



Count on it.

Parts Catalog

Groundsmaster® 4700-D

Model No. 30868—Serial No. 240000001 and Up

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: Liquid Propane

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

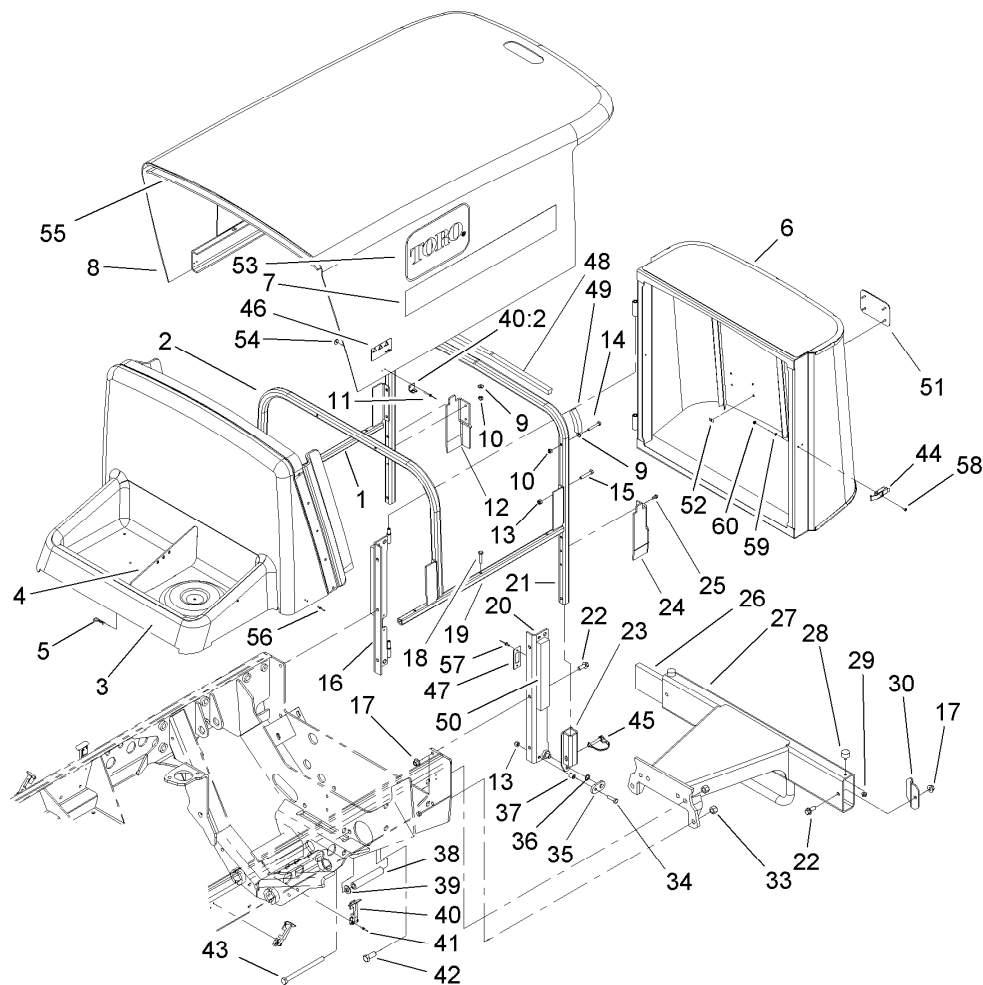
TTH: torx truss head

Contents

Hood, Screen and Bumper Assembly	5
Steering Tower Assembly	7
Steering Valve Assembly No. 104-2213	8
Traction and Brake Pedal Assembly	9
Throttle and Seat Frame Assembly	10
Control Console Assembly	11
Hydraulic Filter and Reservoir Assembly	12
Fuel Tank and Filter Assembly	13
Front Drive and Brake Assembly	14
Planetary Assembly No. 105-4500-03	15
Brake Assembly No. 100-3070-03	16
Piston Motor Assembly No. 105-1218	17
Brake Assembly No. 100-3069-03	18
Manifold Mounting and Fitting Assembly	19
Hydraulic Pump Assembly	20
Triple Pump Assembly No. 105-9845	21
Piston Pump Assembly No. 105-9846	22
Control Assembly No. 93-6306	24
Radiator Assembly	25
Fan and Solenoid Assembly	26
Engine Installation Assembly	27
Air Cleaner Assembly No. 99-5410	28
Rear Axle Assembly	29
Cylinder Assembly No. 105-9861	30
Piston Motor Assembly No. 105-1219	31
Bevel Pinion Shaft Assembly Rear Axle Assembly No. 100-3784	32
Differential Assembly Rear Axle Assembly No. 100-3784	33
Axle Support Assembly Rear Axle Assembly No. 100-3784	34
Bevel Gear Case Assembly Rear Axle Assembly No. 100-3784	35
Bevel Gear Shaft Assembly Rear Axle Assembly No. 100-3784	36
Axle Case Assembly Rear Axle Assembly No. 100-3784	37
Axle Assembly Rear Axle Assembly No. 100-3784	38
Coupler Spacer and Adapter Plate Assembly	39
Battery Installation Assembly	40
Water and Fuel Filter Assembly No. 98-9305	41
Front Lift Arm Assembly	42
No. 4 and 5 Lift Cylinder Assembly No. 104-5527	43
No. 1 Lift Cylinder Assembly No. 104-5528	44
Lift Lever Assembly	45
No. 2 and 3 Lift Arm Assembly	46
No. 2 and 3 Lift Cylinder Assembly No. 104-5526	47
Hose Installation Assembly	48
No. 1, 4 and 5 Hose Installation Assembly	49
Hydraulic Motor Assembly No. 105-9820	50
No. 6 and 7 Hose Installation Assembly	51
No. 6 and 7 Lift Arm Assembly	52
Hydraulic Cylinder Assembly No. 104-5592	53
Roll-Over Protection System and Frame Assembly	54
Front Frame Assembly No. 104-5469	55
Roller Support and Access Panel Assembly	56
Cutting Manifold Assembly	57
Manifold Assembly No. 104-5477	58
4 Wheel Drive Manifold and Filter Assembly	59
Filter Manifold Assembly No. 100-5558	60

Contents (continued)

4 Wheel Drive Manifold Assembly No. 105-9875	61
Traction Hydraulic Line Assembly	62
Hydraulic Mow Line Assembly	63
Steering Hydraulic Line Assembly	64
Hydraulic Lift Line Assembly	65
Lift Valve and Counter Balance Assembly	66
Manifold Assembly No. 104-5497	67
Single Spool Valve Assembly No. 105-9843	68
Crankcase Assembly	69
Oil Pan Assembly	70
Cylinder Head Assembly	71
Gear Case Assembly	72
Head Cover Assembly	73
Oil Filter Assembly	74
Dipstick and Guide Assembly	75
Oil Pump Assembly	76
Breather Assembly	77
Main Bearing Case	78
Camshaft and Idler Gear Shaft Assembly	79
Piston and Crankshaft Assembly	80
Flywheel Assembly	81
Fuel Camshaft and Governor Shaft Assembly	82
Engine Stop Lever Assembly	83
Injection Pump Assembly	84
Injection Pump Component Part Assembly	85
Governor Assembly	86
Speed Control Plate Assembly	87
Nozzle Holder and Glow Plug Assembly	88
Fuel Filter and Fuel Pump	89
Alternator and Pulley Assembly	90
Alternator Component Part Assembly	91
Starter Assembly	92
Starter Component Part Assembly	93
Oil Switch / Thermometer and Plug Assembly	94
Water Flange and Thermostat Assembly	95
Water Pump Assembly	96
Water Pipe Assembly	97
Fan Assembly	98
Valve and Rocker Arm Assembly	99
Inlet Manifold Assembly	100
Exhaust Manifold Assembly	101
Turbo Charger Assembly	102
Oil Pipe (Turbo Charger) Assembly	103
Oil Cooler Assembly	104
Muffler Gasket and Glow Controller	105
Engine Operator Manual	106
Gasket Kit	107

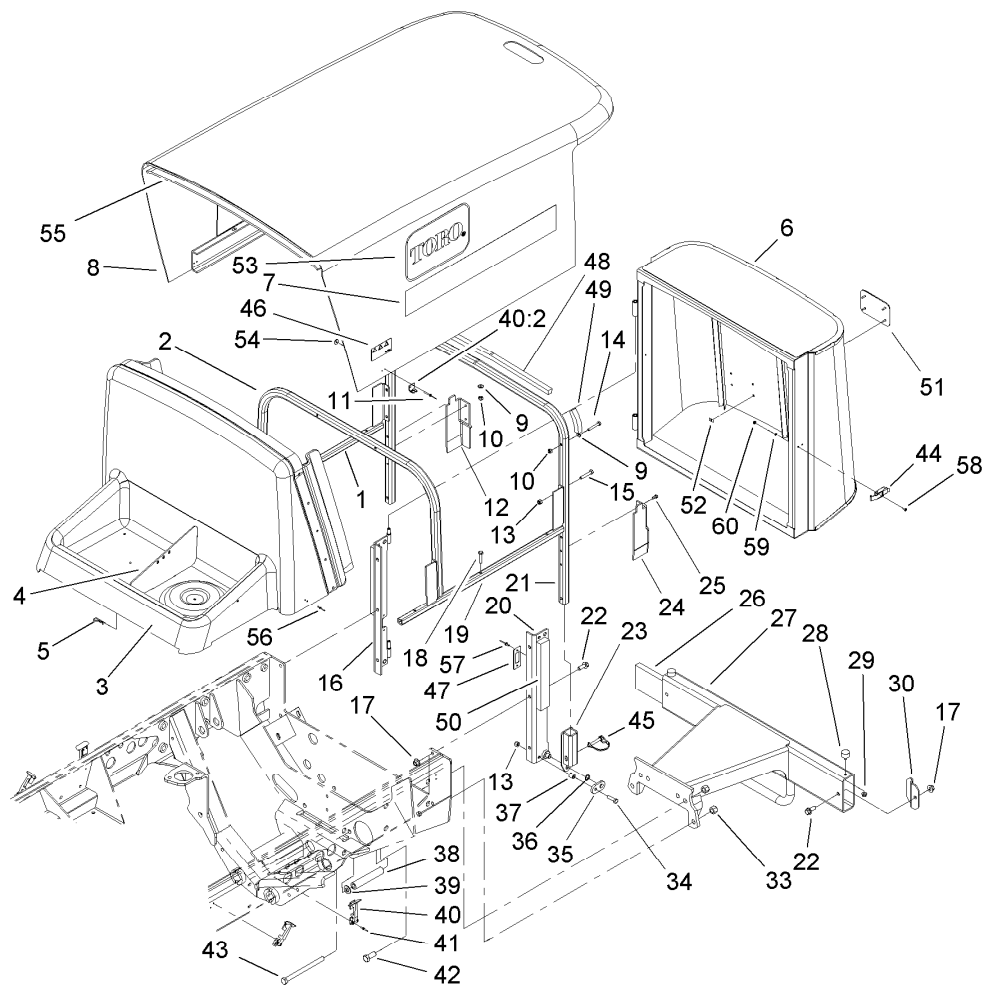


Hood, Screen and Bumper Assembly

Ref.	Part Number	Qty.	Description
1	107-1975-03	1	RH Hood Frame ASM
2	107-1973-03	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	105-9876	2	Decal
8	104-5419	1	Hood
8:1	106-8116	1	Heat Tape Repair Kit ●
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	4	Nut-Flange
18	321-13	6	Screw-HH
19	107-1974-03	1	LH Hood Frame ASM
20	104-5444-03	1	LH Support ASM
21	104-5435-03	1	Tube-Rear, Hood
22	3234-11	4	Screw-HHF
23	104-5440-03	2	Hood Receiver ASM
24	104-5432	1	Cover-Tube, LH

Ref.	Part Number	Qty.	Description
25	32104-17	4	Screw-HWH
26	105-9199-03	1	Weight-Bumper
27	105-9221-03	1	Bumper-Rear
28	240-14	2	Bumper-Rubber
29	32128-33	2	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
50	105-9235	2	Seal-Foam

● Not illustrated

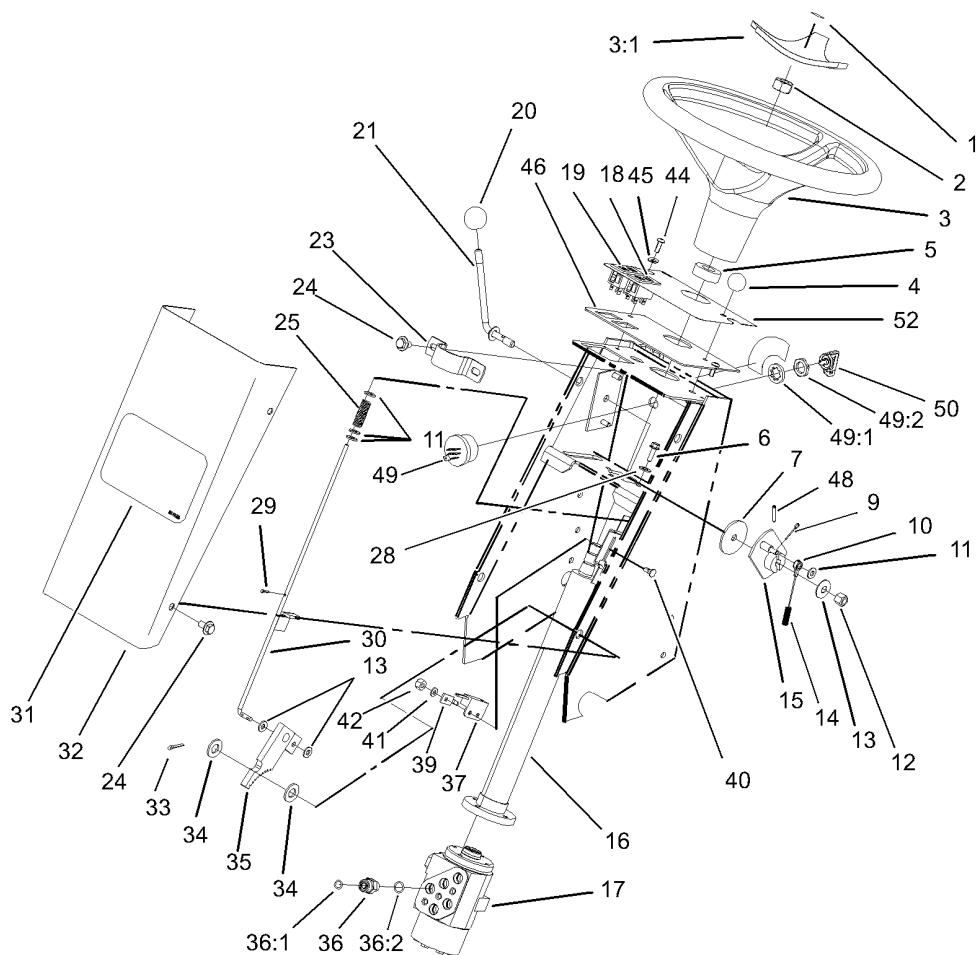


Hood, Screen and Bumper Assembly (continued)

Ref.	Part Number	Qty.	Description
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

Ref.	Part Number	Qty.	Description
56	3290-55	4	Rivet-Pop
57	3269-15	2	Rivet-Pop
58	3249-3	2	Screw-PRH
59	3256-53	2	Washer-Flat
60	3296-9	2	Nut-Lock

● Not illustrated

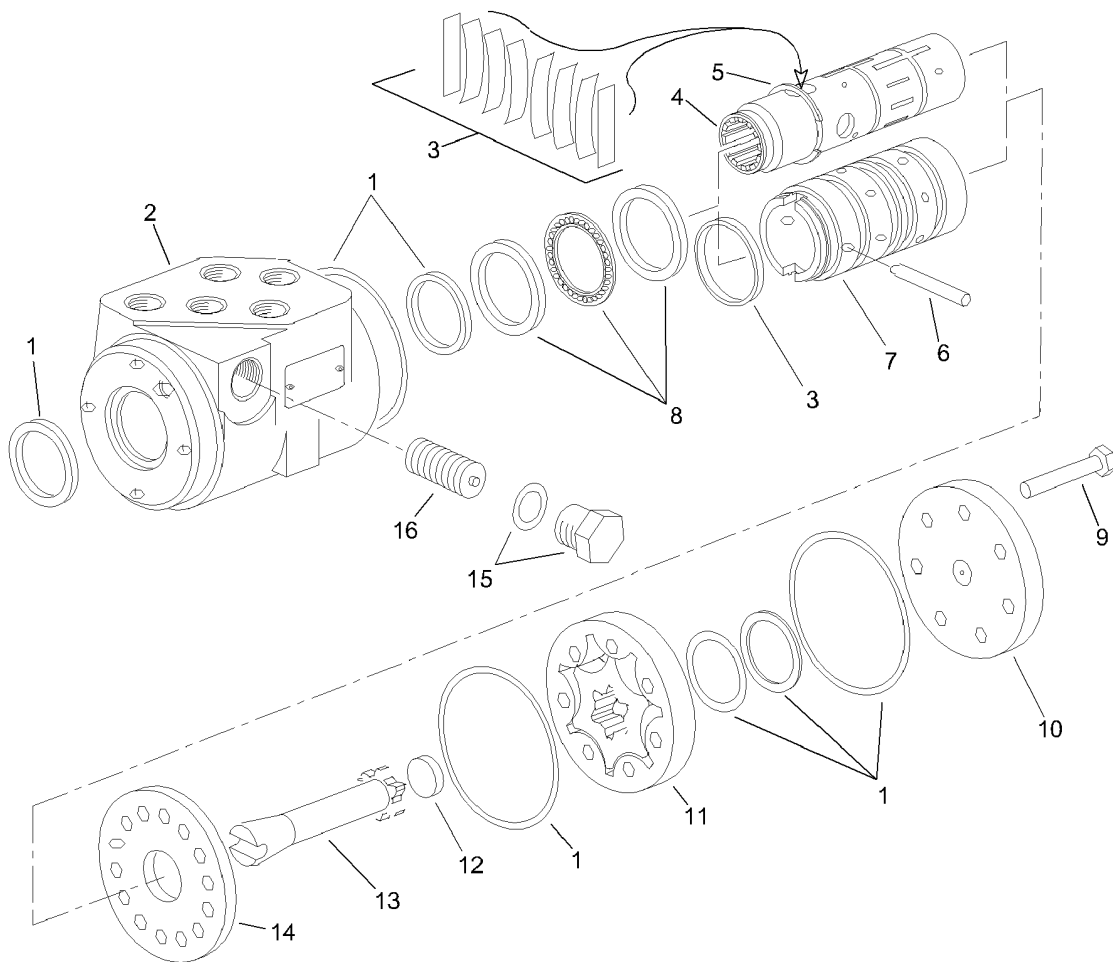


Steering Tower Assembly

Ref.	Part Number	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-Convolute
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
28	3256-23	6	Washer-Flat

Ref.	Part Number	Qty.	Description
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-HYD, Straight
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, NI
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	104-2541	1	Switch ASM
49:1	218-461	1	Nut-HH
49:2	3254-5	1	Washer-Tooth, Internal
50	63-8360	1	Key-Ignition
52	105-3888	1	Decal-Tower
99	3290-379	1	Tie-Cable ●

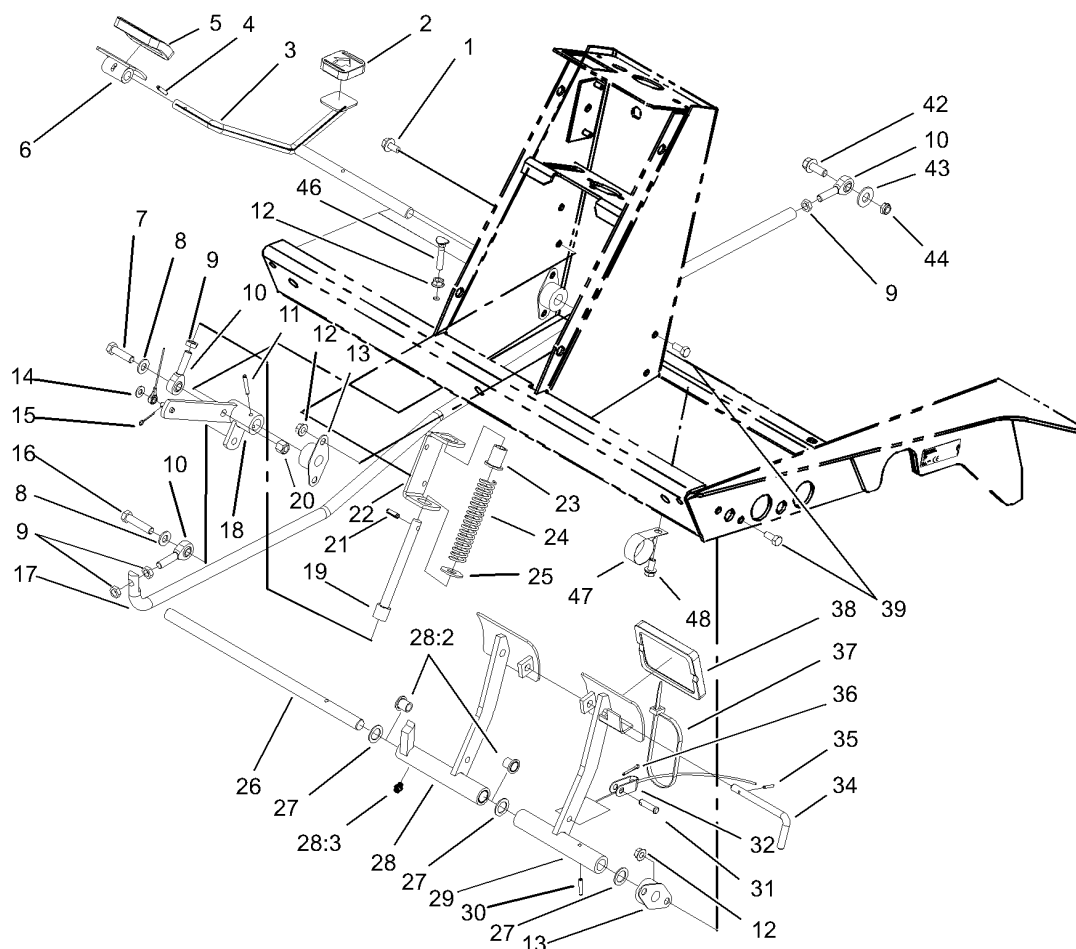
● Not illustrated



Steering Valve Assembly No. 104-2213

Ref.	Part Number	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

● Not serviced separately

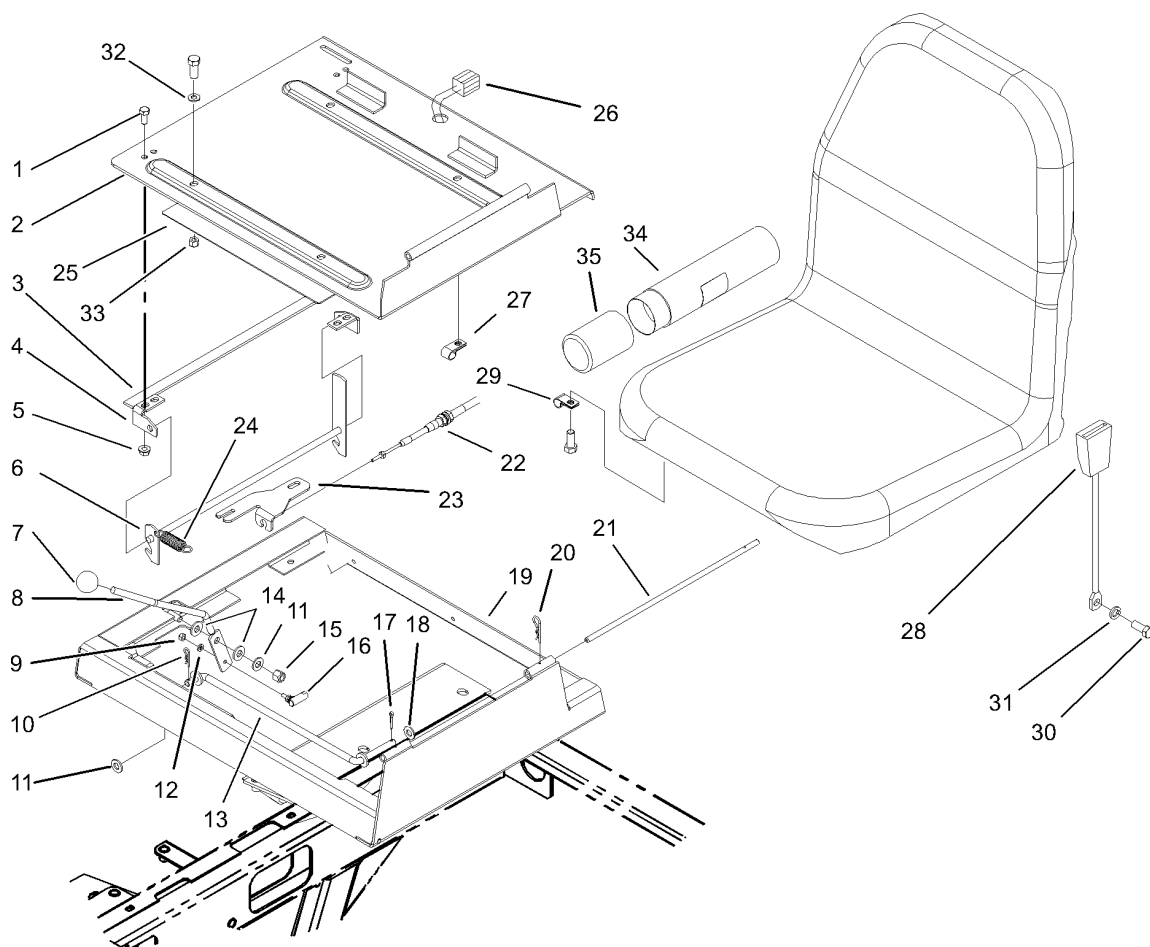


Traction and Brake Pedal Assembly

Ref.	Part Number	Qty.	Description
1	32144-14	4	Screw-HWHTF
2	74-9110	1	Pad-Pedal, Reverse
3	75-2970	1	Pedal-Traction
4	32121-45	1	Pin-Spring
5	74-9100	1	Pad-Pedal, Forward
6	49-6440-03	1	Pedal-Forward
7	323-29	1	Screw-HH
8	3256-24	2	Washer-Flat
9	3220-3	4	Nut-HJ
10	2411-36	3	Bearing-End, Rod
11	32121-6	1	Pin-Roll, Slotted
12	32128-20	12	Nut-HF
13	256-236	4	Bearing-Mount, Flange
14	3256-22	1	Washer-Flat
15	3272-2	1	Pin-Cotter
16	323-9	1	Screw-HH
17	104-5632-03	1	Rod-Control, Pump
18	75-3270-03	1	Hub-Pivot, Traction
19	92-7609	1	Shaft-Spring
20	3296-39	2	Nut-Lock, NI
21	32121-11	1	Pin-Roll
22	92-7608-03	1	Bracket-Spring
23	92-7610	1	Retainer-Spring
24	84-9100	1	Spring

Ref.	Part Number	Qty.	Description
25	3256-5	1	Washer-Flat
26	75-1470	1	Pin-Pivot, Brake
27	3256-69	3	Washer-Flat
28	75-1430	1	Pedal-Brake, RH
28:2	256-42	2	Bushing
28:3	302-5	1	Fitting-Grease
29	75-1440-03	1	LH Brake Pedal ASM
30	32121-16	1	Pin-Spring
31	283-58	2	Pin-Clevis
32	92-7530	1	LH Brake Cable ASM
33	92-7529	1	RH Brake Cable ASM ●
34	63-7880	1	Pin-Latch, Brake
35	32121-50	1	Pin-Spring
36	3272-10	2	Pin-Cotter
37	3290-378	1	Tie-Cable
38	93-8742	2	Footpad-Brake
39	322-3	8	Screw-HH
42	3234-11	1	Screw-HHF
43	5-0652	1	Spacer
44	3296-59	1	Nut-Lock, NI
46	17-9420	2	Screw-Handle
47	2412-150	1	Clip-J
48	3234-14	1	Screw-HHF

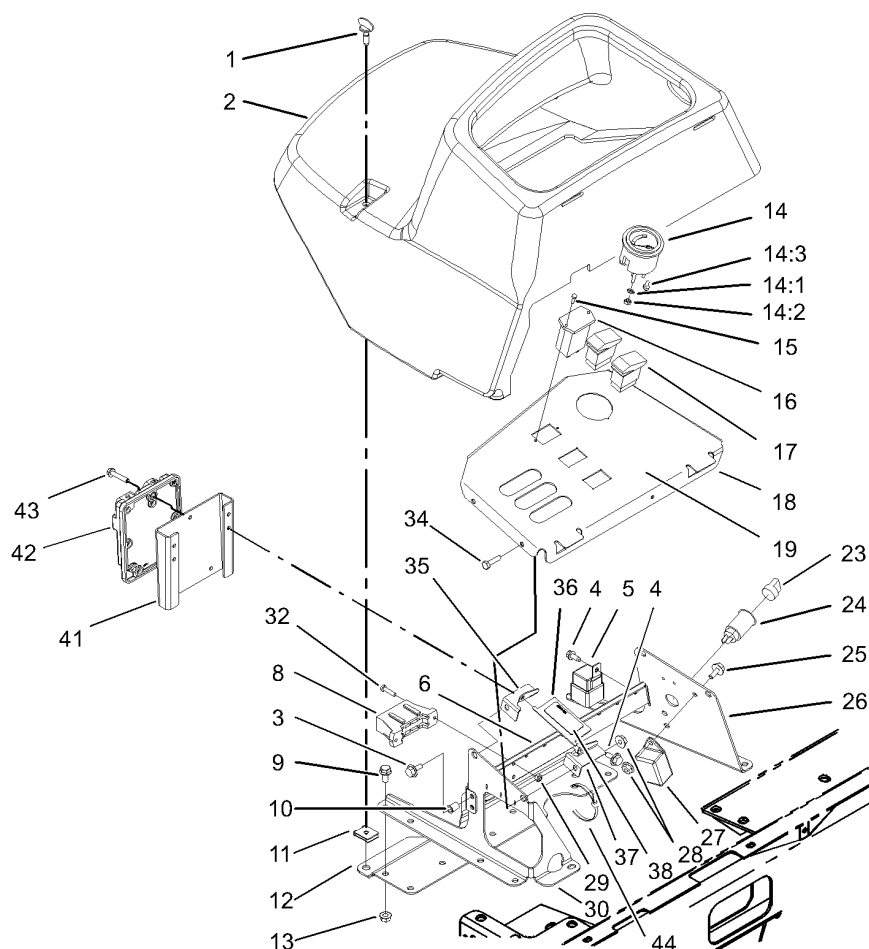
● Not illustrated



Throttle and Seat Frame Assembly

Ref.	Part Number	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

Ref.	Part Number	Qty.	Description
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
25	105-9895	1	Decal-Quick Reference
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	Tube-Manual
35	104-7048	1	Cap-Housing

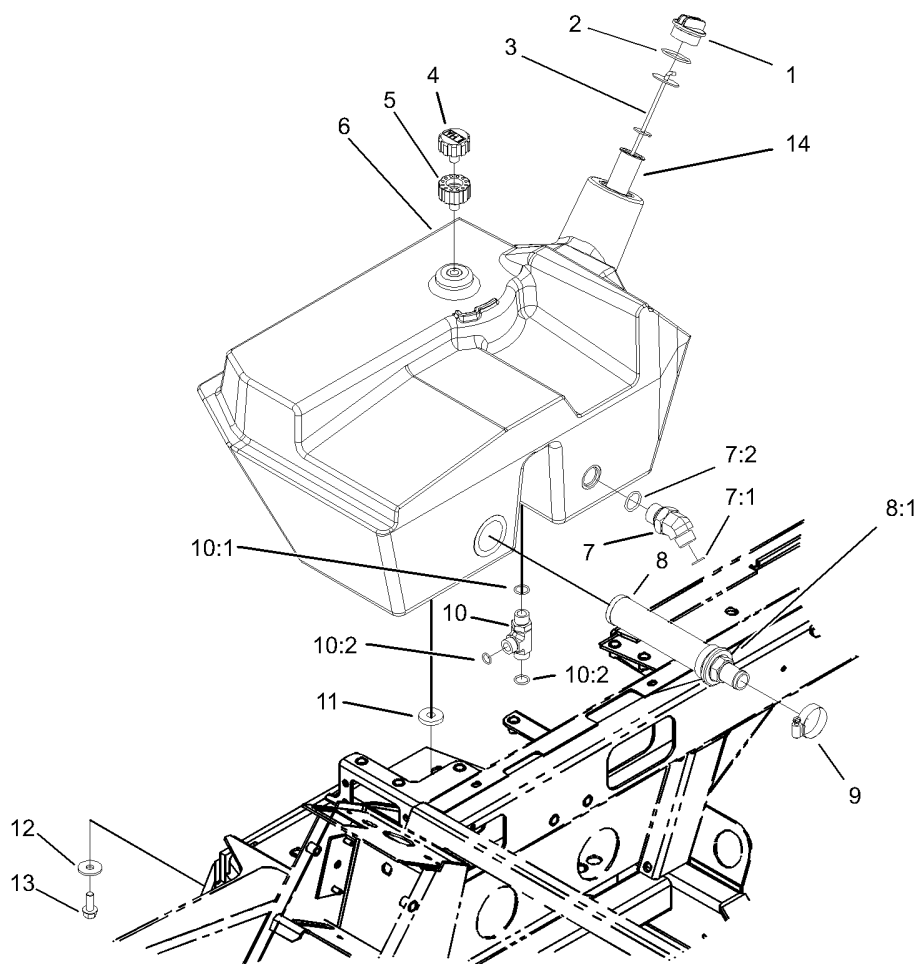


Control Console Assembly

Ref.	Part Number	Qty.	Description
1	105-9208	2	Screw-Head, Wing
2	104-5599	1	Cover-Console
3	3234-13	4	Screw-HHF
4	32144-10	7	Screw-HWH
5	99-7430	3	Relay
6	104-5613-03	1	Panel-Relay
8	105-9867	1	Harness-Wire, Console
9	3234-14	9	Screw-HHF
10	32148-6	6	Insert-Nut
11	105-9209	2	Recepticle-Clip On
12	104-5612-03	1	Support-Cover
13	32128-20	4	Nut-HF
14	98-9308	1	Gauge-Temperature
14:1	3254-1	3	Washer-Lock, Int
14:2	3217-27	3	Nut-Hex
14:3	105-9265	1	Bulb And Lamp ASM
15	32144-18	2	Screw-HH
16	75-6820	1	Hourmeter
17	95-8999	2	Switch
18	104-5611-03	1	Dash
19	105-3890	1	Decal-Console

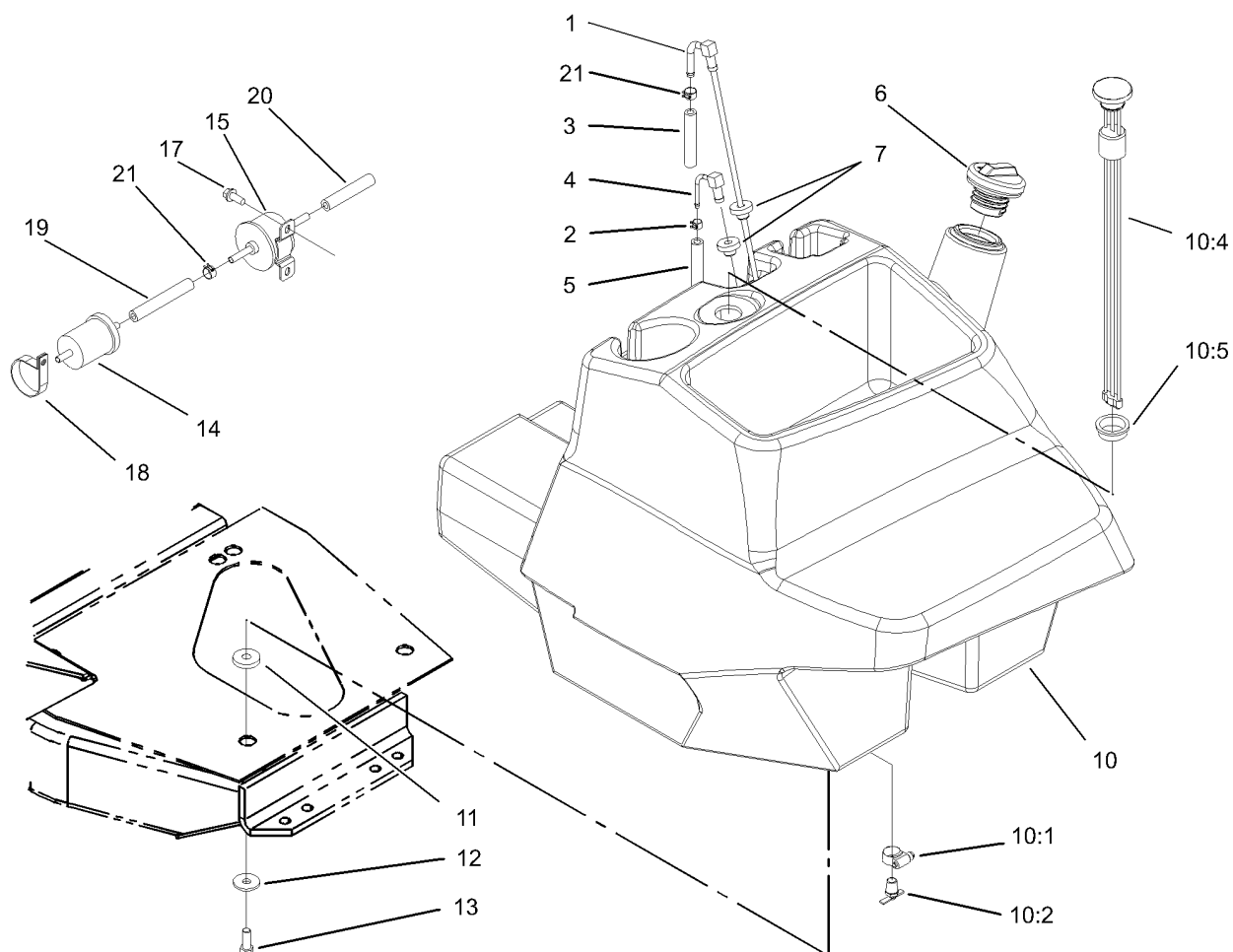
Ref.	Part Number	Qty.	Description
19	105-9223	1	Decal-Console, Ce ●
23	99-7416	1	Cap
24	99-7411	1	Point-Power
25	3234-4	1	Screw-HHF
26	104-5610-03	1	Panel-Dash, Rear
27	98-7611	1	Controller-Glow
28	32128-33	3	Nut-HF
29	3296-2	6	Nut-Lock, NI
30	104-5609-03	1	Panel-Dash, Front
31	105-3986	1	Module-Control, Deck ●
32	32105-13	6	Screw-HWH
34	321-6	2	Screw-HH
35	105-9840	1	Bracket-Latch, RH
36	105-9842	1	Plate-Latch, Ce
37	105-9841	1	Bracket-Latch, LH
38	105-9830	1	Decal-Lever Lock, Ce
41	105-9873-03	1	Bracket-Module
42	105-8505	1	Module-Control, Standard
43	32144-110	3	Screw-HWH
44	3290-379	5	Tie-Cable

● Not illustrated



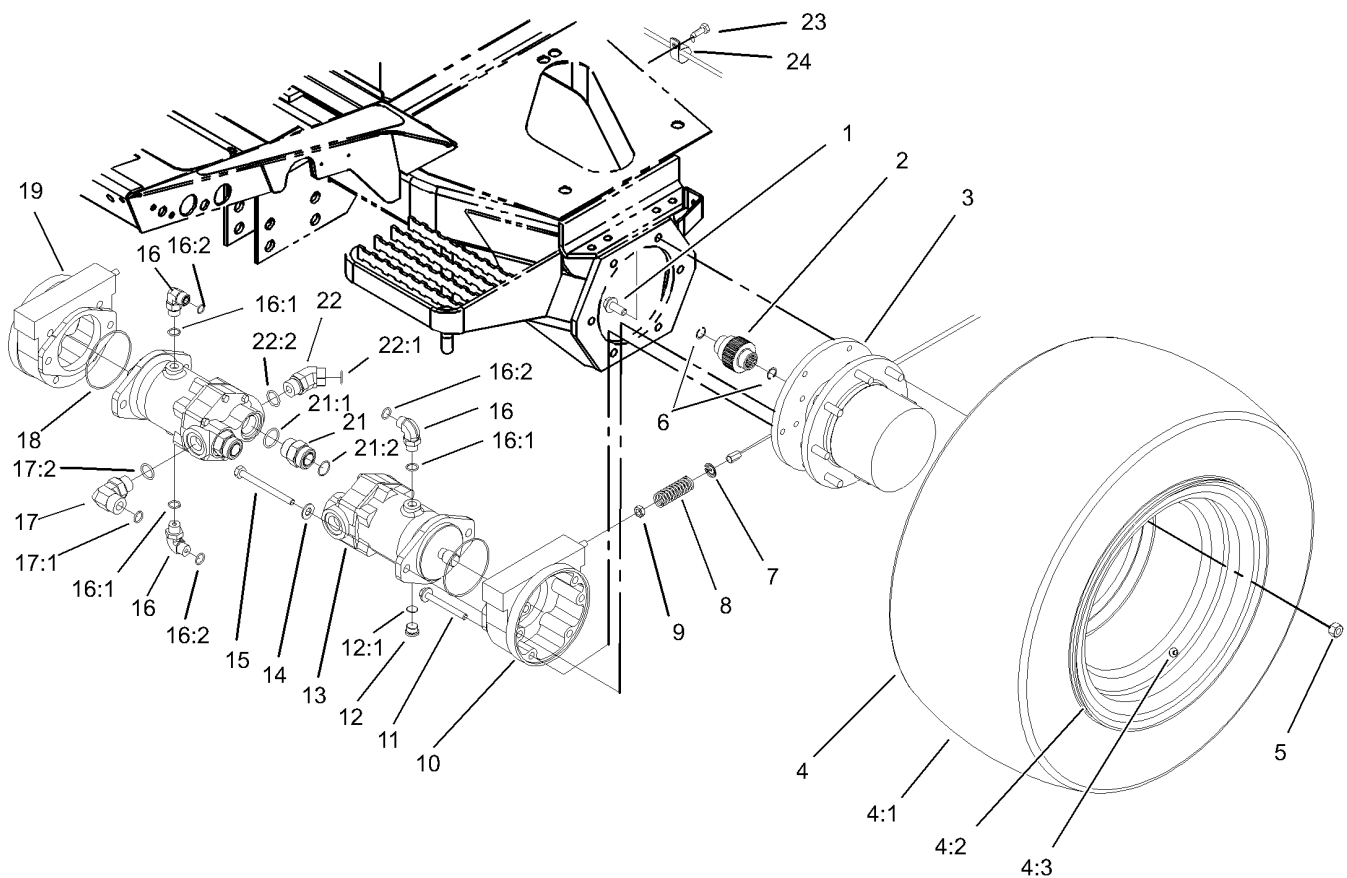
Hydraulic Filter and Reservoir Assembly

Ref.	Part Number	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 Number	Qty.	Description
1	104-5604	1	Fitting-Suction
2	2412-80	2	Clamp-Hose
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	107-0122	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

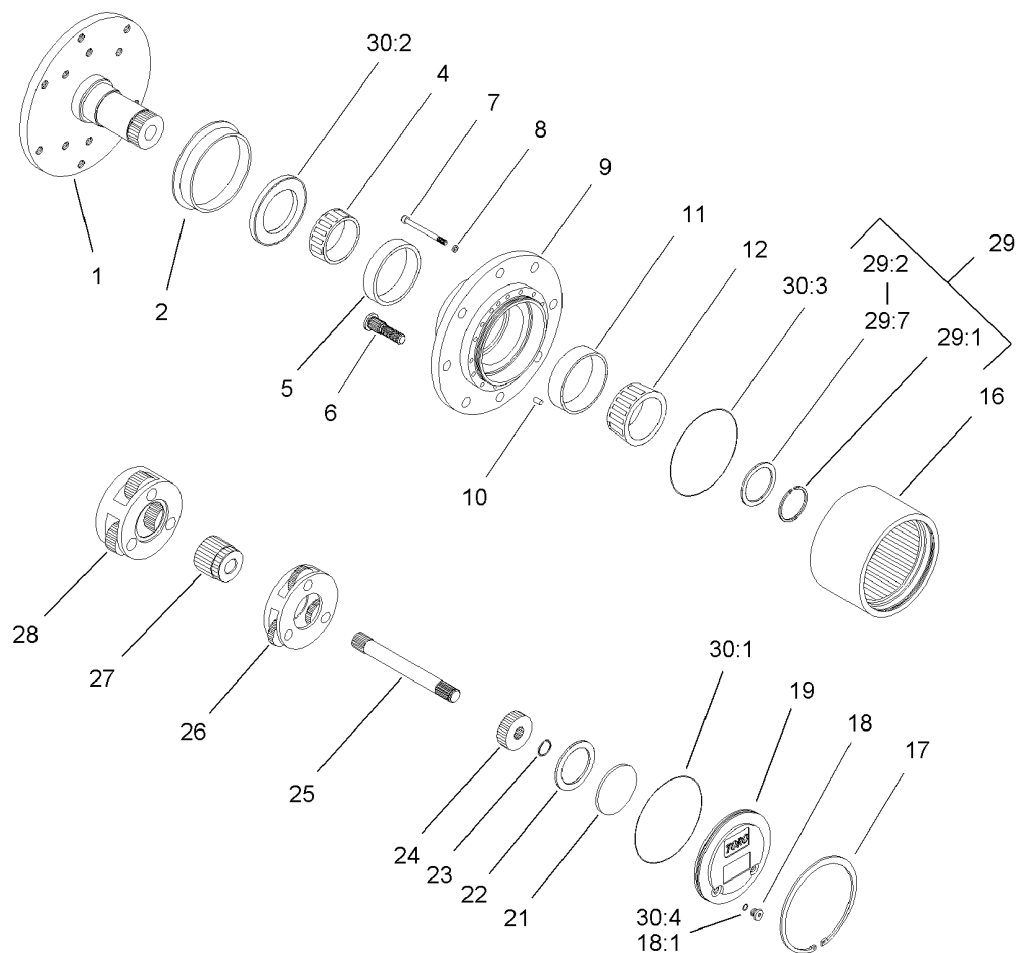


Front Drive and Brake Assembly

Ref.	Part Number	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	1	LH 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	Piston Motor ASM
14	3256-26	4	Washer-Flat

Ref.	Part Number	Qty.	Description
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
17:2	237-81	1	O-Ring
18	237-166	2	O-Ring
19	100-3069	1	RH 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-HWHTF
24	2412-93	2	Clamp-R

● Not serviced separately



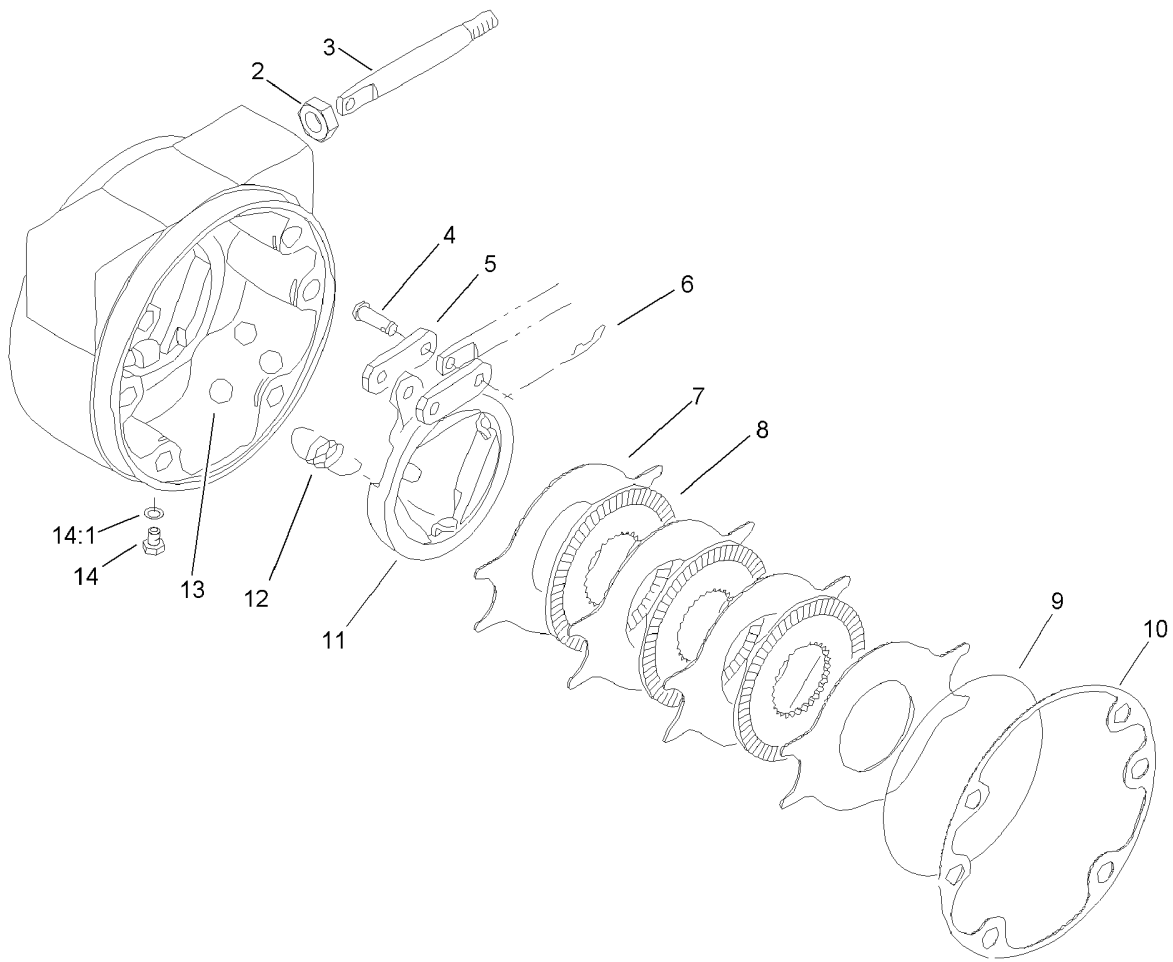
Planetary Assembly No. 105-4500-03

Ref.	Part Number	Qty.	Description
1		1	Spindle ■
2	105-8122	1	Seal-Boot
4	105-8120	1	Bearing-Cone
5	105-8119	1	Bearing-Cup
6	105-8124	8	Stud-Wheel
7	105-8125	16	Bolt-Head, Socket
8	3253-18	16	Washer-Lock
9		1	Housing ■
10	105-8121	1	Pin-Dowel
11	105-8117	1	Bearing-Cup
12	105-8118	1	Bearing-Cone
16	105-8113	1	Gear-Ring
17	105-8132	1	Ring-Retaining
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

Ref.	Part Number	Qty.	Description
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
29	105-8136	1	Shim Kit
29:1		1	Ring-Snap ■
29:2		1	Shim-Bearing, 2.9Mm ■
29:3		1	Shim-Bearing, 2.8Mm ■
29:4		1	Shim-Bearing, 2.7Mm ■
29:5		1	Shim-Bearing, 2.6Mm ■
29:6		1	Shim-Bearing, 2.5Mm ■
29:7		1	Shim-Bearing, 2.4Mm ■
30	105-8137	1	Seal Kit ●
30:1		1	O Ring-Flange Cap ■
30:2		1	Seal-Oil ■
30:3		2	O Ring-End Cap ■
30:4	237-78	2	O-Ring

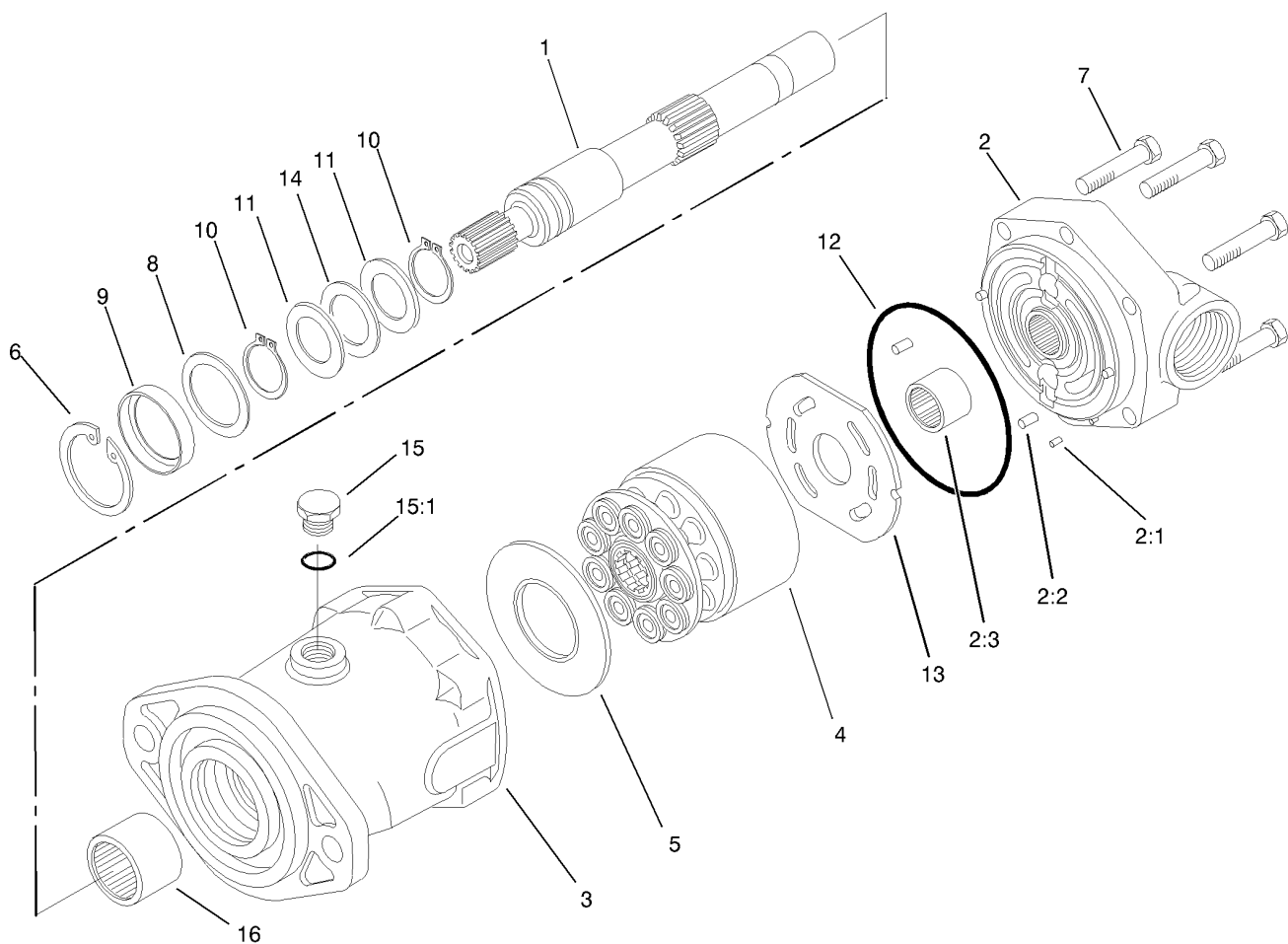
● Not illustrated

■ Not serviced separately



Brake Assembly No. 100-3070-03

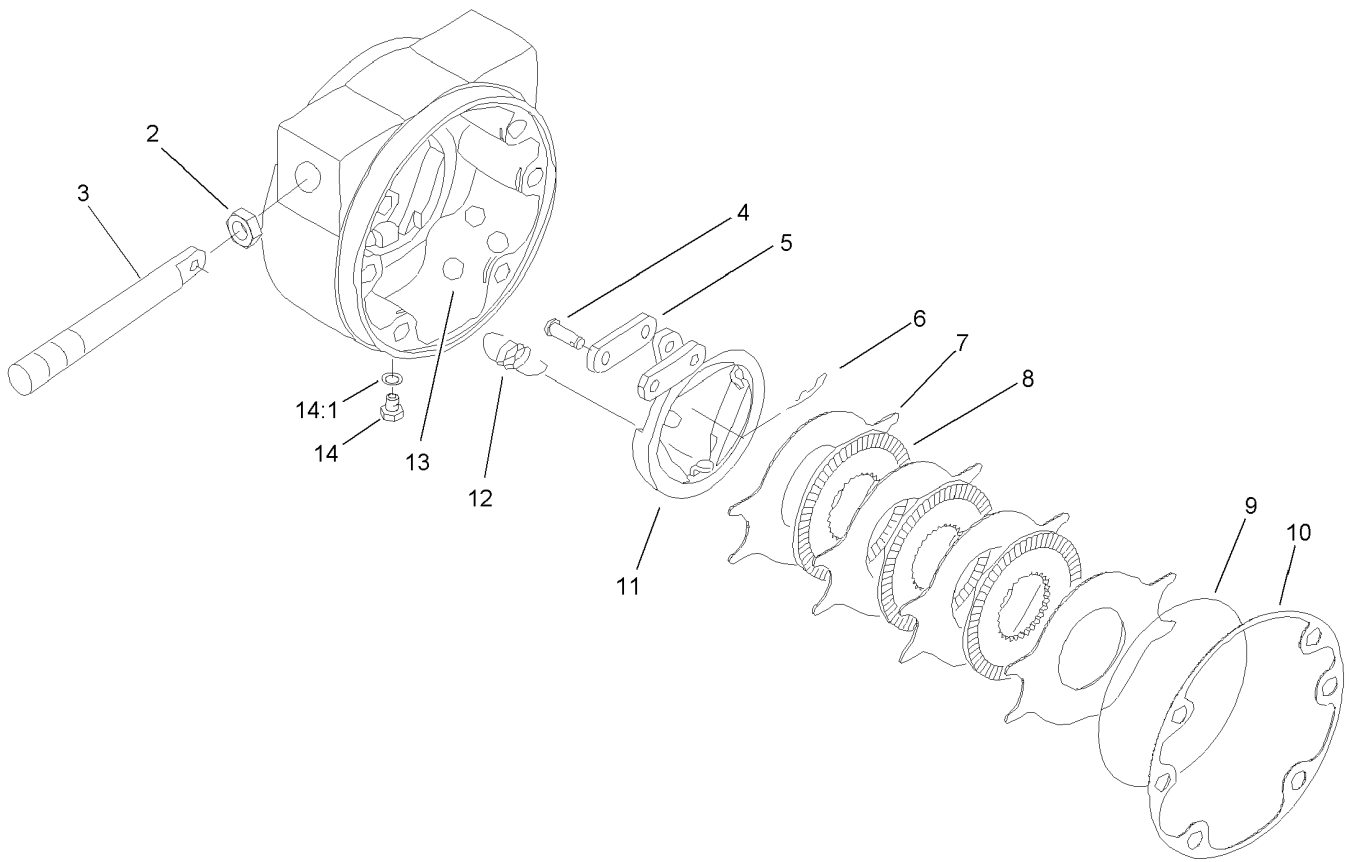
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4279	1	Actuator-Rotating
12	93-7987	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

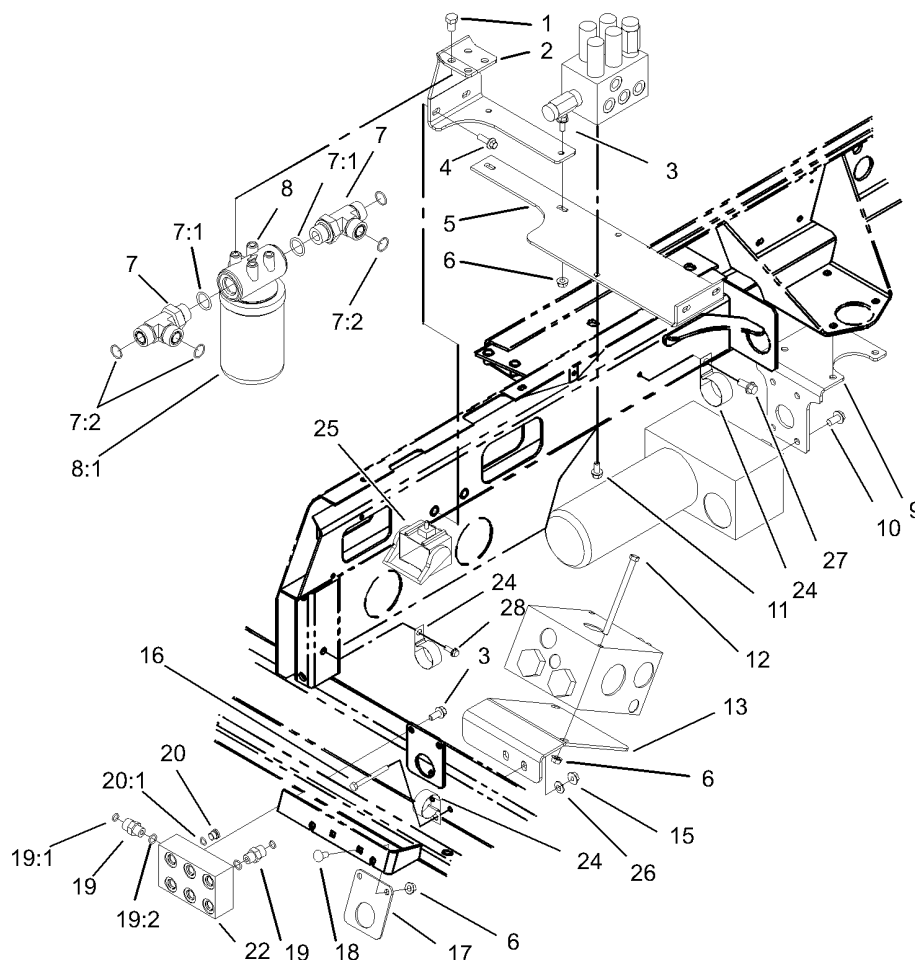
Ref.	Part Number	Qty.	Description
1	94-3004	1	Shaft-Drive, Splined
2	105-2851	1	Backplate ASM
2:1		3	Pin-Dowel ●
2:2		1	Pin-Dowel ●
2:3		1	Bearing-Needle ●
3		1	Housing ●
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
6	60-6260	1	Ring
7	94-3002	6	Capscrew
8	60-6240	1	Washer
9	105-3331	1	Seal-Shaft
10	76-7000	2	Ring-Retaining
11	76-6950	2	Race-Thrust
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

● Not serviced separately



Brake Assembly No. 100-3069-03

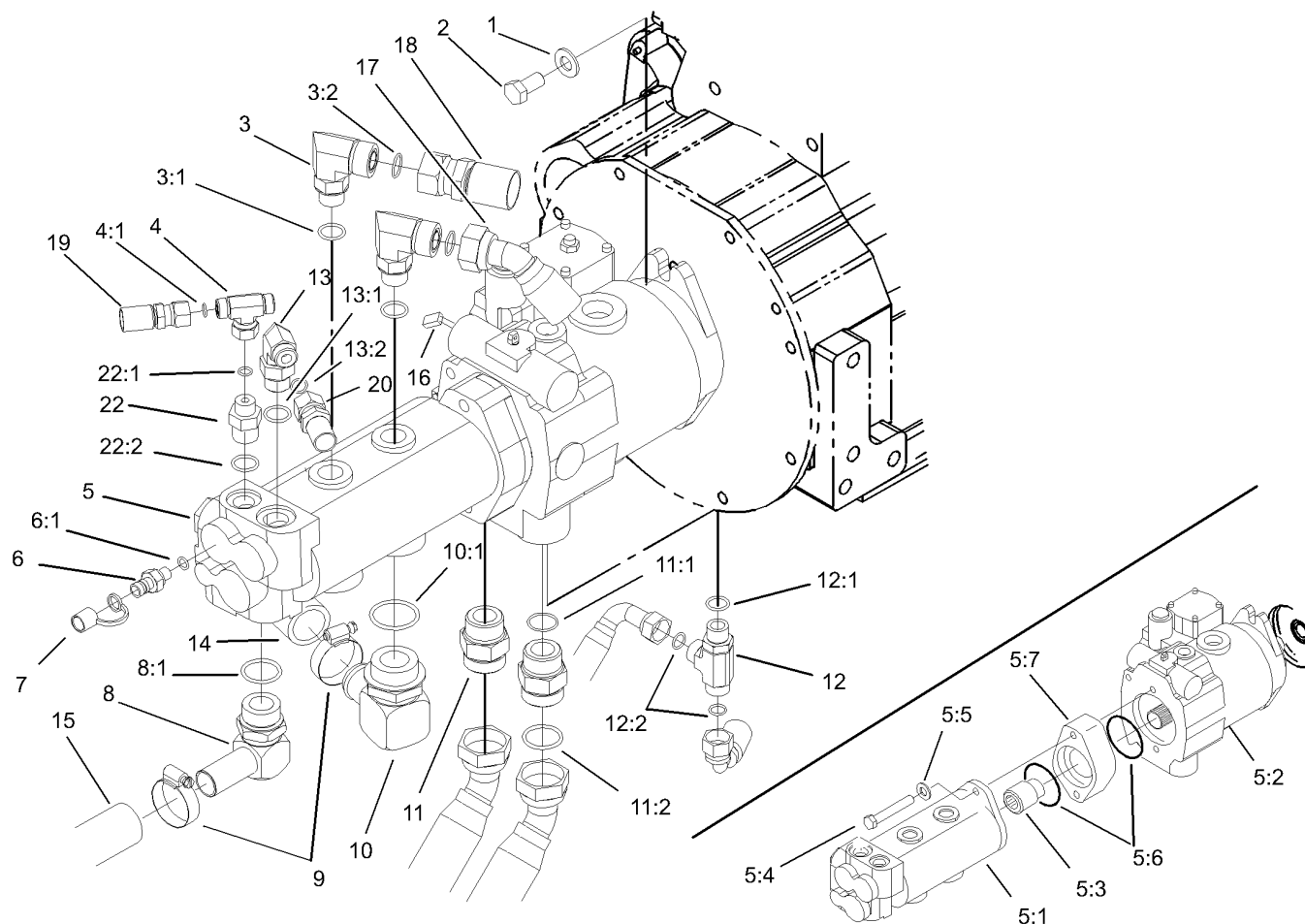
Ref.	Part Number	Qty.	Description
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4280	1	Actuator-Rotating
12	93-7987	3	Spring-Extension
13	93-7985	3	Ball
14	353-990	2	Plug
14:1	237-78	1	O-Ring



Manifold Mounting and Fitting Assembly

Ref.	Part Number	Qty.	Description
1	33115-016	4	Screw-HH
2	104-5492-03	1	Bracket-Mount, Filter
3	3234-5	4	Screw-HHF
4	3234-17	4	Screw-HHF
5	104-5493-03	1	Bracket-Mount, Valve
6	32128-20	6	Nut-HF
7	340-148	2	Fitting-Tee
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	2	Screw-HHF
12	322-48	2	Screw-HH
13	104-5467-03	1	Bracket-Mount, Valve

Ref.	Part Number	Qty.	Description
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-HYD, Straight
19:1	237-22	1	O-Ring
19:2	237-42	1	O-Ring
20	353-990	1	Plug
20:1	237-78	1	O-Ring
22	104-5515	1	Manifold-Junction, Lift
24	2412-150	3	Clip-J
25	105-9868	1	Harness-Wire, Main
26	3256-22	2	Washer-Flat
27	32144-14	1	Screw-HWHTF
28	3234-4	1	Screw-HHF

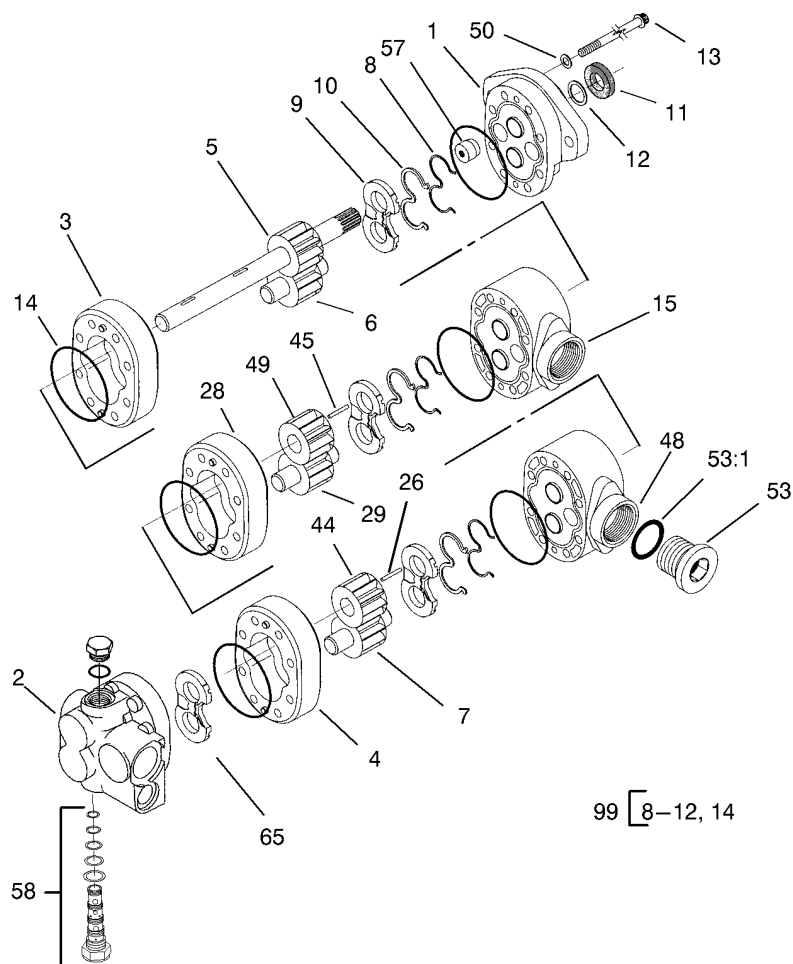


Hydraulic Pump Assembly

Ref.	Part Number	Qty.	Description
1	87-7270	2	Washer-Thrust
2	3213-2	2	Screw-HH
3	340-16	2	Fitting-HYD, 90 DEG
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		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

Ref.	Part Number	Qty.	Description
10	92-7526	1	Fitting-HYD, 90 DEG
10:1	237-101	1	O-Ring
11	104-3797	2	Fitting-HYD, Straight
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	HYD 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

● Not serviced separately

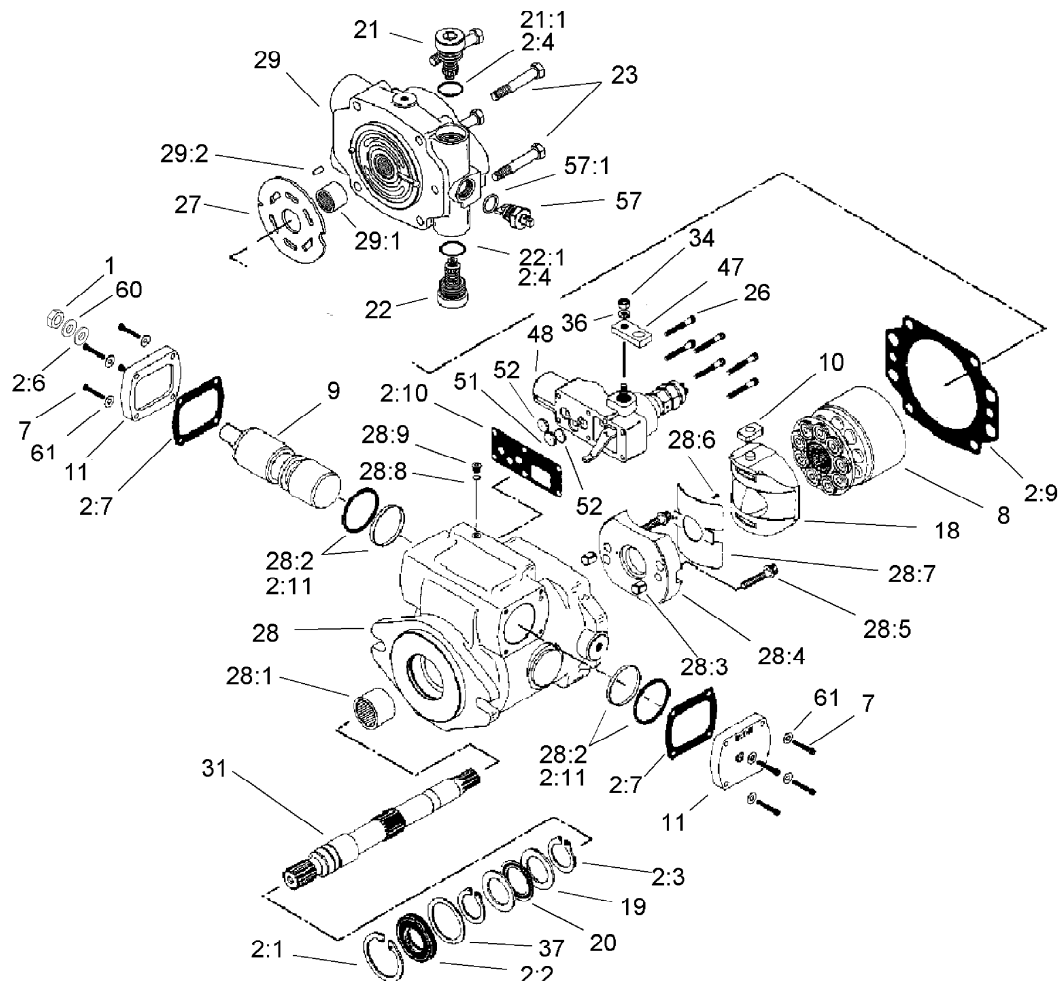


Triple Pump Assembly No. 105-9845

Ref.	Part Number	Qty.	Description
1		1	Front Plate ASM ●
2		1	Back Plate ASM ●
3		1	Body ●
4		1	Body ●
5		1	Drive Gear ASM ●
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 ●

Ref.	Part Number	Qty.	Description
26		1	Key ●
28		1	Body ●
29		1	Gear-Idler ●
44		1	Gear ●
45		1	Key ●
48		1	Plate-Adaptor ●
49		1	Gear ●
50	105-9850	4	Washer-Copper
53	94-3013	1	Plug
53:1		1	Seal-Dust ●
57	94-3011	1	Plug
58	107-1970	1	Valve-Proportional
65		1	Plate-Thrust ●
99	105-2868	1	Seal Kit

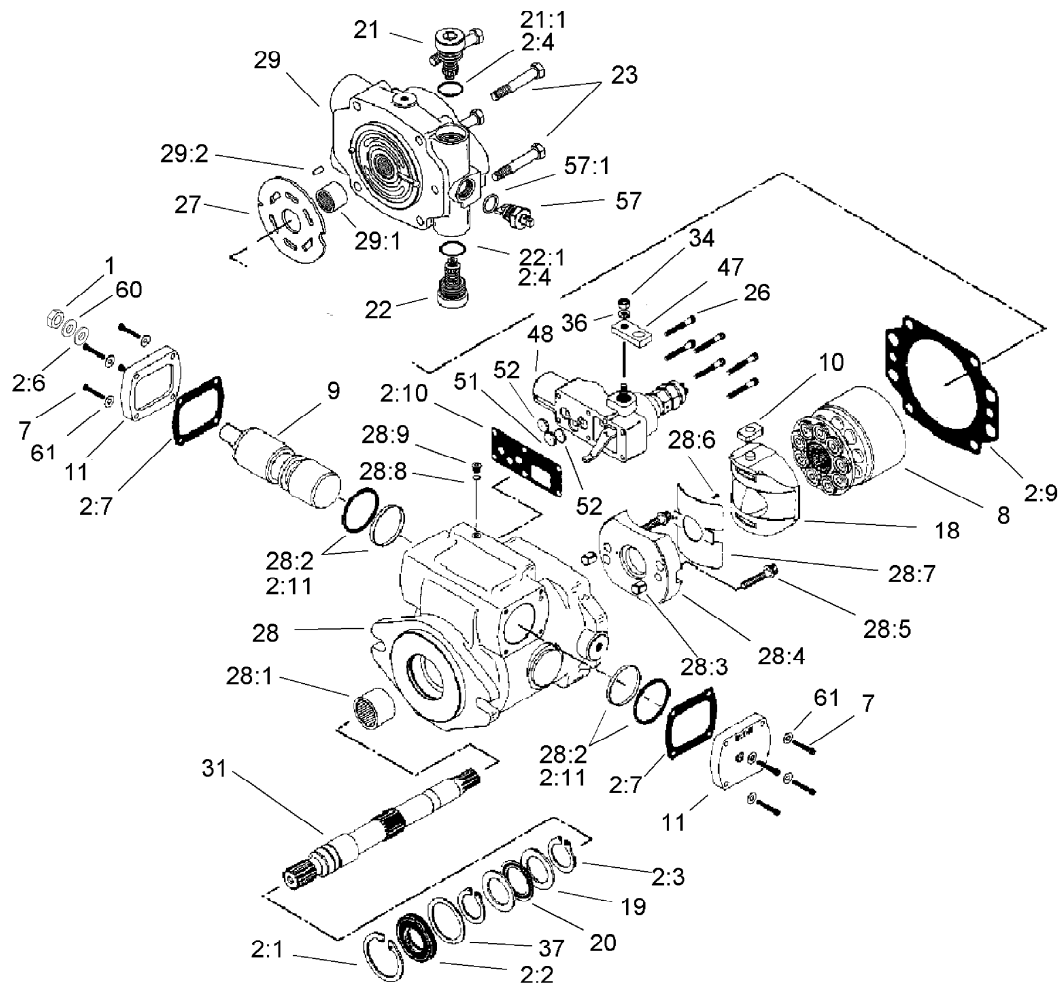
● Not serviced separately



Piston Pump Assembly No. 105-9846

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	3220-2	1	Nut-Jam	22:1		1	Seal-Dust ●
2	107-1561	1	Seal Kit	23	323-45	4	Screw-HH
2:1	60-6260	1	Ring	26	3274-59	6	Screw-HSH
2:2	105-3331	1	Seal-Shaft	27	105-9854	1	Plate-Valve
2:3	76-7000	2	Ring-Retaining	28	105-9855	1	Housing ASM
2:4		2	Seal-Dust ●	28:1		1	Bearing ●
2:5	93-6314	2	O-Ring	28:2		2	Seal ASM ●
2:6	94-3027	1	Washer-Seal	28:3		2	Dowel-Bushing ●
2:7	93-6339	2	Gasket	28:4		1	Cradle ASM ●
2:8	93-6376	1	O Ring	28:5		2	Screw ●
2:9	105-2900	1	Gasket-Housing	28:6		1	Screw ●
2:10	105-2901	1	Gasket-Housing, Control	28:7		1	Bushing ●
2:11		2	Seal ASM ●	28:8		1	Seal-Dust ●
2:12	74-9380	1	O-Ring	28:9		1	Plug ●
7	3274-81	8	Screw-HSH	29	105-9856	1	Backplate ASM
8	105-9851	1	Rotating Kit	29:1		1	Bearing ●
9	105-4572	1	Servo Piston ASM	29:2		1	Pin-Roll ●
10	94-3032	1	Follower-Piston	31	105-2861	1	Shaft-Drive
11	105-9853	1	Plate-Cover	34	3217-5	1	Nut-Hex
18	94-3026	1	Camplate ASM	36	3253-3	1	Washer-Lock
19	76-6950	2	Race-Thrust	37	60-6240	1	Washer
20	76-6960	1	Bearing-Thrust	47	94-3031	1	Arm-Control
21	105-2857	1	Valve-Relief	48	93-6306	1	Control ASM
21:1		1	Seal-Dust ●	51	105-2909	1	Orifice-Control, .036 Dia
22	105-2857	1	Valve-Relief	52	94-3041	2	Orifice-Control (.028 Dia)

● Not serviced separately

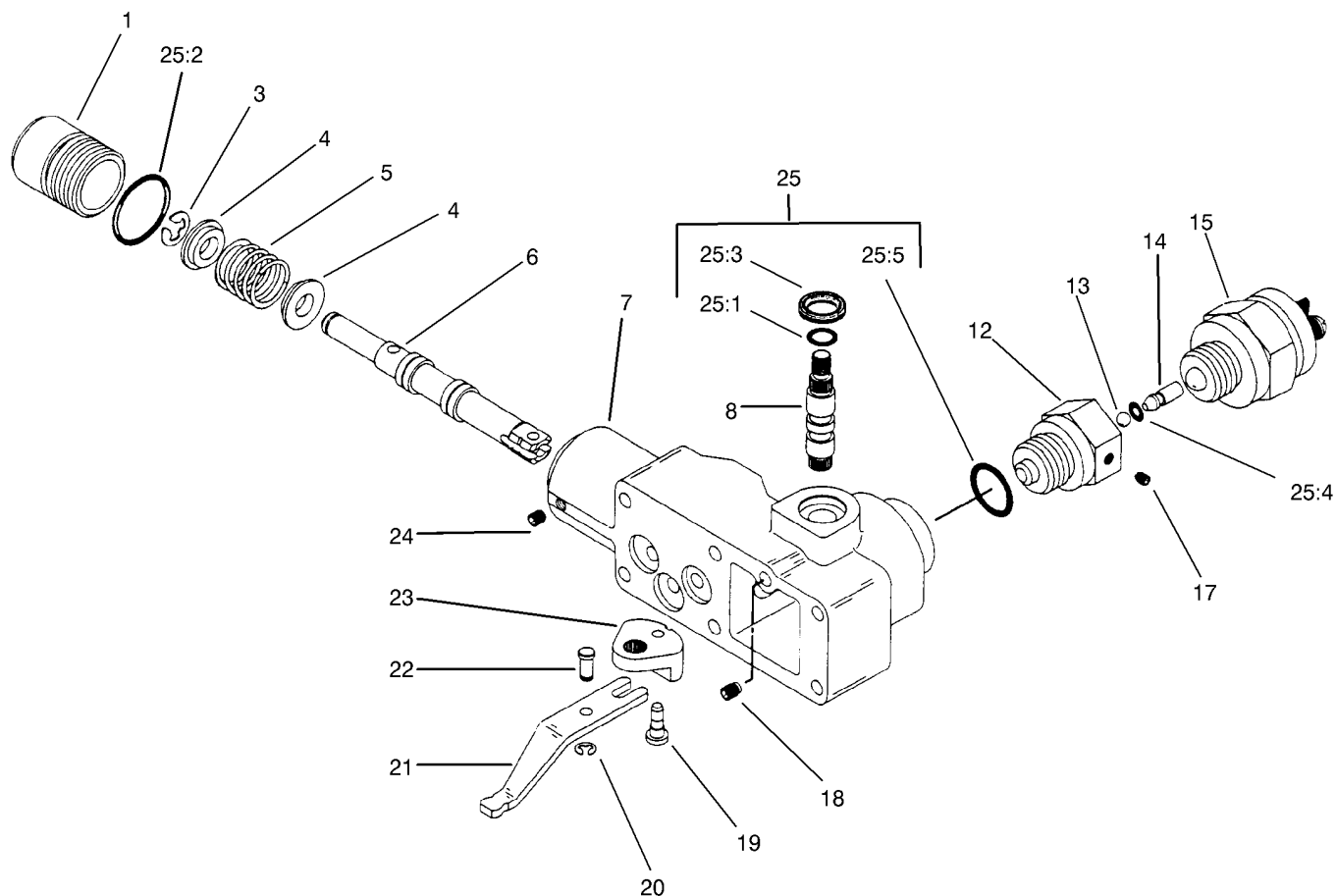


Piston Pump Assembly No. 105-9846 (continued)

Ref.	Part Number	Qty.	Description
57	105-2864	1	Valve-Bypass
57:1		1	Seal-Dust ●

Ref.	Part Number	Qty.	Description
60	94-3030	1	Washer
61	3256-77	8	Washer-Flat

● Not serviced separately

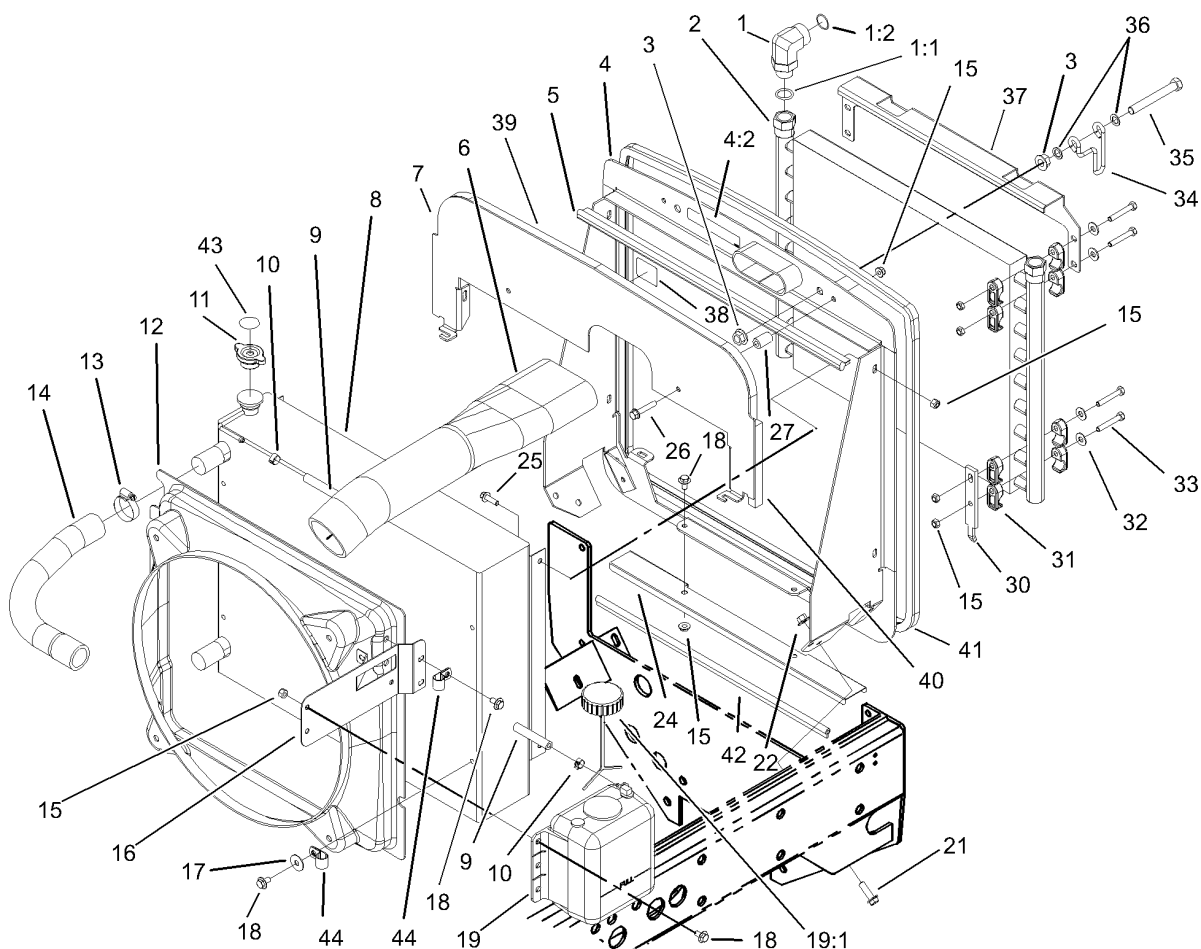


Control Assembly No. 93-6306

Ref.	Part Number	Qty.	Description
1		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	94-3043	1	Switch-Safety, Neutral
17		1	Screw-Set ●
18		1	Screw-Set ●

Ref.	Part Number	Qty.	Description
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 ●

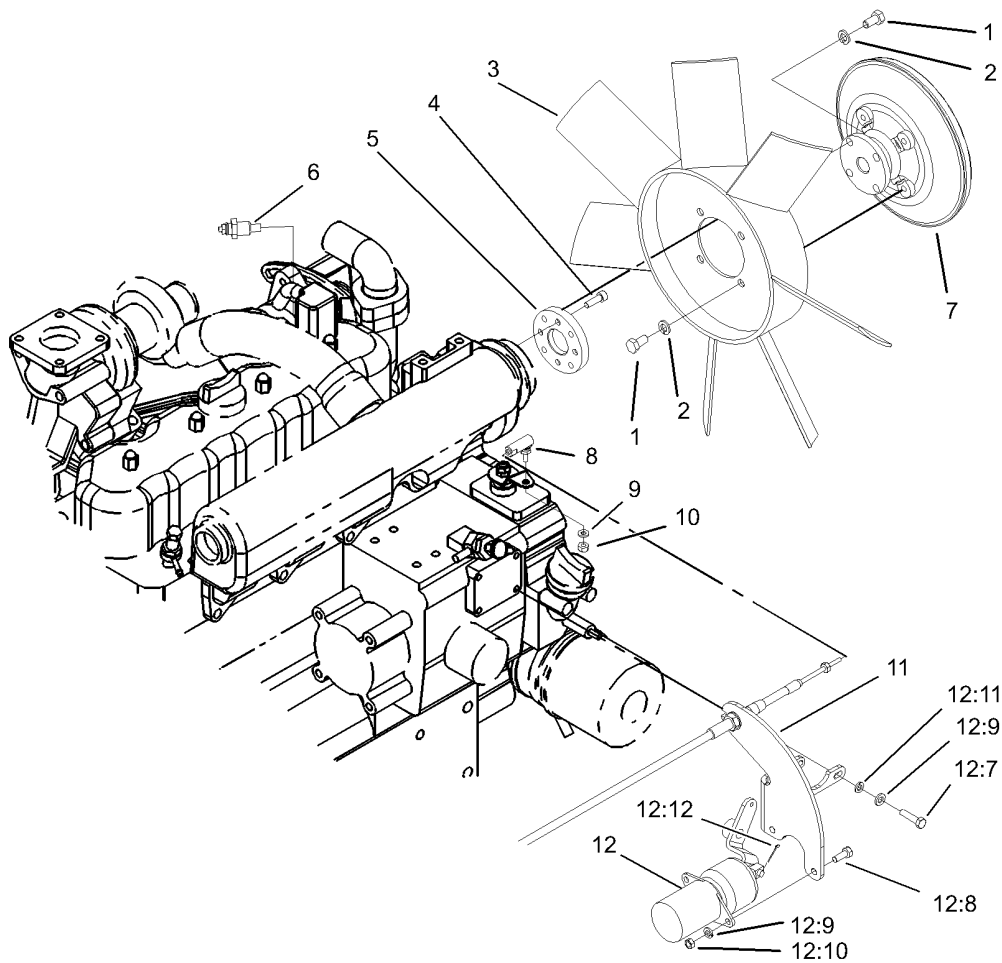
● Not serviced separately



Radiator Assembly

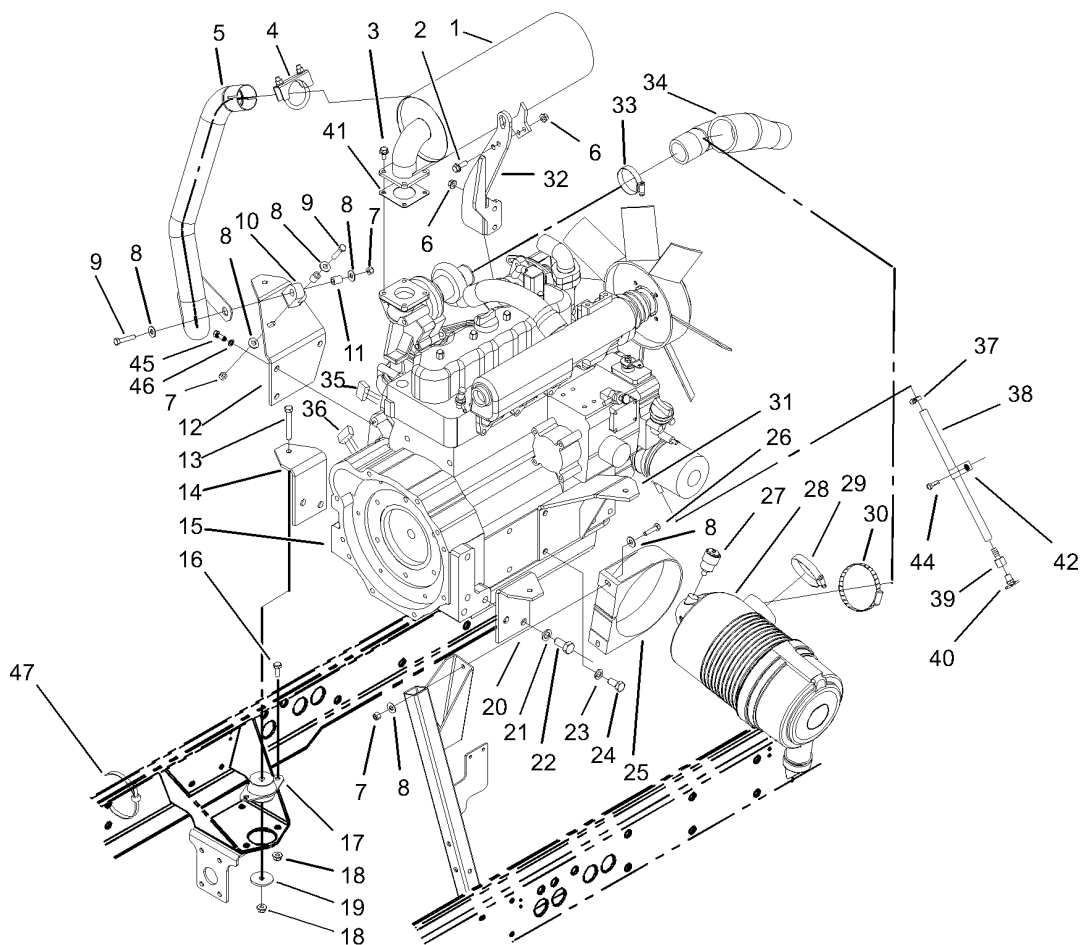
Ref.	Part Number	Qty.	Description
1	104-3796	2	Fitting-HYD, 90 DEG
1:1	237-81	1	O-Ring
1:2	340-65	1	O-Ring
2	99-5495	1	Cooler-Oil
3	32128-49	4	Nut-HHF
4	105-3994	1	Bracket-Radiator
4:2	93-7272	1	Decal-Warning
5	104-2223	1	Seal-Bulb
6	100-5550	1	Hose-Cleaner, Air
7	105-3934-03	1	Bracket-Seal, Hood
8	99-5426	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

Ref.	Part Number	Qty.	Description
19:1	87-7050	1	Cap-Reservoir
21	3234-11	4	Screw-HHF
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 Number	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

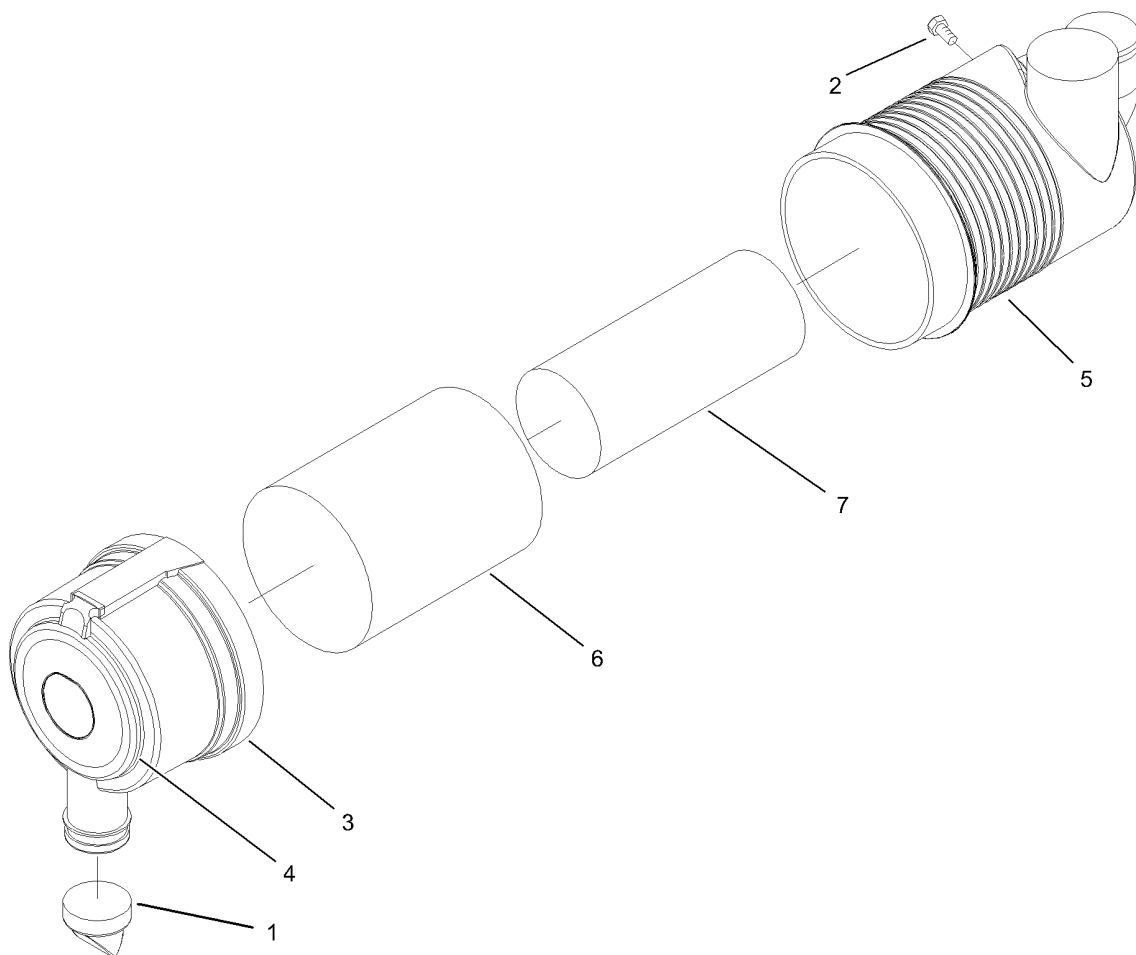


Engine Installation Assembly

Ref.	Part Number	Qty.	Description
1	99-5424	1	Muffler-Turbo
2	33104-025	2	Screw-HHF
3	33104-016	4	Screw-HHF
4	18-2130	1	Clamp ASM
5	104-5461	1	Pipe-Exhaust
6	33004-00	4	Nut-HF
7	3296-29	4	Nut-Lock, NI
8	3256-3	8	Washer-Flat
9	322-9	2	Screw-HH
10	95-5622	1	Hanger-Rubber
11	93-5023	2	Spacer
12	106-2048-03	1	Mount-Engine, RH
13	323-13	4	Screw-HH
14	100-3148-03	1	Mount-Engine, RH
15	99-5413	1	Engine-Turbo, Kubota
16	3234-11	10	Screw-HHF
17	53-9682	4	Mount-Engine-Green
18	104-8301	14	Nut-Flange, NI
19	63-7400	4	Washer-Rebound
20	100-3147-03	1	Mount-Engine, LH
21	43-5950	4	Washer-Lock, Spring
22	43-3210	4	Screw-HH
23	48-8070	5	Washer-Lock
24	42-9250	5	Bolt

Ref.	Part Number	Qty.	Description
25	99-5414	1	Strap-Cleaner, Air
26	322-6	2	Screw-HH
27	104-3563	1	Indicator
27:1	94-1416	1	Indicator Adapter ASM ●
28	99-5410	1	Cleaner-Air
29	2412-125	1	Clamp-Hose
30	2412-110	1	Clamp-Hose
31	106-2049-03	1	Mount-Engine, LH
32	99-5421-03	1	Bracket-Mounting
33	2412-92	1	Clamp-Hose
34	99-5415	1	Hose-Cleaner, Air
35	99-3441	1	Harness-Wire, Fusible Link
36	105-9869	1	Harness-Wire, Engine
37	2412-108	2	Clamp-Worm
38	99-7376	1	Hose-Breather
39	354-94	1	Fitting-Female, Barbed
40	93-5528	1	Fitting-Cock, Drain
41	100-9333	1	Gasket-Muffler
42	2412-150	1	Clip-J
44	32144-14	1	Screw-HWHTF
45	43-0090	1	Screw-HH
46	48-9590	1	Washer-Lock
47	3290-378	3	Tie-Cable

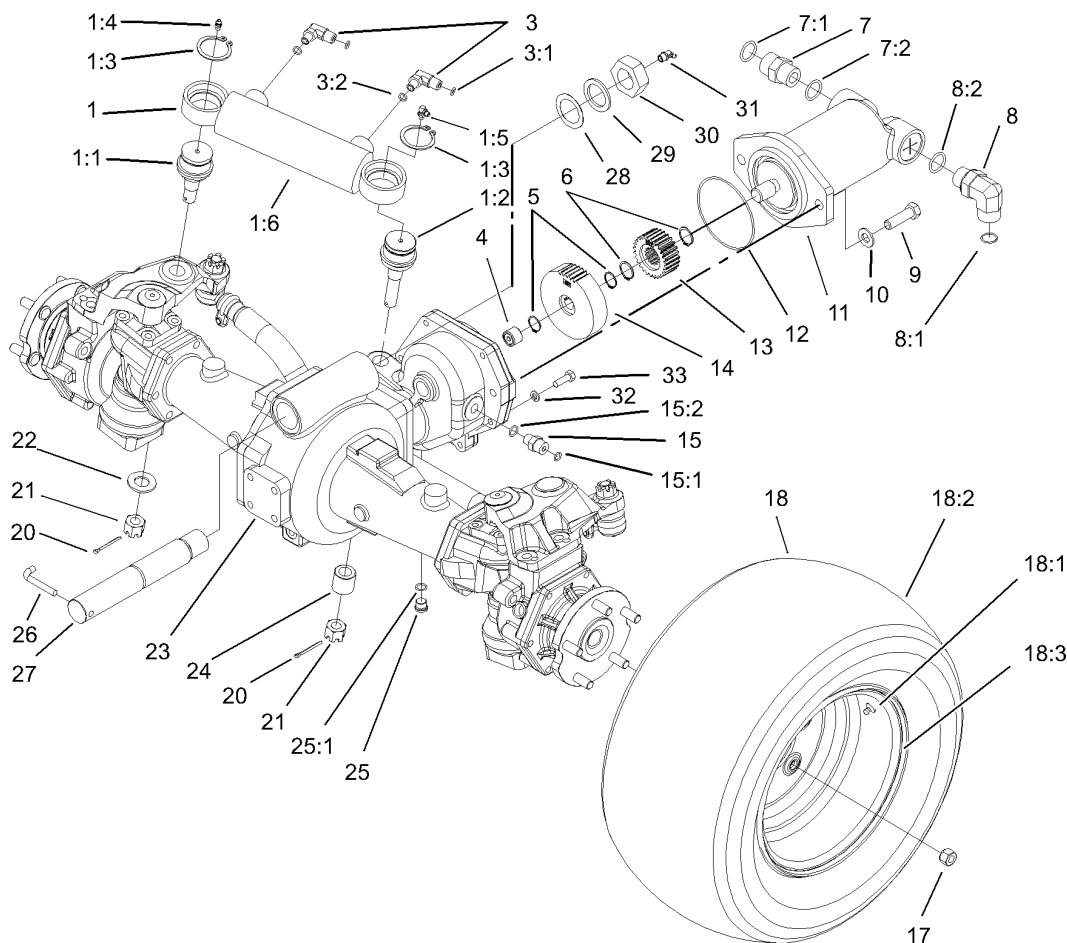
● Not illustrated



Air Cleaner Assembly No. 99-5410

Ref.	Part Number	Qty.	Description
1	104-4258	1	Valve-Vacuator
2		1	Plug-Pipe ●
3	104-4259	1	Cover ASM
4		1	Marking ●
5		1	Body ASM ●
6	104-4260	1	Element ASM
7	104-4261	1	Element ASM

● Not serviced separately

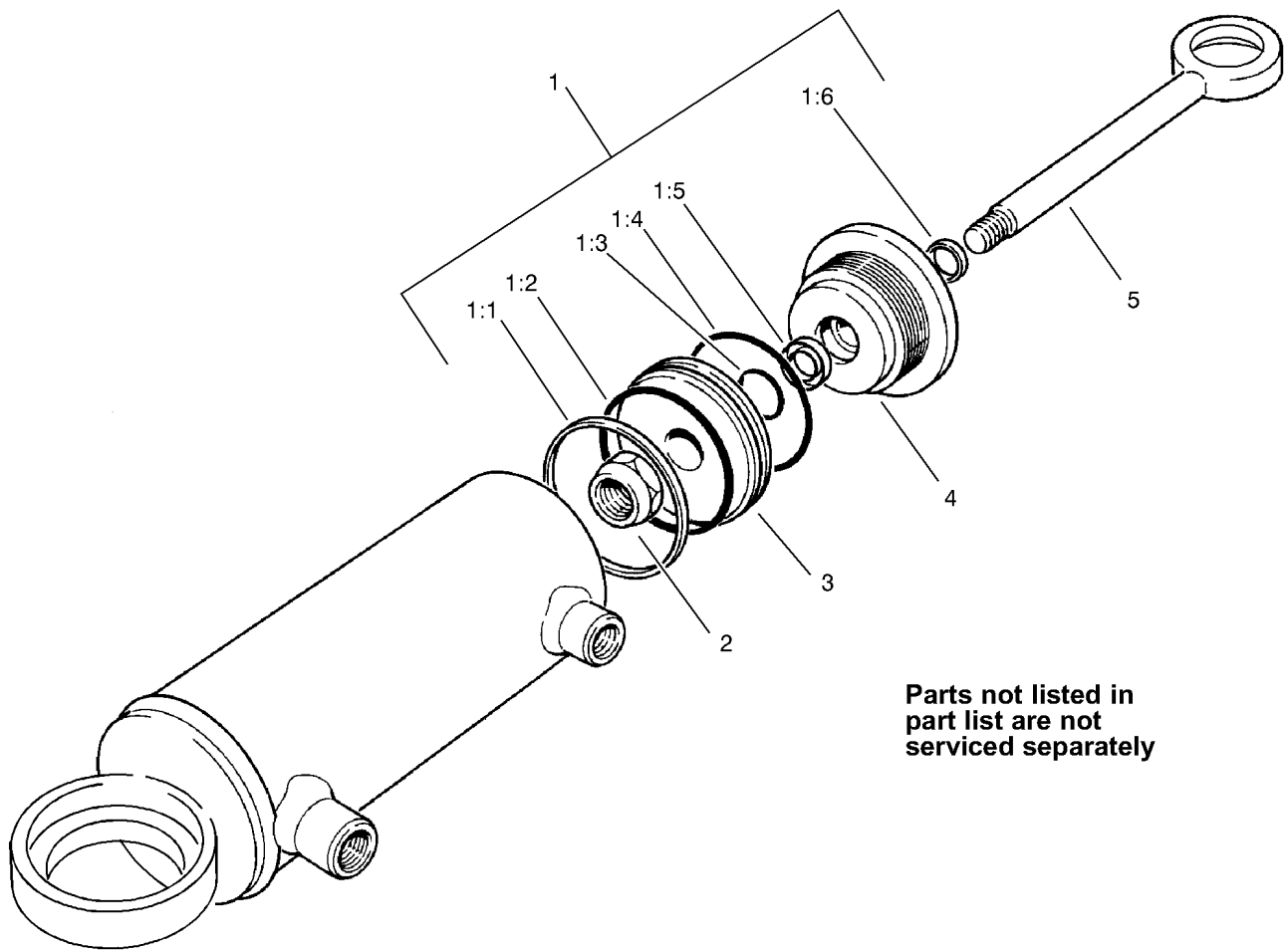


Rear Axle Assembly

Ref.	Part Number	Qty.	Description
1	105-9861	1	Steering Cylinder ASM
1:1	106-6774	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
1:6		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	HYD Motor ASM
12	237-166	1	O-Ring
13	104-0755	1	Pinion-27 Tooth

Ref.	Part Number	Qty.	Description
14	100-3053	1	Gear-45 Tooth
15	340-2	1	Fitting-HYD, Straight
15:1	237-22	1	O-Ring
15:2	237-42	1	O-Ring
17	93-5268	10	Nut-Lug
18		2	Tire And Wheel ASM ●
18:1	232-27	1	Stem-Valve
18:2	104-0451	1	Tire-Turf, Trac
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

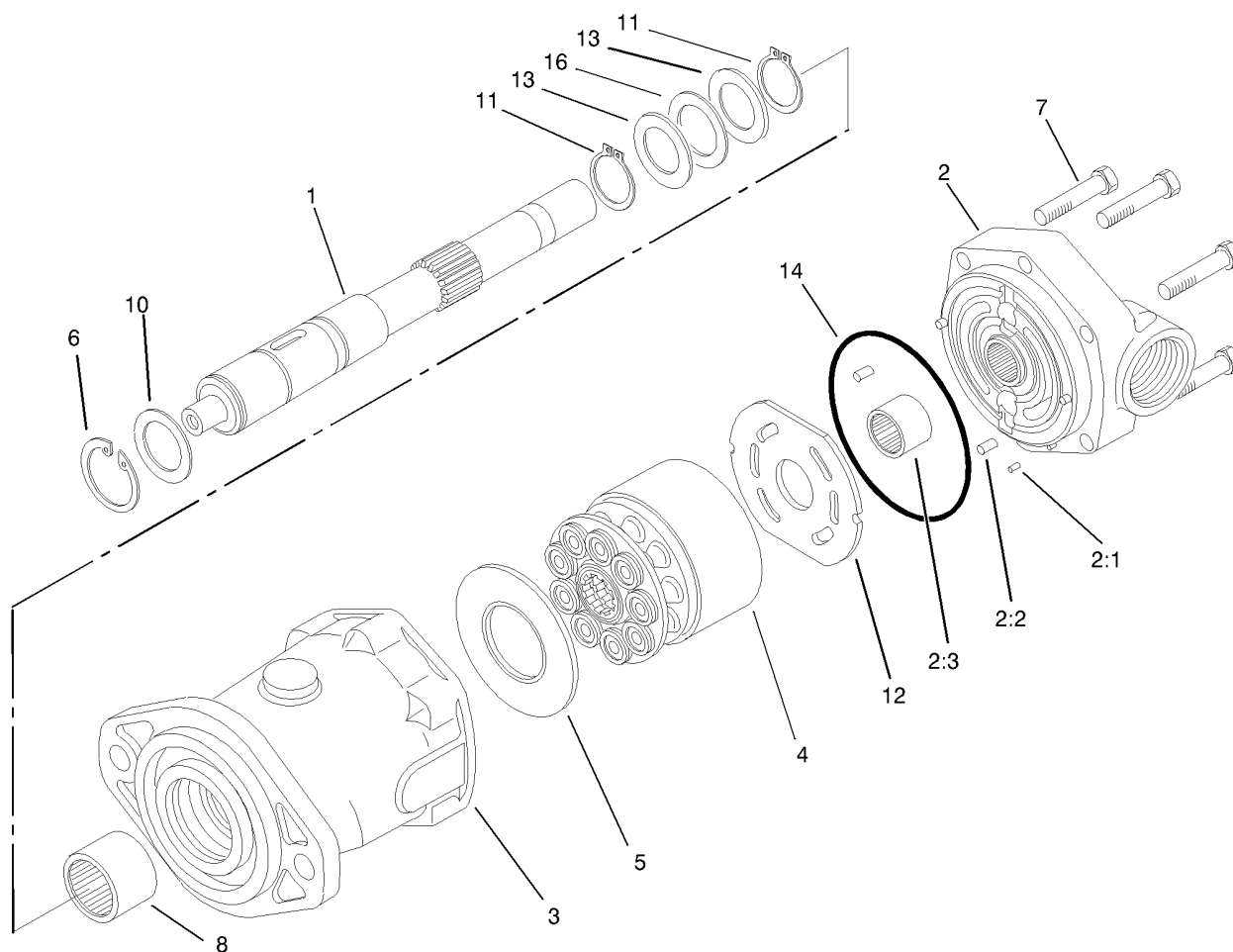
● Not serviced separately



Cylinder Assembly No. 105-9861

Ref.	Part Number	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 ●

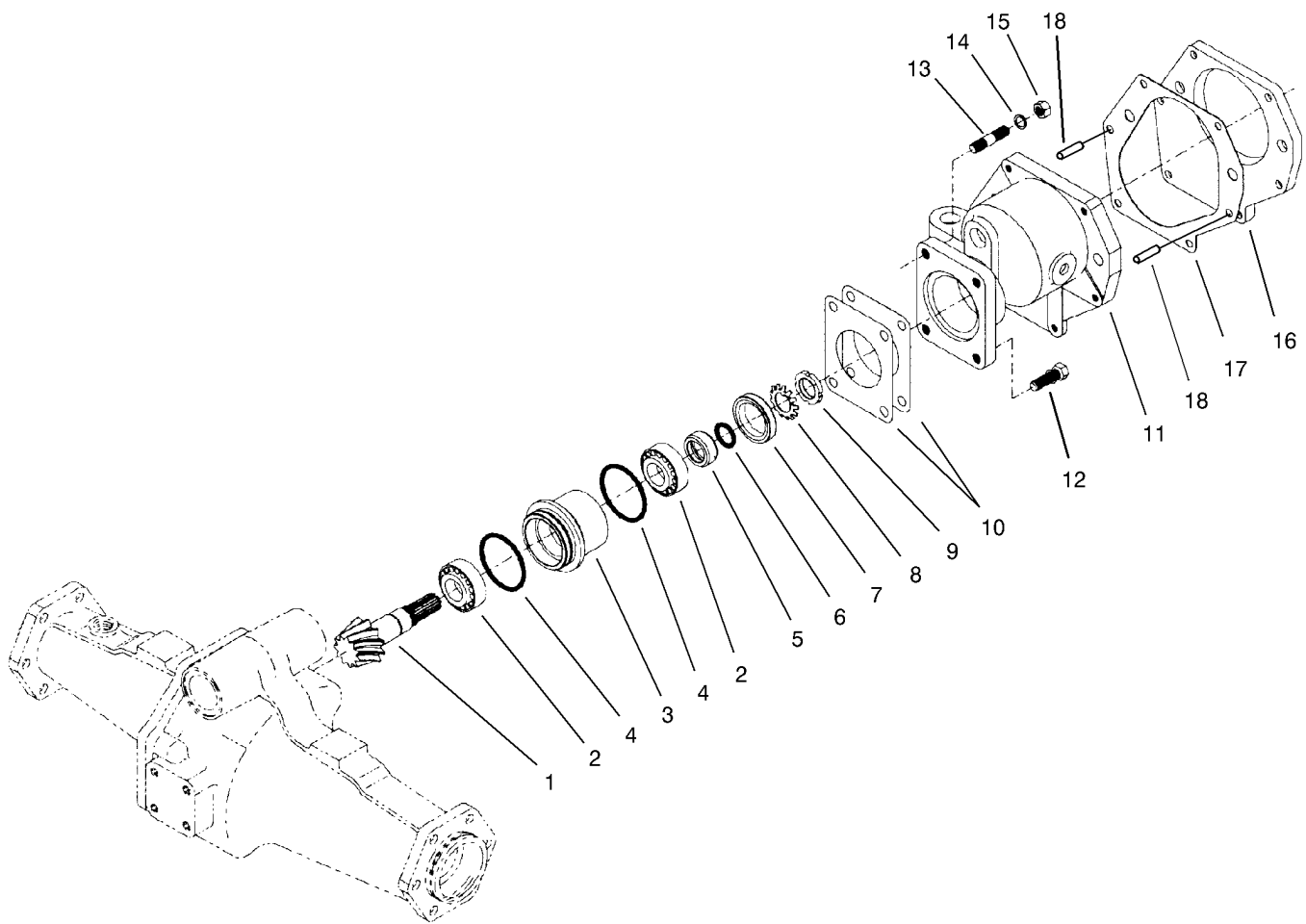
● Not serviced separately



Piston Motor Assembly No. 105-1219

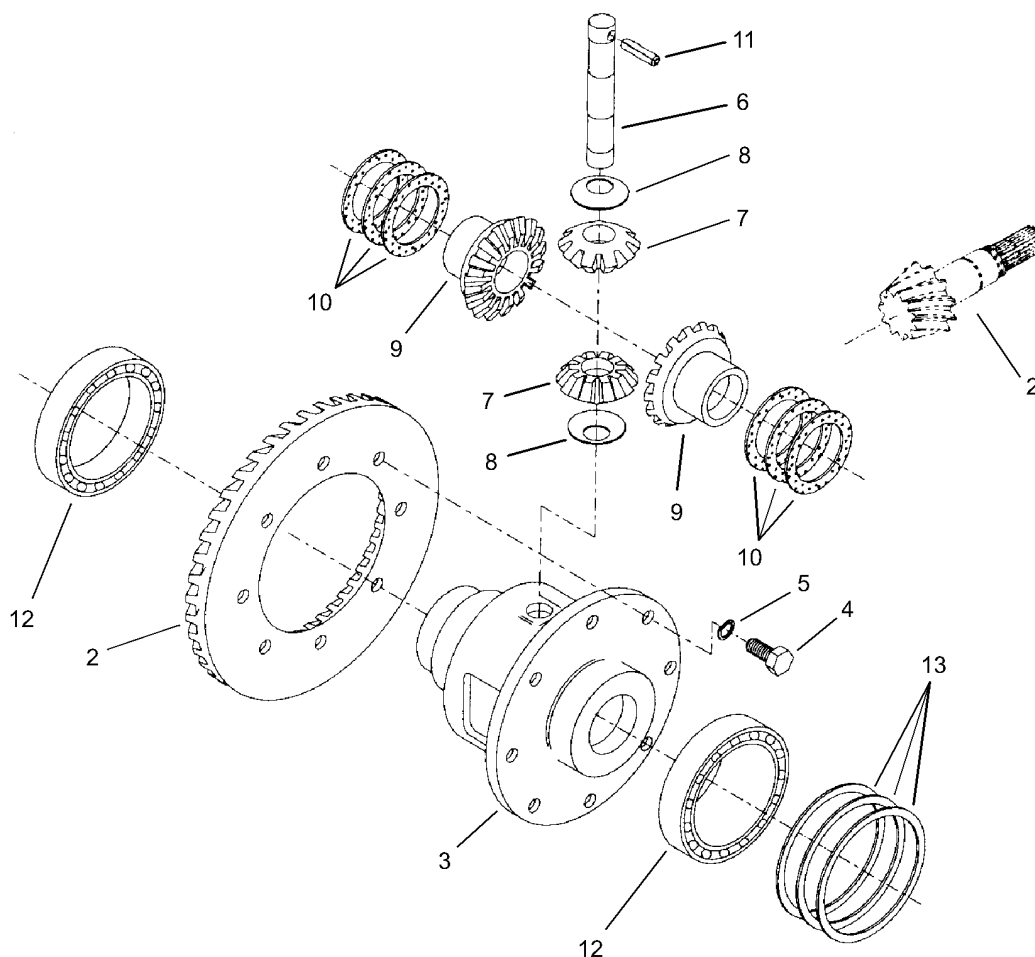
Ref.	Part Number	Qty.	Description
1	105-2853	1	Shaft-Drive
2	100-2551	1	Backplate
2:1		3	Pin-Dowel ●
2:2		1	Pin-Dowel ●
2:3		1	Bearing-Needle ●
3		1	Housing ●
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
6	60-6260	1	Ring
7	94-3002	6	Capscrew
8	63-4390	1	Bearing-Needle
10	76-7020	1	Spacer
11	76-7000	2	Ring-Retaining
12	94-3003	1	Plate-Valve
13	76-6950	2	Race-Thrust
14	76-6980	1	O-Ring
16	60-6170	1	Bearing-Thrust

● Not serviced separately



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

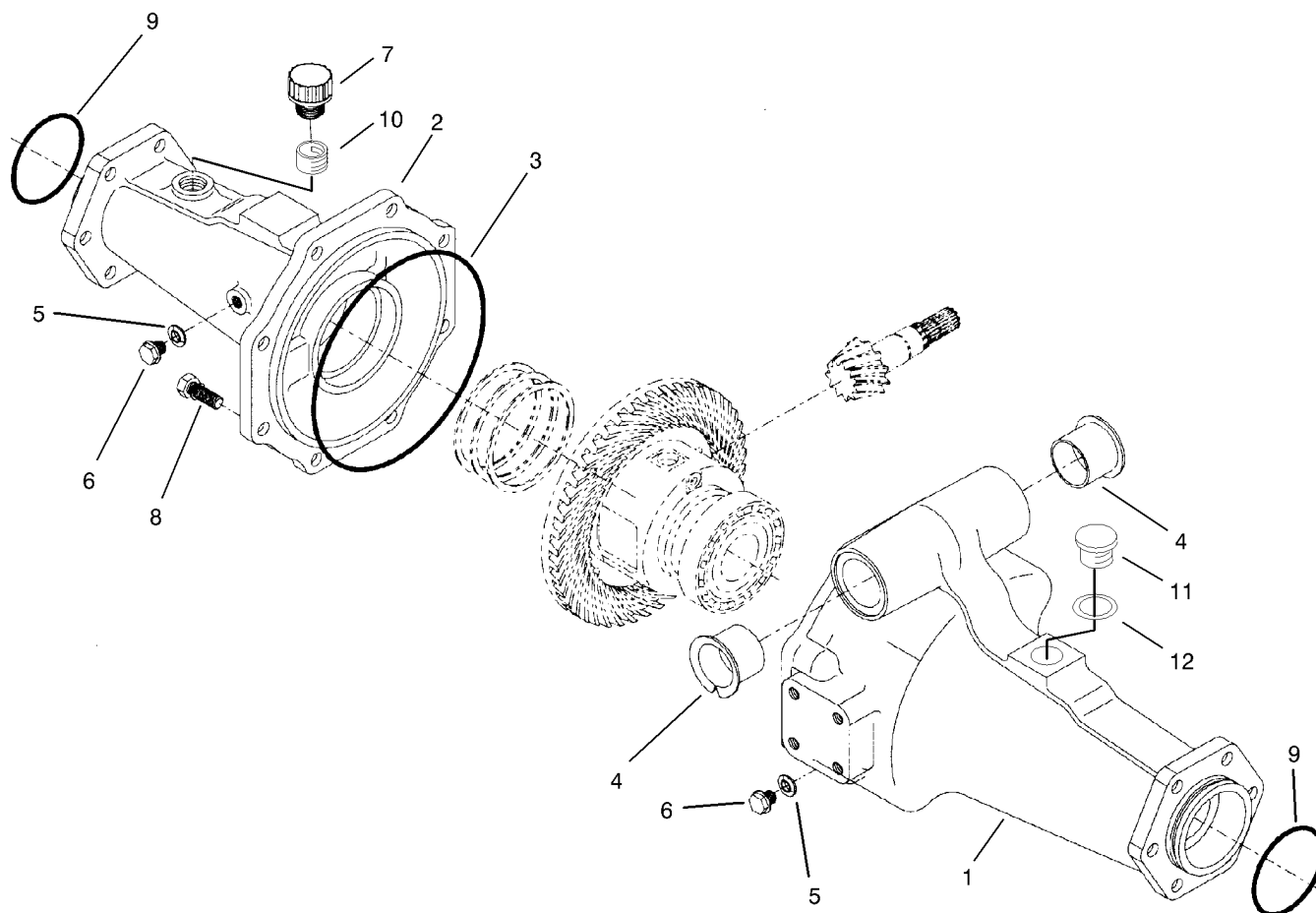
Ref.	Part Number	Qty.	Description
1	100-2555	1	Ring And Pinion Matched Set
2	99-7570	2	Bearing-Roller, Taper
3	95-7534	1	Case-Bearing
4	99-7571	2	O-Ring
5	99-7572	1	Collar-Seal, Oil
6	99-7573	1	O-Ring
7	99-7574	1	Seal-Oil
8	99-7559	1	Washer-Lock
9	99-7560	1	Nut-Lock
10	99-7550	2	Shim 0.1
10	99-7551	2	Shim 0.2
11	95-7533	1	Case-Gear
12	99-7575	2	Bolt
13	98-7735	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

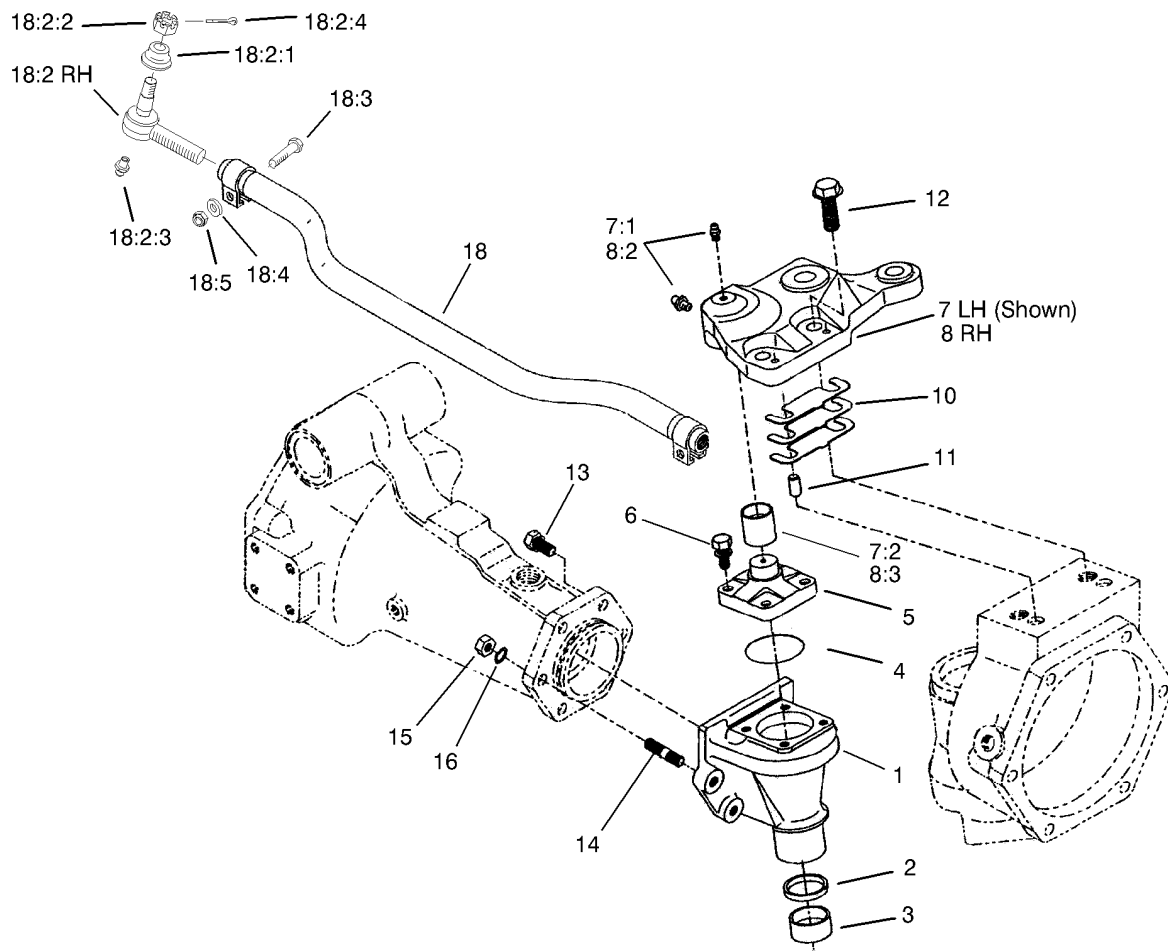
Ref.	Part Number	Qty.	Description
1	95-7503	1	Differential ASM ●
2	100-2555	1	Ring And Pinion Matched Set
3	95-7502	1	Case-Differential
4	99-7576	8	Bolt
5	99-7577	8	Washer-Spring
6	99-7578	1	Shaft-Differential
7	99-7579	2	Pinion-Differential
8	99-7580	2	Washer-Differential
9	99-7581	2	Gear-Differential
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

● Not illustrated



Axle Support Assembly Rear Axle Assembly No. 100-3784

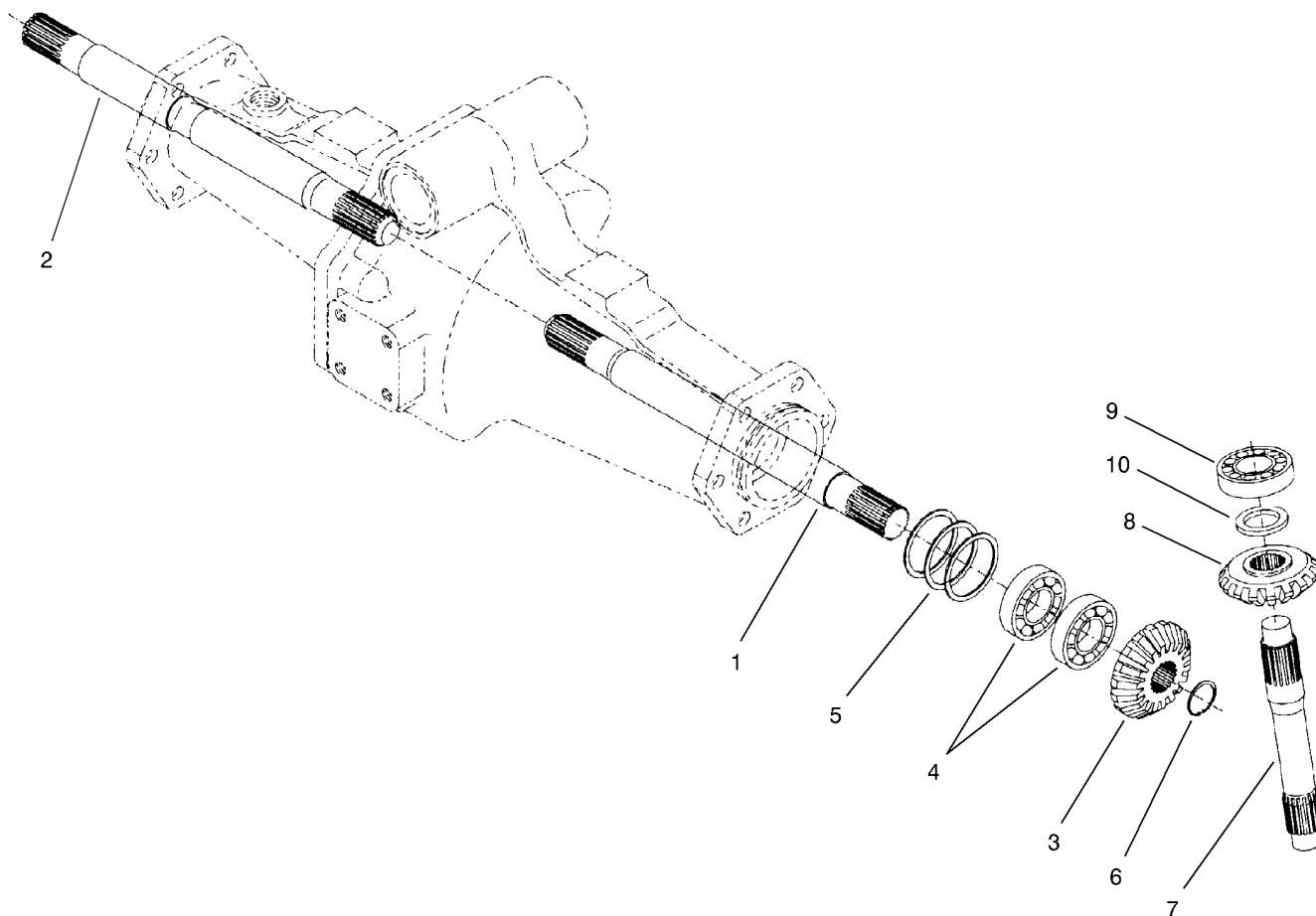
Ref.	Part Number	Qty.	Description
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	95-7507	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7590	2	Washer-Seal
6	99-7589	2	Plug
7	99-7591	1	Oil Plug ASM
8	99-7592	8	Bolt
9	99-7593	2	O-Ring
10	104-2377	1	Extension-Vent
11	104-8643	1	Plug
12	104-8644	1	O-Ring



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

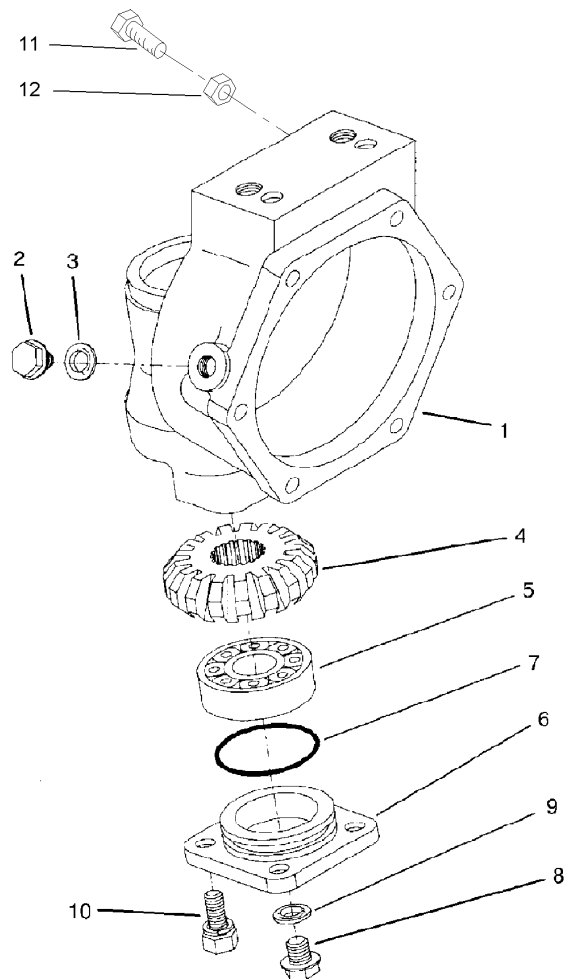
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	95-7538	2	Case-Gear, Bevel	14	99-7525	4	Stud
2	100-2557	2	Seal-Oil	15	99-7526	4	Nut
3	104-2378	2	Bushing	16	99-7527	4	Washer-Spring
4	104-2372	2	O-Ring	18	100-3762	1	Tie Rod ASM
5	104-2373	2	Knuckle	18:1	100-3851	1	LH Tie Rod End ASM ●
6	104-2374	8	Bolt	18:1:1	100-3853	1	Cover-Dust ●
7	100-3768	1	LH Steering Arm ASM	18:1:2	100-3854	1	Nut-Castle ●
7:1	302-5	2	Fitting-Grease	18:1:3	302-5	1	Fitting-Grease ●
7:2	104-8634	1	Bushing	18:1:4	3272-11	1	Pin-Cotter ●
8	100-3766	1	RH Steering Arm ASM	18:2	100-3852	1	RH Tie Rod End ASM
8:2	302-5	2	Fitting-Grease	18:2:1	100-3853	1	Cover-Dust
8:3	104-8634	1	Bushing	18:2:2	100-3854	1	Nut-Castle
10	95-7547	2	Shim 0.1	18:2:3	302-5	1	Fitting-Grease
10	95-7548	2	Shim 0.2	18:2:4	3272-11	1	Pin-Cotter
10	95-7549	2	Shim 0.3	18:3	100-3855	2	Bolt
11	99-7597	4	Pin-Dowel	18:4	99-7527	2	Washer-Spring
12	104-2375	4	Bolt	18:5	99-7526	2	Nut
13	99-7599	8	Bolt				

● Not illustrated



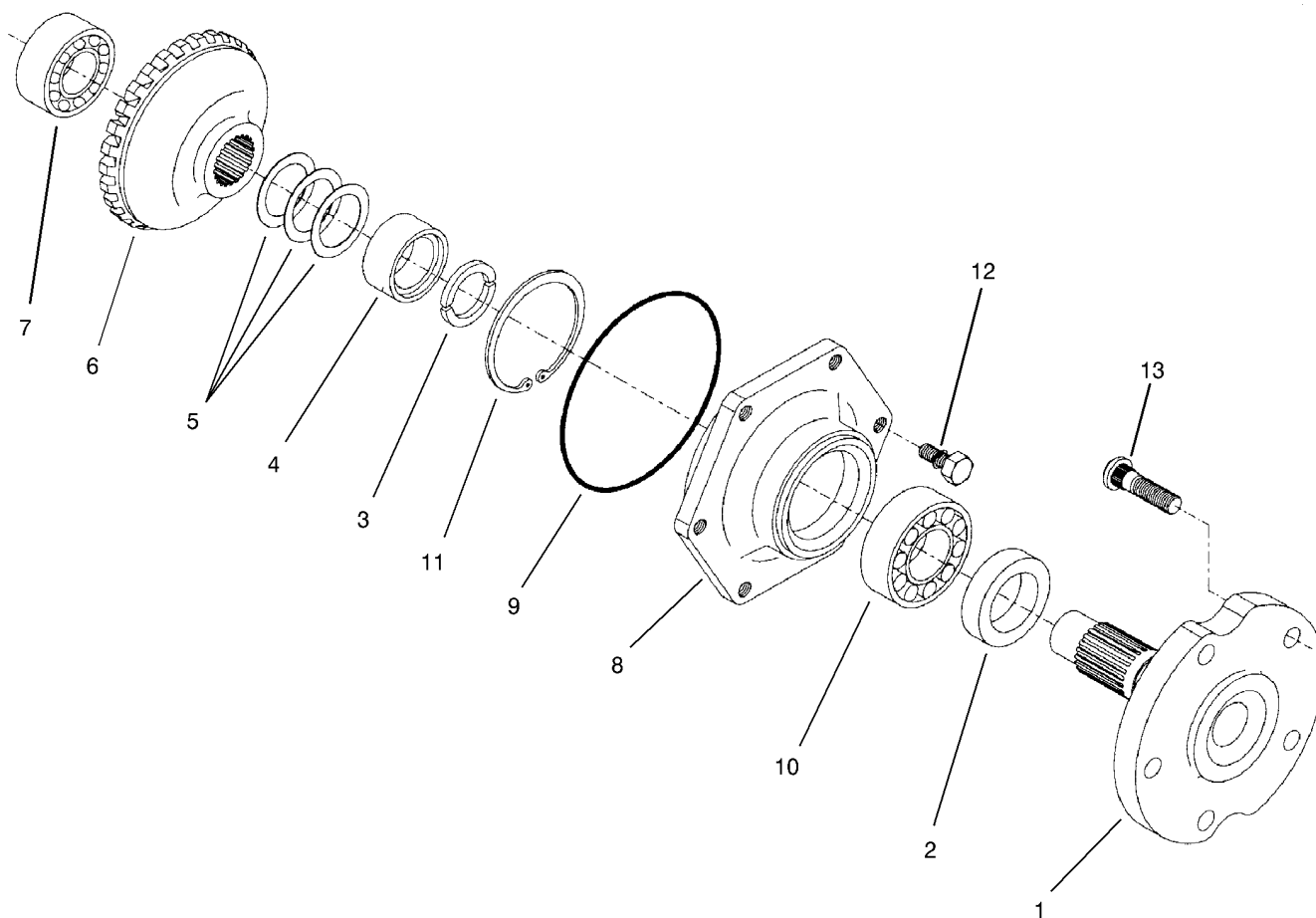
Bevel Gear Shaft Assembly Rear Axle Assembly No. 100-3784

Ref.	Part Number	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



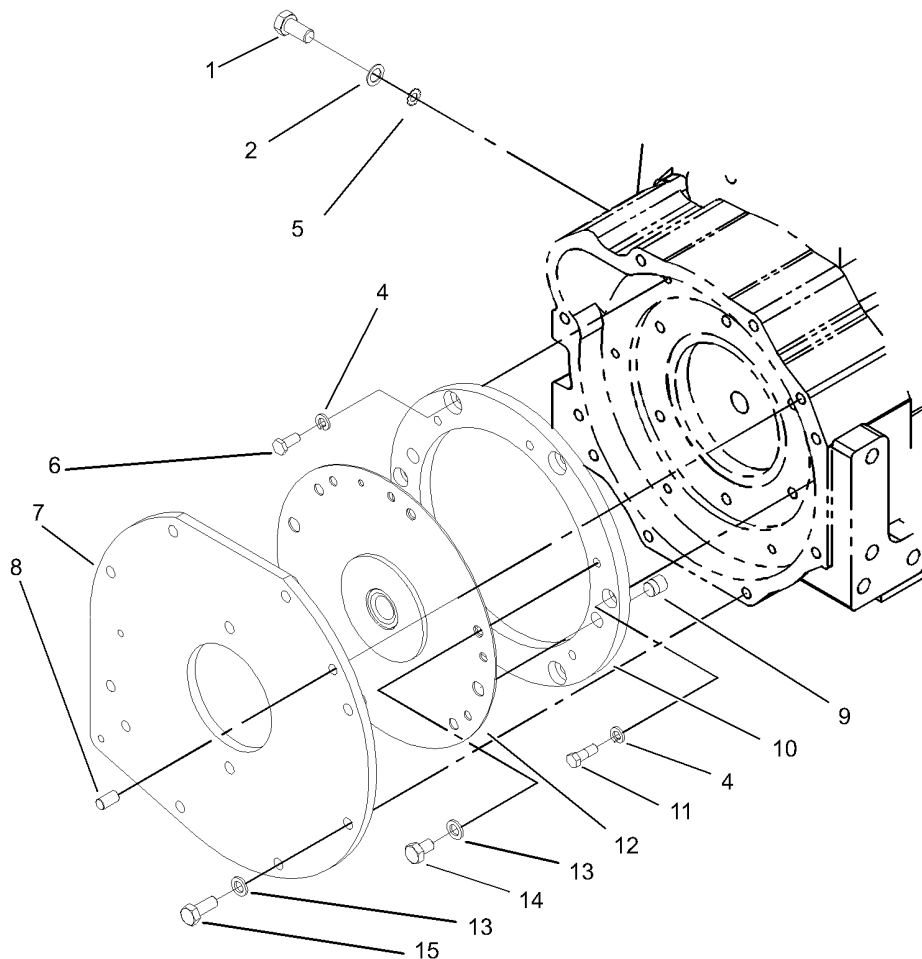
Axle Case Assembly Rear Axle Assembly No. 100-3784

Ref.	Part Number	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
11	106-1102	2	Bolt-Stop
12	106-1103	2	Nut



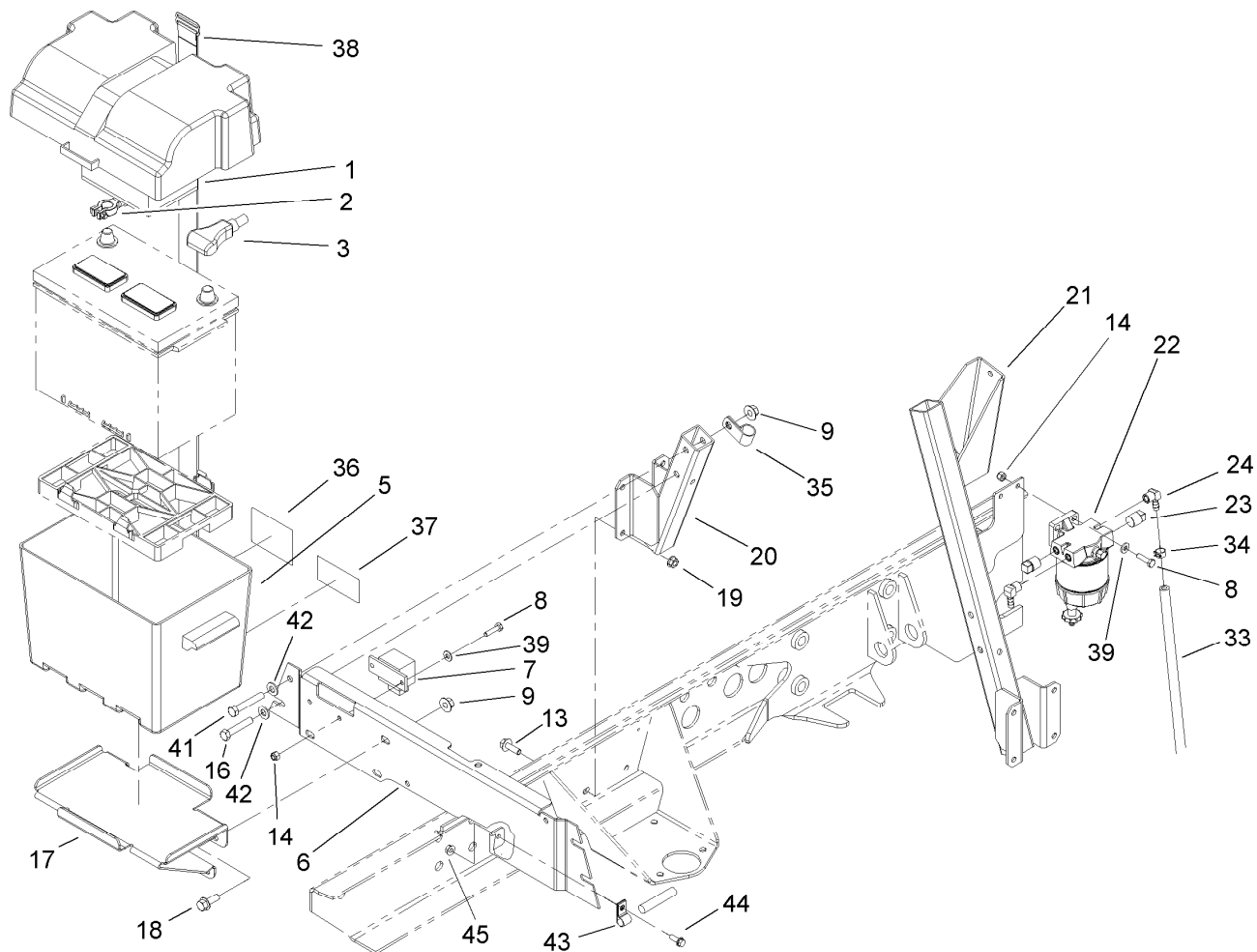
Axle Assembly Rear Axle Assembly No. 100-3784

Ref.	Part Number	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

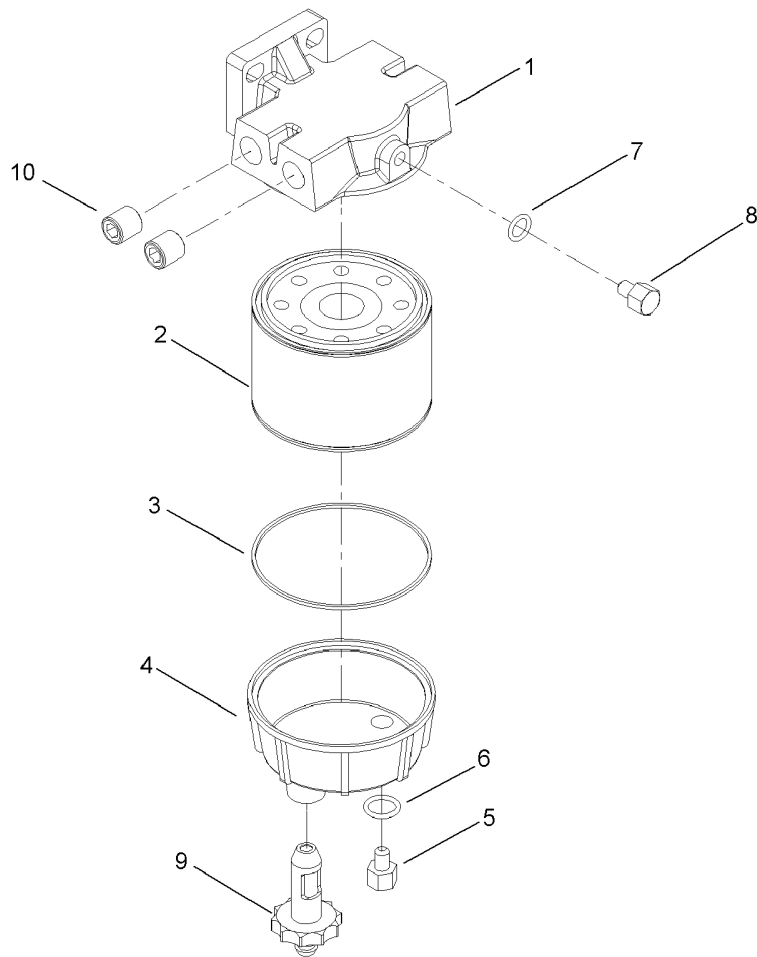
Ref.	Part Number	Qty.	Description
1	42-9250	1	Bolt
2	3255-2	1	Washer-Lock / EXT
4	42-9850	6	Washer-Lock, Spring
5	3255-9	1	Washer-Lock
6	33114-020	4	Screw-HH
7	100-5632-03	1	Plate-Adapter
8	98-1212	2	Pin-Plate, Pump
9	58-3590	2	Dowel
10	100-5633	1	Spacer-Coupling
11	100-5634	2	Bolt-Shoulder
12	92-1753	1	Coupling-Spring
13	48-9590	14	Washer-Lock
14	70-8470	6	Screw-HH
15	43-0090	8	Screw-HH



Battery Installation Assembly

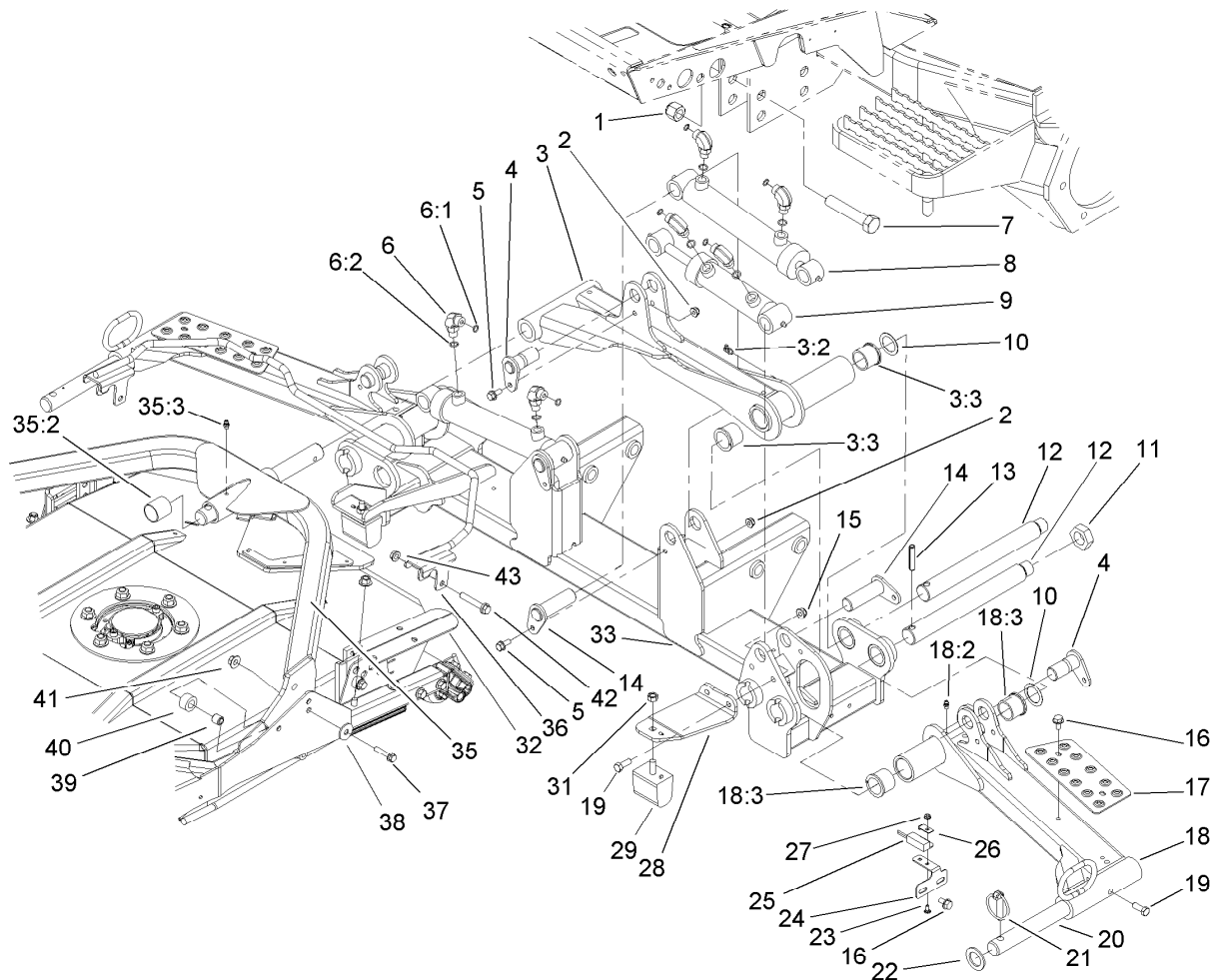
Ref.	Part Number	Qty.	Description
1	93-7968	1	Pad-Foam
2	105-3880	1	Cable-Battery, Negative
3	105-0114	1	Cable-Battery, Positive
5	93-7595	1	Battery Box ASM
6	104-5422-03	1	Bracket-Support, Battery
7	66-8800	1	Relay
8	321-6	4	Screw-HH
9	32128-43	6	Nut-Flange
13	3234-29	8	Screw-HHF
14	3296-42	4	Nut-Lock, NI
16	323-11	3	Screw-HH
17	104-5423-03	1	Tray-Battery
18	3234-11	2	Screw-HHF
19	32128-20	8	Nut-HF
20	104-5420-03	1	Support-Battery
21	104-5417-03	1	Bracket-Conditioner, Air

Ref.	Part Number	Qty.	Description
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
37	93-7276	1	Decal-Danger
38	94-1445	1	Strap-Battery
39	3256-22	4	Washer-Flat
41	323-12	1	Screw-HH
42	3256-24	4	Washer-Flat
43	2412-93	1	Clamp-R
44	3234-4	1	Screw-HHF
45	32128-33	1	Nut-HF



Water and Fuel Filter Assembly No. 98-9305

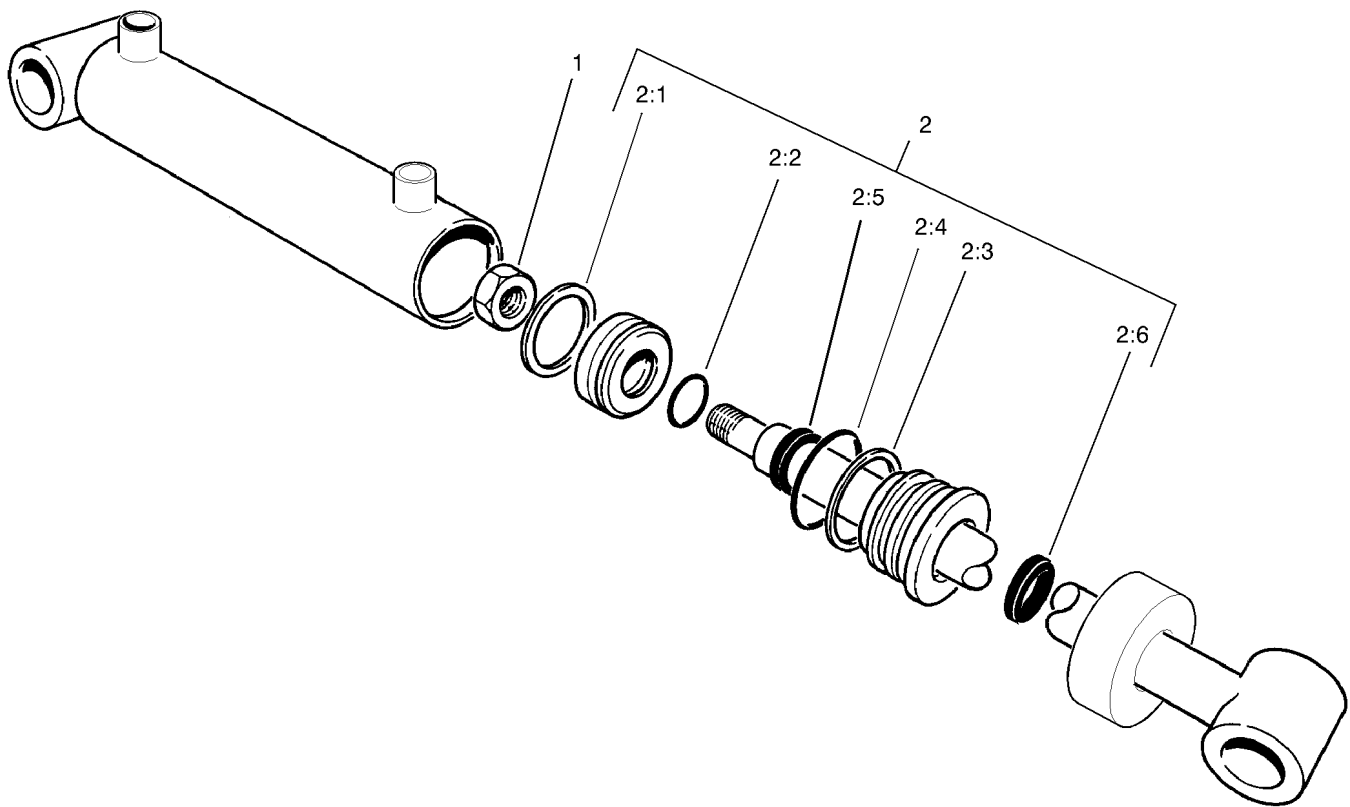
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-9772	1	Head-Filter
2	98-9764	1	Element
3	98-9774	1	O-Ring
4	98-9775	1	Base-Filter
5	98-9773	1	Plug-Base, Filter
6	237-42	1	O-Ring
7	237-78	1	O-Ring
8	98-9776	1	Plug-Head, Filter
9	98-9777	1	Drain Valve ASM
10	285-22	2	Plug-Pipe



Front Lift Arm Assembly

Ref.	Part Number	Qty.	Description
1	3296-51	4	Nut-Lock, NI
2	104-8300	6	Nut-Flange, NI
3	105-9201	1	No. 1 Lift Arm ASM
3:2	302-60	1	Fitting-Grease
3:3	104-0015	2	Bushing-Flange
4	104-5525	3	Cylinder Pin ASM
5	3234-5	6	Screw-HHF
6	340-77	6	Fitting-HYD, 90 DEG
6:1	237-22	1	O-Ring
6:2	237-42	1	O-Ring
7	328-7	4	Screw-HH
8	104-5527	2	Cylinder-Lift, No. 4 And 5
9	104-5528	1	Cylinder-Lift, No. 1
10	76-2980	3	Washer-Thrust
11	3296-49	3	Nut-Lock, NI
12	95-7158	3	Pin-Pivot
13	32121-110	3	Pin-Roll, Slotted
14	105-9889	3	Cylinder Pin ASM
15	104-8301	2	Nut-Flange, NI
16	32144-14	8	Screw-HWHTF
17	105-3987-03	2	Plate-Skid
18	105-9204	1	No. 4 Lift Arm ASM
18	105-9205	1	No. 5 Lift Arm ASM
18:2	302-5	1	Fitting-Grease
18:3	104-0015	2	Bushing-Flange

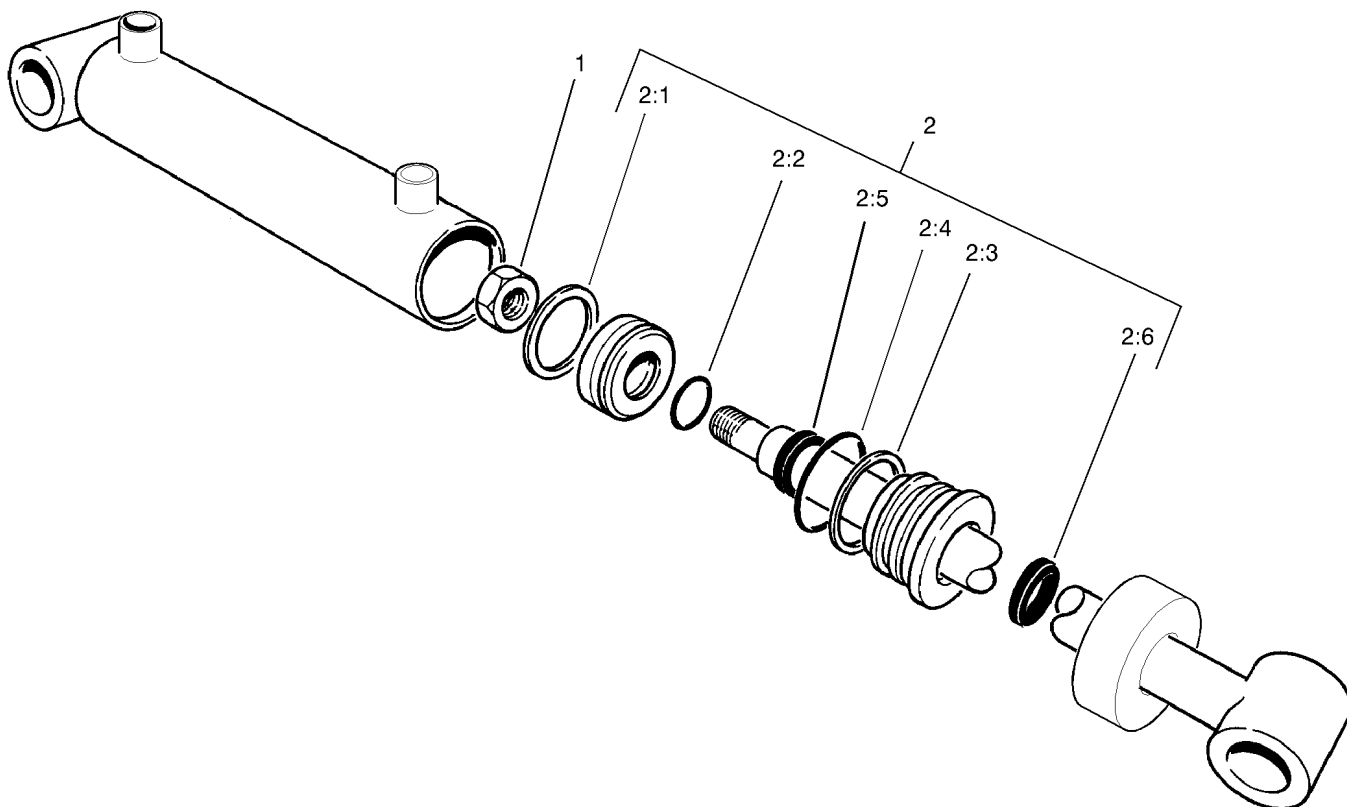
Ref.	Part Number	Qty.	Description
19	323-6	5	Screw-HH
20	95-8979	3	Shaft
21	283-71	3	Pin-Lynch
22	3-6781	3	Washer-Thrust
23	104-1450	2	Bolt-CARR
24	104-5585	2	Bracket-Switch
25	100-1270	2	Switch-Proximity
26	100-4872	2	Plate-Switch, Neutral
27	32149-7	2	Nut-Keps
28	104-5689-03	1	Bracket-Support, Bumper
29	87-3470	2	Bumper-Axle, Rear
31	33025-00	2	Nut-Lock, NI
32	105-9831-01	2	Bracket-Bumper, No. 1
33	104-5680-03	1	Frame-Carrier, Front
35	104-5656	7	Carrier Frame ASM
35:2	95-8795	2	Bushing
35:3	302-5	1	Fitting-Grease
36	107-7803-01	6	Guard-Foot ASM
37	3234-18	14	Screw-HHF
38	93-8806	14	Washer-Hardened
39	105-9822	14	Spacer
40	105-9823	14	Bushing-Carrier
41	32128-43	14	Nut-Flange
42	100-2592	12	Screw-HHF
43	3290-357	12	Nut-HHF, Whiz



No. 4 and 5 Lift Cylinder Assembly No. 104-5527

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	32152-10	1	Locknut
2	104-5847	1	Seal Kit
2:1		2	Seal-Dust ●
2:2		1	Seal-Dust ●
2:3		2	O-Ring, Backup ●
2:4		1	T-Seal ●
2:5		2	Seal-Rod ●
2:6		2	Seal-Dust ●

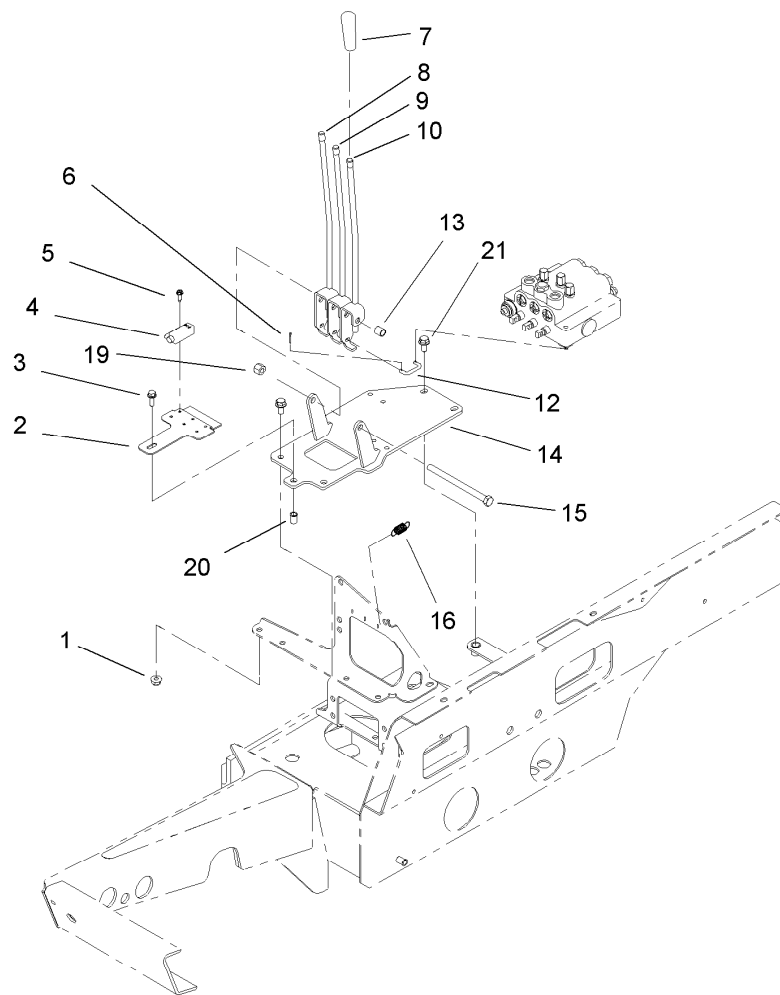
● Not serviced separately



No. 1 Lift Cylinder Assembly No. 104-5528

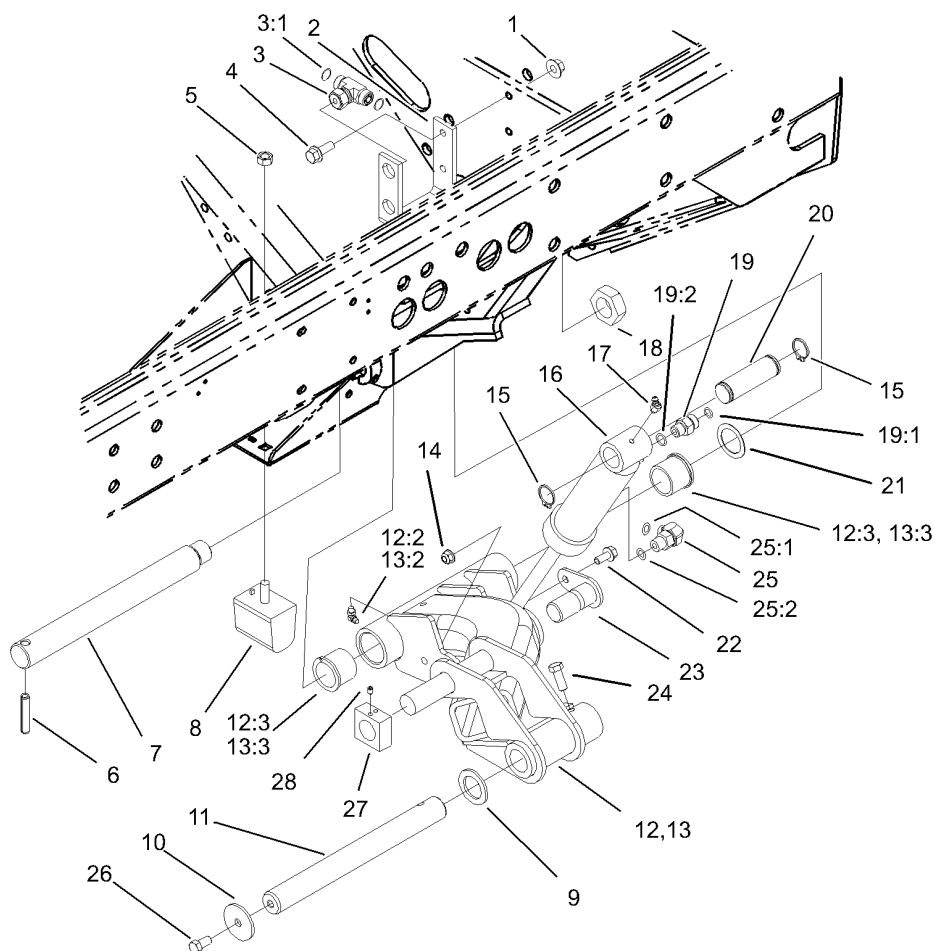
Ref.	Part Number	Qty.	Description
1	32152-10	1	Locknut
2	104-5847	1	Seal Kit
2:1		2	Seal-Dust ●
2:2		1	Seal-Dust ●
2:3		2	O-Ring, Backup ●
2:4		1	T-Seal ●
2:5		2	Seal-Rod ●
2:6		2	Seal-Dust ●

● Not serviced separately



Lift Lever Assembly

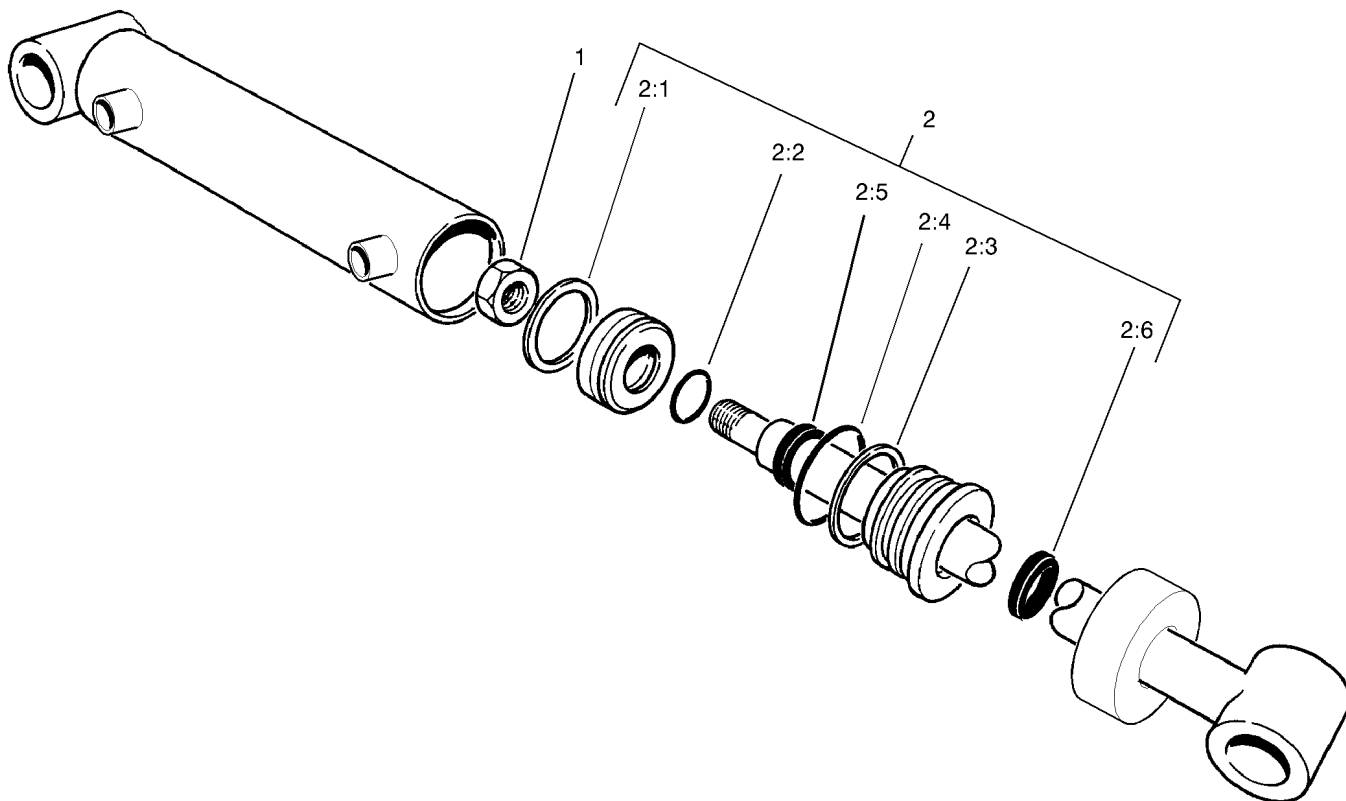
Ref.	Part Number	Qty.	Description
1	104-8300	2	Nut-Flange, NI
2	104-5530-03	1	Plate-Switch
3	3234-4	1	Screw-HHF
4	105-0023	3	Switch-Proximity
5	32144-19	6	Screw-SHWH
6	3272-1	6	Pin-Cotter
7	233-39	3	Knob-Control
8	104-5617	1	Right Lever ASM
9	104-5616	1	Center Lever ASM
10	104-5618	1	Left Lever ASM
12	69-9140	3	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	3	Spring-Extension
19	3296-39	1	Nut-Lock, NI
20	32148-6	1	Insert-Nut
21	3234-14	4	Screw-HHF



No. 2 and 3 Lift Arm Assembly

Ref.	Part Number	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, NI
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
12:3	104-0015	2	Bushing-Flange
13	105-9203	1	No. 3 Lift Arm ASM
13:2	302-60	1	Fitting-Grease
13:3	104-0015	2	Bushing-Flange
14	104-8300	2	Nut-Flange, NI

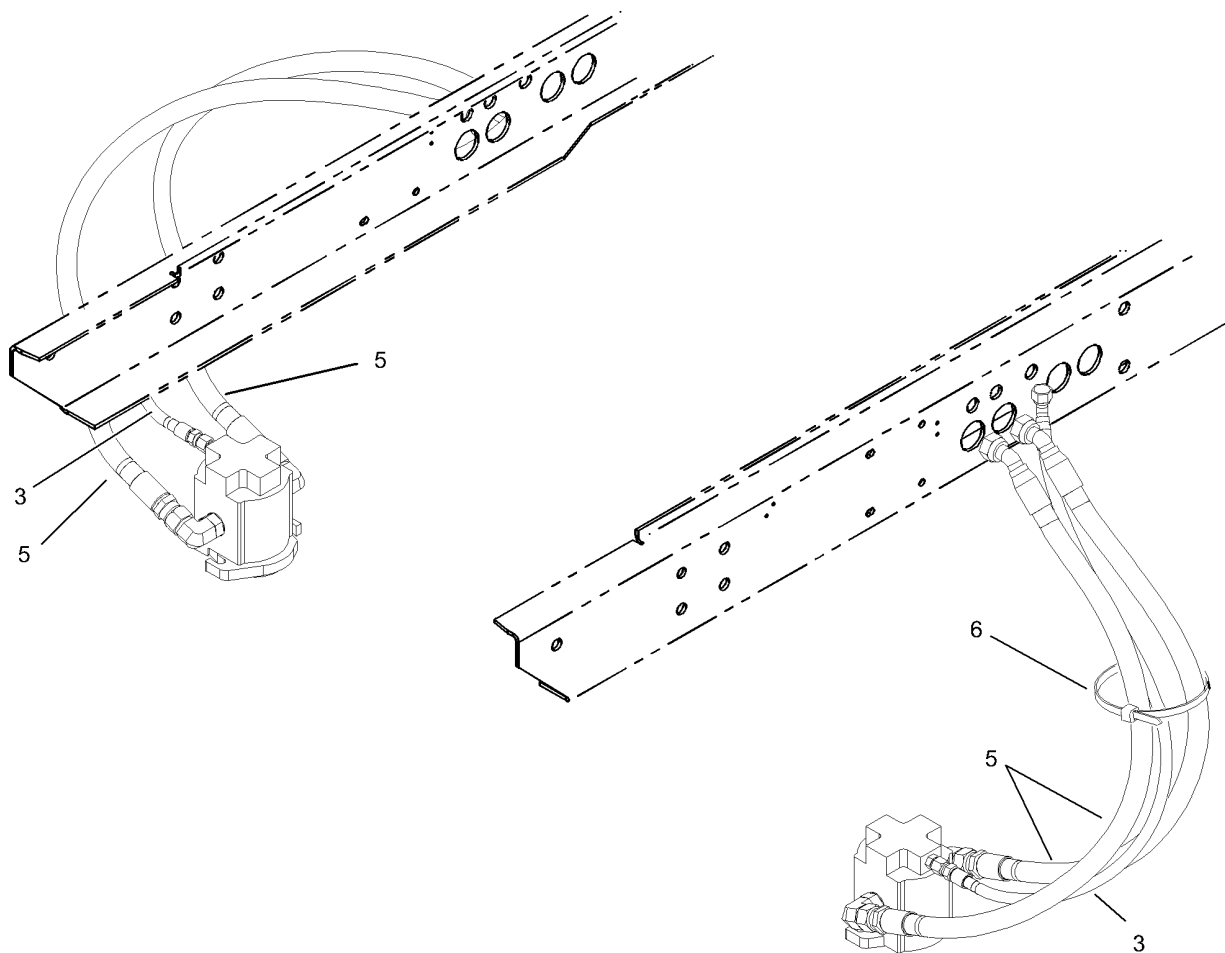
Ref.	Part Number	Qty.	Description
15	32151-36	4	Ring-Retaining
16	104-5526	2	Cylinder-Lift, No. 2 And 3
17	302-11	2	Fitting-Lube, 45 DEG
18	3296-49	2	Nut-Lock, NI
19	340-2	2	Fitting-HYD, Straight
19:1	237-22	1	O-Ring
19:2	237-42	1	O-Ring
20	92-7548	2	Pin-Cylinder
21	76-2980	2	Washer-Thrust
22	3234-17	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



No. 2 and 3 Lift Cylinder Assembly No. 104-5526

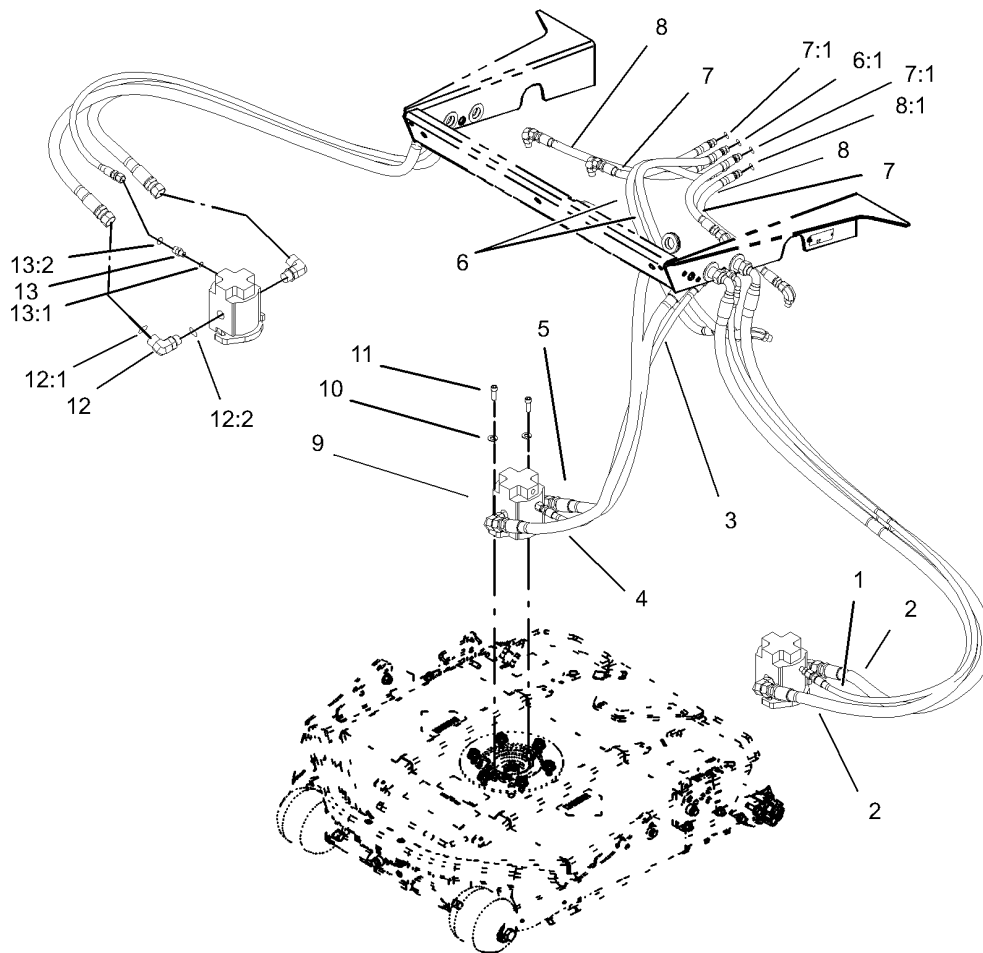
Ref.	Part Number	Qty.	Description
1	32152-10	1	Locknut
2	104-5847	1	Seal Kit
2:1		2	Seal-Dust ●
2:2		1	Seal-Dust ●
2:3		2	O-Ring, Backup ●
2:4		1	T-Seal ●
2:5		2	Seal-Rod ●
2:6		2	Seal-Dust ●

● Not serviced separately



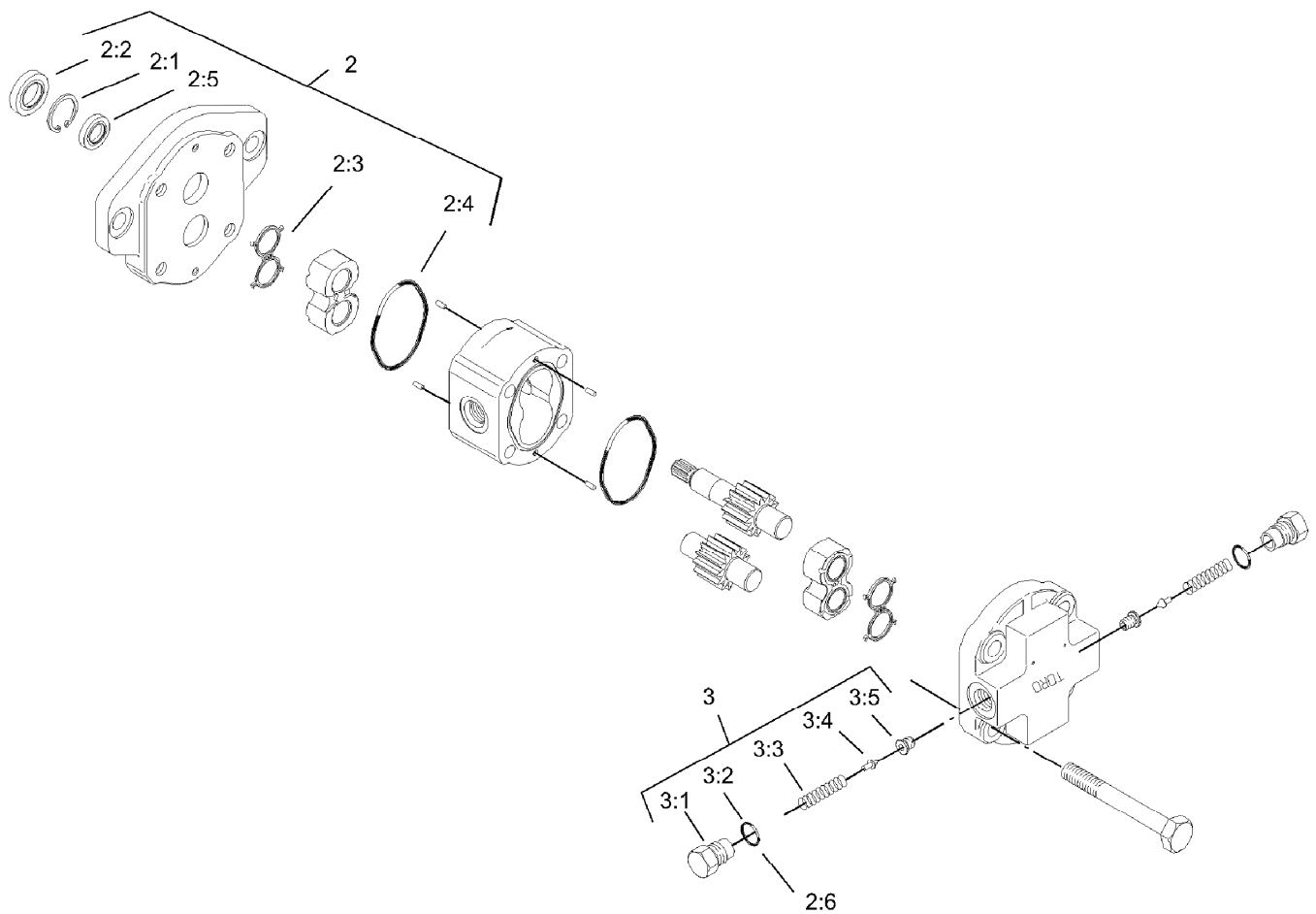
Hose Installation Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

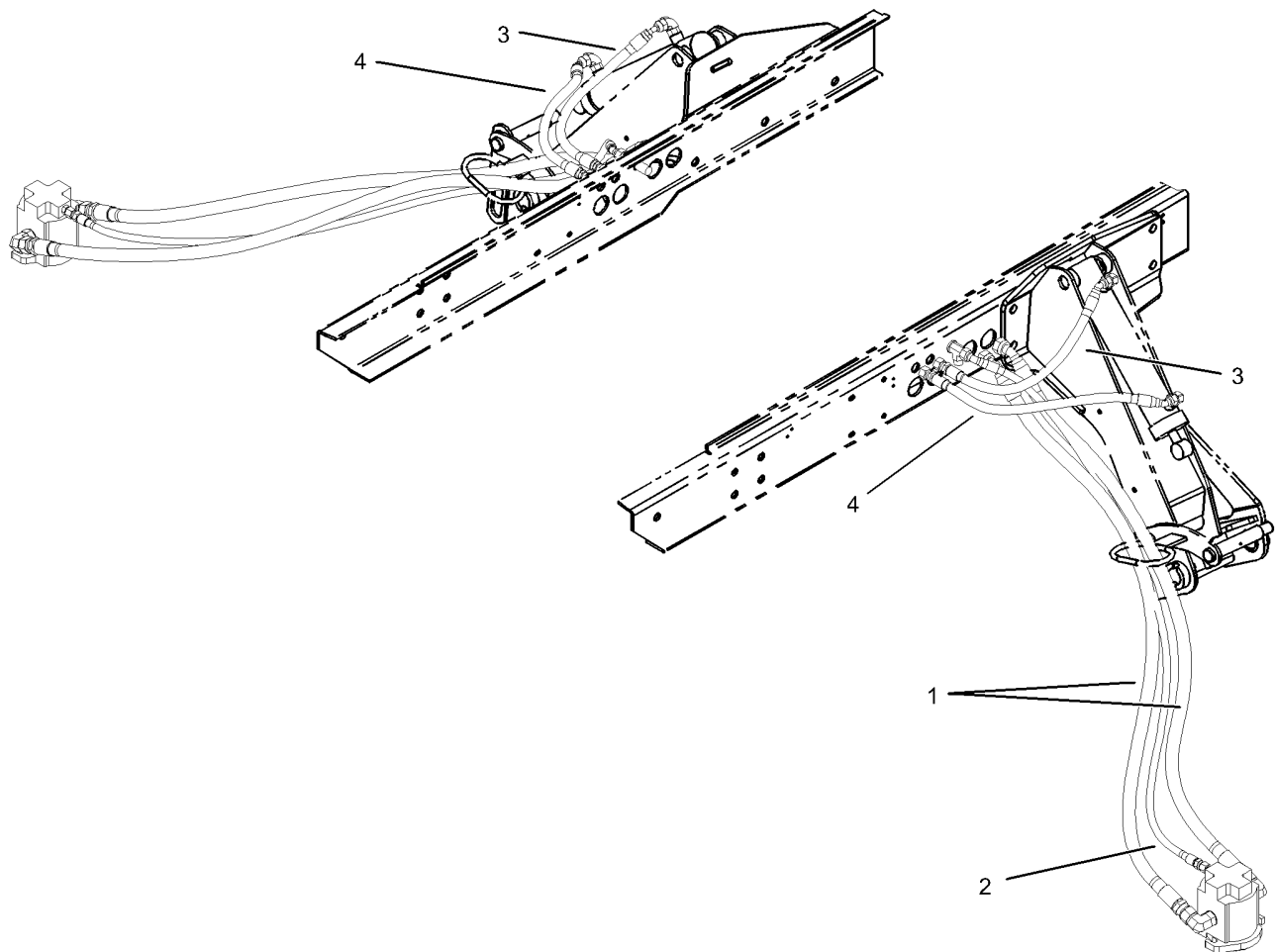
Ref.	Part Number	Qty.	Description
1	104-5500	2	Hose ASM
2	104-5501	4	Hose ASM
3	104-5502	1	Hose ASM
4	104-5504	1	Hose ASM
5	104-5505	1	Hose ASM
6	104-5511	2	Hose ASM
6:1	237-42	1	O-Ring
7	104-5512	2	Hose ASM
7:1	237-42	1	O-Ring
8	104-5513	2	Hose ASM
8:1	237-42	1	O-Ring
9	105-9820	7	Motor-HYD
10	3256-24	14	Washer-Flat
11	3274-7	14	Screw-HSH
12	340-17	14	Fitting-HYD, 90 DEG
12:1	237-65	1	O-Ring
12:2	237-80	1	O-Ring
13	340-92	7	Fitting-HYD, Straight
13:1	237-78	1	O-Ring
13:2	237-21	1	O-Ring



Hydraulic Motor Assembly No. 105-9820

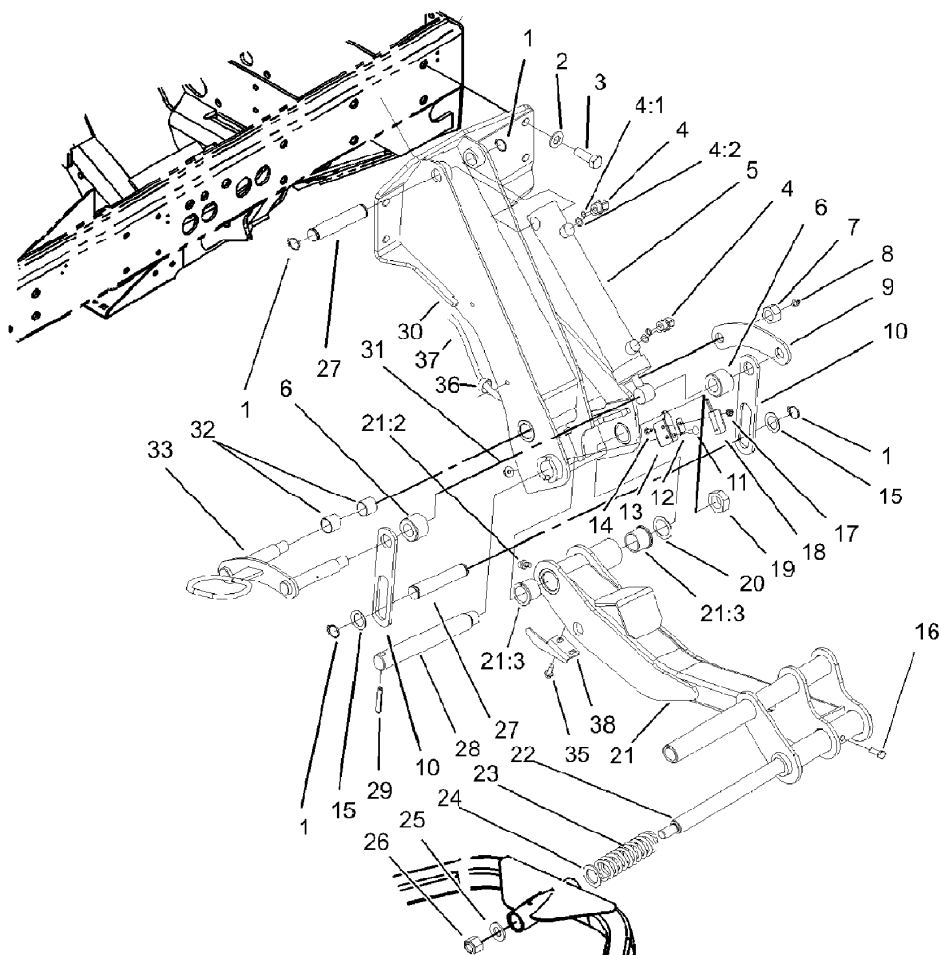
Ref.	Part Number	Qty.	Description
2	105-9191	1	Seal Kit
2:1		1	Ring-Retaining ●
2:2		1	Seal-Shaft ●
2:3		2	Seal ASM ●
2:4		2	Seal-Dust ●
2:5		1	Seal-Shaft ●
2:6		2	Seal-Dust ●
3	105-9192	1	Relief Valve Kit
3:1		1	Cap-Valve, Relief ●
3:2		1	Seal-Dust ●
3:3		1	Spring ●
3:4		1	Poppet ●
3:5		1	Seat-Valve, Relief ●

● Not serviced separately



No. 6 and 7 Hose Installation Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-5498	4	Hose ASM
2	104-5499	2	Hose ASM
3	105-3918	2	Hose ASM
4	105-3919	2	Hose ASM

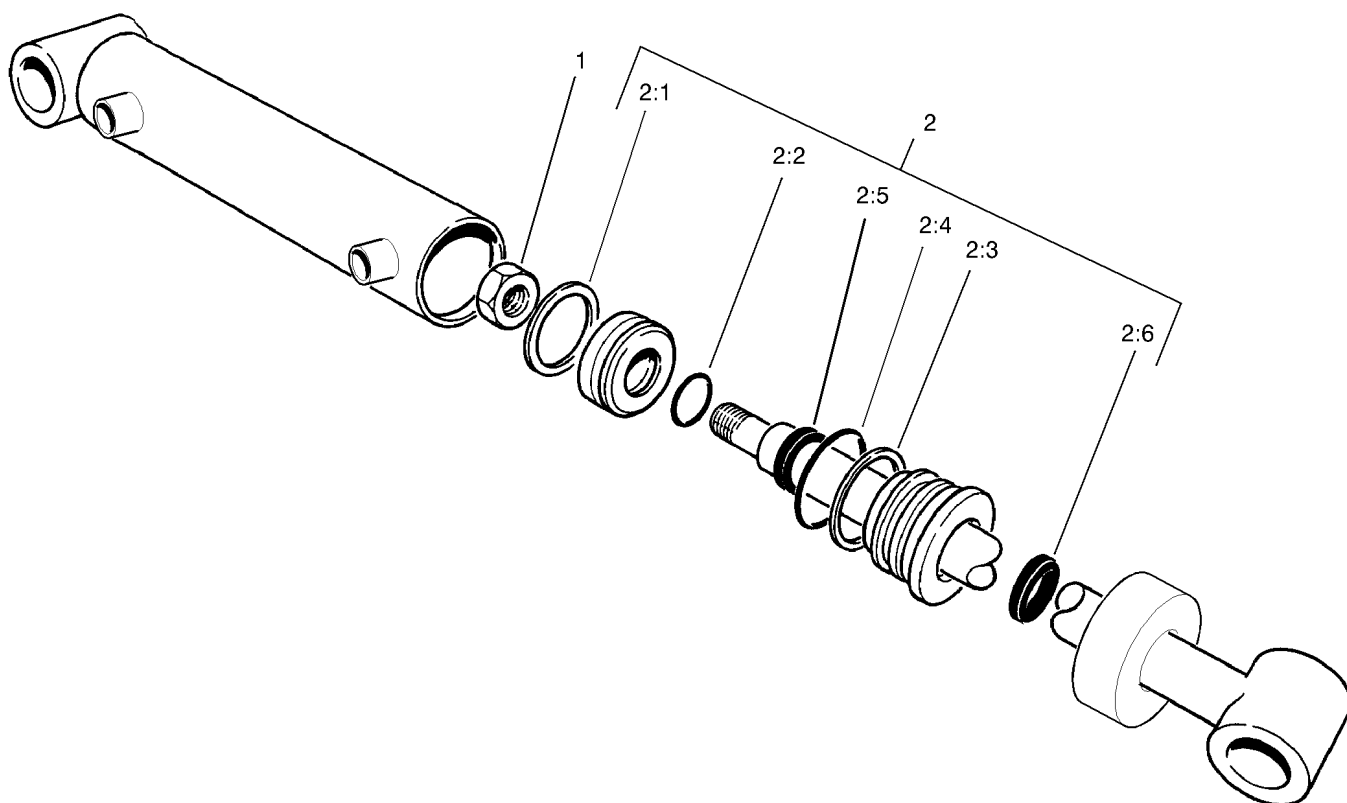


No. 6 and 7 Lift Arm Assembly

Ref.	Part Number	Qty.	Description
1	32151-36	8	Ring-Retaining
2	99-7667	12	Washer-Flat
3	327-5	12	Screw-HH
4	340-77	4	Fitting-HYD, 90 DEG
4:1	237-22	1	O-Ring
4:2	237-42	1	O-Ring
5	104-5592	2	Cylinder-Lift #6, 7
6	93-2700	4	Roller-Plastic
7	33029-00	4	Nut-Lock, NI
8	302-2	4	Fitting-Grease
9	98-8821	2	Link-Rear
10	93-2704	4	Link-Left
11	3229-28	2	Screw-CARR
12	100-4872	2	Plate-Switch, Neutral
13	105-3858	2	Bracket-Switch
14	104-1450	2	Bolt-CARR
15	10-8110	4	Washer-Thrust
16	323-6	2	Screw-HH
17	32149-7	2	Nut-Keps
18	100-1270	2	Switch-Proximity
19	3296-49	2	Nut-Lock, NI
20	76-2980	2	Washer-Thrust

Ref.	Part Number	Qty.	Description
21	105-9207	1	No. 7 Lift Arm ASM
21	105-9206	1	No. 6 Lift Arm ASM
21:2	302-5	1	Fitting-Grease
21:3	104-0015	2	Bushing-Flange
22	105-3983	2	Pin-Carrier, Pivot
23	105-3999	2	Spring-Compression
24	3-6781	2	Washer-Thrust
25	3256-28	2	Washer-Flat
26	3296-50	2	Nut-Lock, NI
27	93-2699	4	Pin
28	98-8826	2	Pin-Pivot
29	32121-110	2	Pin-Roll, Slotted
30	104-5658-03	1	No. 7 Support Arm ASM
30	104-5657-03	1	No. 6 Support Arm ASM
31	32128-33	2	Nut-HF
32	67-1750	4	Bushing
33	104-5669	2	Link ASM
35	32144-14	8	Screw-HWHTF
36	2412-93	4	Clamp-R
37	105-9188	1	Harness-Wire
38	105-9828	2	Actuator-Switch
99	3290-378	2	Tie-Cable ●

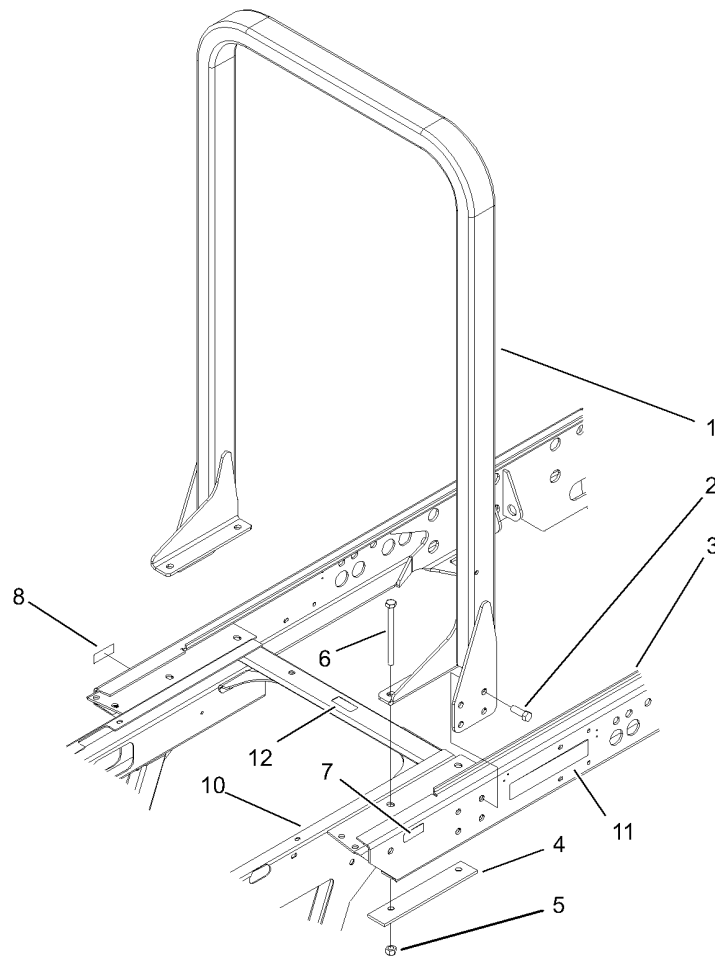
● Not illustrated



Hydraulic Cylinder Assembly No. 104-5592

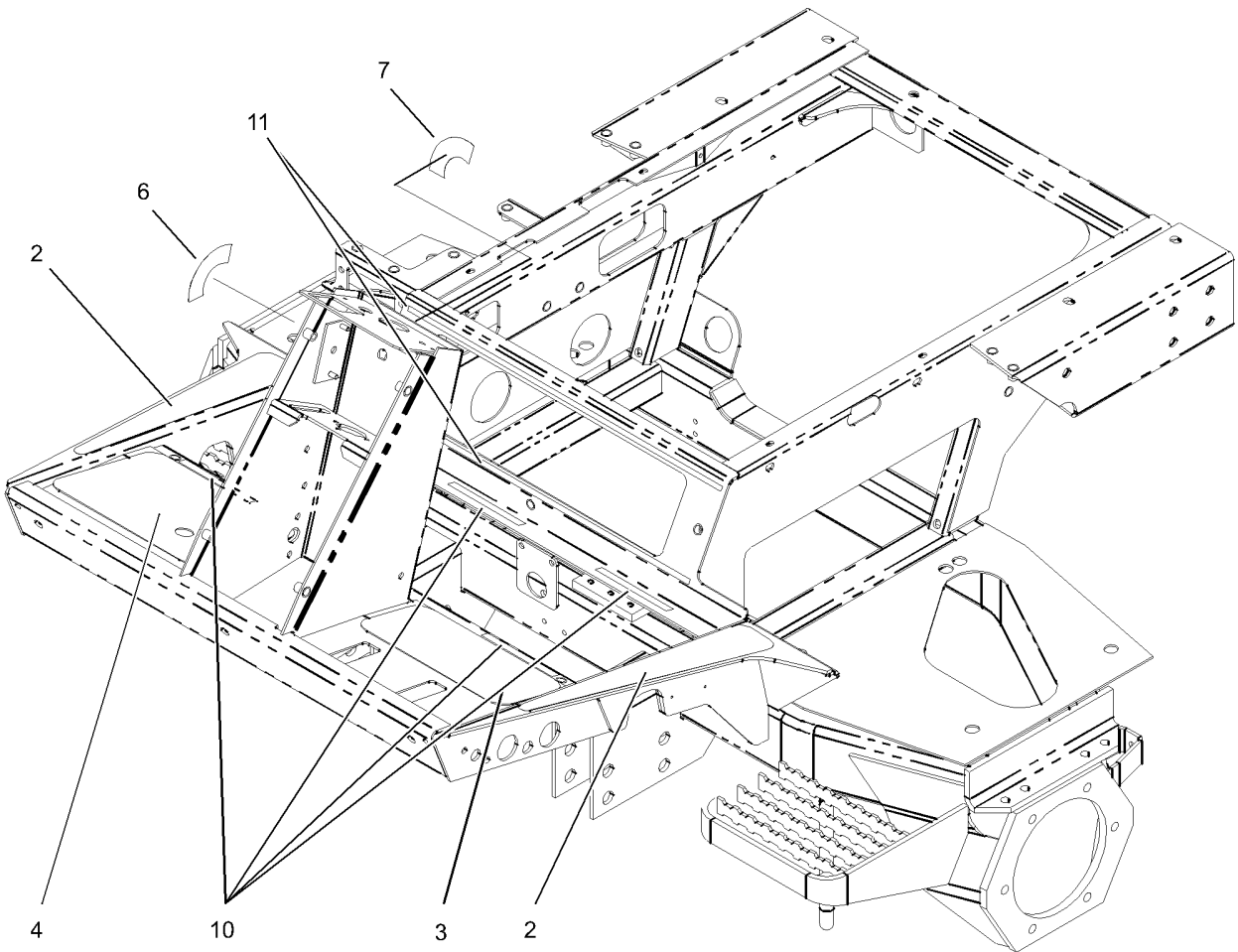
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	32152-10	1	Locknut
2	105-9244	1	Kit-Seal
2:1		1	T-Seal ●
2:2		1	Seal-Dust ●
2:3		1	Seal-Dust ●
2:4		1	Ring-Backup ●
2:5		1	Seal-Rod ●
2:6		1	Seal-Dust ●

● Not serviced separately



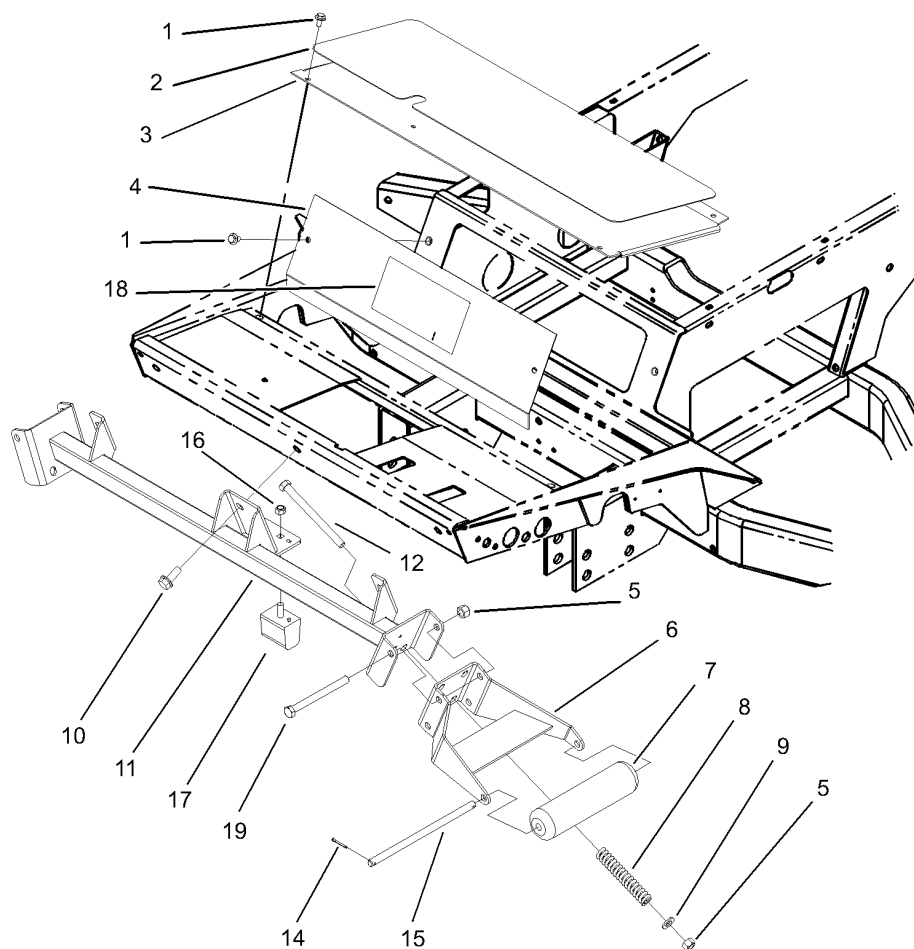
Roll-Over Protection System and Frame Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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
10	104-5469	1	Front Frame ASM
11	72-3560	2	Decal
12	106-6754	1	Decal-Danger



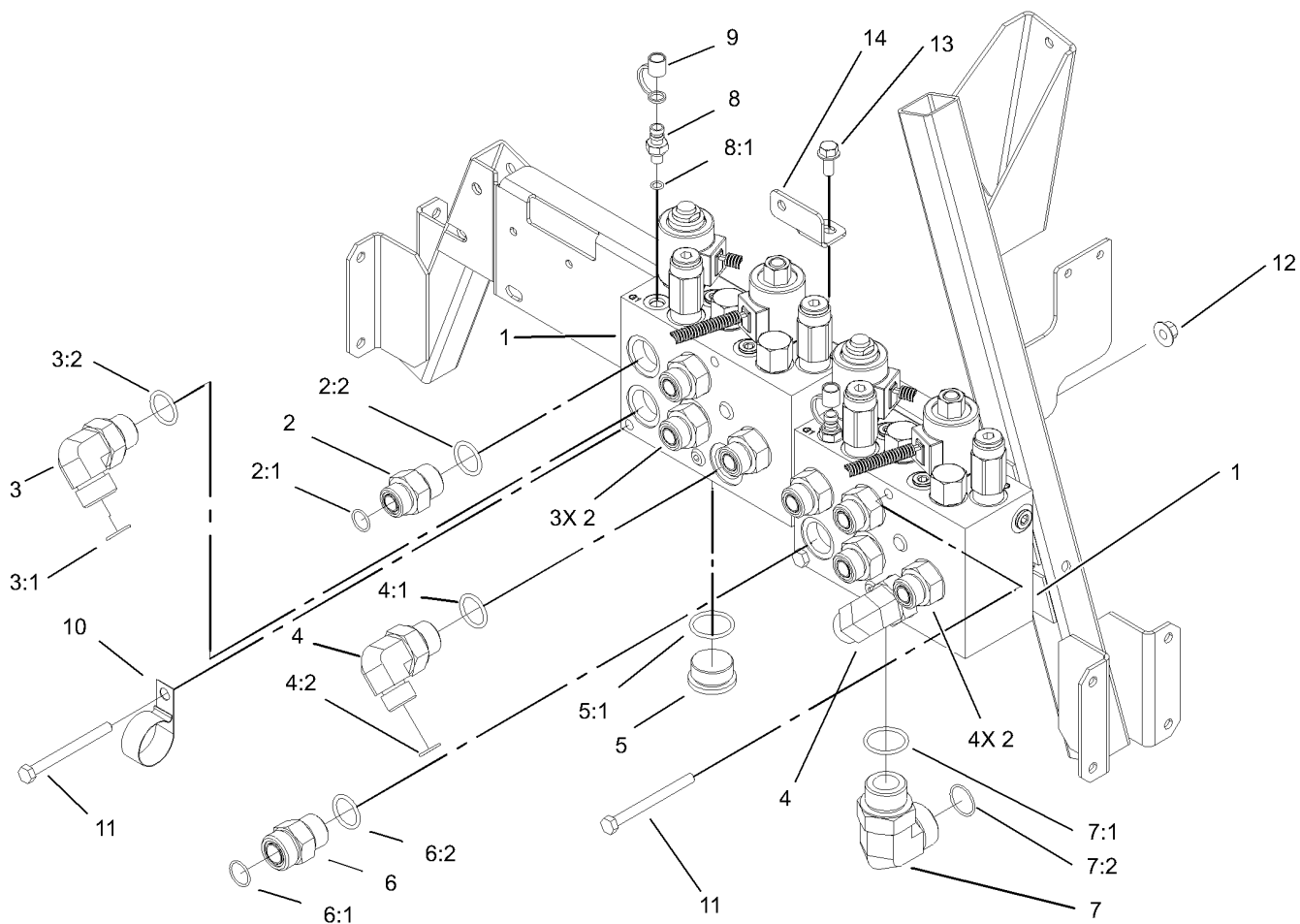
Front Frame Assembly No. 104-5469

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

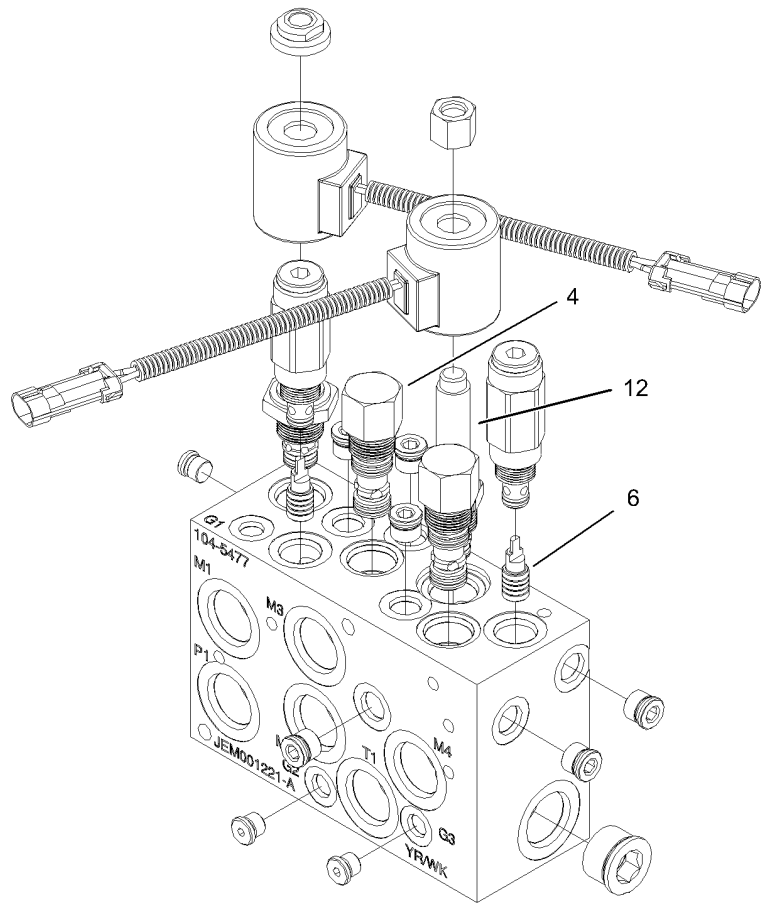
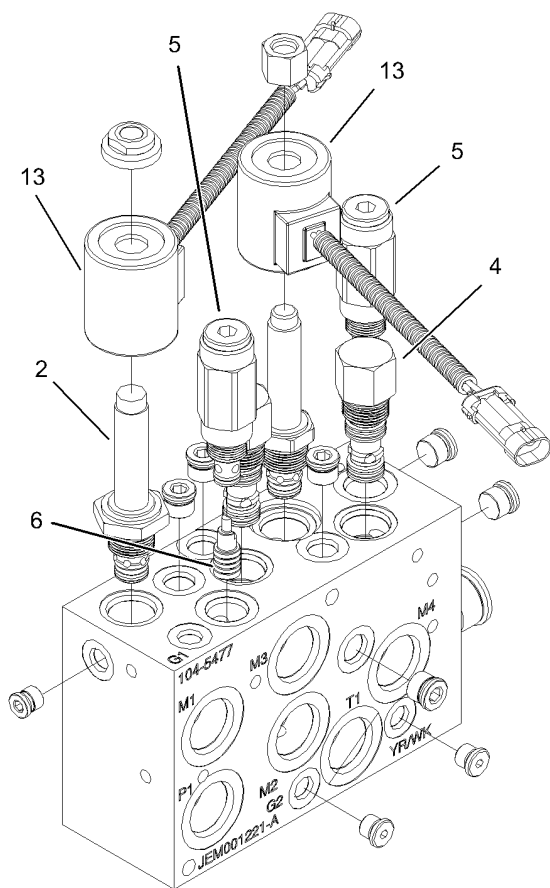
Ref.	Part Number	Qty.	Description
1	3234-7	7	Screw-HHF
2	75-0630	1	Tread-Foot, Center
3	75-1410-01	1	Plate-Access, Floor
4	105-9243-01	1	Plate-Access
5	3296-23	4	Nut-Lock, NI
6	105-3996-01	2	Support-Roller
7	105-9816	2	Roller-Plastic
8	105-3970	2	Spring-Compression
9	3256-26	2	Washer-Flat
10	3234-38	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, NI
17	87-3470	1	Bumper-Axle, Rear
18	105-3889	1	Decal-Danger
18	107-1983	1	Decal-Warning
19	325-20	2	Screw-HH



Cutting Manifold Assembly

Ref.	Part Number	Qty.	Description
1	104-5477	2	Manifold ASM
2	340-8	8	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

Ref.	Part Number	Qty.	Description
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	Clip-J
11	322-22	4	Screw-HH
12	32128-44	5	Nut
13	3234-5	1	Screw-HHF
14	104-5487	1	Bracket-L

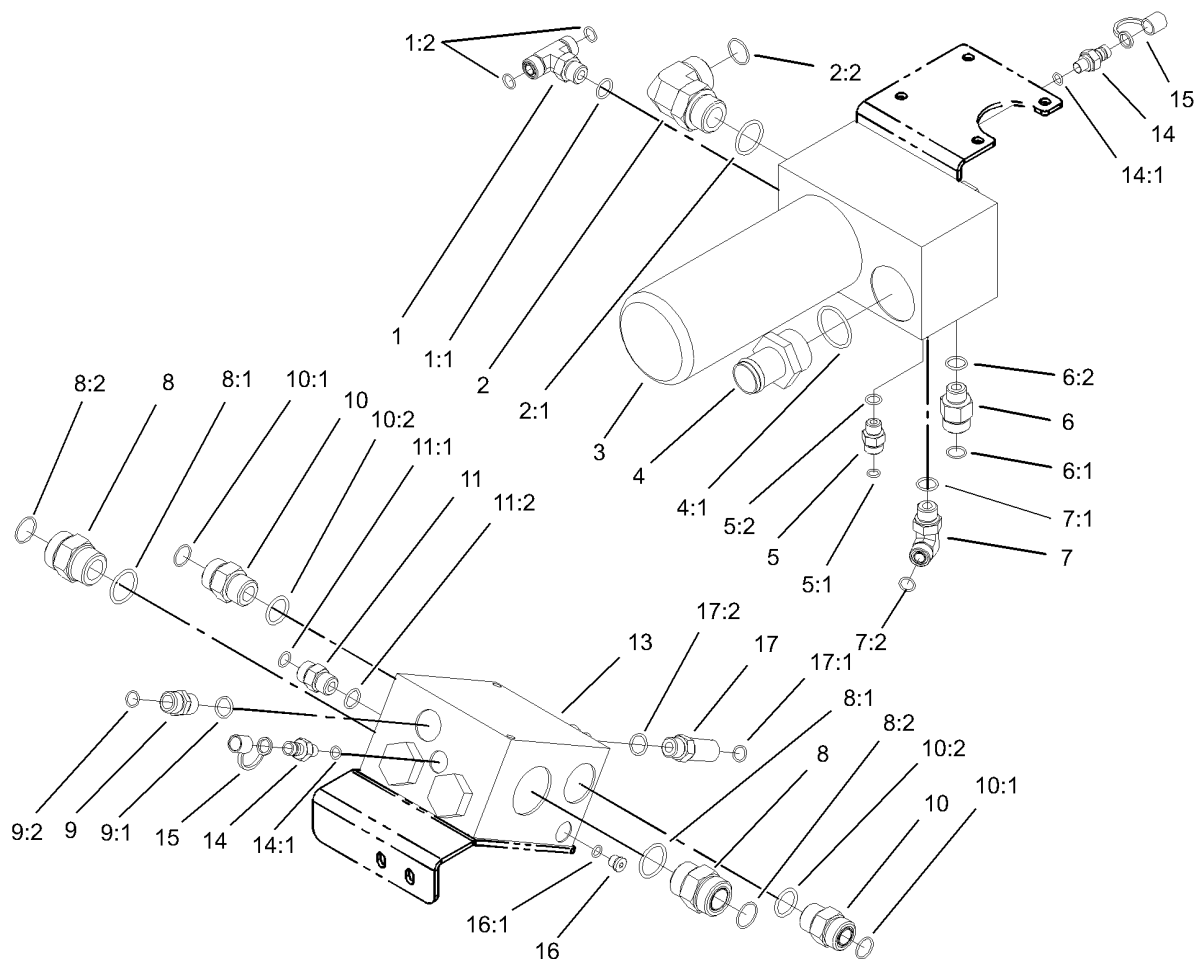


Manifold Assembly No. 104-5477

Ref.	Part Number	Qty.	Description
2	105-9150	1	Relief-Proportional
2:1	105-9151	1	Seal Kit ●
4	105-9153	2	Element-Logic, Vented
4:1	105-9154	1	Seal Kit ●
5	105-9155	2	Valve-Relief
5:1	105-9156	1	Seal Kit ●
6	105-9157	2	Piston-Pilot
12	105-9158	1	Valve-Solenoid, N.O.
12:1	105-9159	1	Seal Kit ●
13	105-9152	2	Coil ASM

● Not illustrated

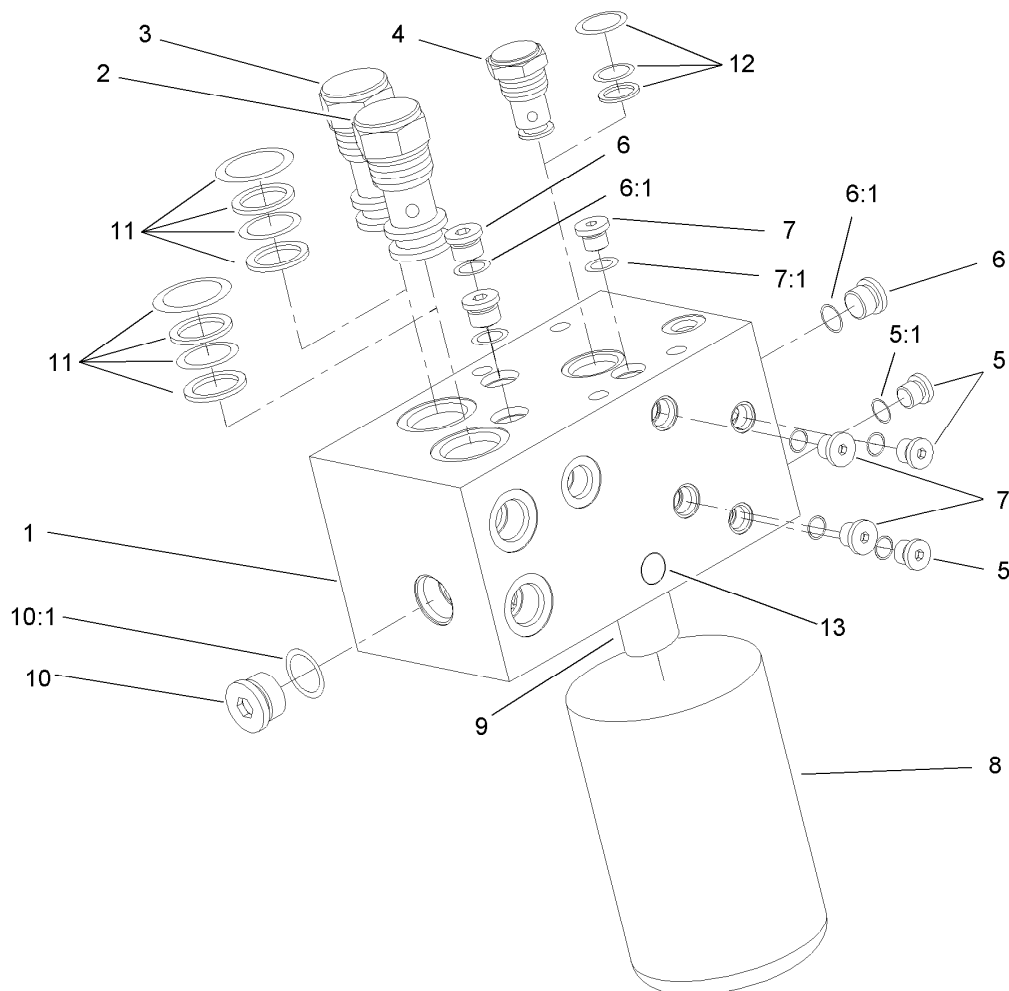
■ Not serviced separately



4 Wheel Drive Manifold and Filter Assembly

Ref.	Part Number	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	Filter Manifold ASM
4	104-5480	1	Fitting-Hose, Straight
4:1	237-123	1	O-Ring
5	340-2	1	Fitting-HYD, Straight
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

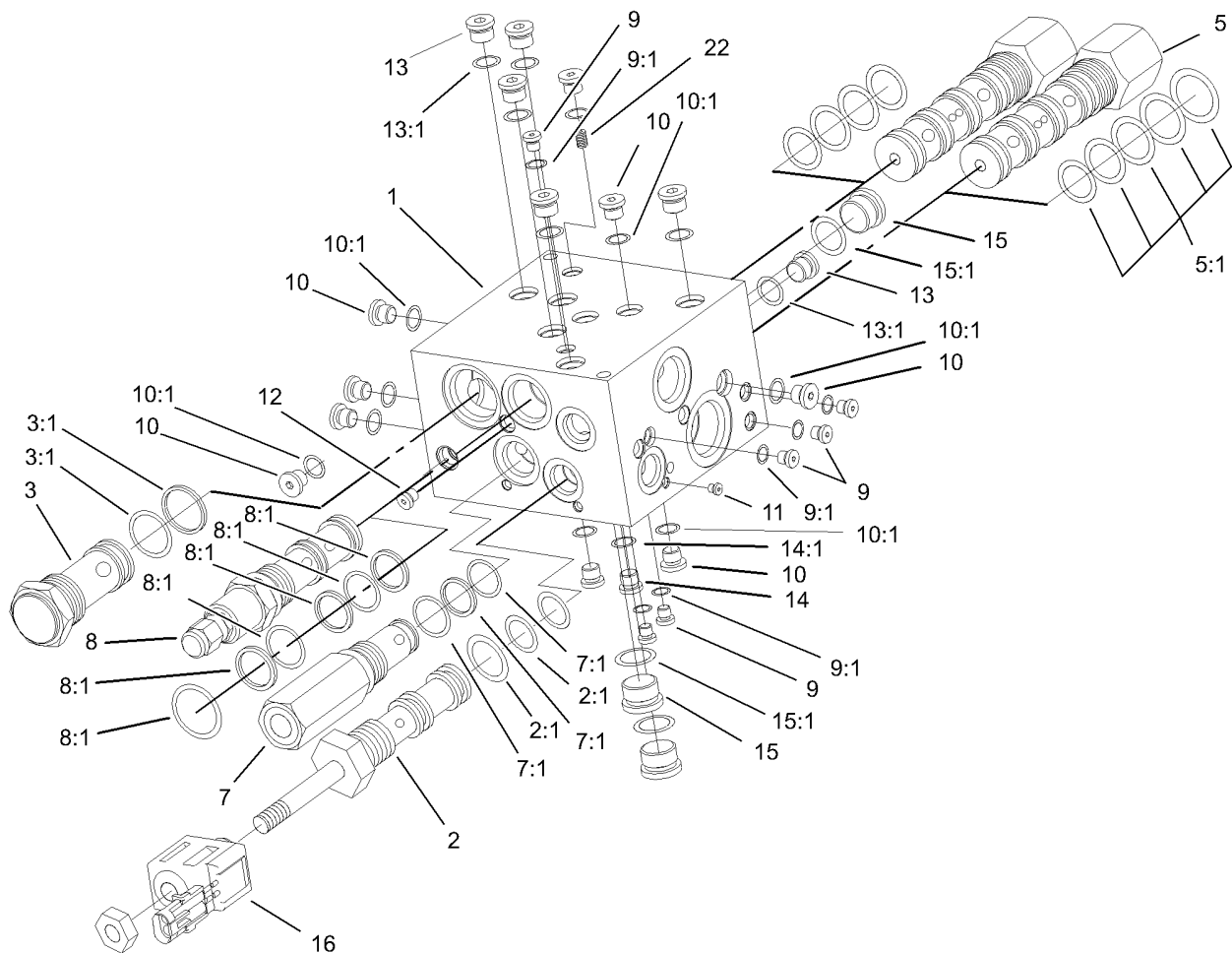
Ref.	Part Number	Qty.	Description
8:2	340-65	1	O-Ring
9	100-4890	1	Fitting-Check
9:1	237-79	1	O-Ring
9:2	237-30	1	O-Ring
10	340-9	2	Fitting-HYD, Straight
10:1	237-58	1	O-Ring
10:2	237-81	1	O-Ring
11	340-4	1	Fitting-HYD, Straight
11:1	237-30	1	O-Ring
11:2	237-79	1	O-Ring
13	105-9875	1	4-Wheel Drive Manifold 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 Number	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	3	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	104-4879	2	Seal Kit
12	99-5503	1	Seal Kit
13		1	Plug-Expander ●

● Not serviced separately

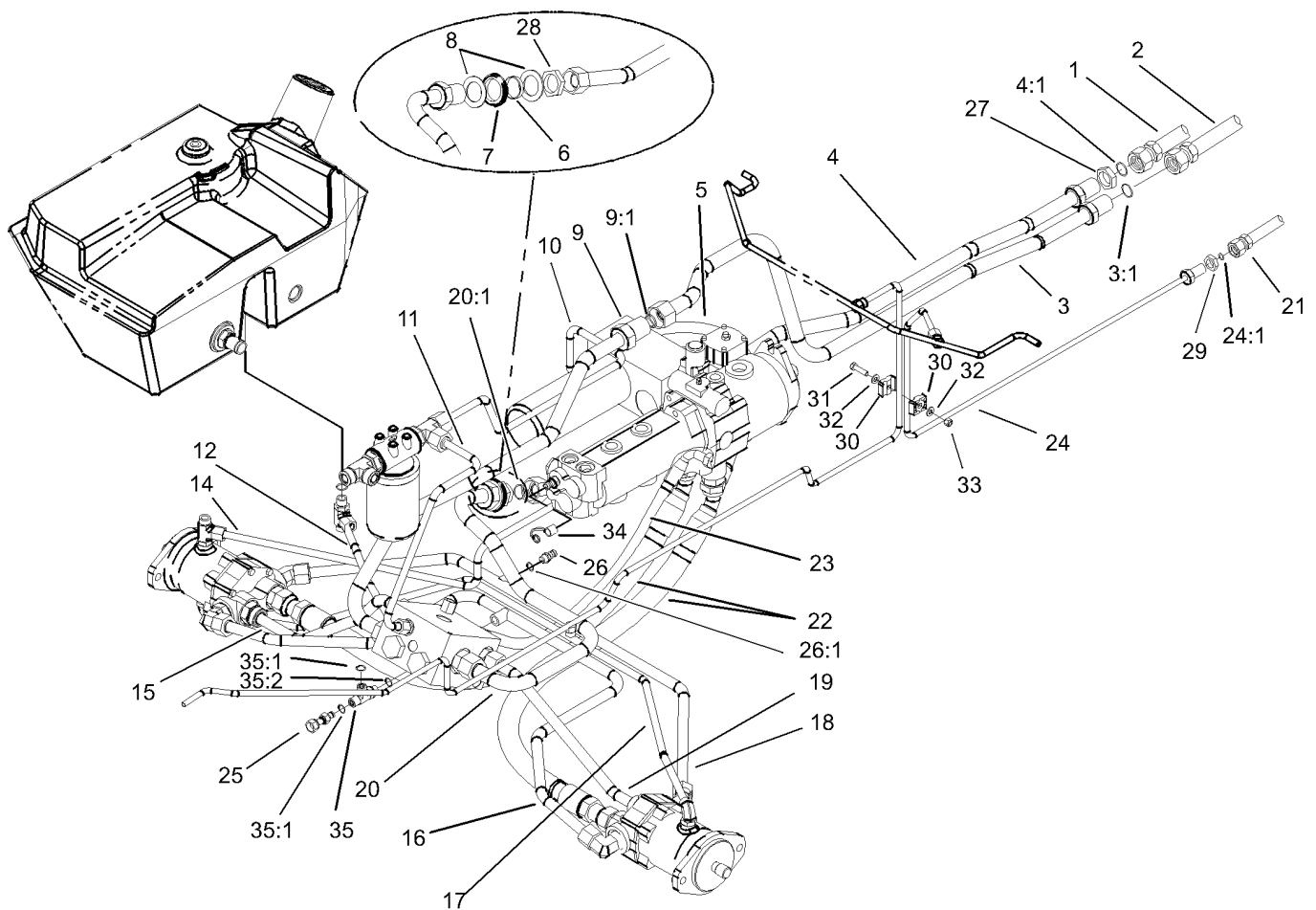


4 Wheel Drive Manifold Assembly No. 105-9875

Ref.	Part Number	Qty.	Description
1		1	Manifold ●
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	2	Plug-Hex, Hollow
9:1	237-156	1	O-Ring

Ref.	Part Number	Qty.	Description
10	354-137	3	Plug
10:1	237-86	1	O-Ring
11		10	Plug-Expander ●
12		10	Plug-Expander ●
13	353-989	6	Plug-Hex, Hollow
13:1	237-42	1	O-Ring
14	353-990	1	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
22	106-6766	1	Plug-Orifice

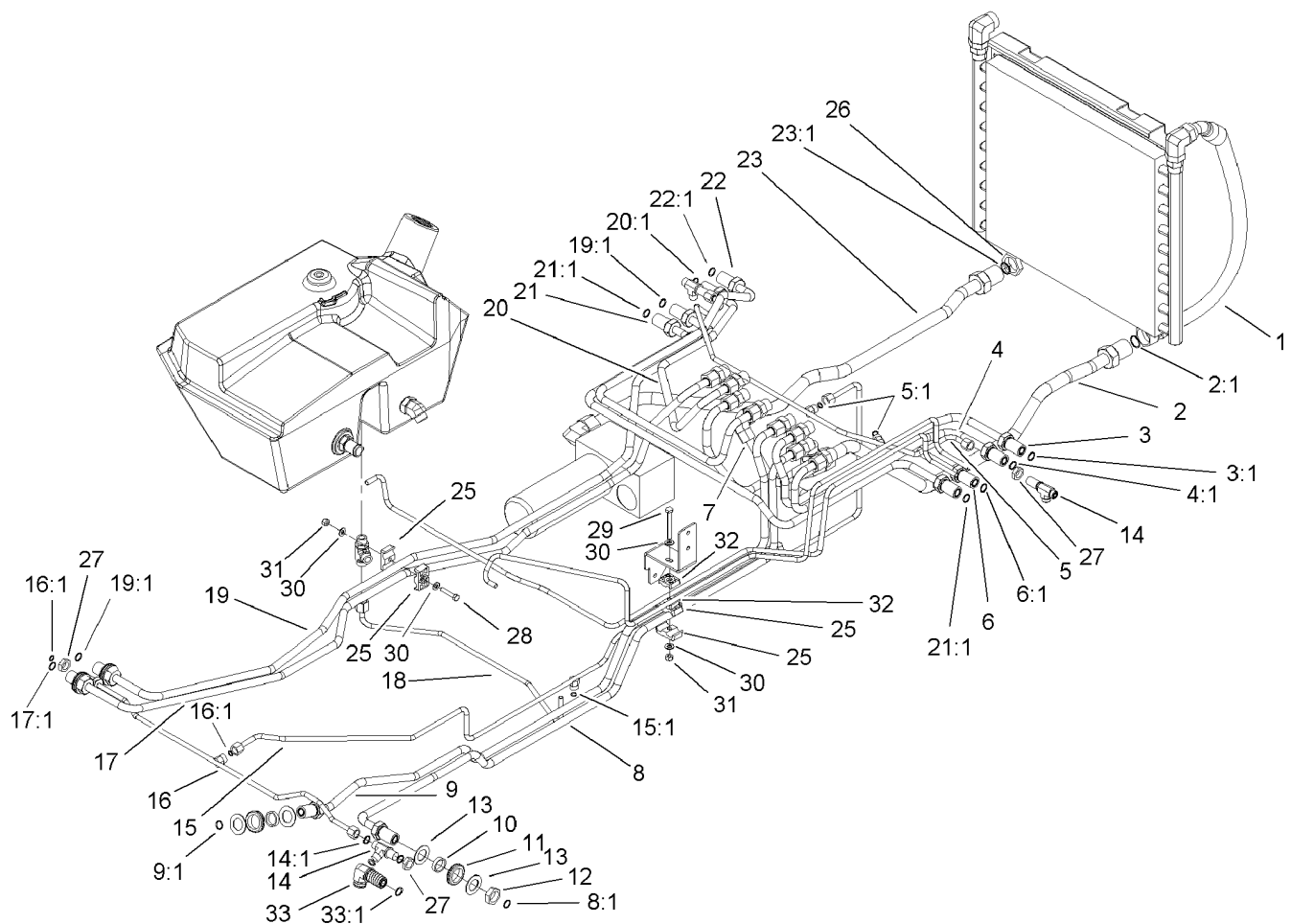
● Not serviced separately



Traction Hydraulic Line Assembly

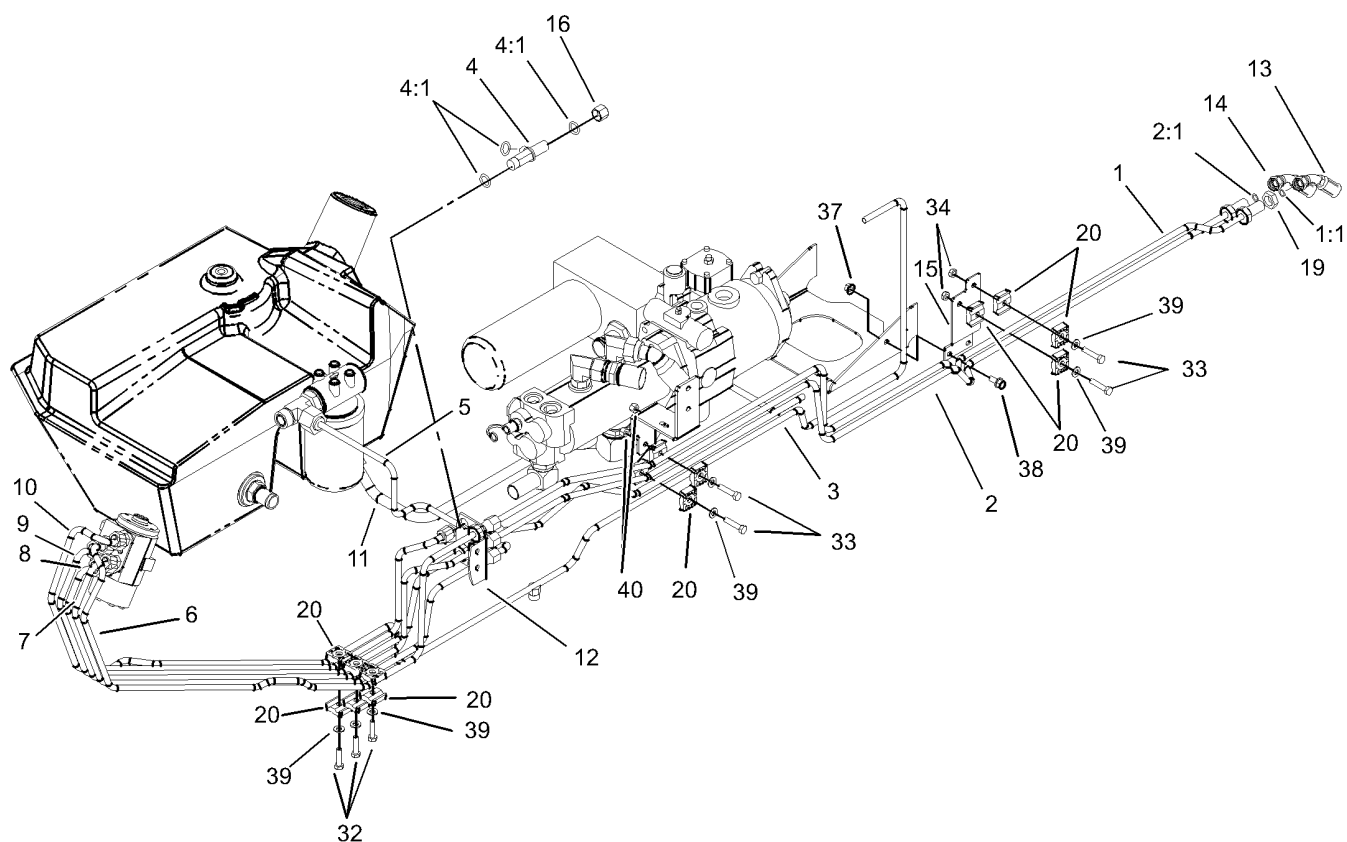
Ref.	Part Number	Qty.	Description
1	92-7536	1	Hose ASM
2	105-9818	1	Hose ASM
3	104-5476	1	Tube ASM
3:1	340-65	1	O-Ring
4	104-5478	1	Tube ASM
4:1	340-65	1	O-Ring
5	105-3864	1	Hose ASM
6	69-8950	2	Spacer
7	240-2	2	Grommet-Rubber
8	69-8920	4	Washer
9	104-5472	1	Tube ASM
9:1	340-65	1	O-Ring
10	105-3861	1	Tube ASM
11	105-3915	1	Tube ASM
12	104-5489	1	Tube ASM
14	105-3866	1	Tube ASM
15	104-5470	1	Tube ASM
16	105-3984	1	Tube ASM
17	105-3865	1	Tube ASM
18	104-5462	1	Tube ASM
19	104-5468	1	Tube ASM

Ref.	Part Number	Qty.	Description
20	104-5473	1	Tube ASM
20:1	340-65	1	O-Ring
21	92-7534	1	Hose ASM
22	104-5464	2	Hose ASM
23	105-3985	1	Hose ASM
24	105-9863	1	Tube-HYD
24:1	237-22	1	O-Ring
25	86-5480	1	Nipple-Test
26	59-7410	1	Tip-Nipple, Diagnostic
26:1	237-42	1	O-Ring
27	340-126	2	Nut-Bulkhead
28	340-128	2	Nut-Bulkhead
29	340-70	1	Nut-Lock
30	56-7973	2	Clamp-Tube
31	322-6	1	Screw-HH
32	3256-23	2	Washer-Flat
33	3296-29	1	Nut-Lock, NI
34	354-79	2	Cap-Dust
35	340-86	1	Fitting-Tee
35:1	237-22	2	O-Ring
35:2	237-42	1	O-Ring



Hydraulic Mow Line Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	104-5483	2	Hose ASM	16:1	237-22	2	O-Ring
2	104-5488	1	Tube ASM	17	105-3902	1	Tube ASM
2:1	340-65	1	O-Ring	17:1	237-65	1	O-Ring
3	105-3892	1	Tube ASM	18	105-3911	1	Tube ASM
3:1	237-65	1	O-Ring	19	105-3901	1	Tube ASM
4	105-3891	1	Tube ASM	19:1	237-65	2	O-Ring
4:1	237-65	1	O-Ring	20	105-3896	1	Tube ASM
5	105-9862	1	Tube ASM	20:1	237-65	1	O-Ring
5:1	237-22	2	O-Ring	21	105-3900	1	Tube ASM
6	105-3895	1	Tube ASM	21:1	237-65	2	O-Ring
6:1	237-65	1	O-Ring	22	105-3897	1	Tube ASM
7	105-3885	1	Tube ASM	22:1	237-65	1	O-Ring
8	105-3893	1	Tube ASM	23	104-5481	1	Tube ASM
8:1	237-65	1	O-Ring	23:1	340-65	1	O-Ring
9	105-3894	1	Tube ASM	25	56-7971	4	Clamp-Tube
9:1	237-65	1	O-Ring	26	340-128	2	Nut-Bulkhead
10	69-9000	13	Spacer	27	340-70	4	Nut-Lock
11	240-3	13	Grommet-Rubber	28	322-8	1	Screw-HH
12	340-74	13	Nut-Lock, Bulkhead	29	322-13	1	Screw-HH
13	69-9010	26	Washer	30	3256-23	4	Washer-Flat
14	340-68	3	Fitting-Tee, Bulkhead	31	3296-29	2	Nut-Lock, NI
14:1	237-22	3	O-Ring	32	56-7973	2	Clamp-Tube
15	105-3914	1	Tube ASM	33	340-72	1	Fitting-Bulkhead, 90 DEG
15:1	237-22	1	O-Ring	33:1	237-65	2	O-Ring
16	105-3913	1	Tube ASM				

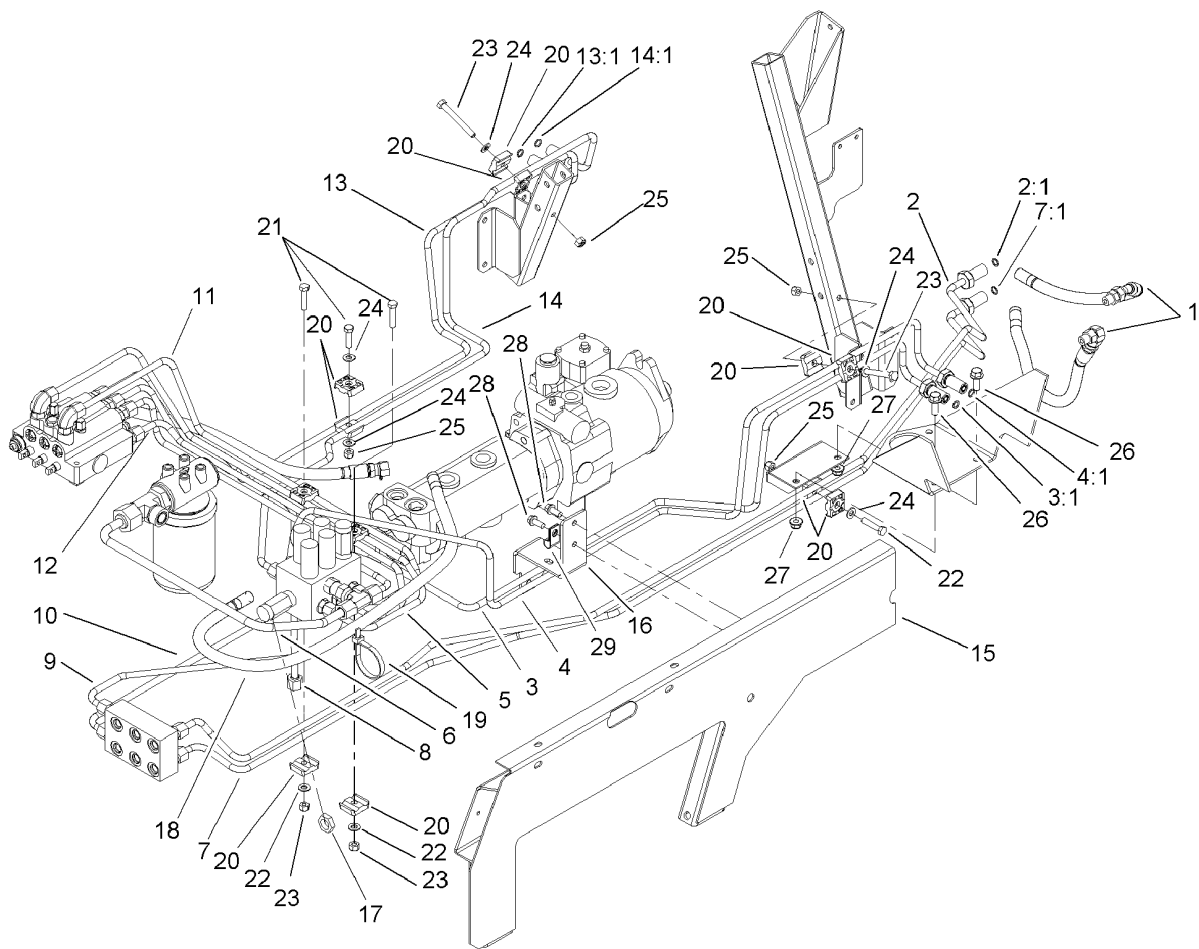


Steering Hydraulic Line Assembly

Ref.	Part Number	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 ●

Ref.	Part Number	Qty.	Description
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
20	56-7973	14	Clamp-Tube
32	322-6	3	Screw-HH
33	322-7	4	Screw-HH
34	3296-29	2	Nut-Lock, NI
37	32128-20	2	Nut-HF
38	3234-5	2	Screw-HHF
39	3256-23	7	Washer-Flat
40	3296-29	4	Nut-Lock, NI

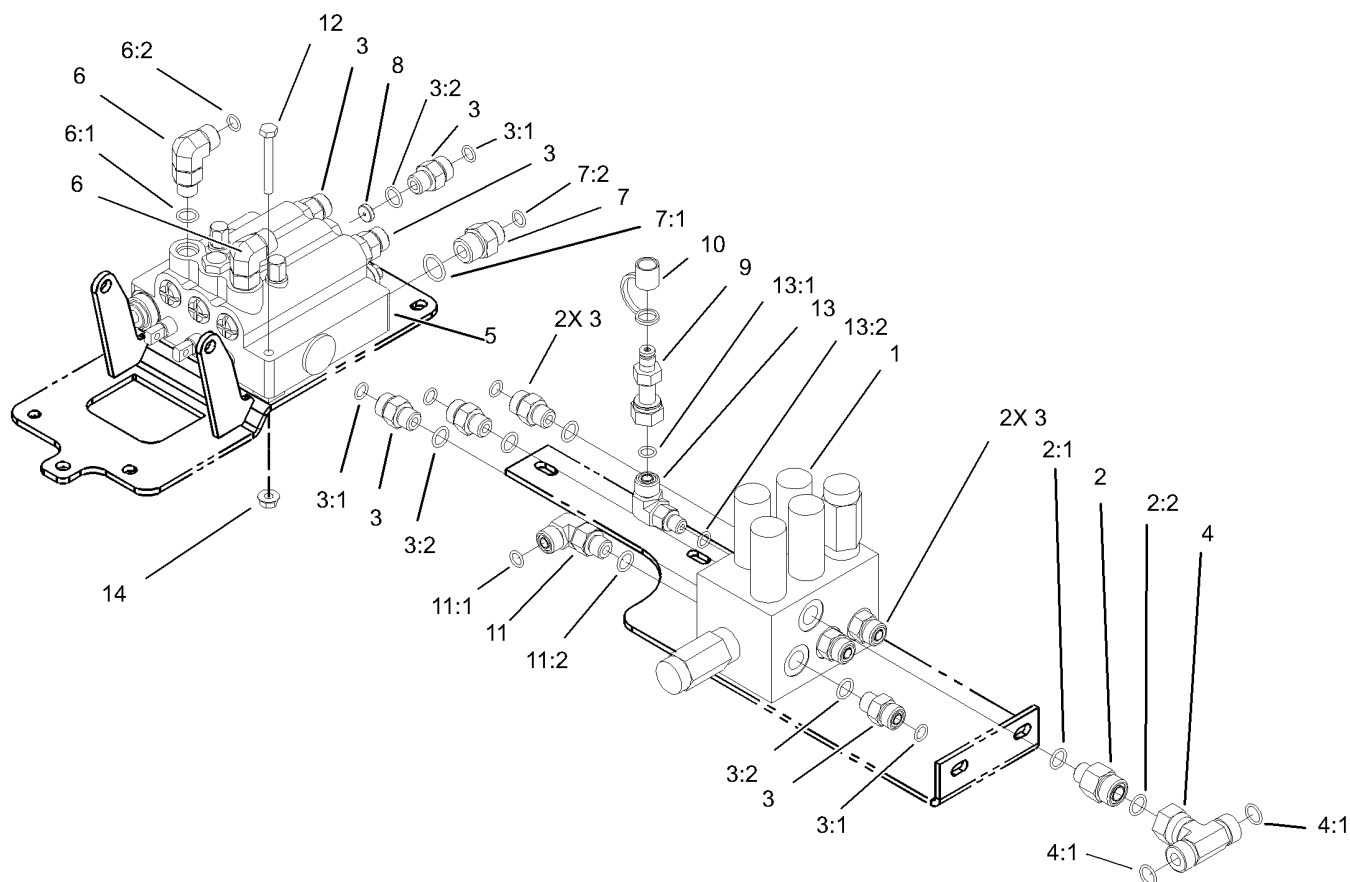
● Not illustrated



Hydraulic Lift Line Assembly

Ref.	Part Number	Qty.	Description
1	105-9238	4	Hose ASM
2	105-3988	1	Tube ASM
2:1	237-22	1	O-Ring
3	105-3926	1	Tube ASM
3:1	237-22	1	O-Ring
4	105-3927	1	Tube ASM
4:1	237-22	1	O-Ring
5	106-1041	1	Tube ASM
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
11	106-1040	1	Tube ASM
12	105-3920	1	Tube ASM
13	105-3924	1	Tube ASM
13:1	237-22	1	O-Ring

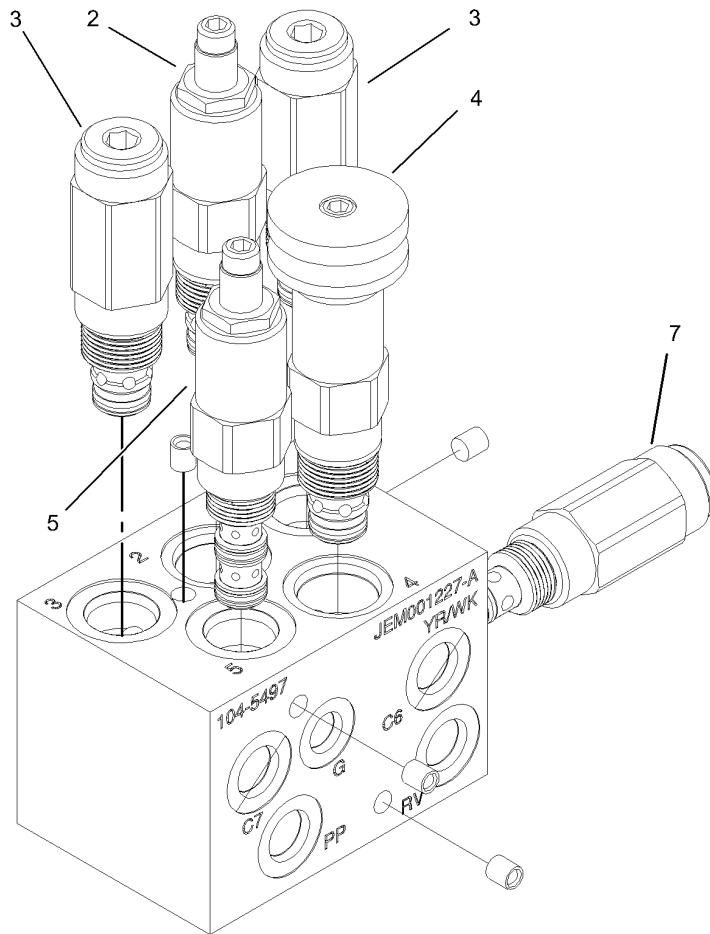
Ref.	Part Number	Qty.	Description
14	105-3925	1	Tube ASM
14:1	237-22	1	O-Ring
15	105-3990-03	1	Bracket-Support, Tube
16	105-3993-03	1	Bracket-Support, Tube
17	340-70	6	Nut-Lock
18	105-9838	1	Hose ASM
19	3334-945	1	Tie-Cable
20	56-7973	14	Clamp-Tube
21	322-6	3	Screw-HH
22	322-7	2	Screw-HH
23	322-13	2	Screw-HH
24	3256-23	9	Washer-Flat
25	3296-29	7	Nut-Lock, NI
26	3234-11	2	Screw-HHF
27	104-8301	2	Nut-Flange, NI
28	32144-14	2	Screw-HWHTF
29	2412-138	1	R-Clamp



Lift Valve and Counter Balance Assembly

Ref.	Part Number	Qty.	Description
1	104-5497	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	9	Fitting-HYD, Straight
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	105-9843	1	Valve-Spool, Three
6	340-77	2	Fitting-HYD, 90 DEG
6:1	237-22	1	O-Ring
6:2	237-42	1	O-Ring
7	340-3	2	Adapter

Ref.	Part Number	Qty.	Description
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

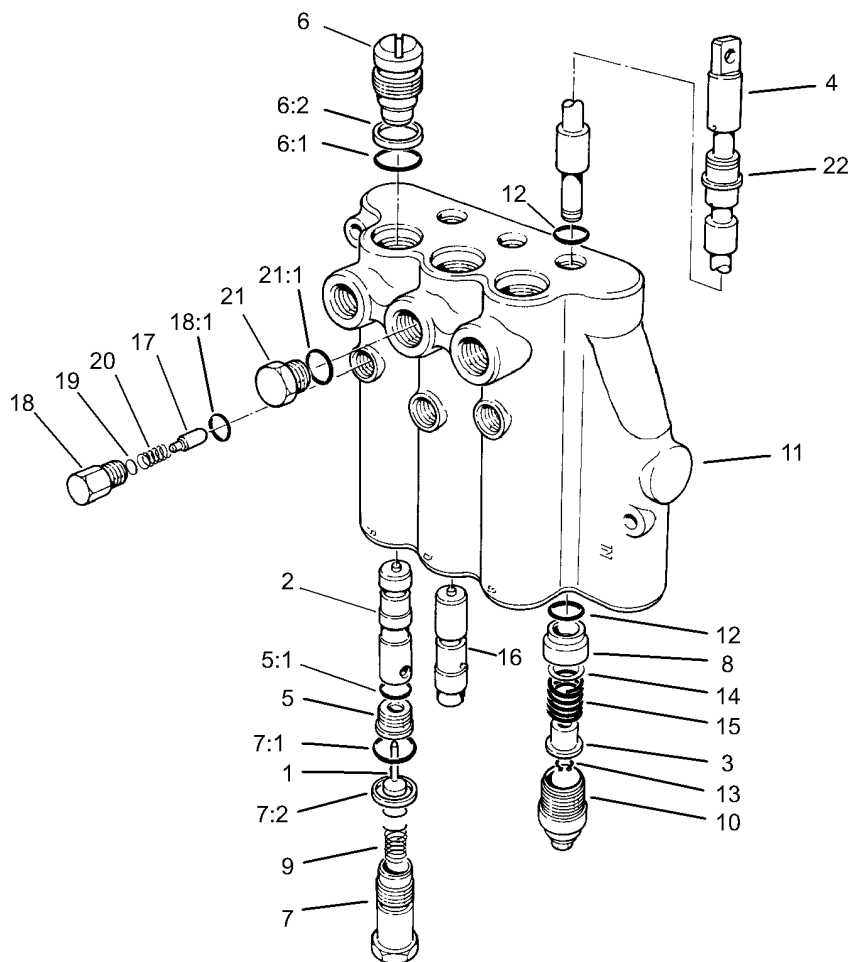


Manifold Assembly No. 104-5497

Ref.	Part Number	Qty.	Description
2	105-9161	1	Relief-Operated, Pilot
2:1	105-9151	1	Seal Kit ●
2:1:1		1	Seal-Dust ■
2:1:2		1	Ring, Back-Up ■
3	105-9165	2	Valve-Sequence
3:1	105-9164	1	Seal Kit ●
4	105-9162	1	Relief-Operated, Pilot
4:1	105-9151	1	Seal Kit ●
4:1:1		1	Seal-Dust ■
4:1:2		1	Ring, Back-Up ■
5	105-9163	1	Valve-Pilot Sequence, EXT
5:1	105-9164	1	Seal Kit ●
7	105-9844	1	Valve-Relief
7:2	105-9156	1	Seal Kit ●
7:2:1		1	Seal-Dust ■
7:2:2		1	Ring, Back-Up ■

● Not illustrated

■ Not serviced separately



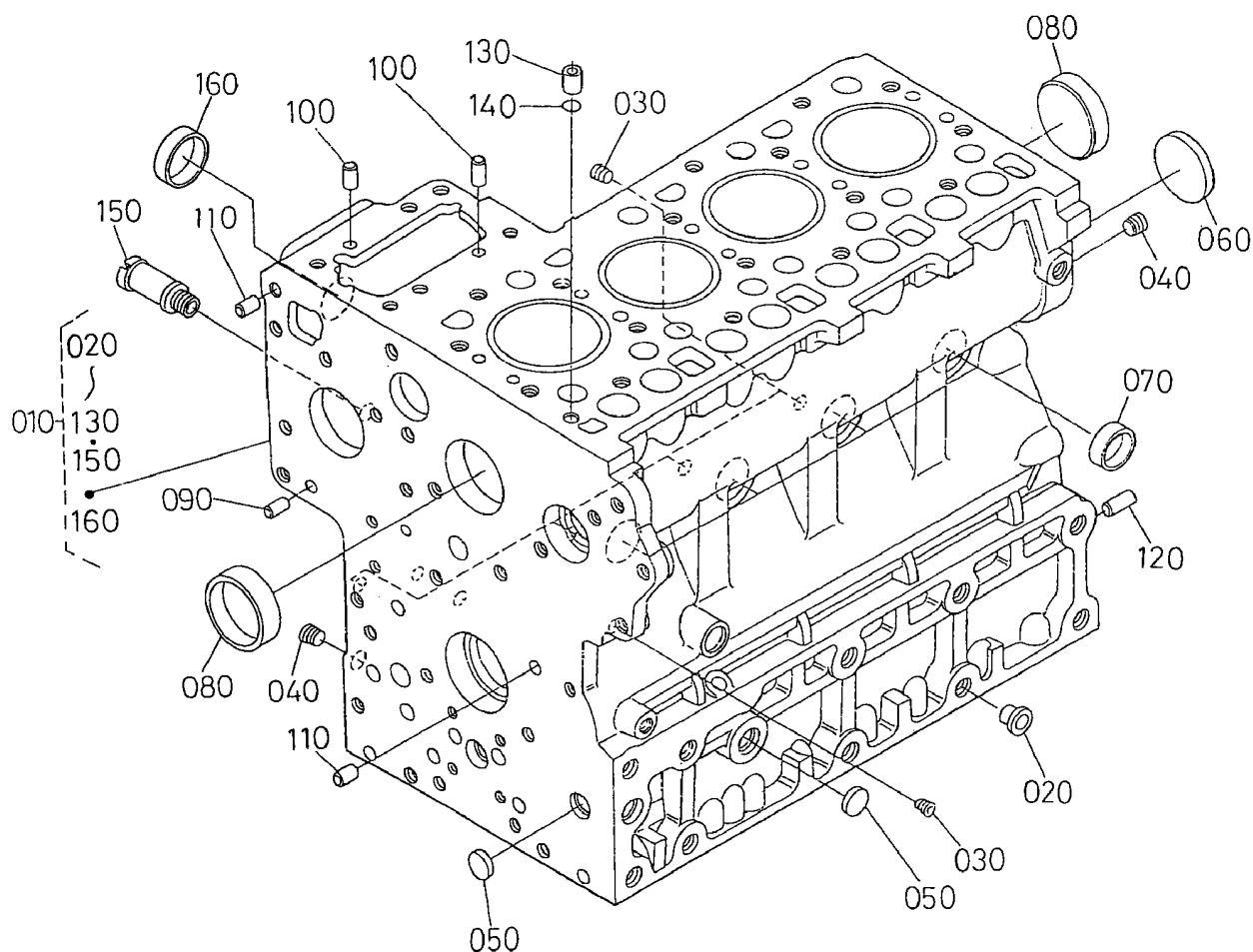
Single Spool Valve Assembly No. 105-9843

Ref.	Part Number	Qty.	Description
1	58-6290	3	Poppet
2	84-6420	2	Plunger
3	58-6310	3	Spacer
4		3	Spool ■
5	58-6330	3	Seat
5:1	58-6340	1	O-Ring
6	58-6350	3	Plug
6:1	60-5720	1	O-Ring
6:2	58-6370	1	Washer
7	69-1800	3	Plug ASM
7:1	58-6360	1	O-Ring
7:2	58-6370	1	Washer
8	58-6400	3	Bushing
9	69-1810	3	Spring
10	58-6420	3	Cap

Ref.	Part Number	Qty.	Description
11		1	Body ■
12	58-6450	6	O-Ring
13	58-6460	3	Ring-Retaining
14	58-6700	3	Washer
15	58-6730	3	Spring
16	69-1840	1	Plunger
17	58-6770	3	Plunger
18	58-6780	3	Plug
18:1	58-6790	1	O-Ring
19	60-6450	1	Disc
20	58-6760	3	Spring
21	58-6710	1	Plug
21:1	58-6720	1	O-Ring
22	58-6320	3	Wiper
23	60-3780	1	Seal Kit ●

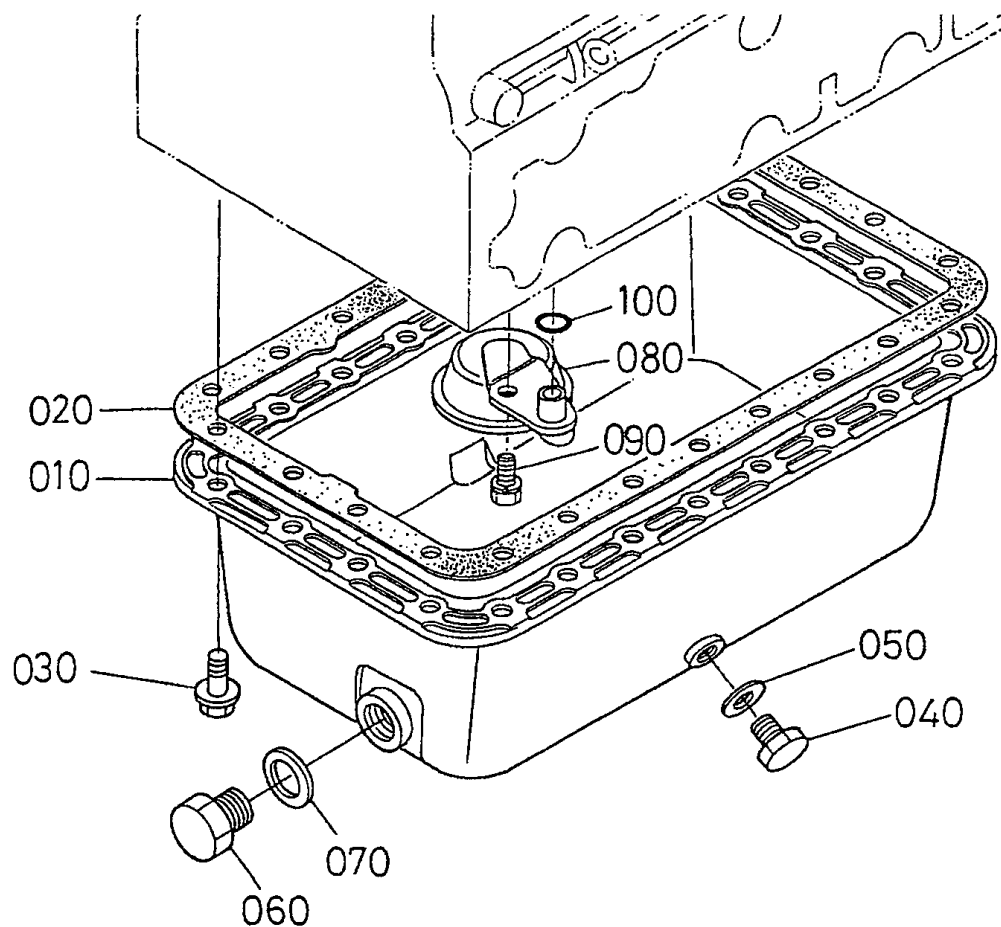
● Not illustrated

■ Not serviced separately



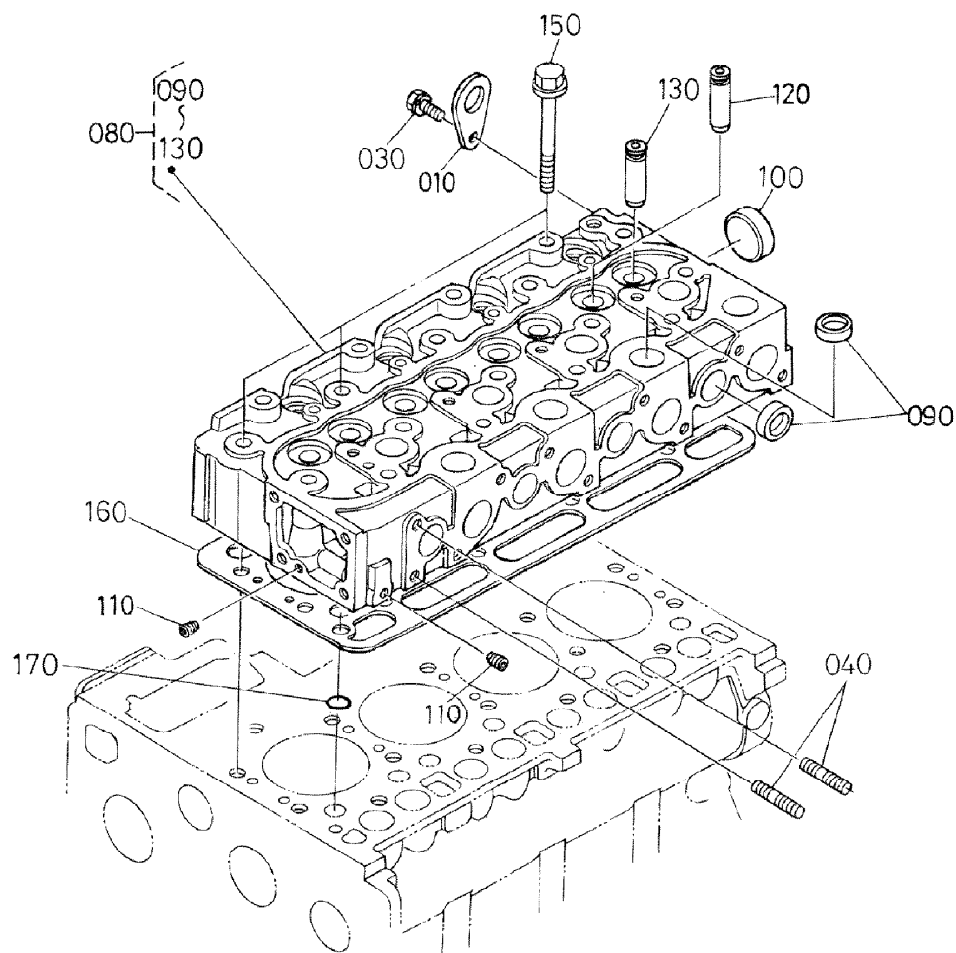
Crankcase Assembly

Ref.	Part Number	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



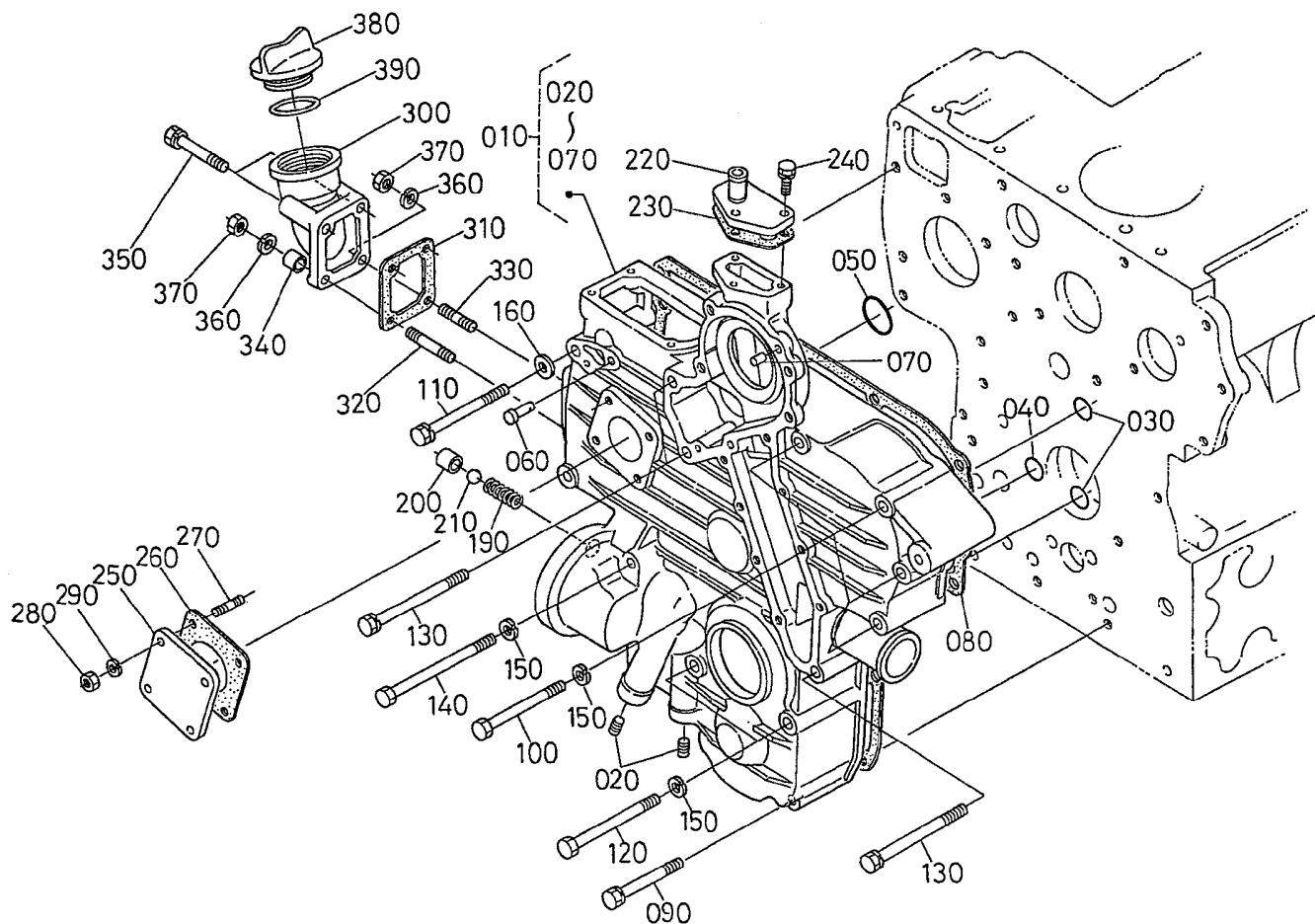
Oil Pan Assembly

Ref.	Part Number	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

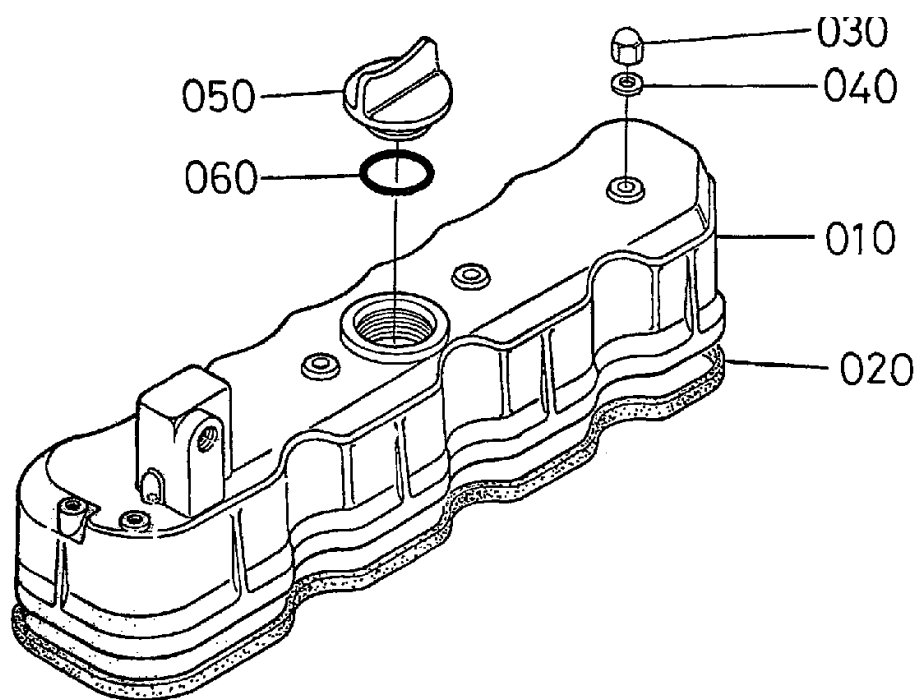
Ref.	Part Number	Qty.	Description
10	98-7530	1	Hook-Engine
30	100-9192	1	*obs* Bolt
40	98-7533	2	*obs* Stud
80	100-9159	1	Head-Cylinder
90	98-7538	12	Cap-Sealing
100	98-7539	1	Cap-Sealing
110	98-7540	2	Plug
120	98-7541	4	Guide-Valve, Intake
130	98-7542	4	Guide-Valve, Exhaust
150	98-7543	18	Bolt-Head, Cylinder
160	100-9160	1	Gasket-Head, Cylinder
170	98-7509	1	O-Ring



Gear Case Assembly

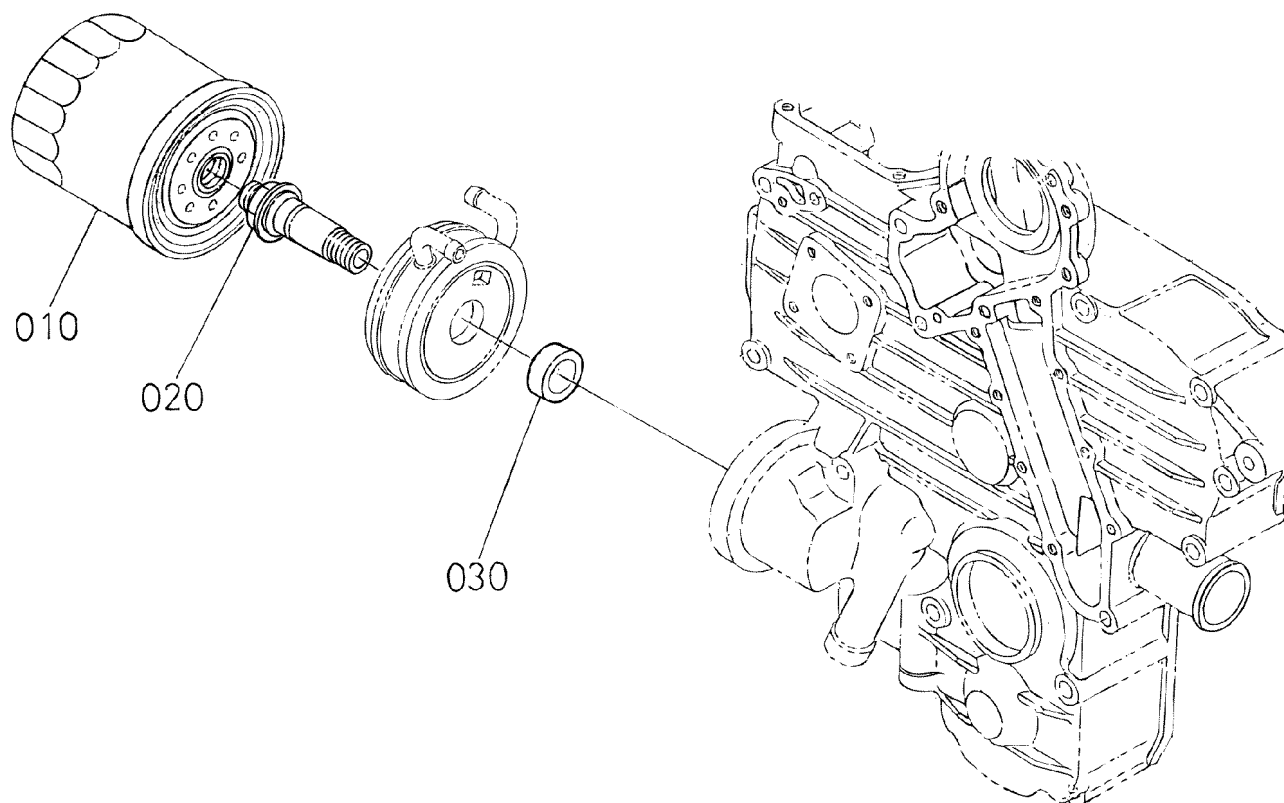
Ref.	Part Number	Qty.	Description
10	100-9161	1	Gearcase ASM
20	107-0108	2	Plug
30	107-0104	2	O-Ring
40	107-0105	1	O-Ring
50	107-0106	1	O-Ring
60	98-7550	1	Pin-Spring, Start
70	98-7504	2	Pin-Straight
80	98-7552	1	Packing-Case, Gear
90	98-7553	2	Bolt
100	99-8336	5	Bolt
110	98-7555	1	Bolt
120	98-7556	2	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

Ref.	Part Number	Qty.	Description
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-Meter, Hour
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



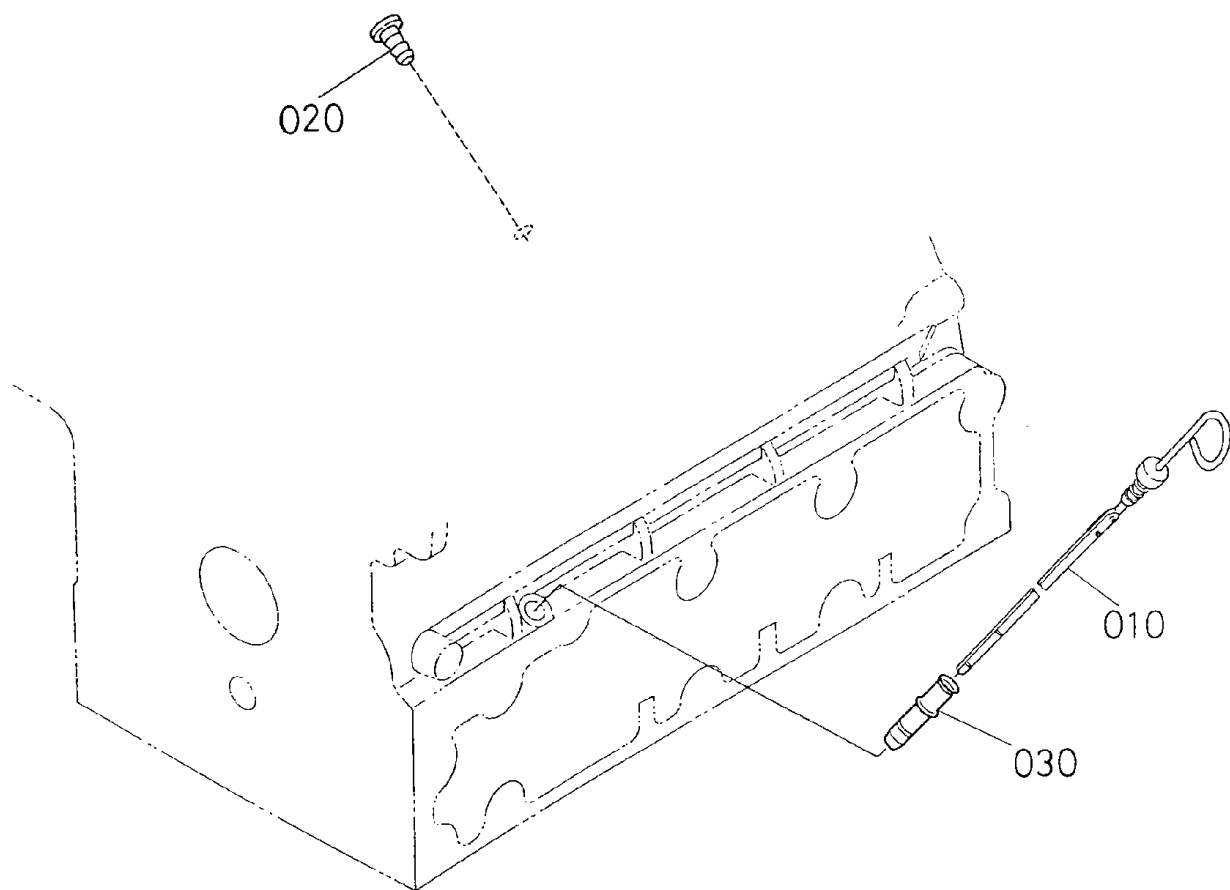
Head Cover Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-7425	1	Cover-Head, Cylinder
20	98-7426	1	Gasket-Cover, Head
30	98-7427	4	Nut-Cap
40	98-7428	4	Gasket
50	98-7429	1	Plug-Filter, Oil
60	107-0102	1	O-Ring



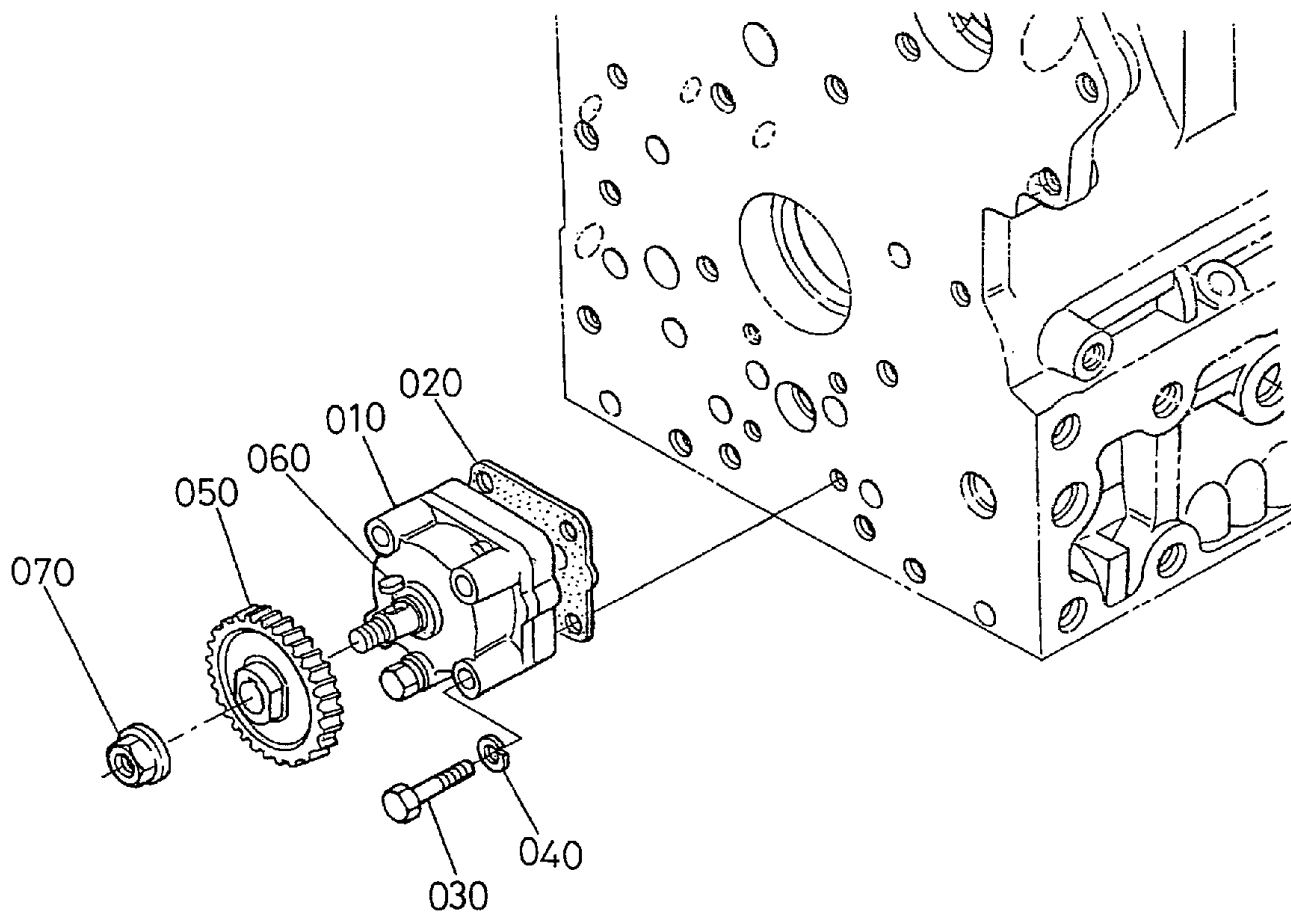
Oil Filter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-5169	1	Filter-Oil
20	100-9166	1	Connector
30	100-9167	1	Collar



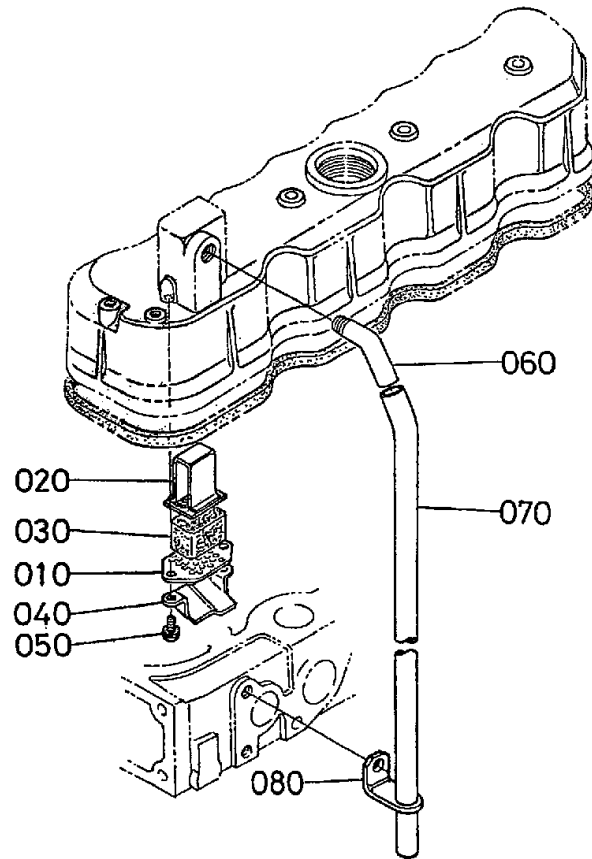
Dipstick and Guide Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	105-4579	1	Gauge-Oil
20	100-9169	1	*obs* Plug-Gauge, Oil
30	105-4580	1	Guide-Gauge, Oil



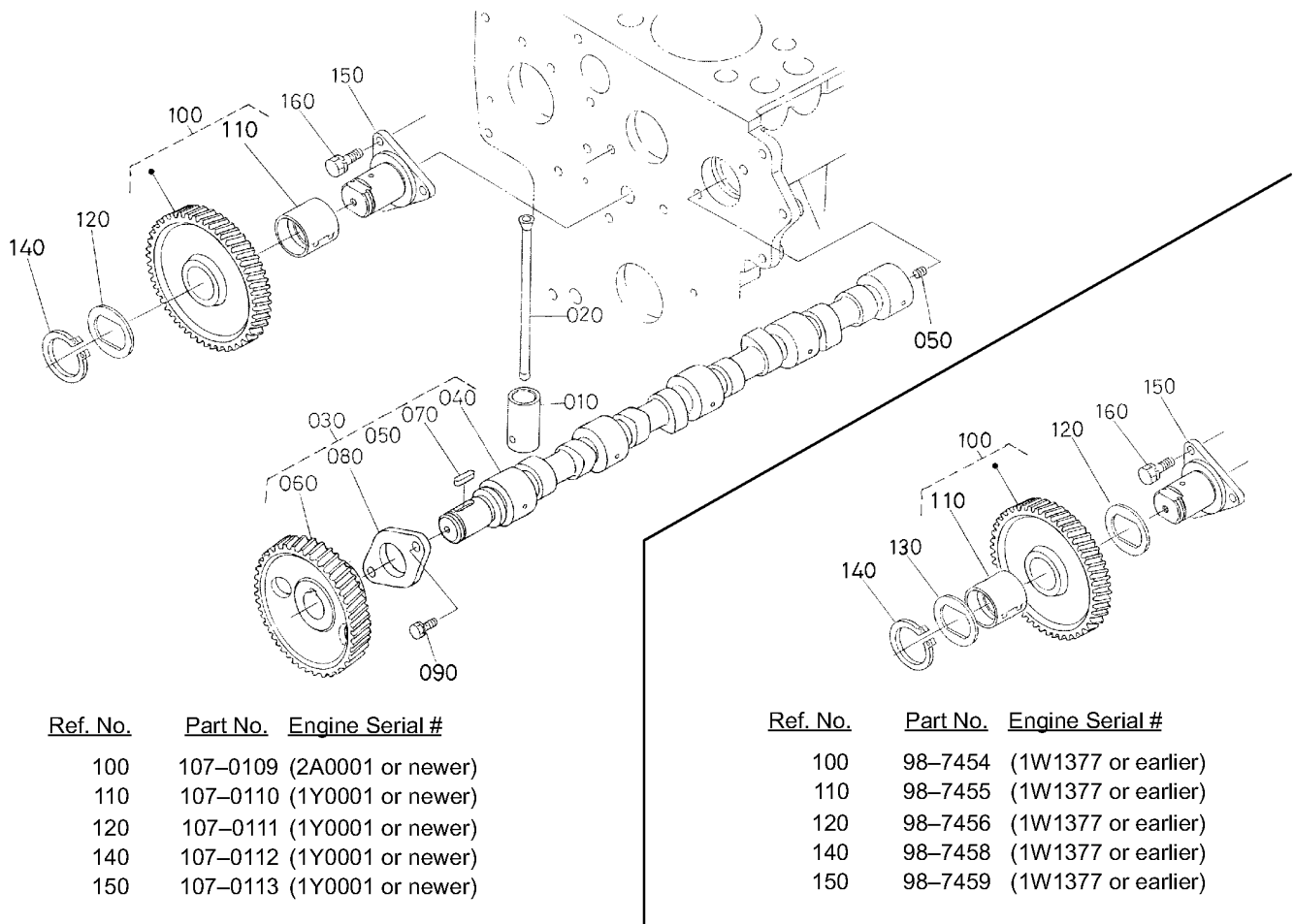
Oil Pump Assembly

Ref.	Part Number	Qty.	Description
10	100-9170	1	Oil Pump ASM
20	98-7513	1	Gasket-Pump, Oil
30	98-7514	4	Bolt
40	98-7699	4	Washer-Spring
50	98-7516	1	Gear-Drive, Oil Pump
60	98-7517	1	Key-Feather
70	98-7518	1	Nut-Flange



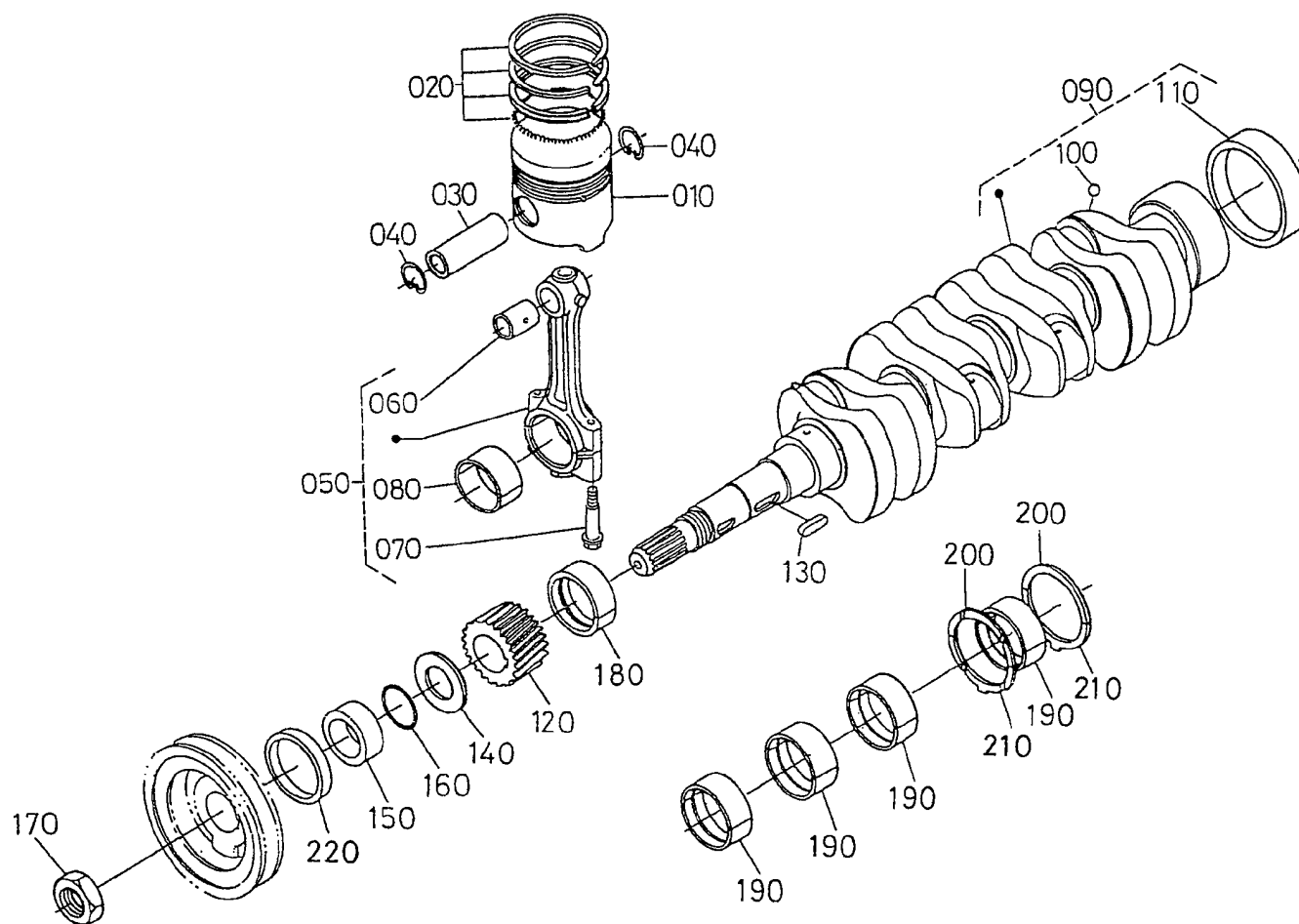
Breather Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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



Camshaft and Idler Gear Shaft Assembly

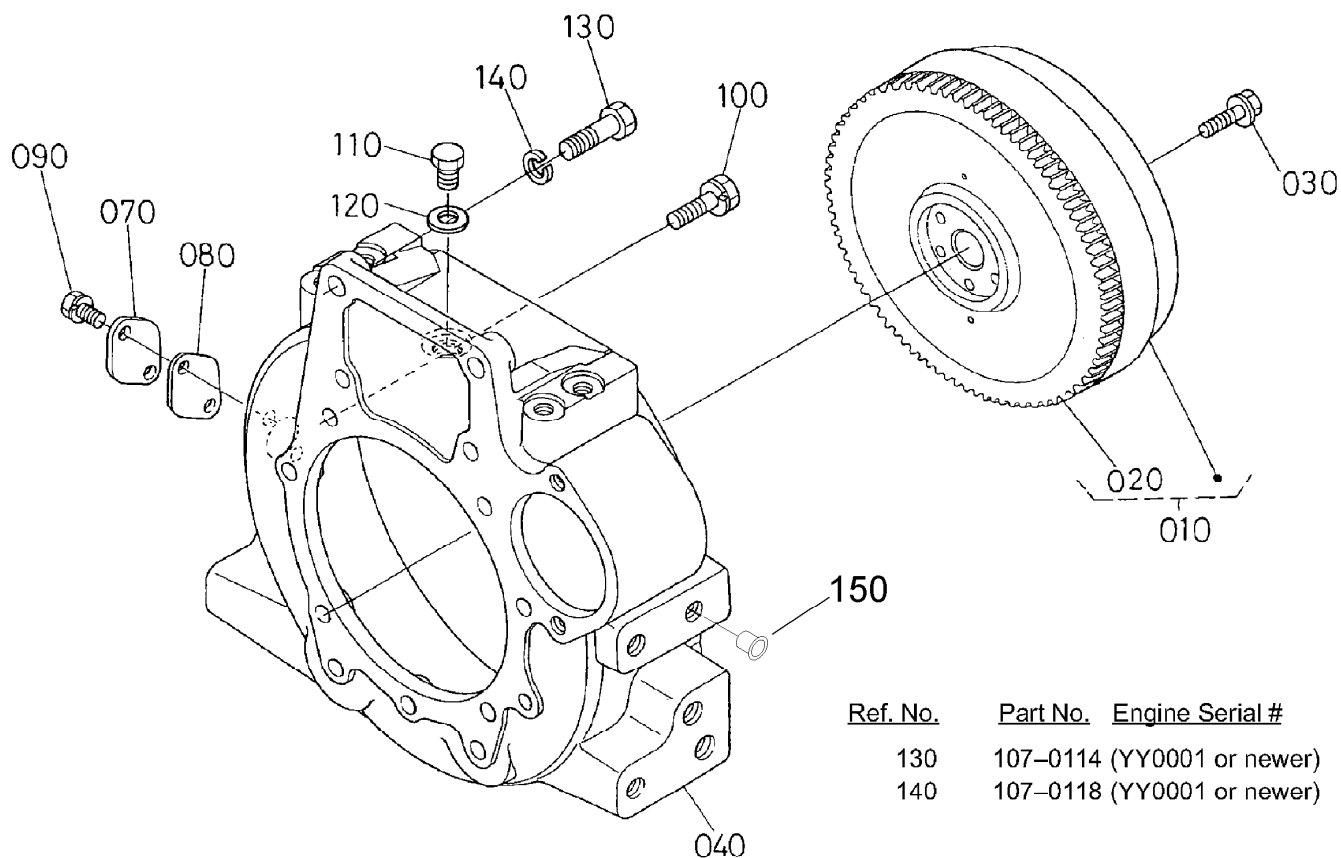
Ref.	Part Number	Qty.	Description
10	98-7445	8	Tappet
20	98-7446	8	Rod-Push
30	100-9179	1	Camshaft ASM
40	100-9180	1	Camshaft
50	98-7449	1	Screw-Set
60	98-7450	1	Gear-Camshaft
70	98-7451	1	Key-Feather
80	98-7452	1	Stopper-Camshaft
90	98-7453	2	Bolt
100	98-7454	1	Gear-Idler, Complete
100	107-0109	1	Gear-Idler
110	98-7455	1	Bushing-Gear, Idler
110	107-0110	1	Bushing-Gear, Idler
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	Circlip-External
150	98-7459	1	Shaft-Gear, Idler
150	107-0113	1	Shaft-Gear, Idler
160	98-7453	3	Bolt



Piston and Crankshaft Assembly

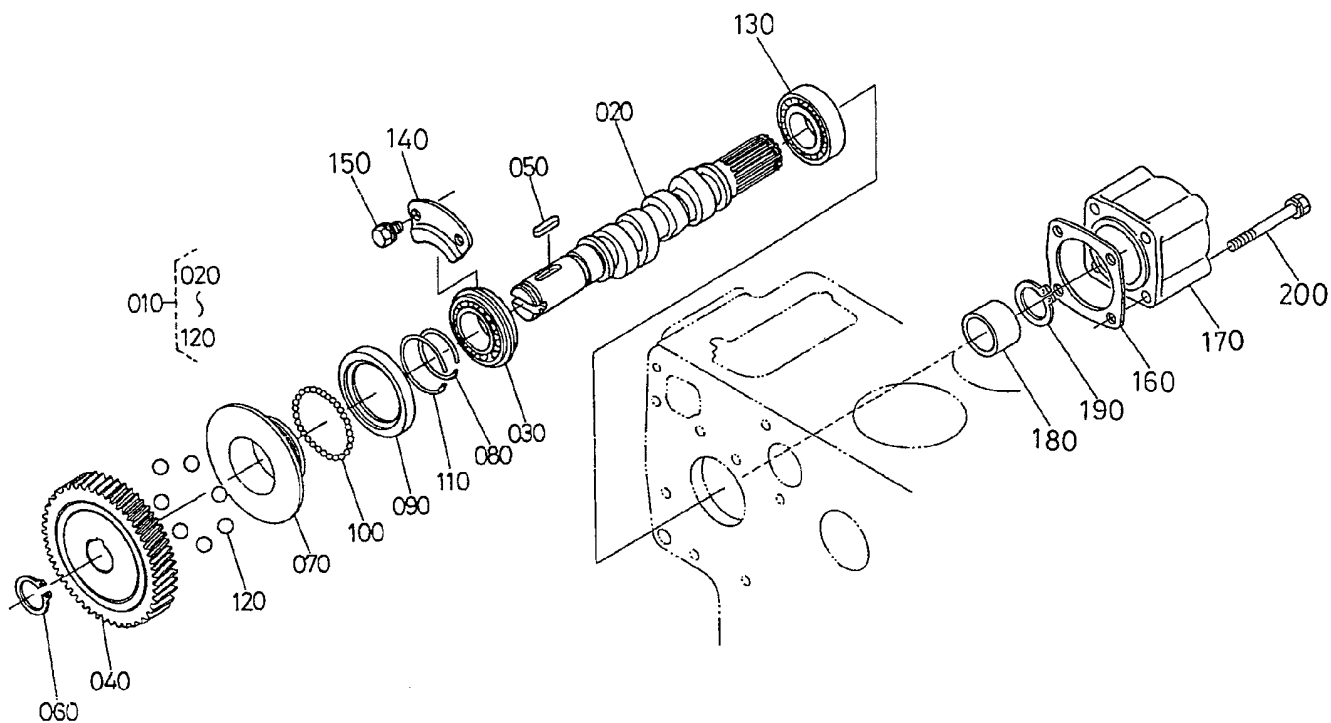
Ref.	Part Number	Qty.	Description
10	99-5435	1	Piston (.50Mm)
10	100-9181	4	Piston-STD
20	100-9182	4	Piston Ring ASM (STD)
20	99-5436	1	Piston Ring ASM (0.50Mm)
30	98-7464	4	Pin-Piston
40	98-7465	8	Clip-Pin, Piston
50	98-7466	4	Connecting Rod ASM
60	98-7467	4	Bushing-Pin, Piston
70	98-7468	8	Bolt-Rod, 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

Ref.	Part Number	Qty.	Description
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)
190	98-7484	4	Metal-Crankshaft (STD)
190	99-6862	4	Metal-Crankshaft (-0.20Mm)
190	99-6863	4	Metal-Crankshaft (-0.40Mm)
200	98-9413	2	Bearing-Thrust (STD)
200	98-9414	2	Bearing-Thrust (0.2Mm)
200	98-9415	2	Bearing-Thrust (0.4Mm)
210	98-9688	2	Bearing-Thrust (STD)
210	98-9689	2	Bearing-Thrust (0.2Mm)
210	98-9690	2	Bearing-Thrust (0.4Mm)
220	98-7480	1	Seal-Oil



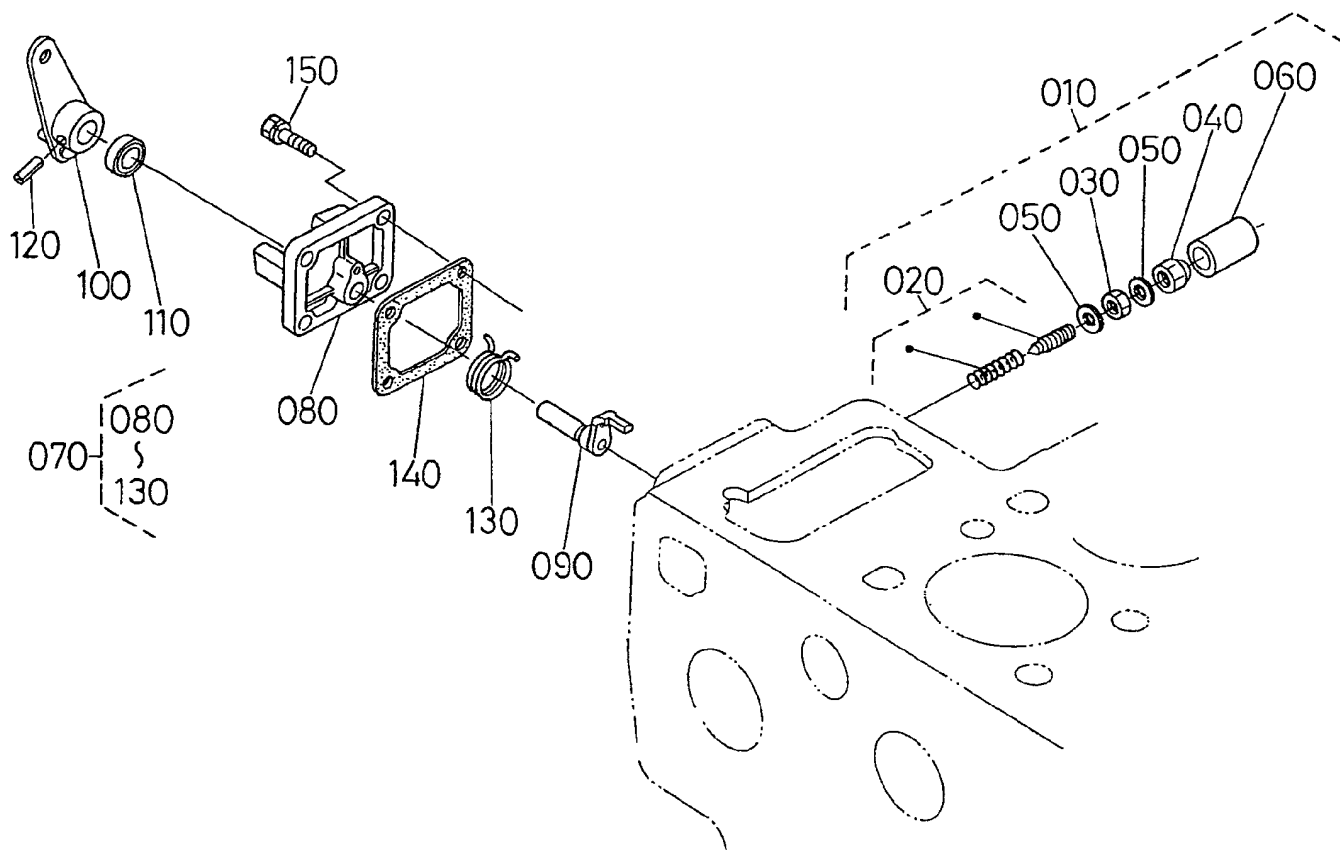
Flywheel Assembly

Ref.	Part Number	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
150	100-9189	2	Plug



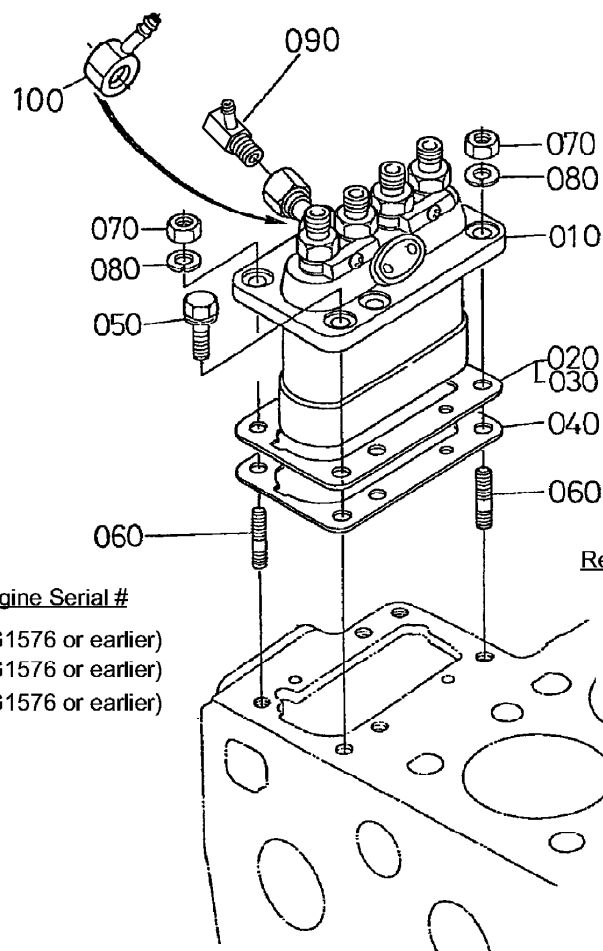
Fuel Camshaft and Governor Shaft Assembly

Ref.	Part Number	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	Circlip-External
70	98-7577	1	Sleeve-Governor
80	98-7578	1	Circlip-Sleeve, Governor
90	98-7579	1	Case-Ball, Governor
100	98-7580	39	Ball
110	98-7581	1	Circlip
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	Circlip-External
200	98-7590	4	Bolt



Engine Stop Lever Assembly

Ref.	Part Number	Qty.	Description
10	98-7591	1	Idle 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

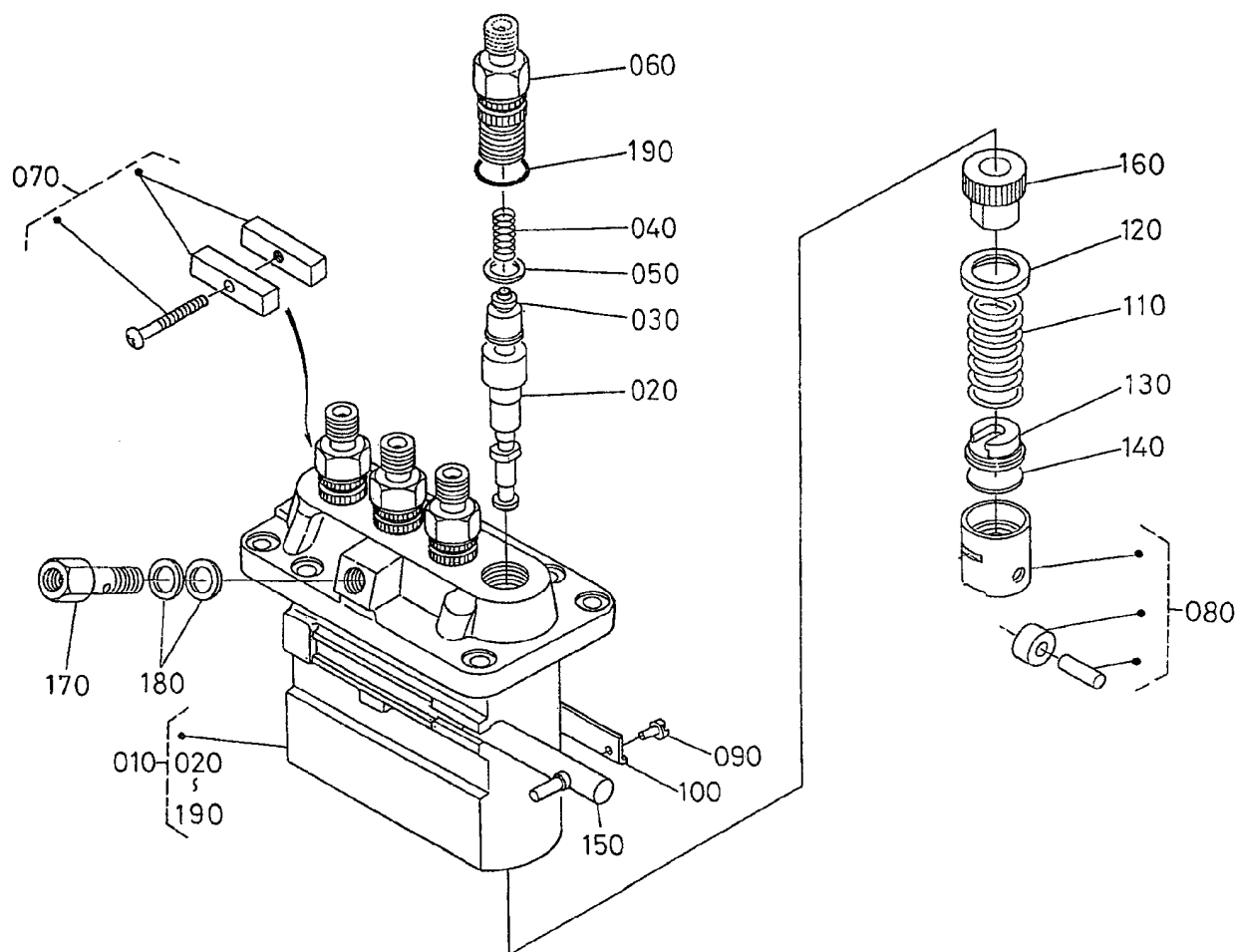


<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
020	98-7607	(2G1576 or earlier)
030	98-7608	(2G1576 or earlier)
040	98-7609	(2G1576 or earlier)

<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
020	107-0146	(2J0001 or newer)
030	107-0147	(2J0001 or newer)
040	107-0148	(2J0001 or newer)

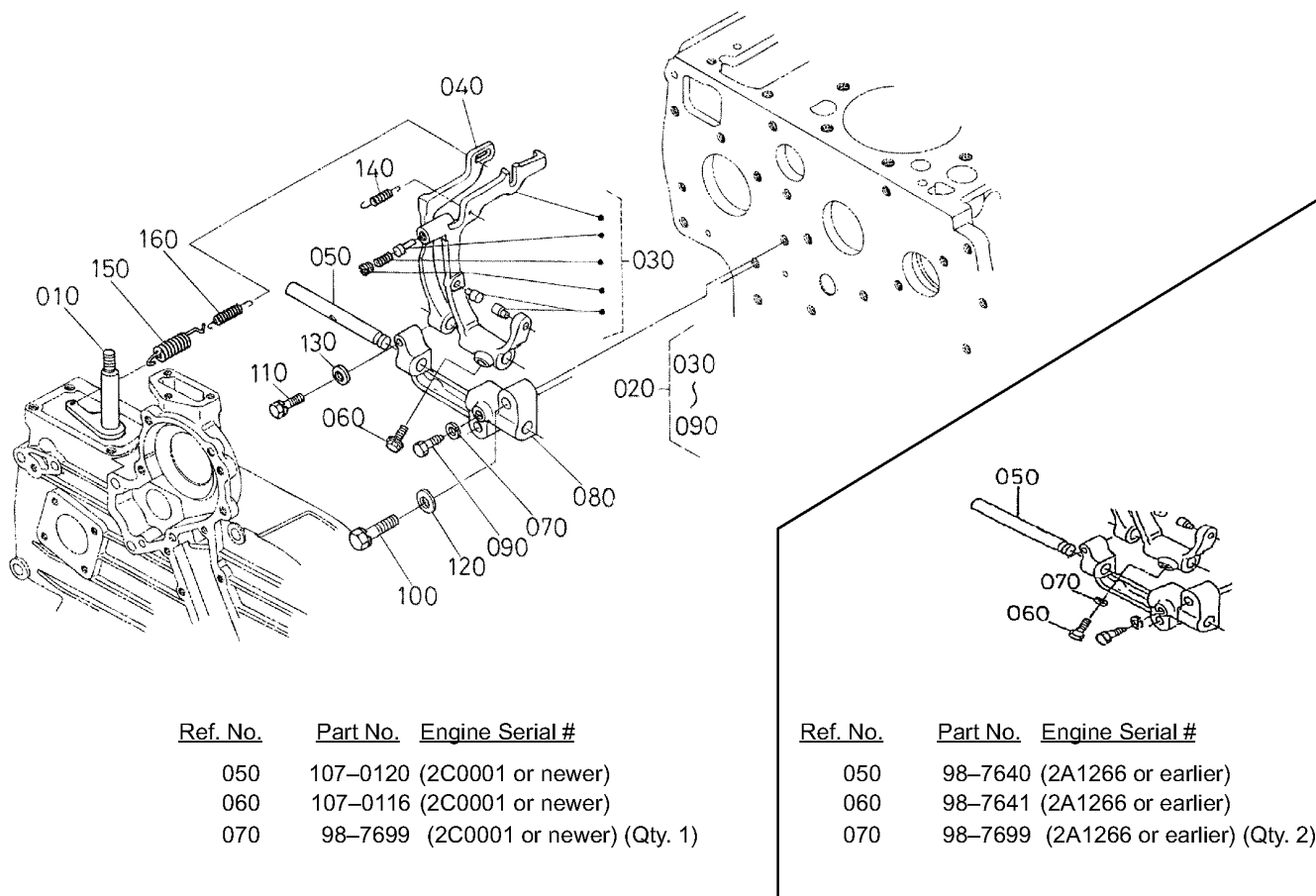
Injection Pump Assembly

Ref.	Part Number	Qty.	Description
10	100-9201	1	Injection Pump ASM
20	107-0146	1	Shim
20	98-7607	1	Shim-Pump, Injection (0.200Mm)
30	107-0147	1	Shim-Pump, Injection (0.250Mm)
30	98-7608	1	Shim
40	107-0148	1	Shim-Pump, Injection (0.300Mm)
40	98-7609	1	Shim-Pump, Injection
50	100-2562	4	Bolt
60	100-1558	2	Stud
70	98-7534	2	Nut
80	105-2893	2	Washer-Spring
90	107-4300	1	Orifice ASM
100	98-7617	1	Joint



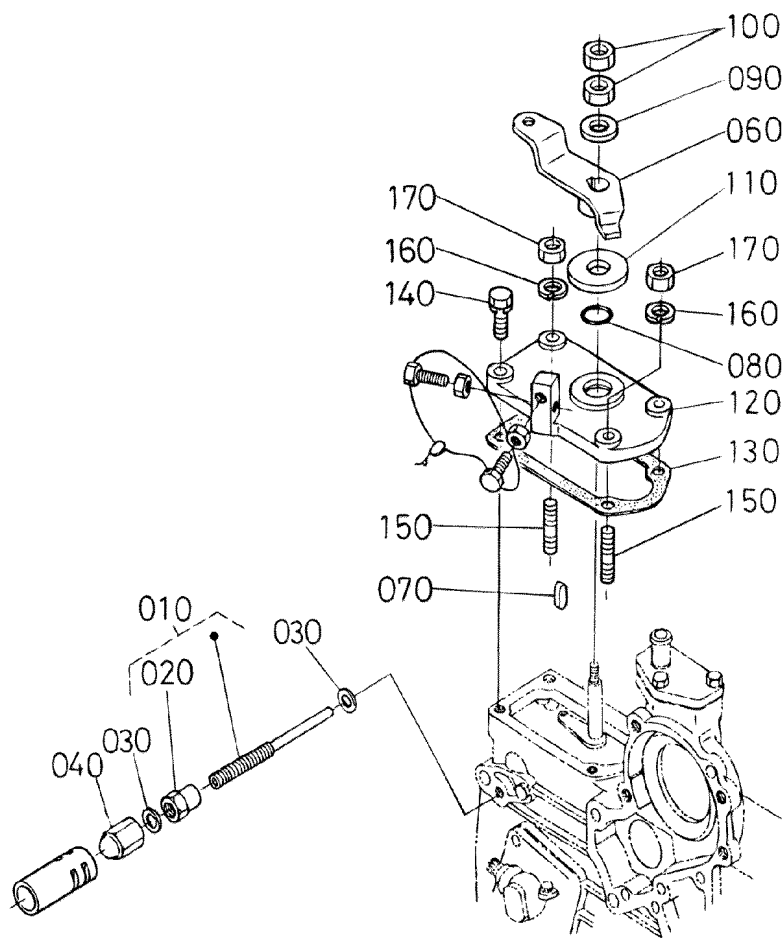
Injection Pump Component Part Assembly

Ref.	Part Number	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



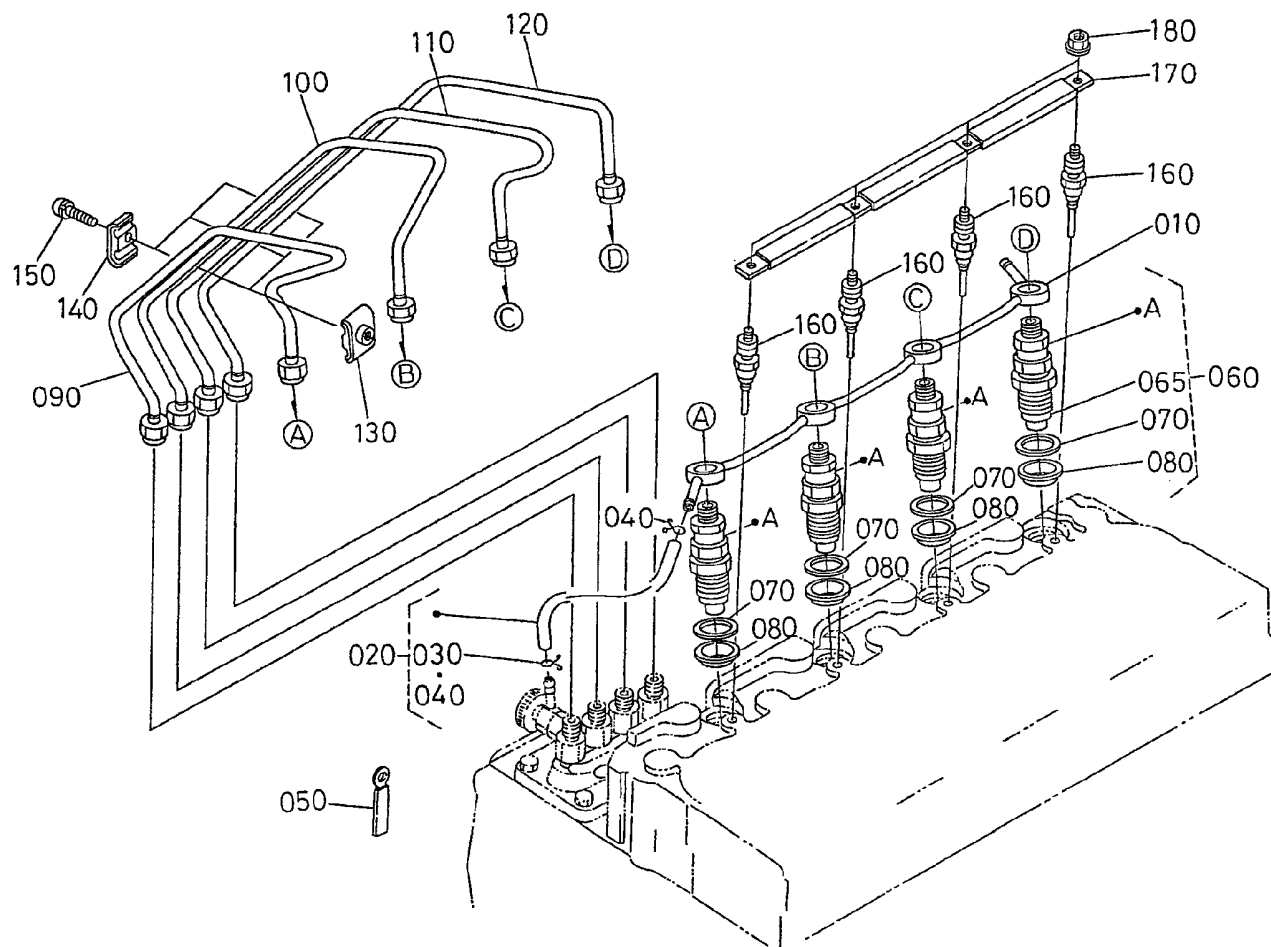
Governor Assembly

Ref.	Part Number	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	1	Washer-Spring
70	98-7699	2	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



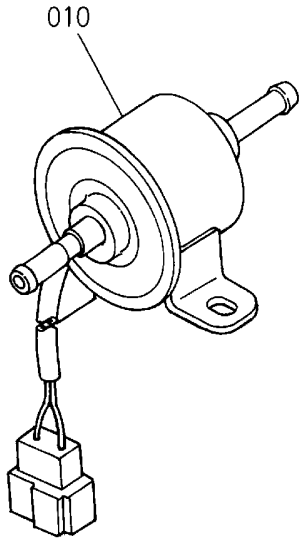
Speed Control Plate Assembly

Ref.	Part Number	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	98-7660	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

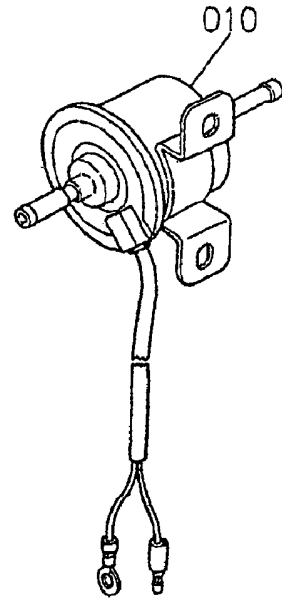
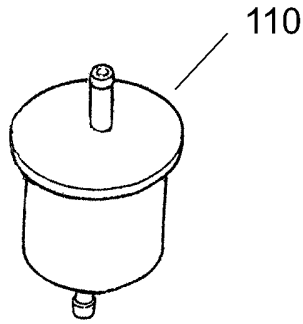


Nozzle Holder and Glow Plug Assembly

Ref.	Part Number	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-Heat
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 (With Washer)
160	98-7685	4	Plug-Glow
170	98-7686	1	Cord-Plug, Glow
180	99-8377	4	Nut-Flange



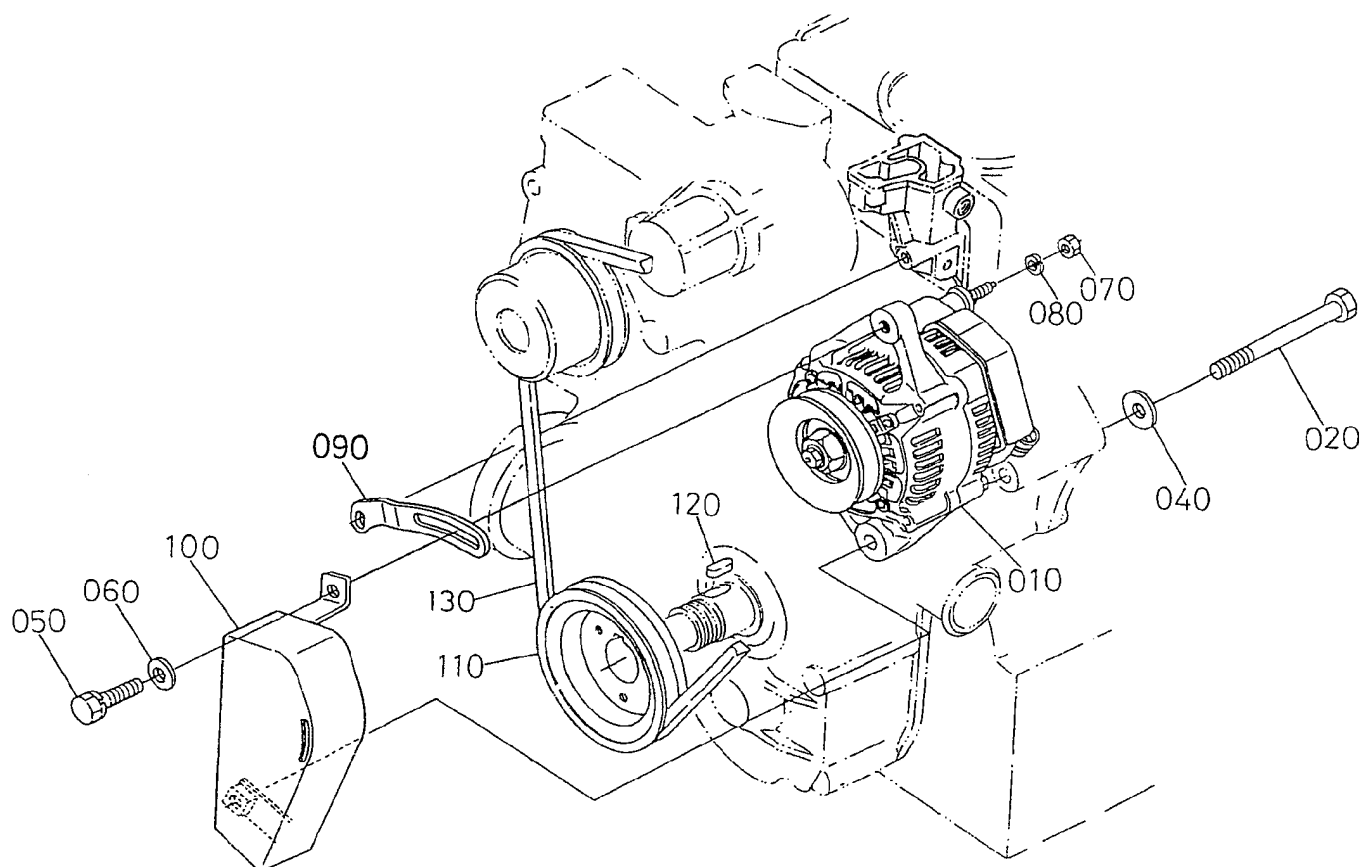
Ref. No. Part No. Engine Serial #
 010 107-0122 (2S0001 or newer)



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

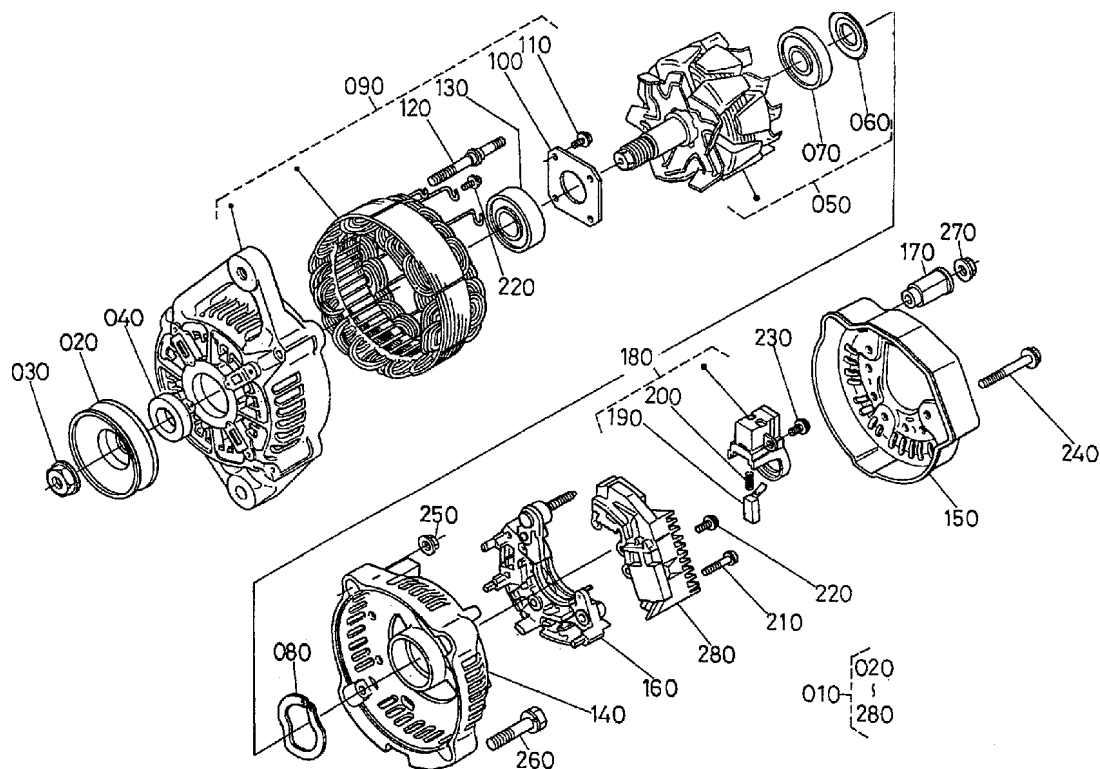
Fuel Filter and Fuel Pump

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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 Number	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



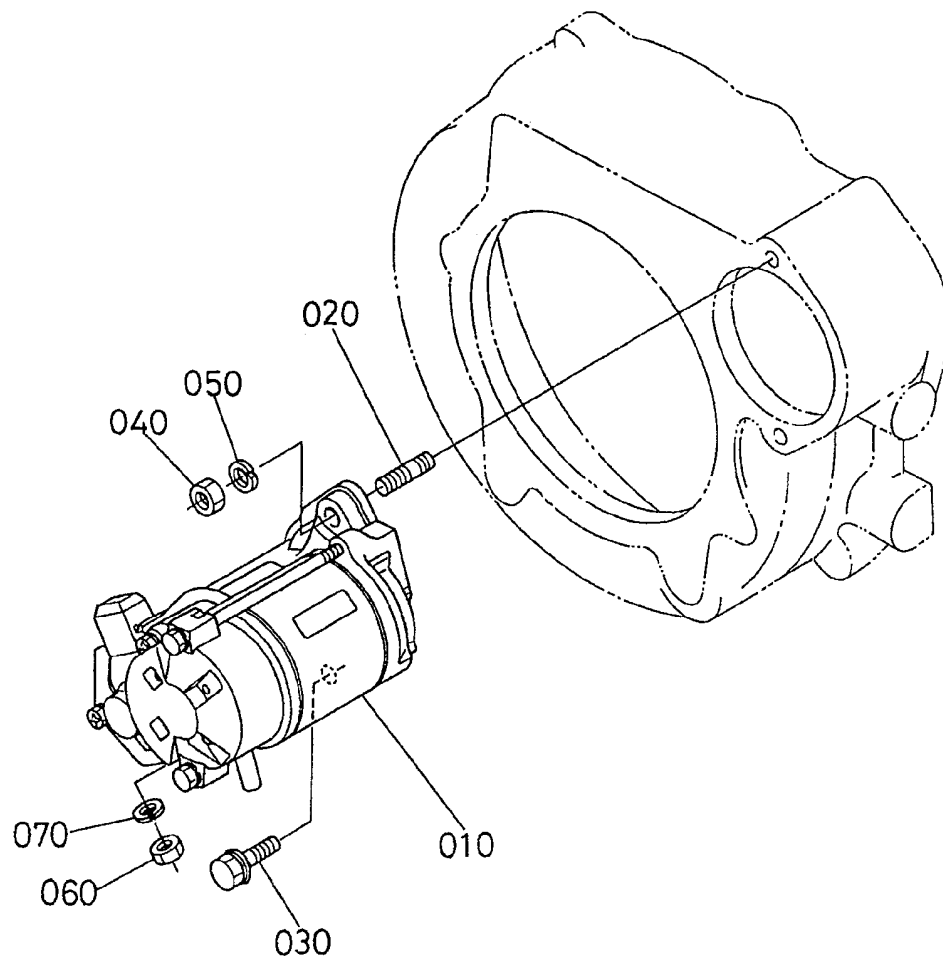
Ref. No.	Part No.	Engine Serial #
090	98-7714	(1Q1216 or earlier)
150	98-7720	(1Q1216 or earlier)
180	98-7723	(1Q1216 or earlier)

Ref. No.	Part No.	Engine Serial #
090	107-0139	(1S0001 or newer)
150	107-0140	(1S0001 or newer)
180	107-0141	(1S0001 or newer)

Alternator Component Part Assembly

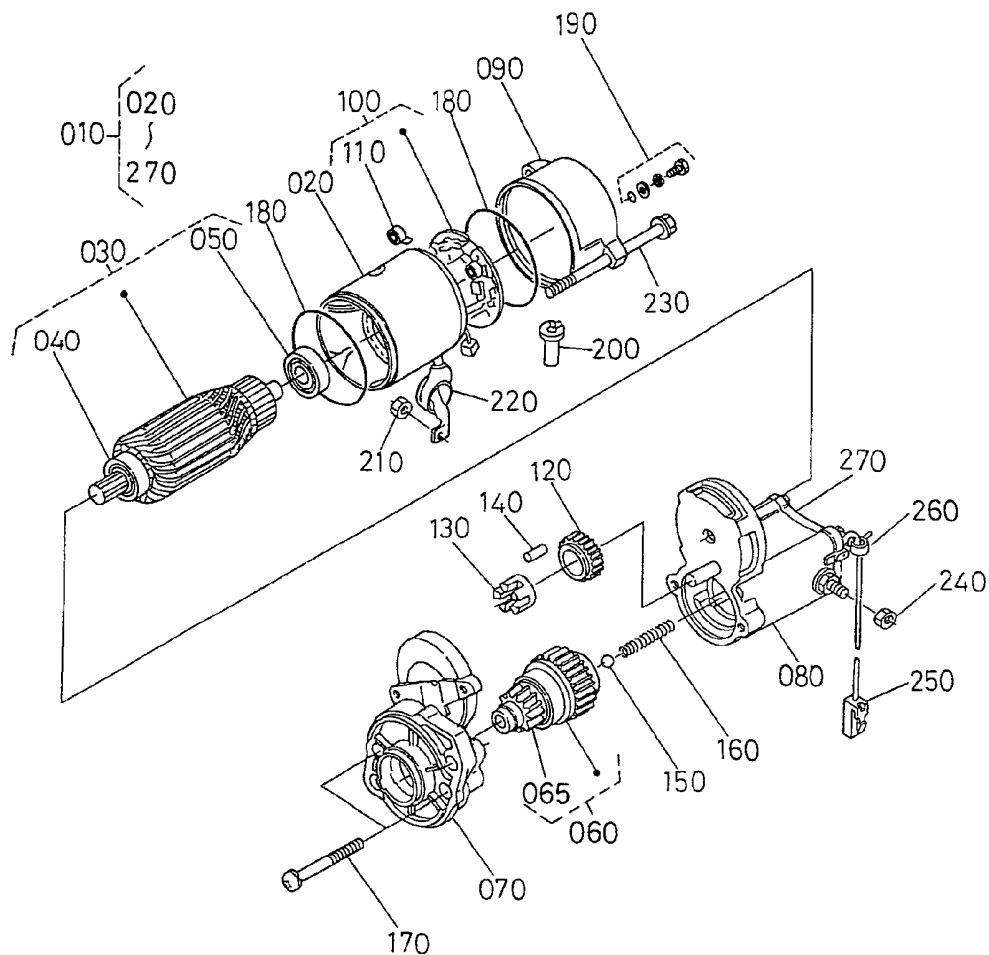
Ref.	Part Number	Qty.	Description
10	107-0145	1	Alternator ASM
20	98-7707	1	Pulley-Alternator
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
90	98-7714	1	Frame-End, Drive
100	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

Ref.	Part Number	Qty.	Description
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	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	98-7733	1	Regulator ASM



Starter Assembly

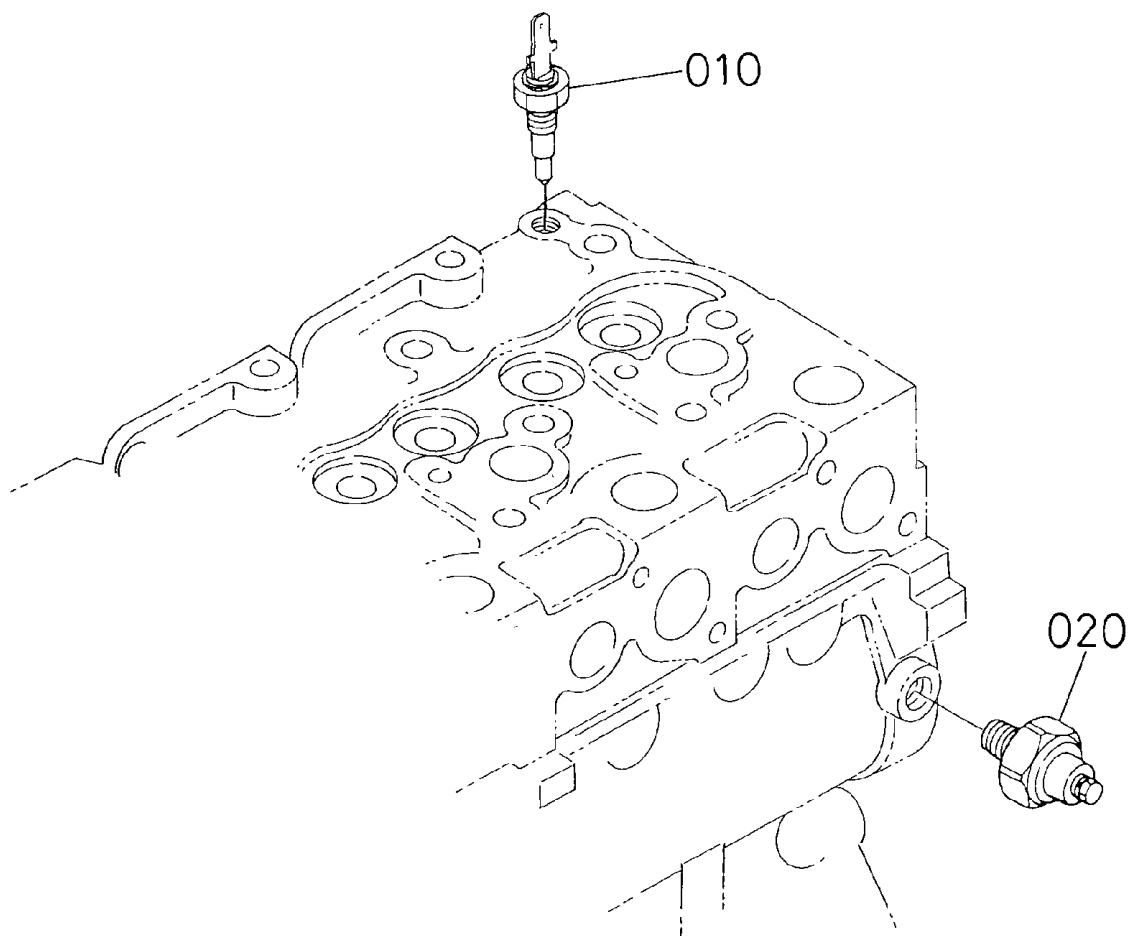
Ref.	Part Number	Qty.	Description
10	100-9237	1	Starter ASM
20	98-7735	1	Stud
30	98-7736	1	Bolt
40	99-7526	1	Nut
50	98-7738	1	Washer-Spring
60	98-7739	1	Nut
70	105-2893	1	Washer-Spring



Starter Component Part Assembly

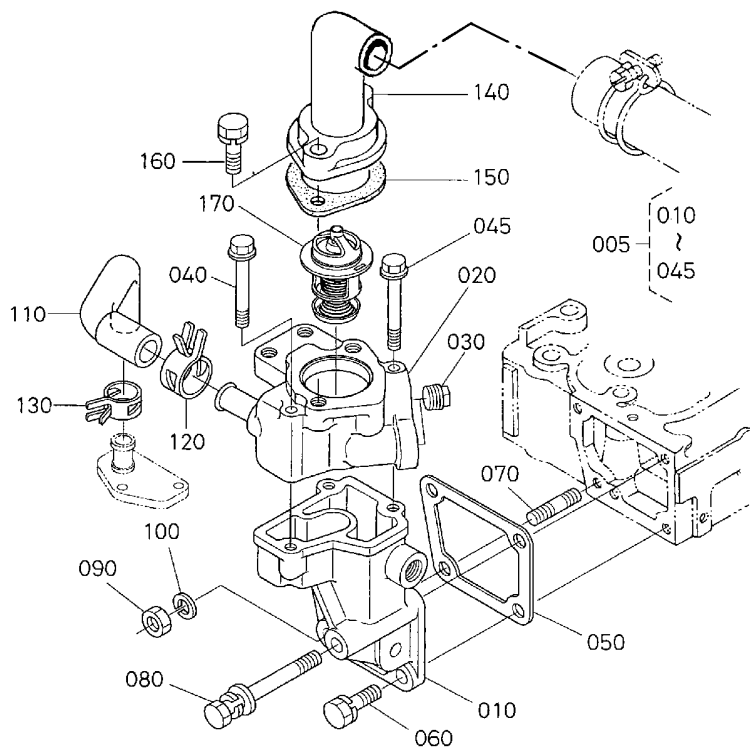
Ref.	Part Number	Qty.	Description
10	100-9237	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	98-7745	1	Clutch-Running, Over
65	105-2887	1	Pinion-Bevel
70	98-7746	1	Frame-End, Drive
80	100-9239	1	Magentic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear
130	98-7752	1	Retainer

Ref.	Part Number	Qty.	Description
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
240	99-8376	1	Nut-Hex
250	98-9711	1	Cord-Solenoid, Stop
260	98-9712	1	Band-Cover
270	105-2886	1	Cover ASM

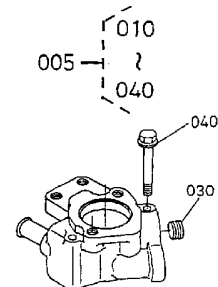


Oil Switch / Thermometer and Plug Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	99-3582	1	Thermoswitch
20	98-7764	1	Switch-Oil



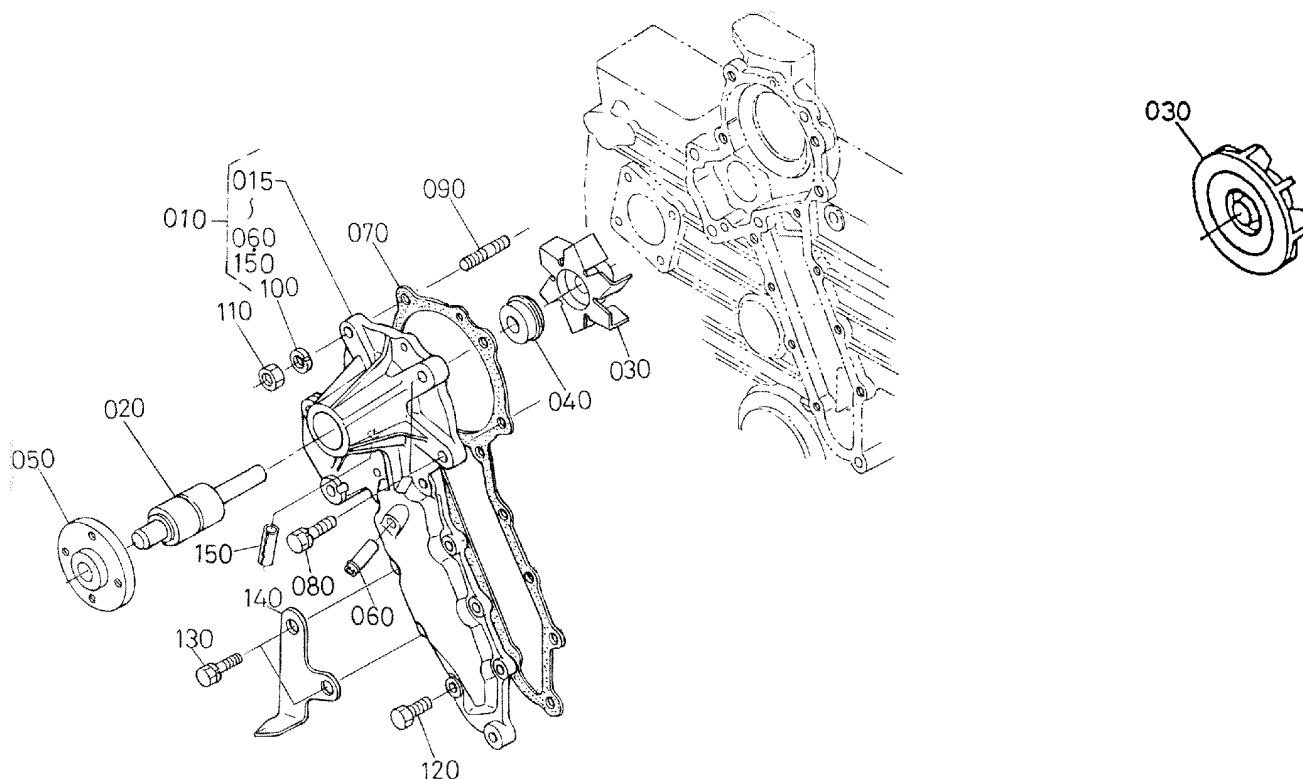
<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
020	107-0144	(1N0001 or newer)
040	105-2875	(1E0001 or newer) (Qty. 2)
045	107-0117	(1E0001 or newer)
080	107-0115	(1U0001 or newer)



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

Water Flange and Thermostat Assembly

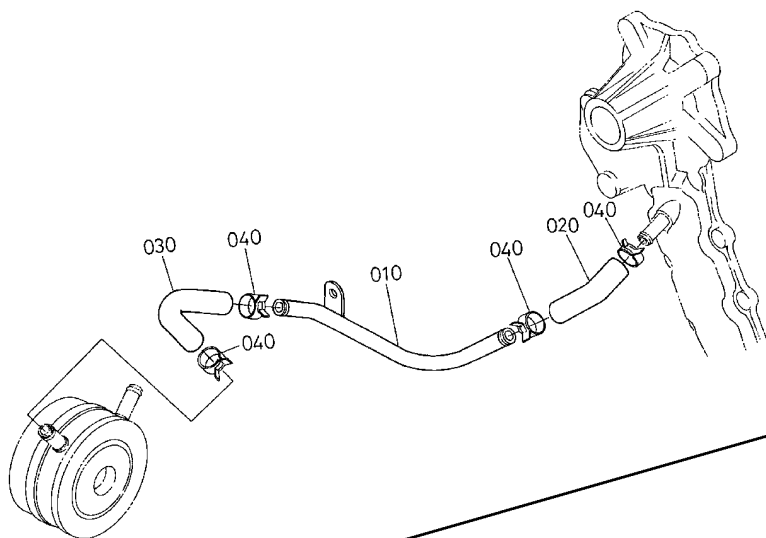
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	105-4578	1	Water Flange ASM
10	107-0143	1	Flange-Water
20	107-0144	1	Flange-Water
30	105-2874	2	Plug
40	105-2875	2	Bolt-Flange
40	105-2875	3	Bolt-Flange
45	107-0117	1	Bolt-Flange
50	105-2876	1	Gasket-Flange, Water
60	100-2562	2	Bolt
70	100-1558	1	Stud
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



<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
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)			

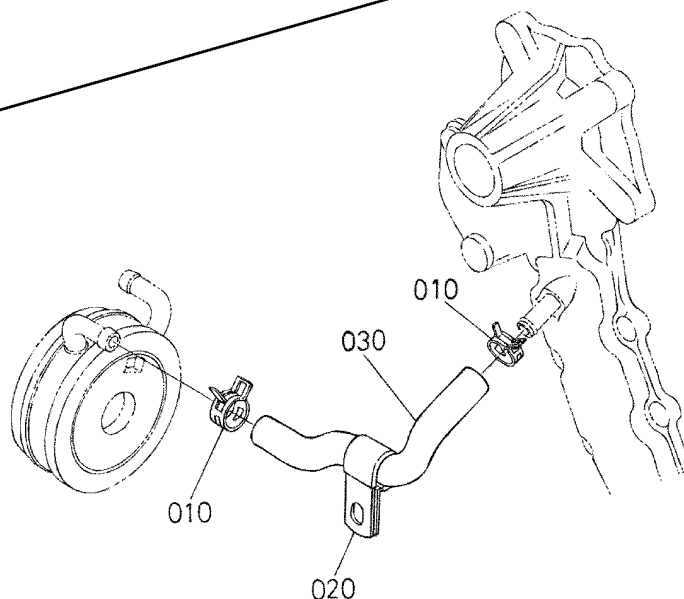
Water Pump Assembly

Ref.	Part Number	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



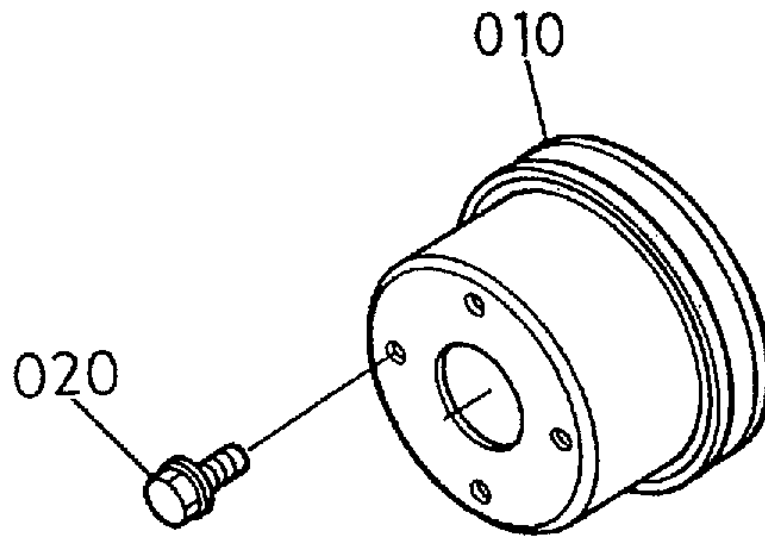
Ref. No.	Part No.	Engine Serial #
010	100-9278	(2Q1204 or earlier)
020	100-9279	(2Q1204 or earlier)
030	100-9280	(2Q1204 or earlier)
040	98-9579	(2Q1204 or earlier) (Qty. 4)

Ref. No.	Part No.	Engine Serial #
010	98-9579	(2S0001 or newer) (Qty. 2)
020	107-0123	(2S0001 or newer)
030	107-0124	(2S0001 or newer)



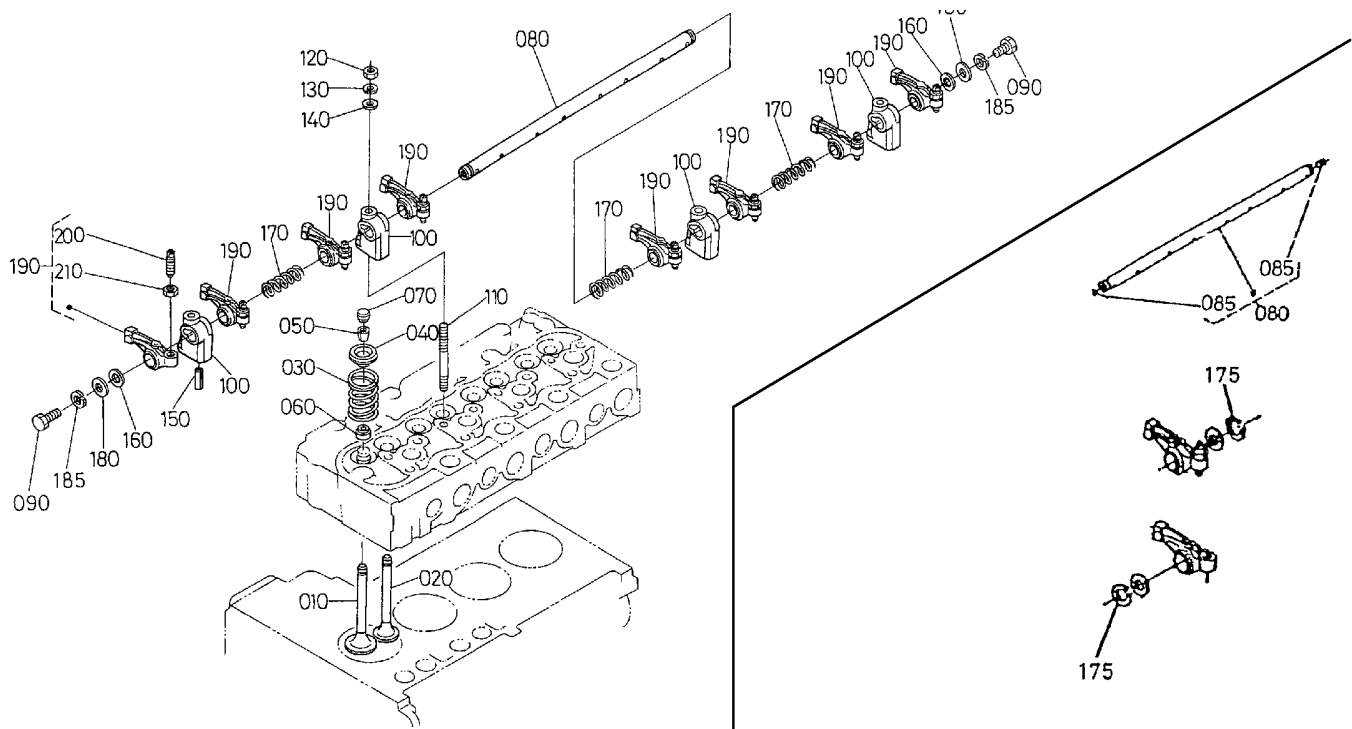
Water Pipe Assembly

Ref.	Part Number	Qty.	Description
10	100-9278	1	Pipe-Water
10	98-9579	2	Band-Pipe
20	100-9279	1	Pipe-Water
20	107-0123	1	Clamp-Cord
30	100-9280	1	Pipe-Cooler, Oil
30	107-0124	1	Pipe-Cooler, Oil
40	98-9579	4	Band-Pipe



Fan Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-7702	1	Pulley-Fan
20	99-8363	4	Bolt-Flange



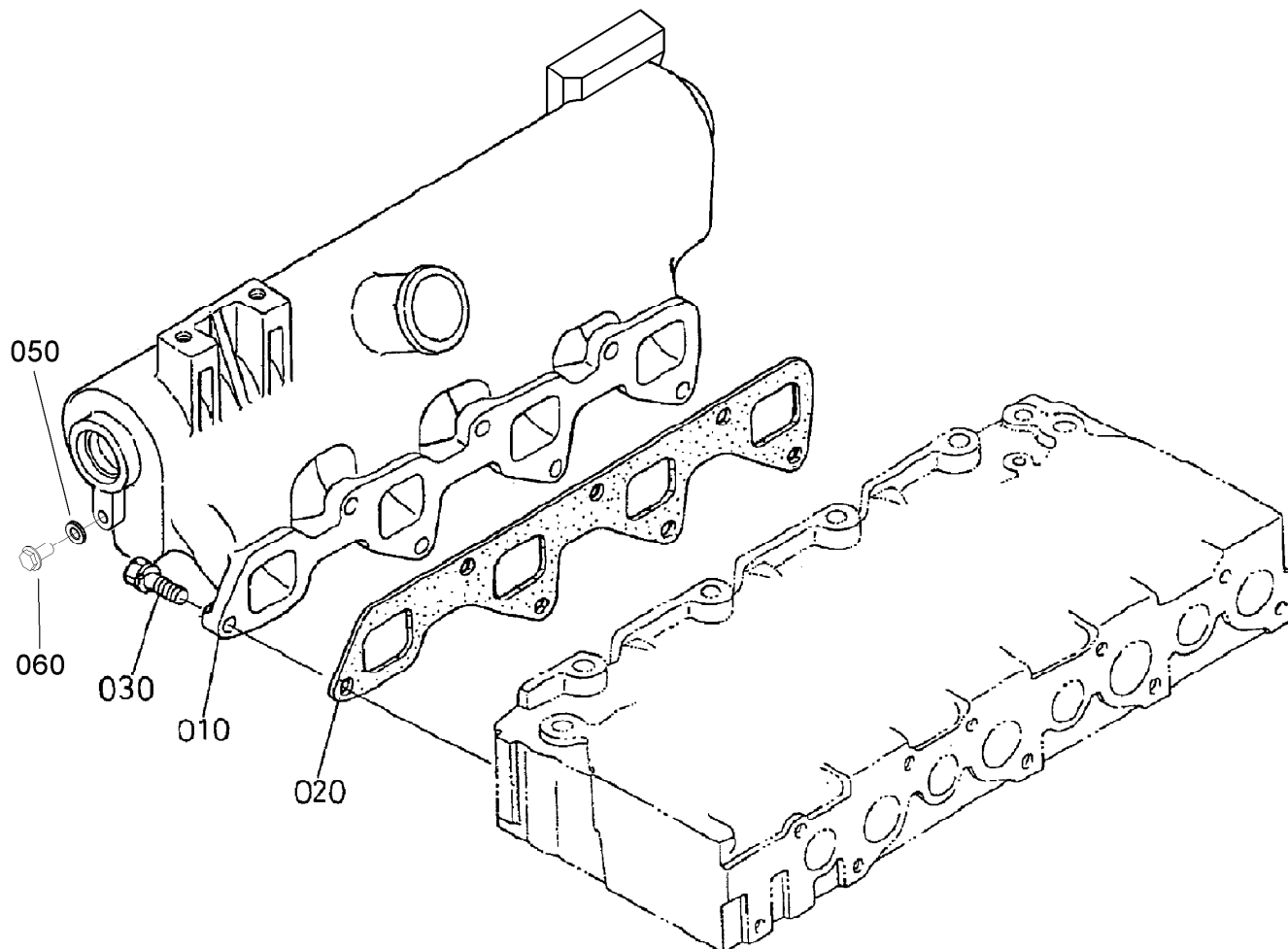
Ref. No.	Part No.	Engine Serial #
080	107-0134	(2A0001 or newer)
090	98-7884	(2A0001 or newer)
180	98-7698	(2A0001 or newer)
185	105-2893	(2A0001 or newer) (Qty. 2)

Ref. No.	Part No.	Engine Serial #
080	98-7798	(1Y1240 or earlier)
085	107-0135	(1Y1240 or earlier)
175	98-7808	(1Y1240 or earlier)

Valve and Rocker Arm Assembly

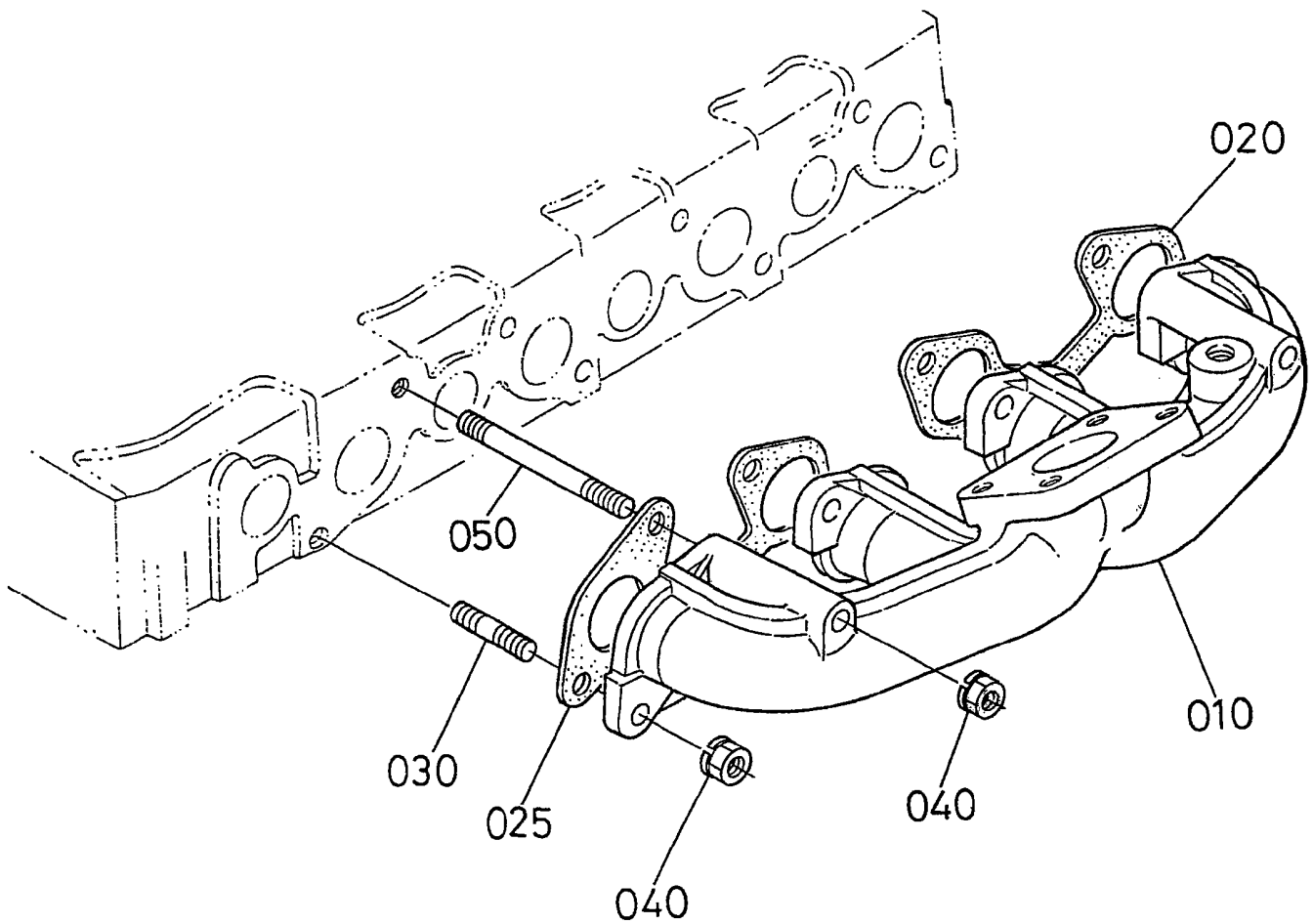
Ref.	Part Number	Qty.	Description
10	98-7791	4	Valve-Inlet
20	100-9281	4	Valve-Exhaust
30	98-7793	8	Spring-Valve
40	98-7794	8	Retainer-Spring, Valve
50	98-7795	8	Collet-Spring, Valve
60	98-7796	8	Seal-Stem, Valve
70	98-7797	8	Cap-Valve
80	107-0134	1	Shaft-Arm, Rocker
80	98-7798	1	Rocker Arm Shaft ASM
85	107-0135	2	Screw-Set
90	98-7884	2	Bolt
100	98-7800	4	Bracket-Arm, Rocker
110	98-7801	4	Stud

Ref.	Part Number	Qty.	Description
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	98-7660	2	Washer-Plain
185	105-2893	2	Washer-Spring
190	98-7809	8	Rocker Arm ASM
200	98-7810	8	Screw-Adjusting
210	98-7811	8	Nut



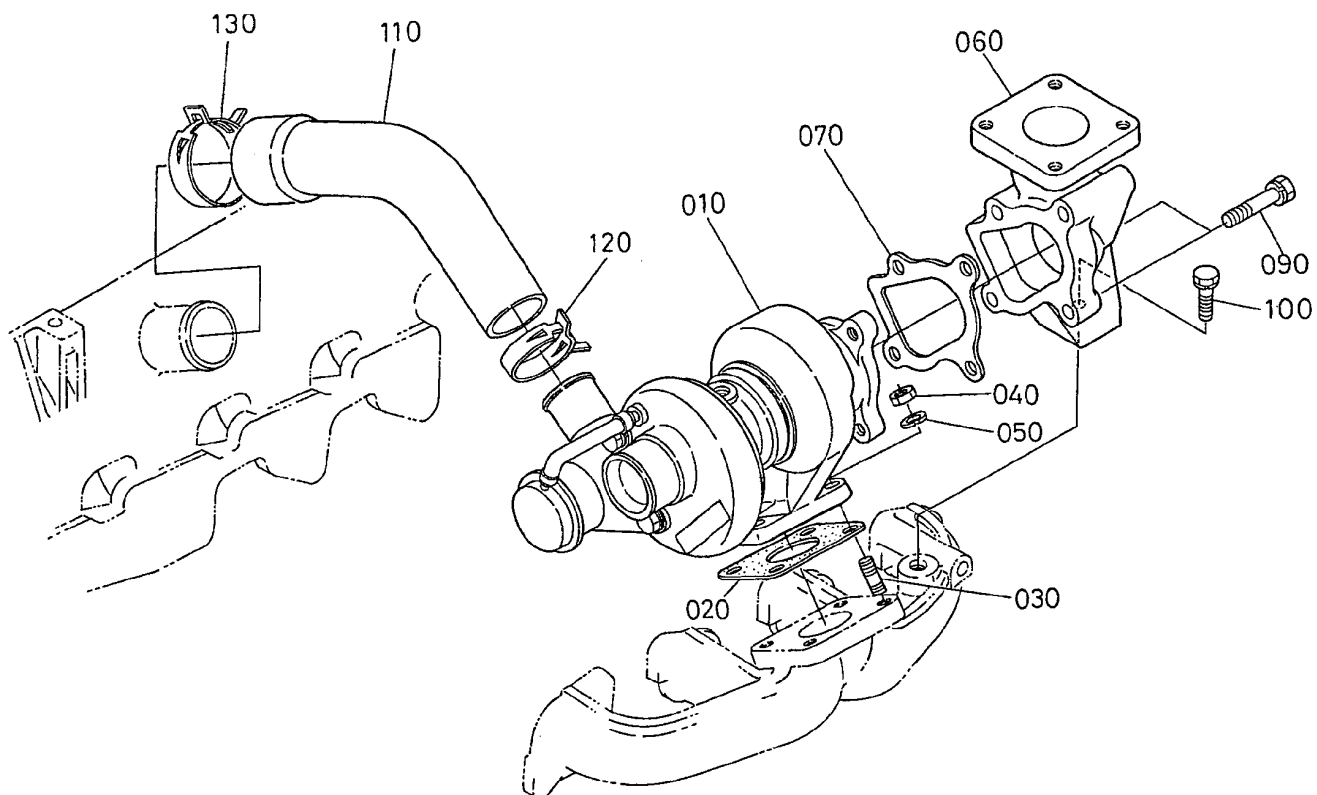
Inlet Manifold Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	100-9283	1	Inlet-Manifold
20	100-9284	1	Gasket-Manifold, Intake
30	98-7610	7	Bolt
50	98-7654	1	Gasket
60	107-4317	1	Bolt-Flange



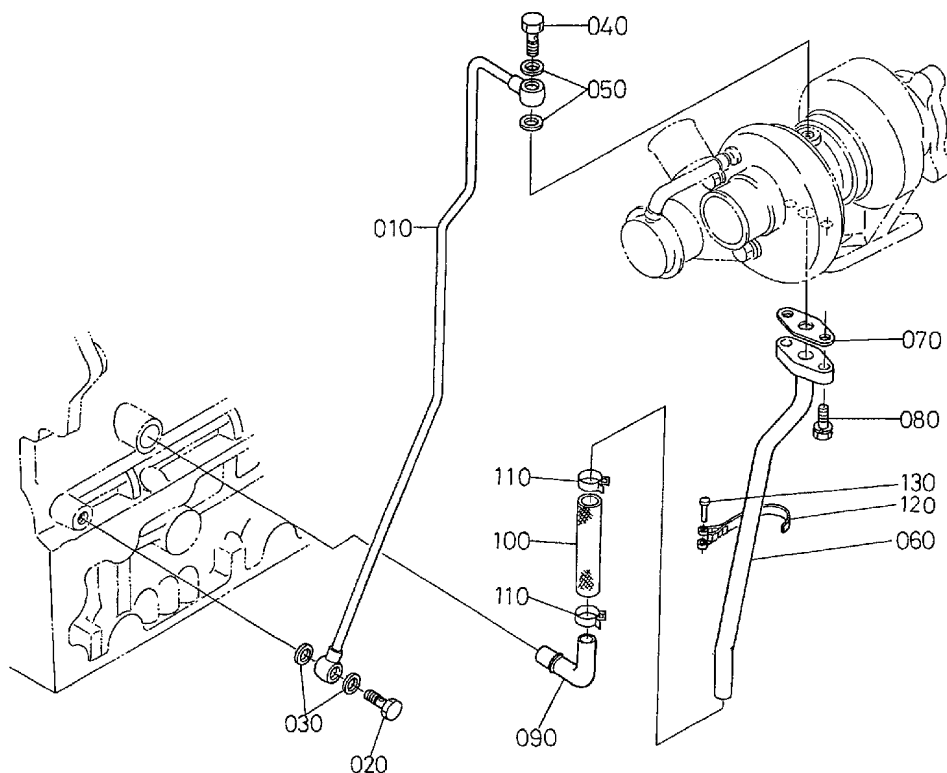
Exhaust Manifold Assembly

Ref.	Part Number	Qty.	Description
10	100-9285	1	Manifold-Exhaust
20	98-7802	1	Gasket
25	98-7803	1	Gasket
30	100-1558	6	Stud
40	100-9288	8	Nut
50	100-9289	2	Stud



Turbo Charger Assembly

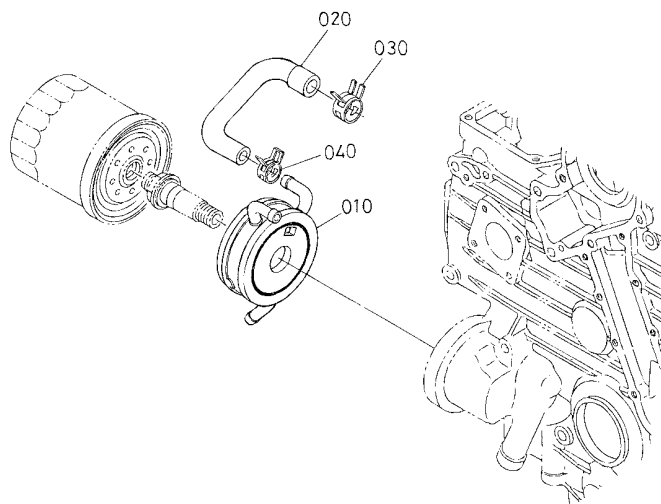
Ref.	Part Number	Qty.	Description
10	100-9313	1	Turbo Charger ASM
20	100-9314	1	Gasket
30	99-8342	4	Stud
40	98-7534	4	Nut
50	105-2893	4	Washer-Spring
60	100-9315	1	Flange-Muffler
70	100-9316	1	Gasket
90	98-7697	4	Bolt
100	100-9230	1	Bolt
110	100-9318	1	Hose-Inlet
120	100-9319	1	Band-Pipe
130	99-8322	1	Band-Pipe



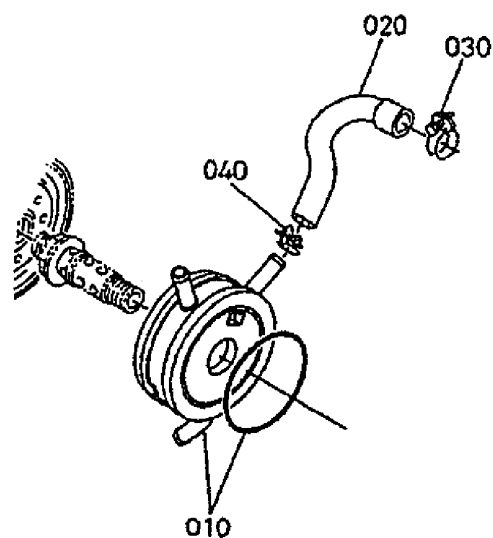
Ref. No.	Part No.	Engine Serial #	Ref. No.	Part No.	Engine Serial #
010	100-9320	(1U1056 or earlier)	010	107-0127	(1W0001 or newer)
060	100-9322	(1U1056 or earlier)	060	107-0128	(1W0001 or newer)
180	98-7568	(1G1576 or earlier)	180	98-7605	(2J0001 or newer)

Oil Pipe (Turbo Charger) Assembly

Ref.	Part Number	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



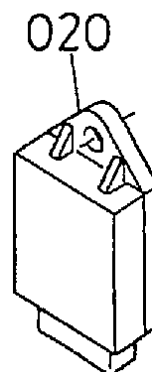
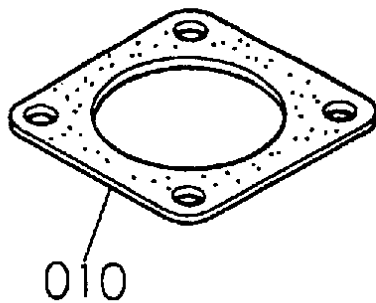
<u>Ref. No.</u>	<u>Part No.</u>	<u>Engine Serial #</u>
010	107-0125	(2S0001 or newer)
020	107-0126	(2S0001 or newer)
030	105-2879	(2S0001 or newer)
040	98-9579	(2S0001 or newer)



<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)

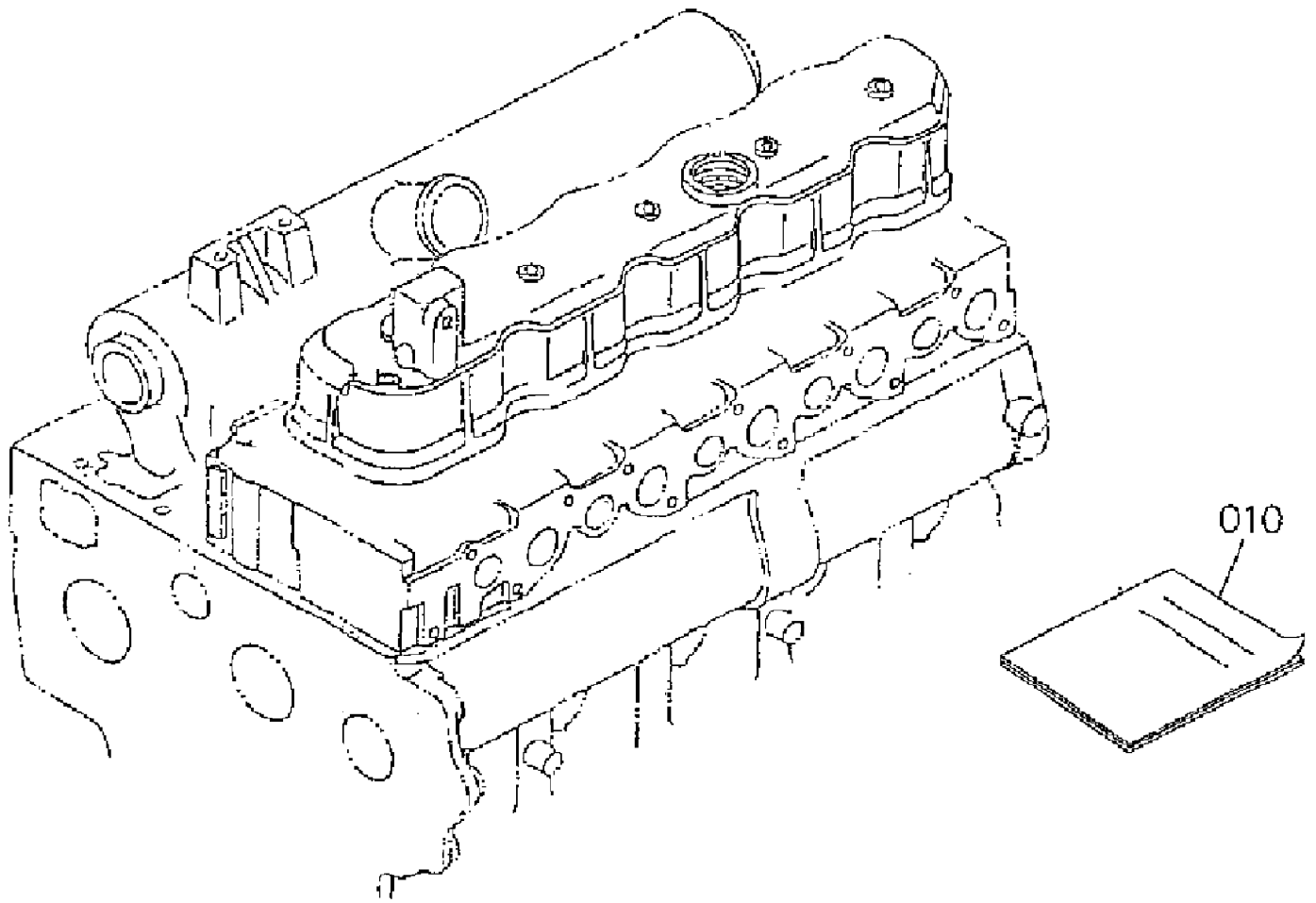
Oil Cooler Assembly

Ref.	Part Number	Qty.	Description
10	100-9325	1	Oil Cooler ASM
10	107-0125	1	Oil Cooler ASM
20	100-9326	1	Hose-Cooler, Oil
20	107-0126	1	Hose-Cooler, Oil
30	98-7774	1	Band-Pipe
30	105-2879	1	Clamp-Hose
40	100-9327	1	Band-Pipe
40	98-9579	1	Band-Pipe



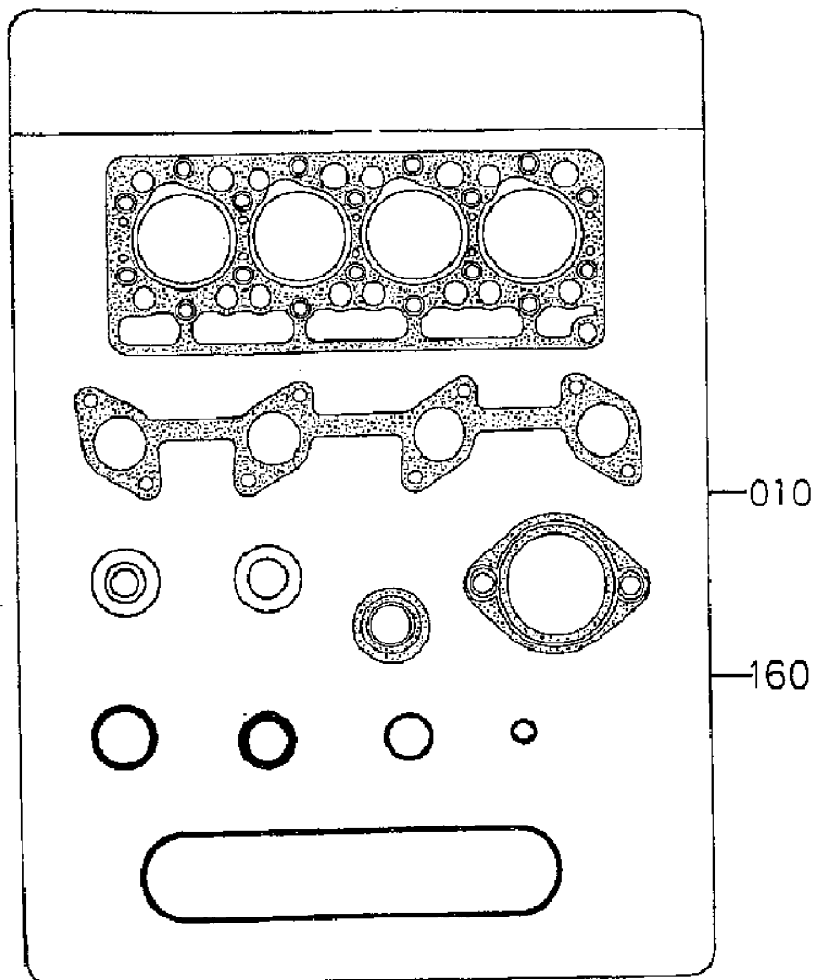
Muffler Gasket and Glow Controller

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	100-9333	1	Gasket-Muffler
20	98-7611	1	Controller-Glow



Engine Operator Manual

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	100-9335	1	Manual-Instruction



Gasket Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	100-9337	1	Upper Gasket Kit
160	98-7888	1	Lower Gasket Kit



Count on it.