Form No. 3361-721 Rev C

TORO®

Count on it.

Parts Catalog

Groundsmaster® 4100-D

Traction Unit

Model No. 30413—Serial No. 290000301 and Up

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

CE

3361-721 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.

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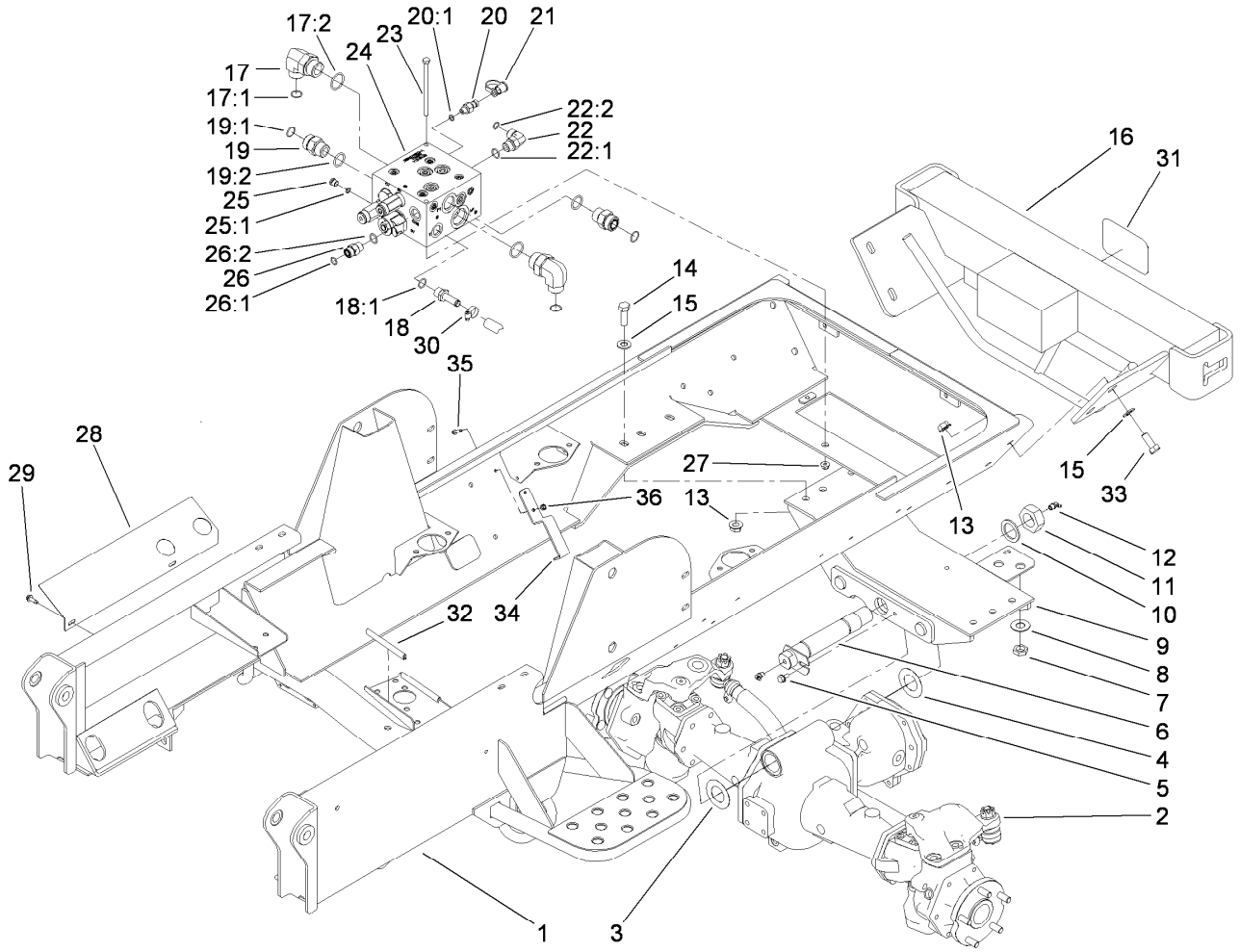
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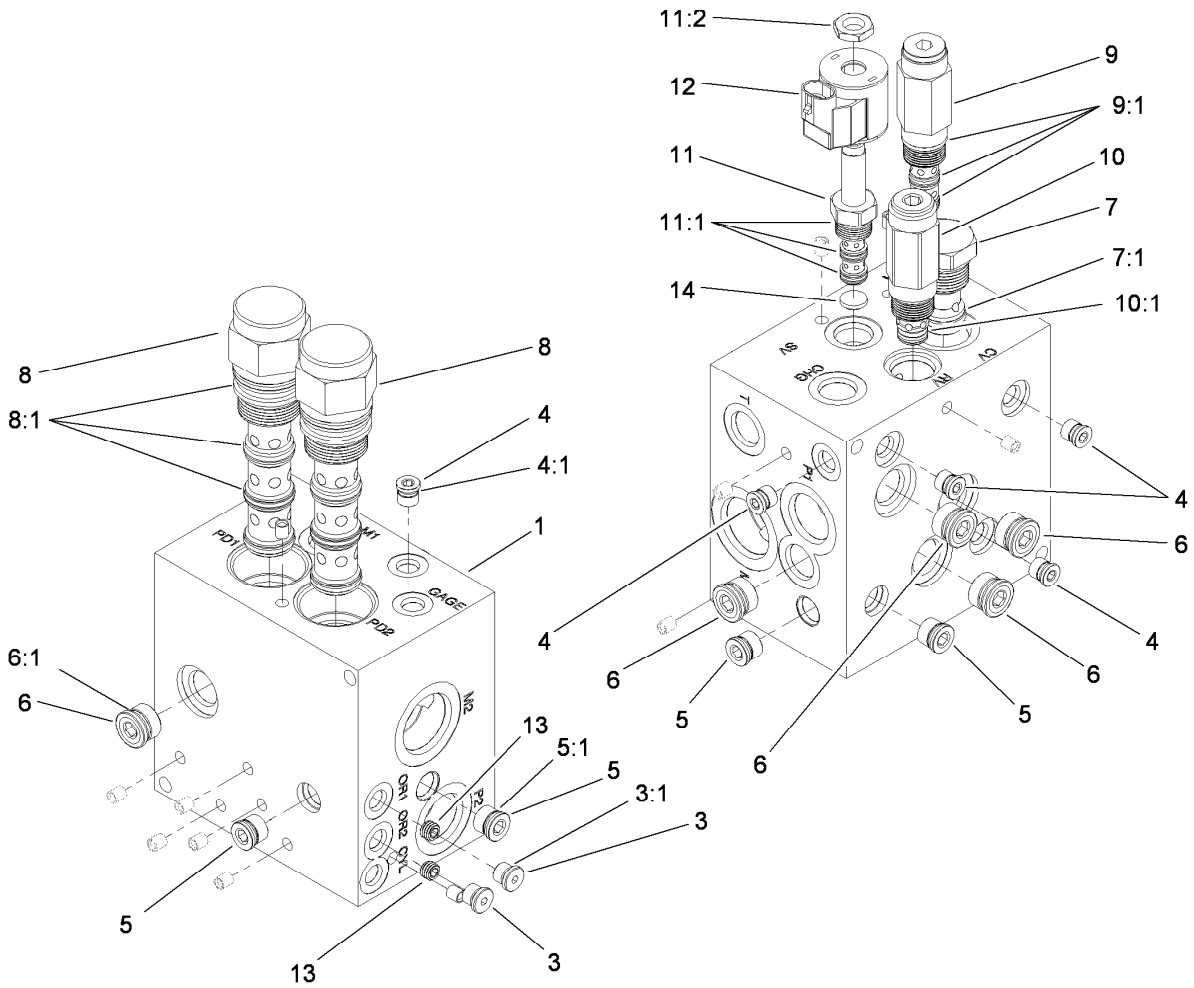
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Frame, Rear Axle Mount and Bumper Assembly

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
19:2	237-81	1	O-Ring

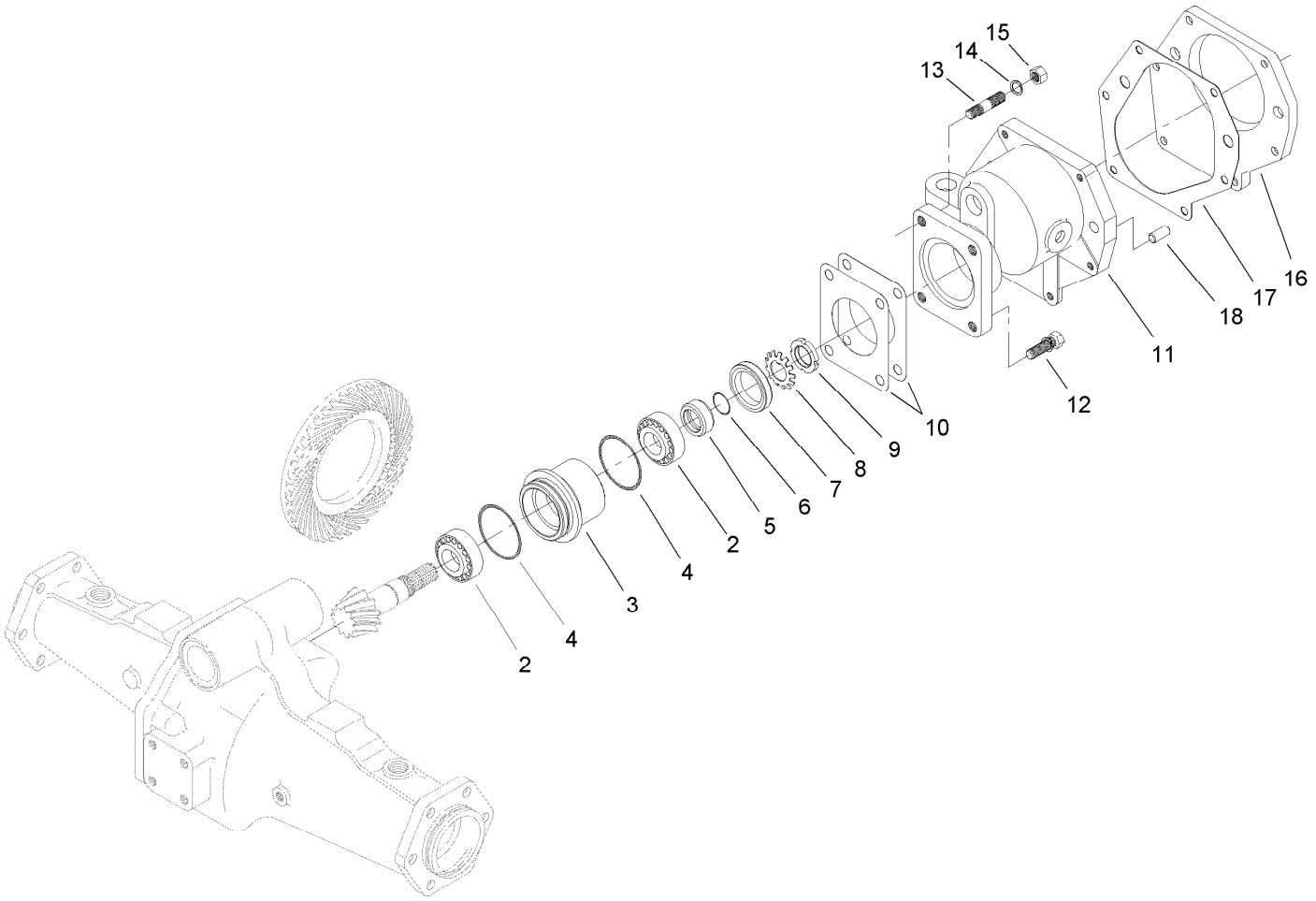
Ref.	Part Number	Qty.	Description
20	354-77	1	Fitting-Quick
20:1	237-78	1	O-Ring
21	354-79	1	Cap-Dust
22	340-98	1	Fitting-Elbow, 90 DEG
22:1	237-79	1	O-Ring
22:2	237-30	1	O-Ring
23	322-29	2	Screw-HH
24	112-9123	1	4-Wheel Drive Manifold ASM
25	353-990	1	Plug ASM
25:1	237-78	1	O-Ring
26	340-4	1	Fitting-Straight
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	2	Trim
33	325-5	4	Screw-HH
34	119-0070	1	Clamp-Hose
35	3290-126	2	Screw-HWH
36	3296-2	2	Nut-Lock, NI



4-Wheel Drive Manifold Assembly No. 112-9123

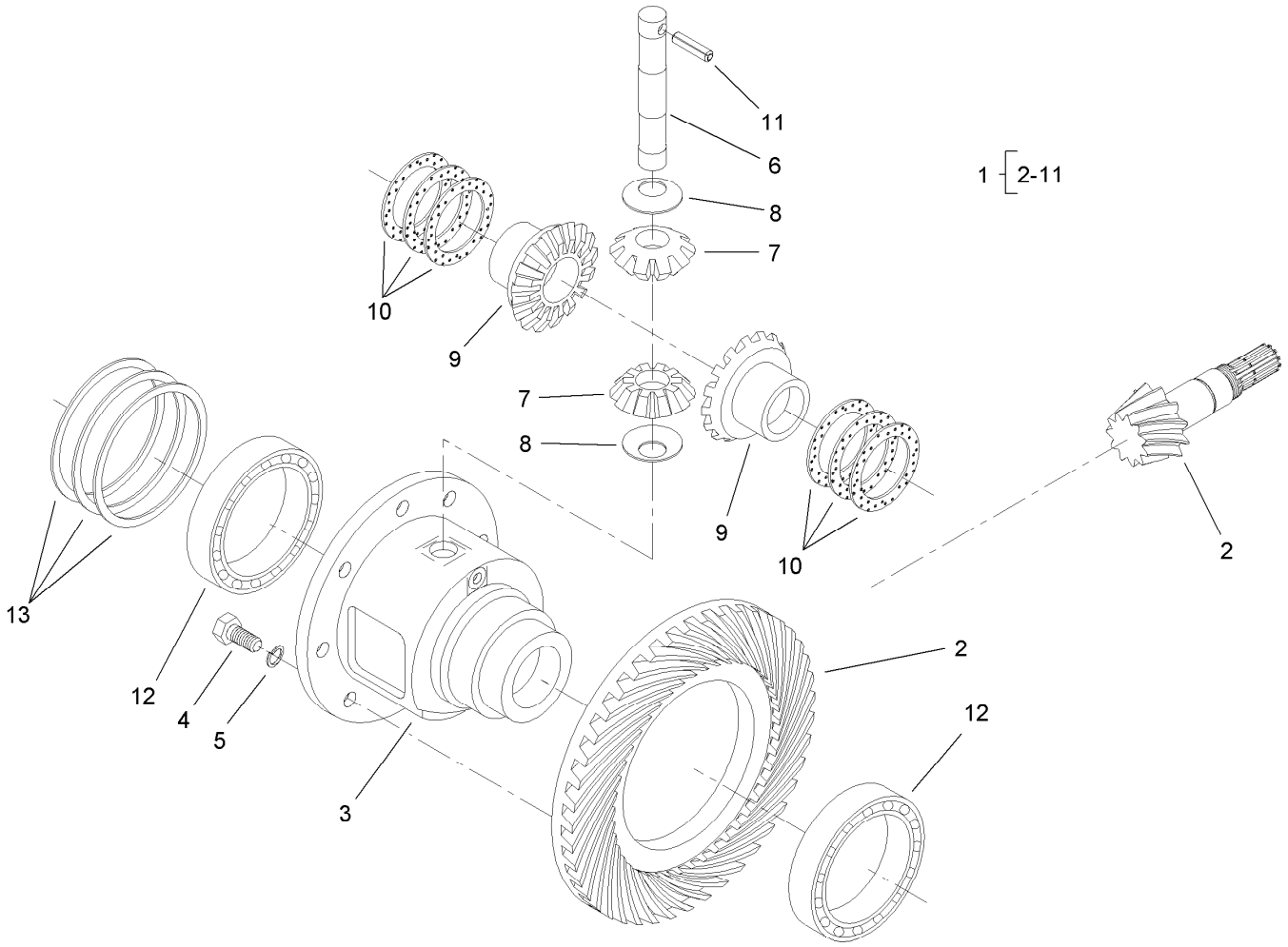
Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold Block ●
3	353-990	2	Plug ASM
3:1	237-78	1	O-Ring
4	106-1025	5	Plug-HYD
4:1	237-78	1	O-Ring
5	106-1026	4	Plug-HYD
5:1	237-42	1	O-Ring
6	106-1027	5	Plug-HYD
6:1	237-79	1	O-Ring
7	110-0468	1	Valve-Check, 5 PSI
7:1	110-0470	1	Seal Kit
8	110-0491	2	Valve-Directional
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



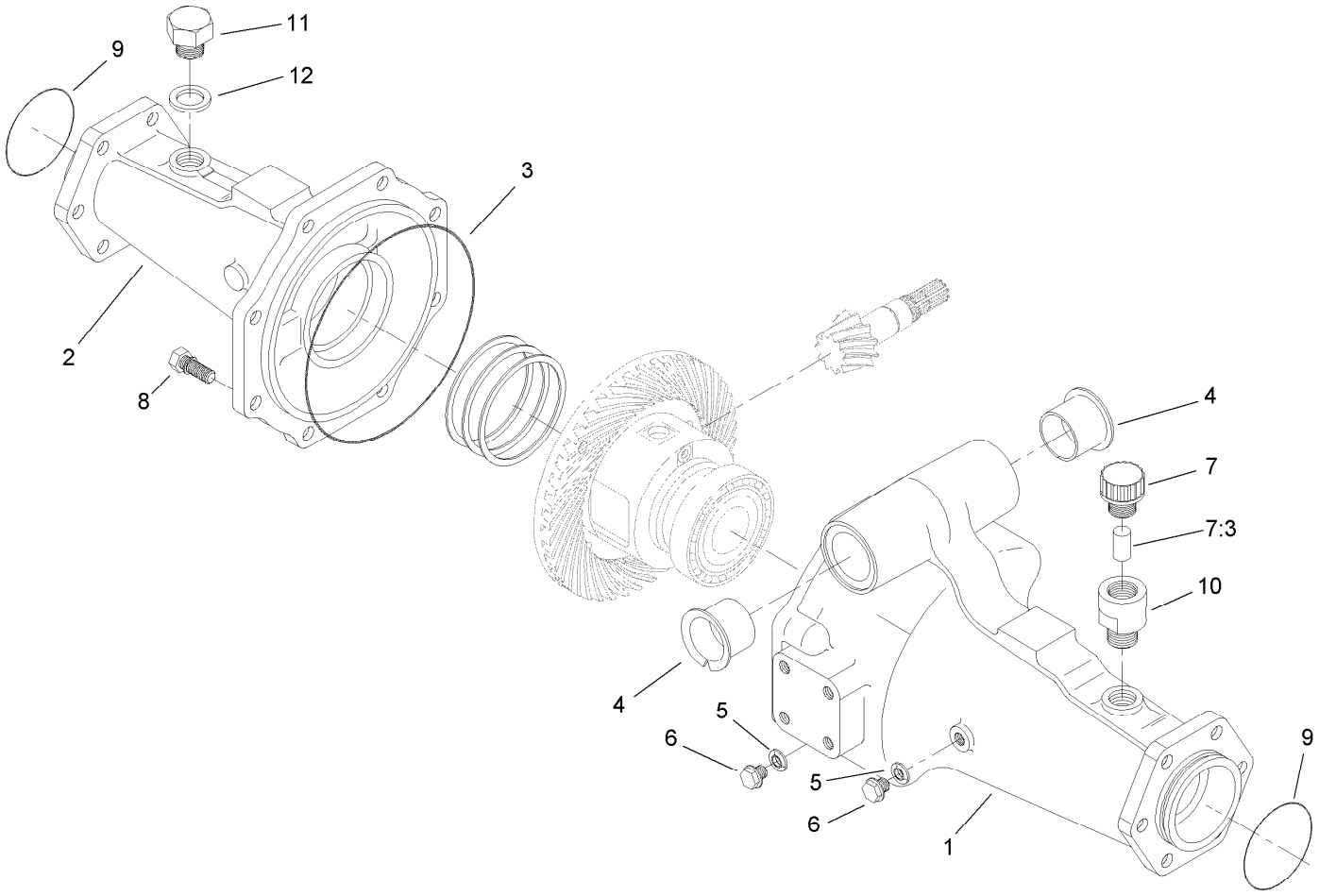
Bevel Pinion Shaft Assembly
Rear Axle Assembly No. 110-4750

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



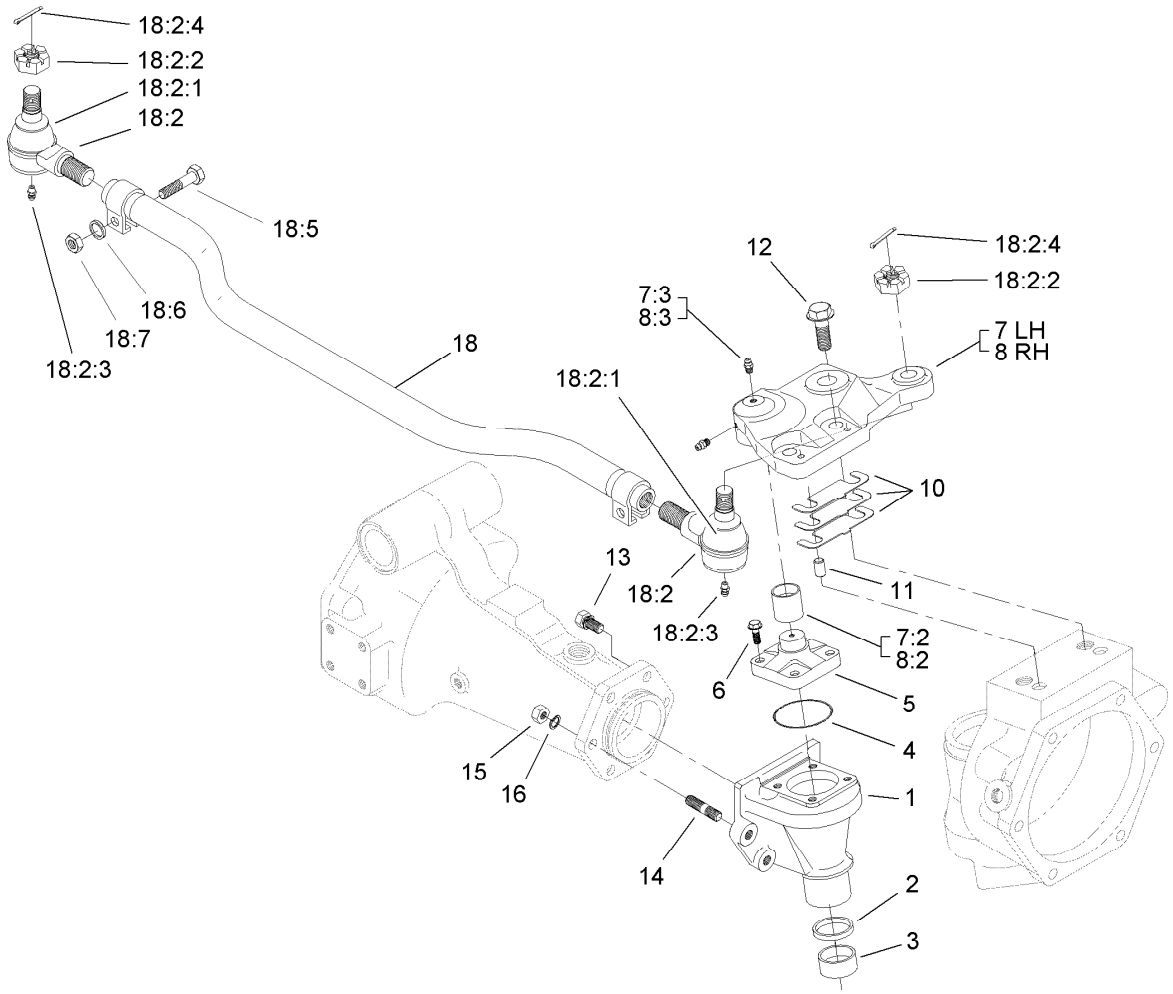
Differential Assembly
Rear Axle Assembly No. 110-4750

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

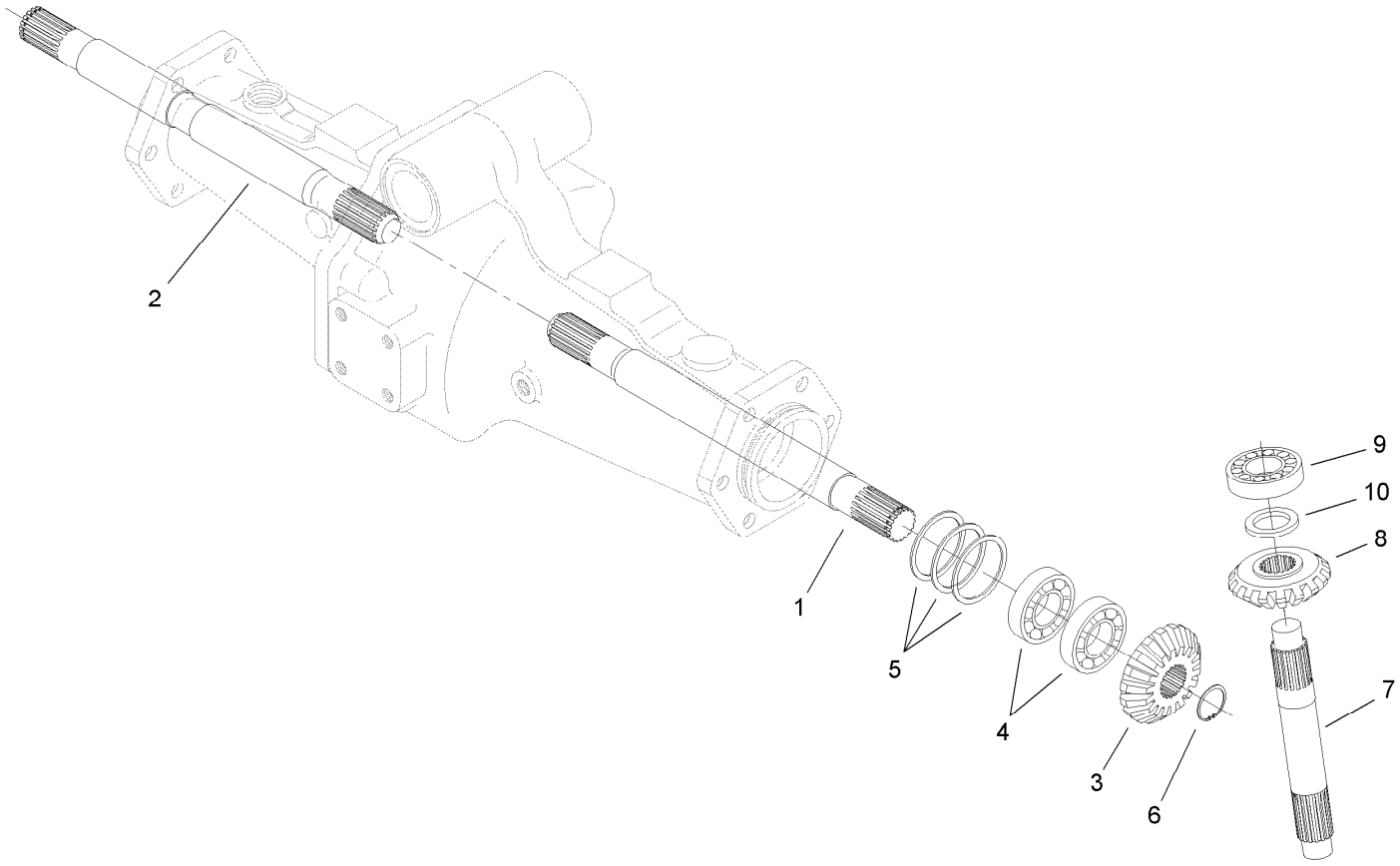
Ref.	*Part Number*	*Qty.*	*Description*
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	106-1067	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7590	2	Washer-Seal
6	99-7589	2	Plug
7	110-4812	1	Axle Vent ASM
7:3	110-4815	1	Insert-Filter, Foam
8	99-7592	8	Bolt
9	106-1068	2	O-Ring
10	104-2377	1	Extension-Vent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



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

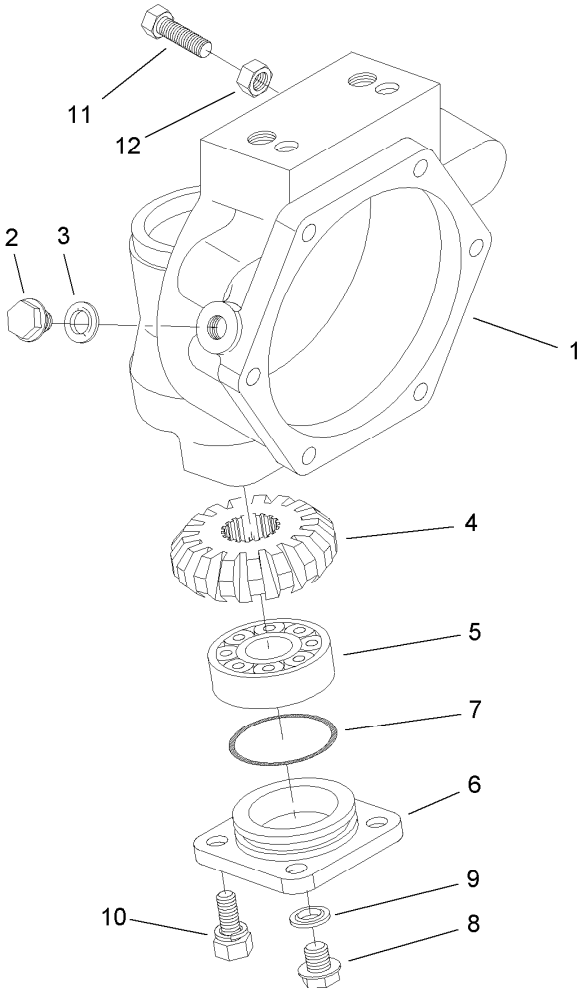
Ref.	*Part Number*	*Qty.*	*Description*
1	110-4752	2	Case-Gear, Bevel
2	110-4754	2	Seal-Oil
3	104-2378	2	Bushing
4	106-1069	2	O-Ring
5	104-2373	2	Knuckle
6	104-2374	8	Bolt
7	100-3768	1	LH Steering Arm ASM
7:2	104-8634	1	Bushing
7:3	106-1104	2	Fitting-Grease
8	100-3766	1	RH Steering Arm ASM
8:2	104-8634	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



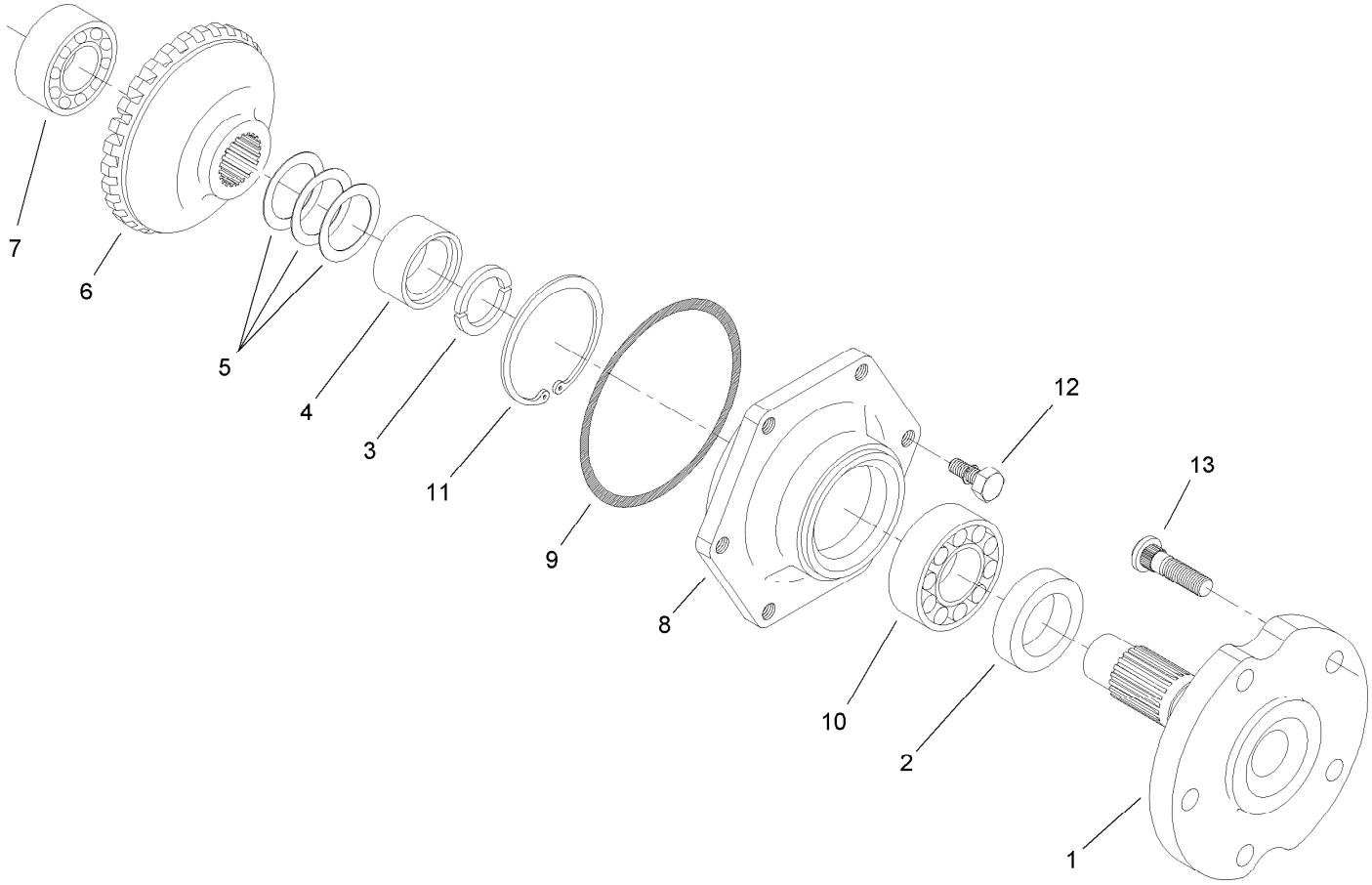
Bevel Gear Shaft Assembly
Rear Axle Assembly No. 110-4750

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



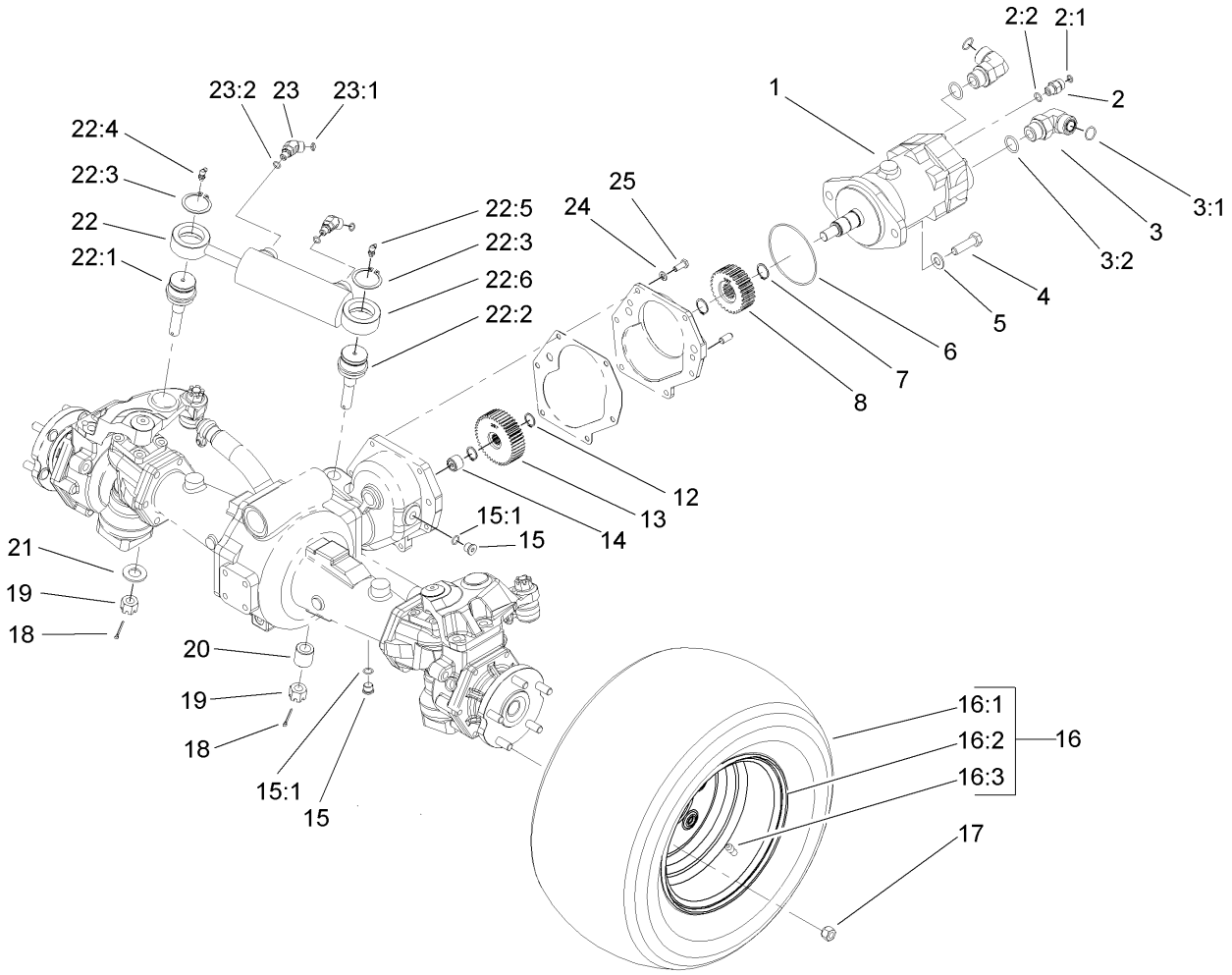
Axle Case Assembly
Rear Axle Assembly No. 110-4750

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

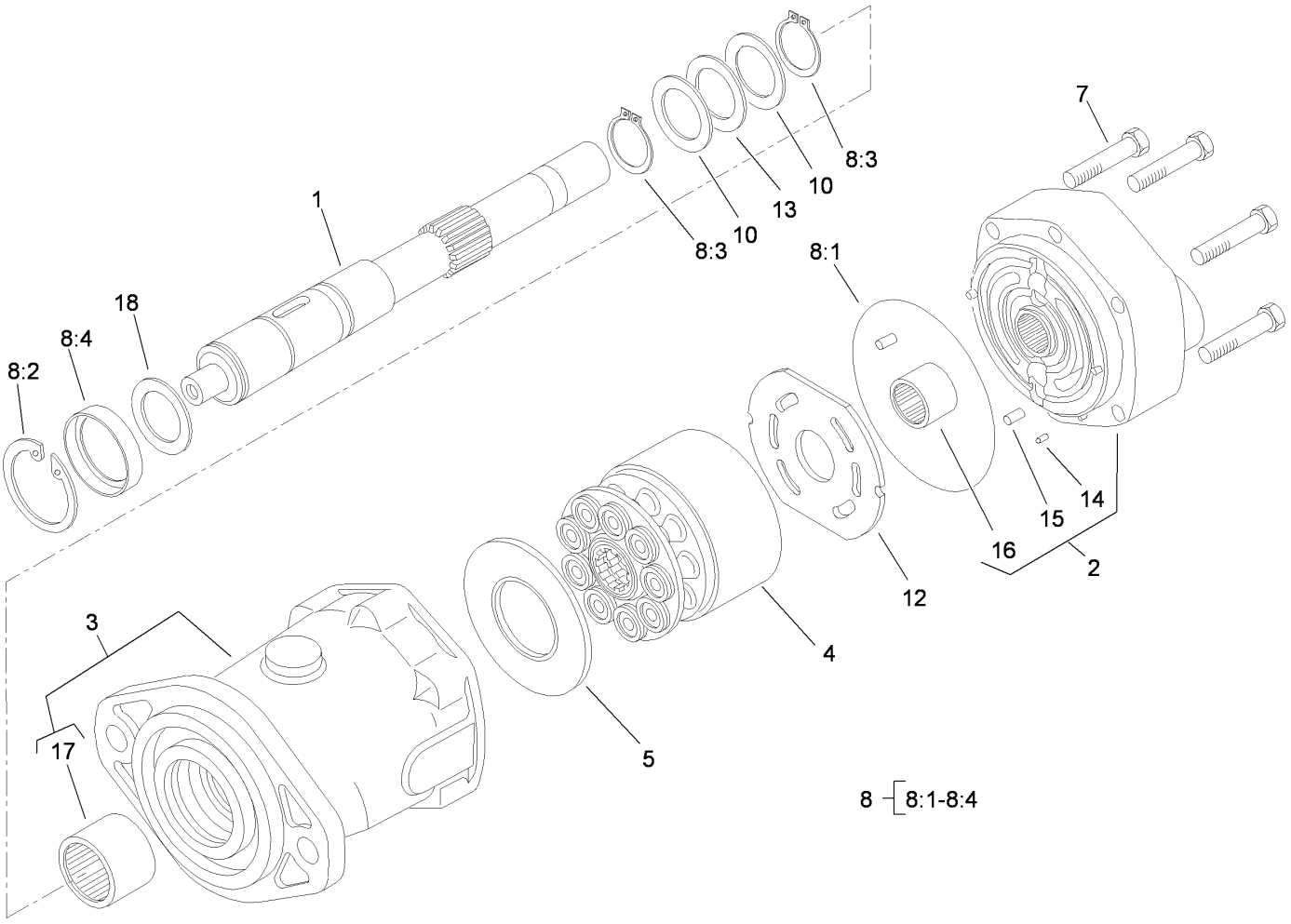


Rear Axle and Tire Assembly

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

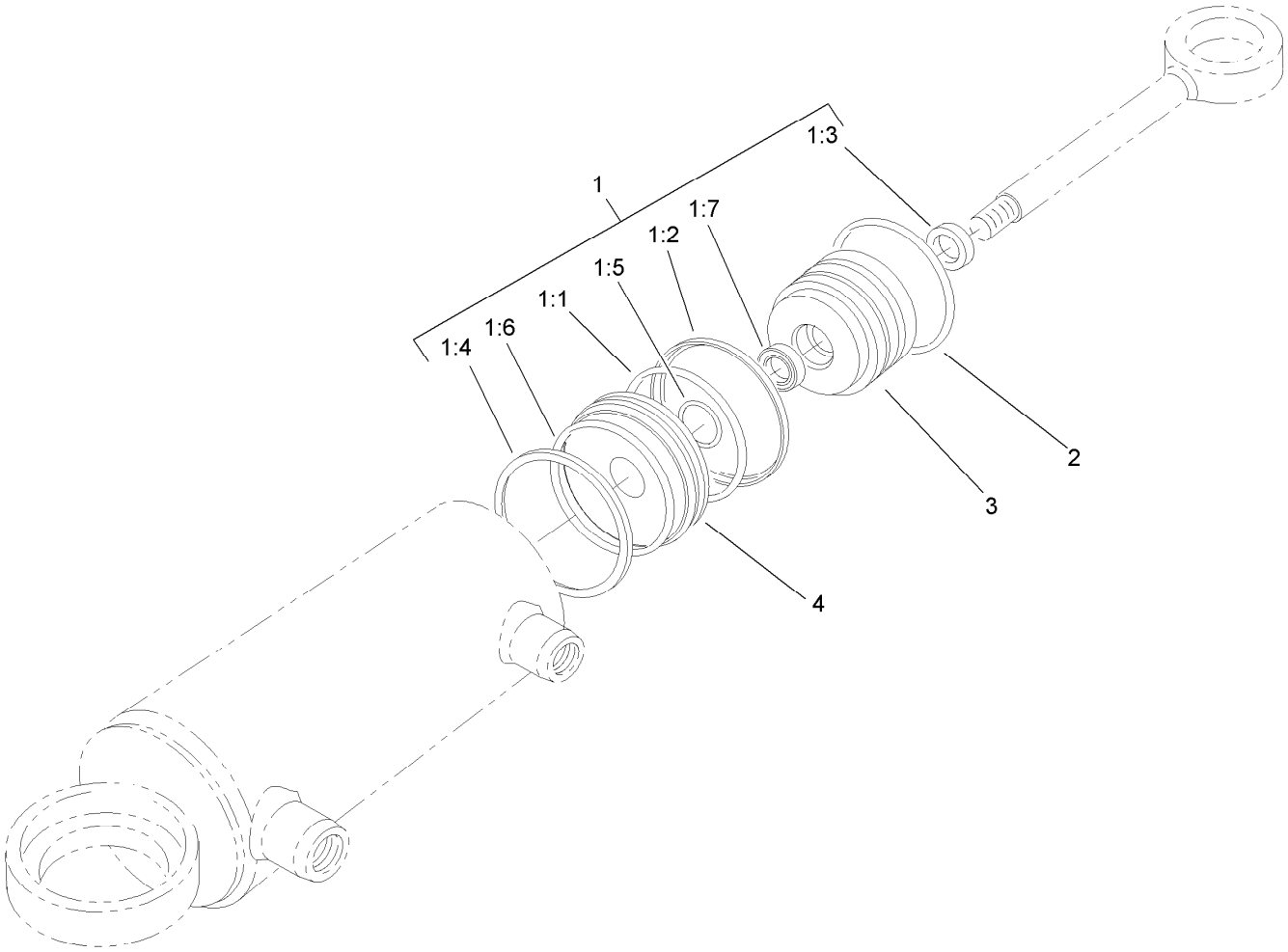
● Not serviced separately



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	Ring-Retaining ●
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

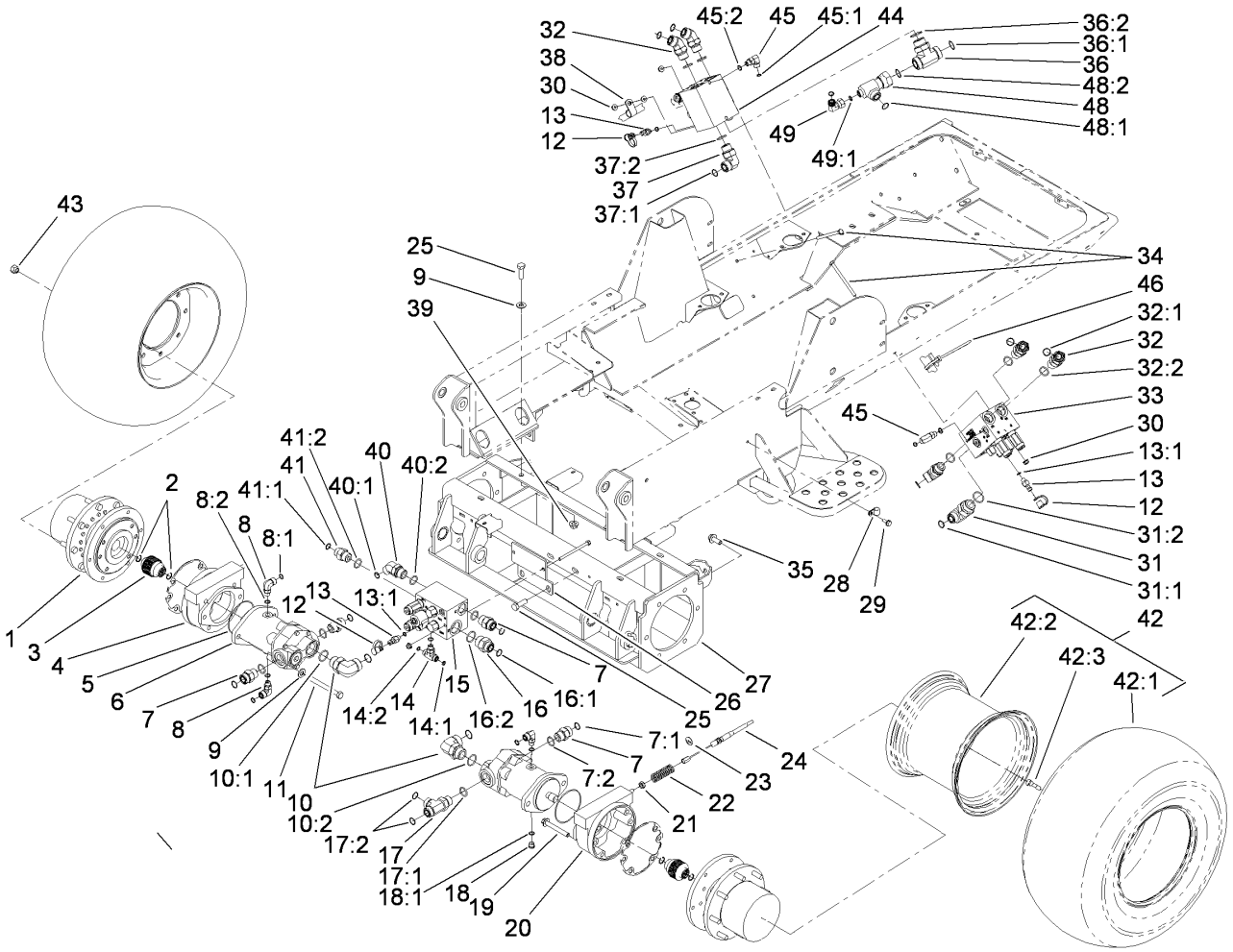
● Not serviced separately



Steering Cylinder Assembly No. 105-0775

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

● Not serviced separately

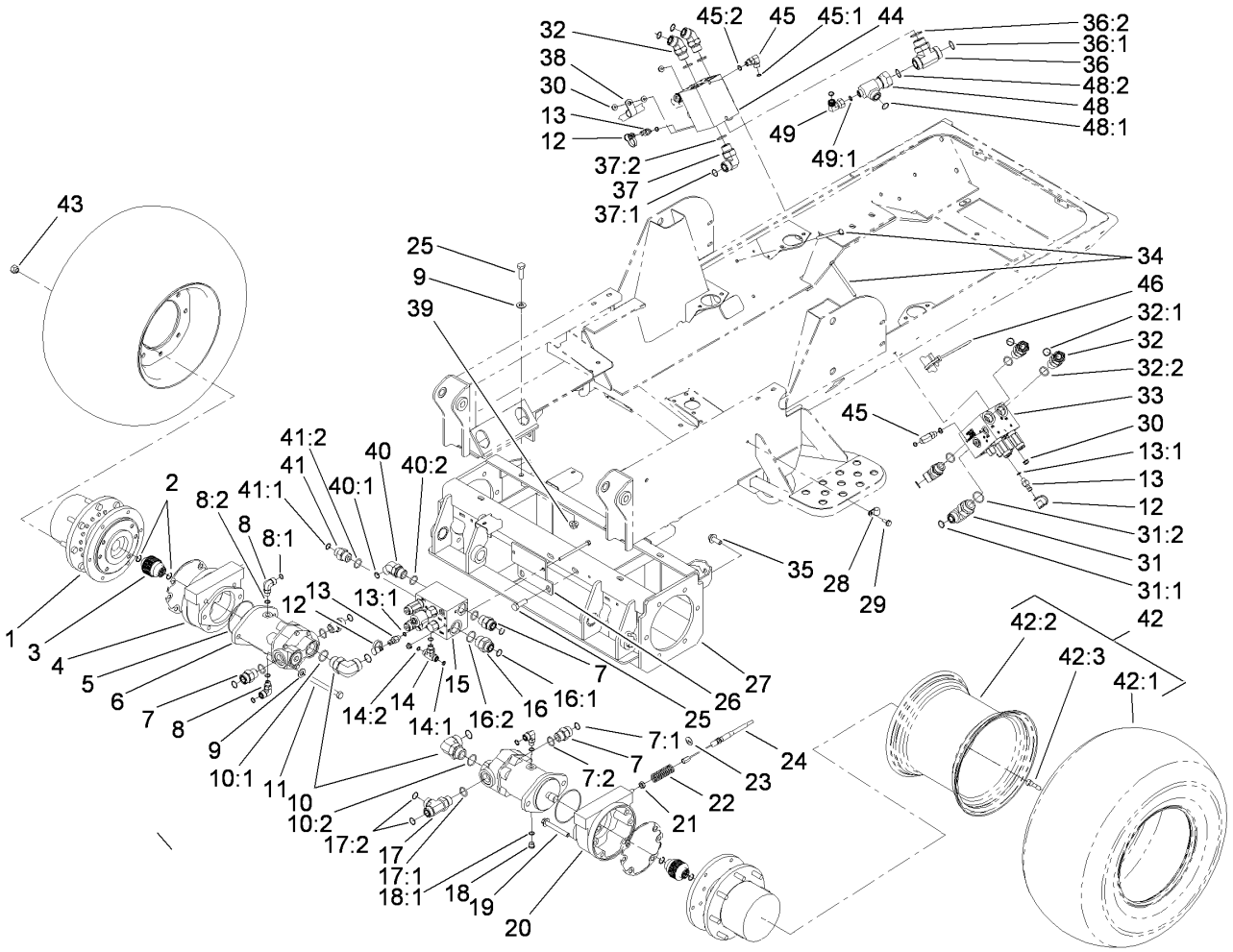


Planetary, Brake and Tire Assembly

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	115-8467	1	PTO Manifold ASM
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	114-9775-03	1	Frame-Front
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

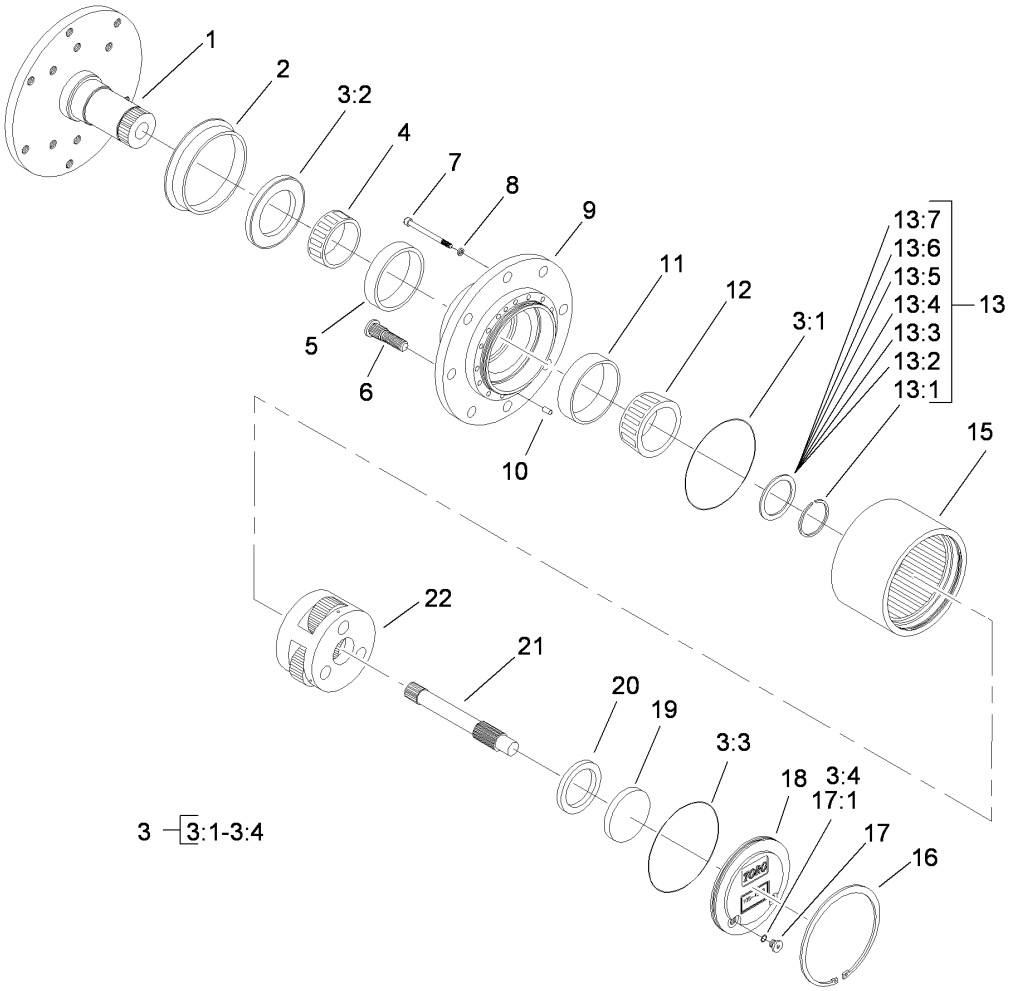


Planetary, Brake and Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
33	115-8469	1	PTO Manifold ASM
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
41	340-8	1	Fitting-Straight
41:1	237-65	1	O-Ring

Ref.	Part Number	Qty.	Description
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	115-8468	1	PTO Manifold ASM
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
48	115-8472	1	Fitting-HYD, Tee
48:1	237-30	1	O-Ring
48:2	237-58	1	O-Ring
49	94-6031	1	Fitting-HYD
49:1	237-30	1	O-Ring

● Not serviced separately

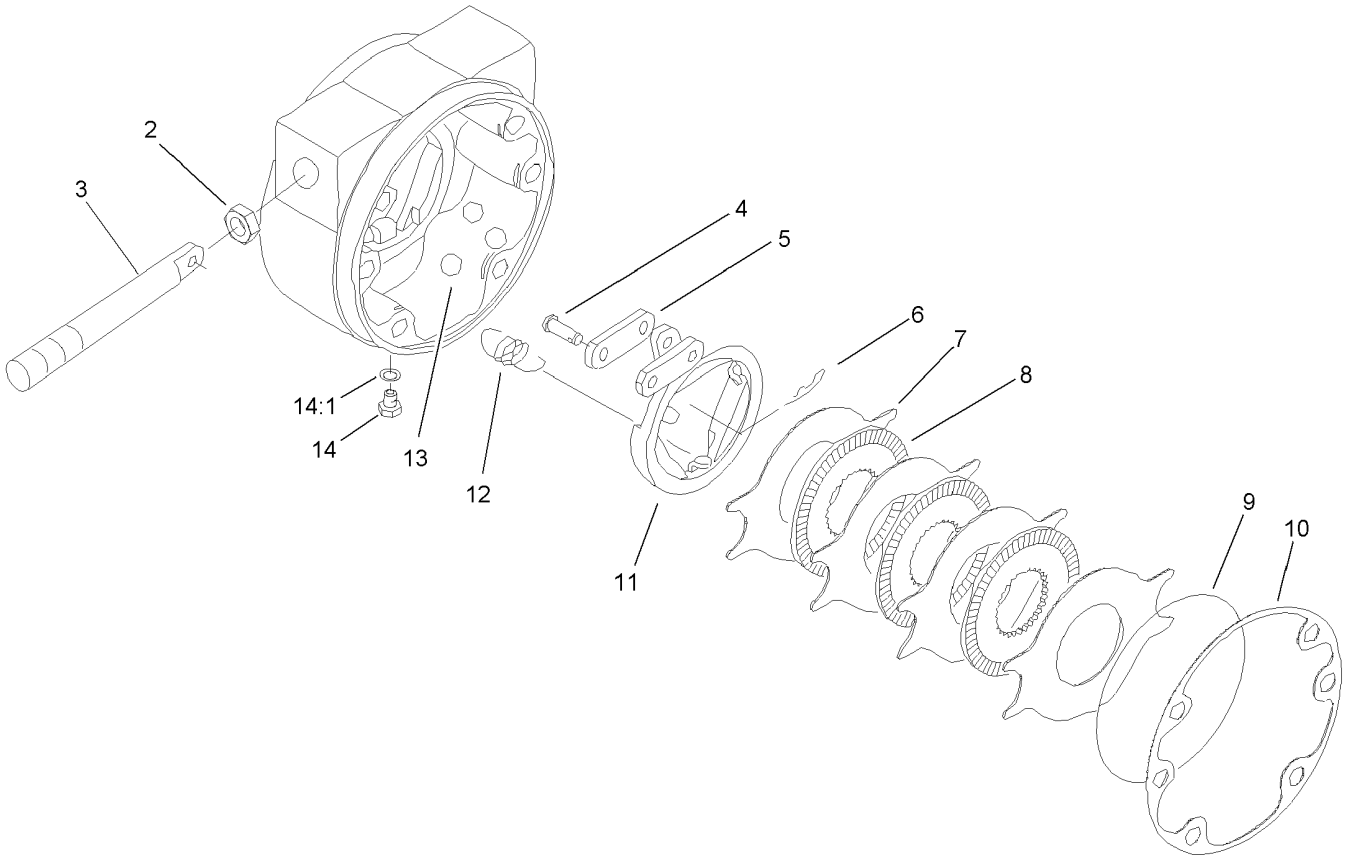


Planetary Assembly No. 105-4588-03

Ref.	Part Number	Qty.	Description
1		1	Spindle ●
2	105-8122	1	Seal-Boot
3	105-8137	1	Seal Kit
3:1		1	O Ring-Flange Cap ●
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

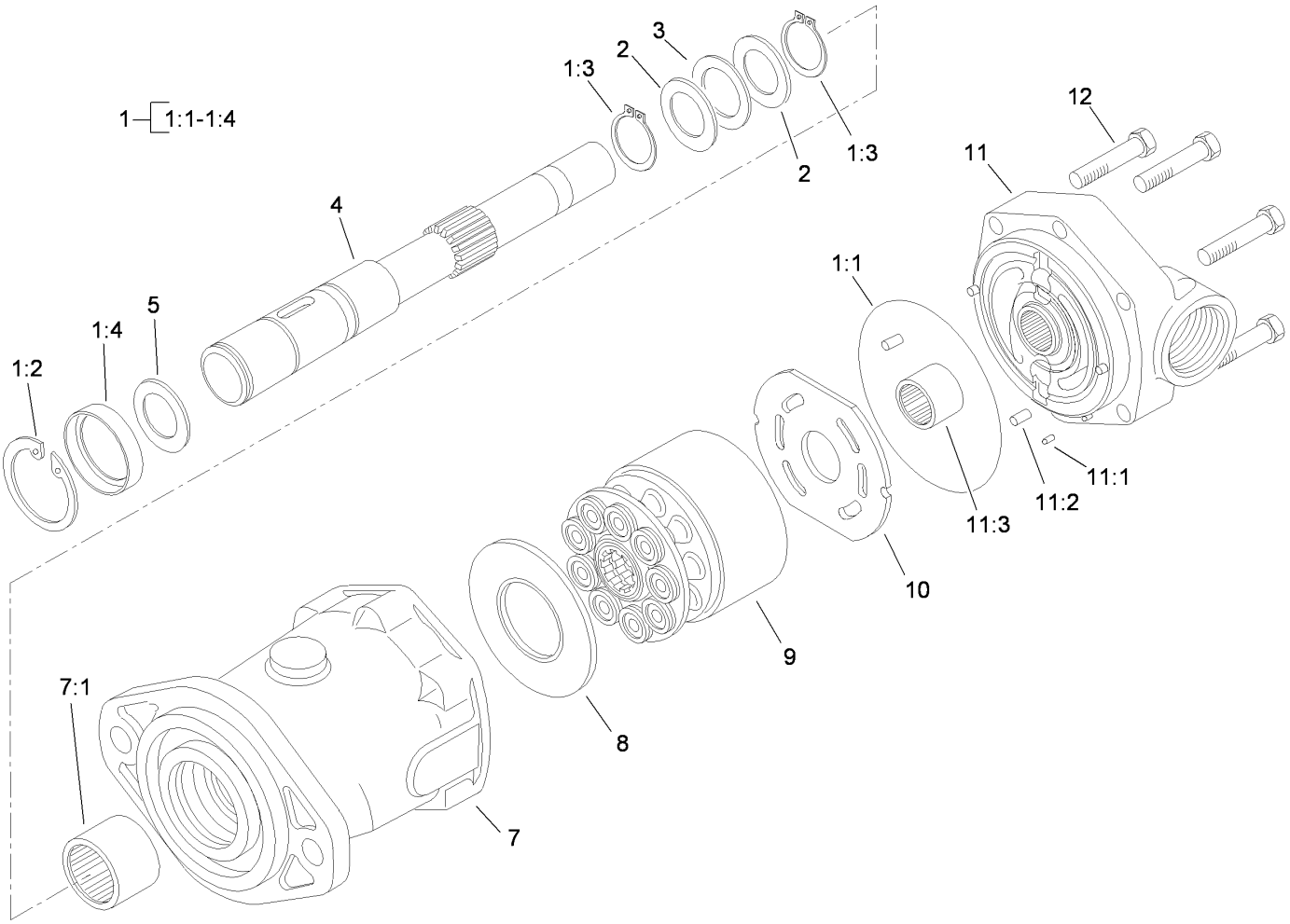
Ref.	Part Number	Qty.	Description
13:1		1	Ring-Snap ●
13:2		1	Shim-Bearing, 2.9Mm ●
13:3		1	Shim-Bearing, 2.8Mm ●
13:4		1	Shim-Bearing, 2.7Mm ●
13:5		1	Shim-Bearing, 2.6Mm ●
13:6		1	Shim-Bearing, 2.5Mm ●
13:7		1	Shim-Bearing, 2.4Mm ●
15	105-8113	1	Gear-Ring
16	105-8132	1	Ring-Retaining
17	353-990	2	Plug 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

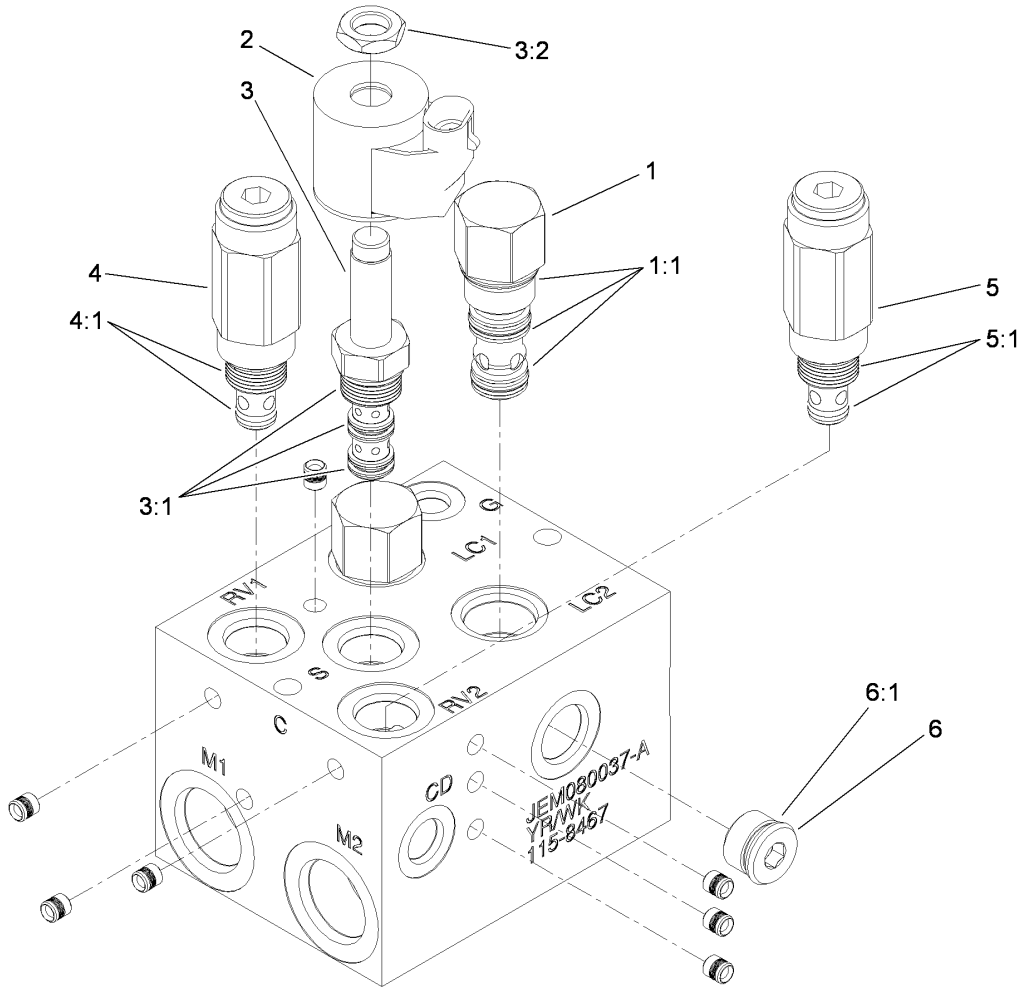
Ref.	*Part Number*	*Qty.*	*Description*
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4280	1	Actuator-Rotating
12	93-7987	3	Spring-Extension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

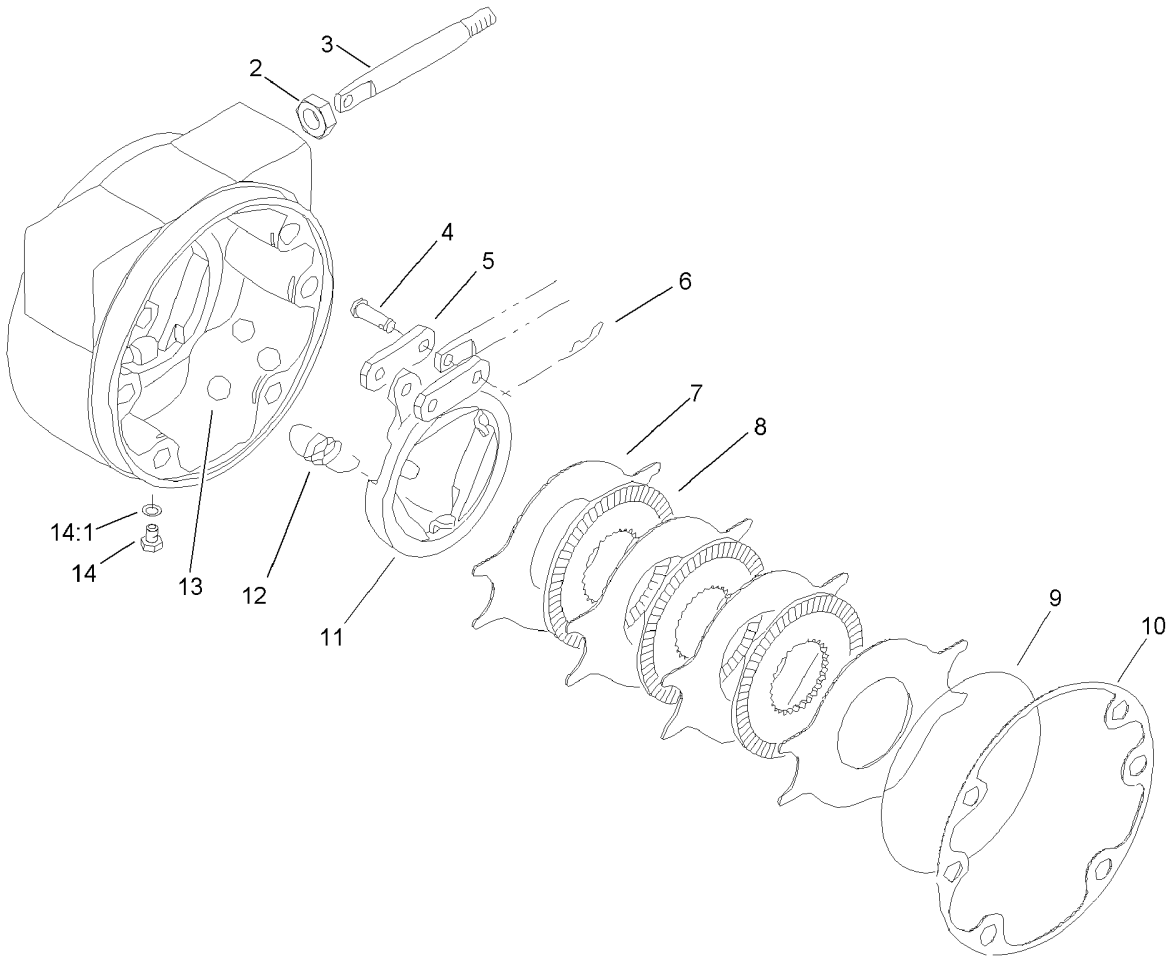
Ref.	*Part Number*	*Qty.*	*Description*
1	106-6876	1	Seal Kit
1:1		1	Ring-Retaining ●
1:2	76-7010	1	Ring-Retaining
1:3	76-7000	2	Ring-Retaining
1:4		1	Seal-Shaft ●
2	60-6160	2	Race
3	76-6960	1	Bearing-Thrust
4	106-6874	1	Shaft-Drive
5	60-6240	1	Washer
7	105-2852	1	Housing ASM
7:1		1	Bearing-Needle ●
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



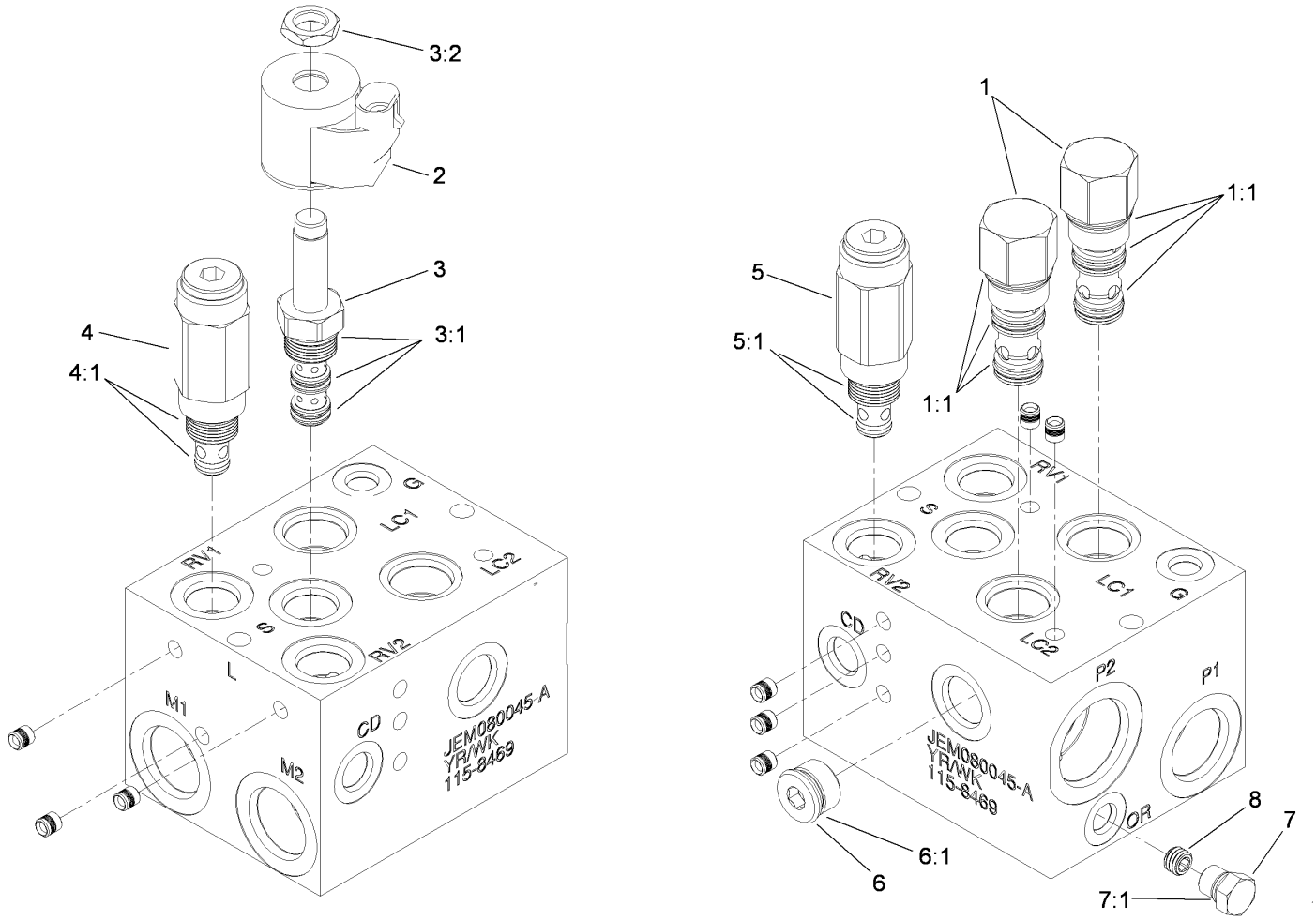
Hydraulic PTO Manifold Assembly No. 115-8467

Ref.	*Part Number*	*Qty.*	*Description*
1	105-9153	2	Element-Logic, Vented
1:1	105-9154	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



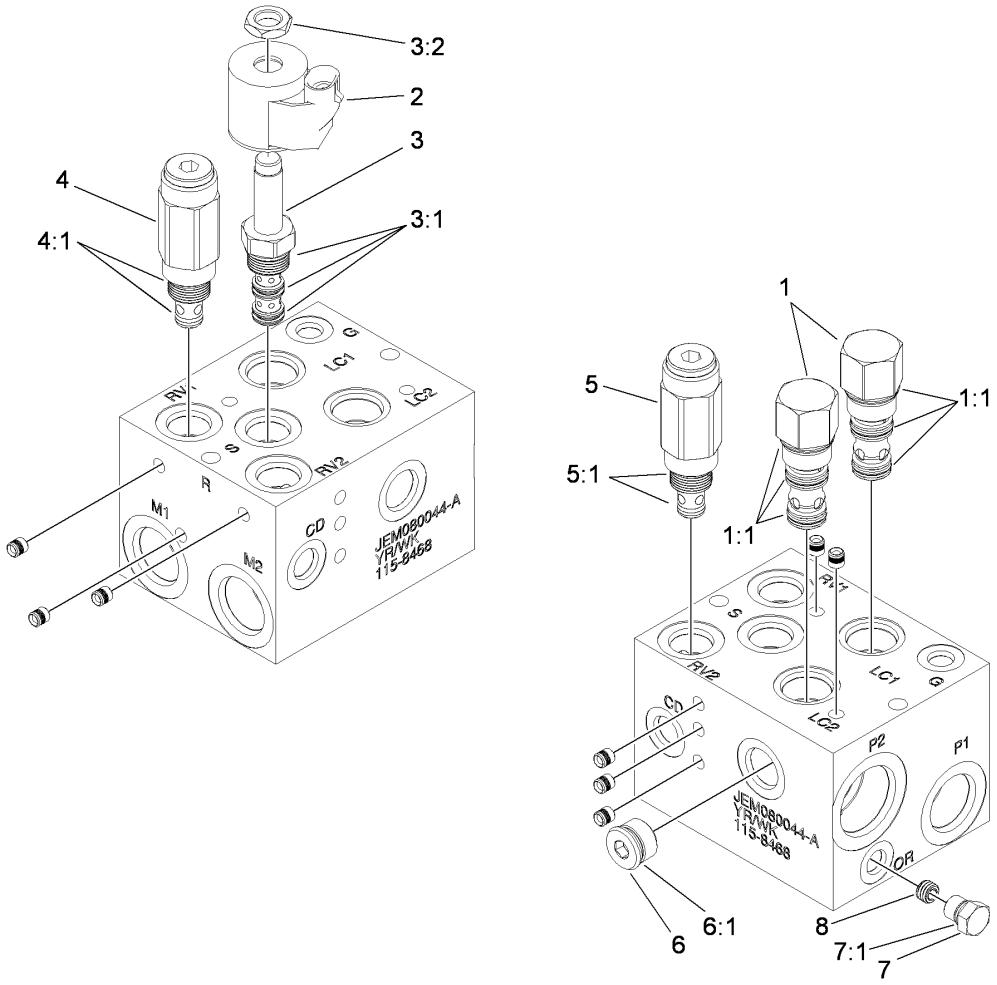
Brake Assembly No. 100-3070-03

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



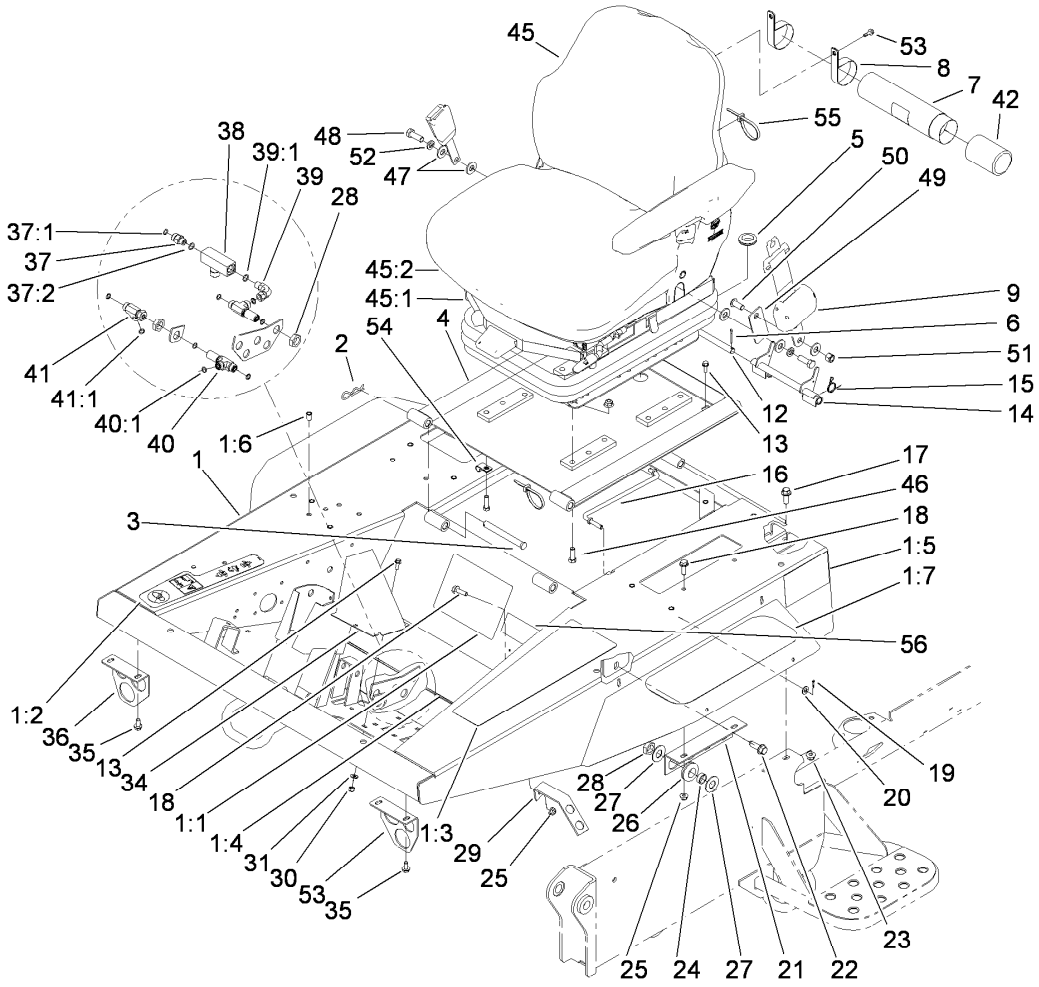
Hydraulic PTO Manifold Assembly No. 115-8469

Ref.	*Part Number*	*Qty.*	*Description*
1	105-9153	2	Element-Logic, Vented
1:1	105-9154	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	353-512	1	Plug
7:1	237-78	1	O-Ring
8	112-6538	1	Orifice (.063 Inch)



Hydraulic PTO Manifold Assembly No. 115-8468

Ref.	*Part Number*	*Qty.*	*Description*
1	105-9153	2	Element-Logic, Vented
1:1	105-9154	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	353-512	1	Plug
7:1	237-78	1	O-Ring
8	112-6538	1	Orifice (.063 Inch)



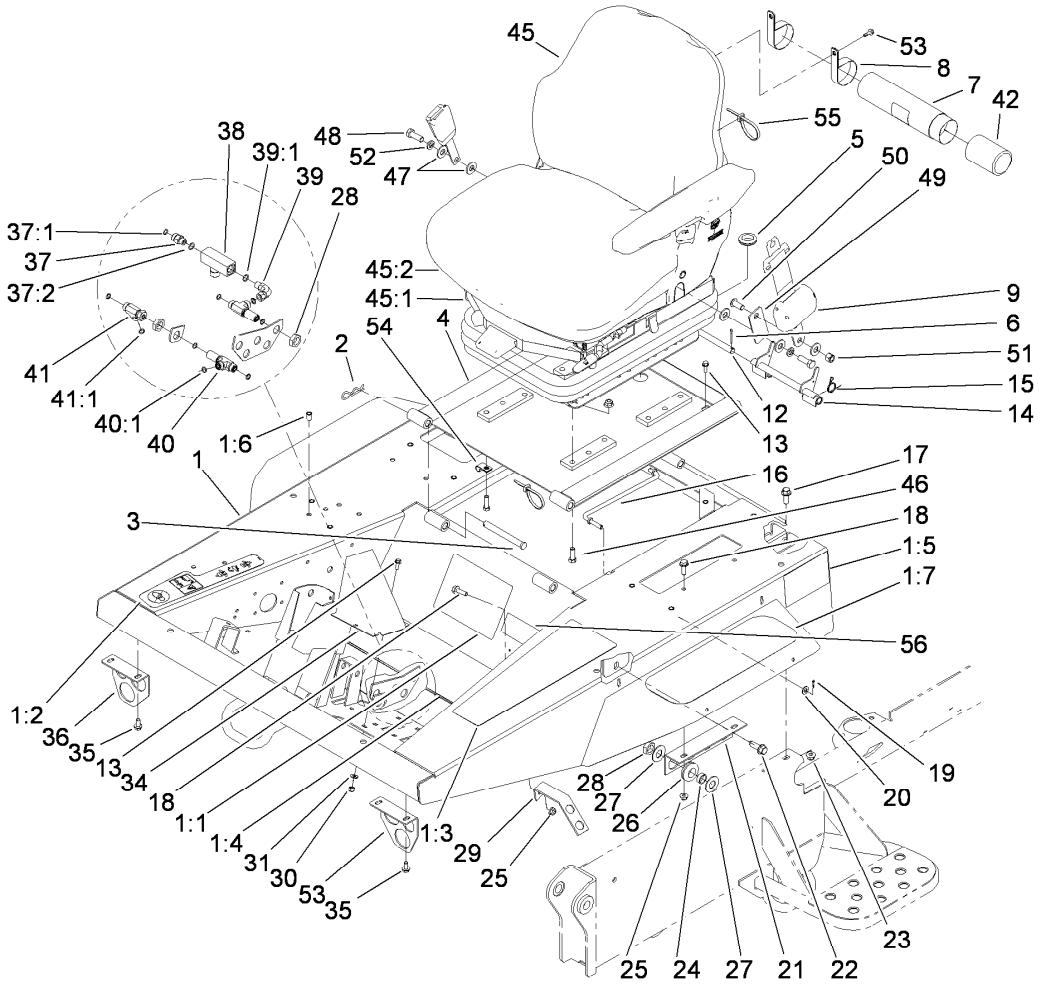
Platform and Seat Base Assembly

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	283-83	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
12	93-5366	1	Shaft-Latch
13	3234-4	2	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
20	3256-23	2	Washer-Plain
21	100-3149-03	1	Bracket-Bulkhead
22	32144-67	2	Screw
23	104-8301	6	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	105-7373-01	1	Bracket-Bulkhead, LH
36	105-7489-01	1	Bracket-Bulkhead, RH
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

● Not serviced separately

▲ Serviced under Model Number 30622

■ Serviced under Model Number 30621



Platform and Seat Base Assembly (continued)

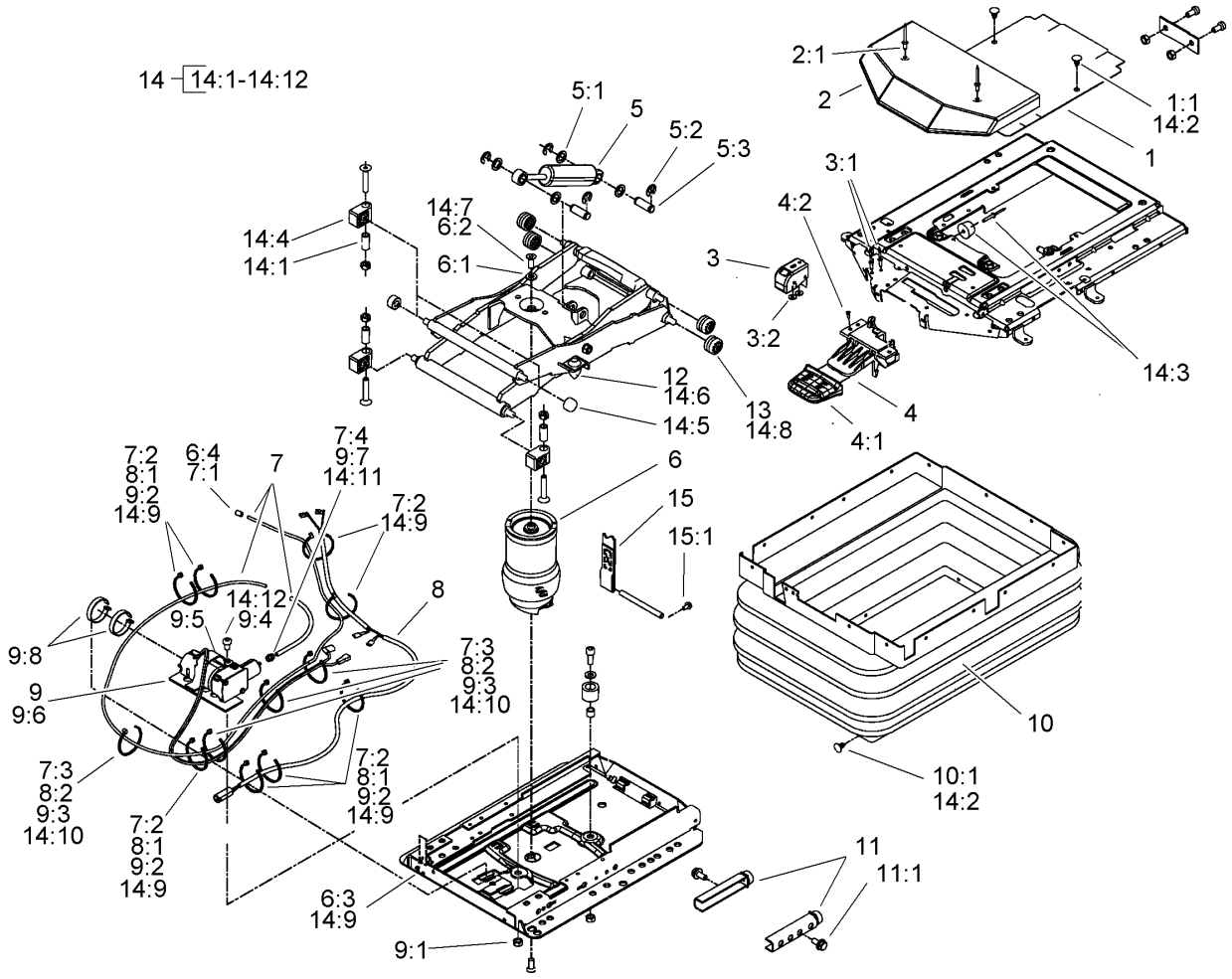
Ref.	Part Number	Qty.	Description
41:1	237-22	2	O-Ring
42	104-7048	1	Cap-Housing
45	108-1518	1	Seat And Suspension ASM
45:1		1	Seat Suspension ASM ●■
45:2		1	Seat-Premium ●▲
46	323-7	4	Screw-HH
47	29-8910	5	Washer
48	3212-5	2	Screw-HH

Ref.	Part Number	Qty.	Description
49	108-1516	1	Mount-Belt, Seat
50	3274-105	1	Screw-HSBH
51	3296-48	1	Nut-Lock, NI
52	3253-6	2	Washer-Lock
53	32104-116	2	Screw-HWHTF
54	2412-138	2	R-Clamp
55	3290-378	2	Tie-Cable
56	117-2718	1	Decal-Arrester, Spark

● Not serviced separately

▲ Serviced under Model Number 30622

■ Serviced under Model Number 30621



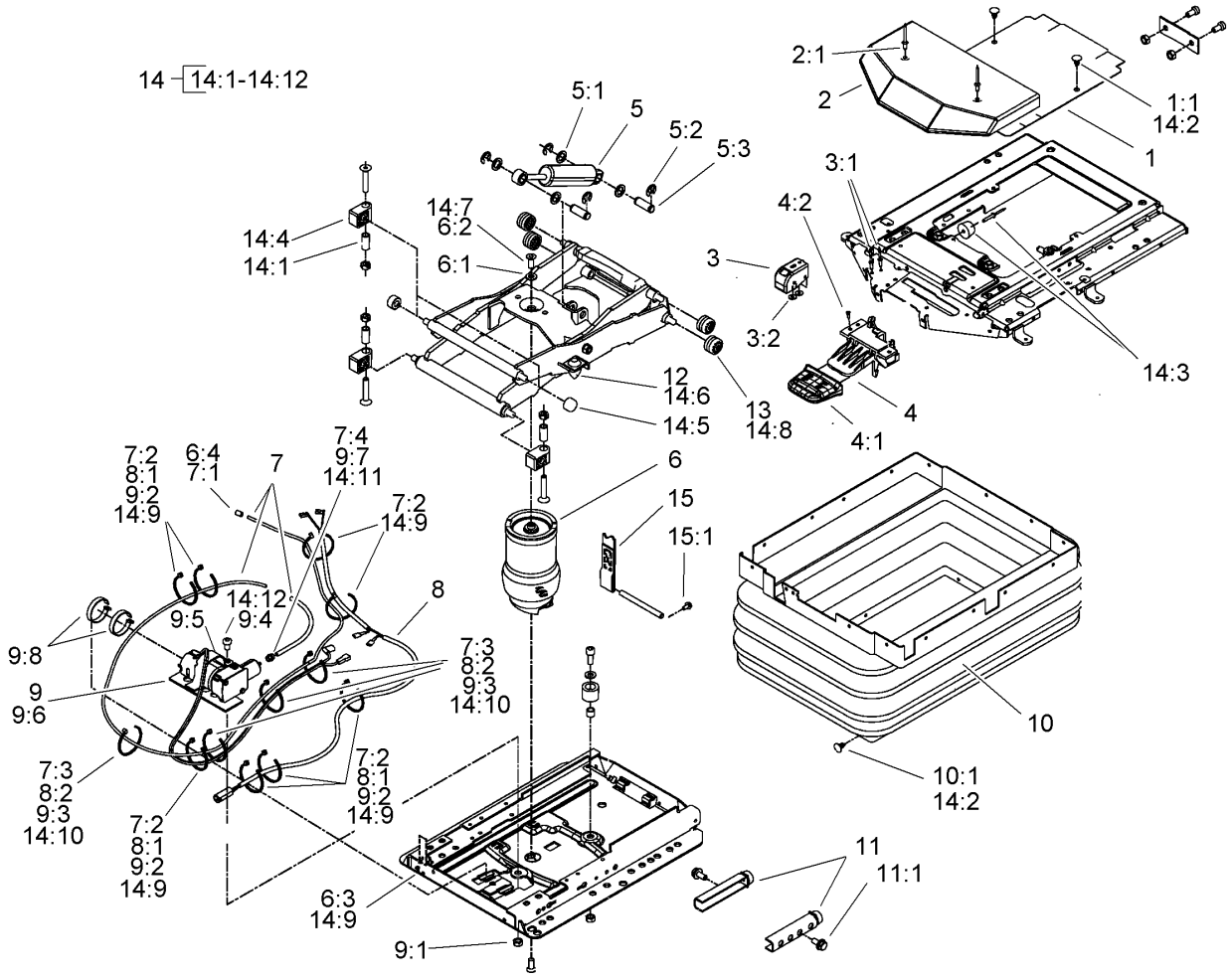
Air Ride Seat Suspension Assembly
Model No. 30621

Ref.	Part Number	Qty.	Description
1	108-8026	1	Cover ASM
1:1	39-5710	2	Plug-Plastic
2	108-8027	1	Cover
2:1		2	Rivet ■
3	108-8028	1	Level Indicator Kit
3:1		2	Rivet ■
3:2		2	Washer ■
4	108-8029	1	Valve-Control, Air
4:1		1	Handle ■
4:2		3	Screw ■
5	108-8030	1	Shock Absorber Kit
5:1		4	Washer ■
5:2		4	C-Clip ■
5:3		2	Pin ■
6	108-8031	1	Air Spring Kit
6:1		1	Washer ■
6:2		2	Screw ■
6:3		1	Tie-Wire ■
6:4		1	Nipple-Hose ■
7	108-8032	1	Air Tube ASM
7:1		1	Nipple-Hose ■
7:2		7	Tie-Wire ■
7:3		4	Tie-Wire ■

Ref.	Part Number	Qty.	Description
7:4		1	Nipple-Hose ■
8	108-8033	1	Connecting Cable ASM
8:1		8	Tie-Wire ■
8:2		4	Tie-Wire ■
9	108-8034	1	Compressor Kit
9:1		1	Nut ■
9:2		5	Tie-Wire ■
9:3		4	Tie-Wire ■
9:4		1	Screw ■
9:5		1	Compressor ■
9:6		1	Plate-Mounting ■
9:7		1	Nipple-Hose ■
9:8		2	Clamp ■
10	108-8035	1	Bellows ASM
10:1	39-5710	23	Plug-Plastic
11	108-8036	1	Stop Kit
11:1		2	Screw ■
12	107-1213	2	Bumper Set
13	108-8037	4	Roller
14	108-8038	1	Wear Parts Kit ●
14:1		4	Spacer ■
14:2	39-5710	2	Plug-Plastic
14:3		1	Bumper ■

● Not illustrated

■ Not serviced separately

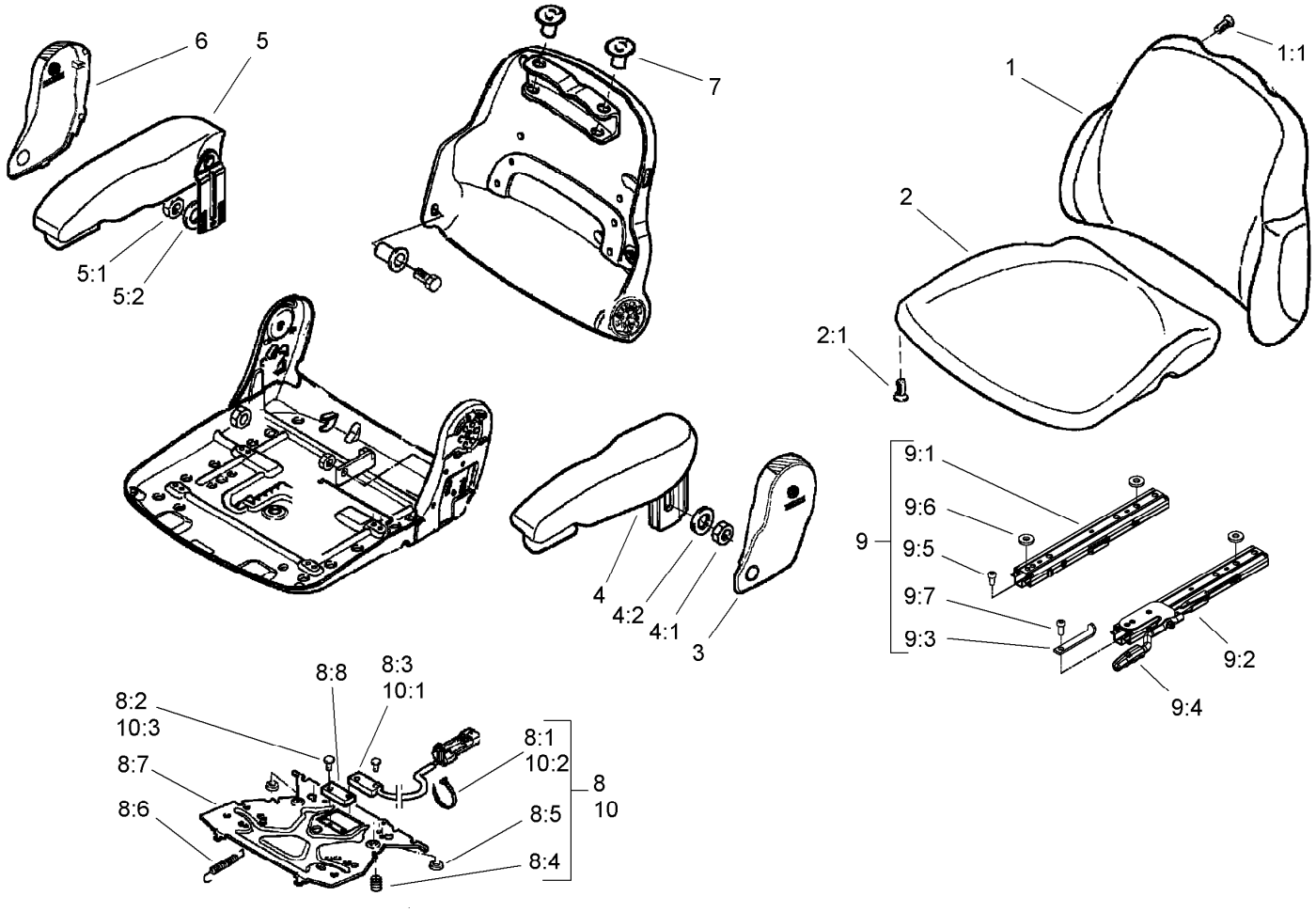


Air Ride Seat Suspension Assembly
Model No. 30621 (continued)

Ref.	Part Number	Qty.	Description
14:4		4	Support-Housing ■
14:5		2	Roller ■
14:6	107-1213	2	Bumper Set
14:7		2	Screw ■
14:8	108-8037	4	Roller
14:9		9	Tie-Wire ■
14:10		4	Tie-Wire ■
14:11		1	Nipple-Hose ■
14:12		1	Screw ■
15	108-8023	1	Tether
15:1		4	Screw ■

● Not illustrated

■ Not serviced separately

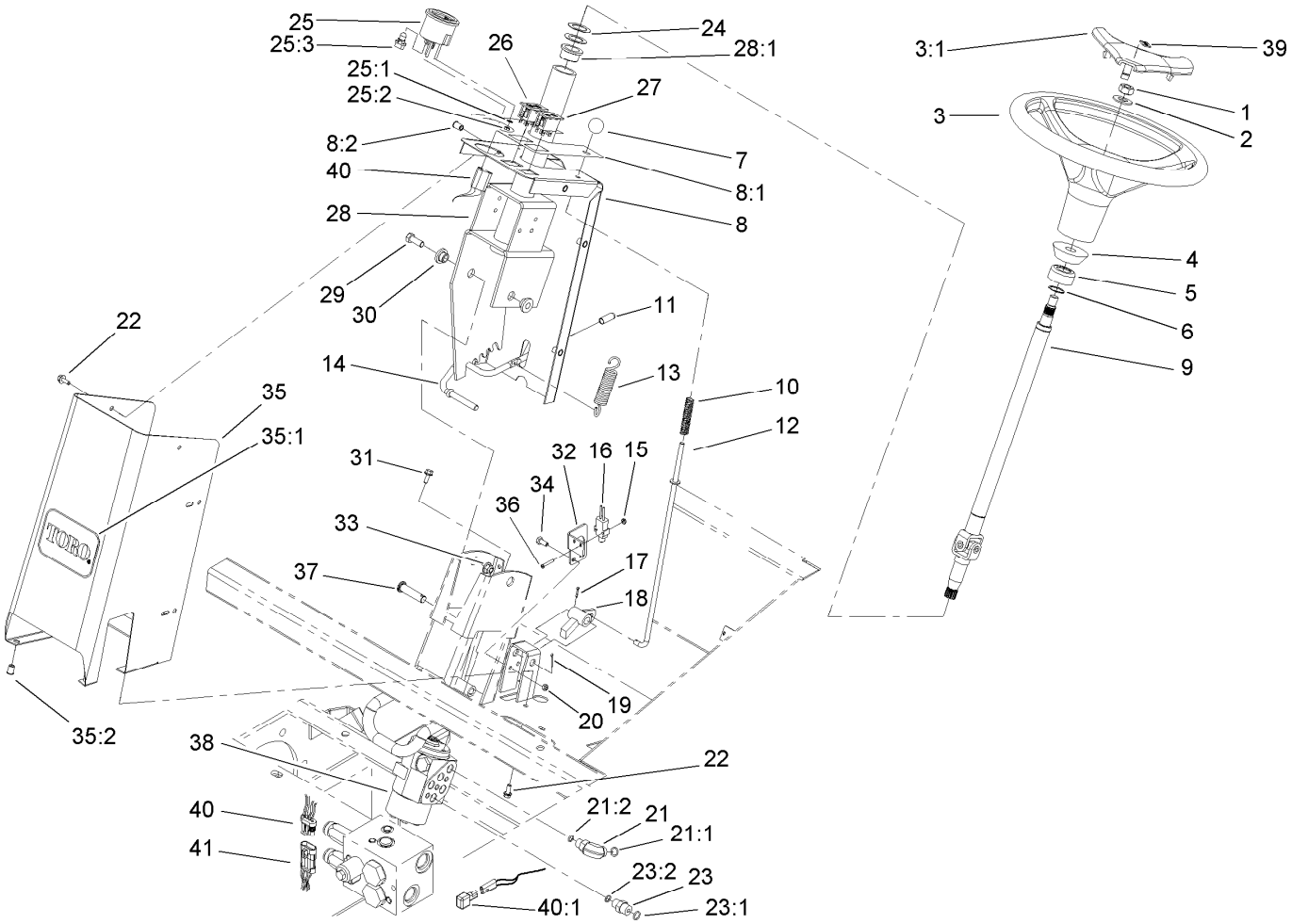


Premium Seat Assembly Model No. 30622

Ref.	Part Number	Qty.	Description
1	108-8016	1	Backrest Cushion ASM
1:1		3	Screw ●
2	108-8017	1	Seat Cushion ASM
2:1		4	Screw ●
3	108-8018	1	Cover-Armrest
4	108-8019	1	LH Armrest ASM
4:1	82-9650	1	Nut
4:2	107-1198	1	Washer
5	108-8020	1	RH Armrest ASM
5:1	82-9650	1	Nut
5:2	107-1198	1	Washer
6	108-8021	1	Cover-Armrest
7	108-8022	2	Cover-Black
8	108-8024	1	Switch Kit
8:1		3	Wire Tie ●
8:2		4	Rivet ●
8:3		1	Switch ●

Ref.	Part Number	Qty.	Description
8:4		2	Spring ●
8:5		2	Bumper ●
8:6		1	Spring-Return ●
8:7		1	Plate-Mounting ●
8:8		1	Magnet ●
9	108-8025	1	Adjustment Rail Set
9:1		1	Rail-Adjustment, RH ●
9:2		1	Rail-Adjustment, LH ●
9:3		1	Stop-Rail ●
9:4		1	Handle ●
9:5		3	Screw ●
9:6		3	Washer ●
9:7		1	Screw ●
10	110-6189	1	Switch Kit
10:1		1	Switch ●
10:2		3	Wire Tie ●
10:3		2	Rivet ●

● Not serviced separately

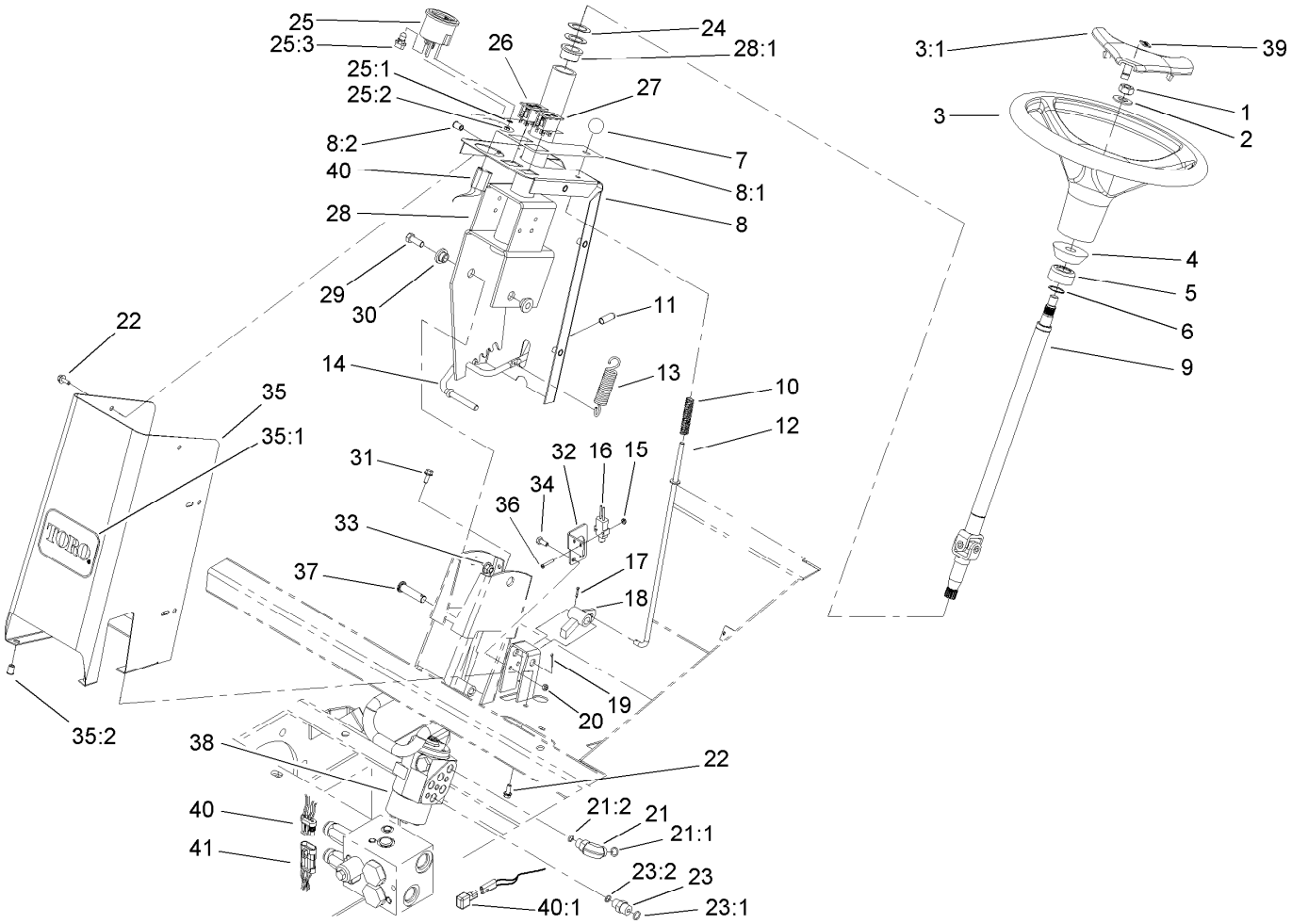


Steering Tower Assembly

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

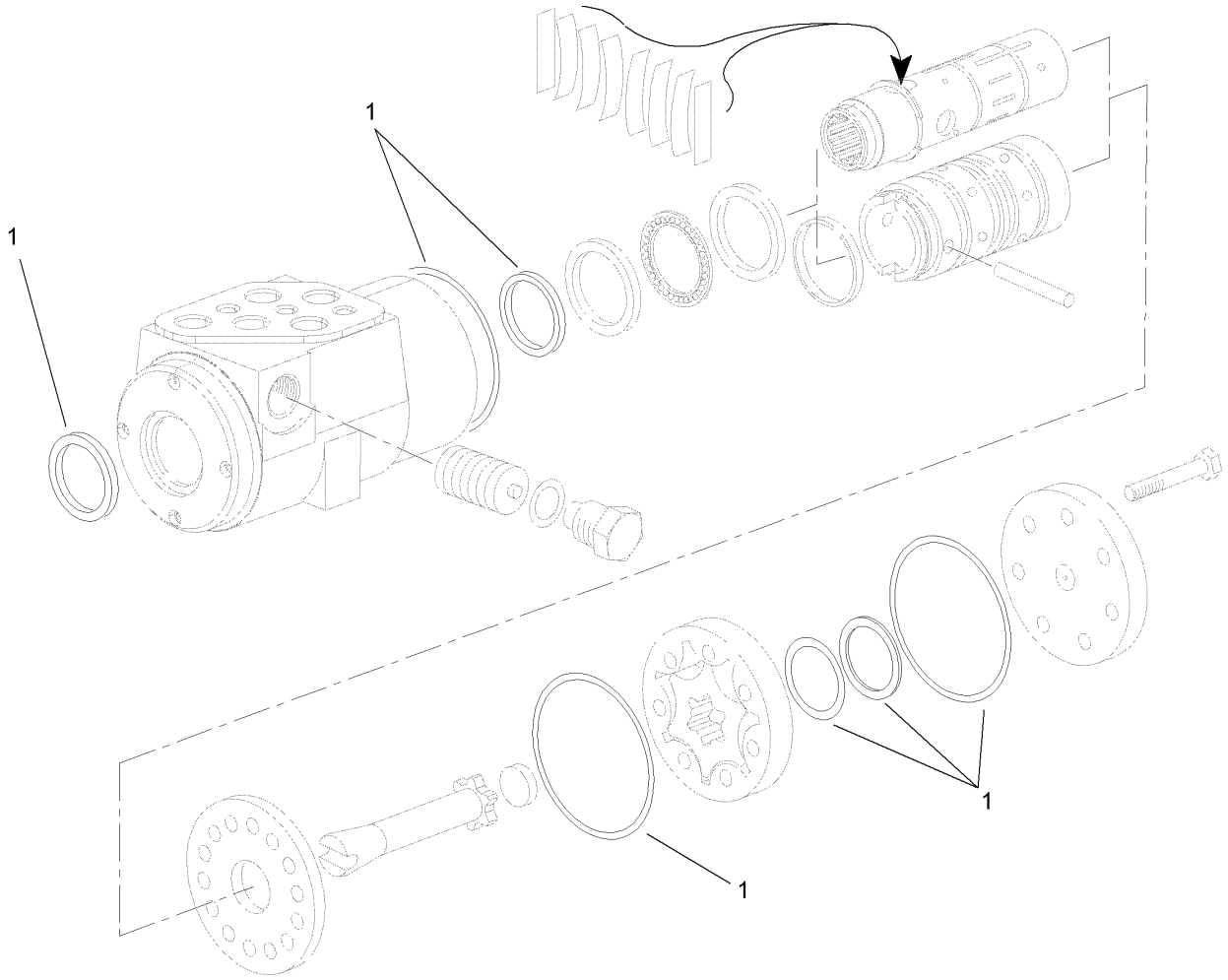
● Not illustrated



Steering Tower Assembly (continued)

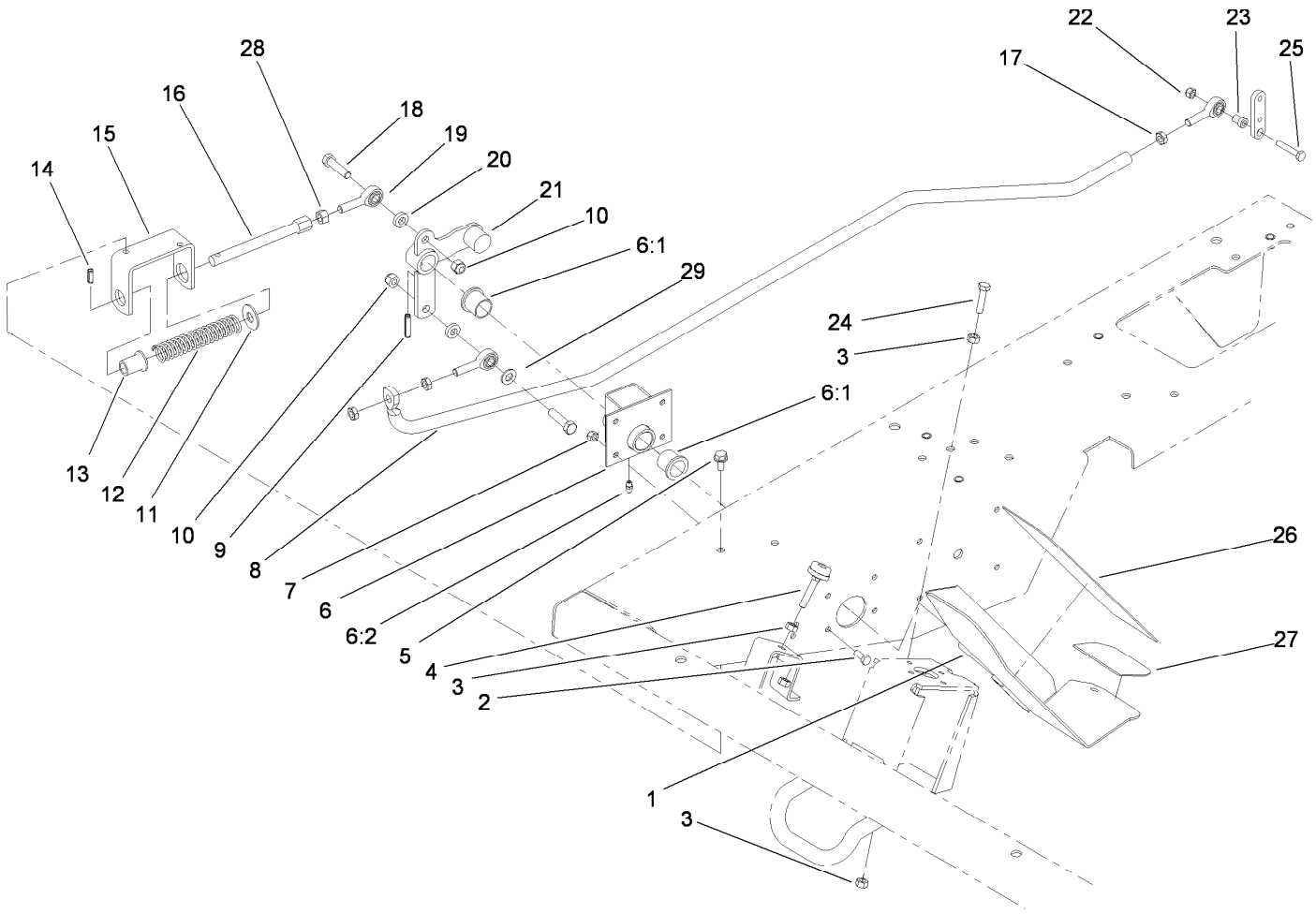
Ref.	Part Number	Qty.	Description
38	114-5074	1	HYD Steering Valve ASM
39	98-1459	1	Decal
40	105-7476	1	Harness-Wire, Front
40:1	100-4918	1	Diode
41	106-7160	1	Harness-Wire, Jumper
41:1	100-4918	1	Diode ●

● Not illustrated



Steering Valve Assembly No. 114-5074

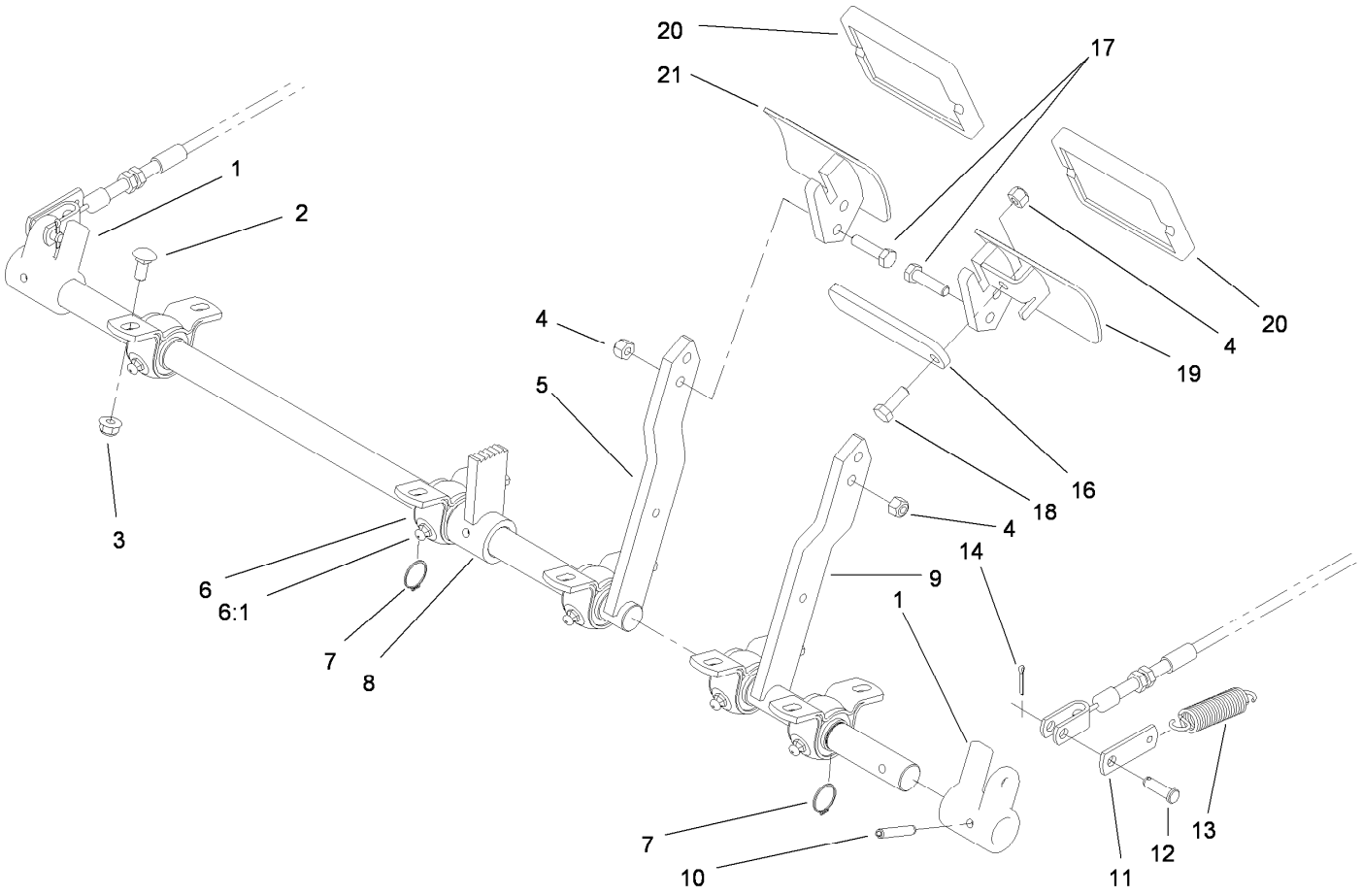
Ref.	*Part Number*	*Qty.*	*Description*
1	108-1519	1	Seal Kit



Traction Pedal Assembly

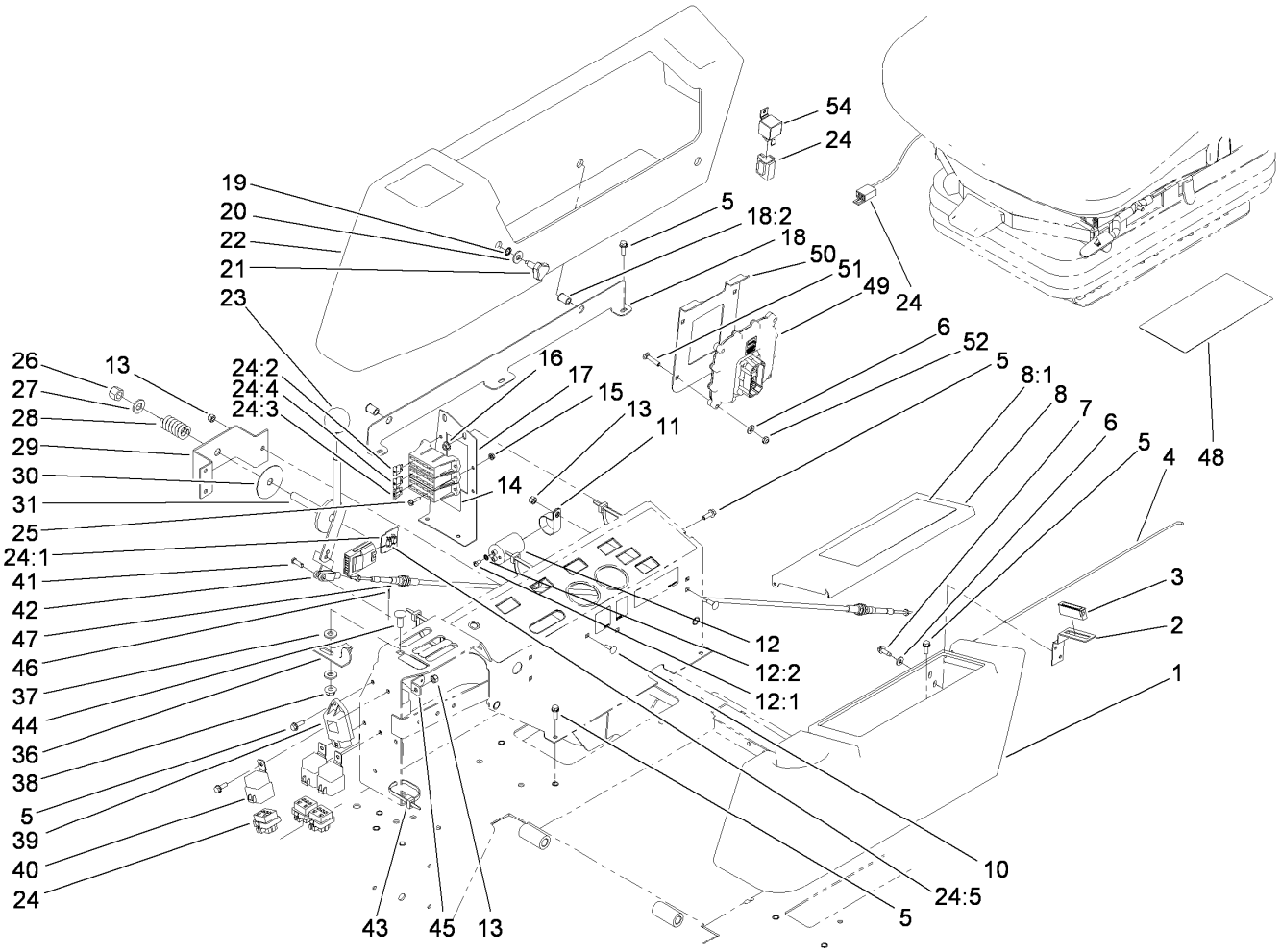
Ref.	Part Number	Qty.	Description
1	93-5133-01	1	Pedal-Traction
2	321-4	4	Screw-HH
3	3217-6	4	Nut-Hex
4	32141-36	1	Screw-Adjustment, Level
5	32144-14	2	Screw-HWHTF
6	104-3565	1	Pedal Bracket ASM
6:1	256-10	2	Bushing-Flange
6:2	302-5	1	Fitting-Grease
7	3296-42	4	Nut-Lock, NI
8	100-3136-03	1	Rod-Traction
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	323-9	2	Screw-HH
19	2411-36	3	Bearing-End, Rod
20	80-7730	2	Spacer
21	114-2715	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

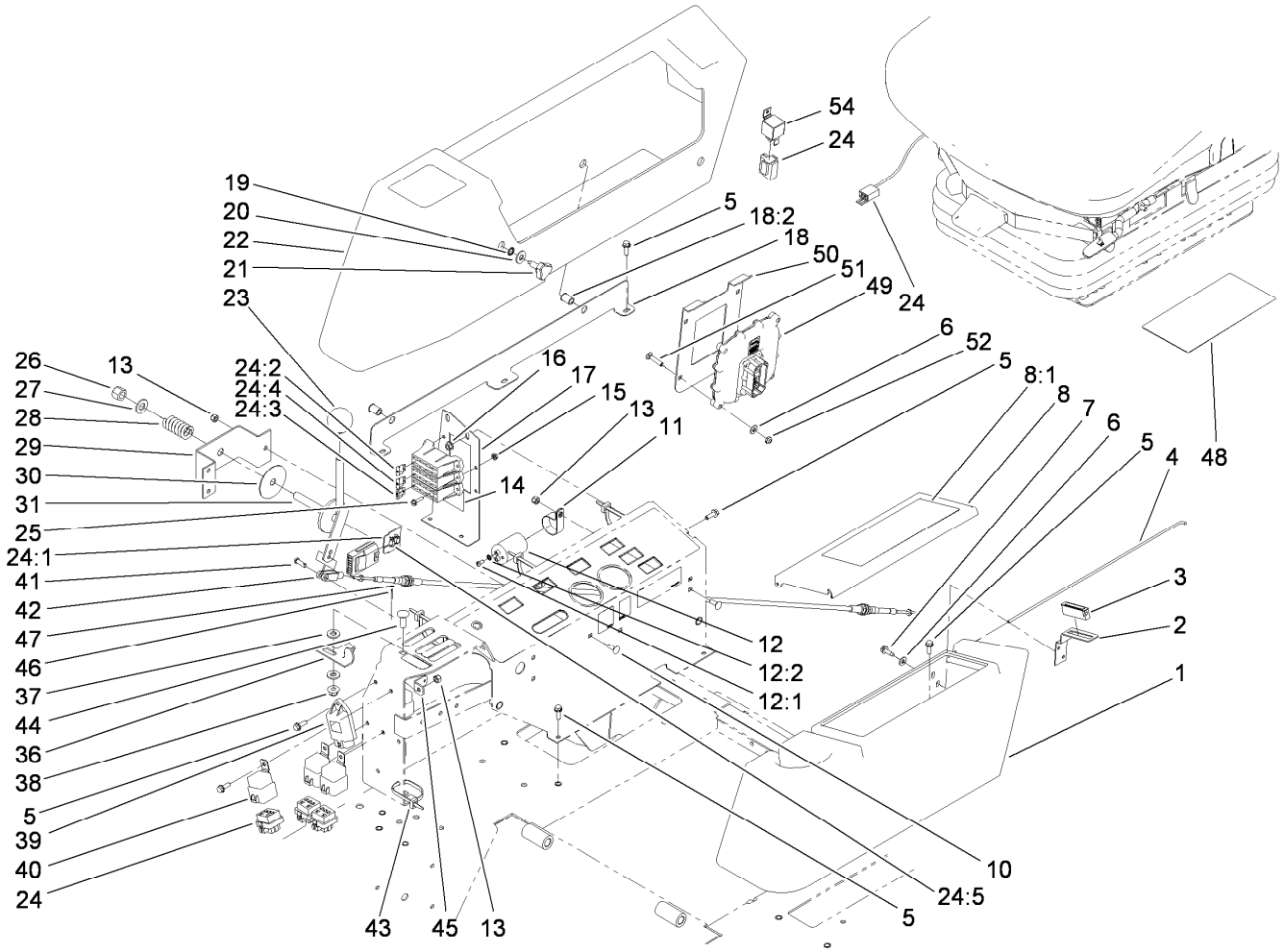
Ref.	*Part Number*	*Qty.*	*Description*
1	114-2714	2	Lever-Brake
2	3230-1	10	Bolt-CARR
3	104-8300	10	Nut-HF, NI
4	3296-29	5	Nut-Lock, NI
5	100-3000-03	1	RH Brake Arm ASM
6	93-4849	5	Bearing-Block, Pillow
6:1	302-5	1	Fitting-Grease
7	32151-83	3	Ring-Snap
8	93-5475-03	1	Brake Latch ASM
9	100-2997-03	1	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

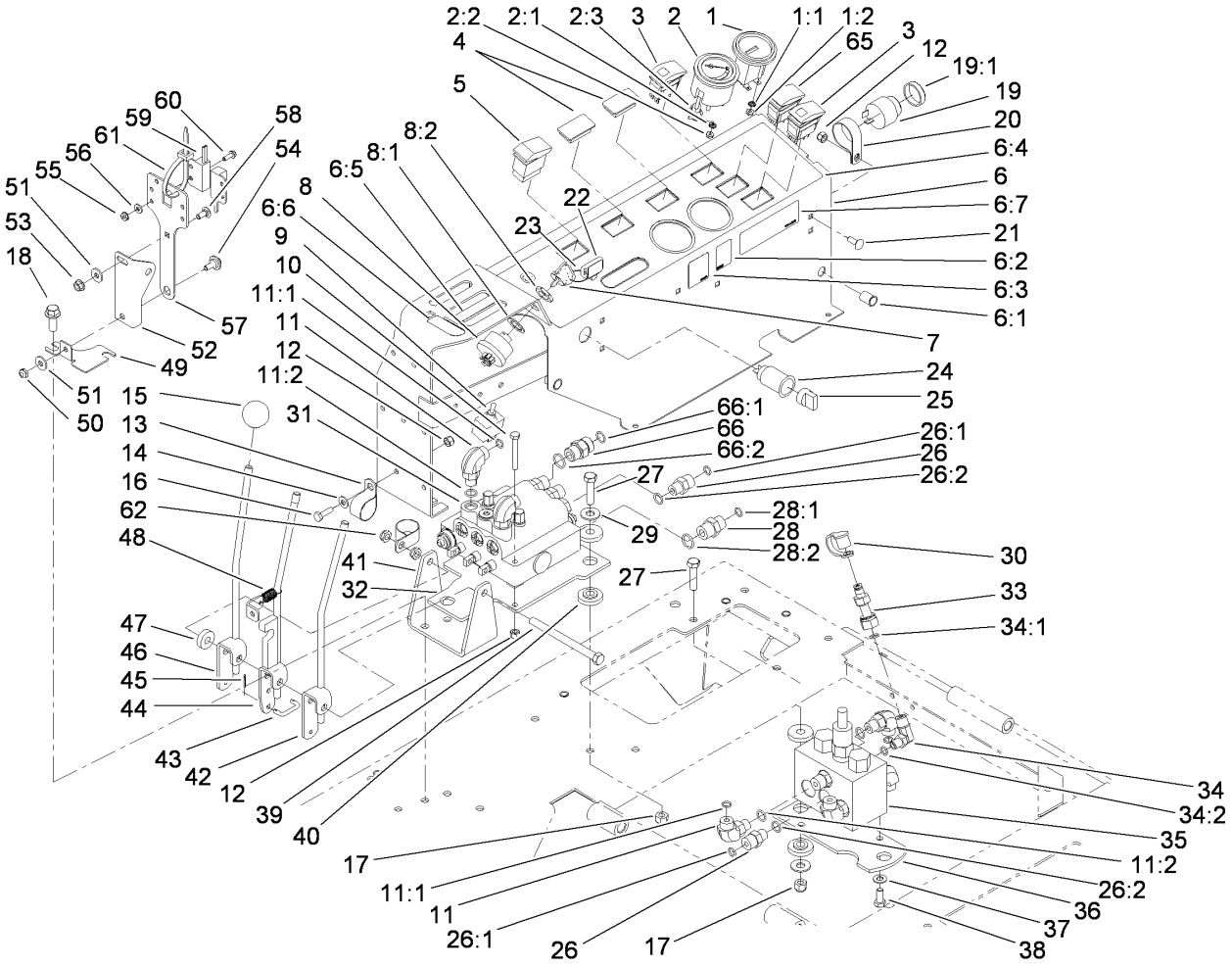
Ref.	Part Number	Qty.	Description
1	104-7515	1	Housing-Box, Tool
2	104-7545	1	Bracket-Latch
3	58-4250	1	Catch-Magnetic
4	104-7548	1	Rod-Hinge
5	3234-4	20	Screw-HHF
6	3256-22	6	Washer-Flat
7	32104-95	2	Screw-HWH
8	104-8321	1	Tool Box Cover ASM
8:1	117-2766	1	Decal-Warning, CE
8:1	117-2754	1	Decal-Warning
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	115-8474	1	Decal-Fuse
15	32149-7	3	Nut-Keps
16	32128-33	2	Nut-HF
17	115-3793-03	1	Support-Control Panel
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
23	233-48	1	Knob
24	114-9756	1	Harness-Wire

Ref.	Part Number	Qty.	Description
24:1	92-3188	1	Diode-Board, Circuit
24:2	110928	1	Fuse-Blade, 5 Amp
24:3	114241	1	Fuse-Blade, 7.5 Amp
24:4	218-578	5	Fuse-Blade, 10 Amp
24:5	100-4918	1	Diode
25	32105-13	3	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	8	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
48	117-2766	1	Decal-Warning, CE
49	114-3321	1	Controller-Tec
50	115-3785-03	1	Mount-Controller
51	3229-3	4	Screw-CARR



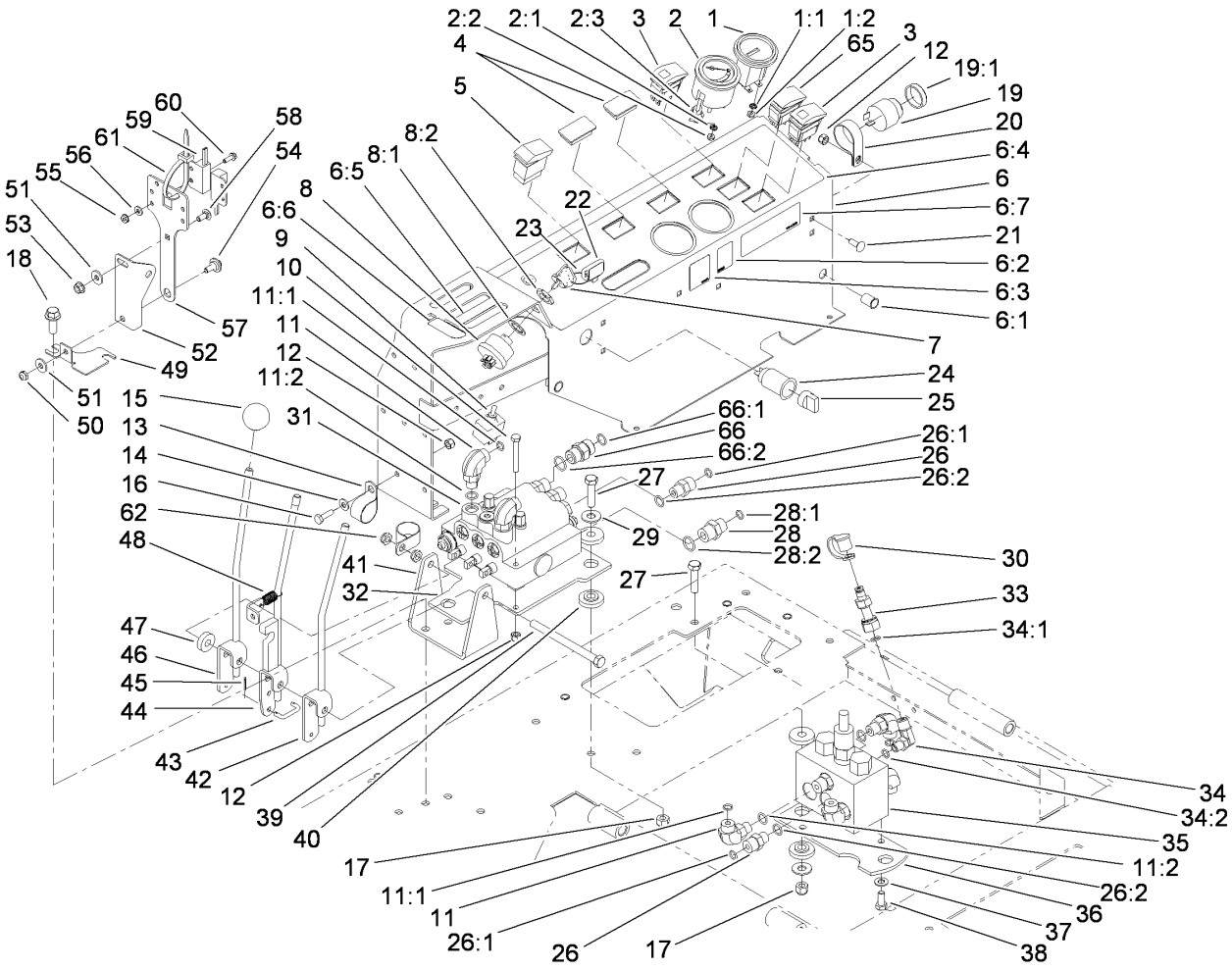
Control Console and Tool Box Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
52	3296-56	4	Nut-Lock, NI
54	99-7435	1	Relay



Control Console Assembly

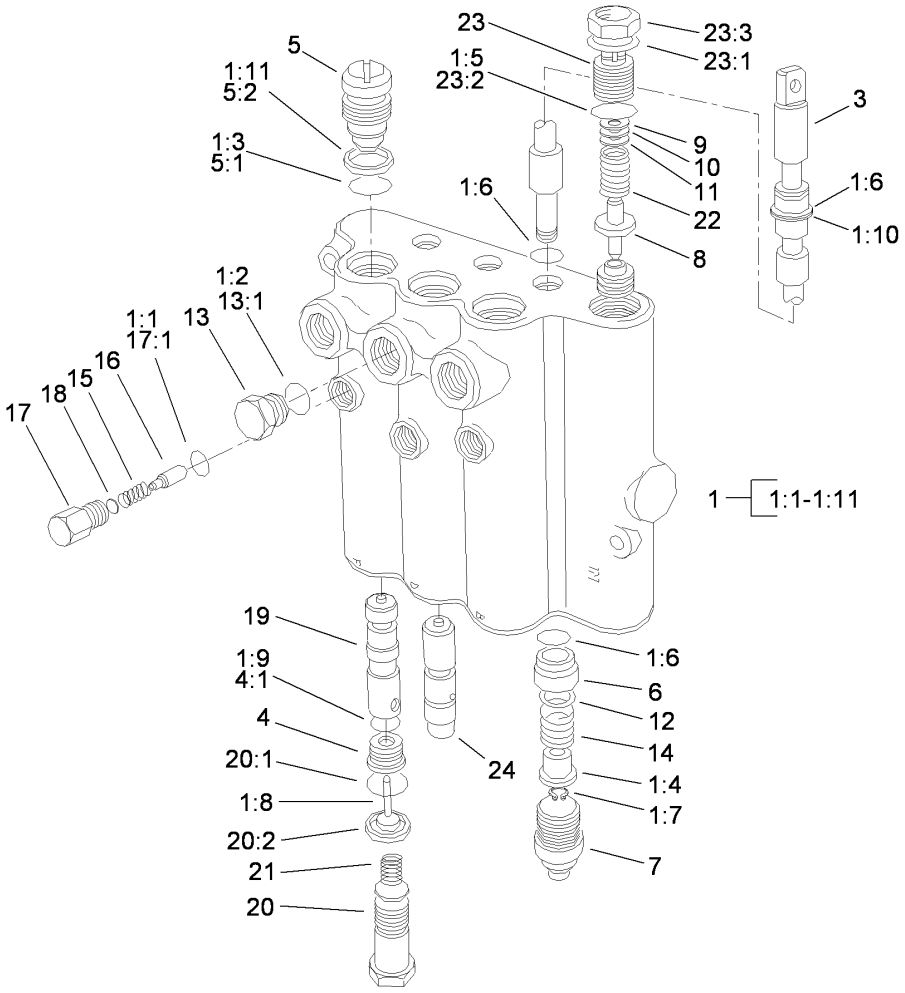
Ref.	Part Number	Qty.	Description
1	66-2950	1	Gauge-Hourmeter
1:1	3255-20	2	Washer-Lock
1:2	3217-25	2	Nut-Hex
2	98-9339	1	Gauge-Fuel
2:1	3254-1	3	Washer-Lock, Int
2:2	3217-27	3	Nut-Hex
2:3	105-9265	1	Bulb And Lamp ASM
3	100-8072	2	Switch
4	99-7420	2	Plug-Hole
5	95-8999	1	Switch
6	115-3750	1	Control Panel ASM
6:1	32148-9	2	Nut-Clinch
6:2	93-7252	1	Decal
6:3	105-4674	1	Decal-Noise
6:4	115-3753	1	Decal-Control Panel
6:5	104-8324	1	Decal-Lift
6:6	104-8325	1	Decal-Lock
6:7	108-5278	1	Decal
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
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



Control Console Assembly (continued)

Ref.	Part Number	Qty.	Description
34:2	237-78	1	O-Ring
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
49	107-0187	1	Plate-Tab
50	3296-56	1	Nut-Lock, NI

Ref.	Part Number	Qty.	Description
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	32105-23	4	Screw
61	3290-378	1	Tie-Cable
62	3296-59	2	Nut-Lock, NI
65	114-3329	1	Switch-Rocker
66	340-4	1	Fitting-Straight
66:1	237-30	1	O-Ring
66:2	237-79	1	O-Ring

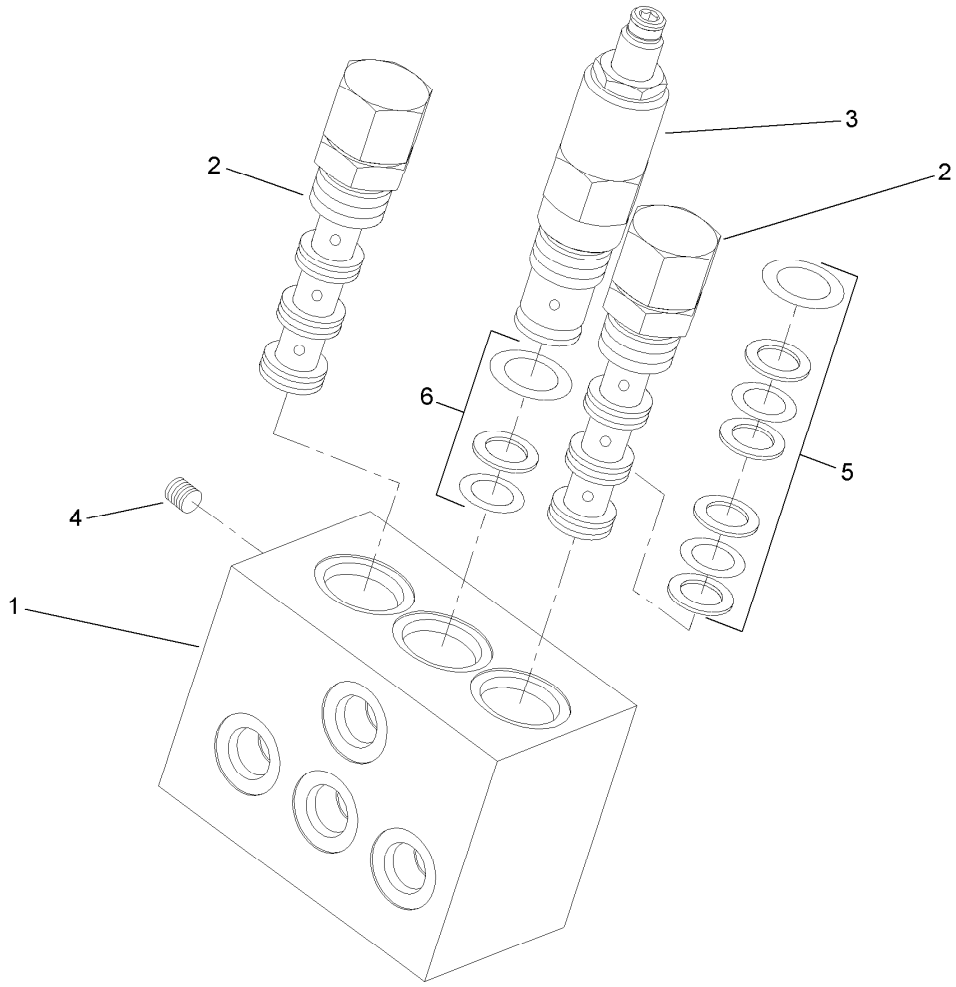


Control Valve Assembly No. 69-1780

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

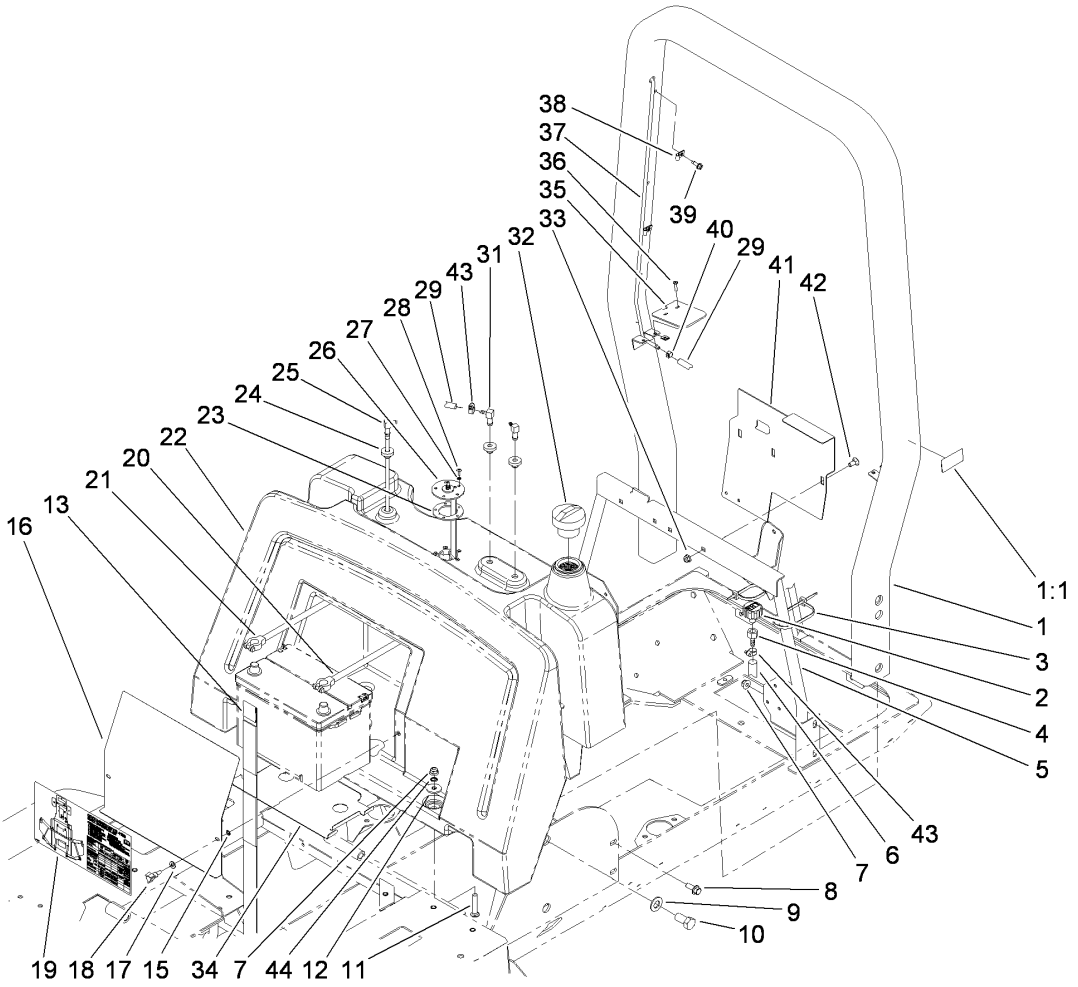
● Not serviced separately



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

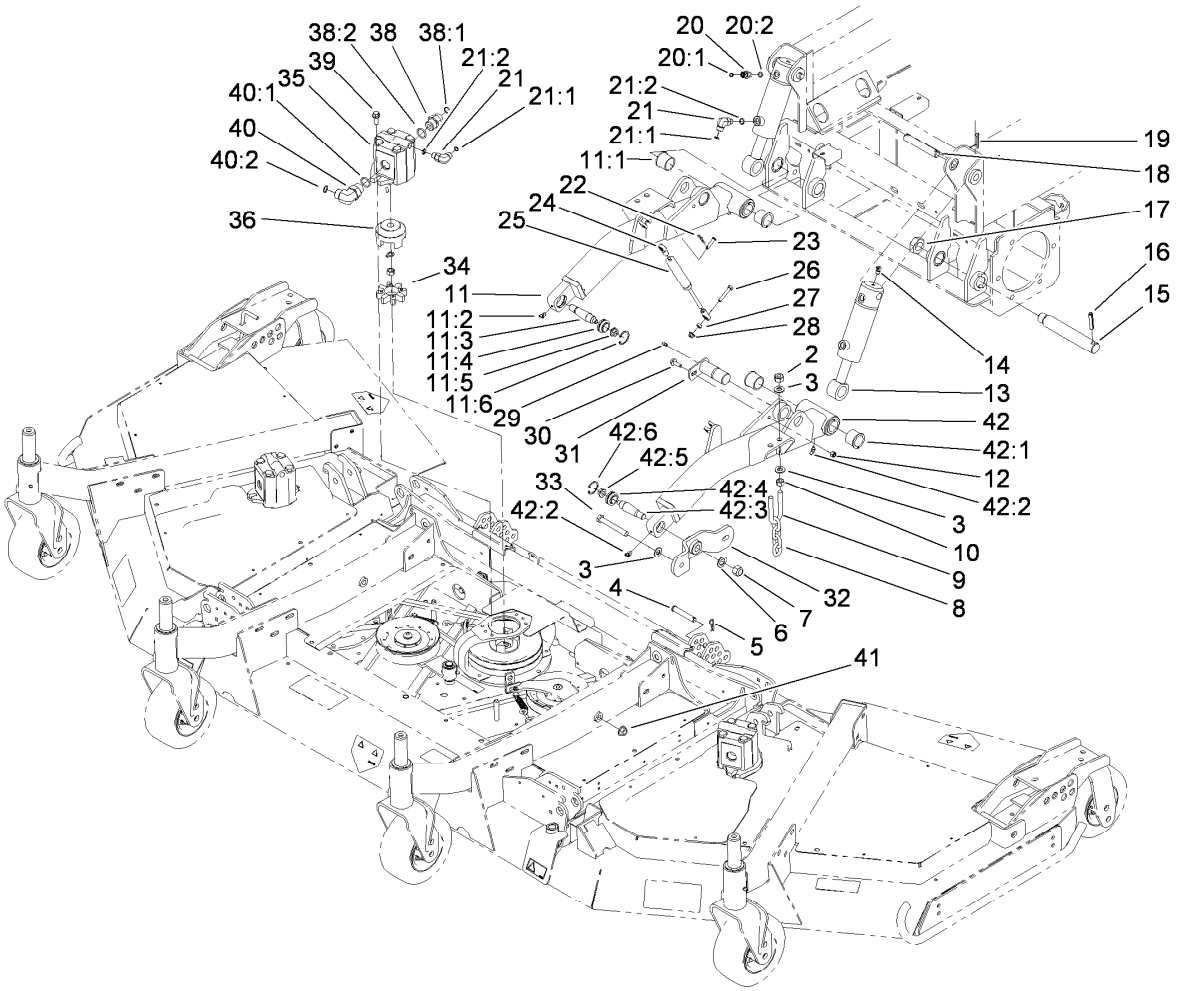
● Not serviced separately



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	115-8455	1	Decal-Service
20	104-0761	1	Cable-Negative
21	108-1802	1	Cable-Battery, Positive
22	115-3788	1	Tank-Fuel

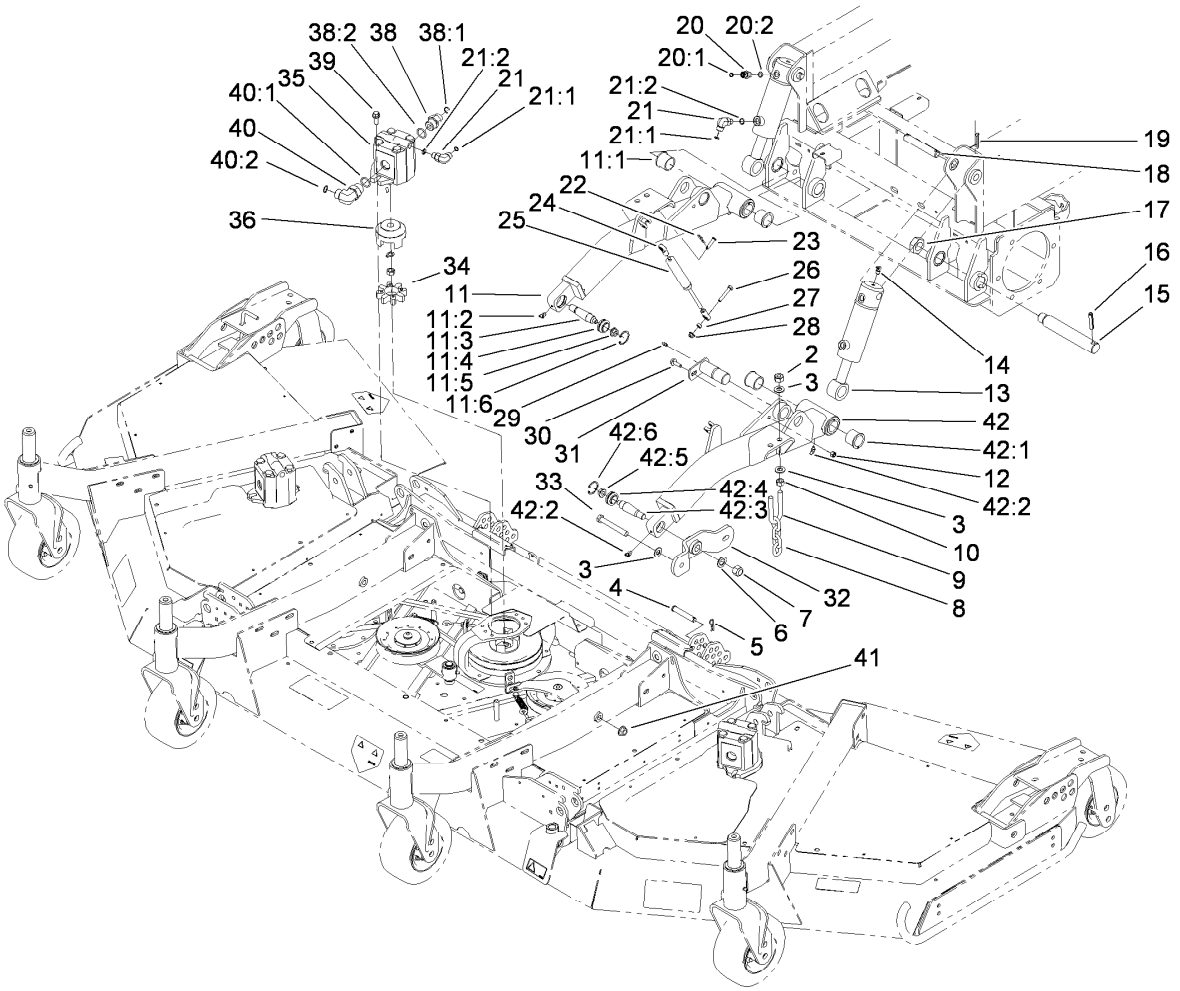
Ref.	Part Number	Qty.	Description
23	62-7650	1	Gasket
24	46-6560	3	Bushing
25	114-3836	1	Pipe-Stand
26	104-0700	1	Sender-Fuel
27	3253-15	5	Washer-Lock
28	32122-24	5	Screw-PTH
29	110-3255	1	Hose-Fuel
31	104-5228	2	Fitting-Elbow, 90 DEG
32	115-3002	1	Cap-Biodiesel
33	104-8300	2	Nut-HF, NI
34	105-0774-03	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
44	32151-72	2	Ring-Retaining



Front Deck, Lift Arm and Cylinder Assembly

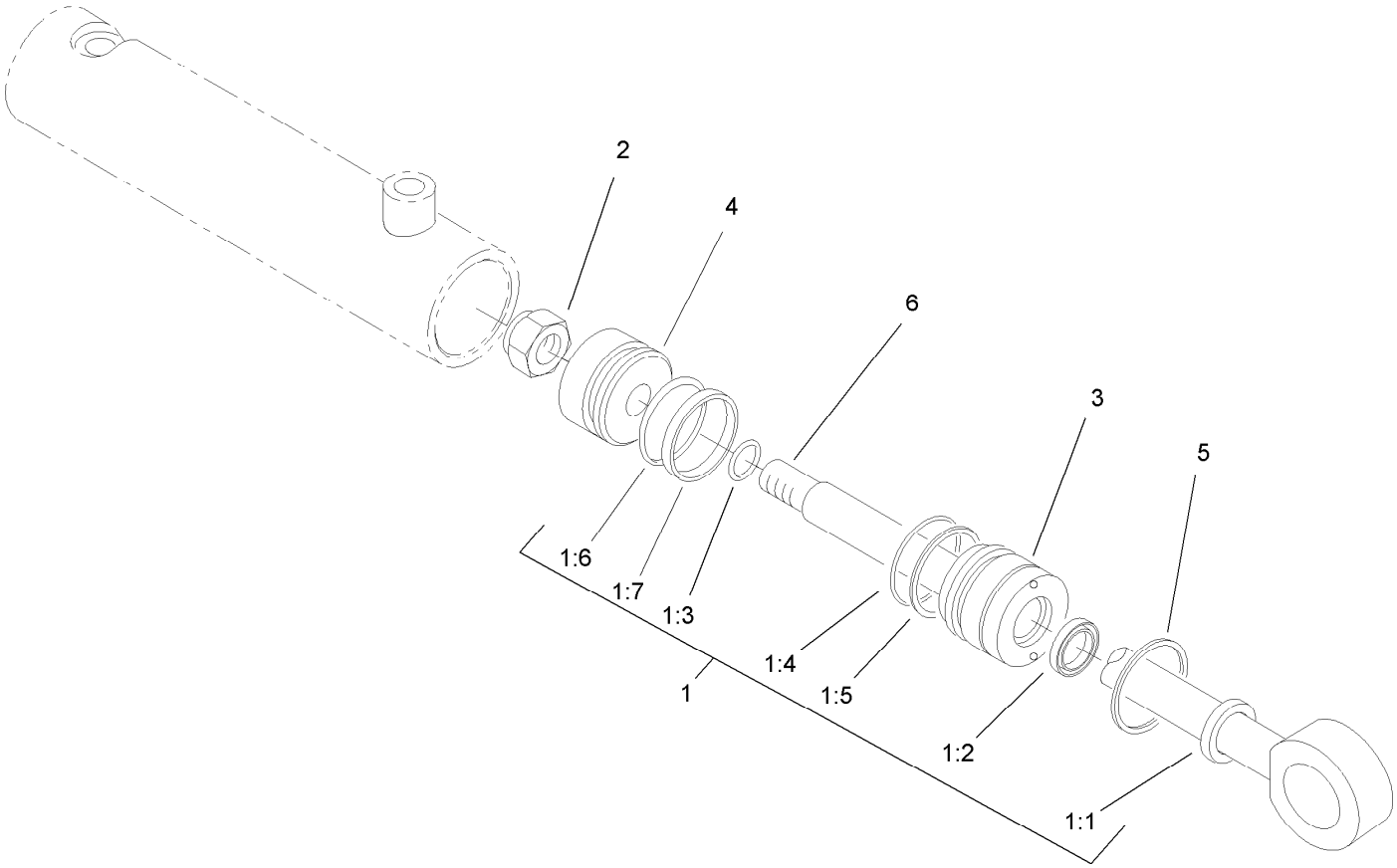
Ref.	Part Number	Qty.	Description
2	3296-25	4	Nut-Lock, NI
3	3256-26	12	Washer-Flat
4	283-55	2	Pin-Clevis
5	3290-467	2	Pin-Hair
6	86-1440	2	Washer-Flat
7	3296-41	2	Nut-Lock NI
8	95-6231	2	Chain-HOC
9	104-0108	2	U-Bolt
10	3217-9	4	Nut-HH
11	105-7345	1	RH Arm ASM
11:1	104-0015	2	Bushing-Flange
11:2	302-11	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	115-5442-01	2	Support-Hub
33	325-35	4	Screw-HH
34	104-3542	3	Spider
35	99-5489	3	Gear Motor ASM
36	104-3541	3	Hub-Spider
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
42:1	104-0015	2	Bushing-Flange



Front Deck, Lift Arm and Cylinder Assembly (continued)

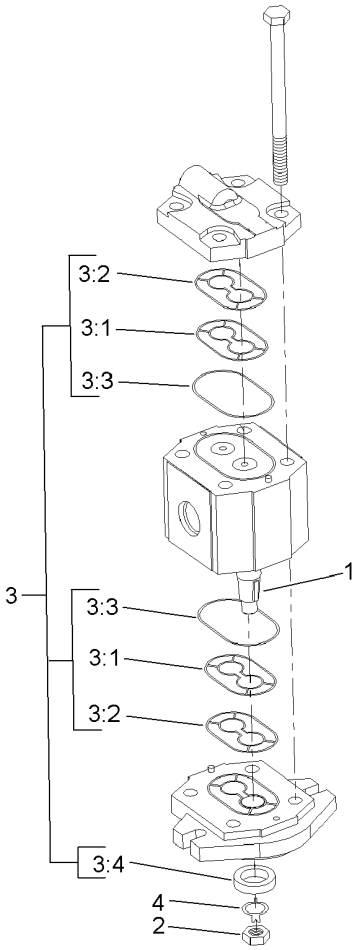
Ref.	Part Number	Qty.	Description
42:2	302-11	2	Fitting-Lube, 45 DEG
42:3	105-7468	1	Stud-Tapered
42:4	105-7441	1	Bearing-Spherical
42:5	32128-42	1	Nut-HF
42:6	32151-34	1	Ring-Retaining



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	Ring-Retaining ●
1:4		1	Ring-Retaining ●
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 ●

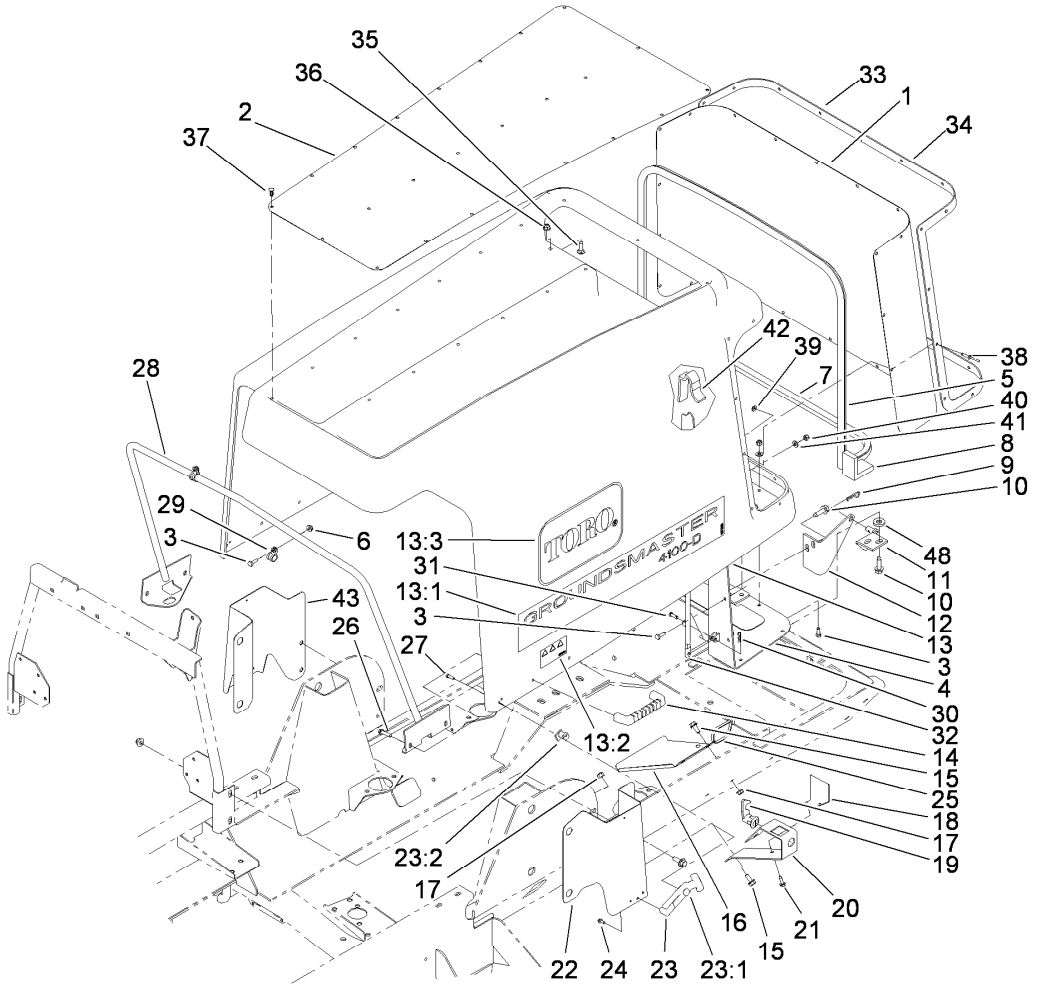
● Not serviced separately



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	Ring-Retaining ●
3:4		1	Seal-Lip, Shaft ●
4	104-4283	1	Washer-Tab

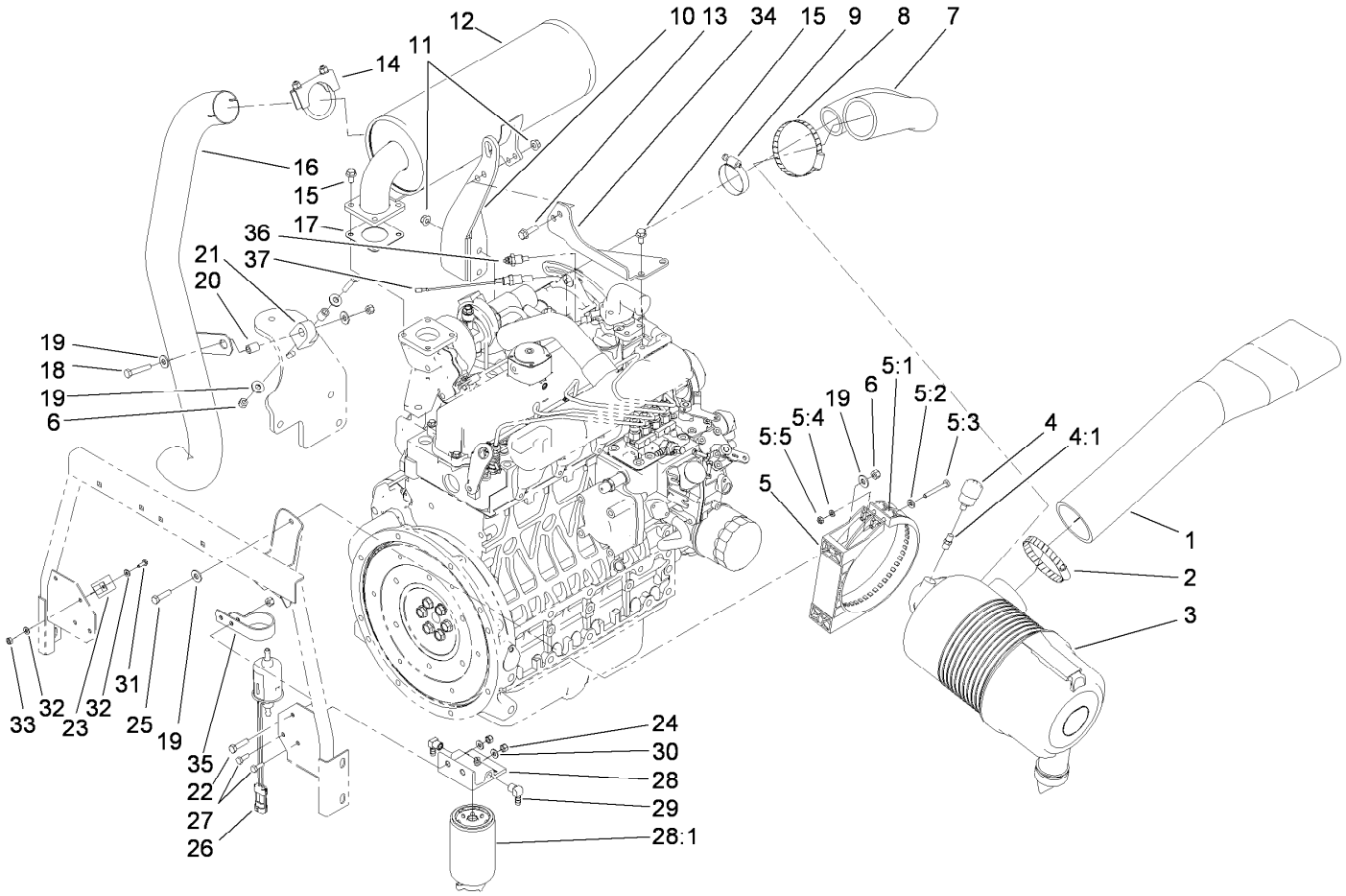
● Not serviced separately



Hood and Screen Assembly

Ref.	Part Number	Qty.	Description
1	114-3844-03	1	Screen-Rear
2	114-3845-03	1	Screen-Top
3	321-4	22	Screw-HH
4	114-3824-03	1	Screen ASM
5	114-3823	1	Seal-Bulb
6	32128-33	2	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	114-9779	1	Hood ASM
13:1	105-7360	2	Decal-Hood
13:2	106-6754	1	Decal-Danger
13:3	66-1210	2	Decal
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
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	105-7467-03	1	Bracket-Latch, LH

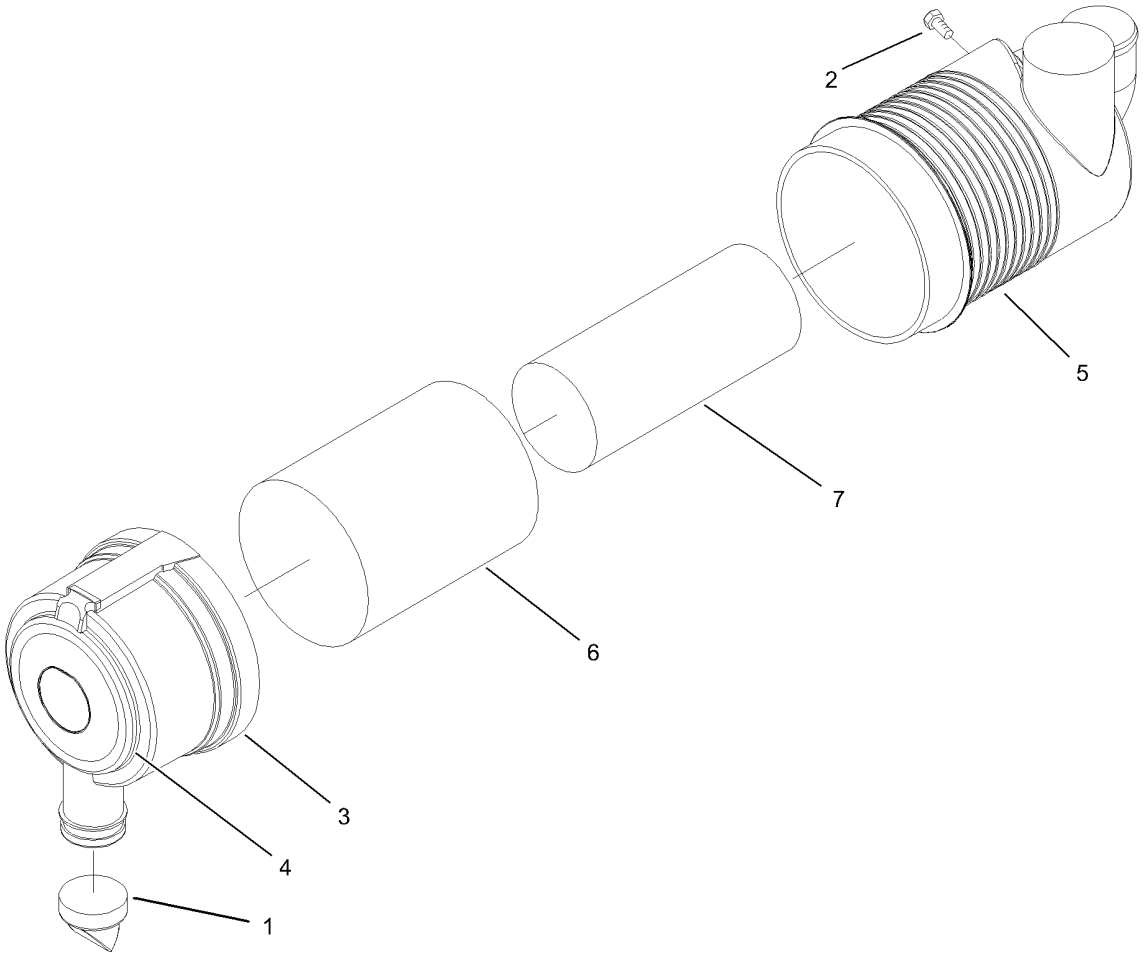
Ref.	Part Number	Qty.	Description
23	94-5626	2	Flexible Draw Latch ASM
23:1	103-4080	1	Latch-Rubber
23:2	103-4081	1	Latch-Keeper
24	32144-1	4	Screw-Taptite
25	3290-378	1	Tie-Cable
26	46-8092	4	Screw-Plastite
27	32104-4	2	Screw
28	104-3505-03	1	Support-Hood
29	2412-134	2	Clamp-R
30	3290-307	2	Pin-Cotter
31	283-67	2	Pin-Clevis
32	104-8313	2	Rod-Hood
33	115-3759-03	1	Mount-Screen, RH
34	115-3758-03	1	Mount-Screen, LH
35	3230-2	2	Bolt-CARR
36	104-8300	2	Nut-HF, NI
37	114-4899	24	Plug-Plastic
38	3269-28	22	Rivet-Pop
39	3269-26	22	Washer-Plain
40	3296-42	20	Nut-Lock, NI
41	3256-22	20	Washer-Flat
42	115-8479	2	Seal-Foam
43	105-7466-03	1	Bracket-Latch, RH
48	43-0940	4	Spacer



Air Cleaner and Muffler Assembly

Ref.	Part Number	Qty.	Description
1	114-3846	1	Hose-Air Cleaner
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	117-2396	1	Hose-Air Cleaner
8	2412-110	1	Clamp-Band/Screw
9	2412-92	1	Clamp-Hose
10	114-9781-03	1	Mount-Exhaust
11	33004-00	4	Nut-HF
12	114-3849	1	Muffler-Turbo
13	33104-030	2	Screw-HHF
14	49-2580	1	Clamp-Muffler
15	33104-016	6	Screw-HHF
16	114-9774	1	Pipe-Exhaust

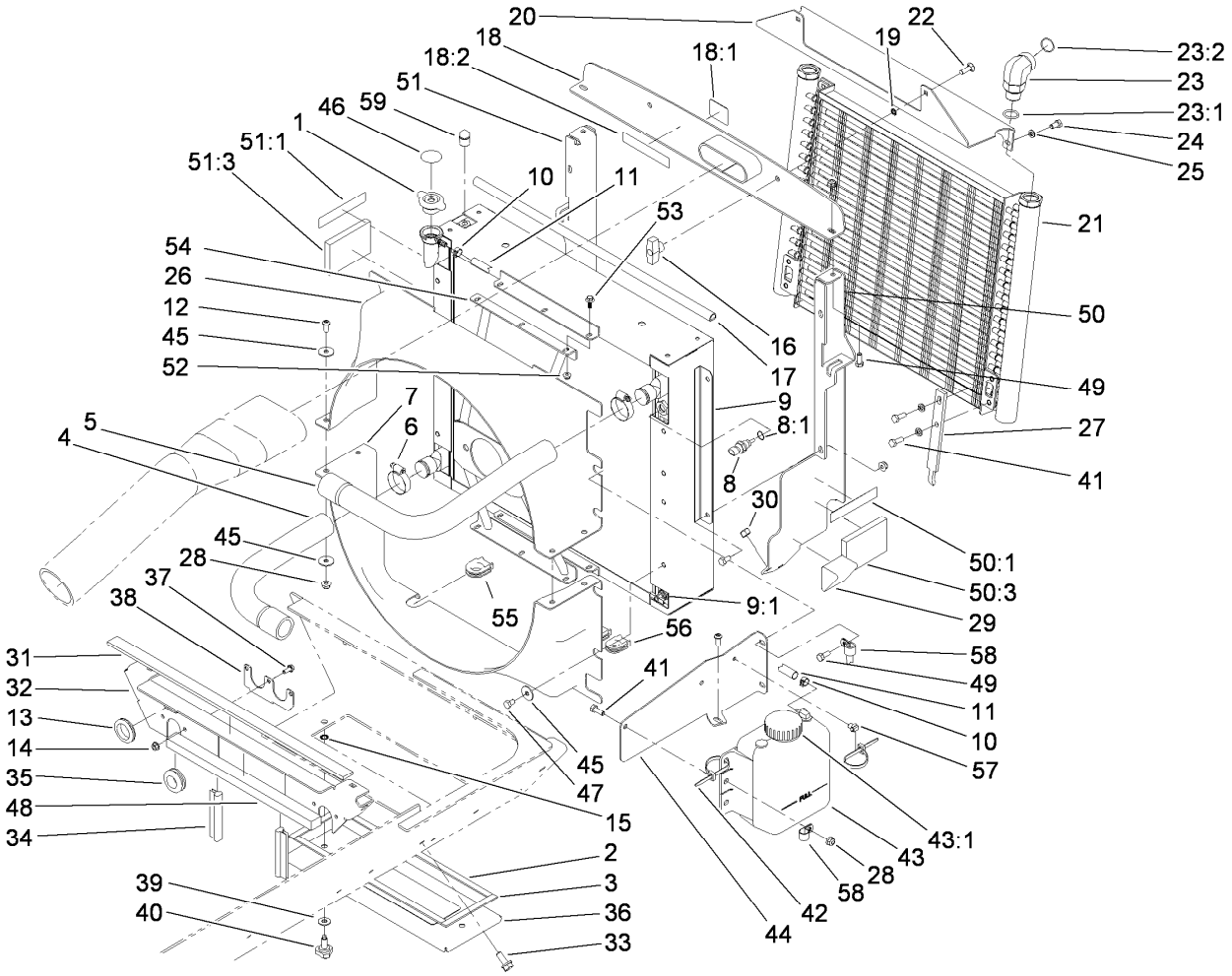
Ref.	Part Number	Qty.	Description
17	100-9333	1	Gasket-Muffler
18	322-9	2	Screw-HH
19	3256-3	8	Washer-Flat
20	93-5023	2	Spacer
21	95-5622	1	Hanger-Rubber
22	321-8	1	Screw-HH
23	99-7435	1	Relay
24	3296-42	3	Nut-Lock, NI
25	322-6	2	Screw-HH
26	110-8806	1	Pump-Fuel
27	321-4	2	Screw-HH
28	110-9044	1	Separator-Filter
28:1	110-9049	1	Filter-Spin On
29	353-781	2	Fitting-HYD, 90
30	3256-22	2	Washer-Flat
31	32105-23	1	Screw
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
36	98-9346	1	Sender-Temperature
37	112-6347	1	Switch-Temp, Dual



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

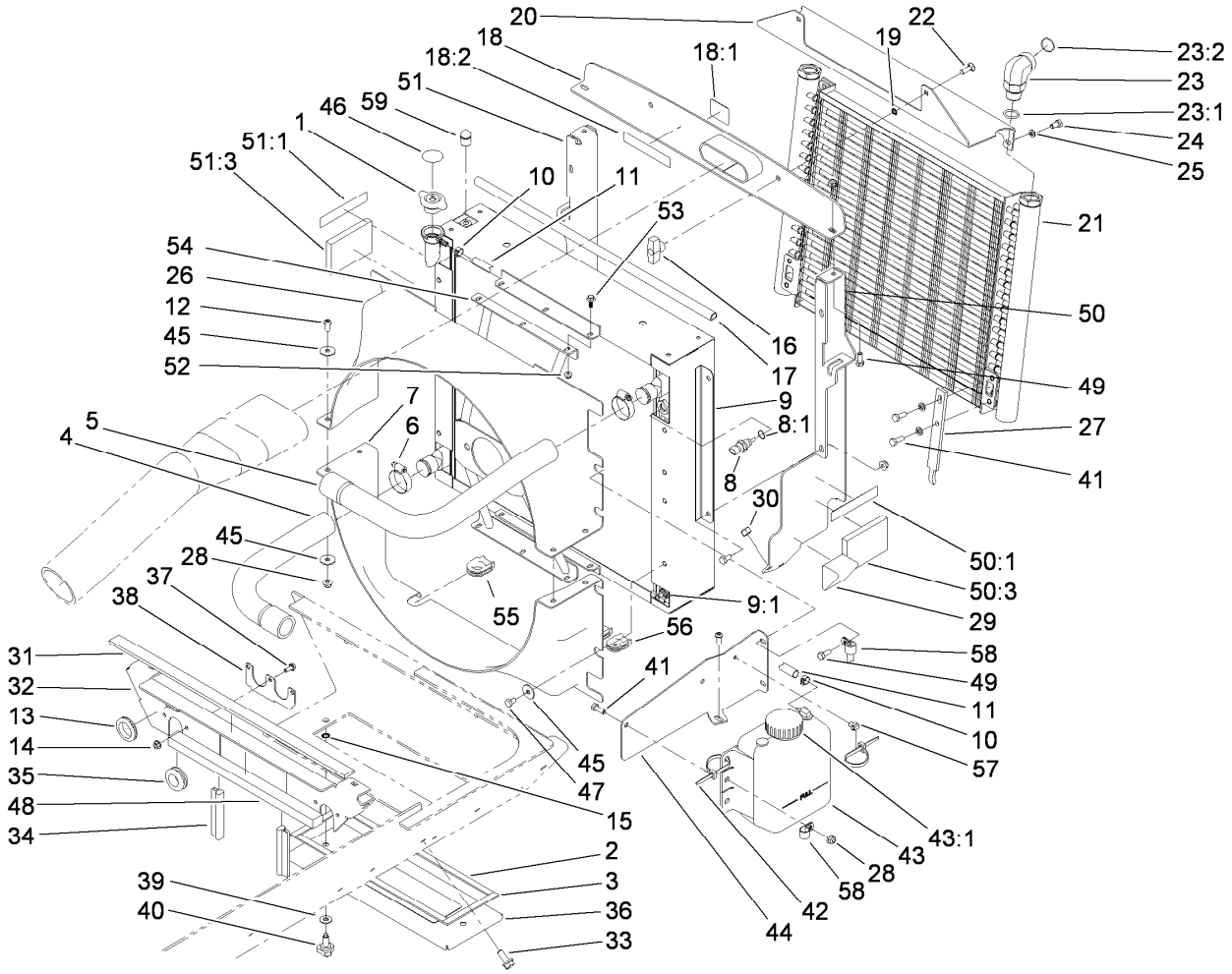
● Not serviced separately



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	114-3832	1	Hose-Radiator, Lower
5	114-3831	1	Hose-Radiator, Upper
6	2412-111	4	Clamp
7	114-3834	1	Shroud-Radiator, Lower
8	110-8829	1	Sender-Temperature
8:1	237-42	1	O-Ring
9	114-3833	1	Radiator
9:1	304-46	1	Draincock
10	92-2379	3	Clamp-Hose
11	109-0277	2	Hose-Fuel
12	3274-55	4	Screw-HSBH
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	114-3828	1	Seal-Bulb
18	114-3813	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	117-5667-03	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

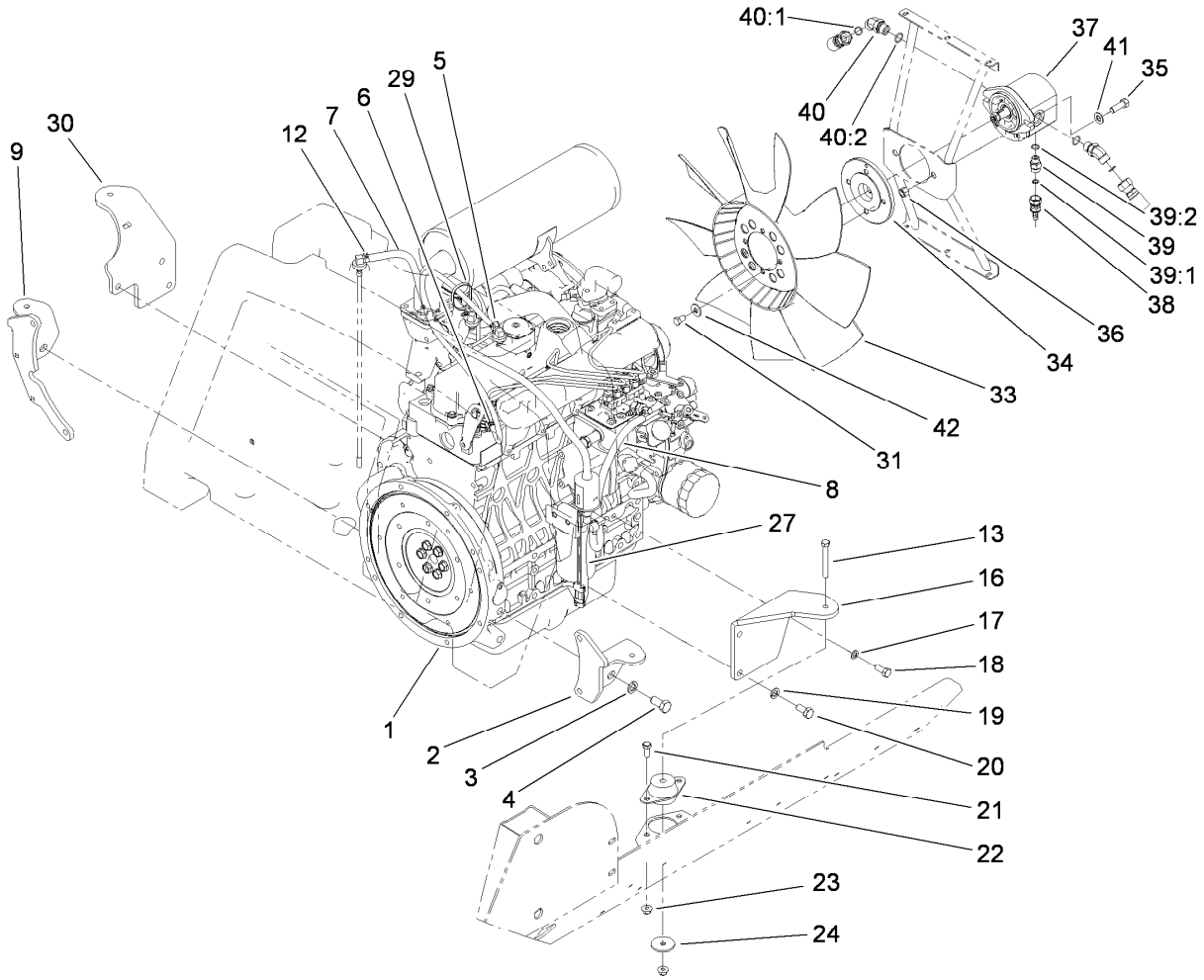
Ref.	Part Number	Qty.	Description
23:2	340-65	1	O-Ring
24	322-2	6	Screw-HH
25	3253-4	6	Washer-Lock
26	114-3816	1	Shroud-Radiator, Upper
27	117-5657-03	2	Plate-Mount, Oil Cooler
28	104-8300	10	Nut-HF, NI
29	93-5954	2	Plug-Foam
30	3296-39	6	Nut-Lock, NI
31	104-2226	1	Strip-Foam
32	114-9763-03	1	Bracket-Base
33	3234-24	6	Screw-HHF
34	104-2224	2	Seal-Bulb
35	237-165	2	Grommet
36	110-6157-03	1	Cover
37	3234-33	4	Screw-HHF
38	106-6773-03	2	Plate
39	3256-3	2	Washer-Flat
40	95-9648	2	Knob
41	322-4	6	Screw-HH
42	3290-378	1	Tie-Cable
43	104-2276	1	Reservoir-Coolant
43:1	87-7050	1	Cap-Reservoir
44	114-3801-03	1	Bracket-Tank
45	3256-82	13	Washer-Flat
46	106-6755	1	Decal-Cap, Radiator
47	322-1	7	Screw-HH
48	95-4231	1	Foam-Seal, Side Screen
49	322-3	3	Screw-HH



Radiator, Oil Cooler and Support Assembly (continued)

Ref.	Part Number	Qty.	Description
50	114-3805	1	Radiator LH Support ASM
50:1	93-7272	1	Decal-Warning
50:3	100-2196	1	Pad-Foam
51	114-3803	1	Radiator RH Support ASM
51:1	93-7272	1	Decal-Warning
51:3	100-2196	1	Pad-Foam
52	104-7201	6	Nut-HF

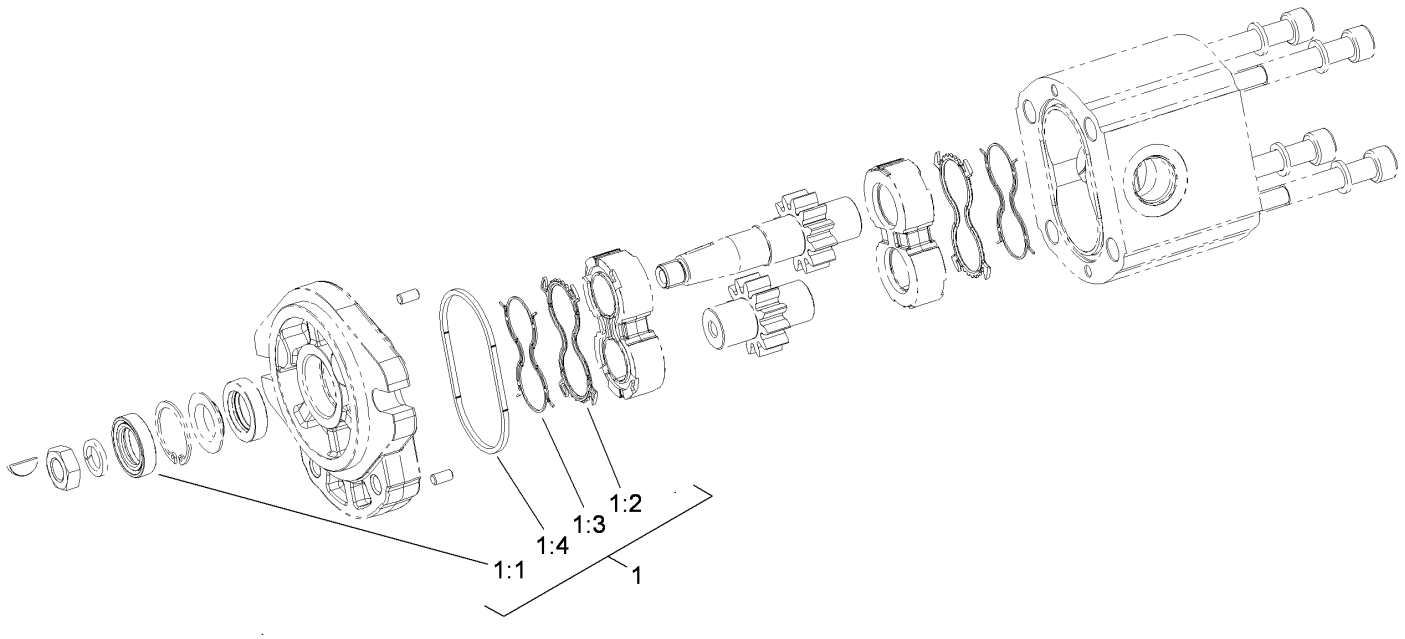
Ref.	Part Number	Qty.	Description
53	99-6810	6	Screw-HHF
54	114-9764-03	1	Bracket-Motor, Fan
55	115-3763	2	Grommet (.800 ID)
56	115-3764	1	Grommet (.680 ID)
57	32180-030	1	Clip-Tie
58	92-6064	2	Clamp-R
59	281-13	1	Plug-Pipe



Engine Mount, Fuel Line and Fan Drive Assembly

Ref.	Part Number	Qty.	Description
1	114-3800	1	Engine ASM
2	117-5659-03	1	Mount-Engine, LH
3	43-5950	2	Washer-Lock, Spring
4	43-3210	2	Screw-HH
5	2412-108	1	Clamp-Worm
6	2412-80	1	Clamp-Hose
7	110-3257	1	Hose-Fuel
8	110-3254	1	Hose-Fuel
9	117-5658-03	1	Mount-Engine, RH
12	92-2379	7	Clamp-Hose
13	323-14	4	Screw-HH
16	114-3817-03	1	Mount-Engine, LH
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

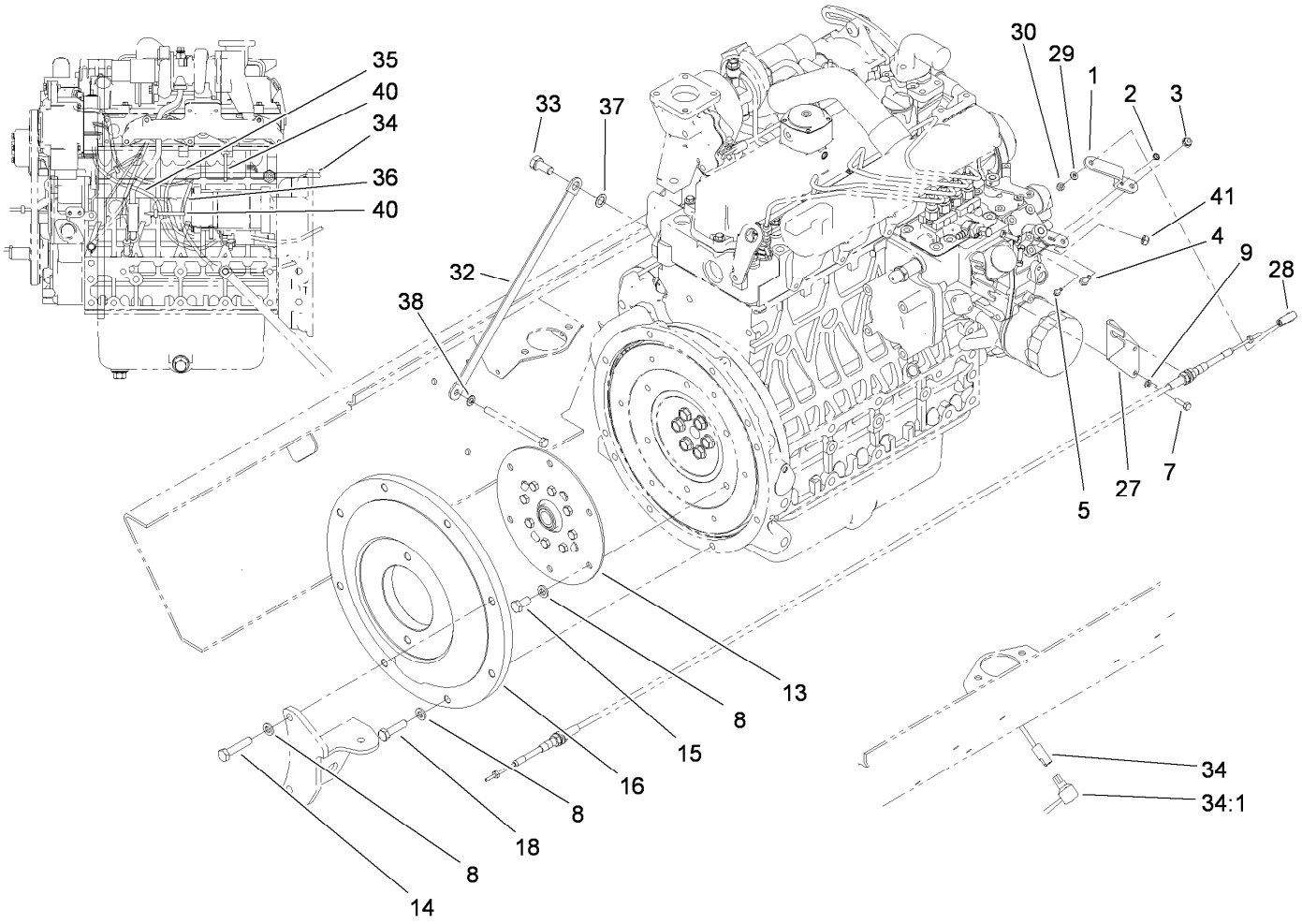
Ref.	Part Number	Qty.	Description
24	63-7400	4	Washer-Rebound
27	109-0274	2	Hose-Fuel
29	3290-378	1	Tie-Cable
30	115-3766-03	1	Mount-Engine, Rear RH
31	115-8486	4	Screw-HH
33	114-3825	1	Fan
34	117-2364	1	Hub-Fan
35	324-5	2	Screw-HH
36	3296-48	2	Nut-Lock, NI
37	114-9762	1	Motor-Fan Drive
38	115-3756	1	Hose ASM
39	340-2	1	Fitting-Straight
39:1	237-22	1	O-Ring
39:2	237-42	1	O-Ring
40	340-101	2	Fitting-HYD, 45 DEG
40:1	237-30	1	O-Ring
40:2	237-79	1	O-Ring
41	3256-25	2	Washer-Flat
42	80-6990	4	Washer-Hardened



Hydraulic Motor Assembly No. 114-9762

Ref.	*Part Number*	*Qty.*	*Description*
1	115-4110	1	Seal Kit
1:1		2	Seal-Shaft ●
1:2		2	Seal-Plate, Balancing ●
1:3		2	Seal-Anti Extrusion ●
1:4		2	O Ring-Housing ●

● Not serviced separately

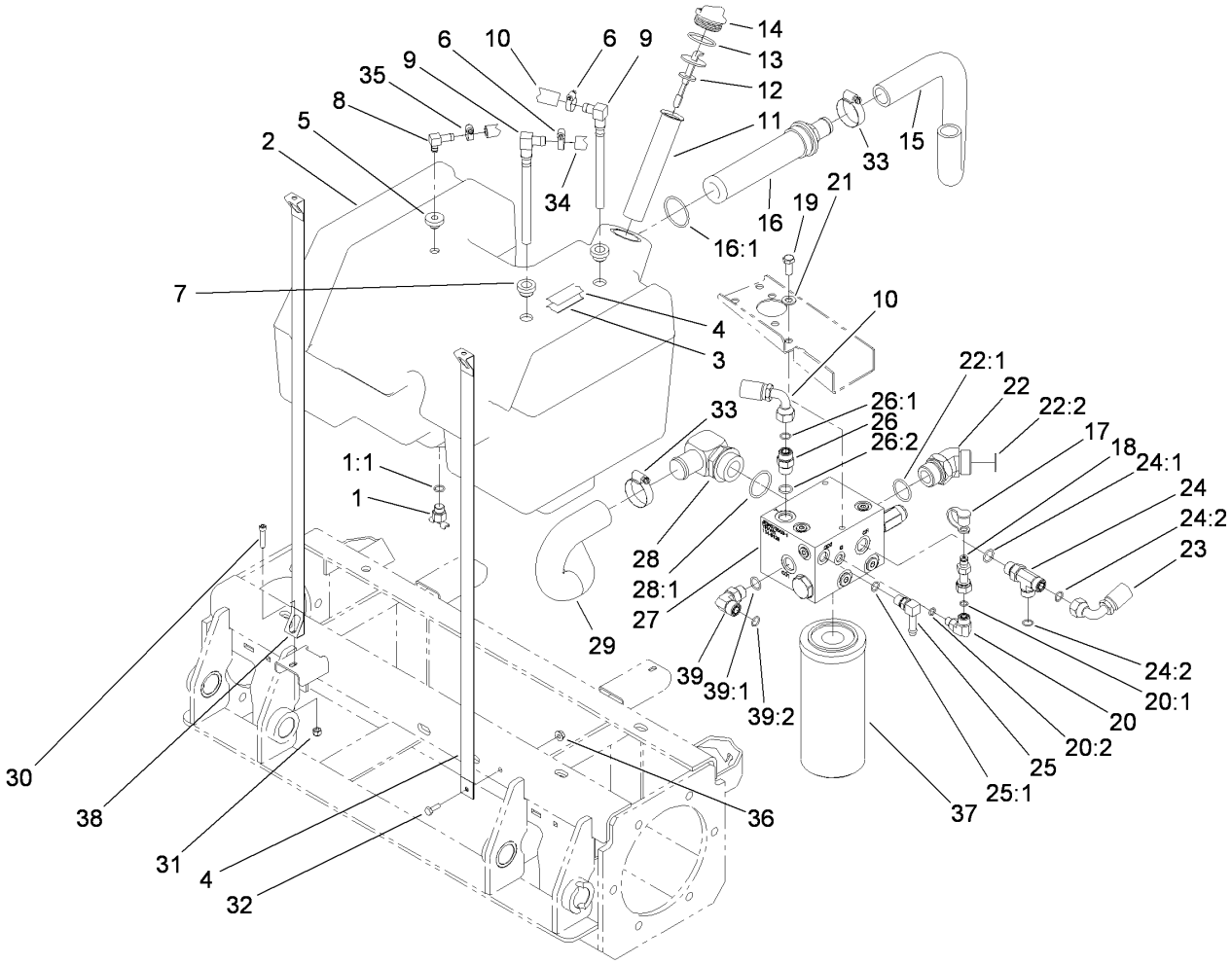


Flywheel and Throttle Assembly

Ref.	Part Number	Qty.	Description
1	114-9785	1	Lever-Throttle
2	3296-54	1	Nut-Lock
3	104-7201	1	Nut-HF
4	321-3	1	Screw-HH
5	112-3169	1	Screw-HHF, Serrated
7	33113-020	2	Screw-HH
8	107-1413	14	Washer-Hardened
9	43-5930	2	Washer-Lock, Spring
13	114-3848	1	Coupler-Spring, Flywheel
14	117-5664	4	Screw-HH
15	99-5130	6	Bolt
16	115-6657-03	1	Plate-Flywheel
18	117-5663	4	Screw-HH
27	114-9786	1	Support-Cable

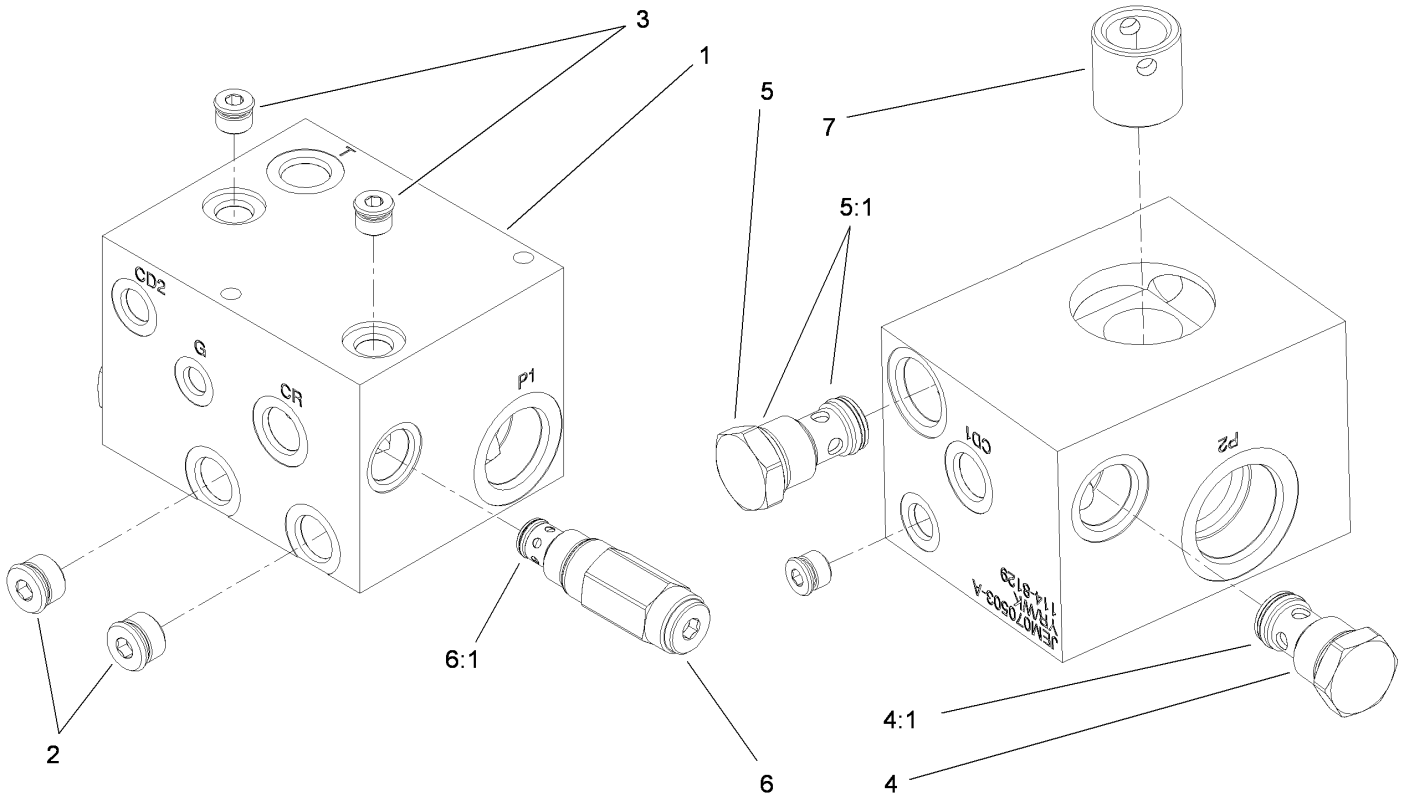
Ref.	Part Number	Qty.	Description
28	2411-38	1	Joint-Ball
29	3256-51	1	Washer-Flat
30	3296-21	1	Nut-Hex
32	18-2770	1	Cable-Ground
33	42-9250	1	Bolt
34	114-9754	1	Harness-Wire
34:1	100-4918	3	Diode
34:2	94-6710	1	Fuse-2 Amp ●
35	100-5552	1	Harness-Wire
36	99-3441	1	Harness-Wire, Fusible Link
37	3255-2	1	Washer-Lock, EXT
38	3255-8	1	Washer-Lock
40	3290-378	5	Tie-Cable
41	33023-00	1	Nut-Lock

● Not illustrated



Hydraulic Reservoir and Filter Assembly

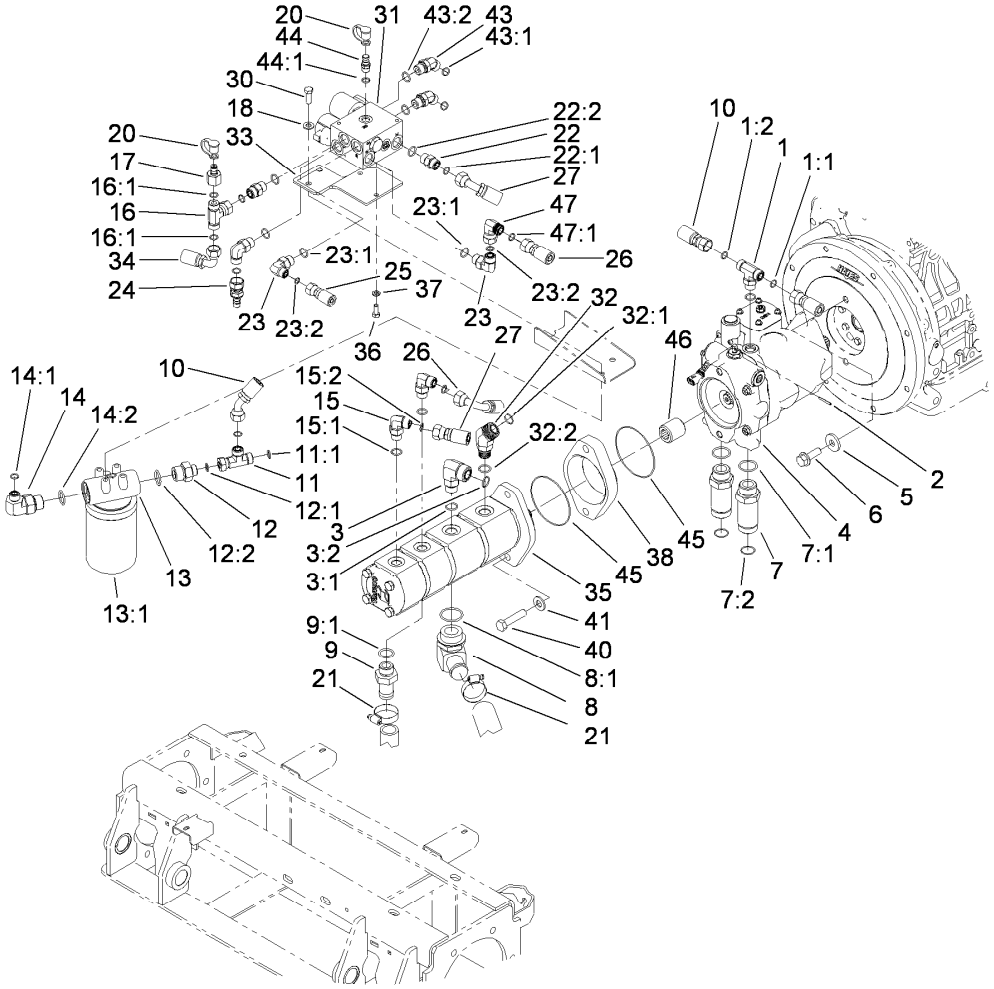
Ref.	Part Number	Qty.	Description
1	104-8334	1	Petcock
1:1	237-42	1	O-Ring
2	114-9773	1	Reservoir-HYD
3	93-5273	2	Strap-Felt
4	104-0794	1	Strap
5	46-6560	1	Bushing
6	2412-36	2	Clamp-Hose
7	104-0790	2	Bushing
8	46-6550	1	Fitting-Elbow, 90 DEG
9	104-0791	2	Pipe-Stand
10	115-8471	1	Hose ASM
11	61-2790	1	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	2	Screw-HH
20	340-97	1	Fitting-Elbow, 90 DEG
20:1	237-22	1	O-Ring
20:2	237-78	1	O-Ring
21	3256-24	2	Washer-Flat
22	104-3509	1	Fitting-HYD, 45 DEG
22:1	237-146	1	O-Ring
22:2	340-65	1	O-Ring
23	105-7927	1	Hose-HYD
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	1	Fitting-Straight
26:1	237-30	1	O-Ring
26:2	237-79	1	O-Ring
27	114-8129	1	HYD Filter Manifold ASM
28	92-7526	1	Fitting-HYD 90 Spcl
28:1	237-101	1	O-Ring
29	115-8454	1	Hose-Filter
30	3274-51	3	Screw-HSH
31	3296-42	3	Nut-Lock, NI
32	321-4	1	Screw-HH
33	2412-111	2	Clamp
34	110-6151	1	Hose
35	2412-108	1	Clamp-Worm
36	32128-33	1	Nut-HF
37	94-2621	1	Element-Filter
38	114-9783	1	Strap
39	340-98	1	Fitting-Elbow, 90 DEG
39:1	237-79	1	O-Ring
39:2	237-30	1	O-Ring



Hydraulic Manifold Assembly No. 114-8129

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold Block ●
2		2	Plug ●
3		3	Plug ●
4	110-0468	1	Valve-Check, 5 PSI
4:1	110-0470	1	Seal Kit
5	110-0467	1	Valve-Check, 40 PSI
5:1	110-0470	1	Seal Kit
6	115-4140	1	Valve-Check
6:1	105-9159	1	Seal Kit
7		1	Filter Nipple ●

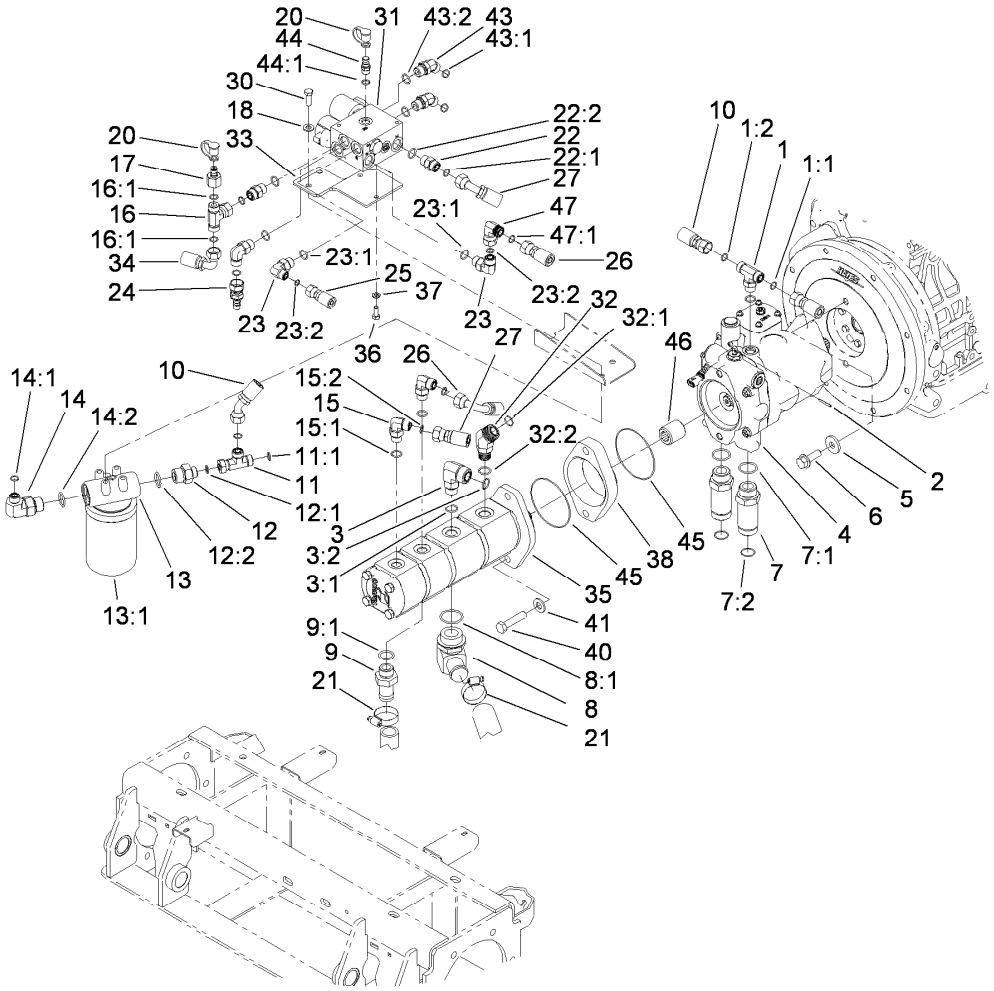
● Not serviced separately



Pump Installation and Filter Assembly

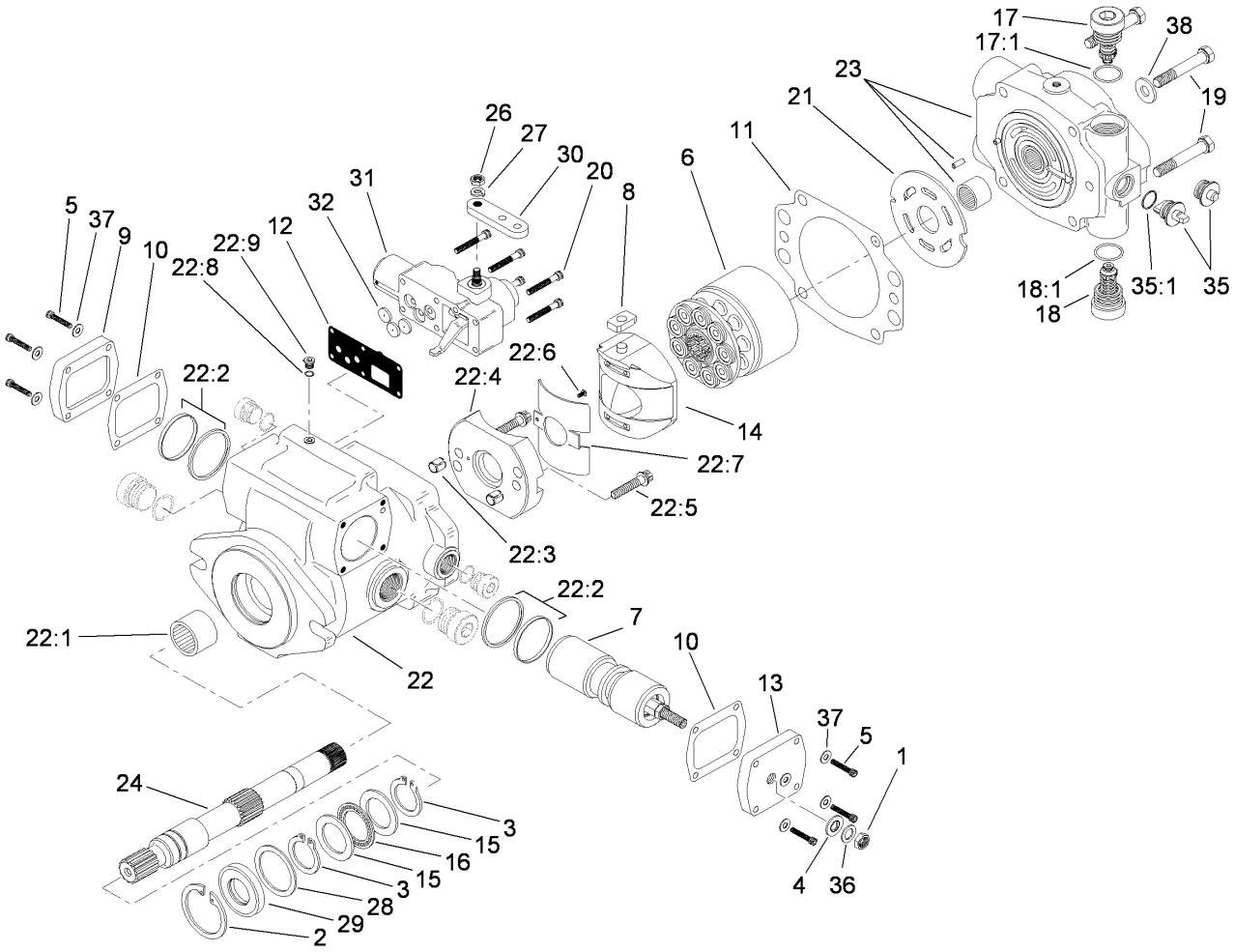
Ref.	Part Number	Qty.	Description
1	340-157	1	Fitting-HYD, Tee
1:1	237-79	1	O-Ring
1:2	237-30	2	O-Ring
2	32121-77	1	Pin-Roll
3	340-16	1	Fitting-HYD, 90 DEG
3:1	237-80	1	O-Ring
3:2	237-58	1	O-Ring
4	114-9769	1	Piston Pump ASM
5	110-6147	2	Washer-Flat
6	115-8487	2	Screw-HH
7	100-5565	2	Fitting-STR
7:1	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	99-3017	1	Fitting
9:1	237-81	1	O-Ring
10	100-5521	1	Hose ASM
11	340-104	1	Fitting-HYD, Tee
11:1	237-30	2	O-Ring
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

Ref.	Part Number	Qty.	Description
14:2	237-81	1	O-Ring
15	340-98	4	Fitting-Elbow, 90 DEG
15:1	237-79	1	O-Ring
15:2	237-30	1	O-Ring
16	93-6810	1	Fitting-Tee
16:1	237-30	2	O-Ring
17	100-5616	1	Fitting
18	3256-24	2	Washer-Flat
20	354-79	2	Cap-Dust
21	2412-111	2	Clamp
22	340-4	2	Fitting-Straight
22:1	237-30	1	O-Ring
22:2	237-79	1	O-Ring
23	340-18	1	Fitting-HYD, 90 DEG
23:1	237-79	1	O-Ring
23:2	237-22	1	O-Ring
24	114-9772	1	Hose ASM
25	69-8440	1	Hose ASM
26	105-3985	1	Hose-HYD
27	95-3737	1	HYD Hose ASM
30	323-6	2	Screw-HH
31	114-3847	1	Fan Drive Manifold ASM
32	115-3768	1	Fitting-HYD, 45 DEG
32:1	237-58	1	O-Ring
32:2	237-80	1	O-Ring
33	114-9784-03	1	Mount-Manifold
34	104-4584	1	Hose-HYD



Pump Installation and Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
35	114-9771	1	Pump ASM
36	322-3	2	Screw-HH
37	3253-4	2	Washer-Lock
38	115-3757	1	Spacer-Pump
40	115-8488	2	Screw-HH
41	87-7270	2	Washer-Thrust
43	340-101	2	Fitting-HYD, 45 DEG
43:1	237-30	1	O-Ring
43:2	237-79	1	O-Ring
44	59-7410	1	Fitting-Diagnostic
44:1	237-42	1	O-Ring
45	115-3009	2	O-Ring
46	115-3011	1	Coupler-Pump
47	94-6031	1	Fitting-HYD
47:1	237-30	1	O-Ring

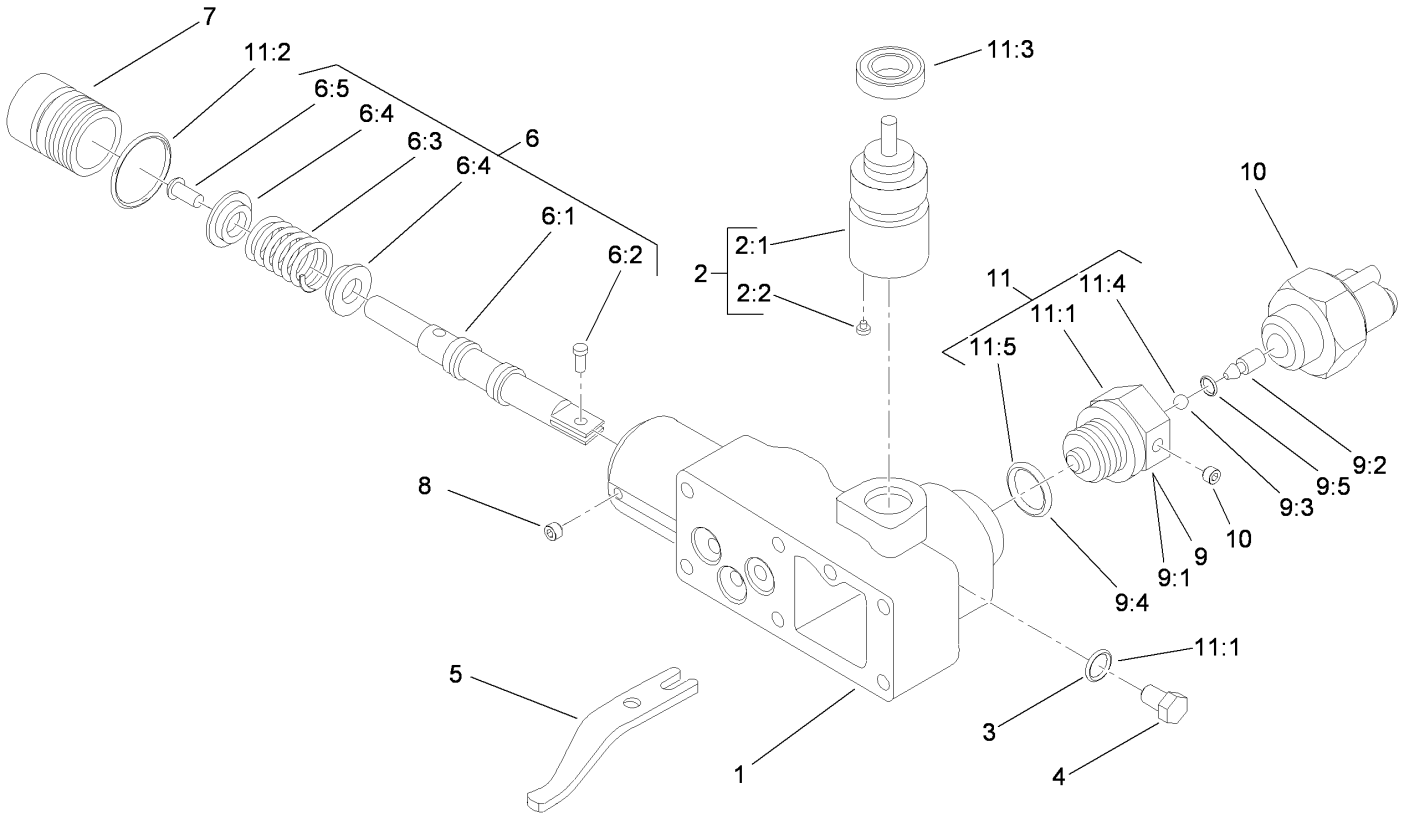


Piston Pump Assembly No. 114-9769

Ref.	Part Number	Qty.	Description
1	3220-3	1	Nut-HJ
2	60-6260	1	Ring
3	76-7000	2	Ring-Retaining
4	94-3027	1	Washer-Seal
5	93-6337	8	Screw
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	93-6339	2	Gasket
11	105-2900	1	Gasket-Housing
12	105-2901	1	Gasket-Housing, Control
13	105-9853	1	Plate-Cover
14	94-3026	1	Camplate ASM
15	76-6950	2	Race-Thrust
16	76-6960	1	Bearing-Thrust
17	105-2857	1	Valve-Relief
17:1		1	Ring-Retaining ●
18	105-2858	1	Valve-Relief
18:1		1	Ring-Retaining ●
19	323-45	4	Screw-HH
20	93-6324	6	Screw
21	99-8704	1	Plate-Valve
22	105-2859	1	Housing ASM

Ref.	Part Number	Qty.	Description
22:1		1	Bearing ●
22:2		2	Seal ●
22:3		2	Dowel-Bushing ●
22:4		1	Cradle ASM ●
22:5		2	Screw ●
22:6		1	Screw ●
22:7		1	Bushing ●
22:8		1	Ring-Retaining ●
22:9		1	Plug ●
23	115-3007	1	Endcover Sub-Assembly
24	115-3008	1	Shaft-Drive
26	93-6327	1	Nut
27	3253-3	1	Washer-Lock
28	60-6240	1	Washer
29	105-3331	1	Seal-Shaft
30	105-2862	1	Arm-Control
31	115-4446	1	Control-Servo, Manual
32	105-2863	3	Orifice
35	105-2864	1	Valve-Bypass
35:1		1	Ring-Retaining ●
36	94-3030	1	Washer
37	93-6336	8	Washer
38	105-9762	4	Washer

● Not serviced separately

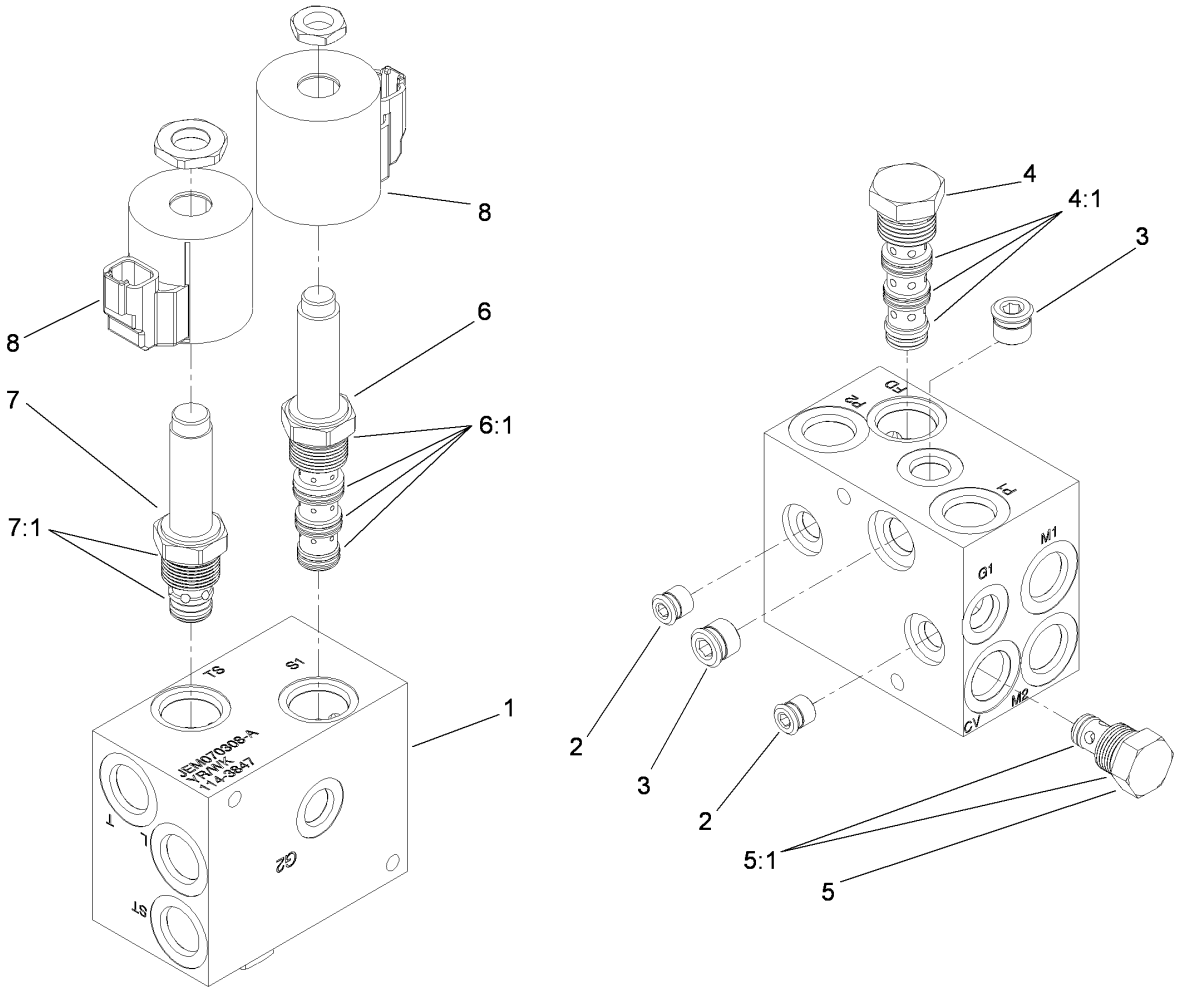


Control Assembly No. 115-4446

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	Ring-Retaining ●
4		1	Plug ●
5		1	Link-Feedback ●
6	108-7098	1	Valve Spool ASM
6:1		1	Valve-Spool ●
6:2		1	Pin-Dowel ●
6:3		1	Spring ●
6:4		2	Retainer ●
6:5		1	Screw ●
7		1	Plug ●

Ref.	Part Number	Qty.	Description
8		2	Screw-Set ●
9	108-8003	1	Adaptor ASM
9:1		1	Adaptor-Lockout, Neutral ●
9:2		1	Pin ●
9:3		1	Ball ●
9:4		1	Ring-Retaining ●
9:5		1	Ring-Retaining ●
10	115-3795	1	Switch-Neutral
11	94-3044	1	Seal Kit
11:1		1	Ring-Retaining ●
11:2		1	Ring-Retaining ●
11:3		1	Seal-Wiper ●
11:4		1	Ring-Retaining ●
11:5		1	Ring-Retaining ●

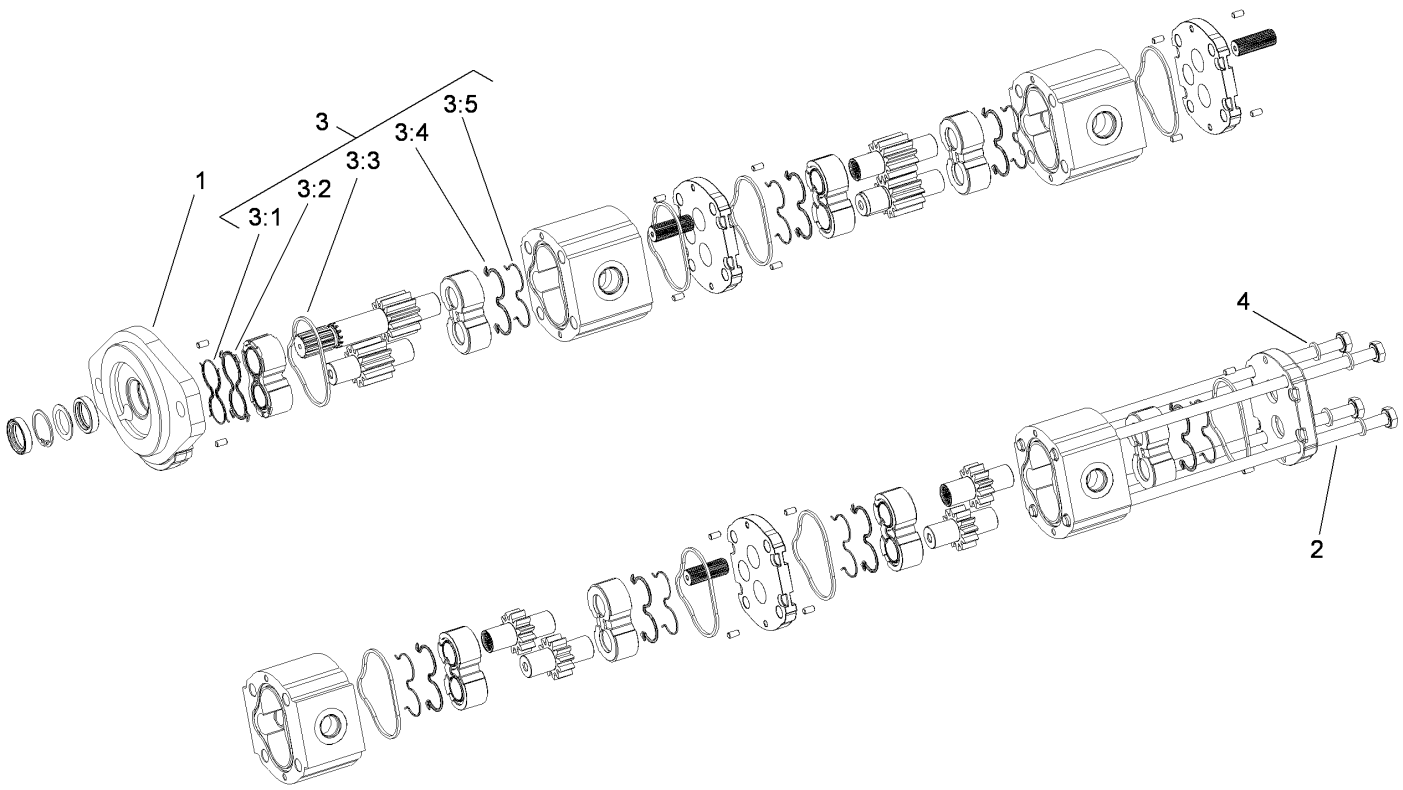
● Not serviced separately



Fan Drive Manifold Assembly No. 114-3847

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold Block ●
2		2	Plug, -4 ●
3		3	Plug, -6 ●
4	115-3024	1	Valve-Flow Divider/Combiner
4:1	115-3025	1	Seal Kit
5	105-9321	1	Check Valve ASM
5:1	105-9156	1	Seal Kit
6	115-3023	1	Solenoid Valve ASM
6:1	110-8908	1	Spool Valve Seal Kit
7	115-3022	1	Relief-Proportional
7:1	110-6316	1	Seal Kit
8	110-6344	2	Coil-12V, Dc

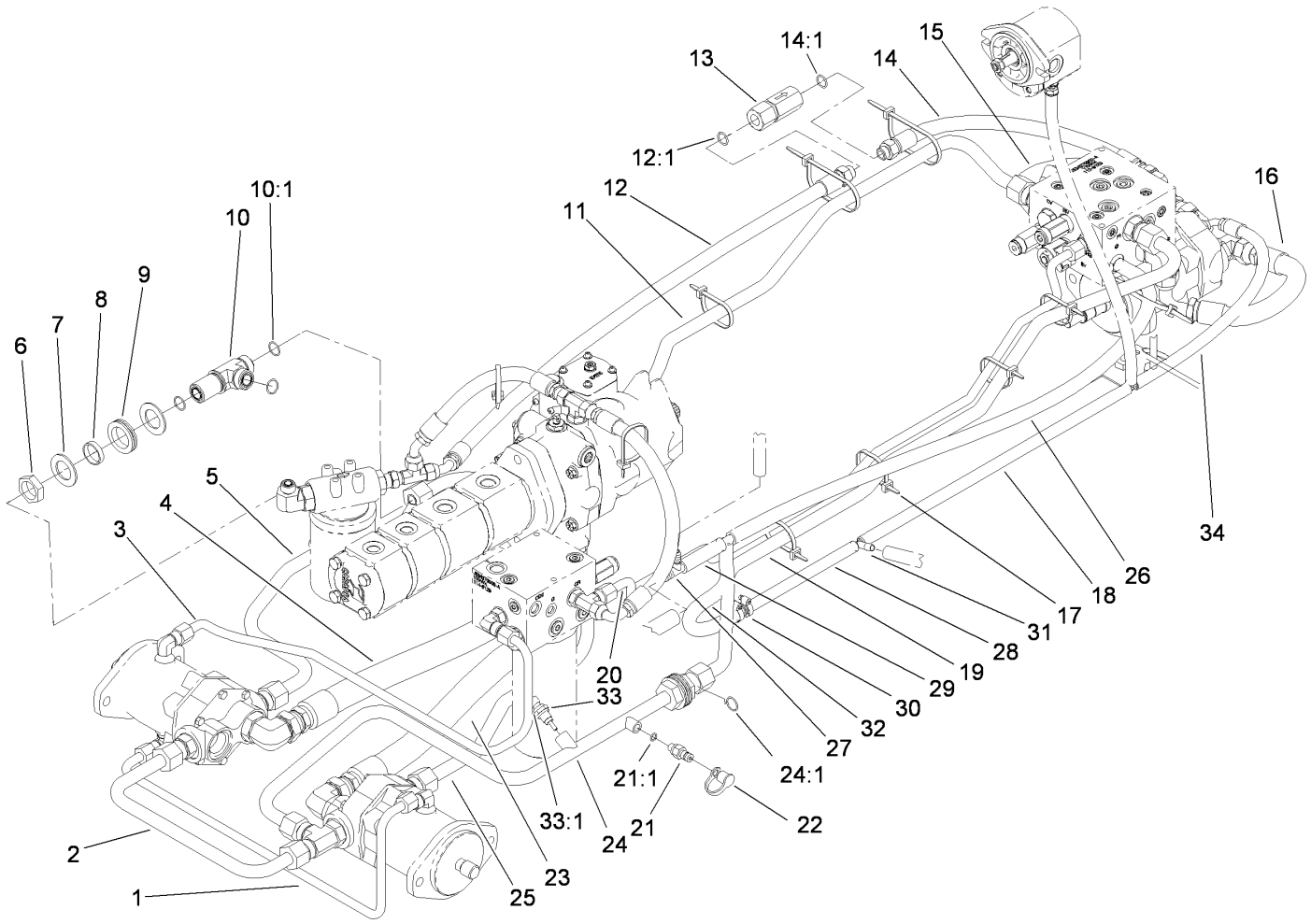
● Not serviced separately



Pump Assembly No. 114-9771

Ref.	*Part Number*	*Qty.*	*Description*
1	115-3774	1	Cover-Front
2	115-3777	4	Bolt
3	115-3776	1	Seal Kit
3:1		1	Seal ●
3:2		1	Seal ●
3:3		8	Seal ●
3:4		7	Seal ●
3:5		7	Seal ●
4	115-9138	4	Washer

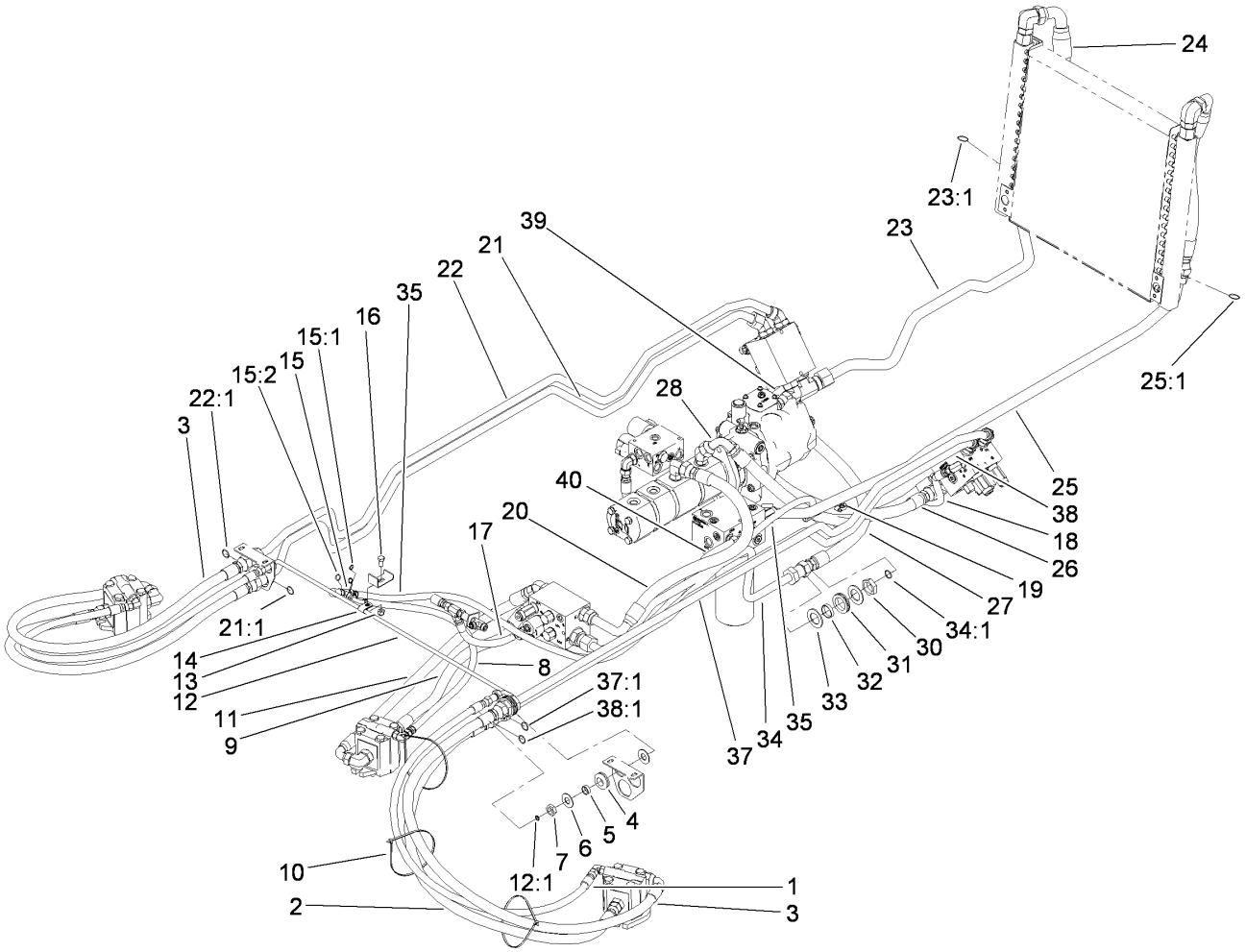
● Not serviced separately



Traction Hydraulic Plumbing Assembly

Ref.	Part Number	Qty.	Description
1	100-3095	1	Tube-HYD
2	100-5574	1	Tube-HYD, Motor Front
3	115-8451	1	Tube-HYD
4	115-8483	1	HYD 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
16	100-5579	1	Hose ASM
17	3290-378	13	Tie-Cable

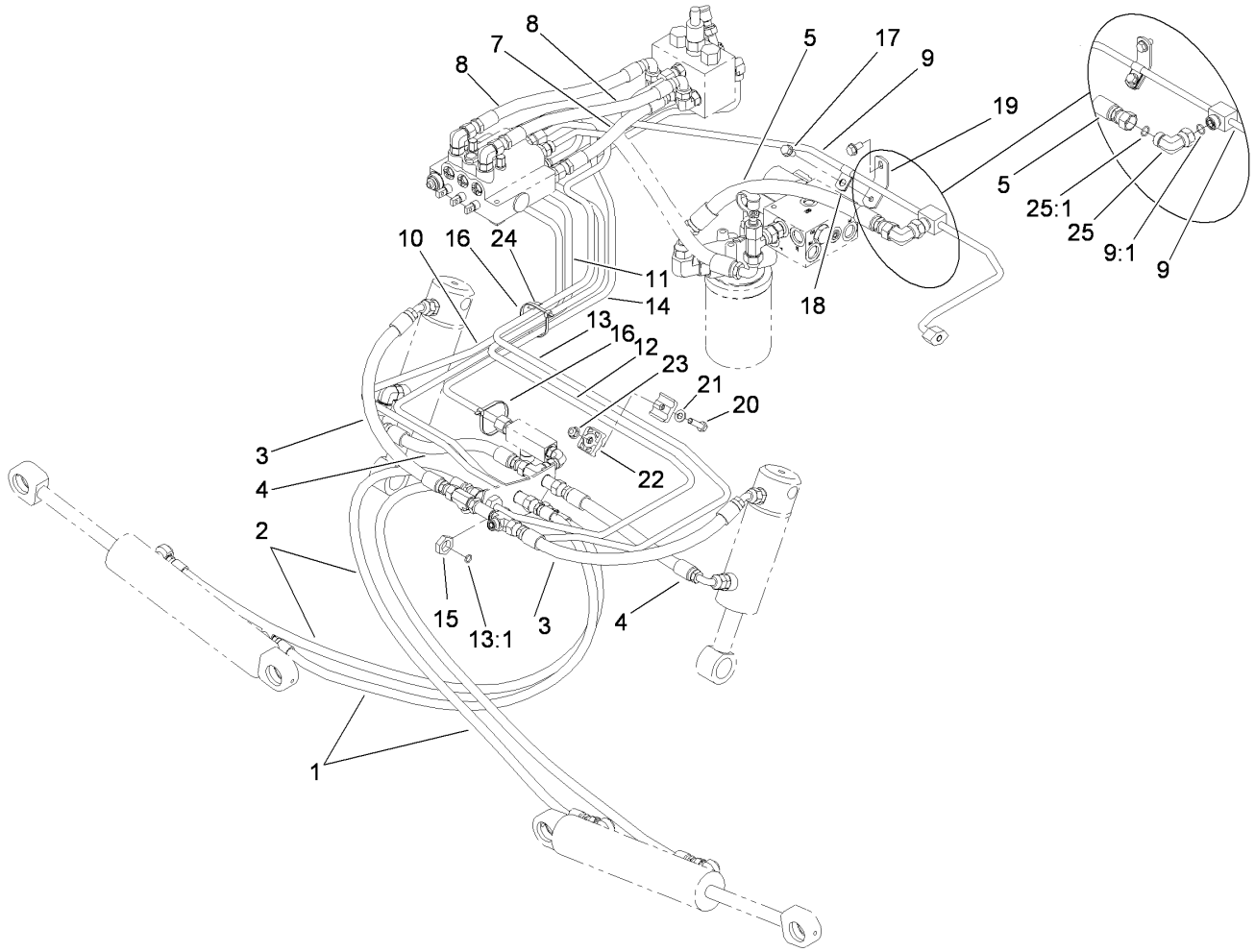
Ref.	Part Number	Qty.	Description
18	115-8466	1	Hose
19	115-3769	1	Tube-HYD, Traction LH Rear
20	115-8453	1	Tube-HYD, Charge LH
21	354-77	2	Fitting-Quick
21:1	237-78	1	O-Ring
22	354-79	2	Cap-Dust
23	115-8484	1	HYD Hose ASM
24	115-8463	1	HYD Tube ASM
24:1	237-58	1	O-Ring
25	115-8450	1	Tube-HYD, Motor LH
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
33	110-8829	1	Sender-Temperature
33:1	237-42	1	O-Ring
34	115-8465	1	Hose ASM



Power-Take-Off Hydraulic 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	115-3771	2	Hose ASM
25	115-8452	1	HYD Tube ASM
25:1	340-65	1	O-Ring
26	100-5645	1	Hose ASM
27	115-3772	1	Hose ASM
28	114-3837	1	Hose ASM
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	1	Hose ASM
40	115-8476	1	Hose ASM

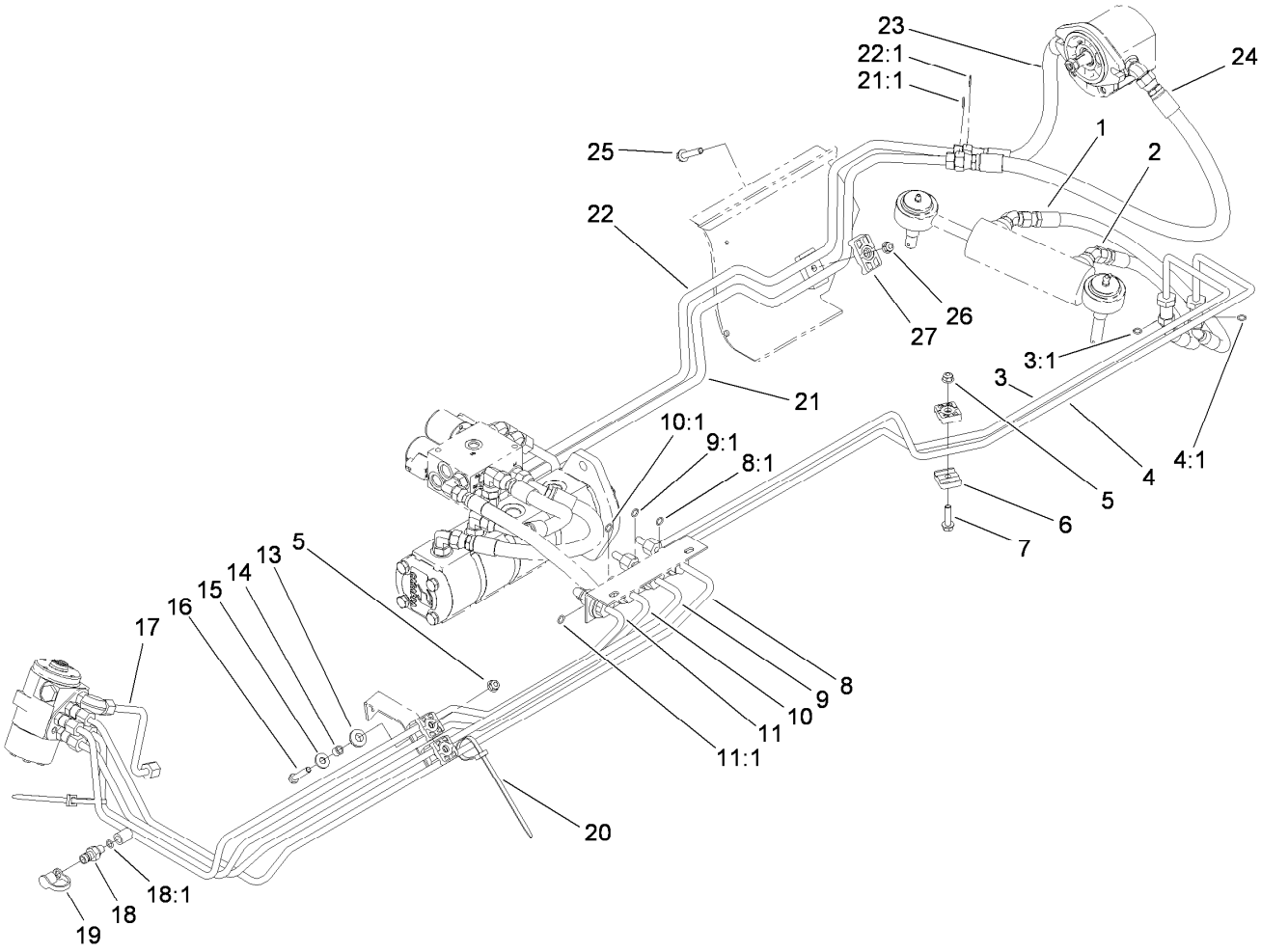


Lift Arm Hydraulic Assembly

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	114-9768	1	Hose ASM
7	100-5589	1	Hose ASM
8	104-2240	2	Hose ASM
9	100-3089	1	Tube-HYD, Charge
9:1	237-30	1	O-Ring
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	114-9777	1	Tube-HYD
12:1	237-22	1	O-Ring ●

Ref.	Part Number	Qty.	Description
13	114-9778	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
25	94-6031	1	Fitting-HYD
25:1	237-30	1	O-Ring

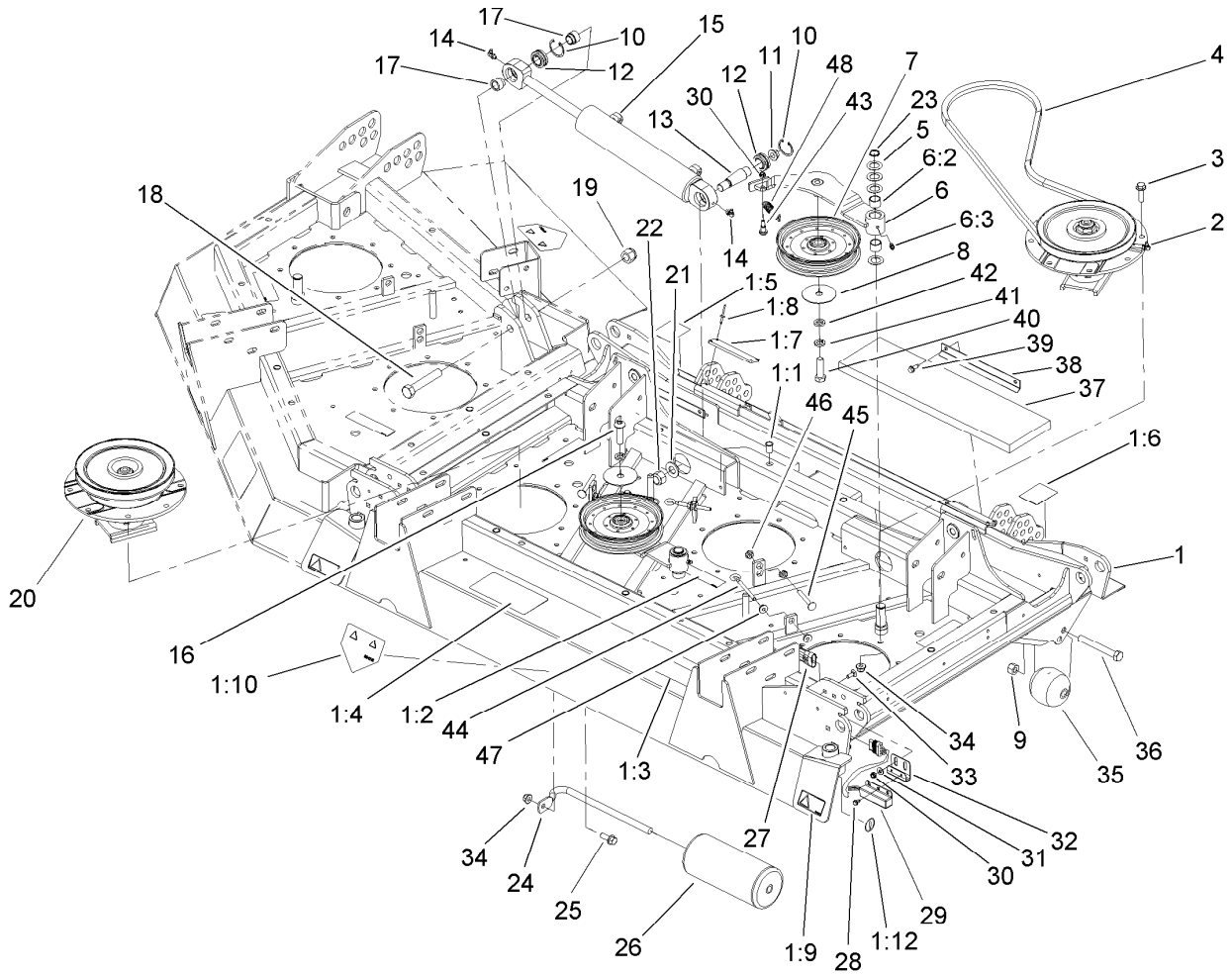
● Not illustrated



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

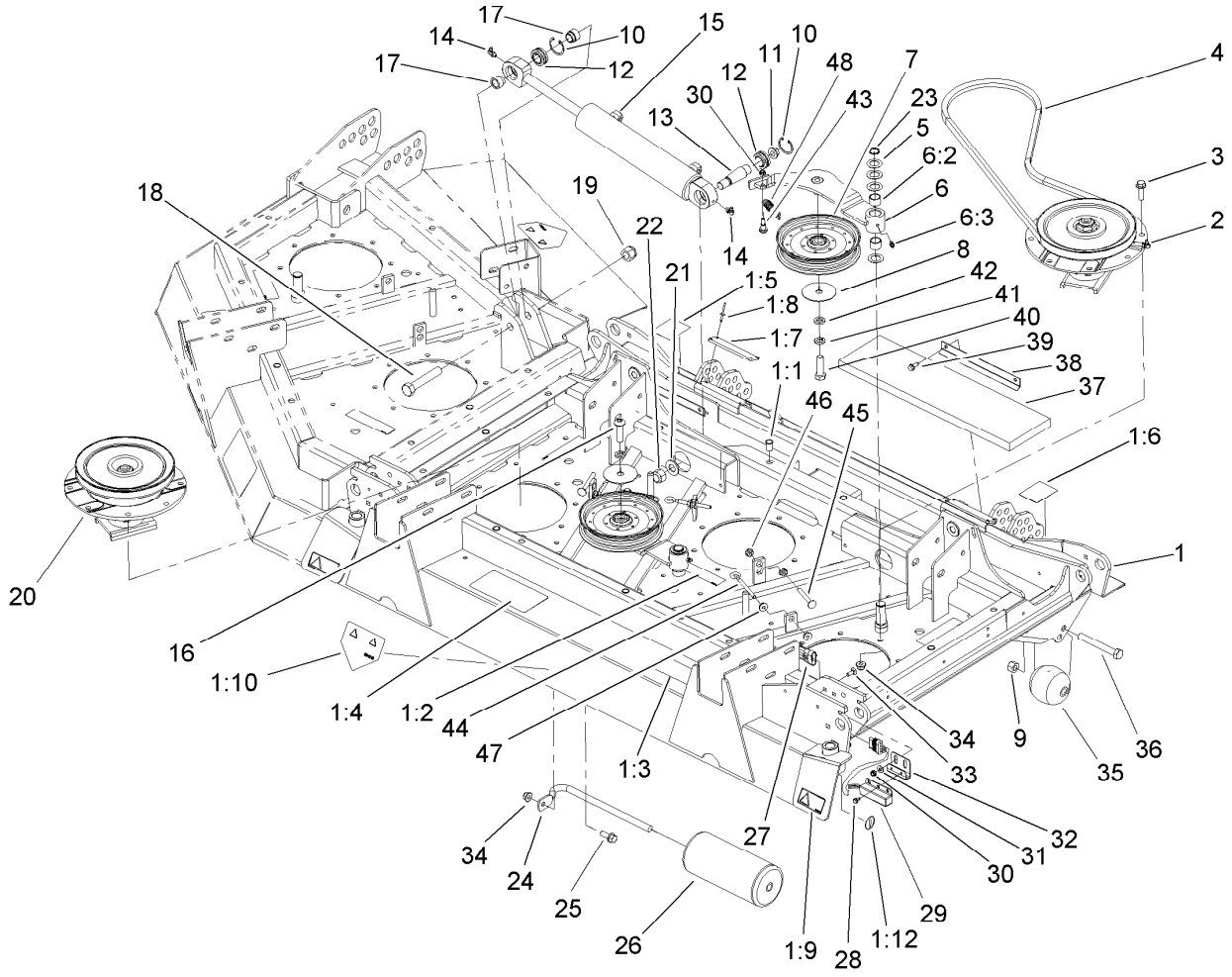
Ref.	Part Number	Qty.	Description
11:1	237-22	1	O-Ring
13	93-5108	2	Grommet-Rubber
14	93-5109	2	Spacer
15	3256-71	2	Washer-Flat
16	322-8	2	Screw-HH
17	100-5588	1	Tube-HYD (Steer And Drain)
18	354-77	1	Fitting-Quick
18:1	237-78	1	O-Ring
19	354-79	1	Cap-Dust
20	3290-378	2	Tie-Cable
21	115-8481	1	HYD Tube ASM
21:1	237-30	1	O-Ring
22	115-8482	1	HYD Tube ASM
22:1	237-30	1	O-Ring
23	117-5692	1	HYD Hose ASM
24	106-9676	1	HYD Hose ASM
25	94-5780	1	Screw-HWH
26	104-8300	1	Nut-HF, NI
27	56-7976	2	Clamp-Tube



Center Deck Assembly

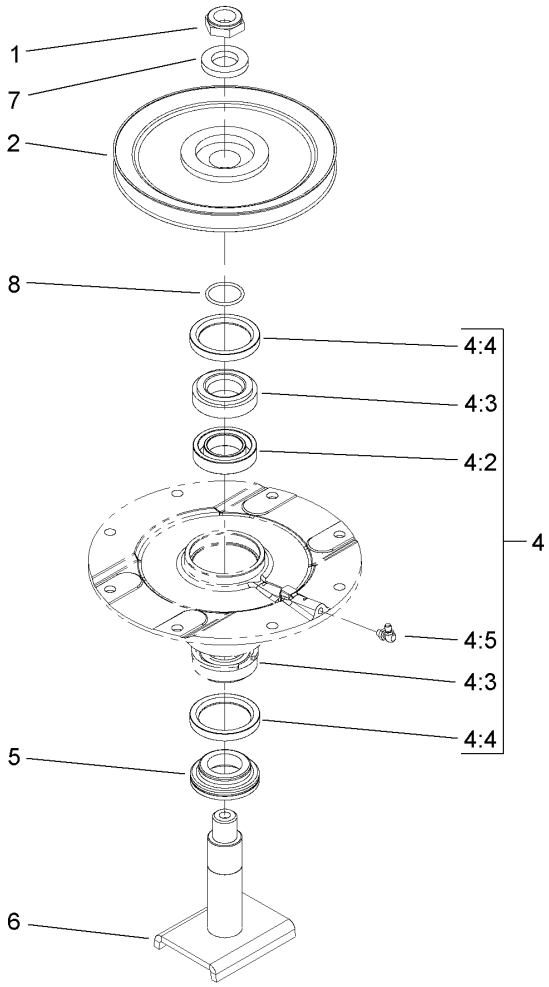
Ref.	Part Number	Qty.	Description
1	110-3297	1	Center Deck ASM
1:1	32148-9	9	Nut-Clinch
1:2	100-6578	3	Decal-Danger
1:3	93-7818	1	Decal-Torque, Blade Bolt
1:4	100-5622	1	Decal-HOC
1:5	106-4250	1	Decal-HOC, RH
1:6	106-4251	1	Decal-HOC, LH
1:7	105-0786	2	Pad-Plastic
1:8	3269-24	8	Rivet
1:9	93-6674	2	Decal-Warning
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



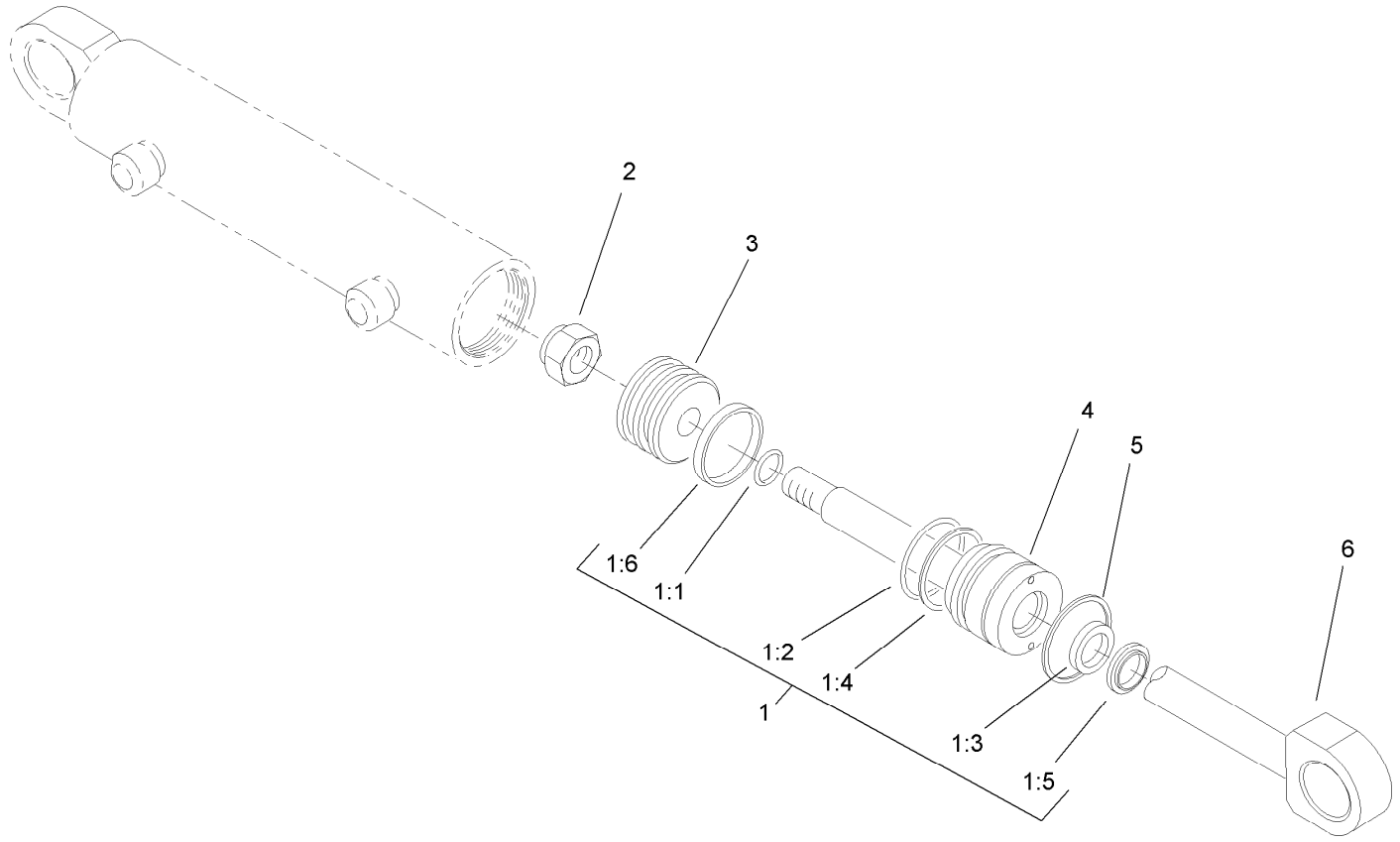
Center Deck Assembly (continued)

Ref.	Part Number	Qty.	Description
44	68-0090	4	Screw-Adjusting
45	9114524	4	Bolt-TAP, HH
46	32128-26	8	Nut-Flange
47	32128-14	8	Nut-HF
48	107938	4	Spring-Extension



Low Driven Idler Assembly No. 104-3532

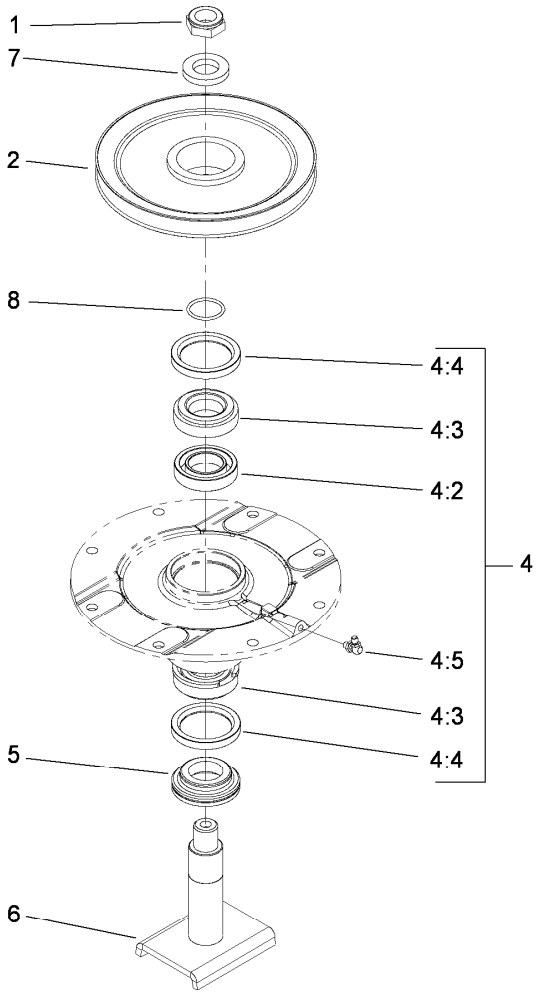
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3546	1	Pulley-Driven, Low
4	104-3552	1	Spindle Housing ASM
4:2	104-3549	1	Bearing Spacer Set
4:3	110-8297	1	Bearing ASM
4:4	253-154	2	Seal-Oil
4:5	302-60	1	Fitting-Grease
5	69-6950	1	Spacer-Shaft, Spindle
6	104-3554	1	Shaft-Spindle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



Wing Lift Cylinder Assembly No. 107-0190

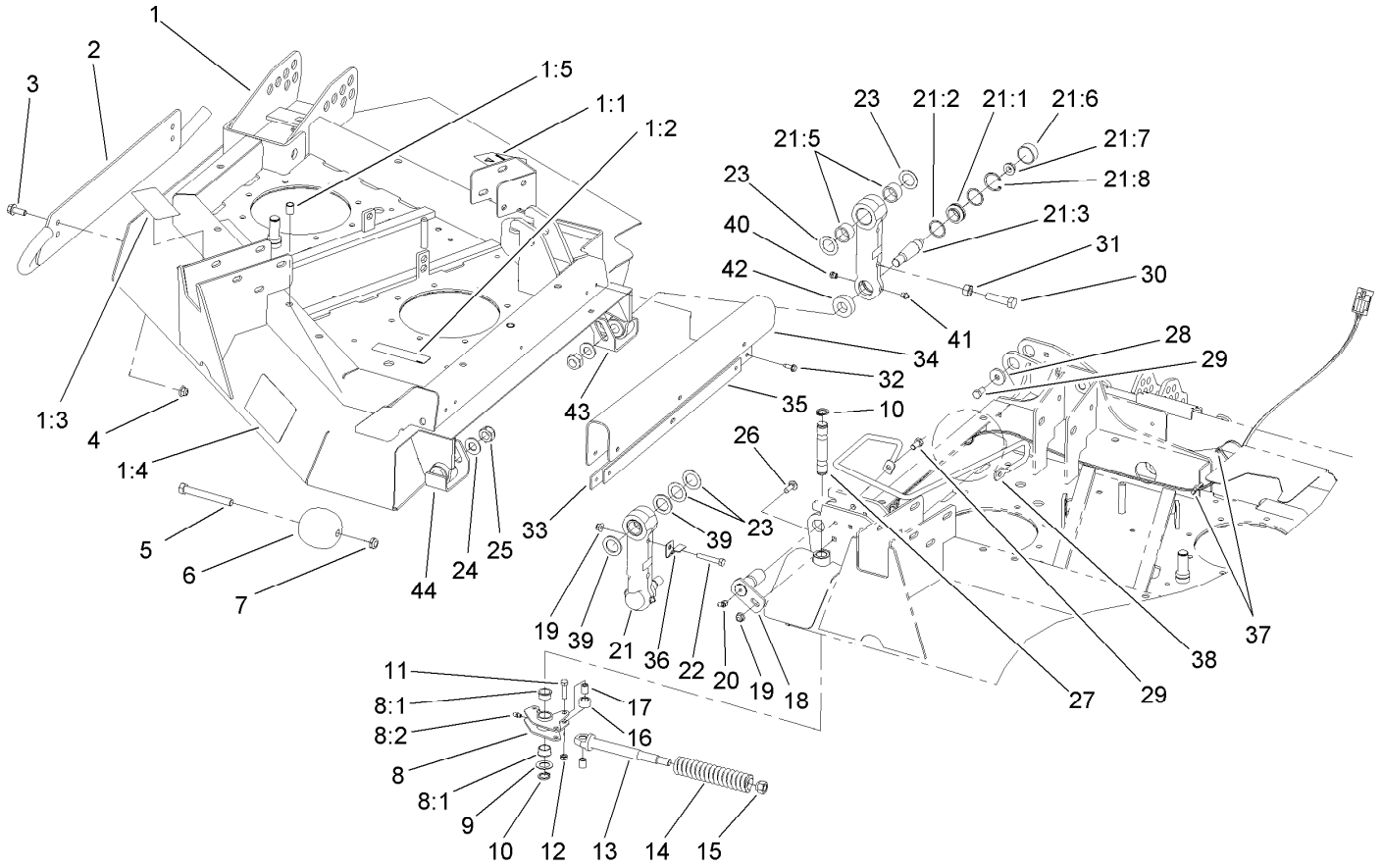
Ref.	*Part Number*	*Qty.*	*Description*
1	107-0247	1	Seal Kit
1:1		1	Ring-Retaining ●
1:2		1	Ring-Retaining ●
1:3		1	Seal ●
1:4		1	Back-Up ●
1:5		1	Wiper ●
1:6		1	Seal W/O-Ring ●
2		1	Locknut ●
3		1	Piston ●
4		1	Head ●
5		1	Ring-Retaining ●
6		1	Rod ASM ●

● Not serviced separately



High Driven Spindle Assembly No. 104-3531

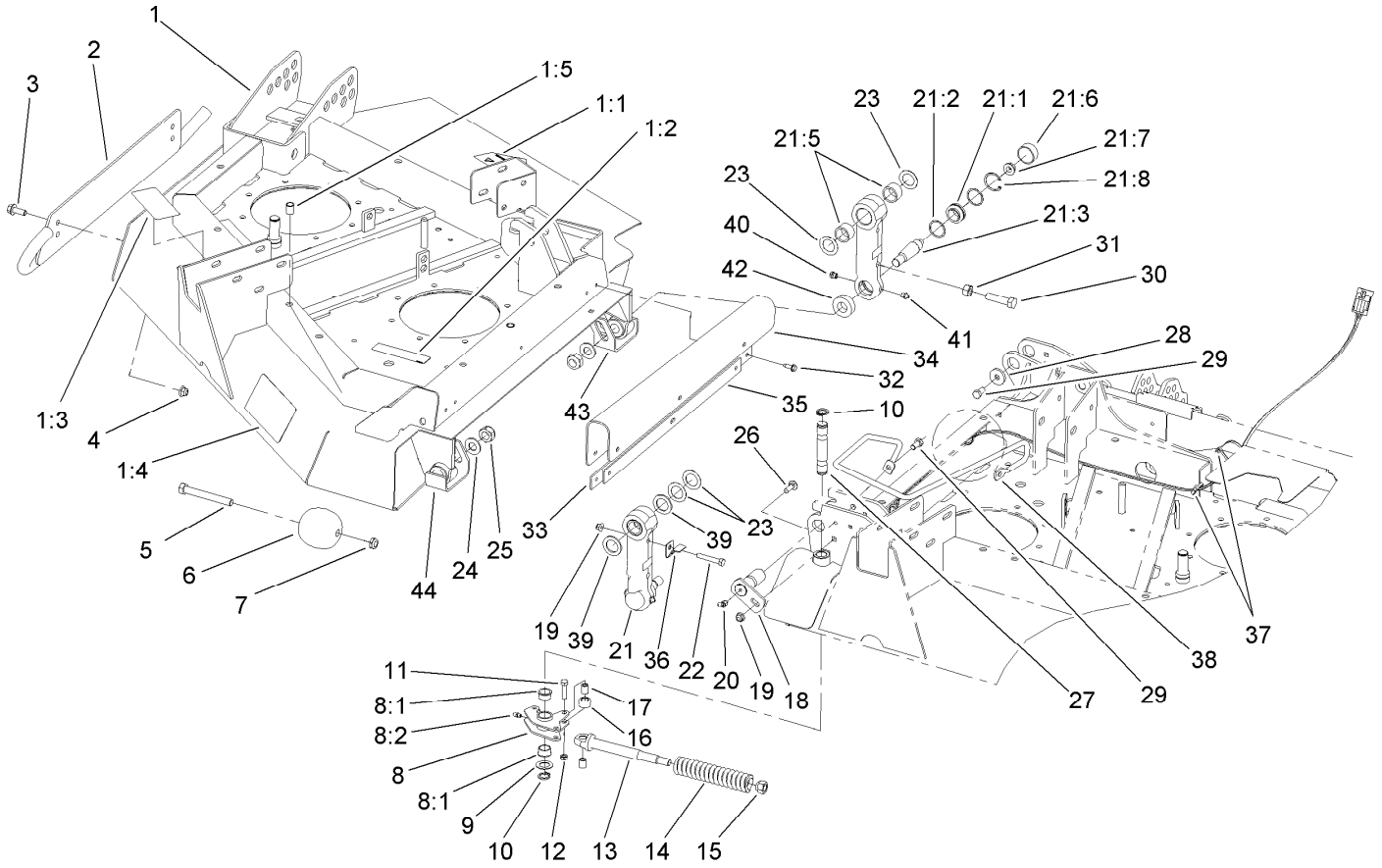
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3548	1	Pulley-Driven, High
4	104-3552	1	Spindle Housing ASM
4:2	104-3549	1	Bearing Spacer Set
4:3	110-8297	1	Bearing ASM
4:4	253-154	2	Seal-Oil
4:5	302-60	1	Fitting-Grease
5	69-6950	1	Spacer-Shaft, Spindle
6	104-3554	1	Shaft-Spindle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



Break Away Link Assembly

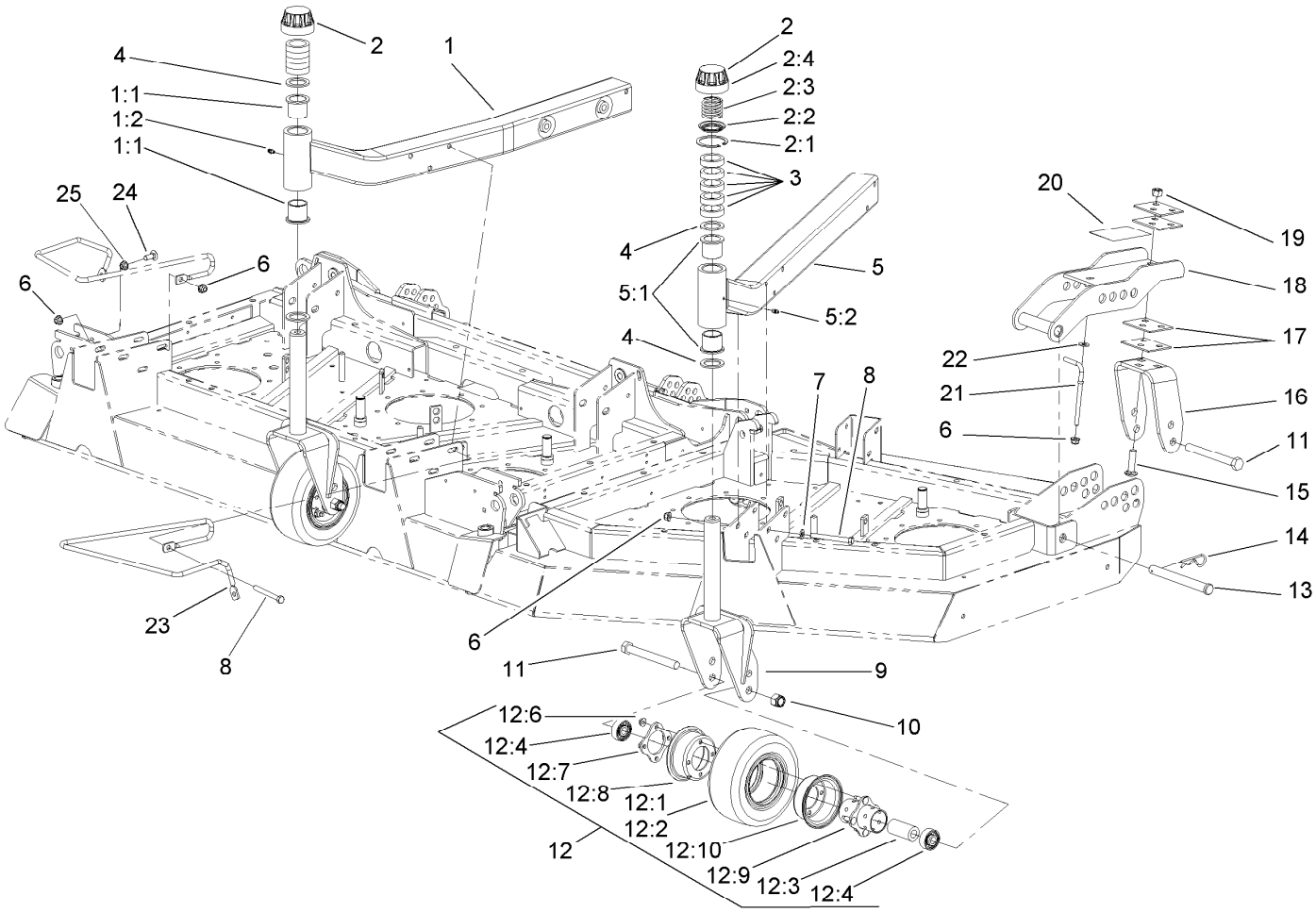
Ref.	Part Number	Qty.	Description
1	110-3299	1	LH Deck ASM
1	110-3298	1	RH Deck ASM
1:1	106-6753	1	Decal-Danger, CE
1:2	100-6578	2	Decal-Danger
1:3	93-7818	1	Decal-Torque, Blade Bolt
1:4	100-5622	1	Decal-HOC
1:5	32148-9	4	Nut-Clinch
2	105-7437-01	1	LH Skid ASM
2	105-7430-01	1	RH Skid ASM
3	3234-42	4	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)

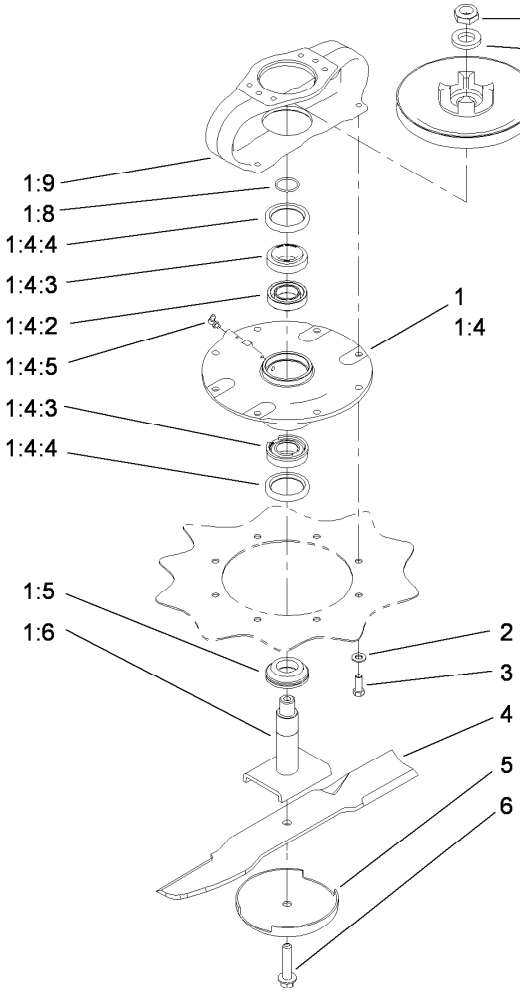
Ref.	Part Number	Qty.	Description
41	302-52	4	Fitting-Grease
42	110-6196	4	Washer-Foam
43	112-9106-01	2	Skid-Link (Left Front, Right Rear)
44	112-9105-01	2	Skid-Link (Right Front, Left Rear)



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

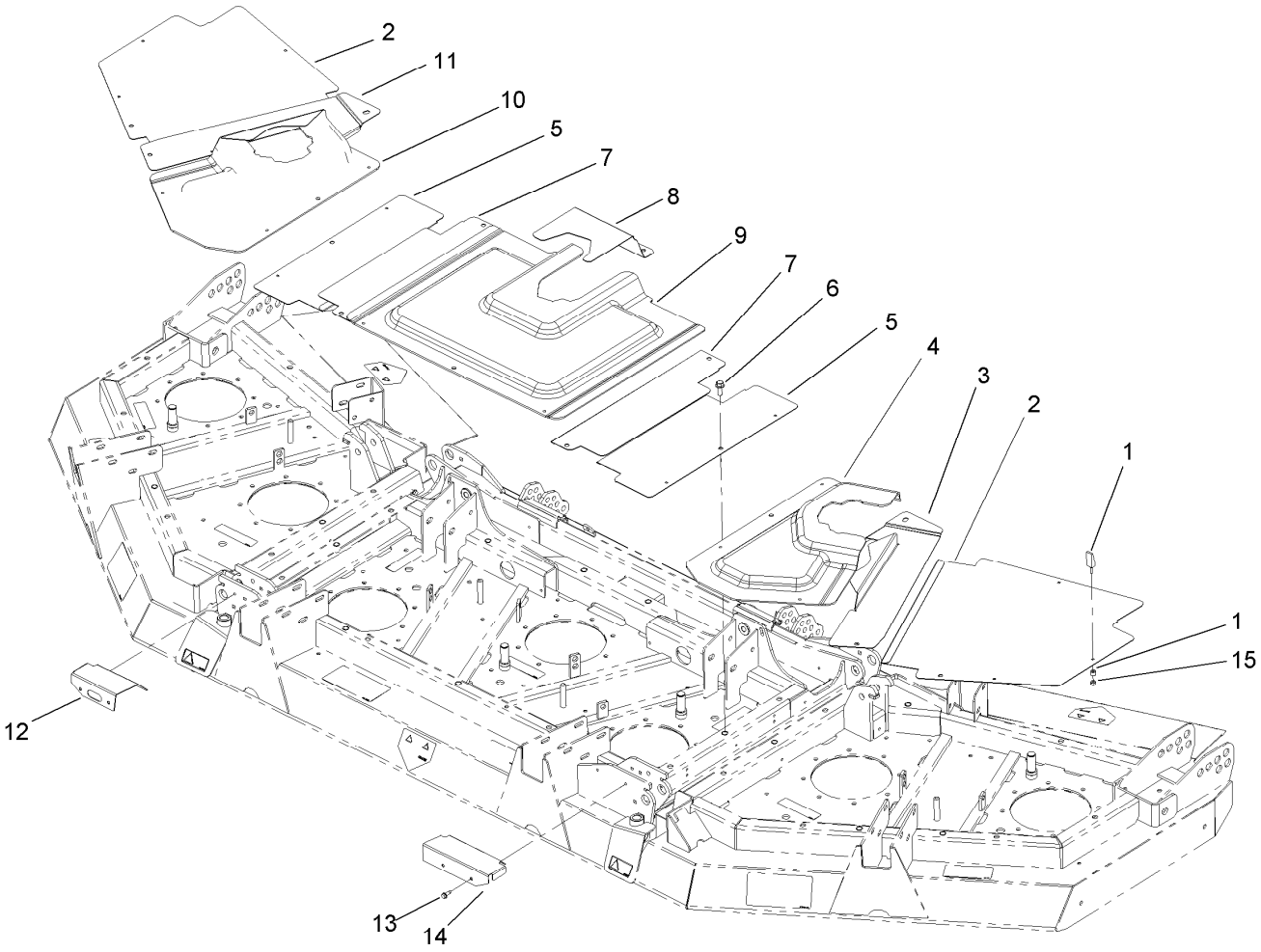


Note:
Item 1:2
104-3545 is used on Spindle 104-3529
106-4269 is used on Spindle 106-4270

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

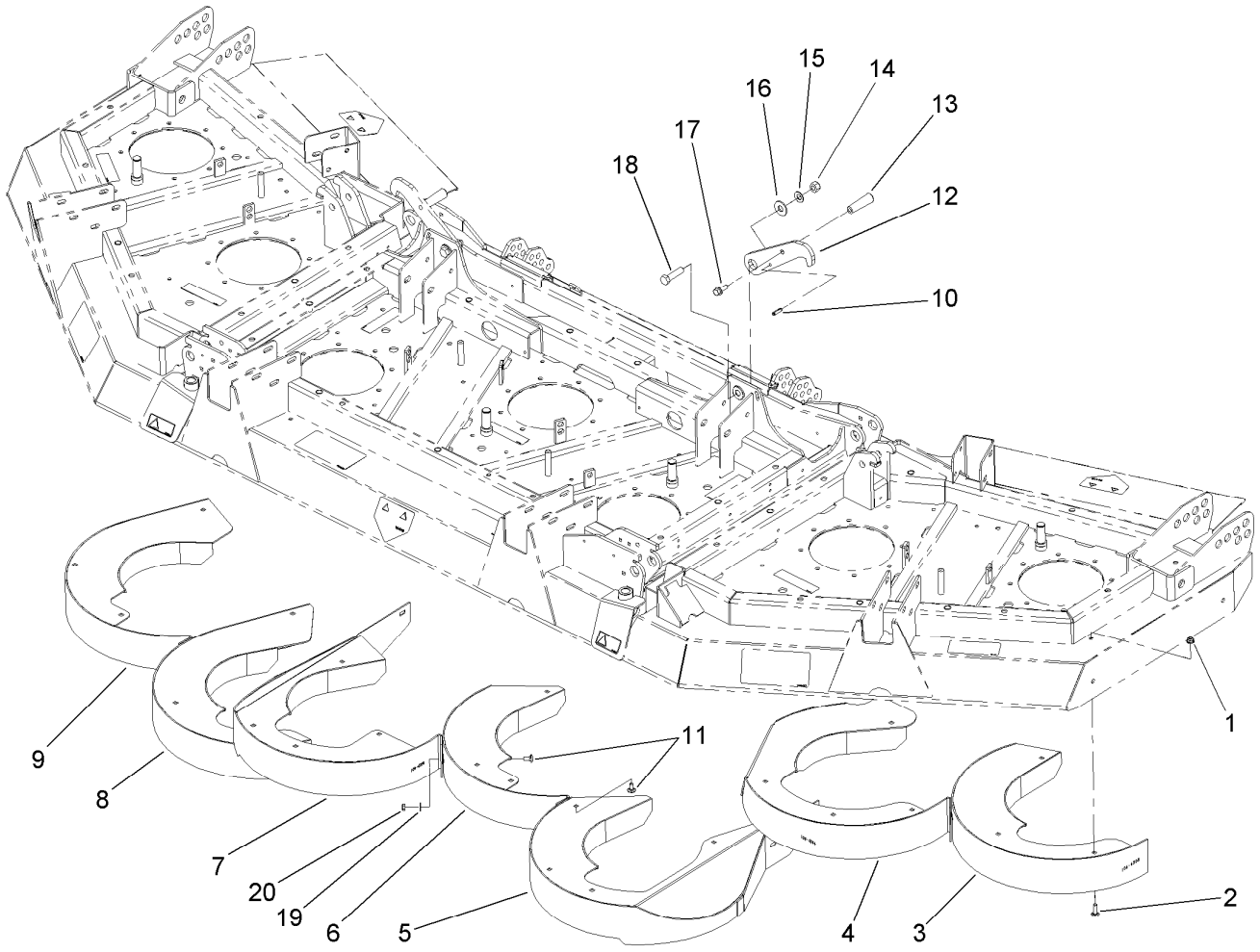
Spindle Assembly

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



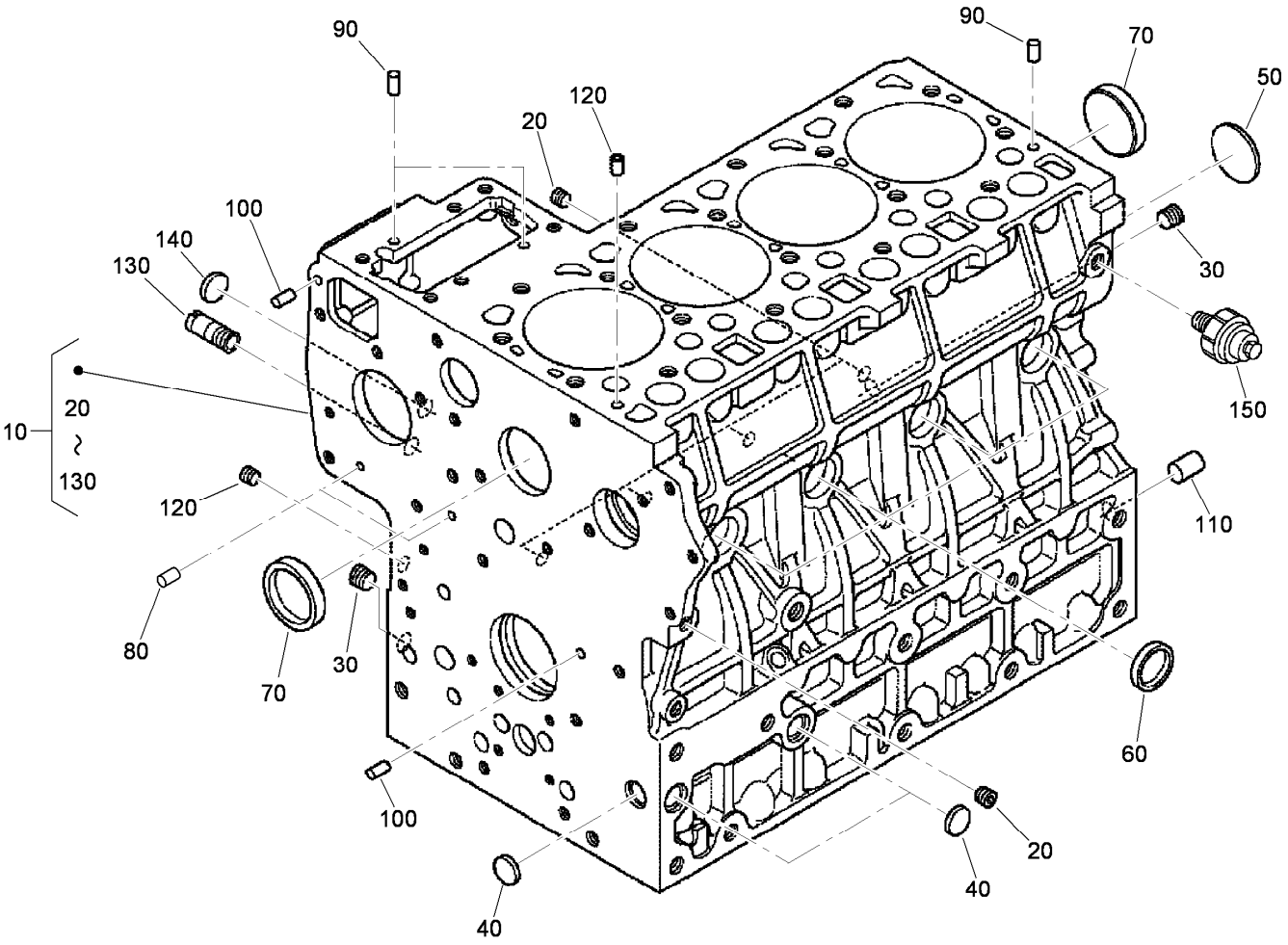
Deck Cover Assembly

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



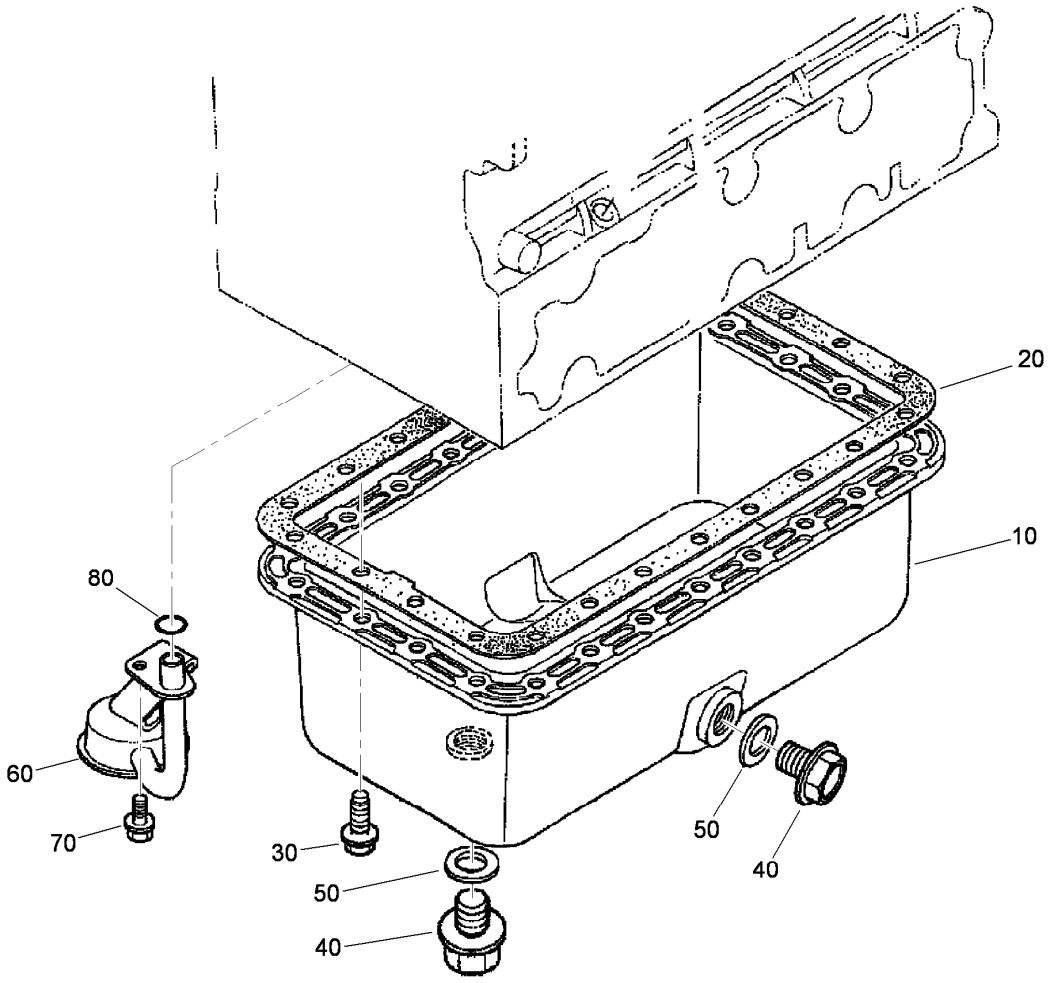
Rear Discharge Baffle Assembly

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



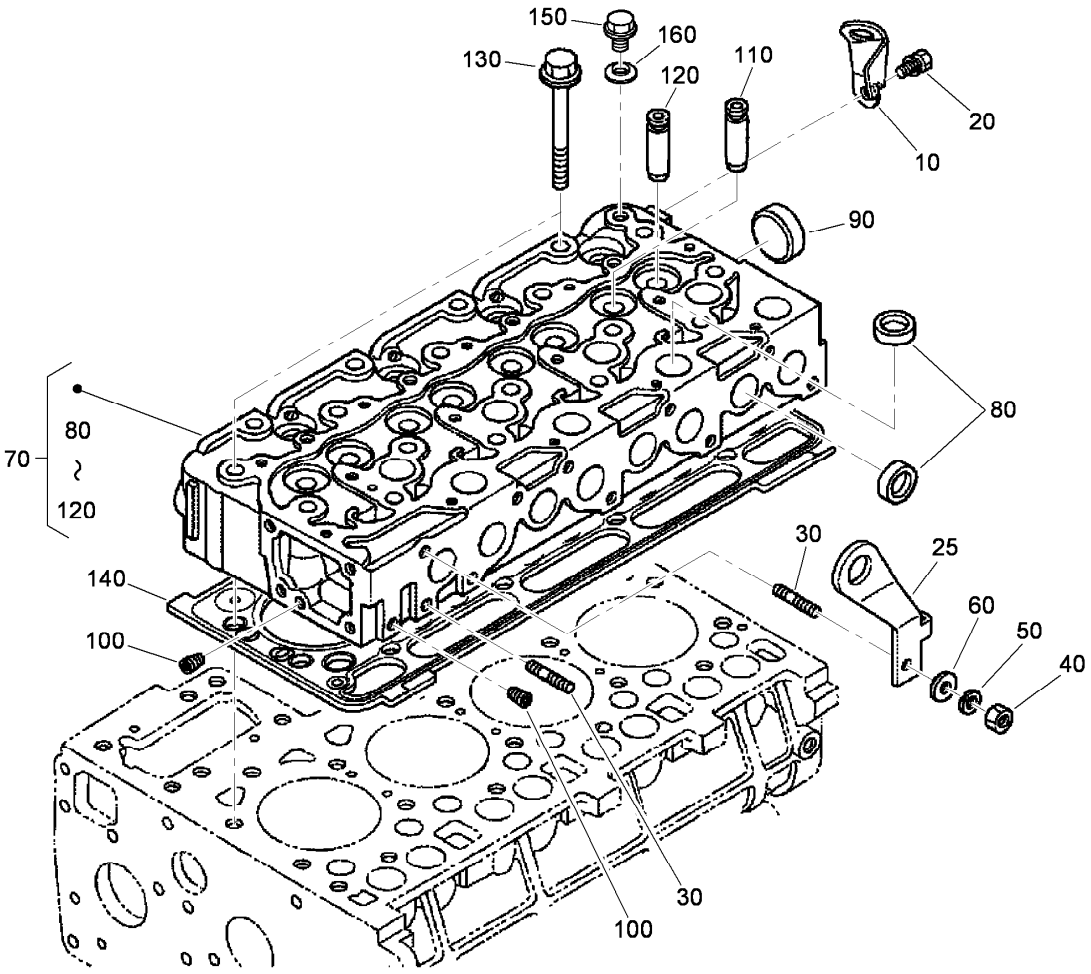
Crankcase Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8500	1	Crankcase ASM
20	98-7487	2	Plug
30	107-0107	6	Plug
40	98-9379	2	Plug-Expansion
50	98-9668	3	Plug-Expansion
60	98-7500	6	Cap-Sealing
70	98-7501	2	Cap-Sealing
80	98-7502	2	Pin-Straight
90	98-7503	2	Pin-Straight
100	98-7504	2	Pin-Straight
110	98-7505	1	Pin-Straight
120	98-7506	1	Pin-Pipe
130	100-9153	1	Pipe-Return, Water
140	100-2020	1	Cap-Sealing
150	98-9416	1	Switch-Oil



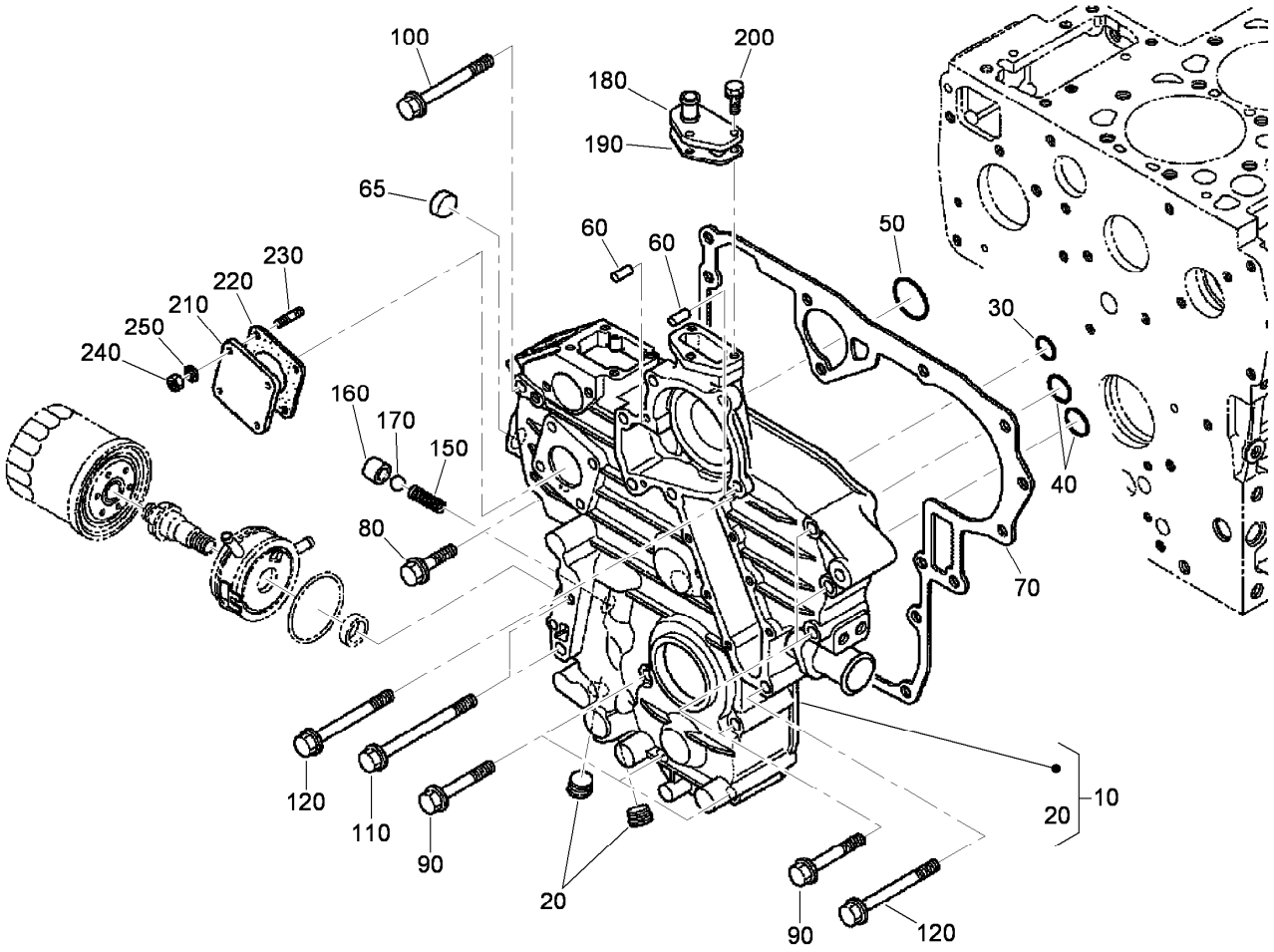
Oil Pan Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8501	1	Oil Pan ASM
20	108-7053	1	Gasket-Pan, Oil
30	115-8502	24	Bolt-Flange
40	98-9686	2	Plug-Drain
50	98-9399	2	Gasket
60	115-8503	1	Filter-Oil
70	115-8504	1	Bolt-Flange
80	108-7054	1	O-Ring



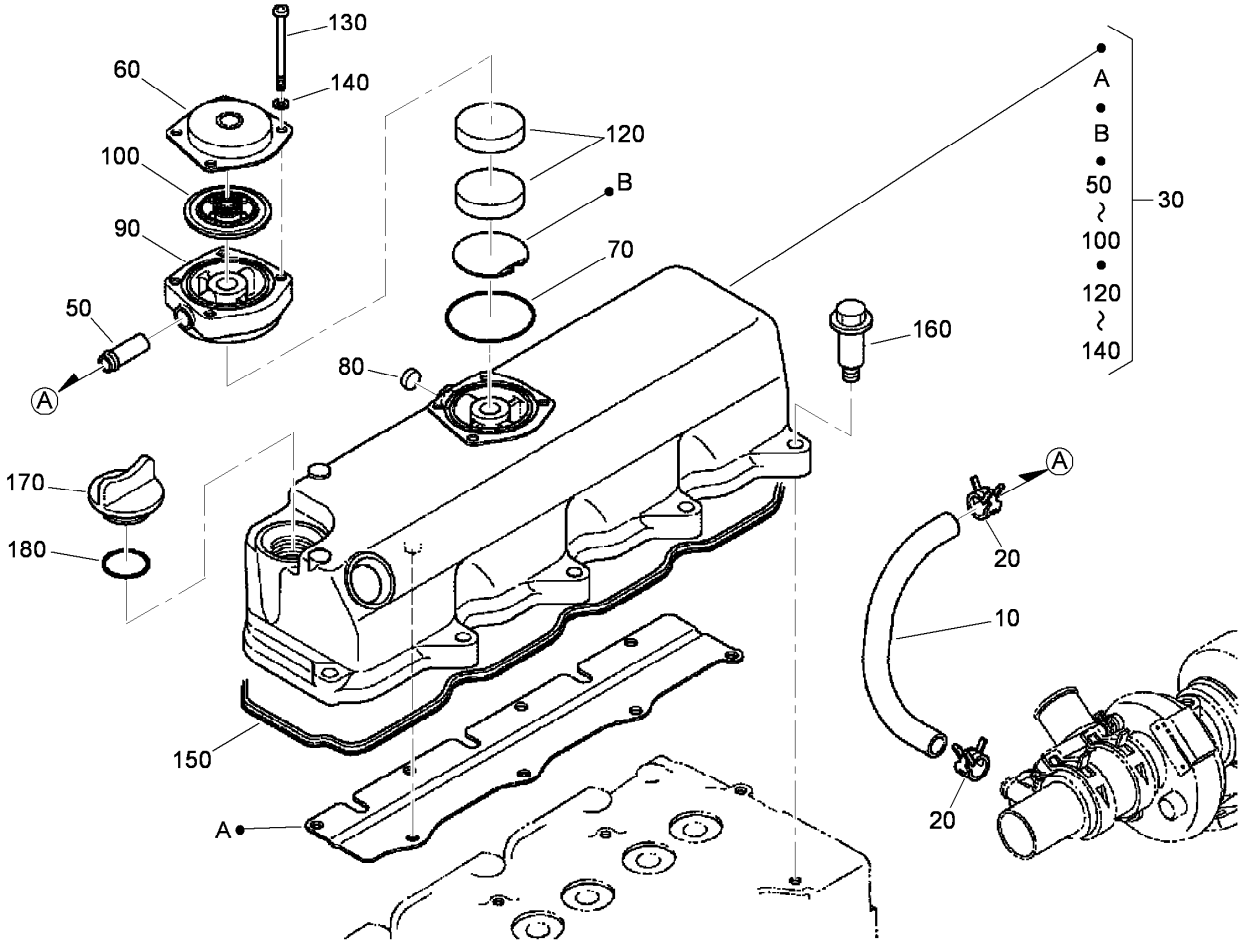
Cylinder Head Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7530	1	Hook-Engine
20	98-7526	1	Bolt
25	115-8505	1	Hook
30	115-8506	2	Stud
40	98-7534	1	Nut
50	105-2893	1	Washer-Spring
60	98-7536	1	Washer-Plain
70	115-8507	1	Head-Cylinder
80	98-7538	12	Cap-Sealing
90	98-7539	1	Cap-Sealing
100	98-7540	2	Plug
110	98-7541	4	Guide-Valve, Intake
120	115-8508	4	Guide-Valve, Exhaust
130	98-7543	18	Bolt-Head, Cylinder
140	115-8647	1	Gasket-Head, Cylinder (1.15Mm)
140	115-8510	1	Gasket-Head, Cylinder (1.25Mm)
140	115-8511	1	Gasket-Head, Cylinder (1.30Mm)
140	115-8512	1	Gasket-Head, Cylinder (1.35Mm)
150	115-8509	1	Gasket-Head, Cylinder (1.20Mm)
150	98-7762	1	Plug
160	98-7763	1	Washer-W/Rubber



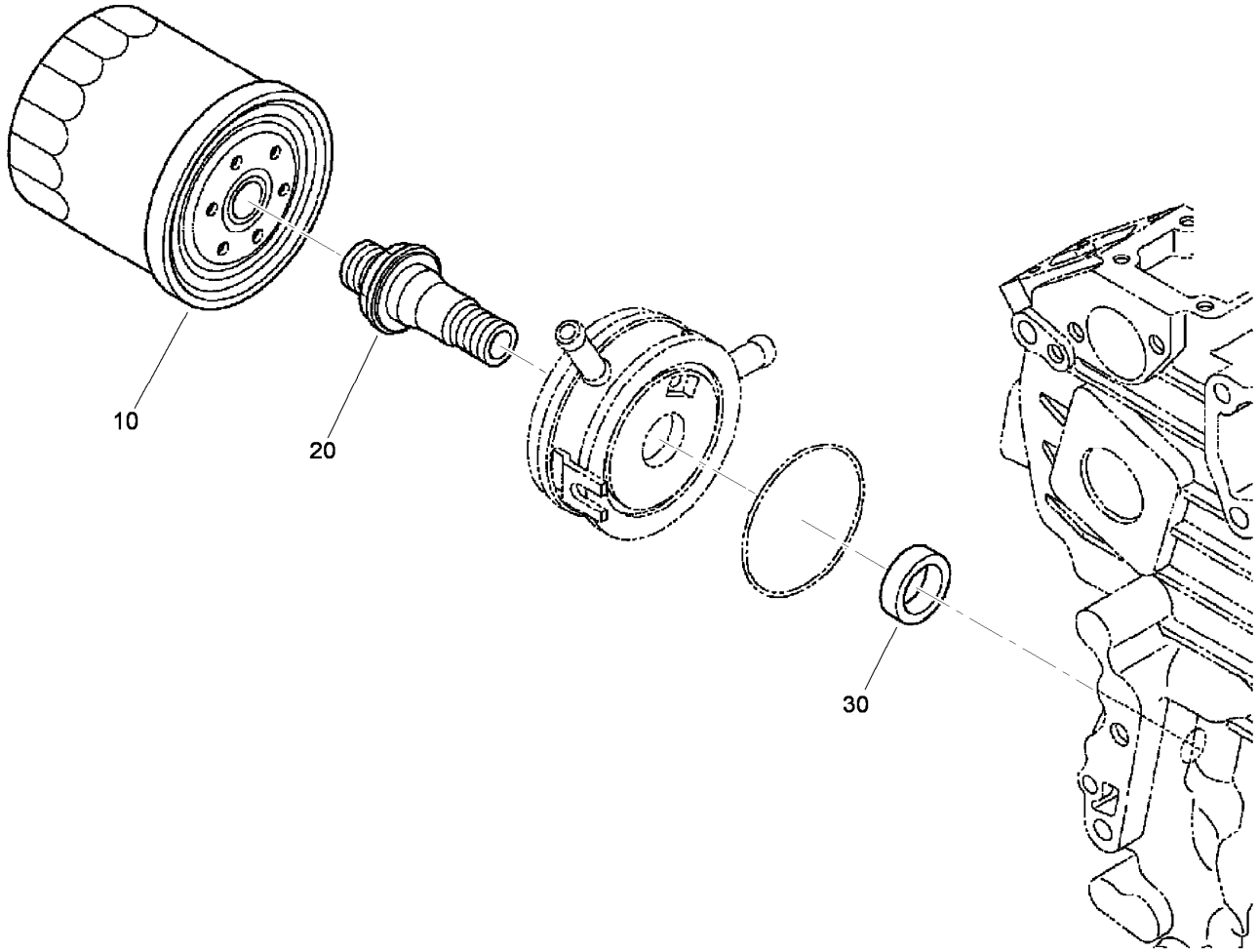
Gear Case Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8513	1	Gear Case ASM
20	98-9598	2	Plug
30	107-0104	1	O-Ring
40	115-8514	2	O-Ring
50	107-0106	1	O-Ring
60	98-7504	2	Pin-Straight
65	115-8515	1	Cap-Sealing
70	115-8516	1	Gasket-Case, Gear
80	108-7085	1	Bolt-Flange
90	115-8517	7	Bolt-Flange
100	115-8518	1	Bolt-Flange
110	115-8519	2	Bolt-Flange
120	115-8520	4	Bolt-Flange
150	98-7563	1	Spring
160	98-7564	1	Seat-Valve
170	98-7565	1	Ball
180	98-7566	1	Flange-Return, Water
190	115-8521	1	Gasket-Flange, Return
200	98-7568	3	Bolt
210	98-7569	1	Cover
220	115-8522	1	Gasket-Meter, Hour
230	98-7571	4	Stud
240	98-7572	4	Nut
250	98-9367	4	Washer-Spring



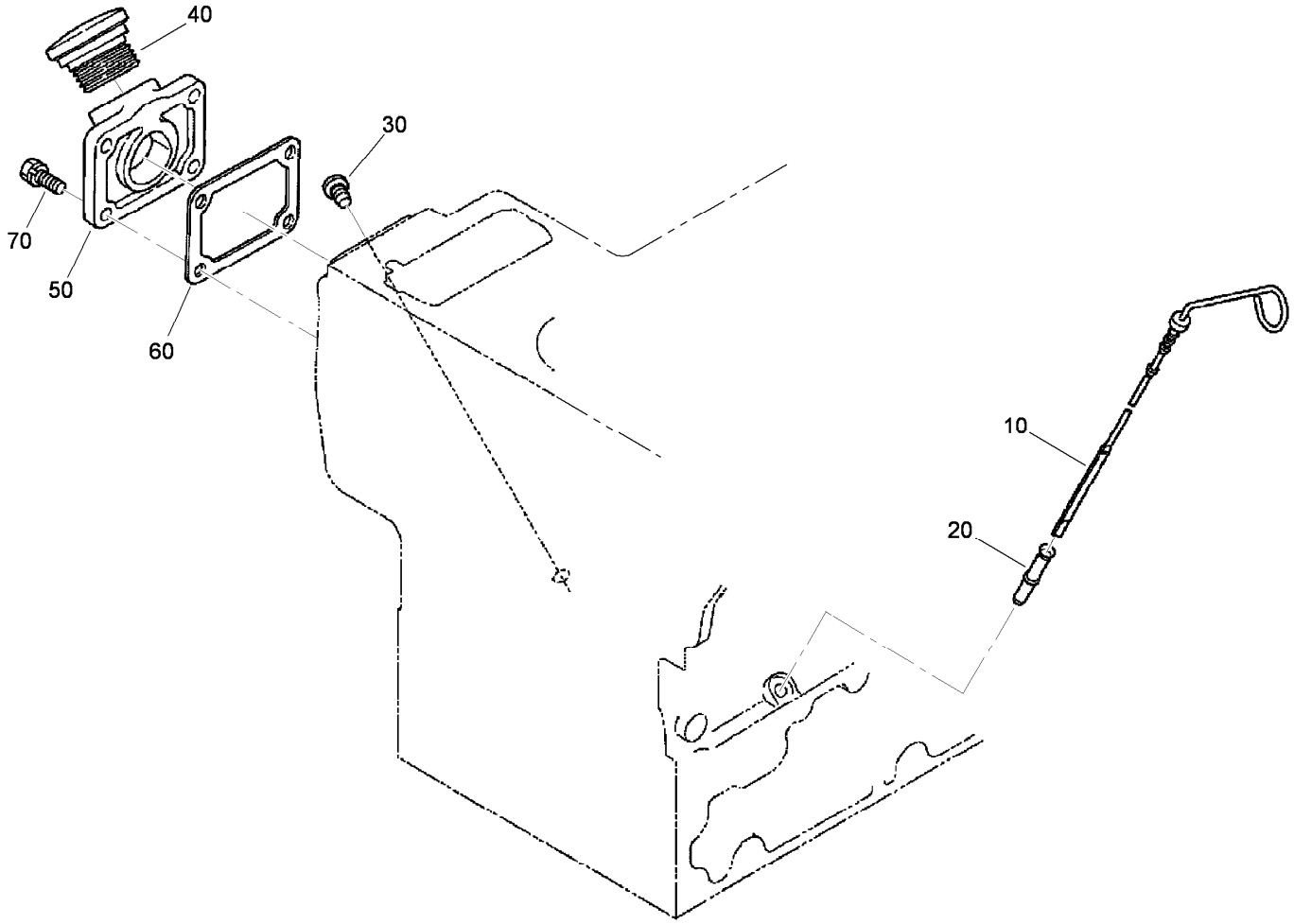
Cylinder Head Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8523	1	Tube-Breather, Turbo
20	115-8524	2	Clamp-Hose
30	115-8525	1	Cylinder Head Cover ASM
50	98-7766	1	Pipe-Return, Water
60	110-3714	1	Cover-Breather
70	108-7061	1	O Ring-Breather
80	115-3042	1	Cap-Sealing
90	115-8526	1	Spacer-Breather
100	110-3715	1	Valve-Breather
120	98-9493	2	Element-Breather
130	115-3044	4	Screw-Pan Head
140	100-2204	4	Washer-Spring
150	108-7062	1	Gasket-Cover, Head
160	108-7063	10	Bolt
170	98-9449	1	Plug-Filler, Oil
180	108-7064	1	O-Ring



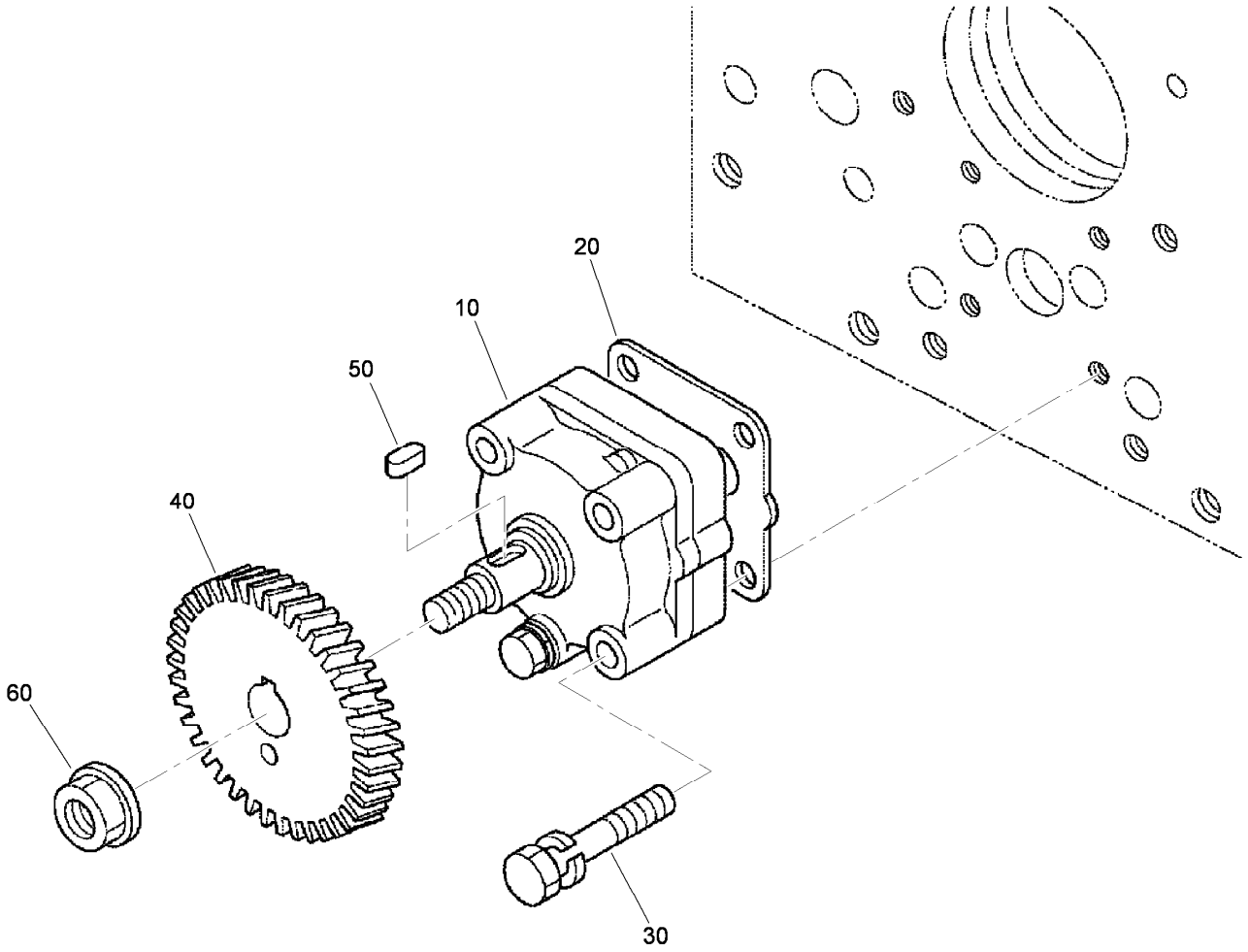
Oil Filter Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8527	1	Cartridge-Filter, Oil
20	115-8528	1	Connector
30	115-8529	1	Collar



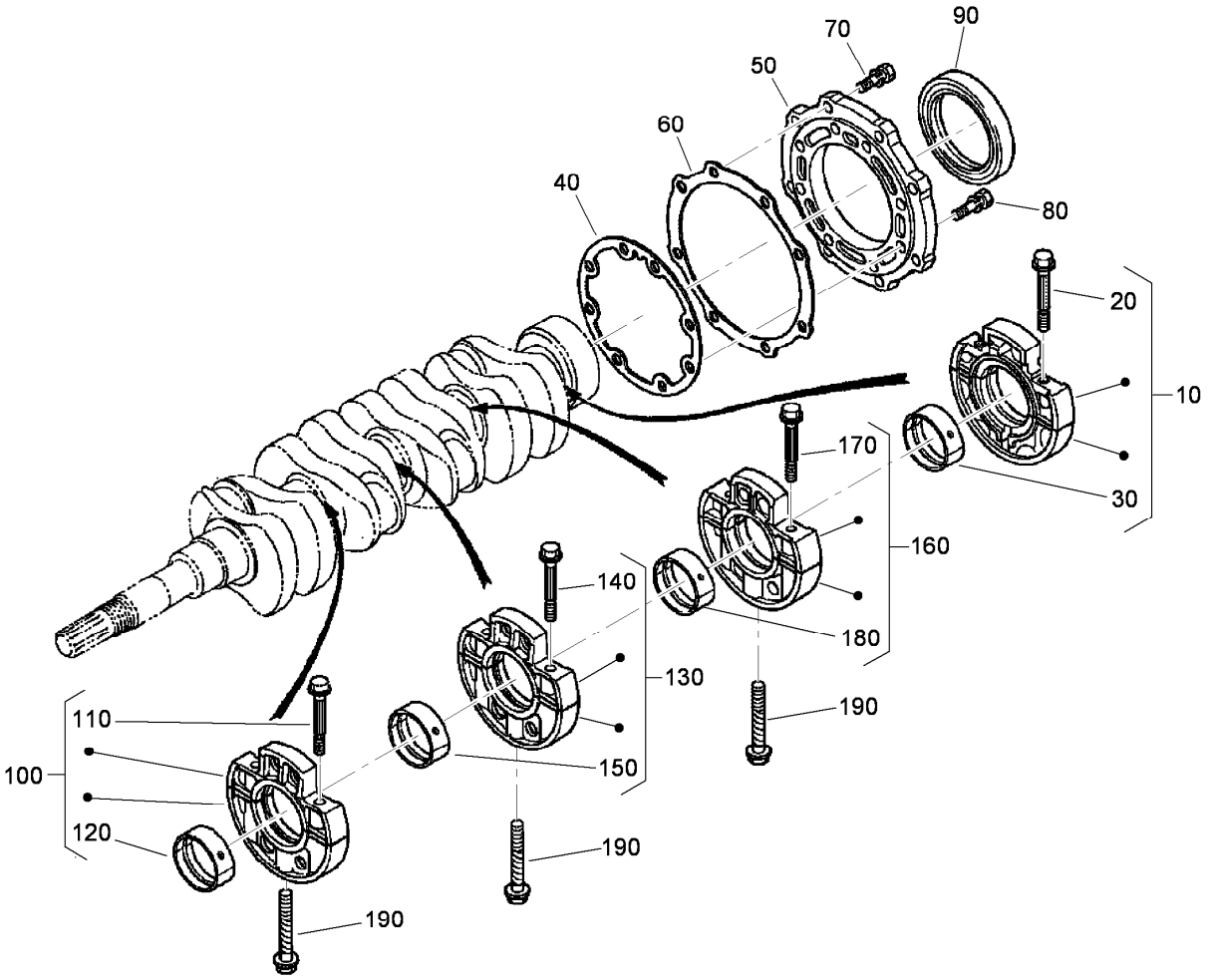
Dipstick and Guide Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8530	1	Gauge-Oil
20	105-4580	1	Guide-Gauge, Oil
30	110-3720	1	Plug-Gauge, Oil
40	115-8531	1	Plug-Filler, Oil
50	115-8532	1	Flange-Filler, Oil
60	98-7604	1	Gasket-Cover, Pump
70	98-7605	4	Bolt



Oil Pump Assembly

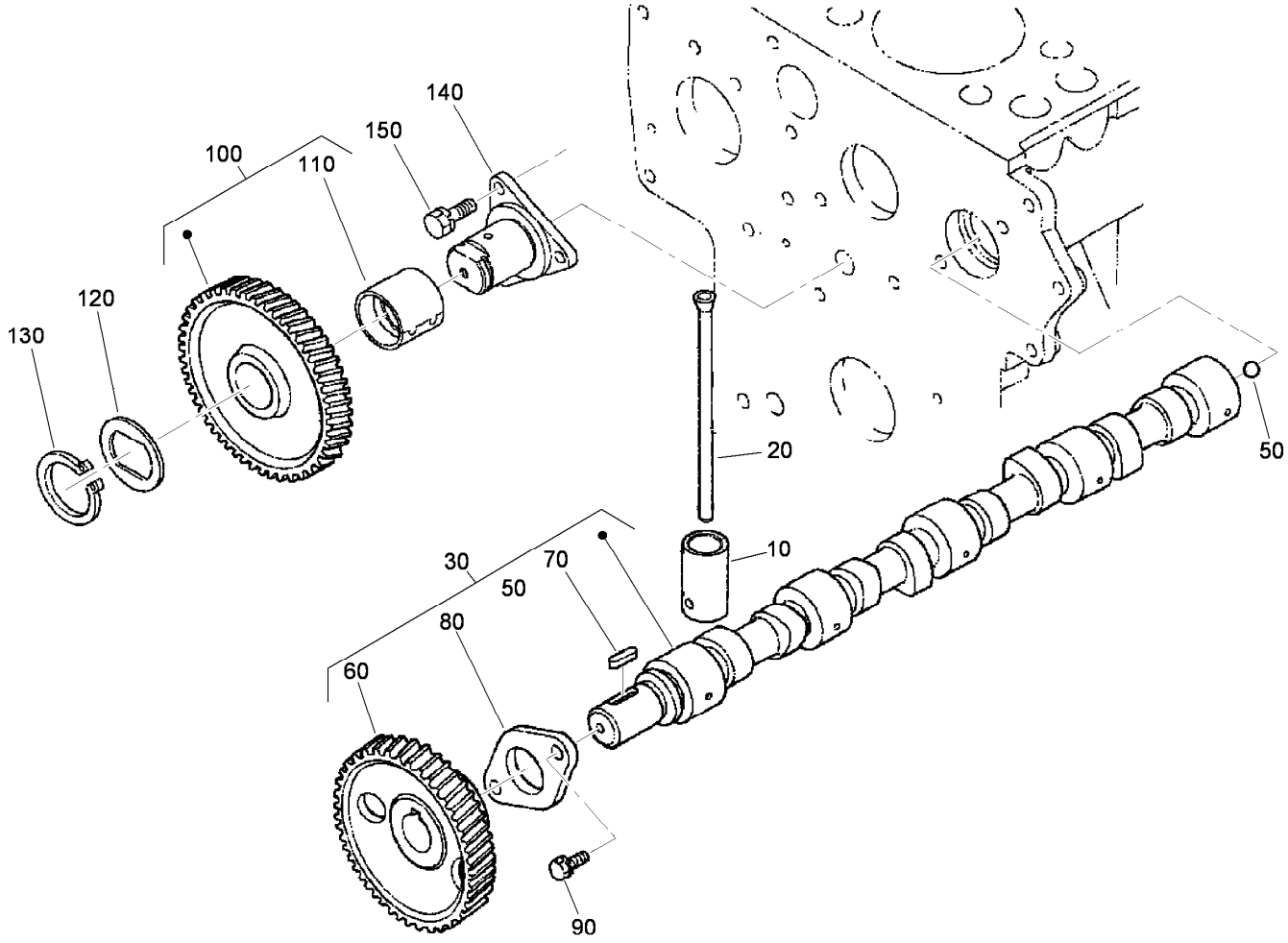
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7512	1	Oil Pump ASM
20	98-7513	1	Gasket-Pump, Oil
30	105-3797	4	Bolt
40	115-8533	1	Gear-Drive, Oil Pump
50	98-7517	1	Key-Feather
60	98-7518	1	Nut-Flange



Main Bearing Case Assembly

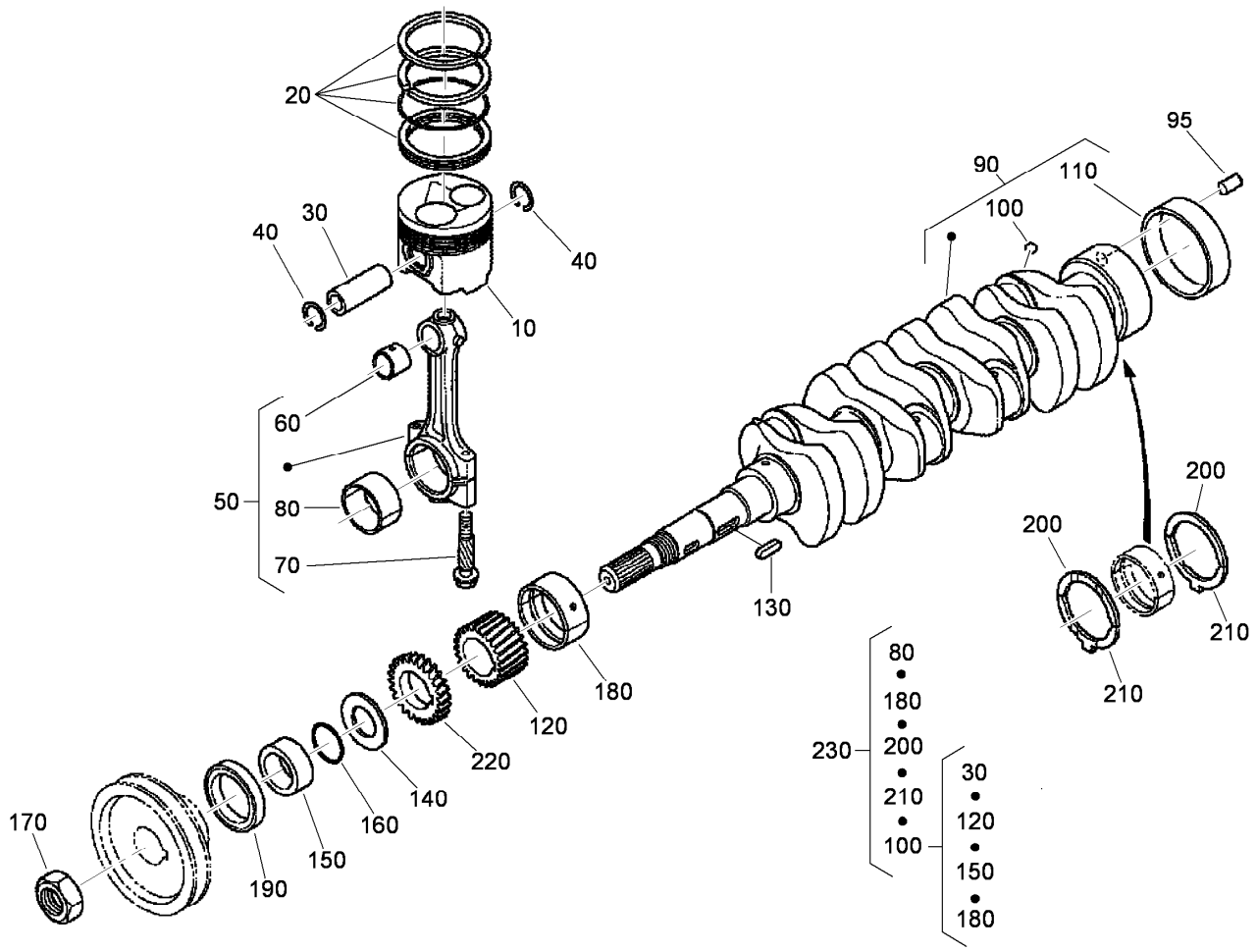
Ref.	Part Number	Qty.	Description
10	115-8534	1	Wheel Bearing Case ASM
20	108-7066	2	Bolt-Case, Bearing
30	108-7068	1	Metal-Crankshaft (-0.20Mm)
30	108-7067	1	Metal-Crankshaft (STD)
30	108-7069	1	Metal-Crankshaft (-0.40Mm)
40	108-7070	1	Gasket-Case, Bearing
50	108-7071	1	Cover-Case, Bearing
60	98-7437	1	Gasket-Case Cover, Bearing
70	98-7438	8	Bolt
80	98-7439	8	Bolt
90	108-7072	1	Seal-Oil
100	115-8535	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	108-7069	1	Metal-Crankshaft (-0.40Mm)
150	108-7068	1	Metal-Crankshaft (-0.20Mm)
150	108-7067	1	Metal-Crankshaft (STD)
160	115-8536	1	Main Bearing Case ASM
170	108-7066	2	Bolt-Case, Bearing
180	108-7067	1	Metal-Crankshaft (STD)
180	108-7068	1	Metal-Crankshaft (-0.20Mm)
180	108-7069	1	Metal-Crankshaft (-0.40Mm)
190	98-7444	3	Bolt-Case, Bearing



Cam Shaft and Idle Gear Assembly

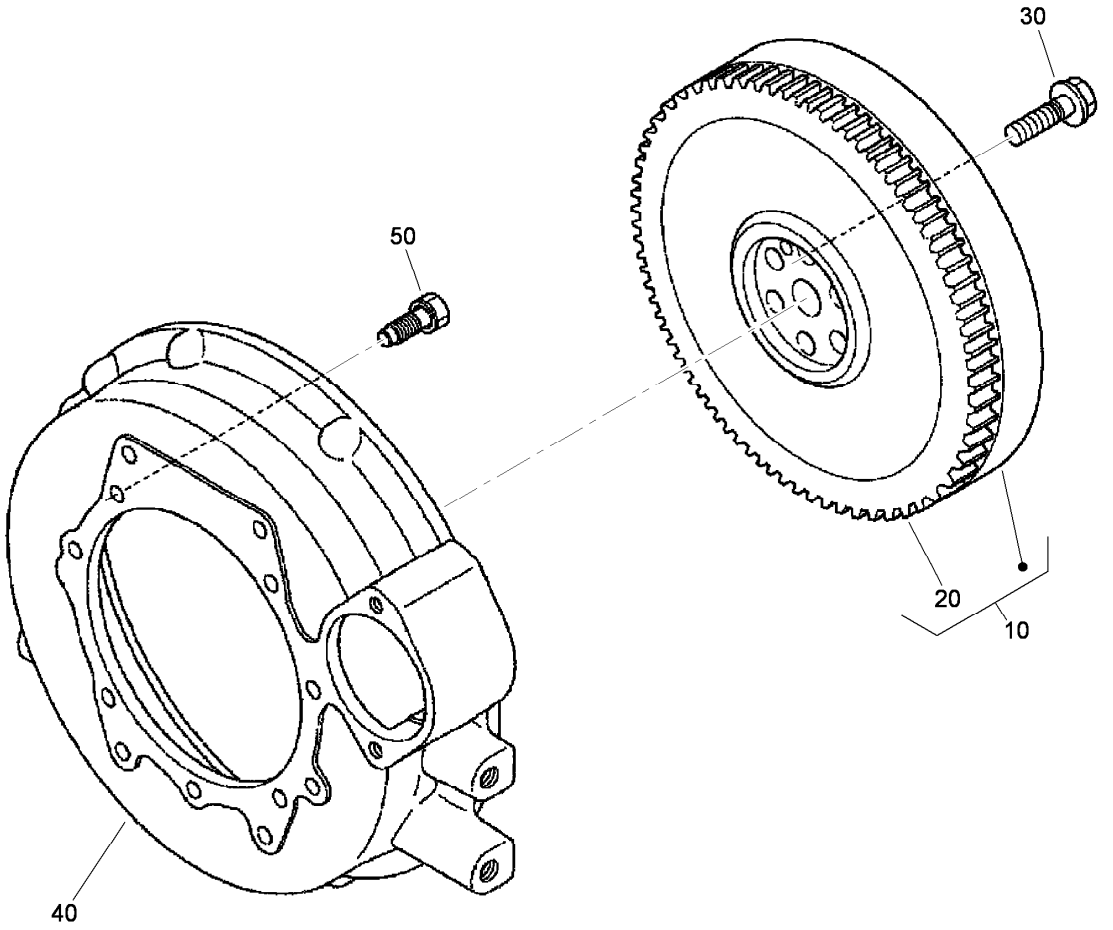
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7445	8	Tappet
20	115-8537	8	Rod-Push
30	115-8538	1	Camshaft ASM
50	110-3729	1	Ball
60	115-8539	1	Gear-Cam
70	98-7451	1	Key-Feather
80	98-7452	1	Stopper-Camshaft
90	98-7453	2	Bolt
100	107-0109	1	Gear-Idler
110	107-0110	1	Bushing-Gear, Idler
120	107-0111	1	Collar
130	107-0112	1	Circlip-External
140	115-8646	1	Shaft-Gear, Idler
150	98-7453	3	Bolt



Piston and Crankshaft Assembly

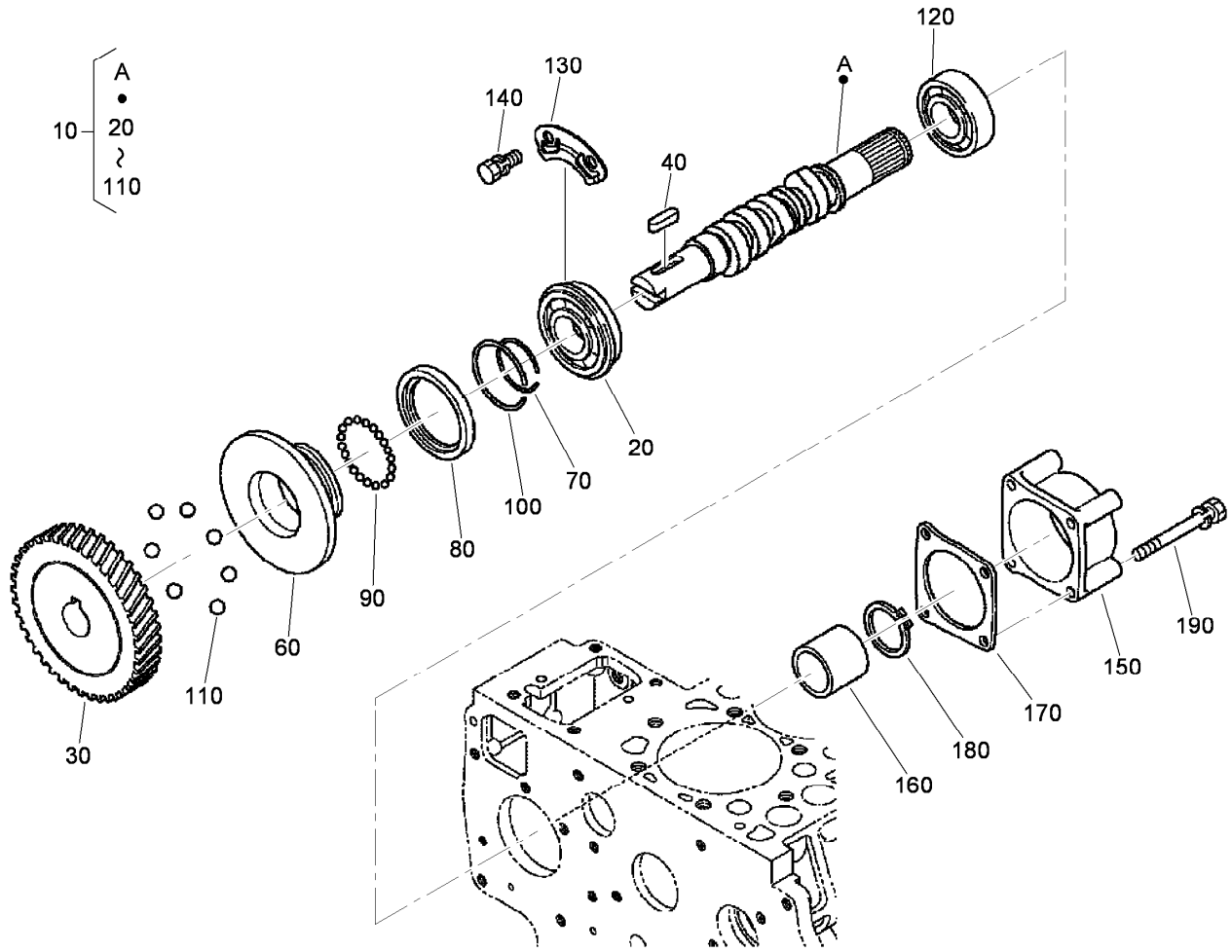
Ref.	Part Number	Qty.	Description
10	115-8540	4	Piston
10	115-8541	4	Piston
20	115-8543	1	Piston Ring ASM
20	115-8542	4	Piston Ring ASM
30	115-8544	4	Pin-Piston
40	112-7002	8	Circlip
50	115-8545	4	Connecting Rod ASM
60	115-8546	4	Bushing-Pin, Piston
70	98-7468	8	Bolt-Rod, Connecting
80	98-7469	4	Metal-Crankpin (STD)
80	115-8548	4	Metal-Crankpin (-0.40Mm)
80	115-8547	4	Metal-Crankpin (-0.20Mm)
90	115-8549	1	*obs* Crankshaft
95	115-8550	1	Pin-Straight
100	110-3729	4	Ball
110	98-7474	1	Sleeve-Crankshaft
120	115-8551	1	Gear-Crank
130	115-8552	1	Key-Feather
140	98-7476	1	Slinger-Oil

Ref.	Part Number	Qty.	Description
150	98-7477	1	Collar-Crankshaft
160	98-7478	1	O-Ring
170	98-7479	1	Nut-Crankshaft
180	108-7075	1	Metal-Crankshaft (STD)
180	108-7076	1	Metal-Crankshaft (-0.20Mm)
180	108-7077	1	Metal-Crankshaft (-0.40Mm)
190	98-7480	1	Seal-Oil
200	108-7078	2	Metal-Side (STD)
200	108-7079	2	Metal-Side (+0.20Mm)
200	108-7080	2	Metal-Side (+0.40Mm)
210	108-7081	2	Metal-Side (STD)
210	108-7082	2	Metal-Side (+0.20Mm)
210	108-7083	2	Metal-Side (+0.40Mm)
220	115-8553	1	Gear-Drive, Oil Pump
230	115-8554	1	Engine Metal Kit
230	115-8555	1	Engine Metal Kit (-0.20Mm/+0.20Mm)
230	115-8556	1	Engine Metal Kit (-0.40Mm/+0.40Mm)



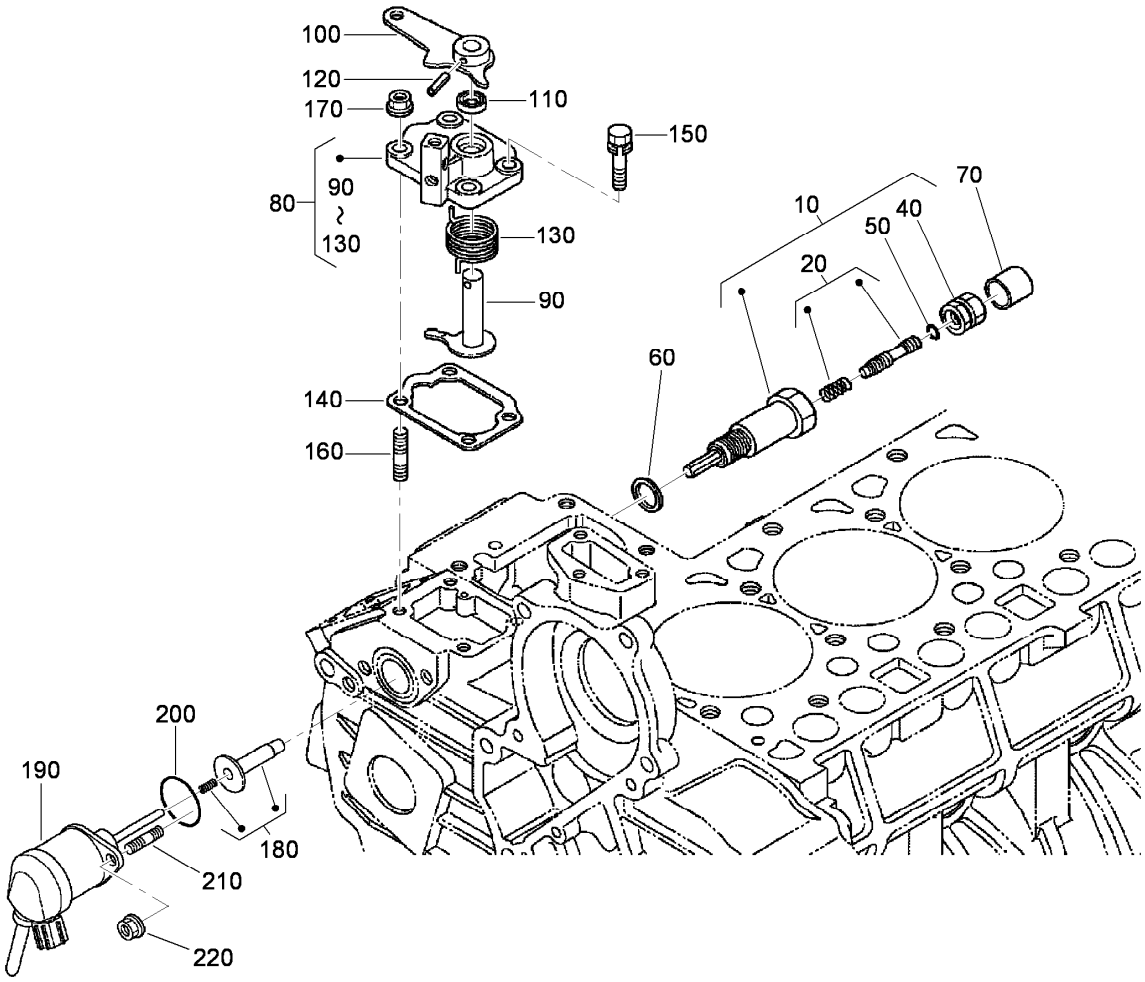
Flywheel Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8557	1	Flywheel ASM
20	115-8558	1	Gear-Ring
30	112-8408	6	Bolt-Flywheel
40	115-8559	1	Housing-Flywheel
50	98-7885	11	Bolt



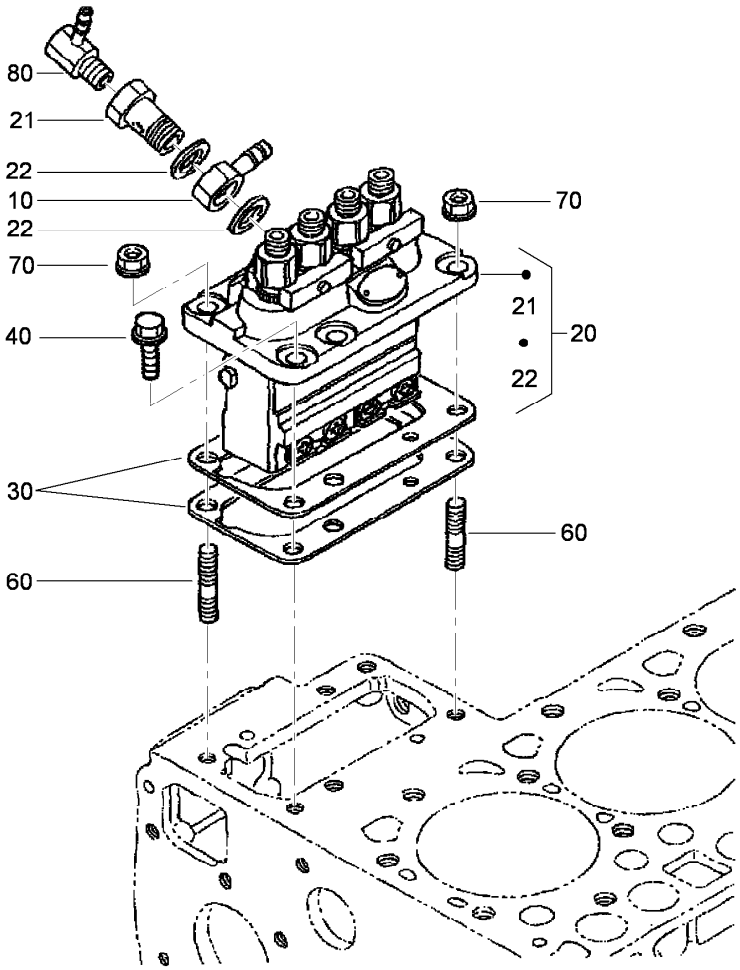
Fuel Camshaft and Governor Shaft Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8560	1	Fuel Camshaft ASM
20	115-8561	1	Bearing-Ball
30	98-7574	1	Gear-Pump, Injection
40	98-7575	1	Key-Feather
60	98-7577	1	Sleeve-Governor
70	98-7578	1	Circlip-Sleeve, Governor
80	98-7579	1	Case-Ball, Governor
90	98-7580	39	Ball
100	98-7581	1	Circlip
110	98-7582	7	Ball
120	115-8562	1	Bearing-Ball
130	115-8563	1	Stopper-Fuel Camshaft
140	100-9195	2	Bolt
150	115-8564	1	Cover-Camshaft, Fuel
160	115-8565	1	Collar
170	115-8566	1	Gasket
180	98-7589	1	Circlip-External
190	98-7590	4	Bolt



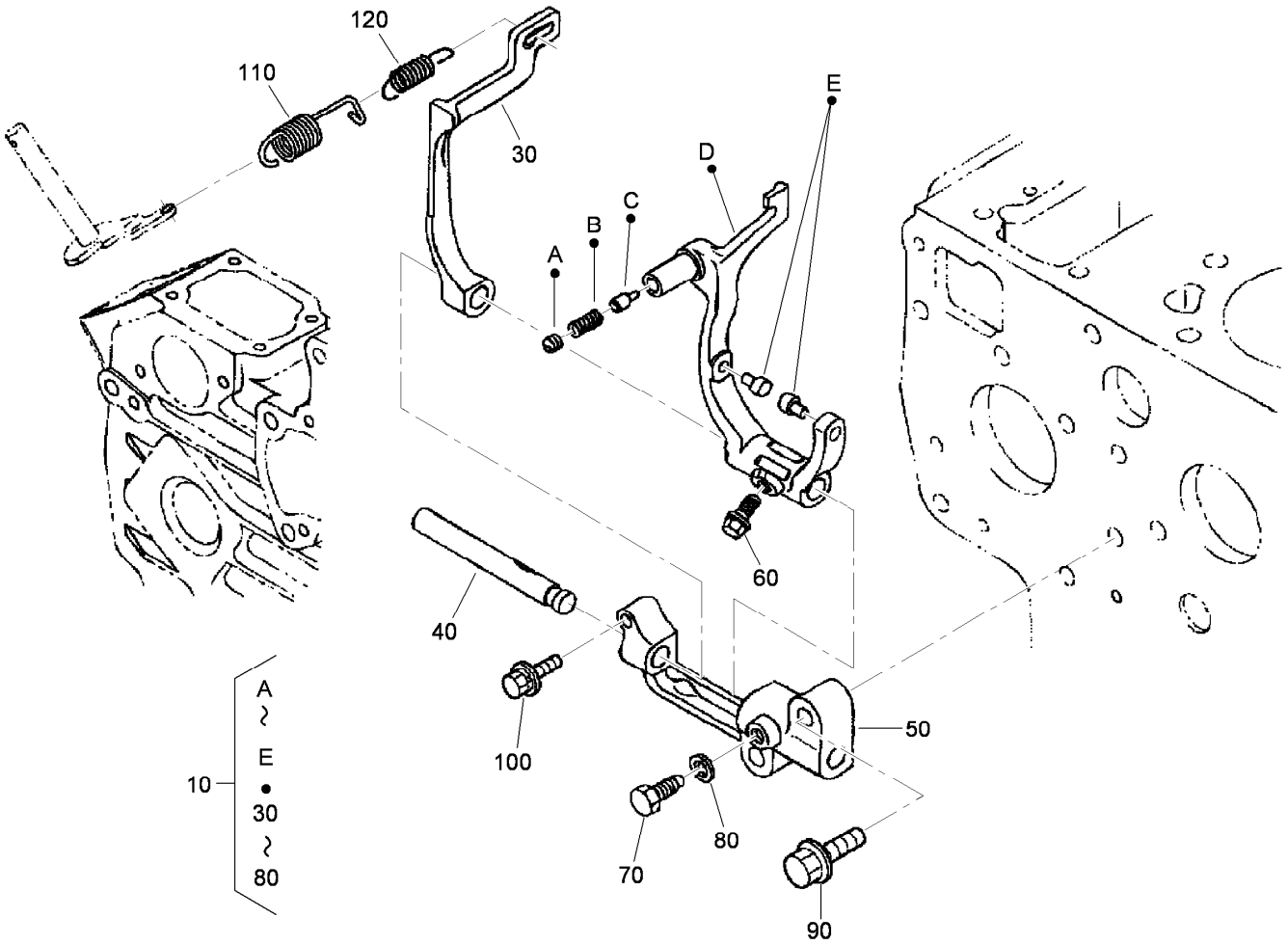
Idle Apparatus and Stop Solenoid Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8567	1	Apparatus-Idling
20	115-8568	1	Adjustment Bolt ASM
40	115-8569	1	Nut-Spring
50	115-8570	1	O-Ring
60	115-8571	1	Gasket
70	115-8572	1	Cap
80	115-8573	1	Engine Stop Lever ASM
90	115-8574	1	Lever-Stop
100	115-8575	1	Lever-Stop, Engine
110	115-8576	1	Seal-Oil
120	98-7602	1	Pin-Spring
130	115-8577	1	Spring-Return
140	115-8578	1	Gasket-Plate
150	98-7568	2	Bolt
160	98-7571	2	Stud
170	100-2203	2	Nut-Flange
180	115-8579	1	Guide-Solenoid
190	115-8580	1	Solenoid ASM
200	110-3762	1	O-Ring
210	98-7571	2	Stud
220	100-2203	2	Nut-Flange



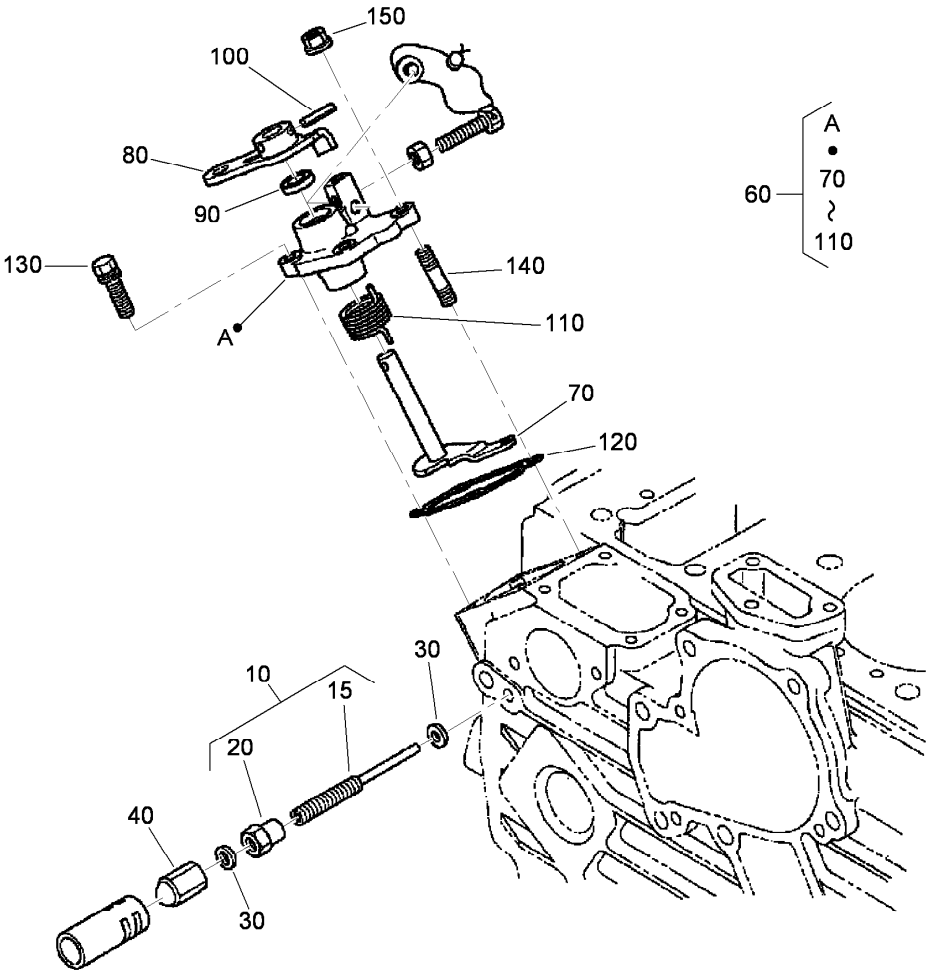
Injection Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7617	1	Joint
20	115-8581	1	Injection Pump ASM
21	98-7635	1	Screw
22	98-7636	2	Gasket
30	115-8582	1	Shim-Pump, Injection (0.175Mm)
30	98-7607	1	Shim-Pump, Injection (0.200Mm)
30	107-0147	1	Shim-Pump, Injection (0.250Mm)
30	107-0148	1	Shim-Pump, Injection (0.300Mm)
40	115-8583	4	Bolt-Flange
60	100-1558	2	Stud
70	112-2492	2	Nut-Flange
80	107-4300	1	Orifice ASM



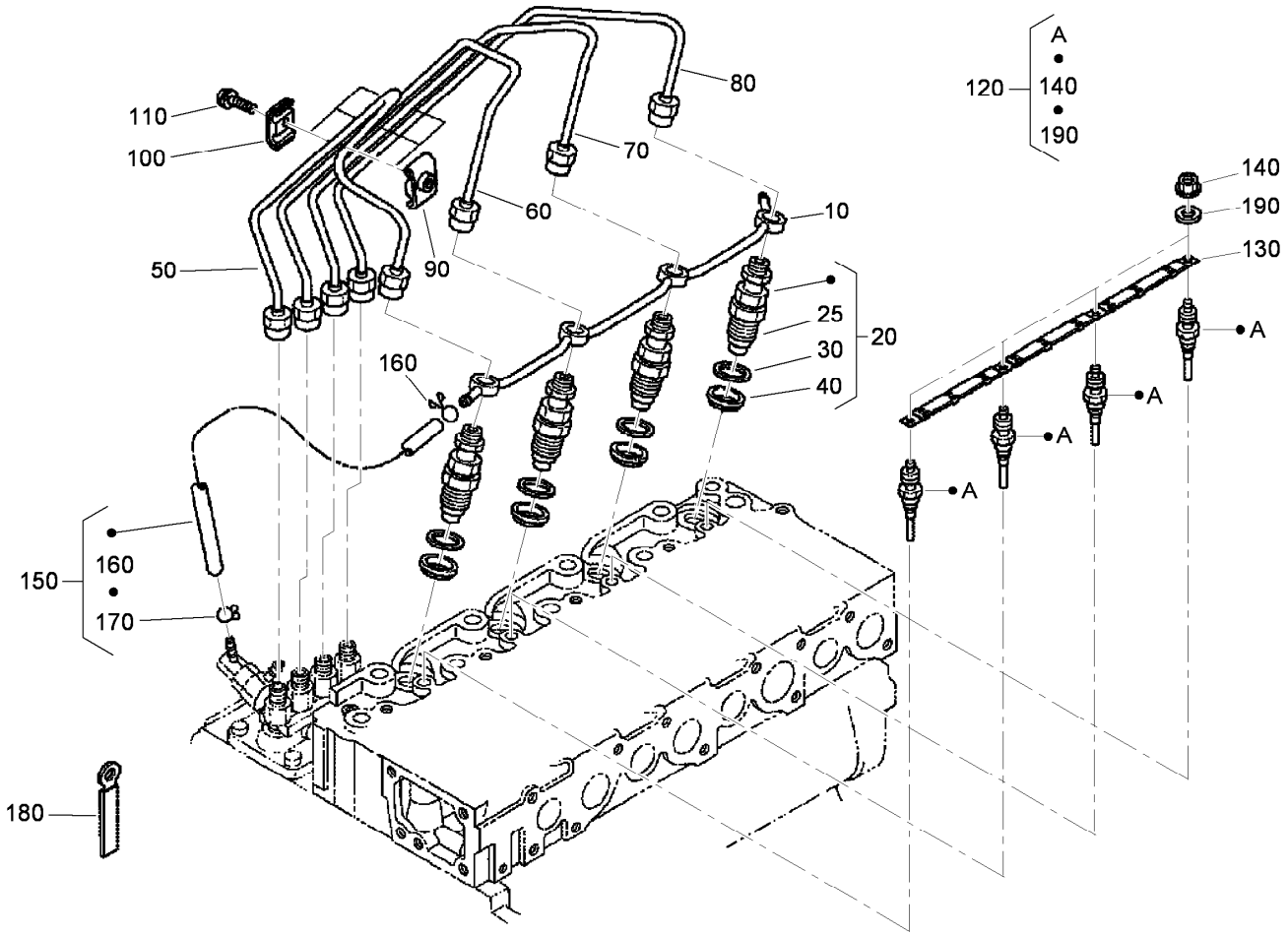
Governor Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8584	1	Fork Lever ASM
30	115-8585	1	Lever-Fork
40	107-0120	1	Shaft-Lever, Fork
50	98-7643	1	Holder-Lever, Fork
60	107-0116	1	Bolt-Flange
70	98-7644	1	Bolt
80	98-9367	1	Washer-Spring
90	108-7085	2	Bolt-Flange
100	108-7086	1	Bolt
110	115-8586	1	Spring-Governor
120	115-8587	1	Spring-Governor



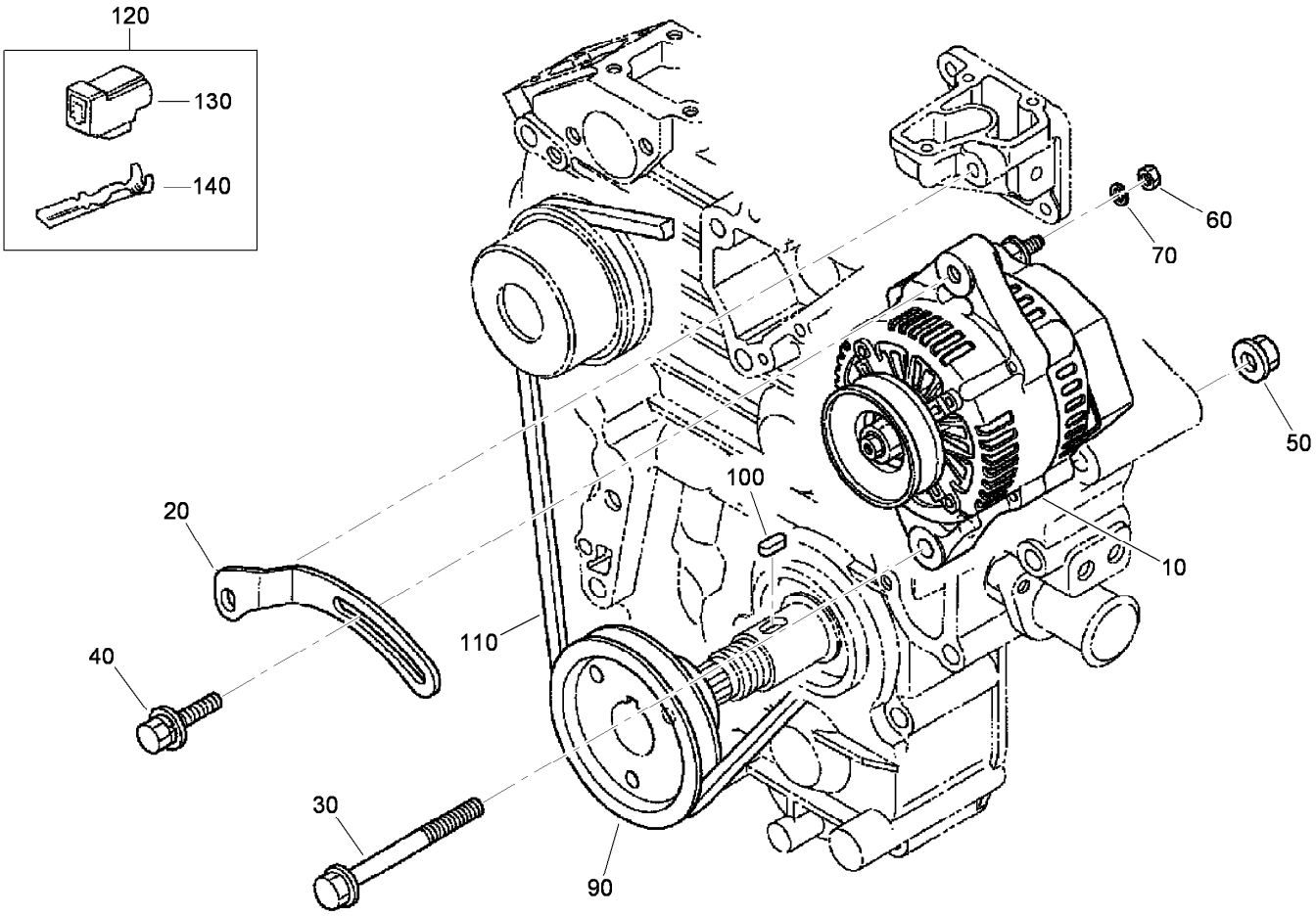
Speed Control Plate Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	107-0132	1	Adjustable Bolt ASM
15	115-8588	1	Bolt-Adjusting
20	98-7653	1	Nut
30	98-7654	2	Gasket
40	98-7655	1	Nut-Cap
60	115-8589	1	Control Plate ASM
70	115-8590	1	Lever-Governor
80	115-8591	1	Lever-Control, Speed
90	115-8576	1	Seal-Oil
100	98-7602	1	Pin-Spring
110	115-8593	1	Spring-Return
120	115-8578	1	Gasket-Plate
130	98-7568	2	Bolt
140	98-7571	2	Stud
150	100-2203	2	Nut-Flange



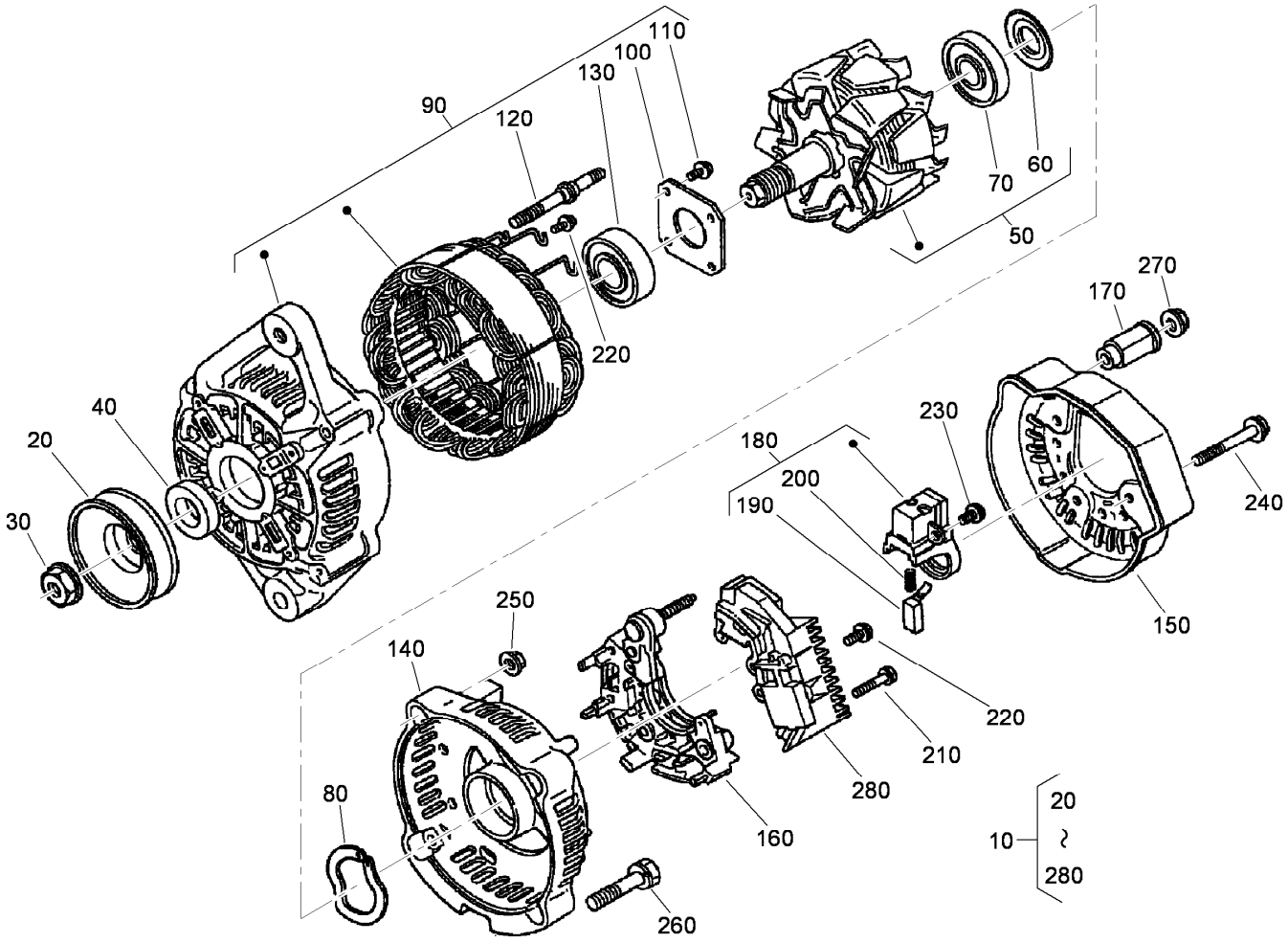
Nozzle Holder and Glow Plug Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-9213	1	Overflow Pipe ASM
20	100-9214	4	Nozzle Holder Kit
25	100-9215	4	Piece-Nozzle
30	98-7676	4	Gasket
40	98-7677	4	Seal-Heat
50	100-9216	1	Pipe-Injection
60	100-9217	1	Pipe-Injection
70	100-9218	1	Pipe-Injection
80	100-9219	1	Pipe-Injection
90	98-7682	3	Clamp-Pipe
100	98-7683	3	Clamp-Pipe
110	98-9364	3	Screw (With Washer)
120	98-7685	4	Plug-Glow
130	98-7686	1	Cord-Plug, Glow
140	99-8377	4	Nut-Flange
150	98-7670	1	Overflow Pipe ASM
160	98-7671	1	Clip-Pipe
170	115-8595	1	Clip-Pipe
180	98-7673	1	Clamp-Cord
190	99-8378	4	Washer-Plain



Alternator and Pulley Assembly

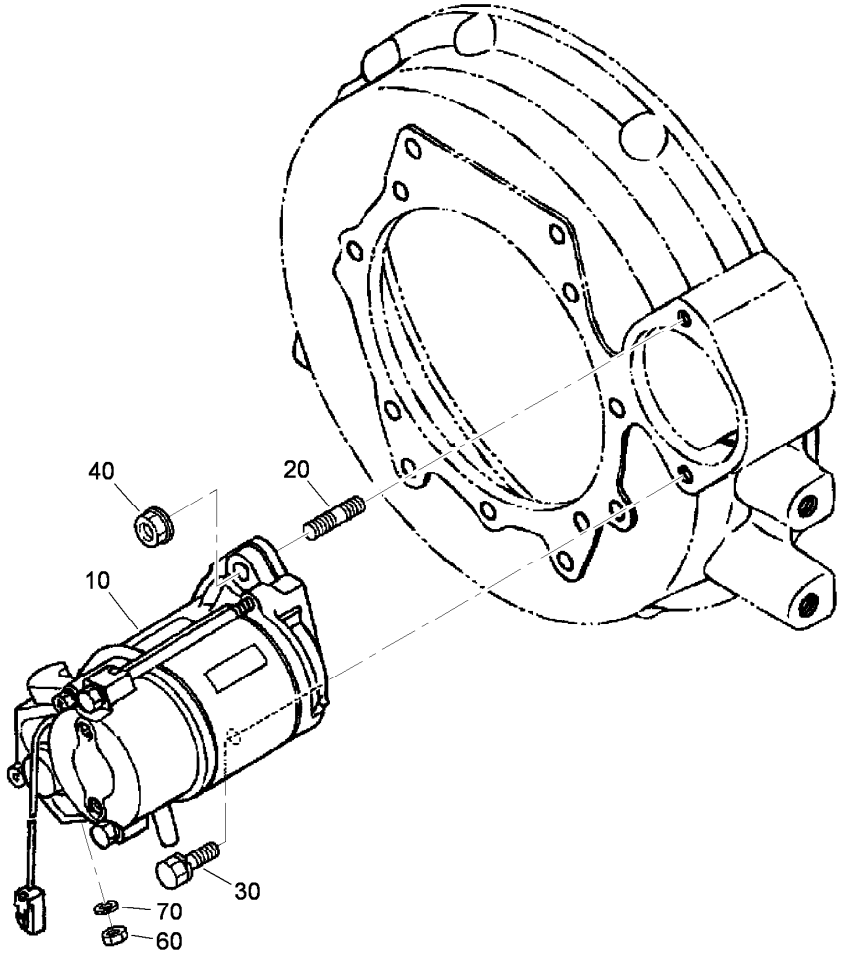
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7693	1	Alternator ASM
20	105-2872	1	Bracket-Alternator
30	115-8596	1	Bolt-Flange
40	108-7088	1	Bolt
50	115-8597	1	Nut-Flange
60	98-7572	1	Nut
70	98-7699	1	Washer-Spring
90	115-8598	1	Pulley-Drive, Fan
100	98-7451	1	Key-Feather
110	115-8599	1	Belt-V
120	115-8600	1	Coupler ASM
130	115-8601	1	Connector
140	115-8602	2	Terminal



Alternator Component Part Assembly

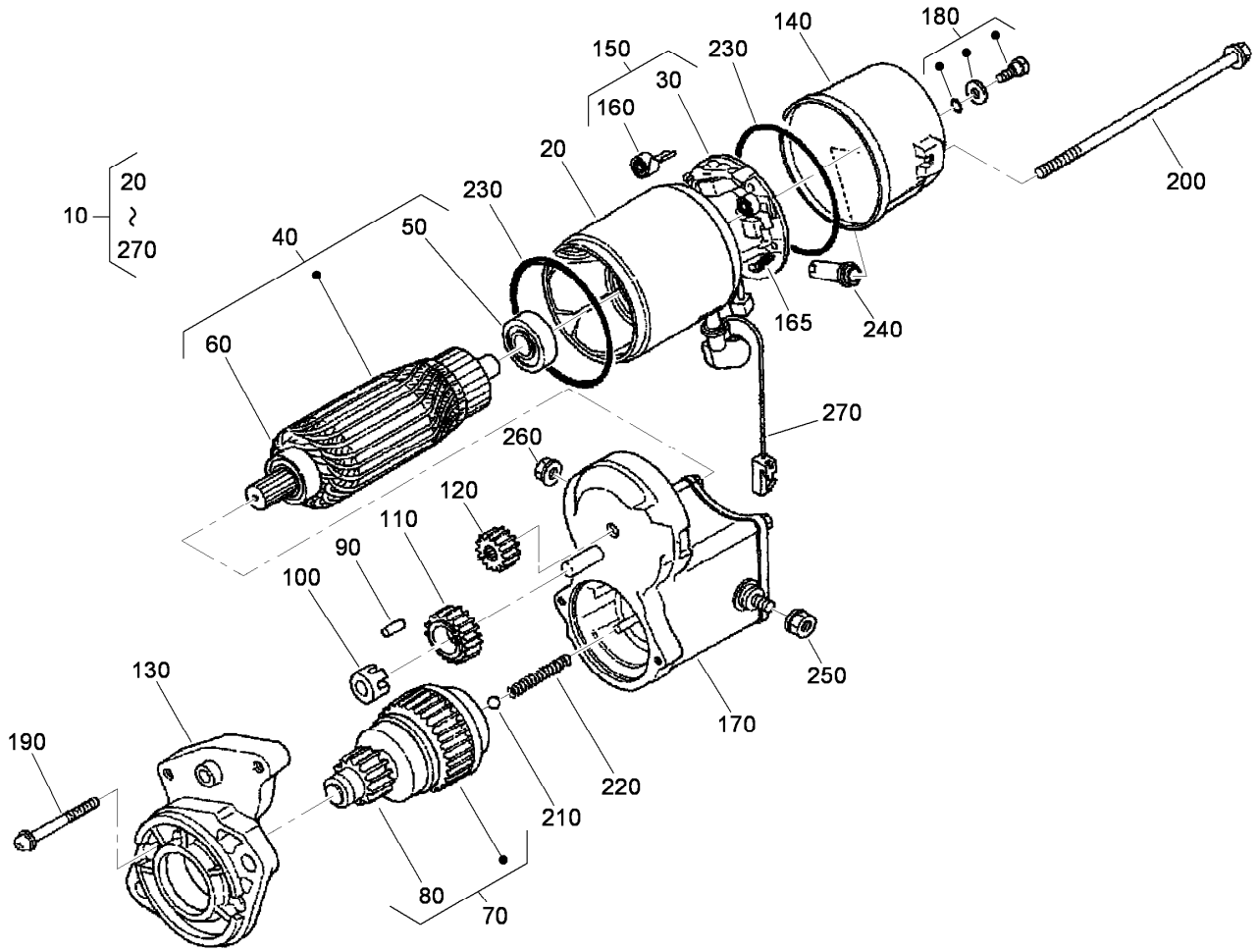
Ref.	Part Number	Qty.	Description
10	98-7693	1	Alternator ASM
20	98-7707	1	Pulley-Alternator
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	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	110-3799	1	Regulator ASM



Starter Assembly

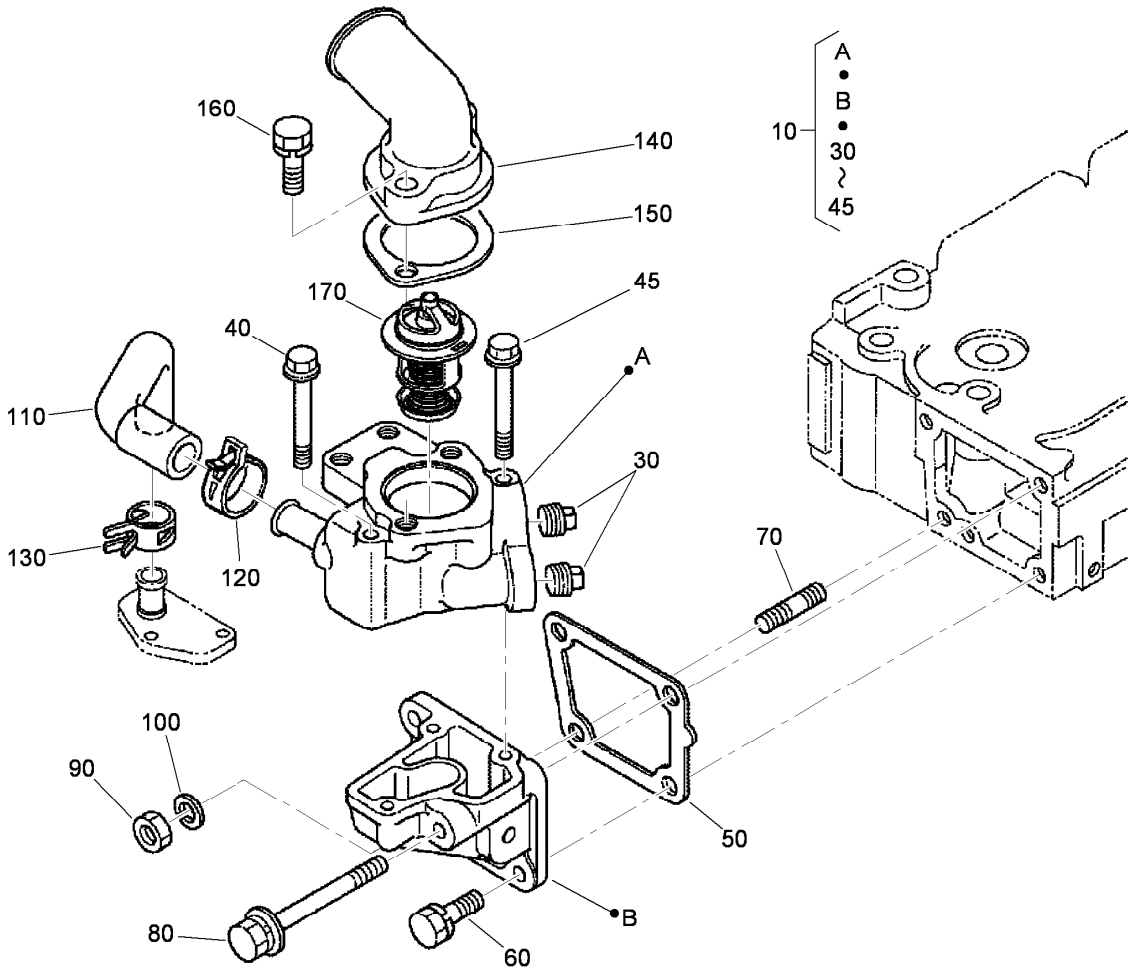
Ref.	*Part Number*	*Qty.*	*Description*
10	115-8603	1	Starter ASM
20	98-7735	1	Stud
30	98-7736	1	Bolt
40	115-8597	1	Nut-Flange
60	98-7739	1	Nut
70	105-2893	1	Washer-Spring



Starter Components Assembly

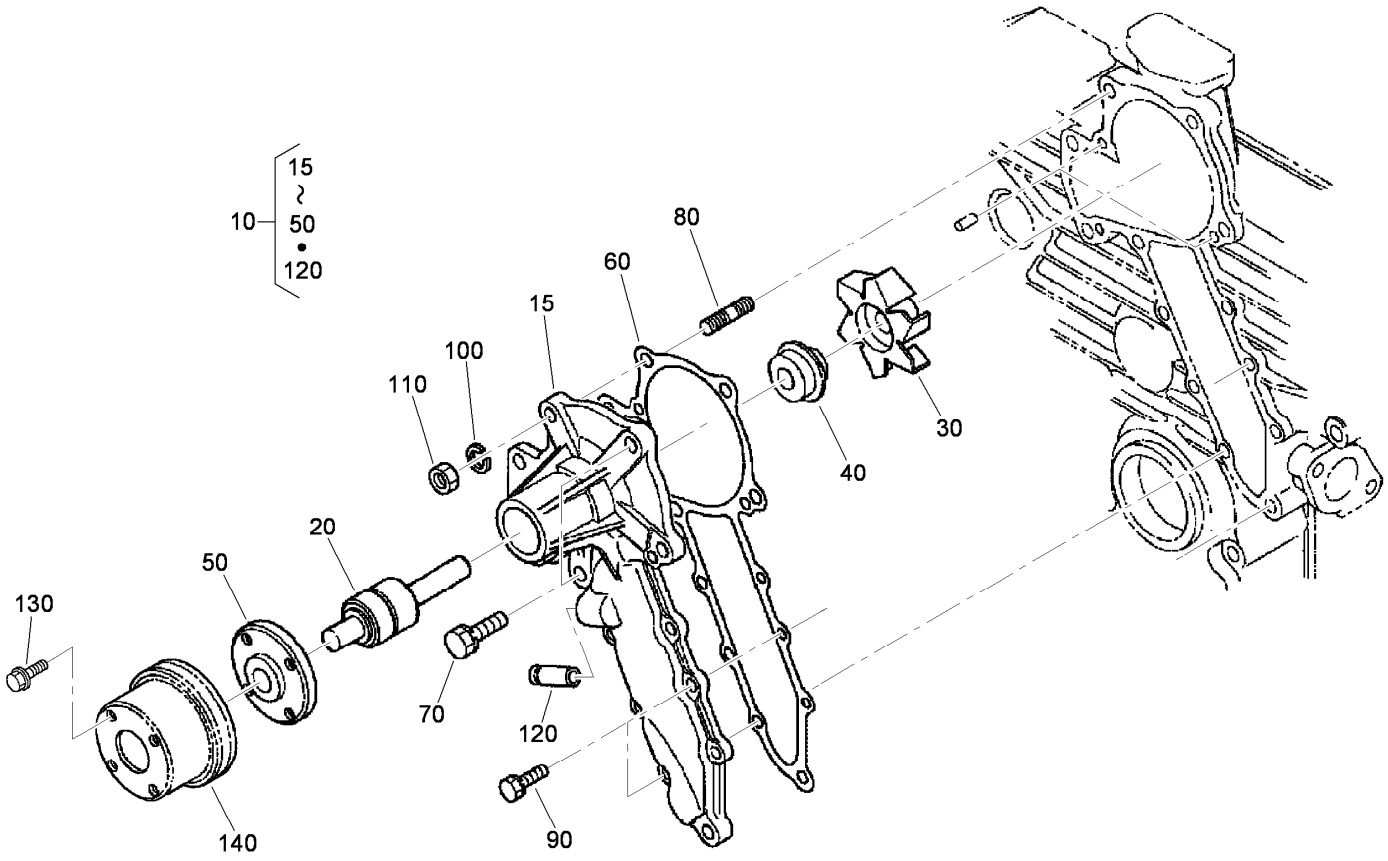
Ref.	Part Number	Qty.	Description
10	115-8603	1	Starter ASM
20	115-8604	1	Yoke
30	115-8605	1	Brush Kit
40	115-8606	1	Armature
50	115-8607	1	Bearing
60	98-7744	1	Bearing
70	115-8608	1	Clutch-Running, Over
80	112-2833	1	Gear-Pinion
90	98-9707	5	Roller
100	98-7752	1	Retainer
110	98-7751	1	Gear
120	115-8609	1	Gear
130	115-8610	1	Frame-End, Drive
140	115-8611	1	Frame-End

Ref.	Part Number	Qty.	Description
150	115-8612	1	Holder-Brush
160	115-8613	4	Spring
165	115-8614	4	Spring-Brush
170	115-8615	1	Magnetic Switch ASM
180	115-8616	2	Screw
190	115-8617	2	Screw
200	115-8618	2	Bolt-Thru
210	98-7755	1	Ball
220	98-7754	1	Spring
230	98-7757	2	O-Ring
240	115-8619	1	Pipe-Drain
250	98-7760	1	Nut-Hex
260	99-8376	1	Nut-Hex
270	98-9711	1	Cord-Solenoid, Stop



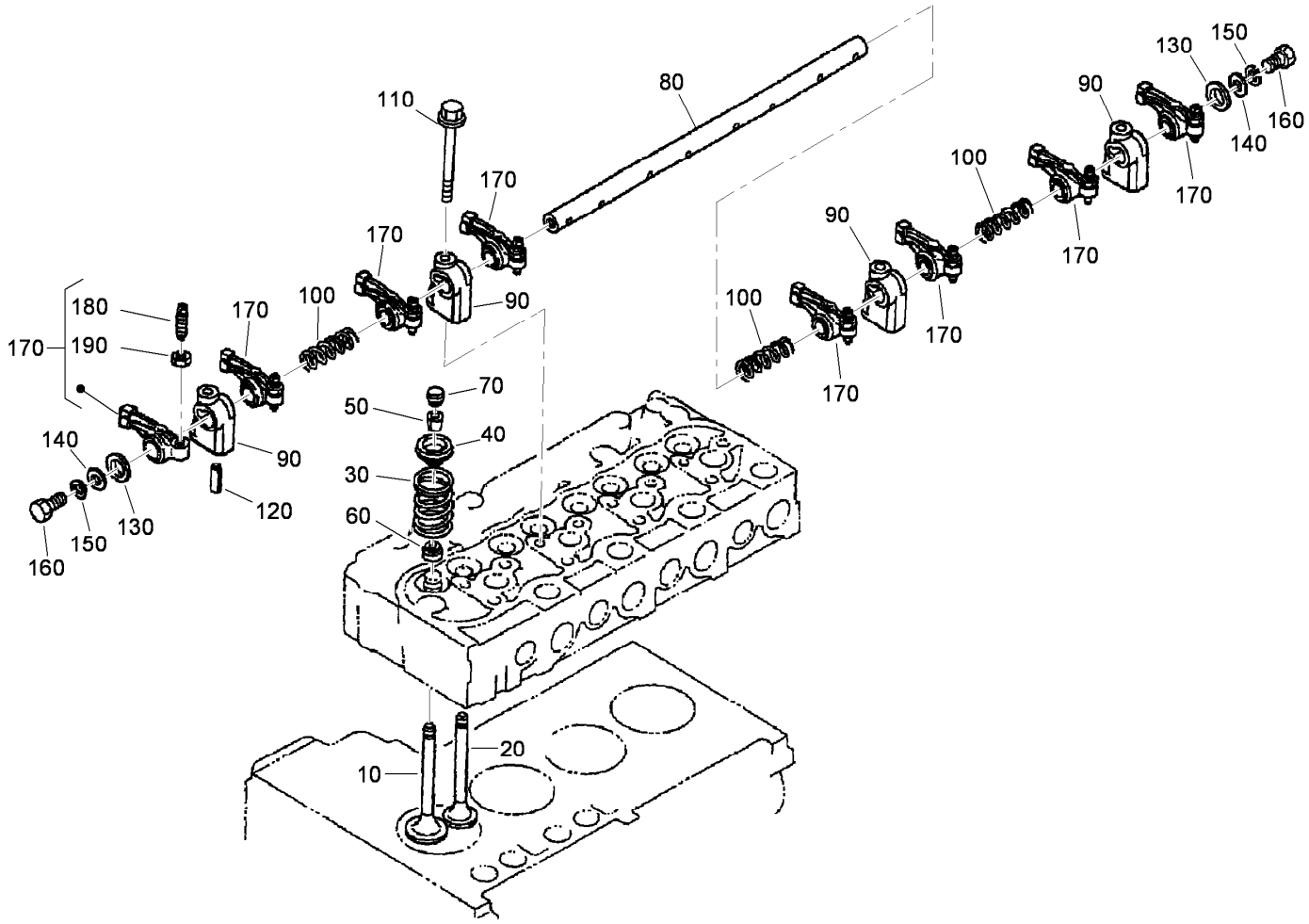
Water Flange and Thermostat Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-4578	1	Water Flange ASM
30	105-2874	2	Plug
40	105-2875	2	Bolt-Flange
40	105-2875	3	Bolt-Flange
45	107-0117	1	Bolt-Flange
45	107-0117	1	Bolt-Flange
50	98-7767	1	Gasket-Flange, Water
60	98-9359	2	Bolt
70	100-1558	1	Stud
80	107-0115	1	Bolt
90	98-7534	1	Nut
100	105-2893	1	Washer-Spring
110	115-8620	1	Pipe-Return, Water
120	115-8621	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



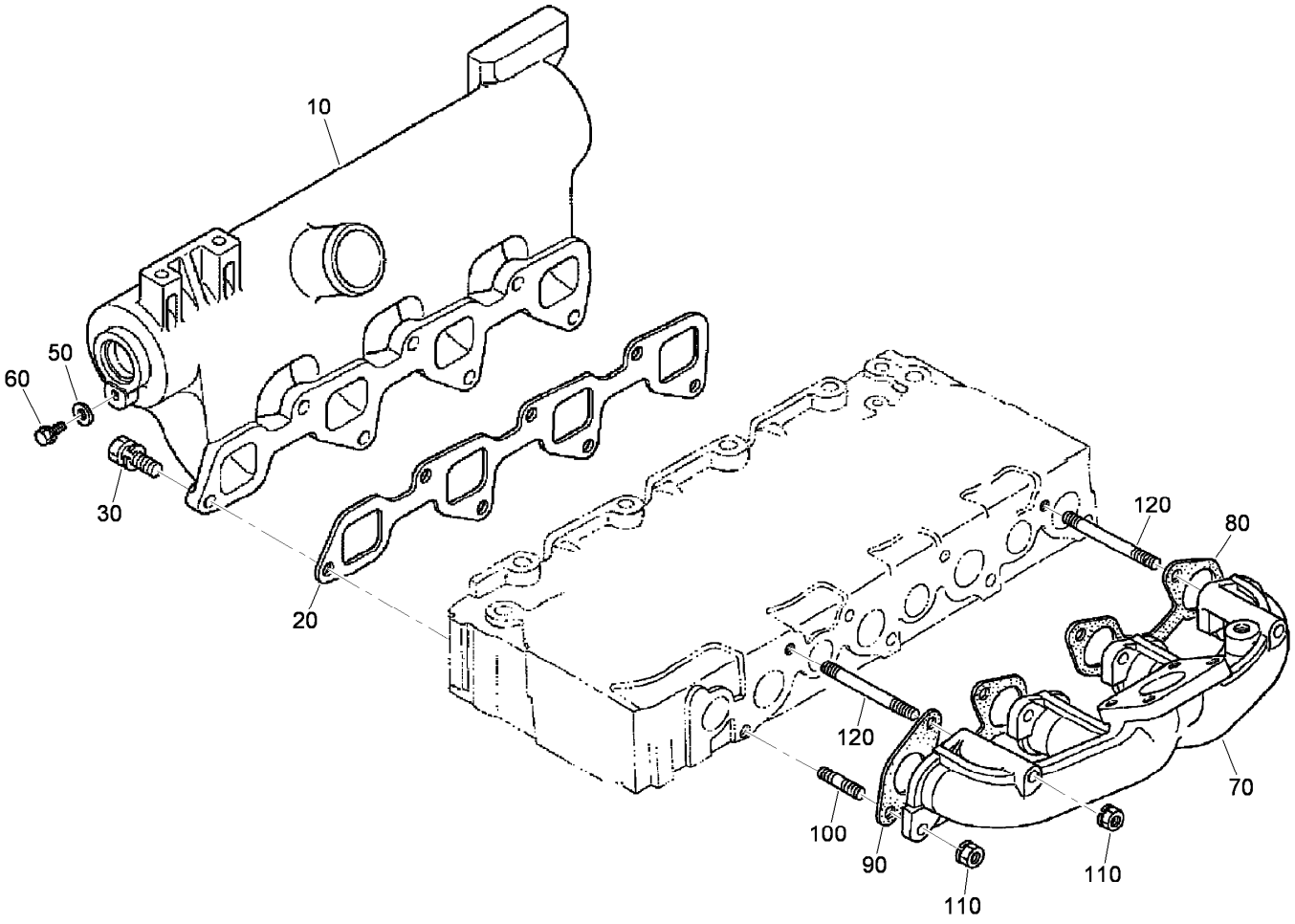
Water Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8622	1	Water Pump ASM
15	115-8623	1	*obs* Body-Pump, Water
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	115-8624	1	Gasket-Pump, Water
70	98-7439	2	Bolt
80	108-7090	1	Stud
90	98-7605	6	Bolt
100	105-2893	1	Washer-Spring
110	98-7534	1	Nut
120	98-9580	1	Pipe-Return, Water
130	107-4317	4	Bolt-Flange
140	115-8625	1	Pulley-Fan



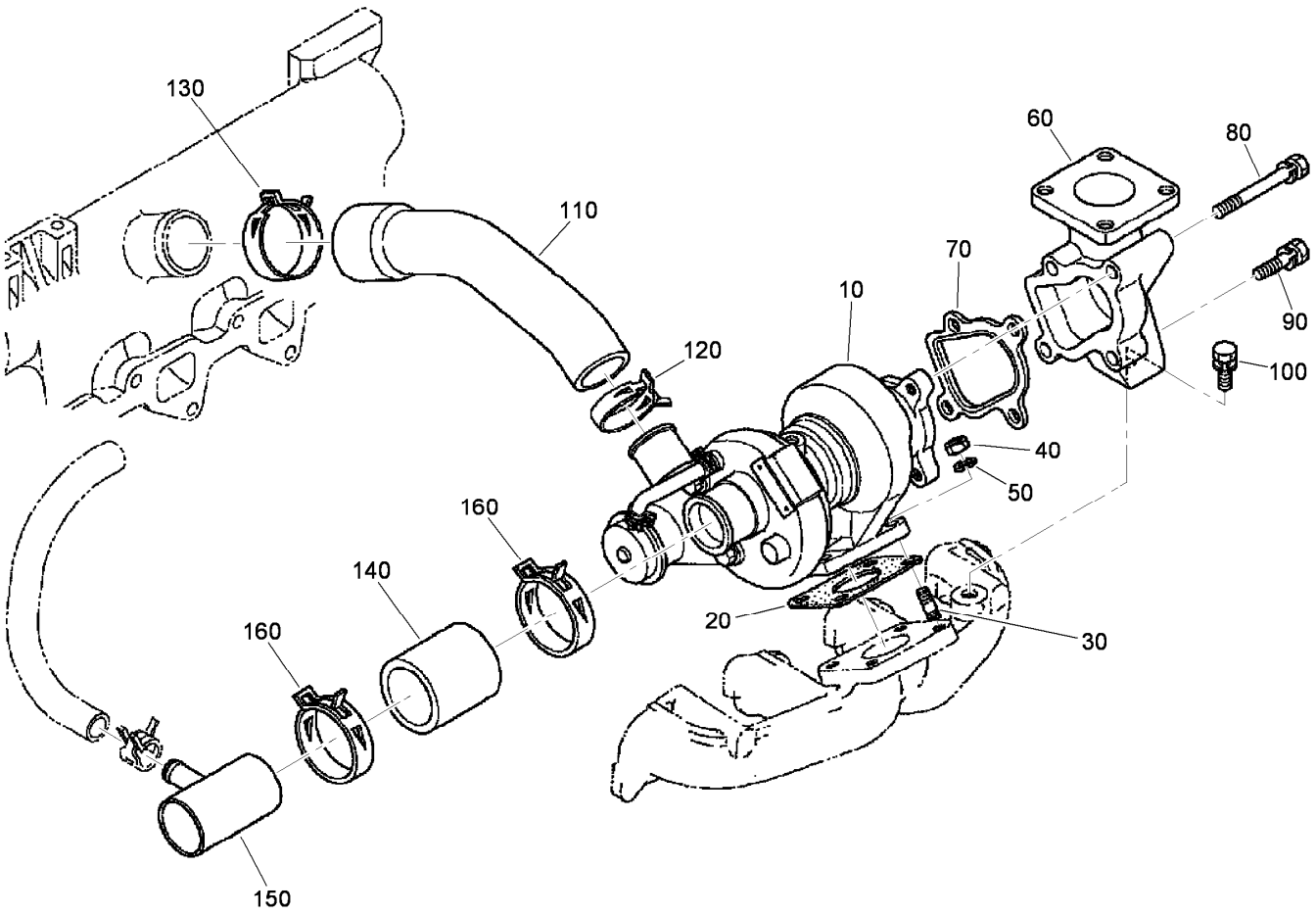
Valve and Rocker Arm Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8626	4	Valve-Inlet
20	114-5099	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
120	98-7805	1	Pin-Spring
130	98-7806	2	Washer
140	98-7660	2	Washer-Plain
150	105-2893	2	Washer-Spring
160	98-7884	2	Bolt
170	98-7809	8	Rocker Arm ASM
180	98-7810	8	Screw-Adjusting
190	98-7811	8	Nut



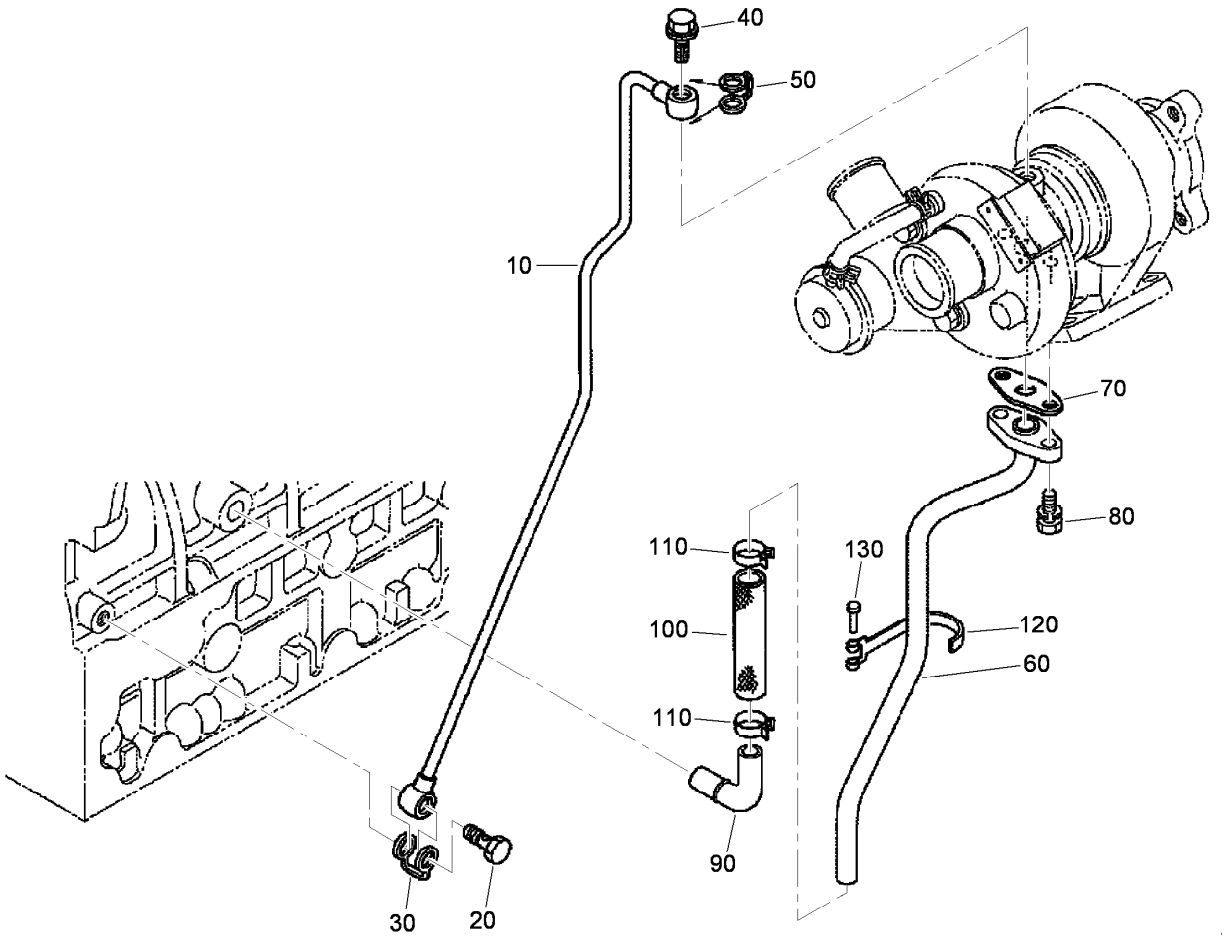
Inlet and Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8627	1	Manifold-Inlet
20	100-9284	1	Gasket-Manifold, Intake
30	98-7610	1	Bolt
50	98-7654	1	Gasket
60	107-4317	1	Bolt-Flange
70	108-7092	1	Manifold-Exhaust
80	98-7802	1	Gasket
90	98-7803	1	Gasket
100	100-1558	6	Stud
110	100-9288	8	Nut
120	100-9289	2	Stud



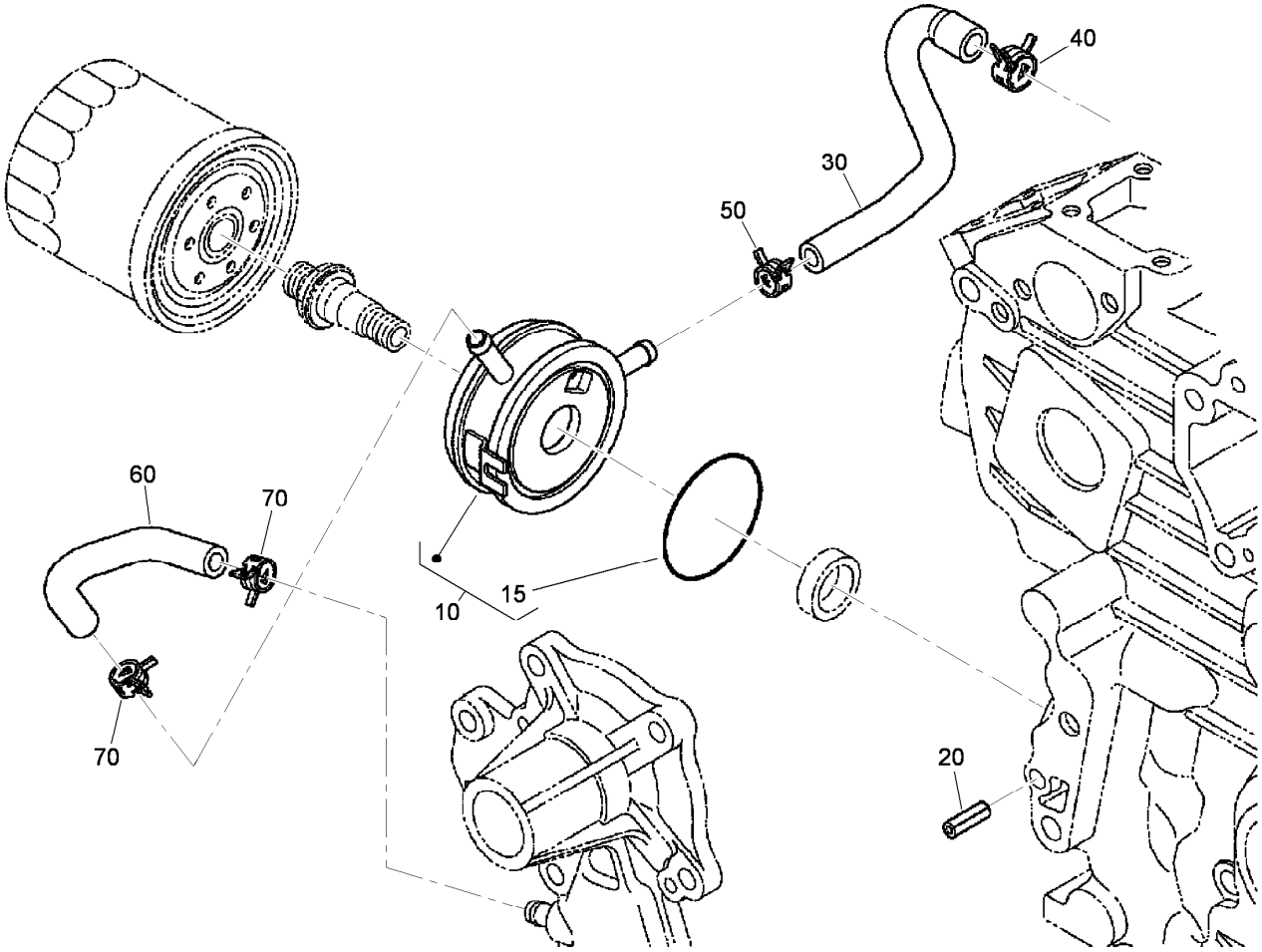
Turbo Charger Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8628	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
80	98-7590	2	Bolt
90	98-7777	2	Bolt
100	115-8629	1	Bolt
110	115-8630	1	Hose-Inlet
120	100-9319	1	Band-Pipe
130	99-8322	1	Band-Pipe
140	115-8631	1	Tube-Inlet, Turbo
150	115-8632	1	Pipe-Breather, Inlet
160	99-8322	2	Band-Pipe



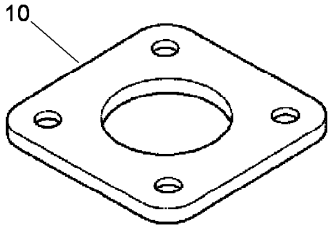
Oil Pipe (Turbo Charger) Assembly

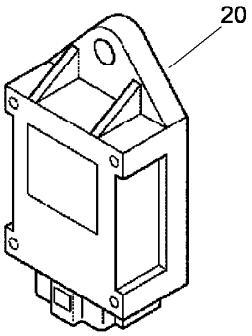
Ref.	*Part Number*	*Qty.*	*Description*
10	115-8633	1	Pipe-Oil
20	100-9321	1	Bolt-Joint, Eye
30	115-8634	1	Gasket
40	115-4126	1	Bolt-Joint, Eye
50	115-8635	1	Gasket
60	115-8636	1	Pipe-Oil
70	108-4422	1	Gasket
80	98-7605	2	Bolt
90	100-9323	1	Pipe-Oil
100	108-7095	1	Tube-Oil
110	98-9714	2	Clamp-Hose
120	108-7096	1	Clamp-Pipe
130	98-9591	1	Pin-Band

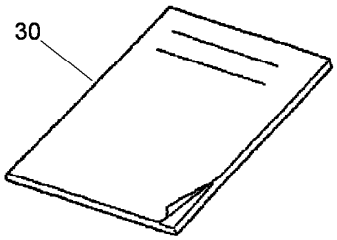


Oil Cooler Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8637	1	Oil Cooler ASM
15	115-8638	1	O-Ring
20	115-8639	1	Pin-Spring
30	115-8640	1	Hose-Cooler, Oil
40	105-2879	1	Clamp-Hose
50	98-9579	1	Band-Pipe
60	115-8641	1	Hose-Cooler, Oil
70	98-9579	2	Band-Pipe

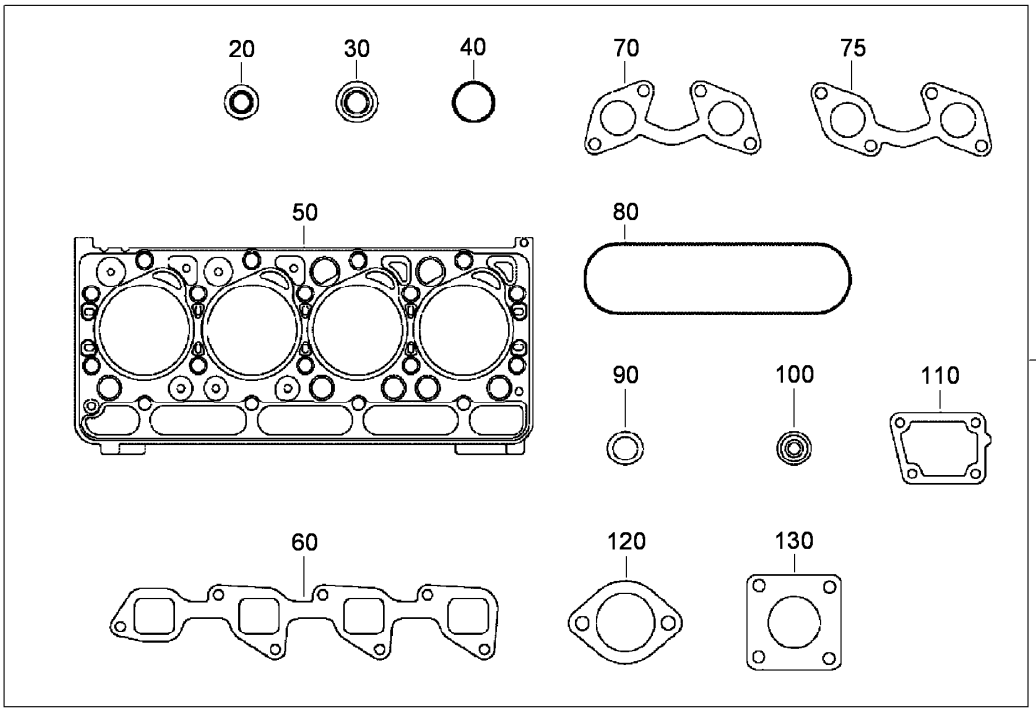






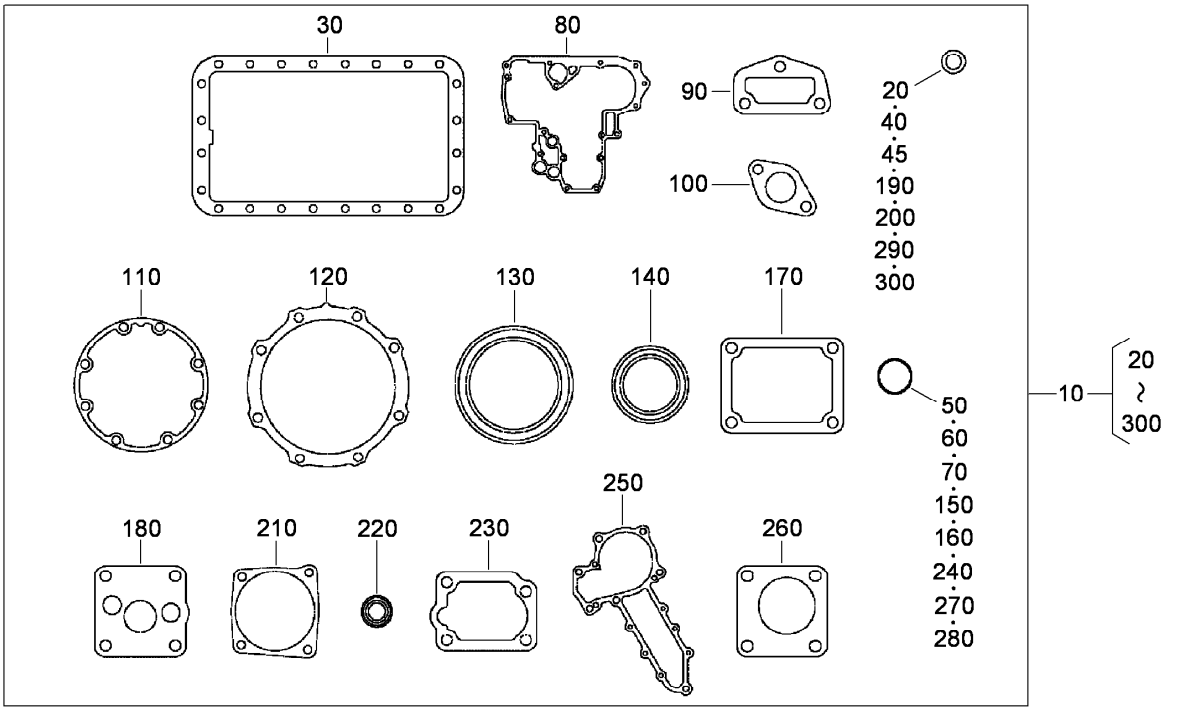
Muffler Gasket, Glow Controller and Operator Manual

Ref.	*Part Number*	*Qty.*	*Description*
10	100-9333	1	Gasket-Muffler
20	98-7611	1	Controller-Glow
30	115-8642	1	Manual-Operator



Upper Gasket Kit

Ref.	*Part Number*	*Qty.*	*Description*
10	115-8643	1	Upper Gasket Kit
20	98-7763	1	Washer-W/Rubber
30	98-7796	8	Seal-Stem, Valve
40	108-7064	1	O-Ring
50	115-8509	1	Gasket-Head, Cylinder (1.20Mm)
60	100-9284	1	Gasket-Manifold, Intake
70	98-7803	1	Gasket
75	98-7802	1	Gasket
80	108-7062	1	Gasket-Cover, Head
90	98-7676	4	Gasket
100	98-7677	4	Seal-Heat
110	98-7767	1	Gasket-Flange, Water
120	105-3748	1	Gasket-Thermostat
130	100-9333	1	Gasket-Muffler



Lower Gasket Kit

Ref.	Part Number	Qty.	Description
10	115-8644	1	Lower Gasket Kit
20	98-7524	1	Gasket
30	108-7053	1	Gasket-Pan, Oil
40	98-7528	1	O Ring-Copper
45	98-9399	2	Gasket
50	107-0104	1	O-Ring
60	115-8514	2	O-Ring
70	107-0106	1	O-Ring
80	115-8516	1	Gasket-Case, Gear
90	115-8521	1	Gasket-Flange, Return
100	115-8645	1	Gasket-Pump, Fuel
110	98-7435	1	Gasket-Case, Bearing
120	98-7437	1	Gasket-Case Cover, Bearing
130	108-7072	1	Seal-Oil
140	98-7480	1	Seal-Oil

Ref.	Part Number	Qty.	Description
150	98-7478	1	O-Ring
160	108-7054	1	O-Ring
170	98-7604	1	Gasket-Cover, Pump
180	115-8648	1	Gasket-Pump, Oil
190	98-7654	2	Gasket
200	98-7636	2	Gasket
210	115-8566	1	Gasket
220	115-8576	2	Seal-Oil
230	115-8578	2	Gasket-Plate
240	110-3762	1	O-Ring
250	115-8624	1	Gasket-Pump, Water
260	115-8522	1	Gasket-Meter, Hour
270	115-8649	1	O-Ring
280	115-8570	1	O-Ring
290	115-8571	1	Gasket
300	98-7428	1	Gasket

Attachments and Accessories

For 30413 Groundsmaster 4100-D Traction Unit

Product Name	Model/Part
Front Plate Service Kit	107-4328
Atomic Blade Service Pack	108-1451
Flat Blade Service Pack (19in)	110-6140
90 Amp Alternator Kit	115-8473
Accessory Wiring Kit	115-8492
Hardtop Sunshade	30359
Deluxe Seat Suspension	30396
Standard Seat Kit	30398
Service Cutting Unit	30418
Leaf Mulcher Kit	30419
Speed Control Kit	30421
Rotary Broom	30426
Flow Divider Kit	30429
Road Light Kit	30442
Air Conditioner Mounting Kit	30444
Air Ride Seat Suspension Kit	30621
Premium Seat Kit	30622
Arm Rest Kit	30707

Notes:



Count on it.