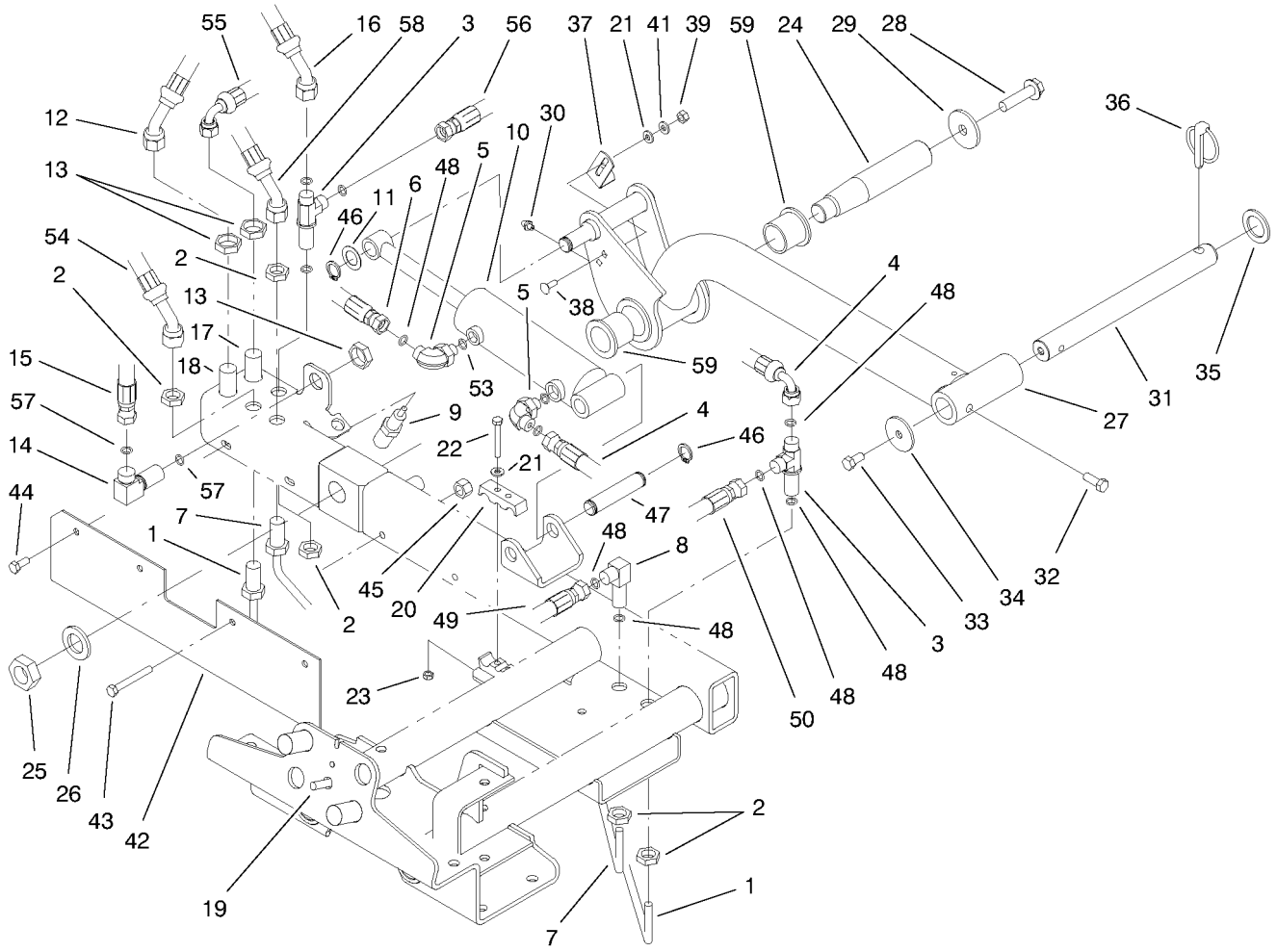
Ref.	Part Number	Qty.	Description
17	95-8790	1	Tube Assembly
18	95-8791	1	Tube Assembly
19	340-154	2	Fitting-Hydraulic, 90# (Incl. Ref. #26)
20	340-70	2	Nut-Lock, Bulkhead
21	85-9720	1	Fitting-Hydraulic, Straight (Incl. Ref. #27 & 28)
22	95-8838	1	Hose
23	340-132	1	Fitting-Hydraulic, 90# (Incl. Ref. #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, 90# (Incl. Ref. #48 & 53)
6	99-3576	1	Hose Assembly (Model No. 03200)
6	95-8823	1	Hose Assembly (Model No. 03201)
7	95-8983	1	Tube Assembly
8	340-154	1	Fitting-Hydraulic, 90# (Incl. Ref. #48)
9	93-6762	1	Switch-Push Button
10	95-8978	1	Cylinder-Hydraulic
11	3-6498	1	Washer-Thrust
12	99-3574	1	Hose Assembly (Model No. 03200)
12	95-8820	1	Hose Assembly (Model No. 03201)
13	340-127	3	Nut-Bulkhead
14	93-9151	1	Fitting-Hydraulic (Incl. Ref. #57)
15	99-3578	1	Hose Assembly (Model No. 03200)
15	95-8824	1	Hose Assembly (Model No. 03201)

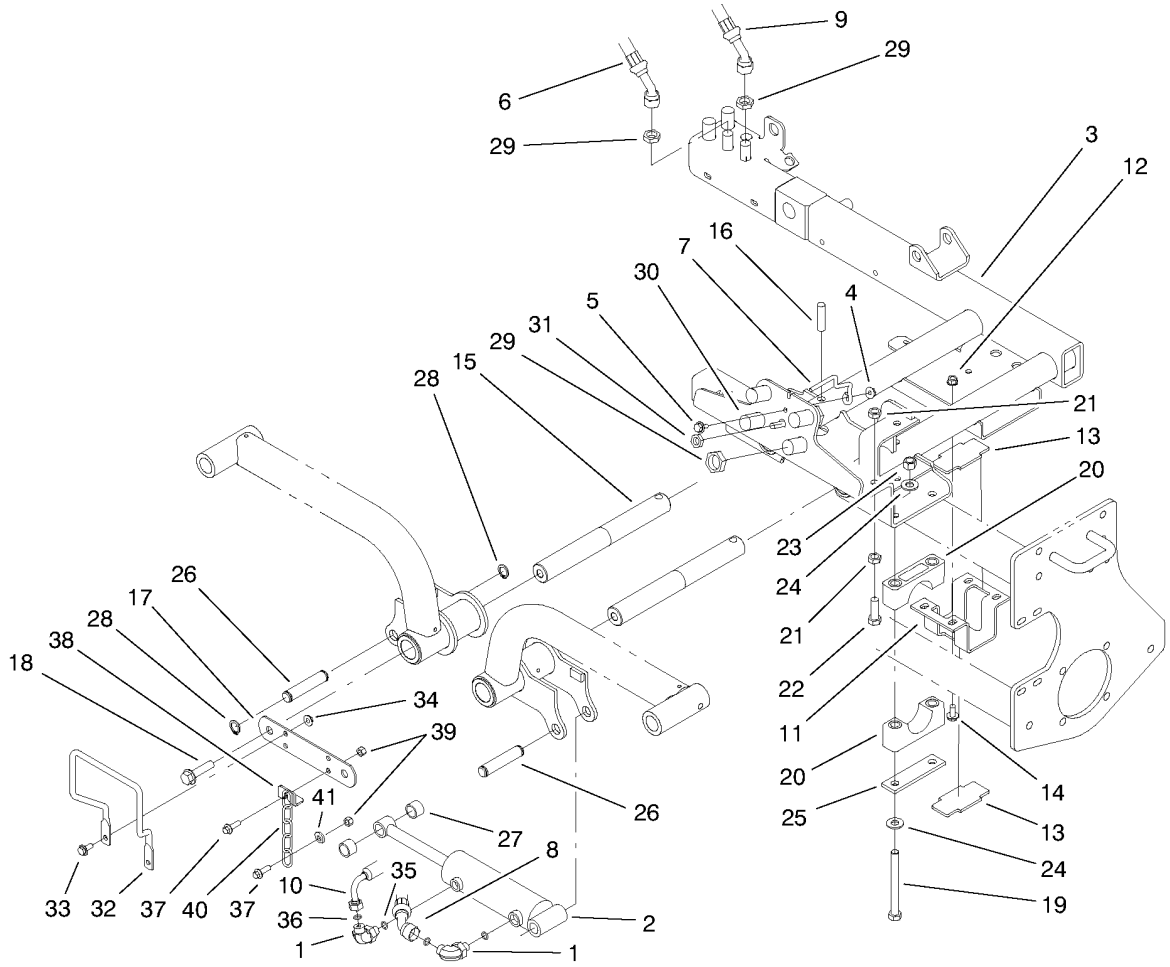
Ref.	Part Number	Qty.	Description
16	99-3577	1	Hose Assembly (Model No. 03200)
16	95-8825	1	Hose Assembly (Model No. 03201)
17	95-8980	1	Tube Assembly
18	95-8981	1	Tube Assembly
19	95-8982	1	Tube Assembly
20	93-2509	2	Clamp-Tube
21	3256-22	6	Washer-Flat
22	321-11	2	Screw-HH
23	3296-42	2	Nut-Hex. Lock
24	95-8990	1	Shaft-Pivot, Rear
25	3220-9	1	Nut-Hex. Jam
26	86-1480	1	Washer
27	95-8985	1	Lift Arm Assembly (Incl. Ref. #59)
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.



Rear Lift Arm Assembly (continued)

Ref.	Part Number	Qty.	Description
41	3253-3	2	Washer-Lock
42	95-8591-03	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	99-3575	1	Hose Assembly (Model No. 03200)

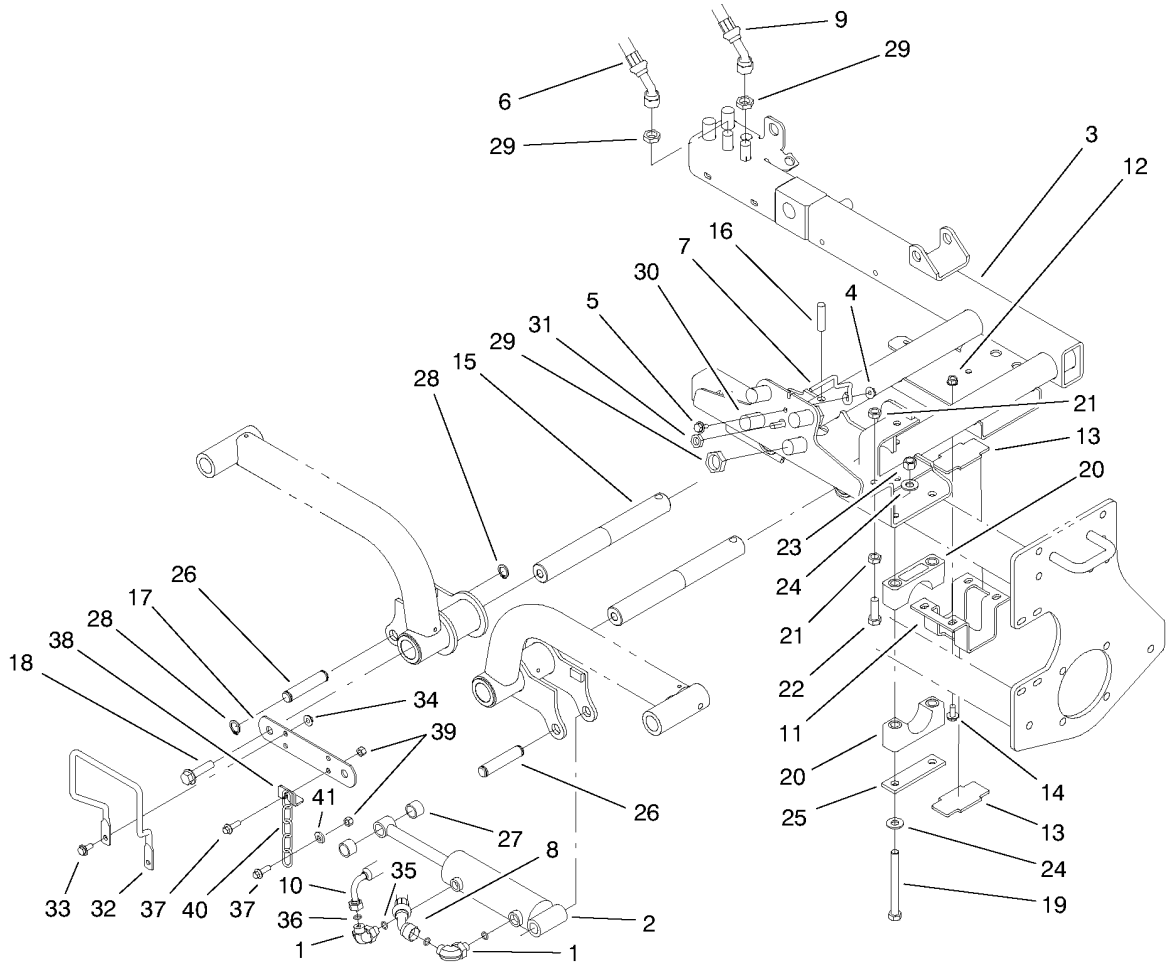
Ref.	Part Number	Qty.	Description
54	95-8822	1	Hose Assembly (Model No. 03201)
55	95-8826	1	Hose Assembly
56	95-8828	1	Hose Assembly
57	237-30	2	O-Ring
58	99-3579	1	Hose Assembly (Model No. 03200)
58	95-8821	1	Hose Assembly (Model No. 03201)
59	69-6470	2	Bushing



Carrier Assembly

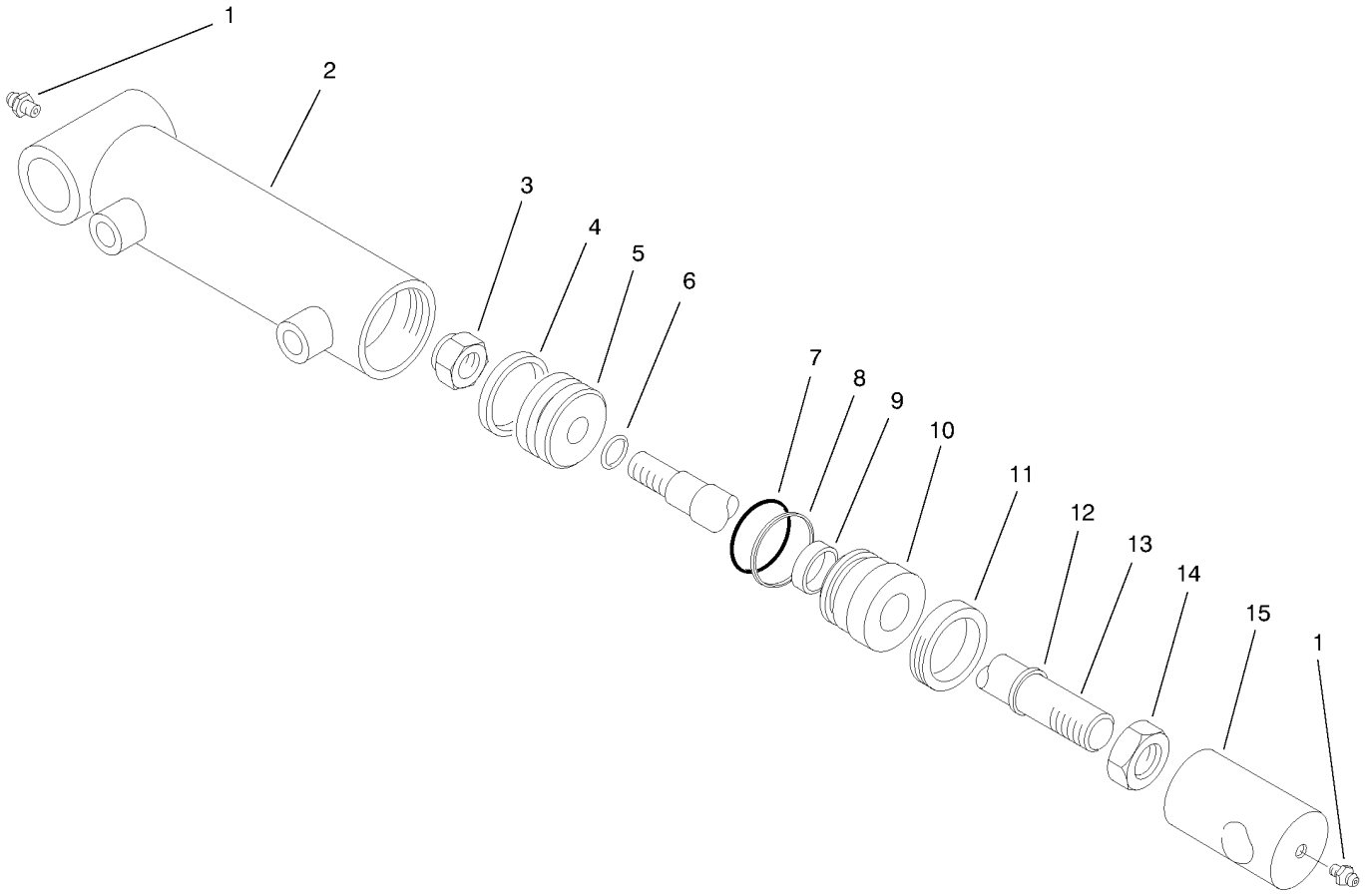
Ref.	Part Number	Qty.	Description
1	340-77	2	Fitting-Hydraulic, 90# (Incl. Ref. #35 & 36)
2	95-8978	1	Cylinder-Hydraulic
3	95-8973-03	1	Carrier Assembly
4	32128-33	1	Nut-Hex. Flange (Model 03201)
5	3234-4	1	Screw-Hfh (Model 03201)
6	99-3575	1	Hose Assembly (Model No. 03200)
6	95-8822	1	Hose Assembly (Model No. 03201)
7	99-3433	1	Wire-Centering (Model 03201)
8	99-3439	1	Hose Assembly
9	99-3579	1	Hose Assembly (Model No. 03200)
9	95-8821	1	Hose Assembly (Model No. 03201)
10	95-8840	1	Hose Assembly
11	95-8904-03	1	Bracket-Clamp (Model No. 03200)
11	95-8519	1	Bracket-Slide (Model No. 03201)
12	32128-43	4	Nut-Hex. Flange
13	95-8538	1	Slide-Plastic (Model No. 03200)
13	95-8538	2	Slide-Plastic (Model No. 03201)

Ref.	Part Number	Qty.	Description
14	3234-1	4	Screw-Hfh
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-Hfh
19	325-19	4	Screw-HH
20	95-8884	4	Clamp (Model No. 03200)
20	95-8609	4	Cap-Bearing (Model No. 03201)
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 (Model No. 03201)
33	3234-5	2	Screw-Hfh (Model No. 03201)
34	32128-44	2	Nut-Hex. Flange (Model No. 03201)
35	237-42	2	O-Ring
36	237-22	2	O-Ring



Carrier Assembly (continued)

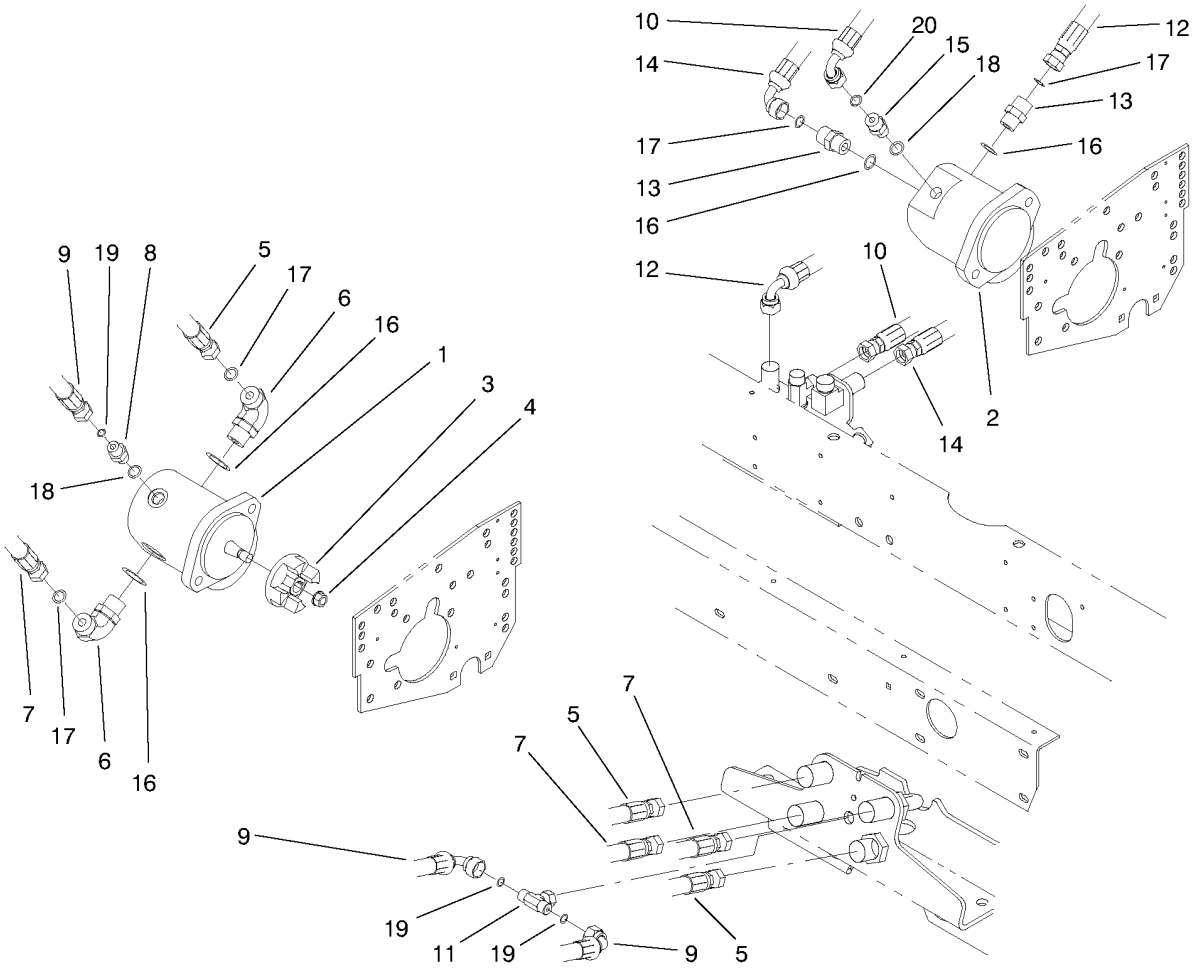
Ref.	Part Number	Qty.	Description
37	3234-17	4	Screw-Hfh
38	99-3550	2	Clip-Link
39	3296-29	4	Nut-Hex.
40	98-7981	2	Chain-Straight Link
41	3256-23	2	Washer-Plain



Hydraulic Cylinder Assembly No. 95-8978

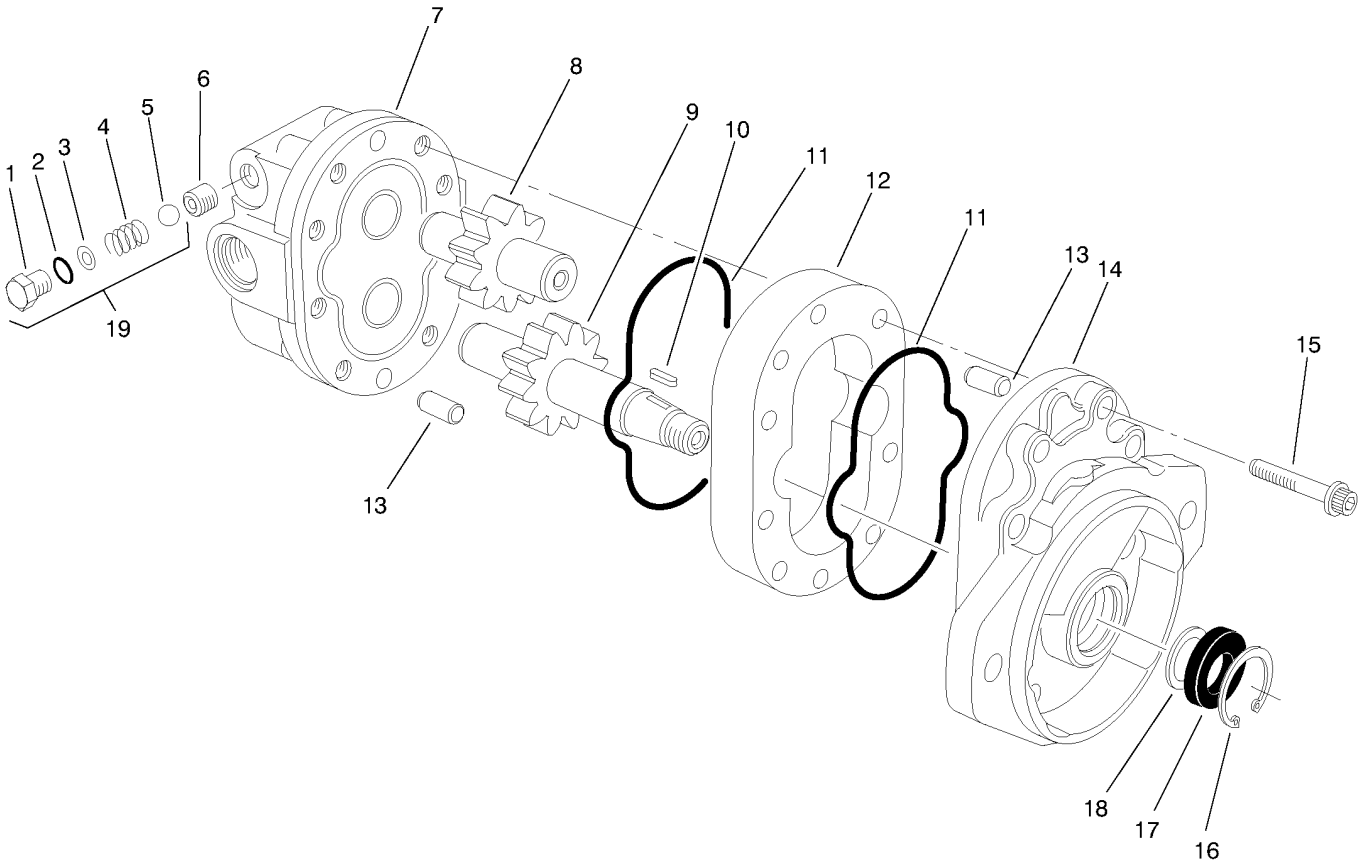
Ref.	*Part Number*	*Qty.*	*Description*
1	302-5	2	Fitting-Grease
2		1	Barrel W/Clevis
3	32152-10	1	Nut
4		1	Uniring
5	52-1990	1	Piston
6		1	O-Ring
7		1	O-Ring
8		1	Ring-Backup
9		1	Seal-Rod
10	65-4860	1	Head
11	99-3532	1	Collar-Internal
12		1	Seal-Dust
13	99-3534	1	Shaft
14	3220-6	1	Nut
15	99-3533	1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

● * Not Illustrated



Cutting Unit Drive Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	99-3627	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, 90# (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

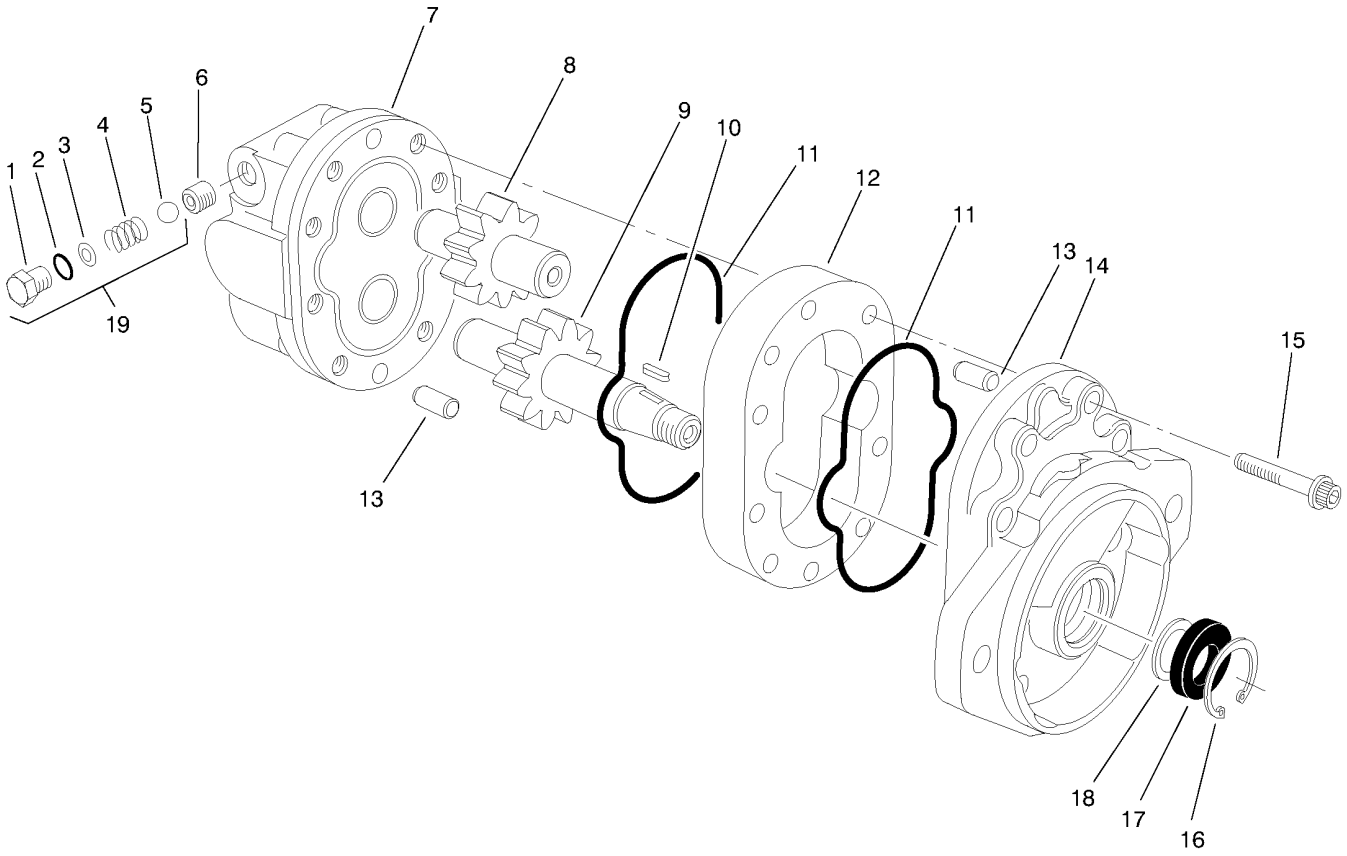


Hydraulic Motor Assembly No. 99-3627

Ref.	*Part Number*	*Qty.*	*Description*
1		2	Plug ■
2		2	O-Ring ■
3		0	Shim ■
4		2	Spring ■
5		2	Ball ■
6		2	Seal-Relief Valve ■
7		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		1	Asm-Relief Valve (Incl. Ref. #1-5)
*		1	Kit-Seal Repair (Incl. Ref. #2, 11, 16, & 17) ●

● * Not Illustrated

■ à Not Serviced Separately

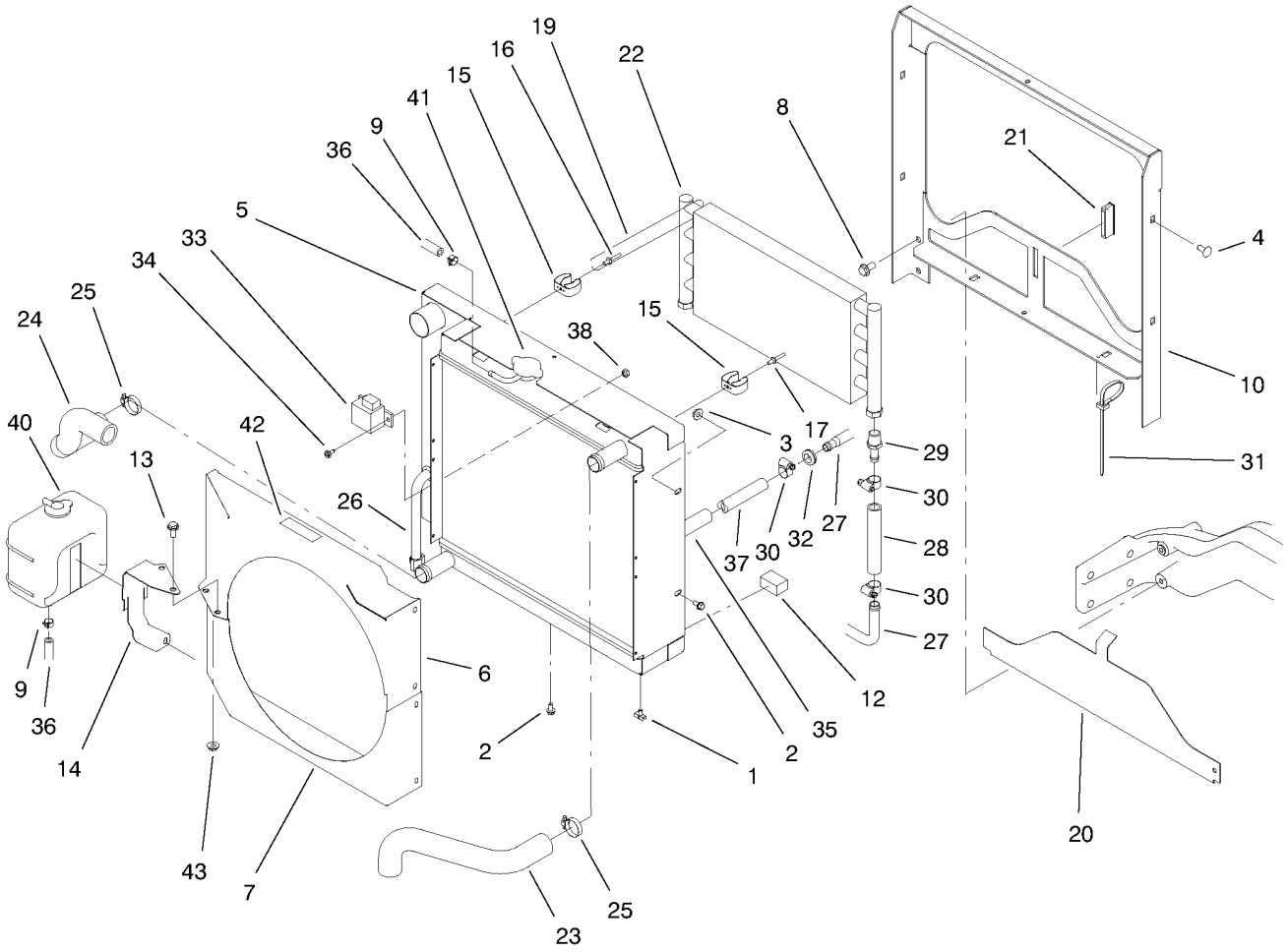


Hydraulic Motor Assembly No. 93-6975

Ref.	*Part Number*	*Qty.*	*Description*
1		2	Plug ■
2		2	O-Ring ■
3		0	Shim ■
4		2	Spring ■
5		2	Ball ■
6		2	Seal-Relief Valve ■
7		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		1	Asm-Relief Valve (Incl. Ref. #1-5)
*		1	Kit-Seal Repair (Incl. Ref. #2, 11, 16, & 17) ●

● * Not Illustrated

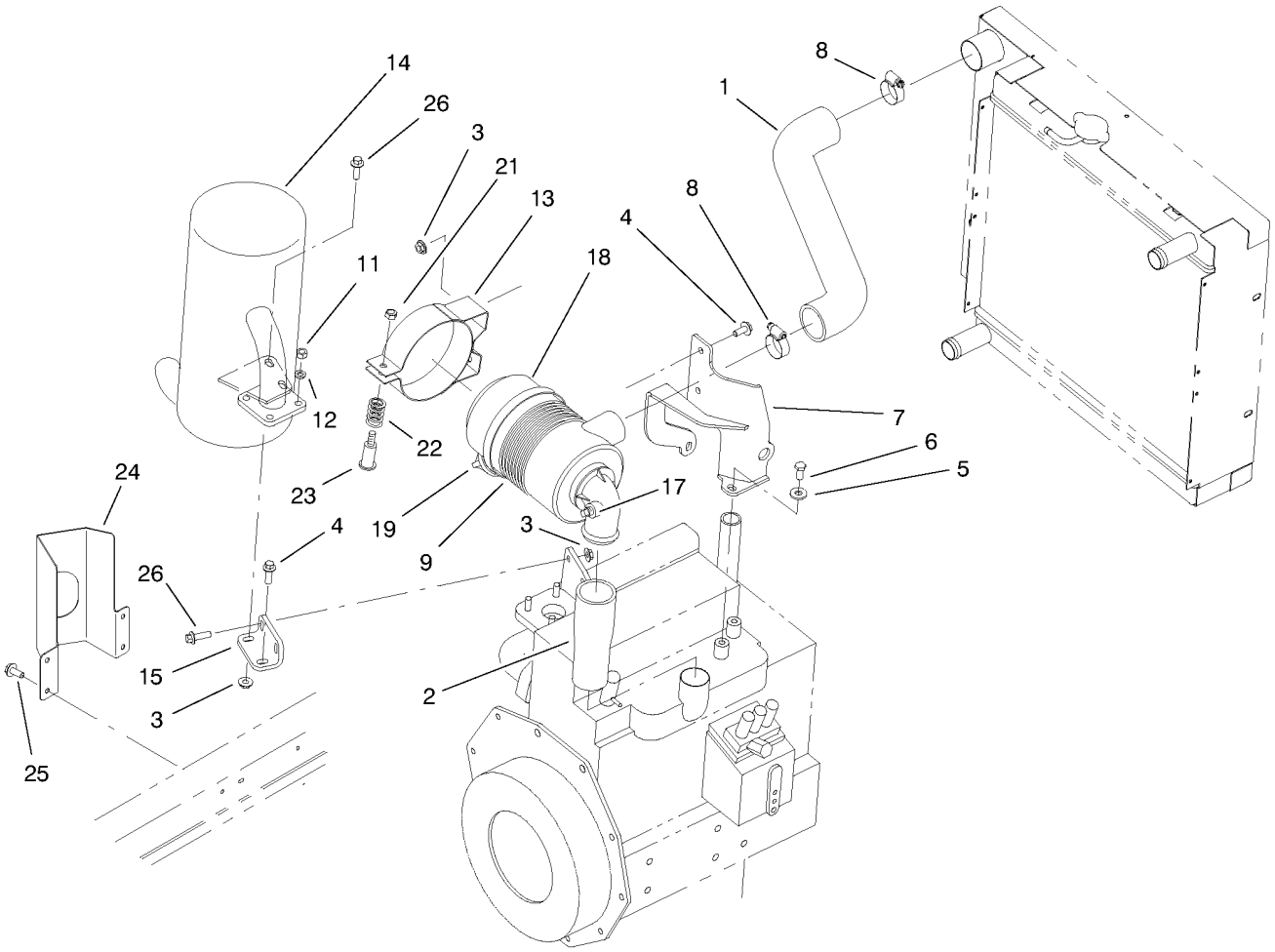
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Radiator Assembly

Ref.	Part Number	Qty.	Description
1	304-46	1	Valve-Drain Cock
2	32104-116	10	Screw-Hfh
3	32128-44	6	Nut-Hex. Flange
4	3230-1	4	Screw-CARR
5	95-8934	1	Radiator (Incl. Ref. #41)
6	99-3580	1	Shroud-Fan, Top (Incl. Ref. #42)
7	99-3360-03	1	Shroud-Fan
8	3234-1	4	Screw-Hfh
9	92-2379	2	Clamp-Hose
10	95-8695-03	1	Frame Assembly-Radiator
12	95-8962	2	Seal-Radiator
13	3234-5	2	Screw-Hfh
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	Frame-Screen, Lower
21	99-3497	1	Catch-Magnetic
22	75-1040	1	Cooler-Oil

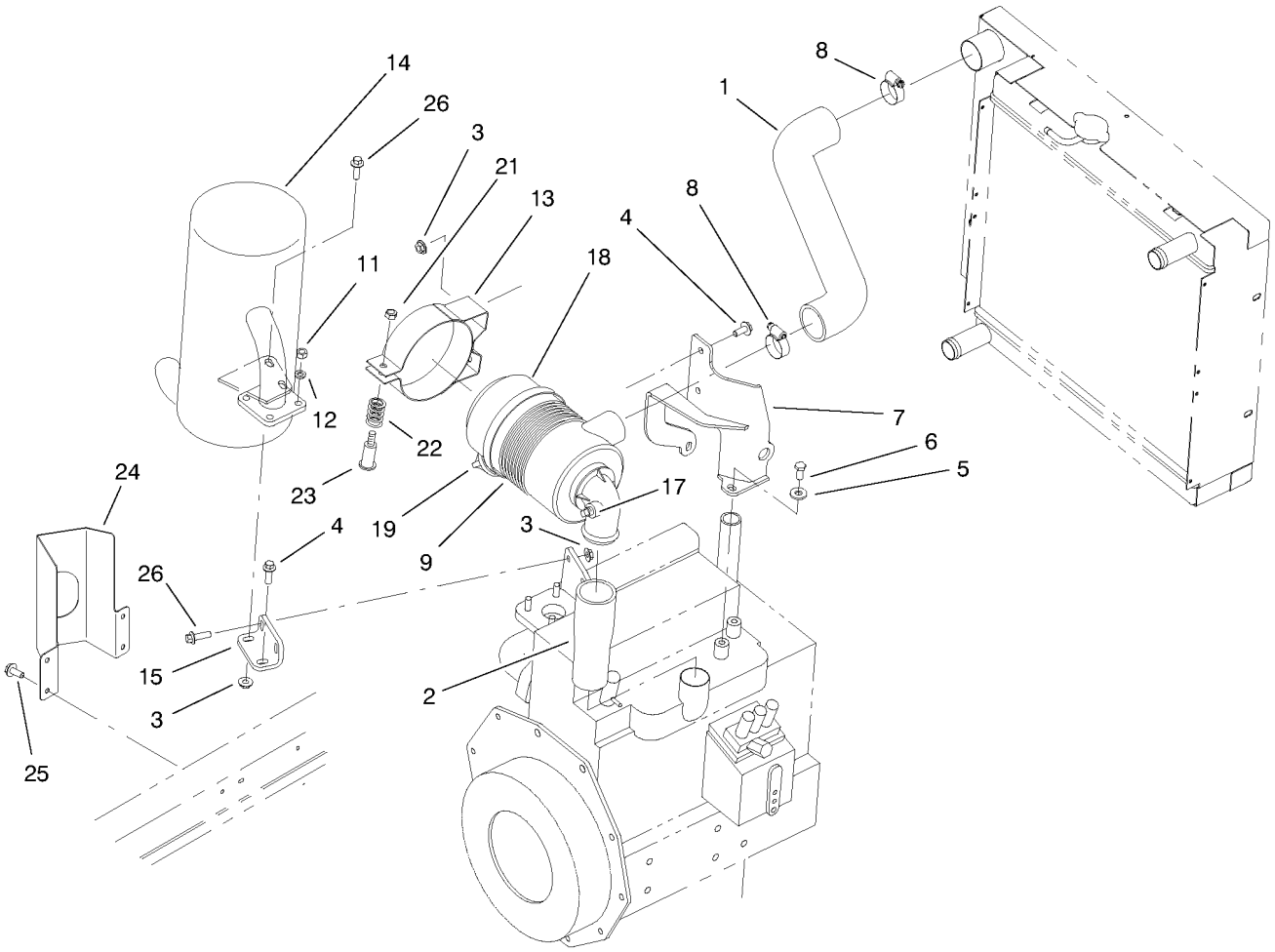
Ref.	Part Number	Qty.	Description
23	95-8944	1	Hose-Radiator, Upper
24	95-8945	1	Hose-Radiator, Lower
25	2412-34	2	Clamp-Hose
26	95-8704	1	Tube-Hydraulic
27	95-8705	1	Tube-Hydraulic
28	95-8706	2	Hose-Hydraulic
29	95-8710	2	Fitting-Barb
30	2412-36	5	Clamp-Hose
31	3290-378	2	Tie-Cable
32	99-3481	2	Grommet
33	66-8800	1	Relay-Glow Plug
34	32105-13	2	Screw-Thread Form
35	56-7985	1	Sleeve
36	63-7623	1	Hose
37	99-3500	1	Hose
38	3296-2	2	Nut-Lock NI
40	98-9323	1	Reservoir
41	93-5957	1	Cap-Radiator
42	93-6681	1	Decal-Warning, Fan
43	32128-20	2	Nut-Hex. Flange



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	3	Screw-Hfh
5	3256-23	2	Washer-Plain
6	33114-016	2	Screw-HH
7	99-3355-03	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	95-8943-03	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	99-3425-03	1	Guard-Exhaust (Europe)

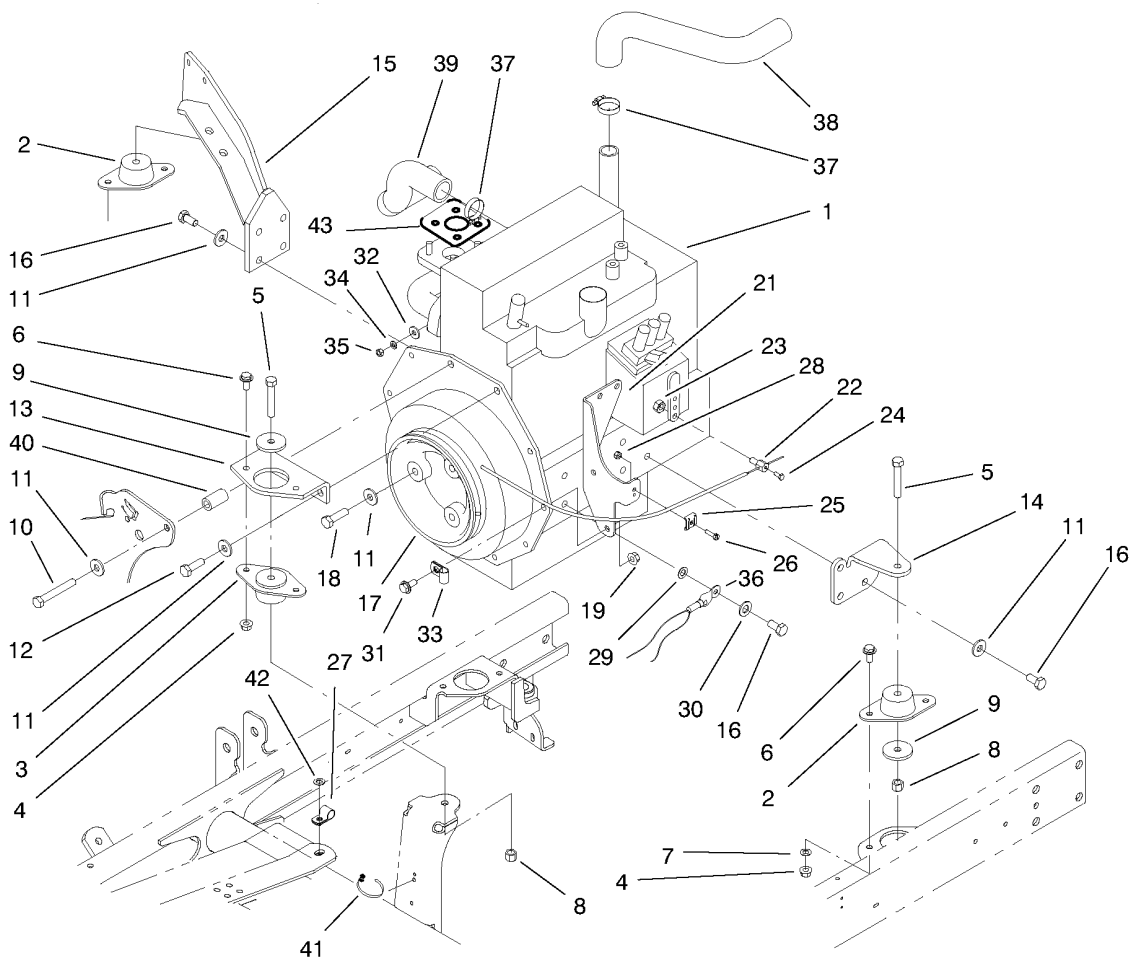
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Muffler And Air Cleaner Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
25	32144-4	4	Screw-HWH (Europe)
26	3234-17	3	Screw-Hfh

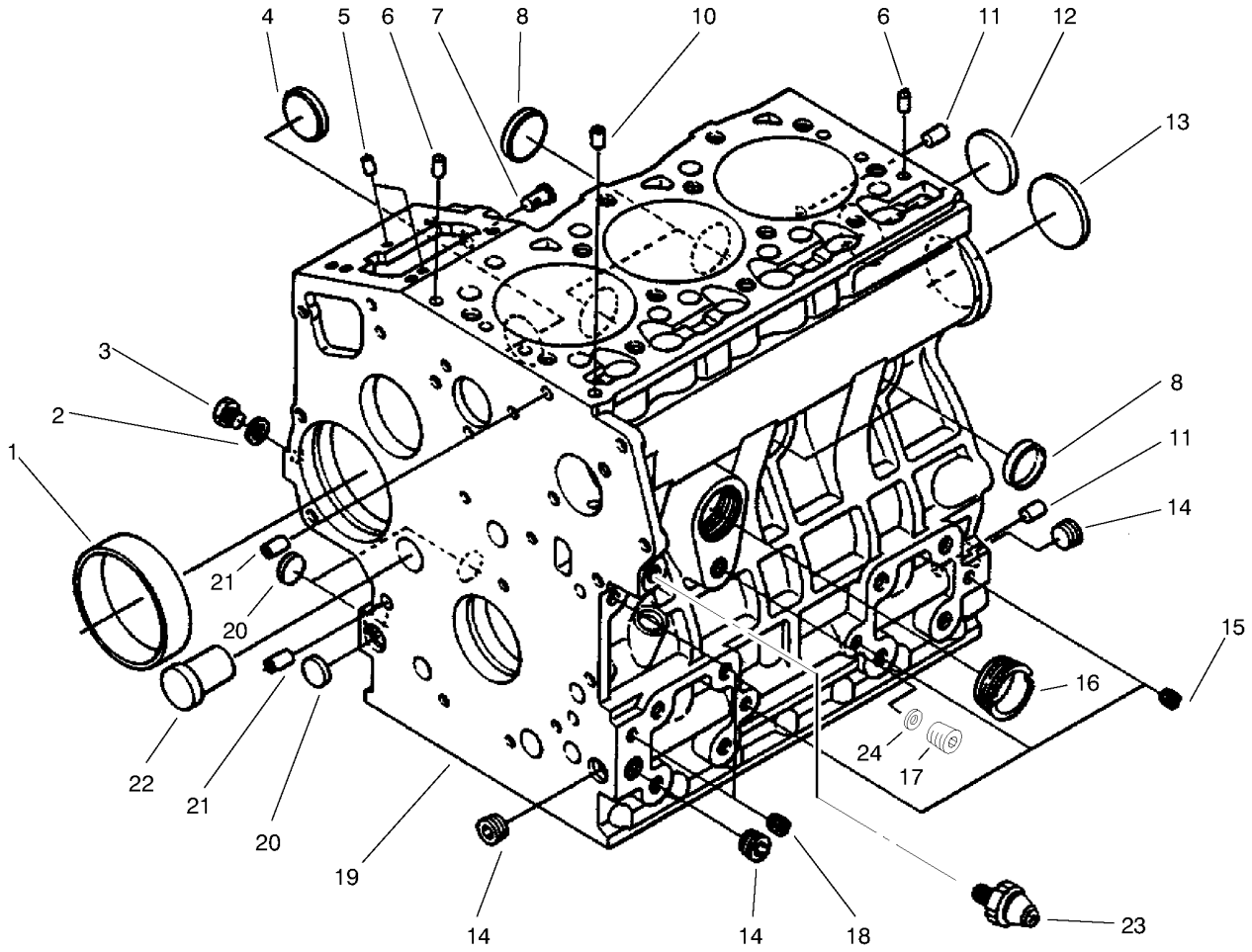
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Engine Assembly

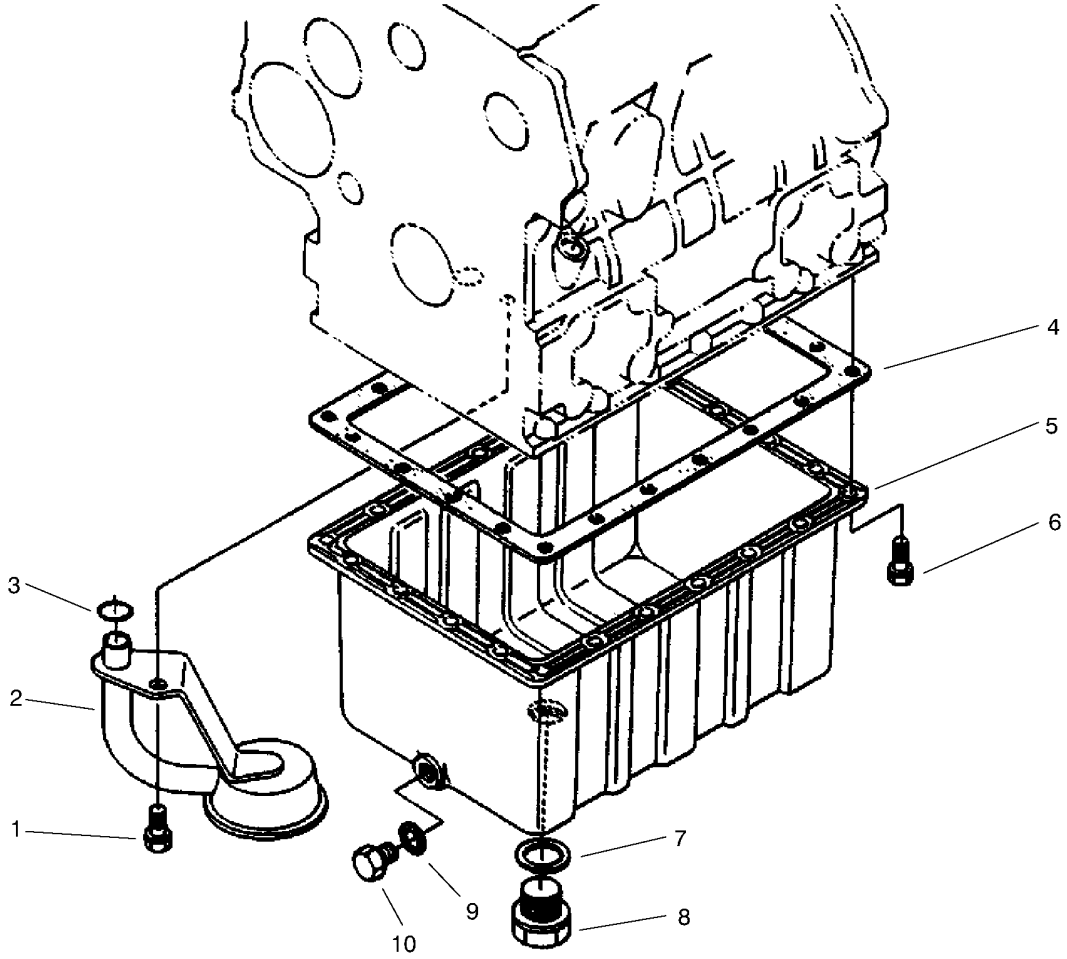
Ref.	Part Number	Qty.	Description
1	95-8912	1	Engine-Kubota D1105
2	83-1030	2	Mount-Engine
3	93-5265	1	Mount-Engine
4	32128-20	6	Nut-Hex. Flange
5	323-11	3	Screw-HH
6	3234-5	6	Screw-Hfh
7	3255-8	1	Washer-Lock, External
8	3296-39	3	Nut-Lock NI
9	80-8560	3	Washer
10	42-9370	1	Screw-Machine
11	80-6990	12	Washer-Hardened
12	95-8812	1	Screw-HH
13	95-8926-03	1	Mount-Engine, Front
14	95-8937-03	1	Mount-Engine, LH
15	95-8919-03	1	Mount Assembly-Engine
16	63-7790	8	Screw-HH
17	99-3412-03	1	Pulley
18	56-2140	3	Screw-HH
19	32128-44	2	Nut-Hex. Flange
21	99-3354-03	1	Support-Throttle, Filter
22	98-9311	1	Swivel-Throttle Cable

Ref.	Part Number	Qty.	Description
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
42	3256-24	1	Washer-Flat
43	98-9611	1	Gasket



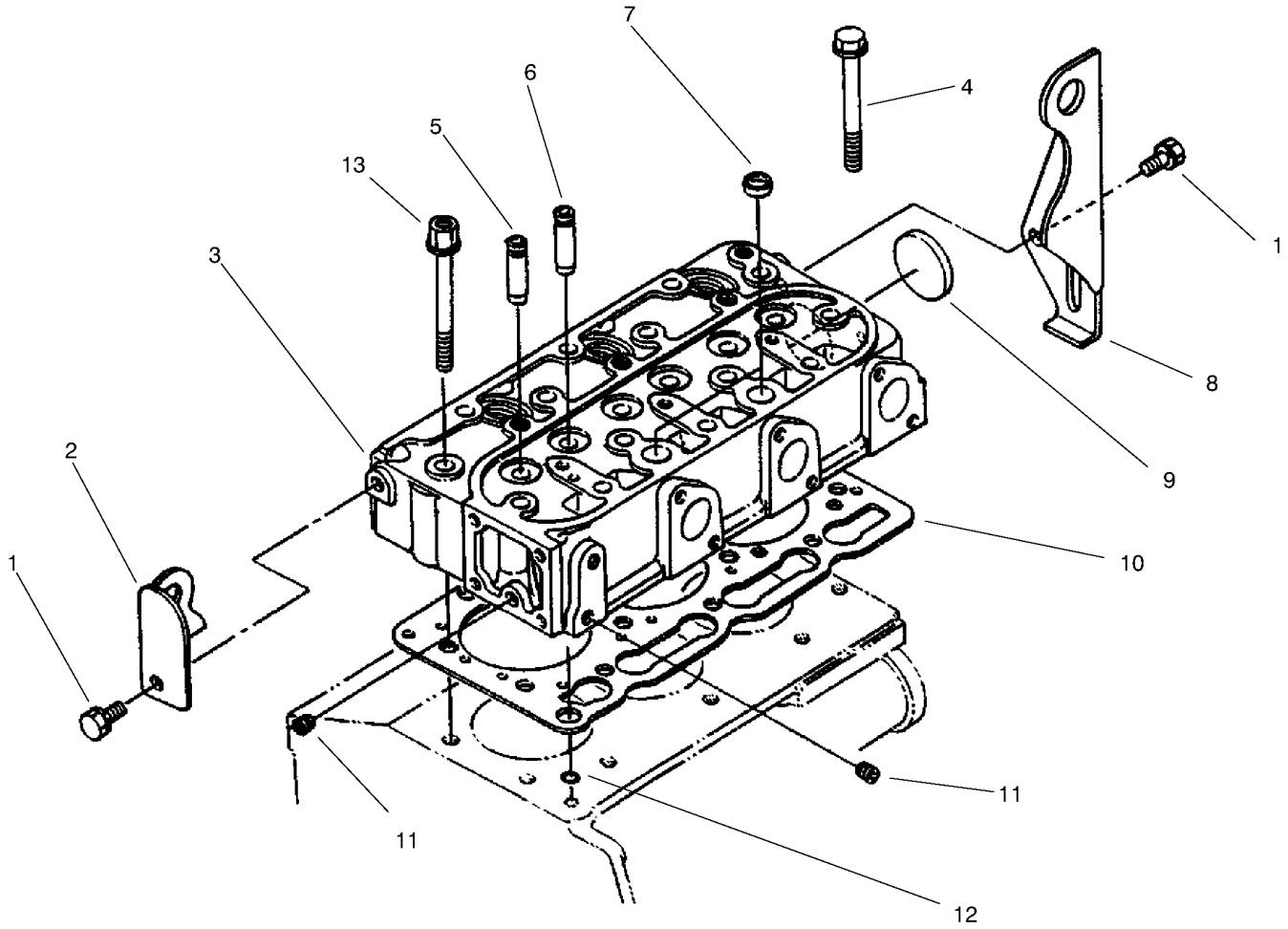
Crankcase Assembly

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	Plug
13	98-9668	1	Plug-Expansion
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	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



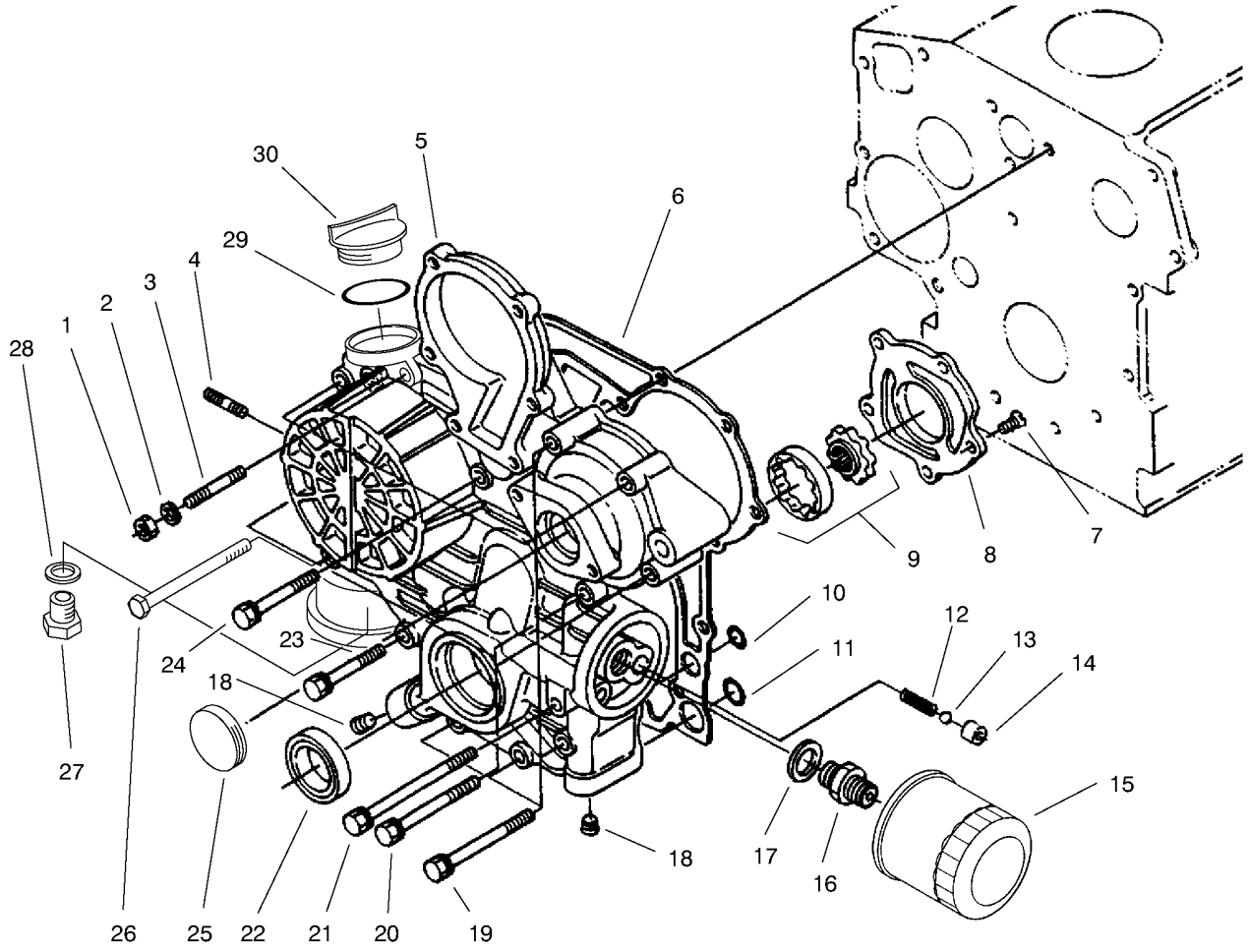
Oil Pan Assembly

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



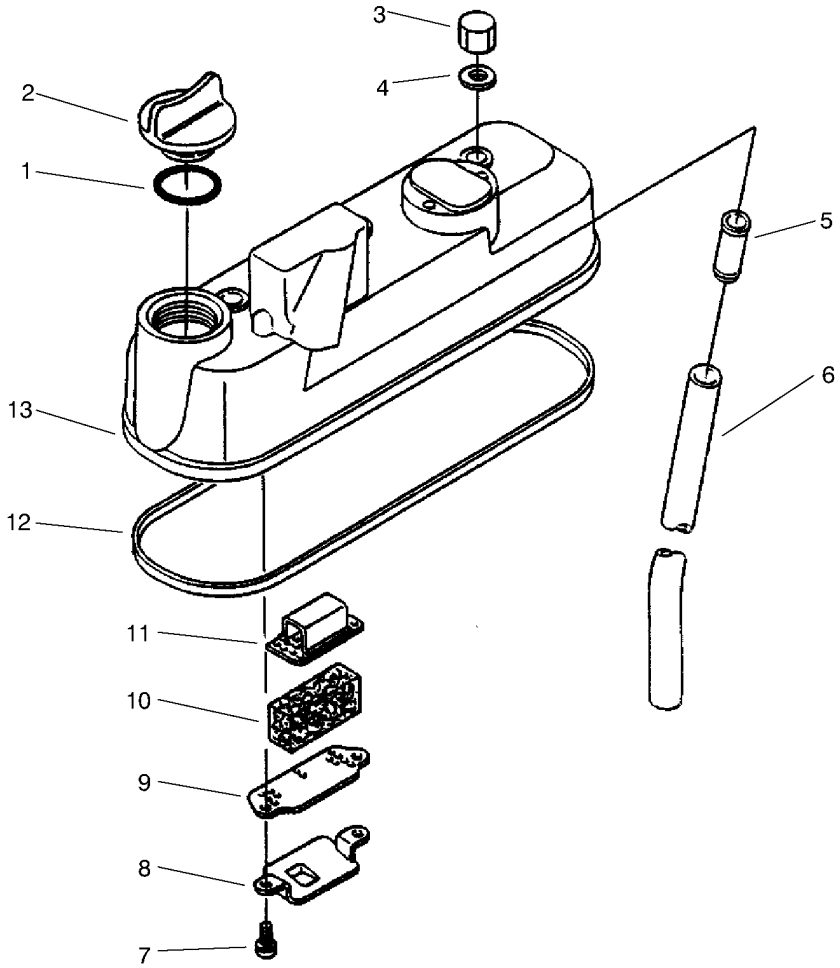
Cylinder Head Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	98-7585	2	Bolt
2	98-9477	1	Hook-Engine
3	99-8344	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



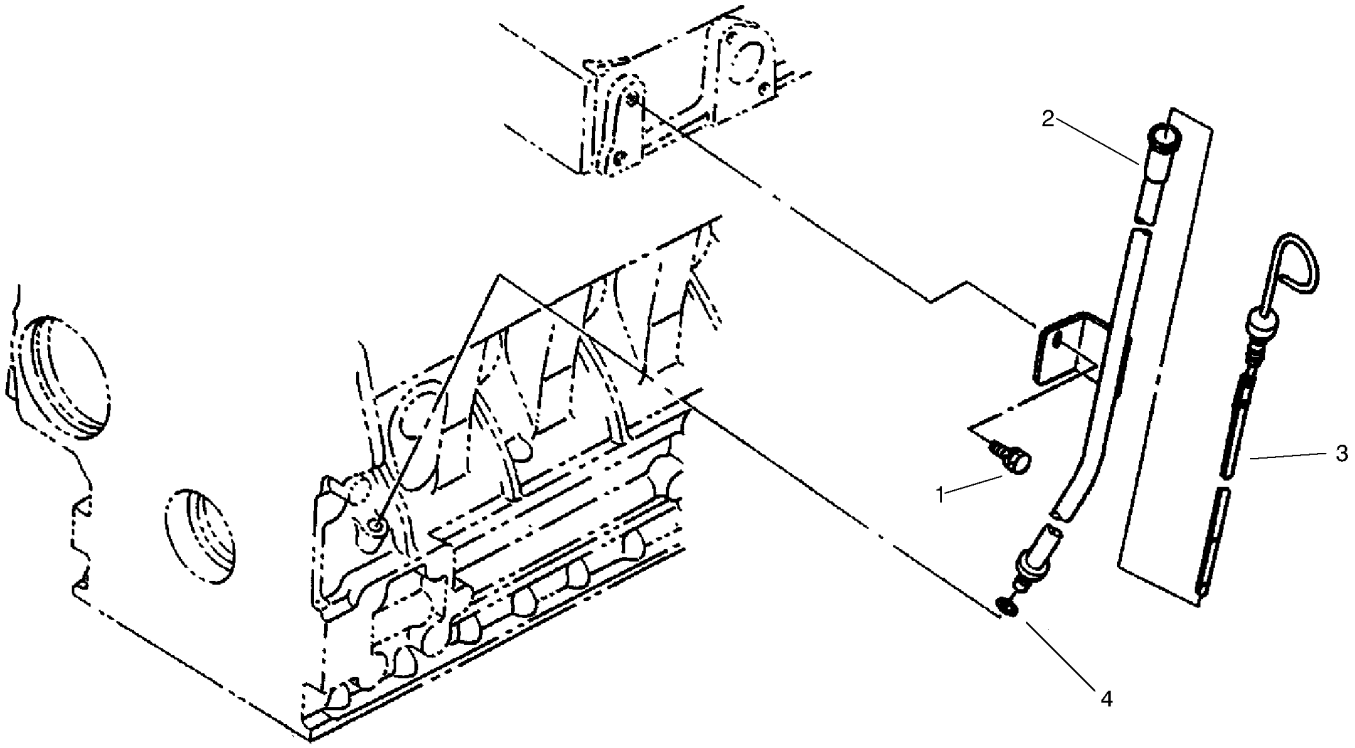
Gear Case and Oil Filter Assembly

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

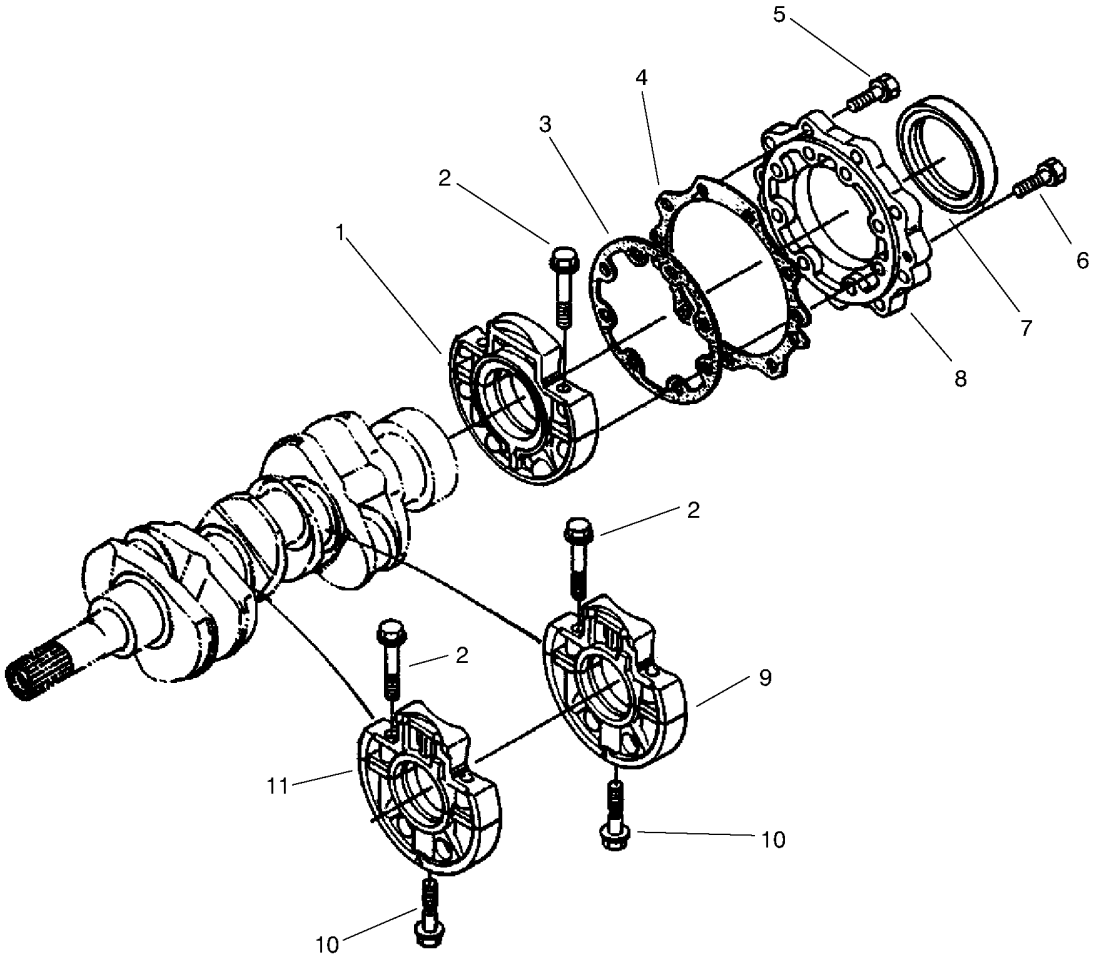
Ref.	*Part Number*	*Qty.*	*Description*
1	98-7430	1	O-Ring
2	98-9449	1	Plug-Oil Filler
3	98-9455	3	Nut-Cap
4	98-9454	3	Gasket
5	98-9492	1	Joint-Breather Pipe
6	98-9491	1	Pipe-Breather
7	98-9364	2	Screw W/Washer
8	98-9490	1	Oil Shield-Breather
9	98-9488	1	Plate-Breather Element
10	98-9493	1	Element-Breather
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

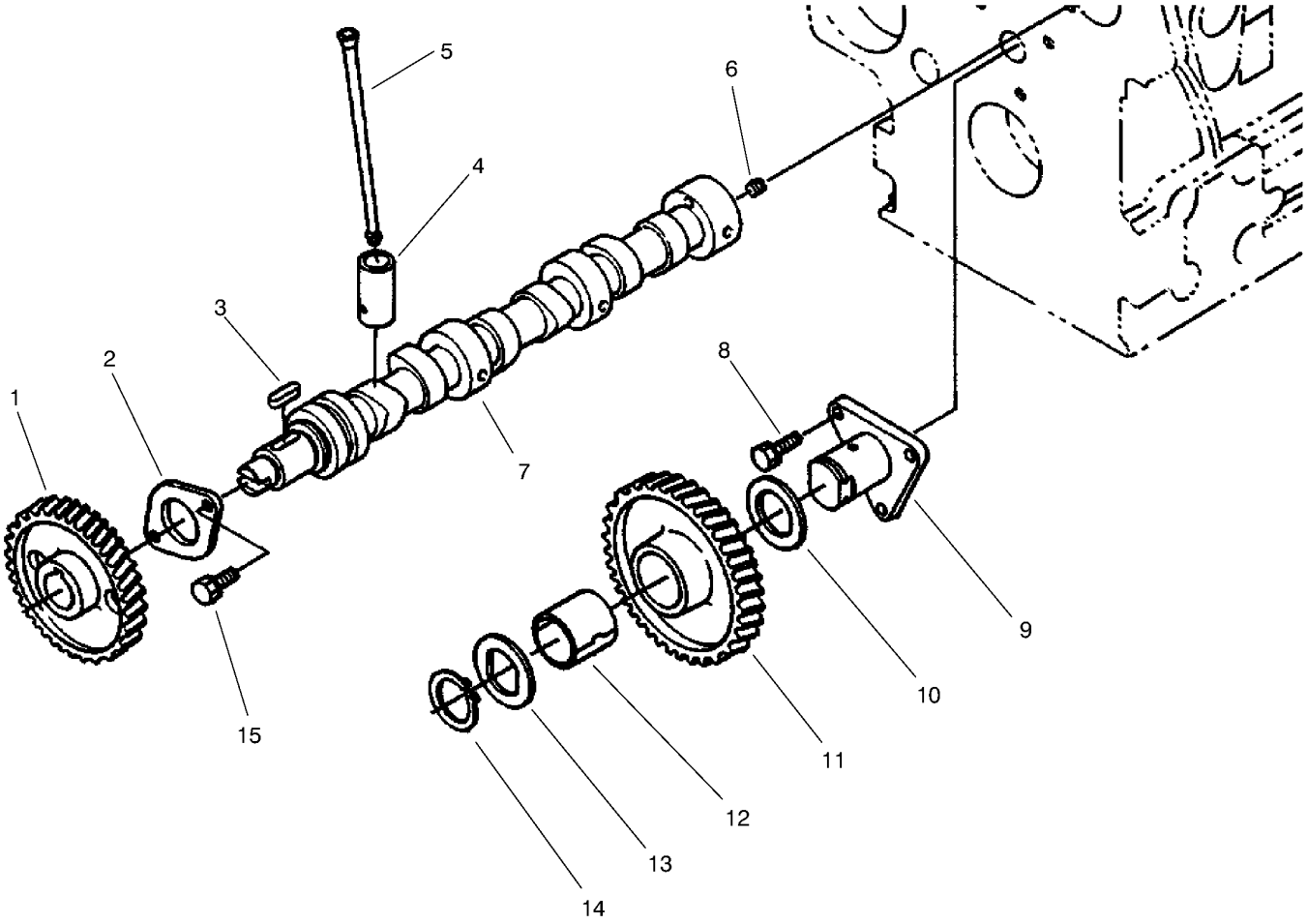
Ref.	*Part Number*	*Qty.*	*Description*
1	98-7585	1	Bolt
2	98-9671	1	Guide-Oil Gauge
3	98-9670	1	Gauge-Oil
4	98-9374	1	*obs* O-Ring
*	98-9672	1	Asm-Guide, Oil Gauge (Incl. Ref. #2 & 4) ●

● * Not Illustrated



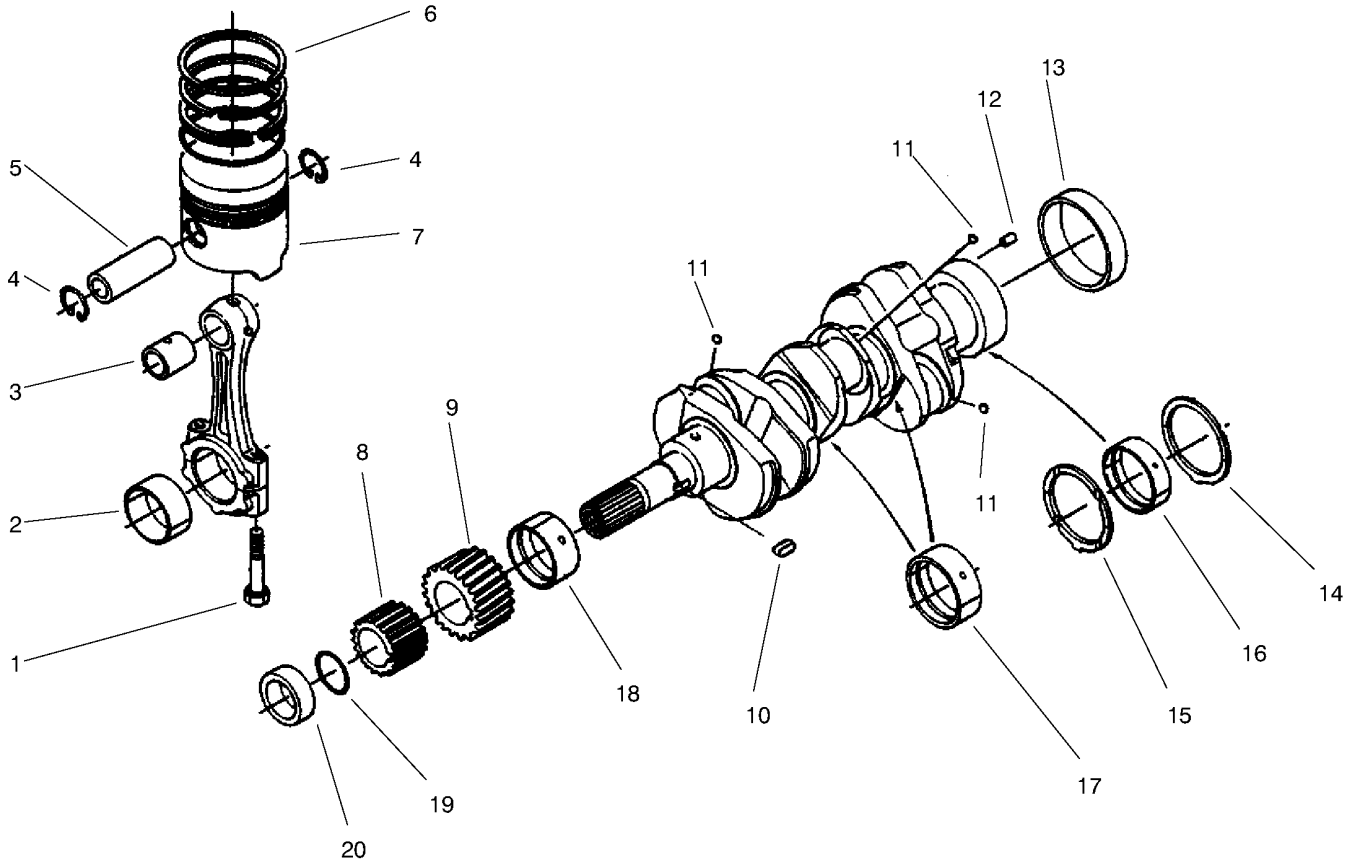
Main Bearing Case Assembly

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

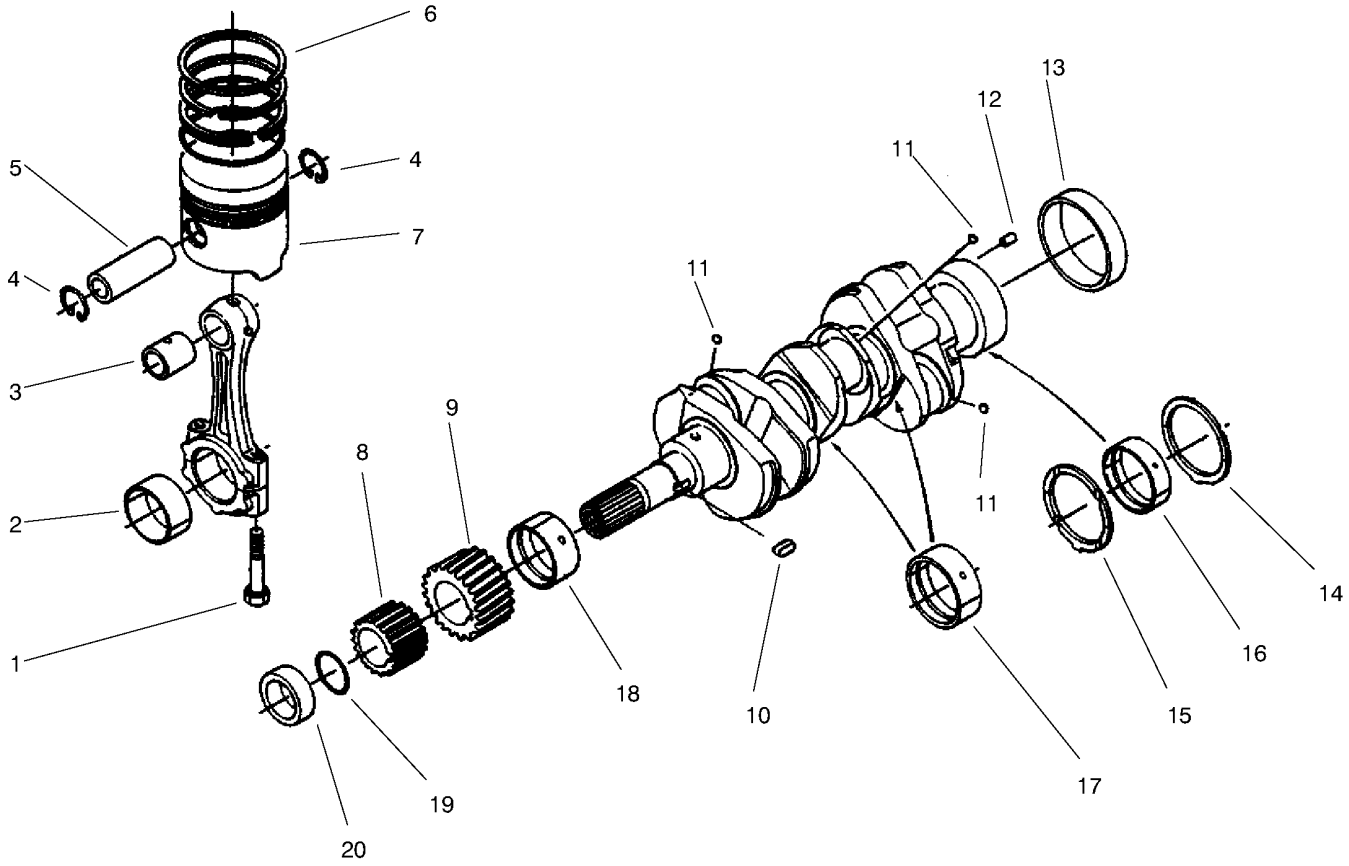
Ref.	*Part Number*	*Qty.*	*Description*
1	98-9512	1	Gear-Cam
2	98-9510	1	Stopper-Camshaft
3	98-9378	1	Key-Feather
4	98-9616	6	Tappet
5	98-9509	6	Push Rod
6	98-7449	1	Screw-Set
7	98-9617	1	Asm-Camshaft (Incl. Ref. #1-3, 6 & 15)
8	98-7692	3	Bolt
9	98-9533	1	Shaft-Gear, Idle
10	98-9535	1	Collar-Gear, Idle
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	98-9553	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	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	98-9550	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	98-9556	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

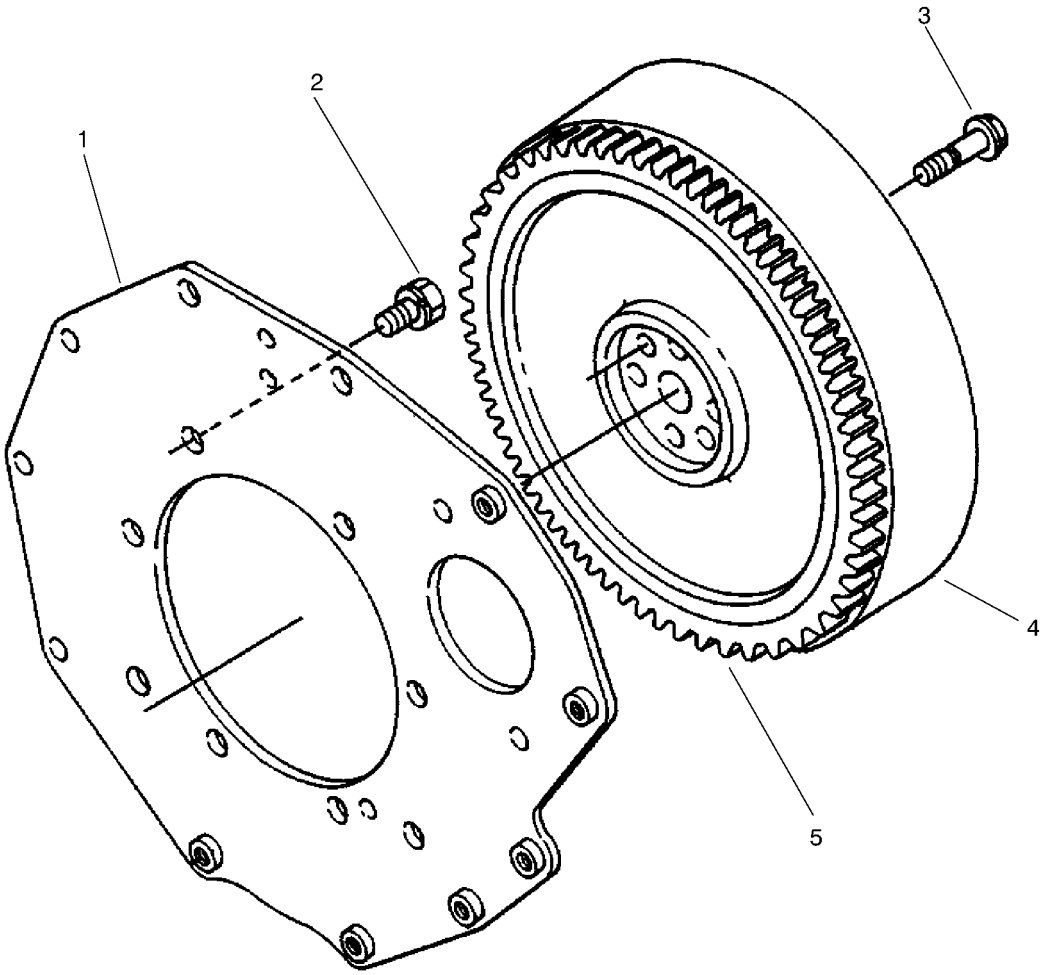
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Piston and Crankshaft Assembly (continued)

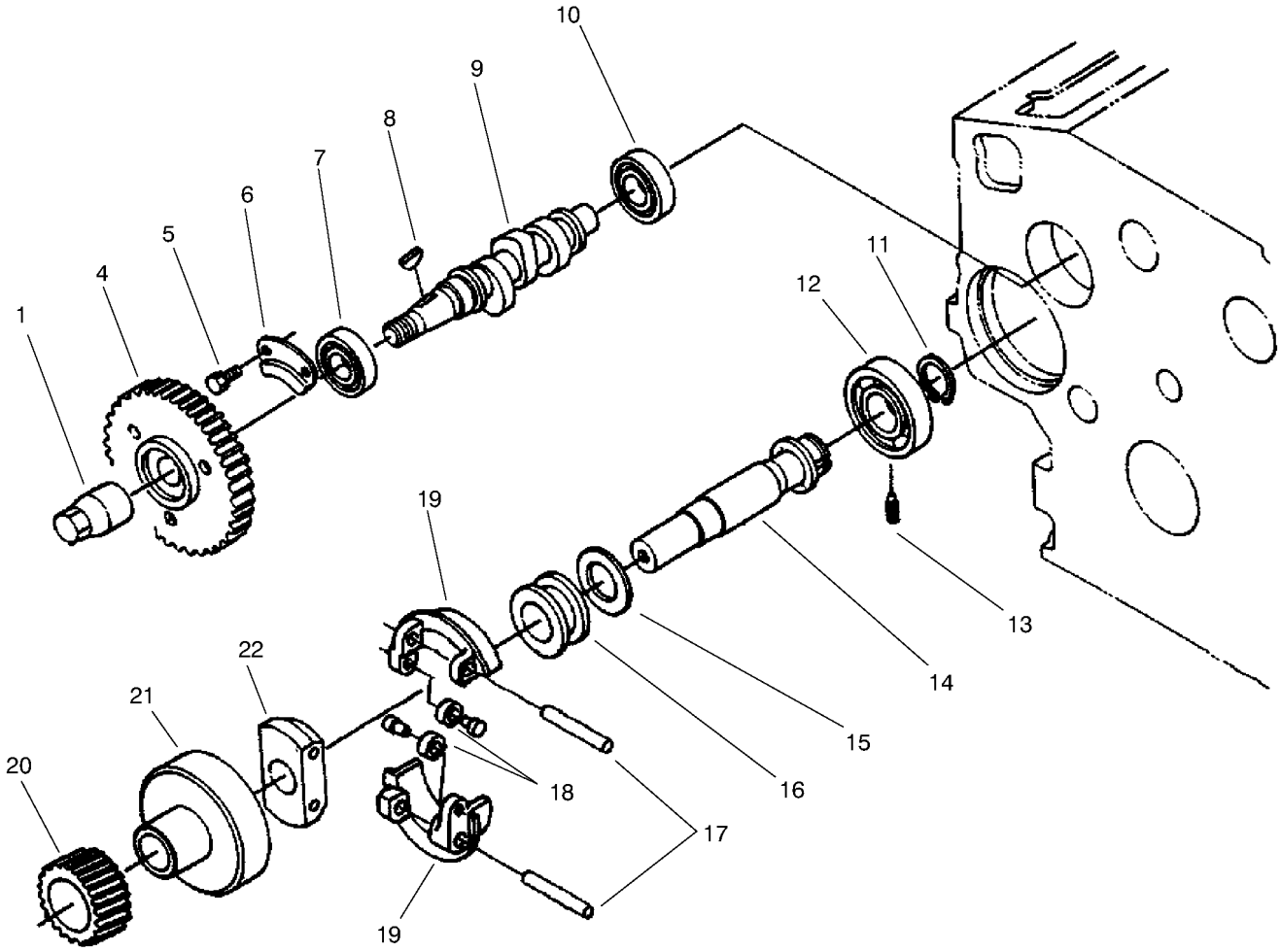
Ref.	*Part Number*	*Qty.*	*Description*
*	98-9552	3	Asm-Rod, Connecting (Incl. Ref. #1-3) ●
*	98-9642	1	Asm-Crankshaft (Incl. Ref. #8-13) ●

● * Not Illustrated



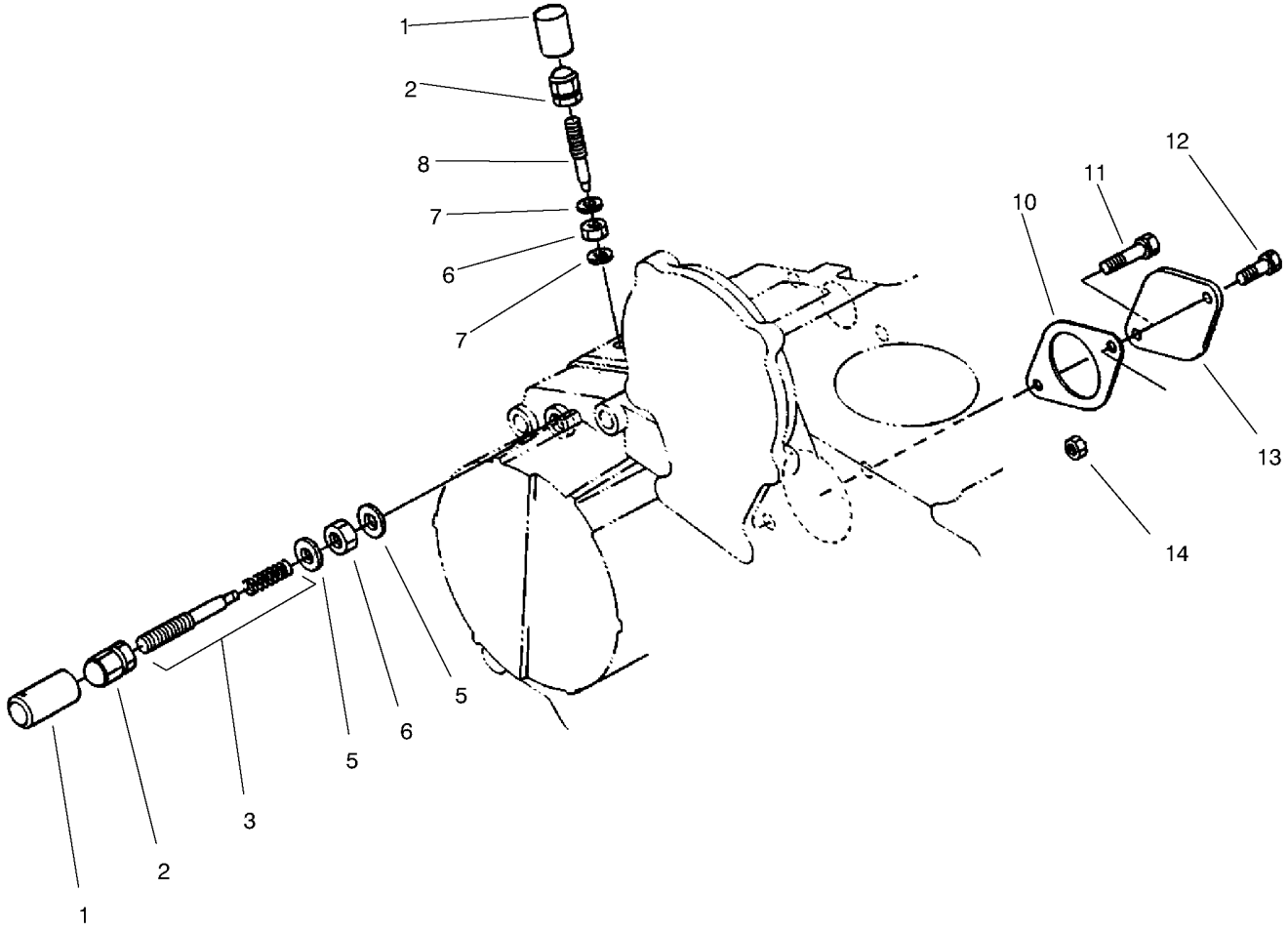
Flywheel Assembly

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



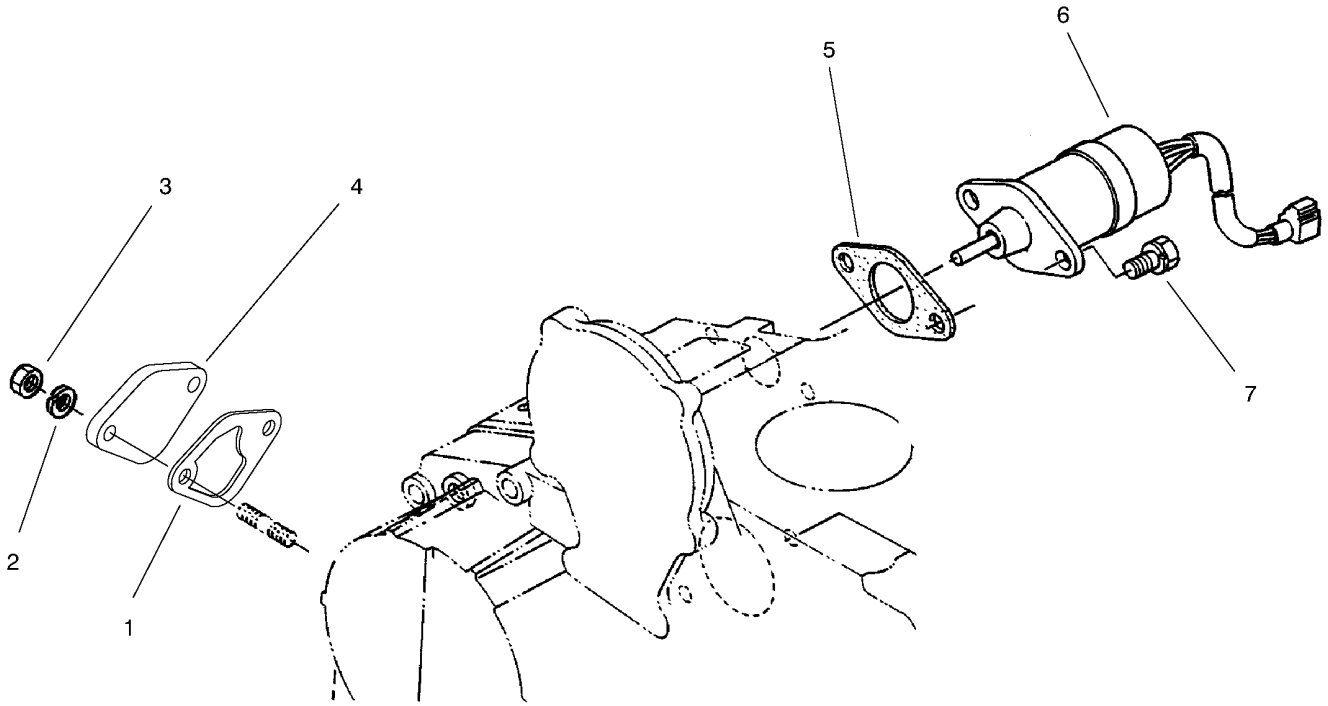
Fuel Camshaft Assembly

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



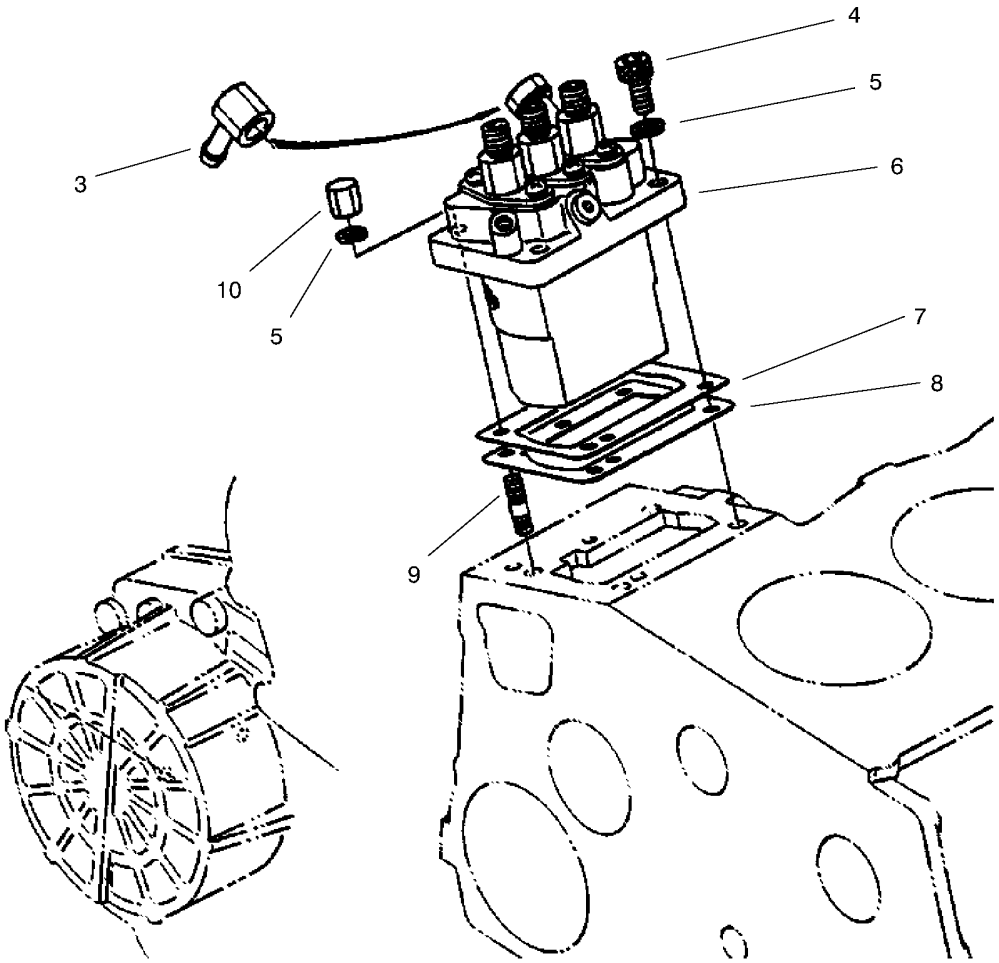
Engine Stop Lever Assembly

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



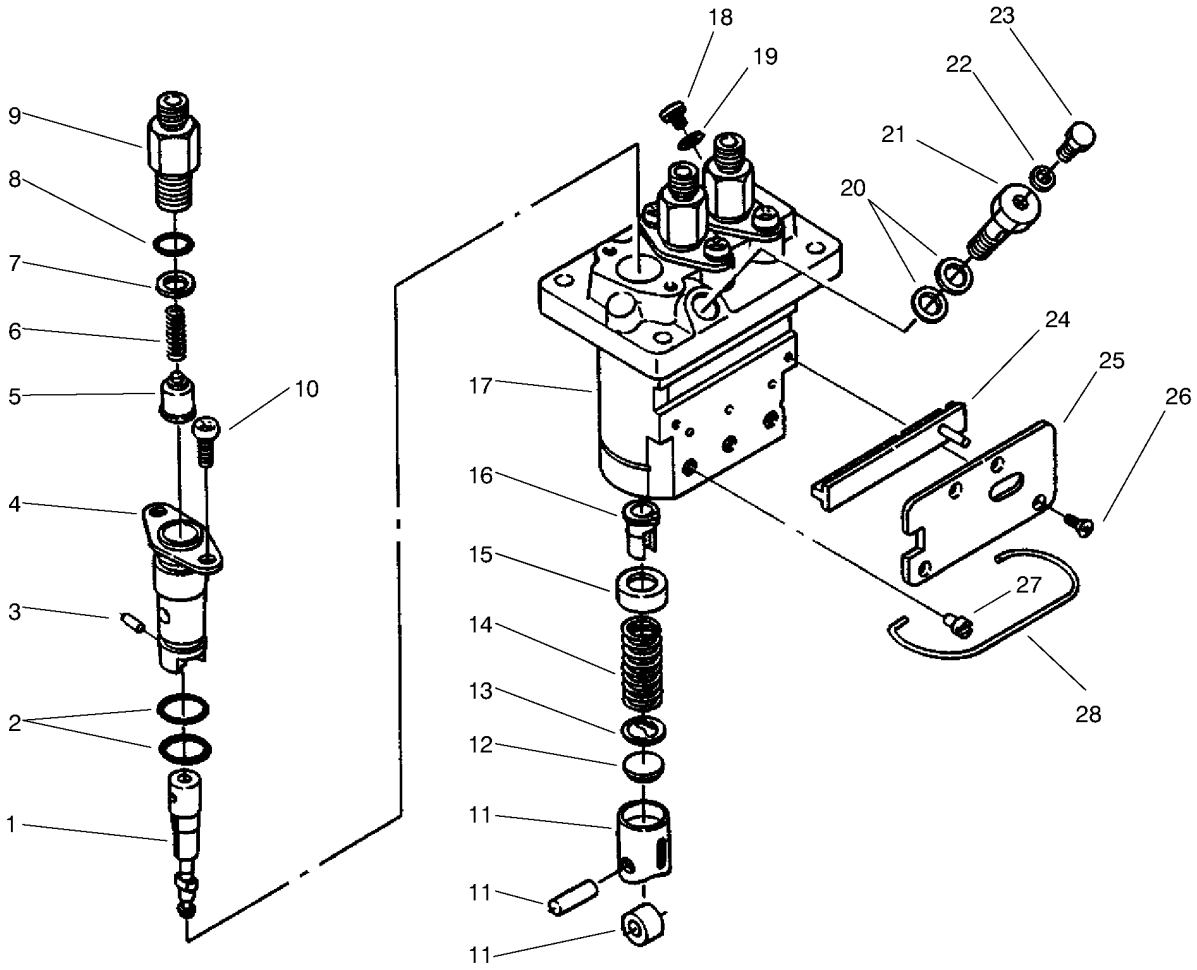
Stop Solenoid and Fuel Pump Assembly

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

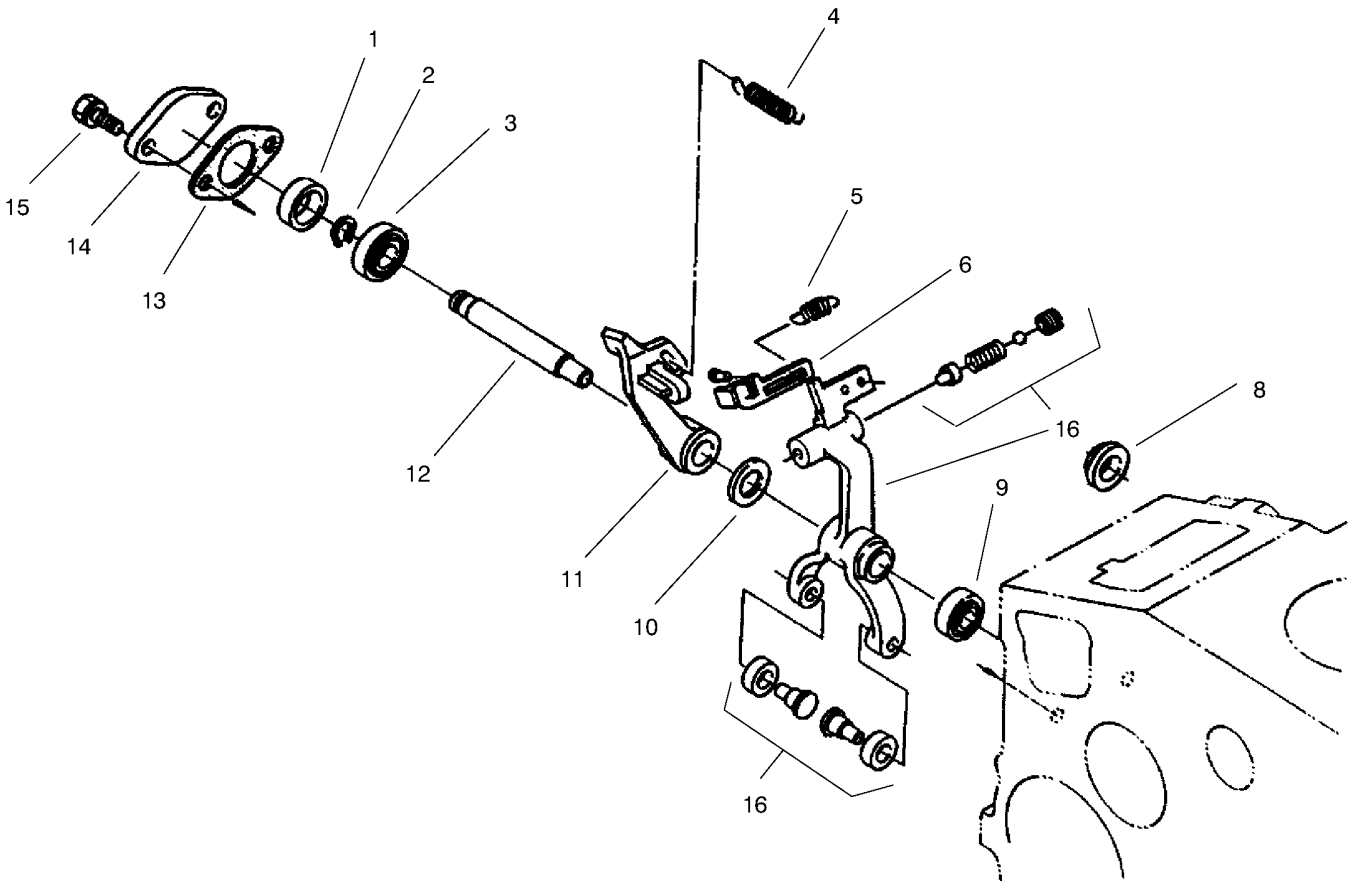
Ref.	*Part Number*	*Qty.*	*Description*
3	98-9596	1	Joint-Eye
4	98-9361	2	Bolt
5	98-9367	4	Washer-Lock
6	98-9643	1	Asm-Pump, Injection
7	98-9456	1	Shim-Injection (0.2Mm)
7	98-9457	1	Shim-Injection (0.25Mm)
8	98-9458	1	Shim-Injection (0.30Mm)
9	98-9438	2	Stud
10	98-9440	2	Nut-Cap



Injection Pump Assembly (continued)

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

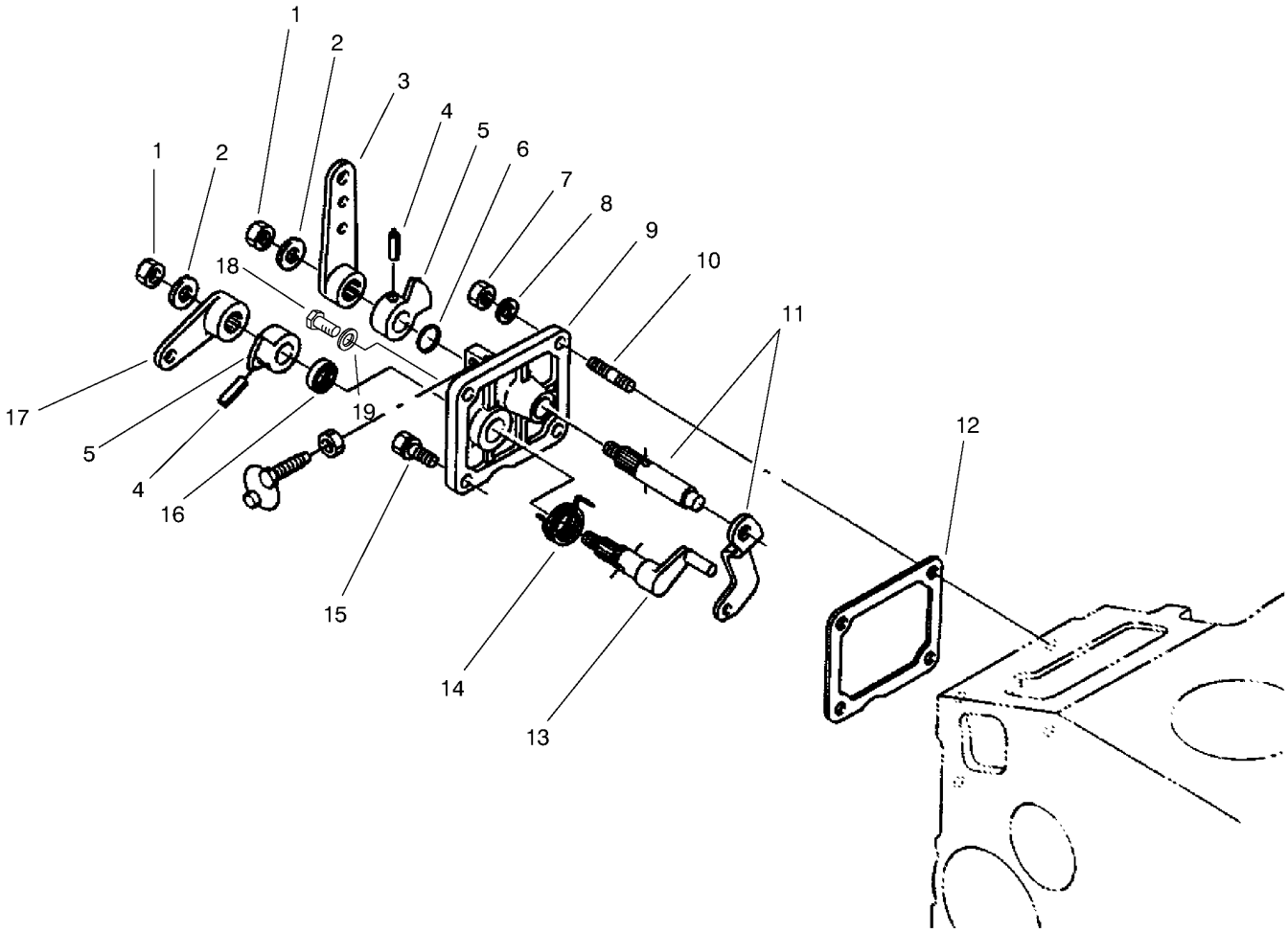


Governor Assembly

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) ■

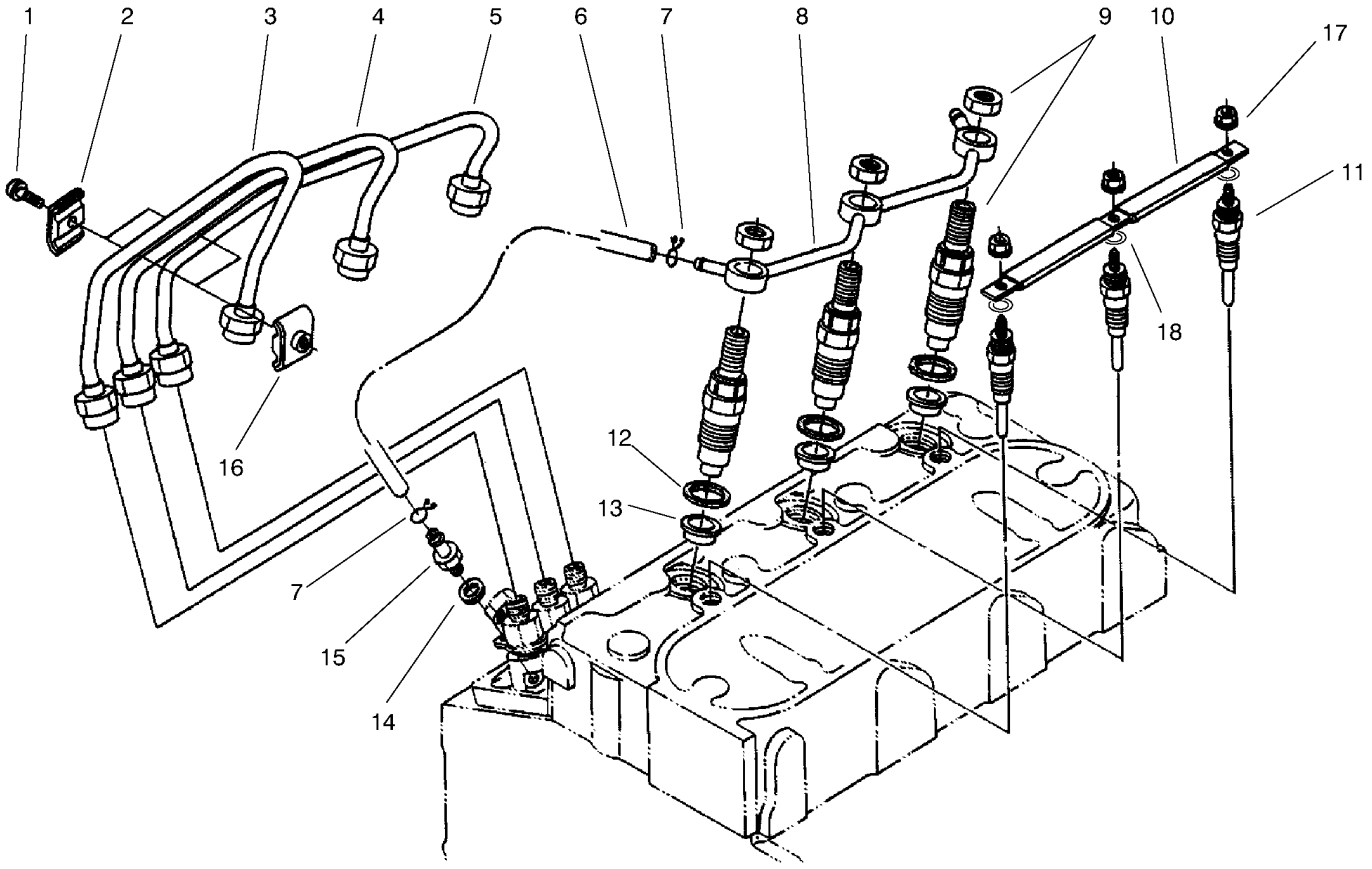
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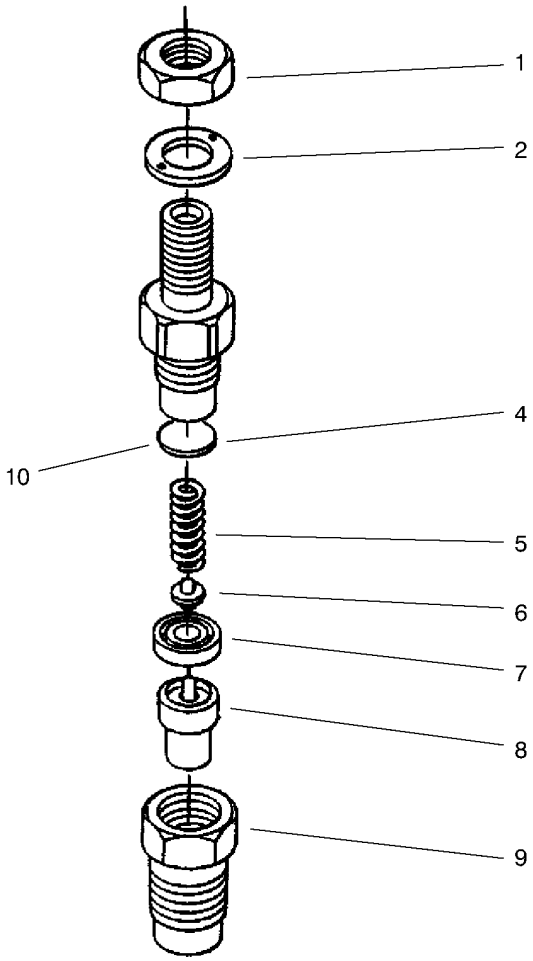
Speed Control Plate Assembly

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	1	Asm-Plate, Control (Incl. Ref. #1-6, 11, 13, 14, 16 &17)
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

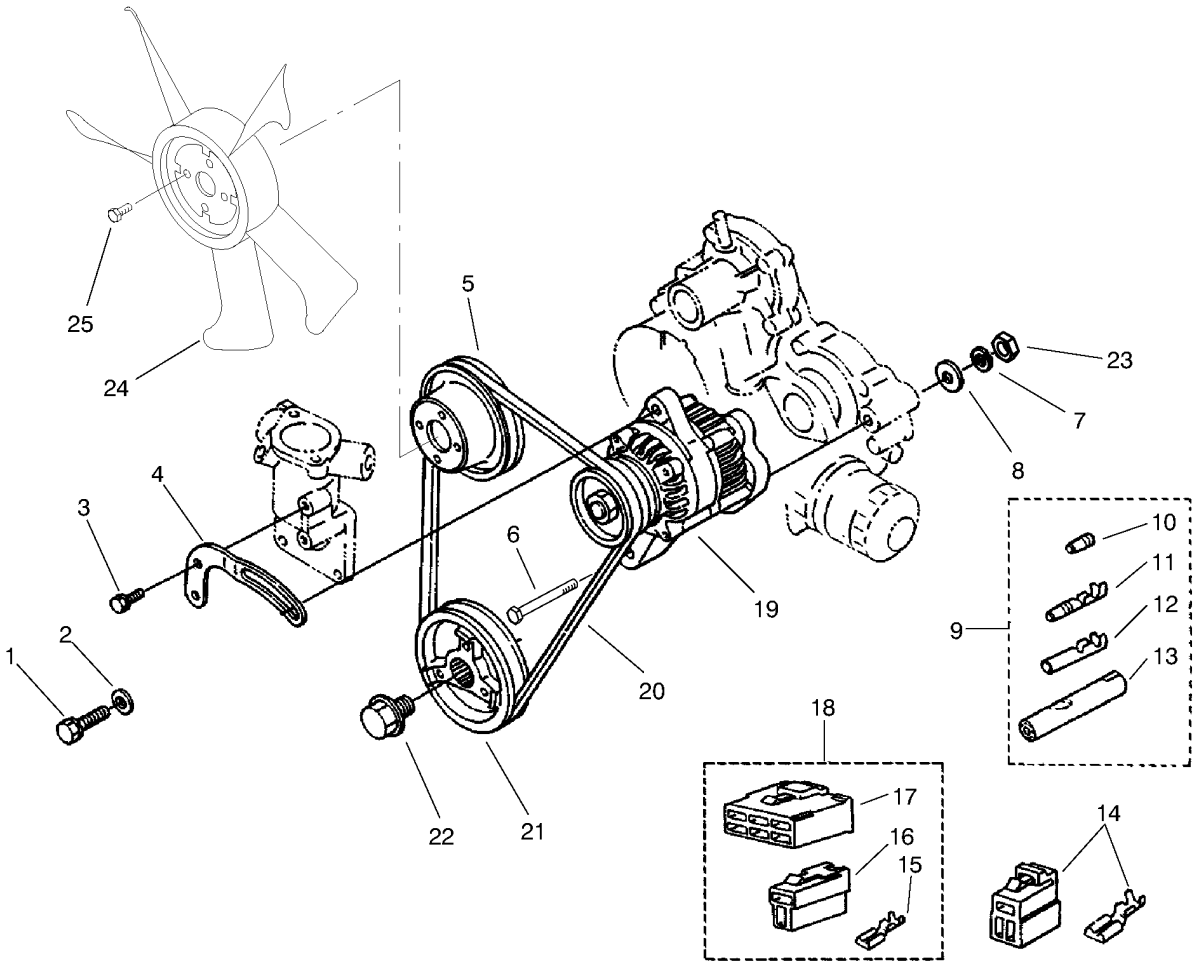
Ref.	*Part Number*	*Qty.*	*Description*
1	98-7684	2	Screw W/Washer
2	98-7683	2	Clamp-Pipe
3	99-3460	1	Pipe-Injection
4	98-9654	1	Pipe-Injection
5	98-9655	1	Pipe-Injection
6	98-9624	1	Asm-Pipe, Overflow (Incl. Ref. #7)
7	98-7671	2	Clip-Pipe
8	98-9621	1	Asm-Pipe, Overflow
9	98-9468	3	Asm-Holder, Nozzle
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-Air Bleed
16	98-7682	2	Clamp-Pipe
17	99-8377	3	Nut-Flange
18	99-8378	3	Washer-Plain



Nozzle Holder Assembly

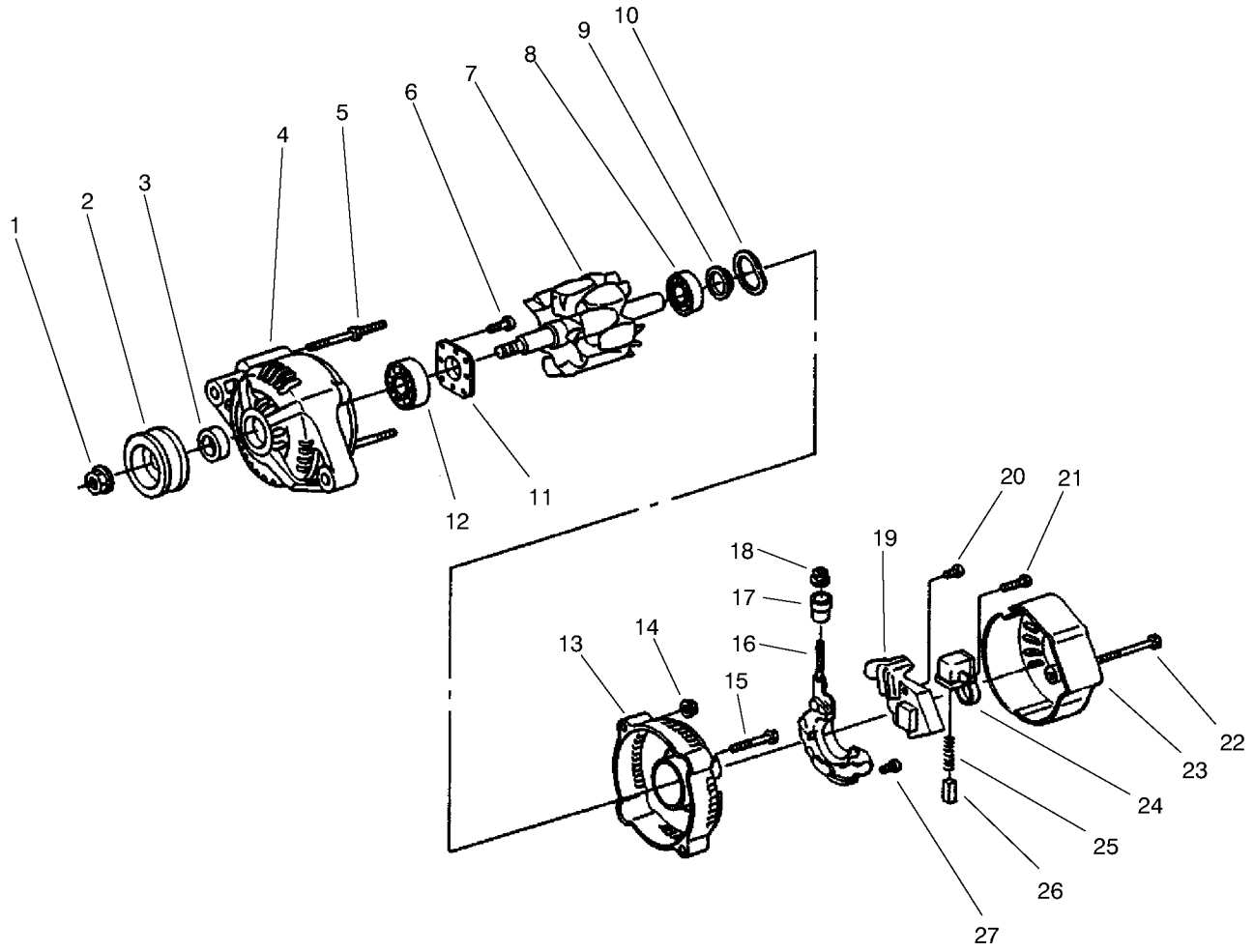
Ref.	*Part Number*	*Qty.*	*Description*
1	99-8301	3	Nut
2	99-8307	3	Washer
4	99-8302	3	Washer-Adjusting
5	99-8303	3	Spring-Nozzle
6	99-8305	3	Push Rod
7	99-8304	3	Piece-Distance
8	99-8308	3	Piece-Nozzle
9	99-8306	3	Nut-Nozzle
10	99-8309	3	Asm-Washer, Adjusting
*	99-8310	3	Washer-Adj. (0.10Mm) ●
*	99-8311	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. (0.56Mm) ●
*	99-8318	3	Washer-Adj. (0.58Mm) ●
*	99-8319	3	Washer-Adj. (0.80Mm) ●
*	98-9468	3	Asm-Holder, Nozzle (Incl. Ref. #1-9) ●

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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

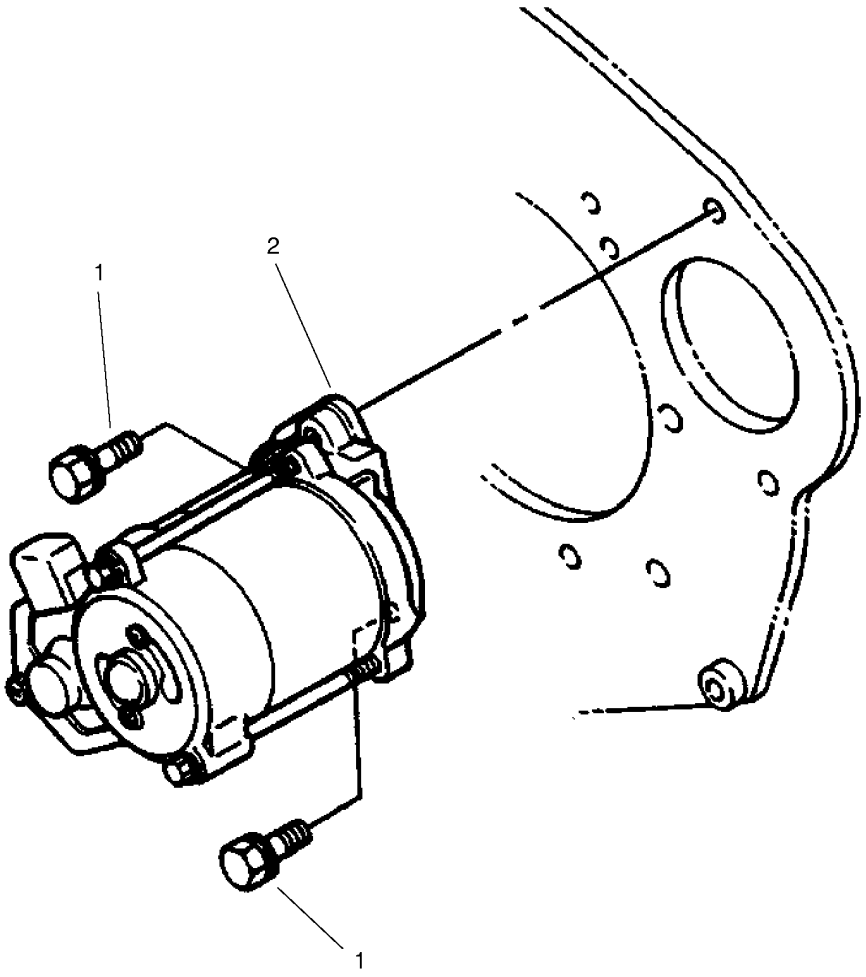


Alternator Assembly

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

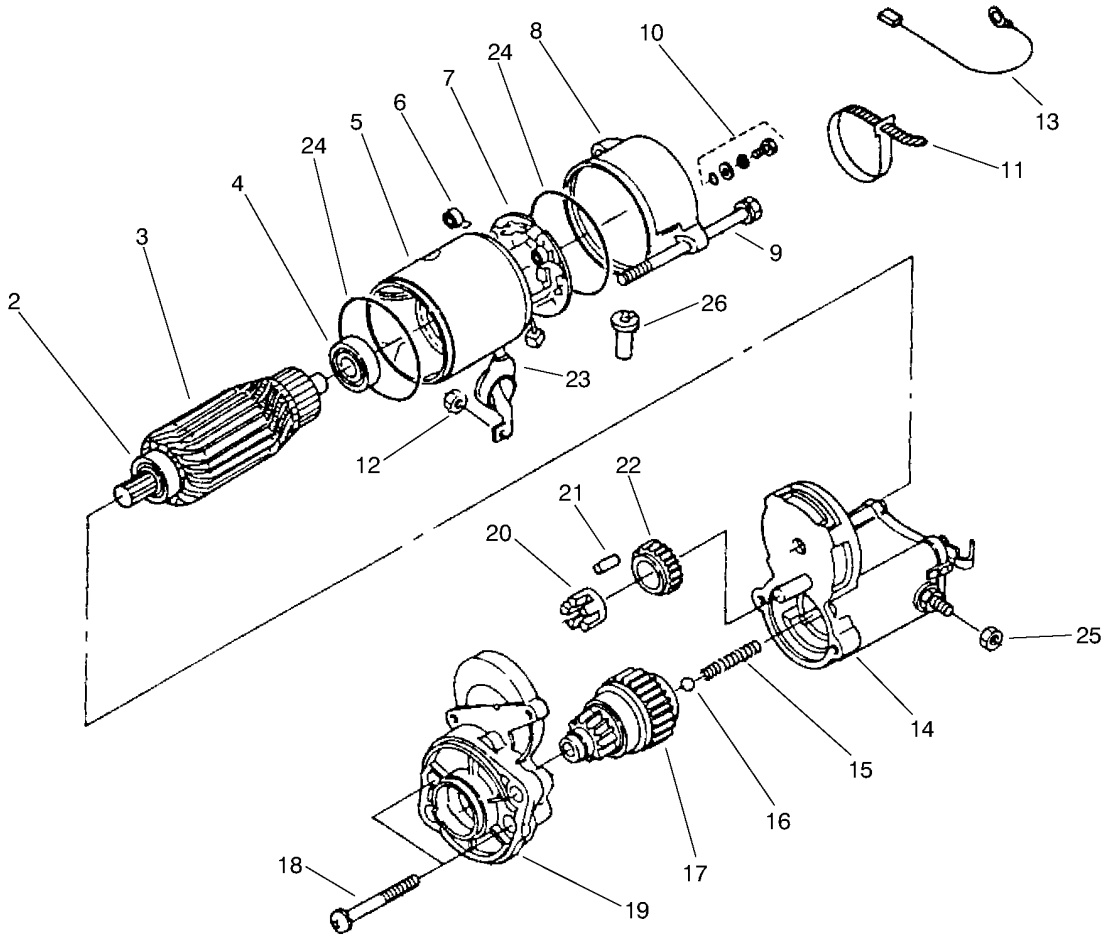
Ref.	Part Number	Qty.	Description
16	98-7721	1	Asm-Rectifier
17	98-7722	1	Bushing-Insulation
18	98-7732	1	Nut
19	98-7733	1	Asm-Regulator
20	98-7726	2	Screw-RH
21	98-7728	1	Screw-RH
22	98-7729	3	Bolt
23	98-7720	1	Cover-End
24	98-7723	1	Holder-Brush
25	98-7725	2	Spring-Brush
26	98-7724	2	Brush
27	98-7727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

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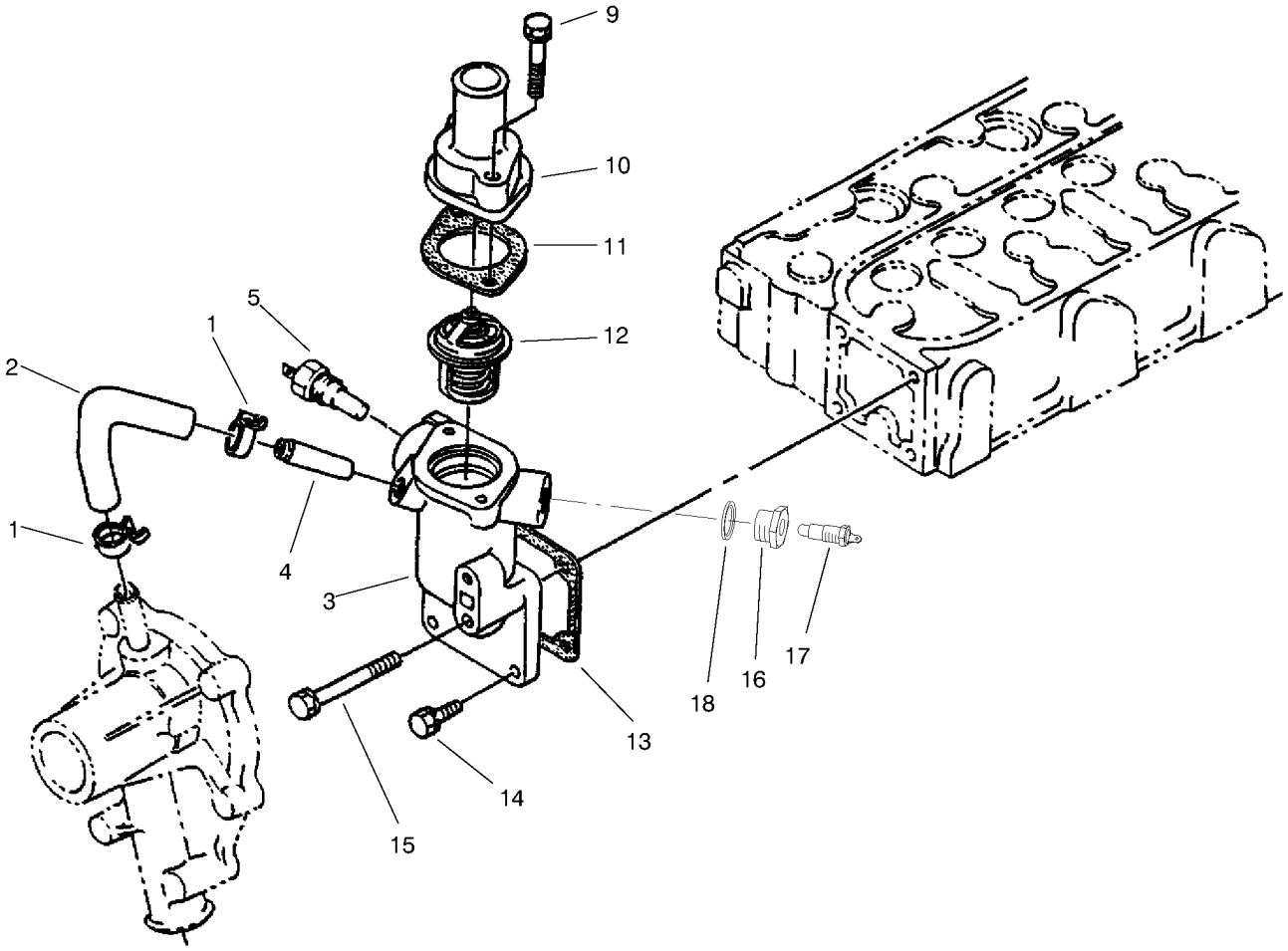
Starter Mount Assembly

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



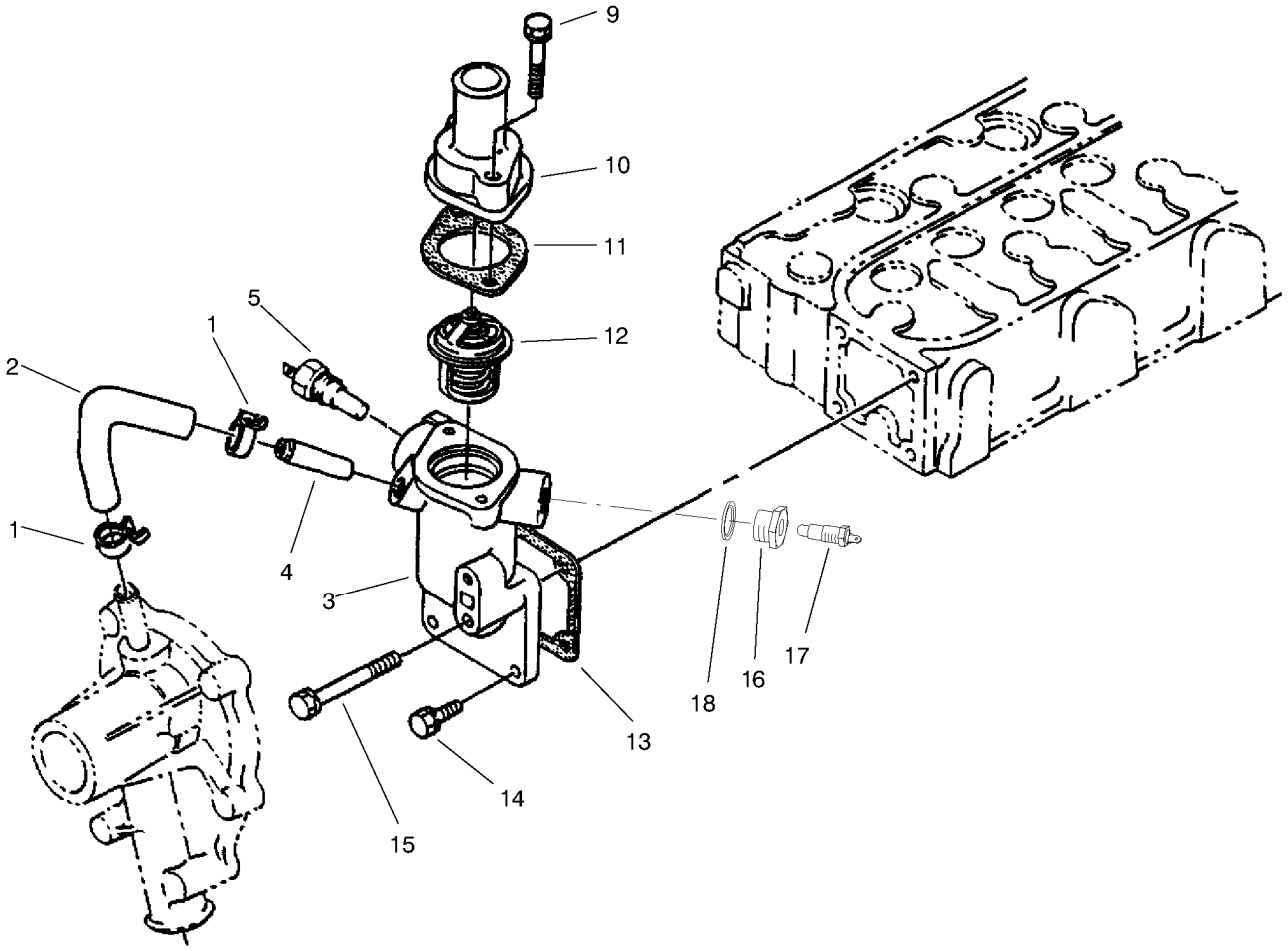
Starter Assembly No. 98-9705

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



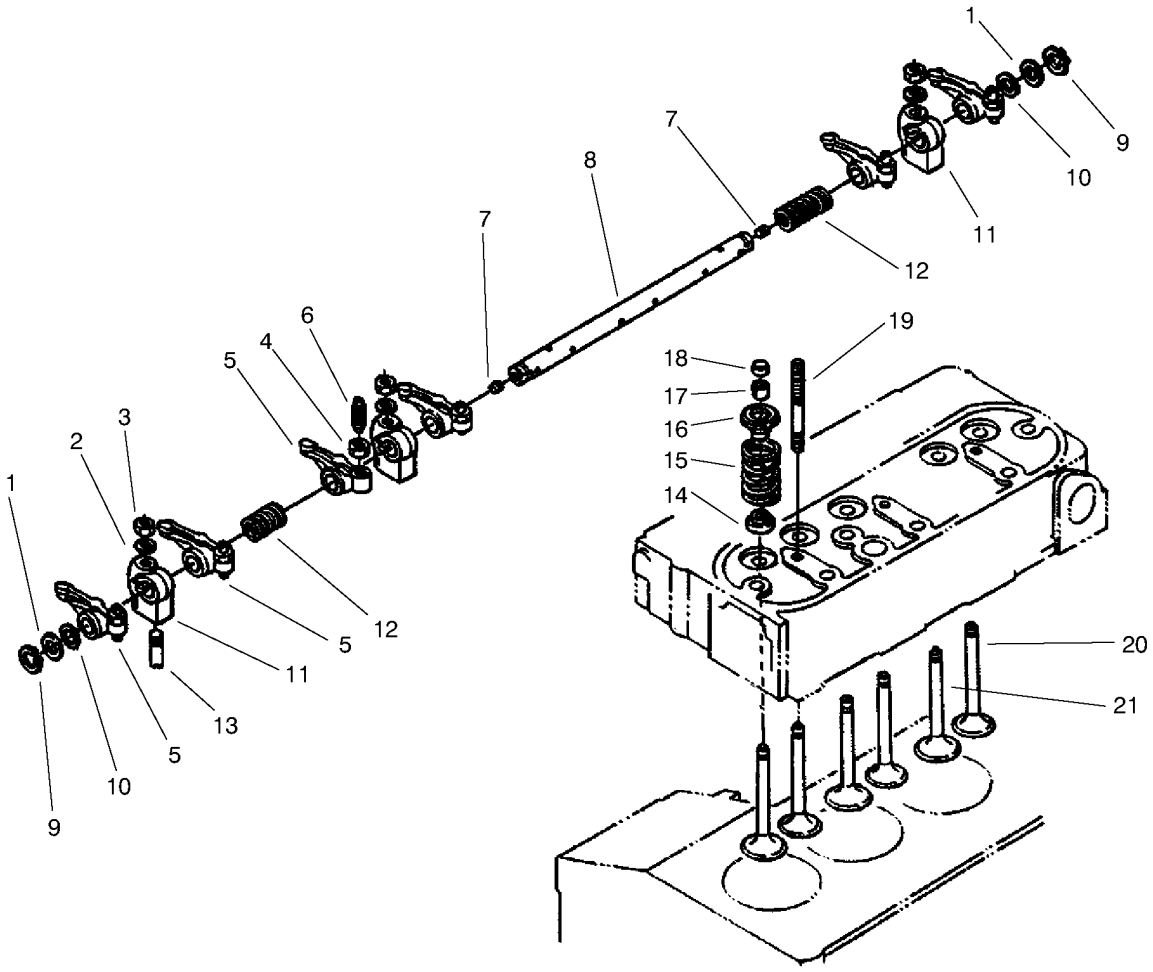
Water Flange and Thermostat Assembly

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 (105#c)
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 (110#c)
18	99-3583	1	Gasket



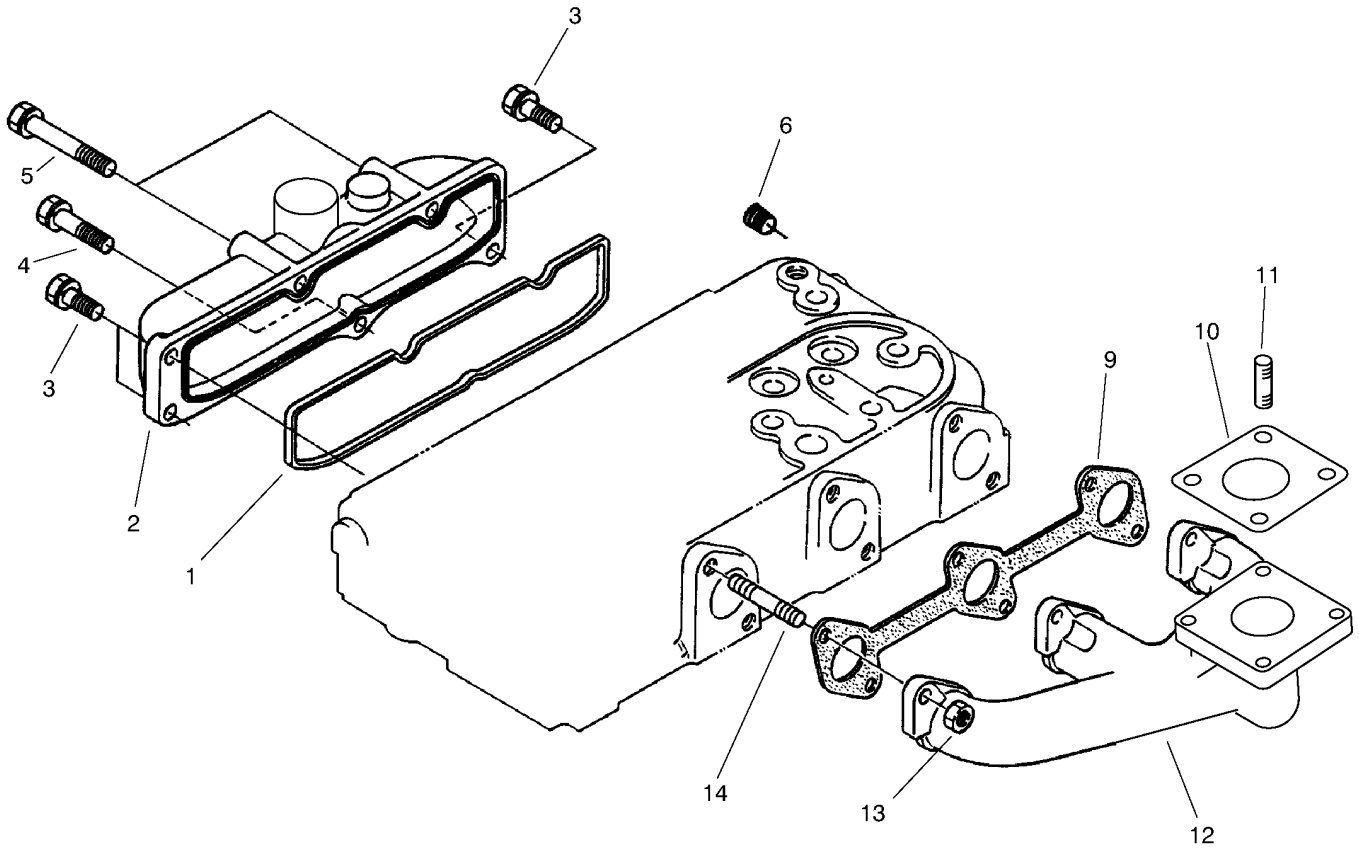
Water Pump Assembly

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



Count on it.