Form No. 3358-740 Rev C

TORO®

Count on it.

Parts Catalog

Groundsmaster® 4100-D

Traction Unit

Model No. 30411TE—Serial No. 280000001 and Up

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

CE

3358-740 C

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.

Contents

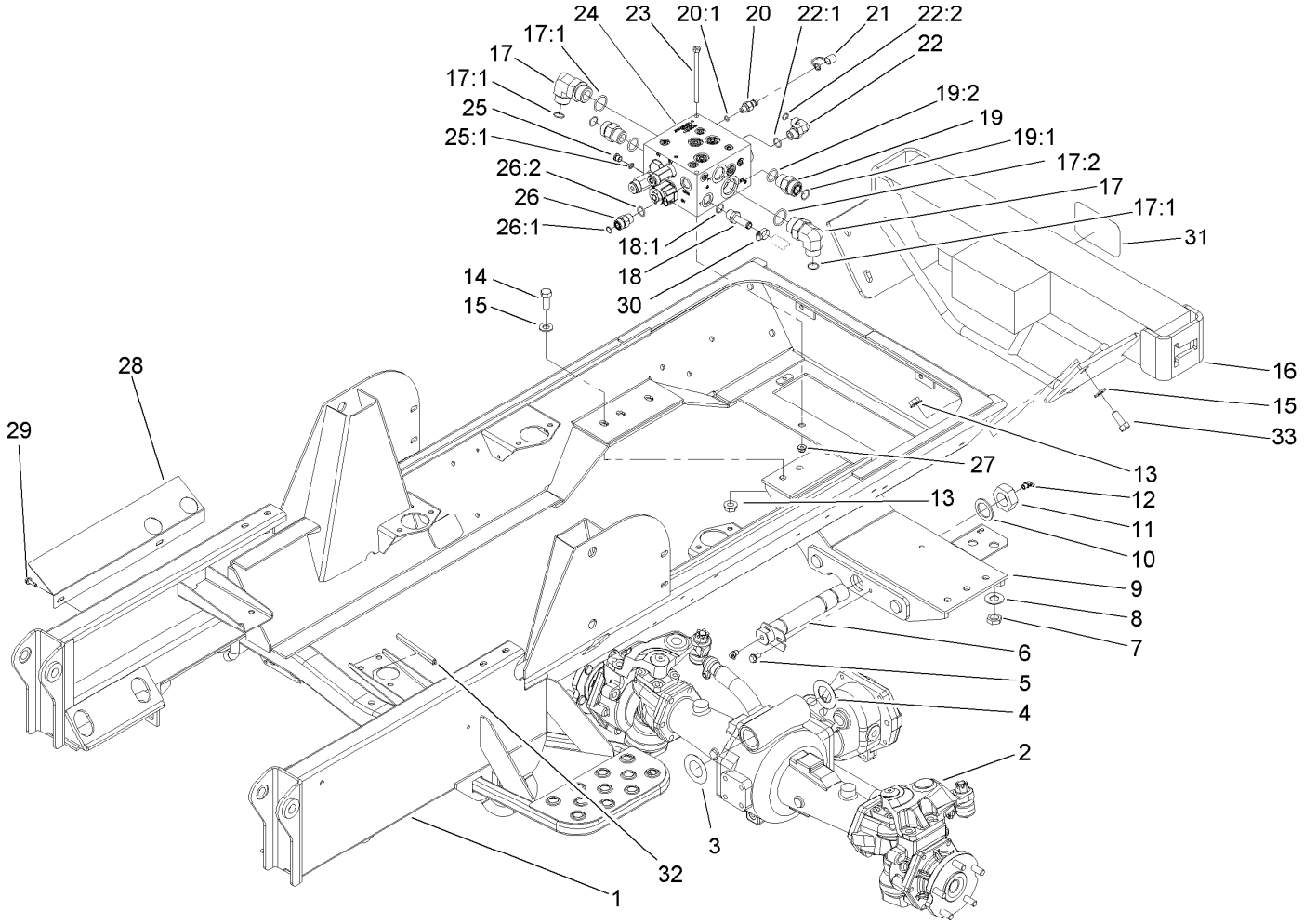
Frame and Bumper Assembly 5
4-Wheel Drive Manifold Assembly No. 112-9123 6
Rear Axle and Tire Assembly 7
Bevel Pinion Shaft Assembly Rear Axle Assembly No. 110-4750 8
Differential Assembly Rear Axle Assembly No. 110-4750 9
Axle Support Assembly Rear Axle Assembly No. 110-4750 10
Bevel Gear Case Assembly Rear Axle Assembly No. 110-4750. 11
Bevel Gear Shaft Assembly Rear Axle Assembly No. 110-4750. 12
Axle Case Assembly Rear Axle Assembly No. 110-4750 13
Axle Assembly Rear Axle Assembly No. 110-4750. 14
Piston Motor Assembly No. 104-0764 15
Steering Cylinder Assembly No. 105-0775 16
Front Frame Assembly 17
Planetary Assembly No. 105-4588-03 19
Brake Assembly No. 100-3069-03 20
Front Piston Motor Assembly No. 105-7376 21
Manifold Assembly No. 110-6080 22
Brake Assembly No. 100-3070-03 23
Manifold Assembly No. 110-6081 24
Manifold Assembly No. 110-6082 25
Platform and Seat Base Assembly 26
Steering Tower Assembly 27
Steering Valve Assembly No. 114-5074 29
Traction Pedal and Linkage Assembly 30
Brake Pedal and Linkage Assembly 31
Control Console and Tool Box Assembly 32
Control Console Assembly 33
Control Valve Assembly No. 69-1780 35
Valve Assembly No. 104-0788. 36
Fuel Tank, Battery and Roll-Over Protection System Assembly 37
Front Deck Lift Arm and Cylinder Assembly. 38
Hydraulic Cylinder Assembly No. 107-0189 40
Gear Motor Assembly No. 99-5489. 41
Hood Assembly. 42
Air Cleaner and Muffler Assembly 43
Air Cleaner Assembly No. 99-5410. 44
Radiator, Oil Cooler and Support Assembly. 45
Engine, Mount and Fuel Line Assembly 47
Fan Drive and Flywheel Assembly. 48
Hydraulic Reservoir and Filter Assembly 49
Filter Manifold Assembly No. 110-0451 50
Pump and Filter Installation Assembly 51
Pump Assembly 52
Gear Pump Assembly No. 108-1549 53
Piston Pump Assembly No. 108-1547 54
Control Assembly No. 108-1503 56
Traction Hydraulic Plumbing Assembly. 57
Power-Take-Off Hydraulic Plumbing Assembly 58
Lift Arm Hydraulic Plumbing Assembly 59
Steering Hydraulic Assembly 60
Center Deck Assembly 61
Low Driven Idler Assembly No. 104-3532 63
Wing Lift Cylinder Assembly No. 107-0190 64
High Driven Spindle Assembly No. 104-3531 65

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Contents (continued)

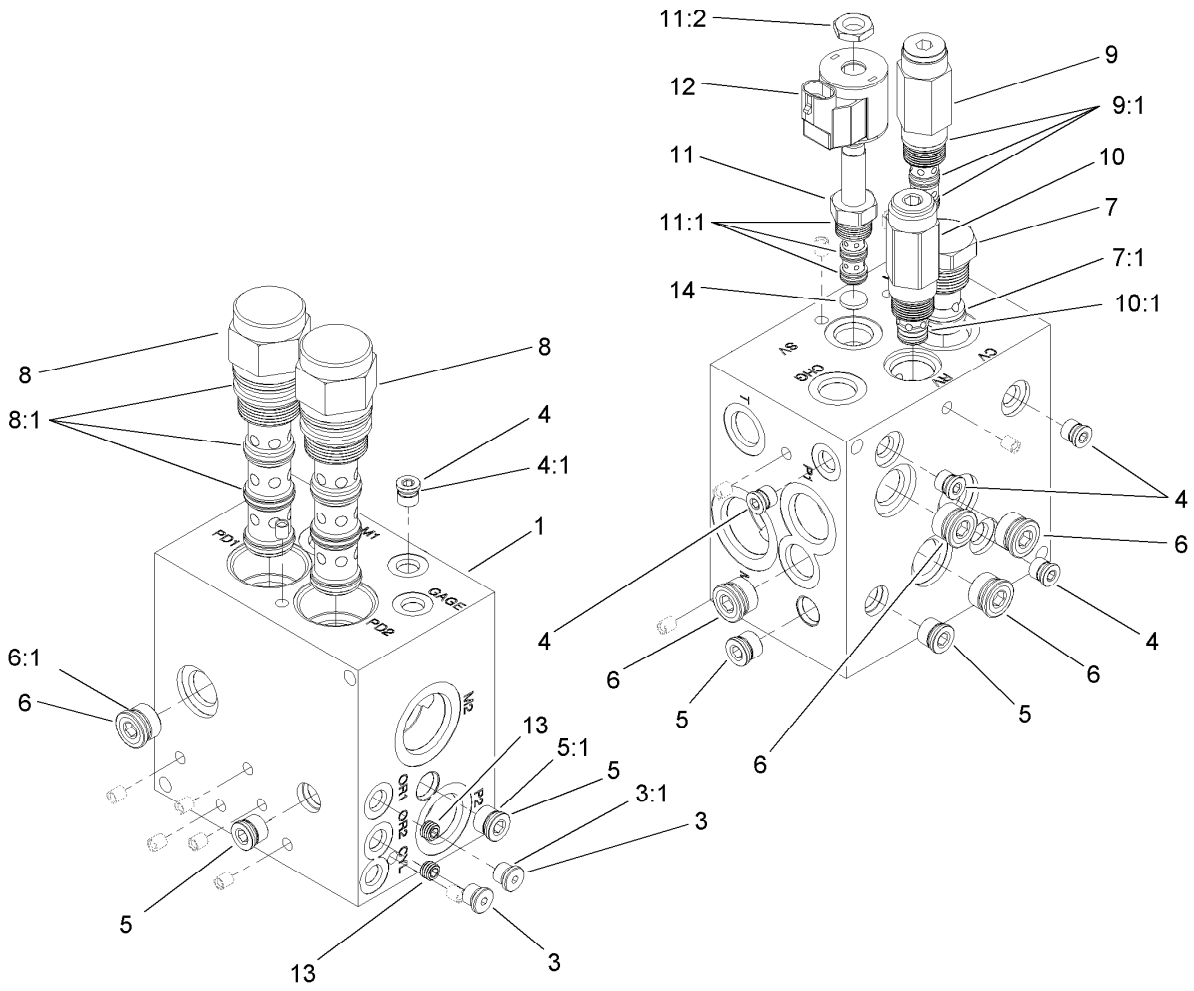
Break Away Link Assembly . . . 66
Castor Fork Assembly . . . 68
Spindle Assembly . . . 69
Deck Cover Assembly . . . 70
Rear Discharge Baffle Assembly . . . 71
Crankcase Assembly . . . 72
Oil Pan Assembly . . . 73
Cylinder Head Assembly . . . 74
Gear Case Assembly . . . 75
Head Cover Assembly . . . 76
Oil Filter Assembly . . . 77
Dipstick and Guide Assembly . . . 78
Oil Pump Assembly . . . 79
Main Bearing Case . . . 80
Camshaft and Idler Gear Shaft Assembly . . . 81
Piston and Crankshaft Assembly . . . 82
Flywheel Assembly . . . 83
Fuel Camshaft and Governor Shaft Assembly . . . 84
Engine Stop Lever Assembly . . . 85
Injection Pump Assembly . . . 86
Injection Pump (Component Part) Assembly . . . 87
Governor Assembly . . . 88
Speed Control Plate Assembly . . . 89
Nozzle Holder and Glow Plug Assembly . . . 90
Alternator and Pulley Assembly . . . 91
Alternator (Component Part) Assembly . . . 92
Starter Assembly . . . 93
Starter (Component Part) Assembly . . . 94
Oil Switch / Thermometer and Plug Assembly . . . 95
Water Flange and Thermostat Assembly . . . 96
Water Pump Assembly . . . 97
Water Pipe Assembly . . . 98
Fan Assembly . . . 99
Valve and Rocker Arm Assembly . . . 100
Inlet Manifold Assembly . . . 101
Exhaust Manifold Assembly . . . 102
Turbo Charger Assembly . . . 103
Oil Pipe (Turbo Charger) Assembly . . . 104
Oil Cooler Assembly . . . 105
Muffler Gasket and Glow Controller . . . 106
Engine Operators Manual . . . 107
Gasket Kit . . . 108
Attachments and Accessories . . . 109



Frame and Bumper Assembly

Ref.	Part Number	Qty.	Description
1	105-7310-03	1	Frame ASM
2	110-4750	1	Drive Axle ASM
3	99-8431	2	Washer-Thrust
4	99-8432	2	Washer-Thrust
5	32144-14	1	Screw-HWHTF
6	98-7077	1	Pin-Axle, Rear
7	340-70	2	Nut-Lock
8	69-8940	2	Washer
9	107-0230-03	1	Mount-Rear
10	92-1765	1	Washer-Thrust
11	3296-68	1	Nut-Lock, NI
12	302-33	2	Fitting-Grease
13	32128-23	10	Nut-HF
14	325-6	6	Screw-HH
15	3256-26	10	Washer-Flat
16	106-4278-03	1	Bumper
17	340-15	2	Fitting-Elbow 90
17:1	237-58	1	O-Ring
17:2	237-146	1	O-Ring
18	354-121	1	Fitting-STR
18:1	237-79	1	O-Ring
19	340-9	2	Fitting-STR
19:1	237-58	1	O-Ring

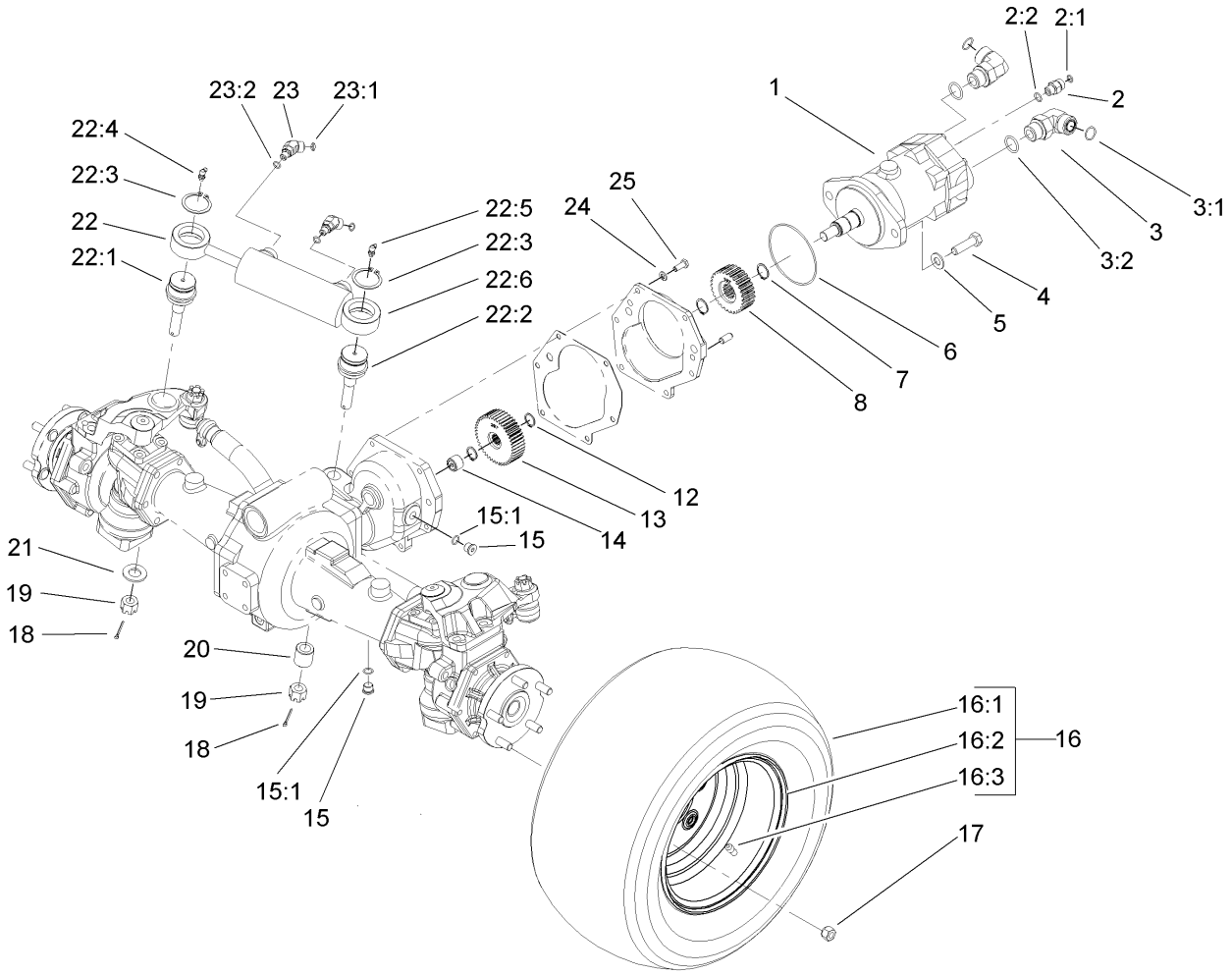
Ref.	Part Number	Qty.	Description
19:2	237-81	1	O-Ring
20	354-77	1	Fitting-Quick
20:1	237-78	1	O-Ring
21	354-79	1	Cap-Dust
22	340-98	1	Fitting-Elbow, 90 DEG
22:1	237-79	1	O-Ring
22:2	237-30	1	O-Ring
23	322-29	2	Screw-HH
24	112-9123	1	4-Wheel Drive Manifold ASM
25	353-990	1	Plug ASM
25:1	237-78	1	O-Ring
26	340-4	1	Fitting-Straight
26:1	237-30	1	O-Ring
26:2	237-79	1	O-Ring
27	104-8300	2	Nut-HF, NI
28	104-3562-03	1	Shield-Splash
29	32104-95	2	Screw-HWH
30	2412-36	1	Clamp-Hose
31	67-1300	1	Decal
32	108-8079	1	Trim
33	325-5	4	Screw-HH



4-Wheel Drive Manifold Assembly No. 112-9123

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Block-Manifold ●
3	353-990	2	Plug ASM
3:1	237-78	1	O-Ring
4	106-1025	5	Plug-HYD
4:1	237-78	1	O-Ring
5	106-1026	4	Plug-HYD
5:1	237-42	1	O-Ring
6	106-1027	5	Plug-HYD
6:1	237-79	1	O-Ring
7	110-0468	1	Valve-Check, 5 PSI
7:1	110-0470	1	Seal Kit
8	110-0491	2	Valve-Directional
8:1	106-6775	1	Seal Kit
9	110-0499	1	Valve-Reducing, Pressure
9:1	105-9154	1	Seal Kit
10	110-0493	1	Valve-Relief ●●●●
10:1	110-6316	1	Seal Kit
11	110-0494	1	Valve-Solenoid
11:1	110-8773	1	Seal Kit
11:2	110-2634	1	Nut-Coil
12	110-0497	1	Coil-Solenoid
13	110-0495	2	Plug-Orifice (0.050 Inch)
14	110-0498	1	Orifice (.030)

● Not serviced separately

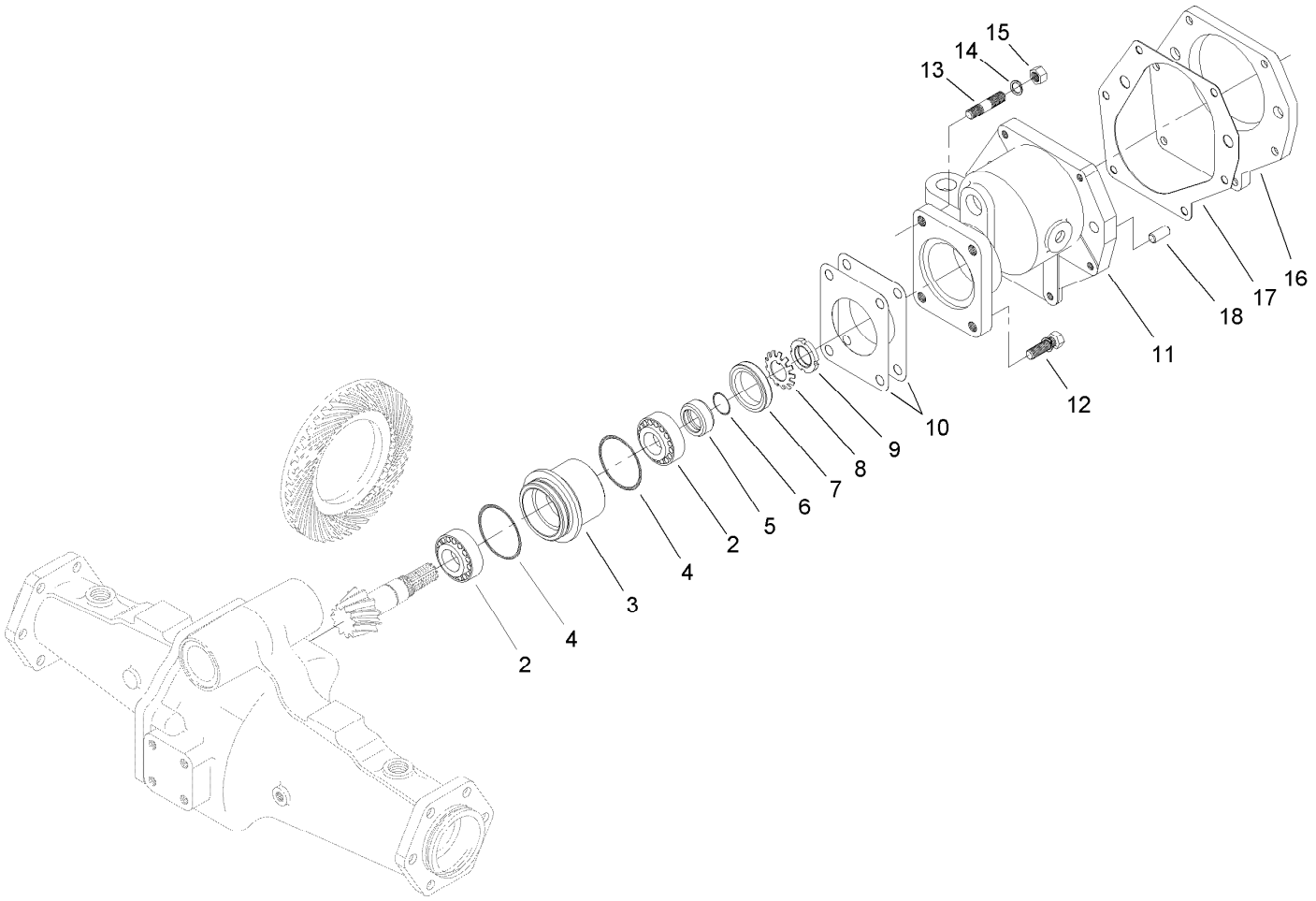


Rear Axle and Tire Assembly

Ref.	Part Number	Qty.	Description
1	104-0764	1	Piston Motor ASM
2	340-2	1	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	340-142	2	Fitting-Elbow-90
3:1	237-58	1	O-Ring
3:2	237-81	1	O-Ring
4	325-7	2	Screw-HH
5	3256-26	2	Washer-Flat
6	237-166	1	O-Ring
7	32120-76	2	Ring-Snap, EXT
8	105-7447	1	Pinion-33T
12	32120-15	2	Ring-Snap, EXT
13	105-7446	1	Gear-39T
14	74-5700	1	Bearing-Needle, Roller
15	353-989	2	Plug-Hex, Hollow
15:1	237-42	1	O-Ring
16		2	Wheel And Tire ASM ●
16:1	94-5236	1	Tire

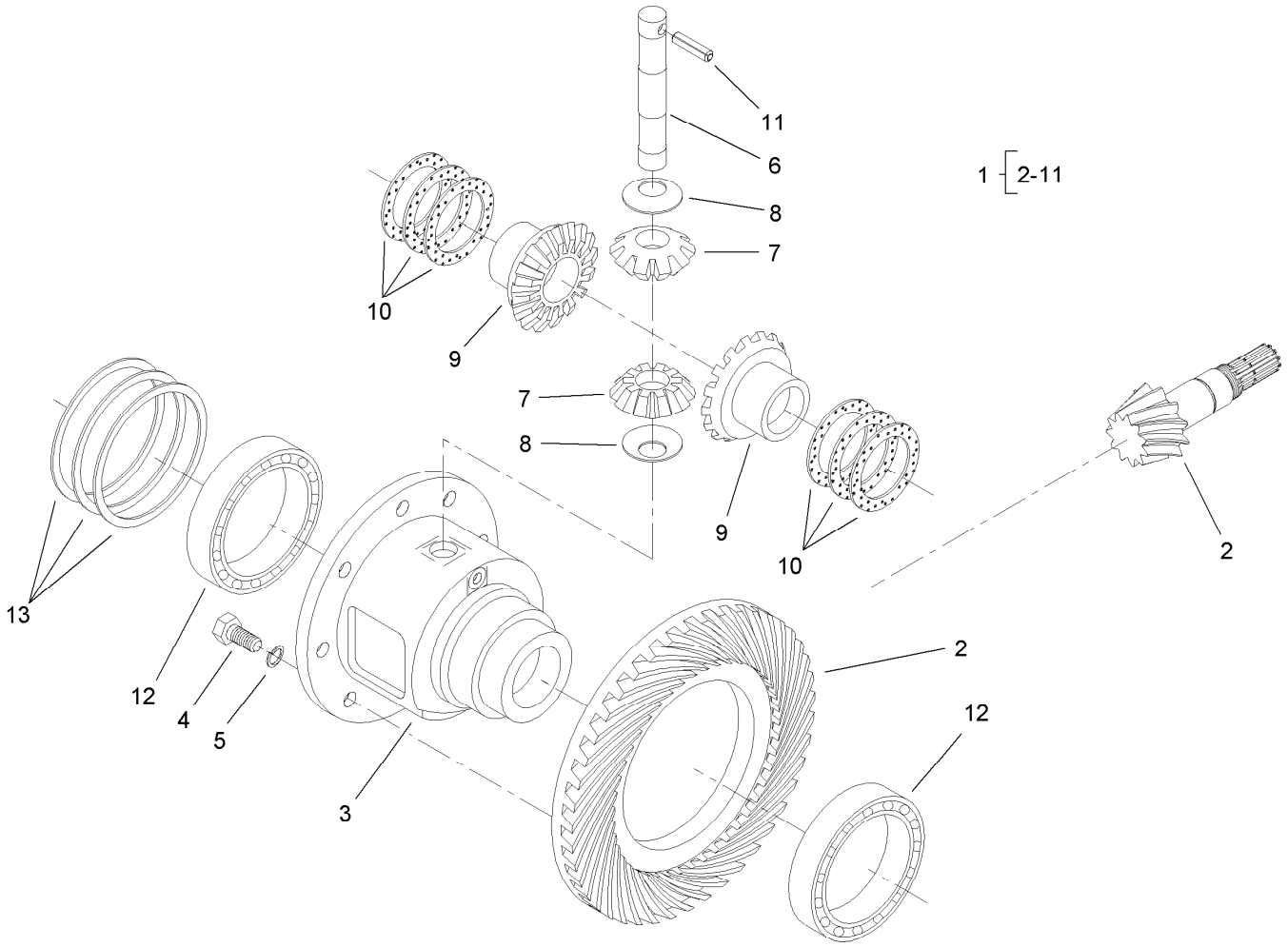
Ref.	Part Number	Qty.	Description
16:2	100-2582	1	Rim
16:3	232-27	1	Stem-Valve
17	93-5268	10	Nut-Lug
18	3272-12	2	Pin-Cotter
19	32136-14	2	Nut-Hst
20	100-3796	1	Spacer-Joint, Ball
21	92-5836	1	Washer
22	105-0775	1	Steering Cylinder ASM
22:1	106-6774	1	Joint-Ball
22:2	100-3795	1	Joint-Ball
22:3	32151-104	2	Ring-Retaining, External
22:4	302-5	1	Fitting-Grease
22:5	302-60	1	Fitting-Grease
22:6		1	Cylinder-Steering ●
23	340-54	2	Elbow-45 DEG
23:1	237-22	1	O-Ring
23:2	237-78	1	O-Ring
24	3253-4	6	Washer-Lock
25	33114-020	6	Screw-HH

● Not serviced separately



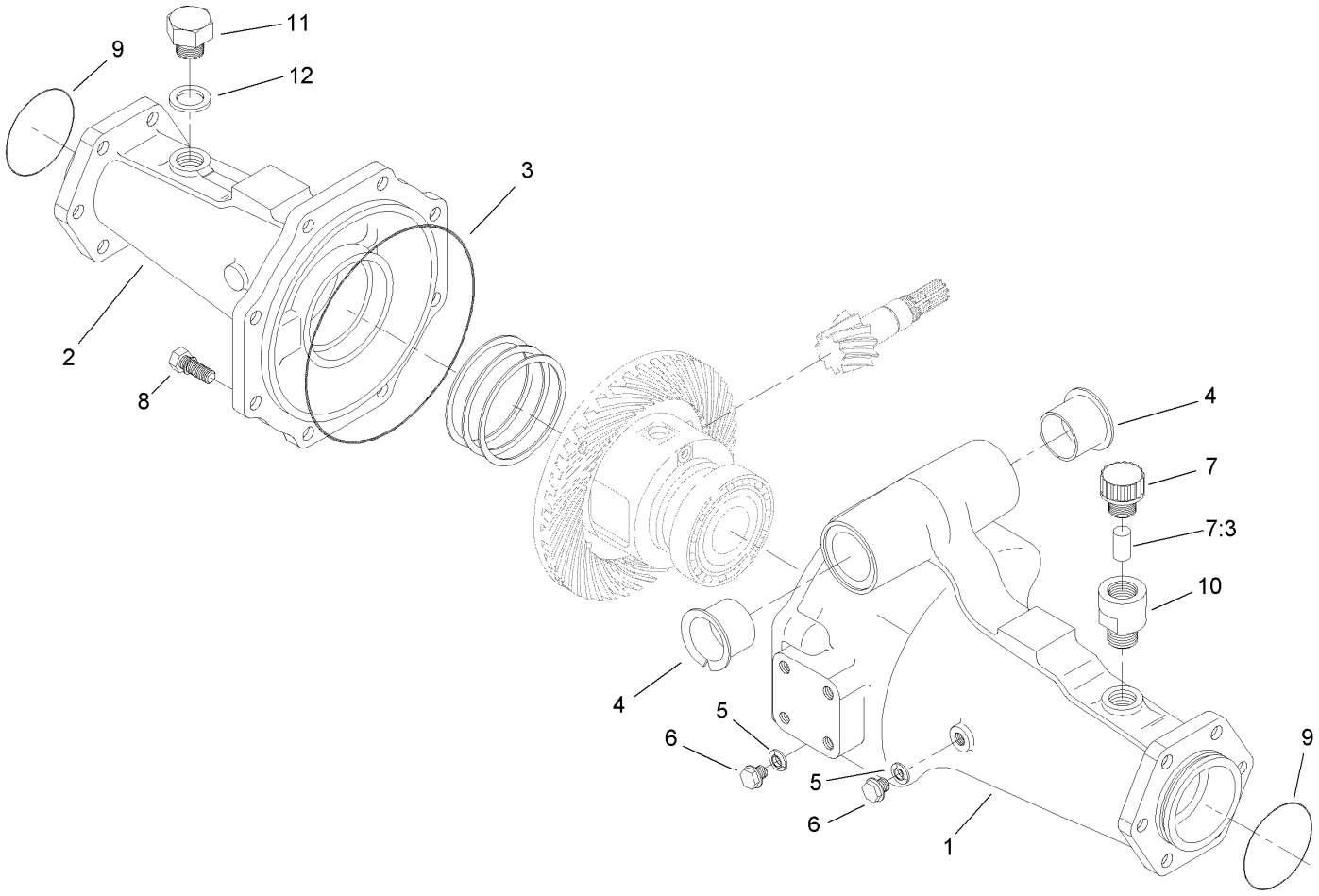
Bevel Pinion Shaft Assembly
Rear Axle Assembly No. 110-4750

Ref.	*Part Number*	*Qty.*	*Description*
2	99-7570	2	Bearing-Roller, Taper
3	95-7534	1	Case-Bearing
4	106-1065	2	O-Ring
5	99-7572	1	Collar-Seal, Oil
6	106-1066	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	106-1140	1	Gasket
18	104-2353	2	Pin-Dowel



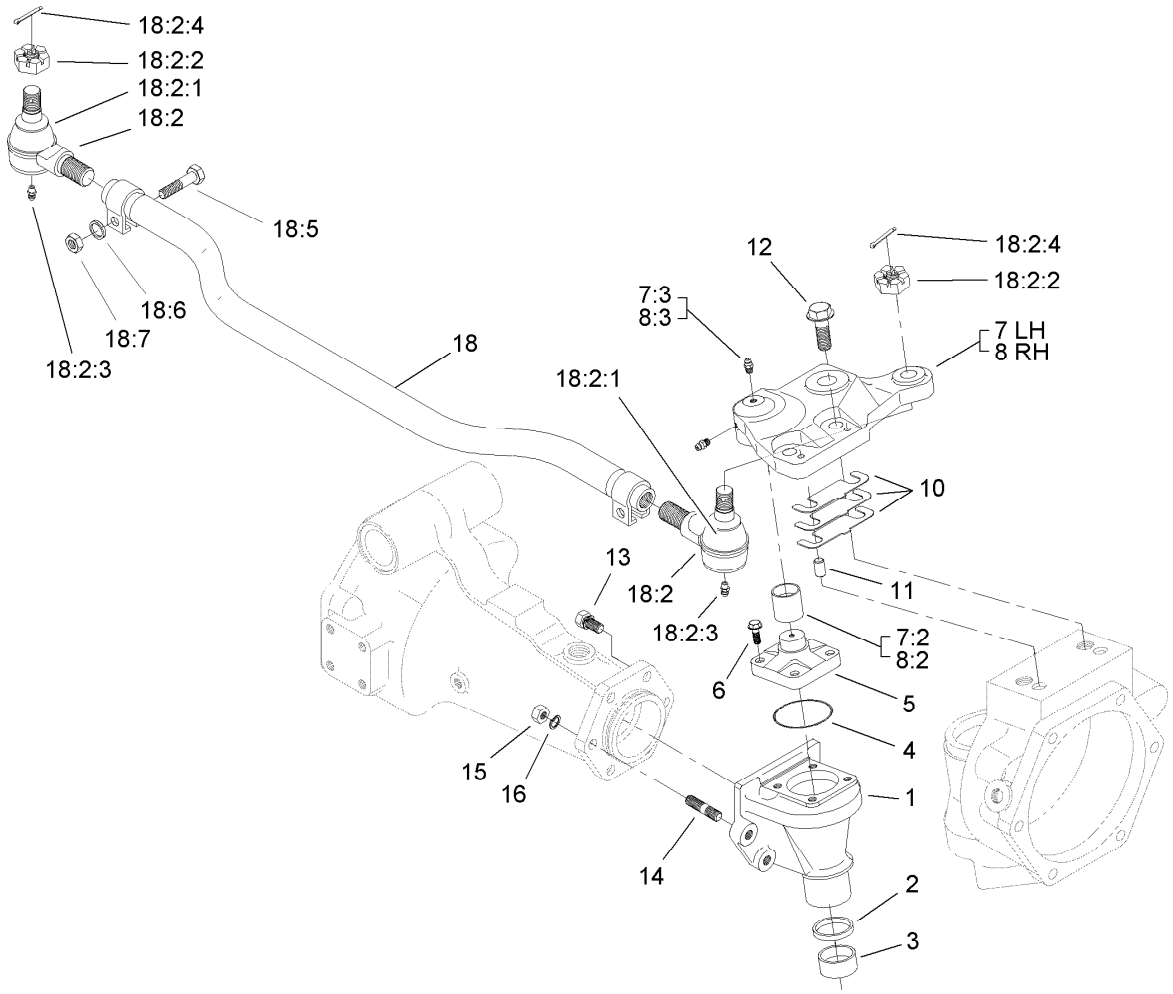
Differential Assembly
Rear Axle Assembly No. 110-4750

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	3253-4	8	Washer-Lock
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. 110-4750

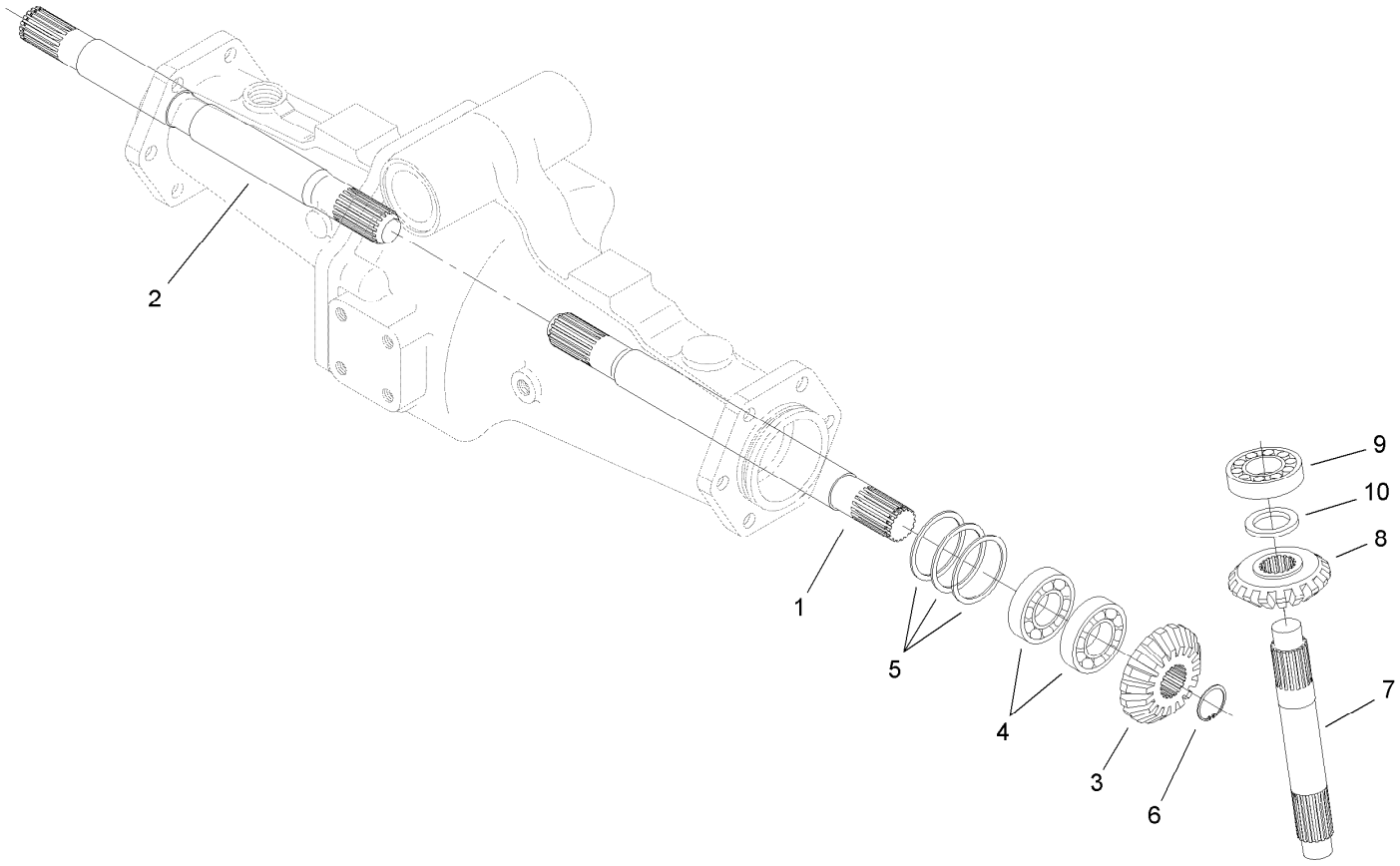
Ref.	*Part Number*	*Qty.*	*Description*
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	106-1067	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7590	2	Washer-Seal
6	99-7589	2	Plug
7	110-4812	1	Axle Vent ASM
7:3	110-4815	1	Insert-Filter, Foam
8	99-7592	8	Bolt
9	106-1068	2	O-Ring
10	104-2377	1	Extension-Vent
11	104-8643	1	Plug
12	104-8644	1	O-Ring



Bevel Gear Case Assembly
Rear Axle Assembly No. 110-4750

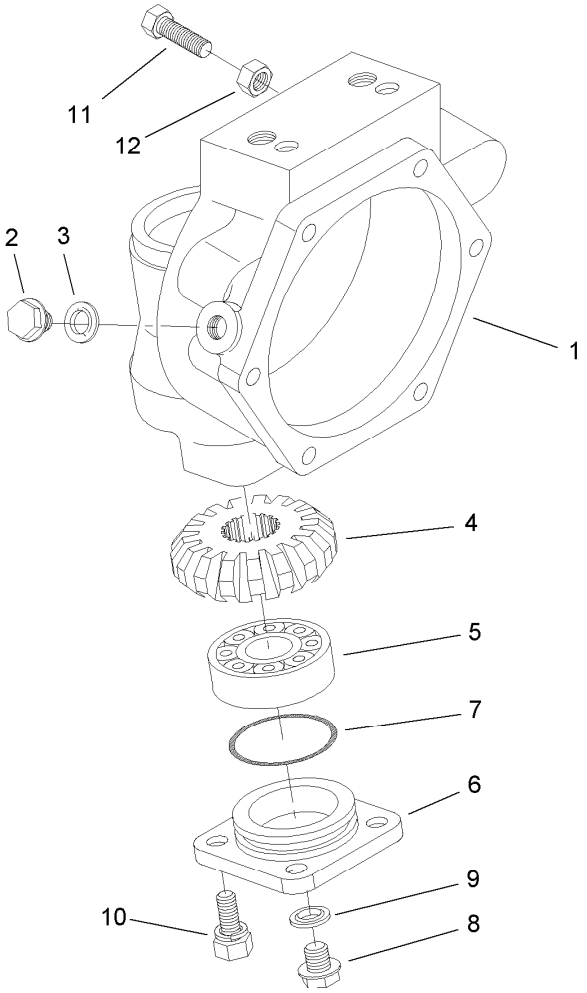
Ref.	*Part Number*	*Qty.*	*Description*
1	110-4752	2	Case-Gear, Bevel
2	110-4754	2	Seal-Oil
3	104-2378	2	Bushing
4	106-1069	2	O-Ring
5	104-2373	2	Knuckle
6	104-2374	8	Bolt
7	100-3768	1	LH Steering Arm ASM
7:2	104-8634	1	Bushing
7:3	106-1104	2	Fitting-Grease
8	100-3766	1	RH Steering Arm ASM
8:2	104-8634	1	Bushing
8:3	106-1104	2	Fitting-Grease
10	95-7547	2	Shim 0.1
10	95-7548	2	Shim 0.2
10	95-7549	2	Shim 0.3
11	99-7597	4	Pin-Dowel

Ref.	*Part Number*	*Qty.*	*Description*
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	106-1141	1	Steering Tie Rod ASM
18:2	106-1113	2	Tie Rod End ASM - RH Thread
18:2:1	100-3853	1	Cover-Dust
18:2:2	100-3854	1	Nut-Castle
18:2:3	110-4755	1	Fitting-Grease
18:2:4	3272-11	1	Pin-Cotter
18:5	100-3855	2	Bolt
18:6	99-7527	2	Washer-Spring
18:7	99-7526	2	Nut



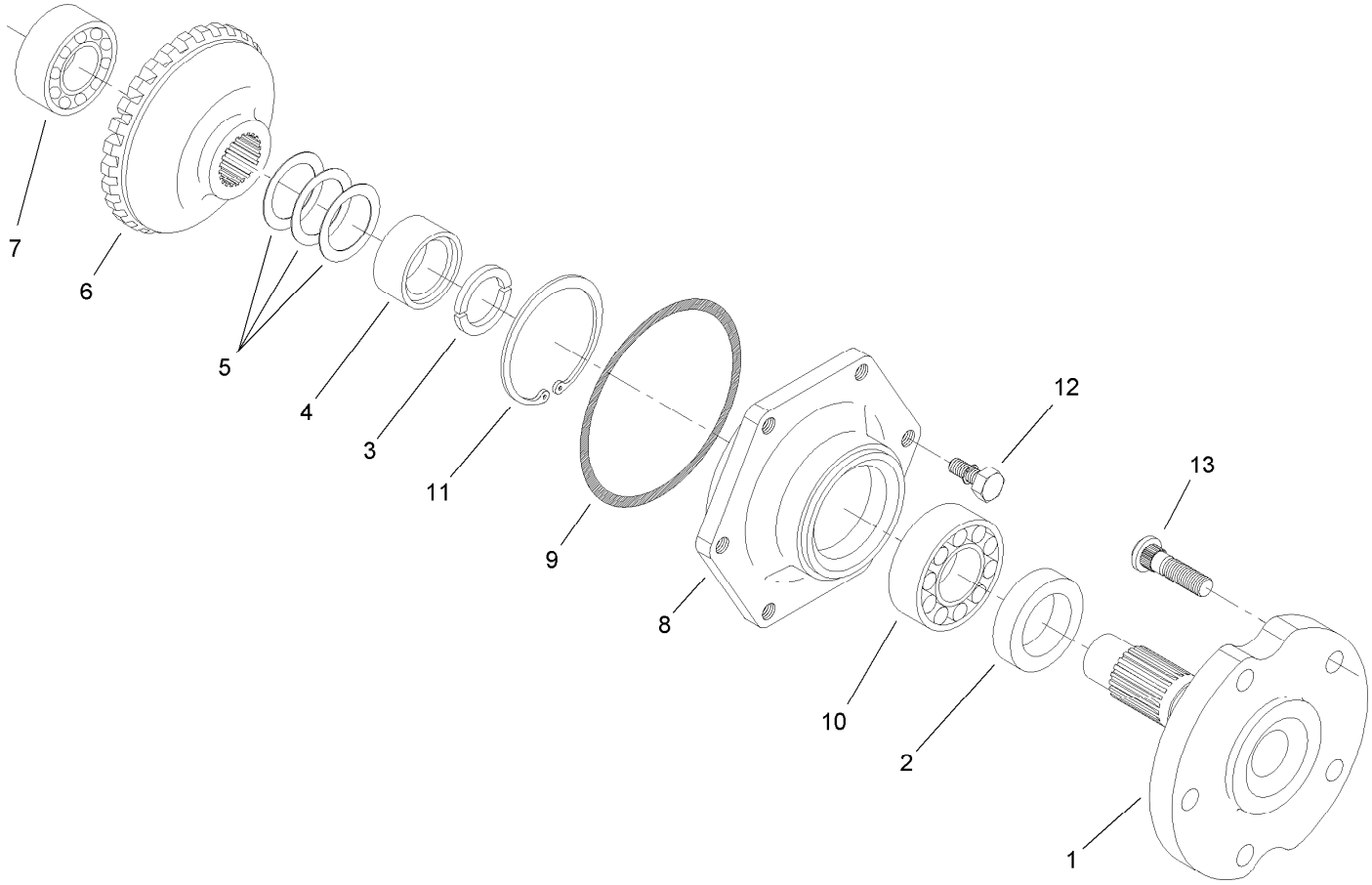
Bevel Gear Shaft Assembly
Rear Axle Assembly No. 110-4750

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	110-4753	2	Shaft-Gear, Bevel
8	95-7519	2	Gear-Bevel, 17 Tooth
9	99-7532	2	Bearing-Roller, Taper
10	99-7558	2	Collar



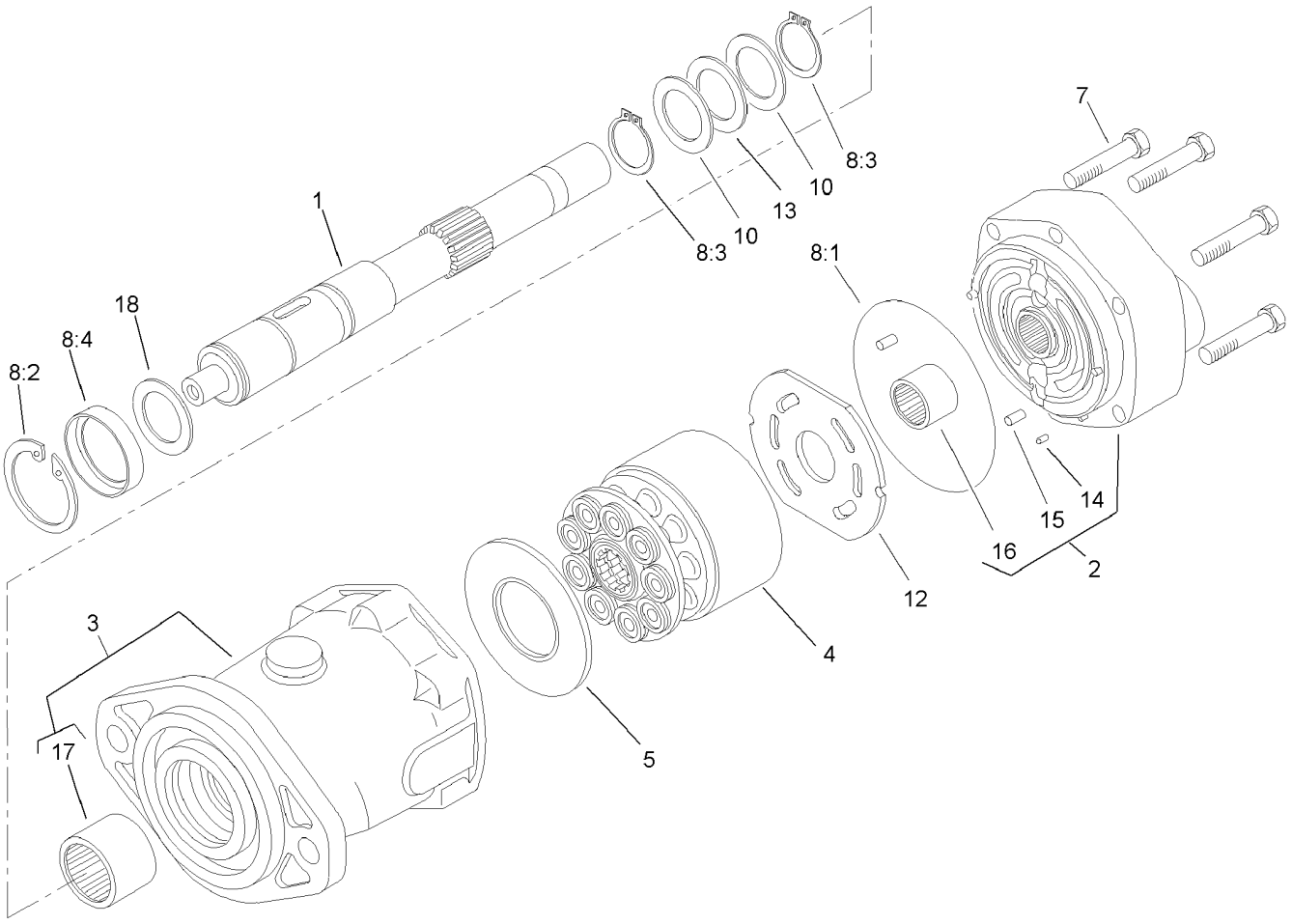
Axle Case Assembly
Rear Axle Assembly No. 110-4750

Ref.	*Part Number*	*Qty.*	*Description*
1	110-4751	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	106-1070	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. 110-4750

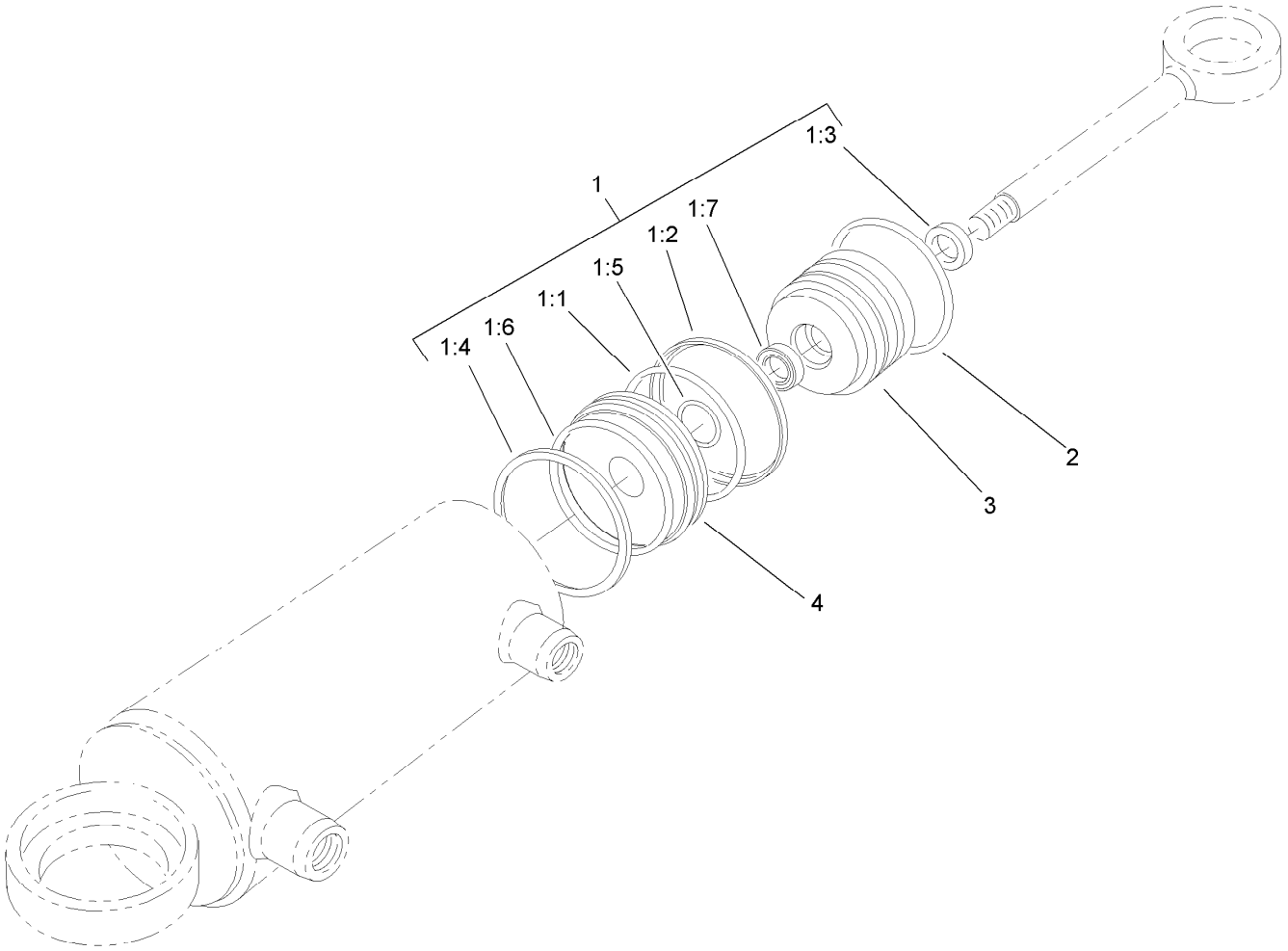
Ref.	*Part Number*	*Qty.*	*Description*
1	95-7522	2	Axle
2	99-7564	2	Seal-Oil
3	95-7544	4	Clip
4	95-7523	2	Spacer
5	99-7555	2	Shim 0.3
5	99-7556	2	Shim 0.2
5	99-7557	2	Shim 0.5
6	95-7524	2	Gear-Bevel, 29 Tooth
7	99-7534	2	Bearing-Ball
8	95-7521	2	Cover-Axle
9	106-1071	2	O-Ring
10	99-7561	2	Bearing-Ball
11	99-7539	2	Clip
12	99-7596	12	Bolt
13	99-7563	10	Stud



Piston Motor Assembly No. 104-0764

Ref.	*Part Number*	*Qty.*	*Description*
1	105-2853	1	Shaft-Drive
2	105-2854	1	Backplate ASM
3	105-2855	1	Housing ASM
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
7	94-3002	6	Screw-Cap
8	106-6876	1	Seal Kit
8:1		1	Seal-Dust ●
8:2	76-7010	1	Ring-Retaining
8:3	76-7000	2	Ring-Retaining
8:4		1	Seal-Shaft ●
10	76-6950	2	Race-Thrust
12	94-3003	1	Plate-Valve
13	76-6960	1	Bearing-Thrust
14		3	Pin-Dowel ●
15		1	Pin-Dowel ●
16		1	Bearing-Needle ●
17		1	Bearing-Needle ●
18	60-6240	1	Washer

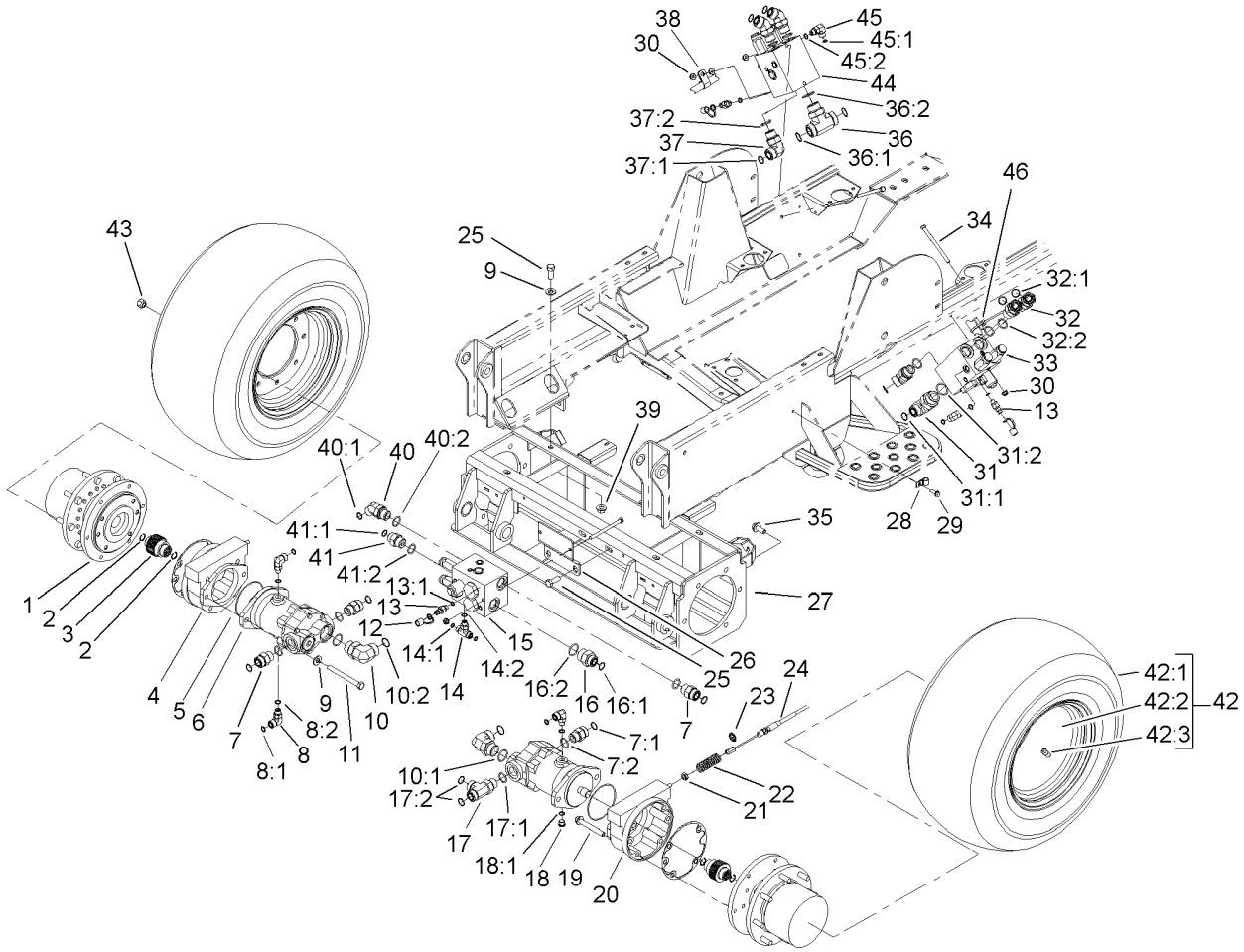
● Not serviced separately



Steering Cylinder Assembly No. 105-0775

Ref.	*Part Number*	*Qty.*	*Description*
1	107-0245	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Back-Up ●
1:3		1	Wiper ●
1:4		1	Seal ●
1:5		1	O-Ring ●
1:6		1	O-Ring ●
1:7		1	Seal ●
2		1	Ring-Retaining ●
3		1	Head ●
4		1	Piston ●

● Not serviced separately

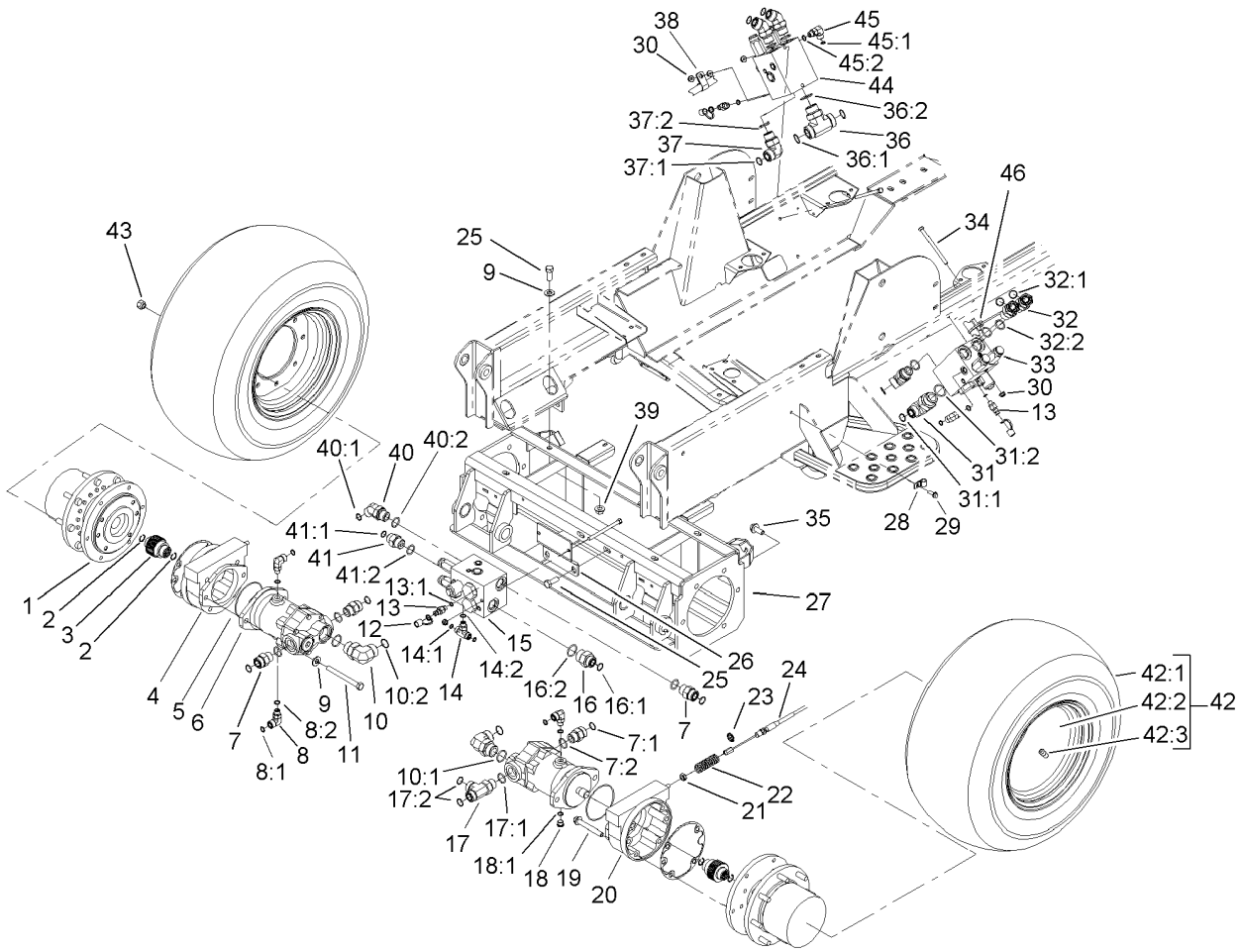


Front Frame Assembly

Ref.	Part Number	Qty.	Description
1	105-4588-03	2	Planetary ASM
2	93-7972	4	Ring-Retaining, Internal
3	100-3046	2	Shaft-Brake, Splined
4	100-3069-03	1	Brake ASM
5	237-166	2	O-Ring
6	105-7376	2	Front Piston Motor ASM
7	340-9	4	Fitting-STR
7:1	237-58	1	O-Ring
7:2	237-81	1	O-Ring
8	340-99	3	Fitting-HYD, 90 DEG
8:1	237-30	1	O-Ring
8:2	237-42	1	O-Ring
9	3256-26	10	Washer-Flat
10	340-129	2	Fitting-Elbow, 90 DEG
10:1	237-146	1	O-Ring
10:2	340-65	1	O-Ring
11	33116-120	4	Screw-HH
12	354-79	3	Cap-Dust
13	354-77	3	Fitting-Quick
13:1	237-78	1	O-Ring
14	340-94	1	Adapter
14:1	237-22	2	O-Ring
14:2	237-42	1	O-Ring
15	110-6080	1	Manifold-PTO
16	340-91	1	Fitting-STR

Ref.	Part Number	Qty.	Description
16:1	237-58	1	O-Ring
16:2	237-146	1	O-Ring
17	340-148	1	Fitting-Tee
17:1	237-81	1	O-Ring
17:2	237-58	2	O-Ring
18	353-989	1	Plug-Hex, Hollow
18:1	237-42	1	O-Ring
19	33106-090	8	Screw-HHF
20	100-3070-03	1	Brake ASM
21	3218-4	2	Nut-Jam
22	94-3088	2	Spring-Compression
23	94-3050	2	Plate-Spring
24	99-5501	2	Brake Cable ASM
25	325-6	6	Screw-HH
26	104-0746-03	1	Bracket-Manifold
27	105-7491-03	1	Front Frame ASM
28	2412-93	2	Clamp-R
29	32144-11	2	Screw-HWHTF
30	104-8300	7	Nut-HF, NI
31	340-15	1	Fitting-Elbow 90
31:1	237-58	1	O-Ring
31:2	237-146	1	O-Ring
32	100-5530	5	Fitting-45 DEG
32:1	237-58	1	O-Ring
32:2	237-81	1	O-Ring

● Not serviced separately

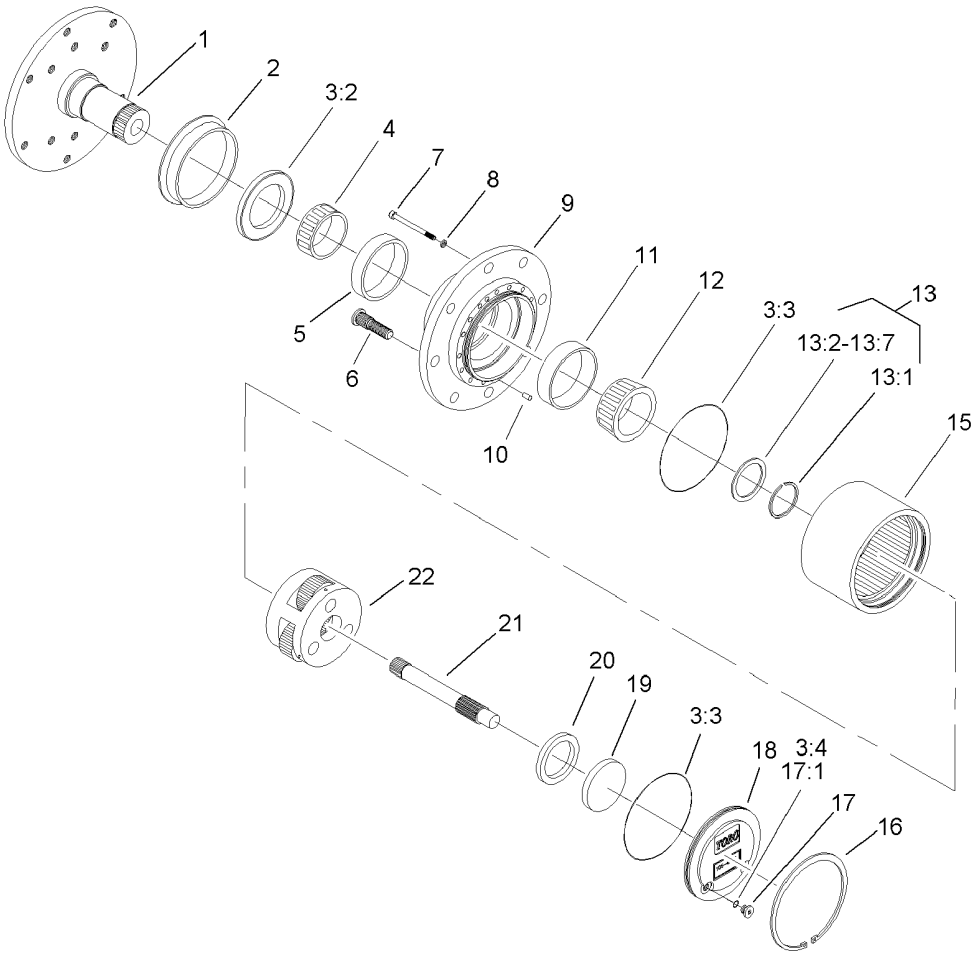


Front Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
33	110-6081	1	Manifold-PTO
34	322-38	6	Screw-HH
35	33106-030	12	Screw-HHF
36	104-7501	1	Fitting-HYD
36:1	340-65	2	O-Ring
36:2	237-146	1	O-Ring
37	340-142	1	Fitting-Elbow-90
37:1	237-58	1	O-Ring
37:2	237-81	1	O-Ring
38	2412-81	1	Clamp-R
39	32128-23	8	Nut-HF
40	340-156	1	Fitting-Elbow 45
40:1	237-65	1	O-Ring
40:2	237-81	1	O-Ring

Ref.	Part Number	Qty.	Description
41	340-8	1	Fitting-Straight
41:1	237-65	1	O-Ring
41:2	237-81	1	O-Ring
42		2	Tire And Wheel ASM ●
42:1	99-5434	1	Tire
42:2	99-5432	1	Rim
42:3	232-27	1	Stem-Valve
43	242-50	16	Nut-Lug
44	110-6082	1	Manifold-PTO
45	340-77	2	Fitting-Elbow, 90 DEG
45:1	237-22	1	O-Ring
45:2	237-42	1	O-Ring
46	3290-378	3	Tie-Cable

● Not serviced separately

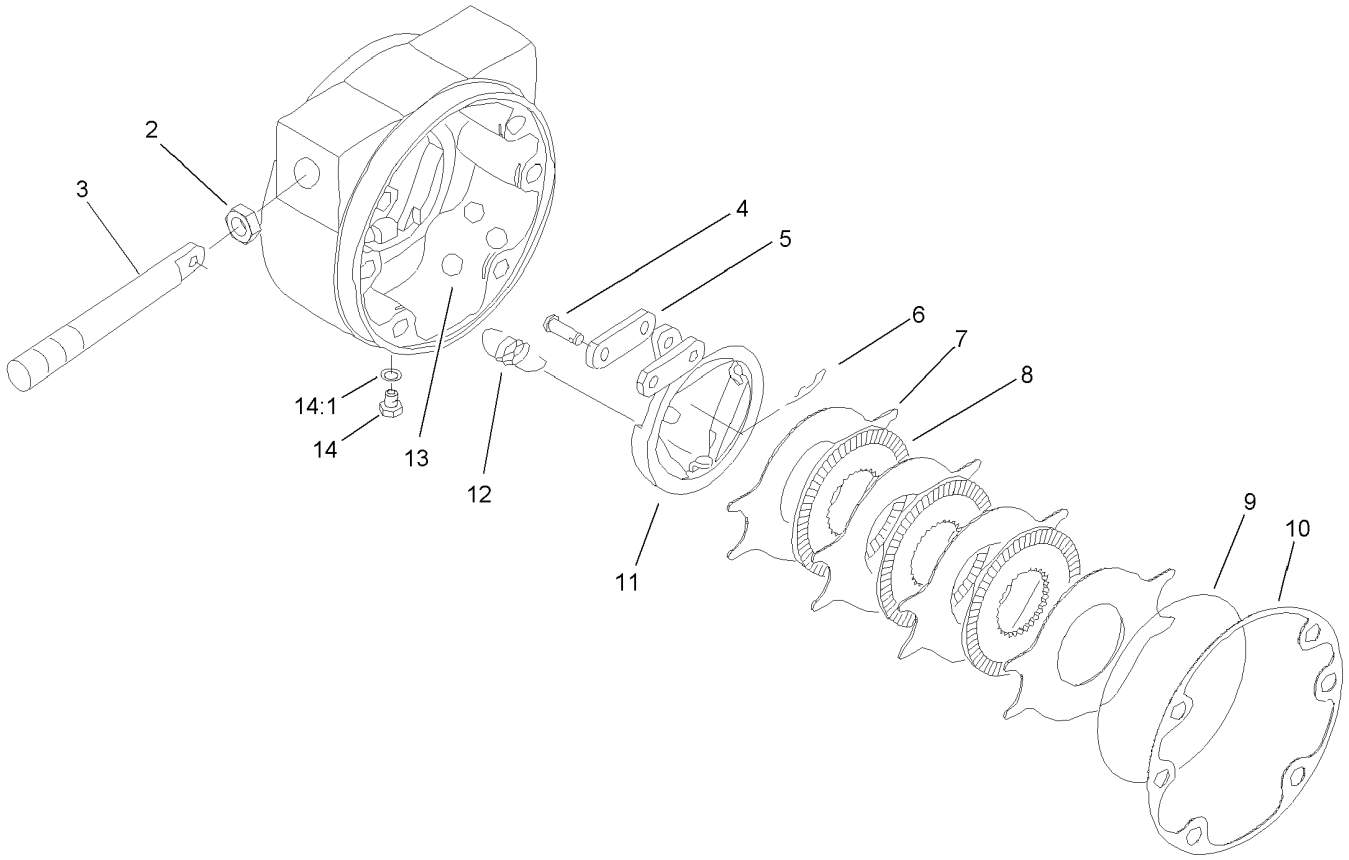


Planetary Assembly No. 105-4588-03

Ref.	Part Number	Qty.	Description
1		1	Spindle ●
2	105-8122	1	Seal-Boot
3	105-8137	1	Seal Kit
3:2		1	Seal-Oil ●
3:3		2	O Ring-End Cap ●
3:4	237-78	2	O-Ring
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	2	Pin-Dowel
11	105-8117	1	Bearing-Cup
12	105-8118	1	Bearing-Cone
13	105-8136	1	Shim Kit

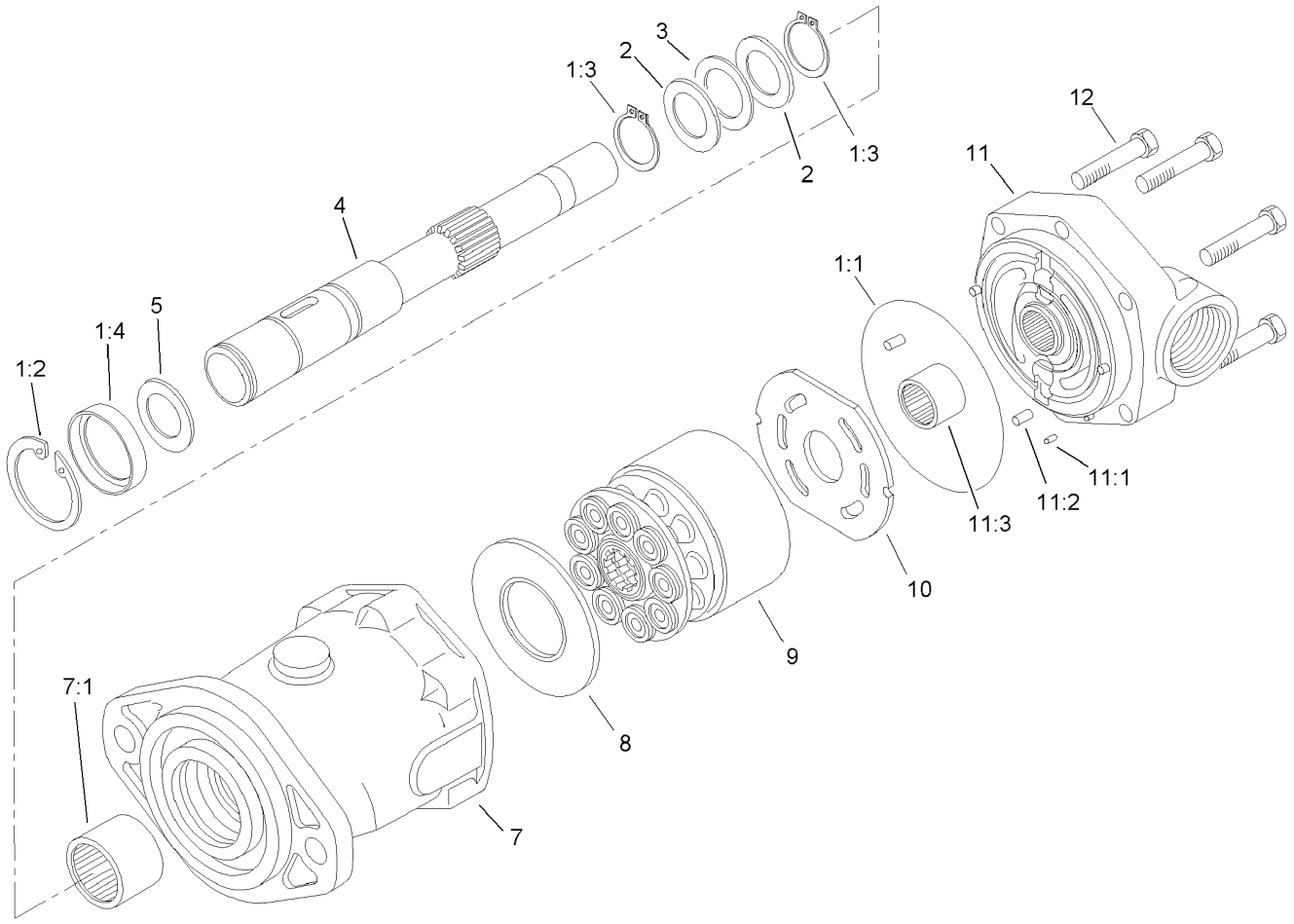
Ref.	Part Number	Qty.	Description
13:1		1	Ring-Snap ●
13:2		1	Shim-Bearing, 2.9Mm ●
13:3		1	Shim-Bearing, 2.8Mm ●
13:4		1	Shim-Bearing, 2.7Mm ●
13:5		1	Shim-Bearing, 2.6Mm ●
13:6		1	Shim-Bearing, 2.5Mm ●
13:7		1	Shim-Bearing, 2.4Mm ●
15	105-8113	1	Gear-Ring
16	105-8132	1	Ring-Retaining
17	353-990	2	Plug ASM
17:1	237-78	1	O-Ring
18	105-8138	1	Cap-End
19	105-8135	1	Plug-Thrust
20	106-6864	1	Washer-Thrust
21	105-8116	1	Shaft-Drive
22	106-6865	1	Secondary Carrier ASM

● Not serviced separately



Brake Assembly No. 100-3069-03

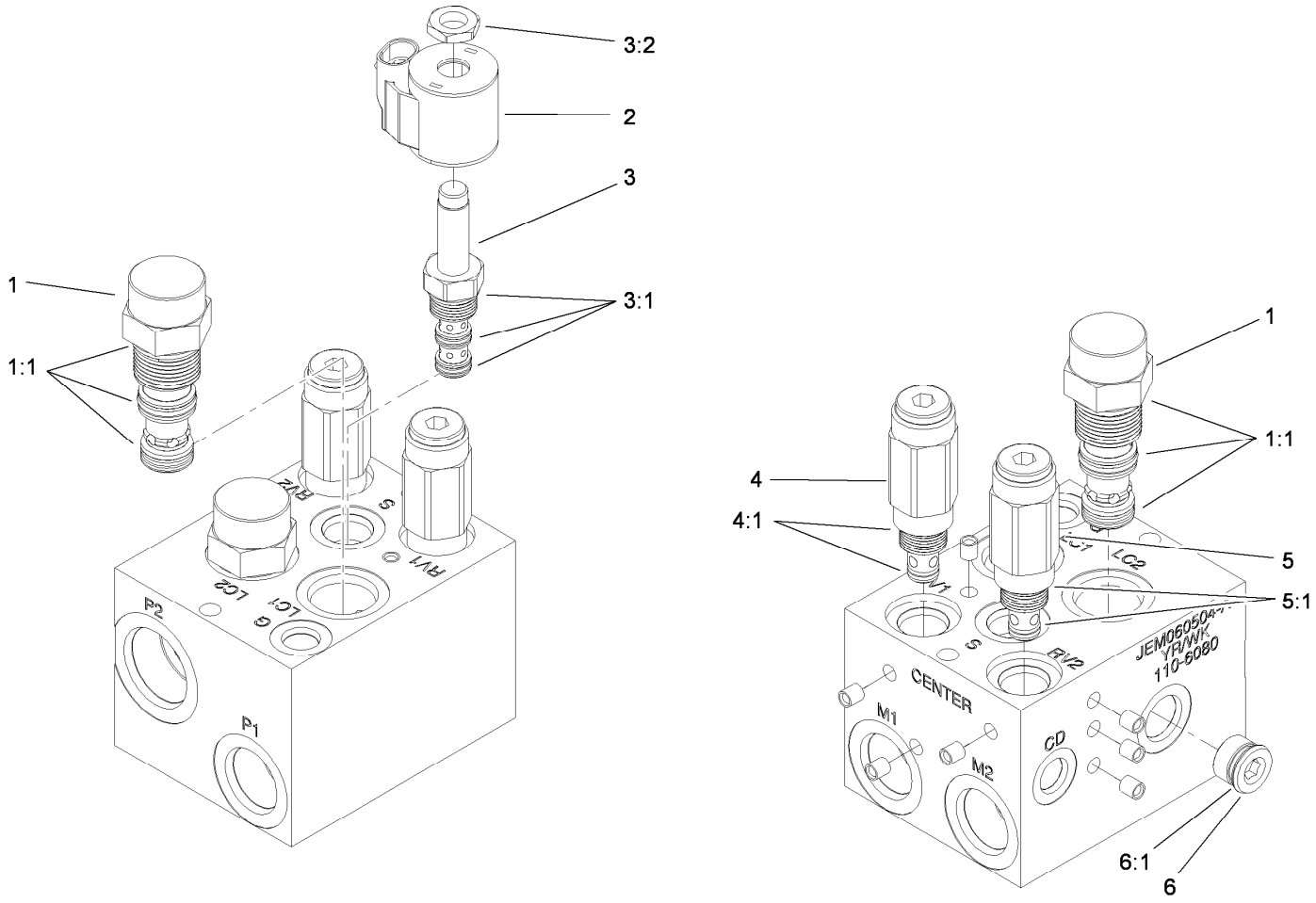
Ref.	*Part Number*	*Qty.*	*Description*
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4280	1	Actuator-Rotating
12	93-7987	3	Spring-Extension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



Front Piston Motor Assembly No. 105-7376

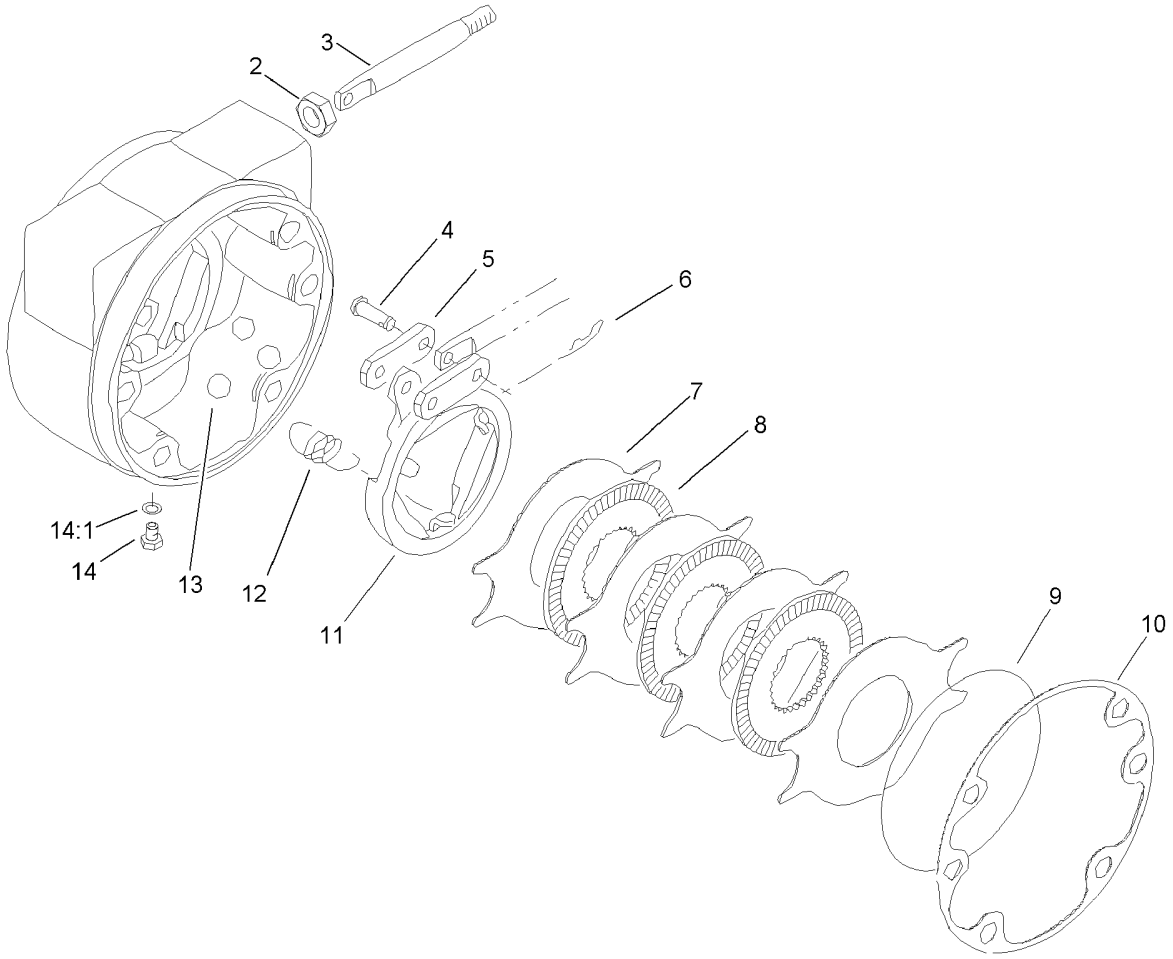
Ref.	*Part Number*	*Qty.*	*Description*
1	106-6876	1	Seal Kit
1:1		1	Seal-Dust ●
1:2	76-7010	1	Ring-Retaining
1:3	76-7000	2	Ring-Retaining
1:4		1	Seal-Shaft ●
2	60-6160	2	Race
3	76-6960	1	Bearing-Thrust
4	106-6874	1	Shaft-Drive
5	60-6240	1	Washer
7	105-2852	1	Housing ASM
7:1		1	Bearing-Needle ●
8	76-6970	1	Insert-Plate, Cam
9	106-6875	1	Rotating Kit
10	94-3003	1	Plate-Valve
11	105-2851	1	Backplate ASM
11:1		3	Pin-Dowel ●
11:2		1	Pin-Dowel ●
11:3		1	Bearing-Needle ●
12	100-2550	6	Screw-Cap

● Not serviced separately



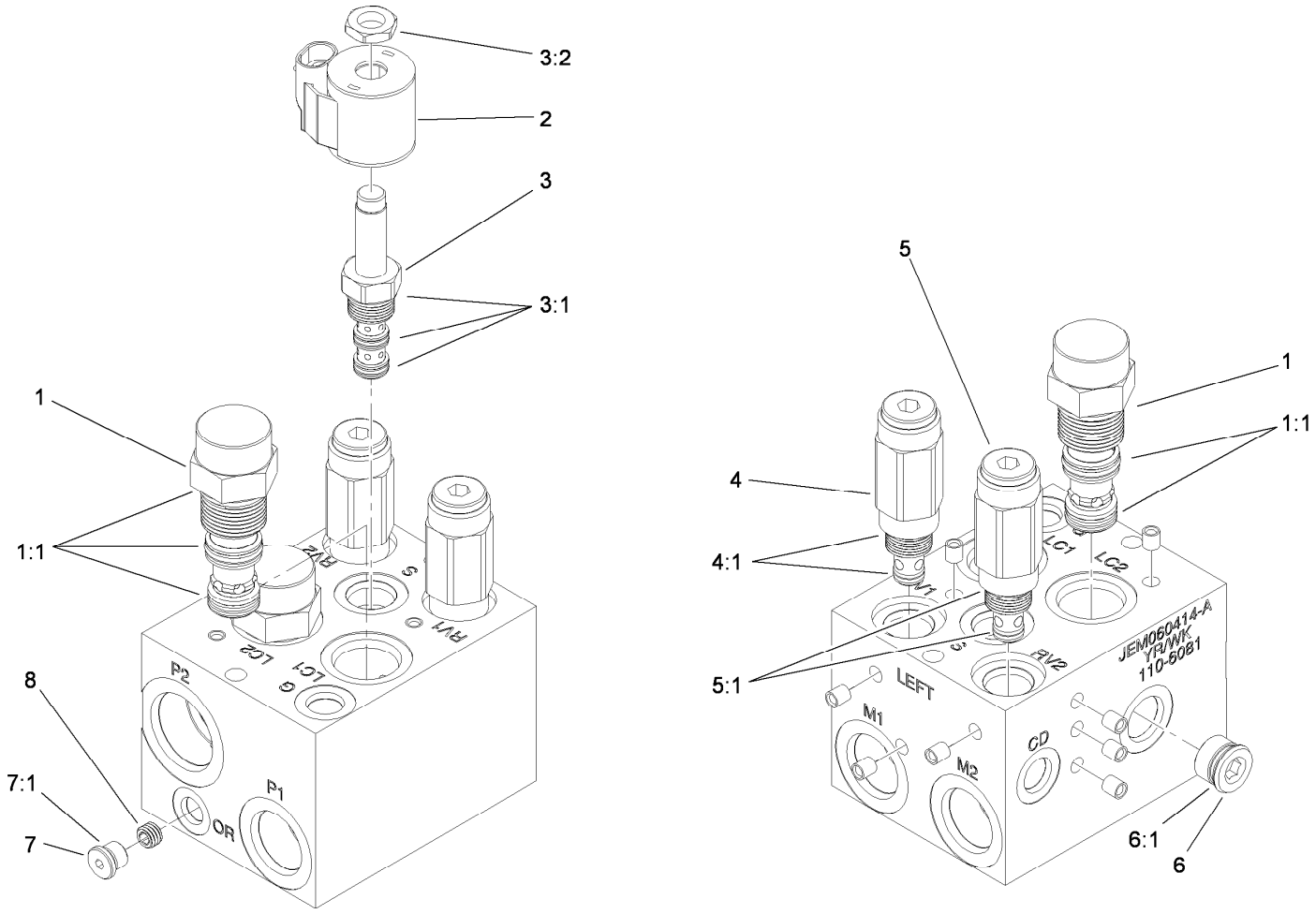
Manifold Assembly No. 110-6080

Ref.	*Part Number*	*Qty.*	*Description*
1	114-5511	2	Cartridge-Logic
1:1	114-5515	1	Seal Kit
2	105-9333	1	Coil-12Vdc
3	110-0494	1	Valve-Solenoid
3:1	110-8773	1	Seal Kit
3:2	110-2634	1	Nut-Coil
4	114-5510	1	Valve-Relief, 3000 PSI
4:1	105-9156	1	Seal Kit
5	114-5512	1	Valve-Relief, 600 PSI
5:1	105-9156	1	Seal Kit
6	106-1027	1	Plug-HYD
6:1	237-79	1	O-Ring



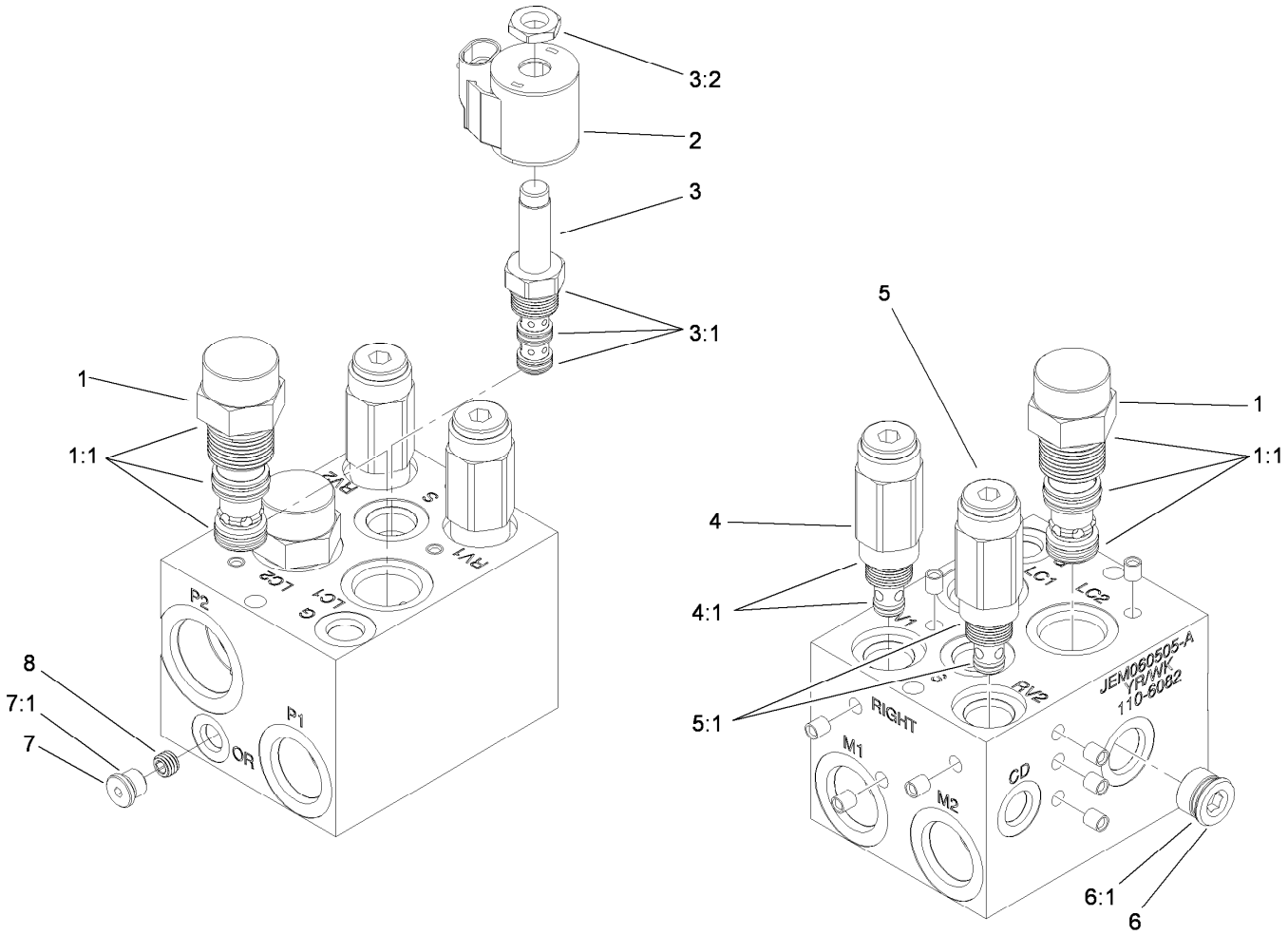
Brake Assembly No. 100-3070-03

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	104-4279	1	Actuator-Rotating
12	93-7987	3	Spring-Extension
13	93-7985	3	Ball
14	353-990	2	Plug ASM
14:1	237-78	1	O-Ring



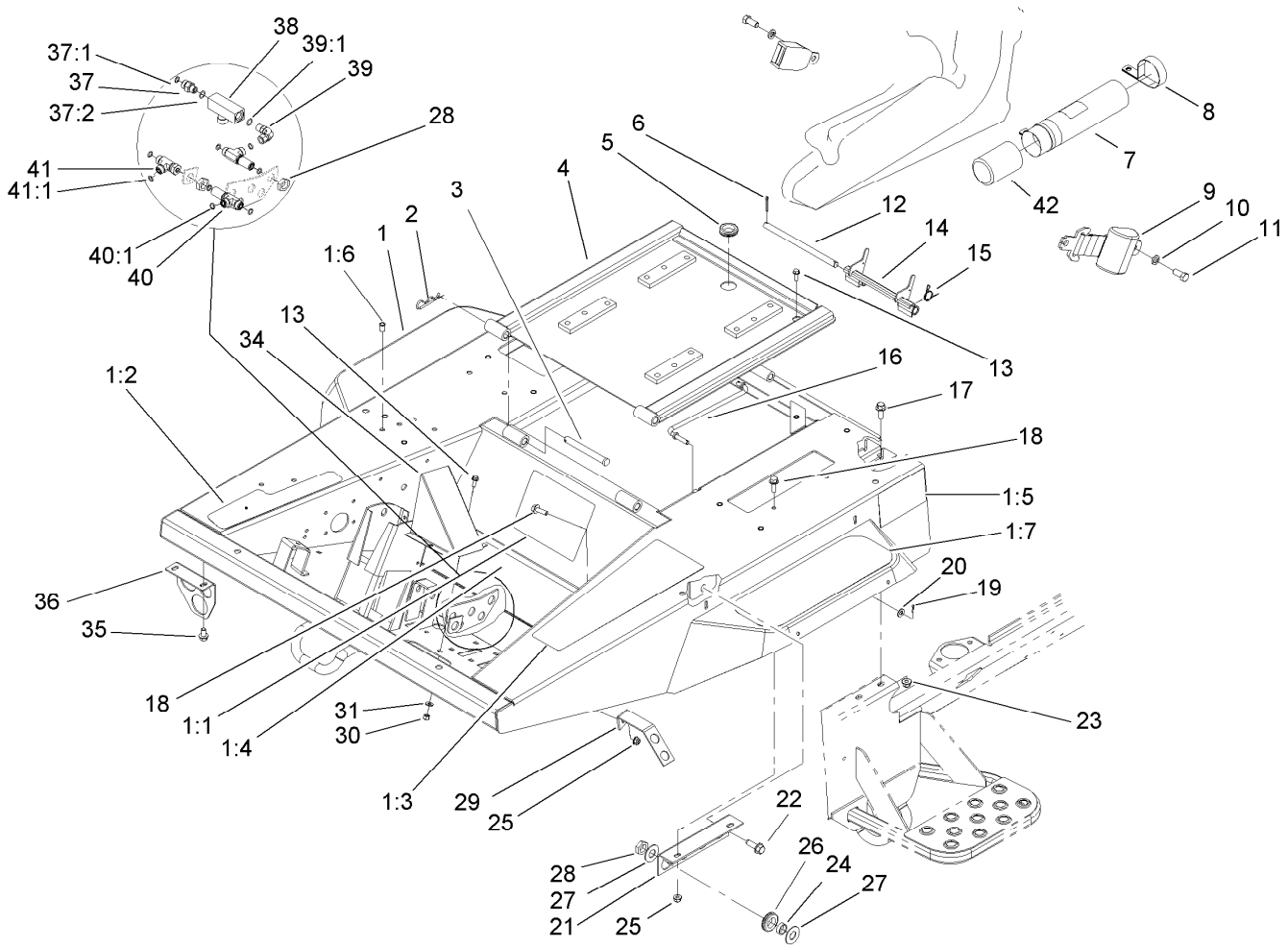
Manifold Assembly No. 110-6081

Ref.	*Part Number*	*Qty.*	*Description*
1	114-5511	2	Cartridge-Logic
1:1	114-5515	1	Seal Kit
2	105-9333	1	Coil-12Vdc
3	110-0494	1	Valve-Solenoid
3:1	110-8773	1	Seal Kit
3:2	110-2634	1	Nut-Coil
4	114-5510	1	Valve-Relief, 3000 PSI
4:1	105-9156	1	Seal Kit
5	114-5512	1	Valve-Relief, 600 PSI
5:1	105-9156	1	Seal Kit
6	106-1027	1	Plug-HYD
6:1	237-79	1	O-Ring
7	353-990	1	Plug ASM
7:1	237-78	1	O-Ring
8	112-6538	1	Orifice (.063 Inch)



Manifold Assembly No. 110-6082

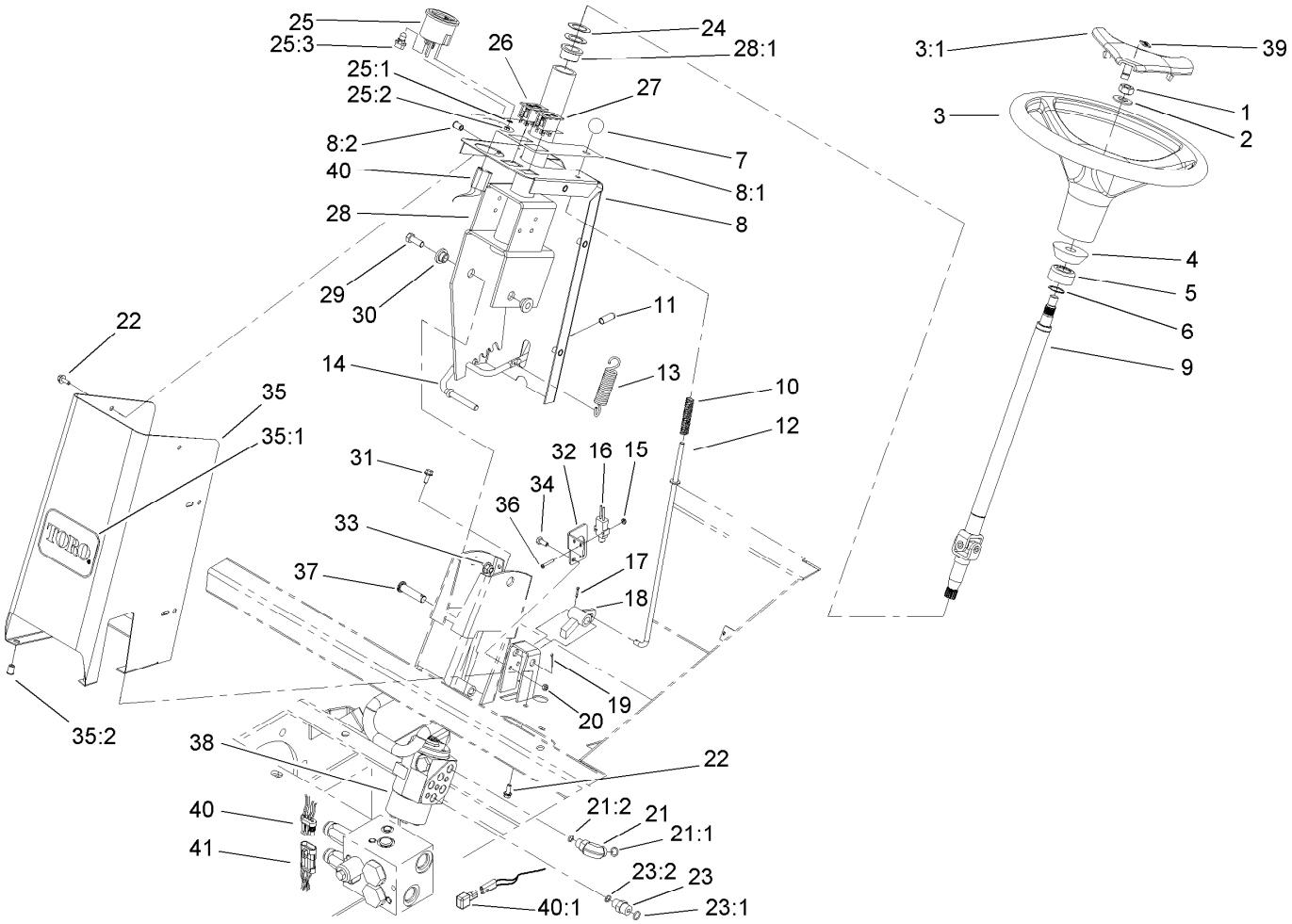
Ref.	*Part Number*	*Qty.*	*Description*
1	114-5511	2	Cartridge-Logic
1:1	114-5515	1	Seal Kit
2	105-9333	1	Coil-12Vdc
3	110-0494	1	Valve-Solenoid
3:1	110-8773	1	Seal Kit
3:2	110-2634	1	Nut-Coil
4	114-5514	1	Valve-Relief, 2000 PSI
4:1	105-9156	1	Seal Kit
5	114-5512	1	Valve-Relief, 600 PSI
5:1	105-9156	1	Seal Kit
6	106-1027	1	Plug-HYD
6:1	237-79	1	O-Ring
7	353-990	1	Plug ASM
7:1	237-78	1	O-Ring
8	112-6538	1	Orifice (.063 Inch)



Platform and Seat Base Assembly

Ref.	Part Number	Qty.	Description
1	105-7350	1	Platform ASM
1:1	106-6764	1	Decal-Operating Instruction, Ce
1:2	104-3599	1	Decal-Pedal, Traction
1:3	93-5507	1	Abrasive-Platform
1:4	93-5349	2	Abrasive-Floor
1:5	94-8099	2	Decal
1:6	32148-6	14	Nut-Clinch
1:7	105-7375	1	Abrasive-Platform
2	3290-355	2	Pin-Hair
3	93-5343	2	Pin-Clevis
4	100-3060-03	1	Seat Plate ASM
5	240-5	1	Grommet
6	3272-11	2	Pin-Cotter
7	104-7050	1	Tube-Manual
8	2412-133	2	Clamp-R
9	110-0413	1	Seatbelt-Retractable
10	3253-6	2	Washer-Lock
11	3212-4	2	Screw-HH
12	93-5366	1	Shaft-Latch
13	3234-4	3	Screw-HHF
14	93-5363	1	Latch ASM
15	93-5367	1	Spring-Torsion
16	93-5338	1	Rod-Prop
17	3234-42	2	Screw-HHF
18	3234-29	3	Screw-HHF
19	3272-5	2	Pin-Cotter

Ref.	Part Number	Qty.	Description
20	3256-23	2	Washer-Plain
21	100-3149-03	1	Bracket-Bulkhead
22	32144-67	2	Screw
23	104-8301	2	Nut-HF, NI
24	69-8970	4	Spacer
25	104-8300	3	Nut-HF, NI
26	240-4	4	Grommet-Rubber
27	69-8940	8	Washer
28	340-70	6	Nut-Lock
29	100-5500-03	1	Support
30	3296-42	2	Nut-Lock, NI
31	3256-22	2	Washer-Flat
34	100-3045-01	1	Cover-Tubes
35	32144-14	4	Screw-HWHTF
36	105-7489-01	1	Bracket-Bulkhead, RH
36	105-7373-01	1	Bracket-Bulkhead, LH
37	340-2	1	Fitting-Straight
37:1	237-22	1	O-Ring
37:2	237-42	1	O-Ring
38	98-9742	1	Valve-Control, Flow
39	340-110	1	Fitting-Swivel, 90 DEG
39:1	237-42	1	O-Ring
40	340-68	2	Fitting-Tee, Bulkhead
40:1	237-22	3	O-Ring
41	340-115	1	Fitting-Tee, Swivel Nut
41:1	237-22	2	O-Ring
42	104-7048	1	Cap-Housing

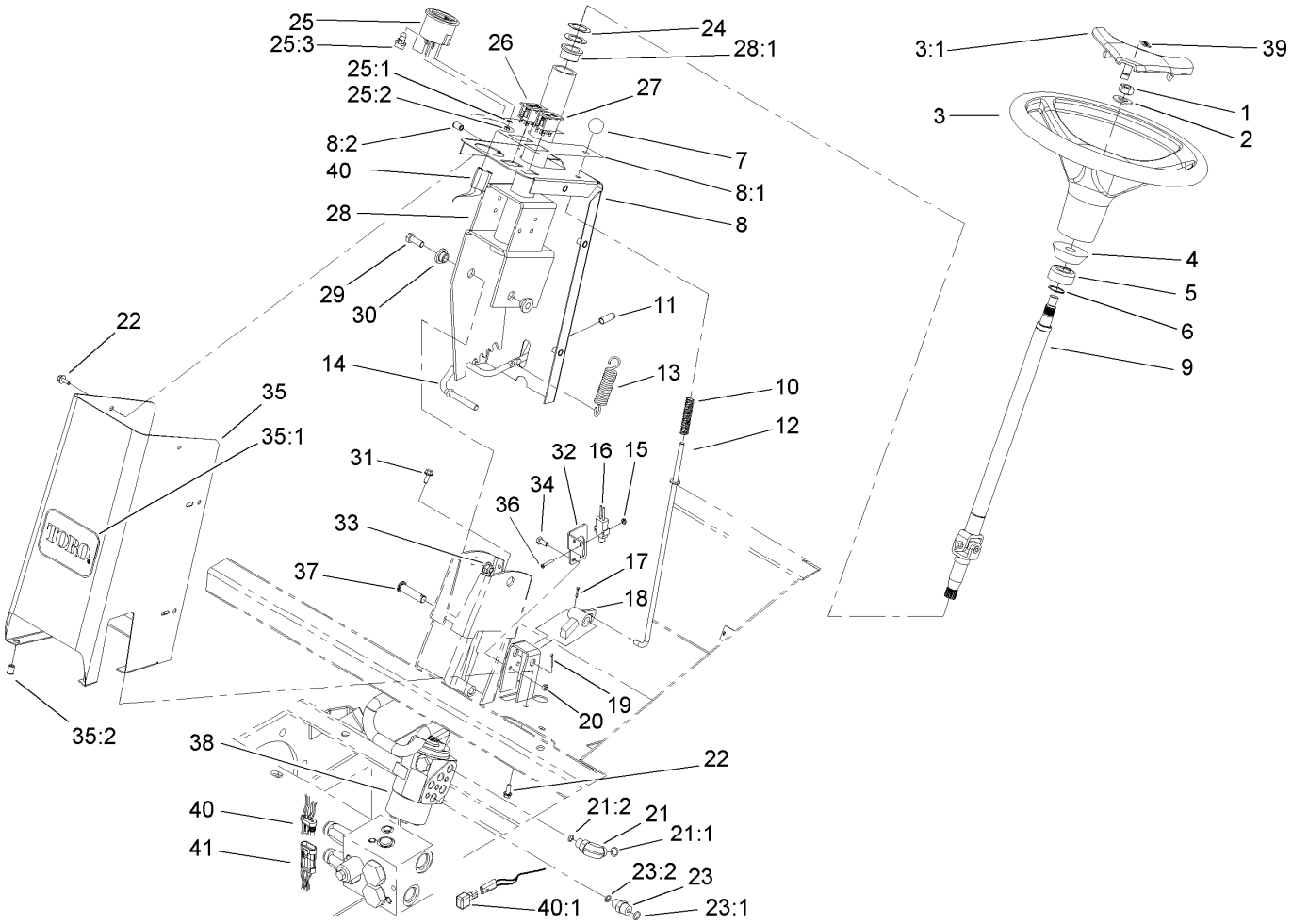


Steering Tower Assembly

Ref.	Part Number	Qty.	Description
1	108-9342	1	Nut-Hex
2	3256-27	1	Washer-Flat
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	93-5429	1	Collar-Foam
5	93-5439	1	Seal-Steering
6	32151-29	2	Ring-Retaining
7	93-5312	1	Knob
8	104-2274	1	Tower Cover ASM
8:1	104-2277	1	Decal-Tower
8:2	32148-6	6	Nut-Clinch
9	93-5428	1	Shaft-Steering
10	71-8310	1	Spring-Compression
11	93-5446	1	Cap-Vinyl
12	104-8308	1	Rod ASM
13	93-5985	1	Spring-Extension
14	93-5989	1	Rod-Tilt
15	3296-9	2	Nut-Hex
16	99-3410	1	Switch
17	3272-5	1	Pin-Cotter
18	93-5276-03	1	Brake Pawl ASM
19	3272-6	1	Pin-Cotter
20	3296-42	2	Nut-Lock, NI
21	340-77	1	Fitting-Elbow, 90 DEG
21:1	237-22	1	O-Ring

Ref.	Part Number	Qty.	Description
21:2	237-42	1	O-Ring
22	3234-33	10	Screw-HHF
23	340-2	4	Fitting-Straight
23:1	237-22	1	O-Ring
23:2	237-42	1	O-Ring
24	9547	4	Washer-Thrust
25	98-9308	1	Gauge-Temperature
25:1	3254-1	3	Washer-Lock, Int
25:2	3217-27	3	Nut-Hex
25:3	105-9265	1	Bulb And Lamp ASM
26	100-8070	1	Lamp-Warning
27	100-8071	1	Lamp-Warning
28	104-8332	1	Steering Column ASM
28:1	256-132	2	Bushing-Flange
29	323-6	2	Screw-HH
30	93-5988	2	Hub-Pivot
31	33103-016	4	Screw-HHF
32	104-0128	1	Bracket-Switch
33	104-8301	2	Nut-HF, NI
34	321-3	2	Screw-HH
35	100-3038	1	Steering Tower ASM
35:1	67-1300	1	Decal
35:2	32148-6	4	Nut-Clinch
36	3250-35	2	Screw-PPH
37	283-5	1	Pin-Clevis

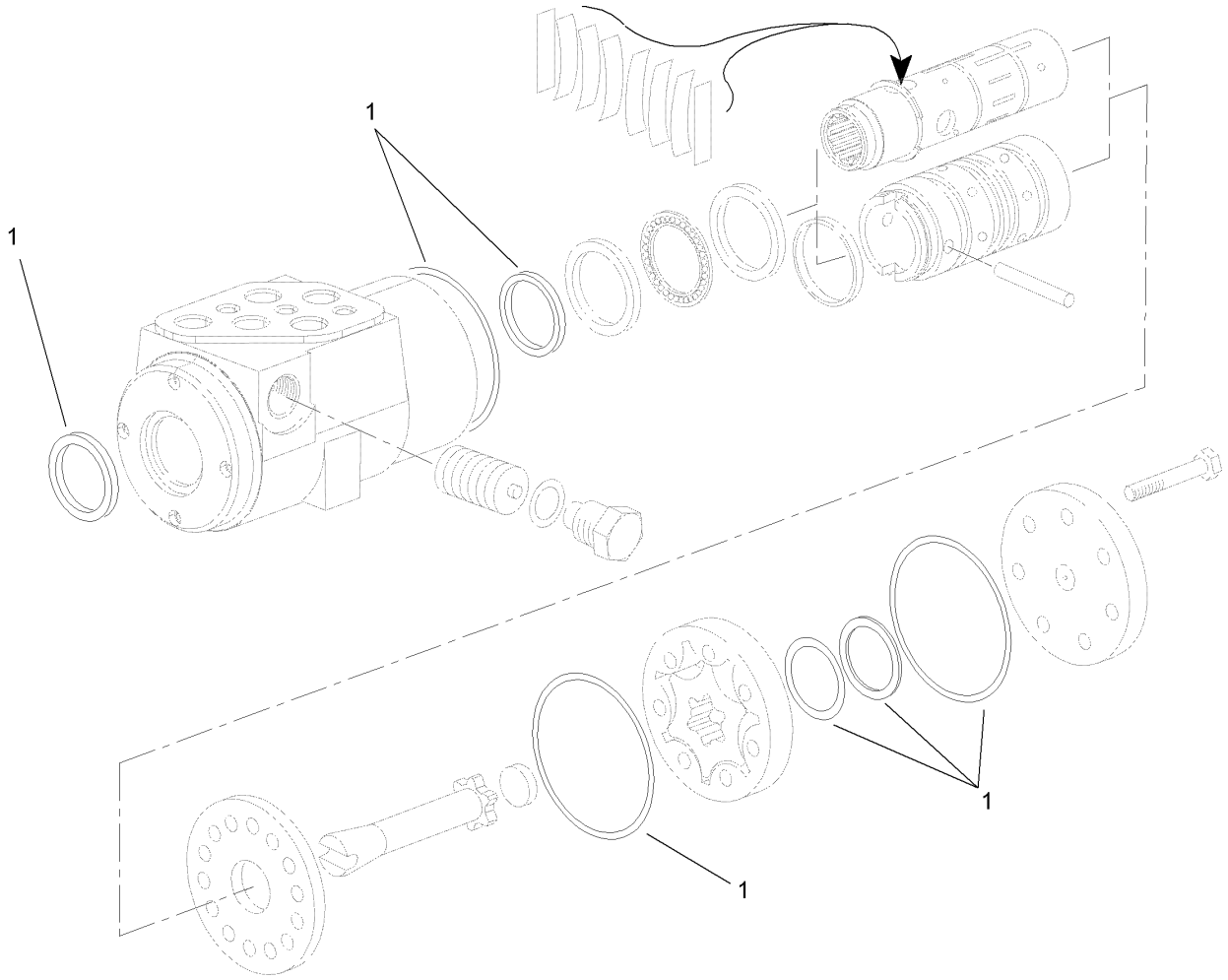
● Not illustrated



Steering Tower Assembly (continued)

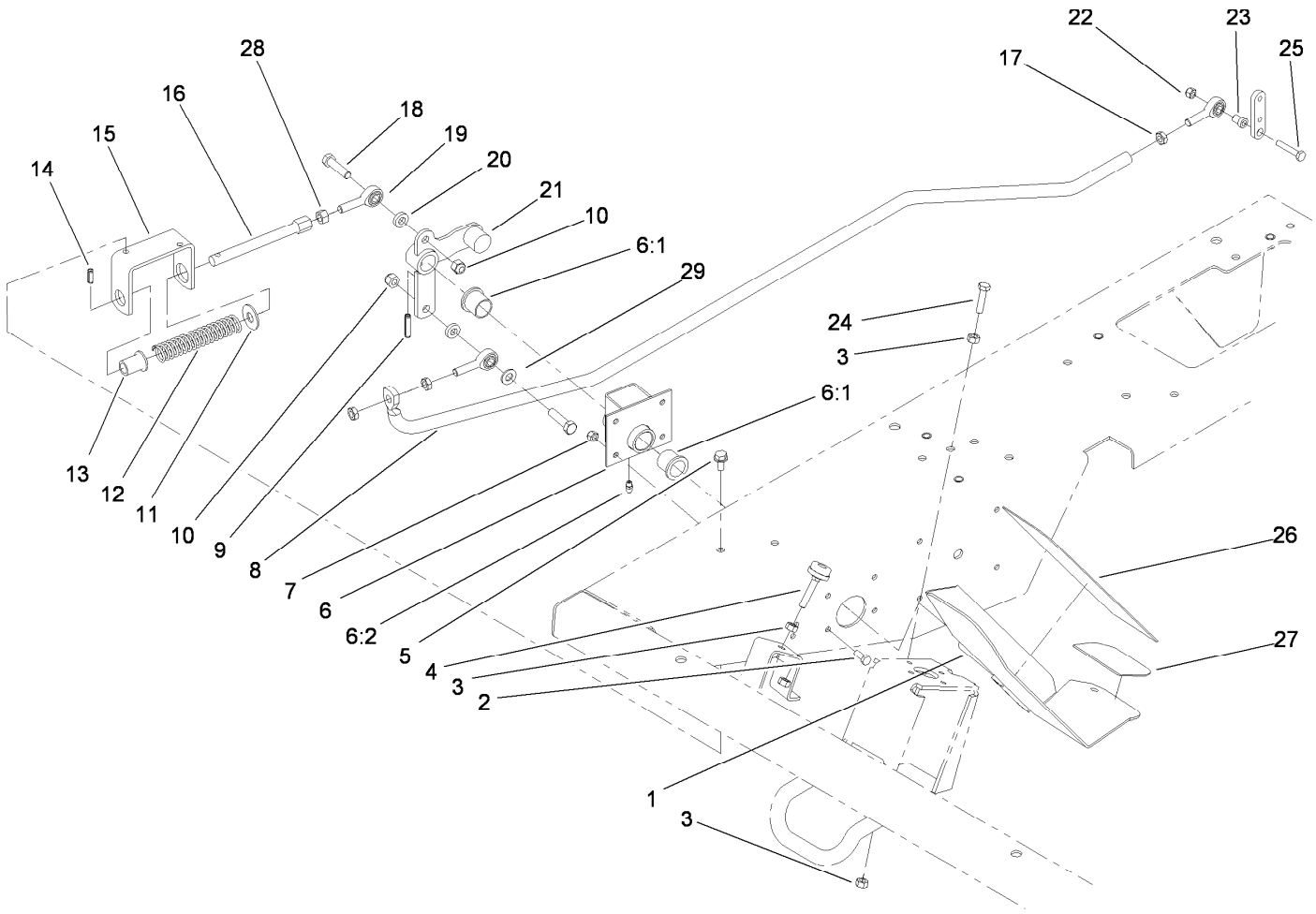
Ref.	Part Number	Qty.	Description
38	114-5074	1	HYD Steering Valve ASM
39	98-1459	1	Decal
40	105-7476	1	Harness-Wire, Front
40:1	100-4918	1	Diode
41	106-7160	1	Harness-Wire, Jumper
41:1	100-4918	1	Diode ●

● Not illustrated



Steering Valve Assembly No. 114-5074

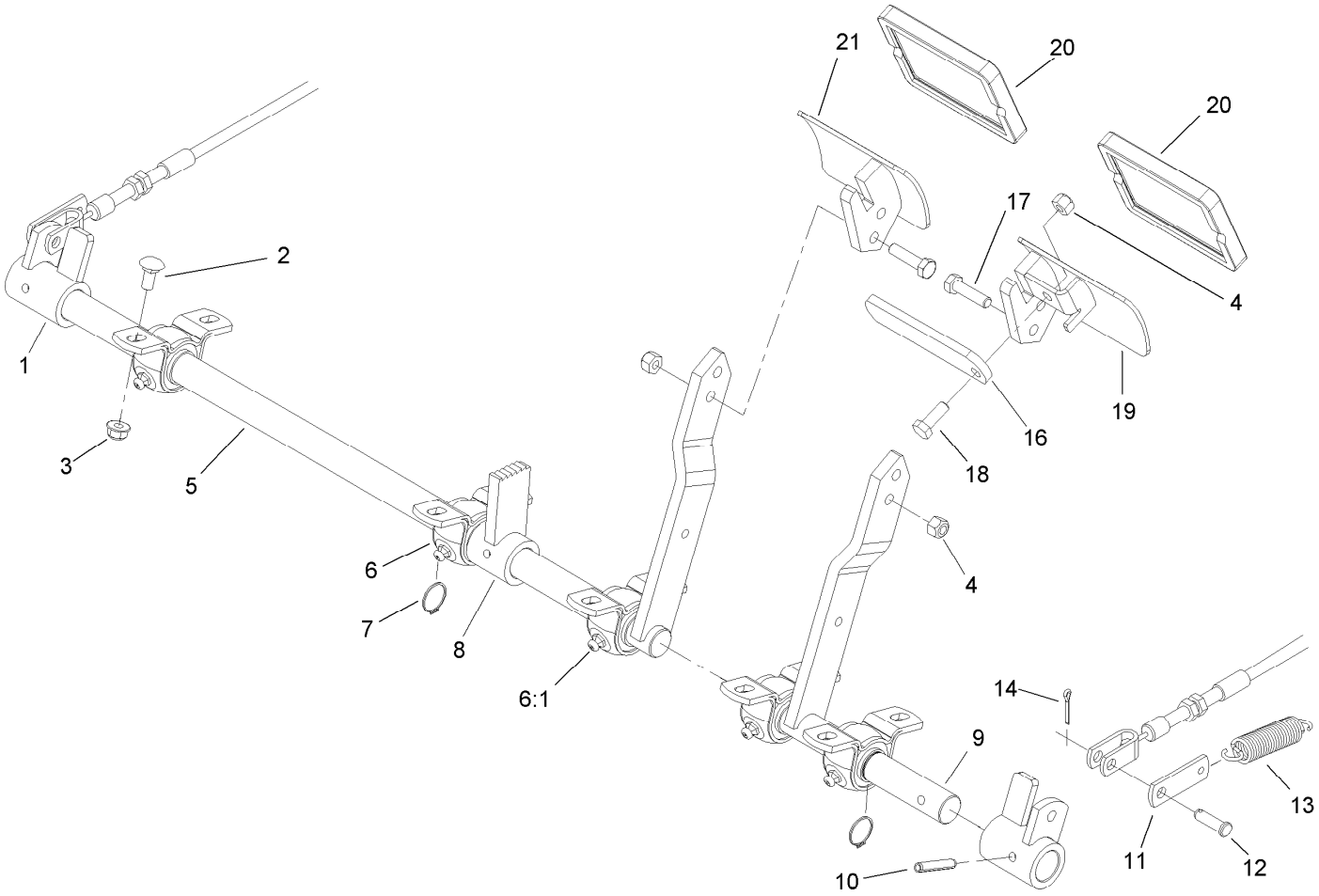
Ref.	*Part Number*	*Qty.*	*Description*
1	108-1519	1	Seal Kit



Traction Pedal and Linkage Assembly

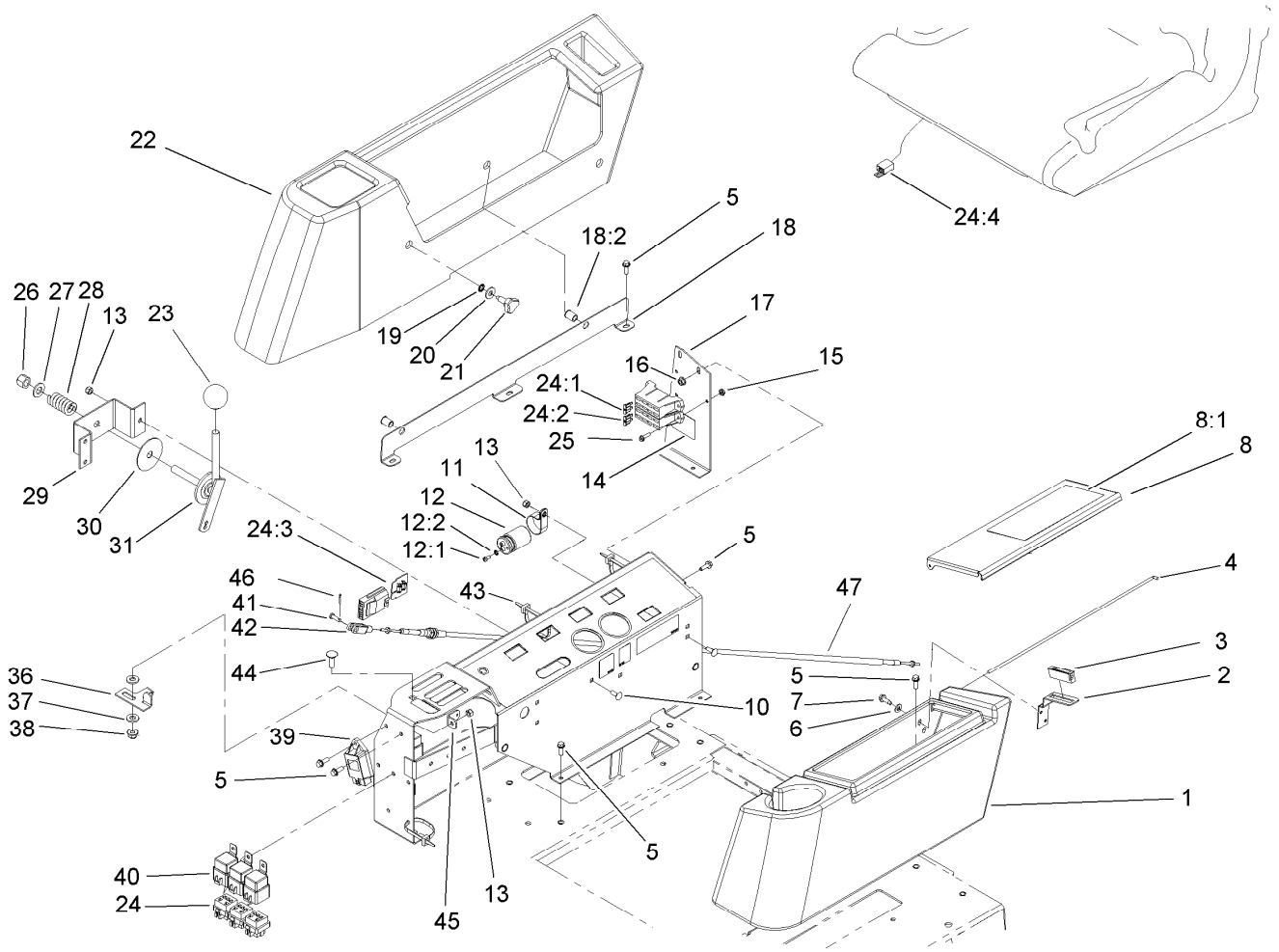
Ref.	Part Number	Qty.	Description
1	93-5133-01	1	Pedal-Traction
2	321-4	4	Screw-HH
3	3217-6	4	Nut-Hex
4	32141-36	1	Screw-Adjustment, Level
5	32144-14	2	Screw-HWHTF
6	104-3565	1	Pedal Bracket ASM
6:1	256-10	2	Bushing-Flange
6:2	302-5	1	Fitting-Grease
7	3296-42	4	Nut-Lock, NI
8	100-3136-03	1	Rod-Traction
9	32121-9	1	Pin-Roll, Slotted
10	3296-39	2	Nut-Lock, NI
11	3256-5	1	Washer-Flat
12	84-9100	1	Spring
13	92-7610	1	Retainer-Spring
14	32121-11	1	Pin-Roll

Ref.	Part Number	Qty.	Description
15	100-3137-03	1	Bracket-Spring
16	92-7609	1	Shaft-Spring
17	3220-3	3	Nut-HJ
18	323-8	2	Screw-HH
19	2411-36	3	Bearing-End, Rod
20	80-7730	2	Spacer
21	100-3138	1	Lever-Traction
22	3296-42	1	Nut-Lock, NI
23	104-7517	1	Spacer
24	322-6	1	Screw-HH
25	321-9	1	Screw-HH
26	93-5347	1	Abrasive-Pedal
27	93-5368	1	Abrasive-Pedal
28	3219-3	1	Nut-Hex
29	3256-24	1	Washer-Flat



Brake Pedal and Linkage Assembly

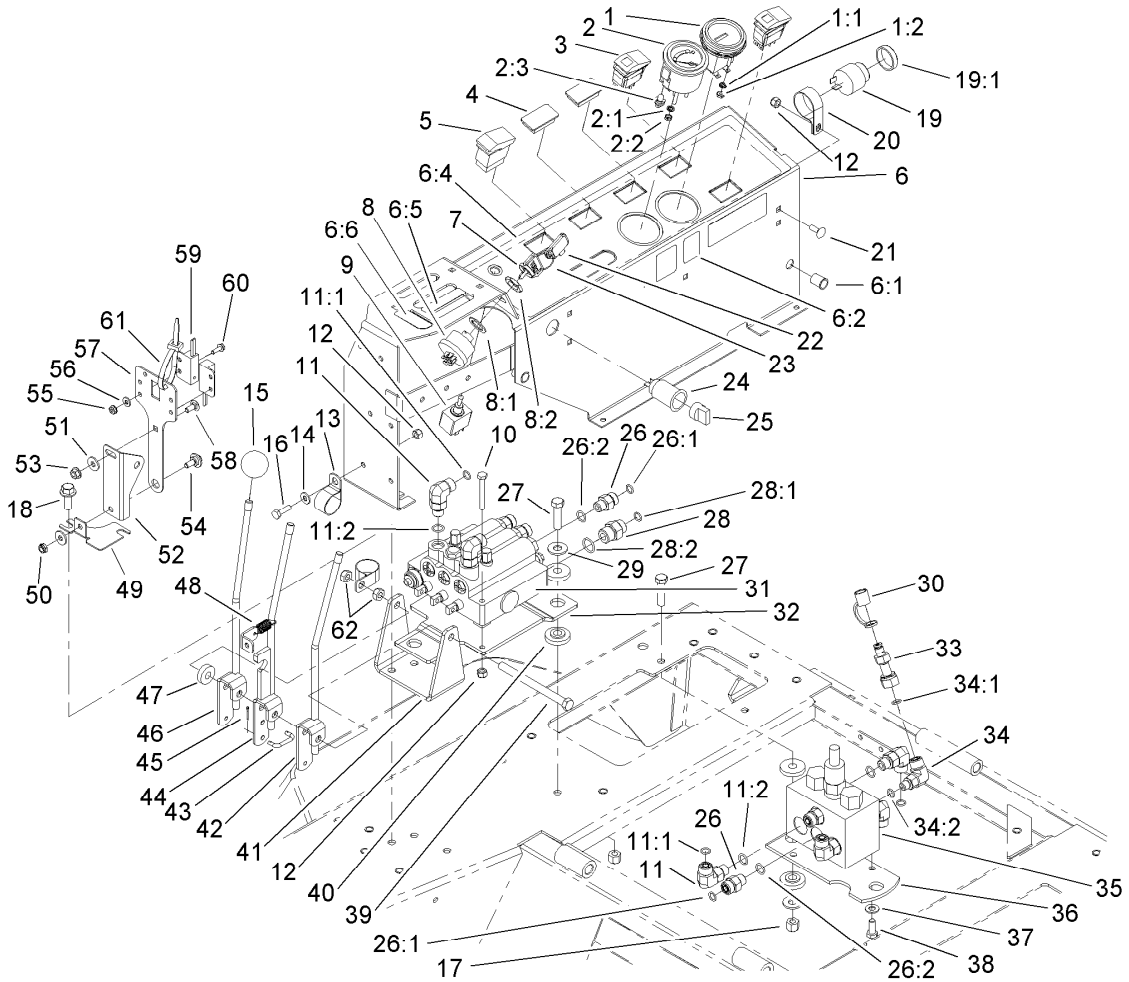
Ref.	*Part Number*	*Qty.*	*Description*
1	100-3002-03	2	Brake Lever ASM
2	3230-1	10	Bolt-CARR
3	104-8300	10	Nut-HF, NI
4	3296-29	5	Nut-Lock, NI
5	100-3000-03	1	RH Brake Arm ASM
6	93-4849	5	Bearing-Block, Pillow
6:1	302-5	1	Fitting-Grease
7	32151-83	3	Ring-Snap
8	93-5475-03	1	Brake Latch ASM
9	100-2997-03	1	LH Brake Arm ASM
10	32121-15	3	Pin-Roll
11	100-5540	2	Strap-Brake
12	283-61	2	Pin-Yoke
13	93-5262	2	Spring-Extension
14	3272-6	2	Pin-Cotter
16	93-5568	1	Arm-Lock
17	322-6	4	Screw-HH
18	322-4	1	Screw-HH
19	105-4553-03	1	LH Pedal ASM
20	93-8743	2	Footpad-Turn
21	105-4554-03	1	RH Pedal ASM



Control Console and Tool Box Assembly

Ref.	Part Number	Qty.	Description
1	104-7515	1	Housing-Box, Tool
2	104-7545	1	Bracket-Latch
3	58-4250	1	Catch-Magnetic
4	104-7548	1	Rod-Hinge
5	3234-4	20	Screw-HHF
6	3256-22	2	Washer-Flat
7	32104-95	2	Screw-HWH
8	104-8321	1	Tool Box Cover ASM
8:1	106-6752	1	Decal-Warning
8:1	112-9118	1	Decal-Warning
10	3229-1	5	Bolt-CARR
11	2412-74	2	R-Clamp
12	37-2690	2	Capacitor
12:1	3252-18	2	Screw
12:2	3254-1	2	Washer-Lock, Int
13	3296-42	10	Nut-Lock, NI
14	110-3286	1	Decal-Fuse
15	32149-7	2	Nut-Keps
16	32128-33	2	Nut-HF
17	105-0785-03	1	Support-Panel, Control
18	105-0780	1	Console Support ASM
18:2	32148-9	2	Nut-Clinch
19	32151-72	4	Ring-Retaining
20	3256-3	4	Washer-Flat
21	95-9648	4	Knob
22	104-7514	1	Housing-Console

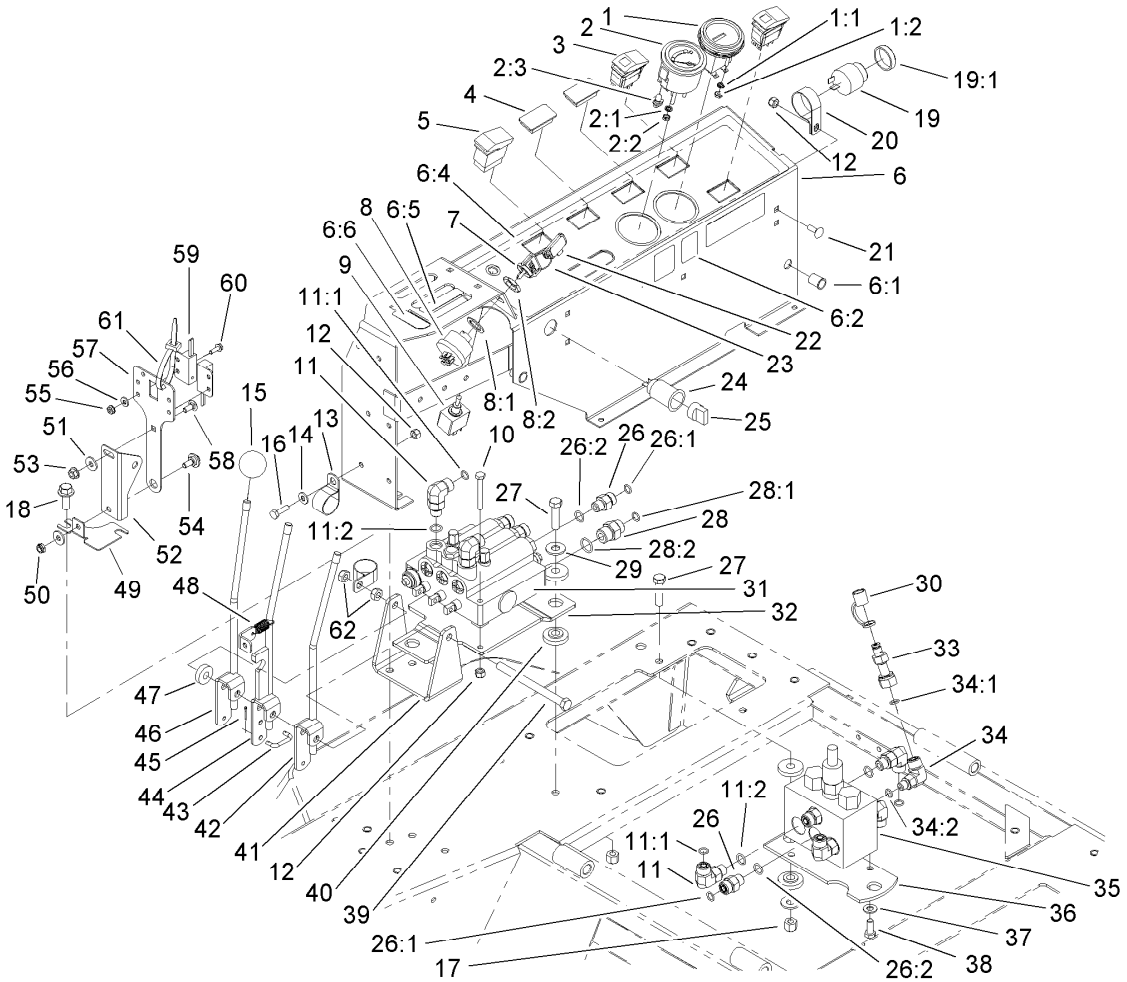
Ref.	Part Number	Qty.	Description
23	233-48	1	Knob
24	105-7474	1	Harness-Wire, Console
24:1	110928	1	Fuse-Blade, 5 Amp
24:2	218-578	4	Fuse-Blade, 10 Amp
24:3	92-3188	1	Diode-Board, Circuit
24:4	107-4305	1	Harness-Wire, Seat
25	32105-13	2	Screw-HWH
26	3296-23	1	Nut-Lock, NI
27	3256-26	1	Washer-Flat
28	3-8596	1	Spring-Compression
29	104-7539-03	1	Bracket-Pivot
30	3-2858	1	Disc-Friction
31	104-7538	1	Throttle Lever ASM
36	104-7543	1	Stop-Lever, Lift
37	66-2920	2	Washer-Friction
38	104-8301	1	Nut-HF, NI
39	98-7611	1	Controller-Glow
40	99-7430	7	Relay-Mini 280
41	283-67	1	Pin-Clevis
42	282-28	1	Clevis-Adjustable
43	3290-378	5	Tie-Cable
44	3231-22	1	Screw-CARR
45	106-7164	1	Bracket-Spring
46	3272-1	1	Pin-Cotter
47	104-7547	1	Cable-Throttle



Control Console Assembly

Ref.	Part Number	Qty.	Description
1	66-2950	1	Gauge-Hourmeter
1:1	3255-20	2	Washer-Lock
1:2	3217-25	2	Nut-Hex
2	98-9339	1	Gauge-Fuel
2:1	3254-1	3	Washer-Lock, Int
2:2	3217-27	3	Nut-Hex
2:3	105-9265	1	Bulb And Lamp ASM
3	100-8072	2	Switch
4	99-7420	2	Plug-Hole
5	95-8999	1	Switch
6	106-6751	1	Control Panel ASM
6:1	32148-9	2	Nut-Clinch
6:2	93-7252	1	Decal
6:4	106-2046	1	Decal-Panel, Control
6:5	104-8324	1	Decal-Lift
6:6	104-8325	1	Decal-Lock
7	63-8360	2	Key-Ignition
8	88-9830	1	Key Switch ASM
8:1	3254-5	1	Washer-Lock
8:2	218-461	1	Nut-HH
9	93-5270	1	Switch-PTO
10	321-11	2	Screw-HH
11	340-77	6	Fitting-Elbow, 90 DEG
11:1	237-22	1	O-Ring
11:2	237-42	1	O-Ring
12	3296-42	4	Nut-Lock, NI
13	2412-126	2	R-Clamp
14	3256-22	1	Washer-Flat

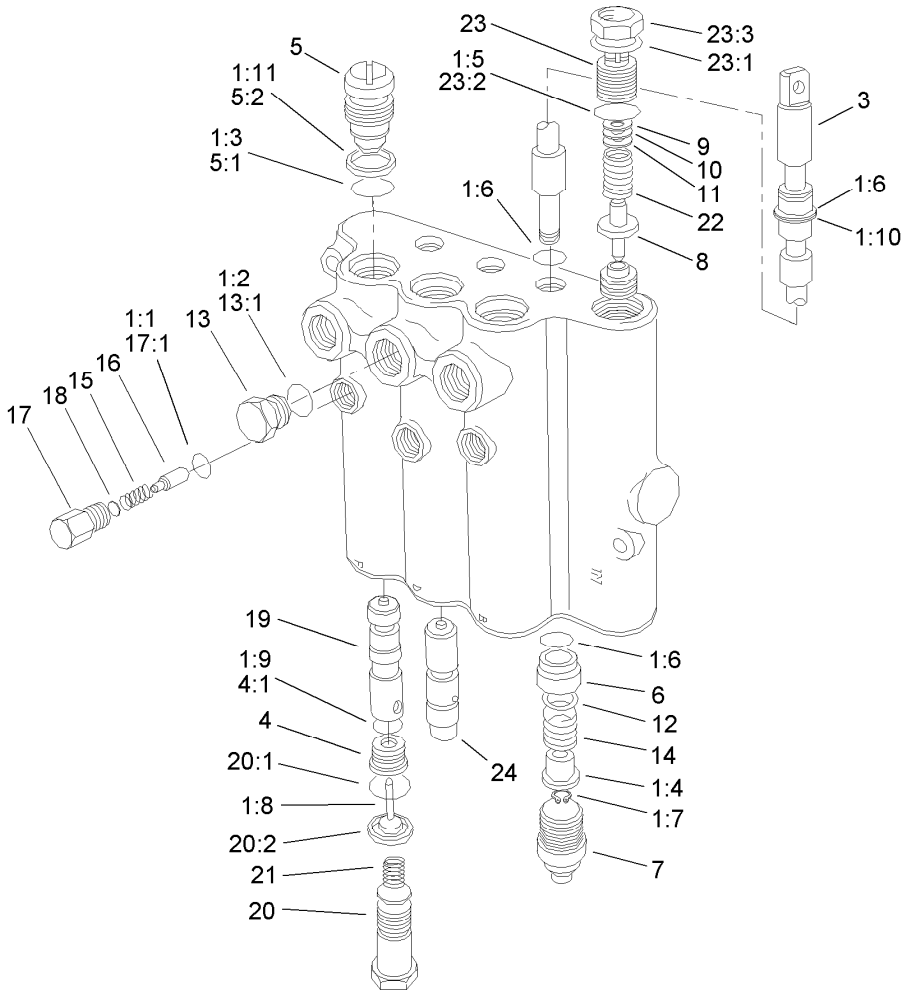
Ref.	Part Number	Qty.	Description
15	233-42	3	Knob
16	321-5	1	Screw-HH
17	3296-39	7	Nut-Lock, NI
18	3234-42	2	Screw-HHF
19	80-9330	1	Audio Alarm ASM
19:1	104-5107	1	Nut-Plastic, Knurled
20	2412-74	1	R-Clamp
21	3229-1	1	Bolt-CARR
22	99-8970	1	Key-Latch, Hood
23	98-9321	1	Ring-Key
24	99-7411	1	Point-Power
25	99-7416	1	Cap
26	340-2	5	Fitting-Straight
26:1	237-22	1	O-Ring
26:2	237-42	1	O-Ring
27	323-8	5	Screw-HH
28	340-3	1	Fitting-Straight
28:1	237-22	1	O-Ring
28:2	237-79	1	O-Ring
29	3256-4	5	Washer-Flat
30	354-79	1	Cap-Dust
31	69-1780	1	Control Valve ASM
32	105-0789-03	1	Bracket-Valve
33	86-5480	1	Nipple-Test
34	340-97	1	Fitting-Elbow, 90 DEG
34:1	237-22	1	O-Ring
34:2	237-78	1	O-Ring



Control Console Assembly (continued)

Ref.	Part Number	Qty.	Description
35	104-0788	1	Valve ASM
36	104-2231-03	1	Plate-Valve
37	3256-23	2	Washer-Plain
38	322-3	2	Screw-HH
39	323-38	1	Screw-HH
40	240-11	10	Bushing-Flange
41	105-0788-03	1	Bracket-Pivot
42	100-3123	1	LH Lever ASM
43	69-9140	3	Link-Lever, Valve
44	106-7161	1	Lever ASM
45	3272-1	6	Pin-Cotter
46	100-3121	1	RH Lever ASM
47	62-6660	1	Spacer
48	105-3938	1	Spring-Extension

Ref.	Part Number	Qty.	Description
49	107-0187	1	Plate-Tab
50	3296-56	1	Nut-Lock, NI
51	3256-78	2	Washer-Flat
52	107-0186	1	Bracket-Lever
53	32128-33	1	Nut-HF
54	95-1870	1	Screw-Shoulder
55	32149-7	4	Nut-Keps
56	3256-14	4	Washer-Flat
57	107-0185	1	Plate-Switch
58	3229-11	1	Screw-CARR
59	100-1270	2	Switch-Proximity
60	32105-2	4	Screw-SHWH
61	3290-378	1	Tie-Cable
62	3296-59	2	Nut-Lock, NI

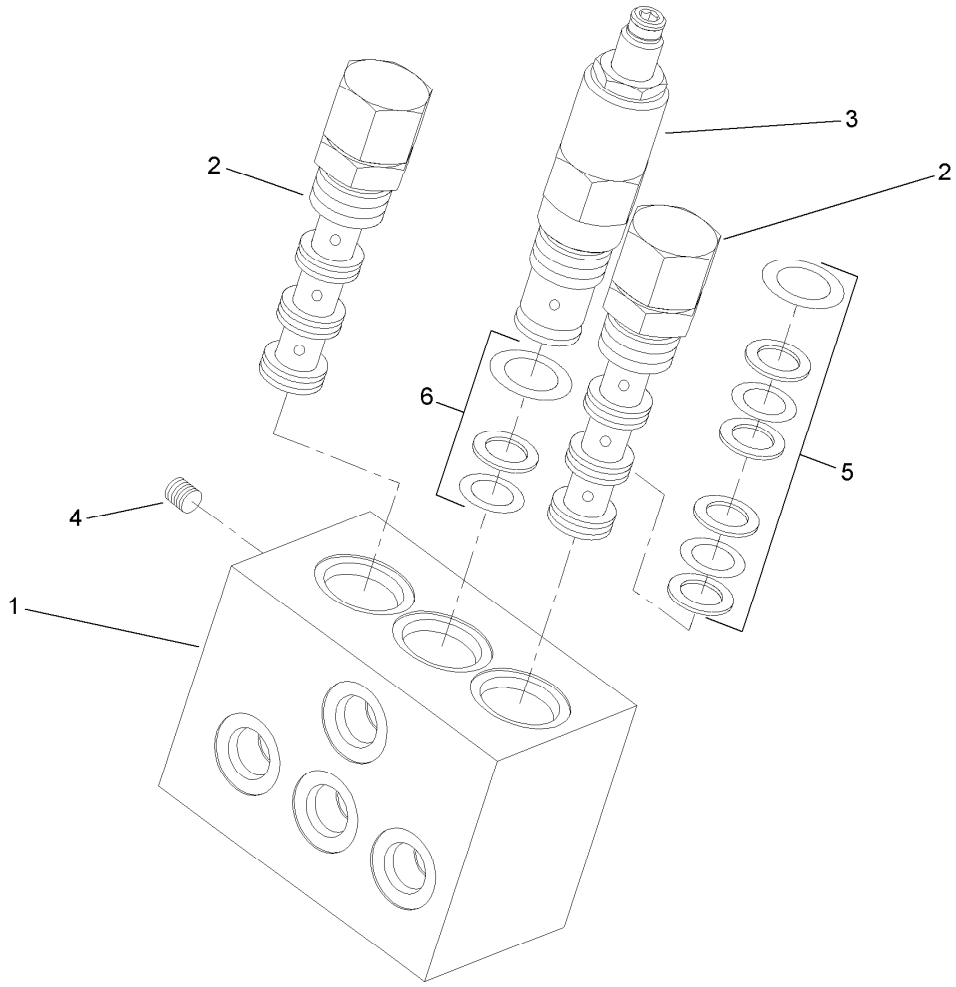


Control Valve Assembly No. 69-1780

Ref.	Part Number	Qty.	Description
1	60-3780	1	Seal Kit
1:1	58-6790	3	O-Ring
1:2	58-6720	3	O-Ring
1:3	60-5720	6	O-Ring
1:4	58-6310	6	Spacer
1:5	58-6750	1	O-Ring
1:6	58-6450	6	O-Ring
1:7	58-6460	3	Ring-Retaining
1:8	58-6290	3	Poppet
1:9	58-6340	3	O-Ring
1:10	58-6320	3	Wiper
1:11	58-6370	1	Washer
3		1	Spool ●
4	58-6330	3	Seat
4:1	58-6340	1	O-Ring
5	58-6350	3	Plug
5:1	60-5720	1	O-Ring
5:2	58-6370	1	Washer
6	58-6400	3	Bushing
7	58-6420	3	Cap
8	92-2568	1	Poppet
9	58-6470	1	Washer

Ref.	Part Number	Qty.	Description
10	58-6480	1	Washer
11	58-6490	1	Washer
12	65-2770	3	Washer
13	58-6710	1	Plug
13:1	58-6720	1	O-Ring
14	58-6730	3	Spring
15	58-6760	3	Spring
16	58-6770	3	Plunger
17	58-6780	3	Plug
17:1	58-6790	1	O-Ring
18	60-6450	1	Disc
19	84-6420	2	Plunger
20	69-1800	3	Plug ASM
20:1	60-5720	1	O-Ring
20:2	58-6370	1	Washer
21	69-1810	3	Spring
22	106-0267	1	Spring
23	69-1830	1	Plug ASM
23:1		1	Washer ●
23:2	58-6750	1	O-Ring
23:3		1	Nut-Lock ●
24	69-1840	1	Plunger

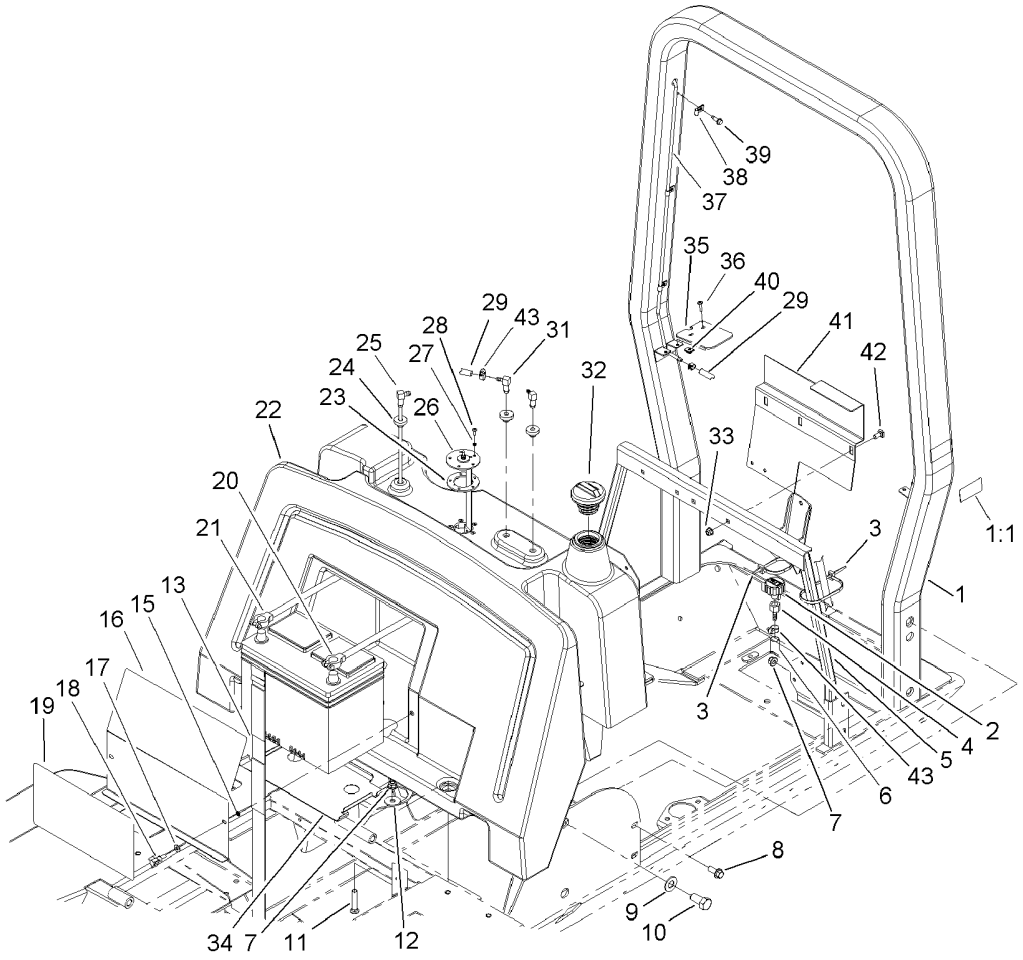
● Not serviced separately



Valve Assembly No. 104-0788

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold ●
2	104-4295	2	Valve-Pilot
3	104-4296	1	Valve-Relief
4		1	Plug-Expander ●
5	99-5502	2	Seal Kit
6	99-5503	1	Seal Kit

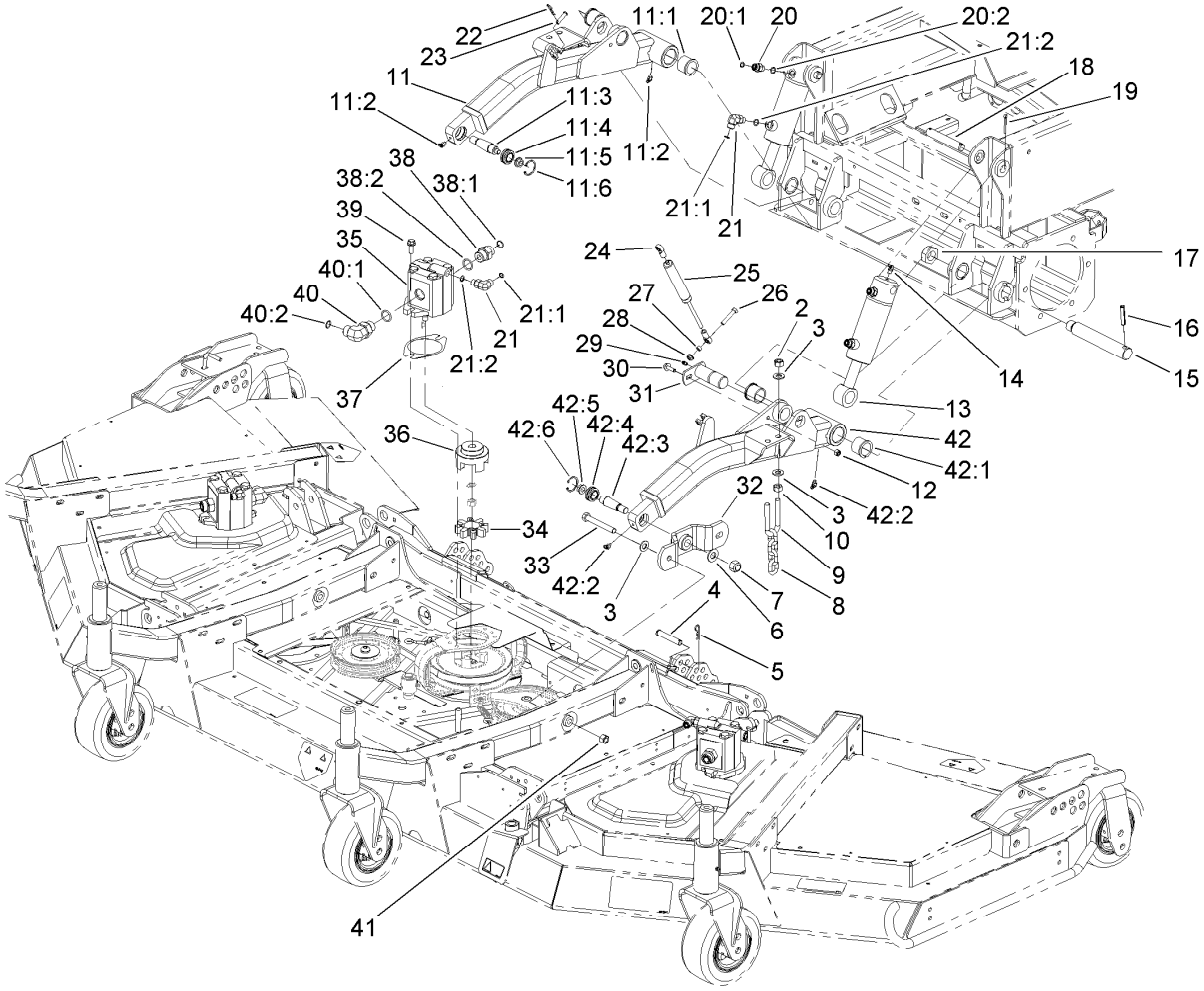
● Not serviced separately



Fuel Tank, Battery and Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	105-2849	1	ROPS ASM
1:1	105-2834	1	Decal-ROPS
2	68-6150	1	Breather
3	3290-378	2	Tie-Cable
4	354-95	1	Fitting-Straight
5	104-0714-03	1	Tank Support ASM
6	110-3259	1	Hose-Fuel
7	104-8301	6	Nut-HF, NI
8	3234-42	4	Screw-HHF
9	3256-27	4	Washer-Flat
10	327-3	4	Screw-HH
11	3231-6	2	Screw-CARR
12	63-8410	2	Washer
13	94-1445	1	Strap-Battery
15	32151-106	2	Ring-Retaining
16	104-0717-03	1	Cover-Battery
17	3256-22	2	Washer-Flat
18	233-70	2	Knob-Star, Three
19	105-7358	1	Decal-Service
20	104-0761	1	Cable-Negative
21	104-0760	1	Cable-Positive

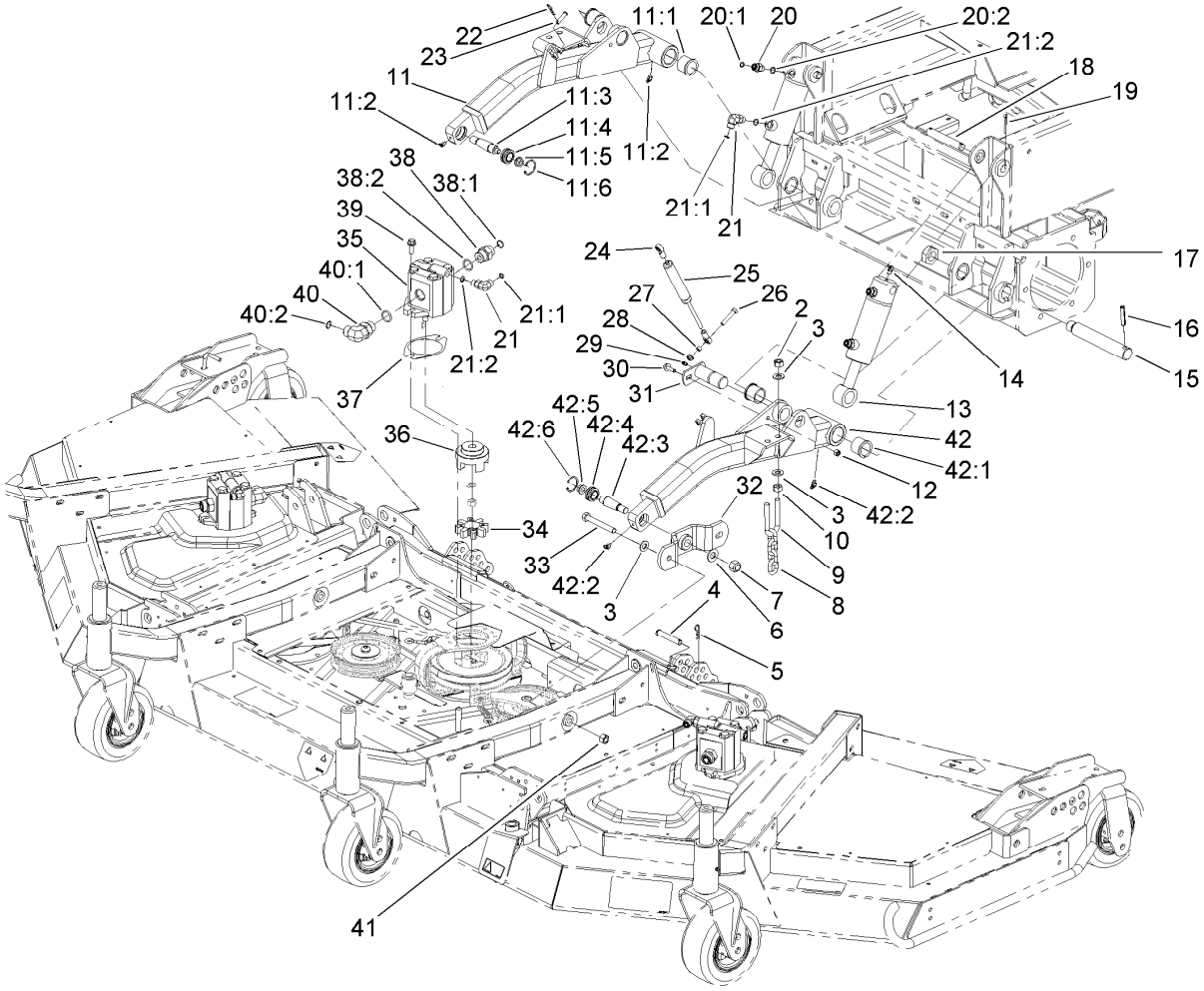
Ref.	Part Number	Qty.	Description
22	100-8119	1	Tank-Fuel
23	62-7650	1	Gasket
24	46-6560	3	Bushing
25	114-3836	1	Pipe-Stand
26	104-0700	1	Sender-Fuel
27	3253-15	5	Washer-Lock
28	32122-24	5	Screw-PTH
29	110-3255	1	Hose-Fuel
31	104-5228	2	Fitting-Elbow, 90 DEG
32	114-5054	1	Cap-Biodiesel
33	104-8300	2	Nut-HF, NI
34	105-0774-03	1	Plate-Battery
35	104-8319	2	Cover-Tank
36	3250-13	4	Screw-PPH
37	104-0718	1	Tube-Vent
38	2412-72	3	Clip-Closed, Insulated
39	32104-95	3	Screw-HWH
40	3290-191	4	Nut-Clip,U
41	104-2286-03	1	Bracket-Tank, Fuel
42	3230-1	2	Bolt-CARR
43	2412-108	3	Clamp-Worm



Front Deck Lift Arm and Cylinder Assembly

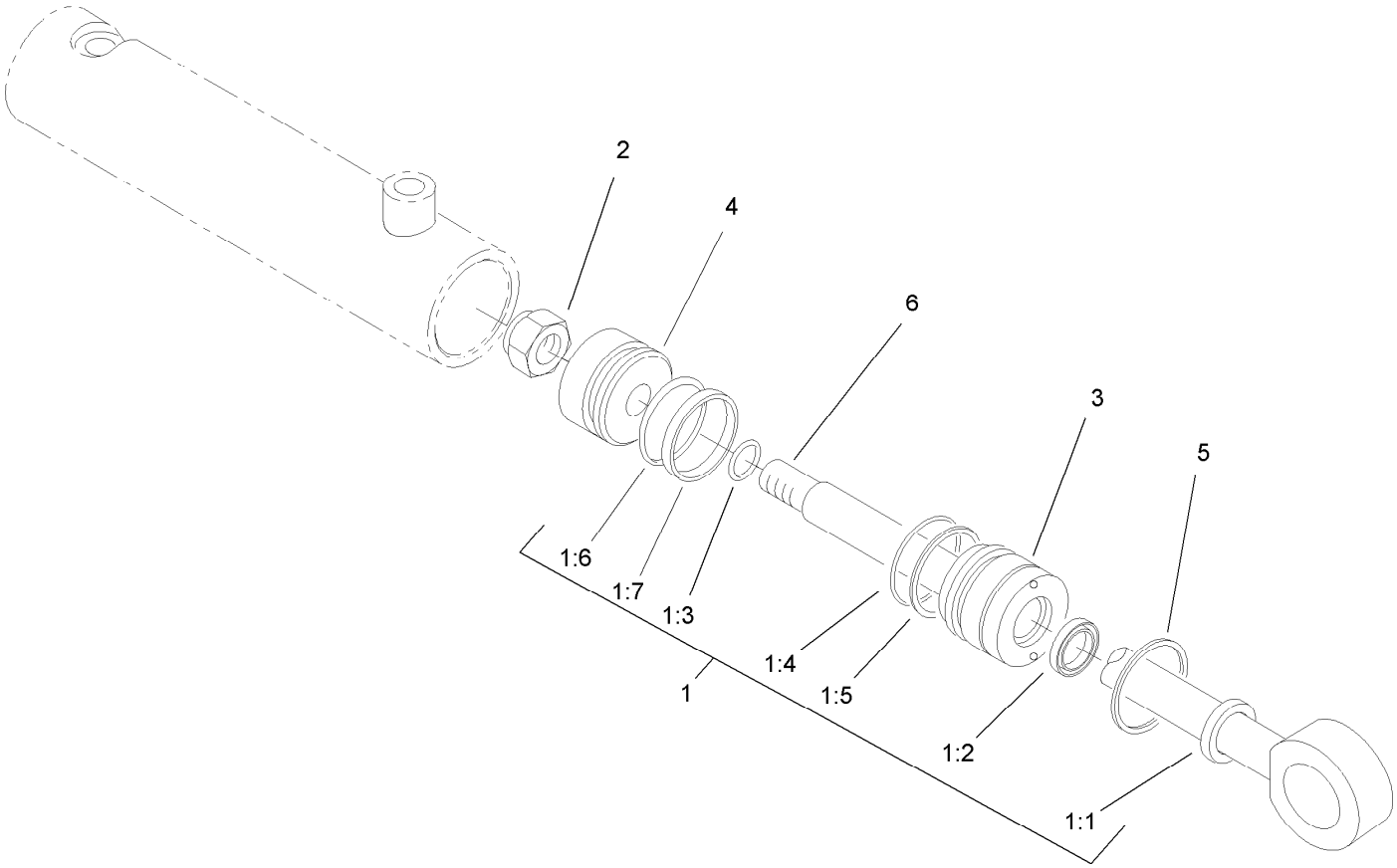
Ref.	Part Number	Qty.	Description
2	3296-25	4	Nut-Lock, NI
3	3256-26	12	Washer-Flat
4	283-55	2	Pin-Clevis
5	3290-467	2	Pin-Hair
6	86-1440	2	Washer-Flat
7	3296-41	2	Nut-Lock NI
8	95-6231	2	Chain-HOC
9	104-0108	2	U-Bolt
10	3217-9	4	Nut-HH
11	105-7345	1	RH Arm ASM
11:1	104-0015	2	Bushing-Flange
11:2	302-11	2	Fitting-Lube, 45 DEG
11:3	105-7468	1	Stud-Tapered
11:4	105-7441	1	Bearing-Spherical
11:5	32128-42	1	Nut-HF
11:6	32151-34	1	Ring-Retaining
12	3296-29	2	Nut-Lock, NI
13	107-0189	2	HYD Cylinder ASM
14	302-33	2	Fitting-Grease
15	100-3017	2	Pin-Arm, Lift
16	32121-110	2	Pin-Roll, Slotted
17	3296-49	2	Nut-Lock, NI
18	105-7456	2	Pin-Pivot
19	3272-23	4	Pin-Cotter
20	340-2	3	Fitting-Straight
20:1	237-22	1	O-Ring
20:2	237-42	1	O-Ring
21	340-77	4	Fitting-Elbow, 90 DEG

Ref.	Part Number	Qty.	Description
21:1	237-22	1	O-Ring
21:2	237-42	1	O-Ring
22	3290-467	2	Pin-Hair
23	283-6	2	Pin-Clevis
24	104-8331	4	End-Rod, Spherical
25	105-3249	2	Damper
26	322-9	2	Screw-HH
27	92-6998	2	Spacer-Yoke, Right
28	104-8300	2	Nut-HF, NI
29	302-5	2	Fitting-Grease
30	3234-29	2	Screw-HHF
31	105-7325	2	Pin
32	106-4336-01	2	Hub Support ASM
33	325-35	4	Screw-HH
34	104-3542	3	Spider
35	99-5489	3	Gear Motor ASM
36	104-3541	3	Hub-Spider
37	100-5638	3	Shim
38	340-8	3	Fitting-Straight
38:1	237-65	1	O-Ring
38:2	237-81	1	O-Ring
39	3234-42	6	Screw-HHF
40	340-139	3	Fitting-Elbow 90
40:1	237-81	1	O-Ring
40:2	237-65	1	O-Ring
41	32128-23	4	Nut-HF
42	105-7346	1	LH Arm ASM



Front Deck Lift Arm and Cylinder Assembly (continued)

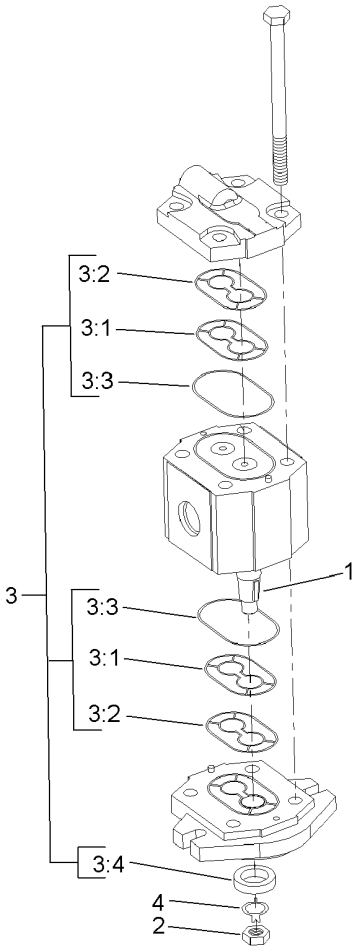
Ref.	Part Number	Qty.	Description
42:1	104-0015	2	Bushing-Flange
42:2	302-11	2	Fitting-Lube, 45 DEG
42:3	105-7468	1	Stud-Tapered
42:4	105-7441	1	Bearing-Spherical
42:5	32128-42	1	Nut-HF
42:6	32151-34	1	Ring-Retaining



Hydraulic Cylinder Assembly No. 107-0189

Ref.	*Part Number*	*Qty.*	*Description*
1	107-0246	1	Seal Kit
1:1		1	Wiper ●
1:2		1	Seal ●
1:3		1	O-Ring ●
1:4		1	O-Ring ●
1:5		1	Back-Up ●
1:6		1	Seal W/Loader ●
1:7		1	Wear Ring ●
2		1	Locknut ●
3		1	Head ●
4		1	Piston ●
5		1	Ring, Retaining ●
6		1	Rod ASM ●

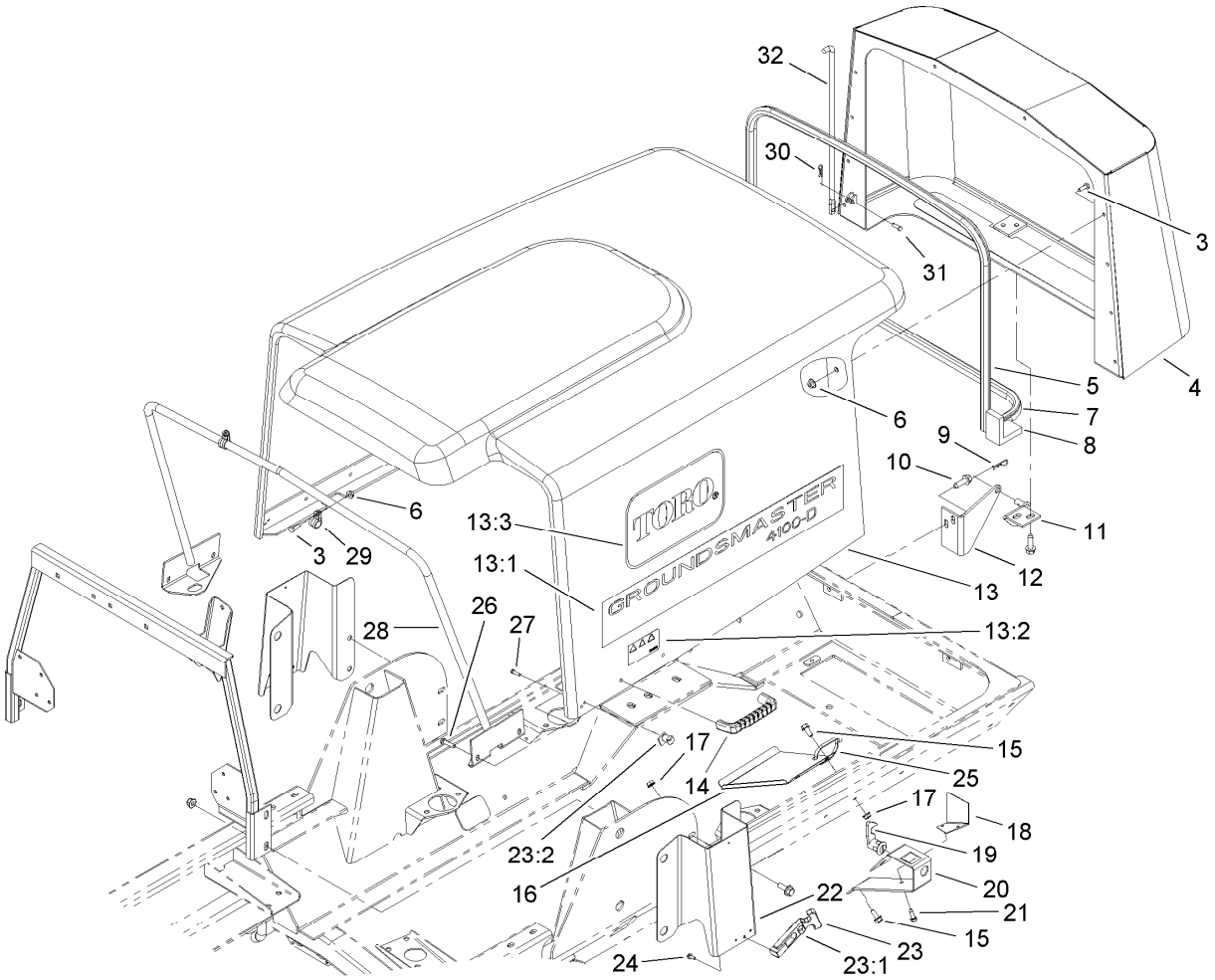
● Not serviced separately



Gear Motor Assembly No. 99-5489

Ref.	*Part Number*	*Qty.*	*Description*
1	3257-3	1	Key-Woodruff
2	110-8815	1	Nut-Hex
3	104-4284	1	Seal Kit
3:1		2	Anti-Ext Ring ●
3:2		2	Seal ●
3:3		2	O-Ring ●
3:4		1	Seal-Lip, Shaft ●
4	104-4283	1	Washer-Tab

● Not serviced separately

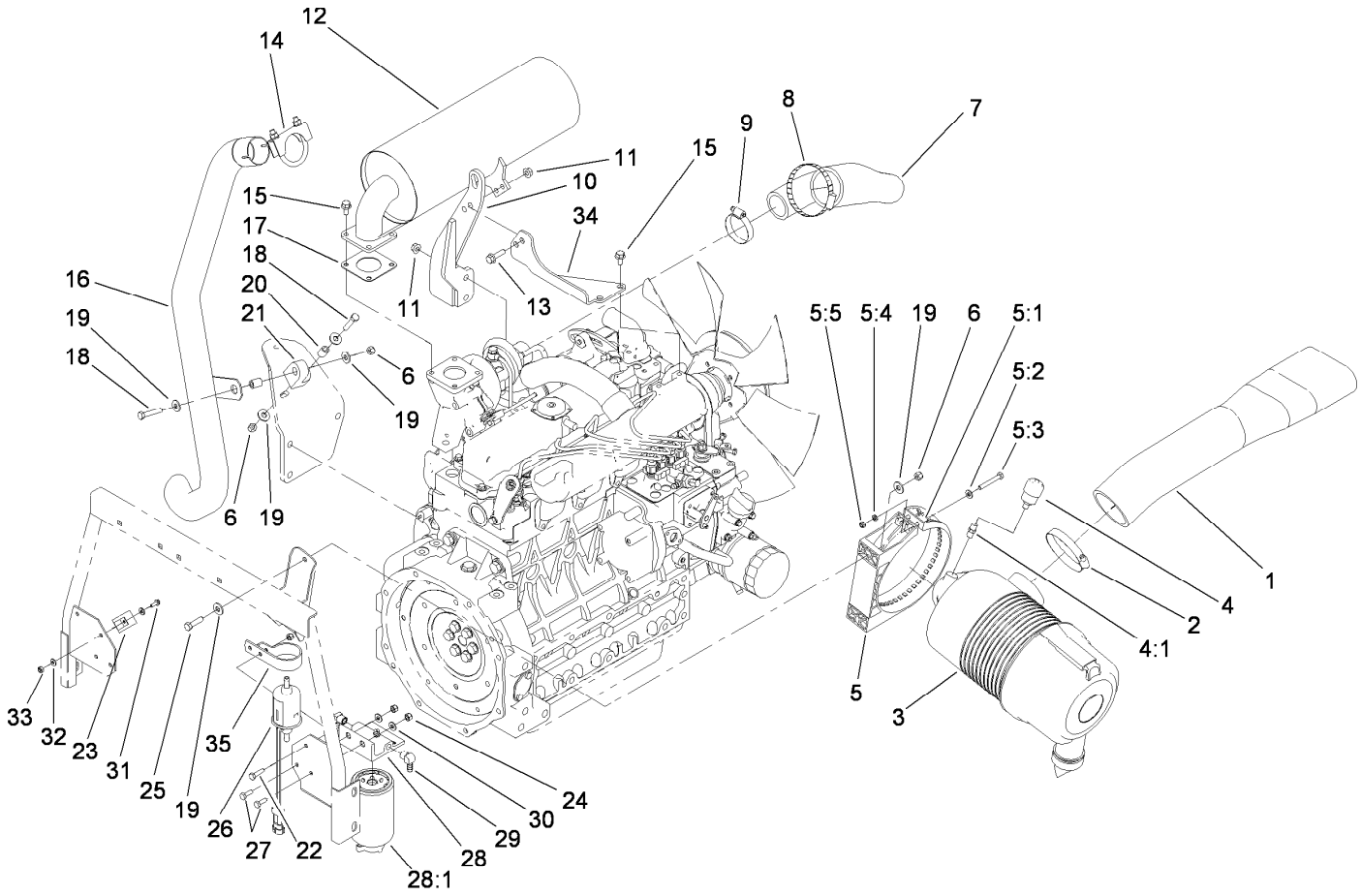


Hood Assembly

Ref.	Part Number	Qty.	Description
3	321-4	12	Screw-HH
4	100-5506-03	1	Screen ASM
5	104-2225	1	Seal-Bulb
6	32128-33	12	Nut-HF
7	104-3590	1	Seal-Bulb
8	104-3580	2	Seal-Corner, Screen
9	3290-467	2	Pin-Hair
10	32144-109	8	Screw-Thd Form HWH
11	104-3589	2	Pivot-Screen
12	104-3588-03	2	Pivot-Screen
13	105-7359	1	Hood ASM
13:1	105-7360	2	Decal-Hood
13:2	106-6754	1	Decal-Danger
13:3	66-1210	2	Decal
13:5	106-6776	1	Foil Tape Kit ●
14	65-5100	2	Handle-Door
15	3234-5	4	Screw-HHF
16	104-3560-03	1	Deflector-Filter, Oil
17	32128-20	4	Nut-HF

Ref.	Part Number	Qty.	Description
18	105-4531	1	Cover-Latch
19	98-5398	1	Latch
20	104-3591-03	1	Bracket-Latch, Hood
21	32104-95	2	Screw-HWH
22	105-7466-03	1	Bracket-Latch, RH
22	105-7467-03	1	Bracket-Latch, LH
23	94-5626	2	Flexible Draw Latch ASM
23:1	103-4080	1	Latch-Rubber
23:2	103-4081	1	Latch-Keeper
24	32144-1	4	Screw-Taptite
25	3290-378	1	Tie-Cable
26	46-8092	4	Screw-Plastite
27	32104-4	2	Screw
28	104-3505-03	1	Support-Hood
29	2412-134	2	Clamp-R
30	3290-307	1	Pin-Cotter
31	283-67	1	Pin-Clevis
32	104-8313	1	Rod-Hood

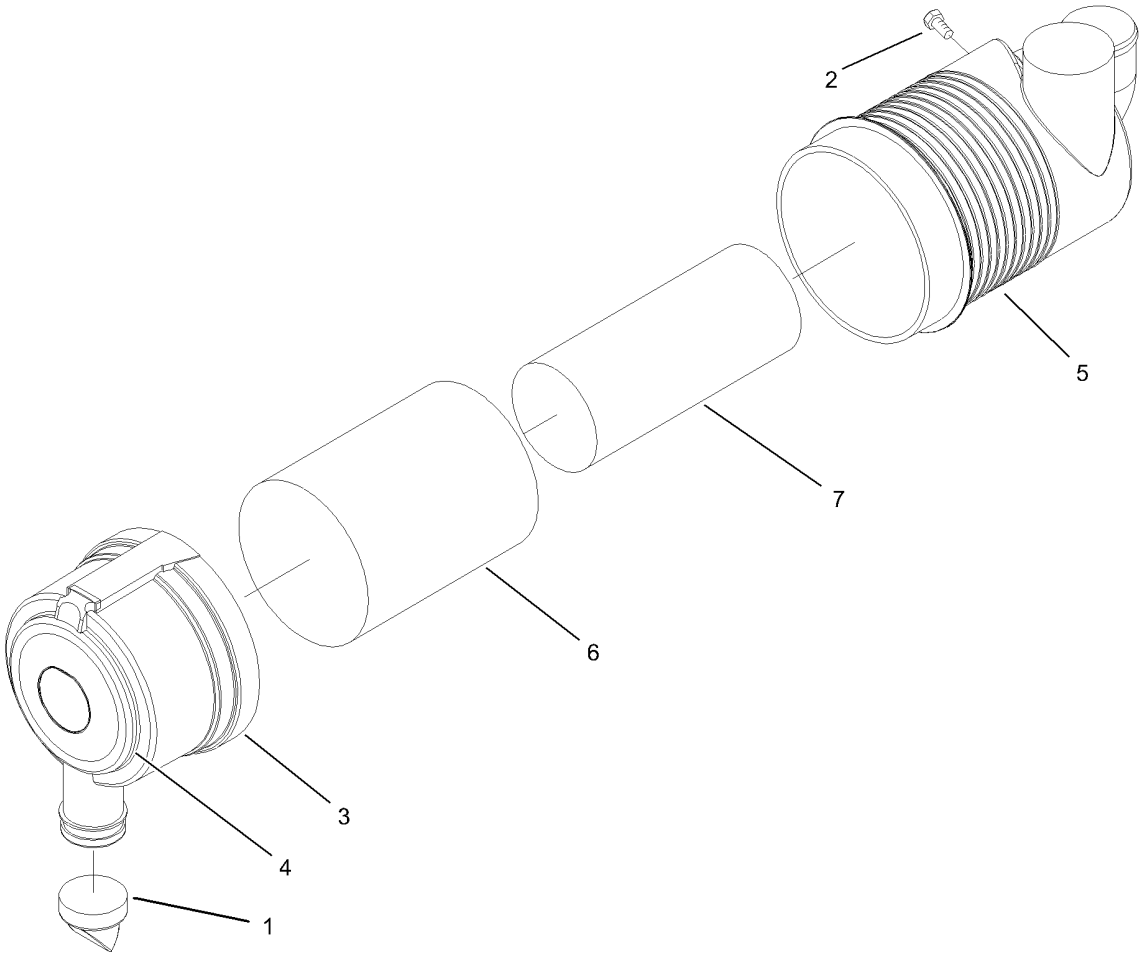
● Not illustrated



Air Cleaner and Muffler Assembly

Ref.	Part Number	Qty.	Description
1	100-5550	1	Hose-Cleaner, Air
2	2412-125	1	Clamp-Hose
3	99-5410	1	Air Cleaner ASM
4	104-3563	1	Indicator
4:1	94-1416	1	Adapter-Indicator
5	99-5414	1	Strap-Cleaner, Air
5:1	108-1512	2	Spring
5:2	3256-22	2	Washer-Flat
5:3	33113-050	2	Screw-HH
5:4	33093-00	2	Washer-Flat
5:5	33023-00	2	Nut-Lock
6	3296-29	4	Nut-Lock, NI
7	99-5415	1	Hose-Cleaner, Air
8	2412-110	1	Clamp-Band/Screw
9	2412-92	1	Clamp-Hose
10	112-9110-03	1	Exhaust Mount ASM
11	33004-00	4	Nut-HF
12	99-5424	1	Muffler-Turbo
13	33104-030	2	Screw-HHF
14	18-2130	1	Clamp
15	33104-016	6	Screw-HHF

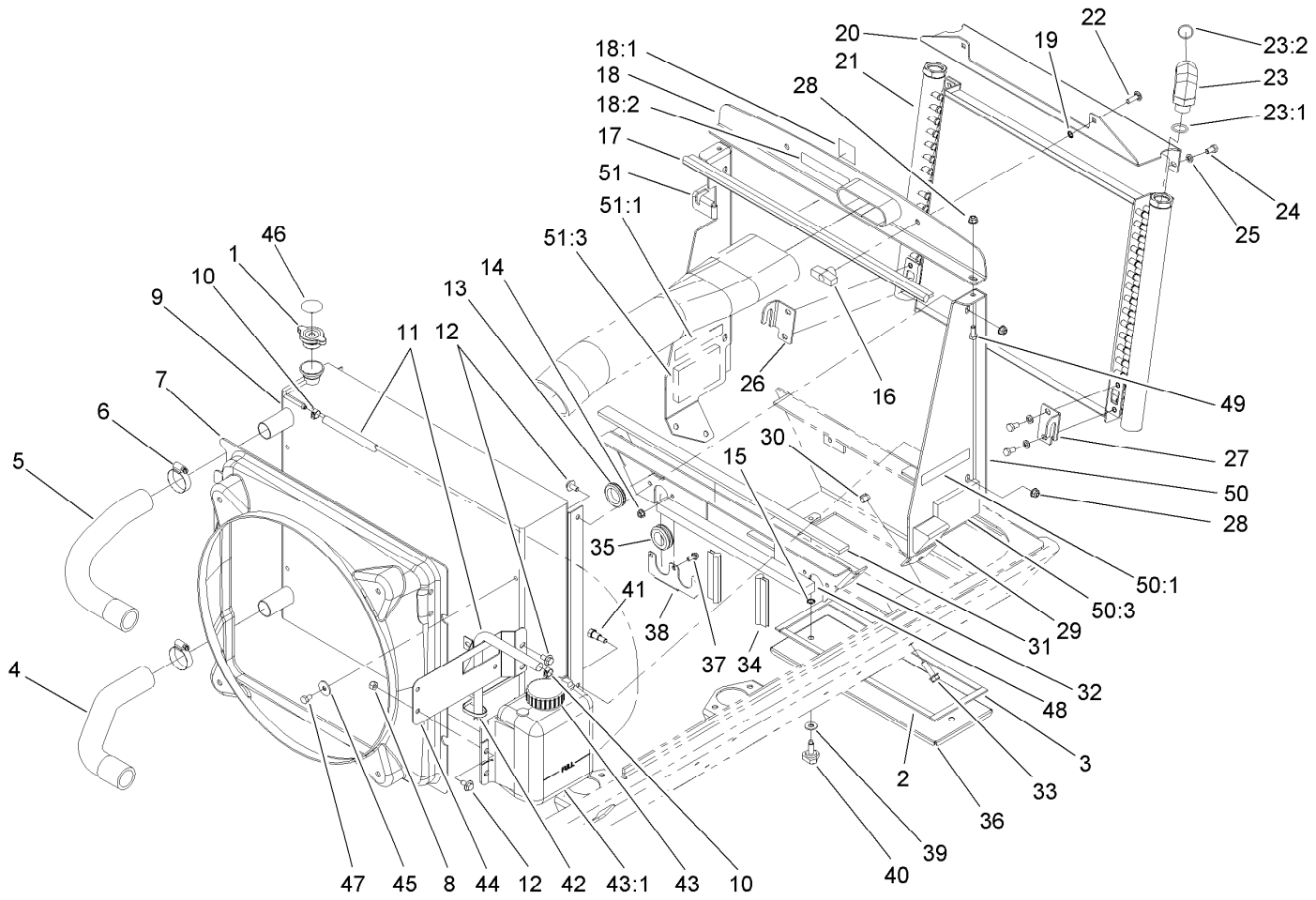
Ref.	Part Number	Qty.	Description
16	100-5610	1	Pipe-Exhaust
17	100-9333	1	Gasket-Muffler
18	322-9	2	Screw-HH
19	3256-3	8	Washer-Flat
20	93-5023	2	Spacer
21	95-5622	1	Hanger-Rubber
22	321-6	1	Screw-HH
23	99-7435	1	Relay
24	3296-42	3	Nut-Lock, NI
25	322-6	2	Screw-HH
26	110-8806	1	Pump-Fuel
27	321-4	2	Screw-HH
28	110-9044	1	Separator-Filter
28:1	110-9049	1	Filter-Spin On
29	353-781	2	Fitting-HYD, 90
30	3256-22	2	Washer-Flat
31	32105-2	1	Screw-SHWH
32	3256-14	2	Washer-Flat
33	3296-2	1	Nut-Lock, NI
34	112-9113-03	1	Mount-Exhaust
35	110-8817	1	Bracket-Pump, Fuel



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
4		1	Marking ●
5		1	Body ASM ●
6	108-3814	1	Filter-Air
7	108-3816	1	Filter-Air

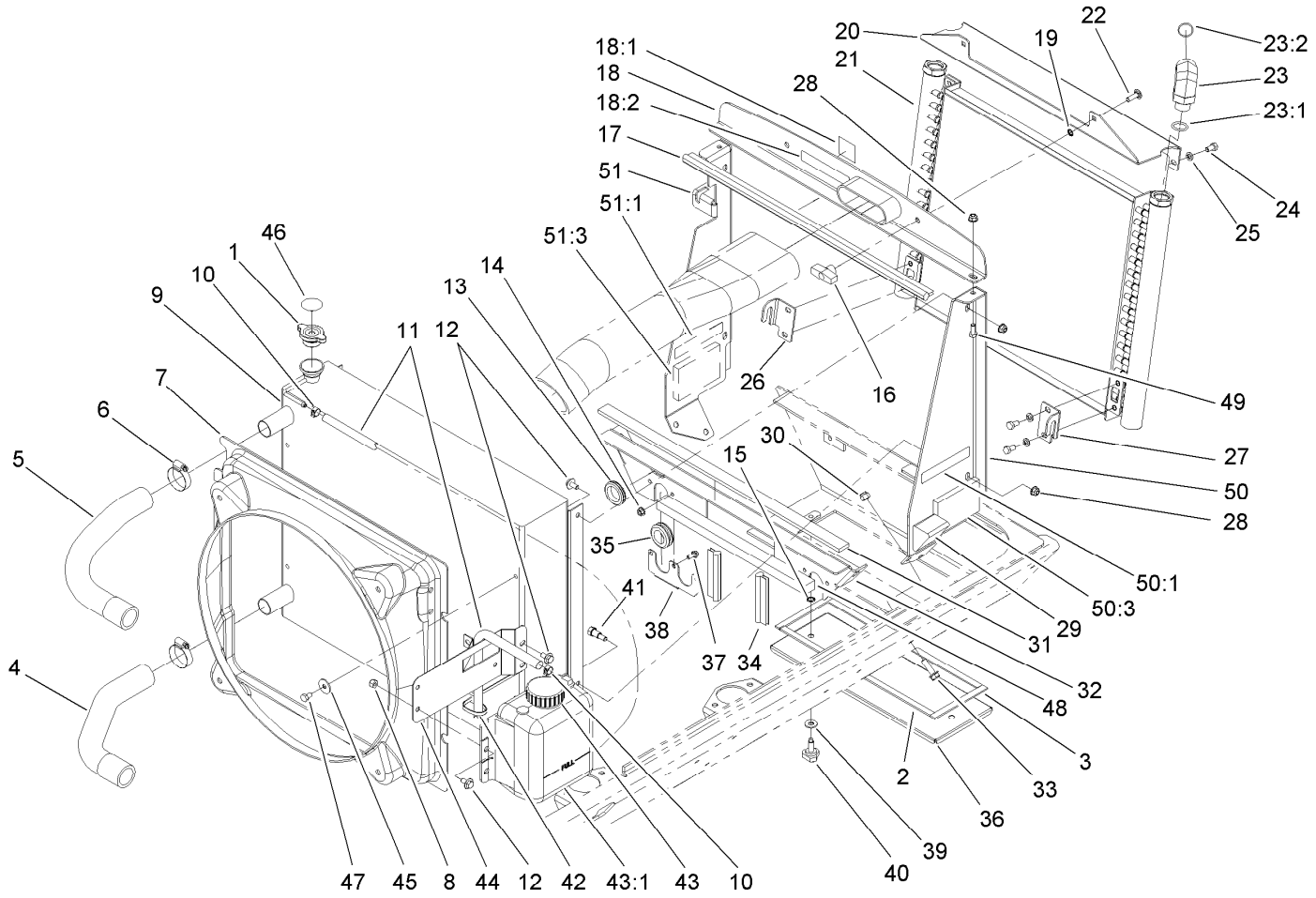
● Not serviced separately



Radiator, Oil Cooler and Support Assembly

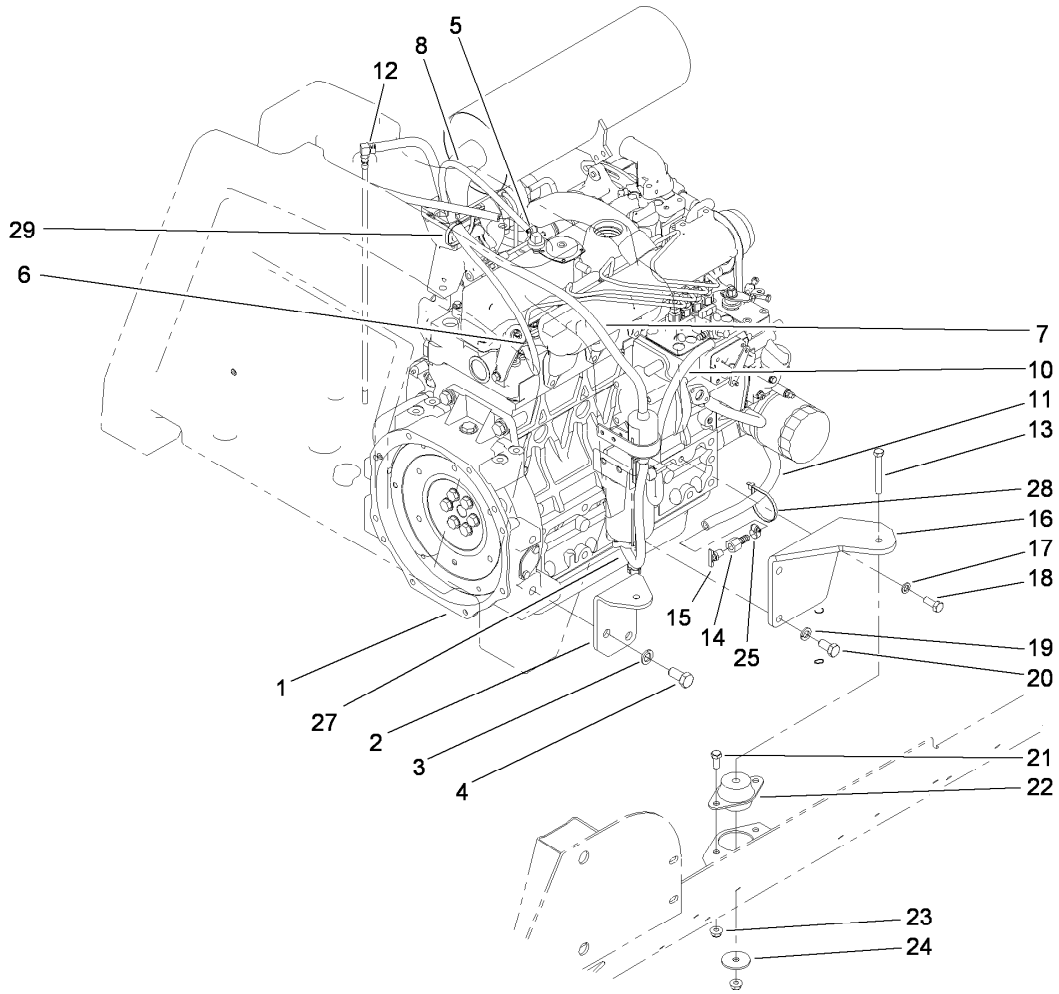
Ref.	Part Number	Qty.	Description
1	93-5957	1	Cap-Radiator
2	105-0777	2	Strip-Foam
3	105-0778	2	Strip-Foam
4	100-5546	1	Hose-Radiator, Lower
5	100-5547	1	Hose-Radiator
6	2412-111	4	Clamp
7	99-5428	1	Shroud-Radiator
8	3296-29	3	Nut-Lock, NI
9	107-0244	1	Radiator
10	92-2379	3	Clamp-Hose
11	110-3258	2	Hose-Fuel
12	3234-7	8	Screw-HHF
13	240-3	1	Grommet-Rubber
14	32128-33	4	Nut-HF
15	32151-72	2	Ring-Retaining
16	98-7134	2	Knob-Handle
17	104-2223	1	Seal-Bulb
18	107-4313	1	Radiator Top Support ASM
18:1	93-7275	1	Decal-Fluid, Starting
18:2	93-7272	1	Decal-Warning
19	104-8310	2	Ring-Retaining
20	110-6165-03	1	Bracket-Oil Cooler
21	110-0485	1	Cooler-Oil
22	3230-22	2	Screw-CARR
23	104-3796	2	Fitting-Elbow 90
23:1	237-81	1	O-Ring
23:2	340-65	1	O-Ring
24	322-2	6	Screw-HH

Ref.	Part Number	Qty.	Description
25	3253-4	6	Washer-Lock
26	110-6163-03	1	Bracket-Cooler, RH
27	110-6164-03	1	Bracket-Cooler, LH
28	104-8300	6	Nut-HF, NI
29	93-5954	2	Plug-Foam
30	3296-39	6	Nut-Lock, NI
31	104-2226	1	Strip-Foam
32	107-0200-03	1	Bracket-Base
33	3234-24	6	Screw-HHF
34	104-2224	2	Seal-Bulb
35	237-165	2	Grommet
36	104-2287-03	1	Cover-Frame
37	3234-33	4	Screw-HHF
38	106-6773-03	2	Plate
39	3256-3	2	Washer-Flat
40	95-9648	2	Knob
41	28-0540	2	Bolt-Shoulder
42	3290-378	1	Tie-Cable
43	104-2276	1	Reservoir-Coolant
43:1	87-7050	1	Cap-Reservoir
44	100-5505-03	1	Bracket-Tank
45	3256-82	4	Washer-Flat
46	106-6755	1	Decal-Cap, Radiator
47	322-1	4	Screw-HH
48	95-4231	1	Foam-Seal, Side Screen
49	322-3	2	Screw-HH
50	110-6169	1	LH Radiator Support ASM
50:1	93-7272	1	Decal-Warning



Radiator, Oil Cooler and Support Assembly (continued)

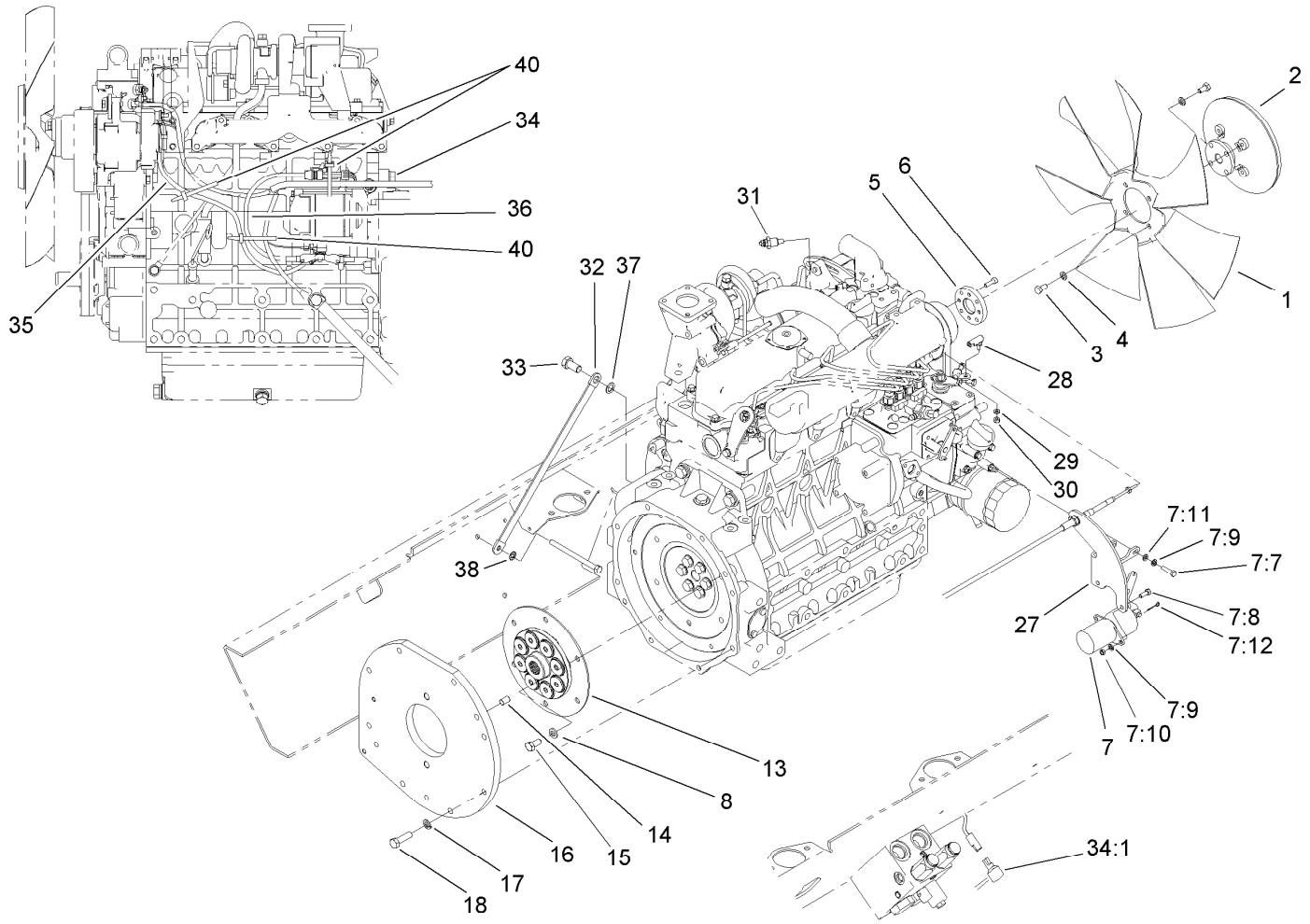
Ref.	Part Number	Qty.	Description
50:3	100-2196	1	Pad-Foam
51	110-6170	1	RH Radiator Support ASM
51:1	93-7272	1	Decal-Warning
51:3	100-2196	1	Pad-Foam



Engine, Mount and Fuel Line Assembly

Ref.	Part Number	Qty.	Description
1	107-4302	1	Engine-Turbo, Kubota
2	100-3147-03	1	Mount-Engine, LH
2	100-3148-03	1	Mount-Engine, RH
3	43-5950	4	Washer-Lock, Spring
4	43-3210	4	Screw-HH
5	2412-108	1	Clamp-Worm
6	2412-80	1	Clamp-Hose
7	110-3258	1	Hose-Fuel
8	110-3254	1	Hose-Fuel
10	106-1126	1	Hose-Fuel
11	99-7376	1	Hose-Breather
12	92-2379	6	Clamp-Hose
13	323-14	4	Screw-HH
14	354-94	1	Fitting-Female, Barbed
15	93-5528	1	Fitting-Cock, Drain

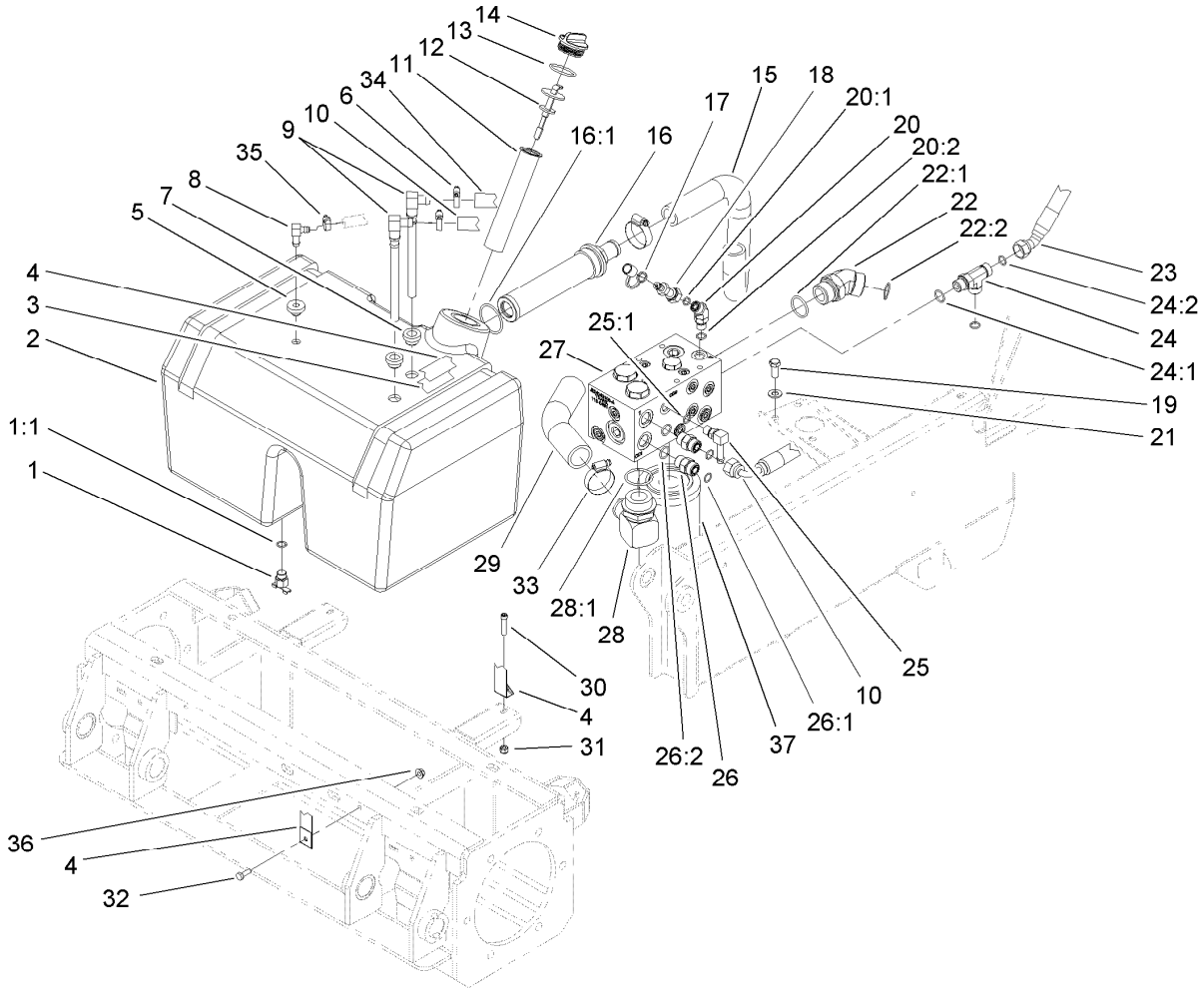
Ref.	Part Number	Qty.	Description
16	106-2049-03	1	Mount-Engine, LH
16	106-2048-03	1	Mount-Engine, RH
17	48-9590	1	Washer-Lock
18	43-0090	1	Screw-HH
19	48-8070	5	Washer-Lock
20	42-9250	5	Bolt
21	323-5	8	Screw-HH
22	53-9682	4	Mount-Engine
23	104-8301	12	Nut-HF, NI
24	63-7400	4	Washer-Rebound
25	2412-108	2	Clamp-Worm
27	109-0274	1	Hose-Fuel
28	3290-379	1	Tie-Cable
29	3290-378	1	Tie-Cable



Fan Drive and Flywheel Assembly

Ref.	Part Number	Qty.	Description
1	105-0750	1	Fan
2	112-5294	1	Clutch-Fan
3	322-2	8	Screw-HH
4	3253-4	8	Washer-Lock
5	100-3066	1	Adapter-Fan
6	52-6290	4	Screw-HSH
7	98-3817	1	Solenoid Kit
7:7	33113-025	3	Screw-HH
7:8	33113-016	2	Screw-HH
7:9	48-8020	5	Washer-Spring
7:10	33013-00	2	Nut-Hex
7:11	33093-00	3	Washer-Flat
7:12	3272-2	1	Pin-Cotter
8	107-1413	6	Washer-Hardened
13	110-6179	1	Coupler-Flywheel
14	98-1212	2	Pin-Plate, Pump
15	63-7790	6	Screw-Cap
16	108-1544-03	1	Plate-Adapter
17	48-9590	8	Washer-Lock
18	56-2140	8	Screw-HH
27	104-7540-03	1	Support-Cable
28	2411-38	1	Joint-Ball
29	3256-51	1	Washer-Flat
30	3296-21	1	Nut-Hex
31	98-9346	1	Sender-Temperature
32	18-2770	1	Cable-Ground
33	42-9250	1	Bolt
34	114-9758	1	Harness-Wire, Engine
34:1	100-4918	1	Diode
35	100-5552	1	Harness-Wire
36	99-3441	1	Harness-Wire, Fusible Link
37	3255-2	1	Washer-Lock, EXT
38	3255-8	1	Washer-Lock
40	3290-378	2	Tie-Cable
99	33023-00	1	Nut-Lock ●

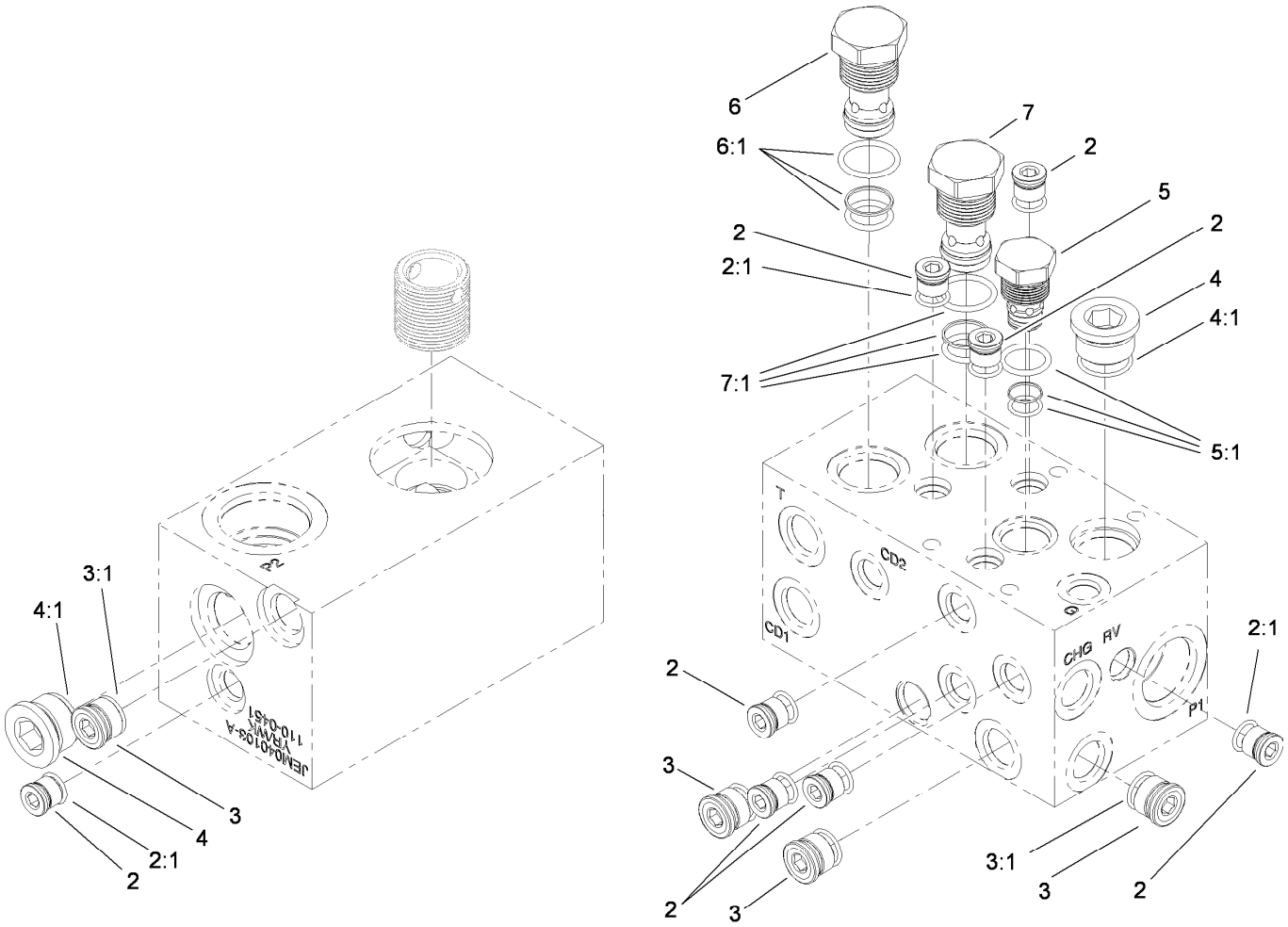
● Not illustrated



Hydraulic Reservoir and Filter Assembly

Ref.	Part Number	Qty.	Description
1	104-8334	1	Petcock
1:1	237-42	1	O-Ring
2	104-0703	1	Reservoir-HYD
3	93-5273	2	Strap-Felt
4	104-0794	2	Strap
5	46-6560	1	Bushing
6	2412-36	2	Clamp-Hose
7	104-0790	2	Bushing
8	46-6550	1	Fitting-Elbow, 90 DEG
9	104-0791	2	Pipe-Stand
10	100-5522	1	Hose ASM
11	61-2790	1	Filter-Screen
12	105-2812	1	Dipstick
13	94-8166	1	O-Ring
14	93-7498	1	Plug-Plastic
15	100-5528	1	Hose-Suction
16	104-7546	1	Tank Strainer ASM
16:1	340-136	1	O-Ring
17	354-79	1	Cap-Dust
18	86-5480	1	Nipple-Test
19	323-5	3	Screw-HH
20	340-87	1	Fitting-Elbow, 45 DEG
20:1	237-22	1	O-Ring
20:2	237-42	1	O-Ring
21	3256-24	3	Washer-Flat

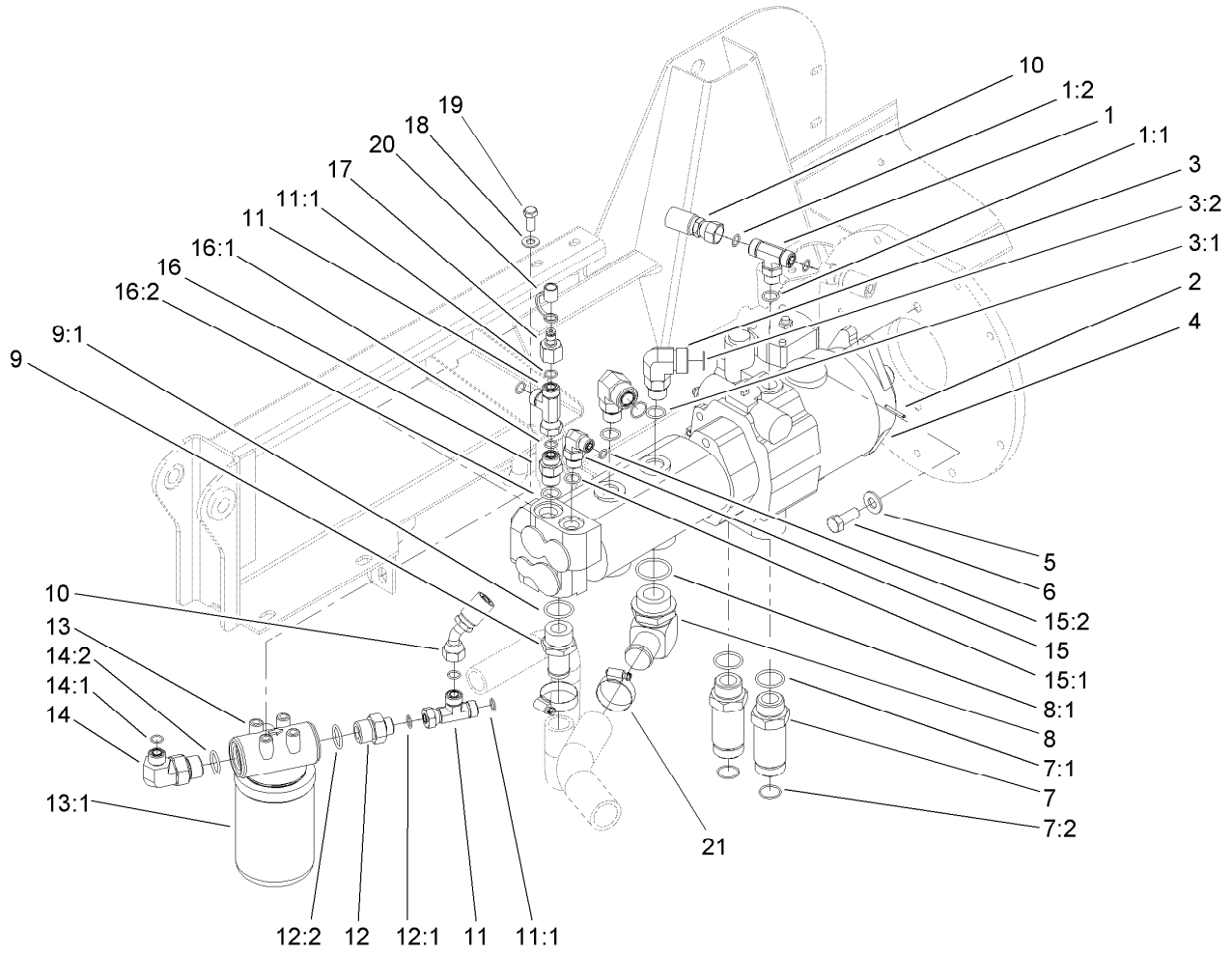
Ref.	Part Number	Qty.	Description
22	104-3509	1	Fitting-HYD, 45 DEG
22:1	237-146	1	O-Ring
22:2	340-65	1	O-Ring
23	100-5521	1	Hose ASM
24	340-109	1	Fitting-Tee
24:1	237-79	1	O-Ring
24:2	237-30	2	O-Ring
25	100-4887	1	Fitting-Elbow, 90
25:1	237-42	1	O-Ring
26	340-4	2	Fitting-Straight
26:1	237-30	1	O-Ring
26:2	237-79	1	O-Ring
27	110-0451	1	Manifold-Filter
28	92-7526	1	Fitting-HYD 90 Spcl
28:1	237-101	1	O-Ring
29	104-0728	1	Hose-Filter
30	3274-51	2	Screw-HSH
31	3296-42	2	Nut-Lock, NI
32	321-4	2	Screw-HH
33	2412-111	2	Clamp
34	110-6151	1	Hose
35	2412-108	1	Clamp-Worm
36	32128-33	2	Nut-HF
37	94-2621	1	Element-Filter



Filter Manifold Assembly No. 110-0451

Ref.	*Part Number*	*Qty.*	*Description*
2	106-1026	8	Plug-HYD
2:1	237-42	1	O-Ring
3	106-1027	4	Plug-HYD
3:1	237-79	1	O-Ring
4	106-1029	2	Plug-Leak, Zero
4:1	237-81	1	O-Ring
5	110-0469	1	Valve-Check, 180 PSI
5:1	105-9159	1	Seal Kit
5:1:1		1	O-Ring ●
5:1:2		1	Ring-Back Up ●
6	110-0468	1	Valve-Check, 5 PSI
6:1	110-0470	1	Seal Kit
7	110-0467	1	Valve-Check, 40 PSI
7:1	110-0470	1	Seal Kit

● Not serviced separately

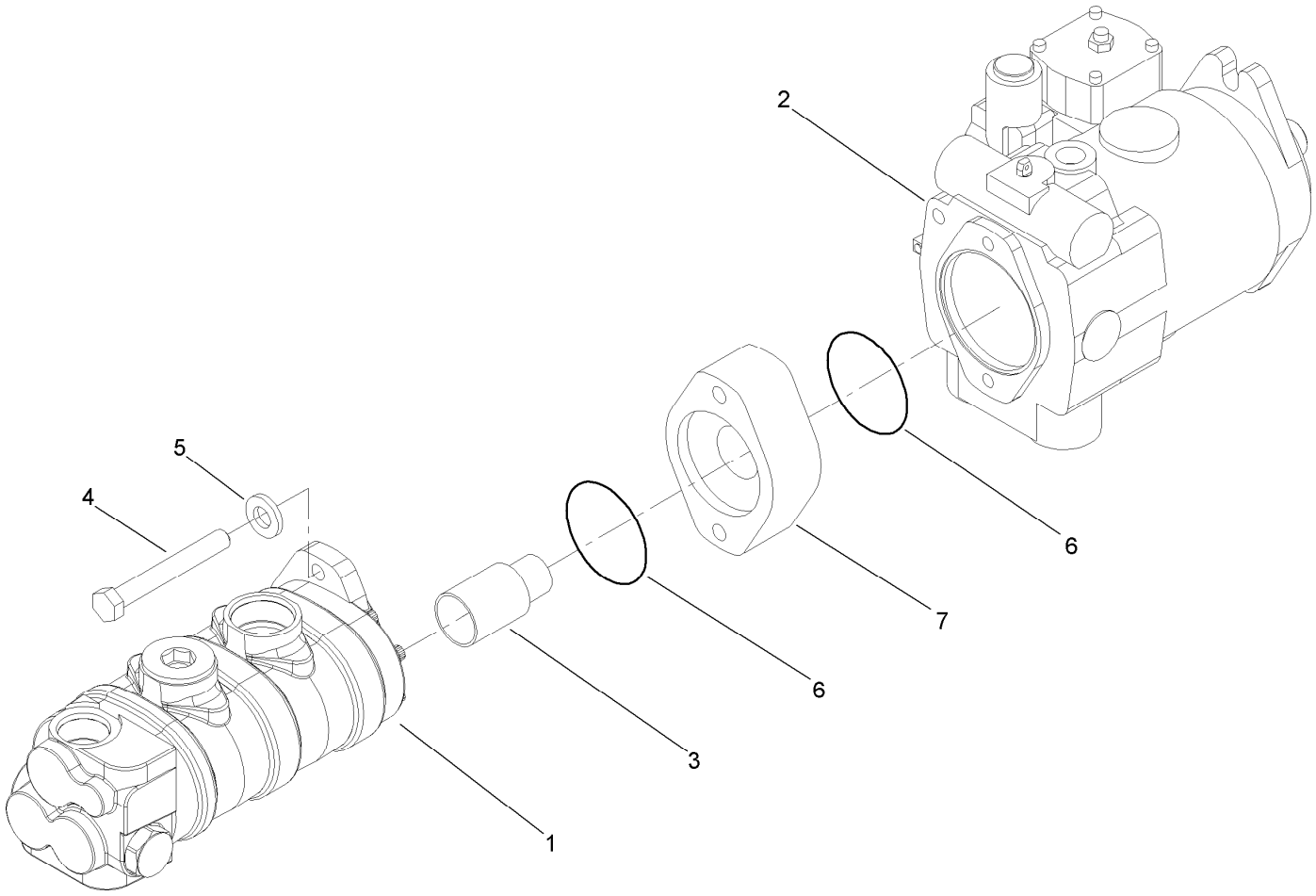


Pump and Filter Installation Assembly

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	32121-77	1	Pin-Roll
3	340-16	2	Fitting-HYD, 90 DEG
3:1	237-80	1	O-Ring
3:2	237-58	1	O-Ring
4		1	Pump ASM ●
5	110-6147	2	Washer-Flat
6	3213-2	2	Screw-HH
7	100-5565	2	Fitting-STR
7:1	237-146	1	O-Ring
7:2	340-65	1	O-Ring
8	92-7526	1	Fitting-HYD 90 Spcl
8:1	237-101	1	O-Ring
9	354-78	1	Fitting-STR
9:1	237-146	1	O-Ring
10	100-5521	1	Hose ASM
11	340-104	2	Fitting-HYD, Tee
11:1	237-30	2	O-Ring

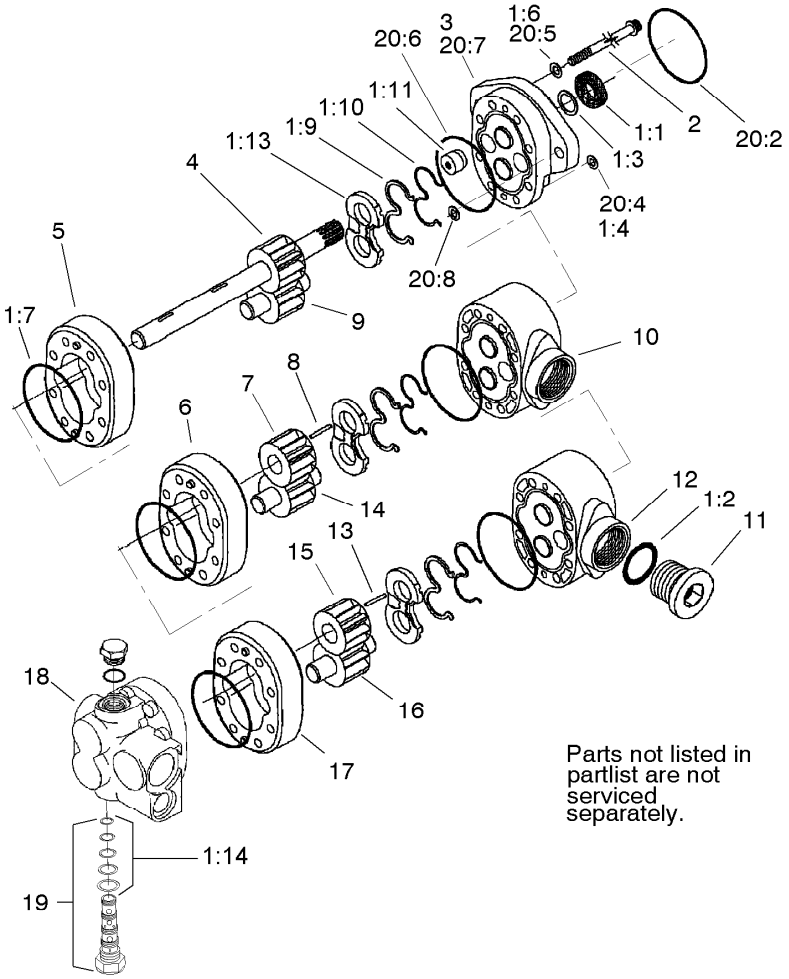
Ref.	Part Number	Qty.	Description
12	100-4240	1	Fitting-STR
12:1	237-30	1	O-Ring
12:2	237-81	1	O-Ring
13	93-2242	1	Filter-Oil
13:1	75-1310	1	Filter-HYD
14	340-131	1	Fitting-HYD, 90 DEG
14:1	237-30	1	O-Ring
14:2	237-81	1	O-Ring
15	340-18	1	Fitting-HYD, 90 DEG
15:1	237-79	1	O-Ring
15:2	237-22	1	O-Ring
16	340-6	1	Fitting-Straight
16:1	237-30	1	O-Ring
16:2	237-80	1	O-Ring
17	100-5616	1	Fitting
18	3256-24	2	Washer-Flat
19	323-5	2	Screw-HH
20	354-79	1	Cap-Dust
21	2412-111	2	Clamp

● Not serviced separately



Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	108-1549	1	Gear Pump ASM
2	108-1547	1	Pump-Piston
3	74-9030	1	Coupler
4	323-32	2	Screw-HH
5	105-9762	2	Washer
6	60-3520	2	O-Ring
7	105-2869	1	Spacer

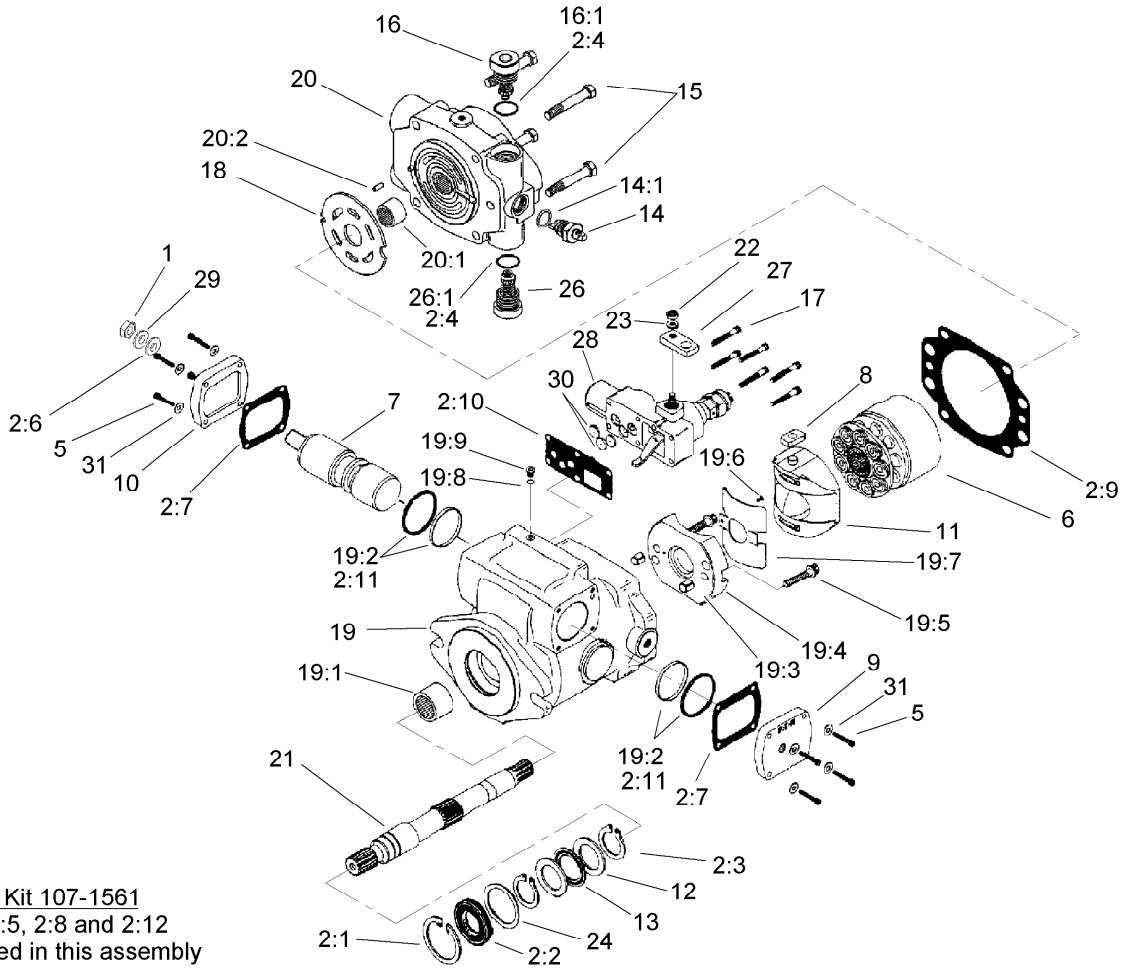


Gear Pump Assembly No. 108-1549

Ref.	Part Number	Qty.	Description
1	108-1504	1	Seal Kit ●
1:1	49-2640	1	Seal-Shaft
1:2		1	Seal-Dust ■
1:3		1	Washer ■
1:4		4	Washer ■
1:5		1	Ring-Retaining ■ ●
1:6		6	Crush Washer ■
1:7		6	O-Ring, Molded ■
1:8		6	Sealing Washer ■ ●
1:9		3	Pressure Balance Seal ■
1:10		3	Back-Up Gasket ■
1:11		1	Plug ■ ●
1:12		1	Thrust Plate ■
1:13		3	Wear Plate ■
1:14	108-1539	1	Cartridge Valve Seal Kit
2	106-6872	8	Screw-Cap
3		1	Front Plate ASM ■
4		1	Drive Gear ASM ■
5		1	Body ■
6		1	Body ■
7		1	Gear ■
8		1	Key ■
9		1	Gear-Idler ■
10		1	Plate-Adaptor ■
11	94-3013	1	Plug
11:1		1	Seal-Dust ■
12		1	Plate-Adaptor ■
13		1	Key ■
14		1	Gear-Idler ■
15		1	Gear ■
16		1	Gear-Idler ■
17		1	Body ■
18		1	Backplate ASM ■
19	107-1970	1	Valve-Proportional
20	107-4328	1	Front Plate Kit
20:2		1	Seal-Dust ■
20:4		4	Washer ■
20:5		4	Washer-Crush ■
20:6		1	Seal-Dust ■
20:7		1	Plate-Front ■
20:8		2	Washer ■

● Not illustrated

■ Not serviced separately



Seal Kit 107-1561
items 2:5, 2:8 and 2:12
are not used in this assembly

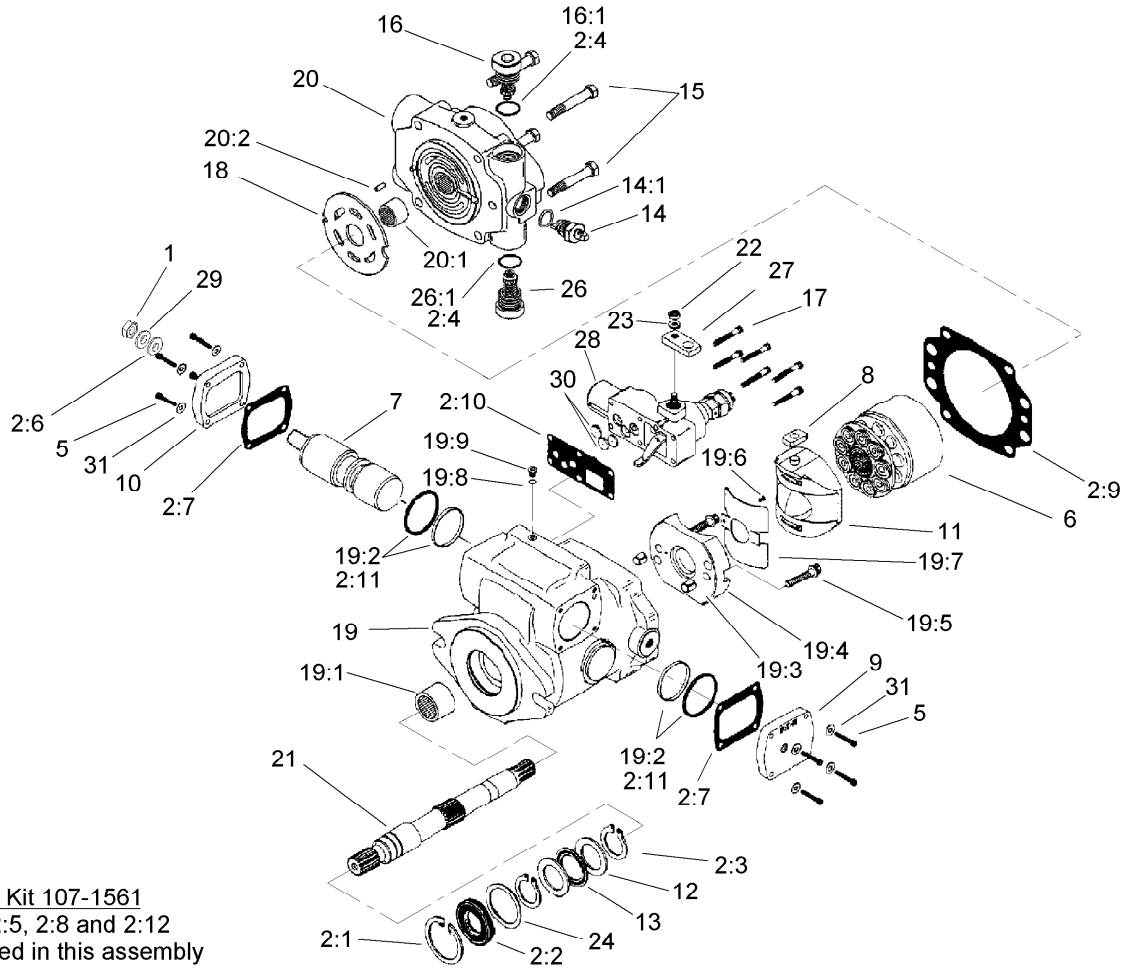
Piston Pump Assembly No. 108-1547

Ref.	Part Number	Qty.	Description
1	3220-2	1	Nut-Jam
2	107-1561	1	Seal Kit
2:1	60-6260	1	Ring
2:2	105-3331	1	Seal-Shaft
2:3	76-7000	2	Ring-Retaining
2:4		2	O-Ring ■
2:5	93-6314	2	O-Ring ●
2:6	94-3027	1	Washer-Seal
2:7	93-6339	2	Gasket
2:8	105-2905	1	O-Ring ●
2:9	105-2900	1	Gasket-Housing
2:10	105-2901	1	Gasket-Housing, Control
2:11		2	Seal ASM ■
2:12	74-9380	1	O-Ring ●
5	3274-81	8	Screw-HSH
6	99-8701	1	Rotating Kit
7	105-4572	1	Servo Piston ASM
8	94-3032	1	Follower-Piston
9	94-3033	1	Plate-Cover
10	105-9853	1	Plate-Cover
11	94-3026	1	Camplate ASM
12	76-6950	2	Race-Thrust
13	76-6960	1	Bearing-Thrust
14	105-2864	1	Valve-Bypass
14:1		1	O-Ring ■

Ref.	Part Number	Qty.	Description
15	323-45	4	Screw-HH
16	105-2857	1	Valve-Relief
16:1		1	O-Ring ■
17	3274-59	6	Screw-HSH
18	94-3022	1	Plate-Valve
19	105-2859	1	Housing ASM
19:1		1	Bearing ■
19:2		2	Seal ■
19:3		2	Dowel-Bushing ■
19:4		1	Cradle ASM ■
19:5		2	Washer ■
19:6		1	Washer ■
19:7		1	Bushing ■
19:8		1	O-Ring ■
19:9		1	Plug ■
20	105-2860	1	Backplate ASM
20:1		1	Bearing ■
20:2		1	Pin-Roll ■
21	105-2861	1	Shaft-Drive
22	3217-5	1	Nut-Hex
23	3253-3	1	Washer-Lock
24	60-6240	1	Washer
26	105-2858	1	Valve-Relief
26:1		1	O-Ring ■
27	105-2862	1	Arm-Control

● Not illustrated

■ Not serviced separately



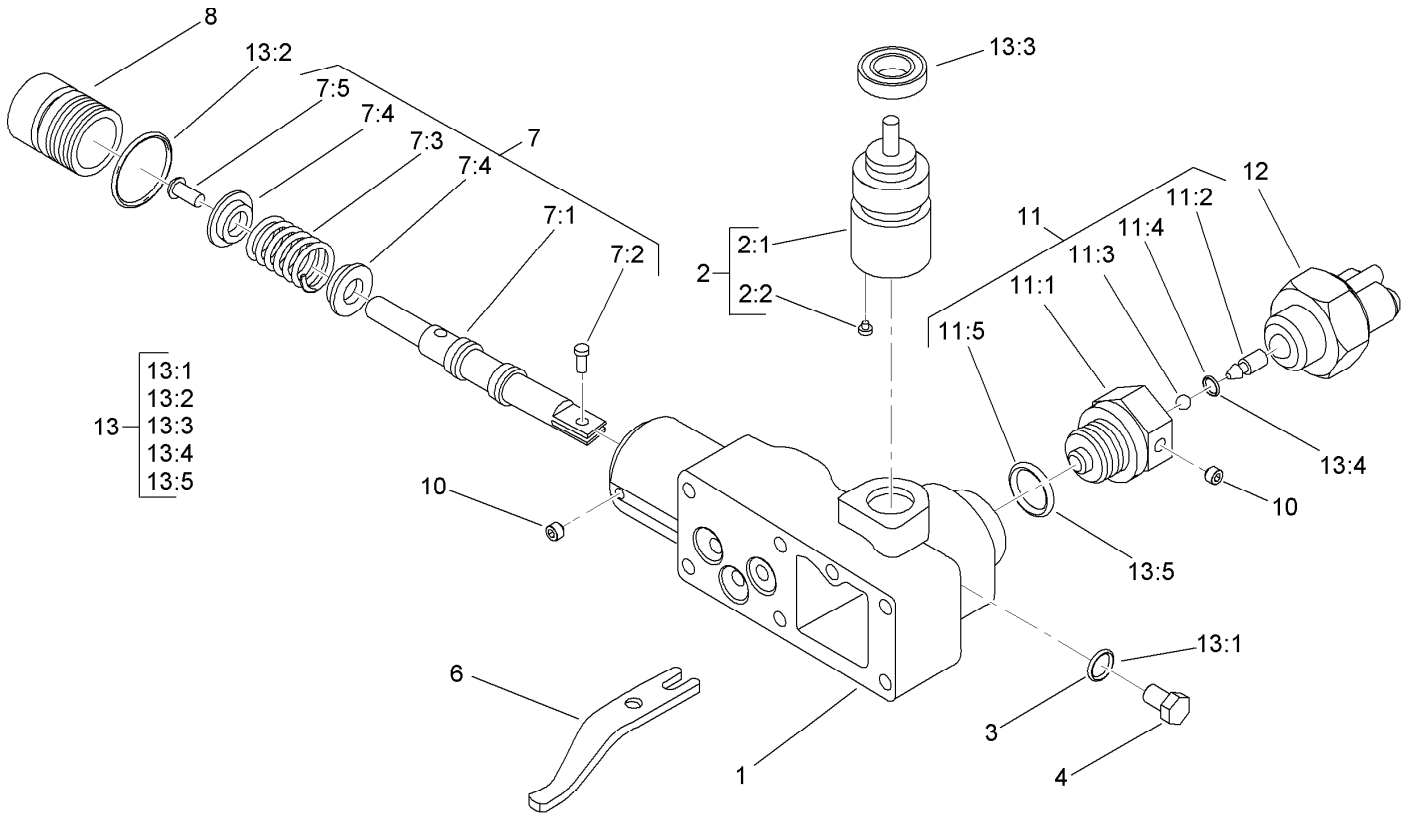
Seal Kit 107-1561
items 2:5, 2:8 and 2:12
are not used in this assembly

Piston Pump Assembly No. 108-1547 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
28	108-1503	1	Manual Servo Control ASM
29	94-3030	1	Washer
30	105-2863	3	Orifice
31	3256-77	8	Washer-Flat

● Not illustrated

■ Not serviced separately

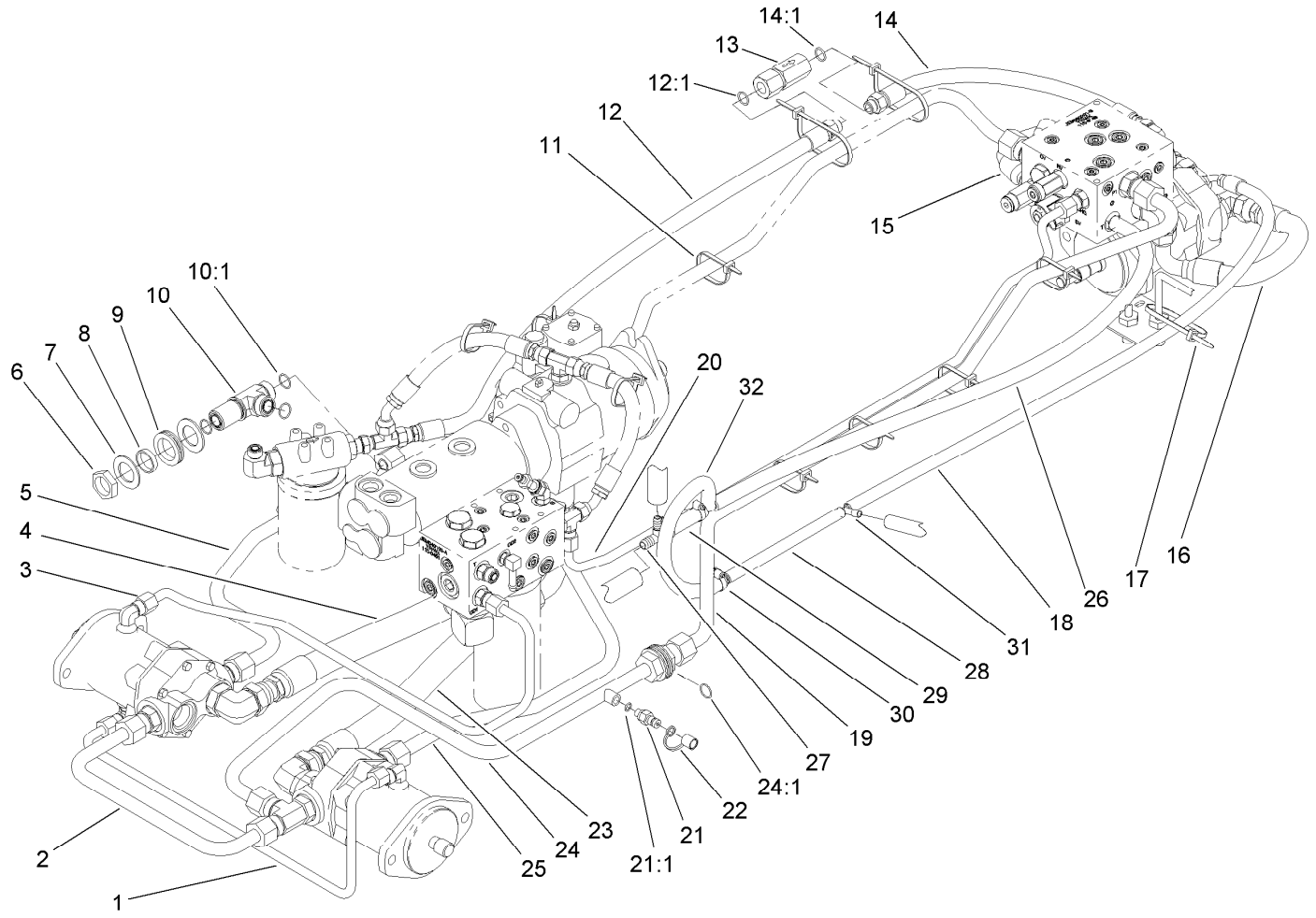


Control Assembly No. 108-1503

Ref.	Part Number	Qty.	Description
1		1	Housing-Control ●
2	108-7099	1	Input Control Shaft ASM
2:1		1	Shaft ●
2:2		1	Pin ●
3		1	O-Ring ●
4		1	Plug ●
6		1	Link-Feedback ●
7	108-7098	1	Valve Spool ASM
7:1		1	Valve-Spool ●
7:2		1	Pin-Dowel ●
7:3		1	Spring ●
7:4		2	Retainer ●
7:5		1	Washer ●
8		1	Plug ●

Ref.	Part Number	Qty.	Description
10		2	Screw-Set ●
11	108-8003	1	Adaptor ASM
11:1		1	Adaptor-Lockout, Neutral ●
11:2		1	Pin ●
11:3		1	Ball ●
11:4		1	O-Ring ●
11:5		1	O-Ring ●
12	94-3043	1	Switch-Safety, Neutral
13	94-3044	1	Seal Kit
13:1		1	O-Ring ●
13:2		1	O-Ring ●
13:3		1	Seal-Wiper ●
13:4		1	O-Ring ●
13:5		1	O-Ring ●

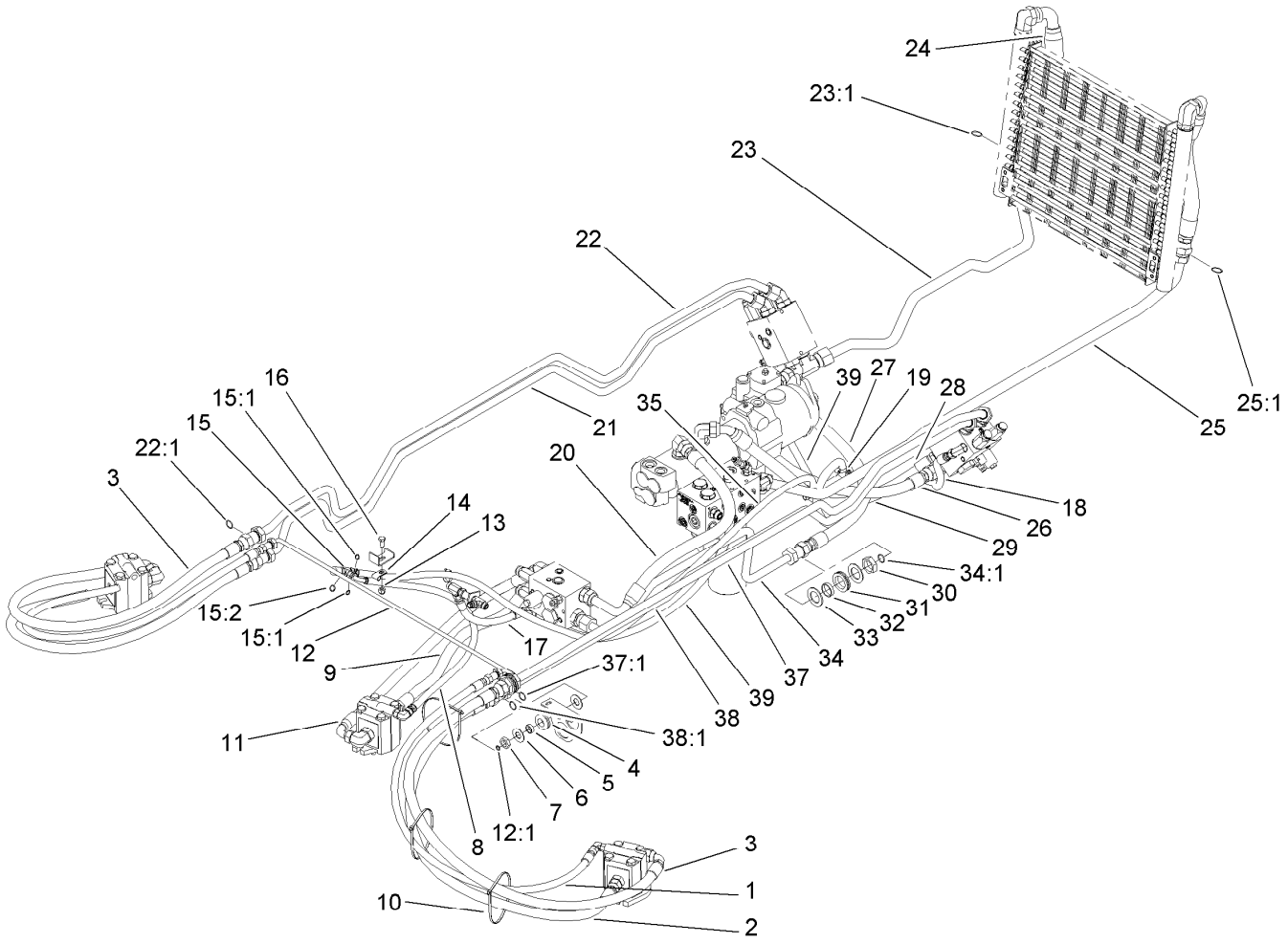
● Not serviced separately



Traction Hydraulic Plumbing Assembly

Ref.	Part Number	Qty.	Description
1	100-3095	1	Tube-HYD
2	100-5574	1	Tube-HYD, Motor Front
3	104-0793	1	Tube-HYD (Drain Motor And Filter)
4	100-5525	1	Hose ASM
5	104-3581	1	Tube-HYD, RH Motor
6	340-126	2	Nut-Bulkhead
7	69-8910	4	Washer
8	69-8900	2	Spacer
9	240-7	2	Grommet-Rubber
10	104-3558	1	Fitting-Bulkhead
10:1	237-58	3	O-Ring
11	100-5571	1	Tube-HYD, RH Rear Traction
12	104-2237	1	Hose ASM
12:1	237-79	1	O-Ring
13	100-5600	1	Valve-Check
14	100-5617	1	Hose ASM
14:1	237-79	1	O-Ring
15	104-3502	1	Hose ASM

Ref.	Part Number	Qty.	Description
16	100-5579	1	Hose ASM
17	3290-378	13	Tie-Cable
18	100-5614	1	Hose ASM
19	100-5572	1	Tube-HYD, LH Rear Traction
20	105-4508	1	Tube-HYD, LH Charge
21	354-77	2	Fitting-Quick
21:1	237-78	1	O-Ring
22	354-79	2	Cap-Dust
23	107-0204	1	Hose ASM
24	100-5573	1	Tube-HYD, LH Front Motor
24:1	237-58	1	O-Ring
25	104-3582	1	Tube-HYD, LH Motor
26	110-6153	1	Hose
27	99-7371	2	Connector-Tee
28	100-5649	1	Hose
29	110-6190	1	Hose
30	2412-36	8	Clamp-Hose
31	354-107	2	Fitting-HYD, Tee
32	100-5607	1	Hose

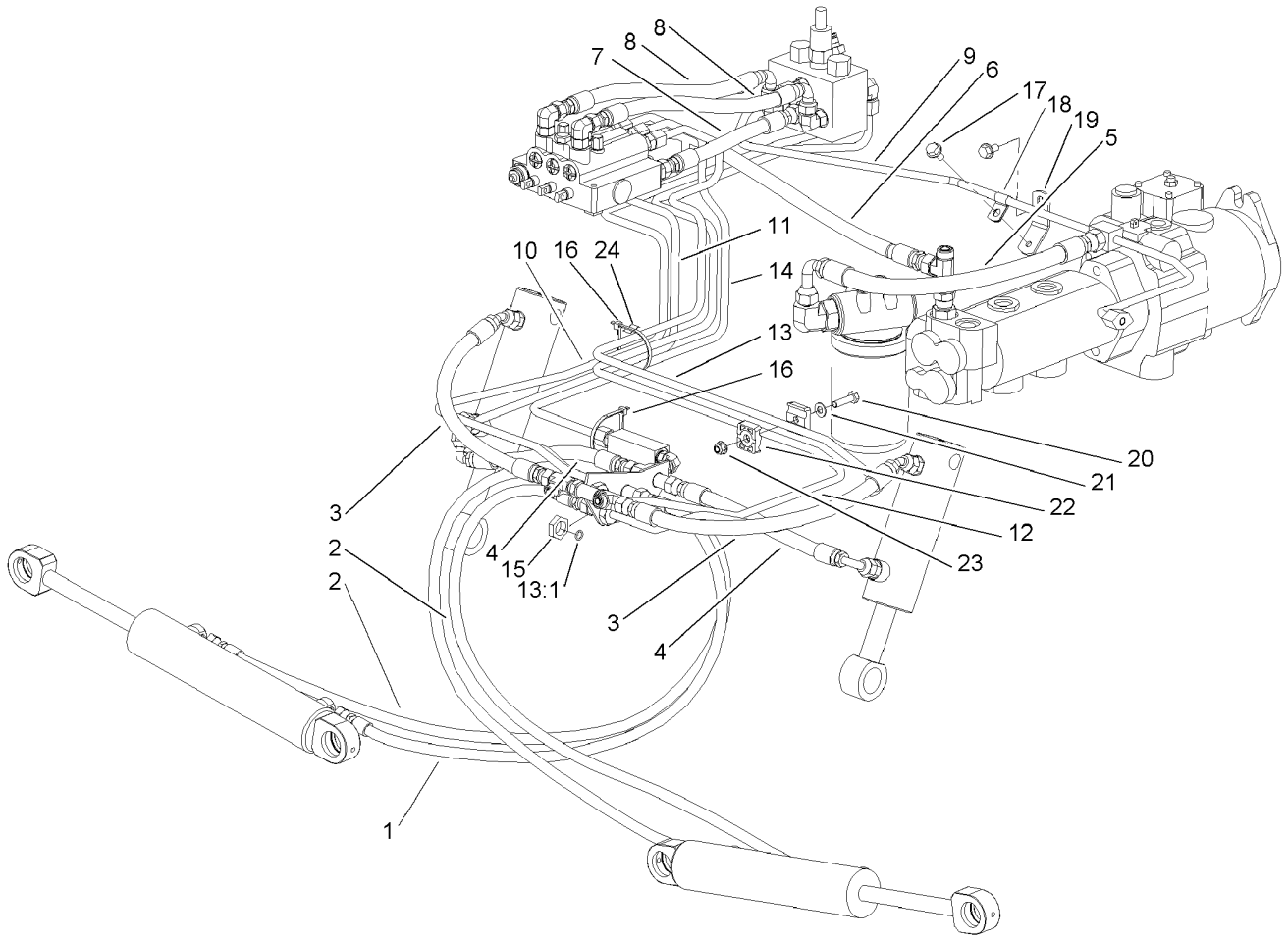


Power-Take-Off
Hydraulic Plumbing Assembly

Ref.	Part Number	Qty.	Description
1	105-7462	2	Hose ASM
2	105-7460	2	Hose ASM
3	105-7461	2	Hose ASM
4	240-4	2	Grommet-Rubber
5	69-8970	2	Spacer
6	69-8940	4	Washer
7	340-70	2	Nut-Lock
8	112-9121	1	Hose ASM
9	105-7459	1	Hose ASM
10	3290-379	9	Tie-Cable
11	98-7404	1	Hose ASM
12	105-7374	1	Tube-HYD
12:1	237-22	2	O-Ring
13	3296-39	1	Nut-Lock, NI
14	2412-113	1	Clamp-R
15	340-86	1	Fitting-Tee
15:1	237-22	2	O-Ring
15:2	237-42	1	O-Ring
16	323-4	1	Screw-HH
17	104-2234	1	Hose-HYD
18	100-5641	1	Hose ASM
19	2412-36	2	Clamp-Hose
20	95-0961	1	Hose ASM
21	105-7366	1	Tube-HYD

Ref.	Part Number	Qty.	Description
21:1	237-58	1	O-Ring ●
22	105-7365	1	Tube-HYD
22:1	237-58	1	O-Ring
23	104-0796	1	Tube-HYD, RH Cooler
23:1	340-65	1	O-Ring
24	107-0243	2	Hose ASM
25	104-0797	1	Tube-HYD, LH Cooler
25:1	340-65	1	O-Ring
26	100-5645	1	Hose ASM
27	104-2235	1	Hose ASM
28	104-2264	1	Hose ASM
29	100-5649	1	Hose
30	340-126	5	Nut-Bulkhead
31	240-7	5	Grommet-Rubber
32	69-8900	5	Spacer
33	69-8910	10	Washer
34	104-0795	1	Tube-HYD, Front PTO
34:1	237-58	1	O-Ring
35	112-9122	1	Hose ASM
37	105-7363	1	Tube-HYD
37:1	237-58	1	O-Ring
38	105-7364	1	Tube-HYD
38:1	237-58	1	O-Ring
39	100-5570	2	Hose ASM

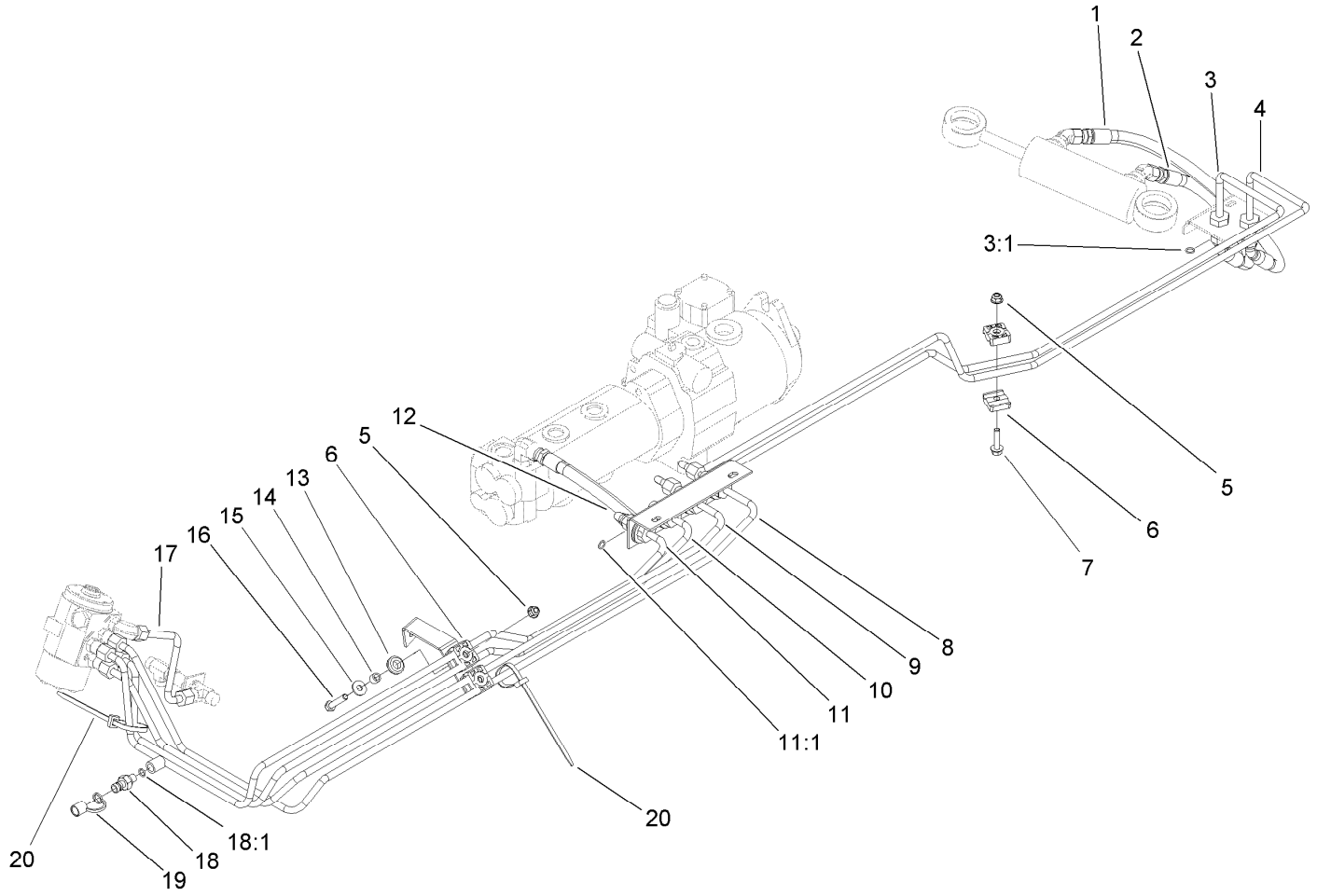
● Not illustrated



Lift Arm Hydraulic Plumbing Assembly

Ref.	Part Number	Qty.	Description
1	107-0222	2	Hose ASM
2	107-0221	2	Hose ASM
3	92-7595	2	Hose-HYD
4	104-2234	2	Hose-HYD
5	83-9600	1	Hose ASM
6	104-2239	1	Hose ASM
6:1	237-79	1	O-Ring ●
7	100-5589	1	Hose ASM
8	104-2240	2	Hose ASM
9	100-3089	1	Tube-HYD, Charge
10	105-7367	1	Tube-HYD
10:1	237-22	1	O-Ring ●
11	105-7368	1	Tube-HYD
11:1	237-22	1	O-Ring ●
12	105-7369	1	Tube-HYD
12:1	237-22	1	O-Ring ●
13	105-7370	1	Tube-HYD
13:1	237-22	1	O-Ring
14	105-7371	1	Tube-HYD
15	340-70	4	Nut-Lock
16	3290-379	4	Tie-Cable
17	32144-14	2	Screw-HWHTF
18	2412-113	1	Clamp-R
19	107-0172	1	Angle-Support
20	322-6	1	Screw-HH
21	3256-23	1	Washer-Plain
22	56-7973	2	Clamp-Tube
23	104-8300	1	Nut-HF, NI
24	92-2992	1	Foam-Strap

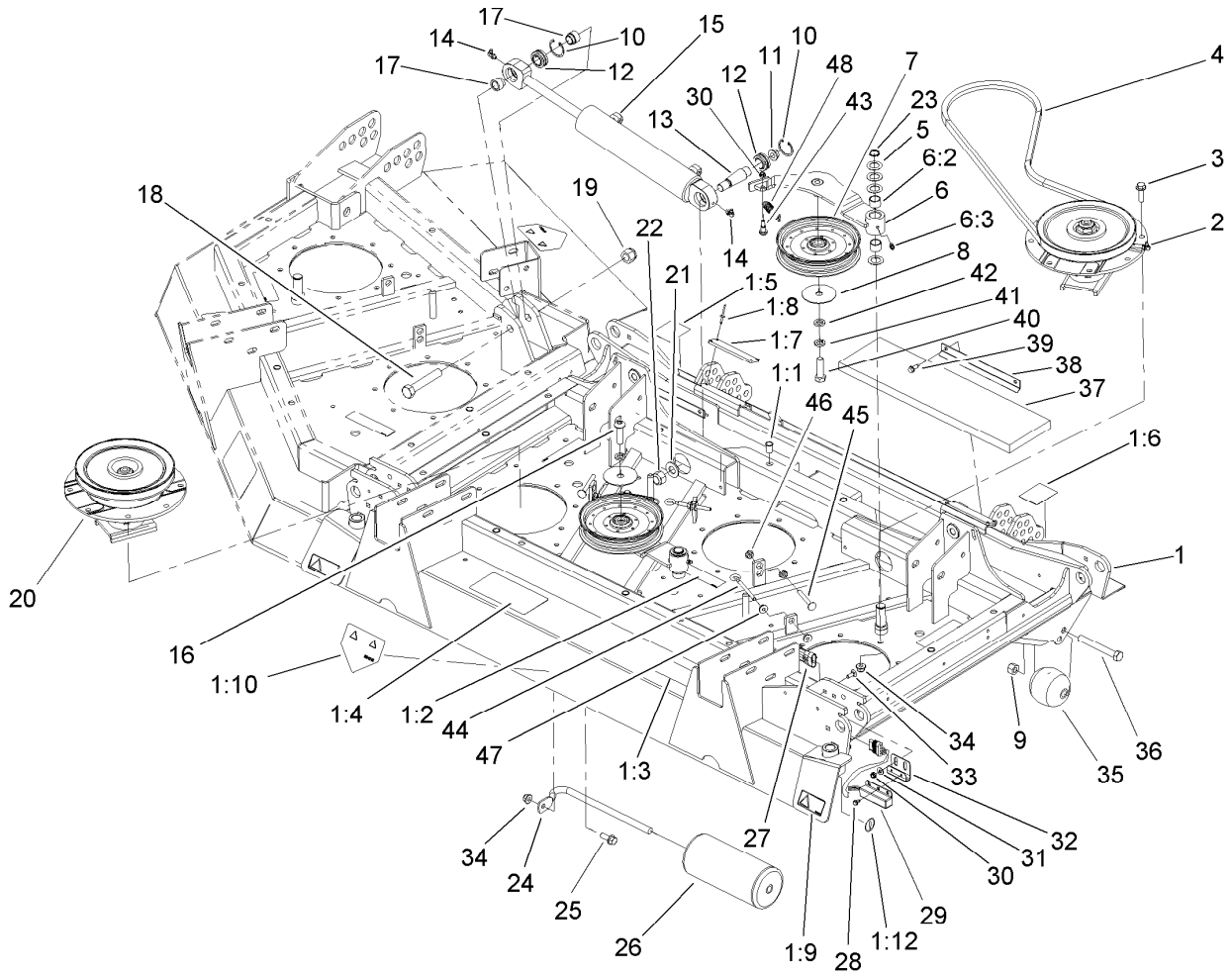
● Not illustrated



Steering Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	92-7538	1	Hose ASM
2	92-7539	1	Hose-HYD
3	100-5576	1	Tube-HYD, Steering, Rear, RH
3:1	237-22	1	O-Ring
4	100-5575	1	Tube-HYD, Steering, Rear, LH
4:1	237-22	1	O-Ring ●
5	104-8300	3	Nut-HF, NI
6	56-7973	6	Clamp-Tube
7	3234-36	1	Screw-HHF
8	100-3091	1	Tube-HYD, Steering, Front, LH
8:1	237-22	1	O-Ring ●
9	100-3092	1	Tube-HYD, Steering, Front, RH
9:1	237-22	1	O-Ring ●
10	100-3093	1	Tube-HYD (Beyond Power Steering)
10:1	237-22	1	O-Ring ●
11	100-3090	1	Tube-HYD, Pressure Steering
11:1	237-22	1	O-Ring
12	69-5440	1	Hose ASM
13	93-5108	2	Grommet-Rubber
14	93-5109	2	Spacer
15	3256-71	2	Washer-Flat
16	322-8	2	Screw-HH
17	100-5588	1	Tube-HYD (Steer And Drain)
18	354-77	1	Fitting-Quick
18:1	237-78	1	O-Ring
19	354-79	1	Cap-Dust
20	3290-378	2	Tie-Cable

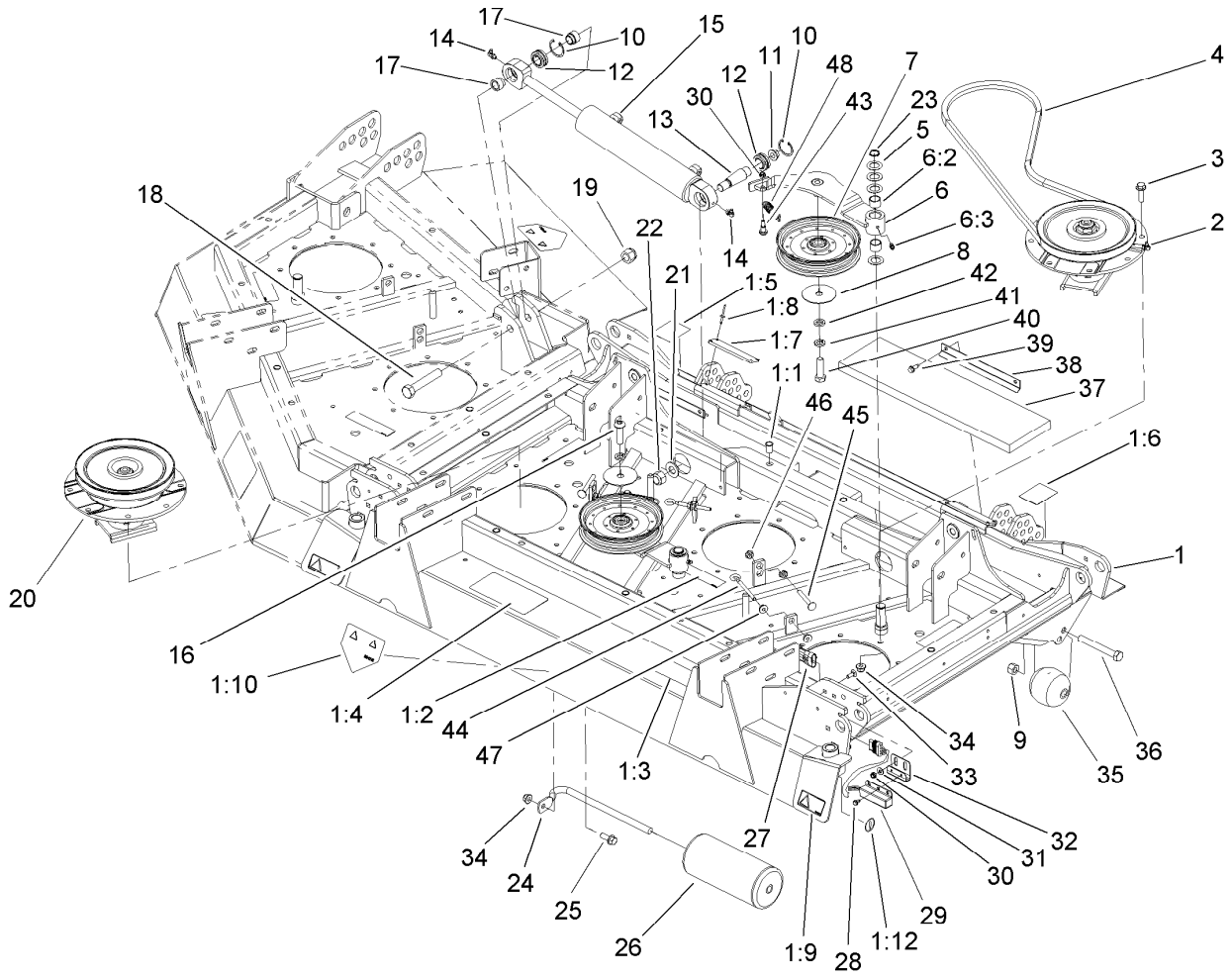
● Not illustrated



Center Deck Assembly

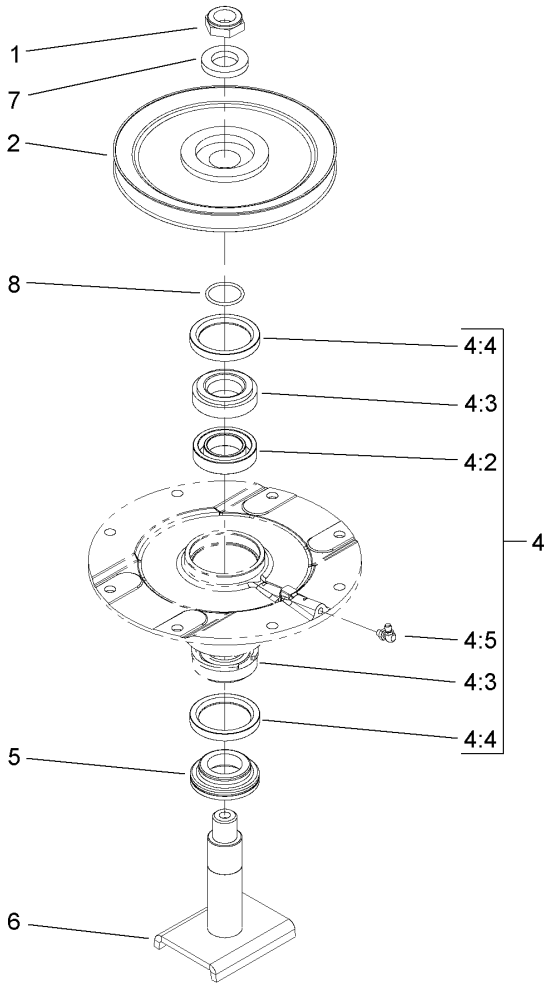
Ref.	Part Number	Qty.	Description
1	110-3297	1	Center Deck ASM
1:1	32148-9	9	Nut-Clinch
1:2	100-6578	3	Decal-Danger
1:3	93-7818	1	Decal-Torque, Blade Bolt
1:4	100-5622	1	Decal-HOC
1:5	106-4250	1	Decal-HOC, RH
1:6	106-4251	1	Decal-HOC, LH
1:7	105-0786	2	Pad-Plastic
1:8	3269-24	8	Rivet
1:9	93-6674	2	Decal-Warning
1:10	106-6753	1	Decal-Danger, CE
1:12	58-6520	2	Decal-Grease
2	104-3532	3	Low Driven Spindle ASM
3	3234-24	44	Screw-HHF
4	108-8077	4	V-Belt, Deck
5	3-6498	16	Washer-Thrust
6	110-6128	4	Idler Arm ASM
6:2	256-76	2	Bushing
6:3	302-5	1	Fitting-Grease
7	110-9596	4	Pulley-Idler
8	100-3102	4	Washer-Flat
9	3296-45	2	Nut-Hex
10	32151-34	4	Ring-Retaining
11	32128-42	2	Nut-HF
12	105-7441	4	Bearing-Spherical
13	105-7468	2	Stud-Tapered
14	302-60	4	Fitting-Grease
15	107-0190	2	HYD Cylinder ASM

Ref.	Part Number	Qty.	Description
16	108-1993	1	Screw-HSBH
17	105-7443	4	Spacer-Pilot
18	327-14	2	Screw-HH
19	3296-53	2	Nut-Lock, NI
20	104-3531	1	High Driven Spindle ASM
21	3256-27	2	Washer-Flat
22	3296-41	2	Nut-Lock NI
23	32120-72	4	Ring-Snap
24	68-6840	1	Shaft-Roller
25	3234-11	1	Screw-HHF
26	68-6710	1	Roller
27	105-7473	1	Harness-Wire, Deck
28	104-2065	4	Screw-HWH
29	104-0758	2	Sensor-Ferrous
30	3296-56	8	Nut-Lock, NI
31	3256-22	4	Washer-Flat
32	106-4264	2	Bracket-Switch
33	3229-1	4	Bolt-CARR
34	104-8301	45	Nut-HF, NI
35	29-4820	2	Roller
36	325-17	2	Screw-HH
37	106-7179	2	Pad-Foam
38	106-7227	4	Support-Pad
39	32104-95	8	Screw-HWH
40	325-7	3	Screw-HH
41	3253-7	4	Washer-Lock
42	9202424	3	Spacer
43	104-0858	4	Bolt-Shoulder



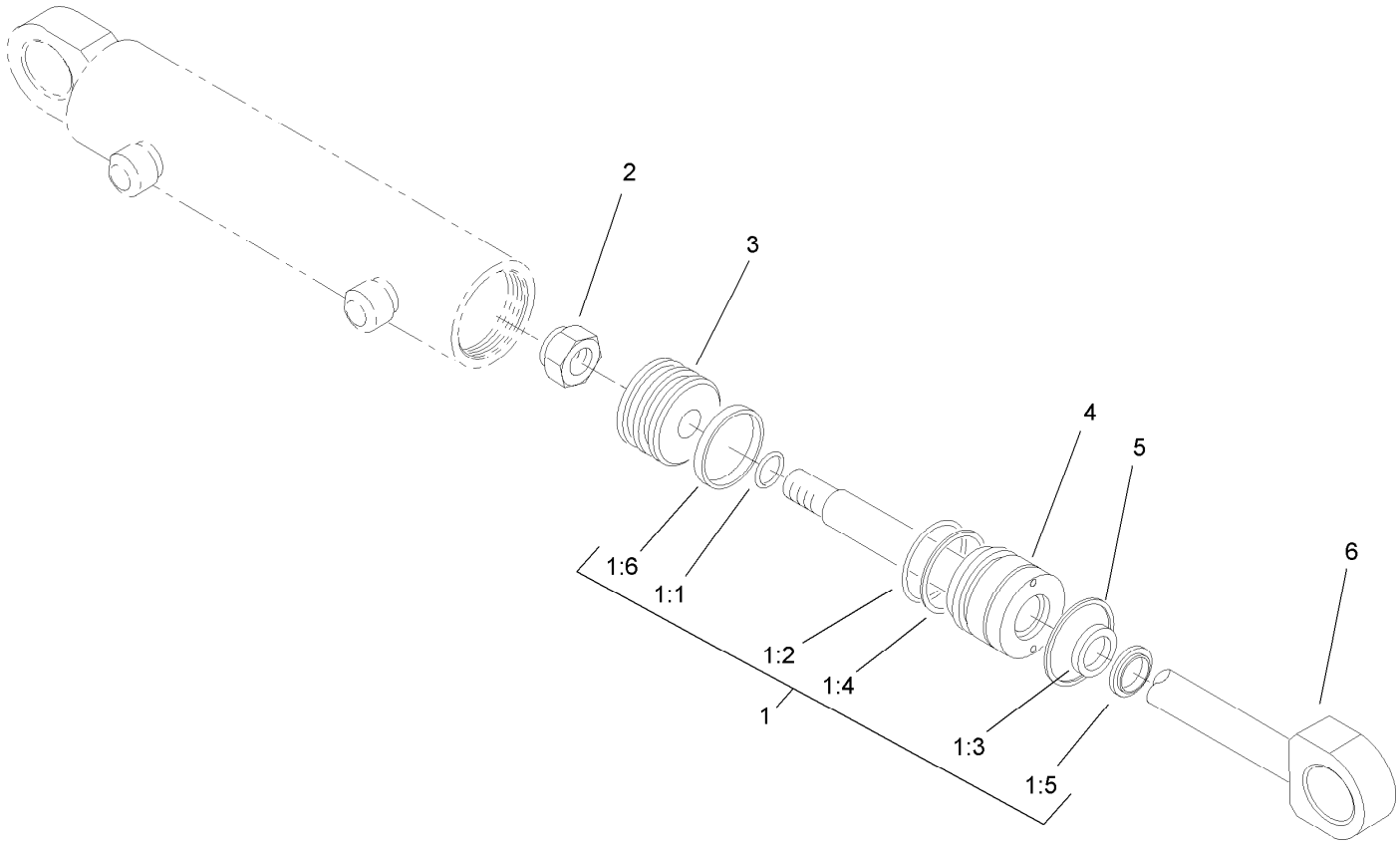
Center Deck Assembly (continued)

Ref.	Part Number	Qty.	Description
44	68-0090	4	Screw-Adjusting
45	3230-7	4	Bolt-CARR
46	32128-26	8	Nut-Flange
47	32128-14	8	Nut-HF
48	107938	4	Spring-Extension



Low Driven Idler Assembly No. 104-3532

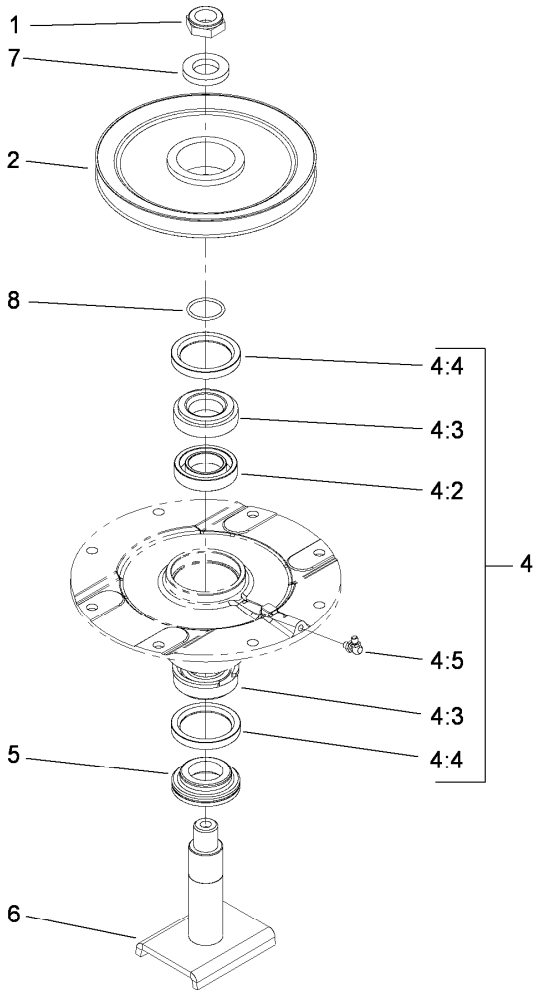
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3546	1	Pulley-Driven, Low
4	104-3552	1	Spindle Housing ASM
4:2	104-3549	1	Bearing Spacer Set
4:3	110-8297	1	Bearing ASM
4:4	253-154	2	Seal-Oil
4:5	302-60	1	Fitting-Grease
5	69-6950	1	Spacer-Shaft, Spindle
6	104-3554	1	Shaft-Spindle
7	104-8322	1	Washer-Hardened
8	106-7159	1	O-Ring



Wing Lift Cylinder Assembly No. 107-0190

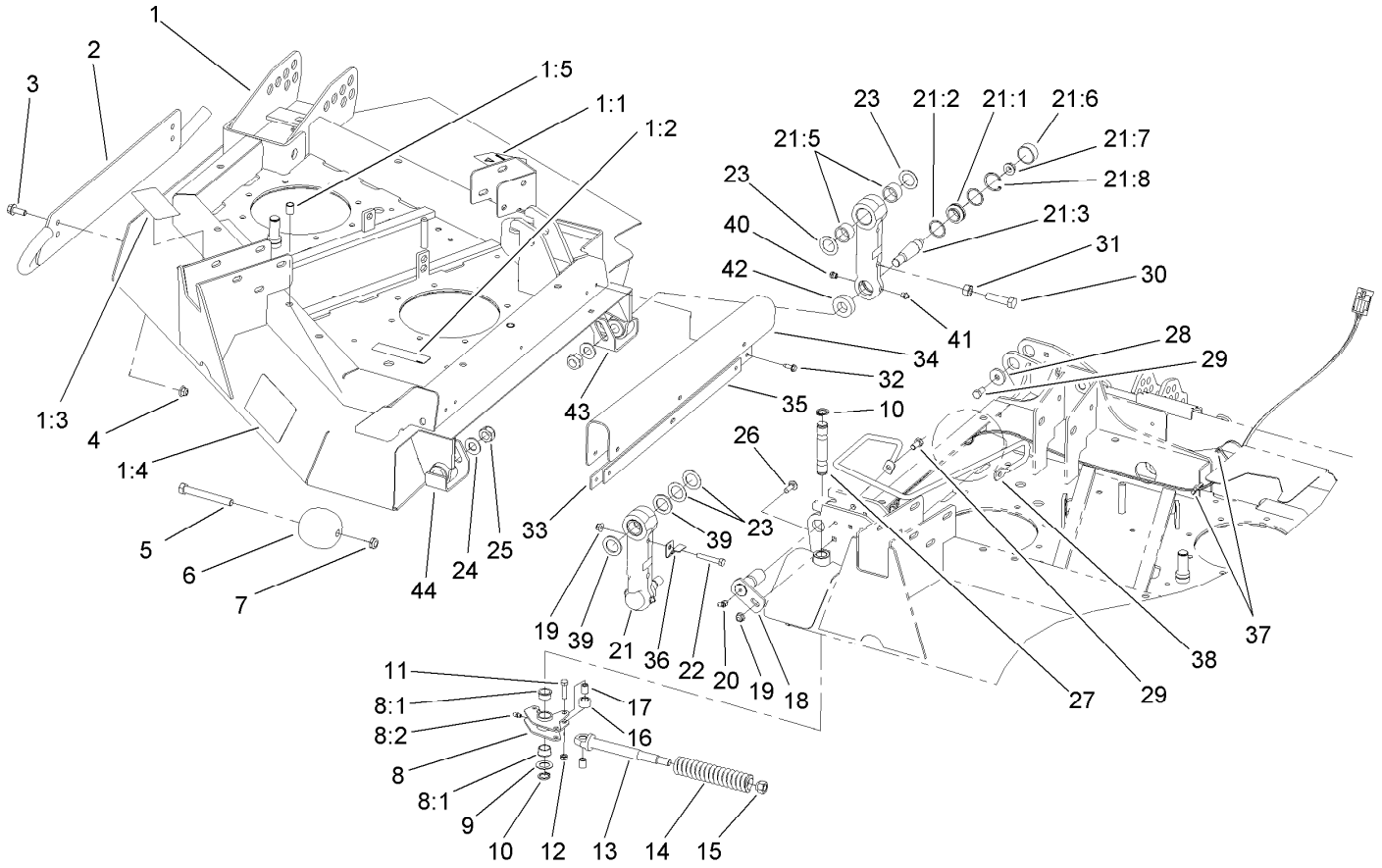
Ref.	*Part Number*	*Qty.*	*Description*
1	107-0247	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	O-Ring ●
1:3		1	Seal ●
1:4		1	Back-Up ●
1:5		1	Wiper ●
1:6		1	Seal W/O-Ring ●
2		1	Locknut ●
3		1	Piston ●
4		1	Head ●
5		1	Ring-Retaining ●
6		1	Rod ASM ●

● Not serviced separately



High Driven Spindle Assembly No. 104-3531

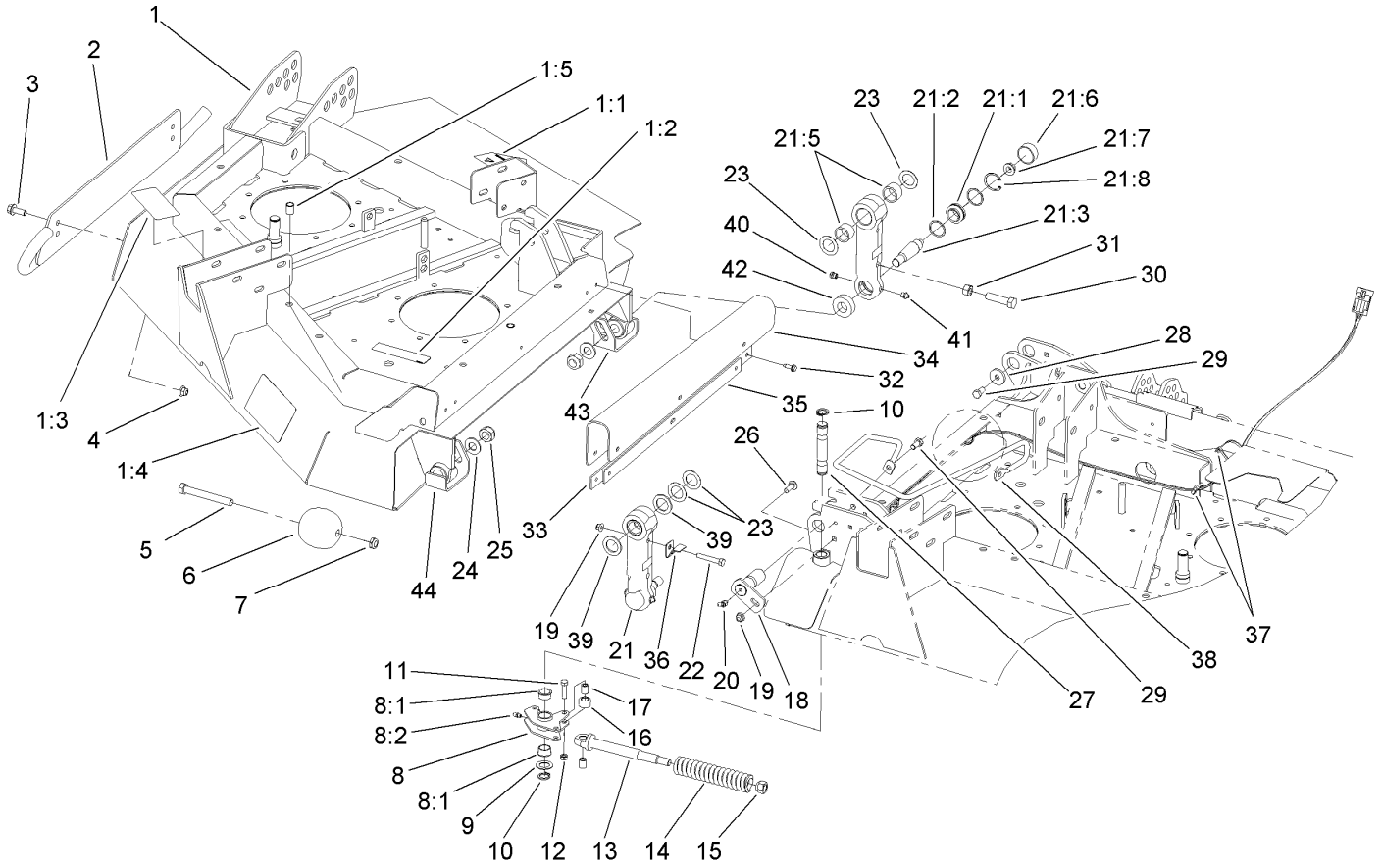
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3548	1	Pulley-Driven, High
4	104-3552	1	Spindle Housing ASM
4:2	104-3549	1	Bearing Spacer Set
4:3	110-8297	1	Bearing ASM
4:4	253-154	2	Seal-Oil
4:5	302-60	1	Fitting-Grease
5	69-6950	1	Spacer-Shaft, Spindle
6	104-3554	1	Shaft-Spindle
7	104-8322	1	Washer-Hardened
8	106-7159	1	O-Ring



Break Away Link Assembly

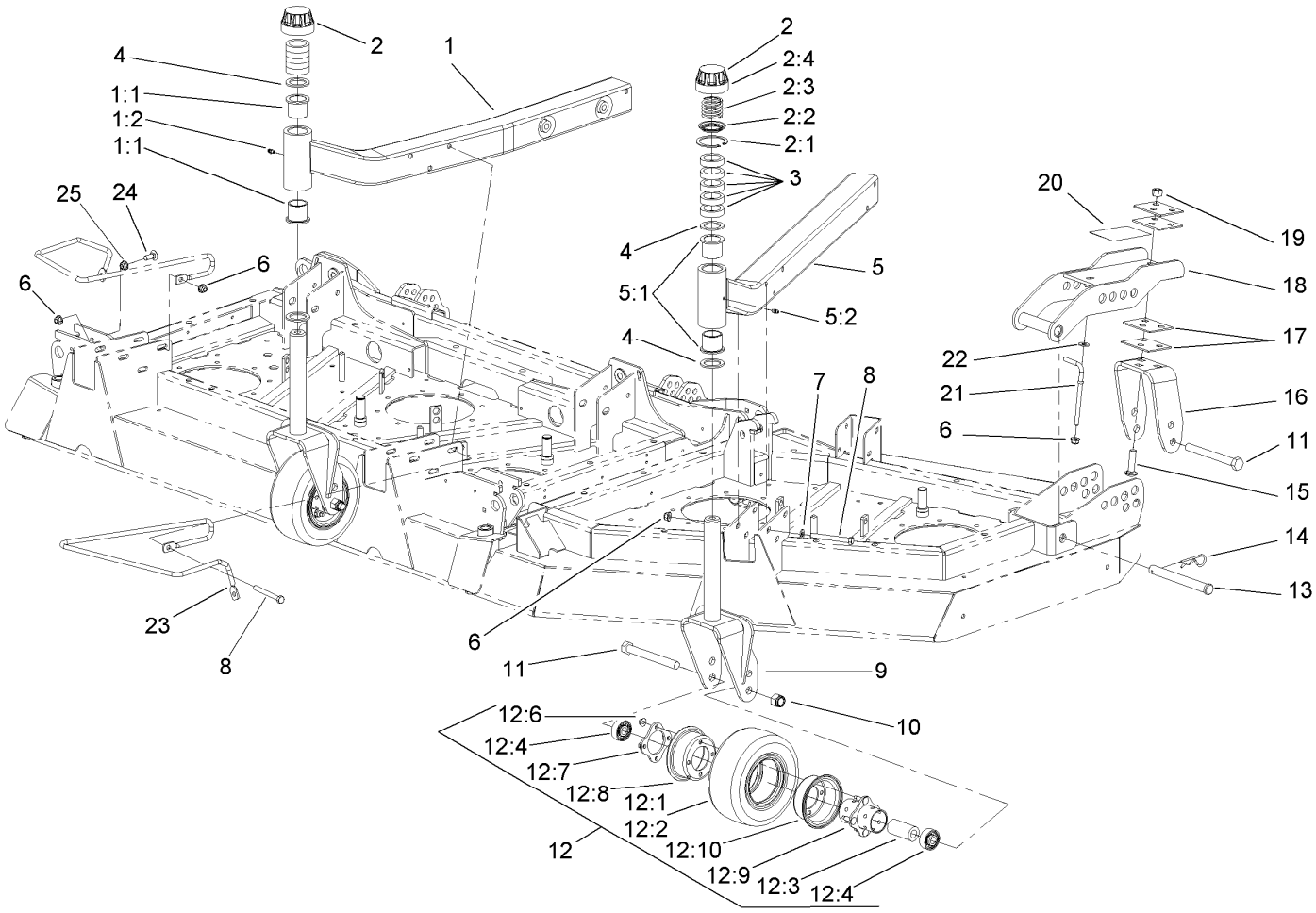
Ref.	Part Number	Qty.	Description
1	110-3299	1	LH Deck ASM
1	110-3298	1	RH Deck ASM
1:1	106-6753	1	Decal-Danger, CE
1:2	100-6578	2	Decal-Danger
1:3	93-7818	1	Decal-Torque, Blade Bolt
1:4	100-5622	1	Decal-HOC
1:5	32148-9	4	Nut-Clinch
2	105-7437-01	1	LH Skid ASM
2	105-7430-01	1	RH Skid ASM
3	3234-42	4	Screw-HHF
4	104-8301	4	Nut-HF, NI
5	325-17	2	Screw-HH
6	29-4820	2	Roller
7	3296-45	2	Nut-Hex
8	105-7469	2	Latch ASM
8:1	256-252	2	Bearing-Flange
8:2	302-5	1	Fitting-Grease
9	1278	2	Washer
10	32120-93	4	Ring-Retaining
11	322-6	6	Screw-HH
12	3296-47	6	Nut-Lock, NI
13	106-4317	2	Support-Spring
14	86-2560	2	Spring-Comp
15	242-50	2	Nut-Lug
16	86-2120	4	Roller-Lock
17	86-2090	6	Bushing
18	106-7171	4	Pin Pivot ASM
19	104-8300	6	Nut-HF, NI

Ref.	Part Number	Qty.	Description
20	302-11	4	Fitting-Lube, 45 DEG
21	112-9116	4	Link ASM
21:1	105-7441	1	Bearing-Spherical
21:2	110-6198	2	Washer-Flat
21:3	105-7468	1	Stud-Tapered
21:5	106-7248	2	Bushing
21:6	110-6197	1	Cap-Dust
21:7	32128-42	1	Nut-HF
21:8	32151-34	1	Ring-Retaining
22	322-10	2	Screw-HH
23	9547	8	Washer-Thrust
24	3256-27	4	Washer-Flat
25	112-9119	4	Nut-Lock, NI
26	3230-2	4	Bolt-CARR
27	105-7482	2	Pin-Latch
28	53-6380	2	Washer-Flat
29	323-4	4	Screw-HH
30	325-8	2	Screw-HH
31	3217-9	2	Nut-HH
32	32104-95	12	Screw-HWH
33	107-0170-03	2	Strap-Wing
34	106-4334	2	Shield-Flex
35	107-0171-03	2	Strap-Shield
36	107-0166	2	Tab-Switch
37	3290-379	4	Tie-Cable
38	107-0182	1	Guide-Hose, RH
39	92-7845	4	Spacer-Hardened
40	302-39	4	Fitting-Plug



Break Away Link Assembly (continued)

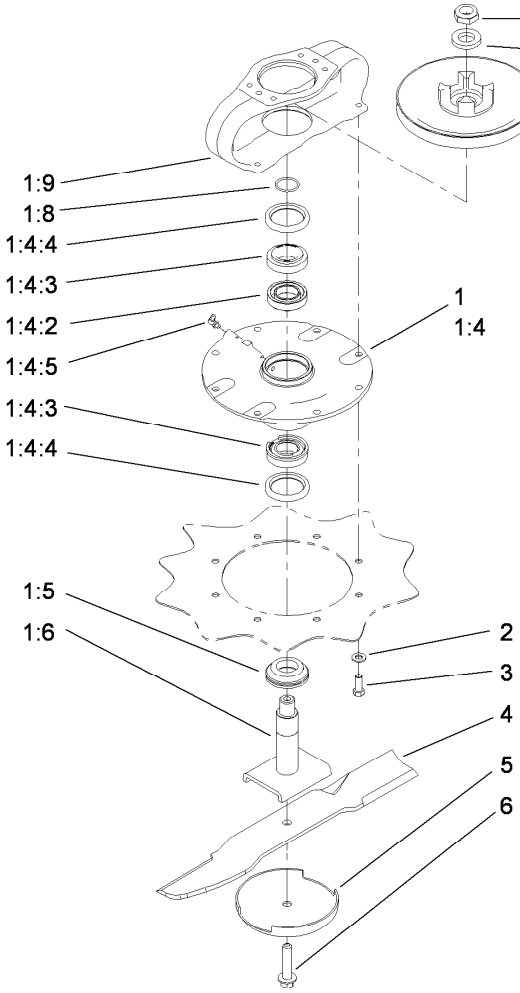
Ref.	Part Number	Qty.	Description
41	302-52	4	Fitting-Grease
42	110-6196	4	Washer-Foam
43	112-9106-01	2	Skid-Link (Left Front, Right Rear)
44	112-9105-01	2	Skid-Link (Right Front, Left Rear)



Castor Fork Assembly

Ref.	Part Number	Qty.	Description
1	105-7414	2	Center Castor Arm ASM
1:1	69-6470	2	Bushing-Castor
1:2	302-5	1	Fitting-Grease
2	92-9727	4	HOC Cap ASM
2:1	92-5581	1	Ring-Retaining
2:2	92-5583	1	Washer-Cap
2:3	92-9726	1	Spring-Compression
2:4	92-8861	1	Cap-HOC
3	69-1510	20	Spacer
4	69-6860	8	Washer-Thrust
5	105-7429	2	Side Castor Arm ASM
5:1	69-6470	2	Bushing-Castor
5:2	302-5	1	Fitting-Grease
6	104-8301	24	Nut-HF, NI
7	3256-24	18	Washer-Flat
8	323-15	20	Screw-HH
9	92-7750-01	4	Fork-Castor
10	3296-53	6	Nut-Lock, NI
11	327-24	6	Screw-HH
12	93-9938	6	Wheel ASM
12:1	93-9939	1	Tire
12:2	68-8950	1	Tube-Inner (W/Valve)

Ref.	Part Number	Qty.	Description
12:3	93-4241	1	Spacer-Bearing, Inner
12:4	93-4237	2	Bearing
12:6	32128-16	4	Nut-HHF
12:7	93-4242	1	Plate
12:8	93-4239	1	Rim-Wheel, Half
12:9	93-5980	1	Hub
12:10	95-2741	1	Rim-Wheel, Half
13	100-5569	4	Pin-Clevis
14	3290-343	4	Pin-Hair
15	3233-4	6	Screw-CARR
16	105-7457-01	2	Fork-Rear
17	104-7524	8	Shim
18	104-7529-01	2	Bracket-Castor
19	3296-45	6	Nut-Hex
20	100-5623	1	Decal-HOC
20	104-3579	1	Decal-HOC
21	106-2047	2	Rod-Tension
22	3256-3	2	Washer-Flat
23	107-0183	1	Guide-Hose, LH
24	3231-2	2	Bolt-CARR
25	107-0229	2	Tab-Guide

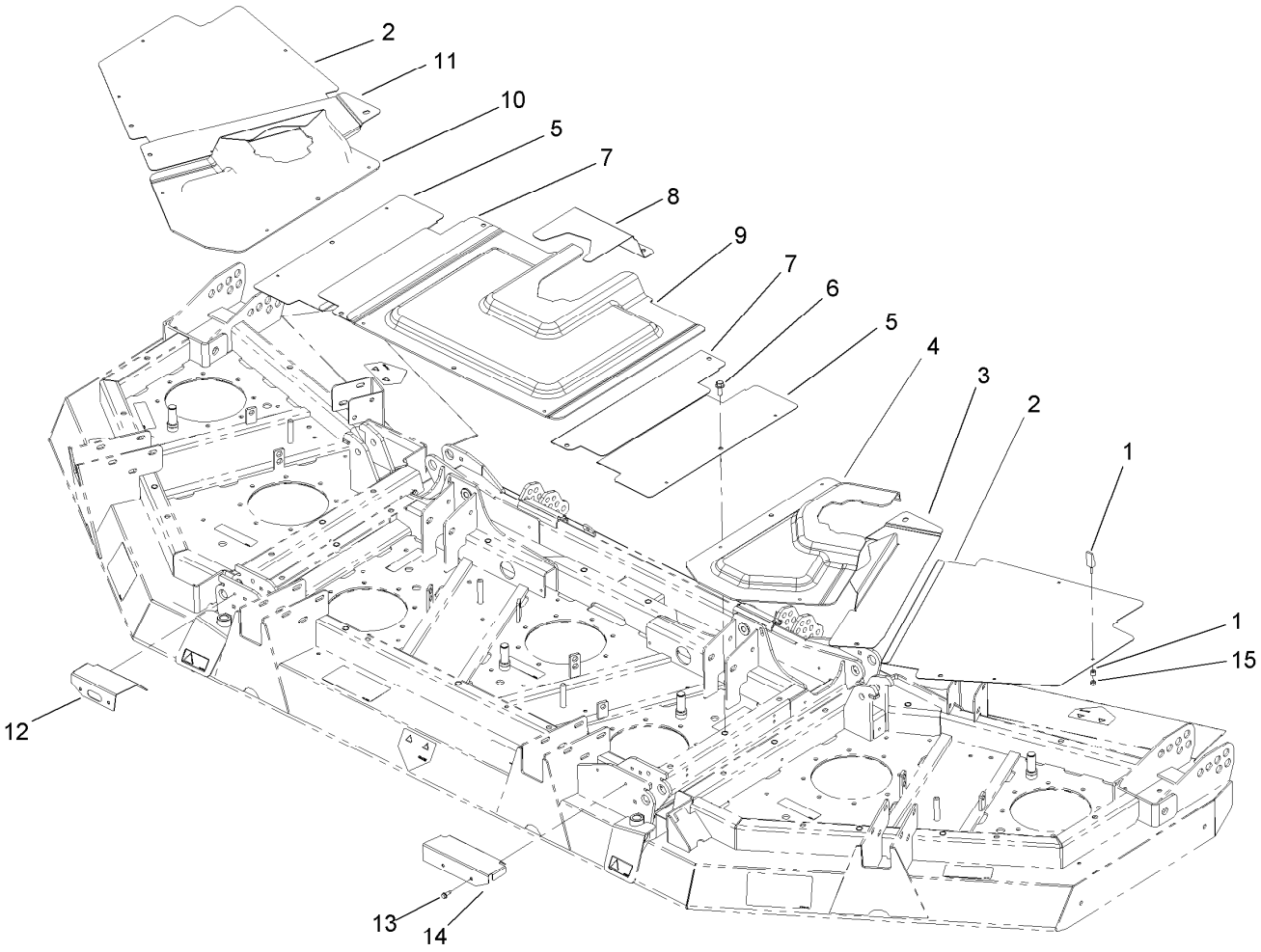


Note:
Item 1:2
104-3545 is used on Spindle 104-3529
106-4269 is used on Spindle 106-4270

Item 1:9
104-3544 is used on Spindle 104-3529
106-4268 is used on Spindle 106-4270

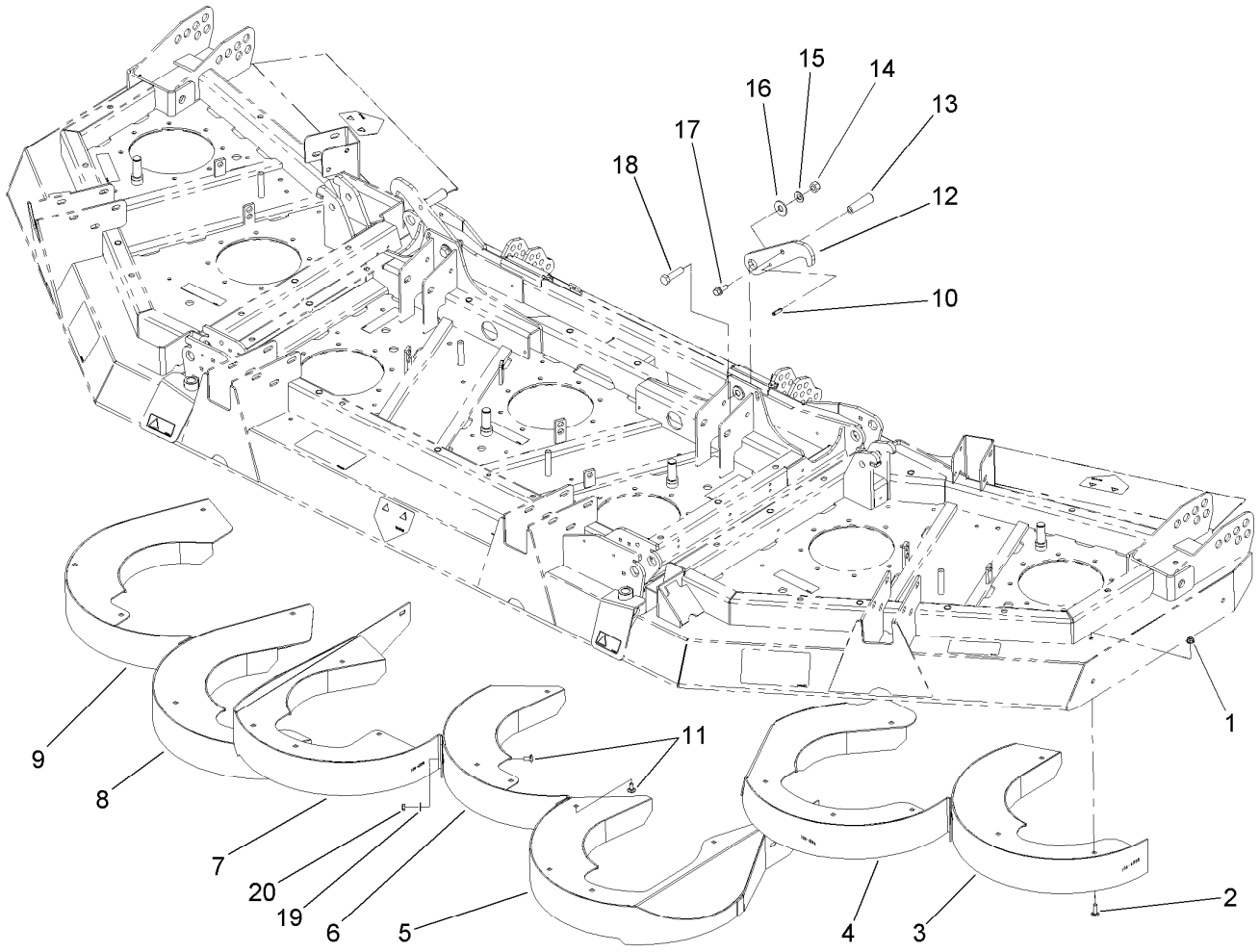
Spindle Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	106-4270	1	Double Drive Spindle ASM
1	104-3529	2	Driving Spindle ASM
1:1	3296-60	1	Nut-Lock, NI
1:2	106-4269	1	Pulley-Drive, Double
1:2	104-3545	1	Pulley-Driving
1:4	104-3552	1	Spindle Housing ASM
1:4:2	104-3549	1	Bearing Spacer Set
1:4:3	110-8297	1	Bearing ASM
1:4:4	253-154	2	Seal-Oil
1:4:5	302-60	1	Fitting-Grease
1:5	69-6950	1	Spacer-Shaft, Spindle
1:6	104-3554	1	Shaft-Spindle
1:7	104-8322	1	Washer-Hardened
1:8	106-7159	1	O-Ring
1:9	106-4268	1	Mount-Motor, Drive
1:9	104-3544	1	Mount-Motor, Drive
2	3256-24	12	Washer-Flat
3	323-6	12	Screw-HH
4	106-7166-03	7	Blade-Combination (19 Inch)
5	72-9361	7	Cup-Scalp, Anti
6	92-5816	7	Bolt-Blade



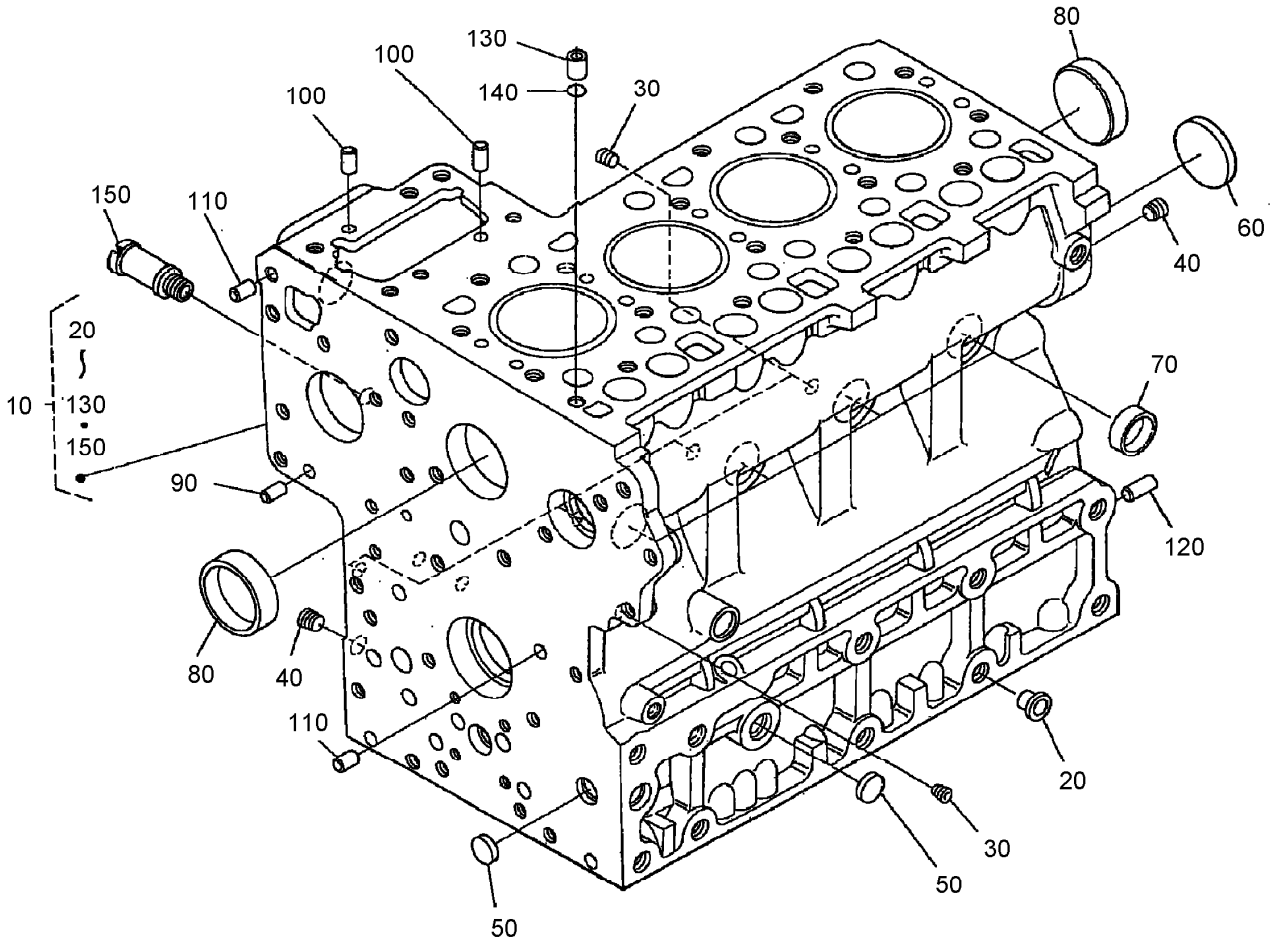
Deck Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	74-5950	18	Latch-Swell
2	106-4256-03	2	Cover-Outer, Wing
3	106-4258-03	1	Cover-Inner, LH
4	106-4260	1	Cover-Mount, LH
5	106-4252-03	2	Cover-Outer, Center
6	3234-42	17	Screw-HHF
7	106-4255-03	2	Cover-Inner, Center
8	106-4253-03	1	Cover-Rear, Center
9	106-4254	1	Cover-Front, Center
10	106-4259	1	Cover-Mount, RH
11	106-4257-03	1	Cover-Inner, RH
12	106-7173-01	1	Shield-RH
13	32104-95	4	Screw-HWH
14	106-7174-01	1	Shield-LH
15	1-804254	18	Nut-Lock, HH



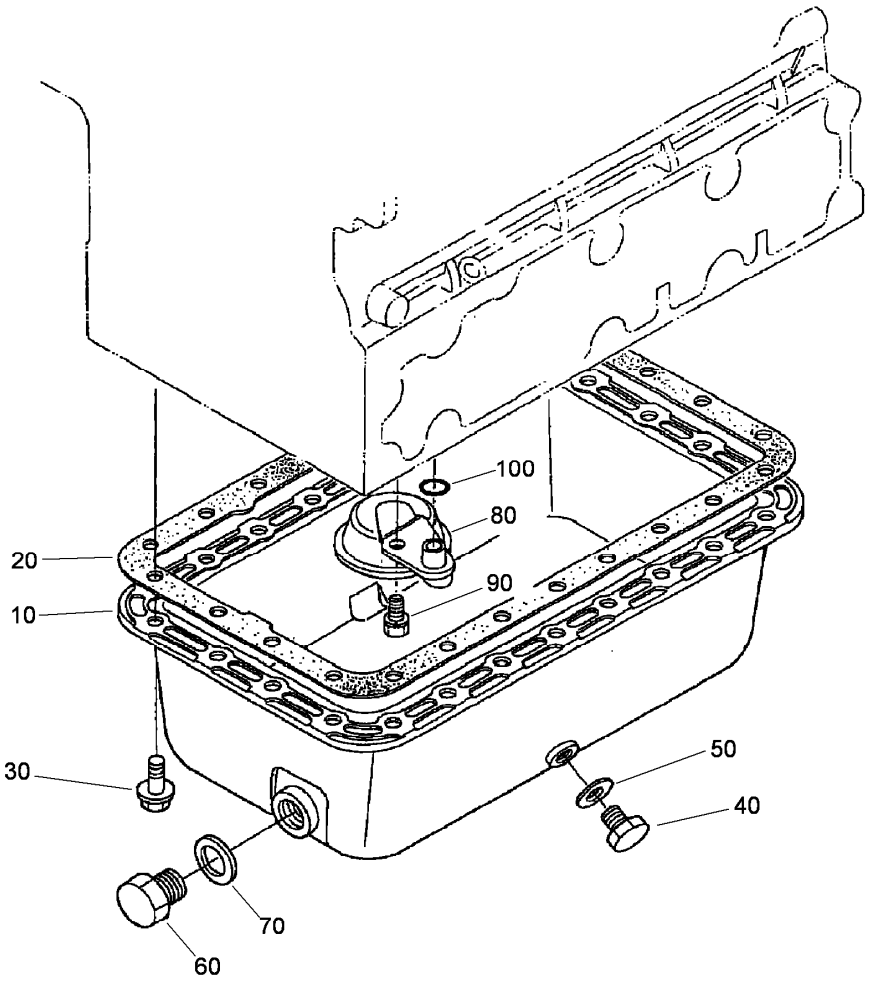
Rear Discharge Baffle Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-8300	24	Nut-HF, NI
2	3230-22	23	Screw-CARR
3	106-4308-01	1	LH Out Chamber ASM
4	106-4304-01	1	LH Inside Chamber ASM
5	106-4291-01	1	LH Center Chamber ASM
6	106-4294-01	1	Center Chamber ASM
7	106-4286-01	1	RH Center Chamber ASM
8	106-4298-01	1	RH Inside Chamber ASM
9	106-4301-01	1	RH Out Chamber ASM
10	32121-24	2	Pin-Spring
11	3230-18	5	Screw-CARR
12	106-4340-01	2	Latch-Wing
13	233-39	2	Knob-Control
14	3296-25	2	Nut-Lock, NI
15	3290-483	2	Washer-Conical
16	3256-6	2	Washer-Flat
17	3234-11	2	Screw-HHF
18	325-8	2	Screw-HH
19	3256-23	4	Washer-Plain
20	3296-47	4	Nut-Lock, NI



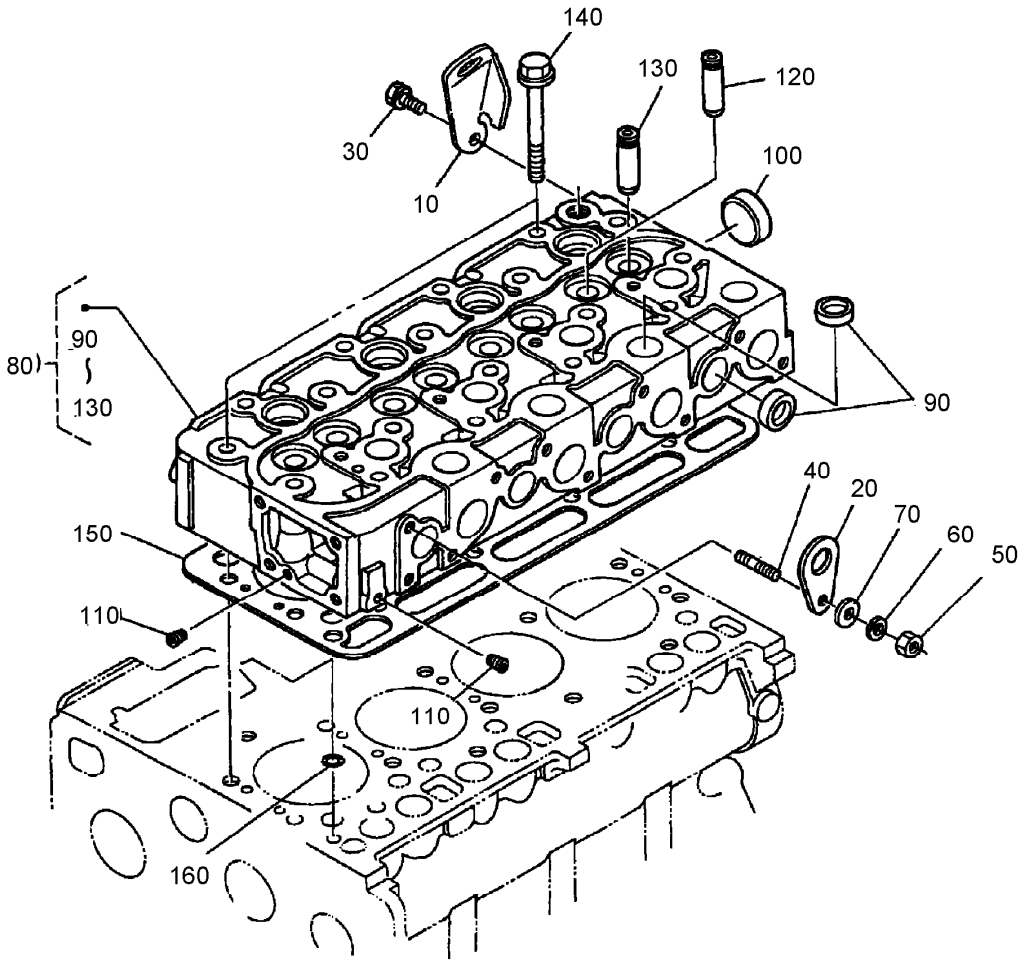
Crankcase Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-7051	1	Crankcase
20	98-7486	2	Plug
30	98-7487	6	Plug
40	107-0107	2	Plug
50	98-7489	3	Plug
60	98-9668	1	Plug-Expansion
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



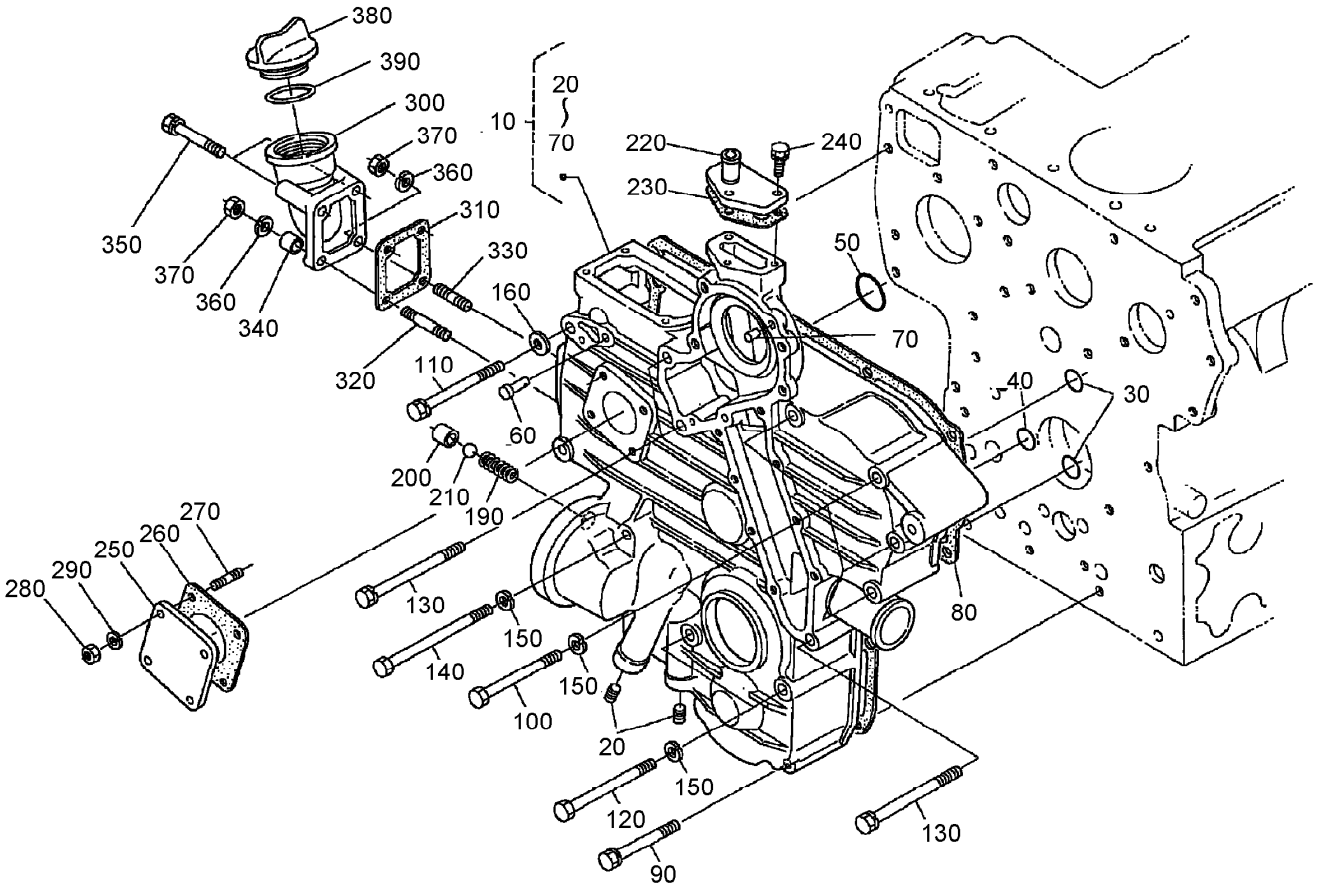
Oil Pan Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7520	1	Pan-Oil
20	108-7053	1	Gasket-Pan, Oil
30	110-6194	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-Copper
80	98-7525	1	Filter-Oil
90	98-7526	1	Bolt
100	108-7054	1	O-Ring



Cylinder Head Assembly

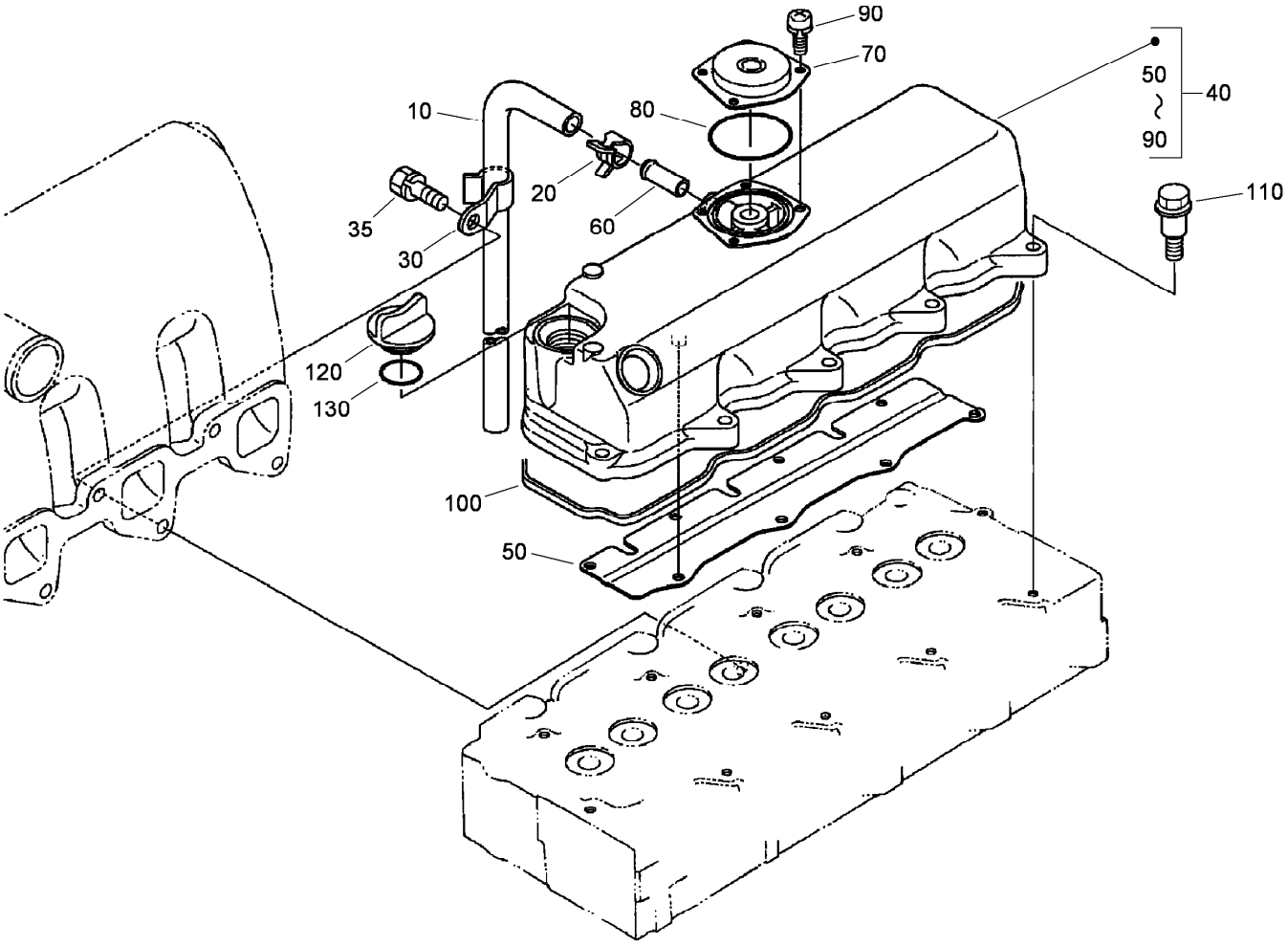
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7530	1	Hook-Engine
20	98-7531	1	Hook-Engine
30	98-7526	1	Bolt
40	98-7533	2	*obs* Stud
50	100-1559	1	Nut-Manifold, Exhaust
60	105-2893	1	Washer-Spring
70	98-7536	1	Washer-Plain
80	108-7055	1	Head-Cylinder
90	98-7538	12	Cap-Sealing
100	98-7539	1	Cap-Sealing
110	98-7540	2	Plug
120	98-7541	4	Guide-Valve, Intake
130	98-7542	4	Guide-Valve, Exhaust
140	98-7543	18	Bolt-Head, Cylinder
150	100-9160	1	Gasket-Head, Cylinder
160	98-7509	1	O-Ring



Gear Case Assembly

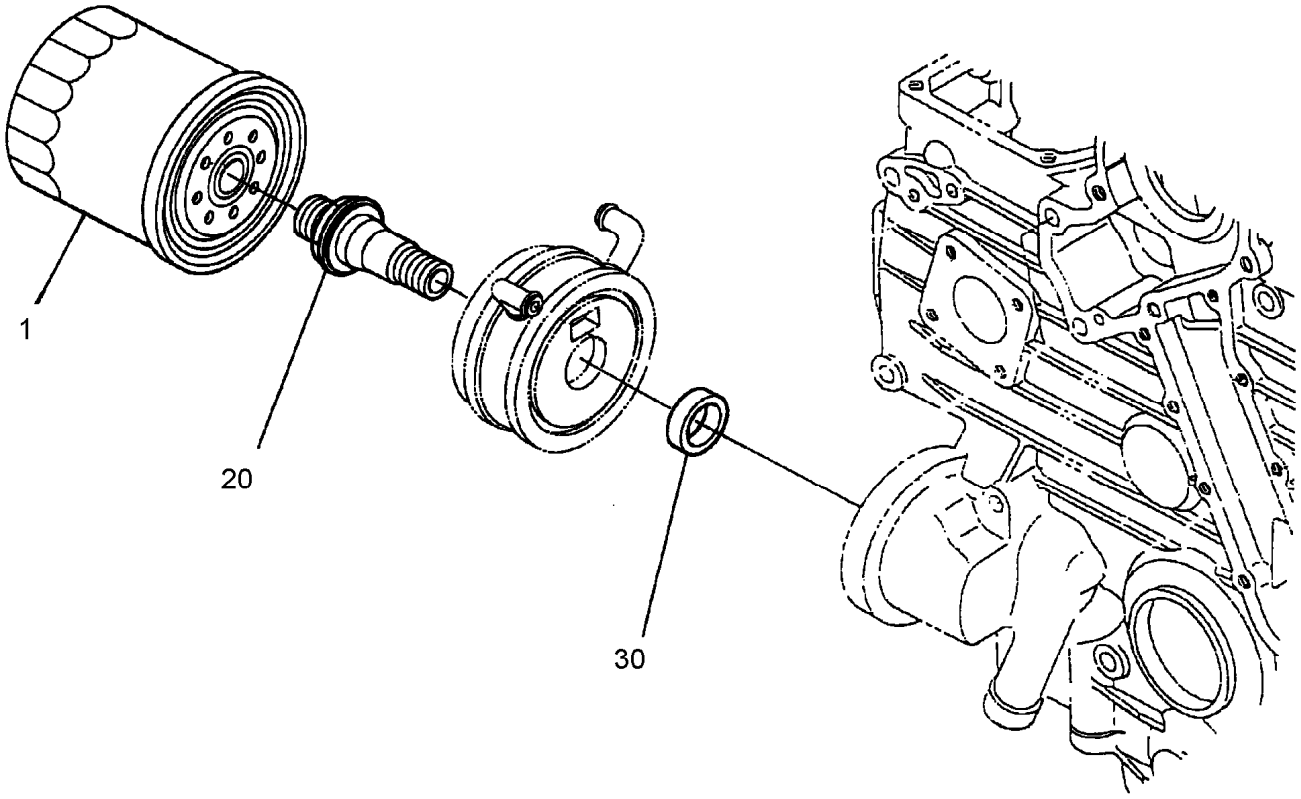
Ref.	Part Number	Qty.	Description
10	100-9161	1	Gearcase ASM
20	107-0108	2	Plug
30	107-0104	2	O-Ring
40	107-0105	1	O-Ring
50	107-0106	1	O-Ring
60	98-7550	1	Pin-Spring, Start
70	98-7504	2	Pin-Straight
80	98-7552	1	Packing-Case, Gear
90	98-7553	2	Bolt
100	99-8336	5	Bolt
110	98-7555	1	Bolt
120	98-7556	2	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	107-9073	2	Bolt
360	98-7699	2	Washer-Spring
370	98-7572	2	Nut
380	98-7429	1	Plug-Filter, Oil
390	108-7064	1	O-Ring



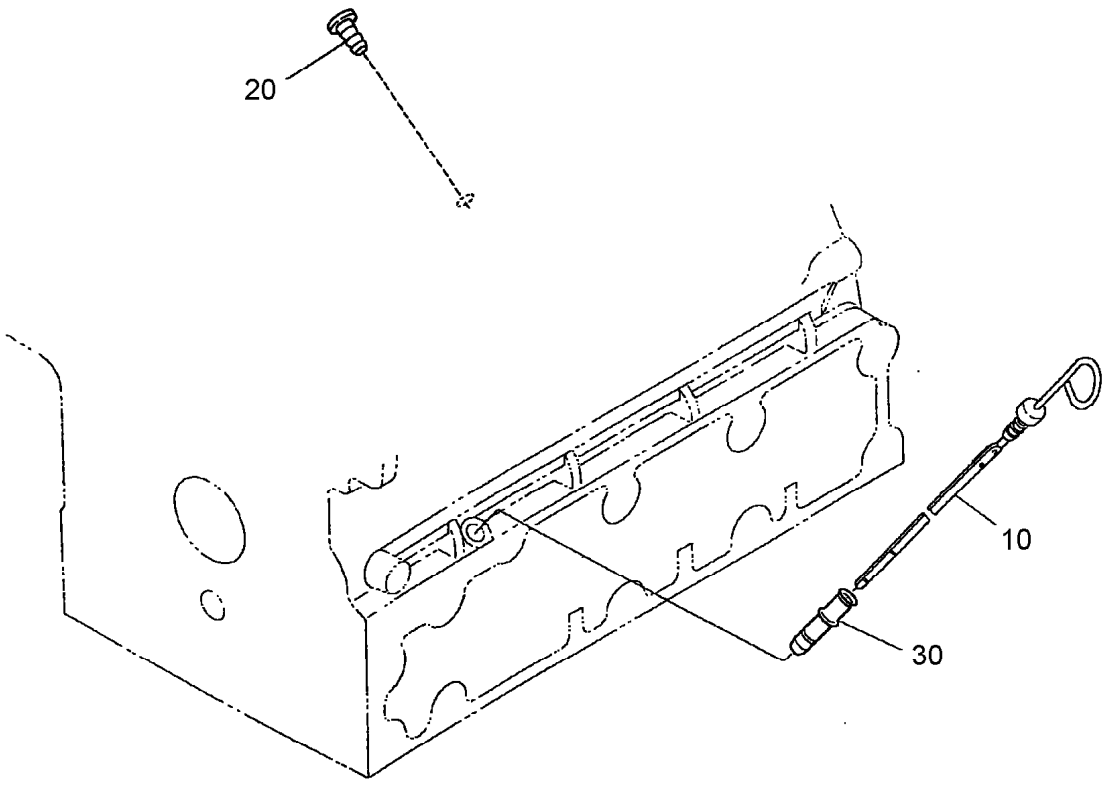
Head Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-7056	1	Tube-Breather
20	108-2859	1	Clamp-Hose
30	108-7057	1	Clamp-Tube, Breather
35	98-7610	1	Bolt
40	108-7058	1	Cylinder Head Cover ASM
50	108-7059	1	Shield-Breather
60	98-7766	1	Pipe-Return, Water
70	108-7060	1	Cover-Breather
80	108-7061	1	O Ring-Breather
90	98-9364	4	Screw (With Washer)
100	108-7062	1	Gasket-Cover, Head
110	108-7063	10	Bolt
120	98-7429	1	Plug-Filter, Oil
130	108-7064	1	O-Ring



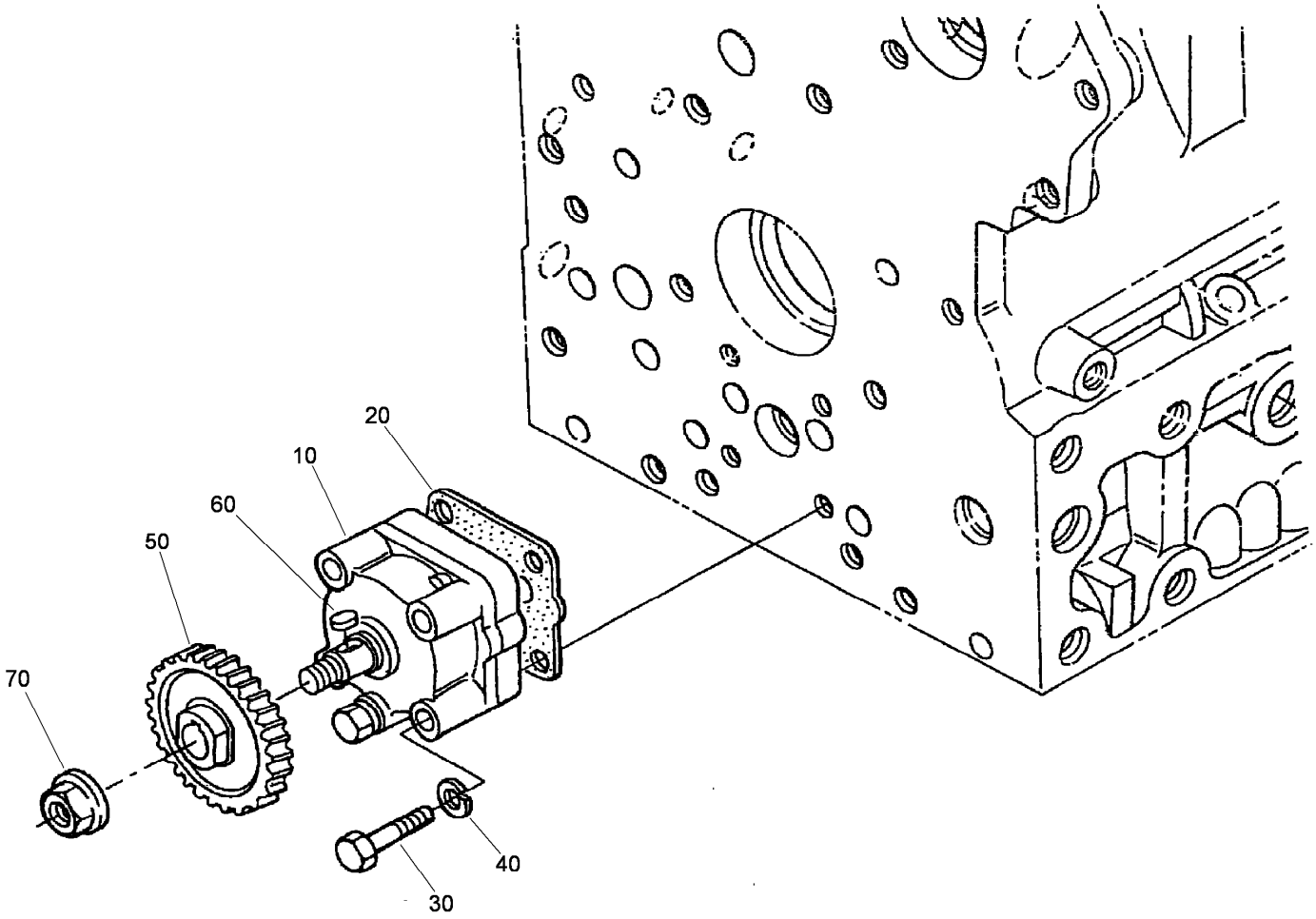
Oil Filter Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-5169	1	Filter-Oil
20	100-9166	1	Connector
30	100-9167	1	Collar



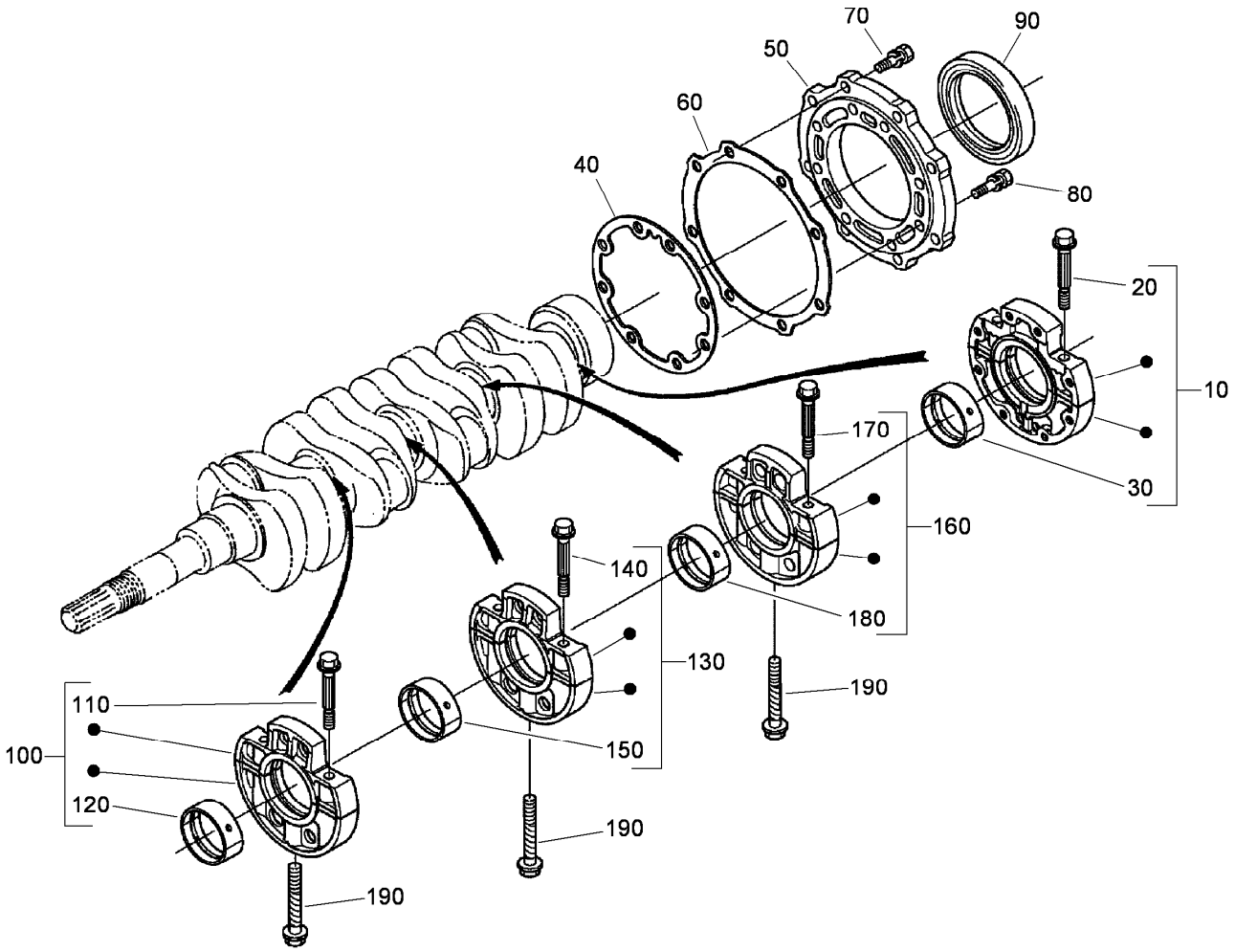
Dipstick and Guide Assembly

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



Oil Pump Assembly

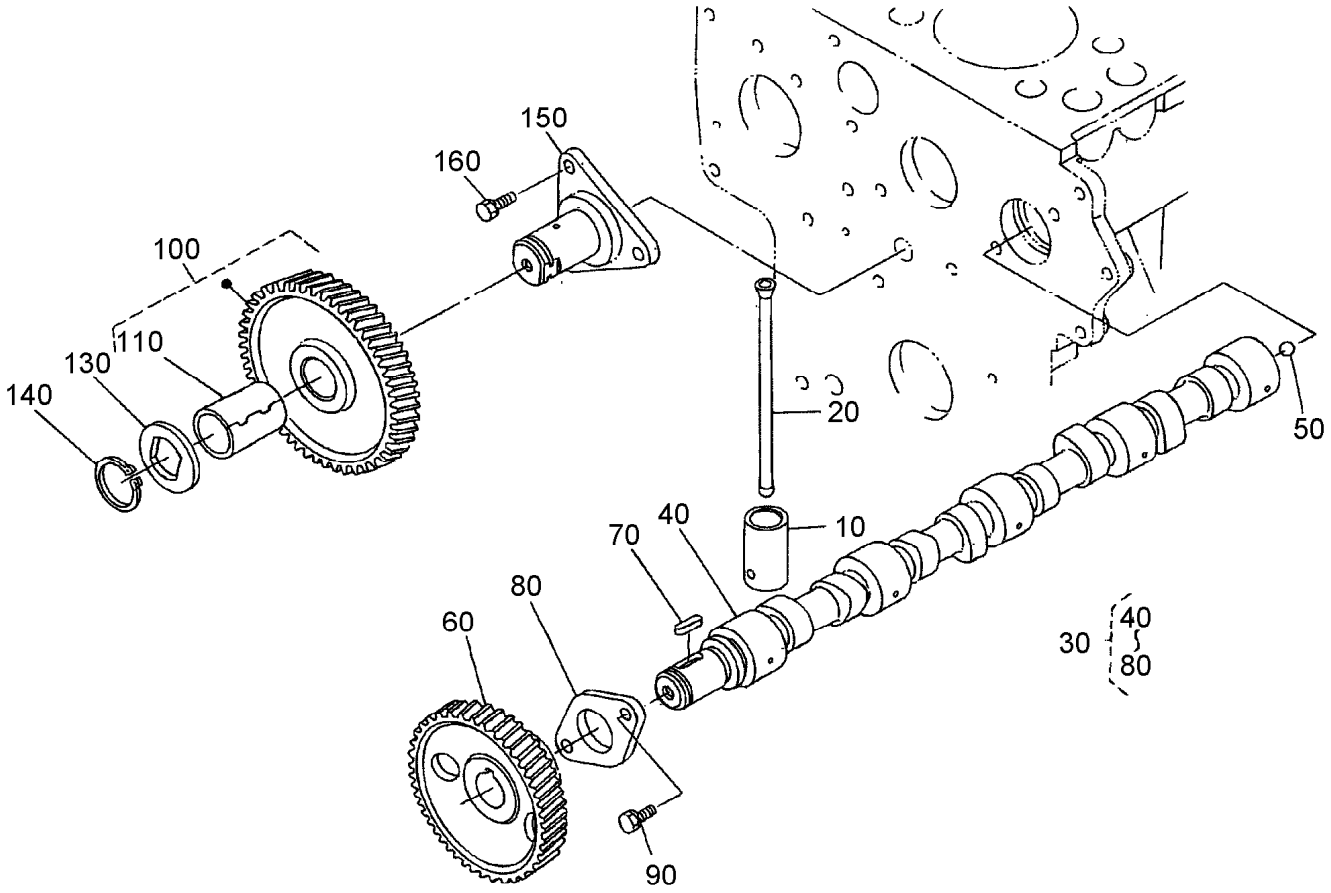
Ref.	*Part Number*	*Qty.*	*Description*
10	100-9170	1	Oil Pump ASM
20	98-7513	1	Gasket-Pump, Oil
30	98-7514	4	Bolt
40	98-7699	4	Washer-Spring
50	98-7516	1	Gear-Drive, Oil Pump
60	98-7517	1	Key-Feather
70	98-7518	1	Nut-Flange



Main Bearing Case

Ref.	Part Number	Qty.	Description
10	108-7065	1	Wheel Bearing Case ASM
20	108-7066	2	Bolt-Case, Bearing
30	108-7069	1	Metal-Crankshaft (-0.40Mm)
30	108-7068	1	Metal-Crankshaft (-0.20Mm)
30	108-7067	1	Metal-Crankshaft (STD)
40	108-7070	1	Gasket-Case, Bearing
50	108-7071	1	Cover-Case, Bearing
60	98-7437	1	Gasket-Case Cover, Bearing
70	98-7438	8	Bolt
80	98-7439	8	Bolt
90	108-7072	1	Seal-Oil
100	108-7073	1	Main Bearing Case ASM
110	108-7066	2	Bolt-Case, Bearing

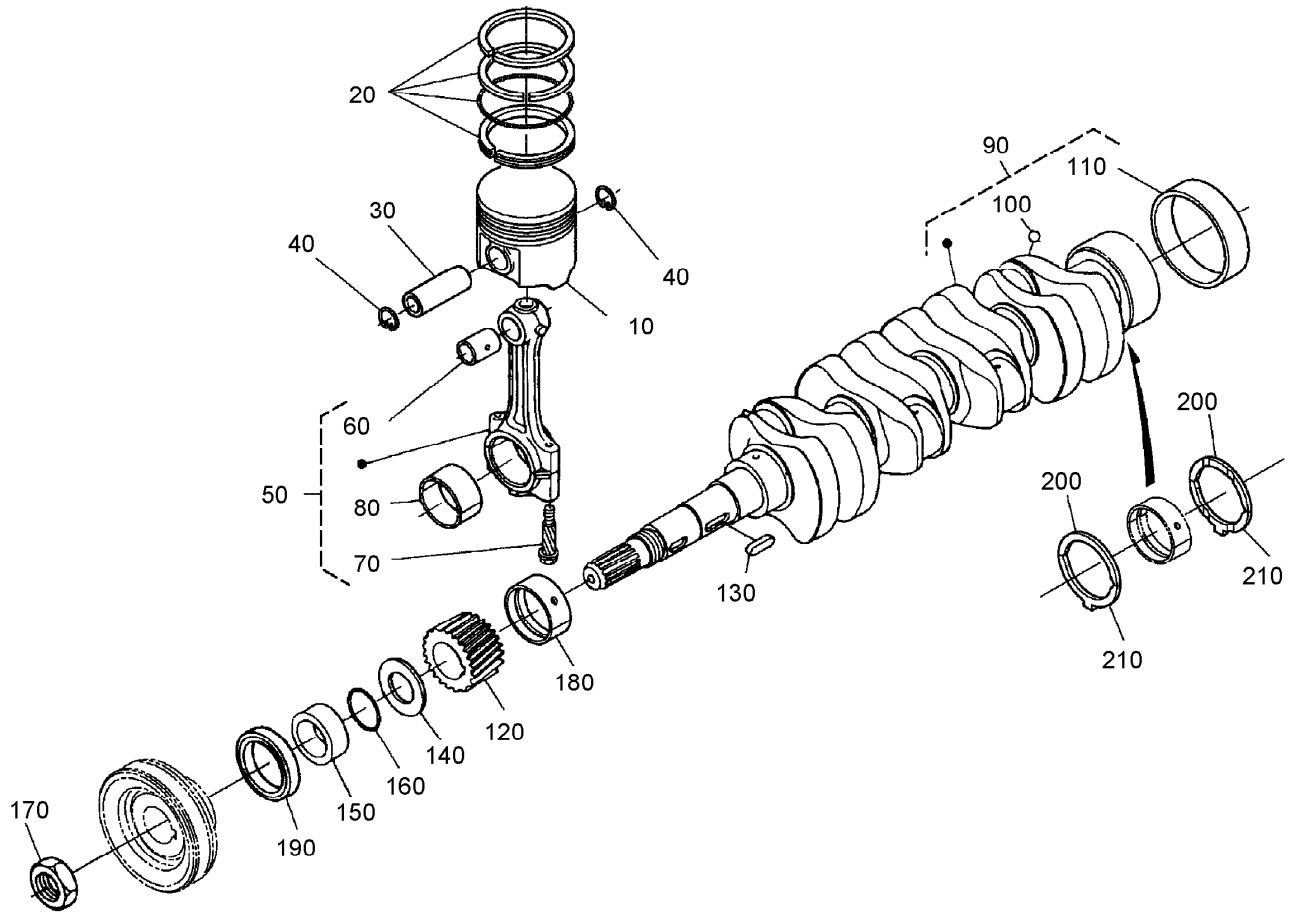
Ref.	Part Number	Qty.	Description
120	108-7069	1	Metal-Crankshaft (-0.40Mm)
120	108-7068	1	Metal-Crankshaft (-0.20Mm)
120	108-7067	1	Metal-Crankshaft (STD)
130	108-7074	1	Main Bearing Case ASM
140	108-7066	2	Bolt-Case, Bearing
150	108-7067	1	Metal-Crankshaft (STD)
150	108-7068	1	Metal-Crankshaft (-0.20Mm)
150	108-7069	1	Metal-Crankshaft (-0.40Mm)
160	108-7097	1	Main Bearing Case ASM
170	108-7066	2	Bolt-Case, Bearing
180	108-7069	1	Metal-Crankshaft (-0.40Mm)
180	108-7068	1	Metal-Crankshaft (-0.20Mm)
180	108-7067	1	Metal-Crankshaft (STD)
190	98-7444	3	Bolt-Case, Bearing



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		1	Camshaft ●
50	98-7473	1	Ball
60	98-7450	1	Gear-Camshaft
70	98-7451	1	Key-Feather
80	98-7452	1	Stopper-Camshaft
90	98-7453	2	Bolt
100	107-0109	1	Gear-Idler
110	98-7455	1	Bushing-Gear, Idler
130	107-0111	1	Collar
140	107-0112	1	Circlip-External
150	107-0113	1	Shaft-Gear, Idler
160	98-7453	3	Bolt

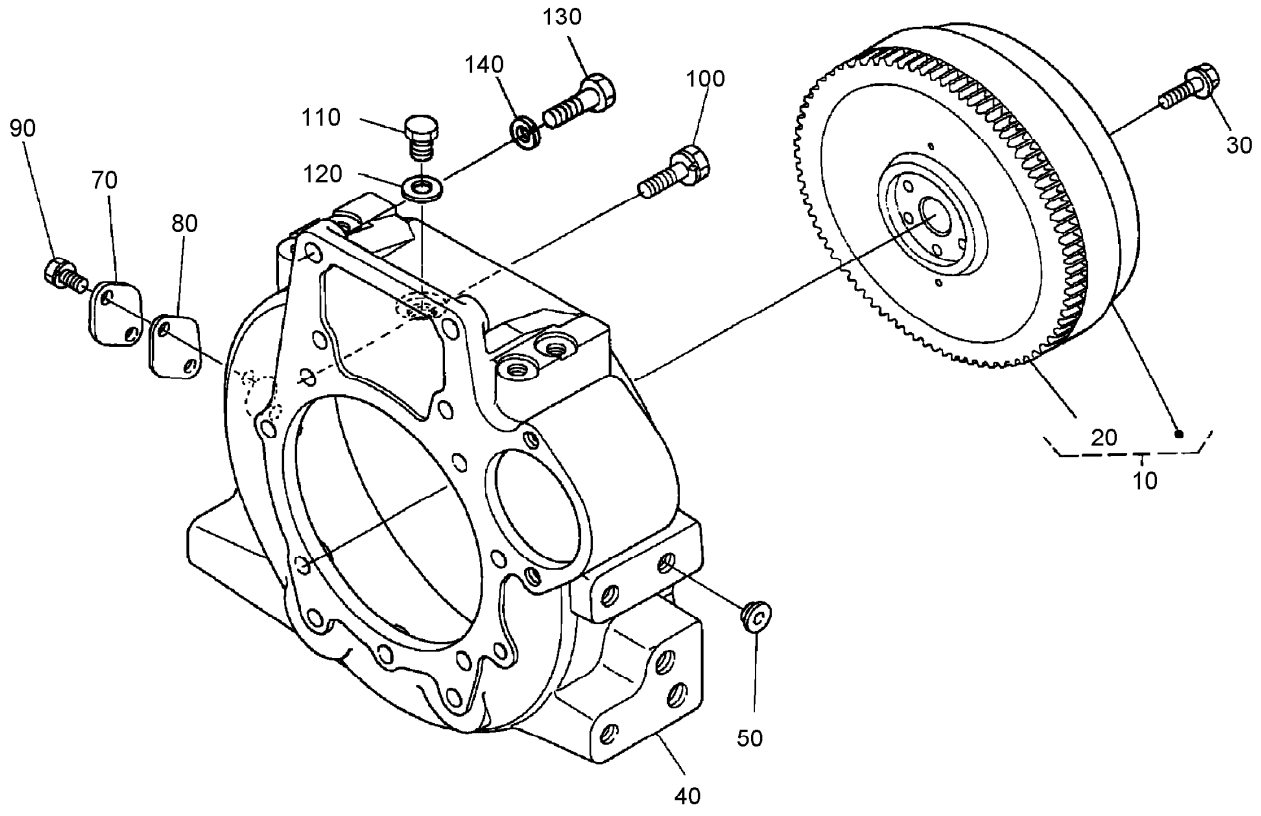
● Not serviced separately



Piston and Crankshaft Assembly

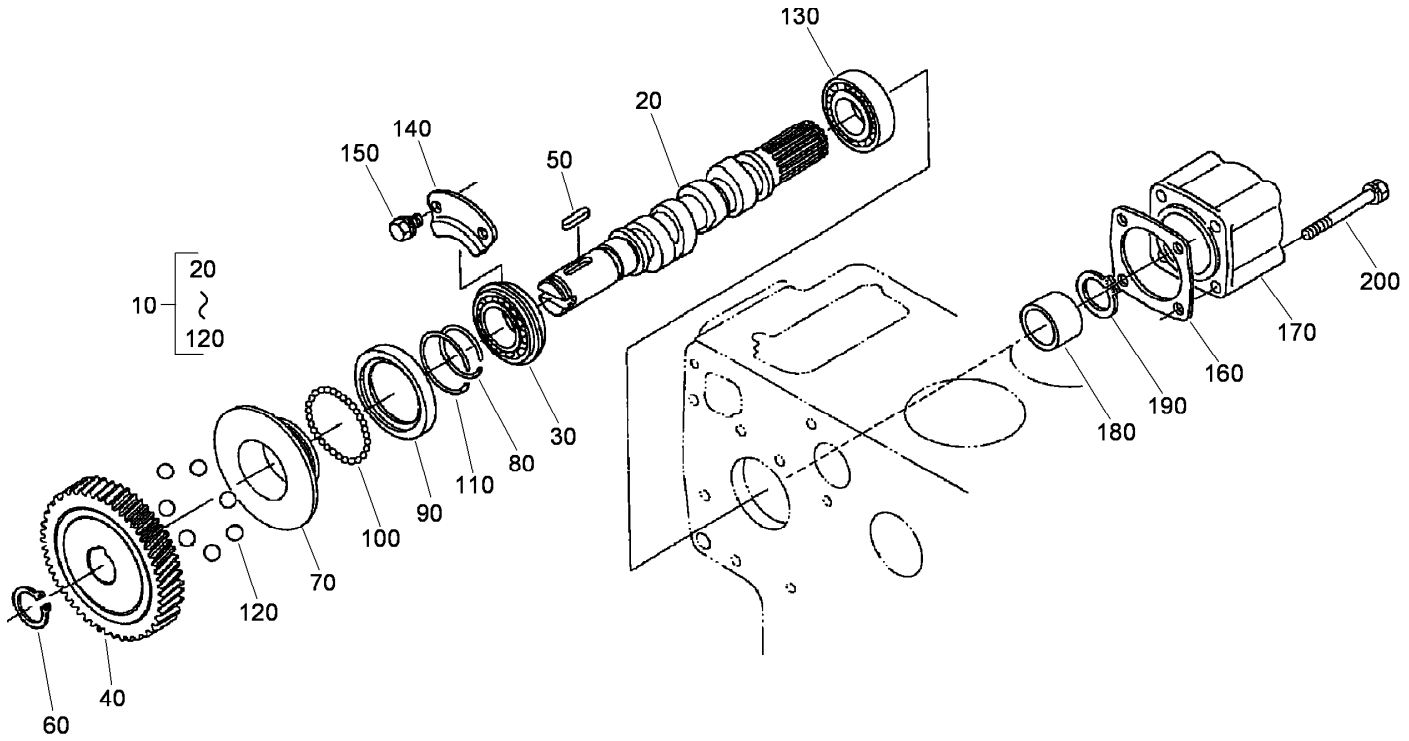
Ref.	*Part Number*	*Qty.*	*Description*
10	112-7000	4	Piston ASM
10	99-5435	1	Piston (.50Mm)
20	99-5436	1	Piston Ring ASM (0.50Mm)
20	100-9182	4	Piston Ring ASM (STD)
30	98-7464	4	Pin-Piston
40	98-7465	8	Clip-Pin, Piston
50	98-7466	4	Connecting Rod ASM
60	98-7467	4	Bushing-Pin, Piston
70	98-7468	8	Bolt-Rod, Connecting
80	98-7471	4	Metal-Crankpin (-0.40Mm)
80	98-7470	4	Metal-Crankpin (-0.20Mm)
80	98-7469	4	Metal-Crankpin (STD)
90	110-6195	1	Crankshaft-Complete (350001 Or Newer)
90	98-7472	1	Crankshaft-Complete (Prior To 350001)
100	98-7473	4	Ball

Ref.	*Part Number*	*Qty.*	*Description*
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	108-7077	1	Metal-Crankshaft (-0.40Mm)
180	108-7075	1	Metal-Crankshaft (STD)
180	108-7076	1	Metal-Crankshaft (-0.20Mm)
190	98-7480	1	Seal-Oil
200	108-7080	2	Metal-Side (+0.40Mm)
200	108-7079	2	Metal-Side (+0.20Mm)
200	108-7078	2	Metal-Side (STD)
210	108-7083	2	Metal-Side (+0.40Mm)
210	108-7082	2	Metal-Side (+0.20Mm)
210	108-7081	2	Metal-Side (STD)



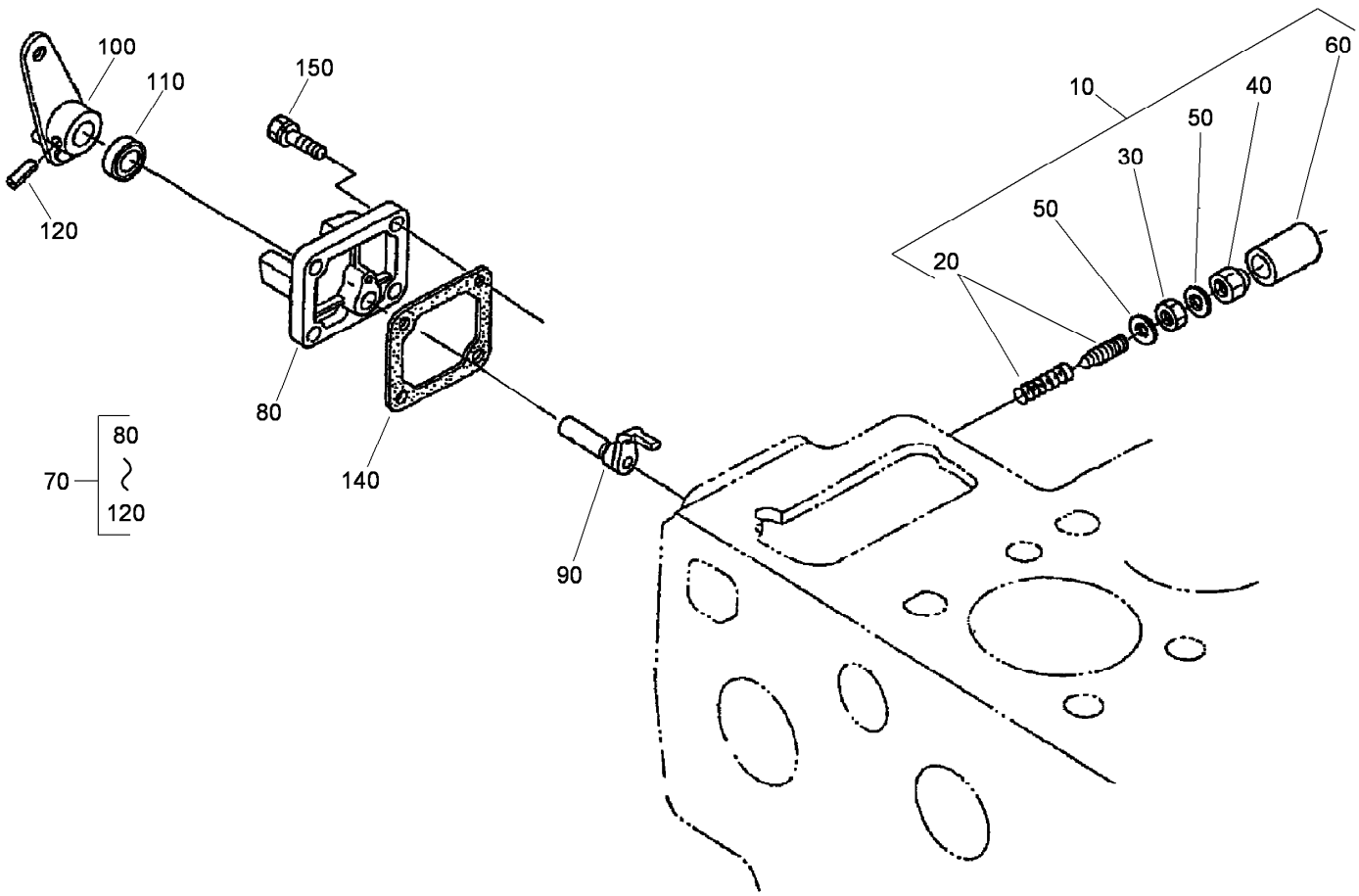
Flywheel Assembly

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
50	100-9189	2	Plug
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



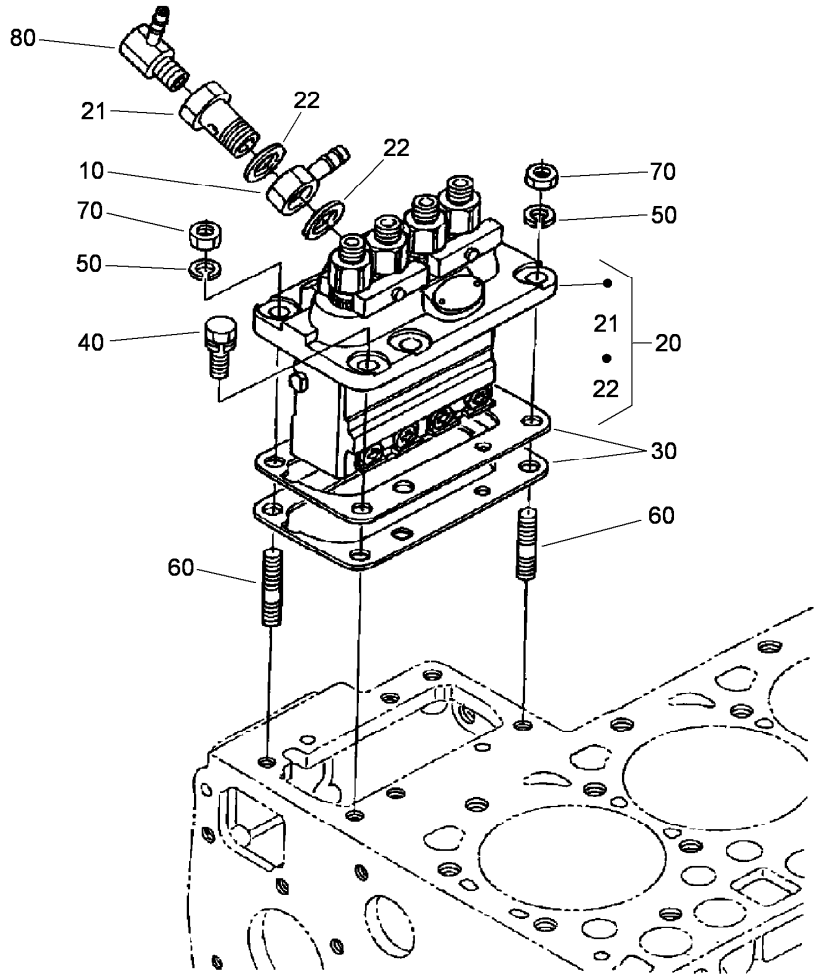
Fuel Camshaft and Governor Shaft Assembly

Ref.	*Part 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	108-7084	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



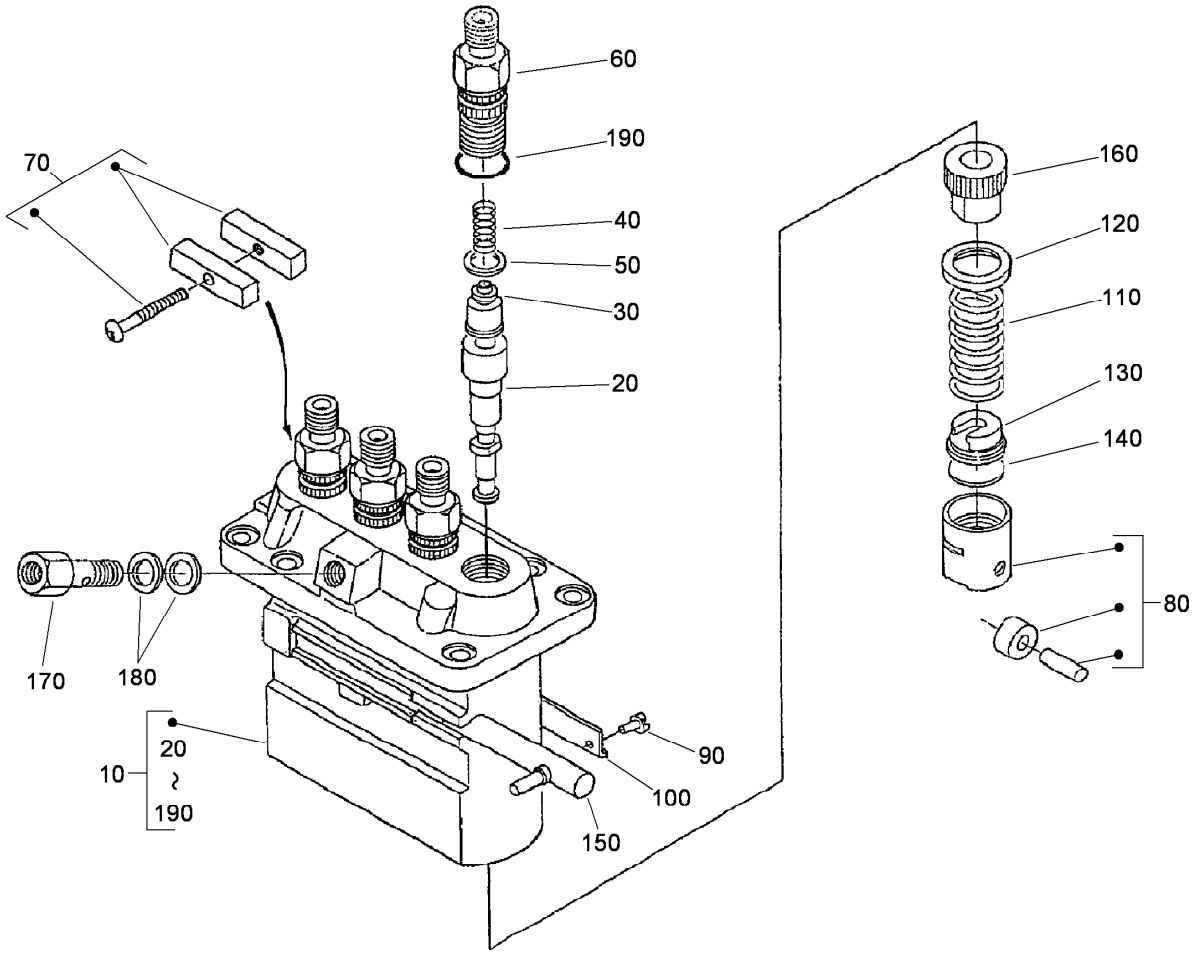
Engine Stop Lever Assembly

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
140	98-7604	1	Gasket-Cover, Pump
150	98-7605	4	Bolt



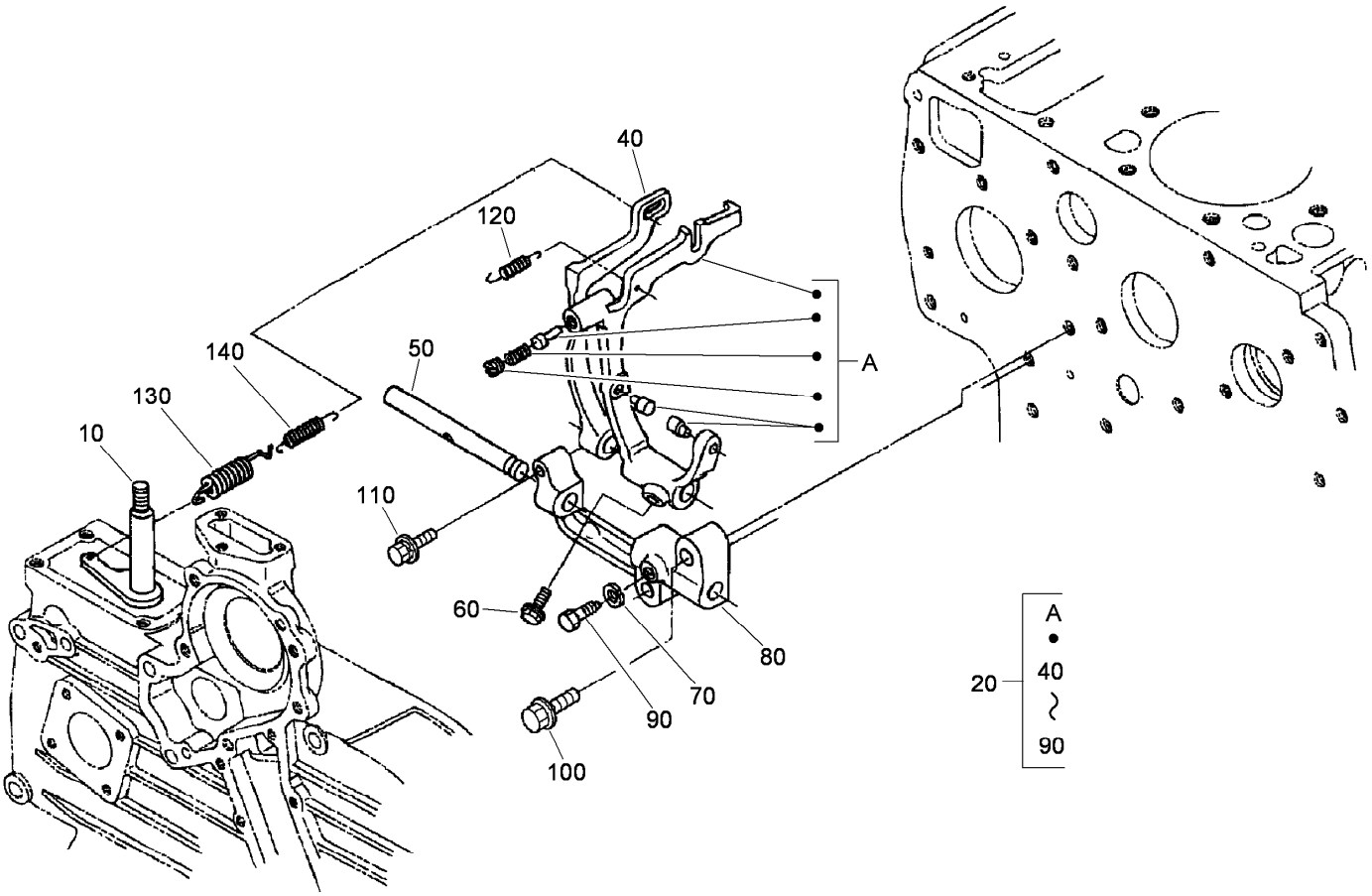
Injection Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7617	1	Joint
20	100-9201	1	Injection Pump ASM
21	98-7635	1	Screw
22	98-7636	2	Gasket
30	98-7609	1	Shim-Pump, Injection
30	98-7608	1	Shim
30	98-7607	1	Shim-Pump, Injection (0.200Mm)
40	98-7610	4	Bolt
50	105-2893	2	Washer-Spring
60	100-1558	2	Stud
70	98-7534	2	Nut
80	107-4300	1	Orifice ASM



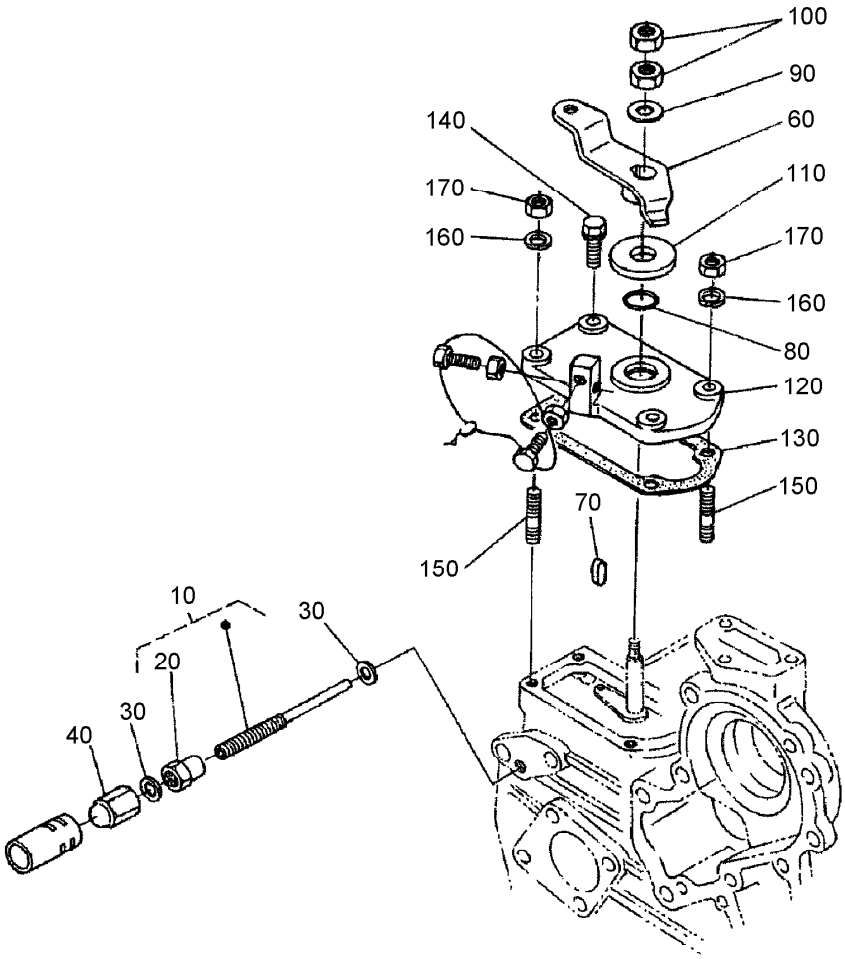
Injection Pump (Component Part) Assembly

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



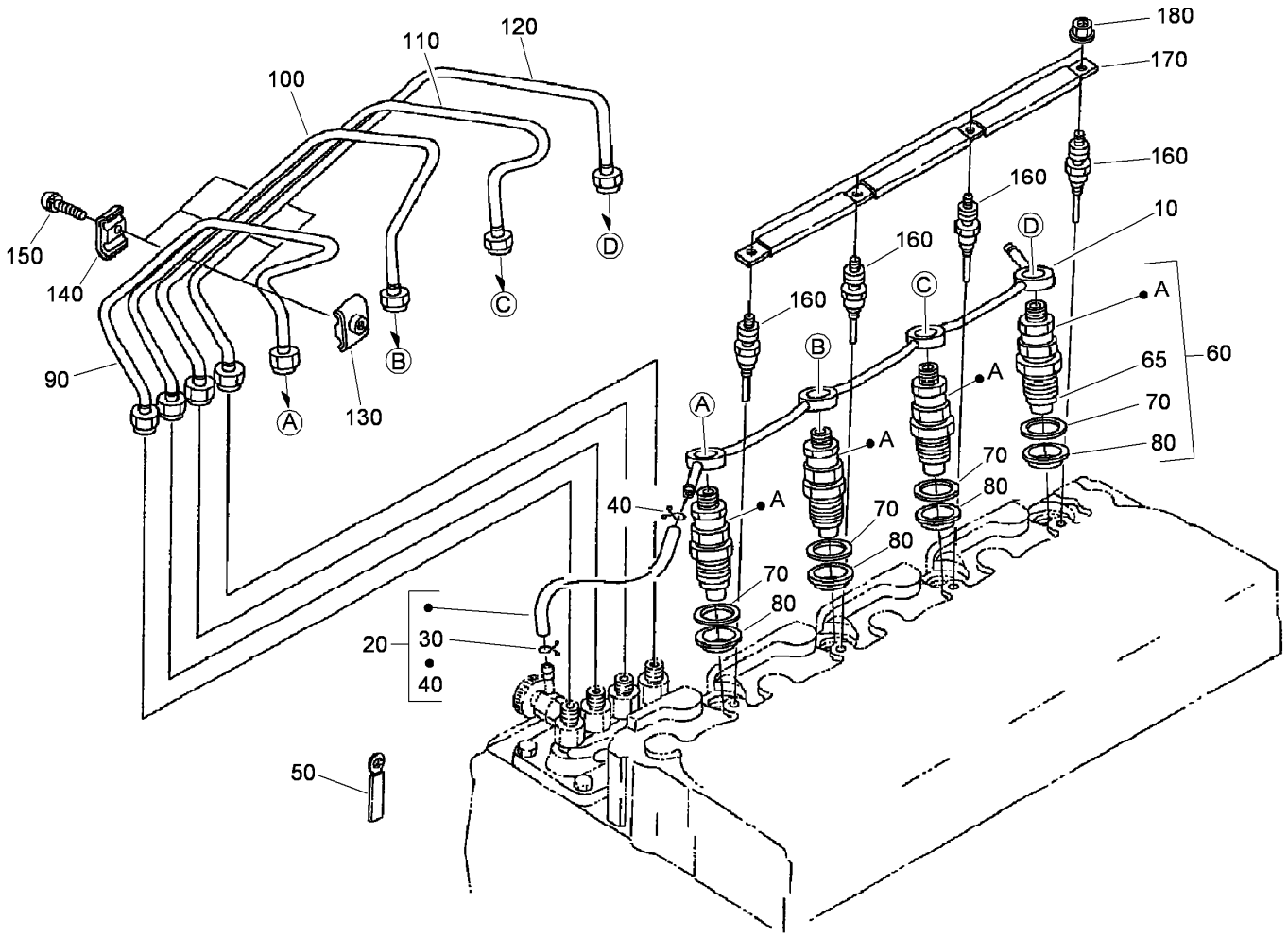
Governor Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7638	1	Lever-Governor
20	100-9204	1	Lever-Fork
40	100-9206	1	Lever-Fork
50	107-0120	1	Shaft-Lever, Fork
60	107-0116	1	Bolt-Flange
70	98-7699	1	Washer-Spring
80	98-7643	1	Holder-Lever, Fork
90	98-7644	1	Bolt
100	108-7085	2	Bolt-Flange
110	108-7086	1	Bolt
120	100-9207	1	Spring-Start
130	100-9208	1	Spring-Governor
140	98-7651	1	Spring-Governor



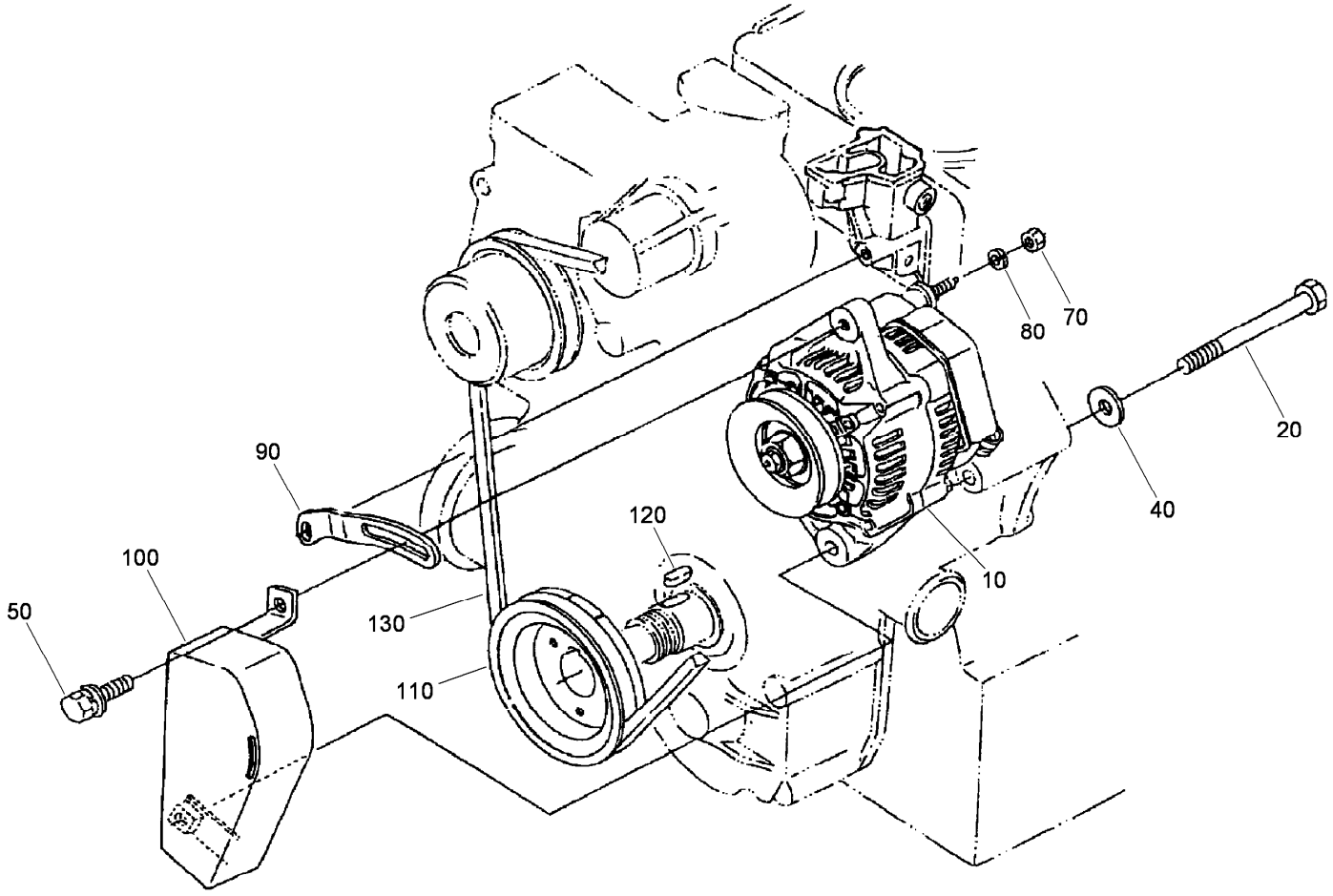
Speed Control Plate Assembly

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	108-7087	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	2	Nut



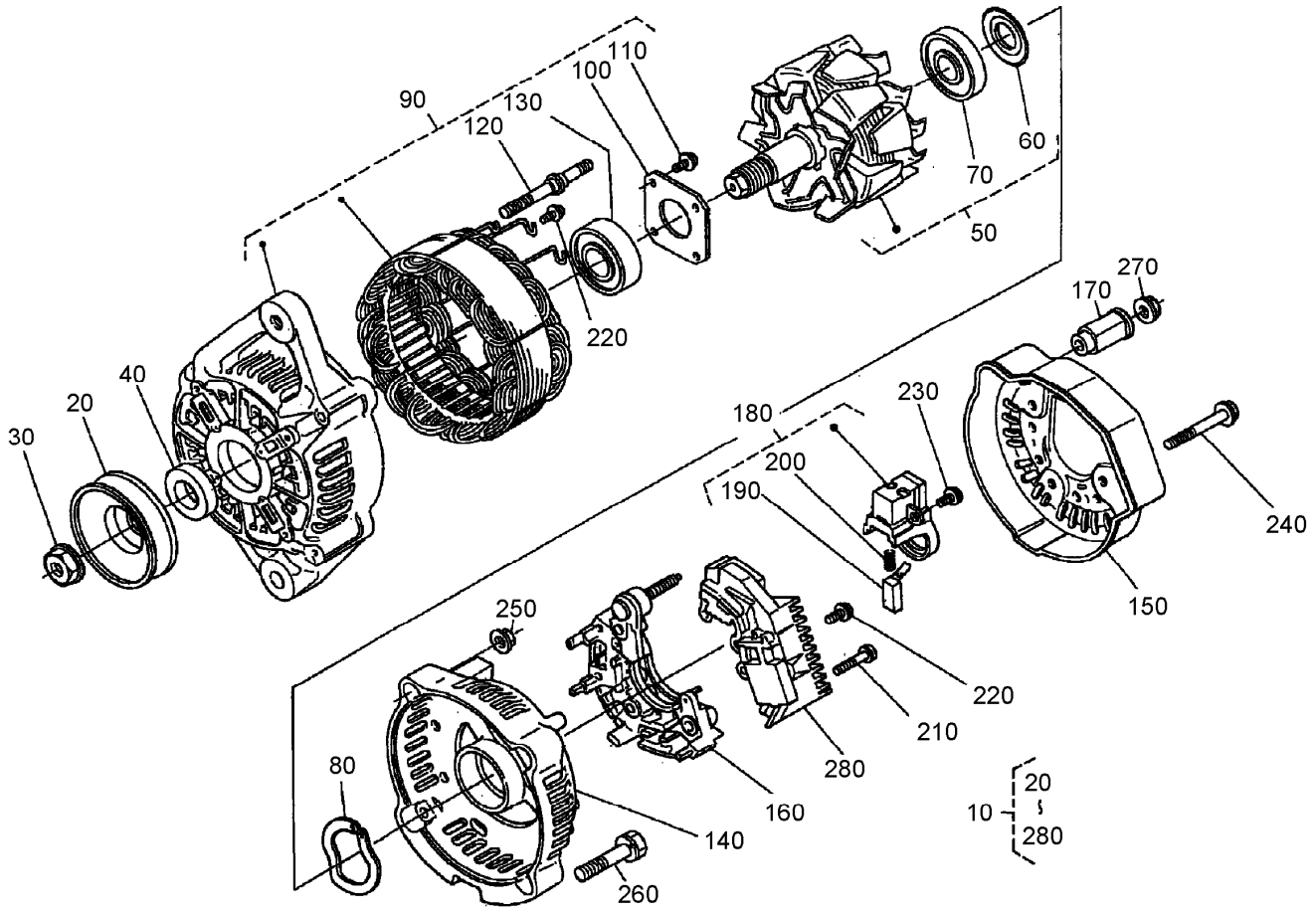
Nozzle Holder and Glow Plug Assembly

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



Alternator and Pulley Assembly

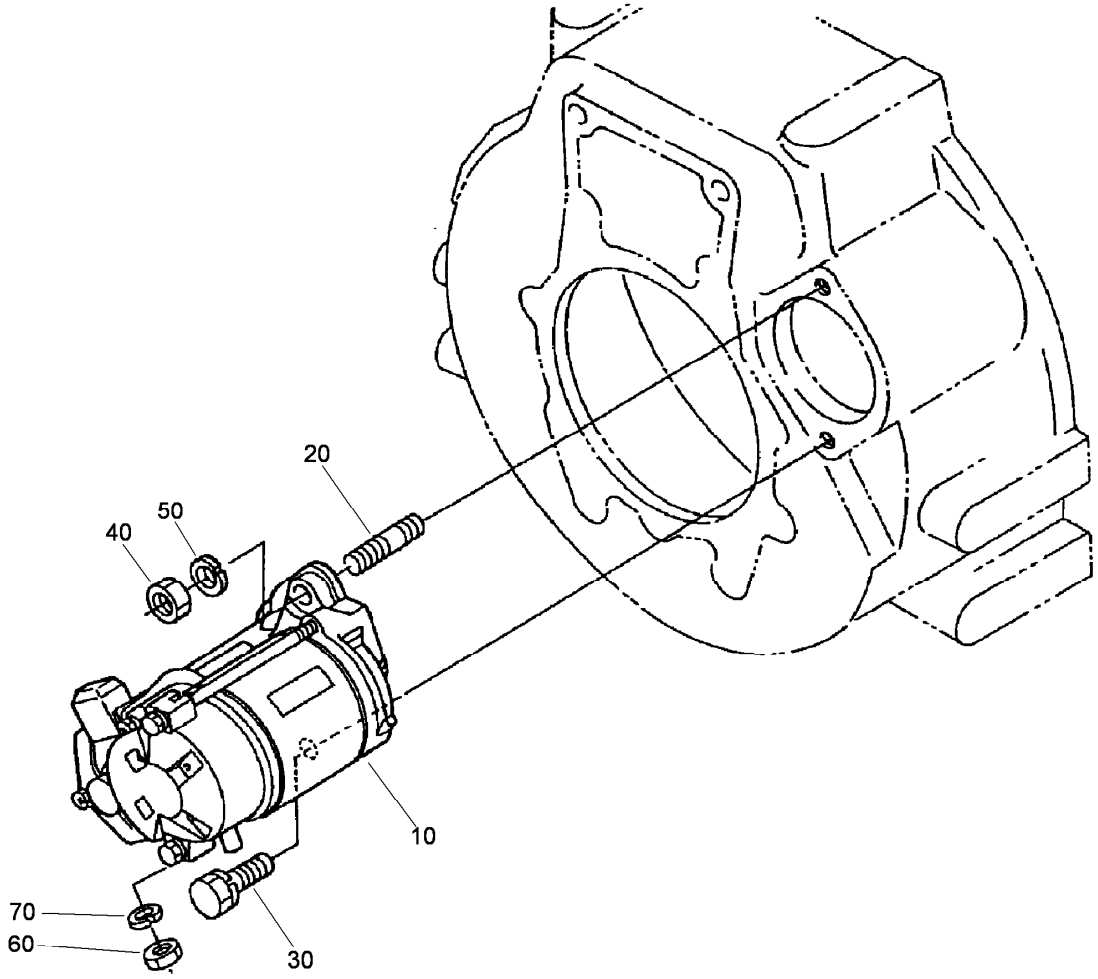
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7693	1	Alternator ASM
20	98-7695	1	Bolt
40	98-9366	1	Washer-Plain
50	108-7088	1	Bolt
70	98-7572	1	Nut
80	98-7699	1	Washer-Spring
90	105-2872	1	Bracket-Alternator
100	98-7701	1	Cover-Belt
110	106-2044	1	Pulley-Drive, Fan
120	98-7451	1	Key-Feather
130	98-7705	1	V-Belt



Alternator (Component Part) Assembly

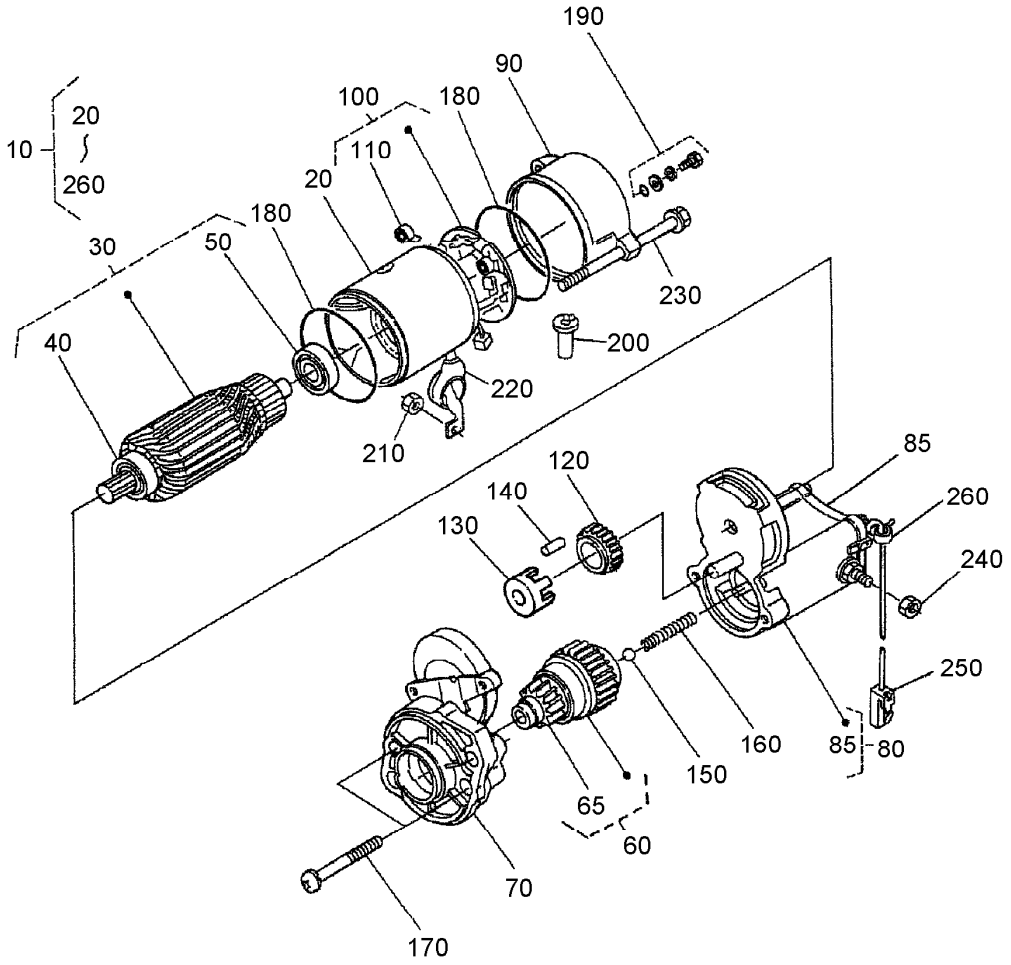
Ref.	Part Number	Qty.	Description
10	98-7693	1	Alternator ASM
20	98-7707	1	Pulley-Alternator
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	98-7719	1	Frame-End

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
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	107-9088	1	Regulator ASM



Starter Assembly

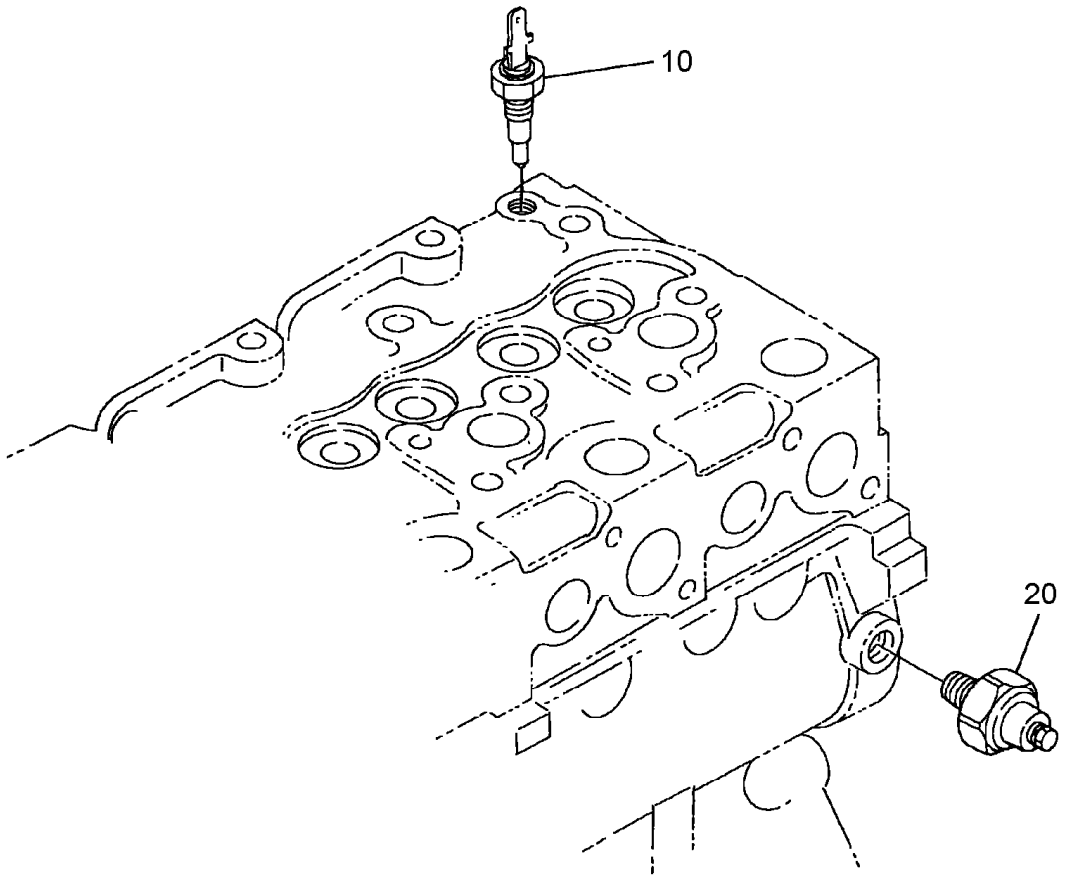
Ref.	*Part Number*	*Qty.*	*Description*
10	100-9237	1	Starter ASM
20	98-7735	1	Stud
30	98-7736	1	Bolt
40	98-7737	1	Nut
50	98-7738	1	Washer-Spring
60	98-7739	1	Nut
70	105-2893	1	Washer-Spring



Starter (Component Part) Assembly

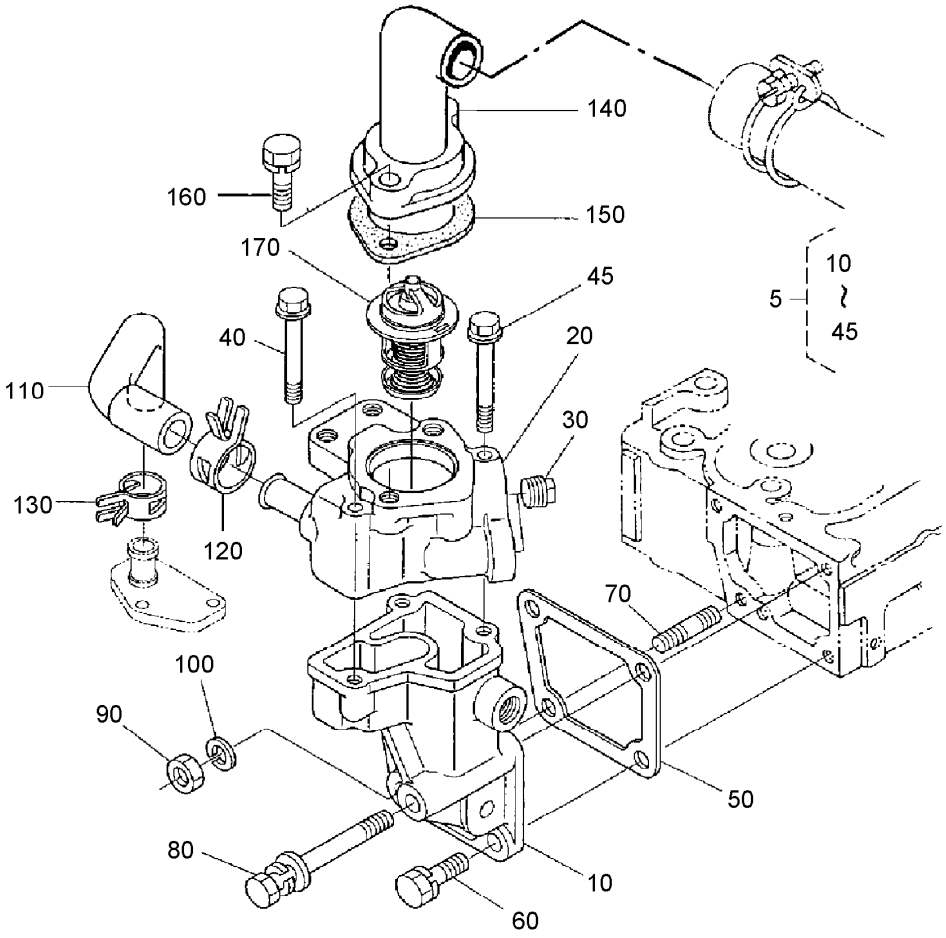
Ref.	Part Number	Qty.	Description
10	100-9237	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	98-7745	1	Clutch-Running, Over
65	105-2887	1	Pinion-Bevel
70	98-7746	1	Frame-End, Drive
80	100-9239	1	Magentic Switch ASM
85	105-2886	1	Cover ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear

Ref.	Part Number	Qty.	Description
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	99-8371	1	Nut-Hex
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



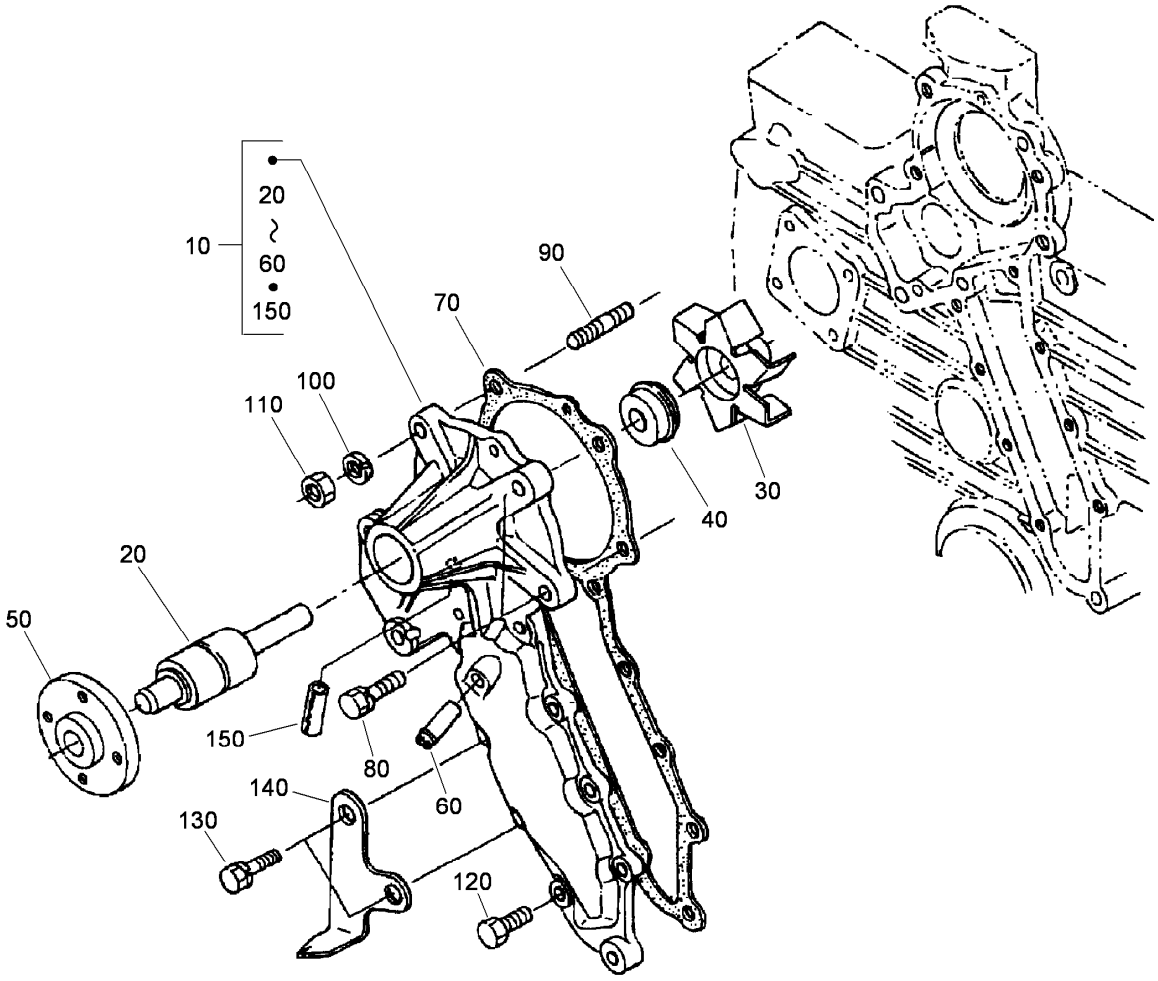
Oil Switch / Thermometer and Plug Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	99-3582	1	Thermoswitch
20	98-7764	1	Switch-Oil



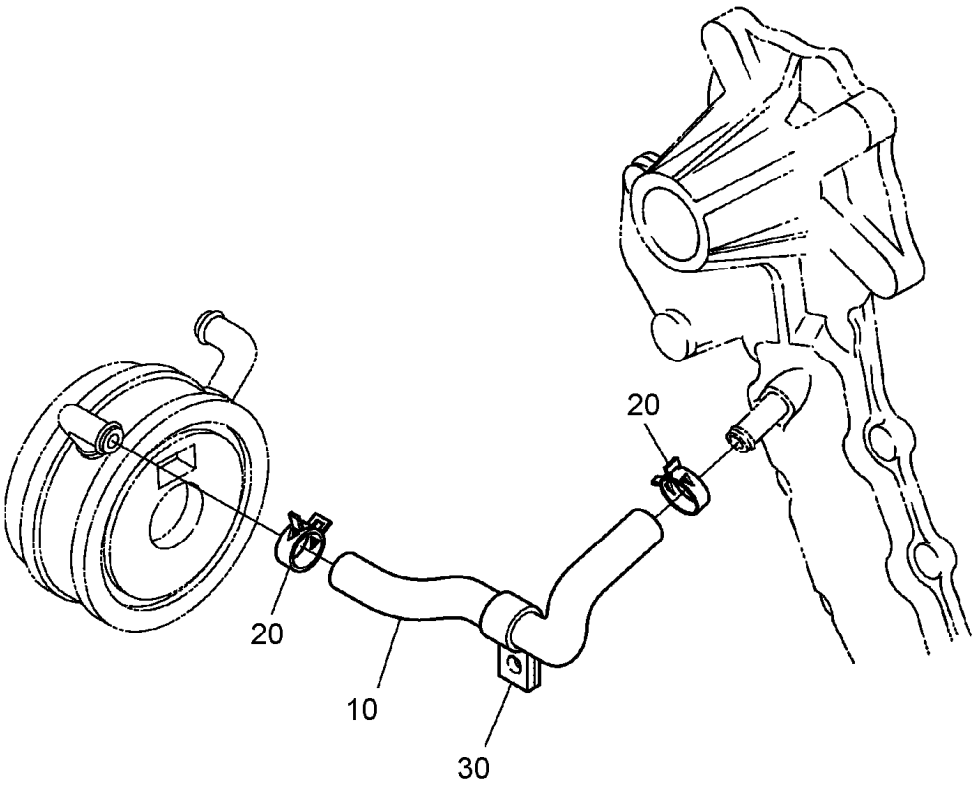
Water Flange and Thermostat Assembly

Ref.	*Part Number*	*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	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
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	105-3748	1	Gasket-Thermostat
160	98-7777	2	Bolt
170	105-2881	1	Thermostat ASM



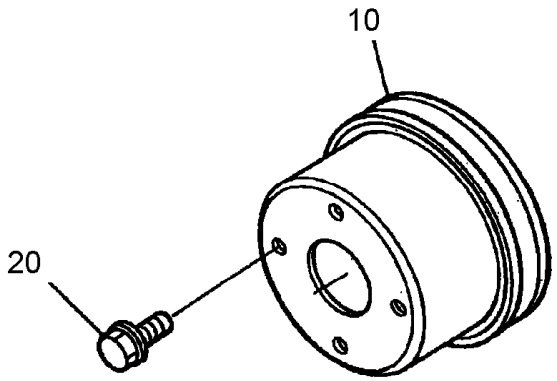
Water Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	107-0129	1	Water Pump ASM
20	98-7780	1	Bearing-Ball
30	107-0130	1	Impeller-Pump, Water
40	105-2882	1	Mechanical Seal ASM
50	108-7089	1	Flange-Shaft, Water Pump
60	98-9580	1	Pipe-Return, Water
70	98-7784	1	Gasket-Pump, Water
80	98-7439	2	Bolt
90	108-7090	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



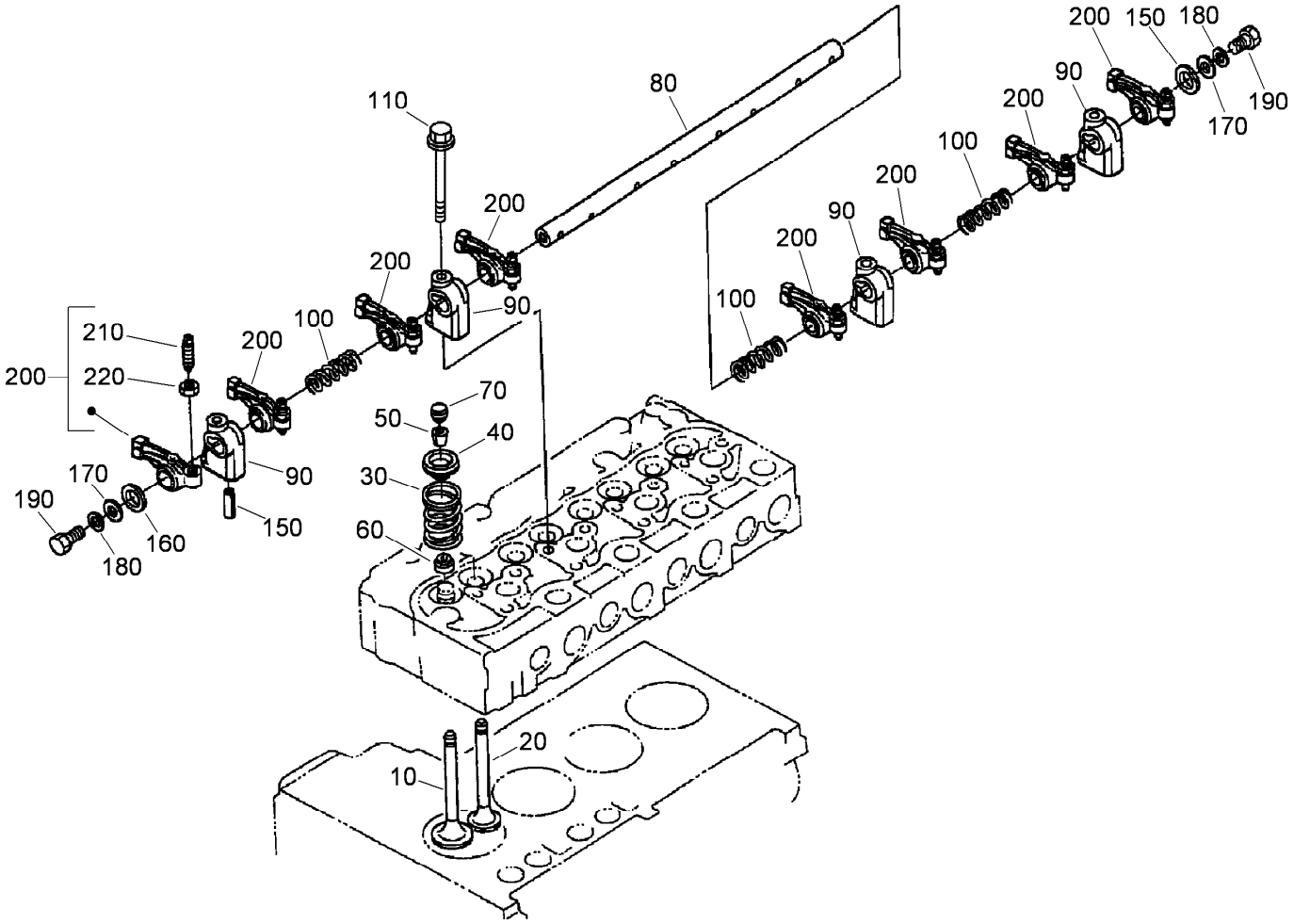
Water Pipe Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	107-0124	1	Pipe-Cooler, Oil
20	98-9579	2	Band-Pipe
30	107-0123	1	Clamp-Cord



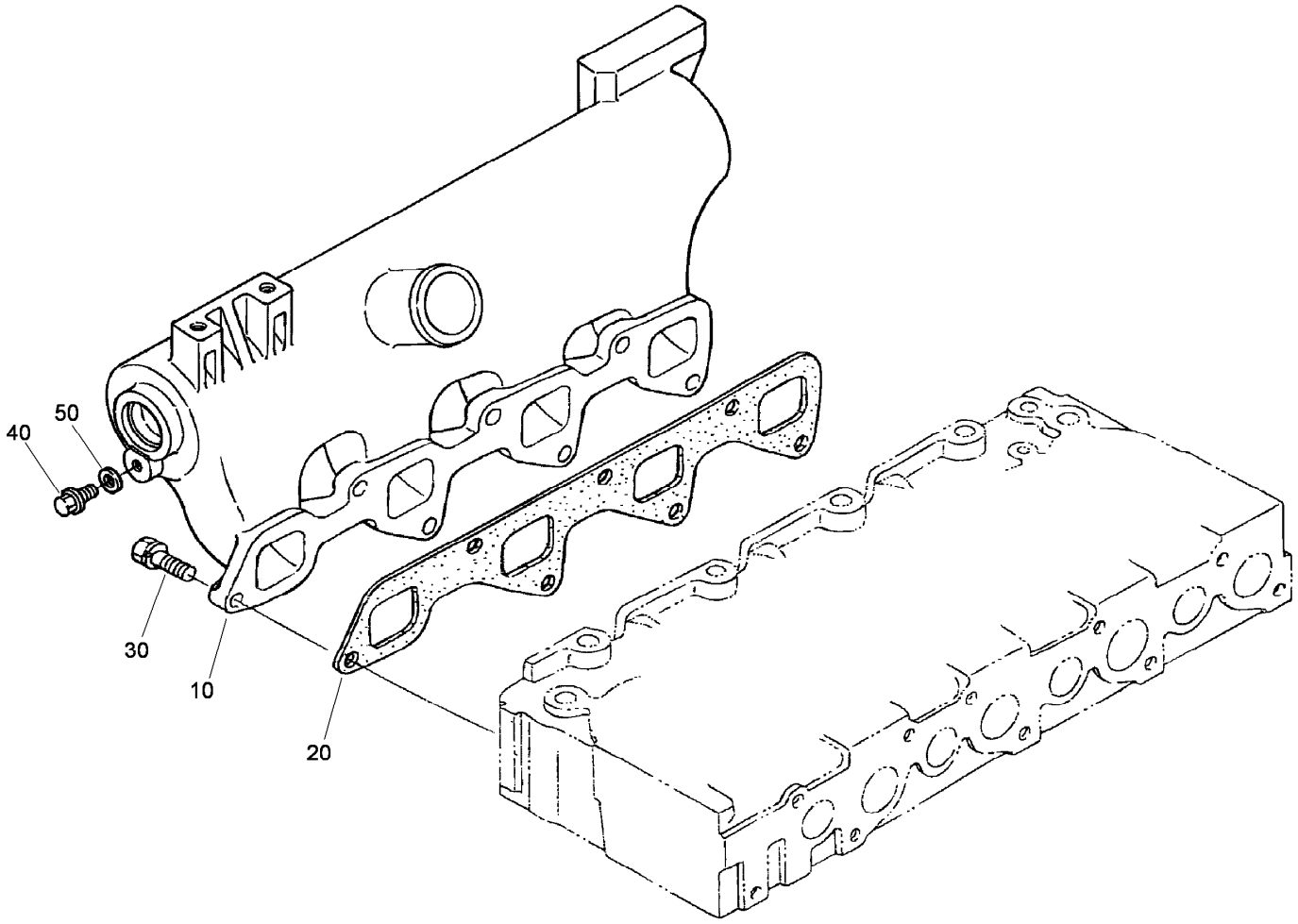
Fan Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7702	1	Pulley-Fan
20	107-4317	4	Bolt-Flange



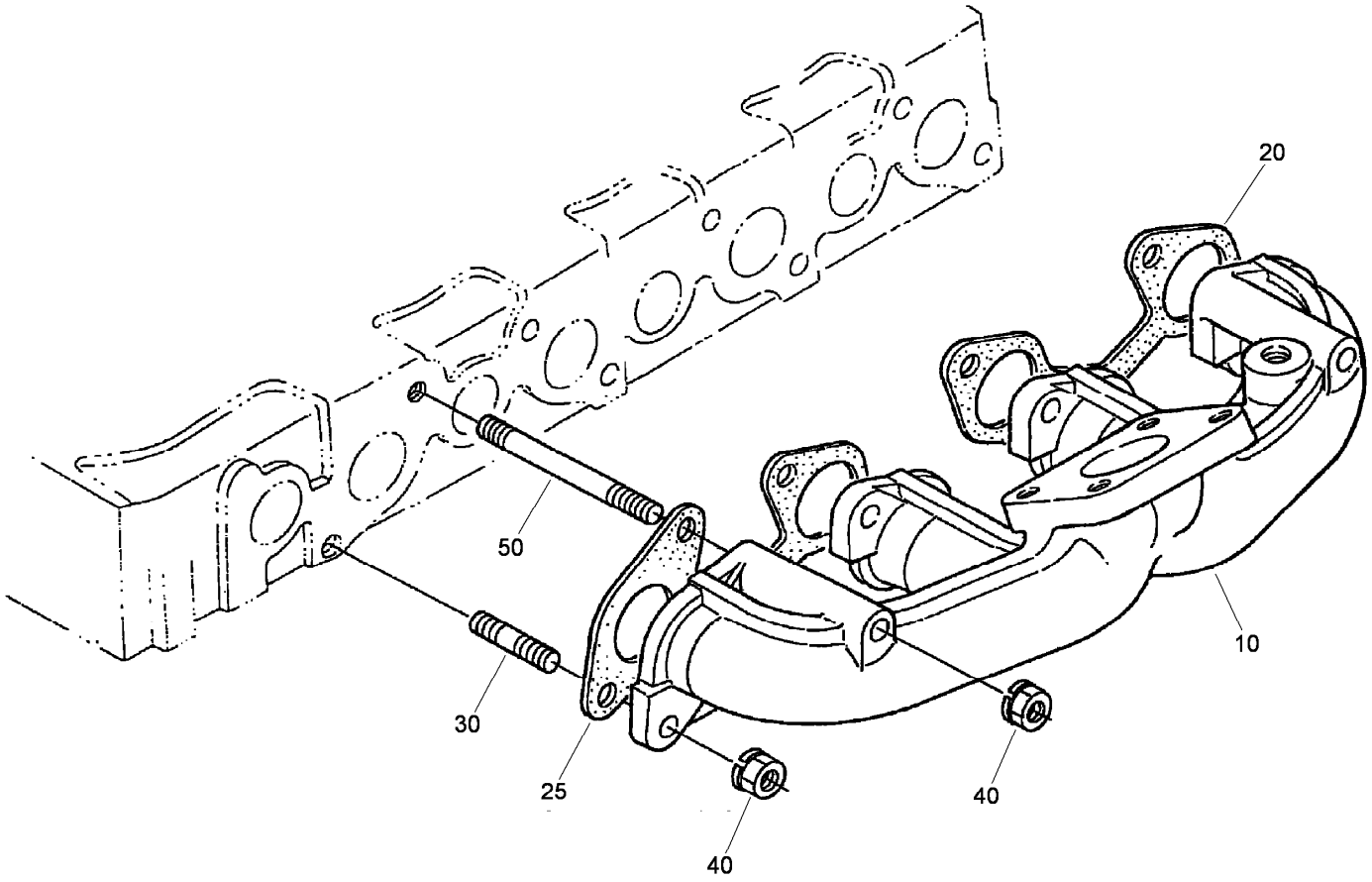
Valve and Rocker Arm Assembly

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
90	98-7800	4	Bracket-Arm, Rocker
100	98-7807	3	Spring-Arm, Rocker
110	108-7091	4	Bolt-Flange
150	98-7805	1	Pin-Spring
160	98-7806	2	Washer
170	98-7660	2	Washer-Plain
180	105-2893	4	Washer-Spring
190	98-7884	2	Bolt
200	98-7809	8	Rocker Arm ASM
210	98-7810	8	Screw-Adjusting
220	98-7811	8	Nut



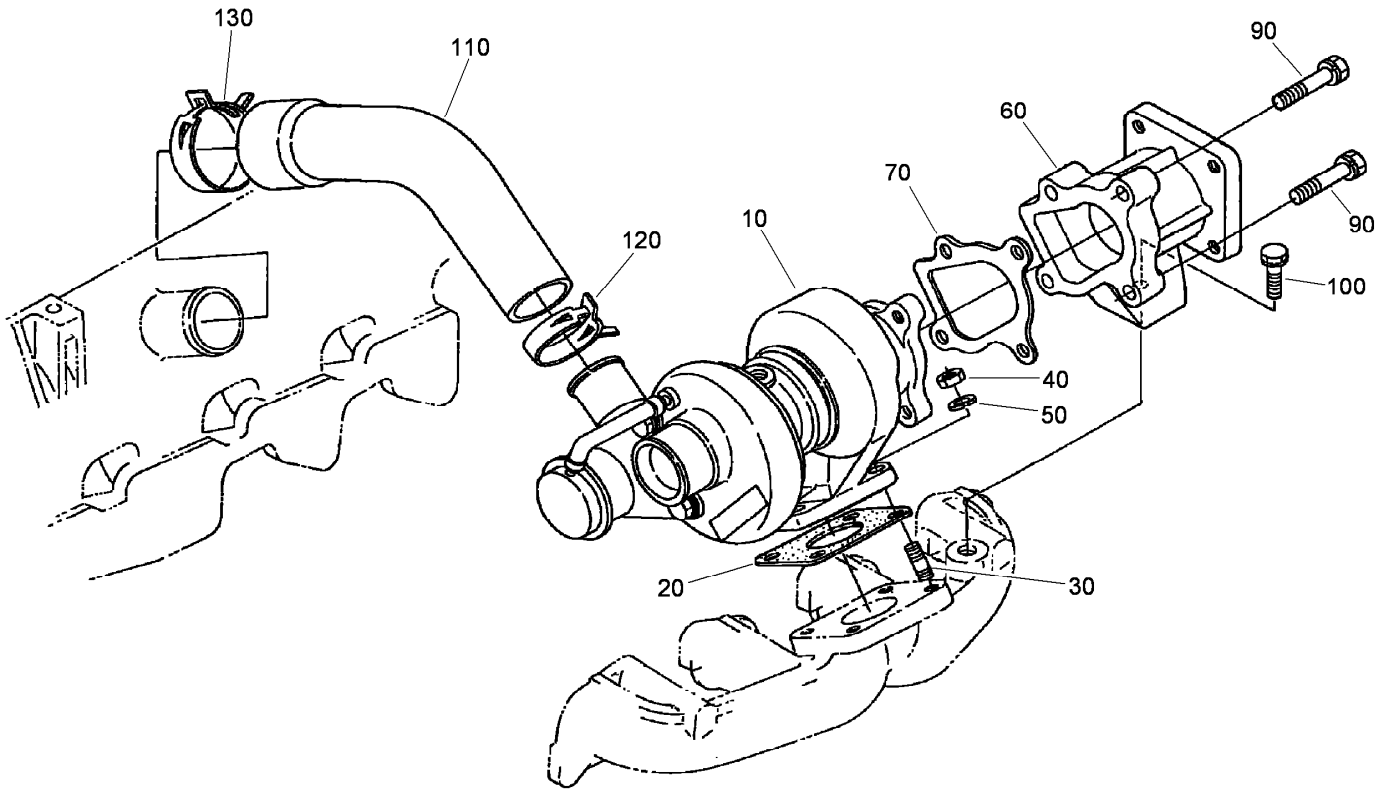
Inlet Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-9283	1	Inlet-Manifold
20	100-9284	1	Gasket-Manifold, Intake
30	98-7610	7	Bolt
40	107-4317	1	Bolt-Flange
50	98-7654	1	Gasket



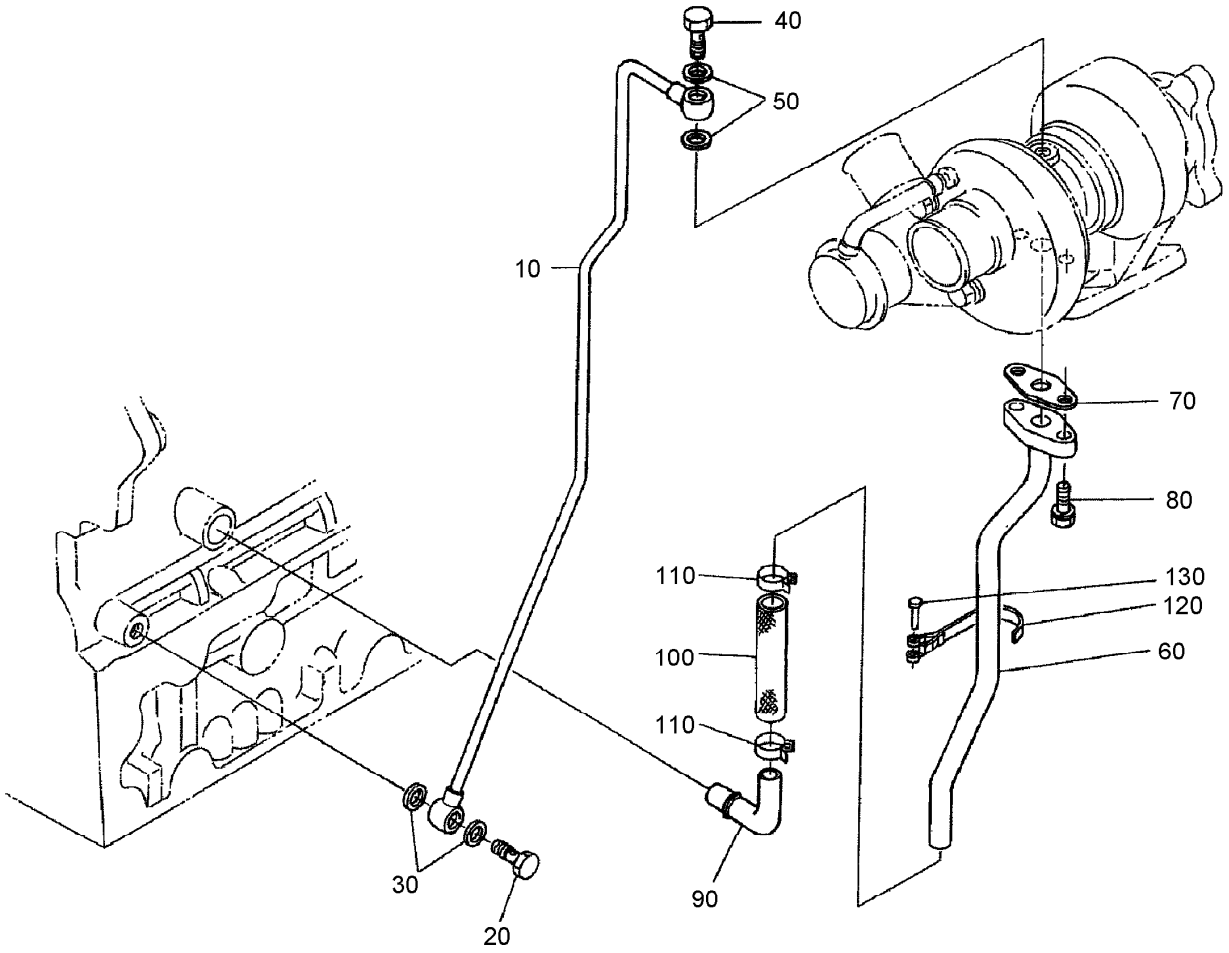
Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-7092	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



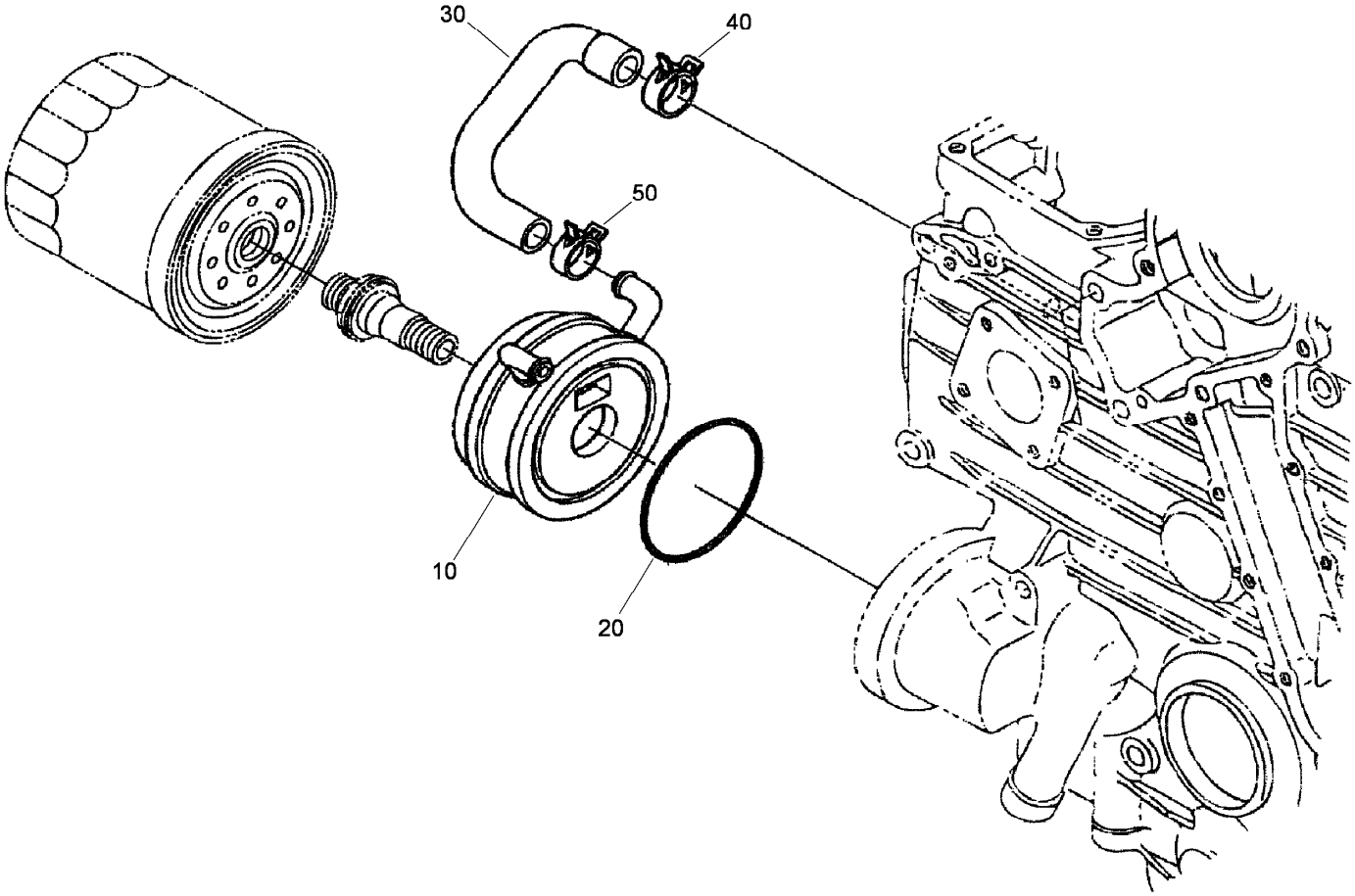
Turbo Charger Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-7093	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	108-7094	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



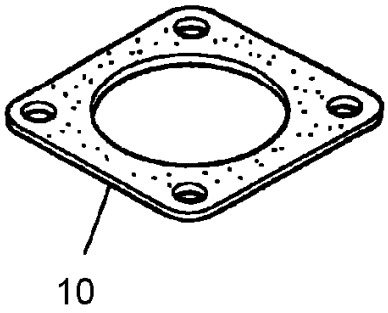
Oil Pipe (Turbo Charger) Assembly

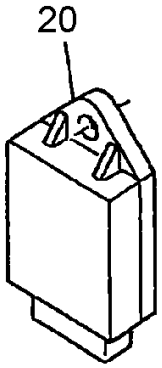
Ref.	*Part Number*	*Qty.*	*Description*
10	107-0127	1	Pipe-Oil, Complete
20	100-9321	1	Bolt-Joint, Eye
30	98-7428	2	Gasket
40	98-9418	1	Bolt-Joint, Eye
50	99-8346	2	Gasket
60	107-0128	1	Pipe-Oil, Complete
70	98-9435	1	Gasket-Oil Return, Turbo
80	98-7605	2	Bolt
90	100-9323	1	Pipe-Oil
100	108-7095	1	Tube-Oil
110	98-9714	2	Clamp-Hose
120	108-7096	1	Clamp-Pipe
130	98-9591	1	Pin-Band



Oil Cooler Assembly

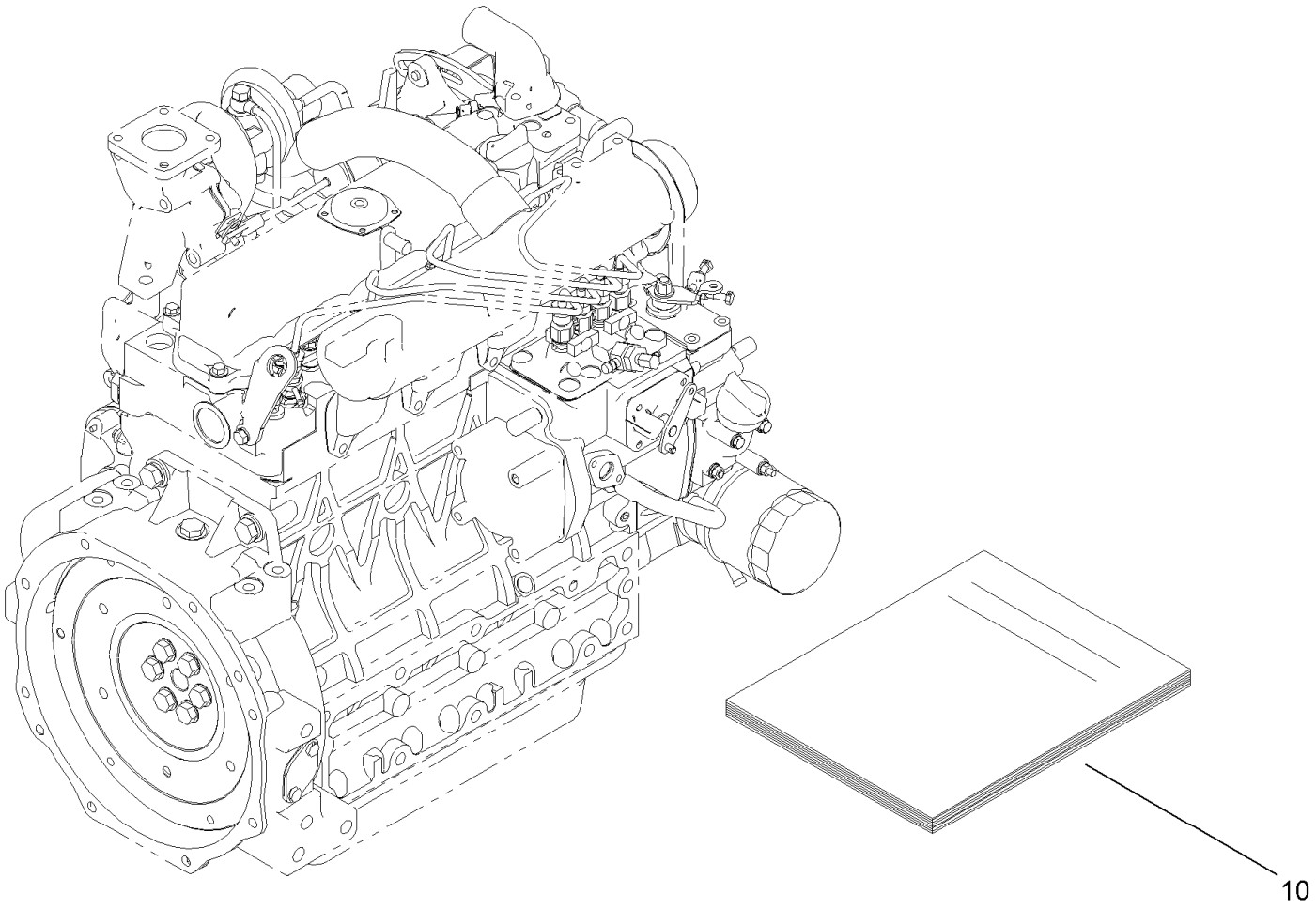
Ref.	*Part Number*	*Qty.*	*Description*
10	107-0125	1	Oil Cooler ASM
20	110-6181	1	O-Ring
30	107-0126	1	Hose-Cooler, Oil
40	105-2879	1	Clamp-Hose
50	98-9579	1	Band-Pipe





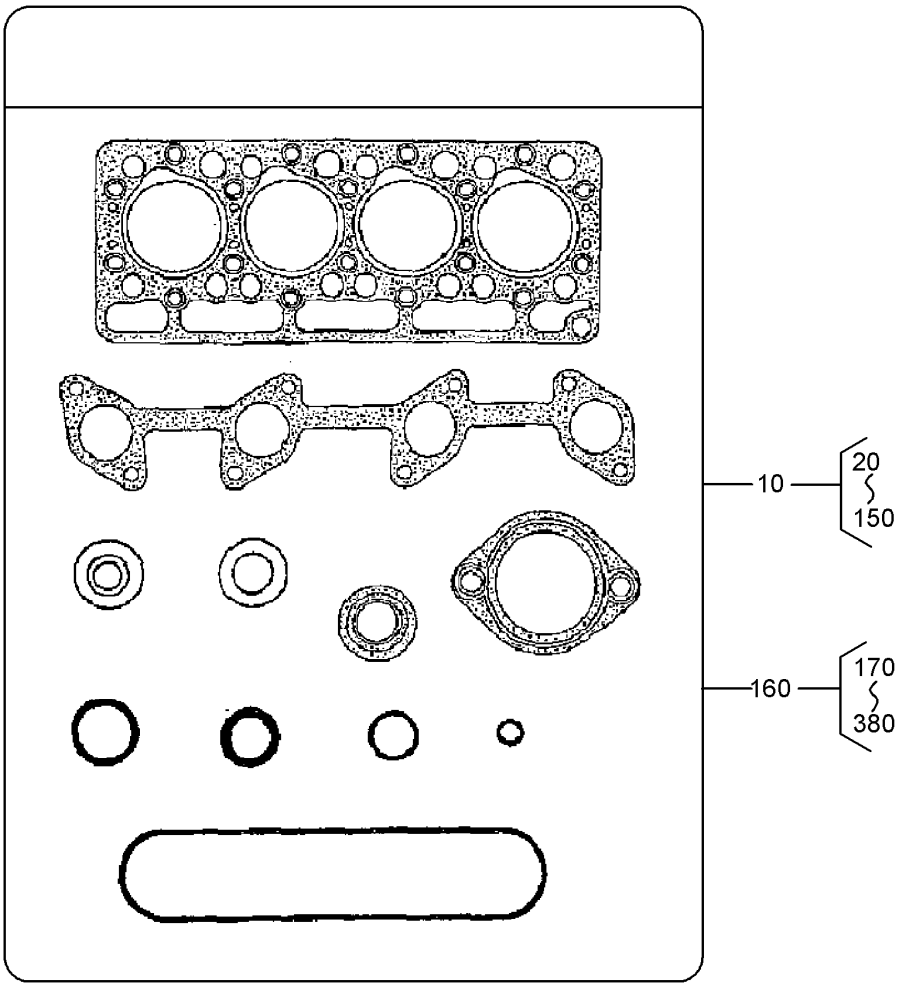
Muffler Gasket and Glow Controller

Ref.	*Part Number*	*Qty.*	*Description*
10	100-9333	1	Gasket-Muffler
20	98-7611	1	Controller-Glow



Engine Operators Manual

Ref.	*Part Number*	*Qty.*	*Description*
10	100-9335	1	Manual-Instruction



Gasket Kit

Ref.	*Part Number*	*Qty.*	*Description*
10	100-9337	1	Upper Gasket Kit
160	110-0025	1	Lower Gasket Kit

Attachments and Accessories

For 30411TE Groundsmaster 4100-D Traction Unit

Product Name	Model/Part
Front Plate Service Kit	107-4328
Atomic Blade Service Pack	108-1451
Accessory Wiring Kit	110-3263
Flat Blade Service Pack (19in)	110-6140
Hardtop Sunshade	30359
Deluxe Seat Suspension	30396
Standard Seat Kit	30398
Service Cutting Unit	30418
Leaf Mulcher Kit	30419
Speed Control Kit	30421
Hood Screen Kit	30424
Rotary Broom	30426
Air Conditioner Mounting Kit	30427
Flow Divider Kit	30429
Road Light Kit	30442
Air Ride Seat Suspension Kit	30621
Premium Seat Kit	30622
Arm Rest Kit	30707

Notes:

Notes:



Count on it.