



Reelmaster[®] 3100-D With Sidewinder[®]

Model No. 03201 - 200000701 and up.

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Footnotes

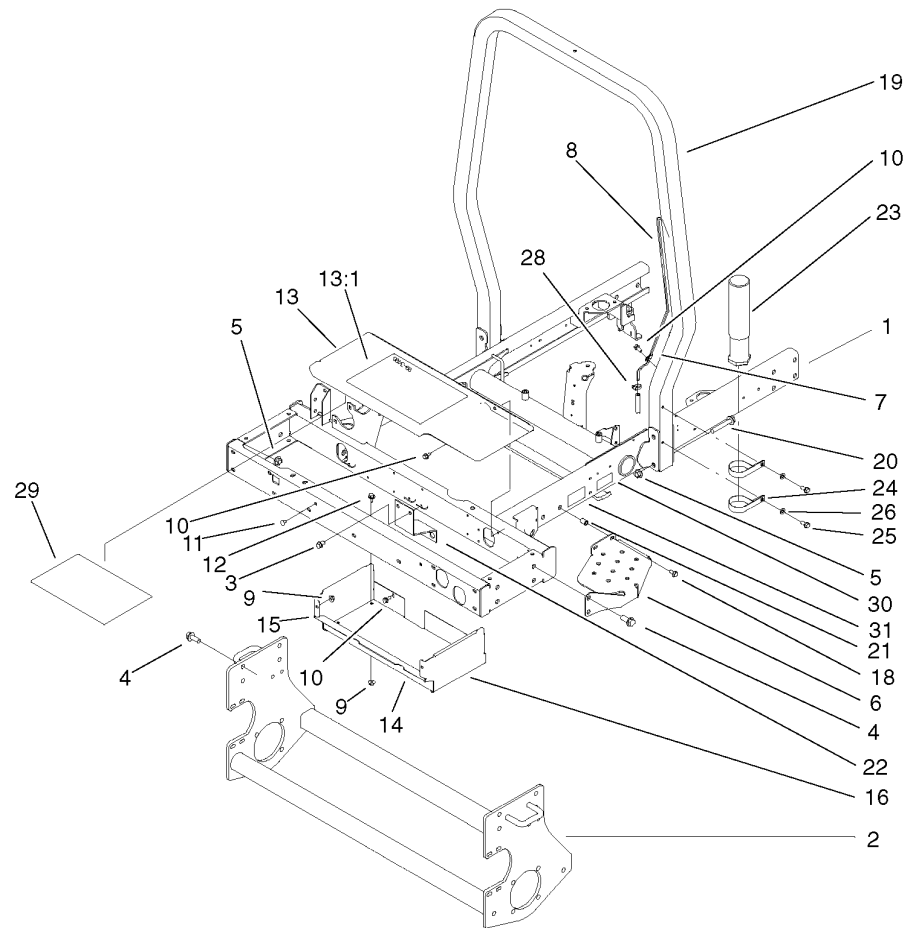
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Not serviced separately
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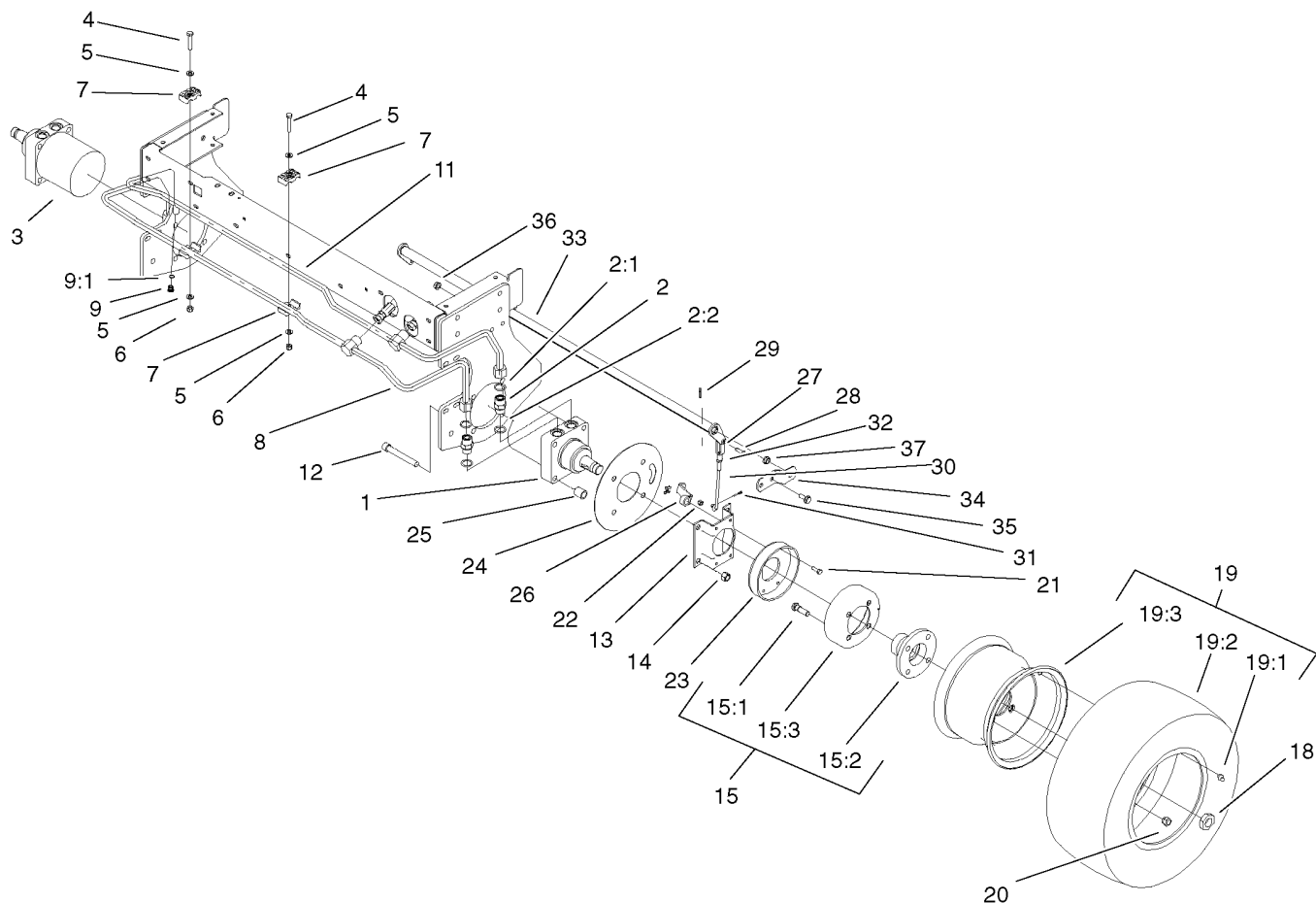
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* Not Illustrated.



Frame Assembly

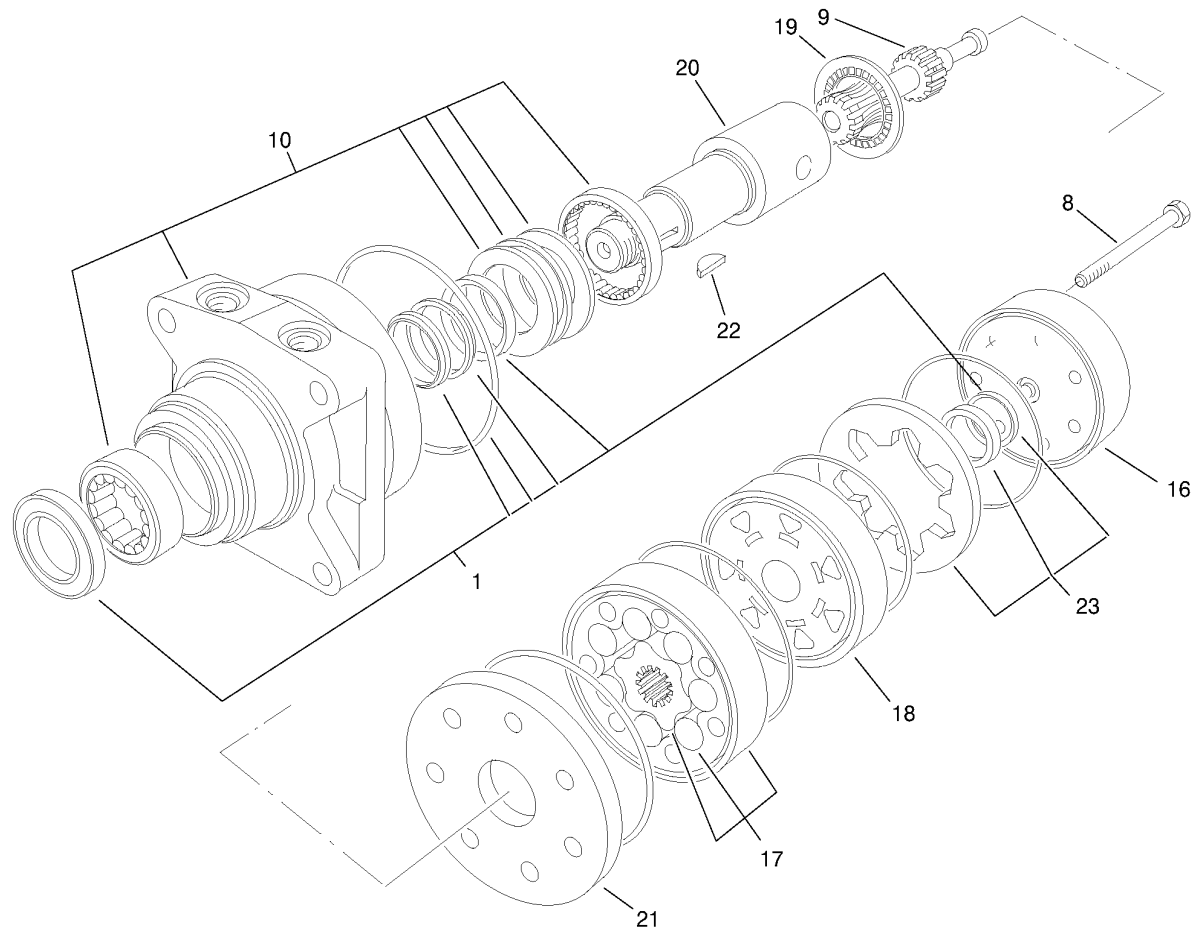
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	95-8590-03	1	Frame	25	32144-70	2	Screw-HH
2	95-8568-03	1	Frame-Lower	26	3256-23	2	Washer-Flat
3	32144-15	2	Screw	28	2412-108	1	Clamp-Worm
4	3234-38	8	Screw-Hfh	29	99-3494	1	Decal-Instructions,Service
5	32128-49	12	Nut-HHF	30	63-9920	1	Decal-Level,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



Front Wheel And Brake Assembly

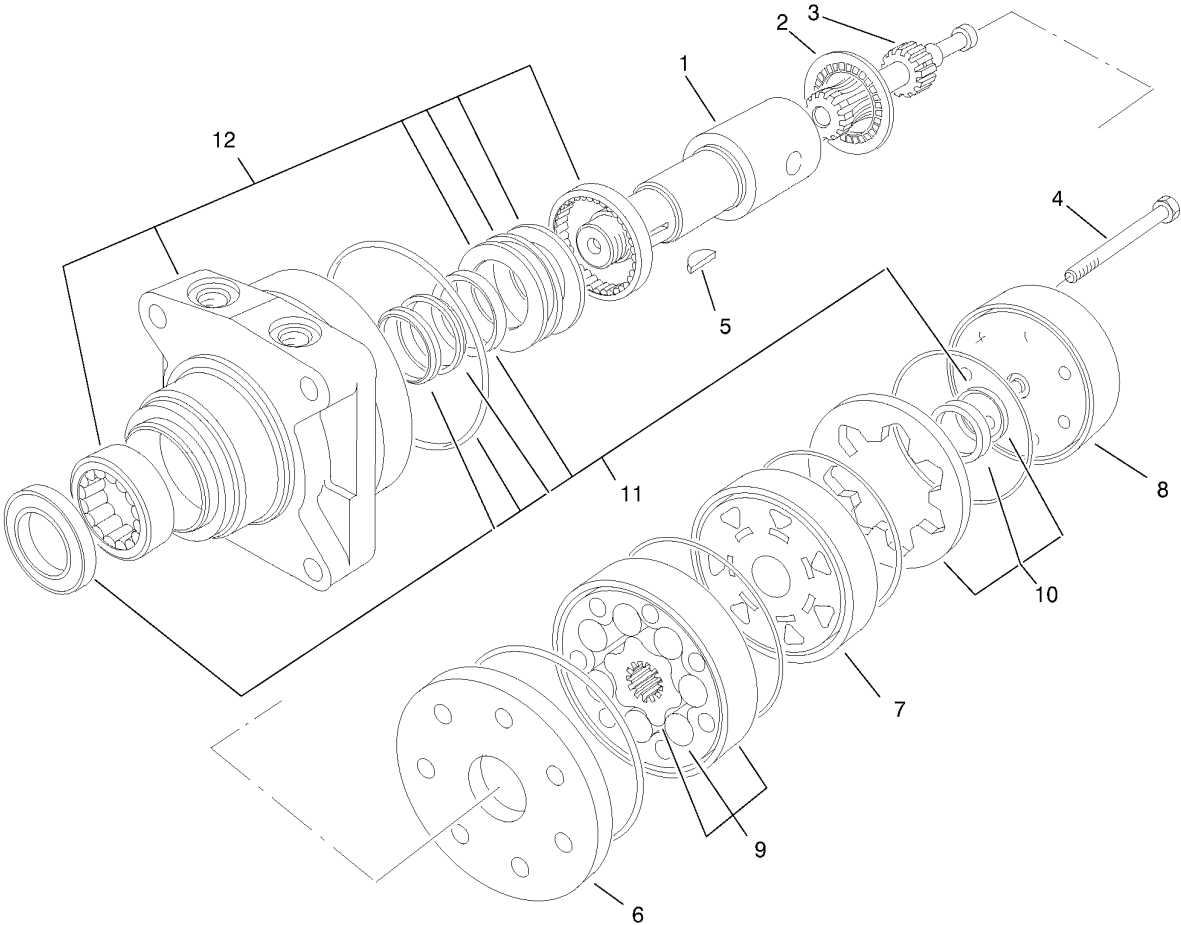
Ref	Part No.	Qty.	Description
1	75-9990	1	Motor-Hydraulic
2	340-7	4	Adapter
2:1	237-65	1	O-Ring
2:2	237-80	1	O-Ring
3	95-8693	1	Motor-Hydraulic
4	322-9	2	Screw-HH
5	3256-23	4	Washer-Flat
6	3296-29	2	Nut-Lock, NI
7	56-7971	4	Clamp-Tube
8	95-8783	1	Tube ASM
9	353-990	1	Plug
9:1	237-78	1	O-Ring
11	95-8784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

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



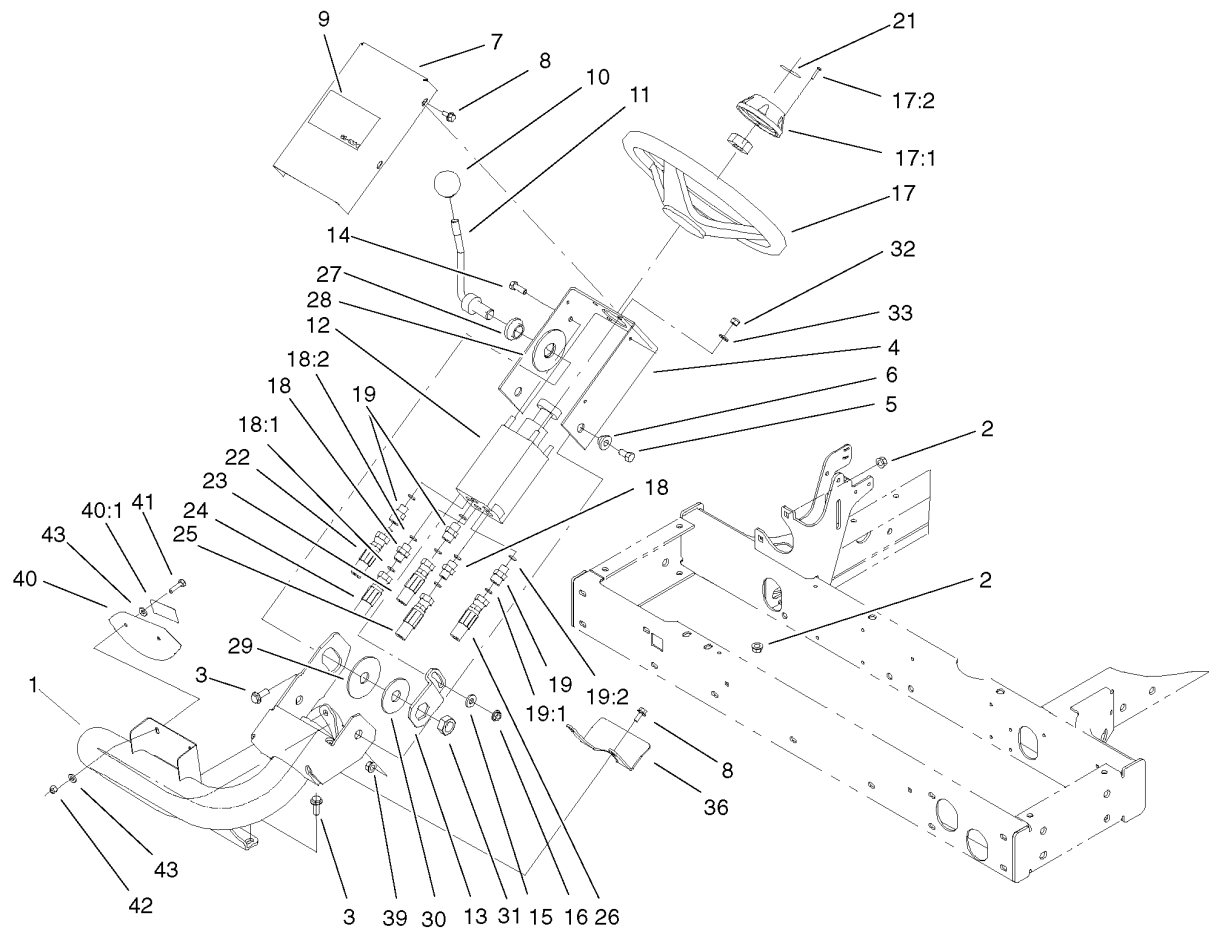
Hydraulic Motor Assembly No. 75-9990

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



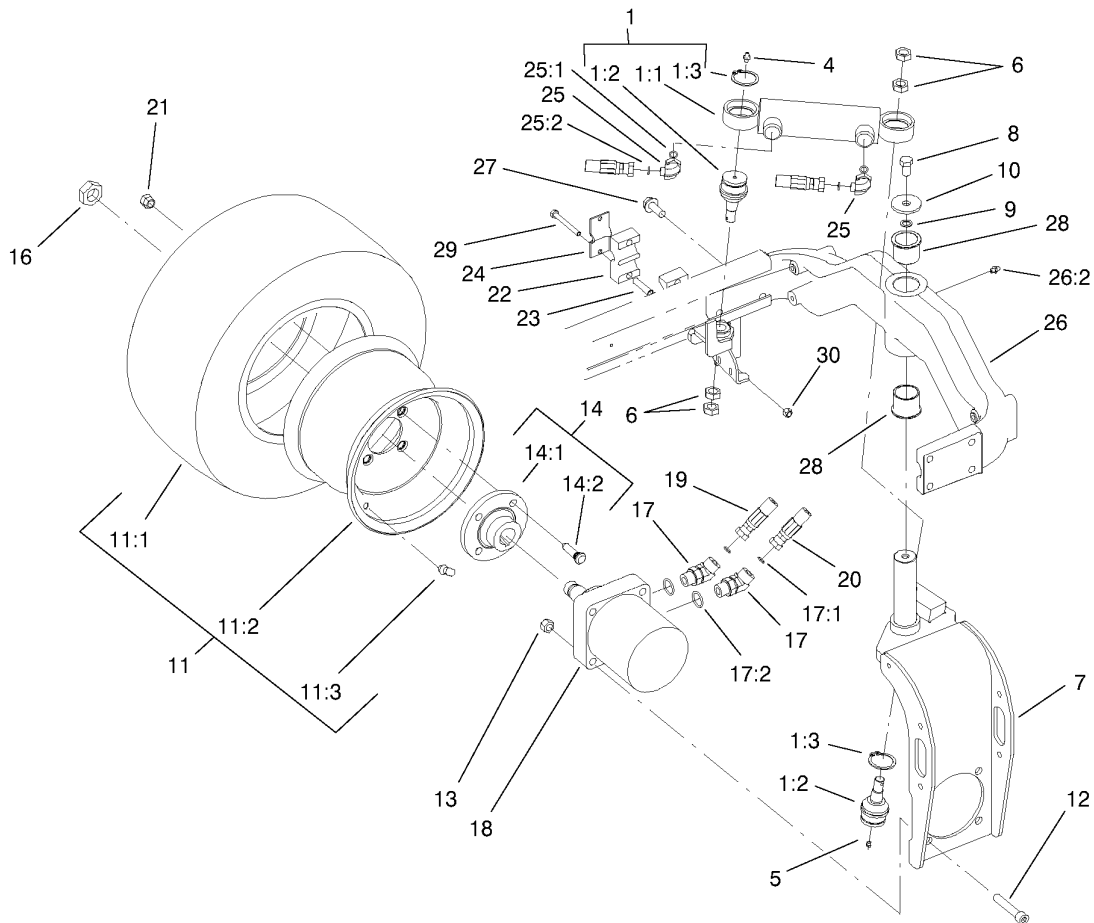
Hydraulic Motor Assembly No. 95-8693

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



Steering Column Assembly

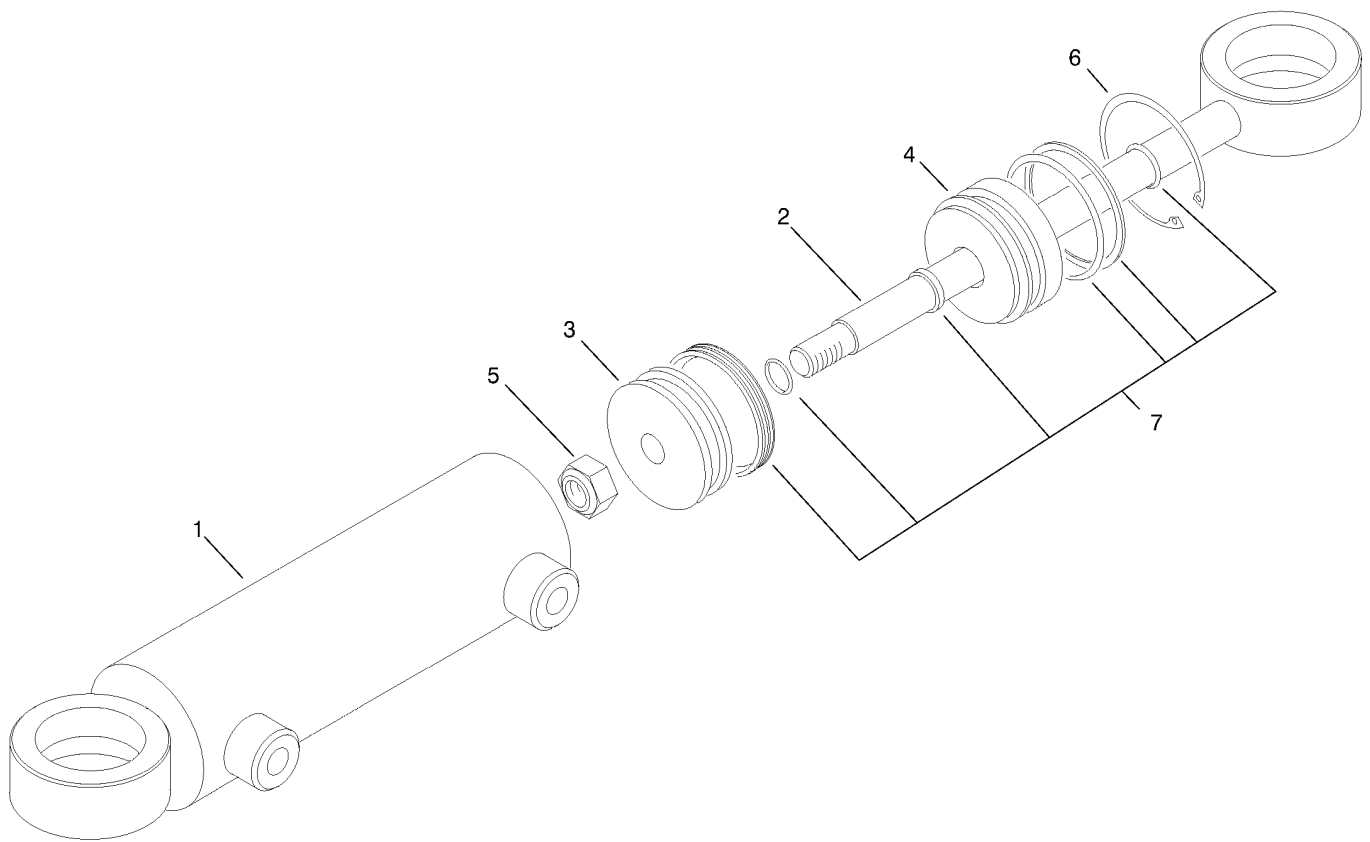
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	100-4896-01	1	Arm-Steering	19:2	237-42	1	O-Ring
2	32128-43	4	Nut-Flange	21	68-5370	1	Decal-Toro
3	3234-11	4	Screw-HHF	22	95-8842	1	Hose ASM
4	95-8793-01	1	Bracket-Valve, Steering	23	95-8843	1	Hose ASM
5	323-5	2	Screw-HH	24	95-8844	1	Hose ASM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



Rear Fork And Tire Assembly

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

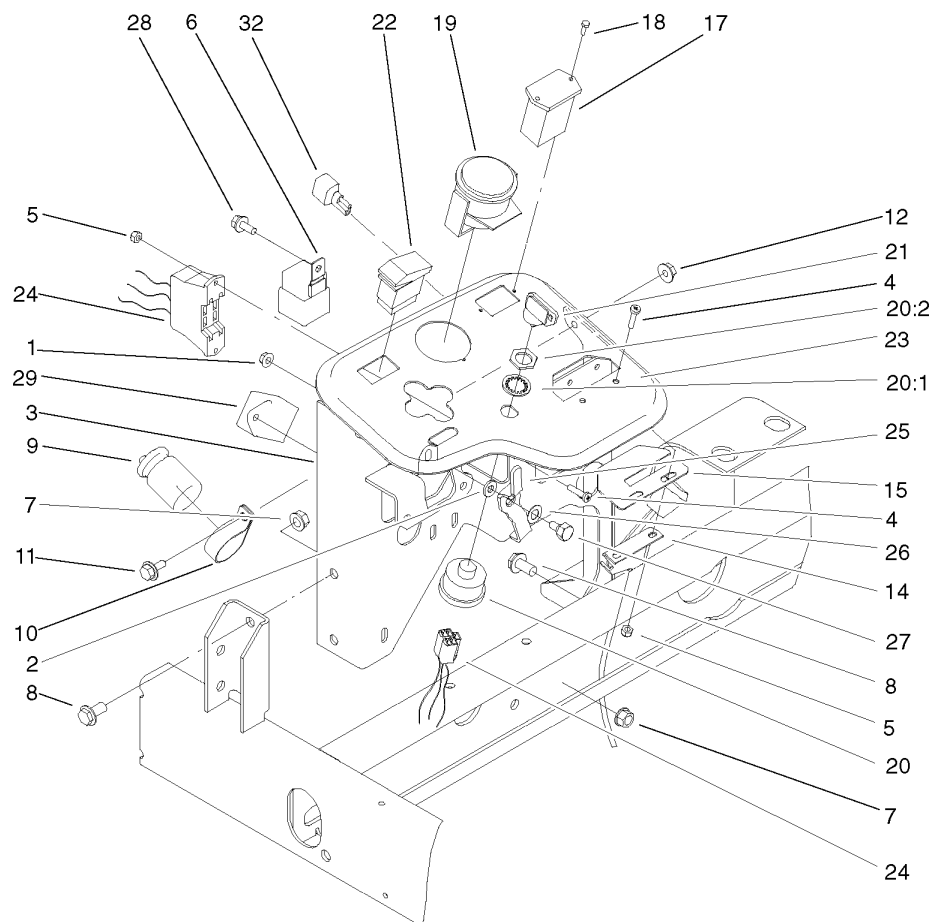
Ref	Part No.	Qty.	Description
18	95-8694	1	Motor-Hydraulic
19	95-8832	1	Hose ASM
20	95-8833	1	Hose ASM
21	242-50	4	Nut-Lug
22	82-8170	2	Clamp
23	93-7960	2	Spacer
24	93-7961	1	Clamp-Drain, Case
25	340-132	2	Elbow-90Ø
25:1	237-78	1	O-Ring
25:2	237-21	1	O-Ring
26	18-3979-03	1	Rear Casting ASM
26:2	302-5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



Hydraulic Cylinder Assembly No. 94-8141

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

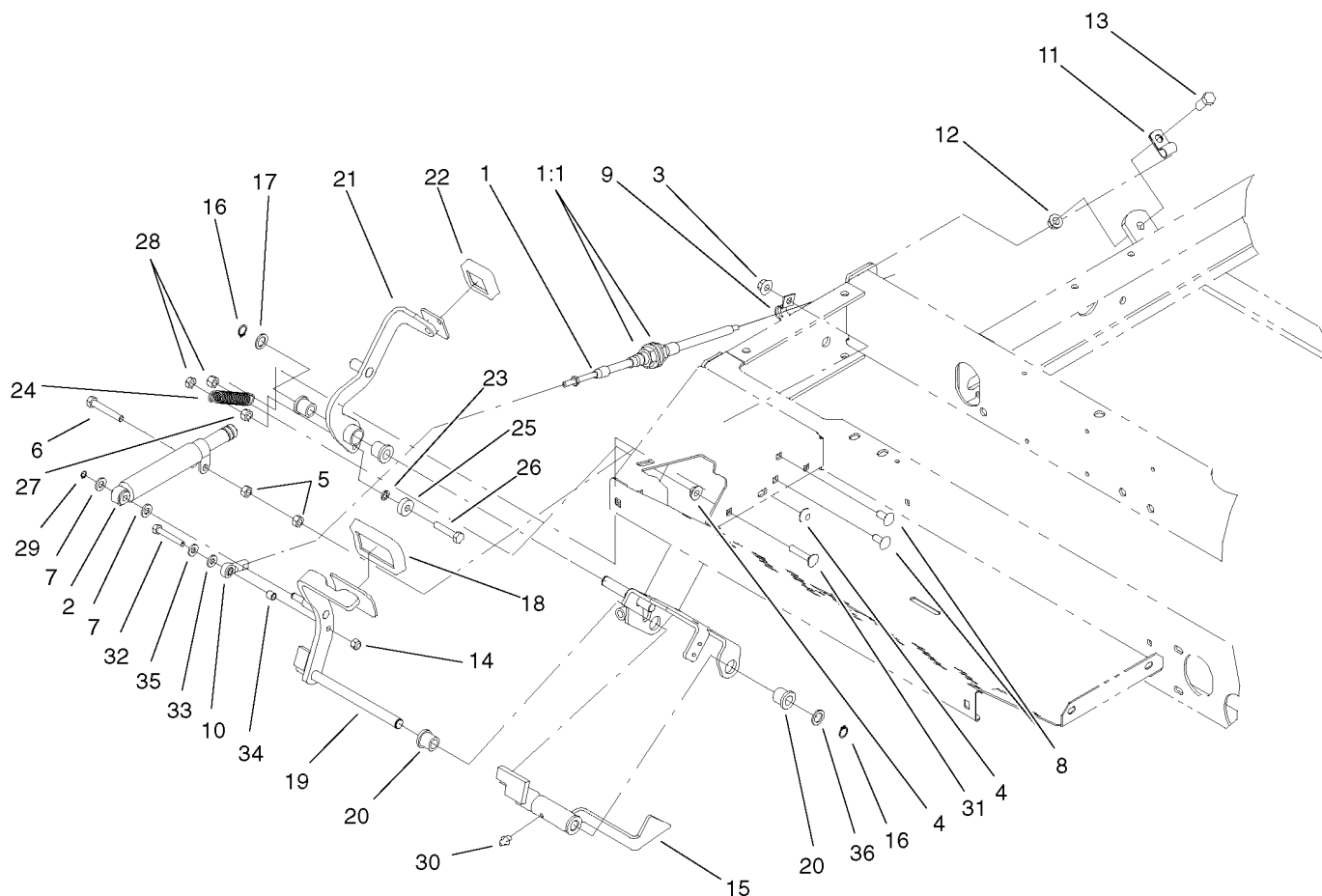
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Control Panel Assembly

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

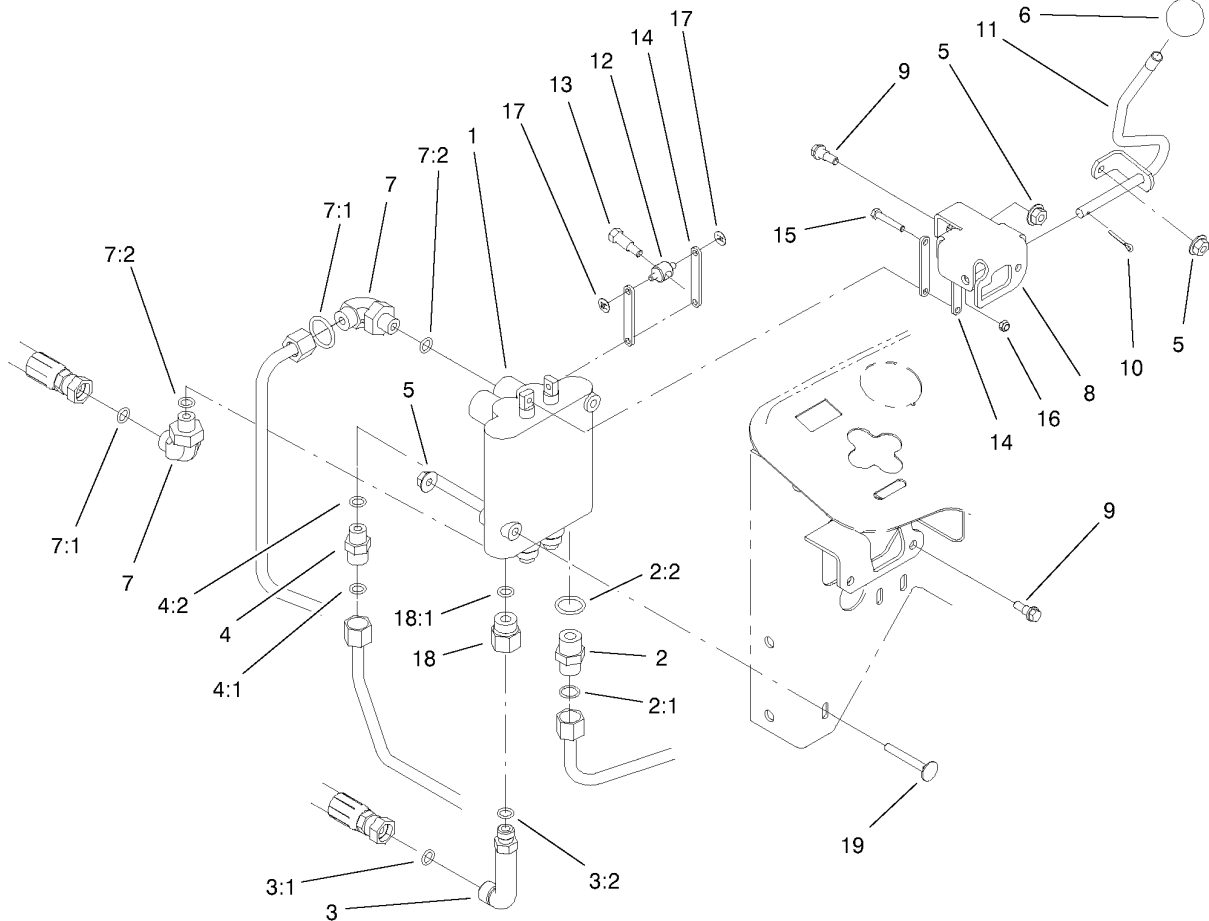
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Traction Pedal Assembly

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

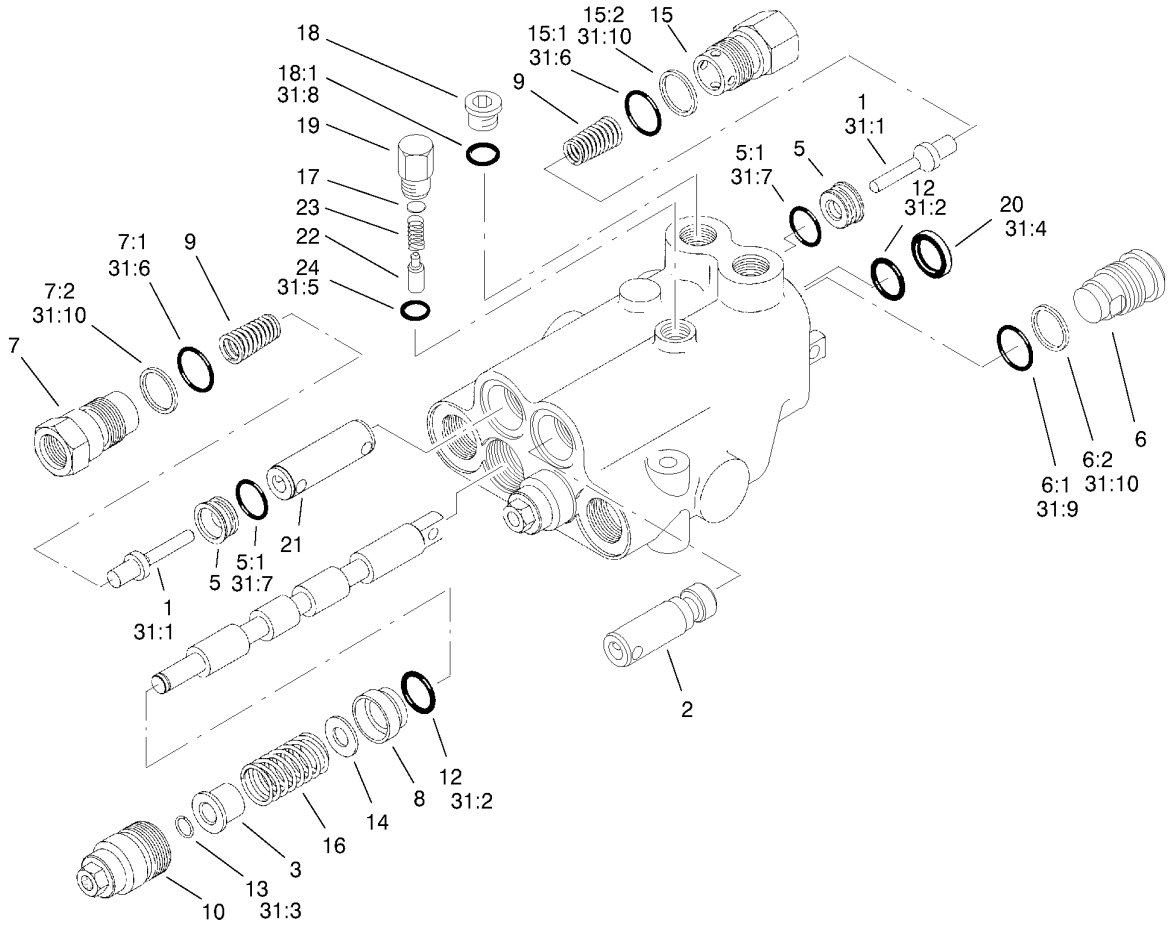
Ref	Part No.	Qty.	Description
24	99-3476	1	Spring-Extension
25	251-259	1	Bearing
26	322-7	1	Screw-HH
27	3296-29	1	Nut-Lock, NI
28	3296-47	2	Nut-Lock, NI
29	32151-3	1	Ring-Grip, Ex
30	302-5	1	Fitting-Lube
31	3230-27	1	Screw-CARR
32	321-9	1	Screw-HH
33	33093-00	1	Washer-Flat
34	99-3545	1	Spacer
35	3256-22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



Control Valve Assembly

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

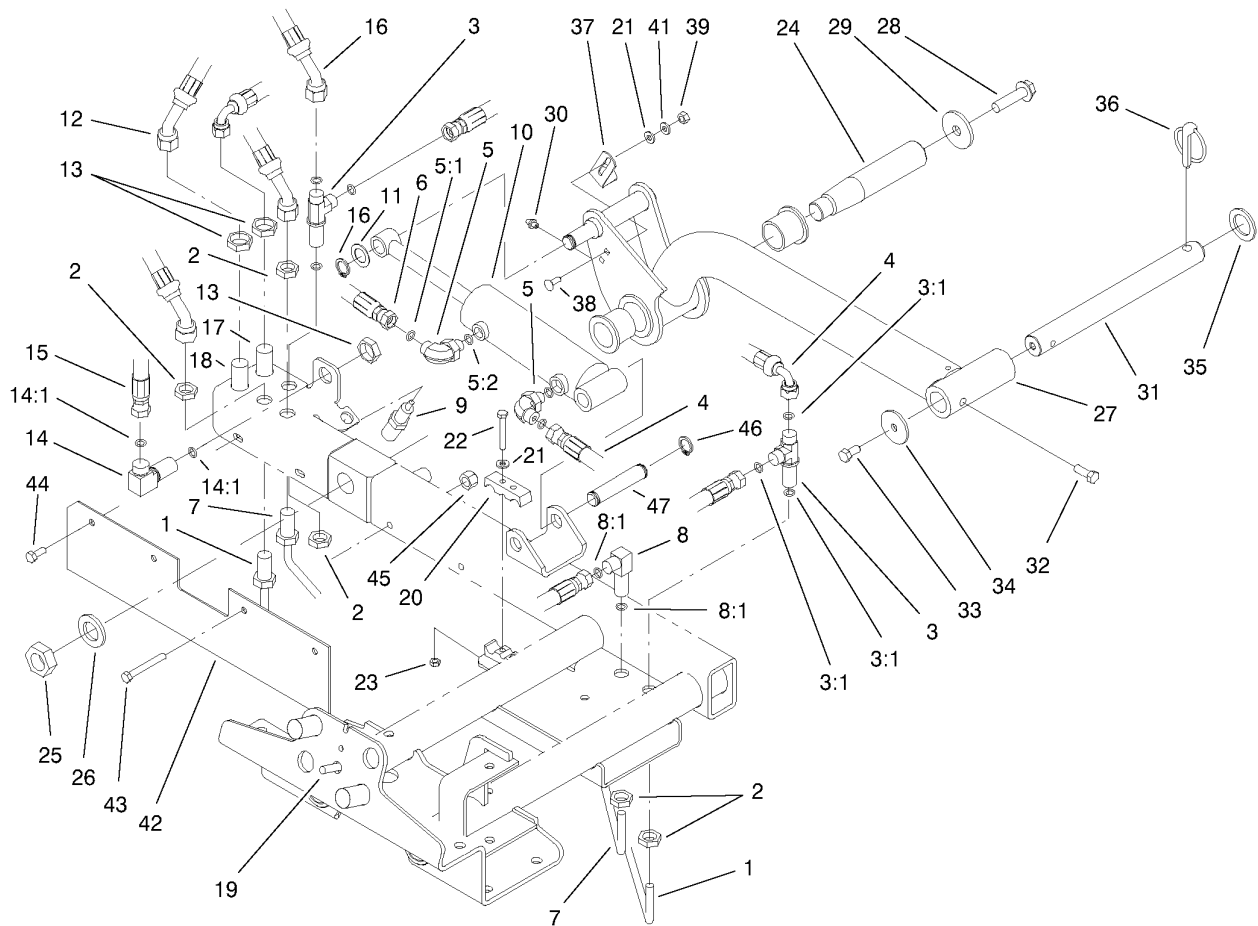
Ref	Part No.	Qty.	Description
17	93-3988	2	Pushnut-Tinnerman
18	353-397	1	Reducer-Adapter
18:1	237-79	1	O-Ring
19	3230-33	2	Screw-CARR



Valve Assembly No. 95-8581

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

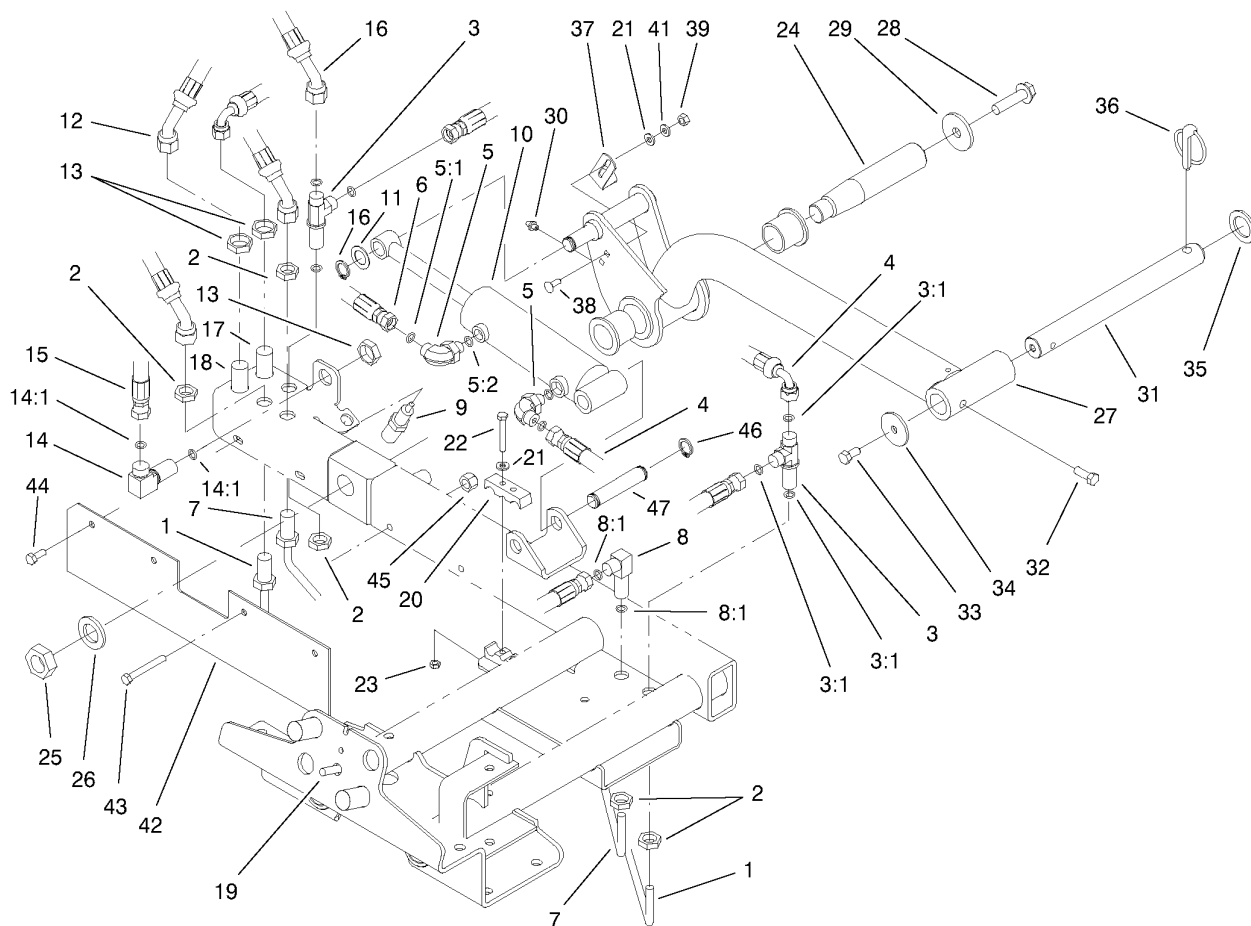
Ref	Part No.	Qty.	Description
19	58-6780	1	Plug
20	58-6320	2	Wiper
21	99-3528	1	Plunger
22	58-6770	1	Plunger
23	58-6760	1	Spring
24	58-6790	1	O-Ring
31	99-3530	1	Kit-Seal
31:1	58-6290	3	Poppet
31:2	58-6450	4	O-Ring
31:3	58-6460	2	Ring
31:4	58-6320	2	Wiper
31:5	58-6790	1	O-Ring
31:6	60-5720	2	Ring
31:7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



Rear Liftarm Assembly

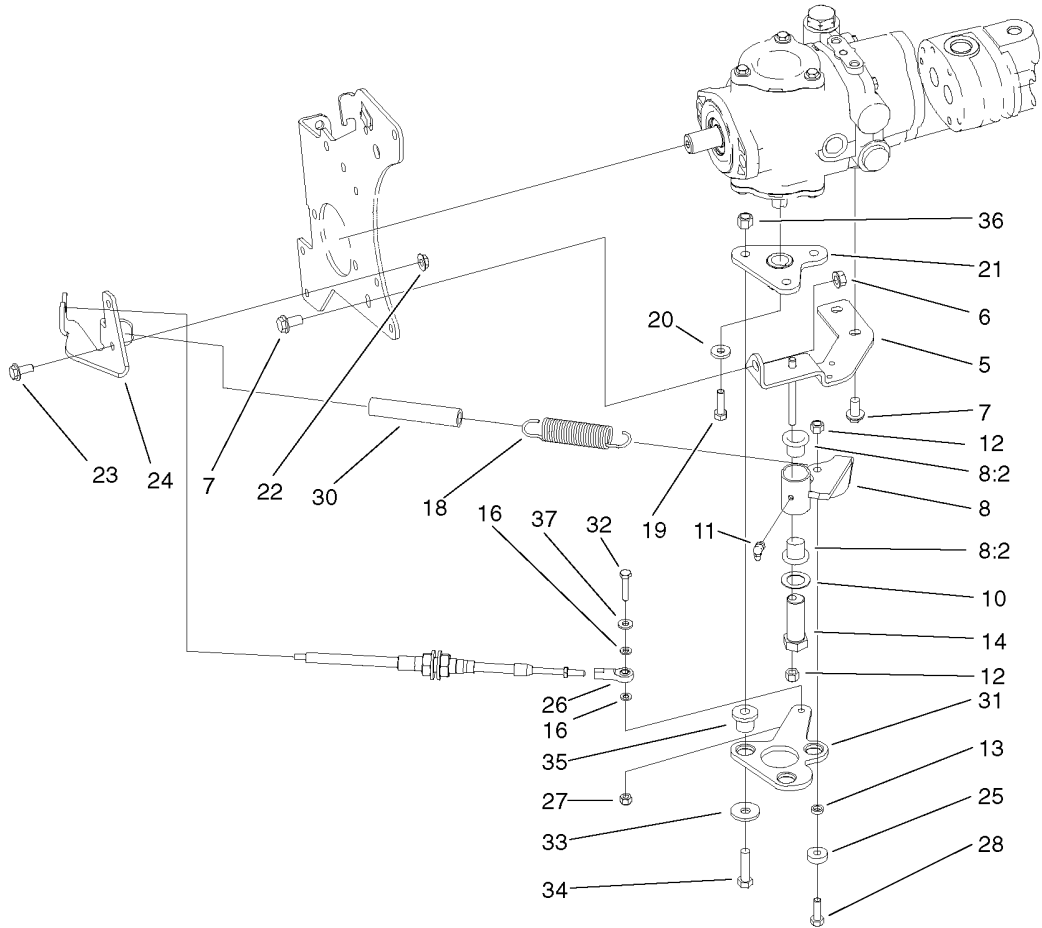
Ref	Part No.	Qty.	Description
1	95-8984	1	Tube ASM
2	340-70	5	Locknut-Bulkhead
3	340-68	2	Fitting-Tee, Bulkhead
3:1	237-22	6	O-Ring
4	95-8831	1	Hose ASM
5	340-77	2	Fitting-HYD., 90°
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	95-8823	1	Hose ASM
7	95-8983	1	Tube ASM
8	340-154	1	Union-Bulkhead
8:1	237-22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

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



Rear Liftarm Assembly (continued)

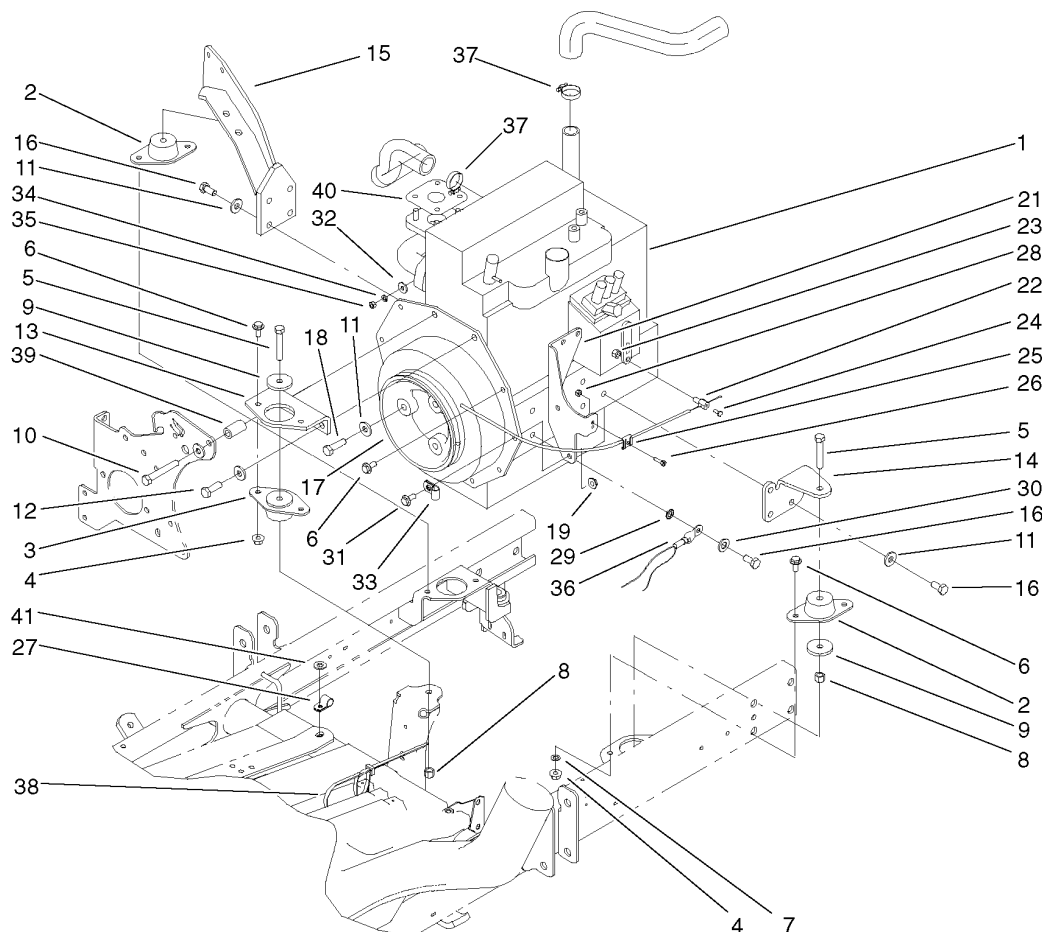
Ref	Part No.	Qty.	Description
45	3296-29	4	Nut-Lock, NI
46	32120-93	3	Ring-Retaining
47	95-8575	1	Pin
②*99	3290-379	1	Tie-Cable



Neutral Arm Assembly

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

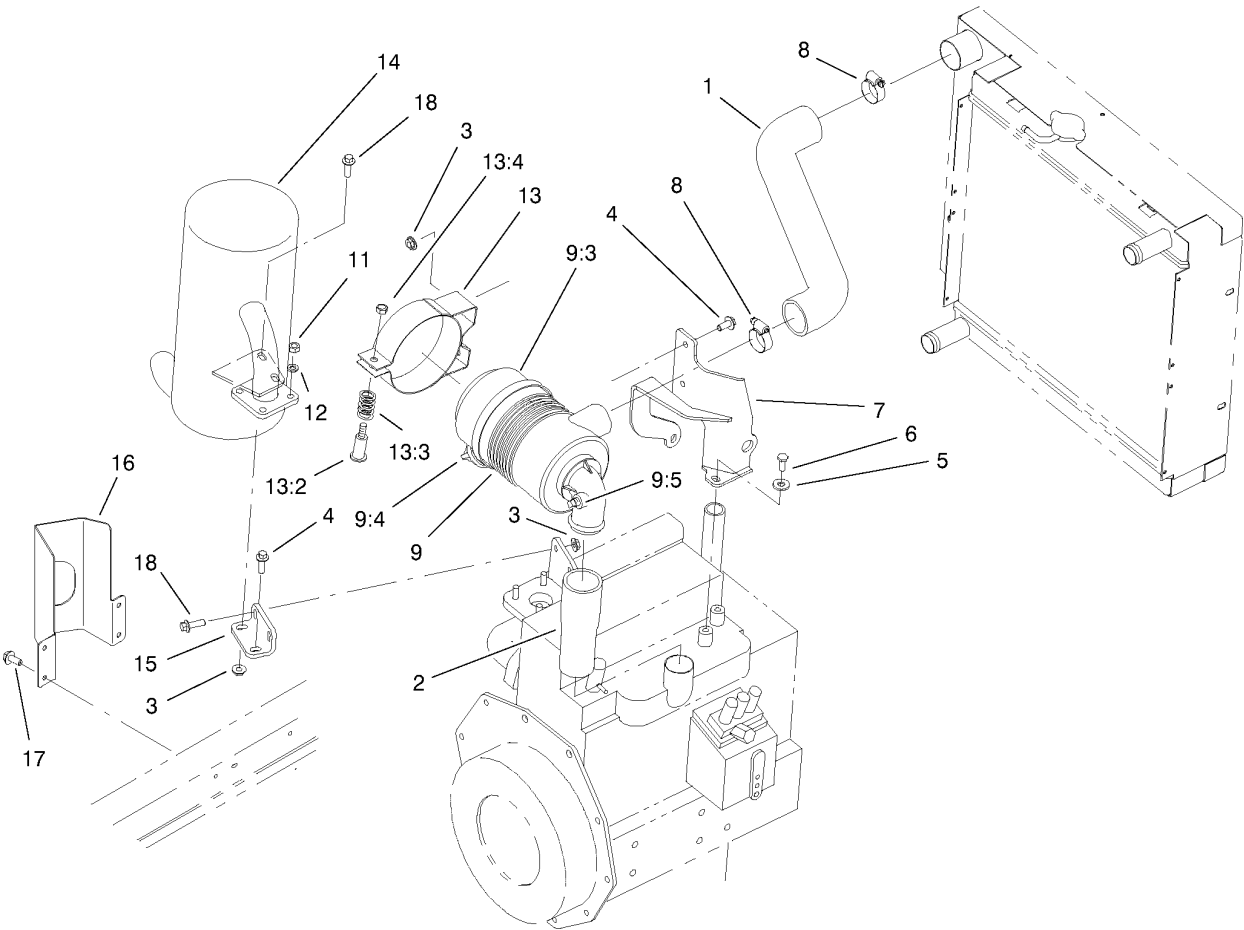
Ref	Part No.	Qty.	Description
32	321-8	1	Screw-HH
33	2844	3	Washer
34	95-3857	3	Screw-Head, Button
35	63-9750	3	Mount
36	3296-39	3	Nut-Lock, NI
37	3256-22	1	Washer-Flat



Engine Assembly

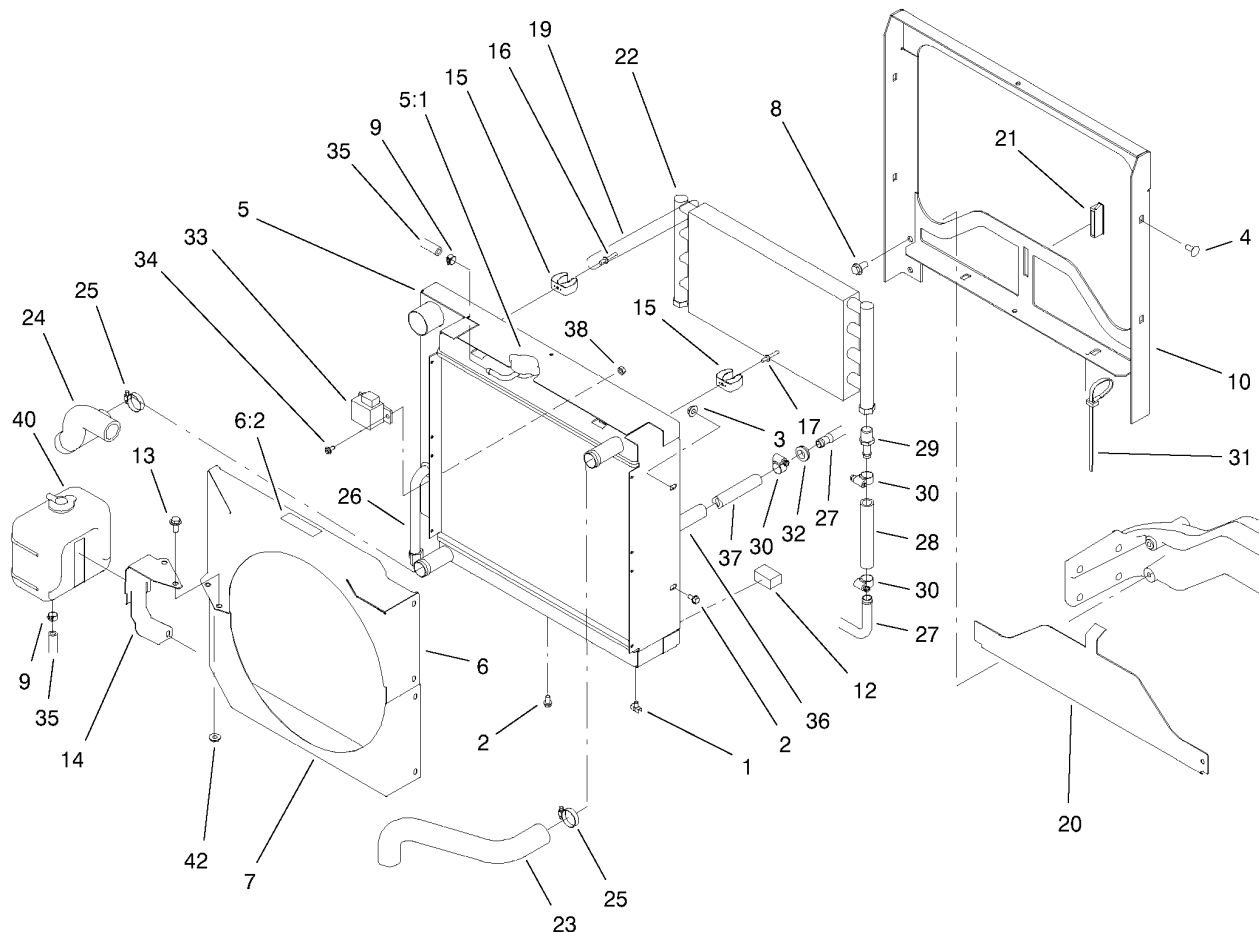
Ref	Part No.	Qty.	Description
1	95-8912	1	Engine-Kubota,D1105-Eb-Toro-2-S1
2	83-1030	2	Mount-Engine
3	93-5265	1	Mount-Engine
4	32128-20	6	Nut-HF
5	323-11	3	Screw-HH
6	3234-5	7	Screw-HHF
7	3255-8	1	Washer-Lock/EXT
8	3296-39	3	Nut-Lock, NI
9	80-8560	3	Washer-Hardened
10	42-9370	1	Bolt/Washer
11	80-6990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

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



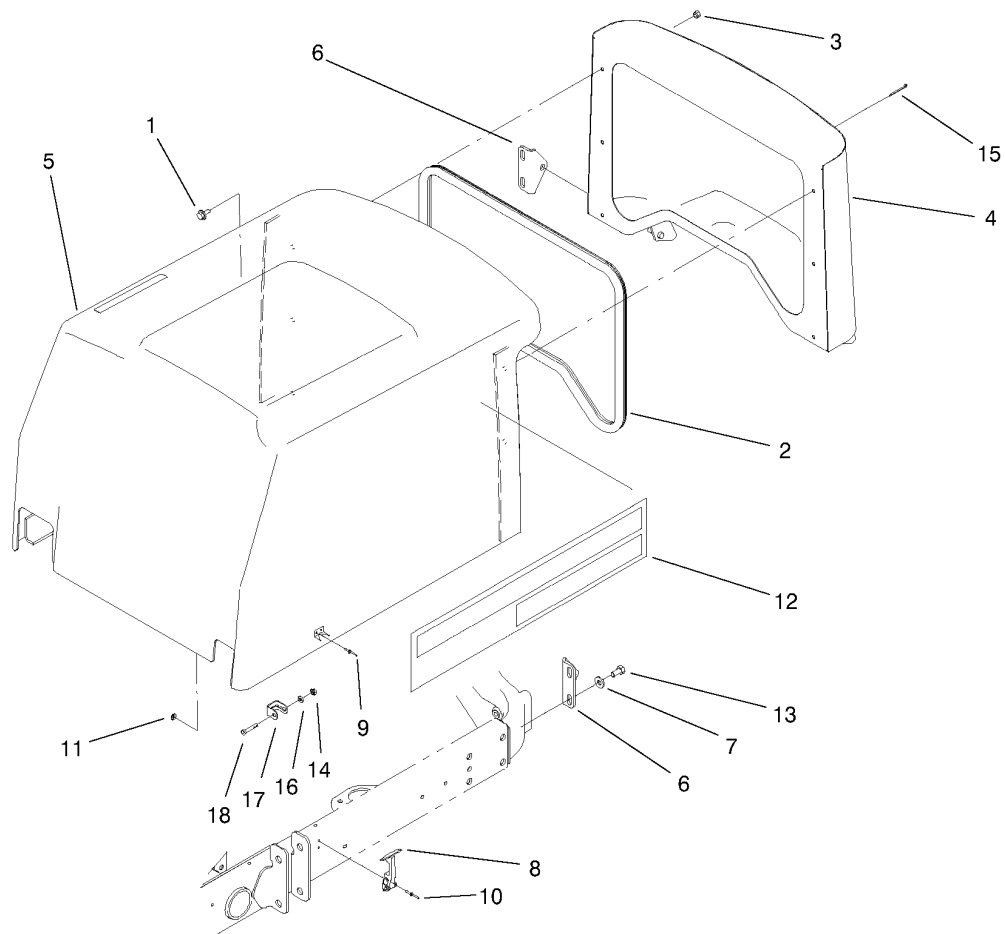
Air Cleaner And Muffler Assembly

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



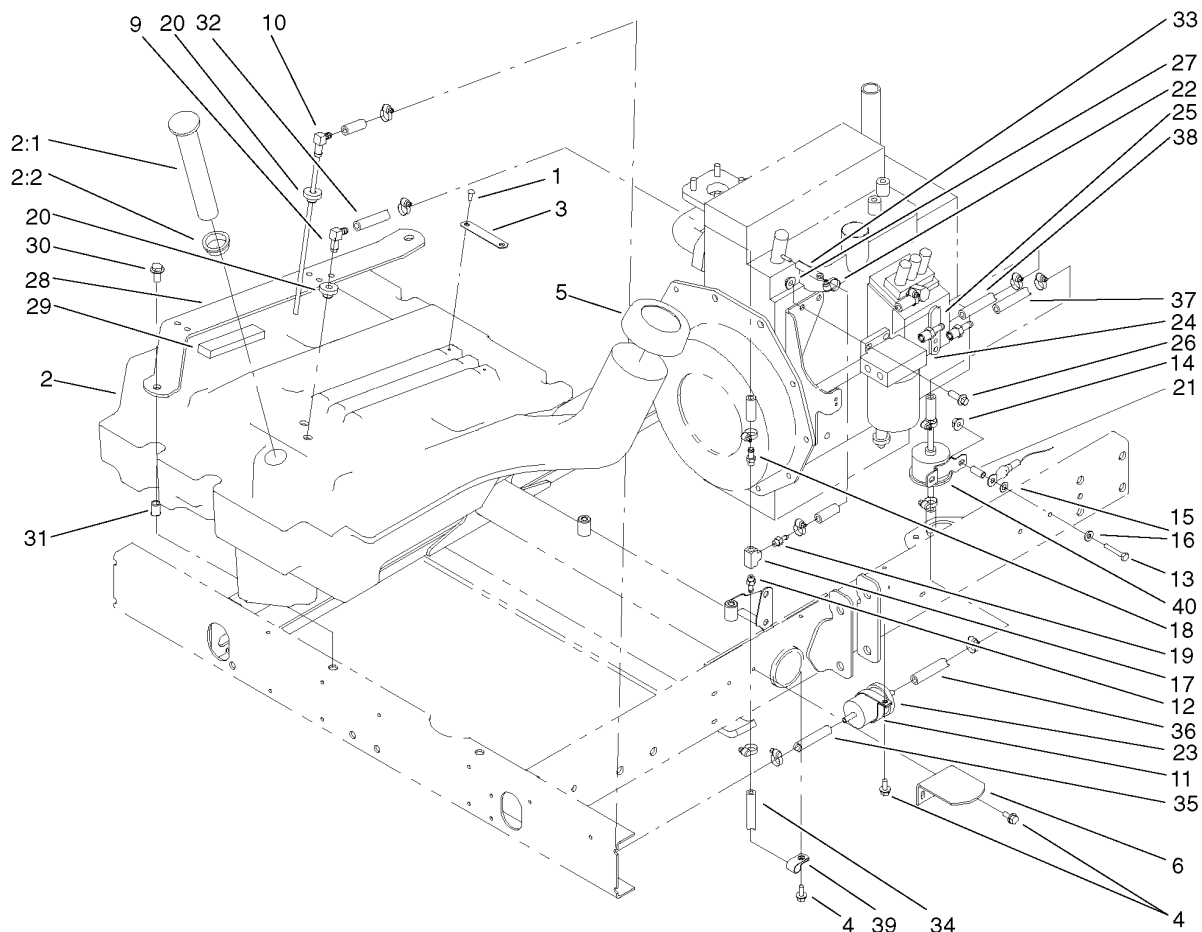
Radiator Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	304-46	1	Draincock	25	2412-34	2	Clamp-Hose
2	32104-116	11	Screw	26	95-8704	1	Tube-Hydro
3	32128-44	4	Nut	27	95-8705	1	Tube-Hydro
4	3230-1	4	Screw-CARR	28	95-8706	2	Hose-Hydro
5	95-8934	1	Radiator	29	95-8710	2	Fitting-Barb
5:1	93-5957	1	Cap-Radiator	30	2412-36	5	Clamp-Hose
6	99-3580	1	Shroud-Fan, Top	31	3290-378	2	Tie-Cable
6:2	93-6681	1	Decal-Warning, Fan	32	99-3481	2	Grommet
7	99-3360-03	1	Shroud-Fan, Bottom	33	66-8800	1	Relay
8	3234-1	4	Screw-HHF	34	32105-13	2	Screw-SHH
9	92-2379	2	Clamp-Hose	35	63-7623	1	Hose-Fuel
10	100-4903-03	1	Radiator Frame ASM	36	56-7985	1	Sleeve-Protective
12	95-8962	2	Seal-Foam, Radiator	37	99-3500	1	Hose
13	3234-5	2	Screw-HHF	38	3296-2	2	Nut-Lock
14	95-8879-03	1	Bracket-Reservoir	40	98-9323	1	Bottle-Overflow,Water
15	95-8939	2	Spring-Clip	42	32128-20	2	Nut-HF
16	3269-22	1	Rivet-Pop	●*99	3290-379	1	Tie-Cable
17	3269-23	1	Rivet-Pop				
19	99-3390	1	Lanyard				
20	95-8702-03	1	Shield-Radiator,Lower				
21	99-3497	1	Magnet				
22	75-1040	1	Cooler-Oil				
23	95-8944	1	Hose-Radiator,Upper				
24	95-8945	1	Hose-Radiator,Lower				



Hood Assembly

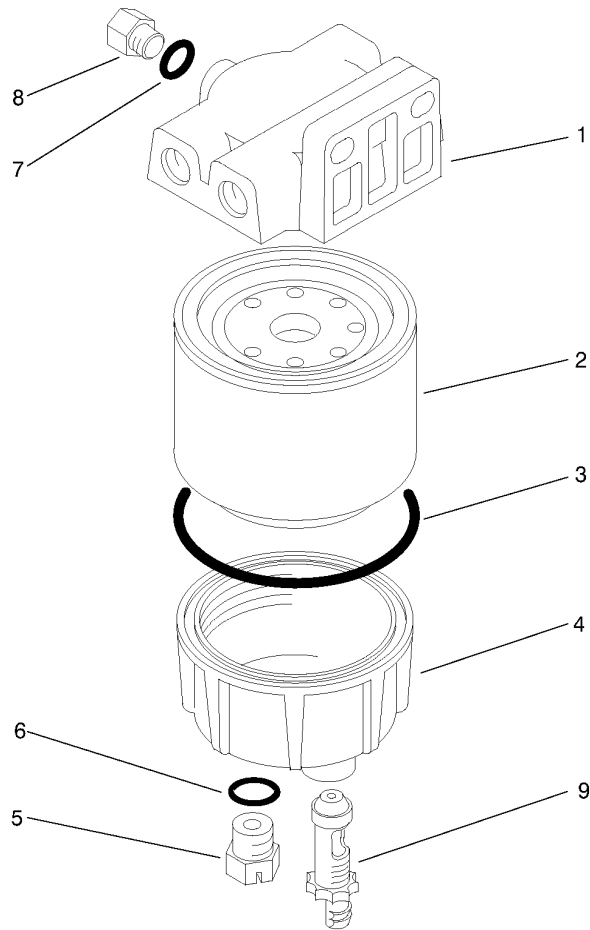
Ref	Part No.	Qty.	Description				
1	3234-4	6	Screw-HHF				
2	95-8809	1	Trim-Seal				
3	3296-42	6	Nut-Lock				
4	95-8724-03	1	Screen-Hood				
5	95-8935	1	Hood ASM				
6	95-8728	2	Bracket-Pivot, Hood				
7	3256-24	4	Washer-Flat				
8	59-9740	2	Flex Draw Latch ASM				
9	98-7310	4	Rivet				
10	3290-55	4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



Fuel System

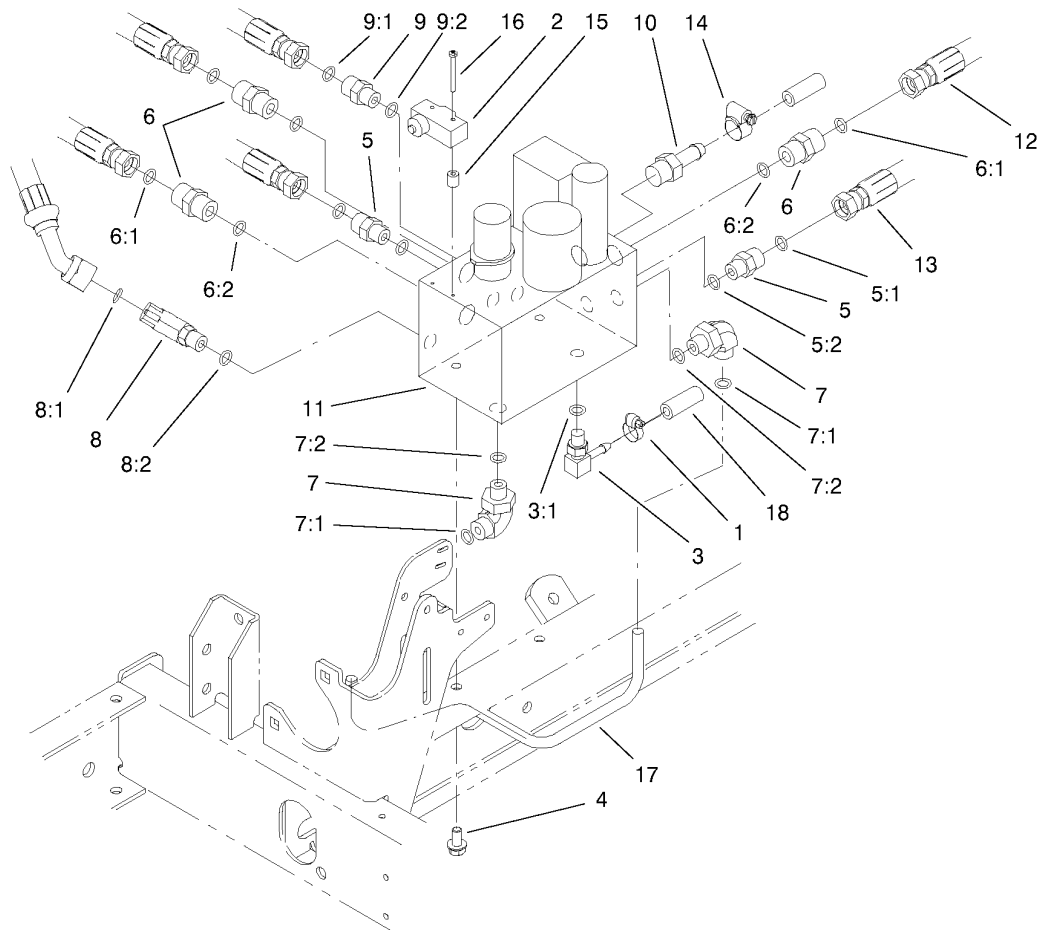
Ref	Part No.	Qty.	Description
1	321-2	2	Screw-HH
2	95-8620	1	Tank-Fuel
2:1	95-8971	1	Guage-Fuel
2:2	95-8972	1	Grommet
3	95-8881	1	Strap-Line, Fuel
4	32144-10	4	Screw-HWH
5	95-4193	1	Diesel Gas Cap ASM
6	95-8968-03	1	Support-Tank, Fuel
9	46-6550	1	Elbow-Connector, 90DEG
10	66-8121	1	Standpipe
11	2412-148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

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



Water / Fuel Filter Assembly No. 98-9305

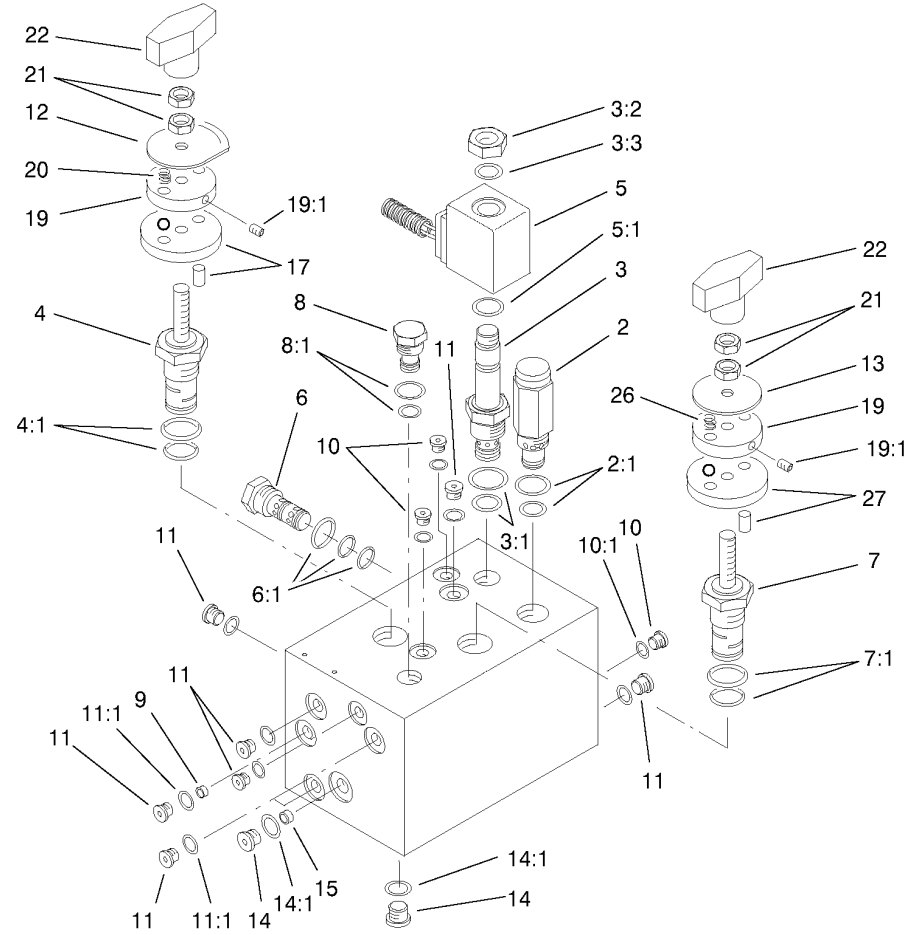
Ref	Part No.	Qty.	Description				
1	98-9772	1	Head-Filter				
2	98-9764	1	Element-On, Spin				
3	98-9774	1	O-Ring-Base, Filter				
4	98-9775	1	Base-Filter				
5	98-9773	1	Plug-Base, Filter				
6	237-42	1	O-Ring				
7	237-78	1	O-Ring				
8	98-9776	1	Plug-Filter, Head				
9	98-9777	1	Drain Valve ASM				



Manifold Block Assembly

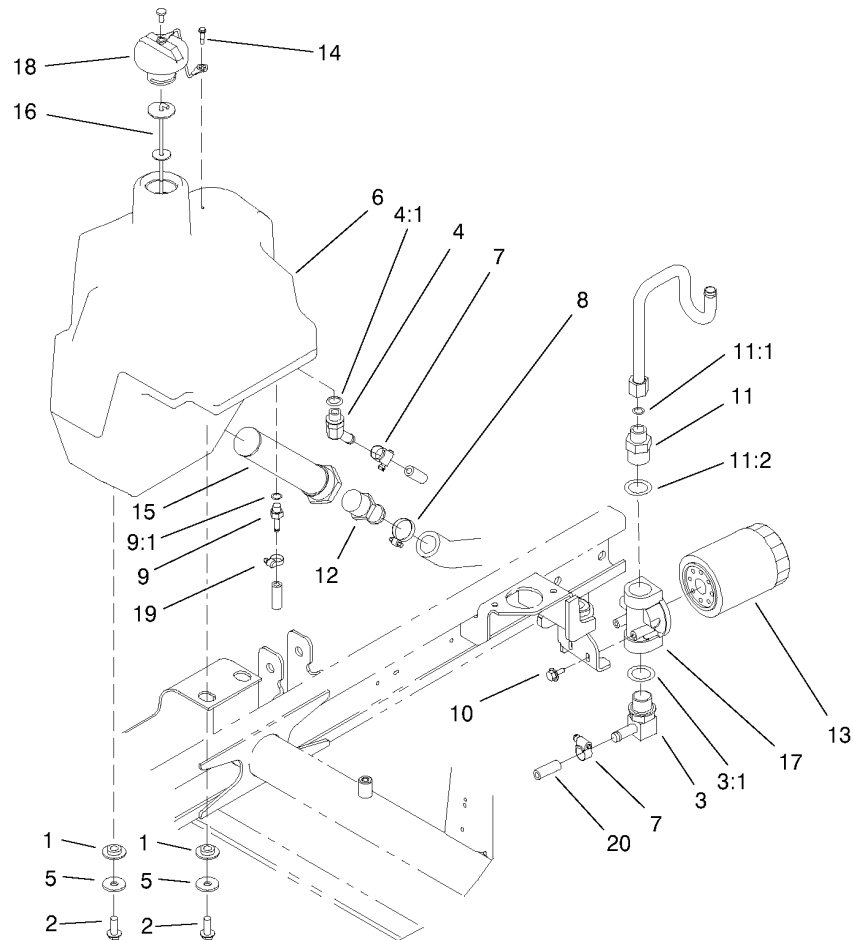
Ref	Part No.	Qty.	Description
1	2412-108	1	Clamp-Worm
2	29-6162	1	Switch-Micro
3	304-99	1	Stem-Hose
3:1	237-78	1	O-Ring
4	3234-5	2	Screw-HHF
5	340-2	2	Adapter
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-4	3	Adapter
6:1	237-30	1	O-Ring
6:2	237-79	1	O-Ring
7	340-77	2	Fitting-HYD., 90°
7:1	237-22	1	O-Ring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

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



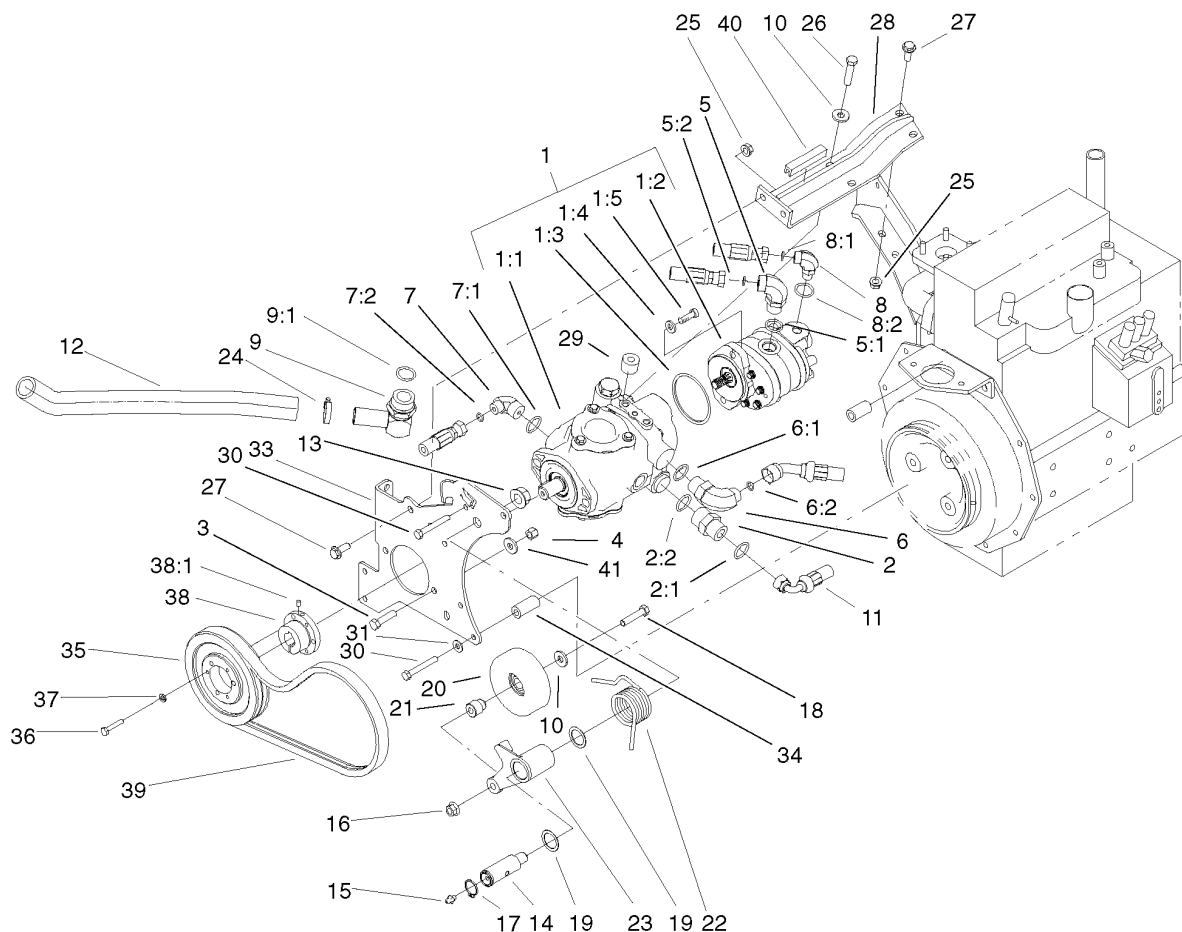
Hydraulic Manifold Assembly No. 95-8675

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



Hydraulic Tank Assembly

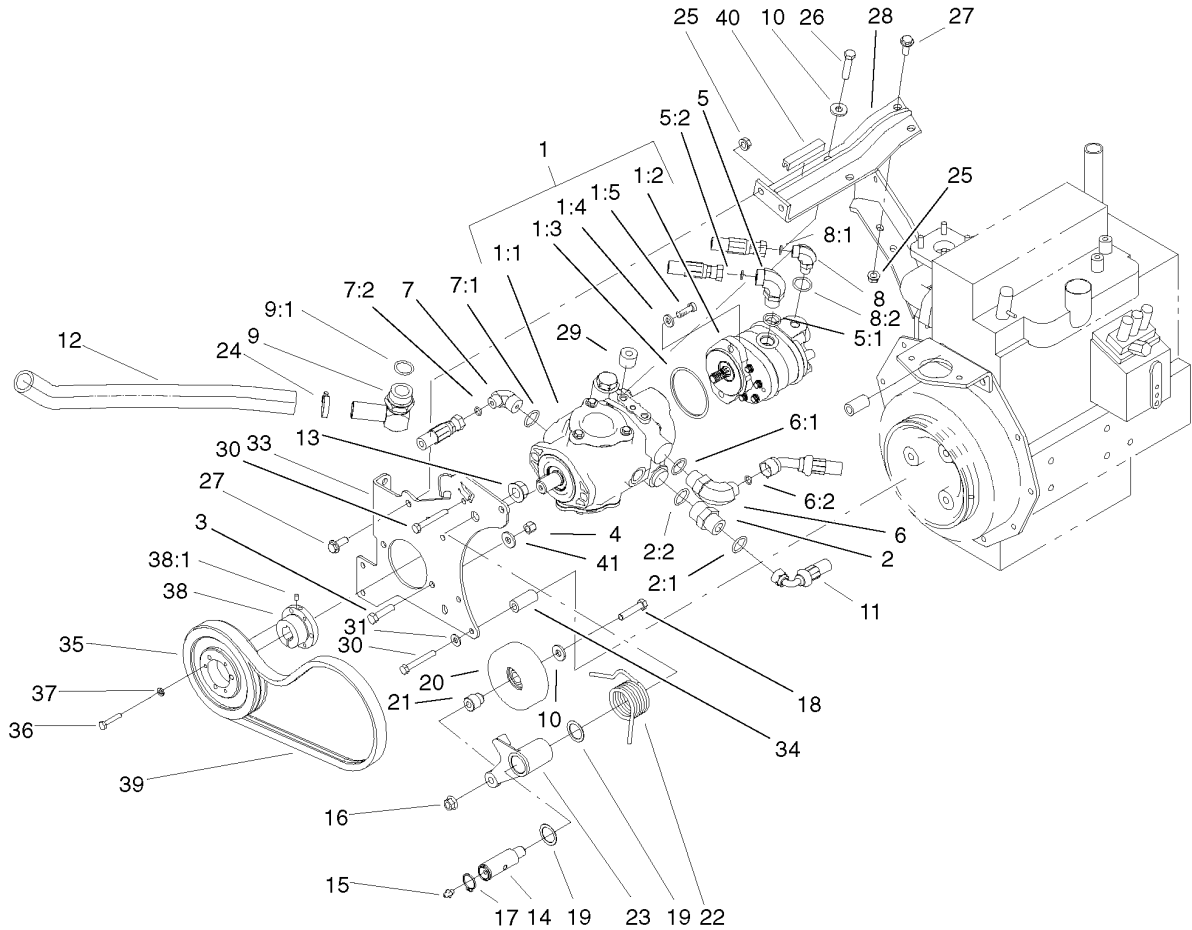
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	240-11	4	Grommet-Mount, Tank	20	99-3501	1	Hose
2	3234-11	4	Screw-HHF	21	3290-379	1	Tie-Cable
3	95-8814	1	Fitting-Barb, 90°				
3:1	237-81	1	O-Ring				
4	354-126	1	Fitting-HYD, 45°				
4:1	237-79	1	O-Ring				
5	63-8410	4	Washer				
6	95-8708	1	Tank-Hydraulic				
7	2412-36	2	Clamp-Hose				
8	2412-34	1	Clamp-Hose				
9	95-8849	1	Fitting-Straight				
9:1	237-78	1	O-Ring				
10	3234-13	2	Screw-HHF				
11	340-8	1	Adapter				
11:1	237-65	1	O-Ring				
11:2	237-81	1	O-Ring				
12	353-682	1	Fitting-Hose				
13	54-0110	1	Filter-Oil, Transmission				
14	57-5420	1	Screw-Shoulder				
15	75-0550	1	Suction-Strainer				
16	75-3710	1	Dipstick				
17	92-5821	1	Filter Head ASM				
18	93-7160	1	Cap-Oil, Hydraulic				
19	2412-108	1	Clamp-Worm				



Hydrostat Assembly

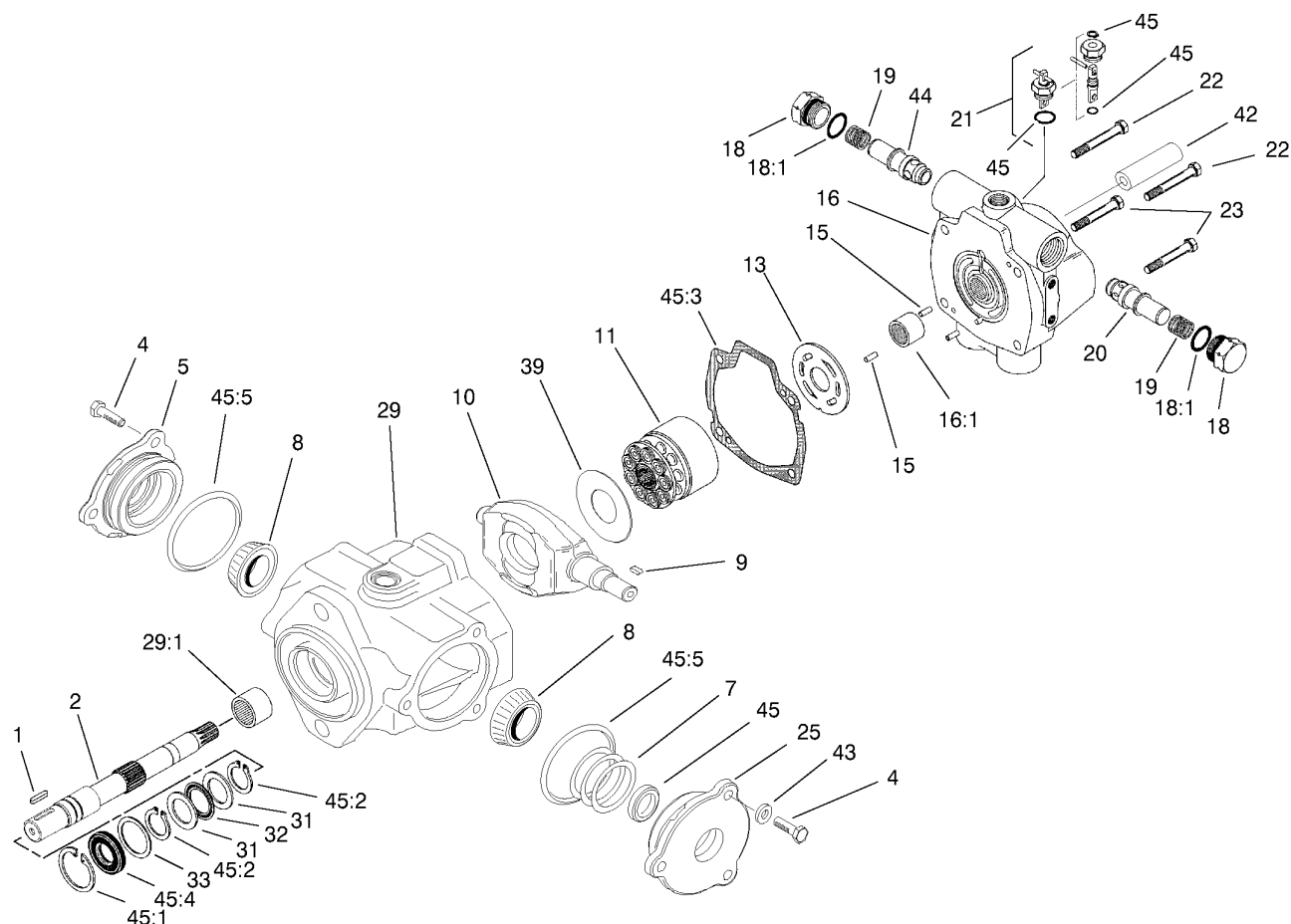
Ref	Part No.	Qty.	Description
1		1	Hydraulic Pump ASM
1:1	104-0428	1	Pump-Piston
1:2	95-8601	1	Pump-Gear
1:3	60-3520	1	O-Ring
1:4	3256-24	2	Washer-Flat
1:5	3274-1	2	Screw-HSH
2	340-8	1	Adapter
2:1	237-65	1	O-Ring
2:2	237-81	1	O-Ring
3	323-8	2	Screw-HH
4	3296-39	2	Nut-Lock, NI
5	340-105	1	Fitting-HYD.,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

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



Hydrostat Assembly (continued)

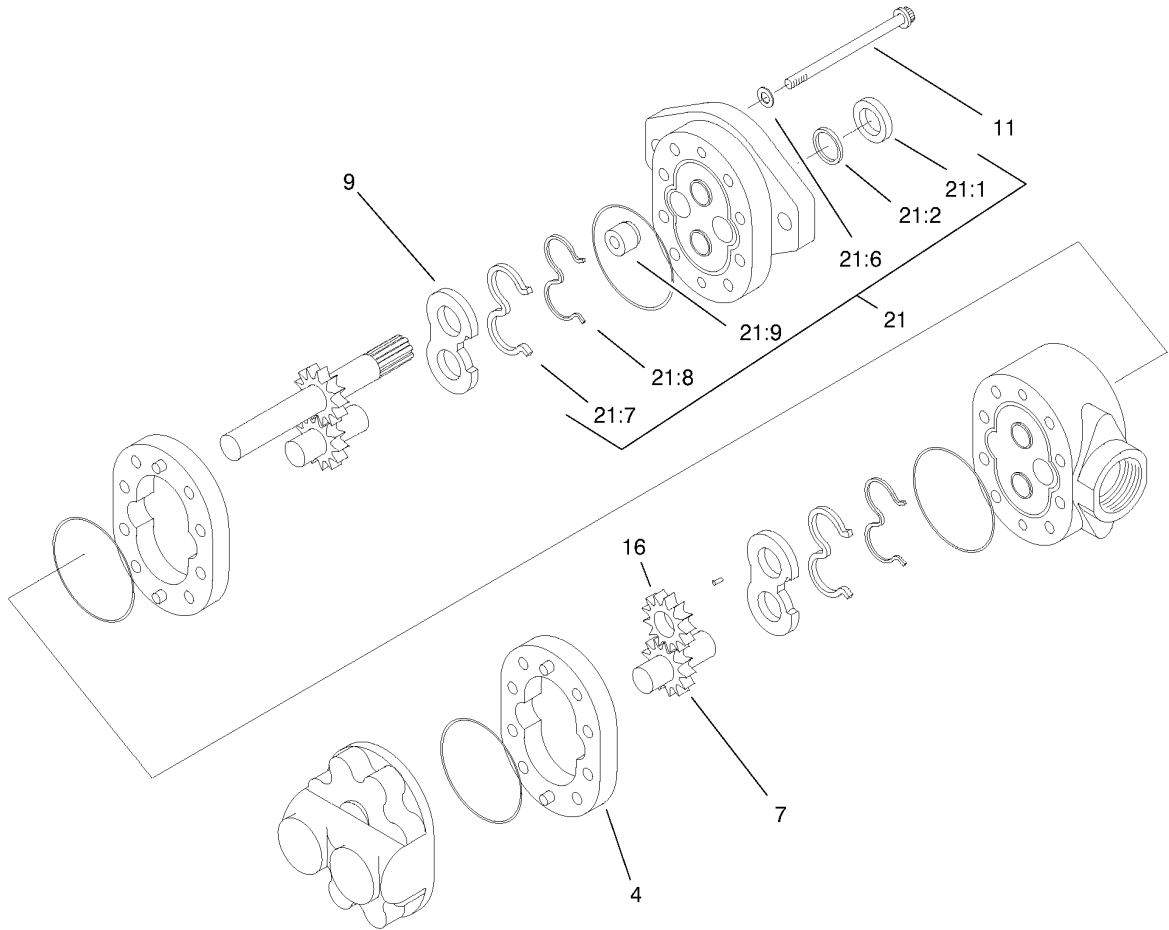
Ref	Part No.	Qty.	Description				
34	95-8941	4	Spacer-Mount, Pump				
35	93-6841	1	Pulley				
36	321-13	3	Screw-HH				
37	3253-3	3	Washer-Lock/Sp				
38	93-6842	1	Bushing-Lock, Taper				
38:1	3245-36	1	Screw-HSH				
39	95-8730	1	V-Belt				
40	70-2041	1	Trim				
41	100-4852	2	Washer-Hardened				
2*99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



Piston Pump Assembly No. 104-0428

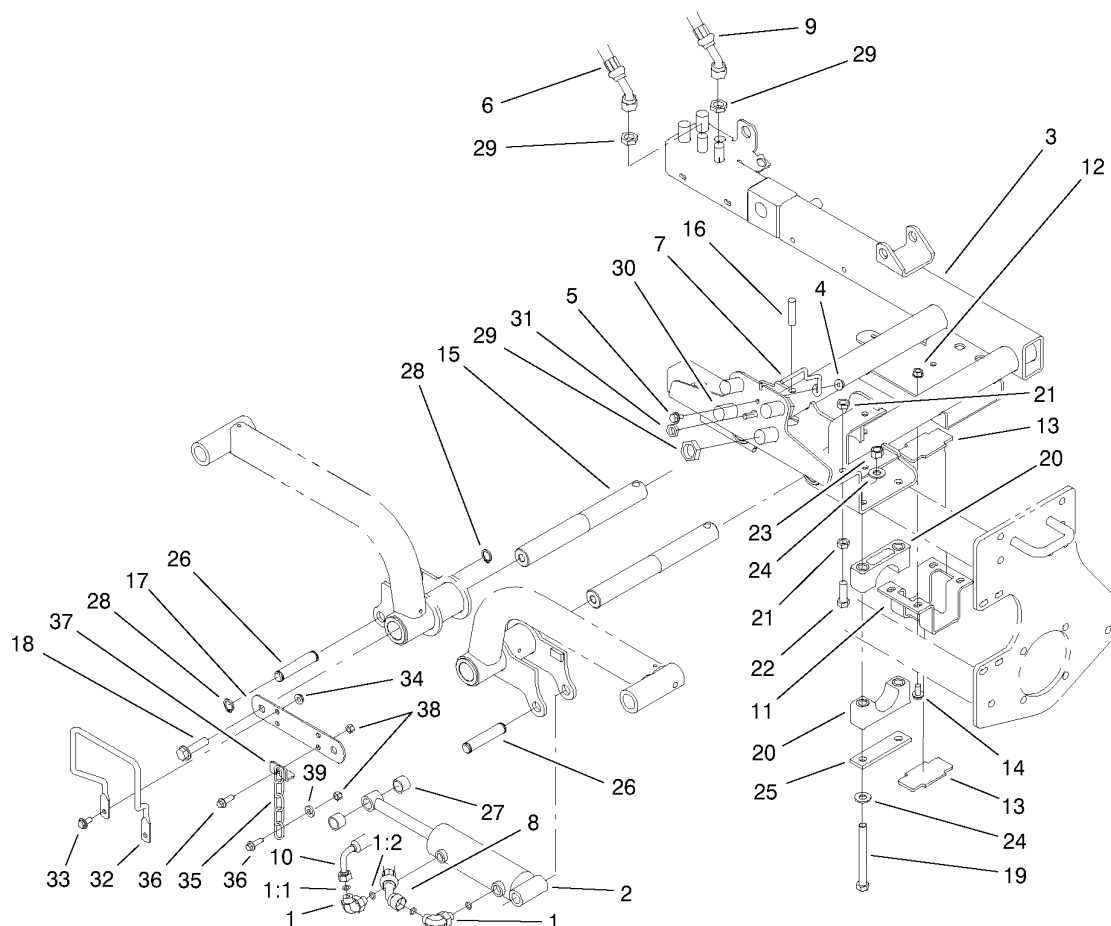
Ref	Part No.	Qty.	Description
1	94-3645	1	Key
2	94-6359	1	Shaft-Drive
4	98-4640	6	Screw-Cap
5	98-4633	1	Cover Plate ASM
7	100-3182	1	Kit-Shim
8	98-4639	2	Bearing-Cone
9	94-3646	1	Key
10	99-3520	1	Plate-Cam
11	76-6070	1	Rotating Kit ASM
13	104-0429	1	Plate-Cam
15	76-6150	2	Pin-Dowel
16	100-3177	1	Back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

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



Gear Pump Assembly No. 95-8601

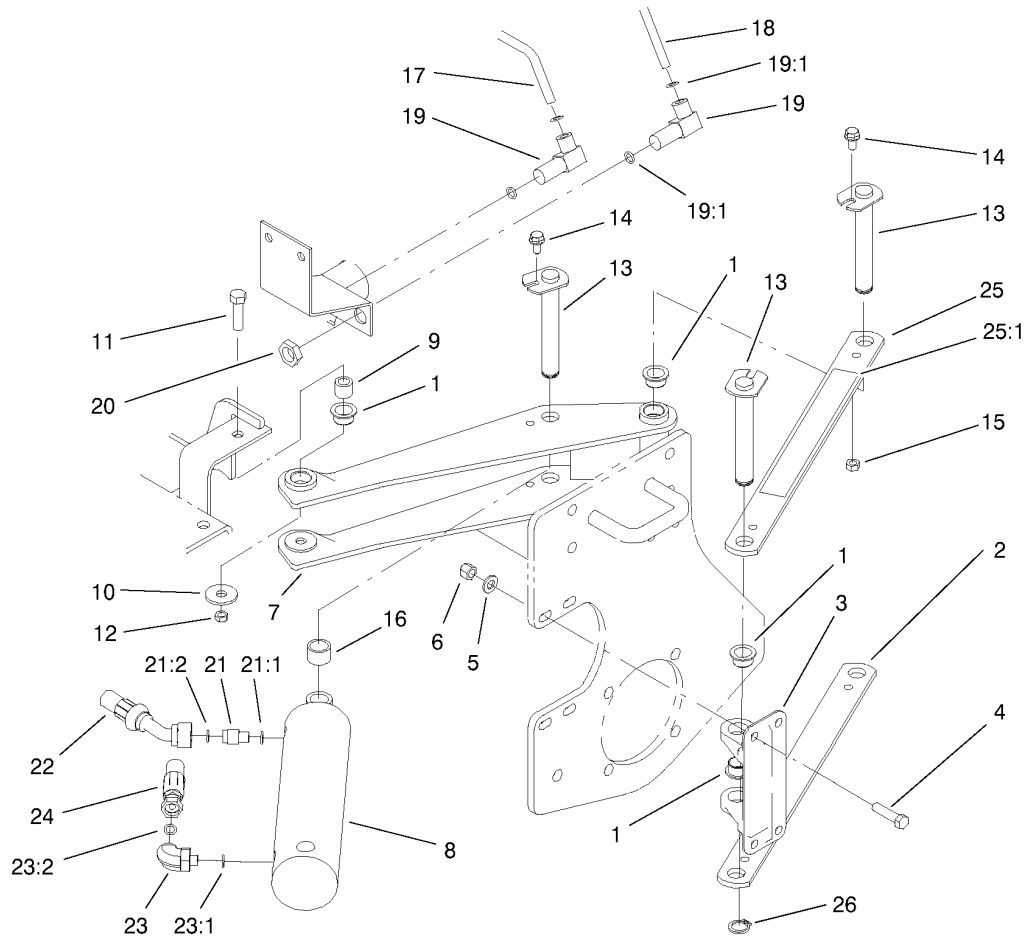
Ref	Part No.	Qty.	Description				
4	95-4364	1	Body				
7	95-4366	1	Gear-Idler				
9	95-4368	2	Plate-Wear				
11	94-8158	8	Screw-Cap				
16	95-4373	1	Gear-Fit, Slip				
21	94-8161	1	Kit-Repair, Seal				
21:1	49-2640	1	Seal-Shaft				
21:2	60-5890	1	Washer				
21:6	94-8160	4	Washer				
21:7	95-4369	2	Seal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



Carrier Assembly

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

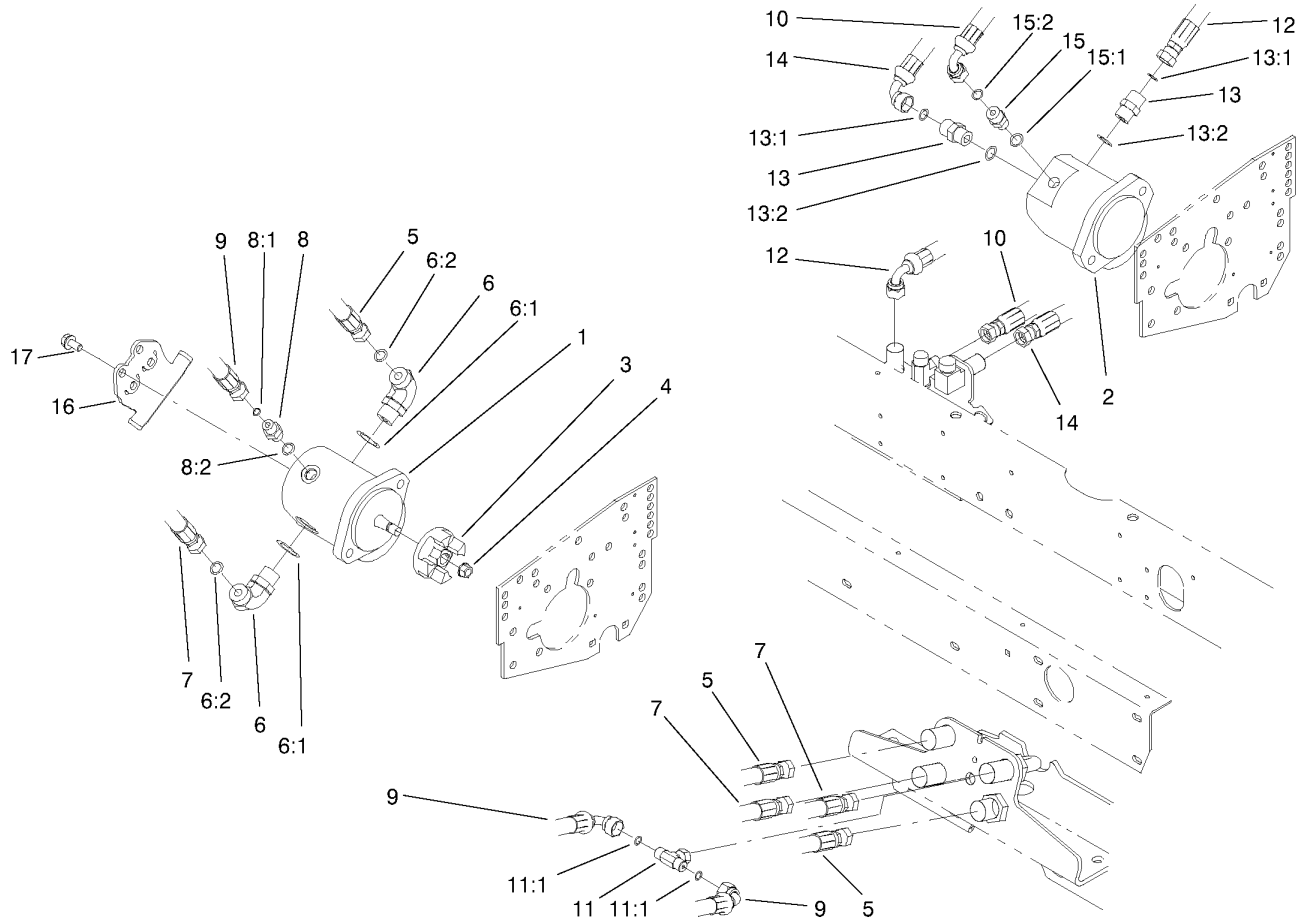
Ref	Part No.	Qty.	Description
23	3296-23	8	Nut-Lock, NI
24	87-7270	16	Washer-Thrust
25	99-3373	4	Bar-Support, Slide
26	95-8575	2	Pin
27	75-9590	2	Spacer-Cylinder
28	32120-93	4	Ring-Retaining
29	340-74	4	Locknut-Bulkhead
30	94-1319	1	Tube-Hydraulic
31	340-78	1	Locknut-Bulkhead
32	99-3492	1	Rod-Formed,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



Scissors Assembly

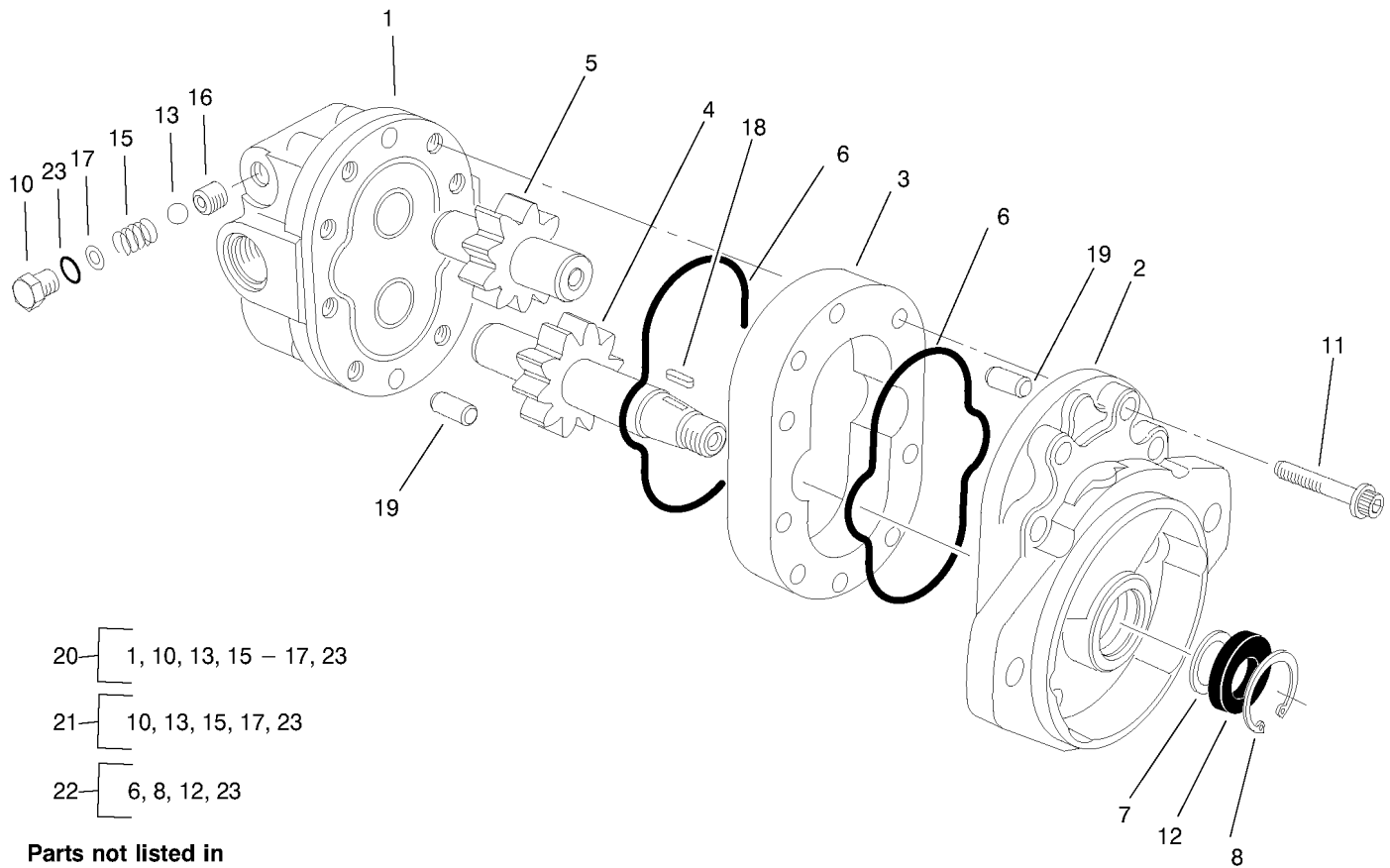
Ref	Part No.	Qty.	Description
1	95-8526	6	Bushing-Plastic
2	95-8527-03	1	Link-Scissor
3	95-8883	1	Mount-Scissor
4	323-7	4	Screw-HH
5	3256-24	4	Washer-Flat
6	3296-39	4	Nut-Lock, NI
7	95-8521-03	1	Frame-Scissor
8	95-8512	1	Cylinder-Hydraulic
9	95-8603	2	Spacer
10	87-5330	2	Washer
11	324-6	2	Screw-HH
12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

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



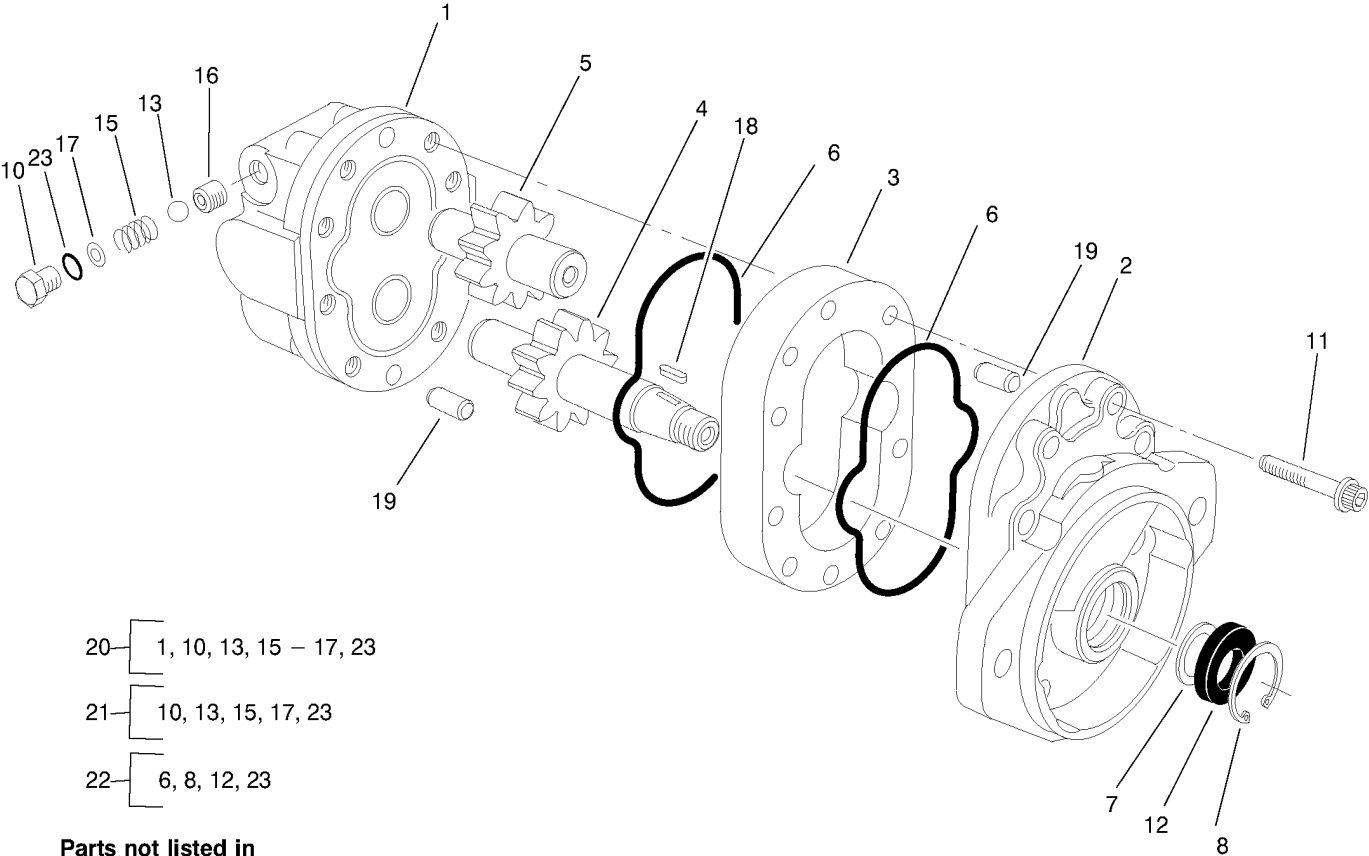
Reel Motor Assembly

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



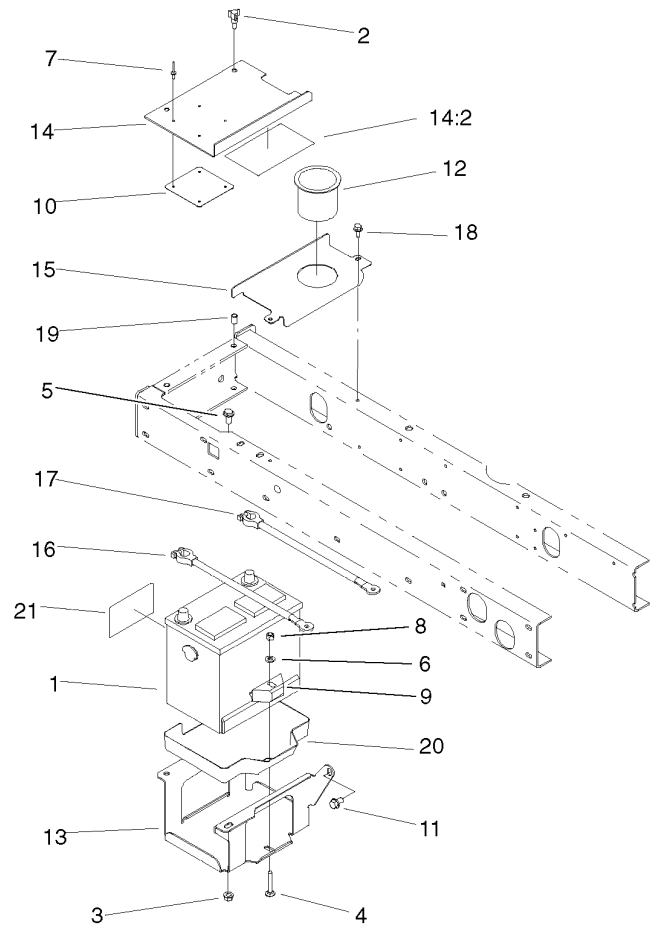
Gear Motor Assembly No. 99-3627

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



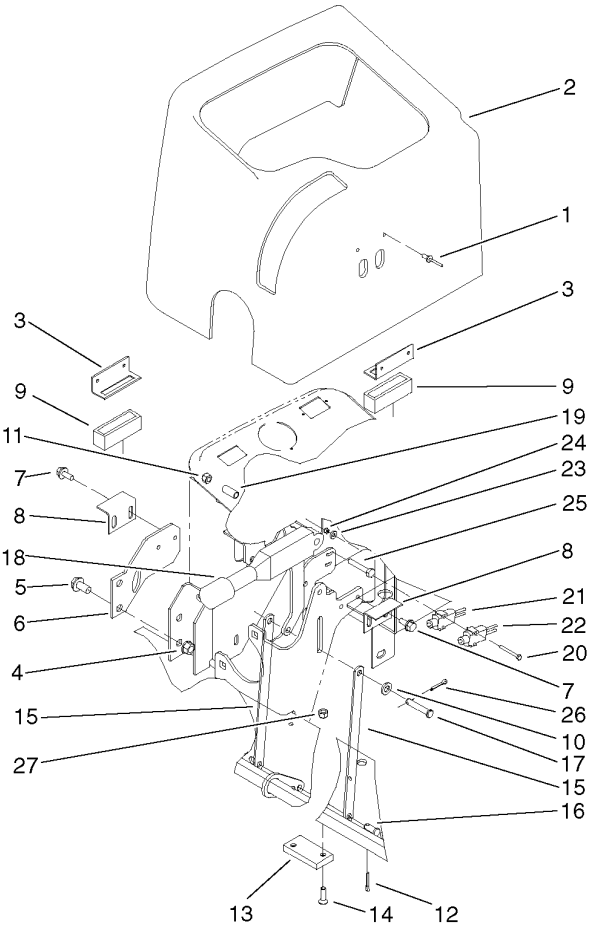
Gear Motor Assembly No. 93-6975

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



Battery Assembly

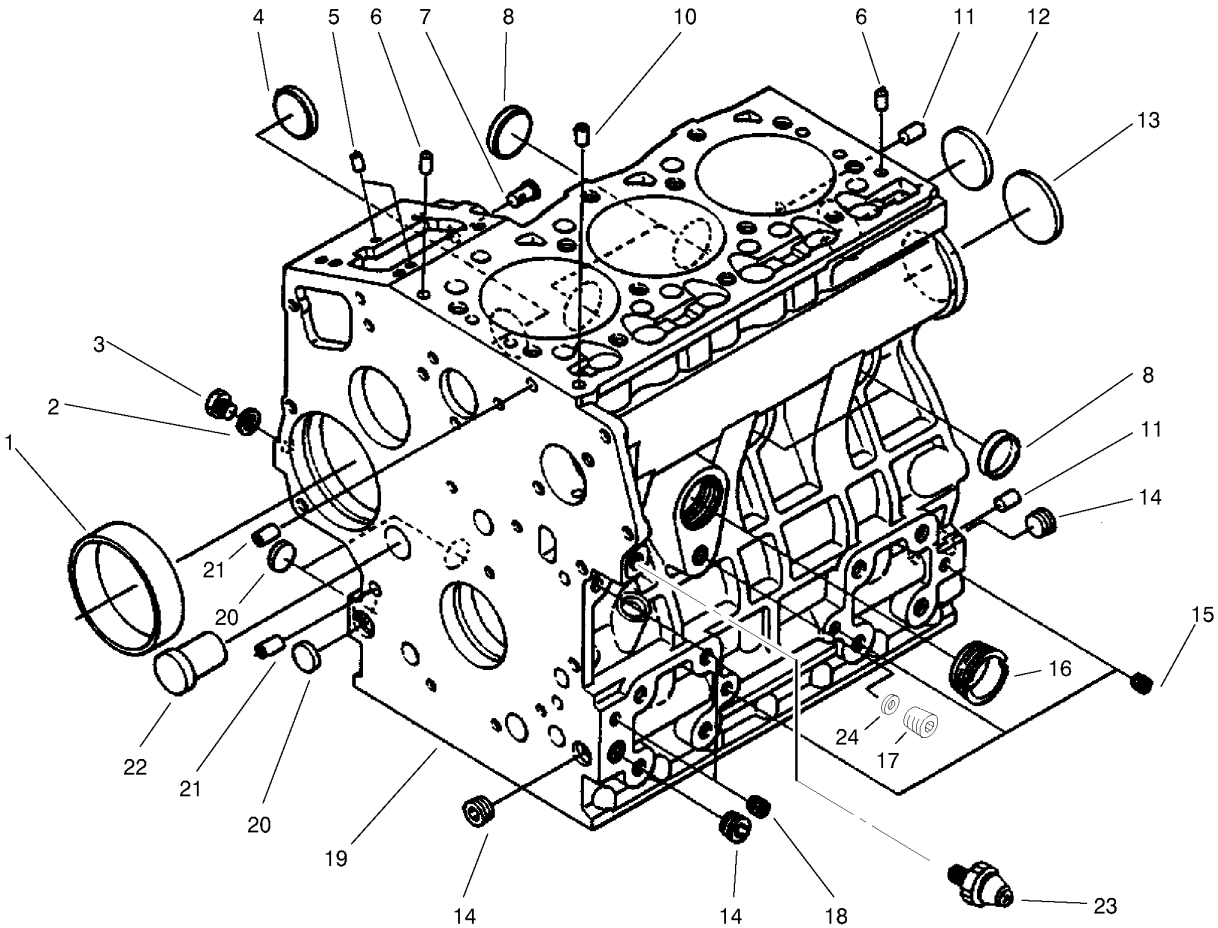
Ref	Part No.	Qty.	Description				
1	83-9000	1	Battery (Dry)				
2	233-70	2	Knob-3 Star				
3	32128-43	3	Nut-Flange				
4	3230-6	1	Screw-CARR				
5	3234-1	3	Screw-HHF				
6	3256-23	1	Washer-Flat				
7	3269-27	4	Rivet-Snap				
8	3296-29	1	Nut-Lock, NI				
9	66-2490	1	Retainer-Battery				
10	87-7620	1	Shield-Terminal,Battery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



Parking Brake Assembly

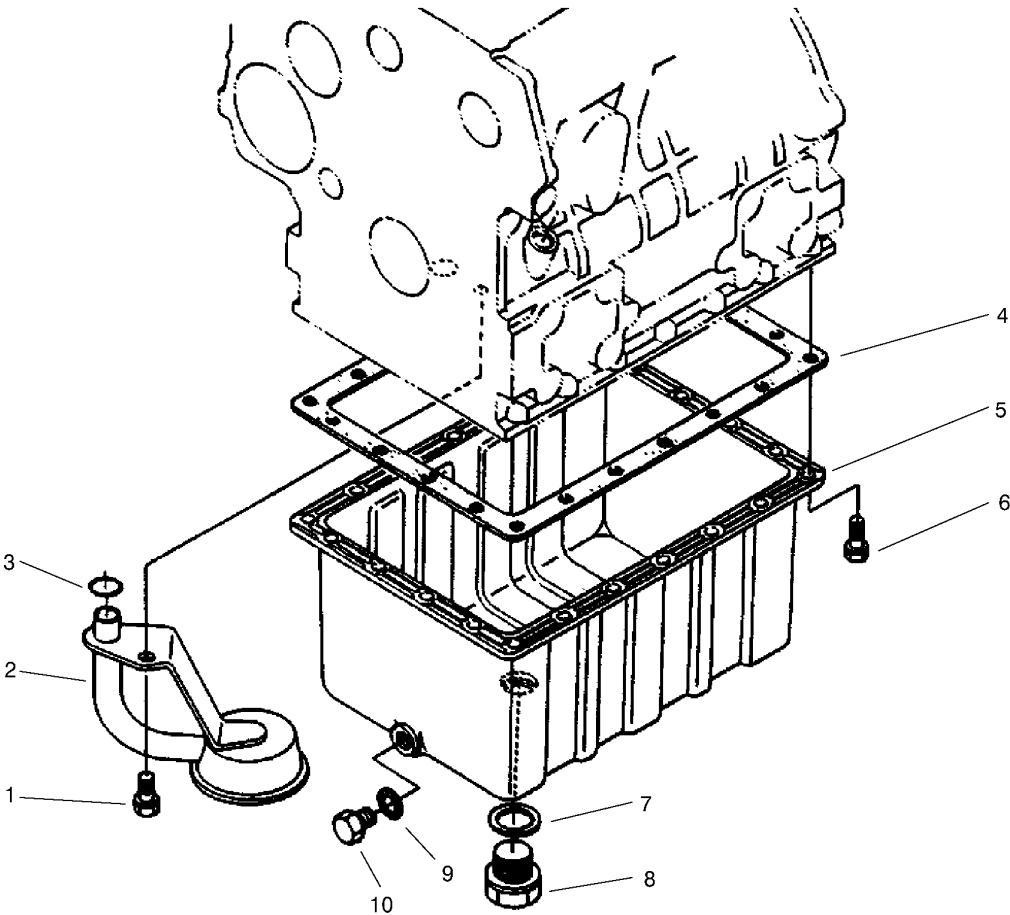
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	3269-5	4	Rivet	25	321-9	1	Screw-HH
2	95-8707	1	Cover-Dash	26	3272-6	1	Pin-Cotter
3	95-8763	2	Bracket-Hold Down,Cover	27	32128-32	2	Nut-HHF
4	32128-43	2	Nut-Flange				
5	3234-1	2	Screw-HHF				
6	95-8764-03	1	Support-Magnet				
7	32144-10	4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

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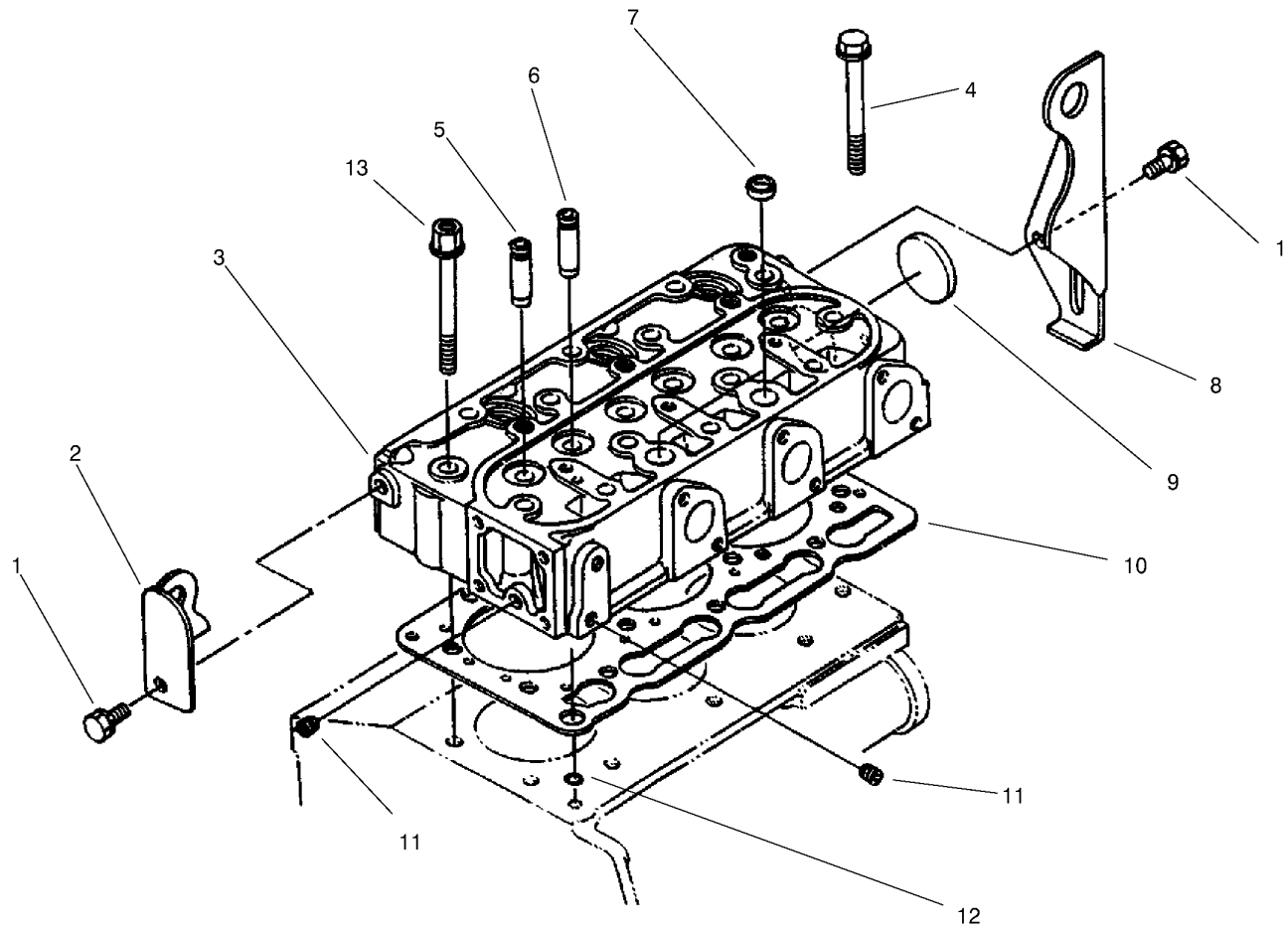
Crankcase Assembly

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



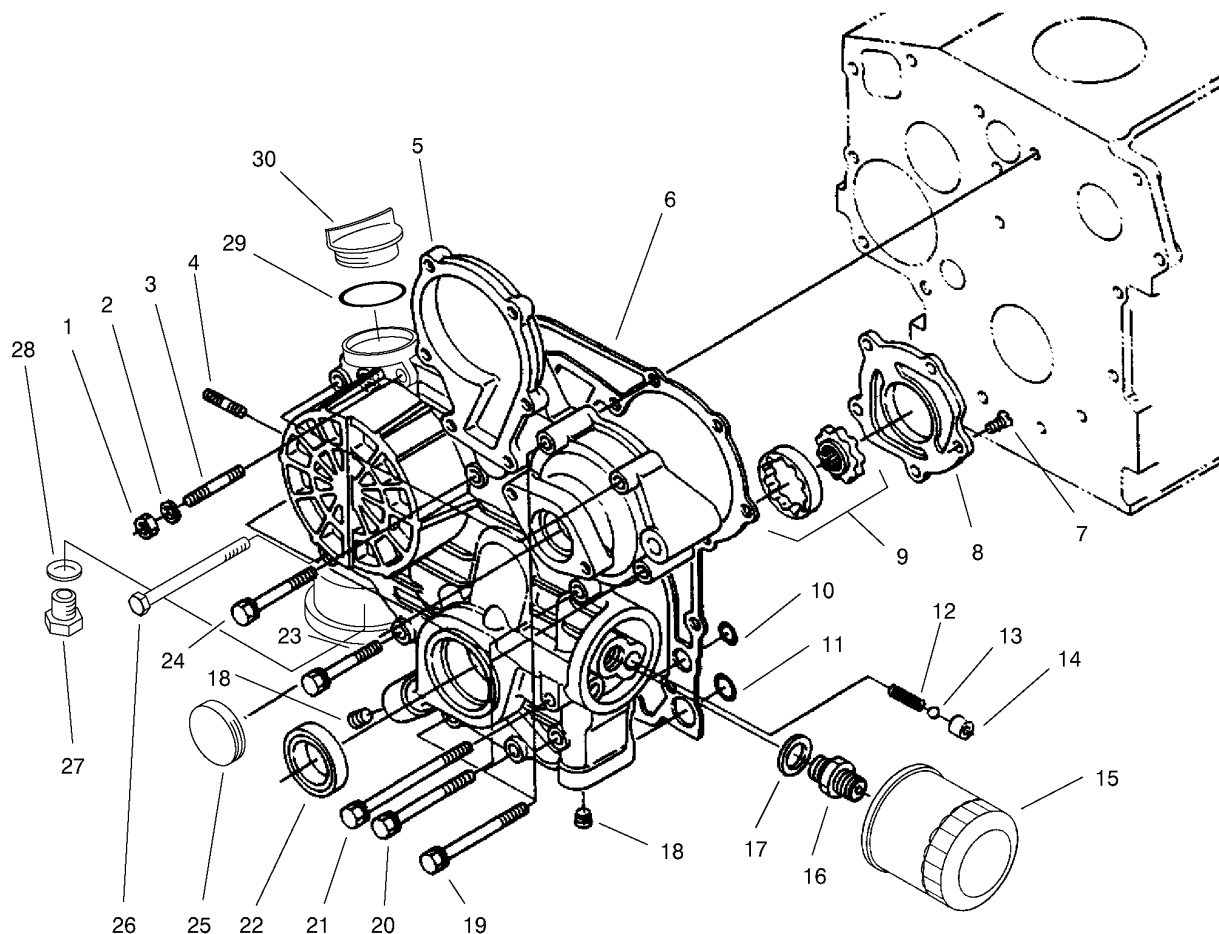
Oil Pan Assembly

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



Cylinder Head Assembly

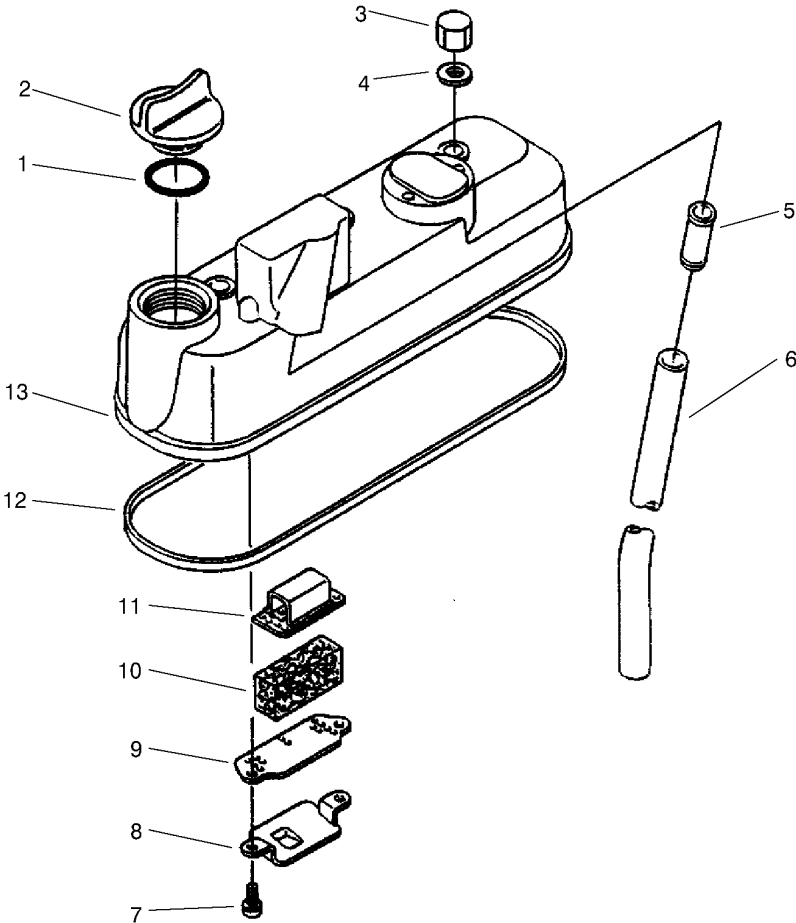
Ref	Part No.	Qty.	Description				
1	98-7585	2	Bolt				
2	98-9477	1	Hook-Engine				
3	99-8344	1	Cylinder Head ASM (Incl. Ref. #5-7, 9 & 11)				
4	98-9479	12	Bolt-Head, Cylinder				
5	98-9499	3	Guide-Valve, Inlet				
6	98-9500	3	Guide-Valve, Exhaust				
7	98-9389	2	Cap-Sealing				
8	98-9478	1	Hook-Engine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



Gear Case and Oil Filter Assembly

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

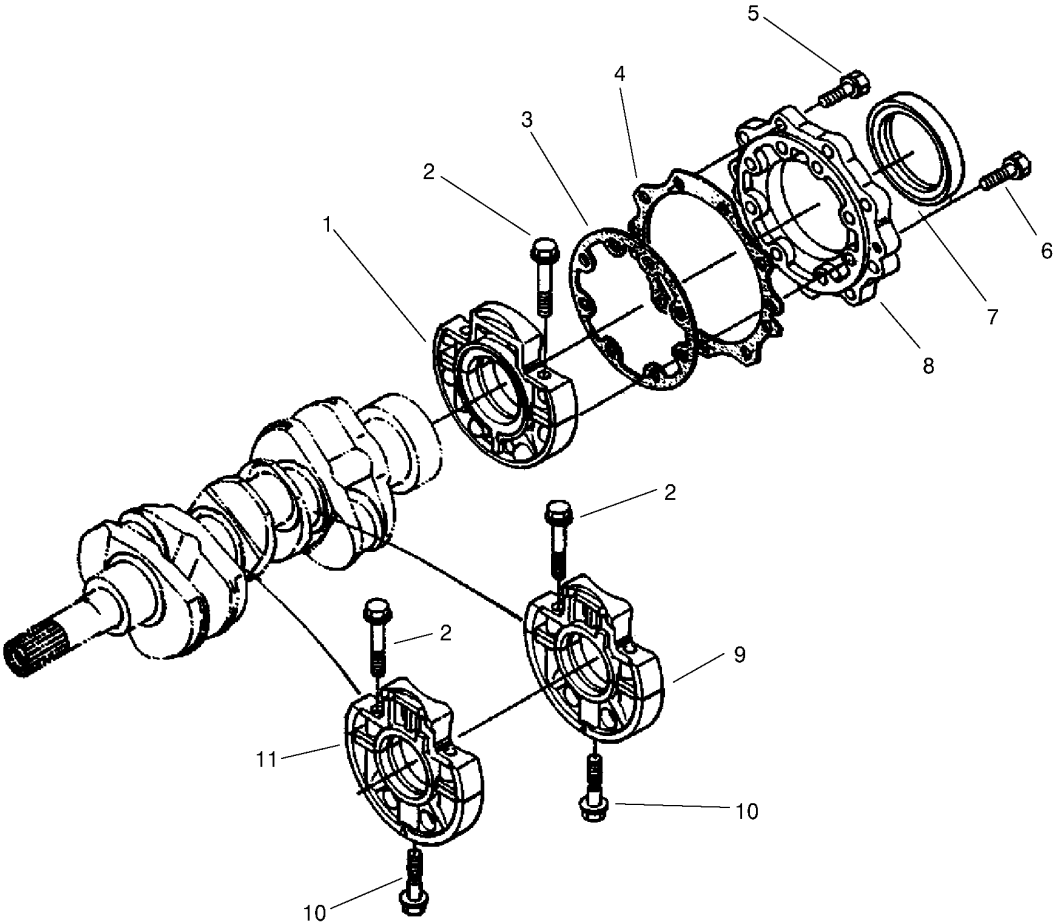
Ref	Part No.	Qty.	Description
24	98-7496	3	Bolt
25	99-3515	1	Plug-Case, Gear
26	99-3511	1	Bolt
27	99-3450	1	Plug
28	99-3451	1	Packing-Plug
29	98-7430	1	O-Ring
30	98-9449	1	Plug-Filler, Oil



Head Cover Assembly

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

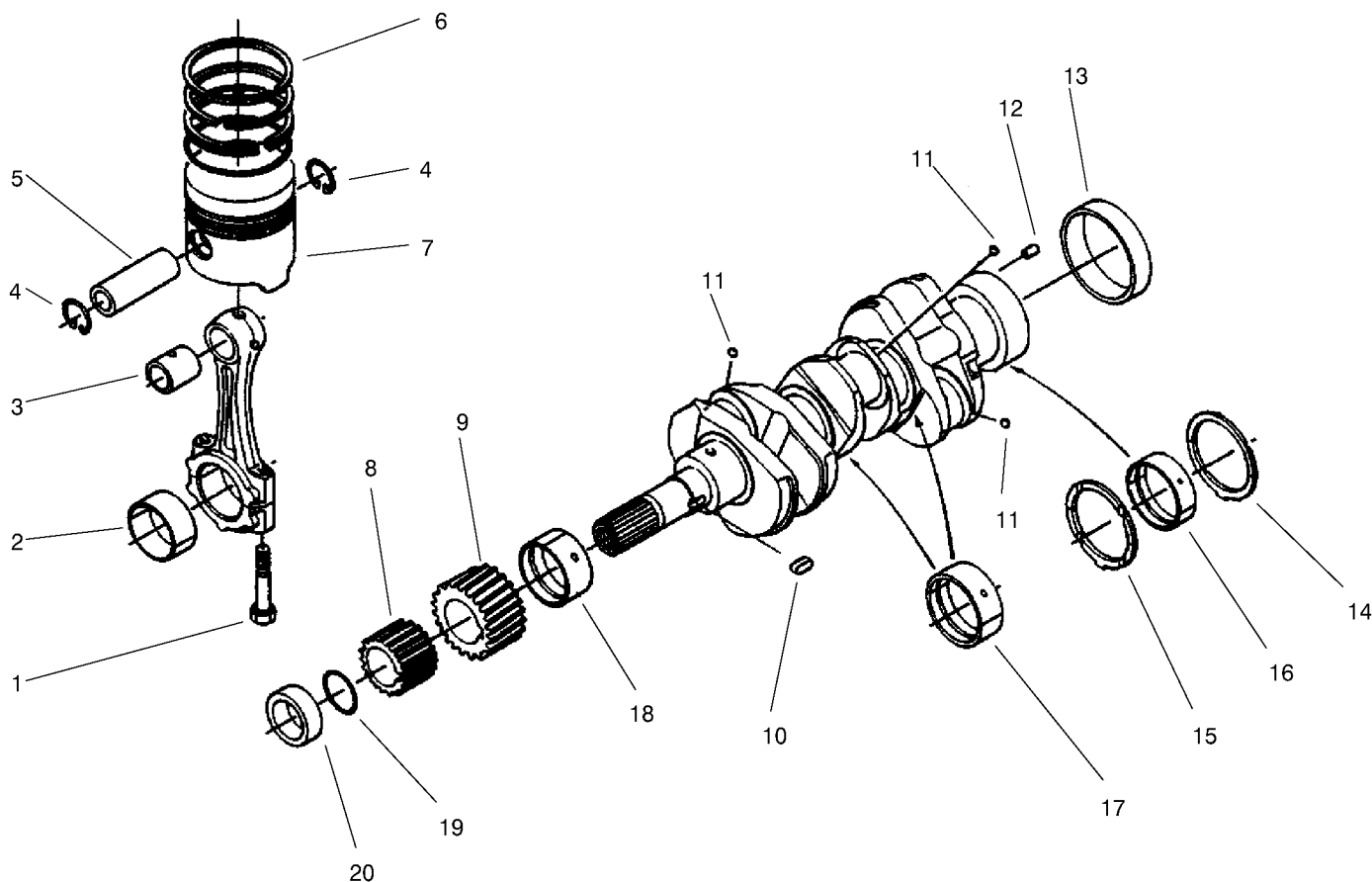
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Main Bearing Case Assembly

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

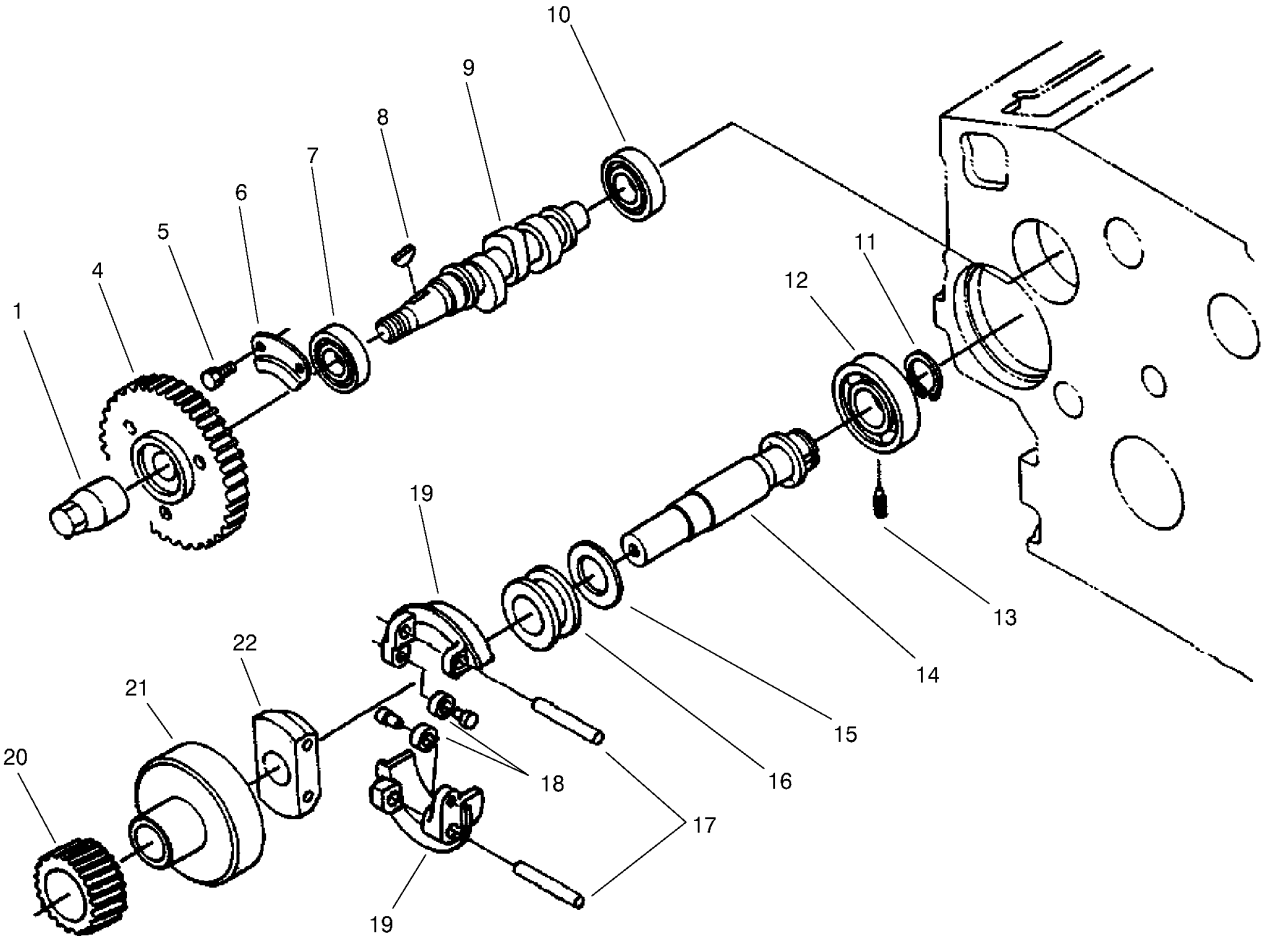
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Piston and Crankshaft Assembly

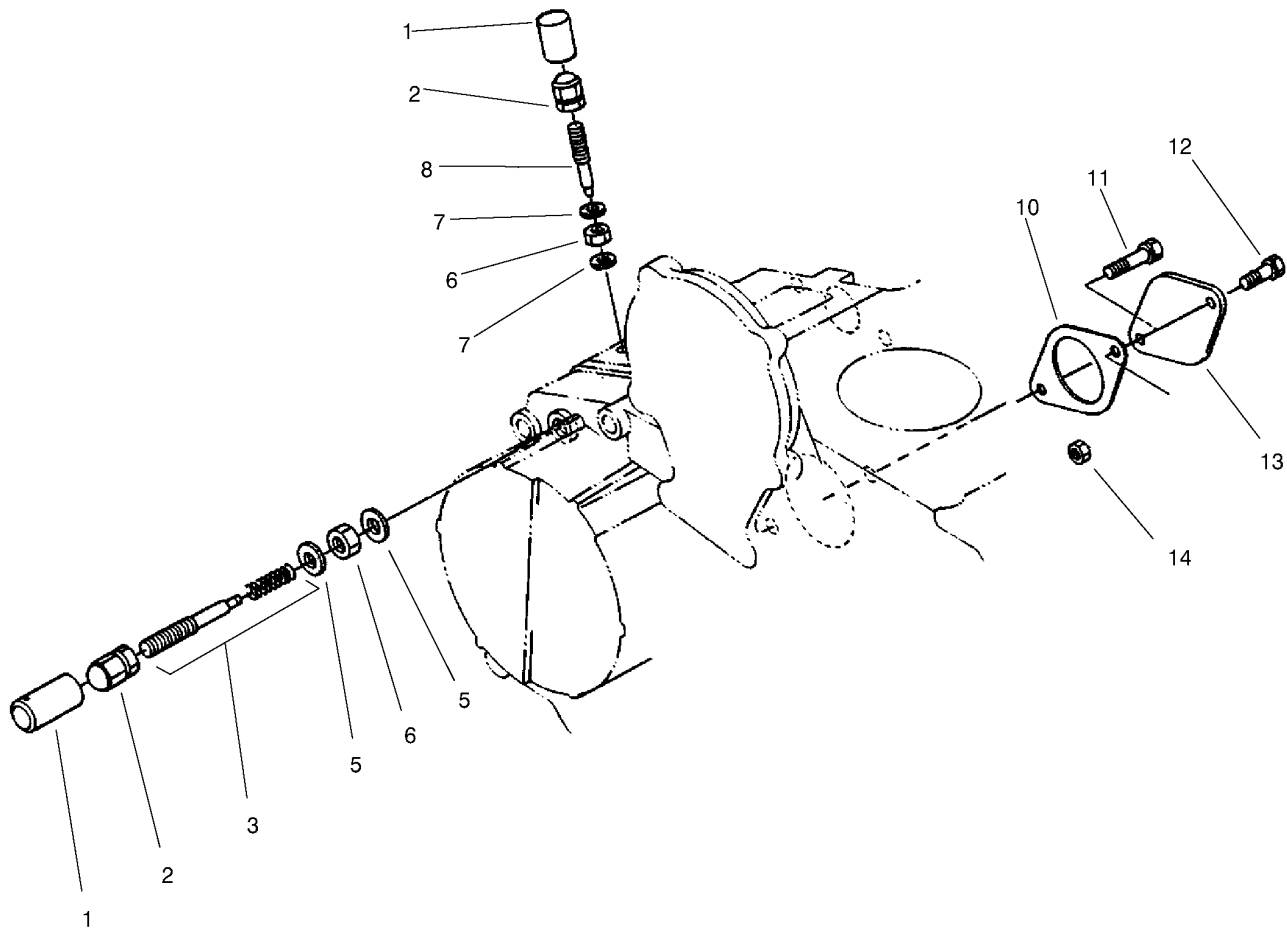
Ref	Part No.	Qty.	Description
1	98-9517	6	Bolt-Connecting Rod
2	98-9553	3	Metal-Crankpin (STD.)
2	98-9519	3	Metal-Crankpin(0.2Mm Undersize)
2	98-9520	3	Metal-Crankpin(0.4Mm Undersize)
3	98-9515	3	Bushing-Piston Pin
4	98-9514	6	Clip-Circular,Piston Pin
5	98-9513	3	Pin-Piston
6	98-9618	3	Piston Ring ASM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

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



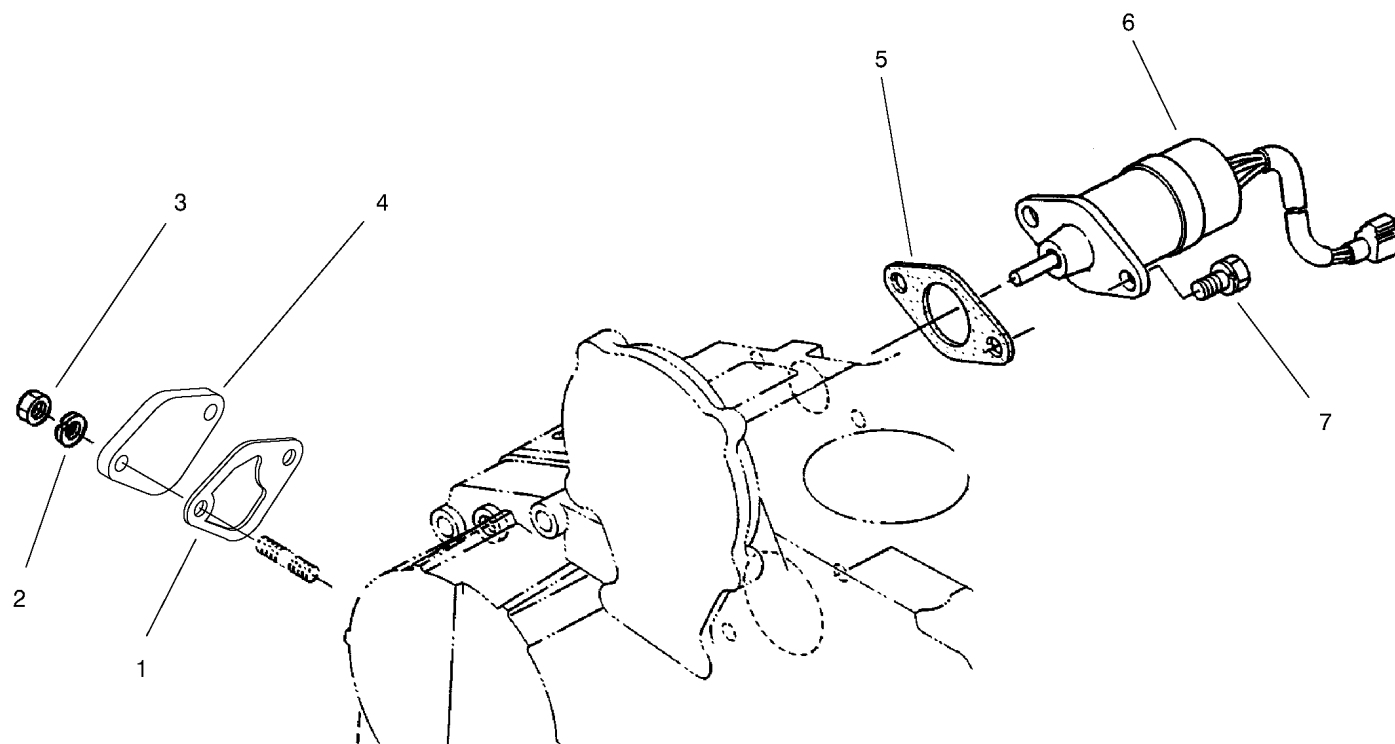
Fuel Camshaft Assembly

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



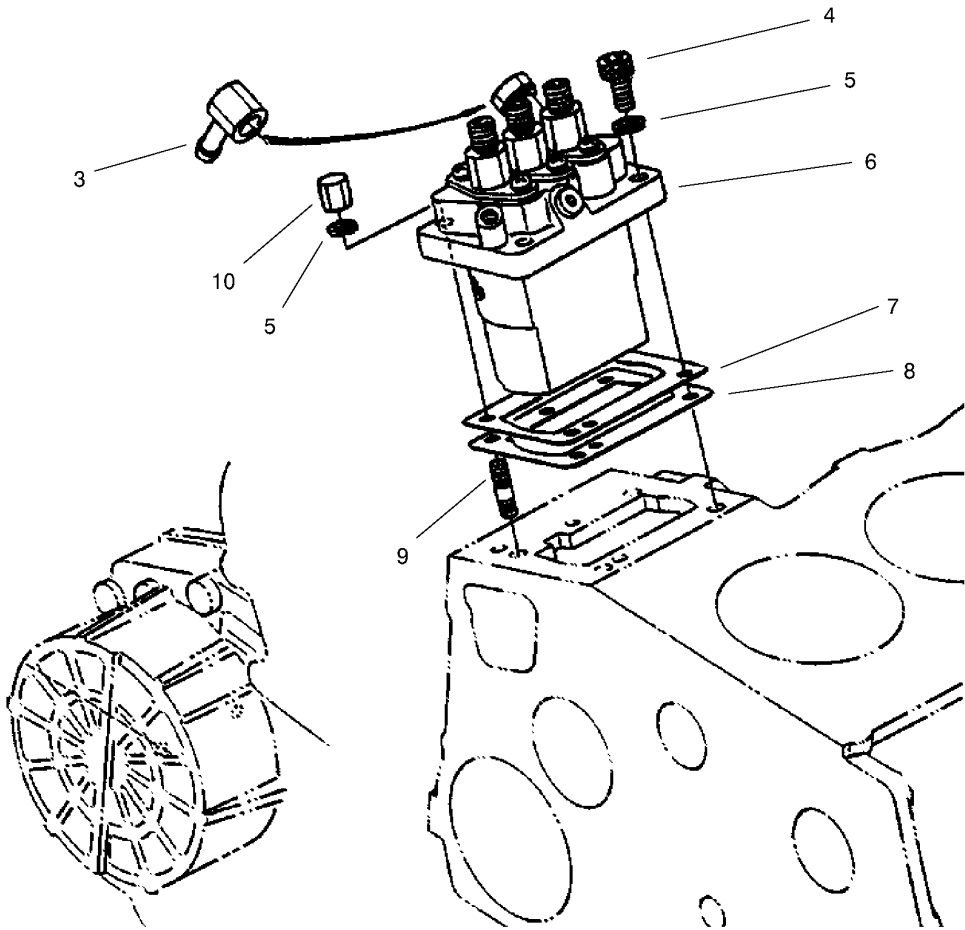
Engine Stop Lever Assembly

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



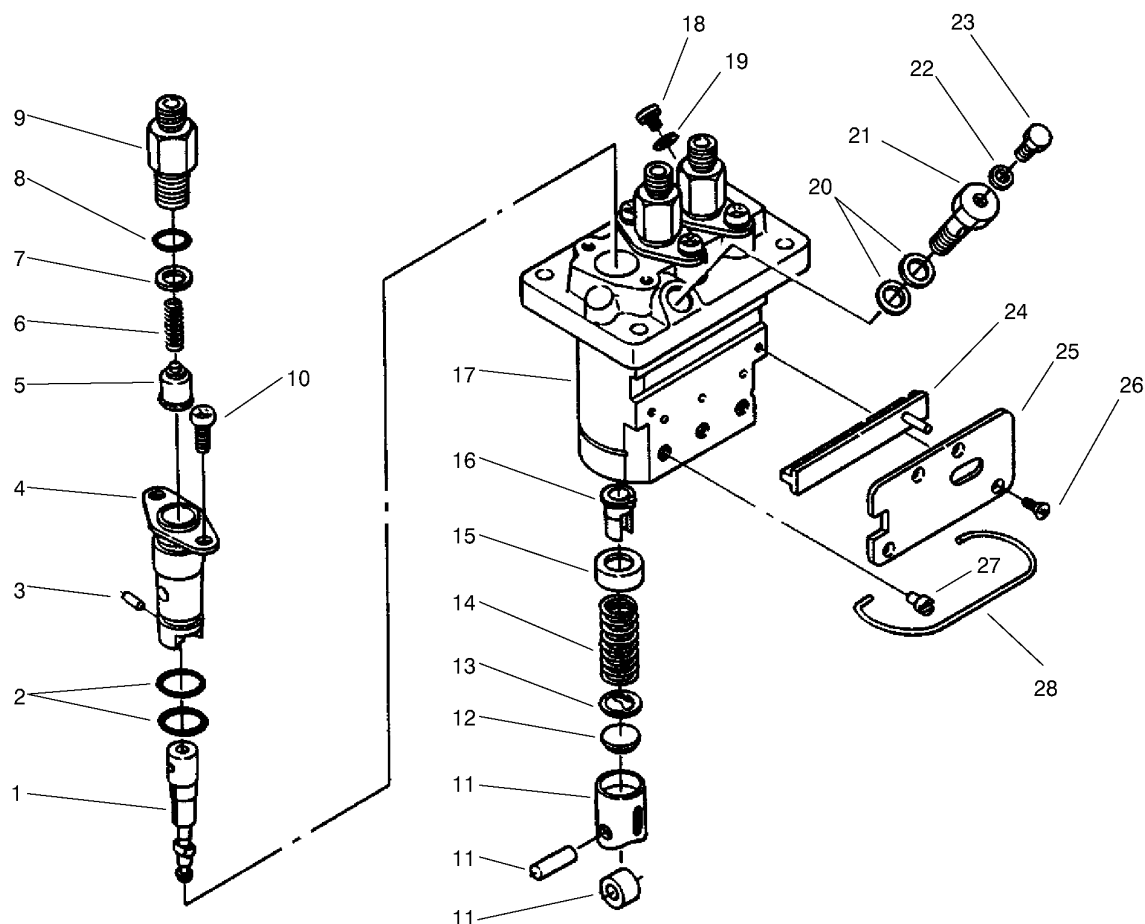
Stop Solenoid and Fuel Pump Assembly

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



Injection Pump Assembly

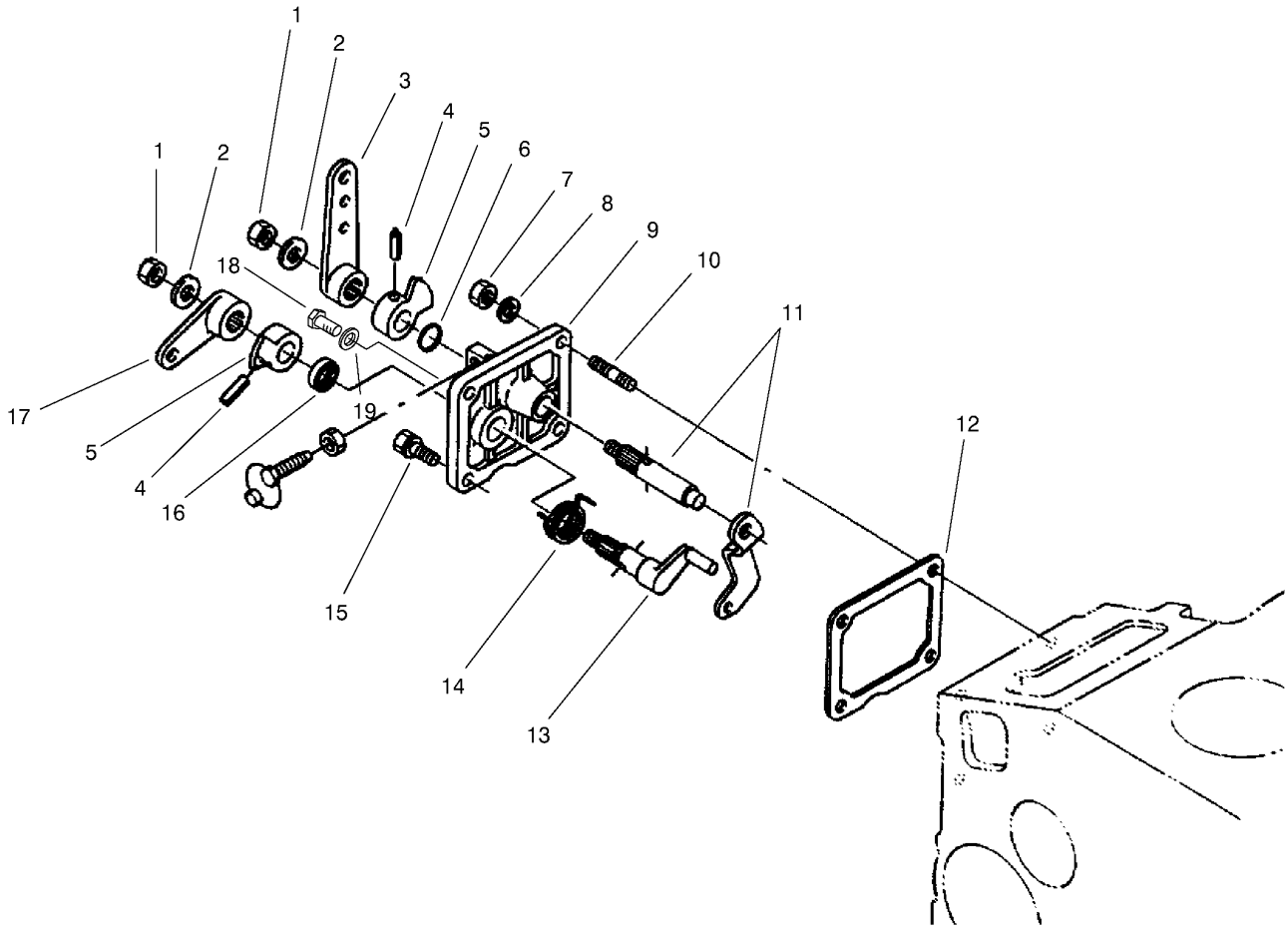
Ref	Part No.	Qty.	Description				
3	98-9596	1	Joint-Eye				
4	98-9361	2	Bolt				
5	98-9367	4	Washer-Lock				
6	98-9643	1	Injection Pump ASM				
7	98-9456	1	Shim-Injection(0.2Mm)				
7	98-9457	1	Shim-Injection(0.25Mm)				
8	98-9458	1	Shim-Injection(0.30Mm)				
9	98-9438	2	Stud				
10	98-9440	2	Nut-Cap				



Injection Pump Assembly (continued)

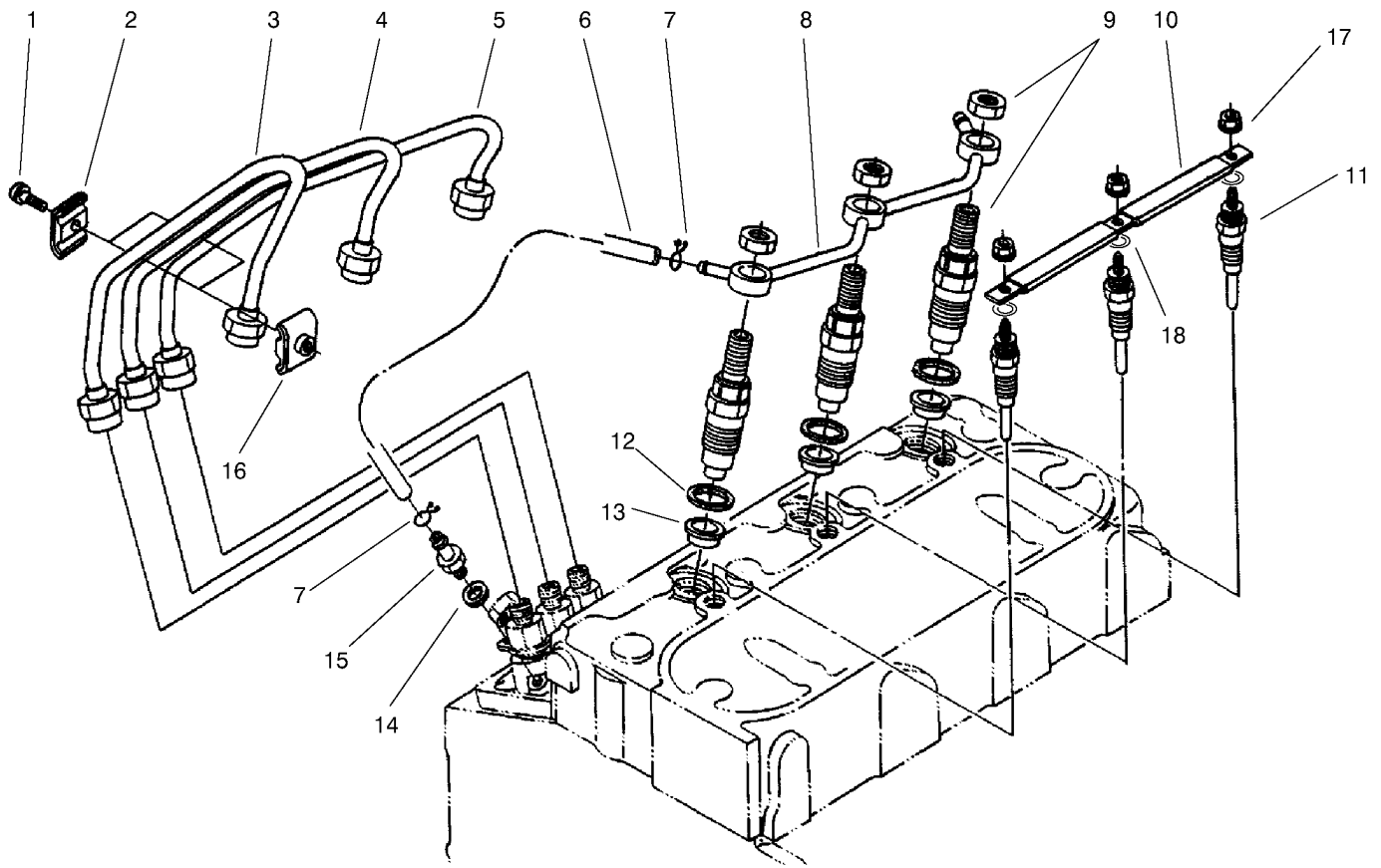
Ref	Part No.	Qty.	Description
1	98-9462	3	Element-Pump
2	98-9423	6	O-Ring
3	98-9443	3	Pin-Joint
4	98-9434	3	Flange-Sleeve
5	98-9421	3	Valve-Delivery
6	98-9424	3	Spring-Valve, Delivery
7	98-9425	3	Gasket-Valve, Delivery
8	98-9447	3	O-Ring
9	98-9652	3	Holder-Valve, Delivery
10	98-9452	6	Screw
11	98-9422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

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



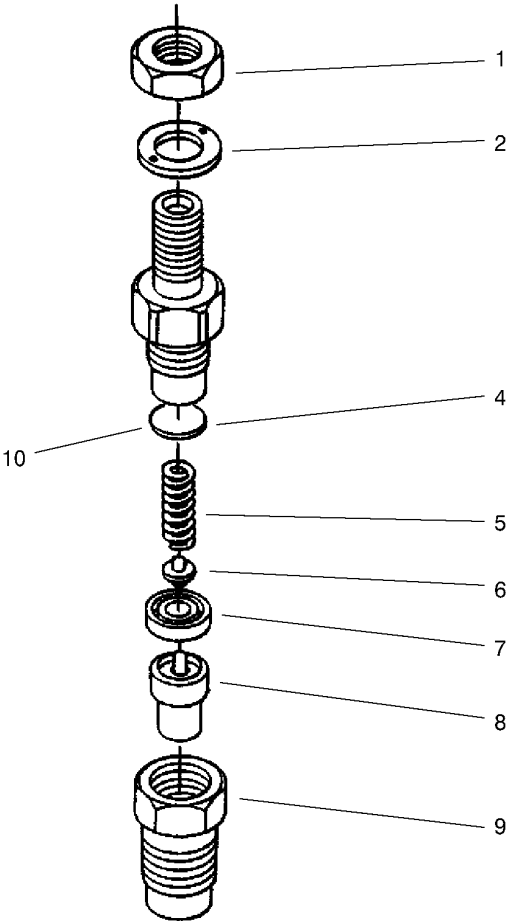
Speed Control Plate Assembly

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



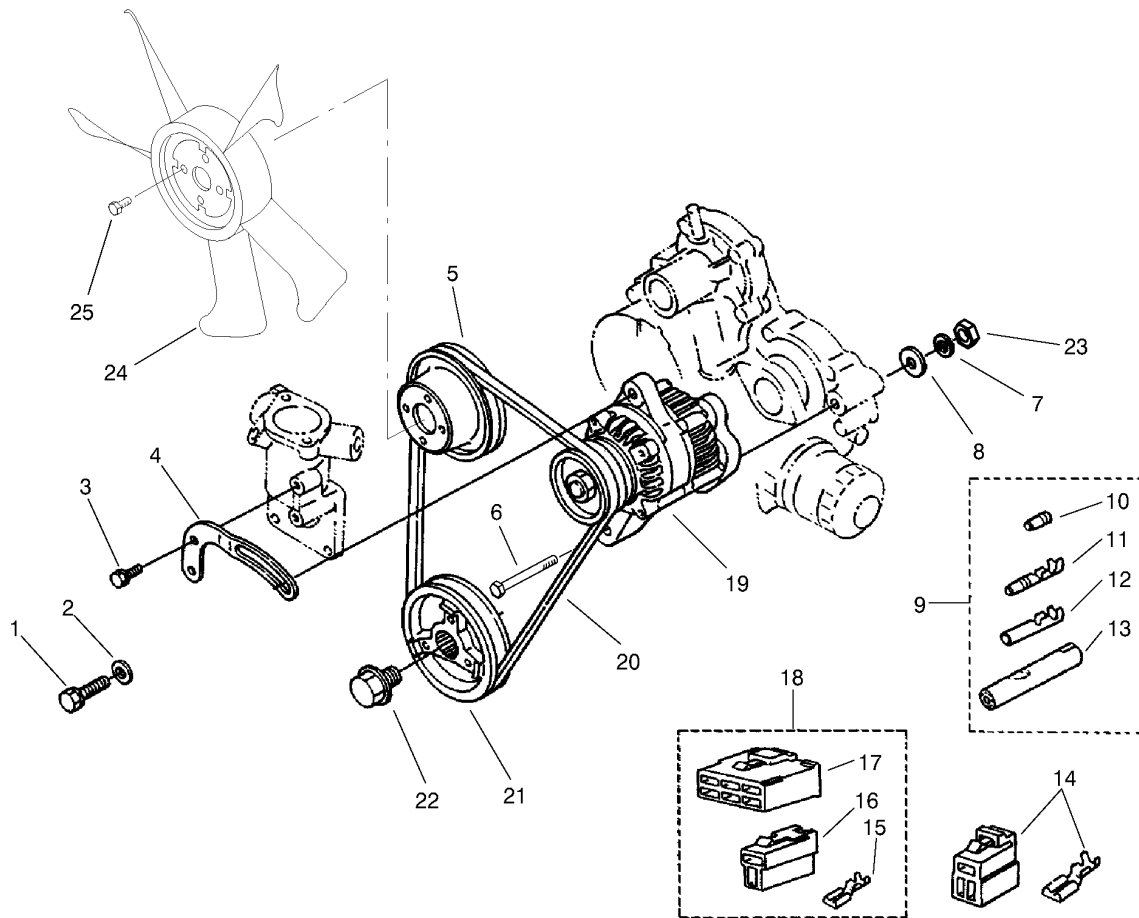
Nozzle Holder and Glow Plug Assembly

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



Nozzle Holder Assembly

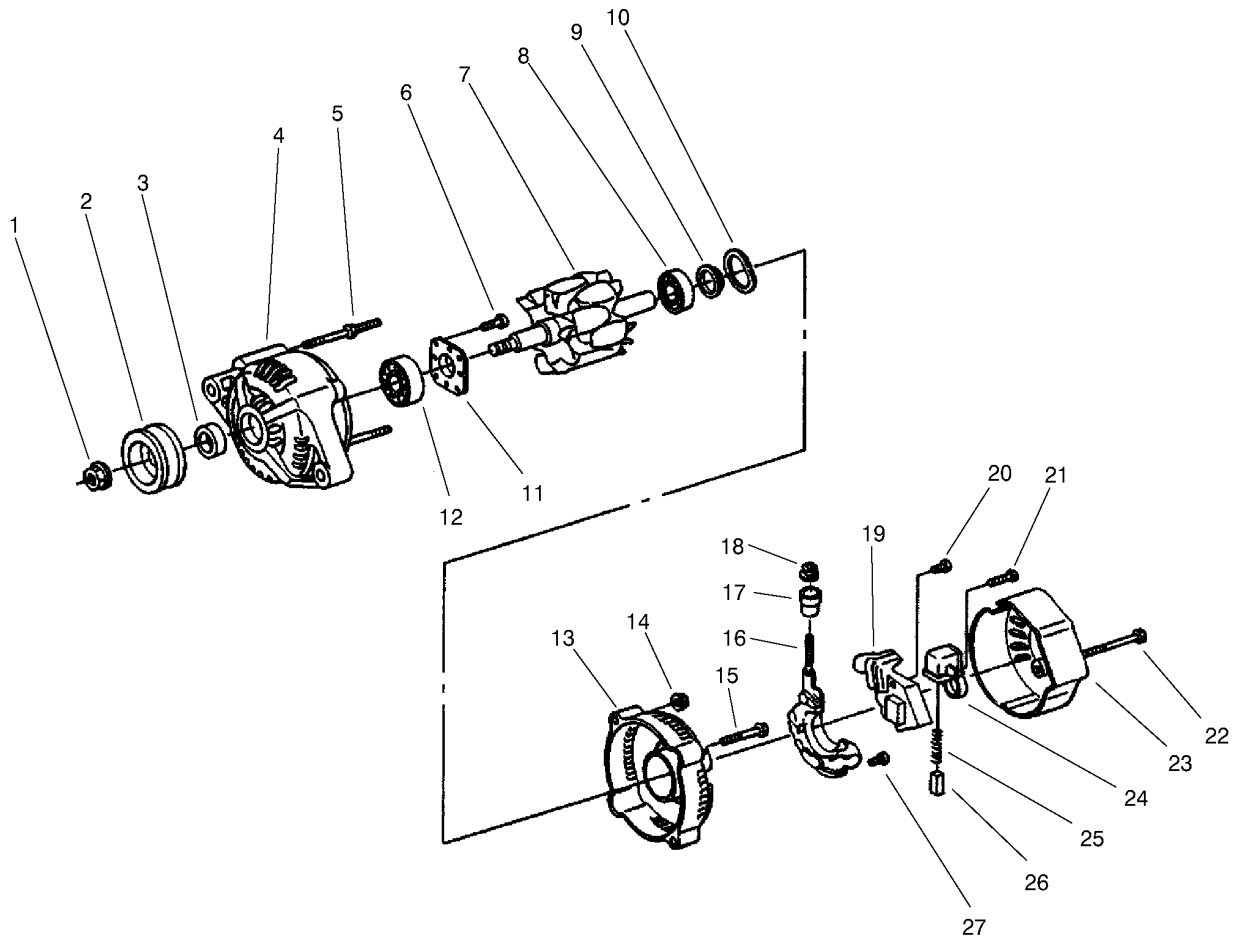
Ref	Part No.	Qty.	Description				
1	99-8301	3	Nut				
2	99-8307	3	Washer				
4	99-8302	3	Washer-Adjusting				
5	99-8303	3	Spring-Nozzle				
6	99-8305	3	Rod-Push				
7	99-8304	3	Piece-Distance				
8	99-8308	3	Piece-Nozzle				
9	99-8306	3	Nut-Nozzle				
10	99-8309	3	Adjusting Washer ASM				
2*	99-8310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



Alternator and Pulley Assembly

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

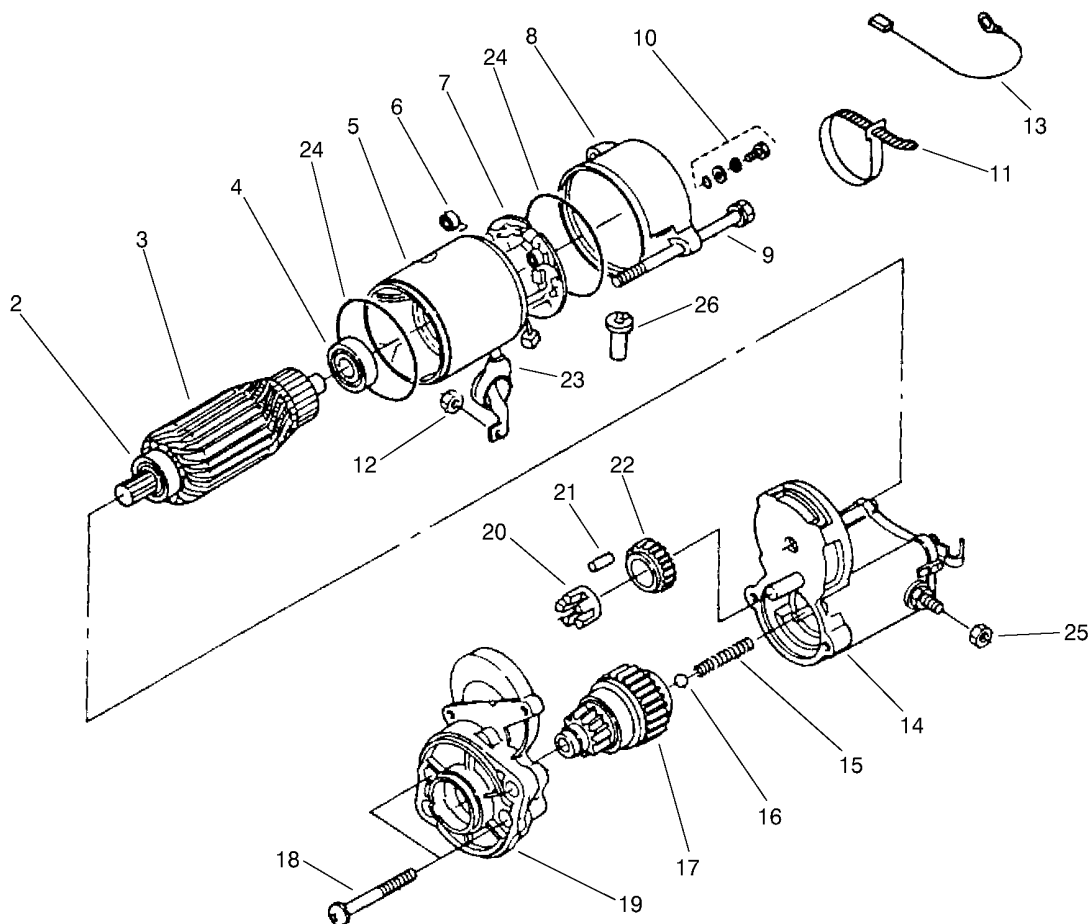
Ref	Part No.	Qty.	Description
25	33103-012	4	Screw-HHF



Alternator Assembly

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

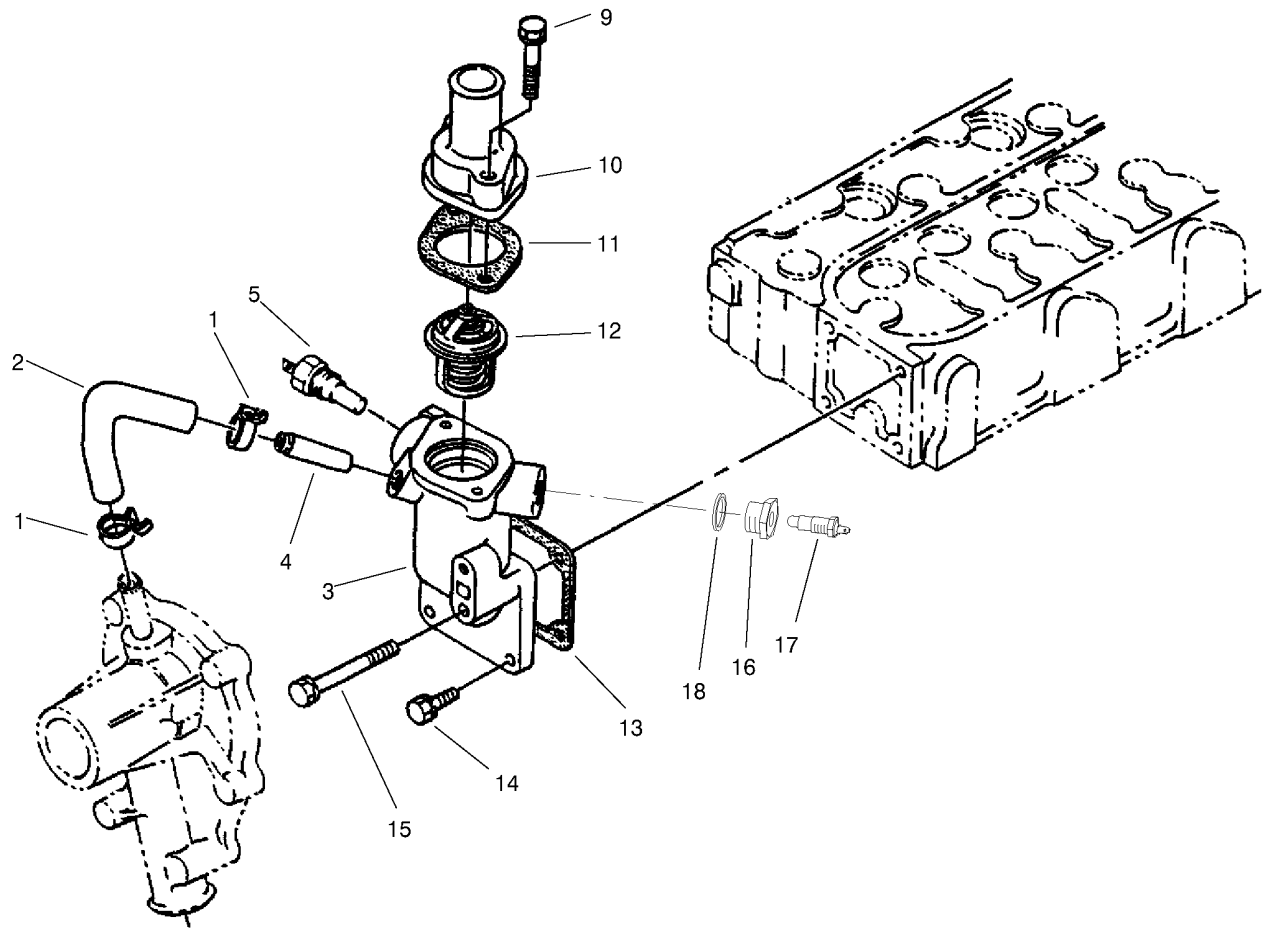
Ref	Part No.	Qty.	Description
25	98-7725	2	Spring-Brush
26	98-7724	2	Brush
27	98-7727	6	Screw-RH
②*	98-9474	1	Alternator ASM (Incl. Ref. #1-27)



Starter Assembly

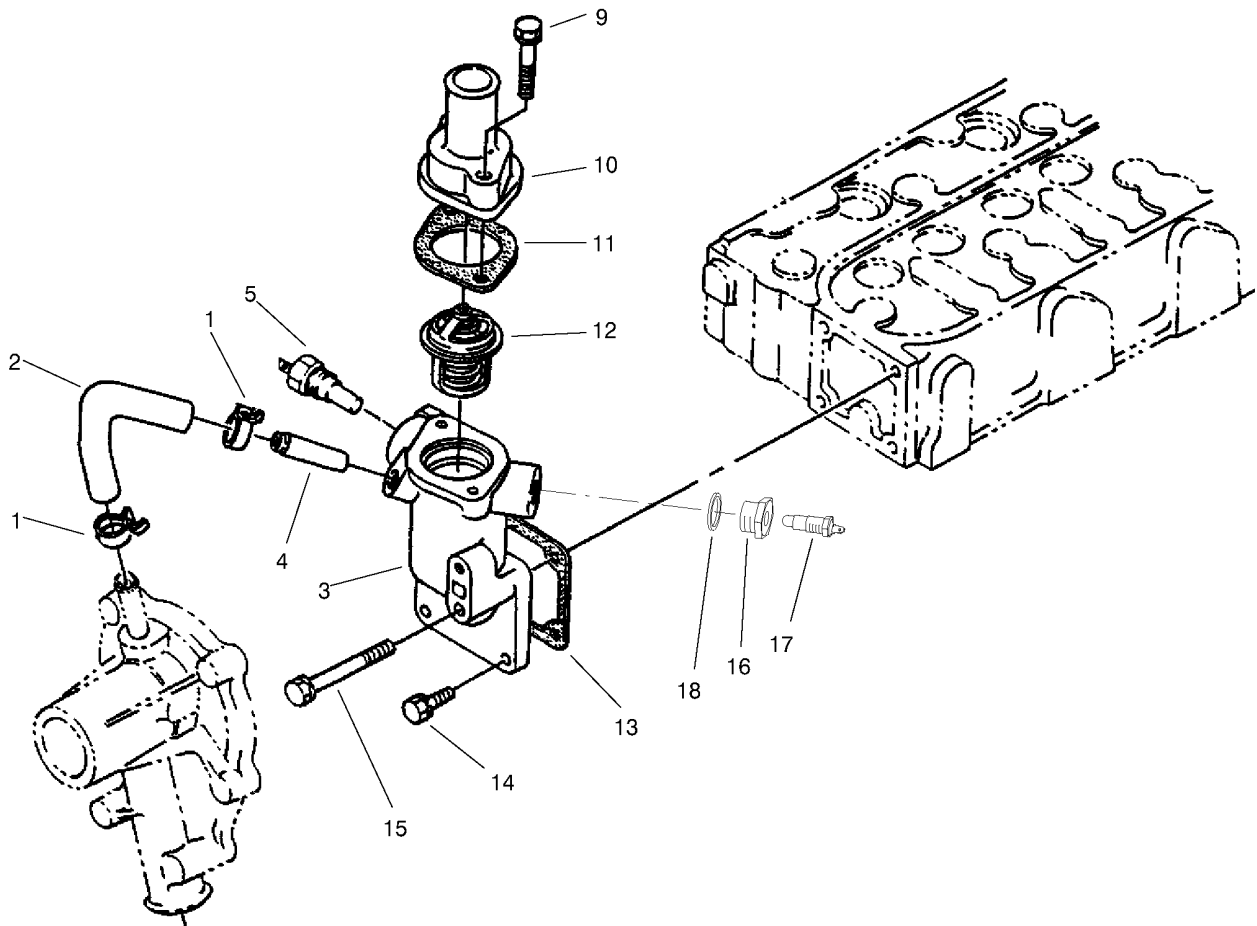
Ref	Part No.	Qty.	Description
2	98-7743	1	Bearing-Ball
3	98-7742	1	Armature ASM (Incl. Ref. #2 & 4)
4	98-7744	1	Bearing-Ball
5	98-7741	1	Yoke ASM
6	98-7750	4	Spring-Brush
7	98-7749	1	Brush Holder ASM (Incl. Ref. #6)
8	98-9550	1	Frame-End
9	98-9419	2	Bolt
10	98-7758	2	Bolt ASM
11	98-9712	1	Band-Cover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

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



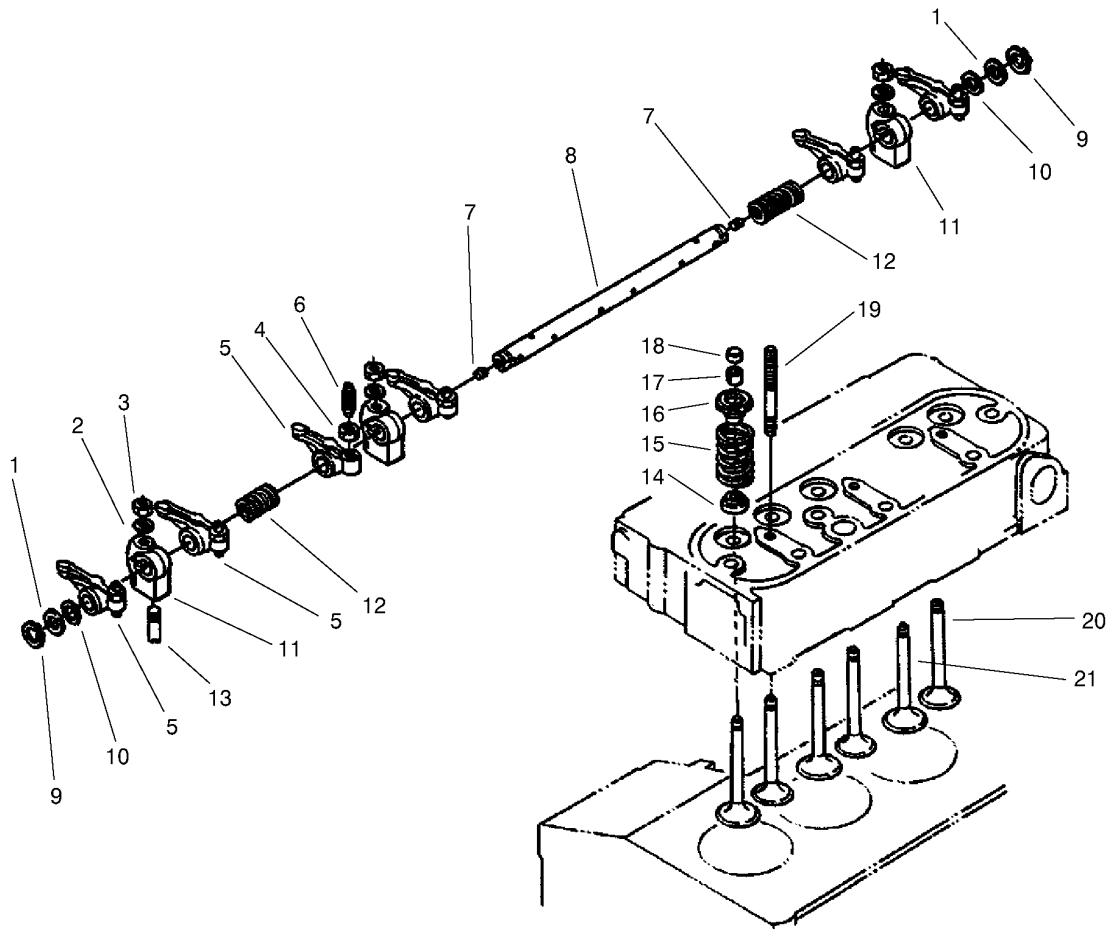
Water Flange and Thermostat Assembly

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



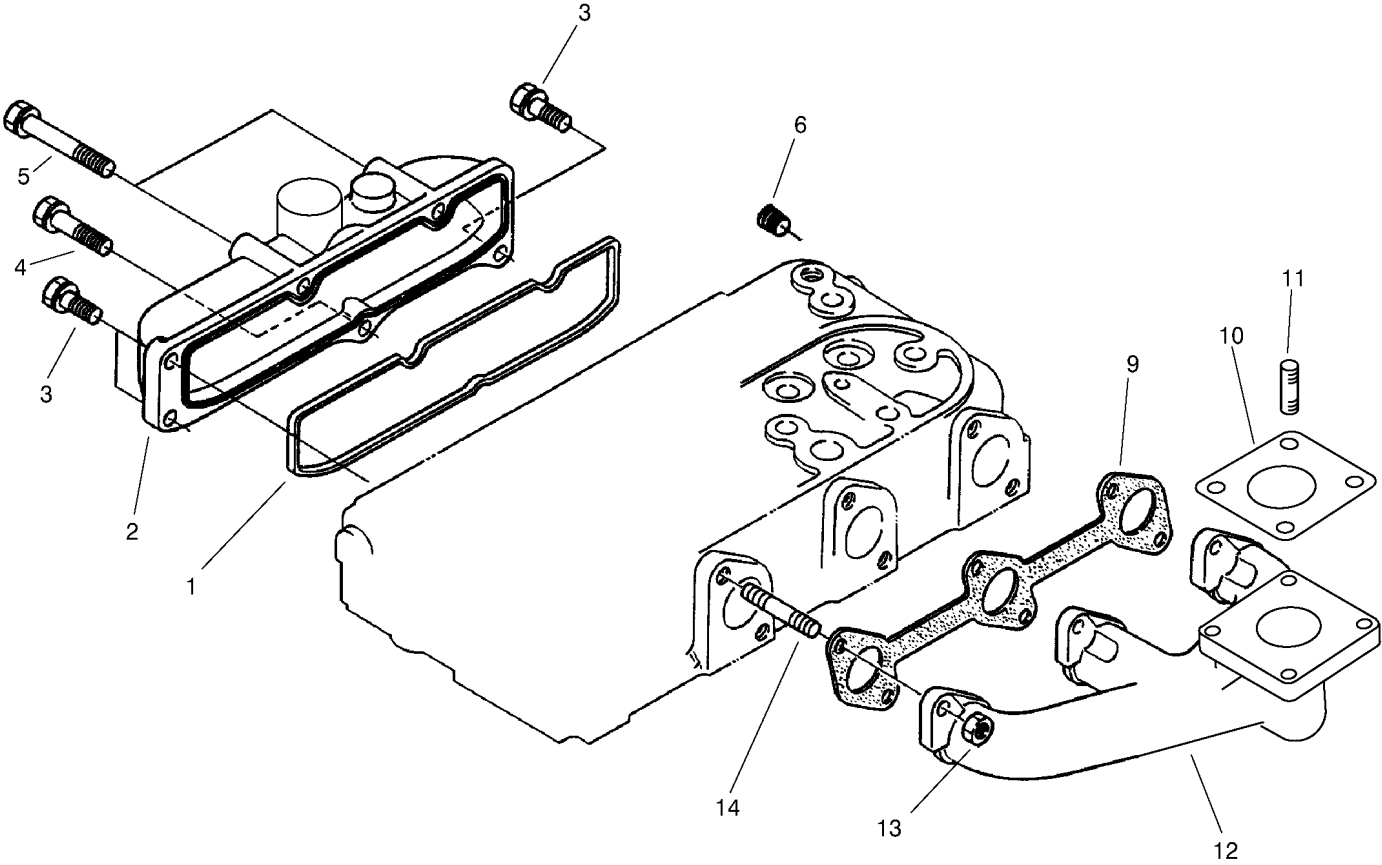
Water Pump Assembly

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



Valve and Rocker Arm Assembly

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



Exhaust Manifold and Gasket Assembly

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

NOTES

