



Groundsmaster® 4500-D

Model No. 30856 - 230000301 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.

Contents

Description	Page	Description	Page
Hood Screen and Bumper Assembly	 4	Roll-Over Protection System and Frame Assembly	 50
Steering Tower Assembly	 6	Front Frame Assembly No. 104-5469	 51
Steering Valve Assembly No. 104-2213	 8	Roller Support and Access Panel Assembly	 52
Traction and Brake Pedal Assembly	 9	Manifold Assembly	 53
Throttle and Seat Frame Assembly	 10	Manifold Assembly No. 104-5475	 54
Control Console Assembly	 11	4 Wheel Drive Manifold and Filter Assembly	 55
Hydraulic Filter and Reservoir Assembly	 12	Filter Manifold Assembly No. 100-5558	 56
Fuel Tank and Filter Assembly	 13	4 Wheel Drive Manifold Assembly No. 105-9875	 57
Front Drive and Brake Assembly	 14	Traction Hydraulic Line Assembly	 58
Planetary Assembly No. 105-4500-03	 15	Steering Hydraulic Line Assembly	 59
Left Hand Brake Assembly No. 100-3070-03	 16	Mow Block Hydraulic Line Assembly	 60
Piston Motor Assembly No. 105-1218	 17	Lift Hydraulic Line Assembly	 61
Right Hand Brake Assembly No. 100-3069-03	 18	Lift Valve and Counter Balance Assembly	 62
Manifold Mounting and Fitting Assembly	 19	Manifold Assembly No. 104-5495	 63
Hydraulic Pump Assembly	 20	Single Spool Valve Assembly No. 104-5494	 64
Triple Pump Assembly No. 105-9845	 21	Crankcase Assembly	 65
Piston Pump Assembly No. 105-9846	 22	Oil Pan Assembly	 66
Control Assembly No. 93-6306	 23	Cylinder Head Assembly	 67
Radiator Assembly	 24	Gear Case Assembly	 68
Fan and Solenoid Assembly	 25	Head Cover Assembly	 69
Engine Installation Assembly	 26	Oil Filter Assembly	 70
Air Cleaner Assembly No. 99-5410	 27	Dipstick and Guide Assembly	 71
Rear Axle Assembly	 28	Oil Pump Assembly	 72
Cylinder Assembly No. 105-9861	 29	Breather Assembly	 73
Piston Motor Assembly No. 105-1219	 30	Main Bearing Case	 74
Bevel Pinion Shaft Assembly Rear Axle Assembly No. 100-3784	 31	Camshaft and Idler Gear Shaft Assembly	 75
Differential Assembly Rear Axle Assembly No. 100-3784	 32	Piston and Crankshaft Assembly	 76
Axle Support Assembly Rear Axle Assembly No. 100-3784	 33	Flywheel Assembly	 77
Bevel Gear Case Assembly Rear Axle Assembly No. 100-3784	 34	Fuel Camshaft and Governor Shaft Assembly	 78
Bevel Gear Shaft Assembly Rear Axle Assembly No. 100-3784	 35	Engine Stop Lever Assembly	 79
Axle Case Assembly Rear Axle Assembly No. 100-3784	 36	Injection Pump Assembly	 80
Axle Assembly Rear Axle Assembly No. 100-3784	 37	Injection Pump Component Parts Assembly	 81
Coupler Spacer and Adapter Plate Assembly	 38	Governor Assembly	 82
Battery Installation Assembly	 39	Speed Control Plate Assembly	 83
Water and Fuel Filter Assembly No. 98-9305	 40	Nozzle Holder and Glow Plug Assembly	 84
Front Lift Arm Assembly	 41	Fuel Filter and Fuel Pump	 85
No. 4 and 5 Lift Cylinder Assembly No. 104-5527	 42	Alternator and Pulley Assembly	 86
No. 1 Lift Cylinder Assembly No. 104-5528	 43	Alternator Component Parts Assembly	 87
Lift Lever Assembly	 44	Starter Assembly	 88
No. 2 and 3 Lift Arm Assembly	 45	Starter Component Parts Assembly	 89
No. 2 and 3 Lift Cylinder Assembly No. 104-5526	 46	Oil Switch / Thermometer and Plug Assembly	 90
Hose Installation Assembly	 47	Water Flange and Thermostat Assembly	 91
No. 1, 4 and 5 Hose Installation Assembly	 48	Water Pump Assembly	 92
Hydraulic Motor Assembly No. 105-9820	 49	Water Pipe Assembly	 93
		Fan Assembly	 94
		Valve and Rocker Arm Assembly	 95
		Inlet Manifold Assembly	 96
		Exhaust Manifold Assembly	 97
		Turbo Charger Assembly	 98
		Oil Pipe (Turbo Charger) Assembly	 99
		Oil Cooler Assembly	 100
		Muffler Gasket and Glow Controller	 101

Description	Page
Engine Operator-s Manual	 102

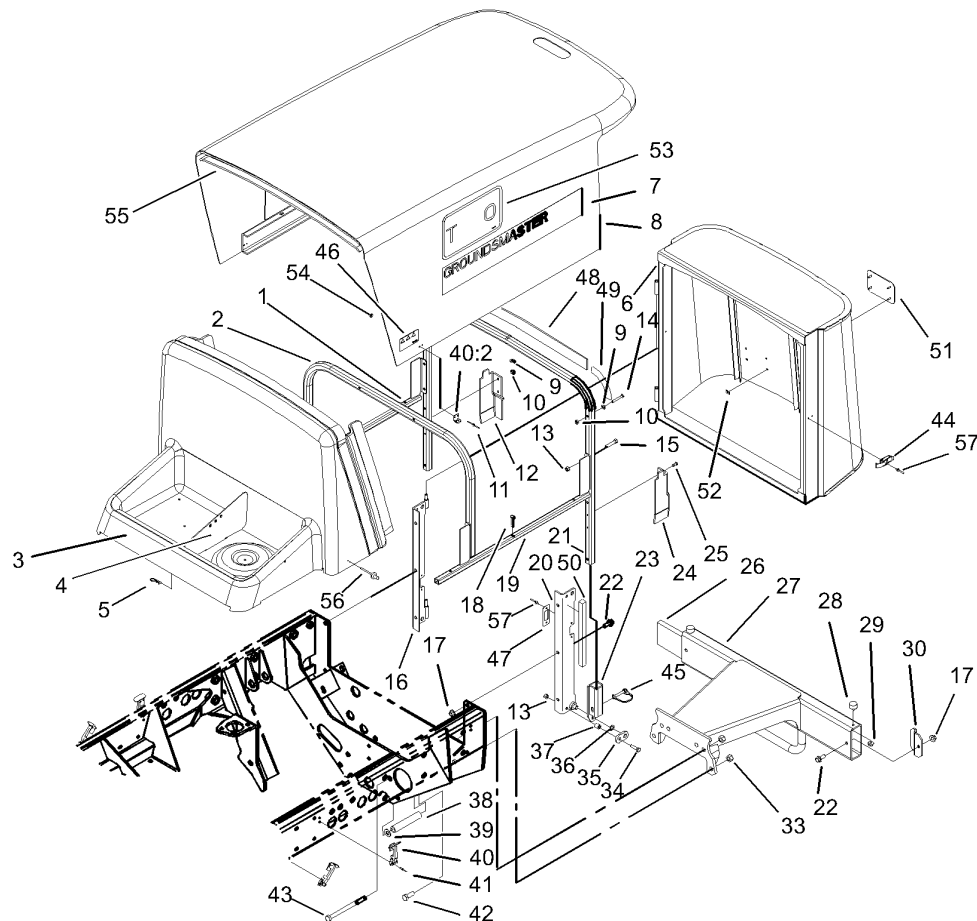
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Footnotes

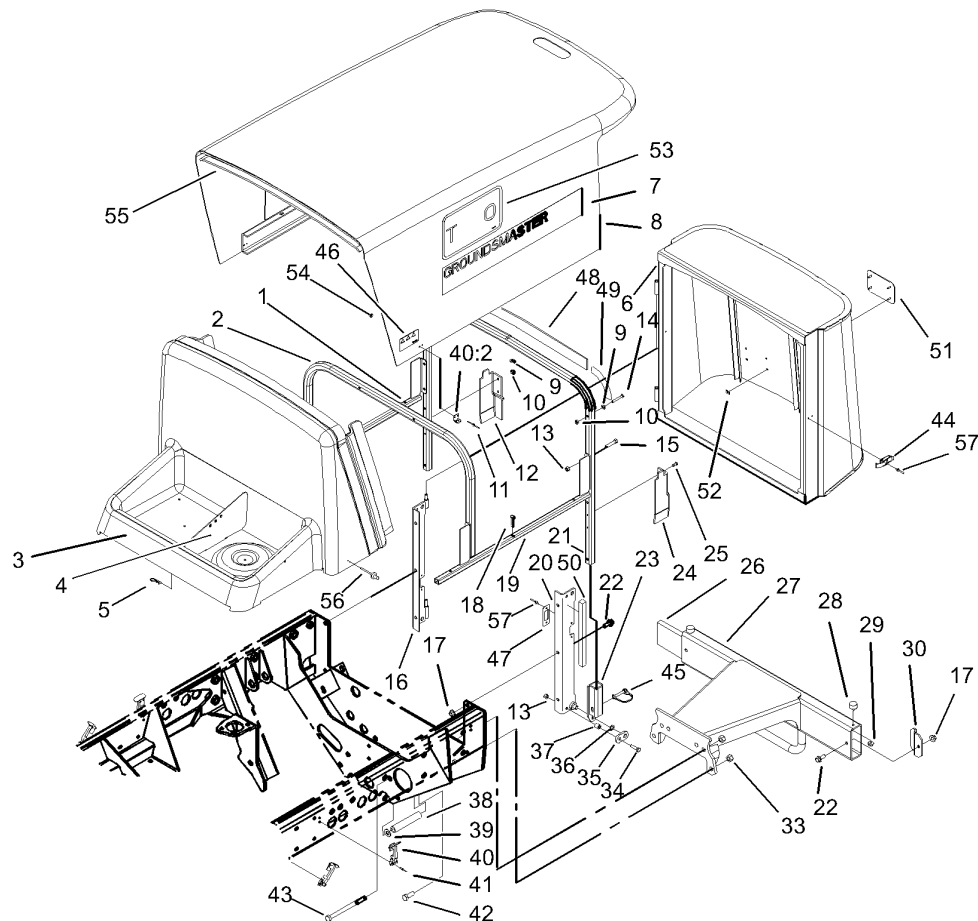
- ❶** Not illustrated
- ❷** Not serviced separately



Hood Screen and Bumper Assembly

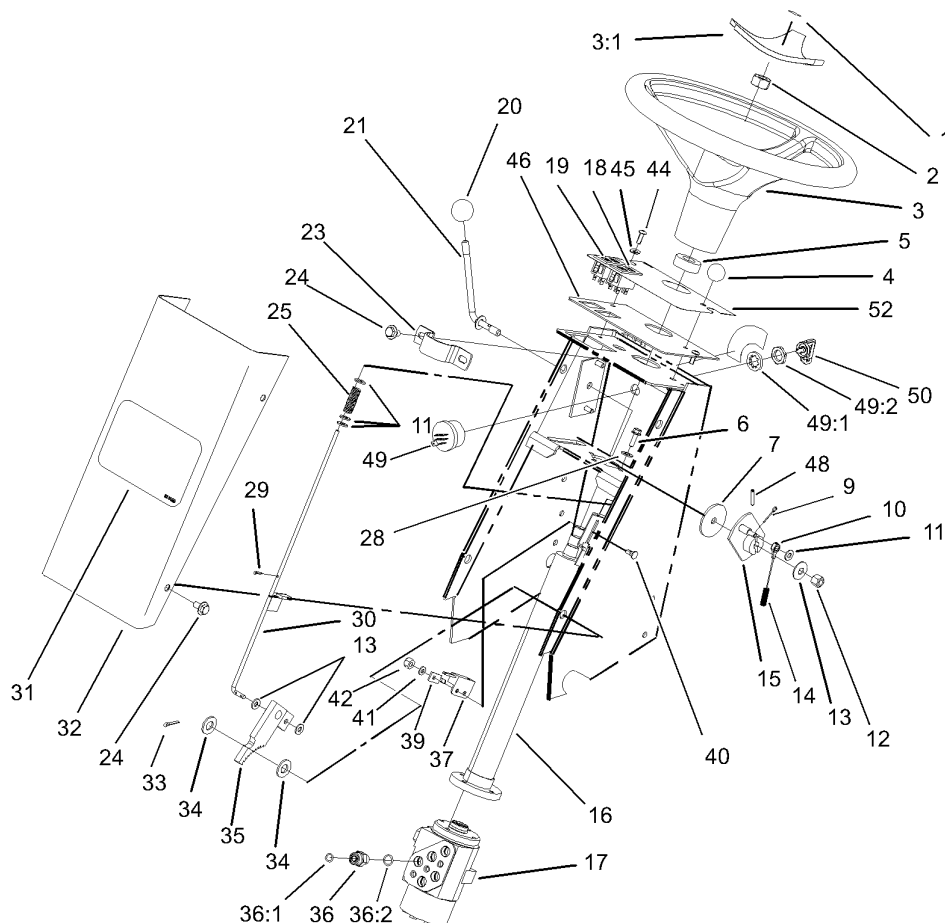
Ref	Part No.	Qty.	Description
1	104-5437-03	1	Tube-Hood Frame, LH
2	104-5434-03	1	Tube-Front, Hood
3	104-5430	1	Shroud-Front
4	104-5446-03	1	Divider-Shroud
5	3290-467	2	Pin-Hair
6	104-5454-03	1	Screen ASM
7	105-9877	2	Decal
8	104-5419	1	Hood
9	3256-22	12	Washer-Flat
10	3296-42	12	Nut-Lock, NI
11	3269-17	4	Rivet-Pop
12	104-5431	1	Cover-Tube, RH
13	3296-29	10	Nut-Lock, NI
14	321-10	6	Screw-HH
15	322-9	8	Screw-HH
16	104-5445-03	1	RH Support ASM
17	32128-43	6	Nut-Flange
18	321-13	6	Screw-HH
19	104-5438-03	1	Tube-Hood Frame, RH
20	104-5444-03	1	LH Support ASM
21	104-5435-03	1	Tube-Rear, Hood
22	3234-11	6	Screw-HHF
23	104-5440-03	2	Hood Receiver ASM
24	104-5432	1	Cover-Tube, LH

Ref	Part No.	Qty.	Description
25	32104-17	4	Screw-HWH
26	105-9199-03	1	Weight-Bumper
27	105-9221-03	1	Rear Bumper ASM
28	240-14	2	Bumper-Rubber
29	32128-33	5	Nut-HF
30	105-9200-03	2	Clamp-Weight, Bumper
33	3296-23	4	Nut-Lock, NI
34	322-17	2	Screw-HH
35	104-5450	2	Retainer-Receiver, Hood
36	3290-221	2	Washer-Spring
37	104-5451	2	Spacer-Receiver, Hood
38	76-8350	2	Stop-Axle
39	3256-26	2	Washer-Flat
40	59-9740	4	Flex Draw Latch ASM
40:2	249-40	1	Keeper
41	3290-55	8	Rivet-Pop
42	325-6	2	Screw-HH
43	325-33	2	Screw-HH
44	105-3912	1	Latch-Draw
45	105-9245	2	Pin-Lock
46	106-6754	2	Decal-Danger
47	104-5459	1	Plate-Latch
48	105-9234	1	Seal-Foam
49	105-9237	2	Seal-Foam



Hood Screen and Bumper Assembly (continued)

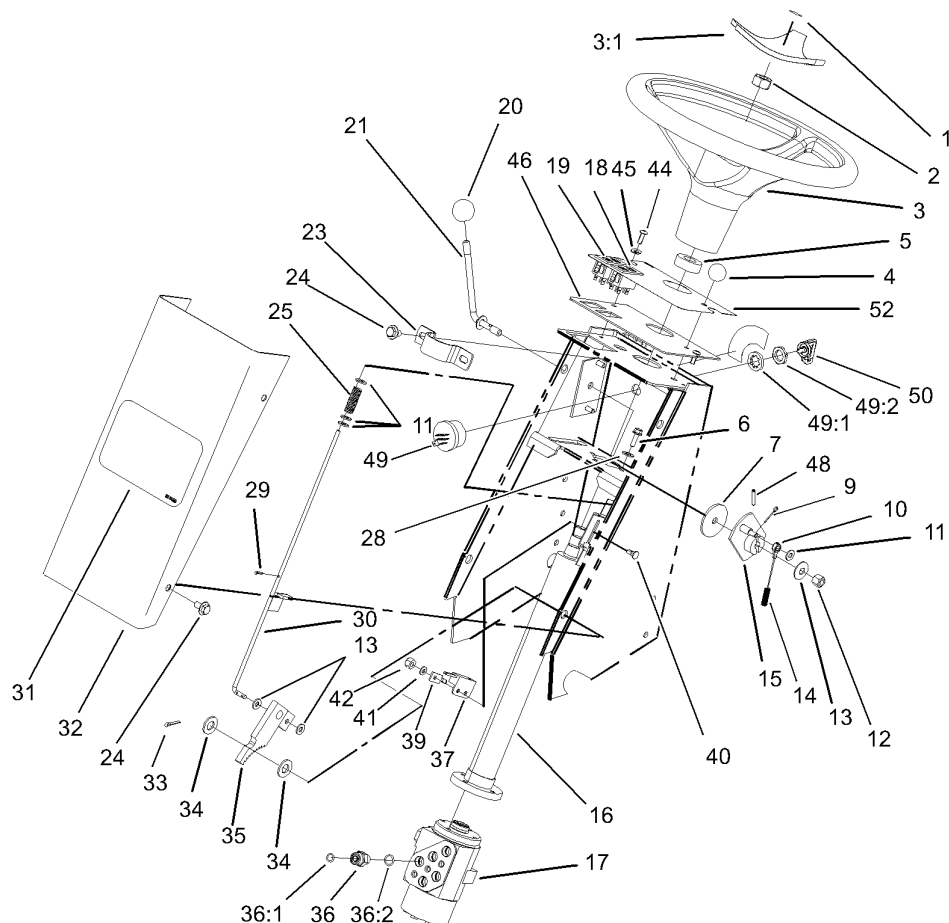
Ref	Part No.	Qty.	Description				
50	105-9235	2	Seal-Foam				
51	93-6028	1	Plate-Logo				
52	94-2638	4	Nut-Tinnerman				
53	66-1210	2	Decal				
54	3269-10	8	Washer-Back				
55	105-9829	1	Seal-Foam				
56	3290-55	4	Rivet-Pop				
57	3269-15	4	Rivet				



Steering Tower Assembly

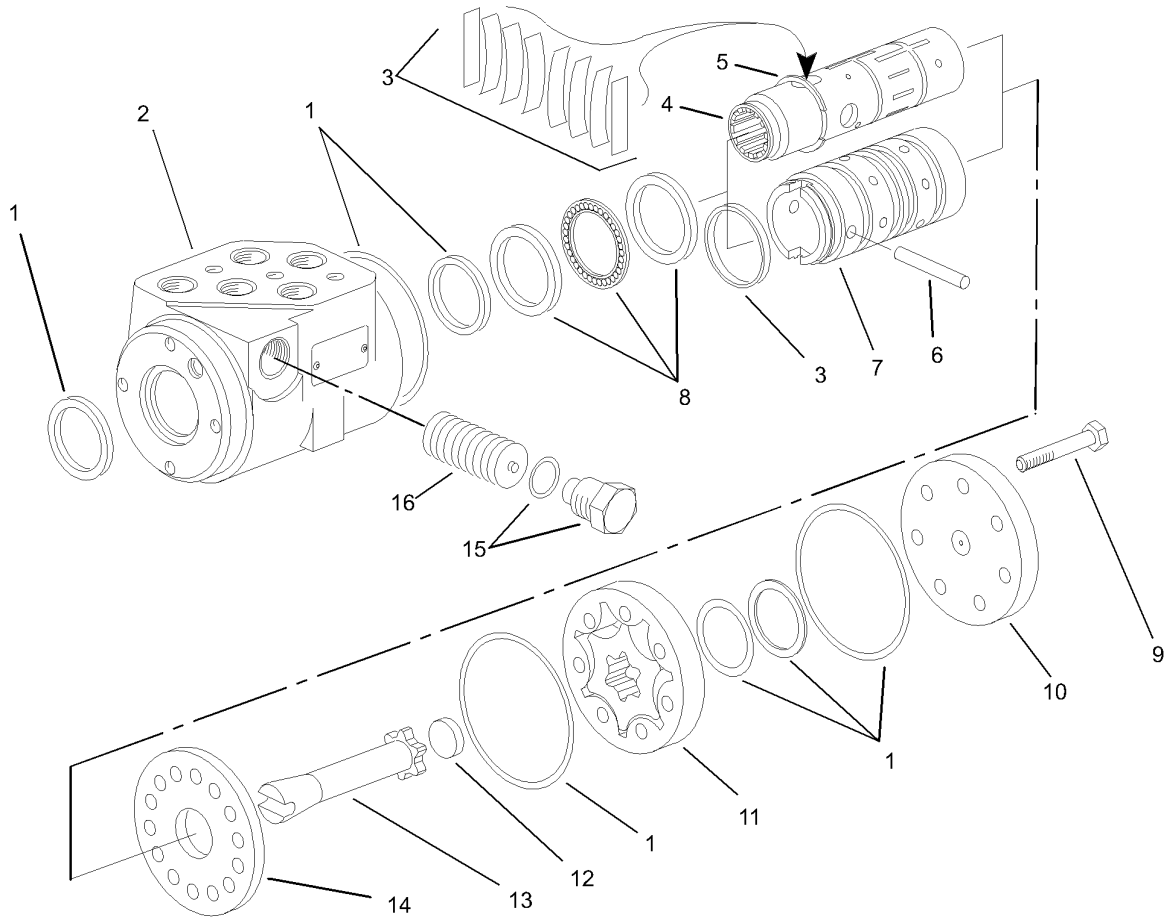
Ref	Part No.	Qty.	Description
1	98-1459	1	Decal
2	94-9952	1	Nut-Hex
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	233-17	1	Knob
5	21-9260	1	Cover-Dust
6	33103-016	3	Screw-HHF
7	75-6550	1	Disc-Friction
9	3272-2	1	Pin-Cotter
10	75-6580	1	Cable-Pedal
11	3256-22	5	Washer-Flat
12	3296-39	1	Nut-Lock, NI
13	3290-461	1	Washer-Spring
14	95-7151	1	Tube-Convolutd
15	75-6510	1	Bracket-Lever
16	94-9951	1	Column-Steering
17	104-2213	1	Valve-Steering
18	100-8071	1	Lamp-Warning
19	100-8070	1	Lamp-Warning
20	233-42	1	Knob
21	75-6490	1	Lever ASM
23	75-2810	1	Bracket-Column, Steering
24	3234-7	6	Screw-HHF
25	95-1821-03	1	Spring-Compression

Ref	Part No.	Qty.	Description
28	3256-23	6	Washer-Flat
29	3272-5	3	Pin-Cotter
30	104-1492	1	Rod ASM
31	62-5550	1	Decal
32	93-7996-01	1	Cover-Tower
33	3272-10	1	Pin-Cotter
34	3256-26	2	Washer-Flat
35	63-7900-03	1	Rack ASM
36	340-2	5	Fitting-Straight, HYD
36:1	237-22	1	O-Ring
36:2	237-42	1	O-Ring
37	100-1270	1	Switch-Proximity
39	100-4872	1	Plate-Switch, Neutral
40	104-1450	1	Bolt-CARR
41	3256-14	1	Washer-Flat
42	3296-2	1	Nut-Lock
44	87-6620	2	Screw
45	3256-1	2	Washer-Flat
46	105-9232-03	1	Plate-Instrument
48	32121-45	1	Pin-Spring
49	88-9830	1	Key Switch ASM
49:1	3254-5	1	Washer-Tooth
49:2	218-461	1	Nut-HH
50	63-8360	1	Key-Ignition



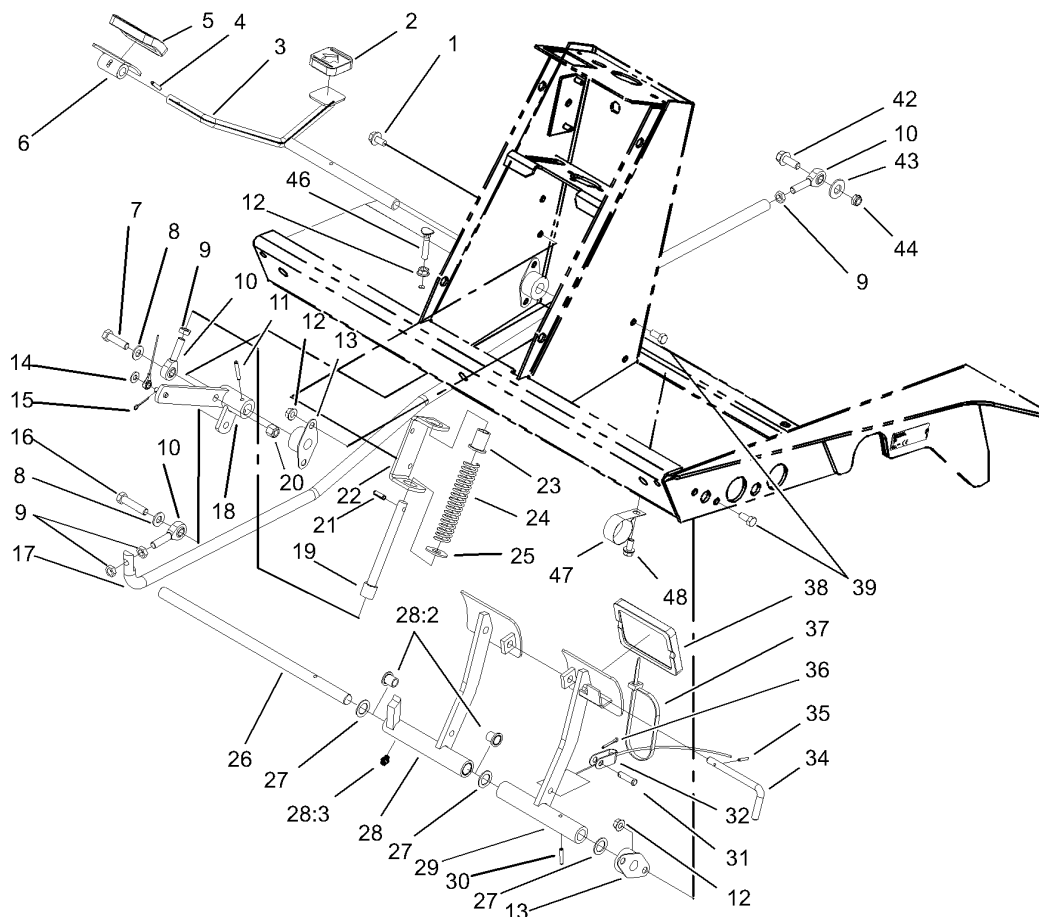
Steering Tower Assembly (continued)

Ref	Part No.	Qty.	Description
52	105-3888	1	Decal-Tower
199	3290-379	1	Tie-Cable



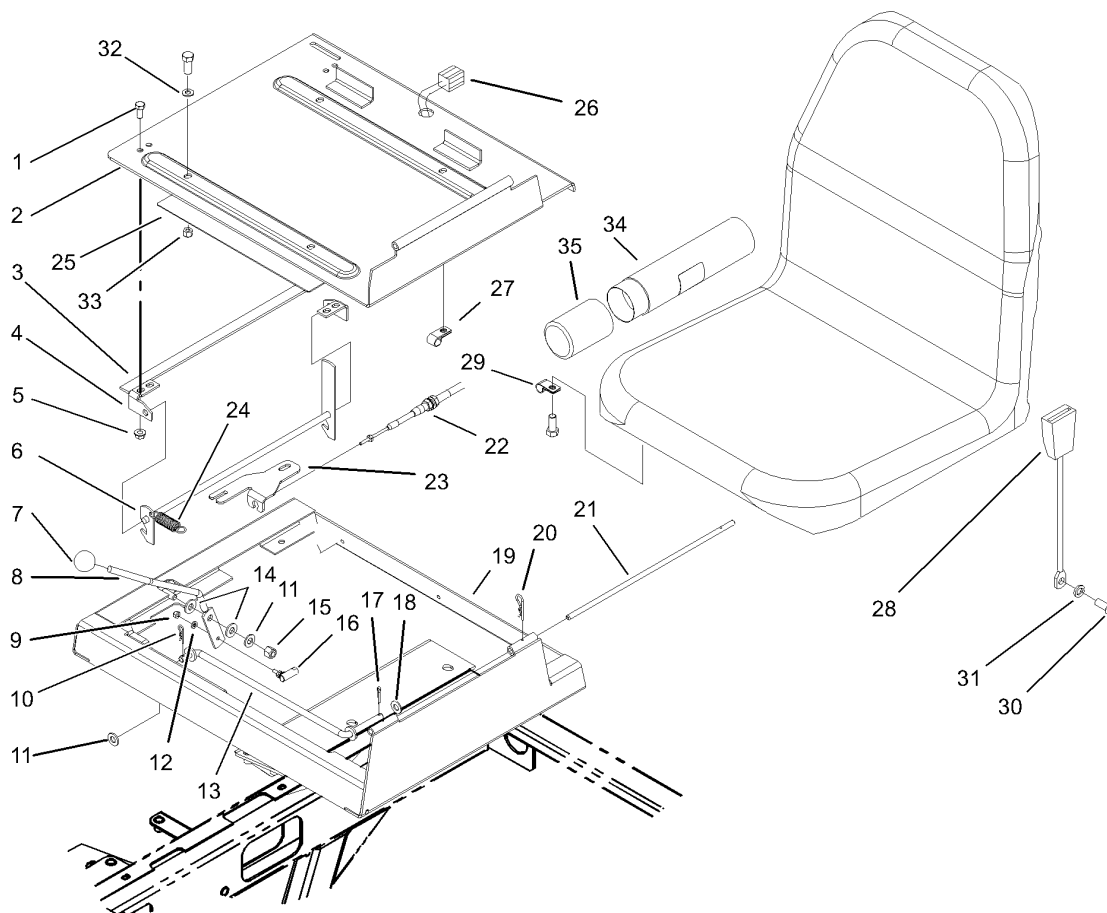
Steering Valve Assembly No. 104-2213

Ref	Part No.	Qty.	Description				
1	94-4099	1	Seal Kit				
2		1	Housing				
3	94-4095	1	Centering Spring Kit				
4		1	Spool				
5	94-4098	1	Ring-Retaining				
6	94-4094	1	Pin				
7		1	Sleeve				
8	94-4096	1	Bearing Kit				
9	94-4088	7	Screw-Cap				
10	94-4089	1	Cap-End				
11	94-4090	1	Gerotor				
12	94-4091	1	Spacer				
13	94-4093	1	Drive				
14	94-4092	1	Plate-Wear				
15	99-5511	1	Plug ASM				
16	99-5500	1	Valve-Relief				



Traction and Brake Pedal Assembly

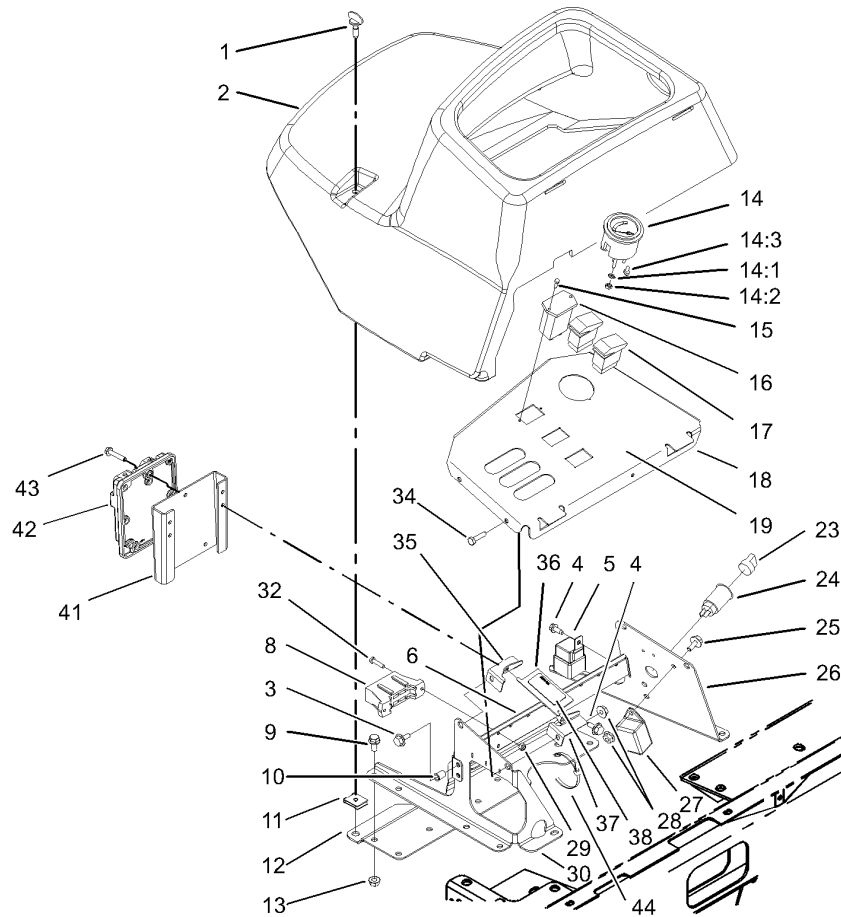
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	32144-14	4	Screw-HWH	25	3256-5	1	Washer-Flat
2	74-9110	1	Pad-Pedal, Reverse	26	75-1470	1	Pin-Pivot, Brake
3	75-2970	1	Pedal-Traction	27	3256-69	3	Washer-Flat
4	32121-45	1	Pin-Spring	28	75-1430	1	Pedal-Brake, RH
5	74-9100	1	Pad-Pedal, Forward	28:2	256-42	2	Bushing
6	49-6440-03	1	Pedal-Forward	28:3	302-5	1	Fitting-Grease
7	323-29	1	Screw-HH	29	75-1440-03	1	LH Brake Pedal ASM
8	3256-24	2	Washer-Flat	30	32121-16	1	Pin-Spring
9	3220-3	4	Nut-Hex, Jam	31	283-58	2	Pin-Clevis
10	2411-36	3	Bearing-End, Rod	32	92-7530	1	LH Brake Cable ASM
11	32121-6	1	Pin-Roll, Slotted	33	92-7529	1	RH Brake Cable ASM
12	32128-20	12	Nut-HF	34	63-7880	1	Pin-Latch, Brake
13	256-236	4	Bearing-Mount, Flange	35	32121-50	1	Pin-Spring
14	3256-22	1	Washer-Flat	36	3272-10	2	Pin-Cotter
15	3272-2	1	Pin-Cotter	37	3290-378	1	Tie-Cable
16	323-9	1	Screw-HH	38	93-8742	2	Footpad-Brake
17	104-5632-03	1	Rod-Control, Pump	39	322-3	8	Screw-HH
18	75-3270-03	1	Hub-Pivot, Traction	42	3234-11	1	Screw-HHF
19	92-7609	1	Shaft-Spring	43	5-0652	1	Spacer
20	3296-39	2	Nut-Lock, NI	44	3296-59	1	Nut-Lock, NI
21	32121-11	1	Pin-Roll	46	17-9420	2	Screw-Handle
22	92-7608-03	1	Bracket-Spring	47	2412-150	1	J-Clip
23	92-7610	1	Retainer-Spring	48	3234-14	1	Screw-HHF
24	84-9100	1	Spring				



Throttle and Seat Frame Assembly

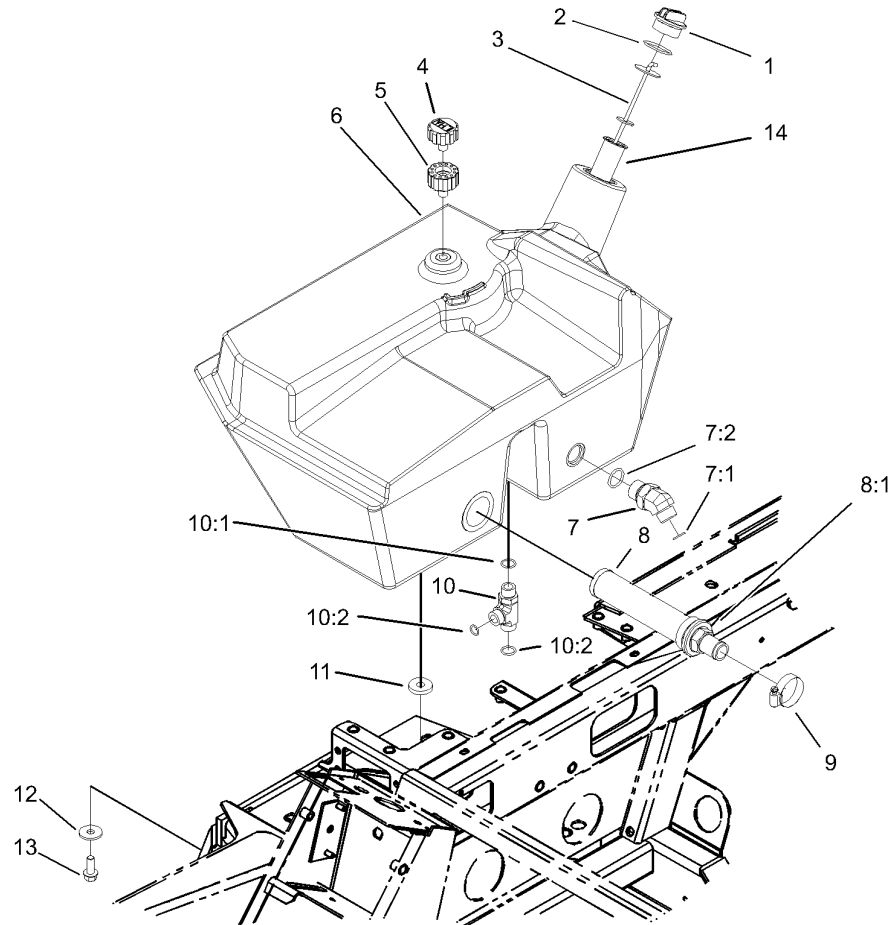
Ref	Part No.	Qty.	Description
1	322-3	8	Screw-HH
2	98-2350-03	1	Seat Plate ASM
3	94-8146	1	Strip-Foam
4	98-2353	2	Bracket-Latch, Seat
5	32128-25	4	Nut-HF
6	98-2354-03	1	Latch-Seat
7	233-42	1	Knob
8	93-7598-03	1	Lever-Throttle
9	3296-21	1	Nut-Lock, NI
10	3290-307	1	Pin-Hair
11	3256-24	3	Washer-Flat
12	3256-51	1	Washer-Flat
13	75-3680-03	1	Rod-Seat
14	66-2920	2	Washer-Friction
15	3296-39	1	Nut-Lock, NI
16	2411-38	1	Joint-Ball
17	3272-10	1	Pin-Cotter
18	52-2900	2	Washer-Plastic
19	98-2352-03	1	Frame-Seat
20	3290-467	1	Pin-Hair
21	75-3400	1	Shaft-Pivot, Seat
22	104-7547	1	Cable-Throttle
23	105-3929-03	1	Bracket-Cable, Throttle
24	66-4190-03	1	Spring-Idler, Clutch

Ref	Part No.	Qty.	Description
25	105-9895	1	Decal-Quick Ref
26	105-9189	1	Harness-Wire, Seat Switch
27	2412-133	2	R-Clamp
28	100-4928	1	Belt-Seat
29	2412-93	1	Clamp-R
30	3212-4	2	Screw-HH
31	3253-6	2	Washer-Lock
32	3256-23	4	Washer-Flat
33	3296-29	10	Nut-Lock, NI
34	104-7050	1	Housing-Manual
35	104-7048	1	Cap-Housing



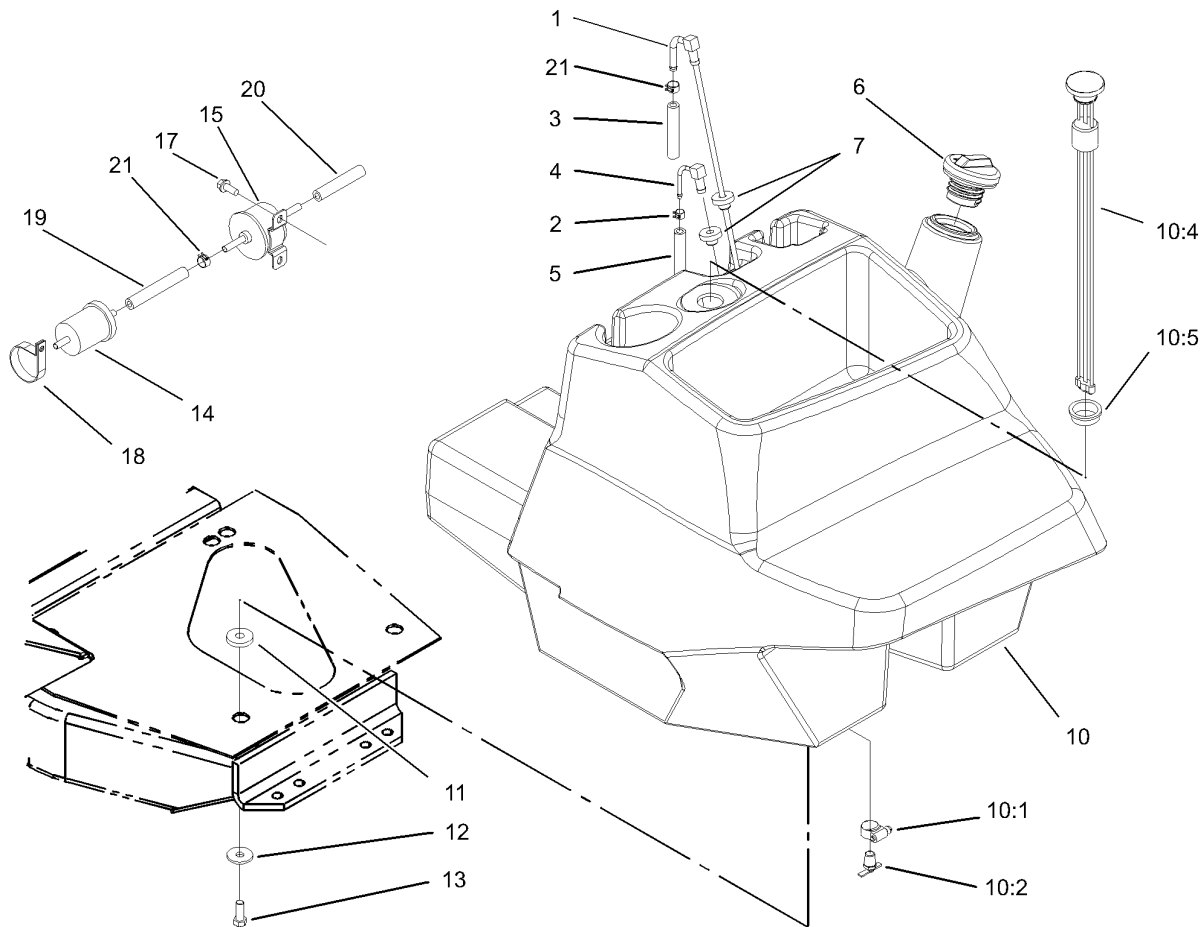
Control Console Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	105-9208	2	Screw-Head, Wing	25	3234-4	1	Screw-HHF
2	104-5599	1	Cover-Console	26	104-5610-03	1	Panel-Dash, Rear
3	3234-13	4	Screw-HHF	27	98-7611	1	Controller-Glow
4	32144-10	7	Screw-HWH	28	32128-33	4	Nut-HF
5	99-7430	3	Relay	29	3296-2	6	Nut-Lock
6	104-5613-03	1	Panel-Relay	30	104-5609-03	1	Panel-Dash, Front
8	105-9867	1	Harness-Wire, Console	31	105-3986	1	Module-Control, Deck
9	3234-14	13	Screw-HHF	32	32105-13	6	Screw-SHH
10	32148-6	6	Insert-Nut	34	321-6	2	Screw-HH
11	105-9209	2	Recepticle-Clip On	35	105-9840	1	Bracket-Latch, RH
12	104-5612-03	1	Support-Cover	36	105-9842	1	Plate-Latch, Ce
13	32128-20	4	Nut-HF	37	105-9841	1	Bracket-Latch, LH
14	98-9308	1	Gauge-Temperature	38	105-9830	1	Decal-Lever Lock, Ce
14:1	3254-1	3	Washer-Lock, Int	41	105-9873-03	1	Bracket-Module, Standard Control
14:2	3217-27	3	Nut-Hex	42	105-8505	1	Module-Control, Standard
14:3	105-9265	1	Bulb And Lamp ASM	43	32144-110	3	Screw-HWH
15	32144-18	2	Screw-HH	44	3290-379	5	Tie-Cable
16	75-6820	1	Hourmeter				
17	95-8999	2	Switch				
18	104-5611-03	1	Dash				
19	105-9223	1	Decal-Console, Ce				
19	105-3890	1	Decal-Console				
23	99-7416	1	Cap				
24	99-7411	1	Point-Power				



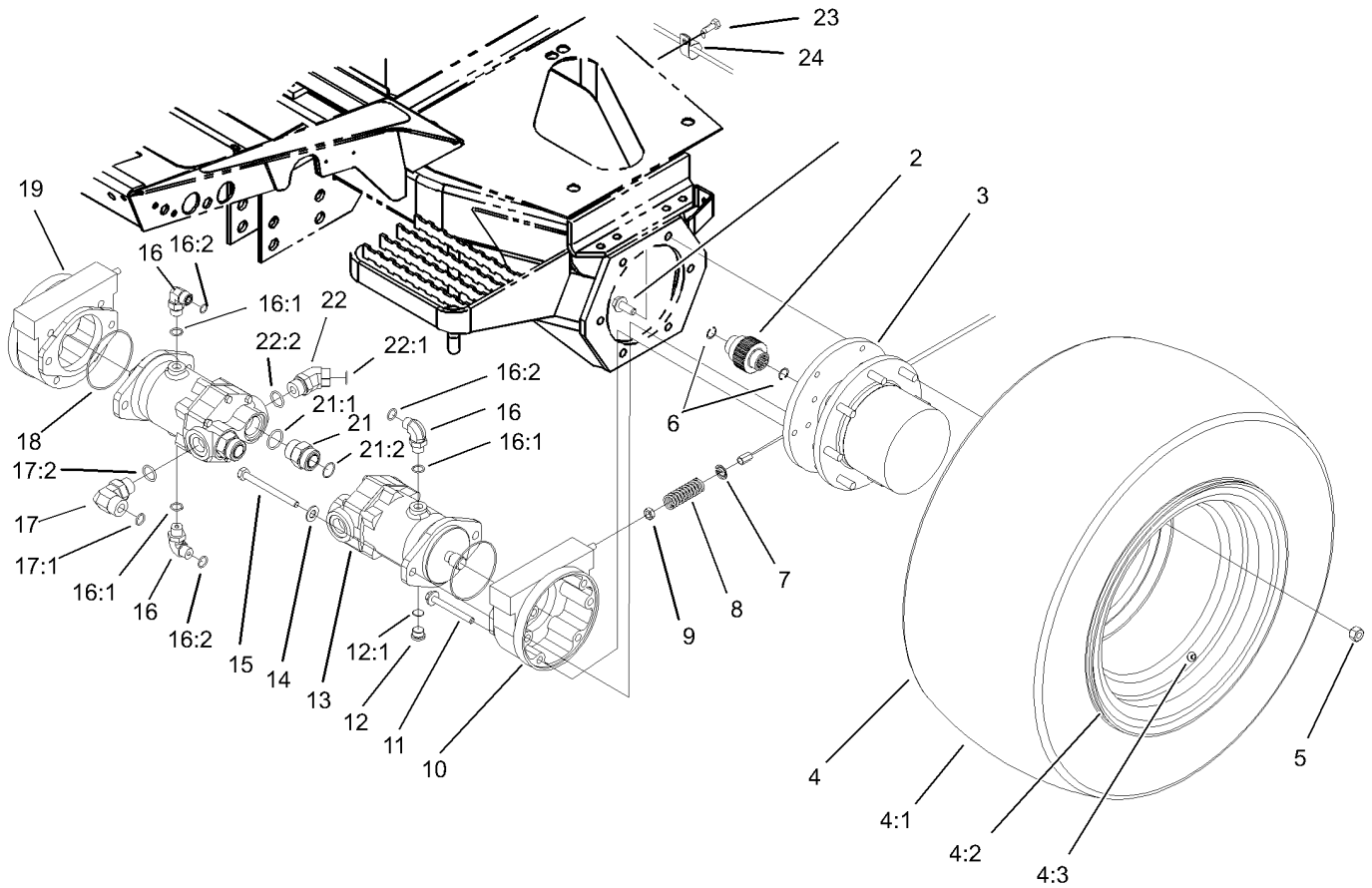
Hydraulic Filter and Reservoir Assembly

Ref	Part No.	Qty.	Description				
1	93-7498	1	Plug-Plastic				
2	94-8166	1	O-Ring				
3	75-3710	1	Dipstick				
4	68-6150	1	Breather				
5	92-8020	1	Adapter-Breather				
6	104-5600	1	Tank-HYD				
7	340-156	1	Fitting-HYD				
7:1	237-65	1	O-Ring				
7:2	237-81	1	O-Ring				
8	104-7546	1	Strainer-Tank				
8:1	340-136	1	O-Ring				
9	2412-111	2	Clamp				
10	340-109	1	Fitting-HYD, Tee				
10:1	237-79	1	O-Ring				
10:2	237-30	2	O-Ring				
11	240-11	3	Bushing-Flange				
12	63-8410	3	Washer				
13	3234-11	3	Screw-HHF				
14	61-2790	1	Filter-Screen				



Fuel Tank and Filter Assembly

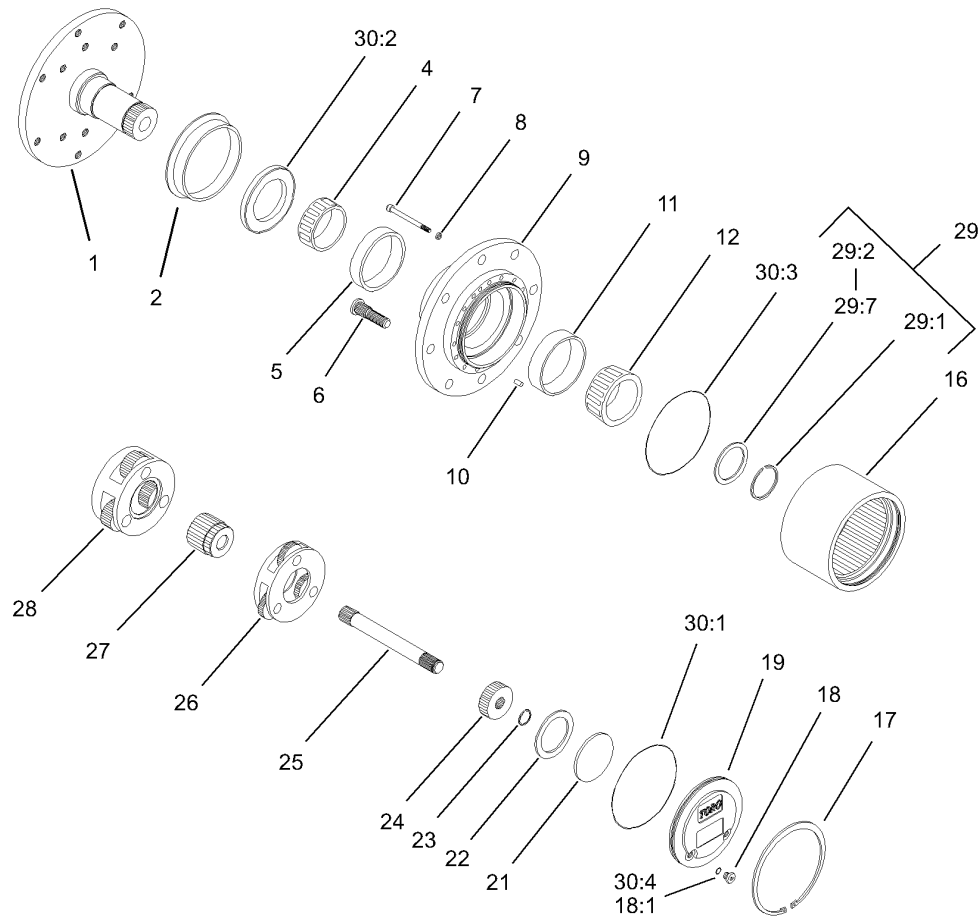
Ref	Part No.	Qty.	Description				
1	104-5604	1	Fitting-Suction				
2	2412-80	2	Clamp-Line, Fuel				
3	39-1120	1	Hose-Fuel				
4	104-5605	1	Fitting-Return				
5	105-9242	1	Hose-Fuel				
6	93-3102	1	Cap-Fuel				
7	46-6560	2	Bushing				
10	104-5601	1	Fuel Tank ASM				
10:1	2412-36	1	Clamp-Hose				
10:2	304-46	1	Draincock				
10:4	104-5603	1	Gauge-Level, Fuel				
10:5	95-8972	1	Grommet				
11	240-11	4	Bushing-Flange				
12	63-8410	4	Washer				
13	3234-11	4	Screw-HHF				
14	98-7612	1	Filter-Fuel				
15	104-5215	1	Pump-Fuel, Electric				
17	32144-10	3	Screw-HWH				
18	2412-148	1	Clamp-R				
19	105-9196	1	Hose-Fuel				
20	93-2230	1	Hose-Fuel				
21	92-2379	5	Clamp-Hose				



Front Drive and Brake Assembly

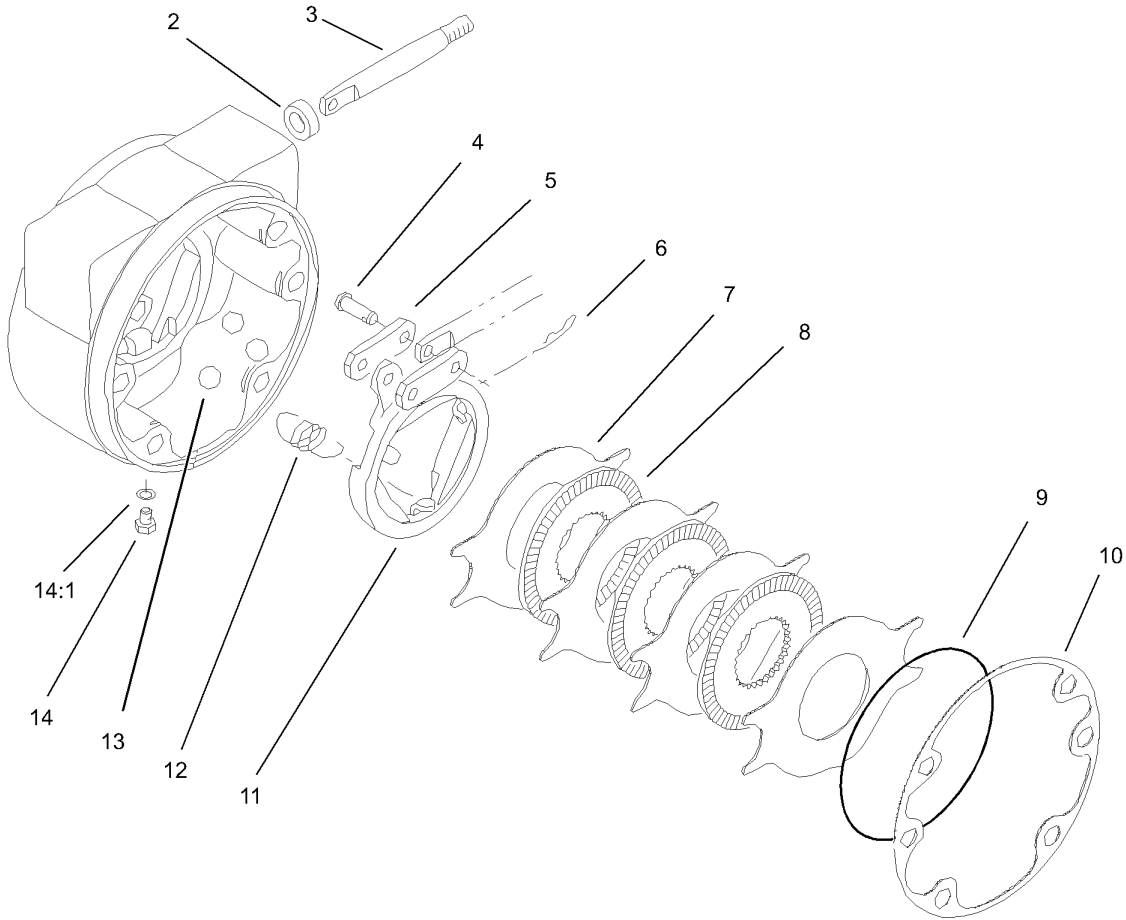
Ref	Part No.	Qty.	Description
1	33106-030	12	Screw-HHF
2	100-3046	2	Shaft-Brake, Splined
3	105-4500-03	2	Planetary ASM
4		2	Wheel And Tire ASM
4:1	95-3465	1	Tire
4:2	95-3464	1	Rim
4:3	232-24	1	Stem-Valve
5	92-7483	16	Nut-Lug
6	93-7972	4	Ring-Retaining, Internal
7	94-3050	2	Plate-Spring
8	94-3088	2	Spring-Compression
9	3218-4	2	Nut-Jam
10	100-3070-03	1	Brake ASM
11	33106-090	8	Screw-HHF
12	353-988	1	Plug-Hex
12:1	237-79	1	O-Ring
13	105-1218	2	Motor-Piston
14	3256-26	4	Washer-Flat
15	33116-120	4	Screw-HH
16	340-98	3	Fitting-HYD, 90 DEG
16:1	237-79	1	O-Ring
16:2	237-30	1	O-Ring
17	340-142	2	Fitting-HYD, 90 DEG
17:1	237-58	1	O-Ring

Ref	Part No.	Qty.	Description
17:2	237-81	1	O-Ring
18	237-166	2	O-Ring
19	100-3069-03	1	Brake ASM
21	104-3797	4	Fitting-HYD, Straight
21:1	237-146	1	O-Ring
21:2	340-65	1	O-Ring
22	100-5530	2	Fitting-HYD, 45 DEG
22:1	237-58	1	O-Ring
22:2	237-81	1	O-Ring
23	32144-14	2	Screw-HWH
24	2412-93	2	Clamp-R



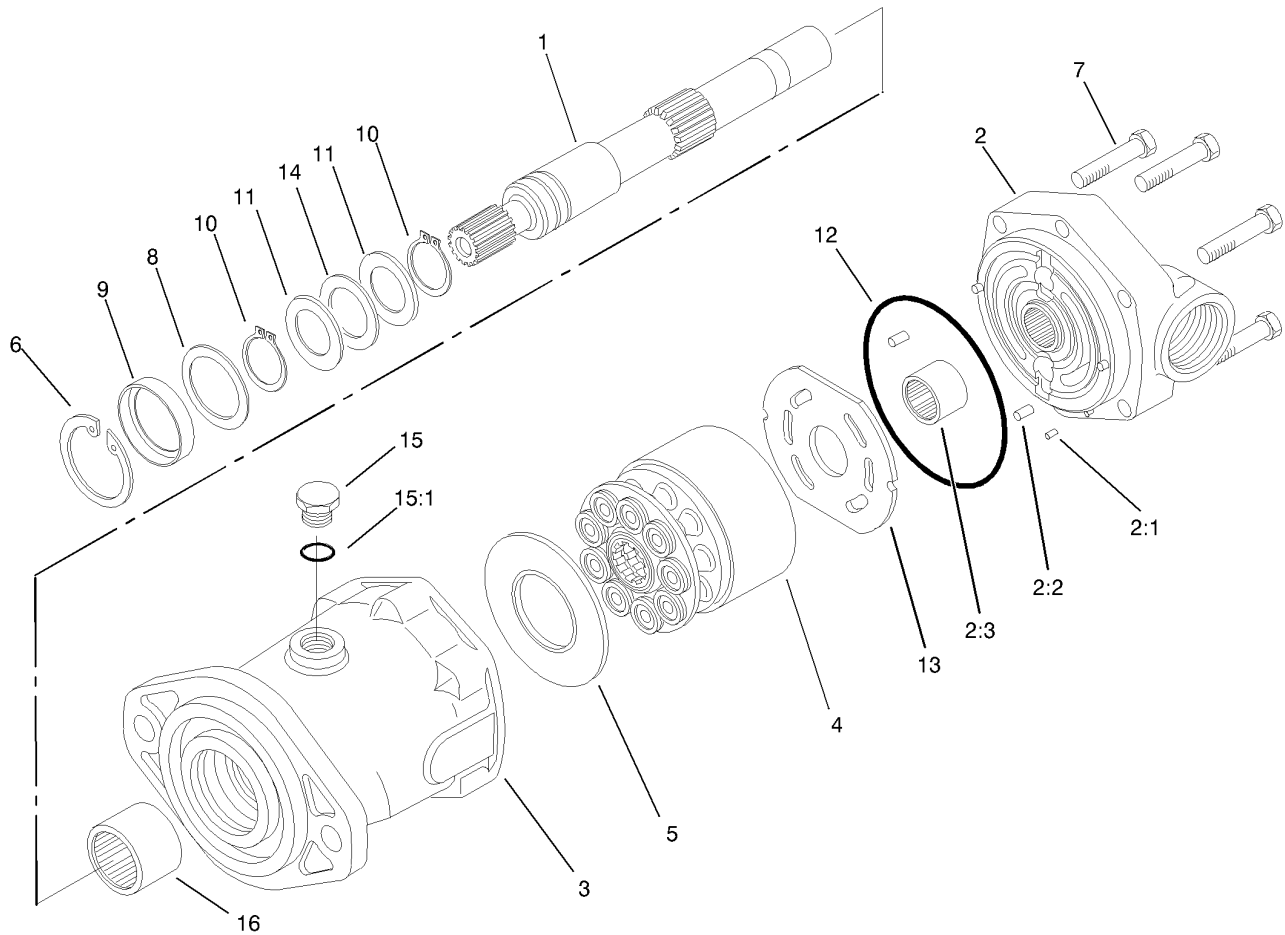
Planetary Assembly No. 105-4500-03

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1		1	Spindle	29	105-8136	1	Shim Kit
2	105-8122	1	Seal-Boot	29:1		1	Ring-Snap
4	105-8120	1	Bearing-Cone	29:2		1	Shim-Bearing, 2.9Mm
5	105-8119	1	Bearing-Cup	29:3		1	Shim-Bearing, 2.8Mm
6	105-8124	8	Stud-Wheel	29:4		1	Shim-Bearing, 2.7Mm
7	105-8125	16	Bolt-Head, Socket	29:5		1	Shim-Bearing, 2.6Mm
8	3253-18	16	Washer-Lock	29:6		1	Shim-Bearing, 2.5Mm
29		1	Housing	29:7		1	Shim-Bearing, 2.4Mm
10	105-8121	1	Pin-Dowel	30	105-8137	1	Seal Kit
11	105-8117	1	Bearing-Cup	30:1		1	O Ring-Flange Cap
12	105-8118	1	Bearing-Cone	30:2		1	Seal-Oil
16	105-8113	1	Gear-Ring	30:3		2	O Ring-End Cap
17	105-8132	1	Ring-Retaining	30:4	237-78	2	O-Ring
18	353-990	2	Plug				
18:1	237-78	1	O-Ring				
19	105-8138	1	Cap-End				
21	105-8133	1	Plug-Thrust				
22	105-8123	1	Washer-Thrust				
23	105-8131	1	Ring-Retaining				
24	105-8114	1	Gear-Primary				
25	105-8115	1	Shaft-Drive				
26	105-8129	1	Primary Carrier ASM				
27	105-8139	1	Gear-Secondary				
28	105-8130	1	Secondary Carrier ASM				



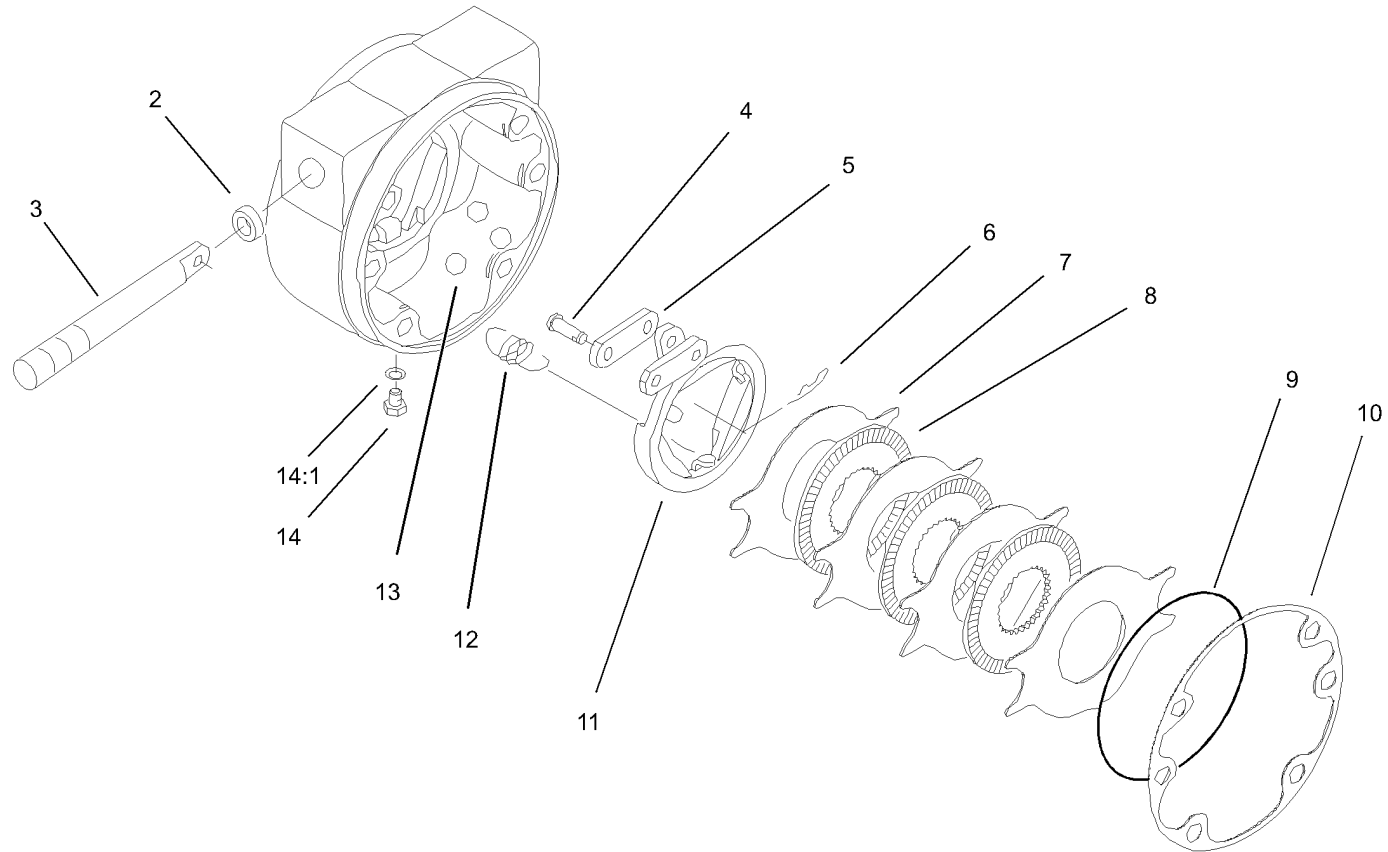
Left Hand Brake Assembly No. 100-3070-03

Ref	Part No.	Qty.	Description				
2	93-7977	1	Seal				
3	93-7978	1	Rod-Pull				
4	93-7983	2	Pin-Clevis				
5	93-7980	2	Link				
6	93-7979	2	Pin-Hitch				
7	93-7986	4	Disc-Stationary				
8	104-4278	3	Disc-Rotating				
9	93-7976	1	Ring-Retaining				
10	93-7984	1	Gasket				
11	104-4279	1	Actuator-Rotating				
12	93-7987	3	Spring-Extension				
13	93-7985	3	Ball				
14	353-990	2	Plug				
14:1	237-78	1	O-Ring				



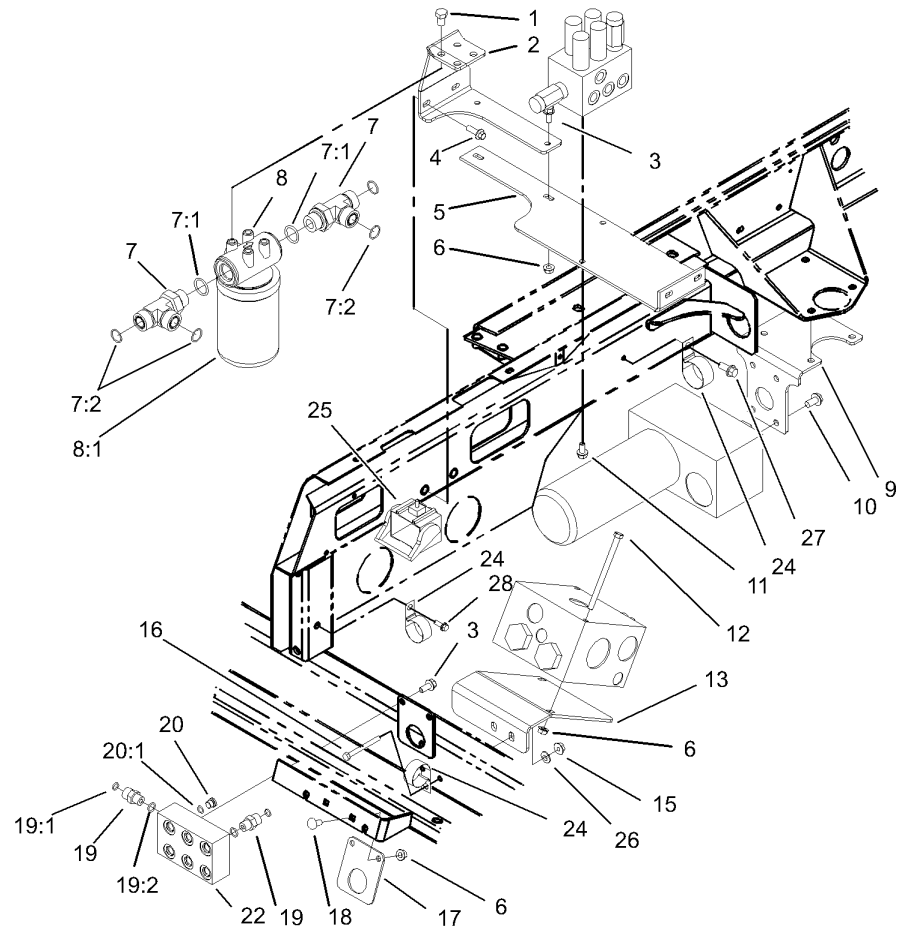
Piston Motor Assembly No. 105-1218

Ref	Part No.	Qty.	Description				
1	94-3004	1	Shaft-Drive, Splined				
2	105-2851	1	Backplate ASM				
2:1		3	Pin-Dowel				
2:2		1	Pin-Dowel				
2:3		1	Bearing-Needle				
23		1	Housing				
4	76-6910	1	Rotating Kit				
5	76-6970	1	Insert-Plate, Cam				
6	60-6260	1	Ring				
7	94-3002	6	Capscrew				
8	94-3007	1	Washer				
9	105-3331	1	Seal-Shaft				
10	76-7000	2	Ring-Retaining				
11	60-6160	2	Race				
12	76-6980	1	O-Ring				
13	94-3003	1	Plate-Valve				
14	60-6170	1	Bearing-Thrust				
15	353-550	1	Plug-HYD, HH				
15:1	237-79	1	O-Ring				
16	63-4390	1	Bearing-Needle				



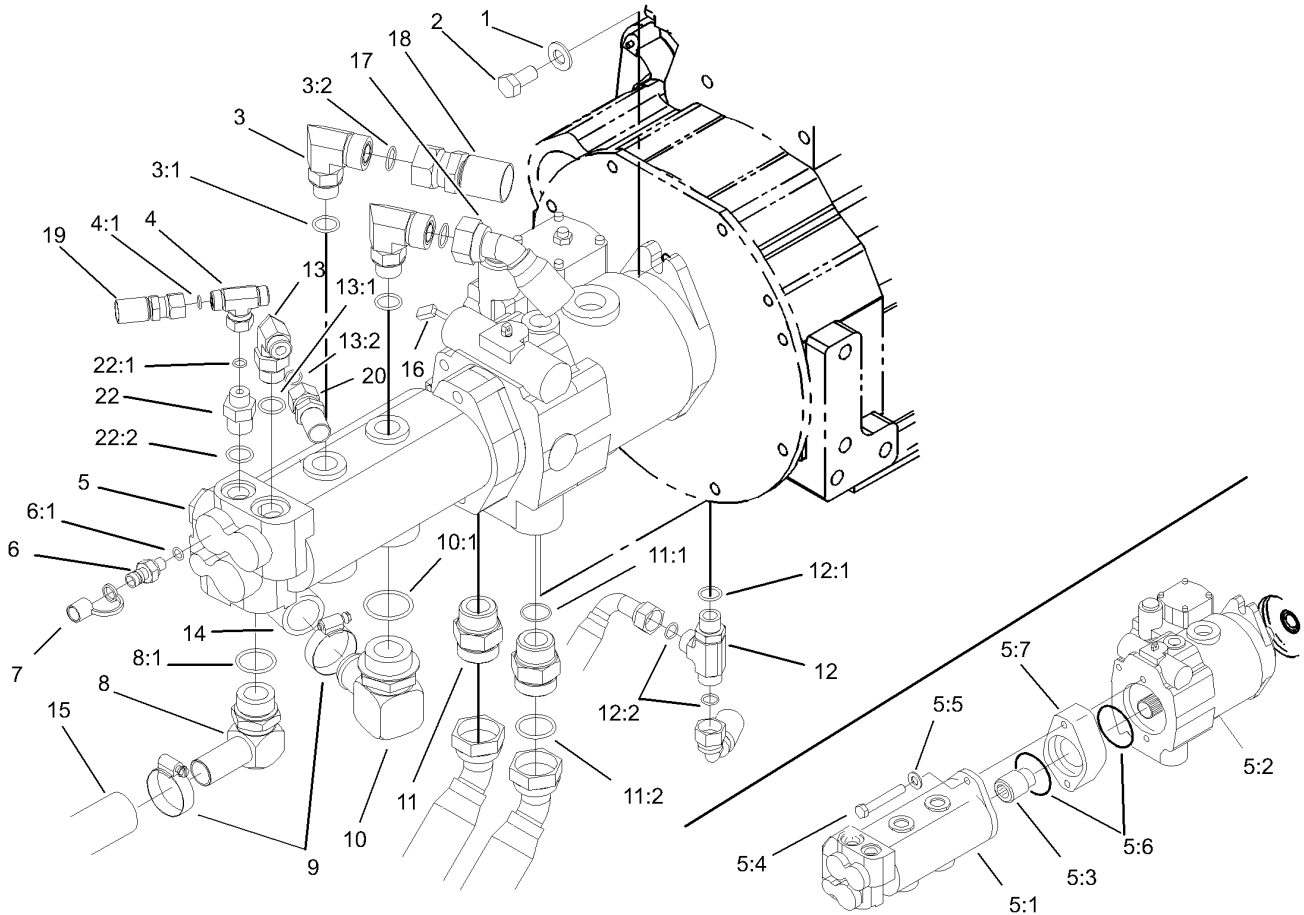
Right Hand Brake Assembly No. 100-3069-03

Ref	Part No.	Qty.	Description				
2	93-7977	1	Seal				
3	93-7978	1	Rod-Pull				
4	93-7983	2	Pin-Clevis				
5	93-7980	2	Link				
6	93-7979	2	Pin-Hitch				
7	93-7986	4	Disc-Stationary				
8	104-4278	3	Disc-Rotating				
9	93-7976	1	Ring-Retaining				
10	93-7984	1	Gasket				
11	104-4280	1	Actuator-Rotating				
12	93-7987	3	Spring-Extension				
13	93-7985	3	Ball				
14	353-990	2	Plug				
14:1	237-78	1	O-Ring				



Manifold Mounting and Fitting Assembly

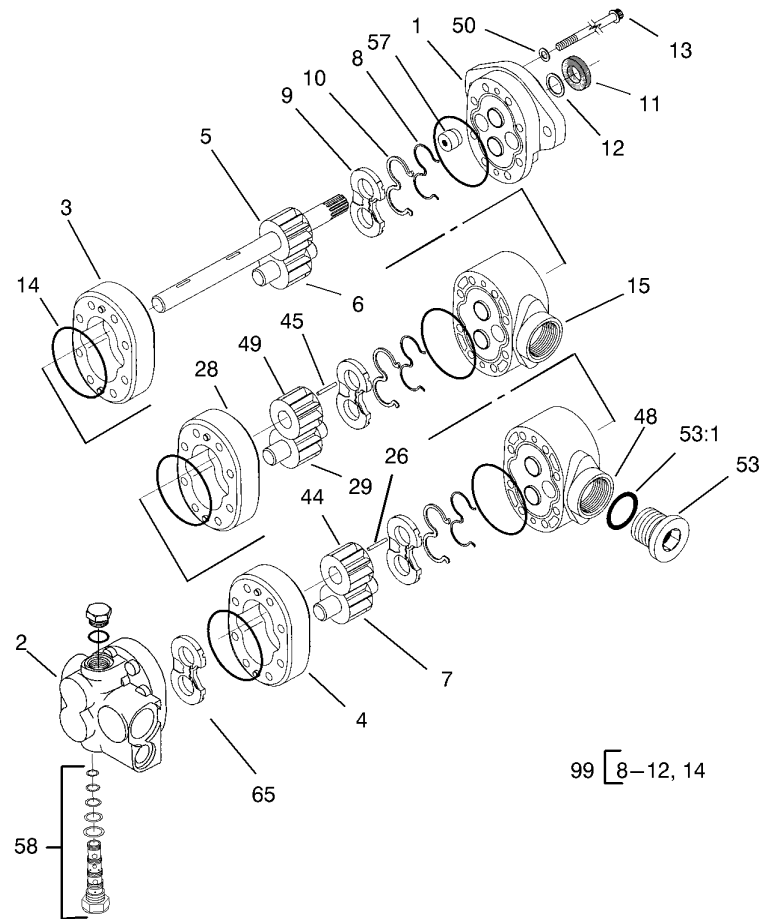
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	33115-016	4	Screw-HH	20:1	237-78	1	O-Ring
2	104-5492-03	1	Bracket-Mount, Filter	22	104-5515	1	Manifold-Junction, Lift
3	3234-5	4	Screw-HHF	24	2412-150	3	J-Clip
4	3234-17	4	Screw-HHF	25	105-9868	1	Harness-Wire, Main
5	104-5493-03	1	Bracket-Mount, Valve	26	3256-22	2	Washer-Flat
6	32128-20	6	Nut-HF	27	32144-14	1	Screw-HWH
7	340-148	2	Fitting-Tee	28	3234-4	1	Screw-HHF
7:1	237-81	1	O-Ring				
7:2	237-58	2	O-Ring				
8	93-2242	1	Oil Filter ASM				
8:1	75-1310	1	Element-Filter				
9	104-5471-03	1	Bracket-Valve, Filter				
10	3234-1	4	Screw-HHF				
11	3234-14	4	Screw-HHF				
12	322-48	2	Screw-HH				
13	104-5467-03	1	Bracket-Mount, Valve				
15	32128-33	2	Nut-HF				
16	321-14	2	Screw-HH				
17	104-5516-01	1	Support-Tube				
18	3230-23	2	Screw-CARR				
19	340-2	4	Fitting-Straight, HYD				
19:1	237-22	1	O-Ring				
19:2	237-42	1	O-Ring				
20	353-990	1	Plug				



Hydraulic Pump Assembly

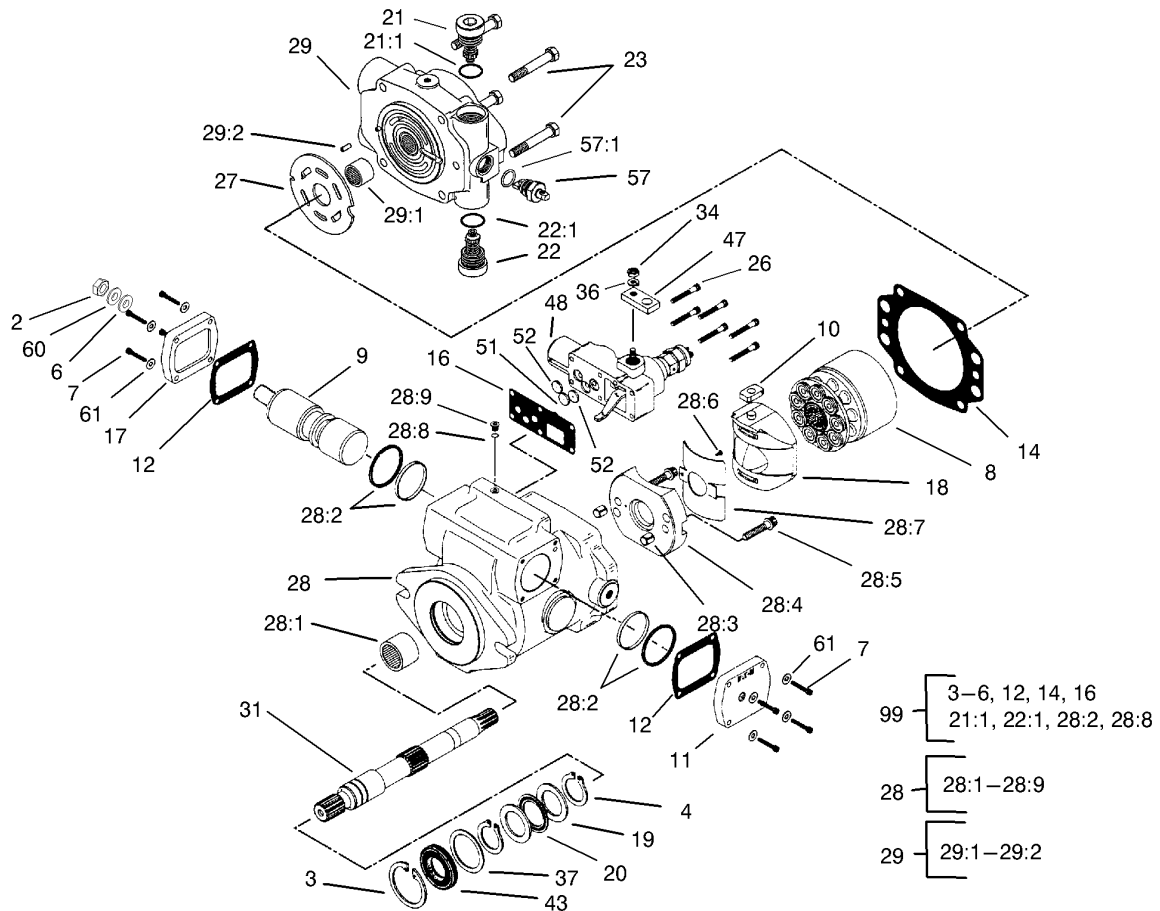
Ref	Part No.	Qty.	Description
1	87-7270	2	Washer-Thrust
2	3213-2	2	Screw-HH
3	340-16	2	Fitting-HYD, 90
3:1	237-80	1	O-Ring
3:2	237-58	1	O-Ring
4	340-166	1	Fitting-Tee, HYD
4:1	237-22	1	O-Ring
5	105-1226	1	Pump ASM
5:1	105-9845	1	Triple Pump ASM
5:2	105-9846	1	Piston Pump ASM
5:3	74-9030	1	Coupler
5:4	323-32	2	Screw-HH
5:5	60-3540	2	Washer
5:6	60-3520	2	O-Ring
5:7	99-5510	1	Spacer
6	354-77	2	Fitting-Quick
6:1	237-78	1	O-Ring
7	354-79	2	Cap-Dust
8	56-9530	1	Fitting-HYD, 90 DEG
8:1	237-117	1	O-Ring
9	2412-111	2	Clamp
10	92-7526	1	Fitting-HYD, 90 DEG
10:1	237-101	1	O-Ring
11	104-3797	2	Fitting-HYD, Straight

Ref	Part No.	Qty.	Description
11:1	237-146	1	O-Ring
11:2	340-65	1	O-Ring
12	340-109	1	Fitting-HYD, Tee
12:1	237-79	1	O-Ring
12:2	237-30	2	O-Ring
13	340-98	1	Fitting-HYD, 90 DEG
13:1	237-79	1	O-Ring
13:2	237-30	1	O-Ring
14	104-5482	1	Hose-Suction
15	104-5484	1	Hose-Suction
16	105-0122	1	Harness-Wire
17	105-3874	1	Hose ASM
18	105-3875	1	Hose ASM
19	92-7595	1	Hose ASM
20	105-3869	1	Hose ASM
22	340-141	1	Fitting-HYD, Straight
22:1	237-22	1	O-Ring
22:2	237-80	1	O-Ring



Triple Pump Assembly No. 105-9845

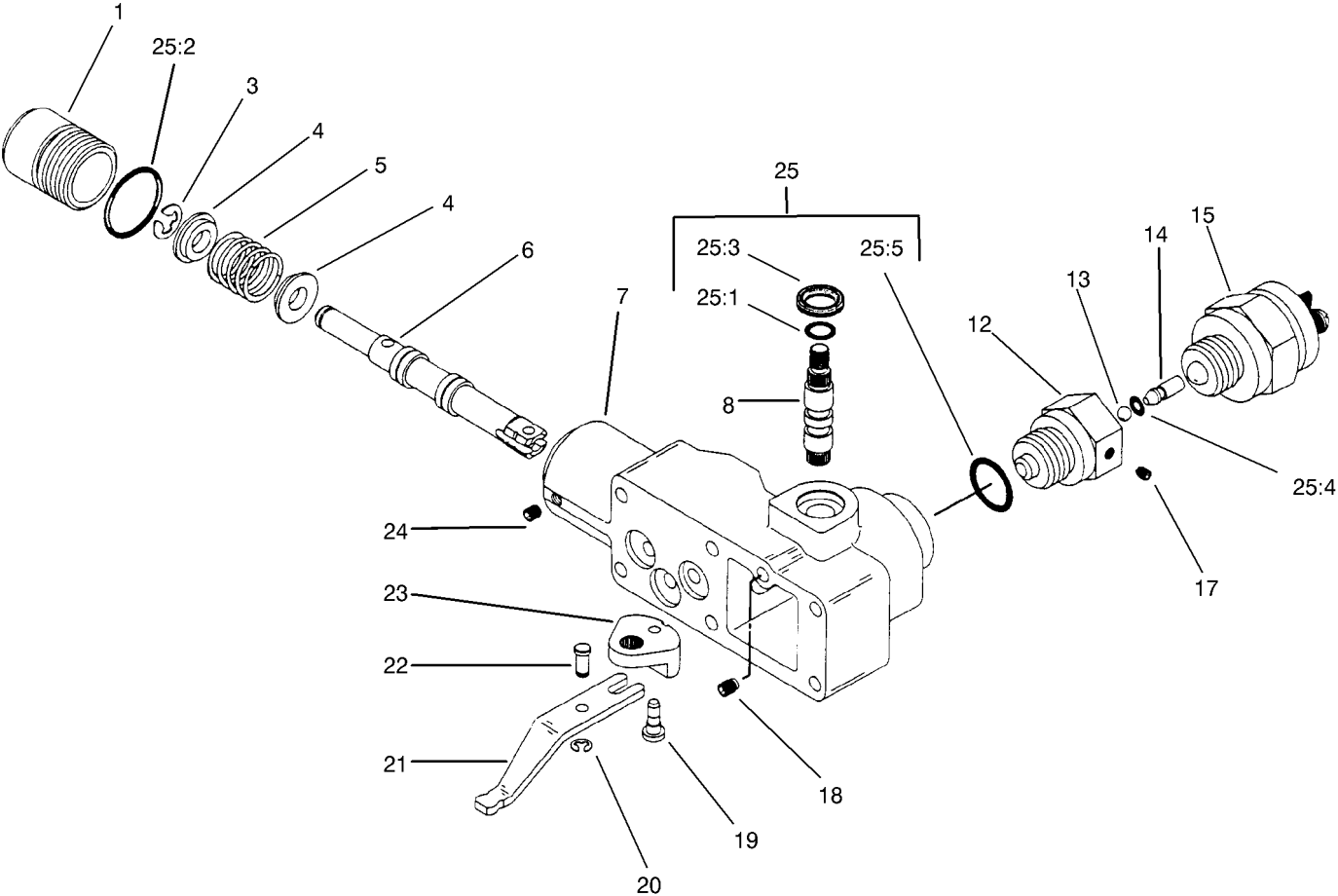
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1		1	Front Plate ASM	53:1		1	Seal-Dust
2		1	Back Plate ASM	57	94-3011	1	Plug
3		1	Body	58	105-2870	1	Valve-Proportional
4		1	Body	65		1	Plate-Thrust
5		1	Drive Gear ASM	99	105-2868	1	Seal Kit
6		1	Gear-Idler				
7		1	Gear-Idler				
8		3	Gasket-Backup				
9		3	Plate-Wear				
10		3	Seal-Pressure, Balance				
11	49-2640	1	Seal-Shaft				
12	60-5890	1	Washer				
13	105-9849	8	Capscrew				
14	105-2866	6	O-Ring				
15		1	Plate-Adaptor				
16		1	Key				
17		1	Body				
18		1	Gear-Idler				
19		1	Gear				
20		1	Key				
21		1	Plate-Adaptor				
22		1	Gear				
23	105-9850	4	Washer-Copper				
24	94-3013	1	Plug				



Piston Pump Assembly No. 105-9846

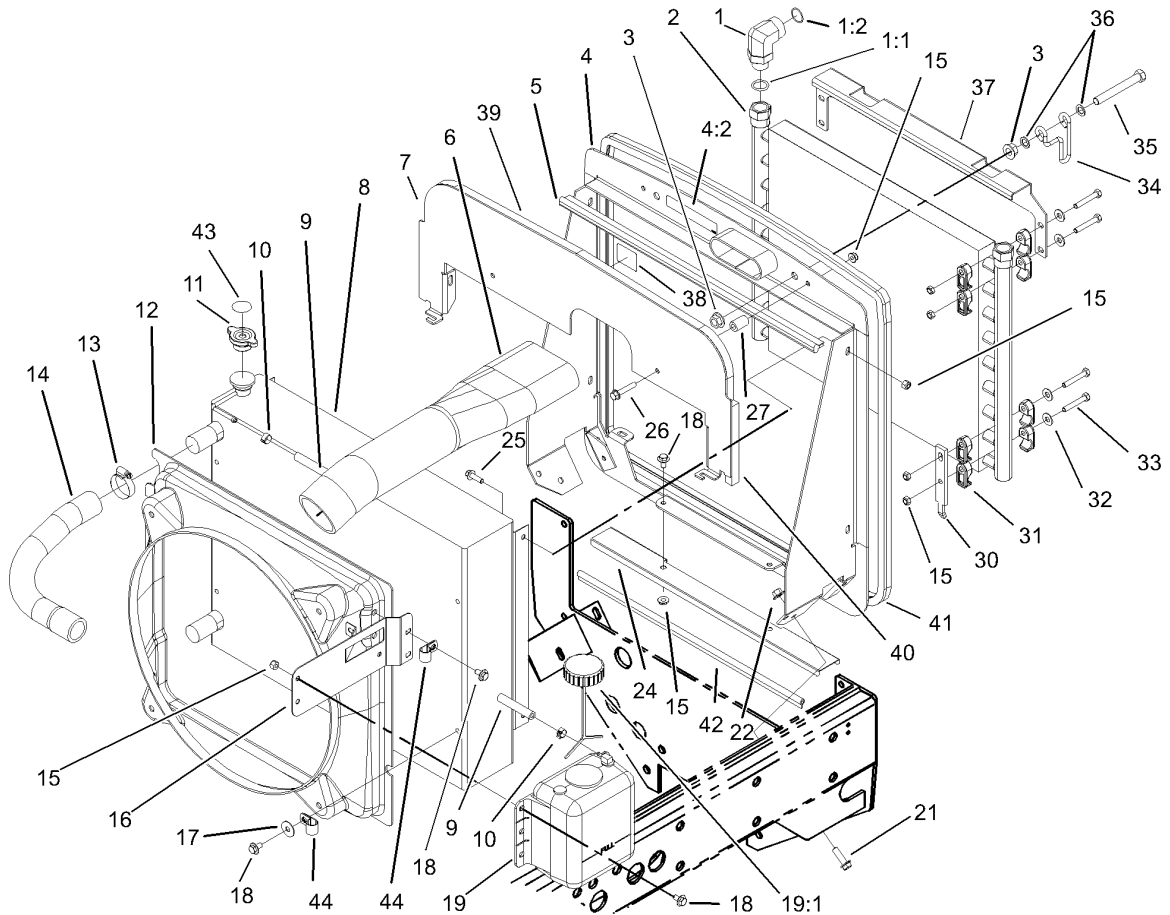
Ref	Part No.	Qty.	Description
2	3220-2	1	Nut-Jam
3	76-7010	1	Ring-Retaining
4	76-7000	2	Ring-Retaining
6	94-3027	1	Washer-Seal
7	3274-81	8	Screw-HSH
8	105-9851	1	Rotating Kit
9	105-4572	1	Servo Piston ASM
10	105-9852	1	Follower-Piston
11	105-9853	1	Plate-Cover
12		2	Gasket-Plate, Cover
14		1	Gasket-Housing
16		1	Gasket
17	94-3034	1	Plate-Cover
18	94-3026	1	Camplate ASM
19	76-6950	2	Race-Thrust
20	76-6960	1	Bearing-Thrust
21	105-2857	1	Valve-Relief
21:1		1	Seal-Dust
22	105-2857	1	Valve-Relief
22:1		1	Seal-Dust
23	323-45	4	Screw-HH
26	3274-59	6	Screw-HSH
27	105-9854	1	Plate-Valve
28	105-9855	1	Housing ASM

Ref	Part No.	Qty.	Description
29	105-9856	1	Backplate ASM
31	105-2861	1	Shaft-Drive
34	3217-5	1	Nut-Hex
36	3253-3	1	Washer-Lock
37	94-3007	1	Washer
43	105-3331	1	Seal-Shaft
47	94-3031	1	Arm-Control
48	93-6306	1	Control ASM
51	105-2909	1	Orifice-Control
52	94-3041	2	Orifice-Control
57	105-2864	1	Valve-Bypass
57:1		1	Seal-Dust
60	94-3030	1	Washer
61	3256-77	8	Washer-Flat
99	105-3349	1	Seal Kit



Control Assembly No. 93-6306

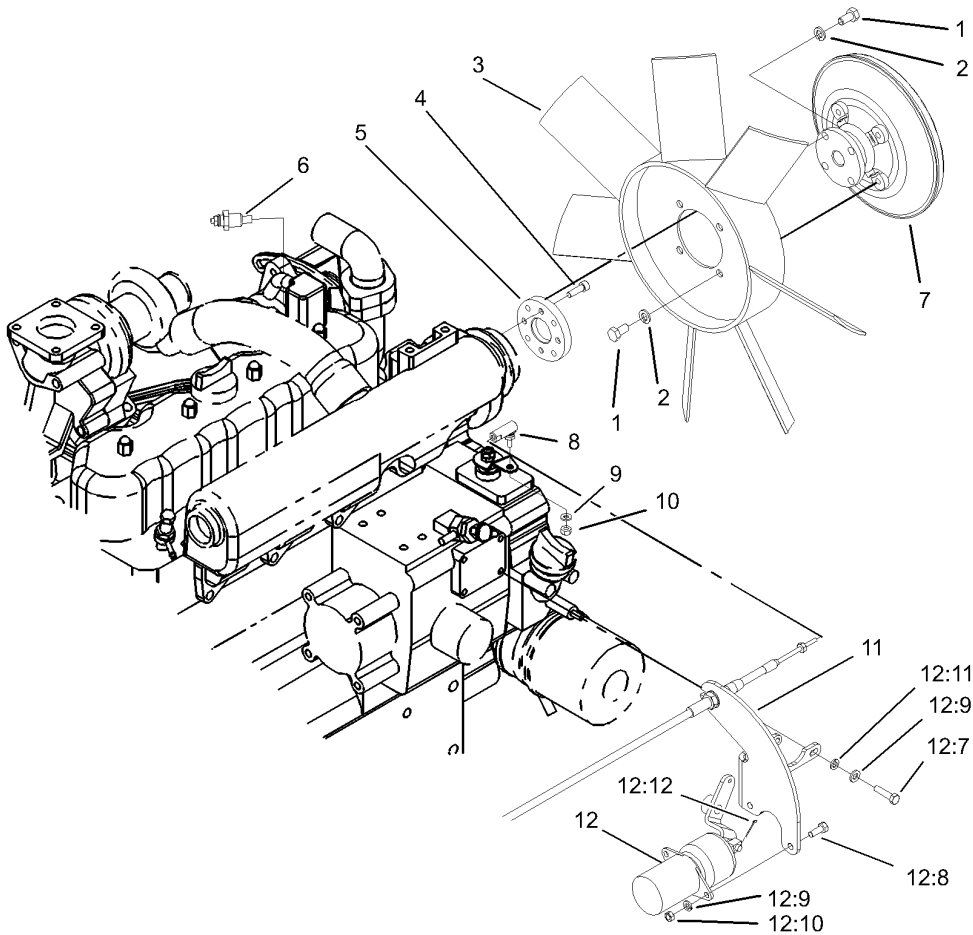
Ref	Part No.	Qty.	Description				
1	94-3043	1	Plug				
3		1	Ring-Retaining				
4		2	Retainer-Spring				
5		1	Spring				
6		1	Valve-Spool				
7		1	Housing-Control				
8		1	Shaft-Input				
12		1	Adaptor				
13		1	Ball				
14		1	Pin				
15		1	Switch-Safety, Neutral				
17		1	Screw-Set				
18		1	Screw-Set				
19		1	Pin				
20		1	Ring-Retaining				
21		1	Link				
22		1	Pin-Dowel				
23		1	Crank-Bell				
24		1	Screw-Set				
25	94-3044	1	Seal Kit				
25:1		1	Seal-Dust				
25:2		1	Seal-Dust				
25:3		1	Seal-Wiper				
25:4		1	Seal-Dust				
25:5		1	Seal-Dust				



Radiator Assembly

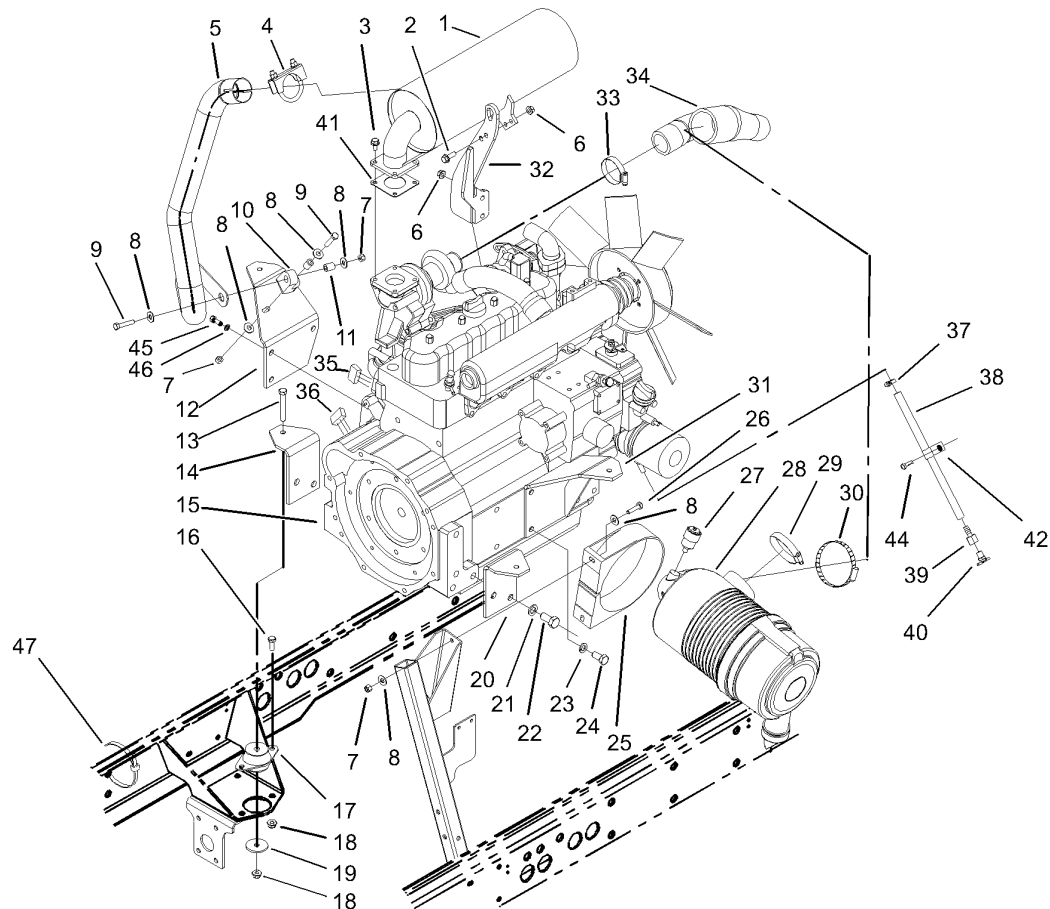
Ref	Part No.	Qty.	Description
1	104-3796	2	Fitting-HYD, 90 DEG
1:1	237-81	1	O-Ring
1:2	340-65	1	O-Ring
2	99-5495	1	Cooler-Oil
3	32128-49	4	Nut-HHF
4	105-3994	1	Bracket-Radiator
4:2	93-7272	1	Decal-Warning
5	104-2223	1	Seal-Bulb
6	100-5550	1	Hose-Cleaner, Air
7	105-3934-03	1	Bracket-Seal, Hood
8	99-5426	1	Radiator
9	71-3370	2	Hose
10	92-2379	3	Clamp-Hose
11	93-5957	1	Cap-Radiator
12	99-5428	1	Shroud-Radiator
13	2412-111	4	Clamp
14	100-5547	2	Hose-Radiator
15	104-8300	19	Nut-Flange, NI
16	100-5505-03	1	Bracket-Tank
17	99-2900	4	Washer-Flat
18	3234-7	11	Screw-HHF
19	104-2276	1	Reservoir-Coolant
19:1	87-7050	1	Cap-Reservoir
21	3234-11	4	Screw-HHF

Ref	Part No.	Qty.	Description
22	32128-43	4	Nut-Flange
24	104-5426-03	1	Cover-Bottom
25	3234-17	4	Screw-HHF
26	94-5780	2	Screw-HWH
27	93-6981	2	Spacer
30	104-5460-03	2	Plate-Mount, Oil Cooler
31	105-3943	16	Clamp-Cooler, Oil
32	3256-23	14	Washer-Flat
33	322-10	8	Screw-HH
34	104-5429	2	Clamp-Form, Wire
35	325-17	2	Screw-HH
36	41-8440	4	Washer
37	104-5428	1	Bracket-Oil Cooler, Top
38	93-7275	1	Decal-Fluid, Starting
39	105-9233	1	Seal-Foam
40	105-9236	2	Seal-Foam
41	105-9814	1	Seal-Bulb
42	105-9858	1	Seal-Bulb
43	106-6755	1	Decal-Cap, Radiator
44	2412-81	2	Clamp-R



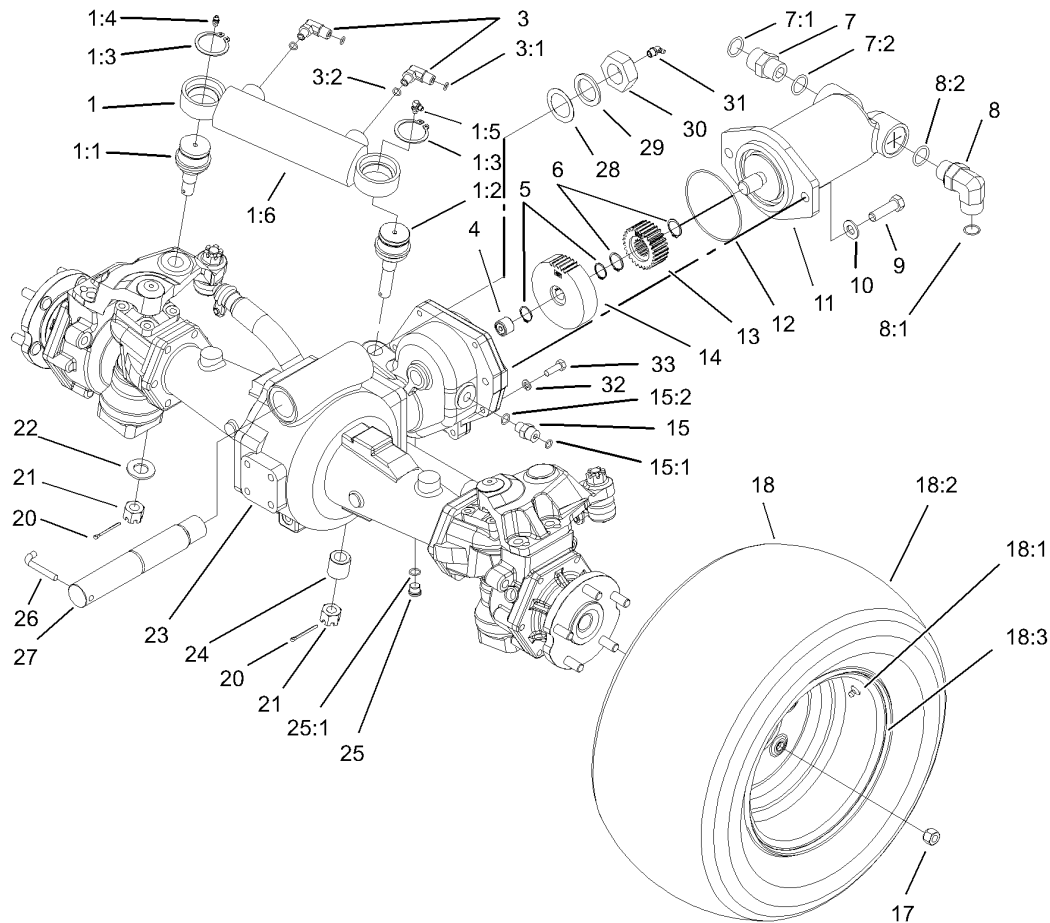
Fan and Solenoid Assembly

Ref	Part No.	Qty.	Description				
1	322-2	8	Screw-HH				
2	3253-4	8	Washer-Lock				
3	105-0750	1	Fan				
4	52-6290	4	Screw-HSH				
5	100-3066	1	Adapter-Fan				
6	98-9346	1	Sender-Temperature				
7	104-2212	1	Clutch-Fan				
8	2411-38	1	Joint-Ball				
9	3256-51	1	Washer-Flat				
10	3296-21	1	Nut-Lock, NI				
11	104-7540-03	1	Support-Cable				
12	98-3817	1	Solenoid Kit				
12:7	33113-025	3	Screw-HH				
12:8	33113-016	2	Screw-HH				
12:9	48-8020	5	Washer-Spring				
12:10	33013-00	2	Nut-Hex				
12:11	33093-00	3	Washer-Flat				
12:12	3272-2	1	Pin-Cotter				



Engine Installation Assembly

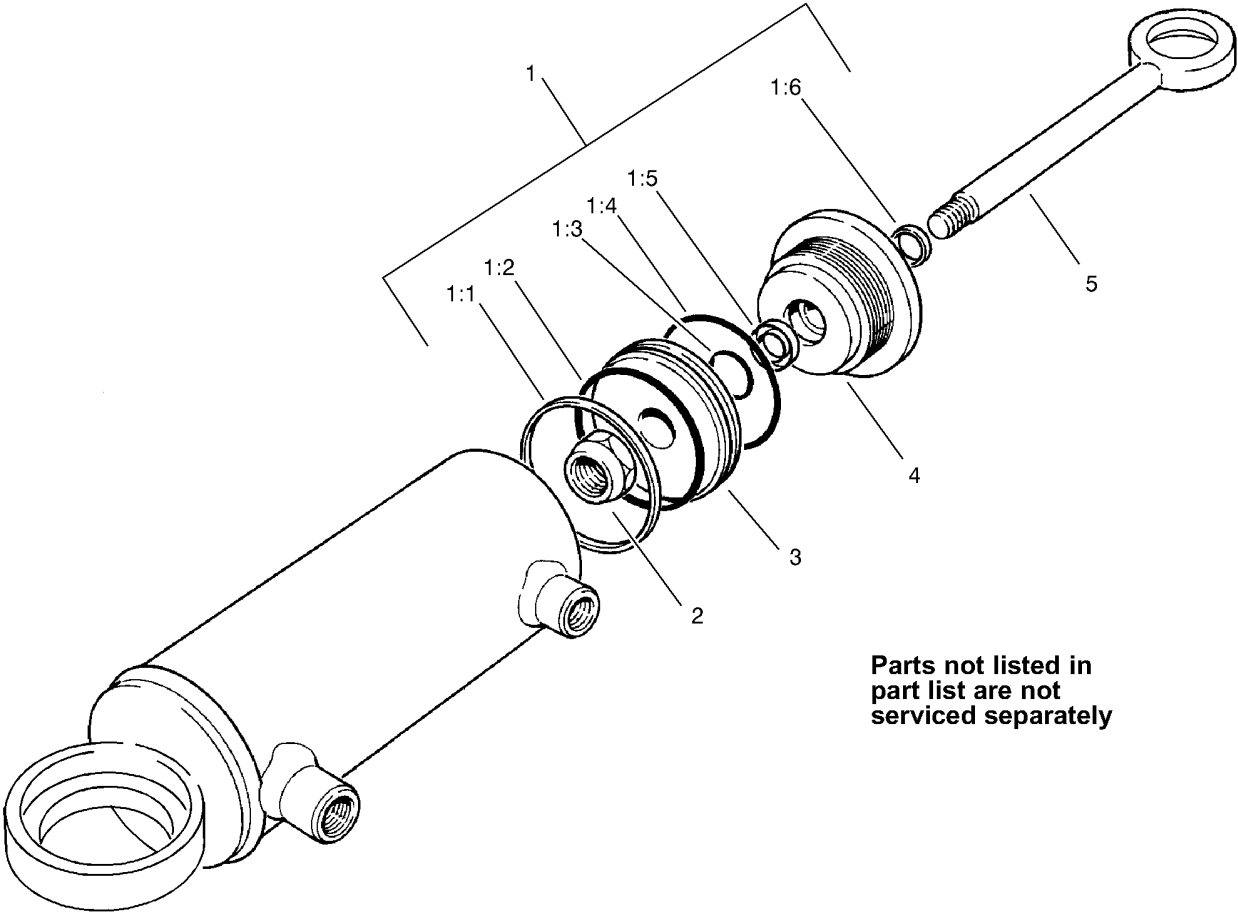
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	99-5424	1	Muffler-Turbo	25	99-5414	1	Strap-Cleaner, Air
2	33104-025	2	Screw-HHF	26	322-6	2	Screw-HH
3	33104-016	4	Screw-HHF	27	104-3563	1	Indicator
4	18-2130	1	Clamp	27:1	94-1416	1	Indicator Adapter ASM
5	104-5461	1	Pipe-Exhaust	28	99-5410	1	Cleaner-Air
6	33004-00	4	Nut-HF	29	2412-125	1	Clamp-Hose
7	3296-29	4	Nut-Lock, NI	30	2412-110	1	Clamp-Hose
8	3256-3	8	Washer-Flat	31	100-3144-03	1	LH Mount ASM
9	322-8	4	Screw-HH	32	99-5421-03	1	Bracket-Mounting
10	95-5622	1	Hanger-Rubber	33	2412-92	1	Clamp-Hose
11	93-5023	2	Spacer	34	99-5415	1	Hose-Cleaner, Air
12	100-3141-03	1	RH Mount ASM	35	99-3441	1	Harness-Wire, Fusible Link
13	323-13	4	Screw-HH	36	105-9869	1	Harness-Wire, Engine
14	100-3148-03	1	Mount-Engine, RH	37	2412-108	2	Clamp-Worm
15	99-5413	1	Engine-Turbo, Kubota	38	99-7376	1	Hose-Breather
16	3234-11	8	Screw-HHF	39	354-94	1	Fitting-Female, Barbed
17	53-9682	4	Support-Engine, Rubber	40	93-5528	1	Fitting-Cock, Drain
18	104-8301	12	Nut-Flange, NI	41	100-9333	1	Gasket-Muffler
19	63-7400	4	Washer-Rebound	42	2412-150	1	J-Clip
20	100-3147-03	1	Mount-Engine, LH	44	32144-14	1	Screw-HWH
21	43-5950	4	Washer-Lock, Spring	45	43-0090	1	Screw-HH
22	43-3210	4	Screw-HH	46	48-9590	1	Washer-Lock
23	48-8070	5	Washer-Lock	47	3290-378	1	Tie-Cable
24	42-9250	5	Bolt				



Rear Axle Assembly

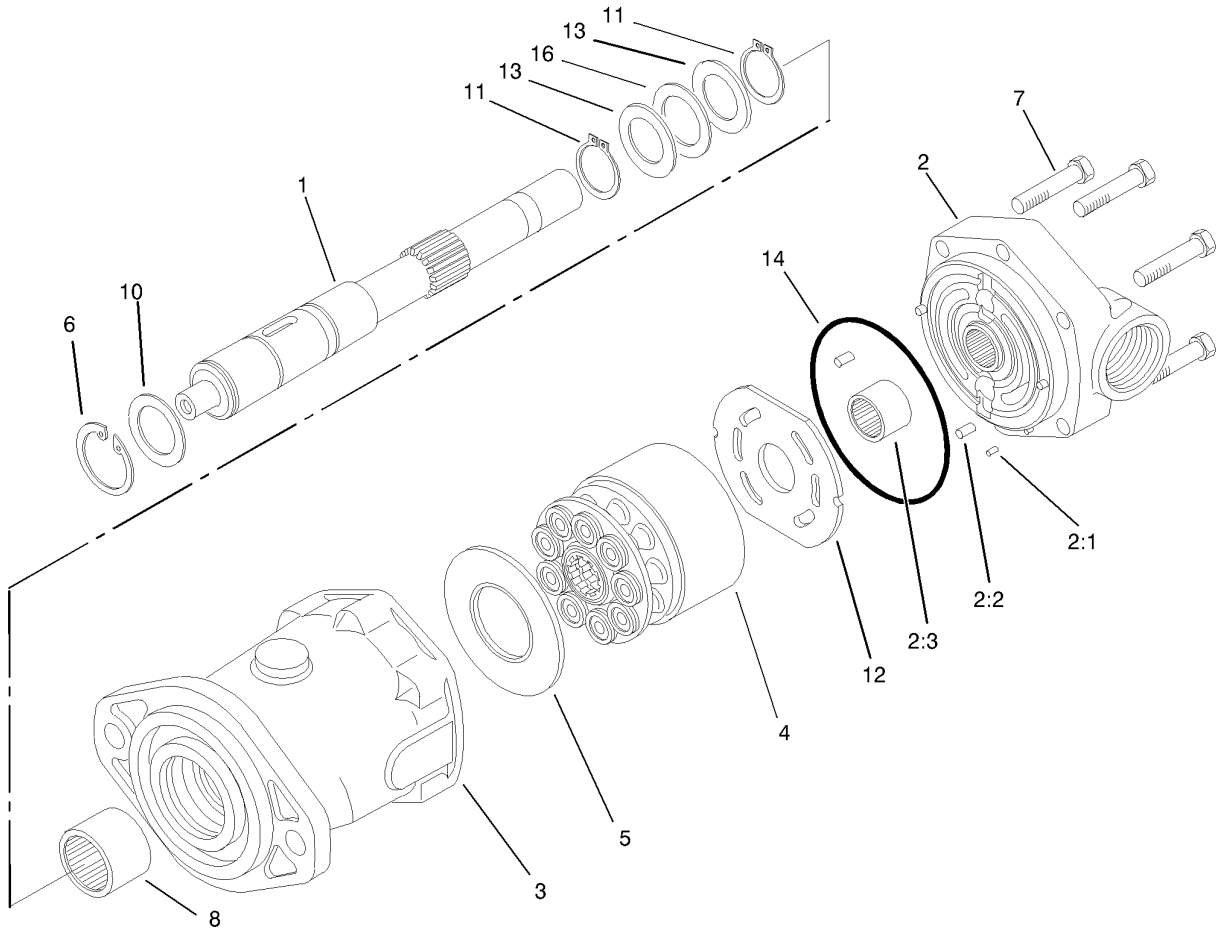
Ref	Part No.	Qty.	Description
1	105-9861	1	Steering Cylinder ASM
1:1	92-5838	1	Joint-Ball
1:2	100-3795	1	Joint-Ball
1:3	32151-104	2	Ring-Retaining, External
1:4	302-5	1	Fitting-Grease
1:5	302-60	1	Fitting-Grease, 90 DEG
1:6	340-97	1	HYD Cylinder ASM
3	340-97	2	Fitting-HYD, 90 DEG
3:1	237-22	1	O-Ring
3:2	237-78	1	O-Ring
4	74-5700	1	Bearing-Needle, Roller
5	32120-15	2	Ring-Snap, EXT
6	32120-76	2	Ring-Snap, EXT
7	340-9	1	Fitting-HYD, Straight
7:1	237-58	1	O-Ring
7:2	237-81	1	O-Ring
8	340-142	1	Fitting-HYD, 90 DEG
8:1	237-58	1	O-Ring
8:2	237-81	1	O-Ring
9	325-7	2	Screw-HH
10	3256-26	2	Washer-Flat
11	105-1219	1	Motor-Piston
12	237-166	1	O-Ring
13	104-5663	1	Pinion-28T

Ref	Part No.	Qty.	Description
14	104-5664	1	Gear-44T
15	340-2	1	Fitting-Straight, HYD
15:1	237-22	1	O-Ring
15:2	237-42	1	O-Ring
17	93-5268	10	Nut-Lug
18	232-27	2	Tire And Wheel ASM
18:1	232-27	1	Stem-Valve
18:2	104-0451	1	Tire
18:3	105-9219	1	Wheel
20	3272-12	2	Pin-Cotter
21	32136-14	2	Nut-SHH
22	92-5836	1	Washer
23	100-3784	1	Drive Axle ASM
24	100-3796	1	Spacer-Joint, Ball
25	353-989	1	Plug-Hex, Hollow
25:1	237-42	1	O-Ring
26	100-3771	1	Pin-Stop
27	100-3770	1	Pin-Axle, Pivot
28	92-1765	1	Washer-Thrust
29	98-3867	2	Washer-Thrust
30	3296-68	1	Nut-Lock, NI
31	302-33	1	Fitting-Grease
32	3253-4	6	Washer-Lock
33	33114-025	6	Screw-HH



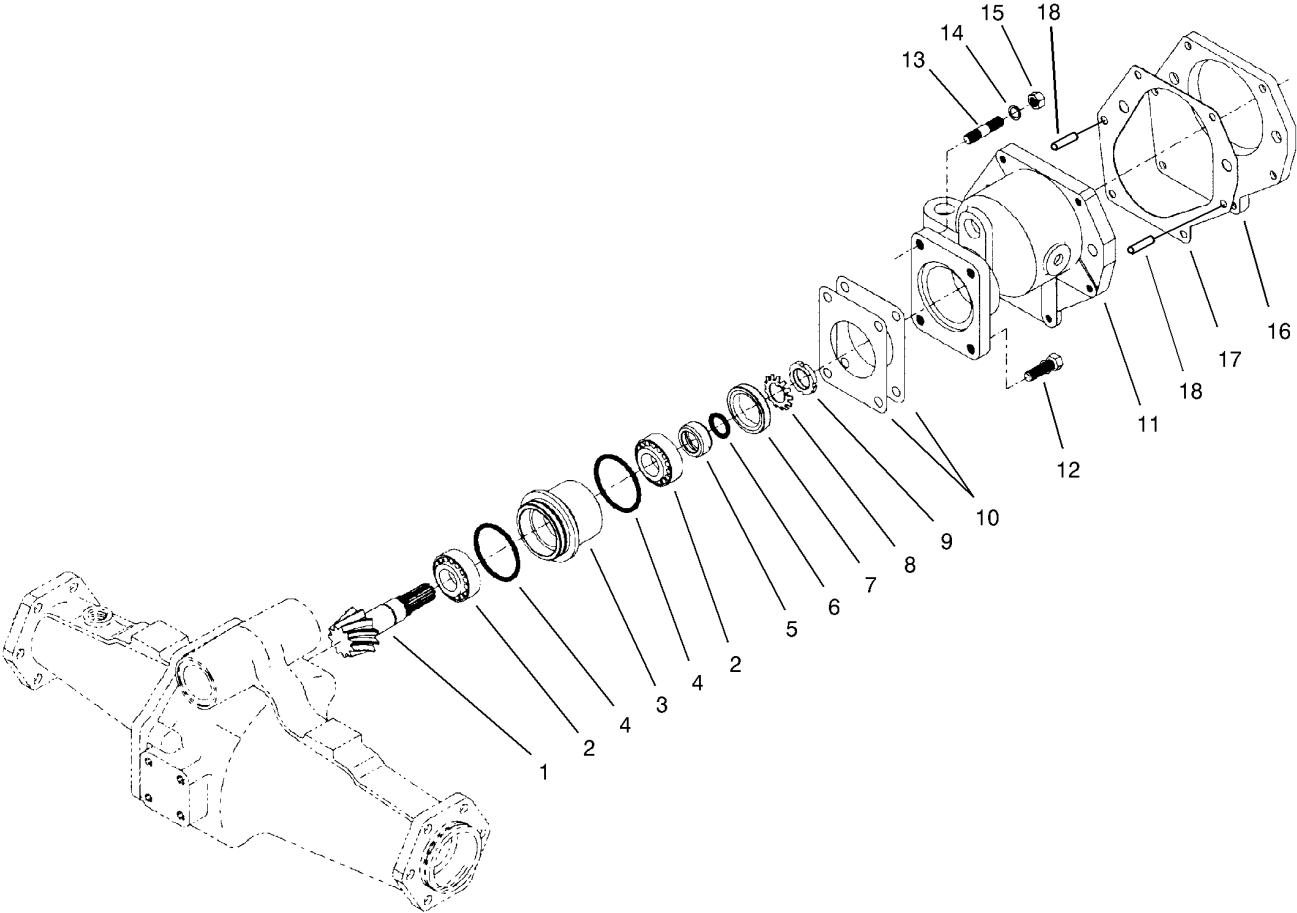
Cylinder Assembly No. 105-9861

Ref	Part No.	Qty.	Description				
1	92-6593	1	Seal Kit				
1:1		1	Seal ASM				
1:2		1	Seal-Dust				
1:3		1	Seal-Dust				
1:4		1	Seal-Dust				
1:5		1	U-Cup				
1:6		1	Wiper				
2		1	Locknut				
3		1	Piston				
4		1	Gland				
5		1	Rod ASM				



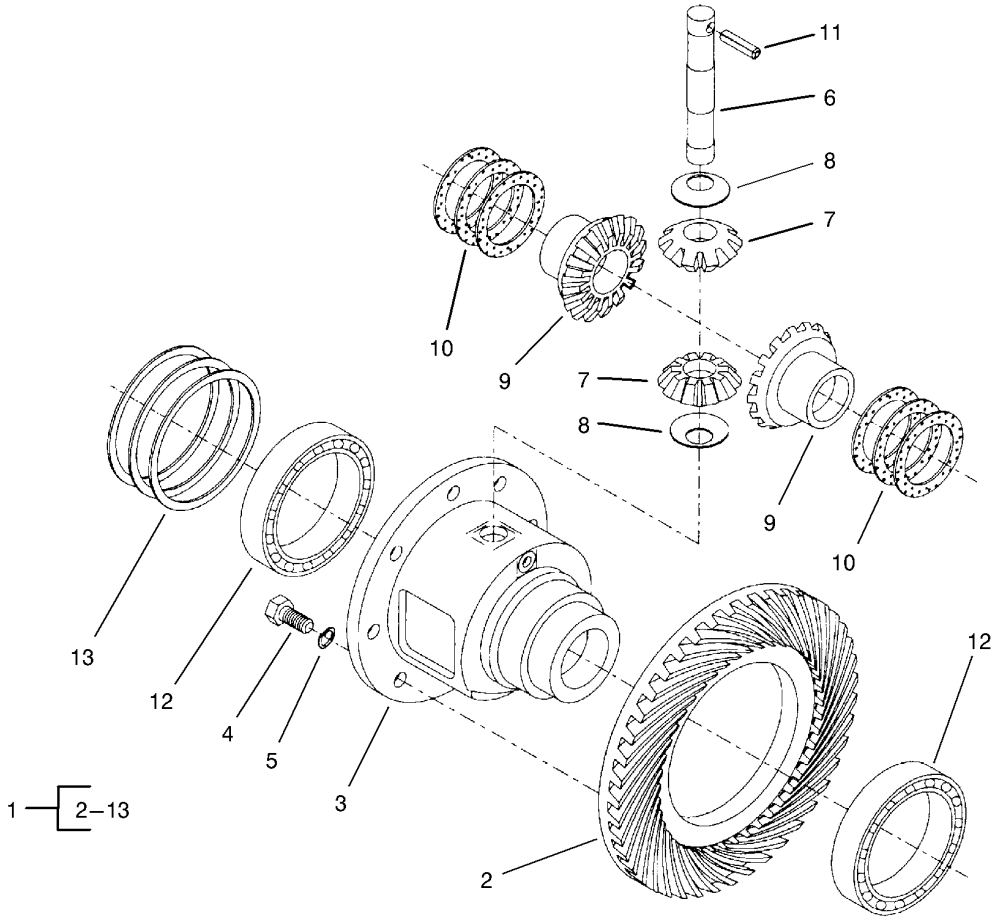
Piston Motor Assembly No. 105-1219

Ref	Part No.	Qty.	Description				
1	105-2853	1	Shaft-Drive				
2	100-2551	1	Backplate				
2:1		3	Pin-Dowel				
2:2		1	Pin-Dowel				
2:3		1	Bearing-Needle				
23		1	Housing				
4	76-6910	1	Rotating Kit				
5	76-6970	1	Insert-Plate, Cam				
6	60-6260	1	Ring				
7	94-3002	6	Capscrew				
8	63-4390	1	Bearing-Needle				
10	76-7020	1	Spacer				
11	76-7000	2	Ring-Retaining				
12	94-3003	1	Plate-Valve				
13	60-6160	2	Race				
14	76-6980	1	O-Ring				
16	60-6170	1	Bearing-Thrust				



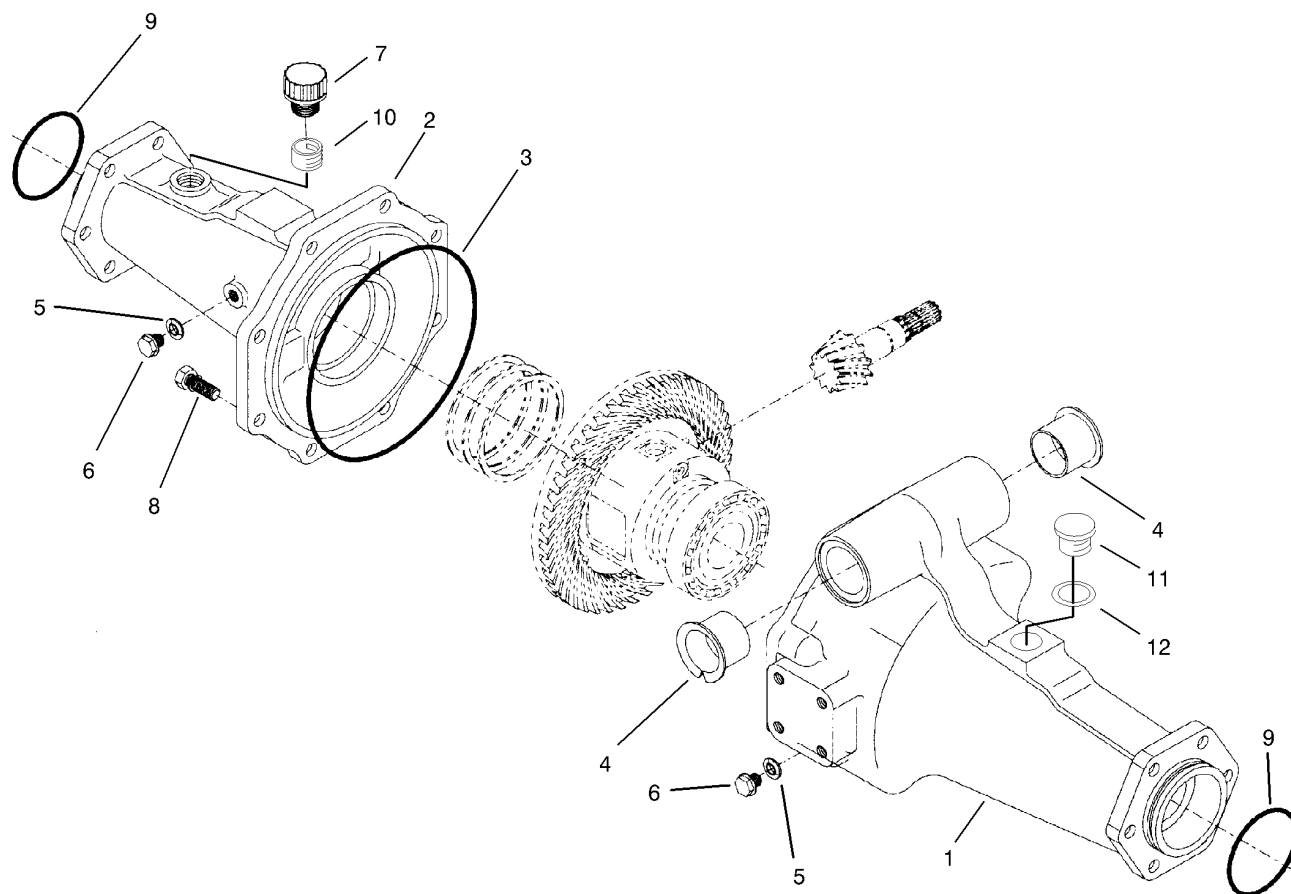
Bevel Pinion Shaft Assembly
Rear Axle Assembly No. 100-3784

Ref	Part No.	Qty.	Description				
1	100-2555	1	Ring And Pinion Matched Set				
2	99-7570	2	Bearing-Roller, Taper				
3	95-7534	1	Case-Bearing				
4	99-7571	2	O-Ring				
5	99-7572	1	Collar-Seal, Oil				
6	99-7573	1	O-Ring				
7	99-7574	1	Seal-Oil				
8	99-7559	1	Washer-Lock				
9	99-7560	1	Nut-Lock				
10	99-7550	2	Shim 0.1				
10	99-7551	2	Shim 0.2				
11	95-7533	1	Case-Gear				
12	99-7575	2	Bolt				
13	100-2556	2	Stud				
14	99-7527	2	Washer-Spring				
15	99-7526	2	Nut				
16	95-7541	1	Plate-Cover				
17	95-7540	1	Gasket				
18	104-2353	2	Pin-Dowel				



Differential Assembly
Rear Axle Assembly No. 100-3784

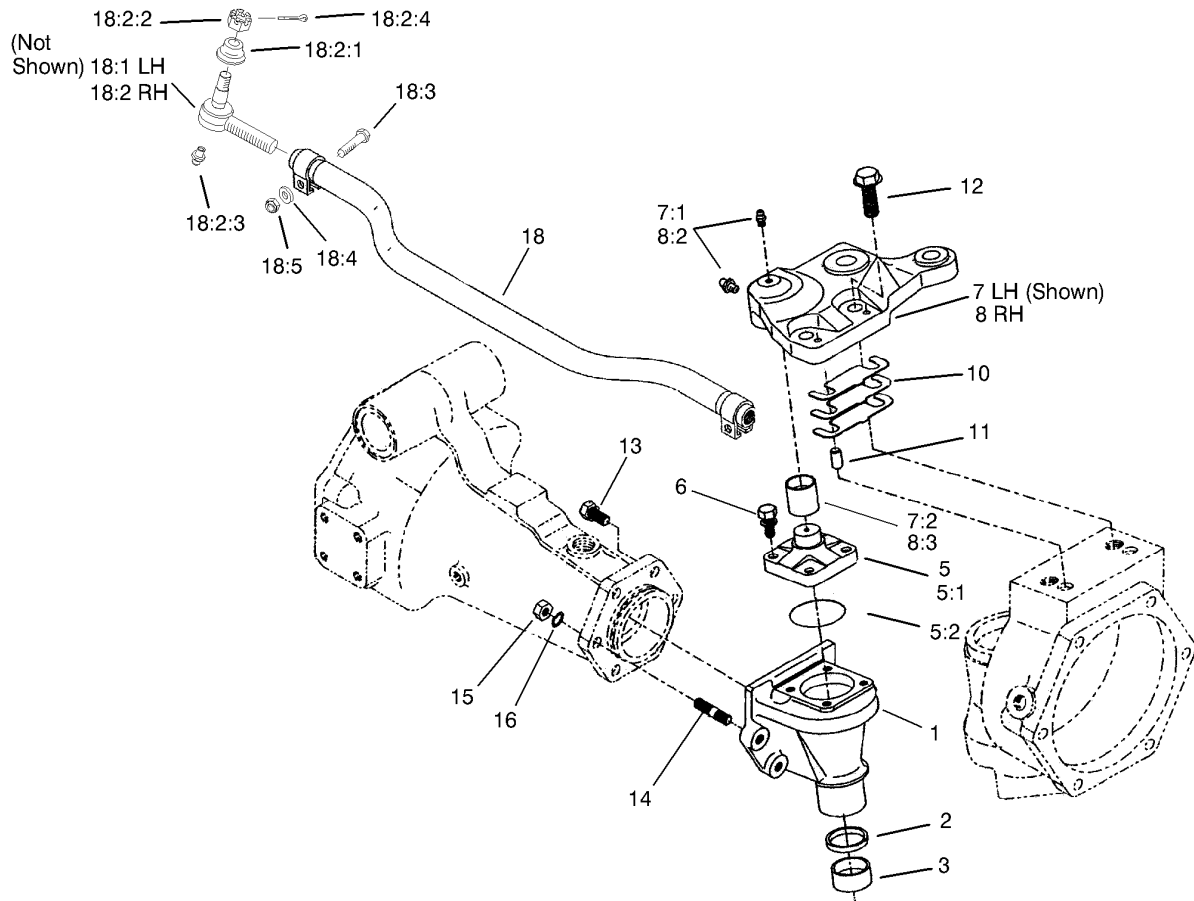
Ref	Part No.	Qty.	Description				
1	95-7503	1	Differential ASM				
2	100-2555	1	Ring And Pinion Matched Set				
3	95-7502	1	Case-Differential				
4	99-7576	8	Bolt				
5	99-7577	8	Washer-Spring				
6	99-7578	1	Shaft-Differential				
7	99-7579	2	Pinion-Differential				
8	99-7580	2	Washer-Differential				
9	99-7581	2	Gear-Differential				
10	99-7582	2	Washer-Differential				
10	99-7583	2	Washer-Differential				
10	99-7584	2	Washer-Differential				
11	99-7588	1	Pin-Spring				
12	99-7562	2	Bearing-Ball				
13	99-7585	2	Shim 0.1				
13	99-7586	2	Shim 0.2				
13	99-7587	2	Shim 0.4				



Axle Support Assembly

Rear Axle Assembly No. 100-3784

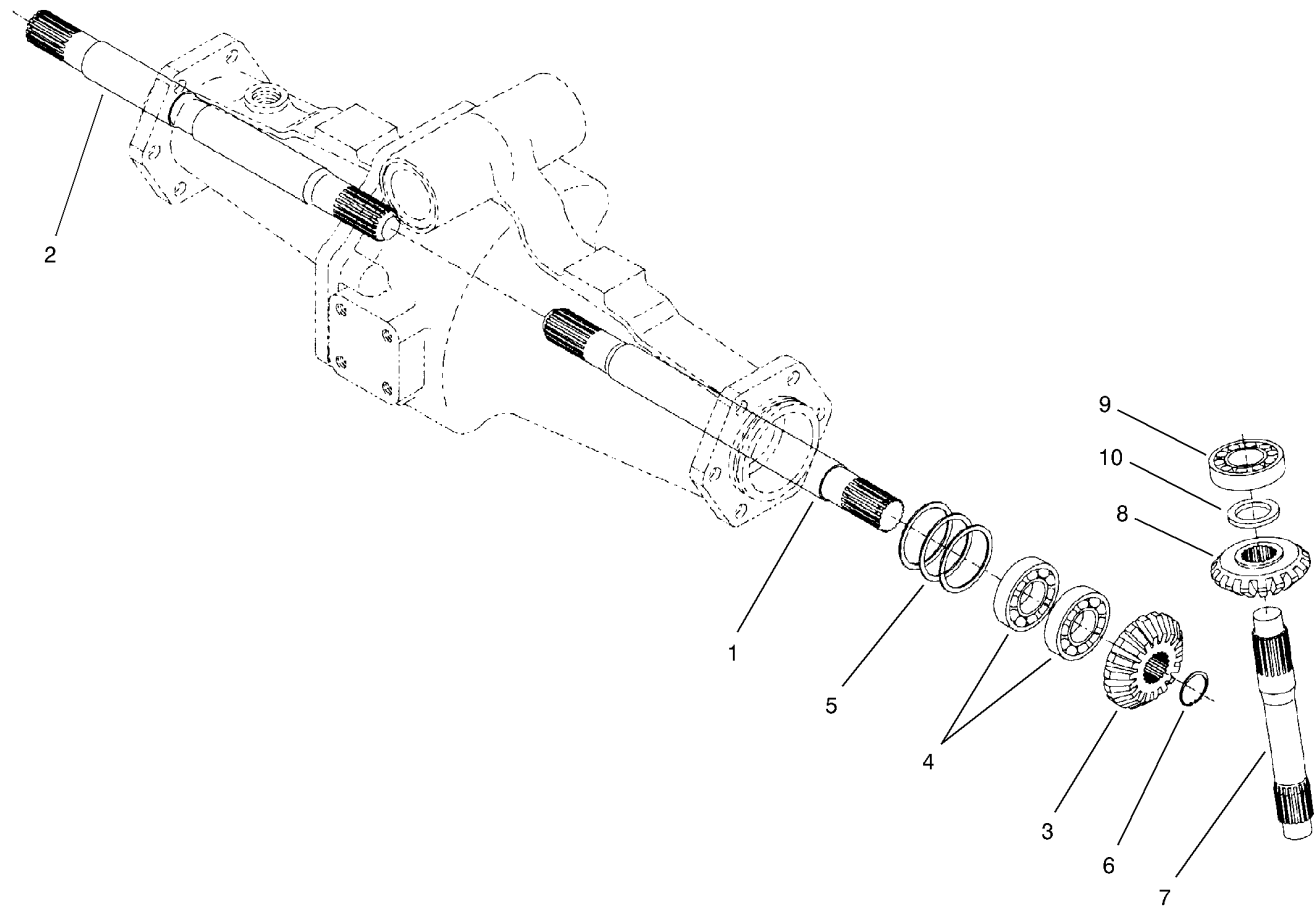
Ref	Part No.	Qty.	Description
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	95-7507	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7590	2	Washer-Seal
6	99-7589	2	Plug
7	99-7591	1	Oil Plug ASM
8	99-7592	8	Bolt
9	99-7593	2	O-Ring
10	104-2377	1	Extension-Vent
11	104-8643	1	Plug
12	104-8644	1	O-Ring



Bevel Gear Case Assembly Rear Axle Assembly No. 100-3784

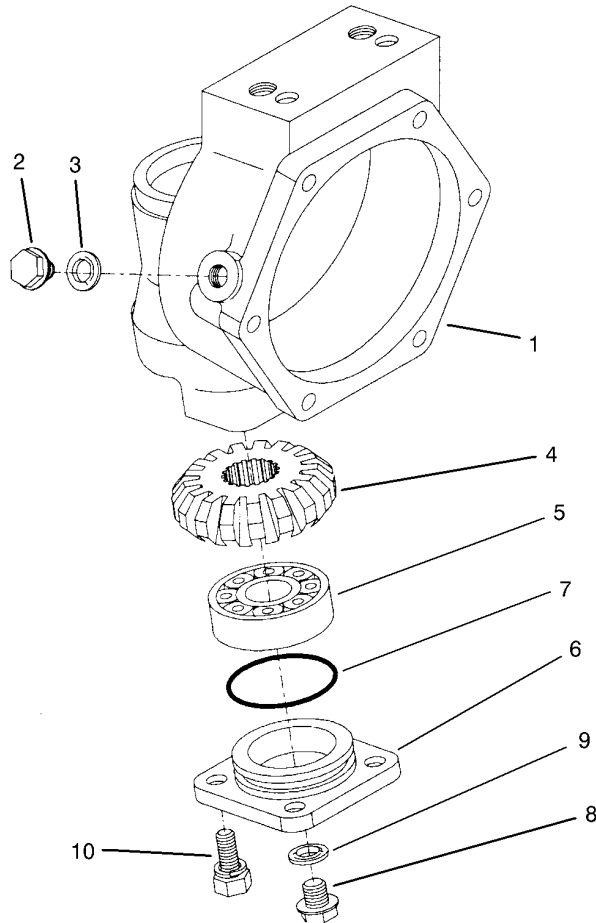
Ref	Part No.	Qty.	Description
1	95-7538	2	Case-Gear, Bevel
2	100-2557	2	Seal-Oil
3	104-2378	2	Bushing
5	104-2376	2	Knuckle ASM
5:1	104-2373	1	Knuckle
5:2	104-2372	1	O-Ring
6	104-2374	8	Bolt
7	100-3768	1	LH Steering Arm ASM
7:1	302-5	2	Fitting-Grease
7:2	104-8634	1	Bushing
8	100-3766	1	RH Steering Arm ASM
8:2	302-5	2	Fitting-Grease
8:3	104-8634	1	Bushing
10	95-7547	2	Shim 0.1
10	95-7548	2	Shim 0.2
10	95-7549	2	Shim 0.4
11	99-7597	4	Pin-Dowel
12	104-2375	4	Bolt
13	99-7599	8	Bolt
14	99-7525	4	Stud
15	99-7526	4	Nut
16	99-7527	4	Washer-Spring
18	100-3762	1	Tie Rod ASM
18:1	100-3851	1	LH Tie Rod End ASM

Ref	Part No.	Qty.	Description
18:1:1	100-3853	1	Cover-Dust
18:1:2	100-3854	1	Nut-Castle
18:1:3	302-5	1	Fitting-Grease
18:1:4	3272-11	1	Pin-Cotter
18:2	100-3852	1	RH Tie Rod End ASM
18:2:1	100-3853	1	Cover-Dust
18:2:2	100-3854	1	Nut-Castle
18:2:3	302-5	1	Fitting-Grease
18:2:4	3272-11	1	Pin-Cotter
18:3	100-3855	2	Bolt
18:4	99-7527	2	Washer-Spring
18:5	99-7526	2	Nut



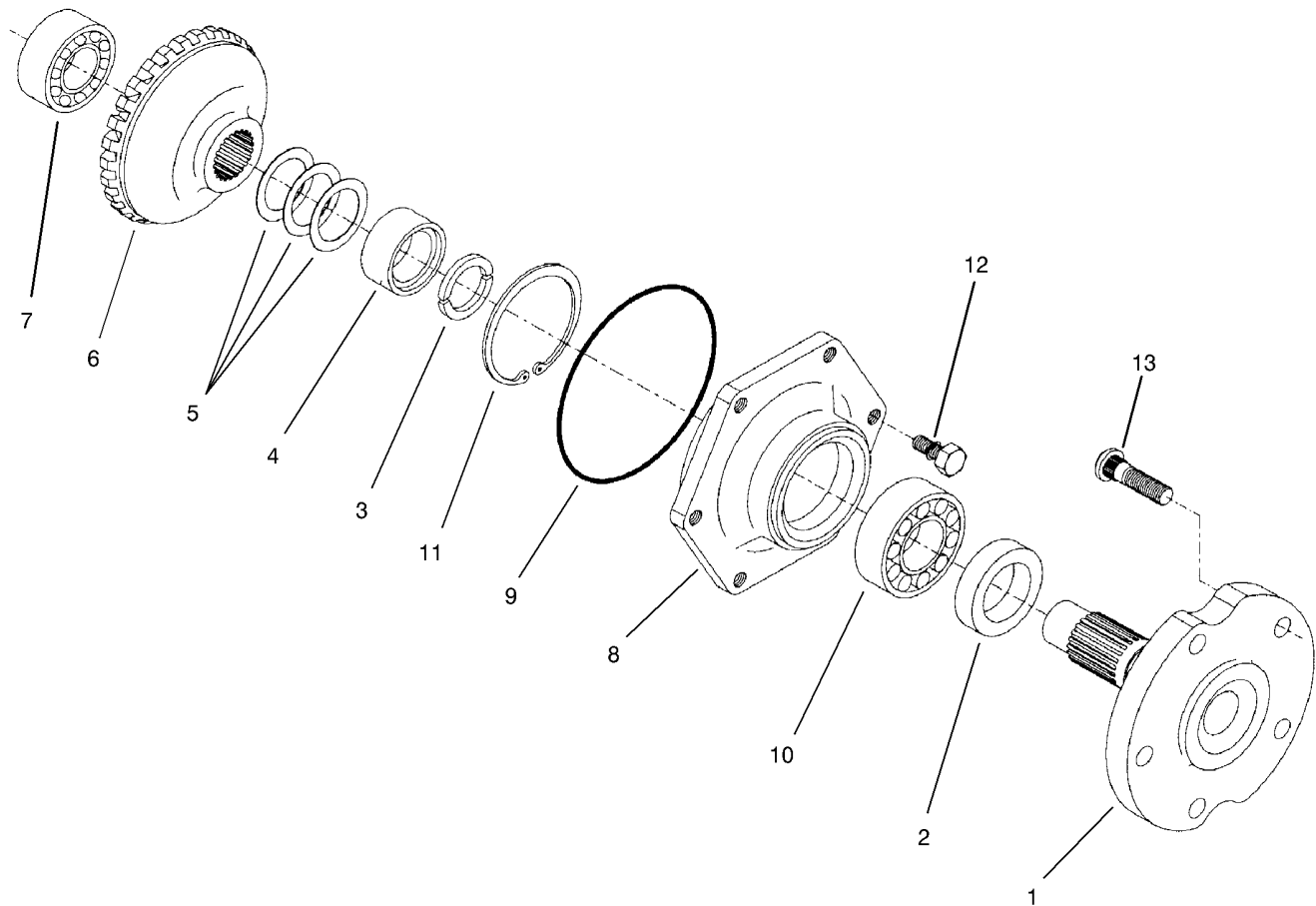
Bevel Gear Shaft Assembly
Rear Axle Assembly No. 100-3784

Ref	Part No.	Qty.	Description				
1	95-7509	1	Shaft-Gear, Differential				
2	95-7512	1	Shaft-Gear, Differential				
3	95-7517	2	Gear-Bevel, 15 Tooth				
4	99-7530	4	Bearing-Ball				
5	99-7552	2	Shim 0.1				
5	99-7553	2	Shim 0.2				
5	99-7554	2	Shim 0.5				
6	99-7531	2	Clip				
7	95-7529	2	Shaft-Gear, Bevel				
8	95-7519	2	Gear-Bevel, 17 Tooth				
9	99-7532	2	Bearing-Roller, Taper				
10	99-7558	2	Collar				



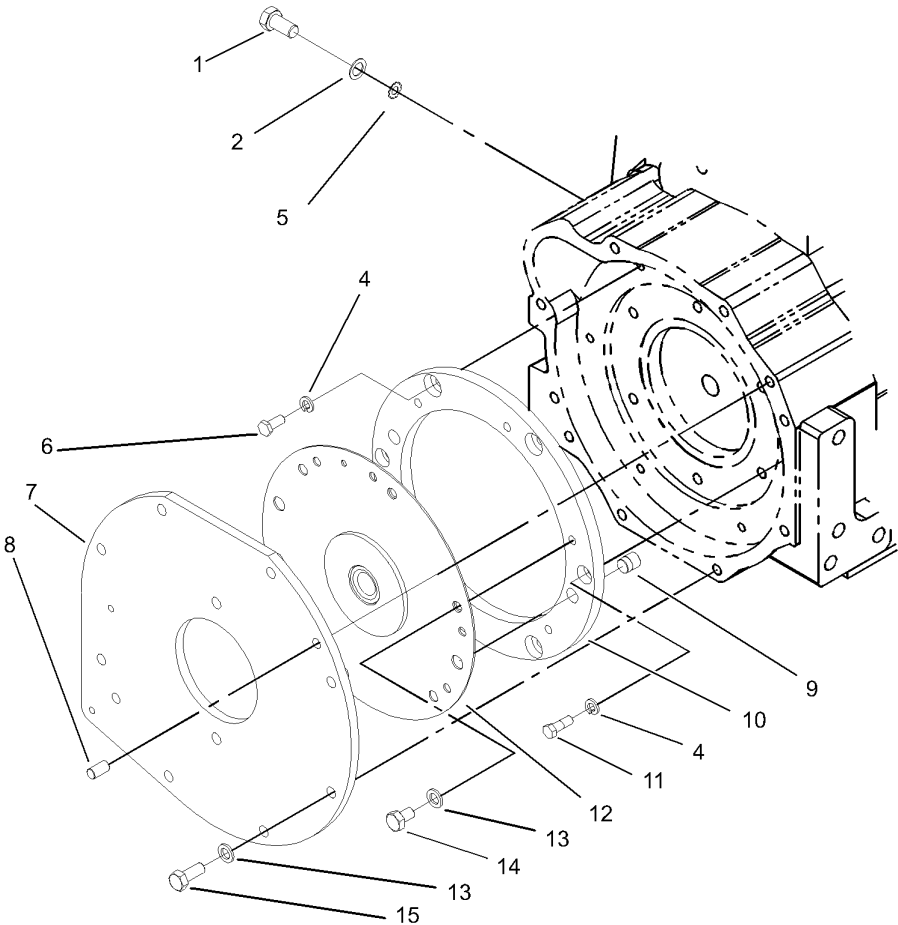
Axle Case Assembly
Rear Axle Assembly No. 100-3784

Ref	Part No.	Qty.	Description				
1	95-7531	2	Case-Axle				
2	99-7535	2	Plug				
3	99-7536	2	Washer-Seal				
4	95-7527	2	Gear-Bevel, 17 Tooth				
5	99-7532	2	Bearing-Roller, Taper				
6	100-2560	2	Cover				
7	100-2561	2	O-Ring				
8	99-7589	2	Plug				
9	99-7590	2	Washer-Seal				
10	100-2562	8	Bolt				



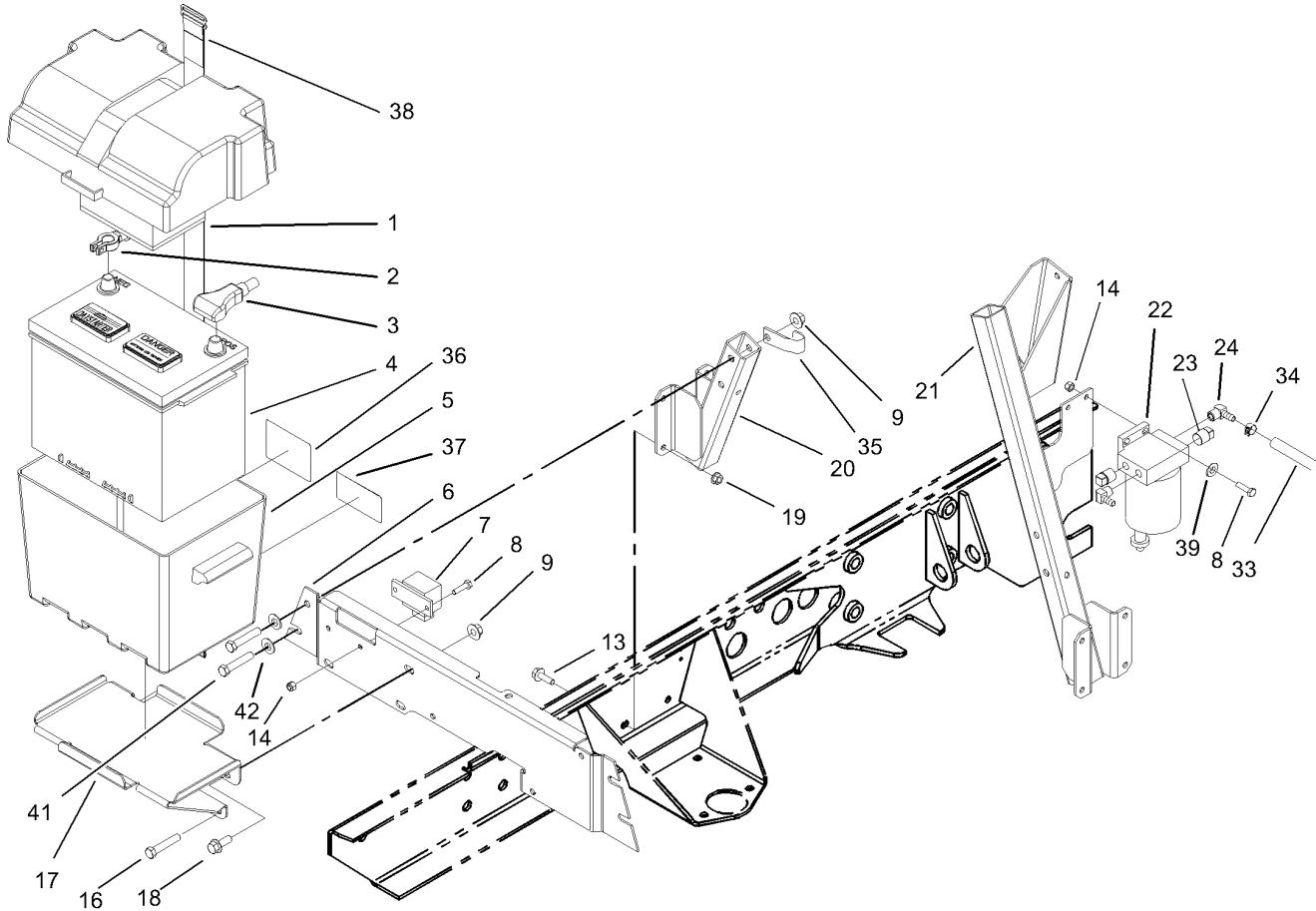
Axle Assembly
Rear Axle Assembly No. 100-3784

Ref	Part No.	Qty.	Description				
1	95-7522	2	Axle				
2	99-7564	2	Seal-Oil				
3	95-7544	4	Clip				
4	95-7523	2	Spacer				
5	99-7555	2	Shim 0.3				
5	99-7556	2	Shim 0.2				
5	99-7557	2	Shim 0.5				
6	95-7524	2	Gear-Bevel, 29 Tooth				
7	99-7534	2	Bearing-Ball				
8	95-7521	2	Cover-Axle				
9	99-7538	2	O-Ring				
10	99-7561	2	Bearing-Ball				
11	99-7539	2	Clip				
12	99-7596	12	Bolt				
13	99-7563	10	Stud				



Coupler Spacer and Adapter Plate Assembly

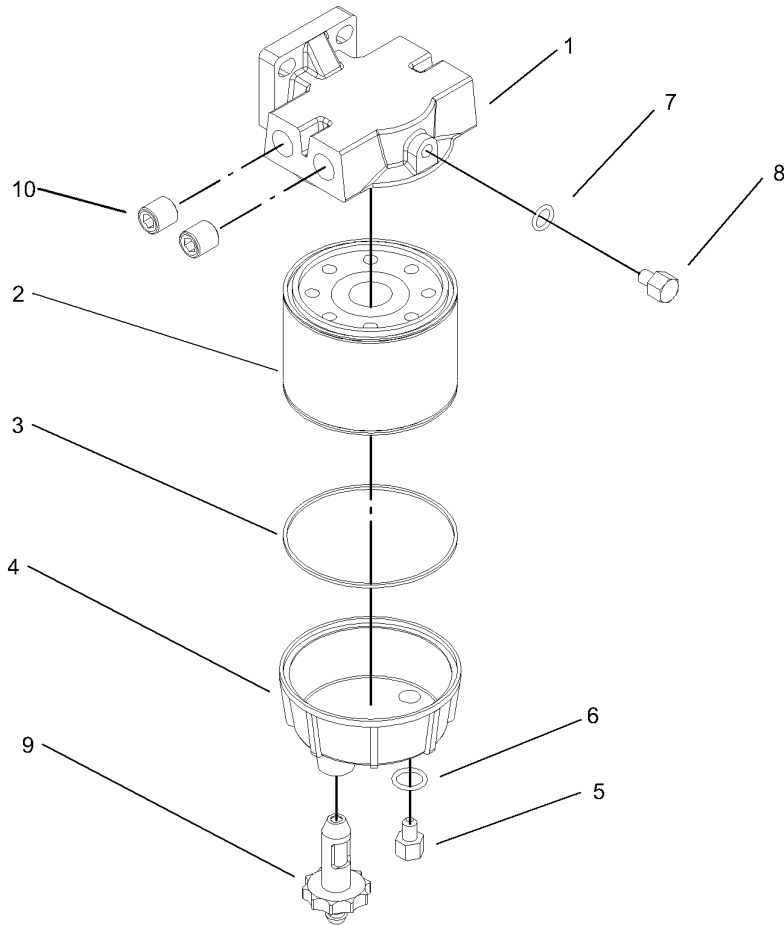
Ref	Part No.	Qty.	Description				
1	42-9250	1	Bolt				
2	3255-2	1	Washer-Lock / EXT				
4	42-9850	6	Washer-Lock, Spring				
5	3255-9	1	Washer-Lock, EXT				
6	33114-020	4	Screw-HH				
7	100-5632-03	1	Plate-Adapter				
8	100-5635	2	Pin-Plate				
9	58-3590	2	Dowel				
10	100-5633	1	Spacer-Coupling				
11	100-5634	2	Bolt-Shoulder				
12	92-1753	1	Coupling-Spring				
13	48-9590	14	Washer-Lock				
14	70-8470	6	Screw-HH				
15	43-0090	8	Screw-HH				



Battery Installation Assembly

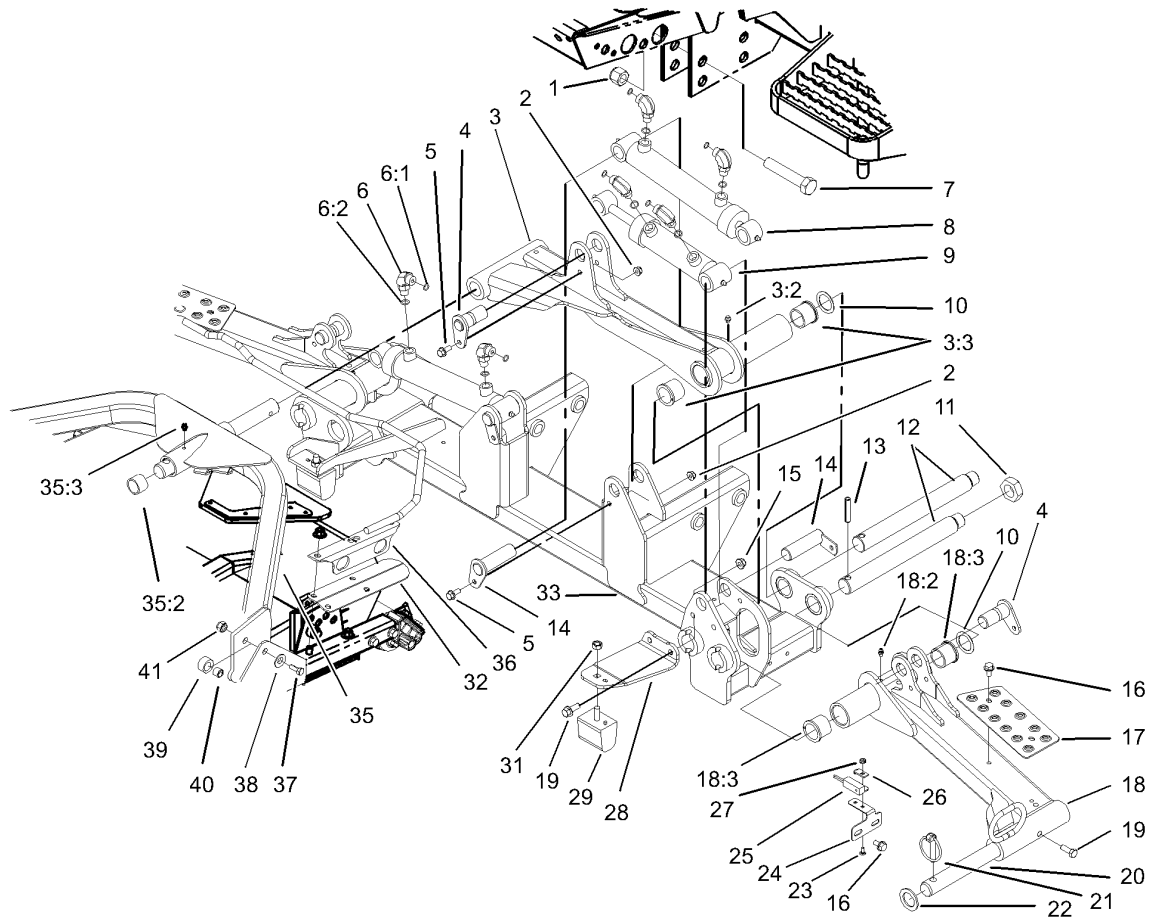
Ref	Part No.	Qty.	Description
1	93-7968	1	Pad-Foam
2	105-3880	1	Cable-Battery, Negative
3	105-0114	1	Cable-Battery, Positive
4	93-3220	1	Battery
5	93-7595	1	Battery Box ASM
6	104-5422-03	1	Bracket-Support, Battery
7	66-8800	1	Relay
8	321-6	4	Screw-HH
9	32128-43	6	Nut-Flange
13	3234-29	8	Screw-HHF
14	3296-42	4	Nut-Lock, NI
16	323-11	3	Screw-HH
17	104-5423-03	1	Tray-Battery
18	3234-11	2	Screw-HHF
19	32128-20	12	Nut-HF
20	104-5420-03	1	Battery Support ASM
21	104-5417-03	1	Bracket-Conditioner, Air
22	98-9305	1	Water / Fuel Filter ASM
23	281-13	2	Plug-Pipe
24	353-781	2	Fitting-Elbow
33	63-7627	1	Hose-Fuel
34	92-2379	3	Clamp-Hose
35	2412-81	2	Clamp-R
36	93-6668	1	Decal-Battery

Ref	Part No.	Qty.	Description
37	93-7276	1	Decal-Danger
38	94-1445	1	Strap-Battery
39	3256-22	2	Washer-Flat
41	323-12	1	Screw-HH
42	3256-24	2	Washer-Flat



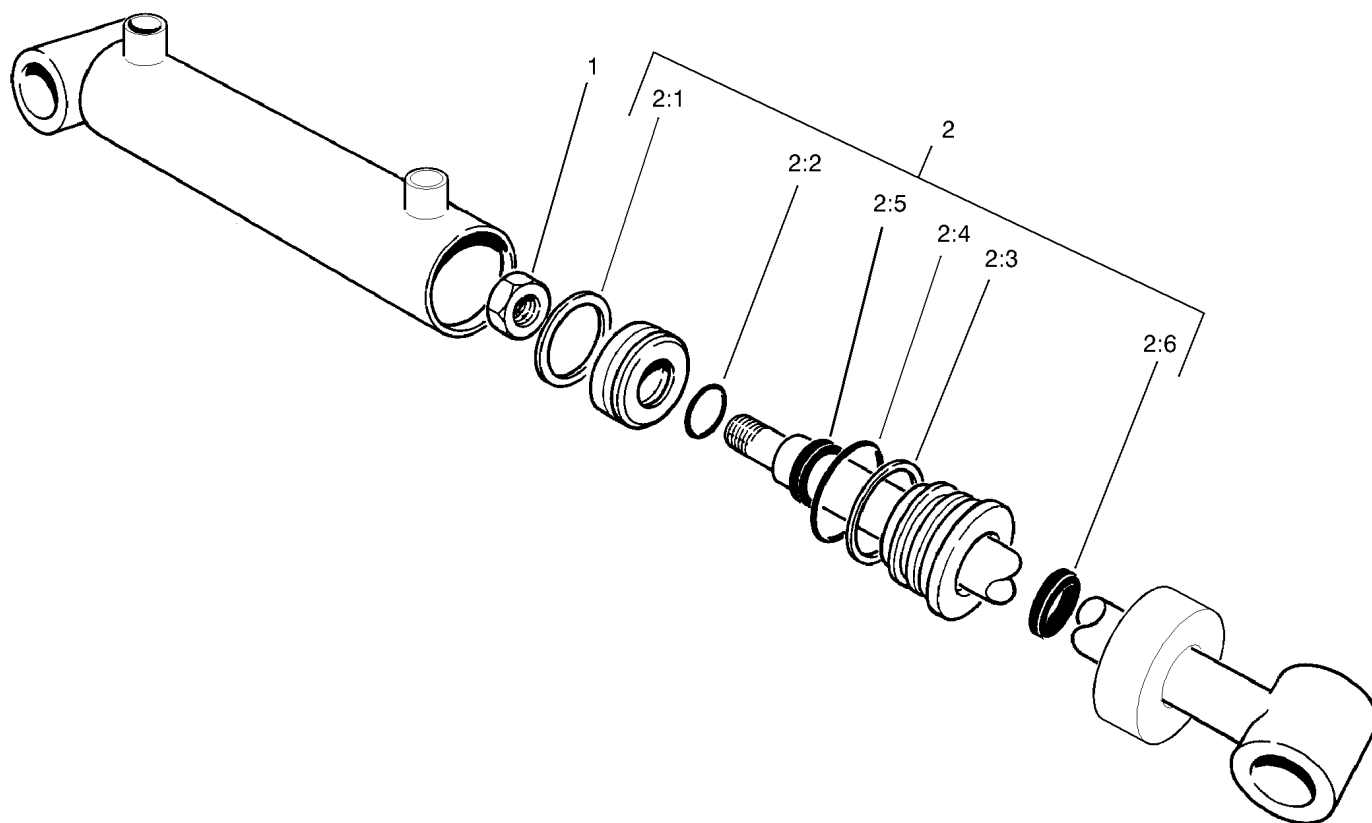
Water and Fuel Filter Assembly No. 98-9305

Ref	Part No.	Qty.	Description				
1	98-9772	1	Head-Filter				
2	98-9764	1	Element				
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-Head, Filter				
9	98-9777	1	Drain Valve ASM				
10	285-22	2	Plug-Pipe				



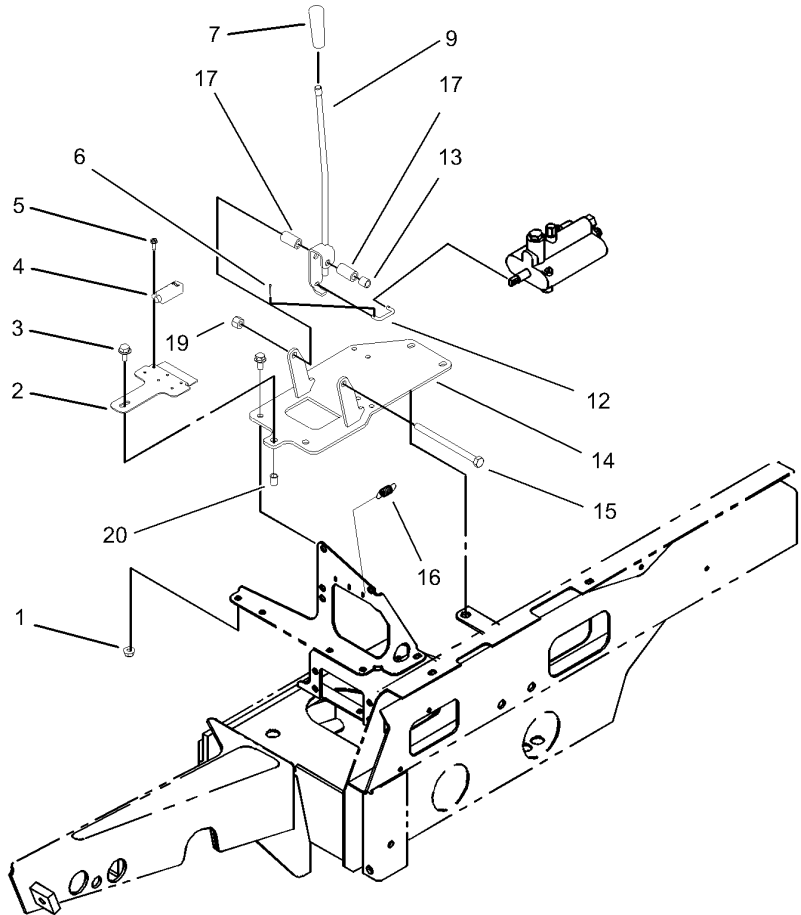
Front Lift Arm Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	3296-51	4	Nut-Lock, NI	18:3	104-0015	2	Bushing-Flange
2	104-8300	6	Nut-Flange, NI	19	323-6	5	Screw-HH
3	105-9201	1	No. 1 Lift Arm ASM	20	95-8979	3	Shaft
3:2	302-60	1	Fitting-Grease, 90 DEG	21	283-71	3	Pin-Lynch
3:3	104-0015	2	Bushing-Flange	22	3-6781	3	Washer-Thrust
4	104-5525	3	Cylinder Pin ASM	23	104-1450	2	Bolt-CARR
5	3234-5	6	Screw-HHF	24	104-5585	2	Bracket-Switch
6	340-77	6	Fitting-HYD, 90 DEG	25	100-1270	2	Switch-Proximity
6:1	237-22	1	O-Ring	26	100-4872	2	Plate-Switch, Neutral
6:2	237-42	1	O-Ring	27	32149-7	2	Nut-Keps
7	328-7	4	Screw-HH	28	104-5689-03	1	Bracket-Support, Bumper
8	104-5527	2	Cylinder-Lift, No. 4 And 5	29	87-3470	2	Bumper-Axle, Rear
9	104-5528	1	Cylinder-Lift, No. 1	31	33025-00	2	Nut-Lock
10	76-2980	3	Washer-Thrust	32	105-9831-01	2	Bracket-Bumper, No. 1
11	3296-49	3	Nut-Lock, NI	33	104-5680-03	1	Front Carrier Frame ASM
12	95-7158	3	Pin-Pivot	35	104-5656	5	Carrier Frame ASM
13	32121-110	3	Pin-Roll, Slotted	35:2	95-8795	2	Bushing
14	105-9889	3	Cylinder Pin ASM	35:3	302-5	1	Fitting-Grease
15	104-8301	6	Nut-Flange, NI	36	106-2653-01	4	Foot Guard ASM
16	32144-14	8	Screw-HWH	37	3234-18	10	Screw-HHF
17	105-3987-03	2	Plate-Skid	38	93-8806	10	Washer-Hardened
18	105-9205	1	No. 5 Lift Arm ASM	39	105-9823	10	Bushing-Carrier
18	105-9204	1	No. 4 Lift Arm ASM	40	105-9822	10	Spacer
18:2	302-5	1	Fitting-Grease	41	32128-43	10	Nut-Flange



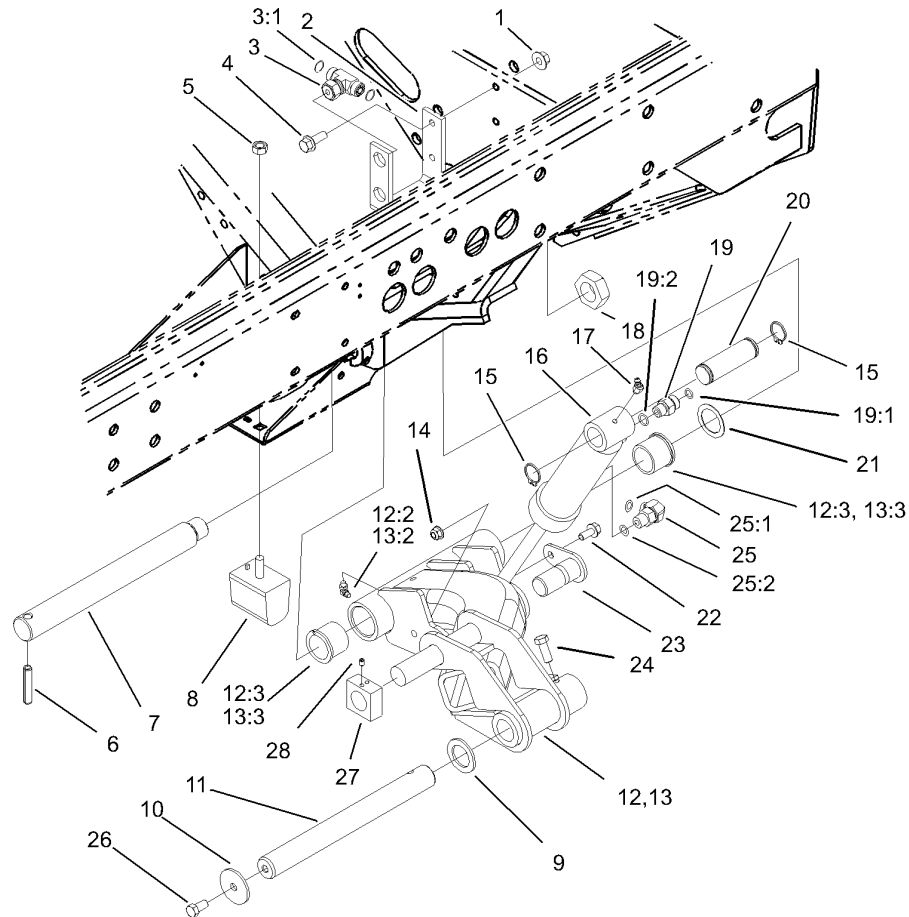
No. 1 Lift Cylinder Assembly No. 104-5528

Ref	Part No.	Qty.	Description
1	32152-10	1	Locknut
2	104-5847	1	Seal Kit
22:1		2	Seal-Dust
22:2		1	Seal-Dust
22:3		2	O-Ring, Backup
22:4		1	T-Seal
22:5		2	Seal-Rod
22:6		2	Seal-Dust



Lift Lever Assembly

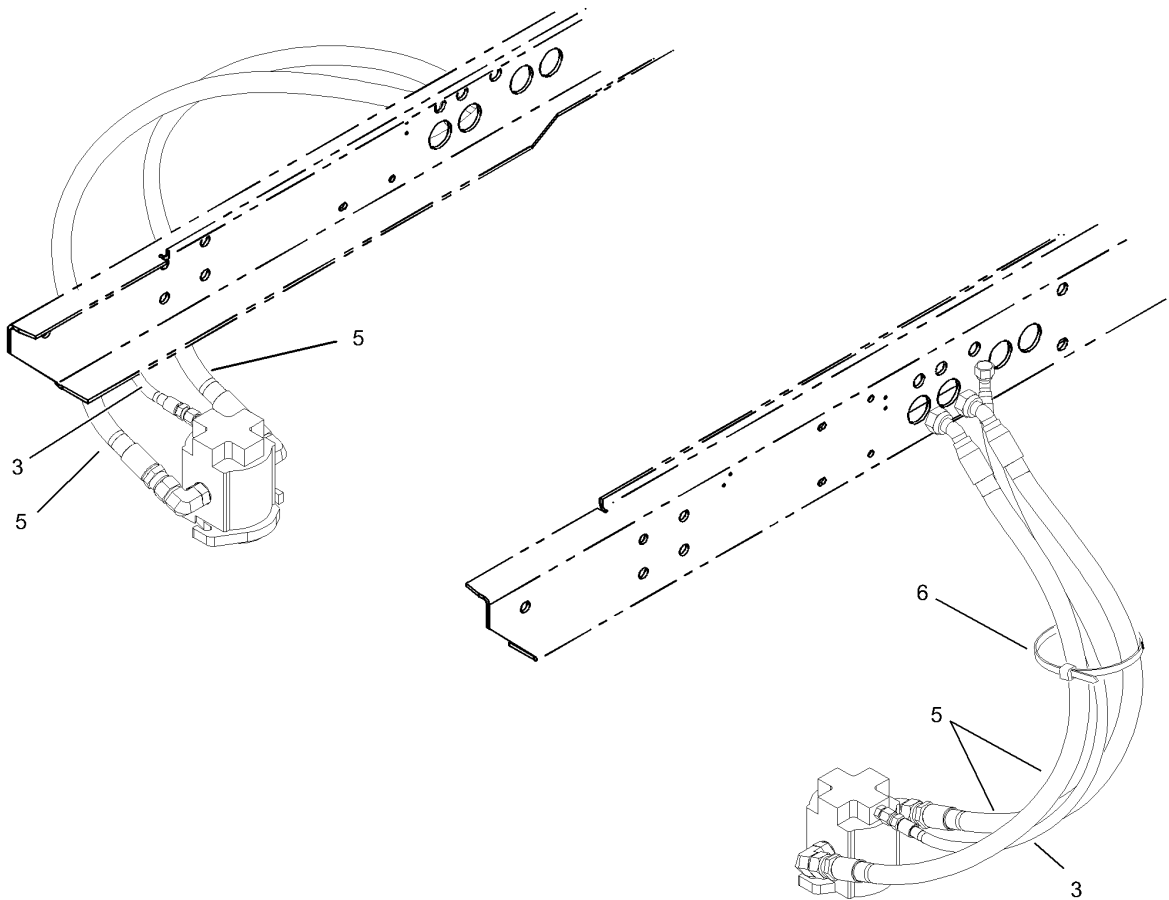
Ref	Part No.	Qty.	Description				
1	104-8300	2	Nut-Flange, NI				
2	104-5530-03	1	Plate-Switch				
3	3234-4	1	Screw-HHF				
4	105-0023	1	Switch-Proximity				
5	32144-19	2	Screw-SHWH				
6	3272-1	2	Pin-Cotter				
7	233-39	1	Knob-Control				
9	104-5616	1	Center Lever ASM				
12	69-9140	1	Link-Lever, Valve				
13	65-9980	1	Spacer				
14	104-5606-03	1	Valve Support ASM				
15	323-39	1	Screw-HH				
16	105-3938	1	Spring-Extension				
17	61-2780-03	2	Spacer-Tube				
19	3296-39	1	Nut-Lock, NI				
20	32148-6	1	Insert-Nut				



No. 2 and 3 Lift Arm Assembly

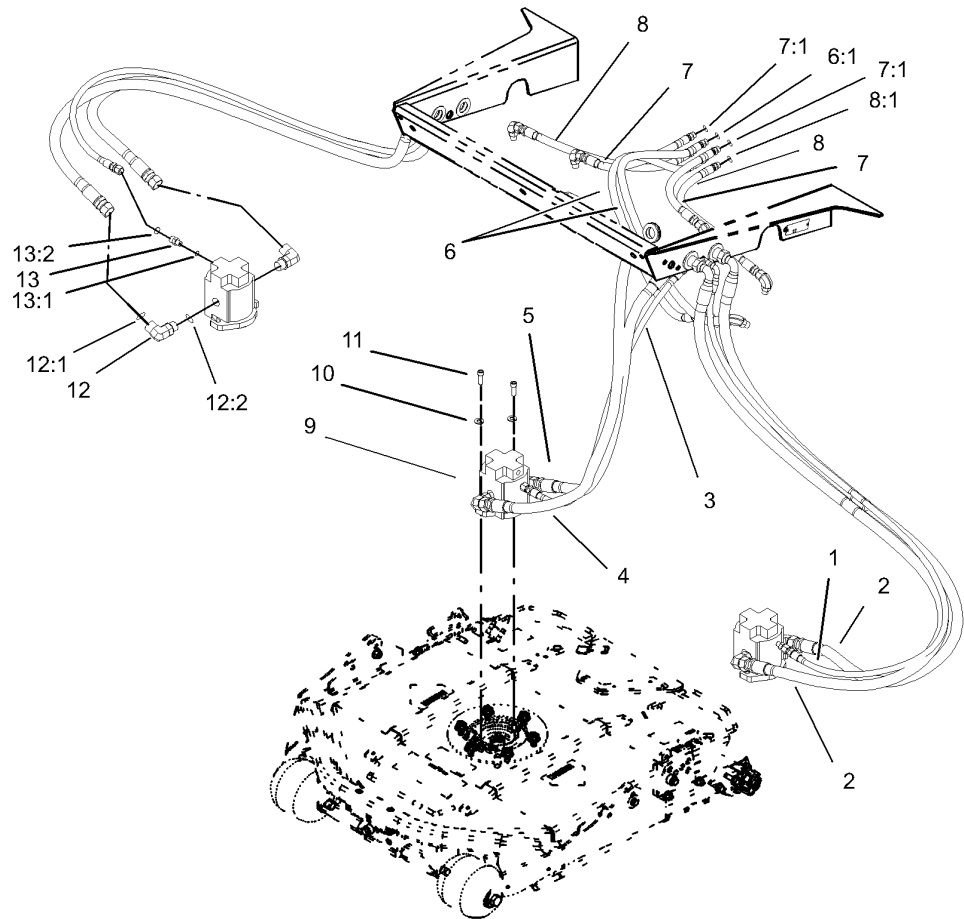
Ref	Part No.	Qty.	Description
1	32128-20	2	Nut-HF
2	105-3992-03	1	Bracket-Bulkhead
3	340-166	2	Fitting-Tee, HYD
3:1	237-22	1	O-Ring
4	3234-17	2	Screw-HHF
5	33025-00	2	Nut-Lock
6	32121-110	2	Pin-Roll, Slotted
7	95-7158	2	Pin-Pivot
8	87-3470	2	Bumper-Axle, Rear
9	3-6781	2	Washer-Thrust
10	63-7400	2	Washer-Rebound
11	105-9827	2	Shaft
12	105-9202	1	No. 2 Lift Arm ASM
12:2	302-60	1	Fitting-Grease, 90 DEG
12:3	104-0015	2	Bushing-Flange
13	105-9203	1	No. 3 Lift Arm ASM
13:2	302-60	1	Fitting-Grease, 90 DEG
13:3	104-0015	2	Bushing-Flange
14	104-8300	2	Nut-Flange, NI
15	32151-36	4	Ring-Retaining
16	104-5526	2	Cylinder-Lift, No. 2 And 3
17	302-11	2	Fitting-Lube, 45 DEG
18	3296-49	2	Nut-Lock, NI
19	340-2	2	Fitting-Straight, HYD

Ref	Part No.	Qty.	Description
19:1	237-22	1	O-Ring
19:2	237-42	1	O-Ring
20	92-7548	2	Pin-Cylinder
21	76-2980	2	Washer-Thrust
22	3234-17	2	Screw-HHF
23	104-5525	2	Cylinder Pin ASM
24	323-6	2	Screw-HH
25	340-77	2	Fitting-HYD, 90 DEG
25:1	237-22	1	O-Ring
25:2	237-42	1	O-Ring
26	323-4	2	Screw-HH
27	105-9839	2	Stop-Rotation, No. 2 And 3
28	3245-7	4	Screw-Set



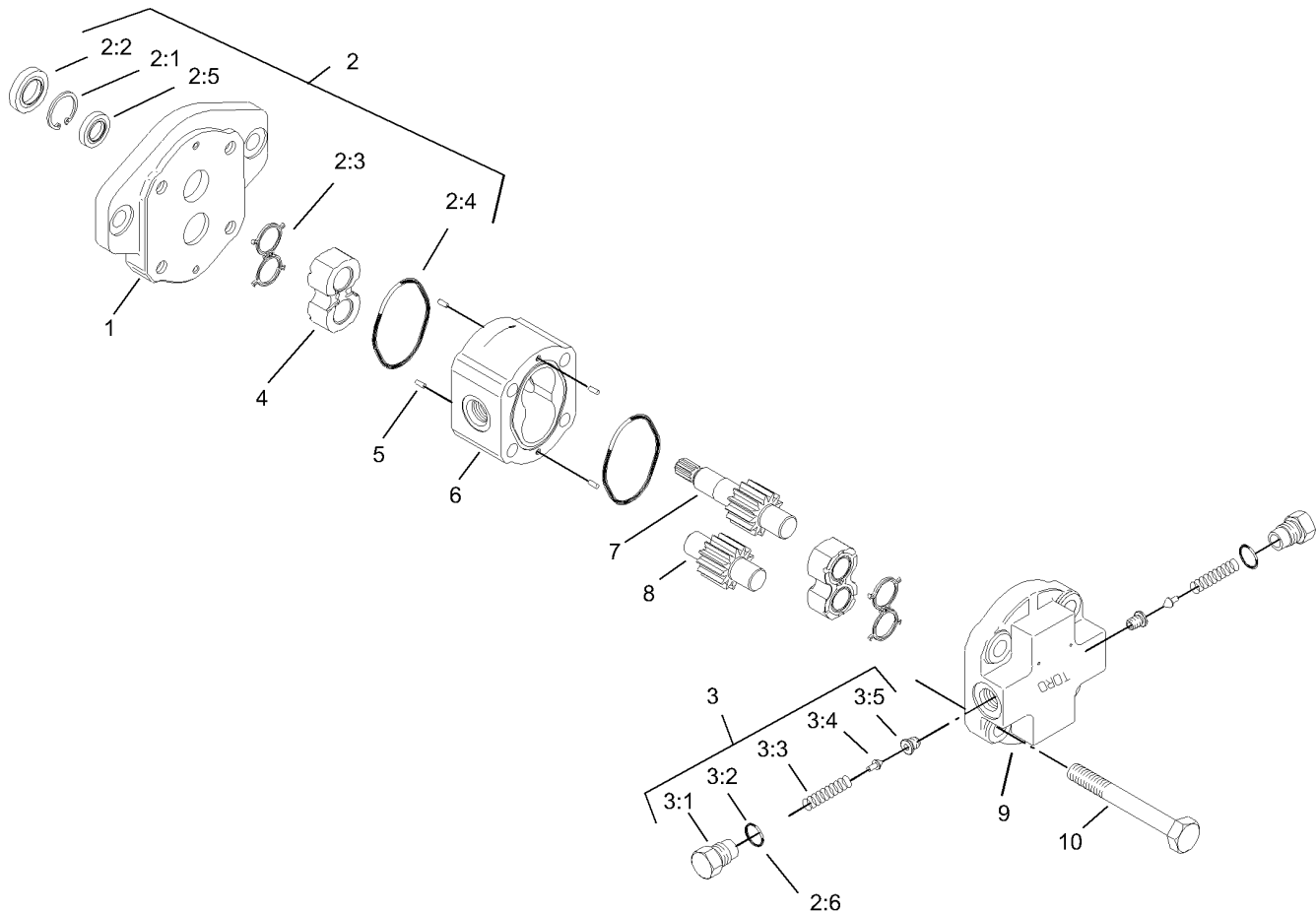
Hose Installation Assembly

Ref	Part No.	Qty.	Description				
3	104-5502	2	Hose ASM				
5	104-5505	4	Hose ASM				
6	3290-379	2	Tie-Cable				



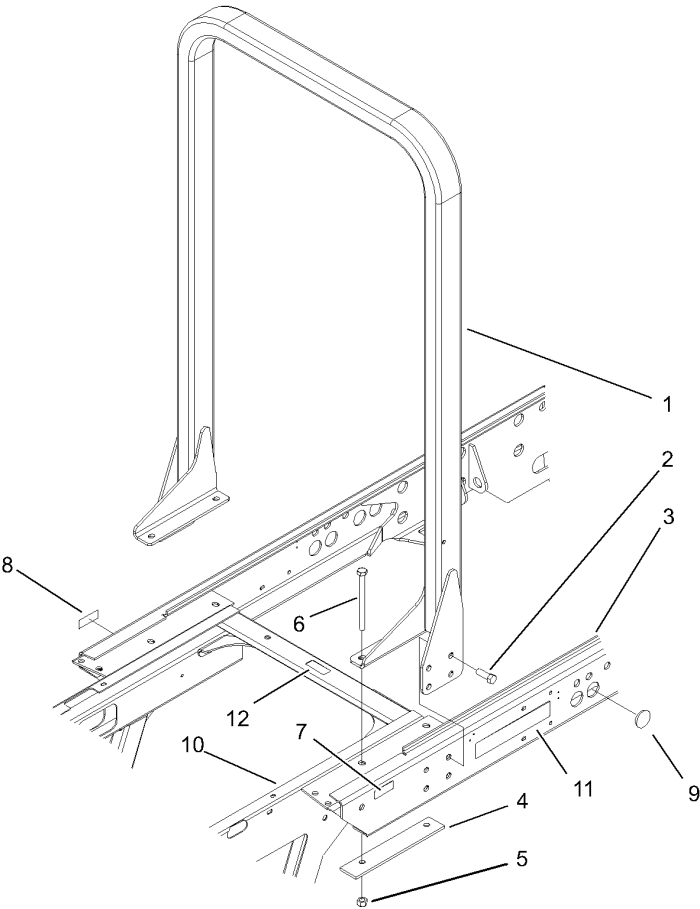
No. 1, 4 and 5 Hose Installation Assembly

Ref	Part No.	Qty.	Description				
1	104-5500	2	Hose ASM				
2	104-5501	4	Hose ASM				
3	104-5502	1	Hose ASM				
4	104-5504	1	Hose ASM				
5	104-5505	1	Hose ASM				
6	104-5511	2	Hose ASM				
6:1	237-42	1	O-Ring				
7	104-5512	2	Hose ASM				
7:1	237-42	1	O-Ring				
8	104-5513	2	Hose ASM				
8:1	237-42	1	O-Ring				
9	105-9820	5	Motor-HYD				
10	3256-24	10	Washer-Flat				
11	3274-7	10	Screw-HSH				
12	340-17	10	Fitting-HYD, 90 DEG				
12:1	237-65	1	O-Ring				
12:2	237-80	1	O-Ring				
13	340-92	5	Fitting-HYD, Straight				
13:1	237-78	1	O-Ring				
13:2	237-21	1	O-Ring				



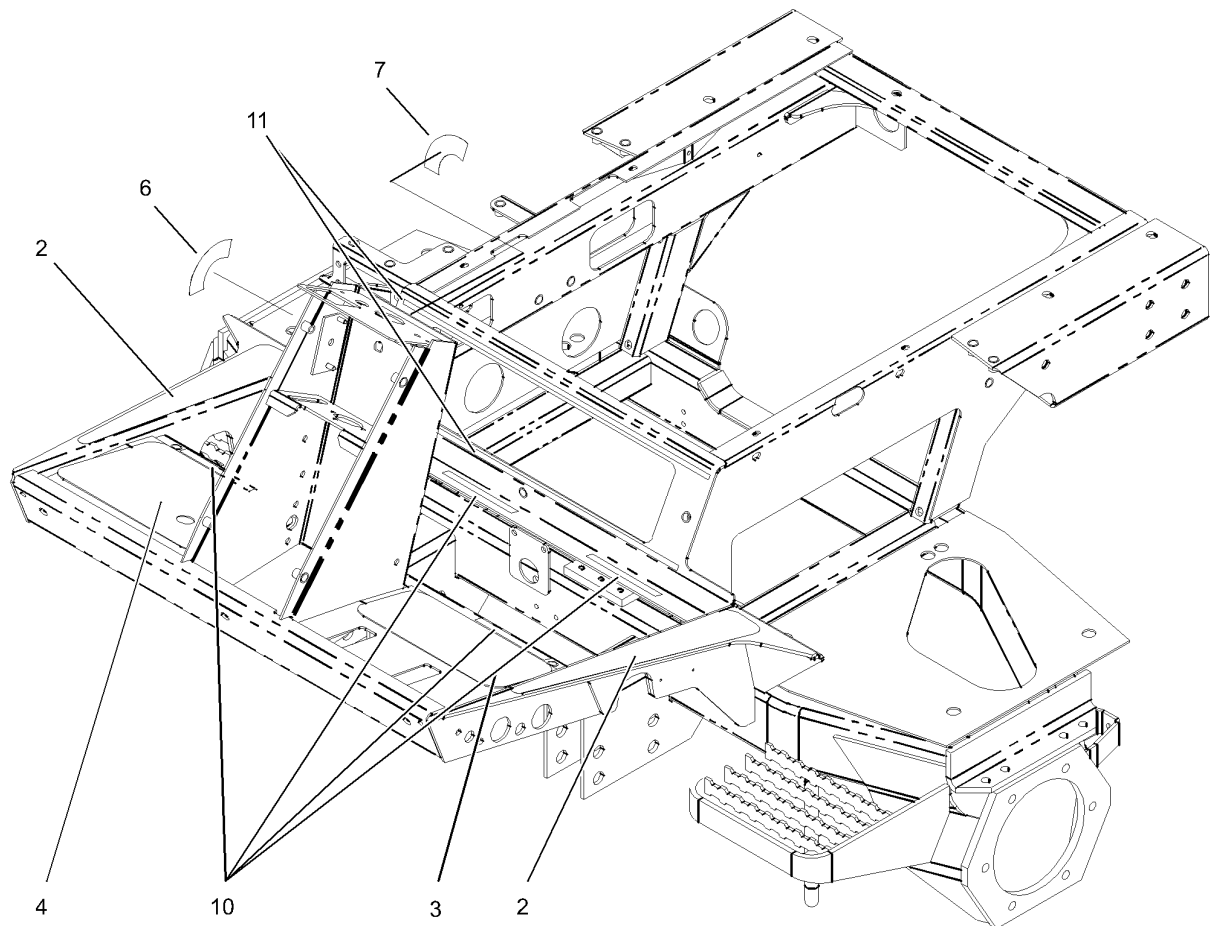
Hydraulic Motor Assembly No. 105-9820

Ref	Part No.	Qty.	Description				
1	105-9191	1	Flange				
2		1	Seal Kit				
2:1		1	Ring-Retaining				
2:2		1	Seal-Shaft				
2:3		2	Seal ASM				
2:4		2	Seal-Dust				
2:5	105-9192	1	Seal-Shaft				
2:6		2	Seal-Dust				
3		2	Relief Valve Kit				
3:1		1	Cap-Valve, Relief				
3:2		1	Seal-Dust				
3:3		1	Spring				
3:4		1	Poppet				
3:5		1	Seat-Valve, Relief				
4		2	Block-Bushing				
5		4	Pin-Dowel				
6		1	Housing				
7		1	Gear-Drive				
8		1	Gear-Idler				
9		1	Block-Valve				
10		4	Bolt				



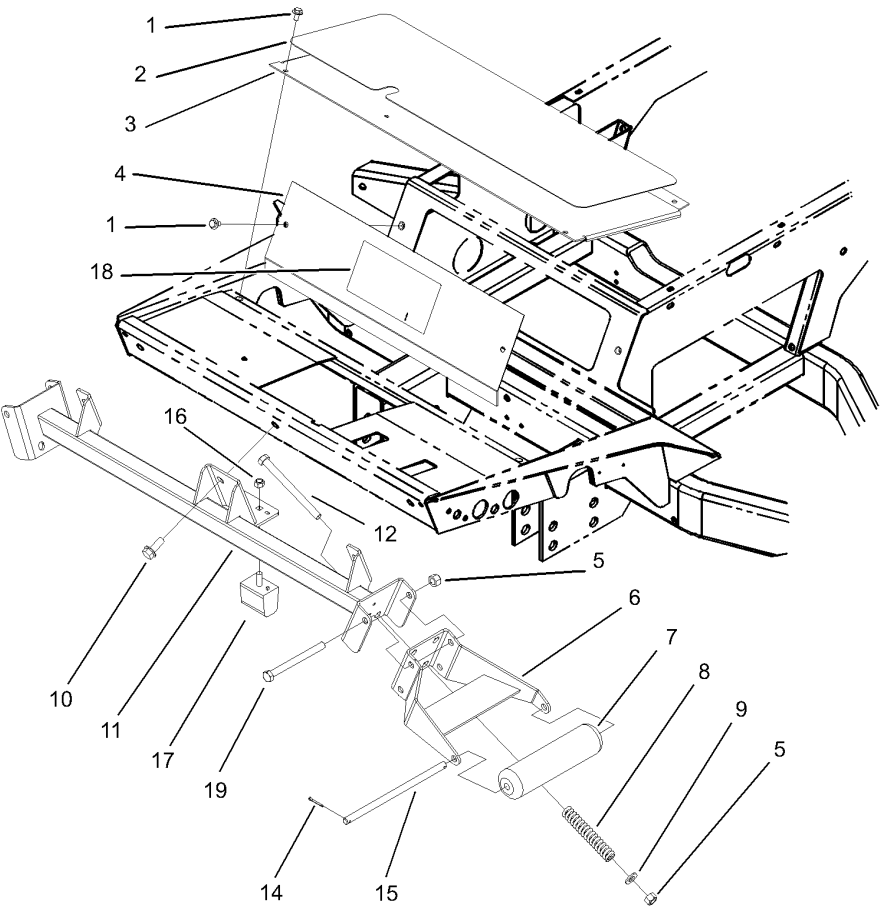
Roll-Over Protection System and Frame Assembly

Ref	Part No.	Qty.	Description				
1	104-5579-03	1	ROPS ASM				
2	3234-38	10	Screw-HHF				
3	104-5410-03	1	Frame-Rear				
4	104-5584-03	2	Plate-Reinforcement, ROPS				
5	32128-49	4	Nut-HHF				
6	325-20	4	Screw-HH				
7	93-6680	1	Decal-Diesel				
8	93-6686	1	Decal-Oil, HYD				
9	105-9194	4	Plug				
10	104-5469	1	Front Frame ASM				
11	72-3560	2	Decal				
12	100-6574	1	Decal-Warning				



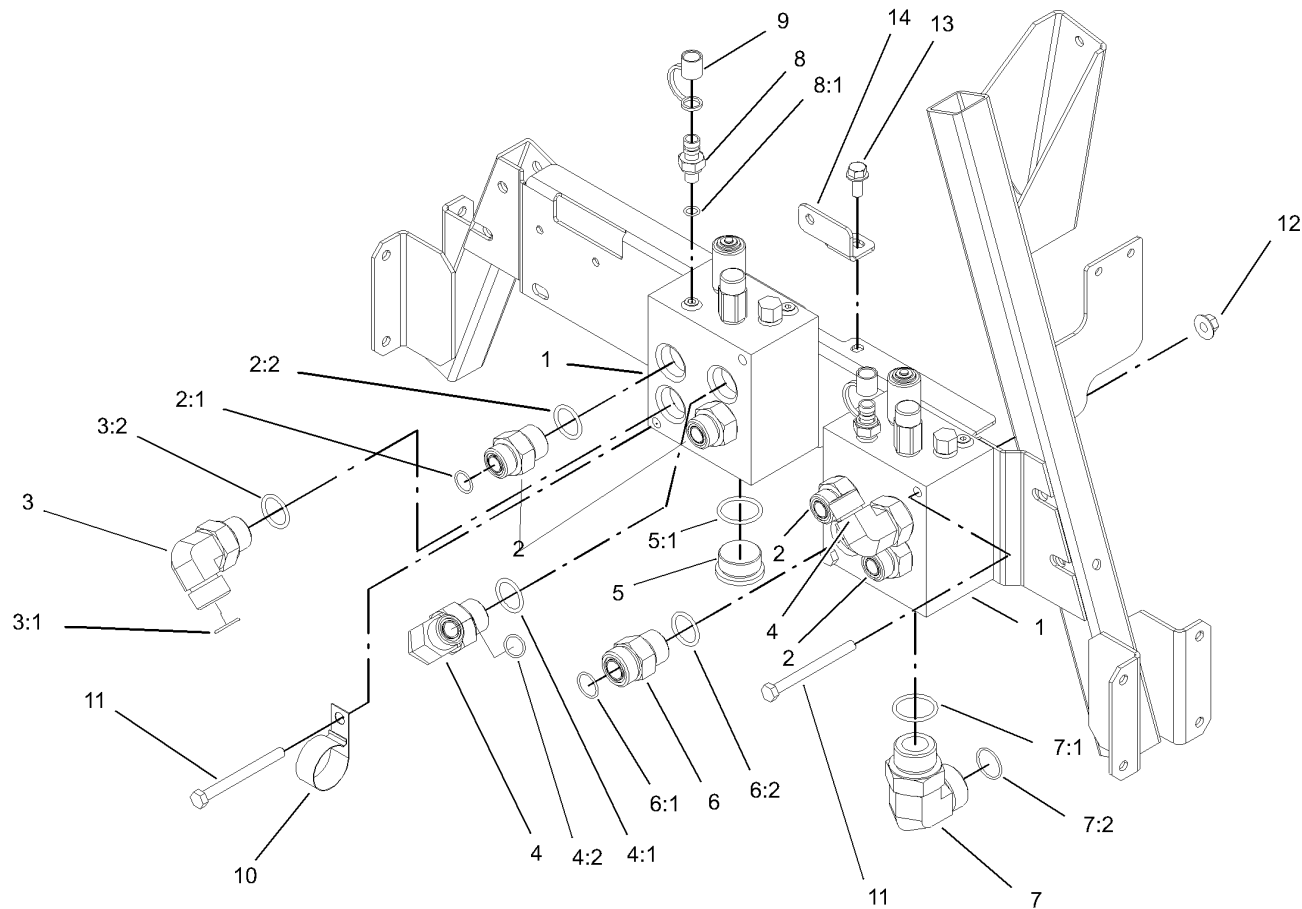
Front Frame Assembly No. 104-5469

Ref	Part No.	Qty.	Description				
2	93-7592	2	Tread-Rest, Foot				
3	75-0620	1	Tread-Foot, LH				
4	104-5223	1	Tread-Foot, RH				
6	93-6699	1	Decal-Fast / Slow				
7	105-7506	1	Decal-Switch, Key				
10	105-9859	6	Seal-Foam				
11	105-9860	2	Seal-Foam				



Roller Support and Access Panel Assembly

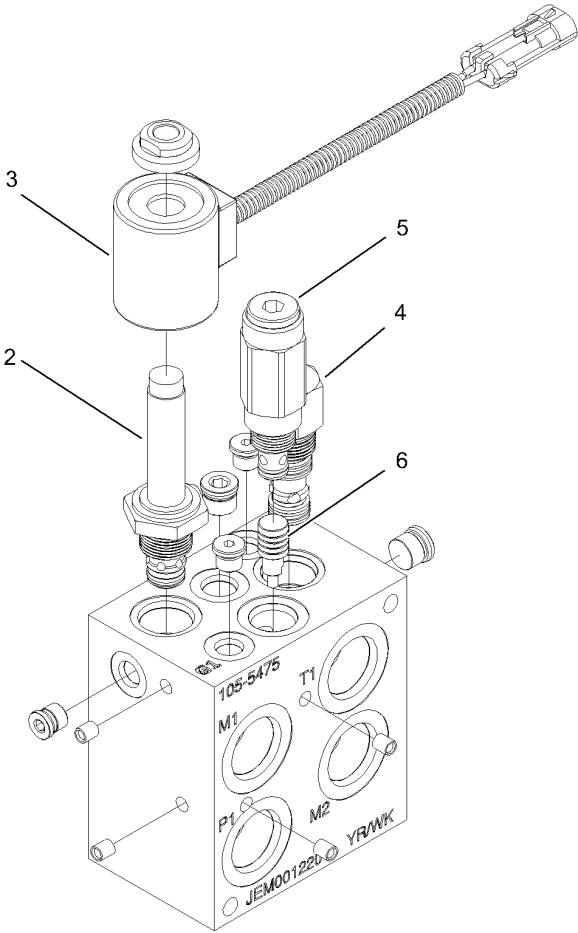
Ref	Part No.	Qty.	Description				
1	3234-7	7	Screw-HHF				
2	75-0630	1	Tread-Foot, Center				
3	75-1410-01	1	Plate-Access, Floor				
4	105-9243-01	1	Plate-Access				
5	3296-23	4	Nut-Lock, NI				
6	105-3996-01	2	Roller Support ASM				
7	105-9816	2	Roller-Plastic				
8	105-3970	2	Spring-Compression				
9	3256-26	2	Washer-Flat				
10	3234-38	3	Screw-HHF				
11	104-5539-01	1	Roller Support ASM				
12	325-22	2	Screw-HH				
14	3272-11	4	Pin-Cotter				
15	104-5545	2	Shaft-Roller				
16	33025-00	1	Nut-Lock				
17	87-3470	1	Bumper-Axle, Rear				
18	105-3889	1	Decal-Danger				
18	105-9222	1	Decal-Warning, Ce				
19	325-20	2	Screw-HH				



Manifold Assembly

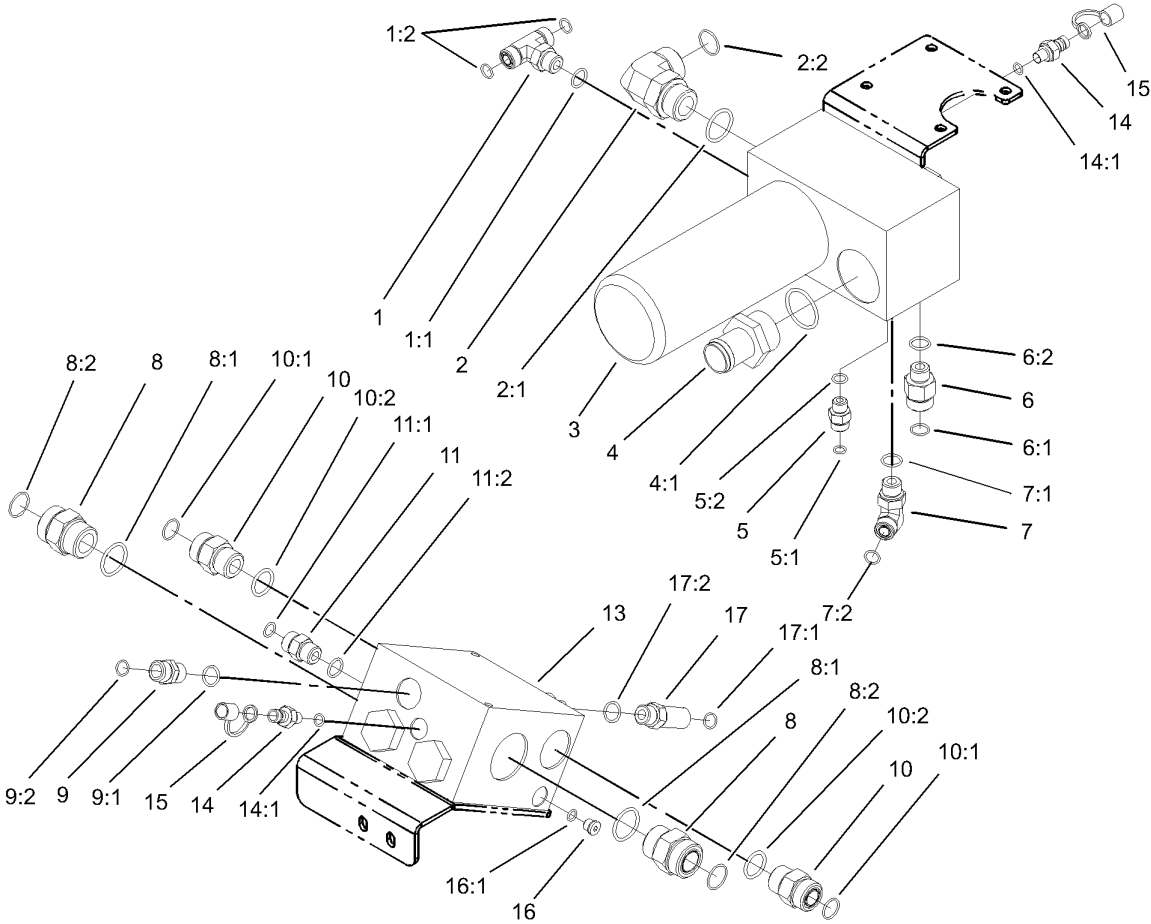
Ref	Part No.	Qty.	Description
1	104-5475	2	Manifold ASM
2	340-8	4	Adapter
2:1	237-65	1	O-Ring
2:2	237-81	1	O-Ring
3	340-142	1	Fitting-HYD, 90 DEG
3:1	237-58	1	O-Ring
3:2	237-81	1	O-Ring
4	340-139	2	Fitting-HYD, 90 DEG
4:1	237-81	1	O-Ring
4:2	237-65	1	O-Ring
5	105-3921	1	Fitting-Plug
5:1	237-146	1	O-Ring
6	340-9	1	Fitting-HYD, Straight
6:1	237-58	1	O-Ring
6:2	237-81	1	O-Ring
7	340-129	1	Fitting-HYD, 90 DEG
7:1	237-146	1	O-Ring
7:2	340-65	1	O-Ring
8	354-77	2	Fitting-Quick
8:1	237-78	1	O-Ring
9	354-79	2	Cap-Dust
10	2412-150	1	J-Clip
11	322-22	4	Screw-HH
12	32128-44	5	Nut

Ref	Part No.	Qty.	Description
13	3234-5	1	Screw-HHF
14	104-5487	1	Bracket-L



Manifold Assembly No. 104-5475

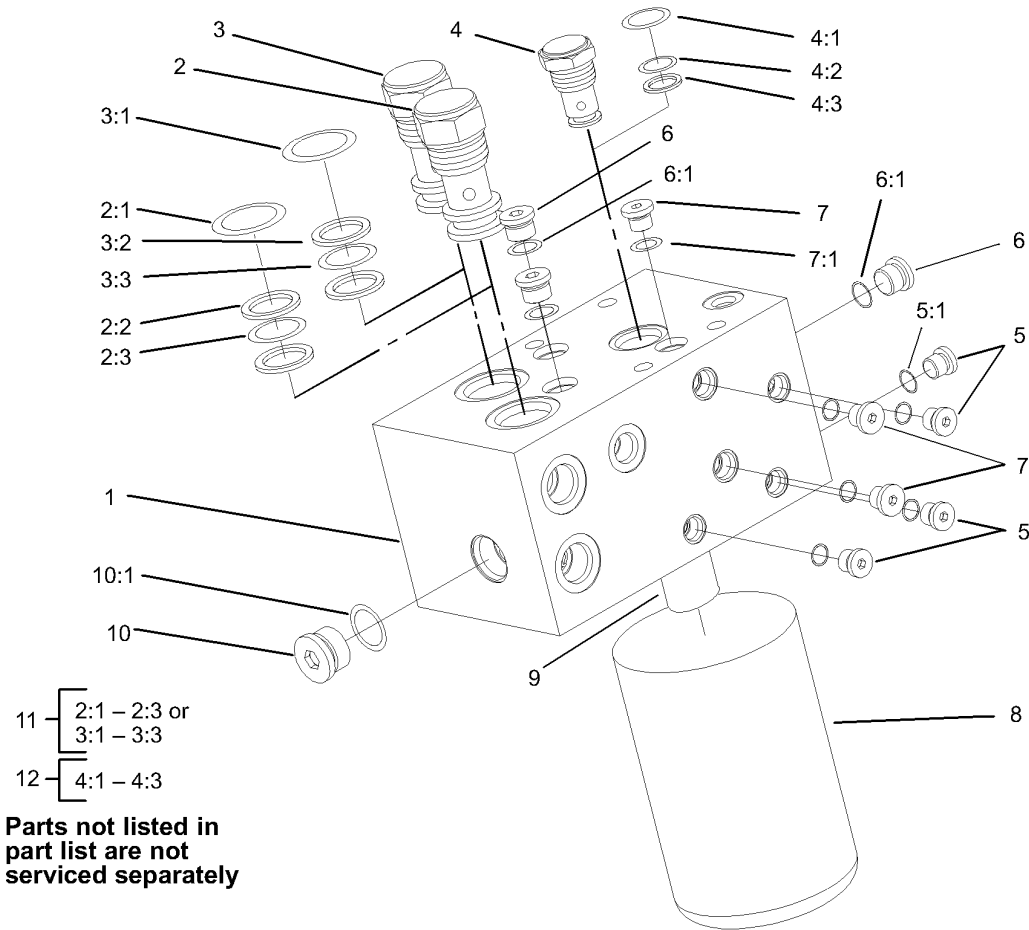
Ref	Part No.	Qty.	Description				
2	105-9150	1	Relief-Proportional				
❶2:1	105-9151	1	Seal Kit				
3	105-9152	1	Coil ASM				
4	105-9153	1	Element-Logic, Vented				
❶4:1	105-9154	1	Seal Kit				
5	105-9155	1	Valve-Relief				
❶5:1	105-9156	1	Seal Kit				
6	105-9157	1	Piston-Pilot				



4 Wheel Drive Manifold and Filter Assembly

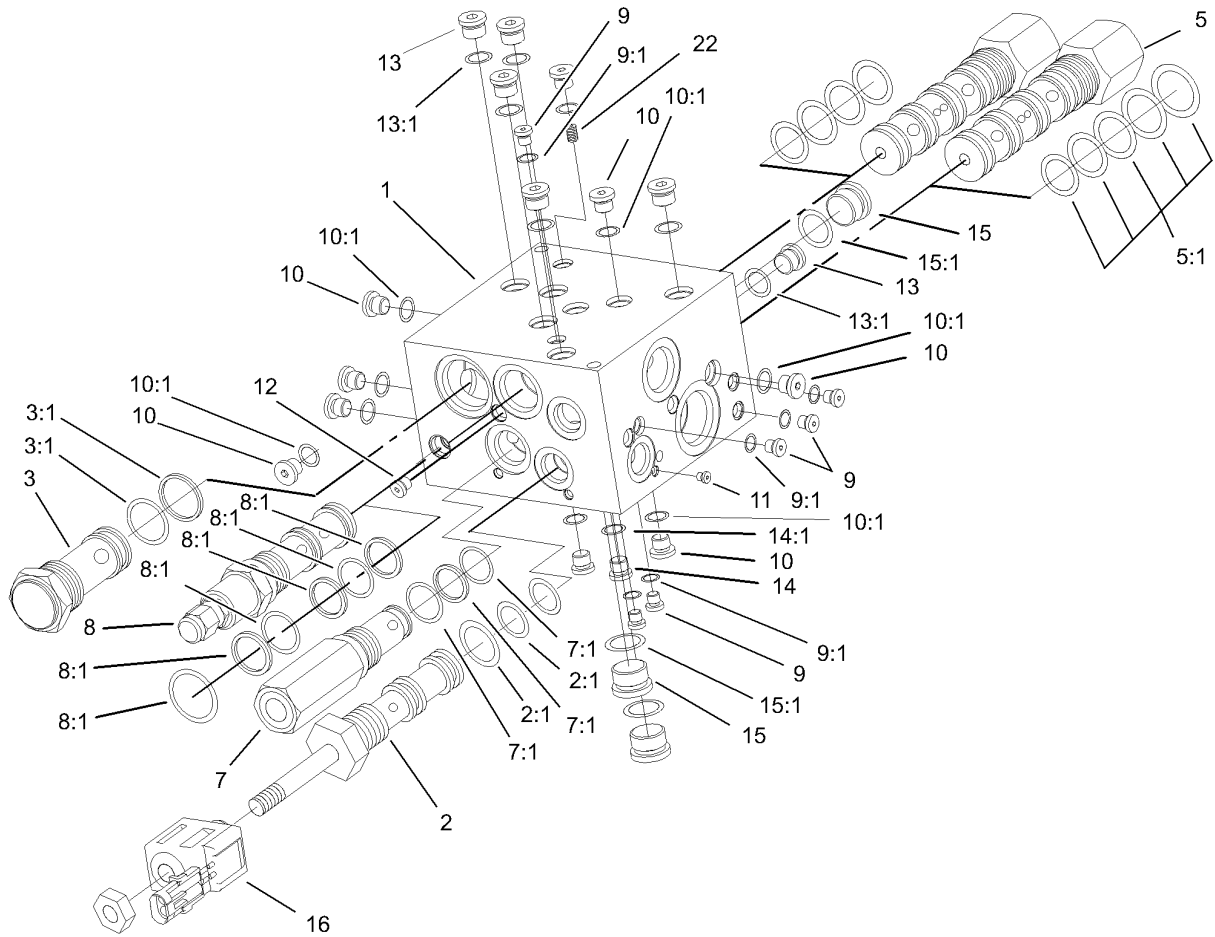
Ref	Part No.	Qty.	Description
1	340-157	1	Fitting-HYD, Tee
1:1	237-79	1	O-Ring
1:2	237-30	2	O-Ring
2	340-129	1	Fitting-HYD, 90 DEG
2:1	237-146	1	O-Ring
2:2	340-65	1	O-Ring
3	100-5558	1	Manifold-Filter
4	104-5480	1	Fitting-Hose, Straight
4:1	237-123	1	O-Ring
5	340-2	1	Fitting-Straight, HYD
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-155	1	Fitting-HYD, Straight
6:1	237-79	1	O-Ring
6:2	237-151	1	O-Ring
7	340-98	1	Fitting-HYD, 90 DEG
7:1	237-79	1	O-Ring
7:2	237-30	1	O-Ring
8	104-3797	2	Fitting-HYD, Straight
8:1	237-146	1	O-Ring
8:2	340-65	1	O-Ring
9	100-4890	1	Fitting-Check
9:1	237-79	1	O-Ring
9:2	237-30	1	O-Ring

Ref	Part No.	Qty.	Description
10	340-9	2	Fitting-HYD, Straight
10:1	237-58	1	O-Ring
10:2	237-81	1	O-Ring
11	340-4	1	Fitting-HYD, Straight
11:1	237-30	1	O-Ring
11:2	237-79	1	O-Ring
13	105-9875	1	4Wd Manifold ASM
14	354-77	2	Fitting-Quick
14:1	237-78	1	O-Ring
15	354-79	2	Cap-Dust
16	353-990	1	Plug
16:1	237-78	1	O-Ring
17	94-2628	1	Adapter-HYD
17:1	237-79	1	O-Ring
17:2	237-30	1	O-Ring



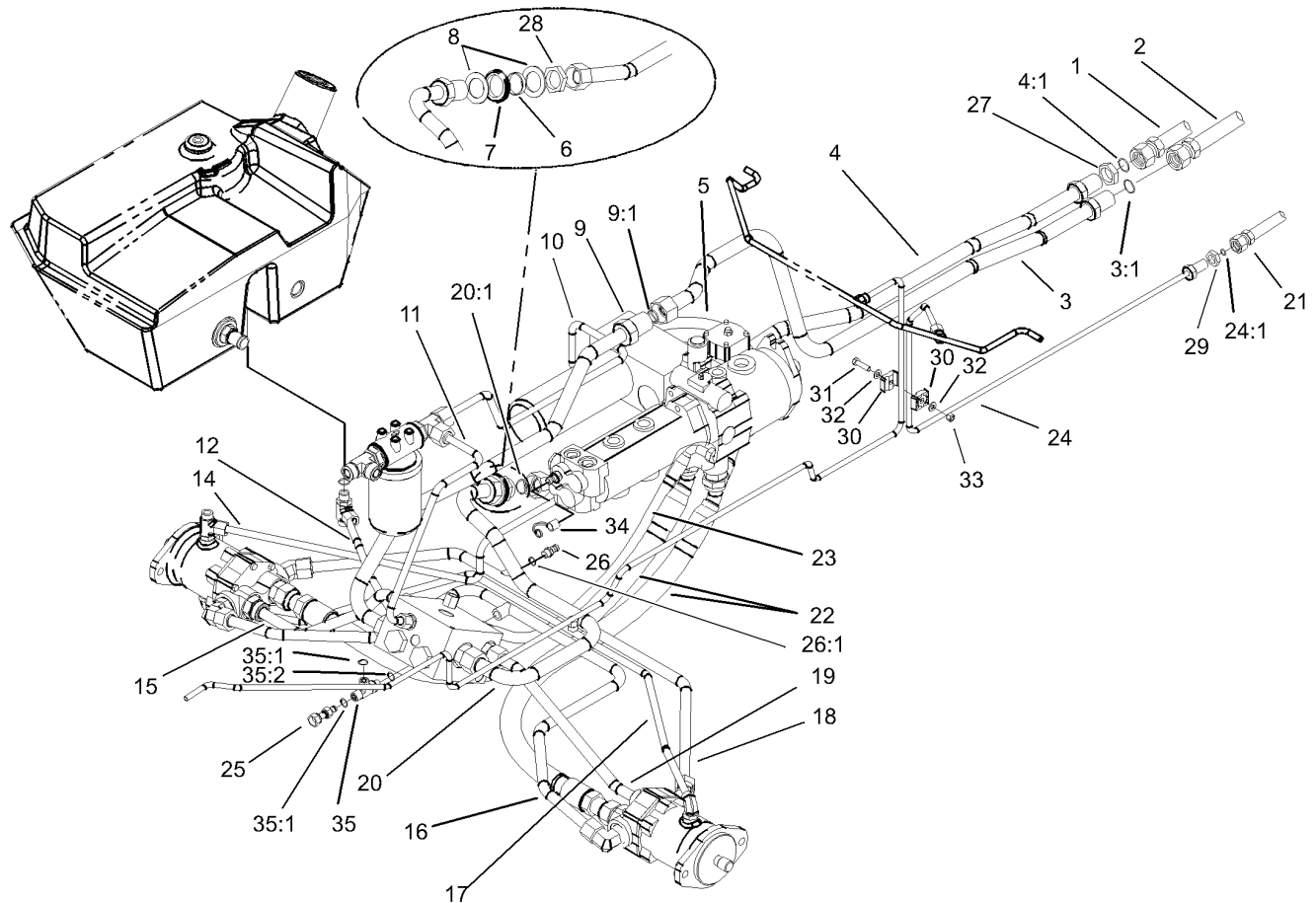
Filter Manifold Assembly No. 100-5558

Ref	Part No.	Qty.	Description				
1		1	Manifold				
2	104-4292	1	Valve-Check				
3	104-4293	1	Valve-Check				
4	104-4294	1	Valve-Check				
5	353-990	4	Plug				
5:1	237-78	1	O-Ring				
6	353-989	3	Plug-Hex, Hollow				
6:1	237-42	1	O-Ring				
7	354-137	3	Plug				
7:1	237-86	1	O-Ring				
8	94-2621	1	Element-Filter				
9		1	Nipple-Filter				
10	354-70	1	Plug-Hex, Hollow				
10:1	237-80	1	O-Ring				
11	99-5504	2	Seal Kit				
12	99-5503	1	Seal Kit				



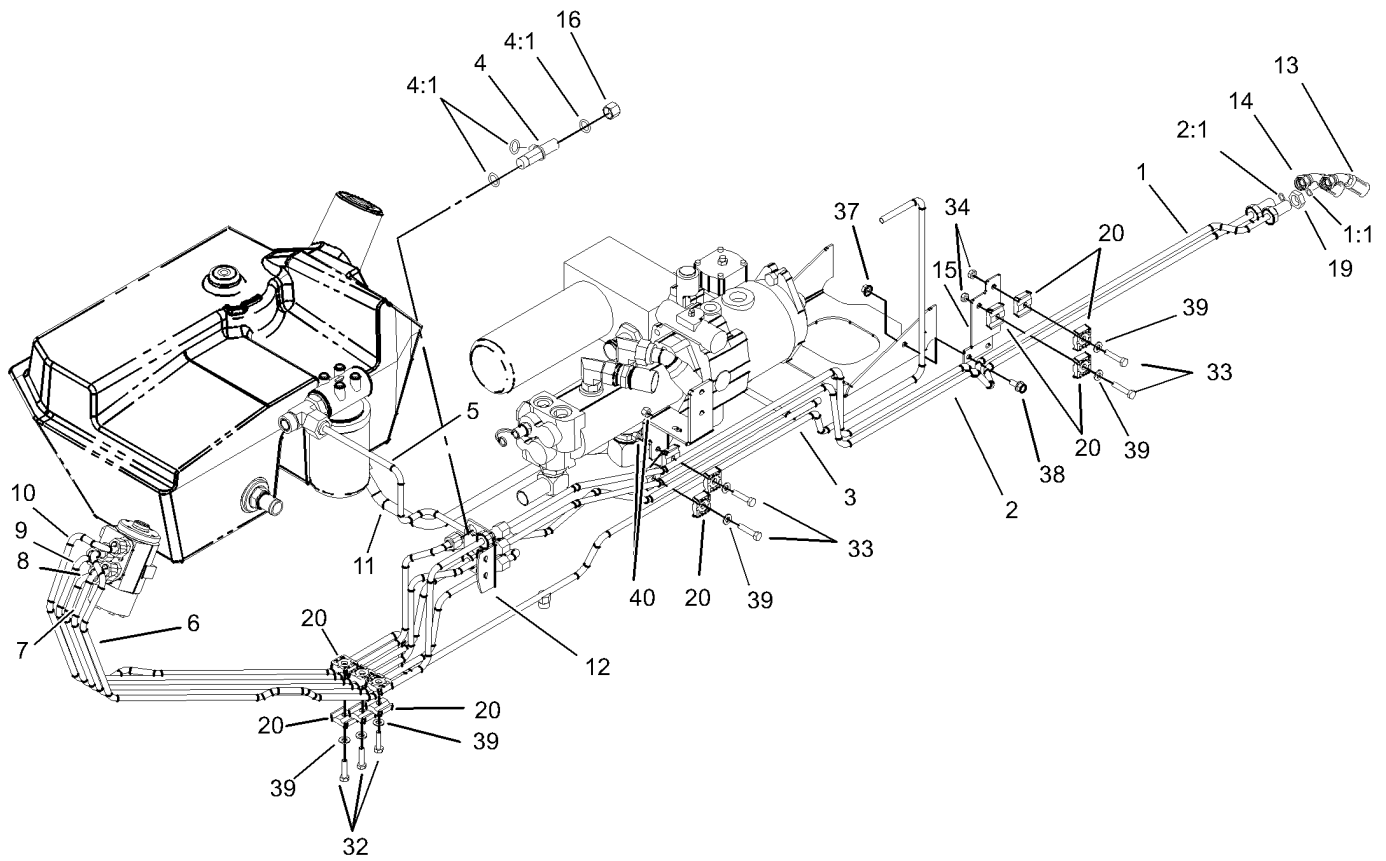
4 Wheel Drive Manifold Assembly No. 105-9875

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1		1	Manifold	22	106-6766	1	Plug-Orifice
2	104-8603	1	Valve-Solenoid				
2:1	99-5505	1	Seal Kit				
3	104-8604	1	Valve-Check				
3:1	99-5506	1	Seal Kit				
5	104-8605	2	Valve-Control				
5:1	99-5507	1	Seal Kit				
7	105-9847	1	Valve-Relief				
7:1	99-5503	1	Seal Kit				
8	105-9848	1	Valve-Reducing				
8:1	104-4266	1	Seal Kit				
9	353-991	7	Plug-Hex, Hollow				
9:1	237-156	1	O-Ring				
10	354-137	8	Plug				
10:1	237-86	1	O-Ring				
11		5	Plug-Expander				
12		5	Plug-Expander				
13	353-989	6	Plug-Hex, Hollow				
13:1	237-42	1	O-Ring				
14	353-990	3	Plug				
14:1	237-78	1	O-Ring				
15	354-70	3	Plug-Hex, Hollow				
15:1	237-80	1	O-Ring				
16	104-4264	1	Coil-Solenoid				



Traction Hydraulic Line Assembly

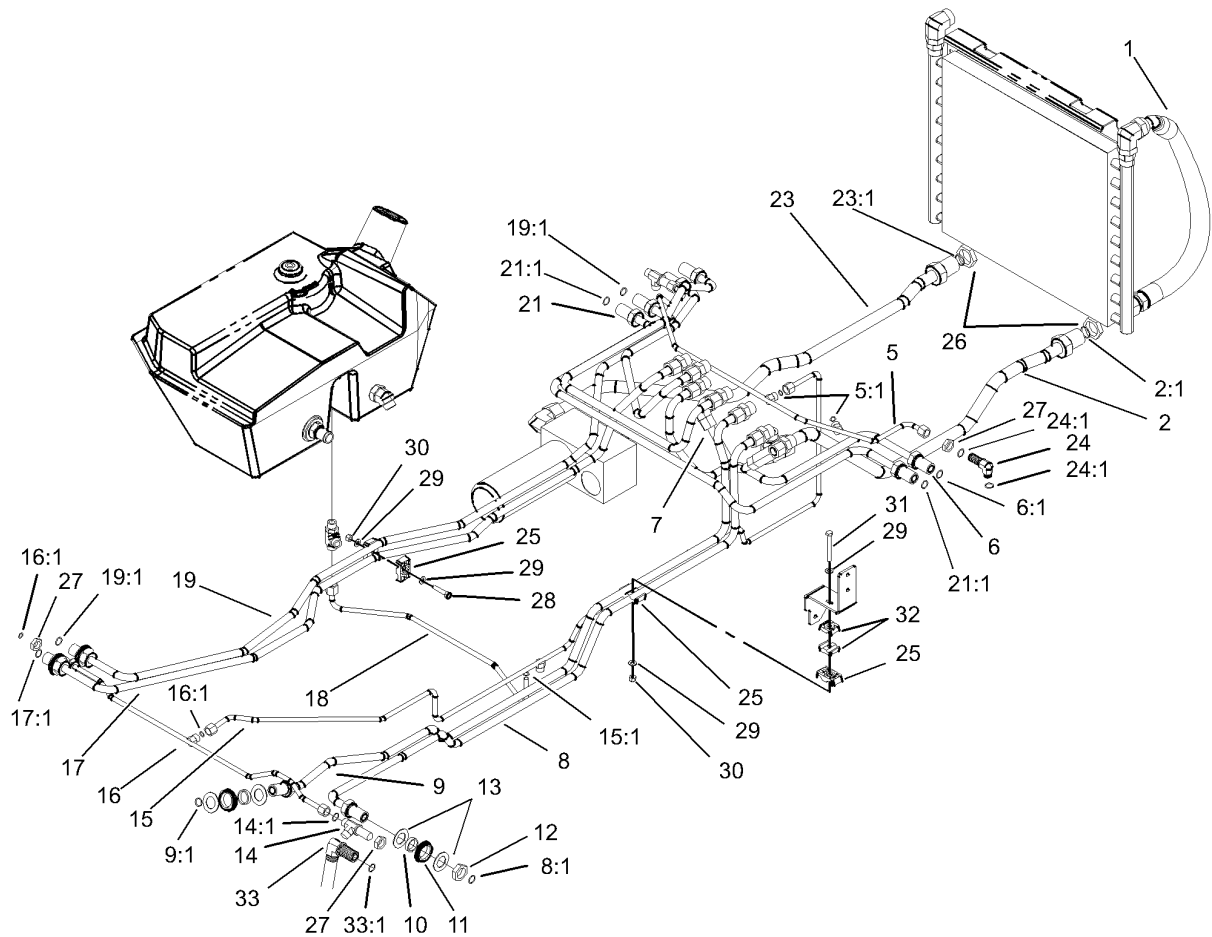
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	92-7536	1	Hose ASM	22	104-5464	2	Hose ASM
2	105-9818	1	Hose ASM	23	105-3985	1	Hose ASM
3	104-5476	1	Tube ASM	24	105-9863	1	Tube-HYD
3:1	340-65	1	O-Ring	24:1	237-22	1	O-Ring
4	104-5478	1	Tube ASM	25	86-5480	1	Nipple-Test
4:1	340-65	1	O-Ring	26	59-7410	1	Tip-Nipple, Diagnostic
5	105-3864	1	Hose ASM	26:1	237-42	1	O-Ring
6	69-8950	2	Spacer	27	340-126	2	Nut-Bulkhead
7	240-2	2	Grommet-Rubber	28	340-128	2	Nut-Bulkhead
8	69-8920	4	Washer	29	340-70	1	Nut-Lock
9	104-5472	1	Tube ASM	30	56-7973	2	Clamp-Tube
9:1	340-65	1	O-Ring	31	322-6	1	Screw-HH
10	105-3861	1	Tube ASM	32	3256-23	2	Washer-Flat
11	105-3915	1	Tube ASM	33	3296-29	1	Nut-Lock, NI
12	104-5489	1	Tube ASM	34	354-79	2	Cap-Dust
14	105-3866	1	Tube ASM	35	340-86	1	Fitting-HYD, Tee
15	104-5470	1	Tube ASM	35:1	237-22	2	O-Ring
16	105-3984	1	Tube ASM	35:2	237-42	1	O-Ring
17	105-3865	1	Tube ASM				
18	104-5462	1	Tube ASM				
19	104-5468	1	Tube ASM				
20	104-5473	1	Tube ASM				
20:1	340-65	1	O-Ring				
21	92-7534	1	Hose ASM				



Steering Hydraulic Line Assembly

Ref	Part No.	Qty.	Description
1	105-3871	1	Tube ASM
1:1	237-22	1	O-Ring
2	105-3870	1	Tube ASM
2:1	237-22	1	O-Ring
3	105-3887	1	Tube ASM
4	340-68	1	Fitting-Tee, Bulkhead
4:1	237-22	3	O-Ring
5	105-3886	1	Tube ASM
6	94-3060	1	HYD Tube ASM
●6:1	237-22	1	O-Ring
7	94-3071	1	HYD Tube ASM
●7:1	237-22	1	O-Ring
8	94-3059	1	HYD Tube ASM
●8:1	237-22	1	O-Ring
9	94-3061	1	HYD Tube ASM
●9:1	237-22	1	O-Ring
10	94-3062	1	HYD Tube ASM
11	104-5485	1	Tube ASM
12	92-7606-03	1	Bracket-Bulkhead
13	105-9817	1	Hose ASM
14	92-7539	1	Hose ASM
15	105-3873-03	1	Bracket-Mount, Clamp
16	340-117	1	Cap
19	340-70	7	Nut-Lock

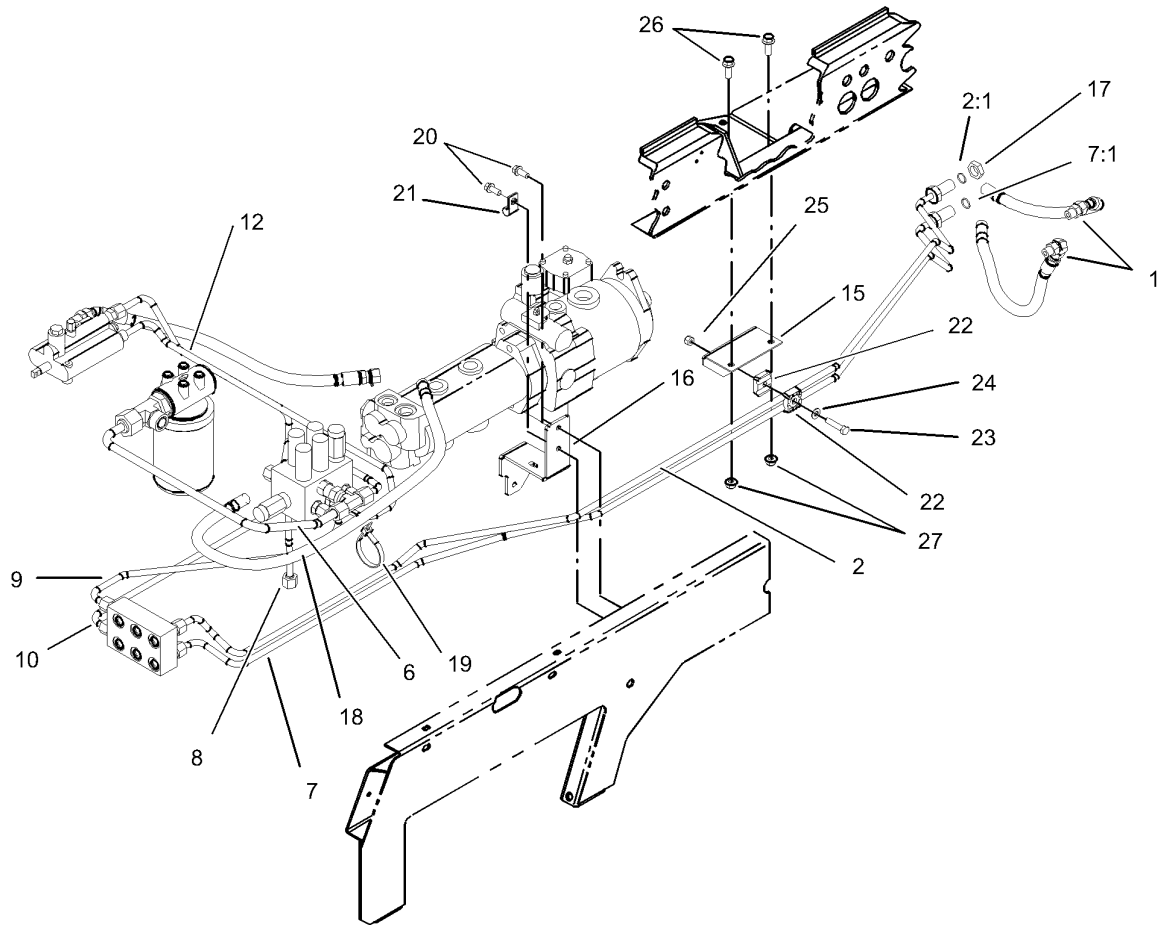
Ref	Part No.	Qty.	Description
20	56-7973	14	Clamp-Tube
32	322-6	3	Screw-HH
33	322-7	4	Screw-HH
34	3296-47	2	Nut-Lock, NI
37	32128-20	2	Nut-HF
38	3234-5	7	Screw-HHF
39	3256-23	7	Washer-Flat
40	3296-29	4	Nut-Lock, NI



Mow Block Hydraulic Line Assembly

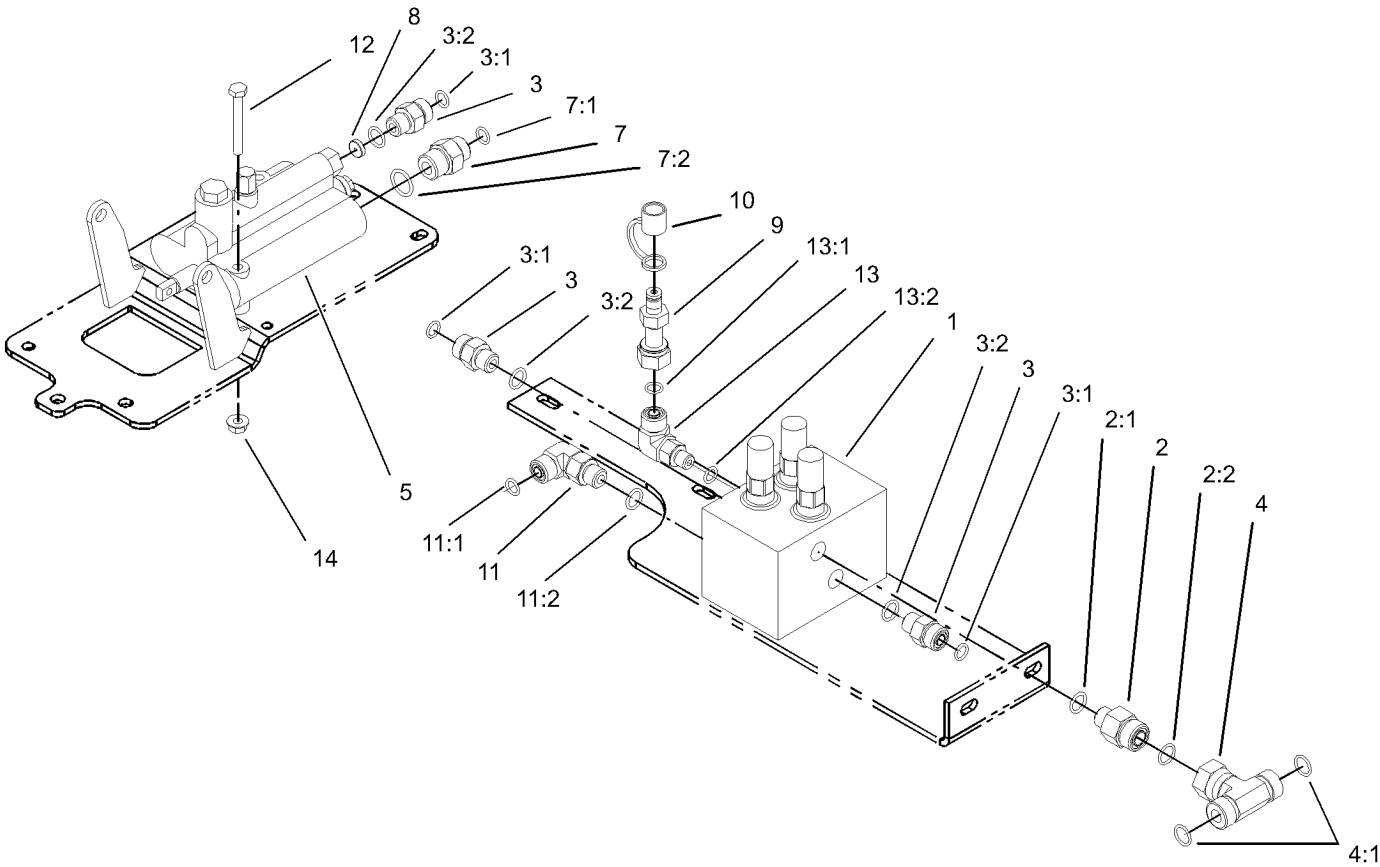
Ref	Part No.	Qty.	Description
1	104-5483	2	Hose ASM
2	104-5488	1	Tube ASM
2:1	340-65	1	O-Ring
5	105-9862	1	Tube ASM
5:1	237-22	2	O-Ring
6	105-3895	1	Tube ASM
6:1	237-65	1	O-Ring
7	105-3885	1	Tube ASM
8	105-3893	1	Tube ASM
8:1	237-65	1	O-Ring
9	105-3894	1	Tube ASM
9:1	237-65	1	O-Ring
10	69-9000	9	Spacer
11	240-3	9	Grommet-Rubber
12	340-74	9	Locknut-Bulkhead
13	69-9010	18	Washer
14	340-68	1	Fitting-Tee, Bulkhead
14:1	237-22	3	O-Ring
15	105-3914	1	Tube ASM
15:1	237-22	1	O-Ring
16	105-3913	1	Tube ASM
16:1	237-22	2	O-Ring
17	105-3902	1	Tube ASM
17:1	237-65	1	O-Ring

Ref	Part No.	Qty.	Description
18	105-3911	1	Tube ASM
19	105-3901	1	Tube ASM
19:1	237-65	2	O-Ring
21	105-3900	1	Tube ASM
21:1	237-65	2	O-Ring
23	104-5481	1	Tube ASM
23:1	340-65	1	O-Ring
24	340-154	2	Union-Bulkhead
24:1	237-22	2	O-Ring
25	56-7971	4	Clamp-Tube
26	340-128	2	Nut-Bulkhead
27	340-70	4	Nut-Lock
28	322-8	1	Screw-HH
29	3256-23	4	Washer-Flat
30	3296-29	2	Nut-Lock, NI
31	322-13	1	Screw-HH
32	56-7973	2	Clamp-Tube
33	340-72	1	Fitting-Bulkhead, 90 DEG
33:1	237-65	2	O-Ring



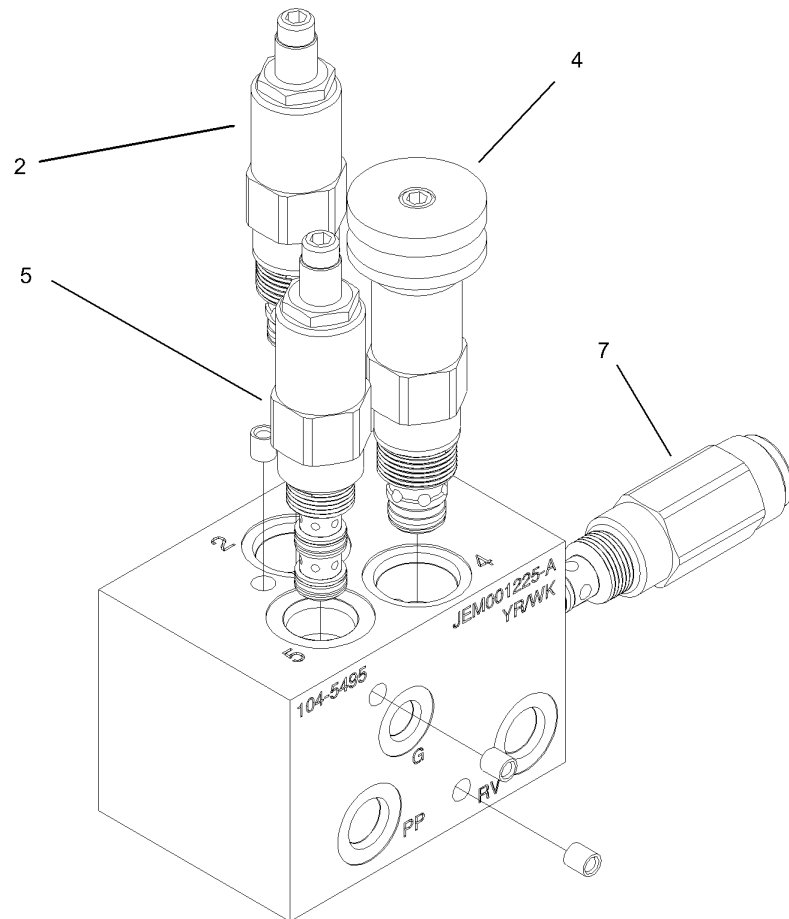
Lift Hydraulic Line Assembly

Ref	Part No.	Qty.	Description				
1	105-9238	4	Hose ASM				
2	105-3988	1	Tube ASM				
2:1	237-22	1	O-Ring				
6	105-3860	1	Tube ASM				
7	105-3989	1	Tube ASM				
7:1	237-22	1	O-Ring				
8	105-3928	1	Tube ASM				
9	105-3916	1	Tube ASM				
10	105-3917	1	Tube ASM				
12	105-9249	1	Tube ASM				
15	105-3990-03	1	Bracket-Support, Tube				
16	105-3993-03	1	Bracket-Support, Tube				
17	340-70	2	Nut-Lock				
18	105-9838	1	Hose ASM				
19	3334-945	1	Tie-Cable				
20	32144-14	2	Screw-HWH				
21	2412-138	1	R-Clamp				
22	56-7973	2	Clamp-Tube				
23	322-7	1	Screw-HH				
24	3256-23	1	Washer-Flat				
25	3296-29	1	Nut-Lock, NI				
26	3234-11	2	Screw-HHF				
27	104-8301	2	Nut-Flange, NI				



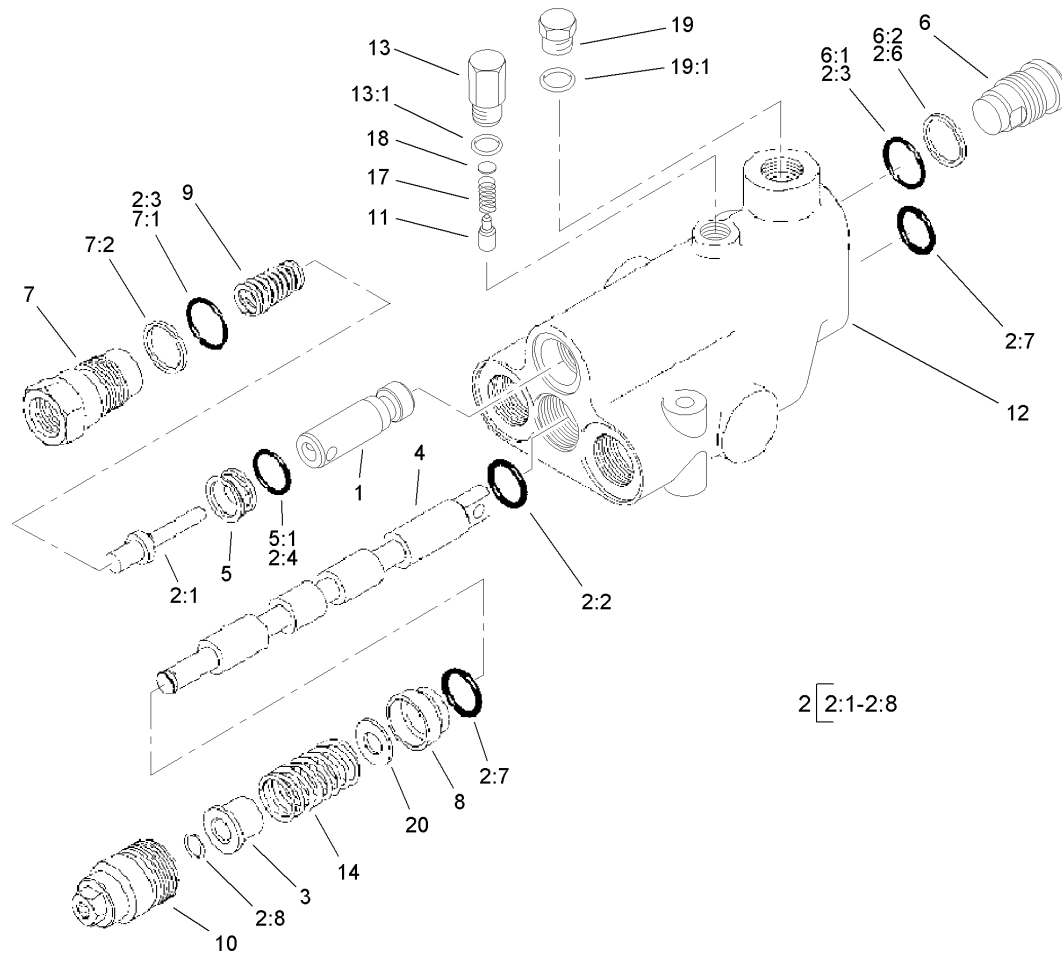
Lift Valve and Counter Balance Assembly

Ref	Part No.	Qty.	Description				
1	104-5495	1	Manifold ASM				
2	340-5	1	Fitting-Straight				
2:1	237-42	1	O-Ring				
2:2	237-30	1	O-Ring				
3	340-2	3	Fitting-Straight, HYD				
3:1	237-22	1	O-Ring				
3:2	237-42	1	O-Ring				
4	93-6810	1	Fitting-Tee				
4:1	237-30	2	O-Ring				
5	104-5494	1	Valve-Spool, Single				
7	340-3	2	Adapter				
7:1	237-22	1	O-Ring				
7:2	237-79	1	O-Ring				
8	105-9807	1	Orifice				
9	86-5480	1	Nipple-Test				
10	354-79	1	Cap-Dust				
11	340-77	1	Fitting-HYD, 90 DEG				
11:1	237-22	1	O-Ring				
11:2	237-42	1	O-Ring				
12	321-11	2	Screw-HH				
13	340-97	1	Fitting-HYD, 90 DEG				
13:1	237-22	1	O-Ring				
13:2	237-78	1	O-Ring				
14	32128-33	2	Nut-HF				



Manifold Assembly No. 104-5495

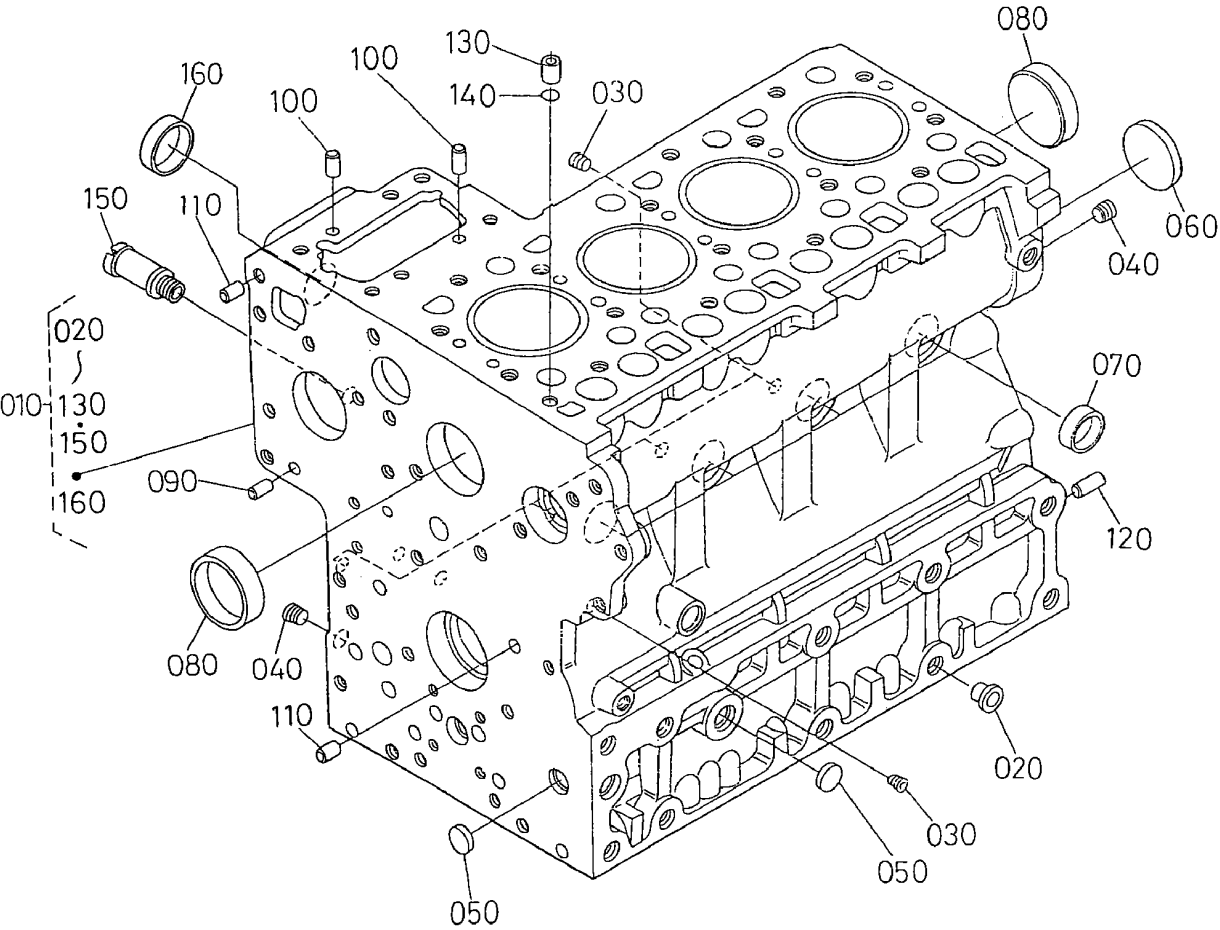
Ref	Part No.	Qty.	Description				
2	105-9161	1	Relief-Operated, Pilot				
①2:1	105-9151	1	Seal Kit				
4	105-9162	1	Relief-Operated, Pilot				
①4:1	105-9151	1	Seal Kit				
5	105-9163	1	Valve-Pilot Sequence, EXT				
①5:1	105-9164	1	Seal Kit				
7	105-9844	1	Valve-Relief				
①7:2	105-9156	1	Seal Kit				



Single Spool Valve Assembly No. 104-5494

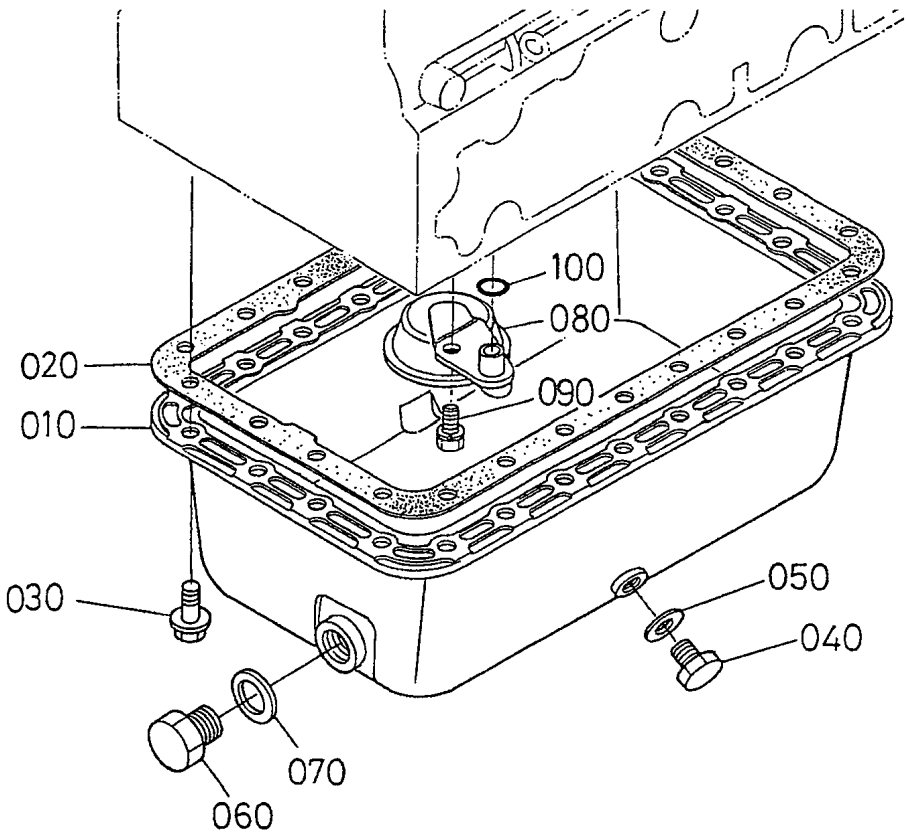
Ref	Part No.	Qty.	Description
1	84-6420	1	Plunger
2	99-3589	1	Seal Kit
2:1	58-6290	2	Poppet
2:2	58-6320	1	Wiper
2:3	60-5720	2	O-Ring
2:4	58-6340	2	O-Ring
2:5	93-6314	1	O-Ring
2:6	58-6370	2	Washer
2:7	58-6450	2	O-Ring
2:8	58-6460	1	Ring-Retaining
3	58-6310	1	Spacer
4		1	Spool
5	58-6330	1	Seat
5:1	58-6340	1	O-Ring
6	58-6350	1	Plug
6:1	60-5720	1	O-Ring
6:2	58-6370	1	Washer
7	69-1800	1	Plug ASM
7:1	60-5720	1	O-Ring
7:2	58-6370	1	Washer
8	58-6400	1	Bushing
9	69-1810	1	Spring
10	58-6420	1	Cap
11	58-6770	1	Plunger

Ref	Part No.	Qty.	Description
12		1	Body
13	58-6780	1	Plug
13:1	58-6790	1	O-Ring
14	58-6730	1	Spring
17	58-6760	1	Spring
18	60-6450	1	Disc
19	353-508	1	Plug
19:1	237-42	1	O-Ring
20	65-2770	1	Washer



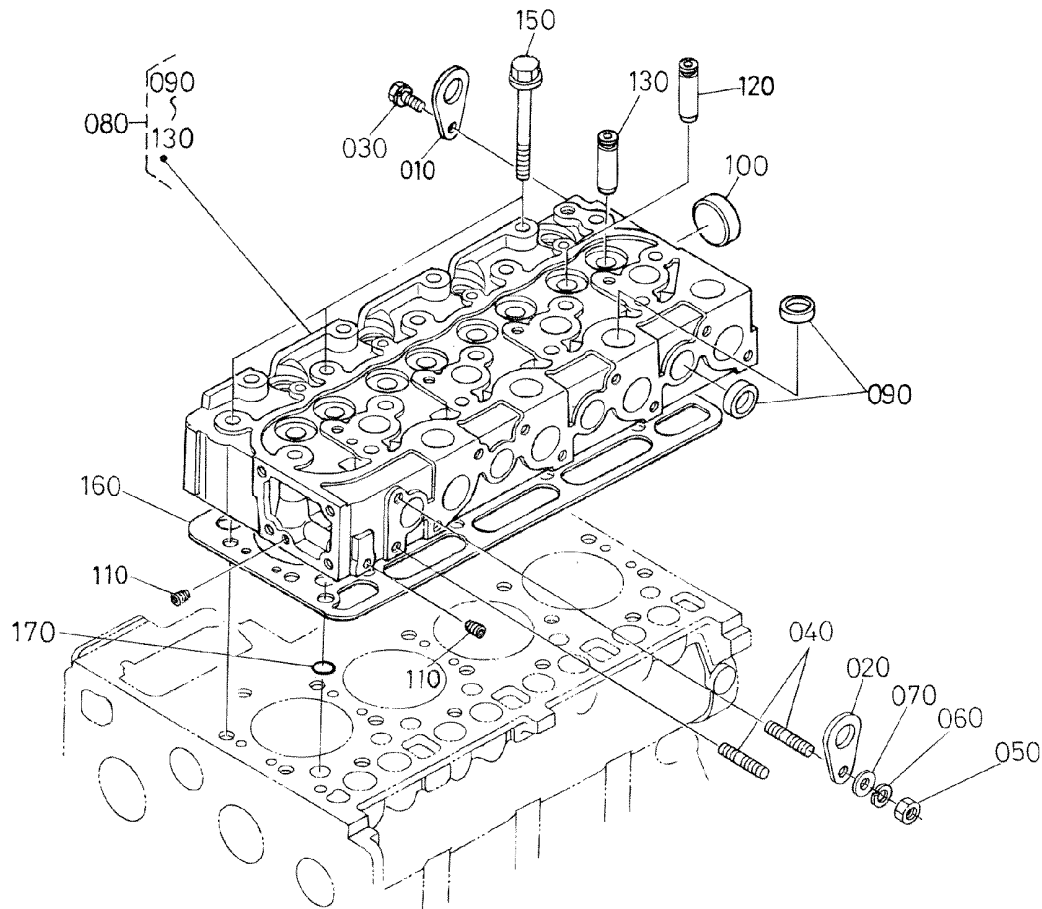
Crankcase Assembly

Ref	Part No.	Qty.	Description				
10	100-9150	1	Crankcase				
20	98-7486	2	Plug				
30	98-7487	6	Plug				
40	107-0107	2	Plug				
50	98-7489	3	Plug				
60	98-7490	1	Plug				
70	98-7500	6	Cap-Sealing				
80	98-7501	2	Cap-Sealing				
90	98-7502	2	Pin-Straight				
100	98-7503	2	Pin-Straight				
110	98-7504	2	Pin-Straight				
120	98-7505	1	Pin-Straight				
130	98-7506	1	Pin-Pipe				
140	98-7509	1	O-Ring				
150	100-9153	1	Pipe-Return, Water				
160	105-2883	1	Cap-Sealing				



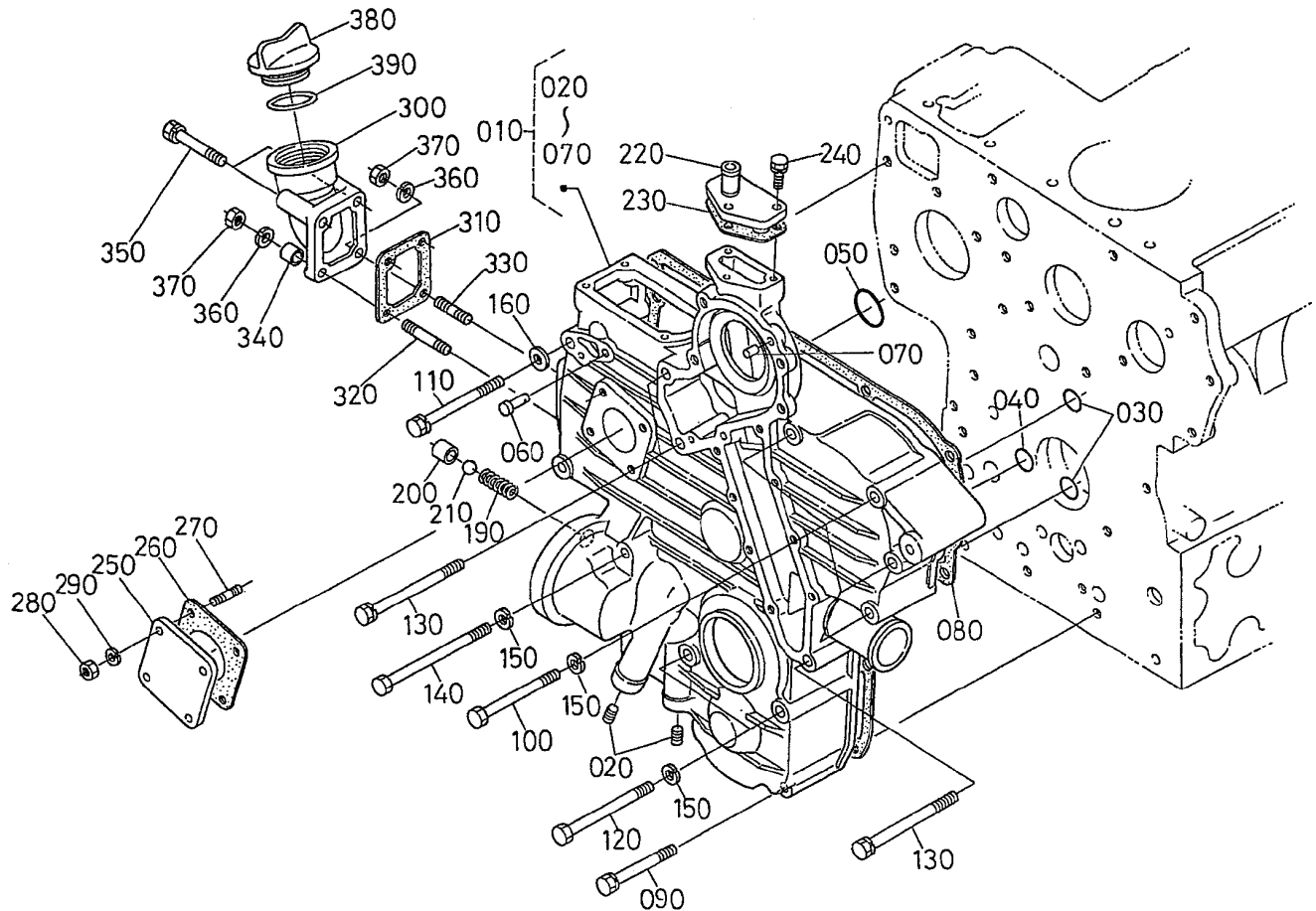
Oil Pan Assembly

Ref	Part No.	Qty.	Description				
10	98-7520	1	Pan-Oil				
20	98-7521	1	Gasket				
30	98-7522	24	Bolt-Flange				
40	98-9386	1	Plug				
50	98-7524	1	Gasket				
60	98-7529	1	Plug-Drain				
70	98-7528	1	O-Ring				
80	98-7525	1	Filter-Oil				
90	100-9192	1	*obs* Bolt				
100	107-0101	1	O-Ring				



Cylinder Head Assembly

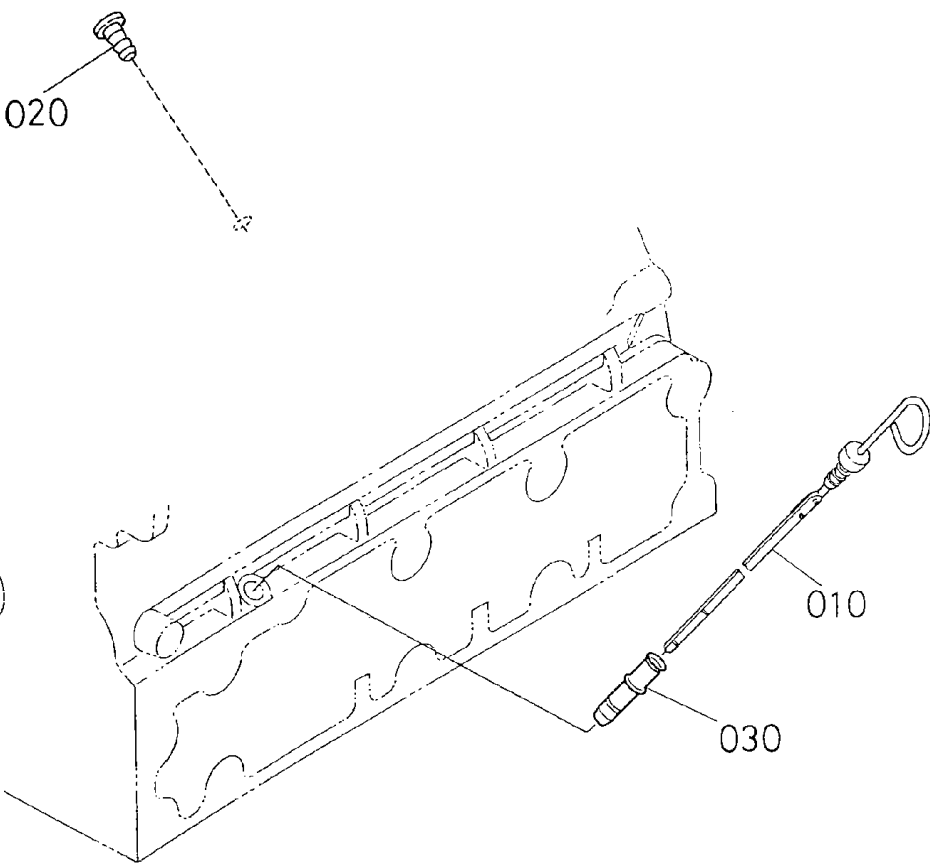
Ref	Part No.	Qty.	Description				
10	98-7530	1	Hook-Engine				
20	98-7531	1	Hook-Engine				
30	100-9192	1	*obs* Bolt				
40	98-7533	2	Stud				
50	100-1559	1	Nut-Manifold, Exhaust				
60	105-2893	1	Washer-Spring				
70	98-7536	1	Washer-Plain				
80	100-9159	1	Head-Cylinder				
90	98-7538	12	Cap-Sealing				
100	98-7539	1	Cap-Sealing				
110	98-7540	2	Plug				
120	98-7541	4	Guide-Valve, Intake				
130	98-7542	4	Guide-Valve, Exhaust				
150	98-7543	18	Bolt-Head, Cylinder				
160	100-9160	1	Gasket-Head, Cylinder				
170	98-7509	1	O-Ring				



Gear Case Assembly

Ref	Part No.	Qty.	Description
10	100-9161	1	Gearcase ASM
20	107-0108	2	Plug
30	107-0104	2	O-Ring
40	107-0105	1	O-Ring
50	107-0106	1	O-Ring
60	98-7550	1	Pin-Spring, Start
70	98-7504	2	Pin-Straight
80	98-7552	1	Packing-Case, Gear
90	98-7553	2	Bolt
100	99-8336	5	Bolt
110	98-7555	1	Bolt
120	98-7556	2	Bolt
130	98-7557	3	Bolt
140	98-7558	2	Bolt
150	105-2893	9	Washer-Spring
160	98-7536	1	Washer-Plain
190	98-7563	1	Spring
200	98-7564	1	Seat-Valve
210	98-7565	1	Ball
220	98-7566	1	Flange-Return, Water
230	98-7567	1	Gasket
240	98-7568	3	Bolt
250	98-7569	1	Cover
260	98-7570	1	Gasket-Unit, H/Meter

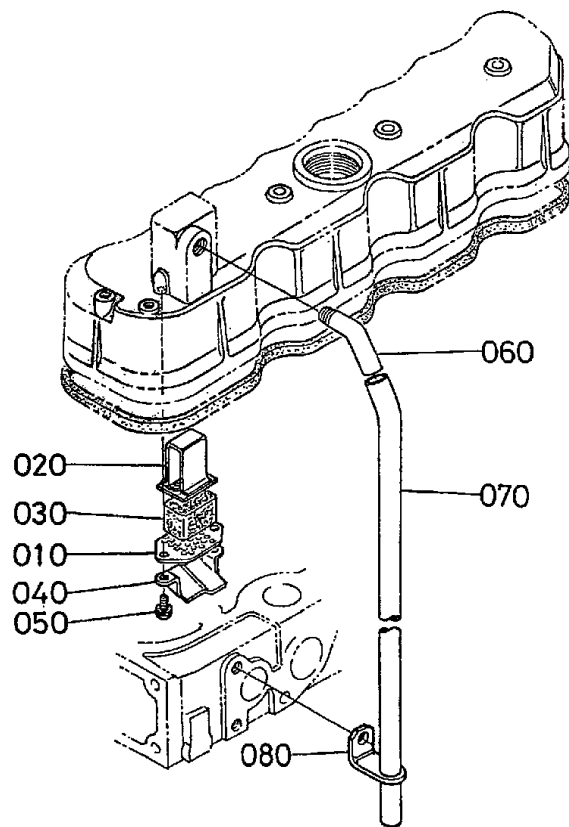
Ref	Part No.	Qty.	Description
270	98-7571	4	Stud
280	98-7572	4	Nut
290	98-7699	4	Washer-Spring
300	100-9162	1	Flange-Filter, Oil
310	100-9163	1	Gasket
320	98-7571	1	Stud
330	100-9164	1	Stud
340	100-9165	1	Collar
350	98-7496	2	Bolt
360	98-7699	2	Washer-Spring
370	98-7572	2	Nut
380	98-7429	1	Plug-Filter, Oil
390	107-0102	1	O-Ring



Dipstick and Guide Assembly

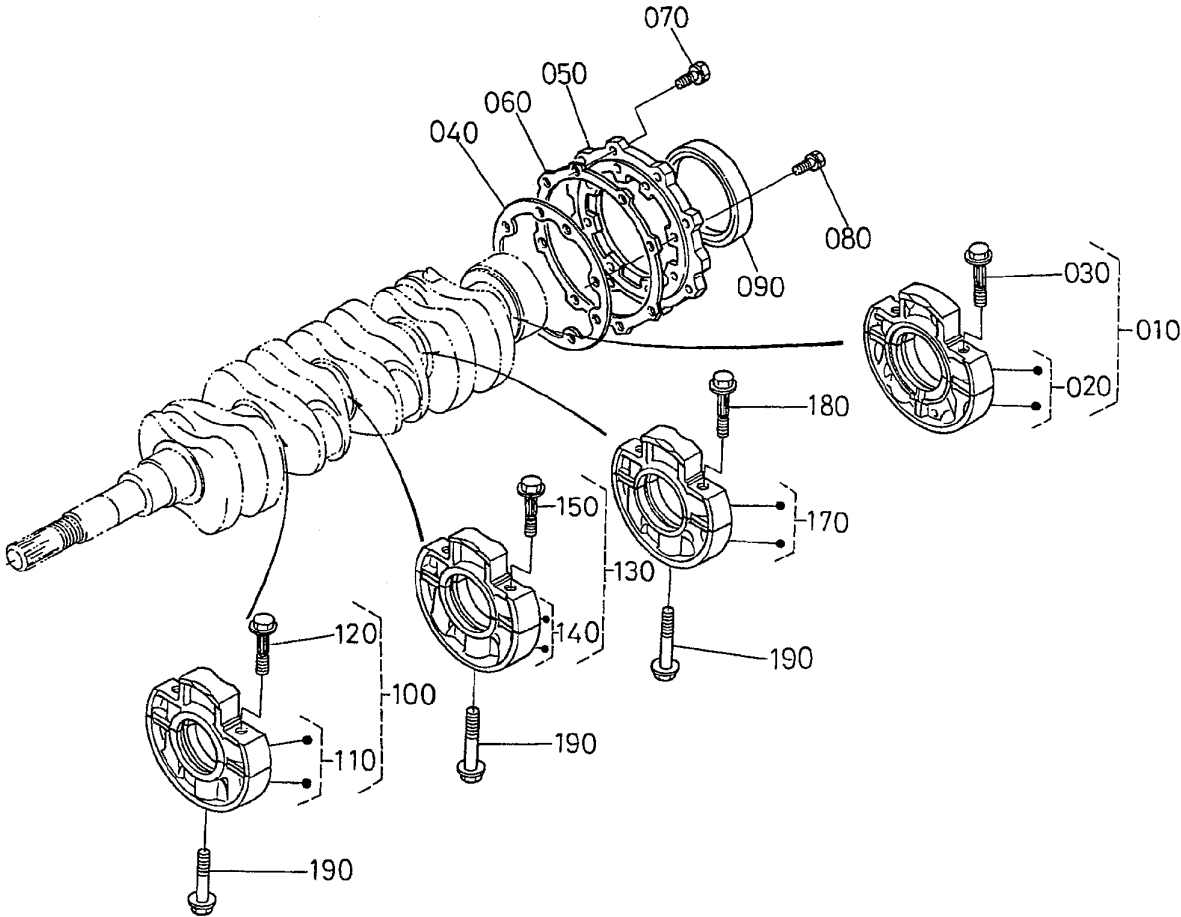
Ref	Part No.	Qty.	Description
10	105-4579	1	Gauge-Oil
20	100-9169	1	Plug-Gauge, Oil
30	105-4580	1	Guide





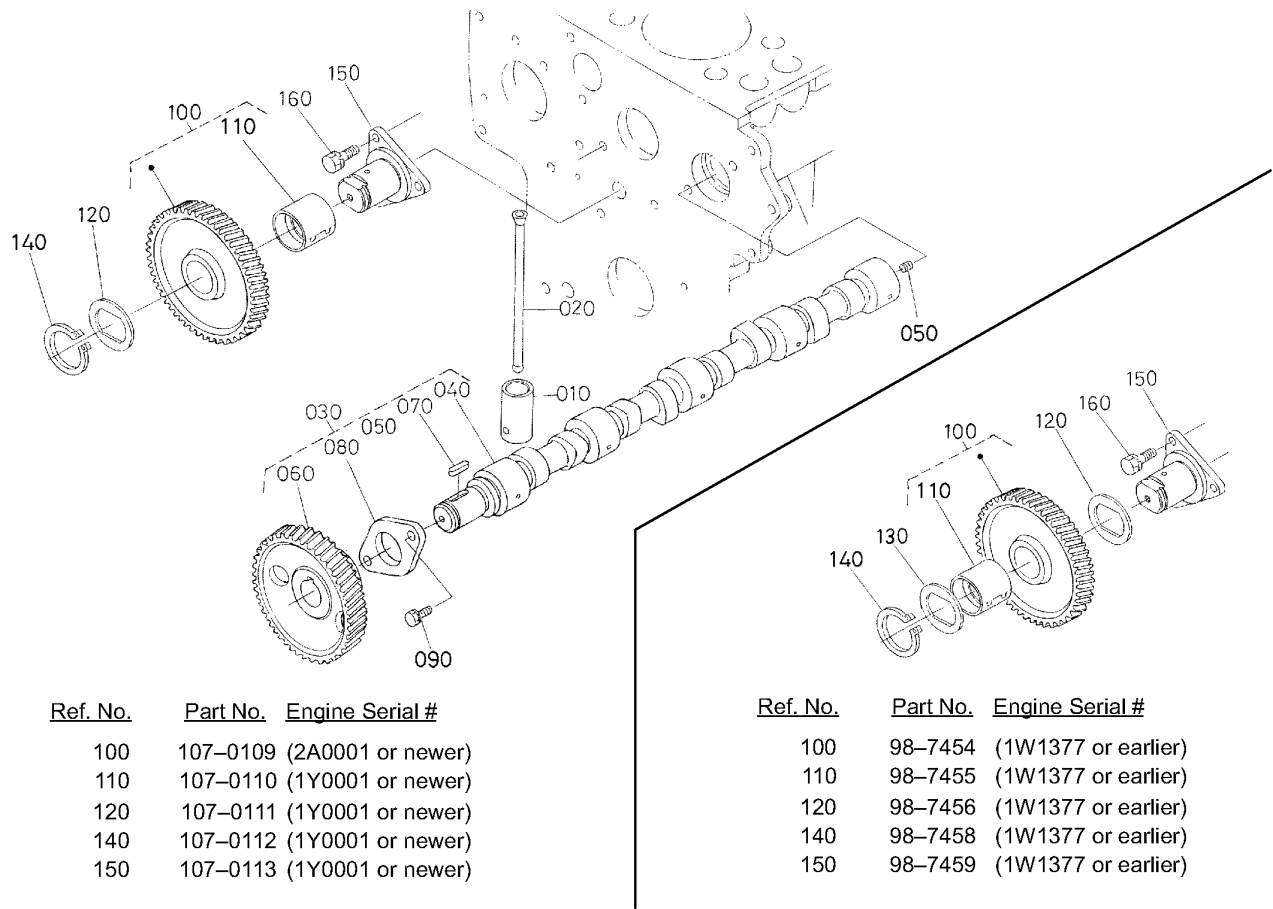
Breather Assembly

Ref	Part No.	Qty.	Description
10	98-7417	1	Plate-Element
20	98-7418	1	Plate-Element
30	98-7419	1	Element-Breather
40	98-7420	1	Shield-Breather, Oil
50	98-7421	2	Screw W/Washer
60	98-7422	1	Joint-Pipe, Breather
70	98-7423	1	Pipe-Breather
80	98-7424	1	Clamp-Pipe



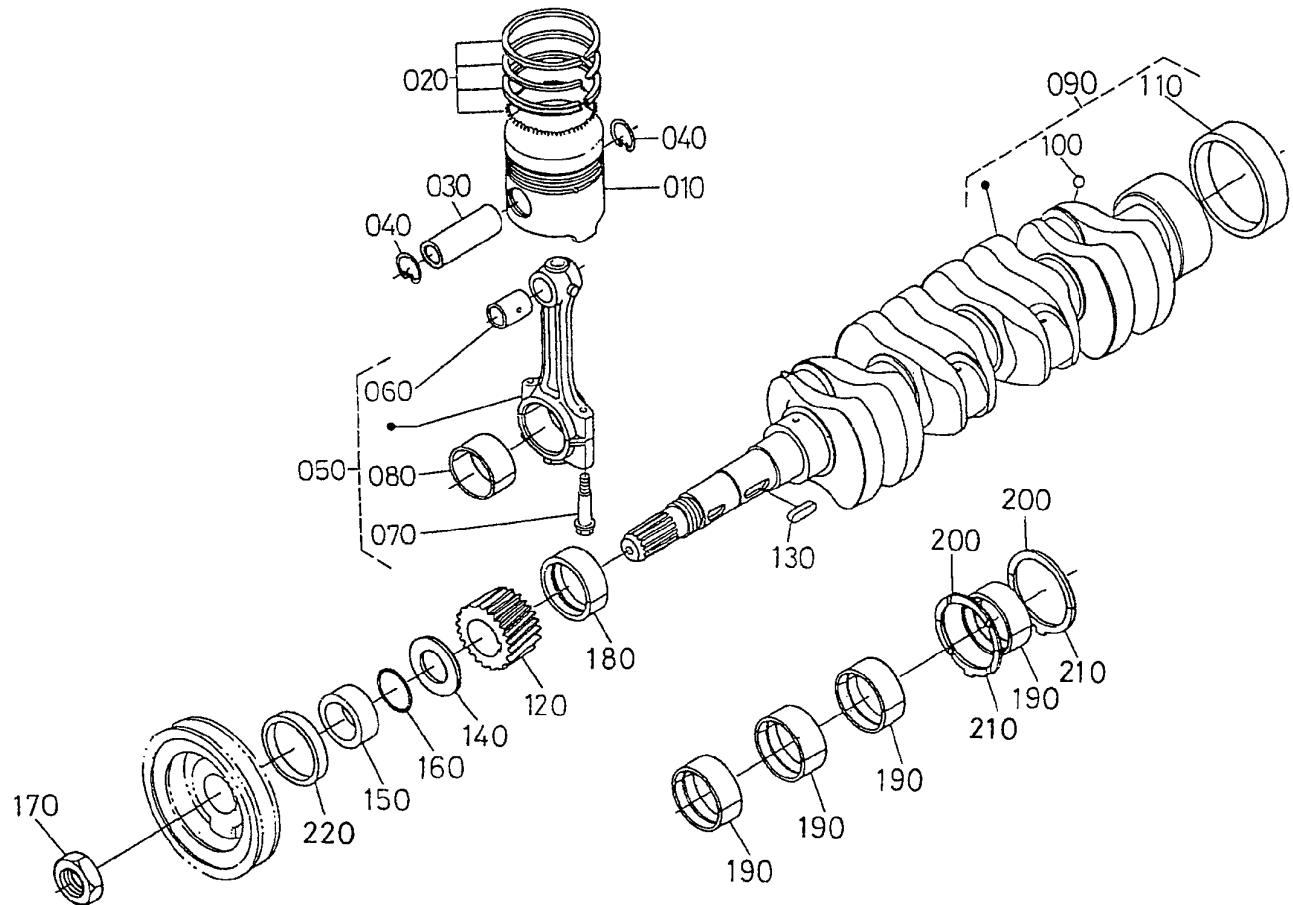
Main Bearing Case

Ref	Part No.	Qty.	Description				
10	100-9172	1	Wheel Bearing Case ASM				
20	100-9173	1	Bearing Case ASM				
30	98-7434	2	Bolt-Case, Bearing				
40	98-7435	1	Gasket-Case, Bearing				
50	98-7436	1	Cover-Case, Bearing				
60	98-7437	1	Gasket-Case Cover, Bearing				
70	98-7438	8	Bolt				
80	98-7439	8	Bolt				
90	98-7440	1	Seal-Oil				
100	100-9174	1	Main Bearing Case ASM				
110	100-9175	1	Bearing Case ASM				
120	98-7434	2	Bolt-Case, Bearing				
130	100-9176	1	Main Bearing Case ASM				
140	100-9177	1	Bearing Case ASM				
150	98-7434	2	Bolt-Case, Bearing				
170	100-9178	1	Bearing Case ASM				
180	98-7434	2	Bolt-Case, Bearing				
190	98-7444	3	Bolt-Case, Bearing				



Camshaft and Idler Gear Shaft Assembly

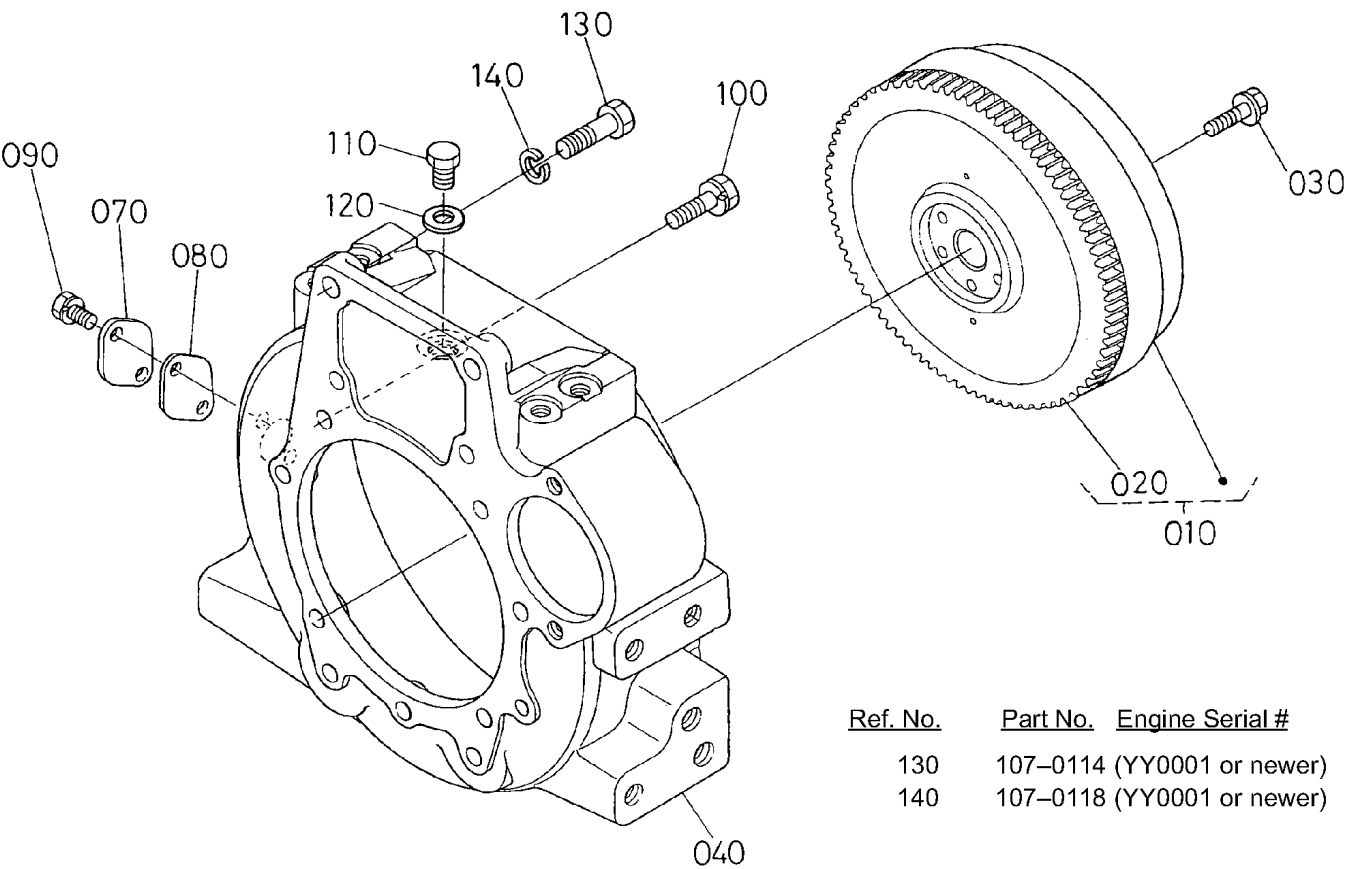
Ref	Part No.	Qty.	Description
10	98-7445	8	Tappet
20	98-7446	8	Rod-Push
30	100-9179	1	Camshaft ASM
40	100-9180	1	Camshaft
50	98-7449	1	Screw-Set
60	98-7450	1	Gear-Camshaft
70	98-7451	1	Key-Feather
80	98-7452	1	Stopper-Camshaft
90	98-7453	2	Bolt
100	98-7454	1	Gear-Idler, Complete
100	107-0109	1	Gear-Idler, Complete
110	98-7455	1	Bushing-Gear, Idler
110	107-0110	1	Bushing-Idler Gear
120	98-7456	1	Collar
120	107-0111	1	Collar
130	98-7457	1	Collar
140	98-7458	1	Clip-Cir., External
140	107-0112	1	Clip-Cir., External
150	98-7459	1	Shaft-Gear, Idler
150	107-0113	1	Shaft-Gear, Idler
160	98-7453	3	Bolt



Piston and Crankshaft Assembly

Ref	Part No.	Qty.	Description
10	99-5435	1	Piston (.50Mm)
10	100-9181	4	Piston-STD
20	100-9182	4	Piston Ring ASM (STD)
20	99-5436	1	Piston Ring ASM (0.50Mm)
30	98-7464	4	Pin-Piston
40	98-7465	8	Clip-Pin, Piston
50	98-7466	4	Connecting Rod ASM
60	98-7467	4	Bushing-Pin, Piston
70	98-7468	8	Bolt-Rod, Connecting
80	98-7470	4	Metal-Crankpin (-0.20Mm)
80	98-7471	4	Metal-Crankpin (-0.40Mm)
80	98-7469	4	Metal-Crankpin (STD)
90	98-7472	1	Crankshaft-Complete
100	98-7473	4	Ball
110	98-7474	1	Sleeve-Crankshaft
120	98-7475	1	Gear-Crankshaft
130	98-7451	1	Key-Feather
140	98-7476	1	Slinger-Oil
150	98-7477	1	Collar-Crankshaft
160	98-7478	1	O-Ring
170	98-7479	1	Nut-Crankshaft
180	98-7481	1	Metal-Crankshaft (STD)
180	98-7482	1	Metal-Crankshaft (-0.20Mm)
180	98-7483	1	Metal-Crankshaft (-0.40Mm)

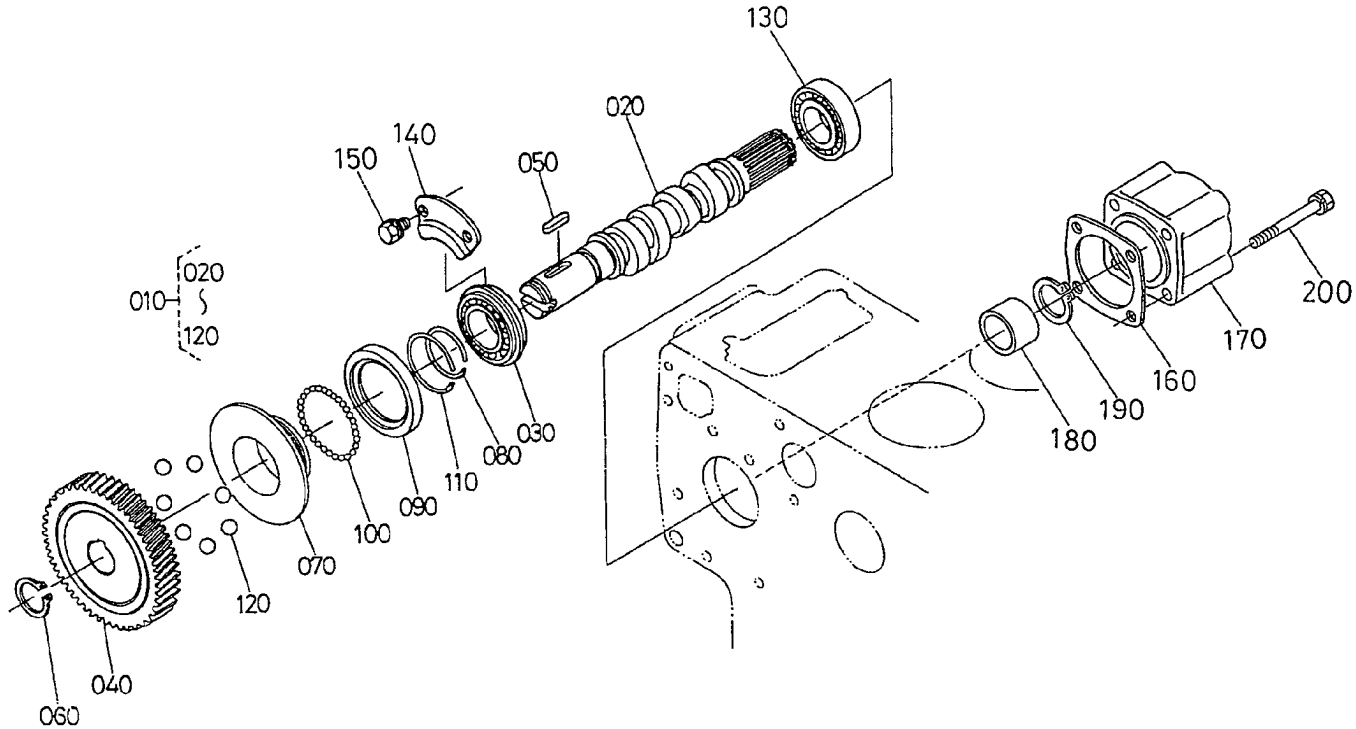
Ref	Part No.	Qty.	Description
190	98-7484	4	Metal-Crankshaft (STD)
190	99-6862	4	Metal-Crankshaft (-0.20Mm)
190	99-6863	4	Metal-Crankshaft (-0.40Mm)
200	99-6864	2	Metal-Side (STD)
200	98-9414	2	Bearing-Thrust (0.2Mm)
200	98-9415	2	Bearing-Thrust (0.4Mm)
210	99-6867	2	Metal-Side (STD)
210	98-9689	2	Bearing-Thrust (0.2Mm)
210	99-6869	2	Metal-Side, O/S (0.4Mm)
220	98-7480	1	Seal-Oil



Ref. No.	Part No.	Engine Serial #
130	107-0114 (YY0001 or newer)	
140	107-0118 (YY0001 or newer)	

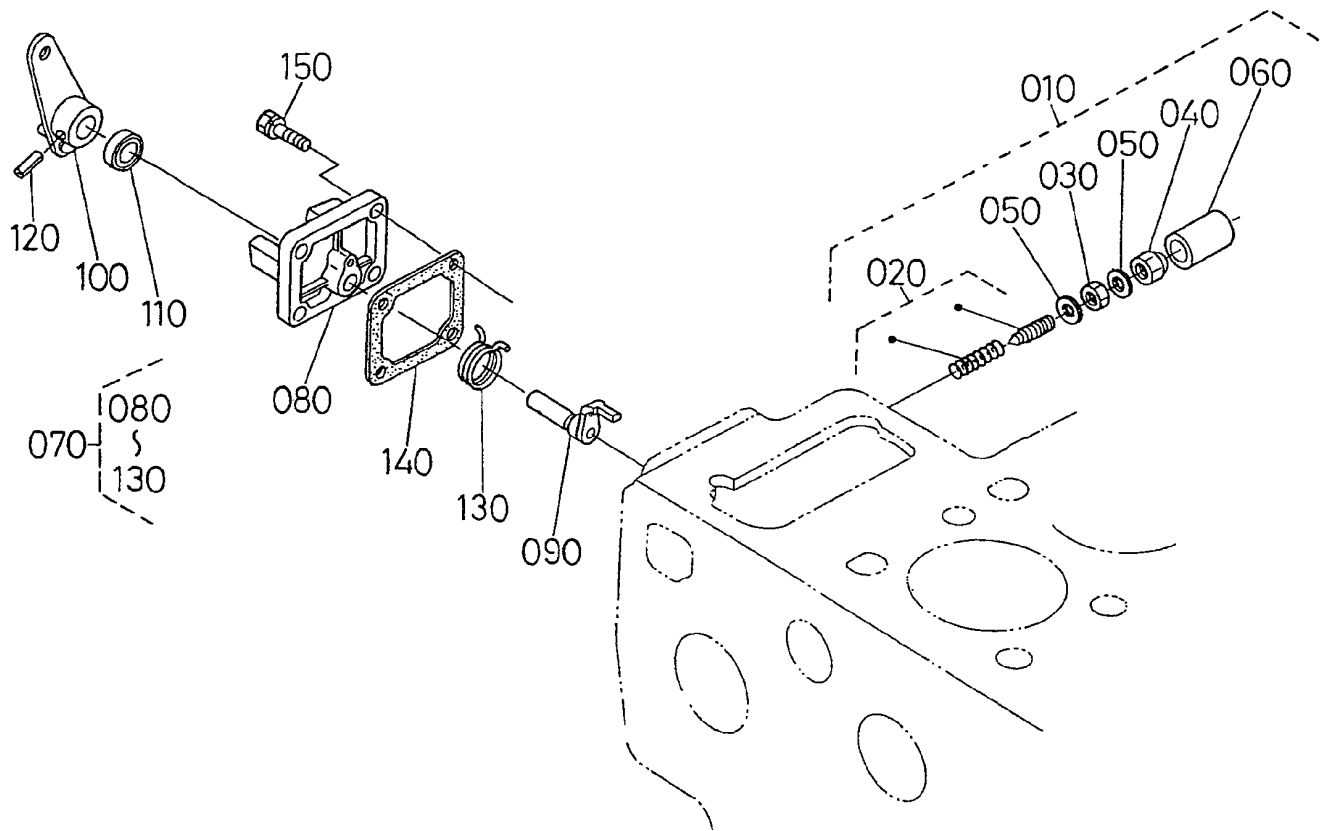
Flywheel Assembly

Ref	Part No.	Qty.	Description				
10	98-7532	1	Flywheel				
20	98-7560	1	Gear-Ring				
30	98-7573	6	Bolt-Flywheel				
40	98-7559	1	Housing-Flywheel				
70	98-7883	1	Cover				
80	98-7886	1	Gasket				
90	105-4577	2	Bolt				
100	98-7885	11	Bolt				
110	98-7546	1	Plug				
120	100-9194	1	Washer-Plain				
130	107-0114	2	Bolt				
140	107-0118	2	Washer-Spring				



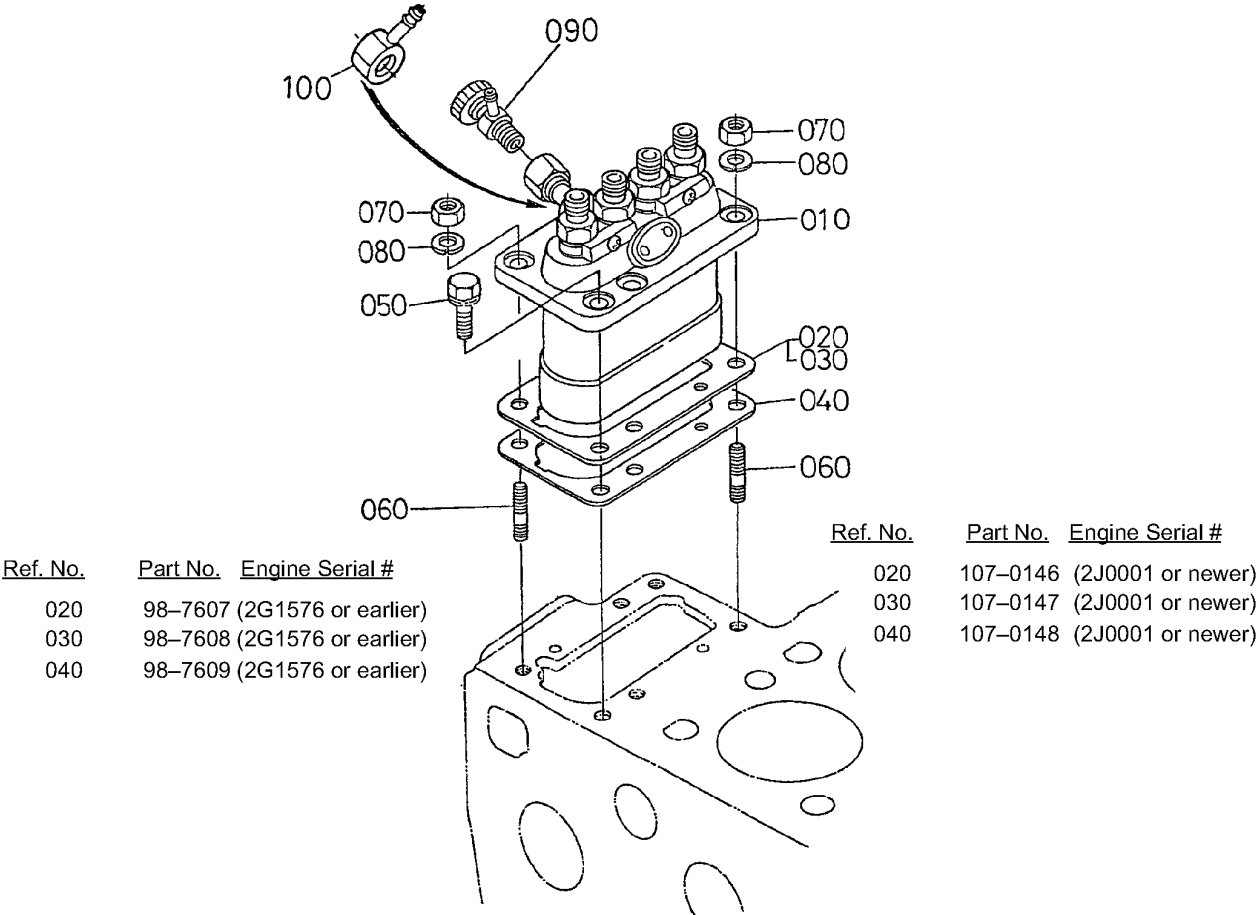
Fuel Camshaft and Governor Shaft Assembly

Ref	Part No.	Qty.	Description				
10	98-7551	1	Fuel Camshaft ASM				
20	98-7508	1	Camshaft-Fuel				
30	98-7595	1	Bearing-Ball				
40	98-7574	1	Gear-Pump, Injection				
50	98-7575	1	Key-Feather				
60	98-7576	1	Clip-Cir., External				
70	98-7577	1	Sleeve-Governor				
80	98-7578	1	Clip-Cir., Governor Sleeve				
90	98-7579	1	Case-Ball, Governor				
100	98-7580	39	Ball				
110	98-7581	1	Clip-Cir.				
120	98-7582	7	Ball				
130	98-7583	1	Bearing-Ball				
140	98-7584	1	Stopper				
150	100-9195	2	Bolt				
160	98-7588	1	Gasket				
170	98-7586	1	Cover-Fuel, Camshaft				
180	98-7587	1	Collar				
190	98-7589	1	Clip-Cir., External				
200	98-7590	4	Bolt				



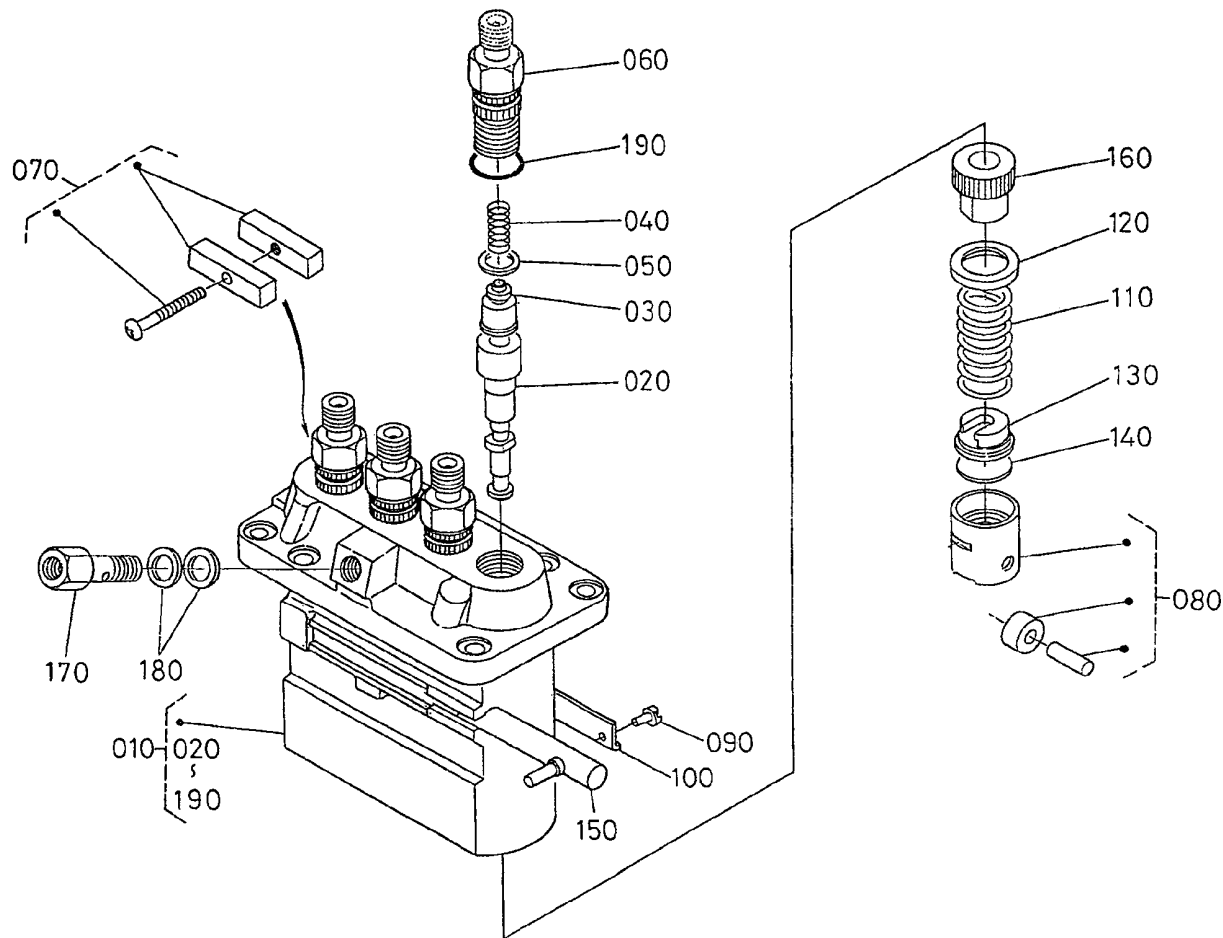
Engine Stop Lever Assembly

Ref	Part No.	Qty.	Description				
10	98-7591	1	I/D Appartus ASM				
20	98-7592	1	Adjusting Bolt ASM				
30	98-7593	1	Nut				
40	98-7594	1	Nut-Cap				
50	98-7428	2	Gasket				
60	98-7596	1	Cap				
70	100-9198	1	Engine Stop Lever ASM				
80	98-7598	1	Cover-Pump, Injection				
90	100-9200	1	Shaft-Lever				
100	98-7600	1	Lever-Stop, Engine				
110	98-7601	1	Seal-Oil				
120	98-7602	1	Pin-Spring				
130	98-7603	1	Spring-Return				
140	98-7604	1	Gasket-Cover, Pump				
150	98-7605	4	Bolt				



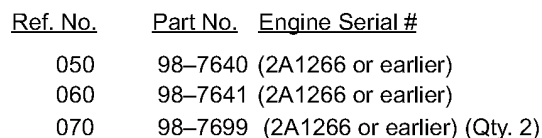
Injection Pump Assembly

Ref	Part No.	Qty.	Description				
10	100-9201	1	Injection Pump ASM				
20	107-0146	1	Shim				
20	98-7607	1	Shim				
30	107-0147	1	Shim				
30	98-7608	1	Shim				
40	107-0148	1	Shim				
40	98-7609	1	Shim-Pump, Injection				
50	98-7610	4	Bolt				
60	100-1558	2	Stud-Manifold, Exhaust				
70	98-7534	2	Nut				
80	105-2893	2	Washer-Spring				
90	100-9202	1	Jet Start Cock ASM				
100	98-7617	1	Joint				

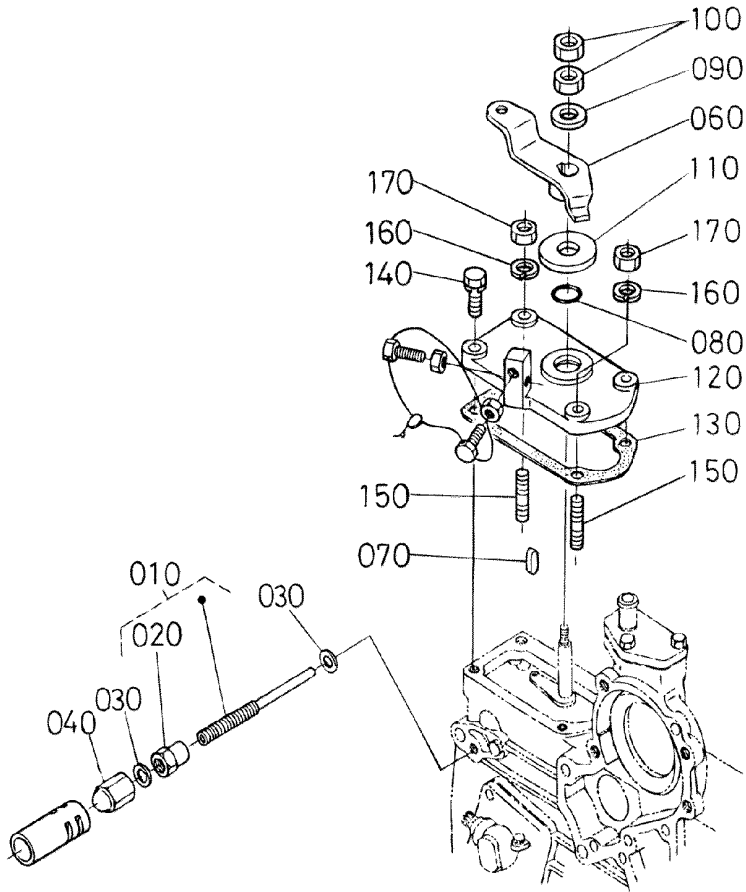


Injection Pump Component Parts Assembly

Ref	Part No.	Qty.	Description				
10	100-9201	1	Injection Pump ASM				
20	98-7619	4	Plunger-Pump				
30	98-7620	4	Valve-Delivery				
40	98-7621	4	Spring-Valve, Delivery				
50	98-7622	4	Gasket-Valve, Delivery				
60	98-7623	4	Holder-Valve, Delivery				
70	98-7624	2	Lock Plate ASM				
80	98-7625	4	Tappet ASM				
90	98-7626	4	Pin-Guide, Tappet				
100	98-7627	2	Plate				
110	98-7628	4	Spring-Plunger				
120	98-7629	4	Seat-Spring, Upper				
130	98-7630	4	Seat-Spring, Lower				
140	98-7631	4	Shim				
150	98-7632	1	Rack-Control				
160	98-7634	4	Sleeve-Control				
170	98-7635	1	Screw				
180	98-7636	2	Gasket				
190	98-7637	4	O-Ring				

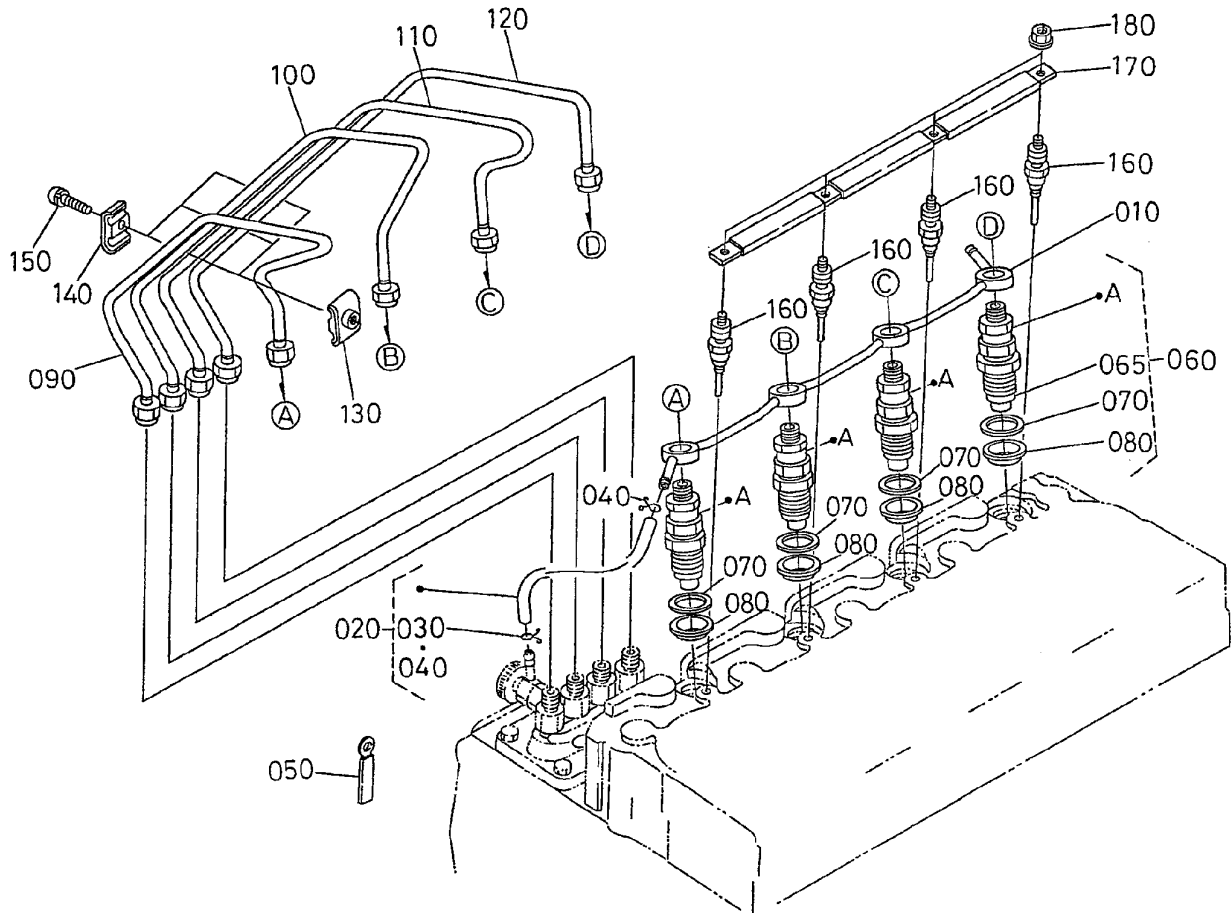


Ref	Part No.	Qty.	Description
10	98-7638	1	Lever-Governor
20	100-9204	1	Lever-Fork
30	100-9205	1	Lever-Fork
40	100-9206	1	Lever-Fork
50	107-0120	1	Shaft-Lever, Fork
50	98-7640	1	Shaft-Lever, Fork
60	107-0116	1	Bolt-Flange
60	98-7641	1	Bolt-Shaft, Lever
70	98-7699	3	Washer-Spring
80	98-7643	1	Holder-Lever, Fork
90	98-7644	1	Bolt
100	98-7645	2	Bolt
110	98-7646	1	Bolt
120	98-7536	2	Washer-Plain
130	98-7648	1	Washer-Plain
140	100-9207	1	Spring-Start
150	100-9208	1	Spring-Governor
160	98-7651	1	Spring-Governor



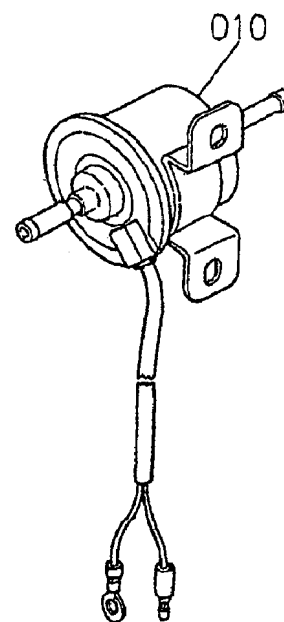
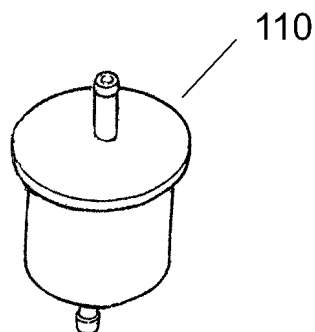
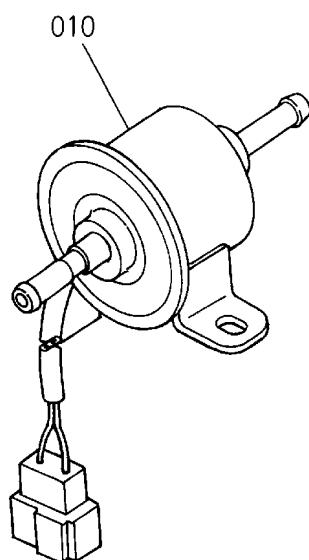
Speed Control Plate Assembly

Ref	Part No.	Qty.	Description				
10	107-0132	1	Adjustable Bolt ASM				
20	98-7653	1	Nut				
30	98-7654	2	Gasket				
40	98-7655	1	Nut-Cap				
60	98-7657	1	Lever-Control, Speed				
70	98-7658	1	Key-Feather				
80	107-0103	1	O-Ring				
90	98-7698	1	Washer-Plain				
100	98-7661	2	Nut				
110	98-7662	1	Collar				
120	98-7663	1	Plate-Control, Speed				
130	98-7664	1	Gasket				
140	98-7568	2	Bolt				
150	98-7571	2	Stud				
160	98-7699	2	Washer-Spring				
170	98-7572	4	Nut				



Nozzle Holder and Glow Plug Assembly

Ref	Part No.	Qty.	Description
10	100-9213	1	Overflow Pipe ASM
20	98-7670	1	Overflow Pipe ASM
30	98-7671	1	Clip-Pipe
40	98-7672	1	Clip-Pipe
50	98-7673	1	Clamp-Cord
60	100-9214	1	Nozzle Holder Kit
65	100-9215	4	Piece-Nozzle
70	98-7676	4	Gasket
80	98-7677	4	Seal
90	100-9216	1	Pipe-Injection
100	100-9217	1	Pipe-Injection
110	100-9218	1	Pipe-Injection
120	100-9219	1	Pipe-Injection
130	98-7682	3	Clamp-Pipe
140	98-7683	3	Clamp-Pipe
150	98-9364	3	Screw (W/Washer)
160	98-7685	4	Plug-Glow
170	98-7686	1	Cord-Plug, Glow
180	99-8377	4	Nut-Flange

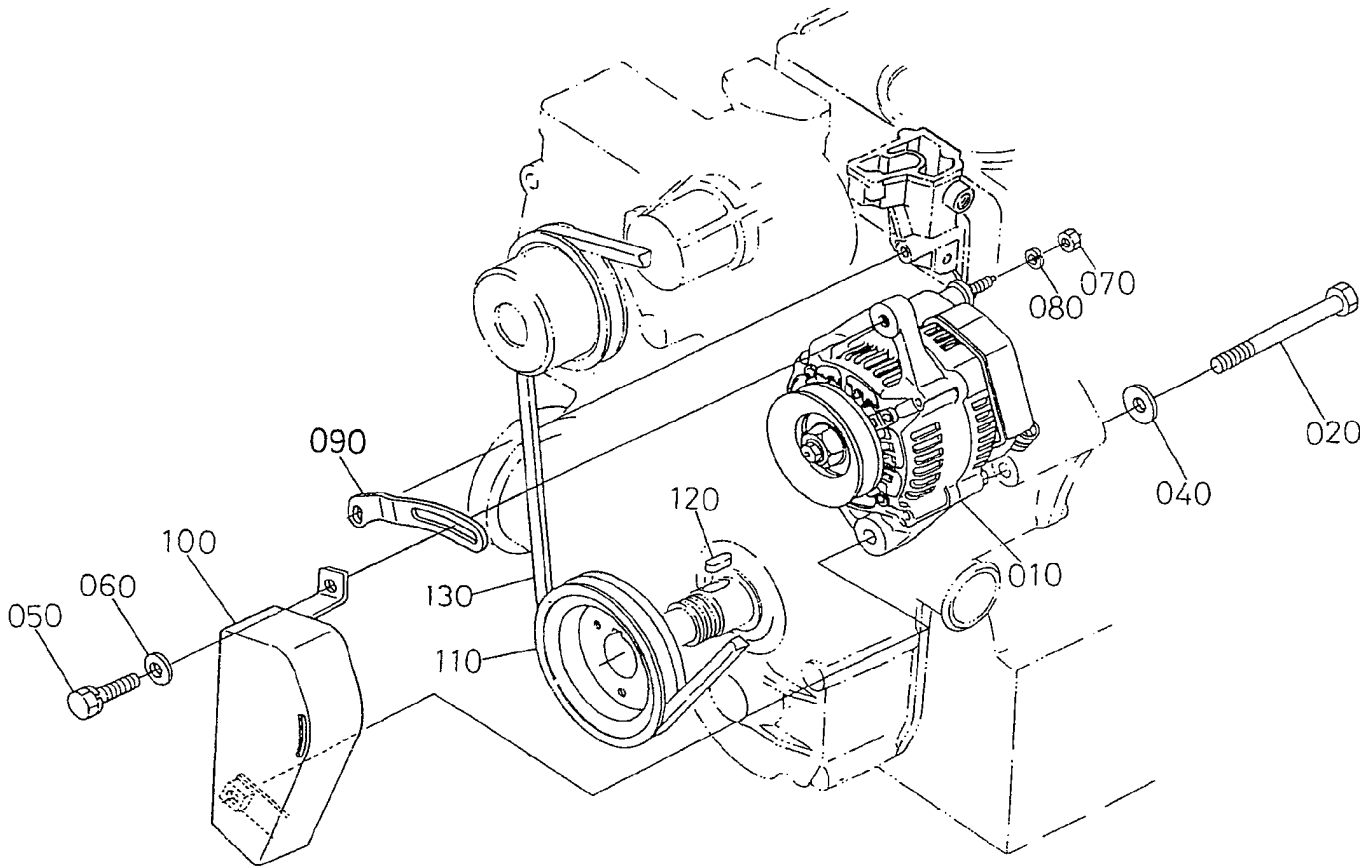


<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
010	107-0122	(2S0001 or newer)

<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
010	99-3464 (1U1056 or earlier)	

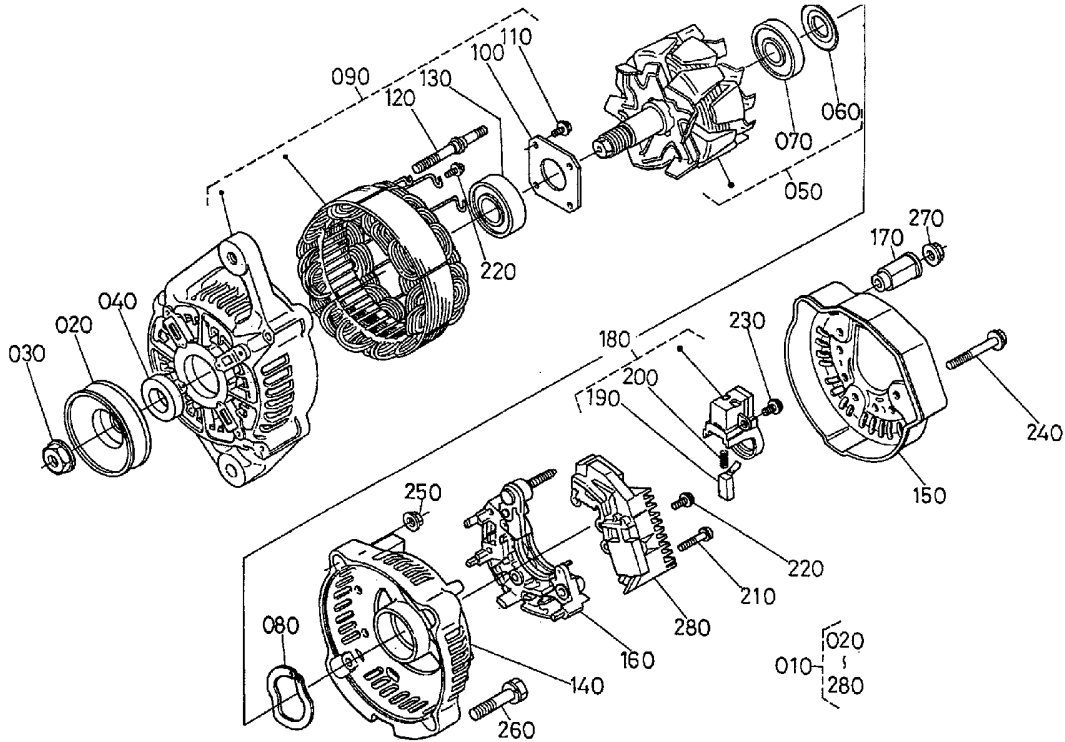
Fuel Filter and Fuel Pump

Ref	Part No.	Qty.	Description
10	99-3464	1	Pump-Fuel
10	107-0122	1	Pump-Fuel, Electric
110	98-7612	1	Filter-Fuel



Alternator and Pulley Assembly

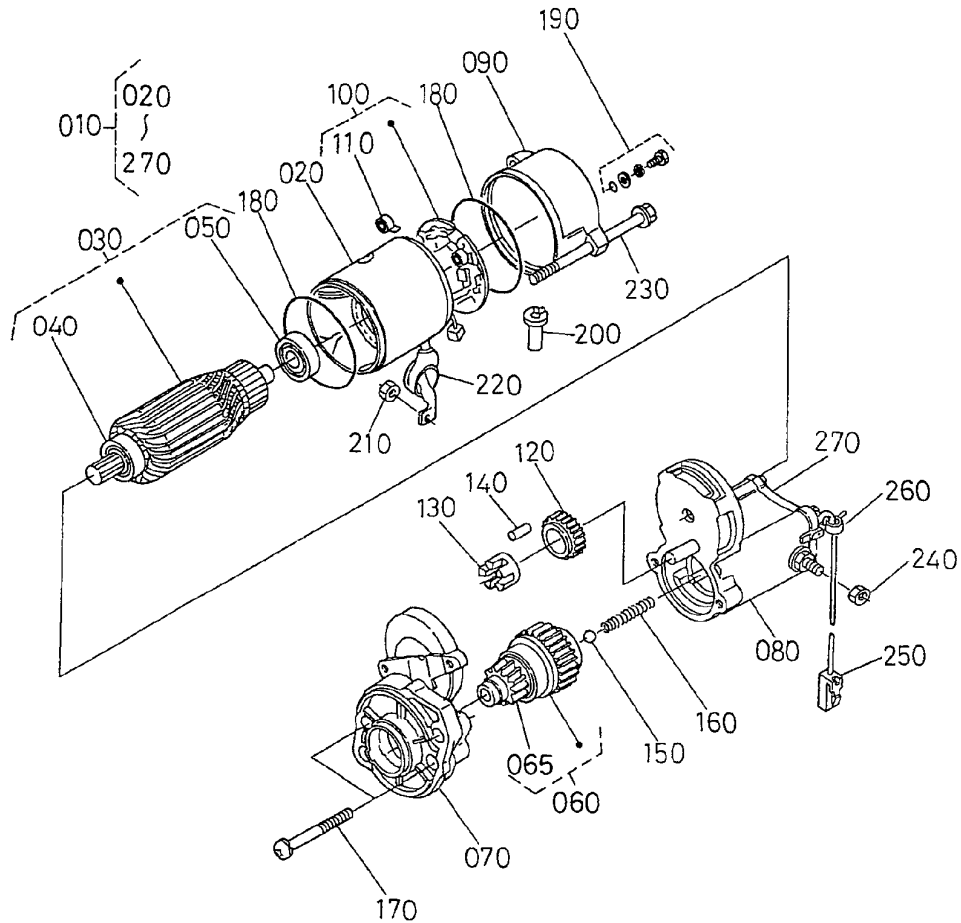
Ref	Part No.	Qty.	Description				
10	107-0145	1	Alternator ASM				
20	98-7695	1	Bolt				
40	98-9366	1	Washer-Plain				
50	98-7697	1	Bolt				
60	100-9233	1	Washer-Plain				
70	98-7572	1	Nut				
80	98-7699	1	Washer-Spring				
90	105-2872	1	Bracket-Alternator				
100	98-7701	1	Cover-Belt				
110	106-2044	1	Pulley-Drive, Fan				
120	98-7451	1	Key-Feather				
130	98-7705	1	V-Belt				



Ref. No.	Part No.	Engine Serial #	Ref. No.	Part No.	Engine Serial #
090	98-7714	(1Q1216 or earlier)	090	107-0139	(1S0001 or newer)
150	98-7720	(1Q1216 or earlier)	150	107-0140	(1S0001 or newer)
180	98-7723	(1Q1216 or earlier)	180	107-0141	(1S0001 or newer)

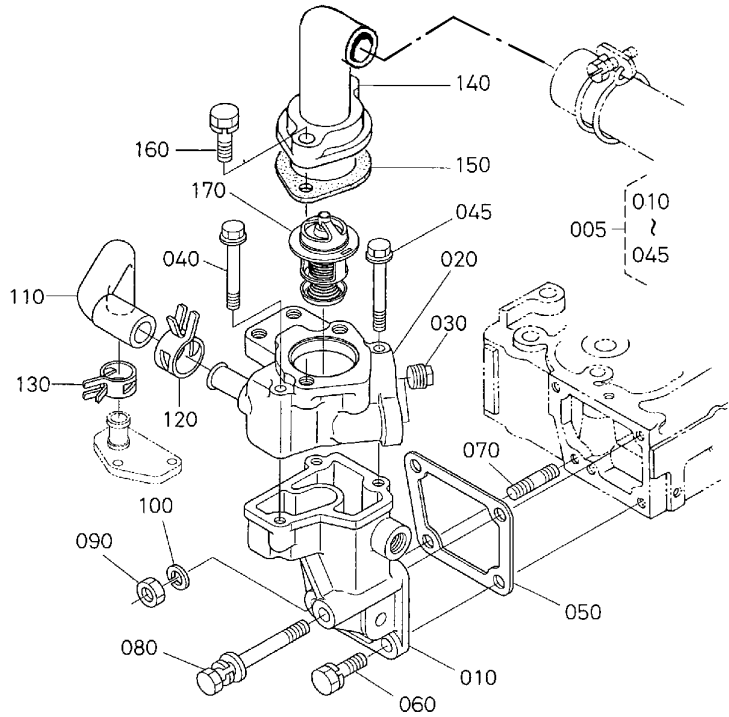
Alternator Component Parts Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
10	107-0145	1	Alternator ASM	220	98-7727	6	Screw-Head, Round
20	98-7707	1	Pulley-Alternator	230	98-7728	1	Screw-Head, Round
30	98-7708	1	Nut	240	98-7729	3	Bolt
40	98-7709	1	Collar	250	98-7730	2	Nut
50	107-0136	1	Rotor	260	98-7731	2	Bolt
60	98-7711	1	Cover-Bearing	270	98-7732	1	Nut
70	107-0138	1	Bearing-Ball	280	98-7733	1	Regulator ASM
80	98-7713	1	Washer-Thrust				
90	107-0139	1	Drive End Frame ASM				
90	98-7714	1	Frame-End, Drive				
100	98-7715	1	Plate-Retainer				
110	98-7716	4	Screw-Head, Round				
120	98-7717	2	Bolt-Through				
130	107-0137	1	Bearing-Ball				
140	98-7719	1	Frame-End				
150	98-7720	1	Cover-End				
150	107-0140	1	Cover-End				
160	98-7721	1	Rectifier ASM				
170	98-7722	1	Bushing-Insulation				
180	98-7723	1	Holder-Brush				
180	107-0141	1	Holder-Brush				
190	98-7724	2	Brush				
200	98-7725	2	Spring-Brush				
210	98-7726	2	Screw-Head, Round				

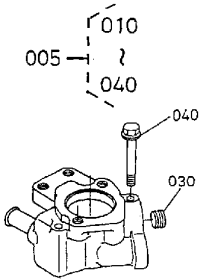


Starter Component Parts Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
10	100-9237	1	Starter ASM	240	99-8376	1	Nut-Hex
20	104-8608	1	Yoke ASM	250	98-9711	1	Cord-Solenoid, Stop
30	98-7742	1	Armature ASM	260	98-9712	1	Band-Cover
40	98-7744	1	Bearing	270	105-2886	1	Cover ASM
50	98-7743	1	Bearing				
60	98-7745	1	Clutch-Running, Over				
65	105-2887	1	Pinion-Bevel				
70	98-7746	1	Frame-End, Drive				
80	100-9239	1	Magentic Switch ASM				
90	98-7748	1	Frame-End				
100	98-7749	1	Brush Holder ASM				
110	98-7750	4	Spring-Brush				
120	98-7751	1	Gear				
130	98-7752	1	Retainer				
140	98-7753	5	Roller				
150	98-7755	1	Ball				
160	98-7754	1	Spring				
170	98-7756	2	Bolt				
180	98-7757	2	O-Ring				
190	98-7758	2	Bolt ASM				
200	98-7759	1	Pipe-Drain				
210	105-2873	1	Nut				
220	99-8375	1	Cover				
230	100-9240	2	Bolt				



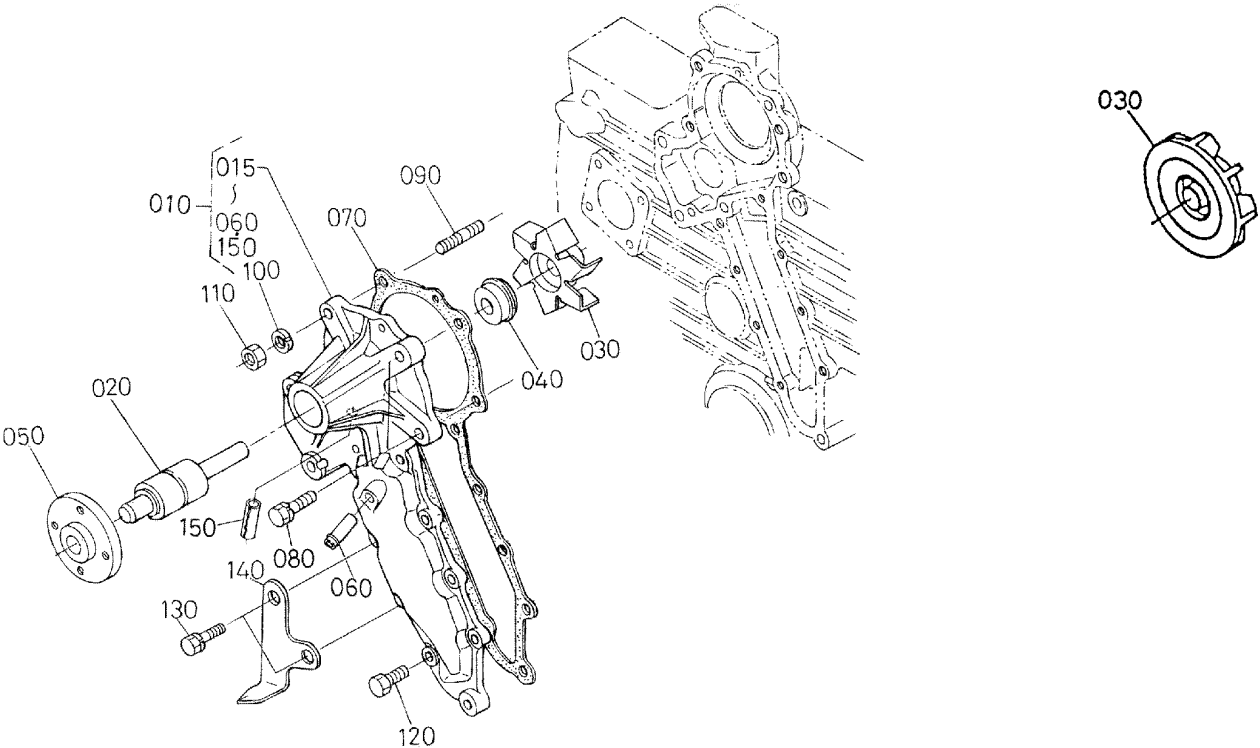
Ref. No.	Part No.	Engine Serial #
020	107-0144	(1N0001 or newer)
040	105-2875	(1E0001 or newer) (Qty. 2)
045	107-0117	(1E0001 or newer)
080	107-0115	(1U0001 or newer)



Ref. No.	Part No.	Engine Serial #
040	105-2875	(1C1478 or earlier) (Qty. 3)

Water Flange and Thermostat Assembly

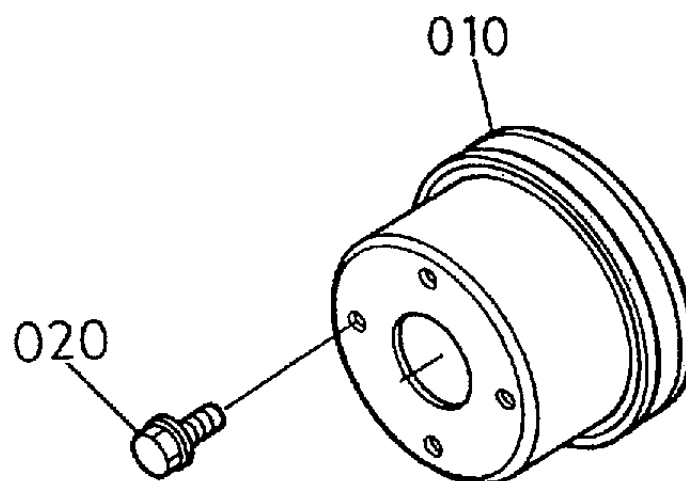
Ref	Part No.	Qty.	Description				
5	105-4578	1	Water Flange ASM				
10	107-0143	1	Flange-Water				
20	107-0144	1	Flange-Water				
30	105-2874	2	Plug				
40	105-2875	2	Bolt-Flange				
40	105-2875	3	Bolt-Flange				
45	107-0117	1	Bolt-Flange				
50	105-2876	1	Gasket-Flange, Water				
60	98-7610	2	Bolt				
70	100-1558	1	Stud-Manifold, Exhaust				
80	107-0115	1	Bolt				
90	98-7534	1	Nut				
100	105-2893	1	Washer-Spring				
110	105-2878	1	Pipe-Return, Water				
120	98-9714	1	Clamp-Hose				
130	105-2879	1	Clamp-Hose				
140	100-9244	1	Cover-Thermostat				
150	105-2880	1	Gasket-Cover, Thermostat				
160	98-7777	2	Bolt				
170	105-2881	1	Thermostat ASM				



Ref. No.	Part No.	Engine Serial #	Ref. No.	Part No.	Engine Serial #
010	107-0129	(2S0001 or newer)	010	100-9245	(1W1377 or earlier)
030	107-0130	(1Y0001 or newer)	030	98-7781	(1W1377 or earlier)
150	107-0131	(2S0001 or newer)			

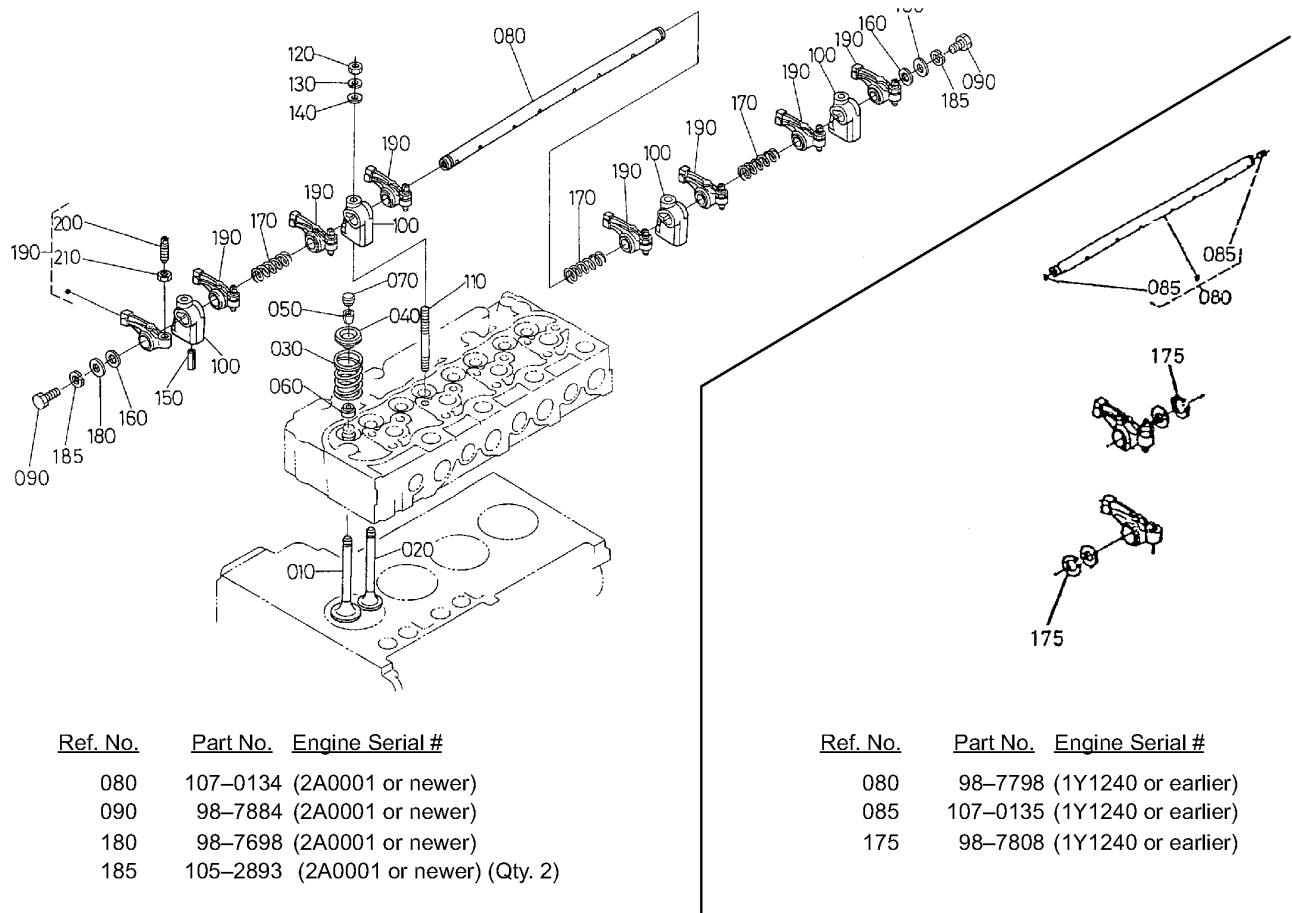
Water Pump Assembly

Ref	Part No.	Qty.	Description				
10	100-9245	1	Water Pump ASM				
10	107-0129	1	Water Pump ASM				
15	105-2885	1	Body-Pump, Water				
20	98-7780	1	Bearing-Ball				
30	107-0130	1	Impeller-Pump, Water				
30	98-7781	1	Impeller-Pump, Water				
40	105-2882	1	Mechanical Seal ASM				
50	98-7783	1	Flange-Pump, Water				
60	98-9580	1	Pipe-Return, Water				
70	98-7784	1	Gasket-Pump, Water				
80	98-7439	2	Bolt				
90	98-7786	2	Stud				
100	105-2893	2	Washer-Spring				
110	98-7534	2	Nut				
120	98-7605	6	Bolt				
130	98-7568	2	Bolt				
140	100-9246	1	Indicator-Timing				
150	107-0131	1	Pin-Spring				



Fan Assembly

Ref	Part No.	Qty.	Description
10	98-7702	1	Pulley-Fan
20	99-8363	4	Bolt-Flange

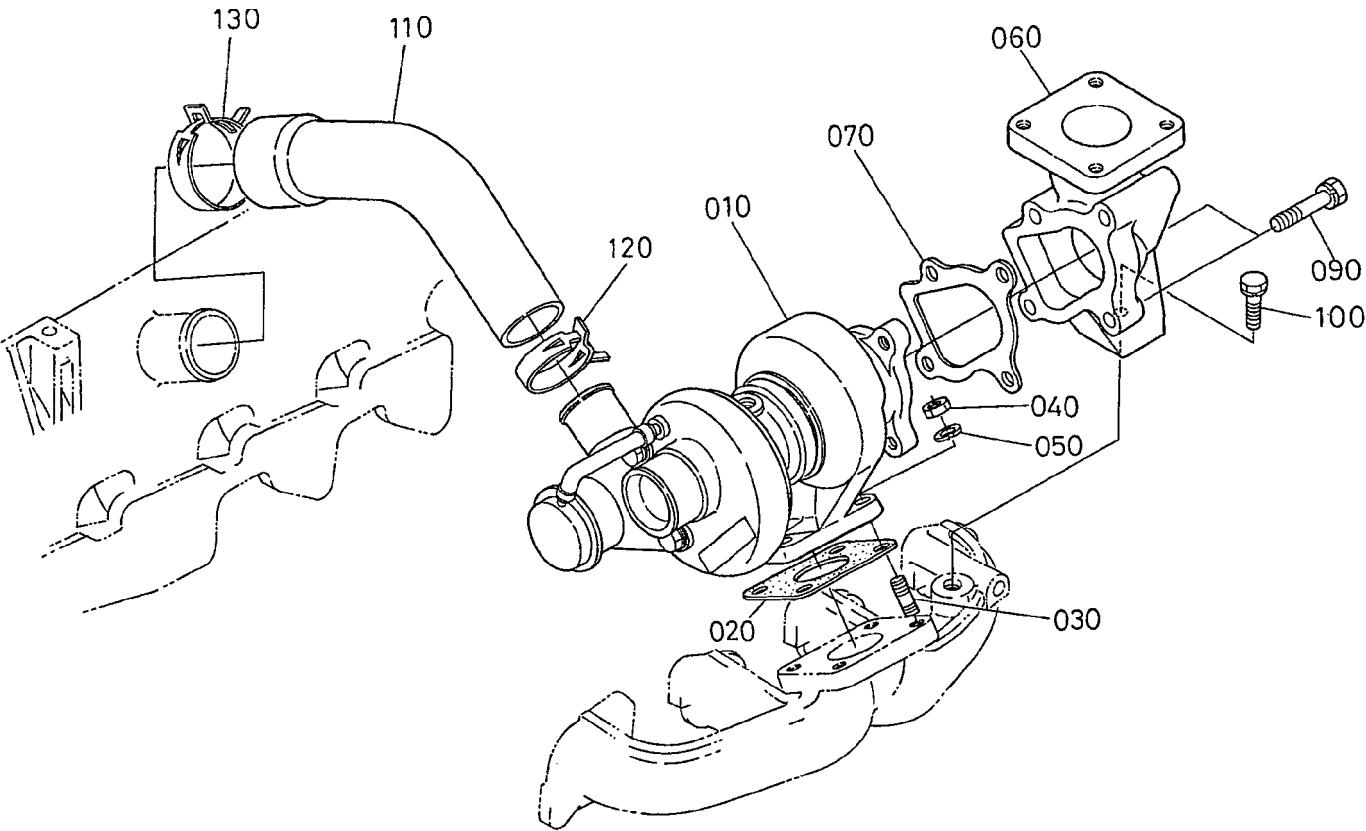


Valve and Rocker Arm Assembly

Ref	Part No.	Qty.	Description
10	98-7791	4	Valve-Inlet
20	100-9281	4	Valve-Exhaust
30	98-7793	8	Spring-Valve
40	98-7794	8	Retainer-Spring, Valve
50	98-7795	8	Collet-Spring, Valve
60	98-7796	8	Seal-Stem, Valve
70	98-7797	8	Cap-Valve
80	107-0134	1	Shaft-Arm, Rocker
80	98-7798	1	Rocker Arm Shaft ASM
85	107-0135	2	Screw-Set
90	98-7884	2	Bolt
100	98-7800	4	Bracket-Arm, Rocker
110	98-7801	4	Stud
120	98-7534	4	Nut
130	105-2893	4	Washer-Spring
140	98-7536	4	Washer-Plain
150	98-7805	1	Pin-Spring
160	98-7806	2	Washer
170	98-7807	3	Spring-Arm, Rocker
175	98-7808	2	Clip-Cir., External
180	98-7698	2	Washer-Plain
185	105-2893	2	Washer-Spring
190	98-7809	8	Rocker Arm ASM
200	98-7810	8	Screw-Adjusting

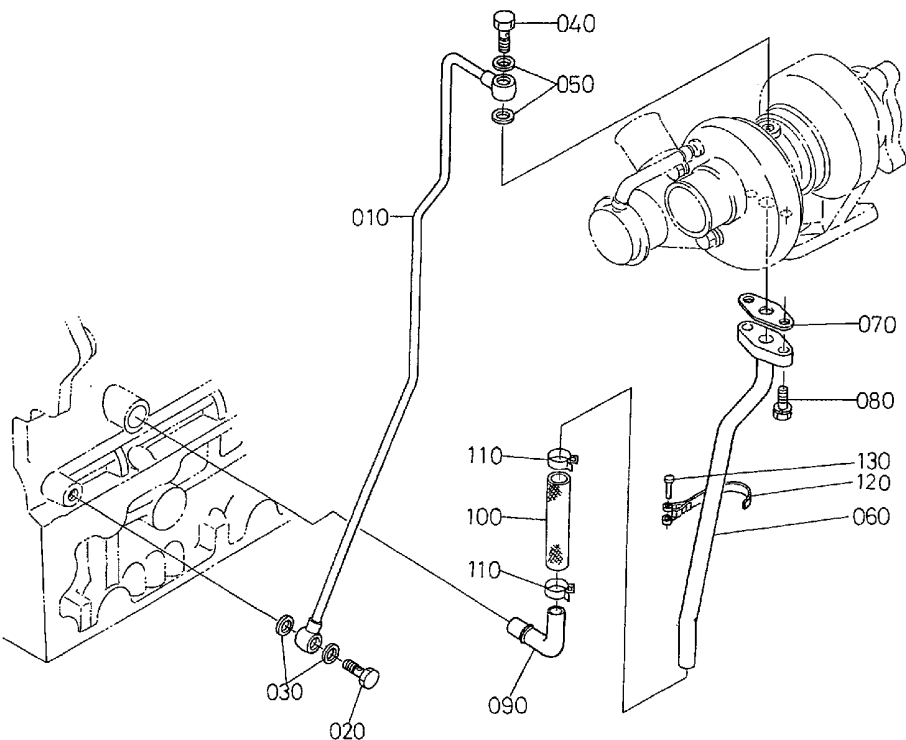
Ref	Part No.	Qty.	Description
210	98-7811	8	Nut

98



Turbo Charger Assembly

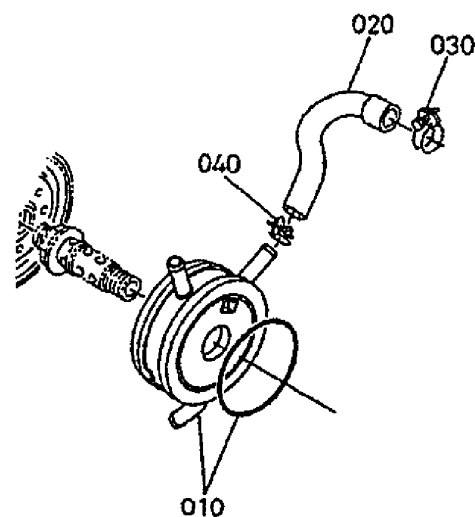
Ref	Part No.	Qty.	Description				
10	100-9313	1	Turbo Charger ASM				
20	100-9314	1	Gasket				
30	99-8341	4	Stud				
40	98-7534	4	Nut				
50	105-2893	4	Washer-Spring				
60	100-9315	1	Flange-Muffler				
70	100-9316	1	Gasket				
90	98-7697	4	Bolt				
100	100-9230	1	Bolt				
110	100-9318	1	Hose-Inlet				
120	100-9319	1	Band-Pipe				
130	99-8322	1	Band-Pipe				



Ref. No.	Part No.	Engine Serial #	Ref. No.	Part No.	Engine Serial #
010	100-9320	(1U1056 or earlier)	010	107-0127	(1W0001 or newer)
060	100-9322	(1U1056 or earlier)	060	107-0128	(1W0001 or newer)
180	98-7568	(1G1576 or earlier)	180	98-7605	(2J0001 or newer)

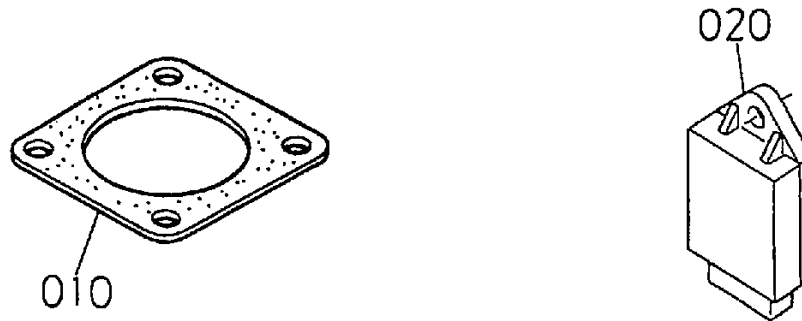
Oil Pipe (Turbo Charger) Assembly

Ref	Part No.	Qty.	Description				
10	100-9320	1	Pipe-Oil				
10	107-0127	1	Pipe-Oil, Complete				
20	100-9321	1	Bolt-Joint, Eye				
30	98-7428	2	Gasket				
40	98-9418	1	Bolt-Joint, Eye				
50	99-8346	2	Gasket				
60	107-0128	1	Pipe-Oil, Complete				
60	100-9322	1	Pipe-Oil				
70	98-9435	1	Gasket-Oil Return, Turbo				
80	98-7605	2	Bolt				
80	98-7568	2	Bolt				
90	100-9323	1	Pipe-Oil				
100	98-9721	1	Pipe-Oil				
110	98-9714	2	Clamp-Hose				
120	100-9324	1	Clamp-Pipe				
130	98-9591	1	Pin-Band				



<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
010	100-9325	(2Q1204 or earlier)
020	100-9326	(2Q1204 or earlier)
030	98-7774	(2Q1204 or earlier)
040	100-9327	(2Q1204 or earlier)

Oil Cooler Assembly



Muffler Gasket and Glow Controller

Ref	Part No.	Qty.	Description
10	100-9333	1	Gasket-Muffler
20	98-7611	1	Controller-Glow

103



Gasket Kit

Ref	Part No.	Qty.	Description
10	100-9337	1	Upper Gasket Kit
160	98-7888	1	Lower Gasket Kit

NOTES

NOTES

NOTES

