Form No. 3360-831 Rev C

TORO®

Count on it.

Parts Catalog

Groundsmaster® 4000-D

Traction Unit

Model No. 30412—Serial No. 290000111 and Up

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

CE

3360-831 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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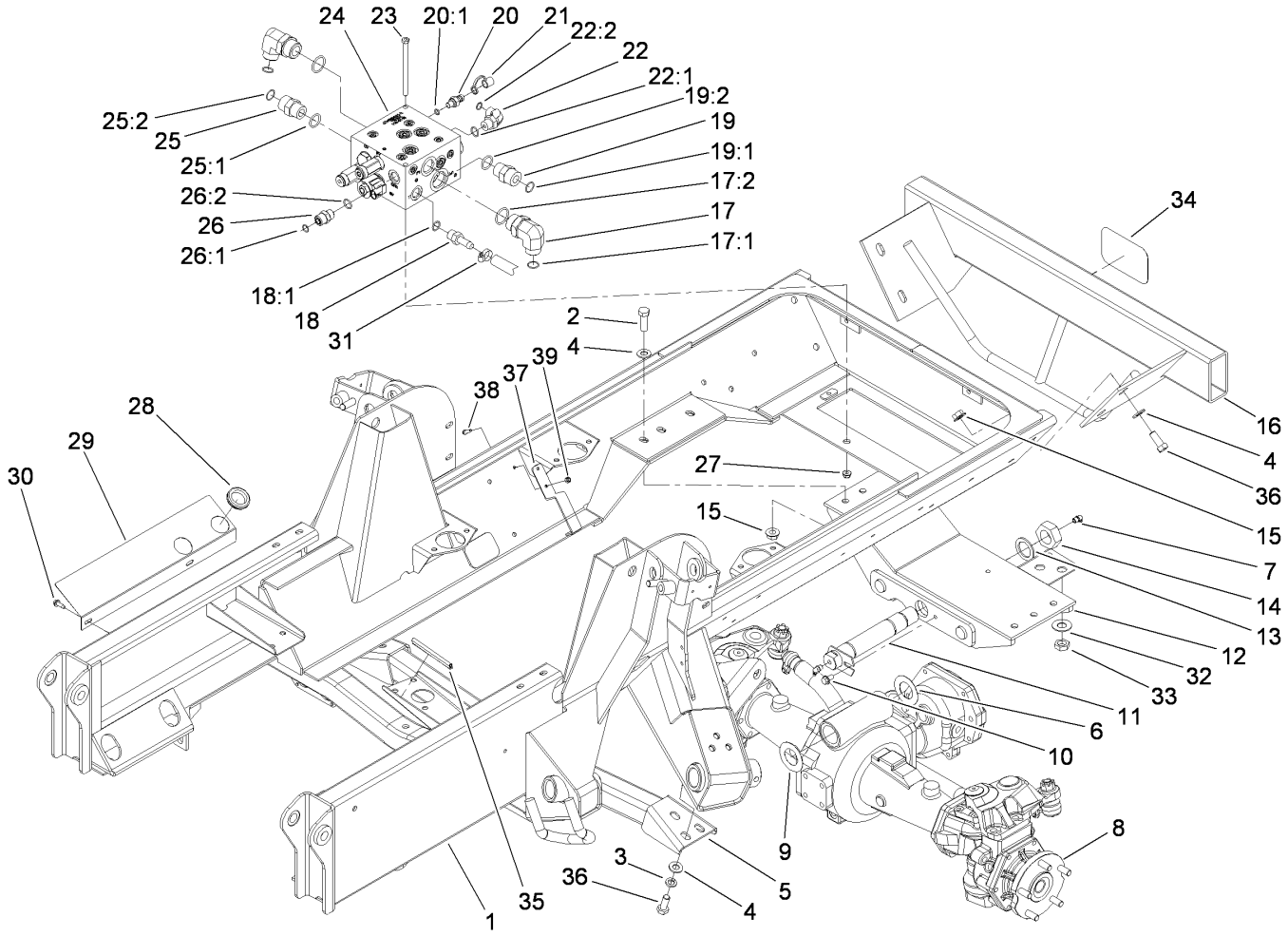
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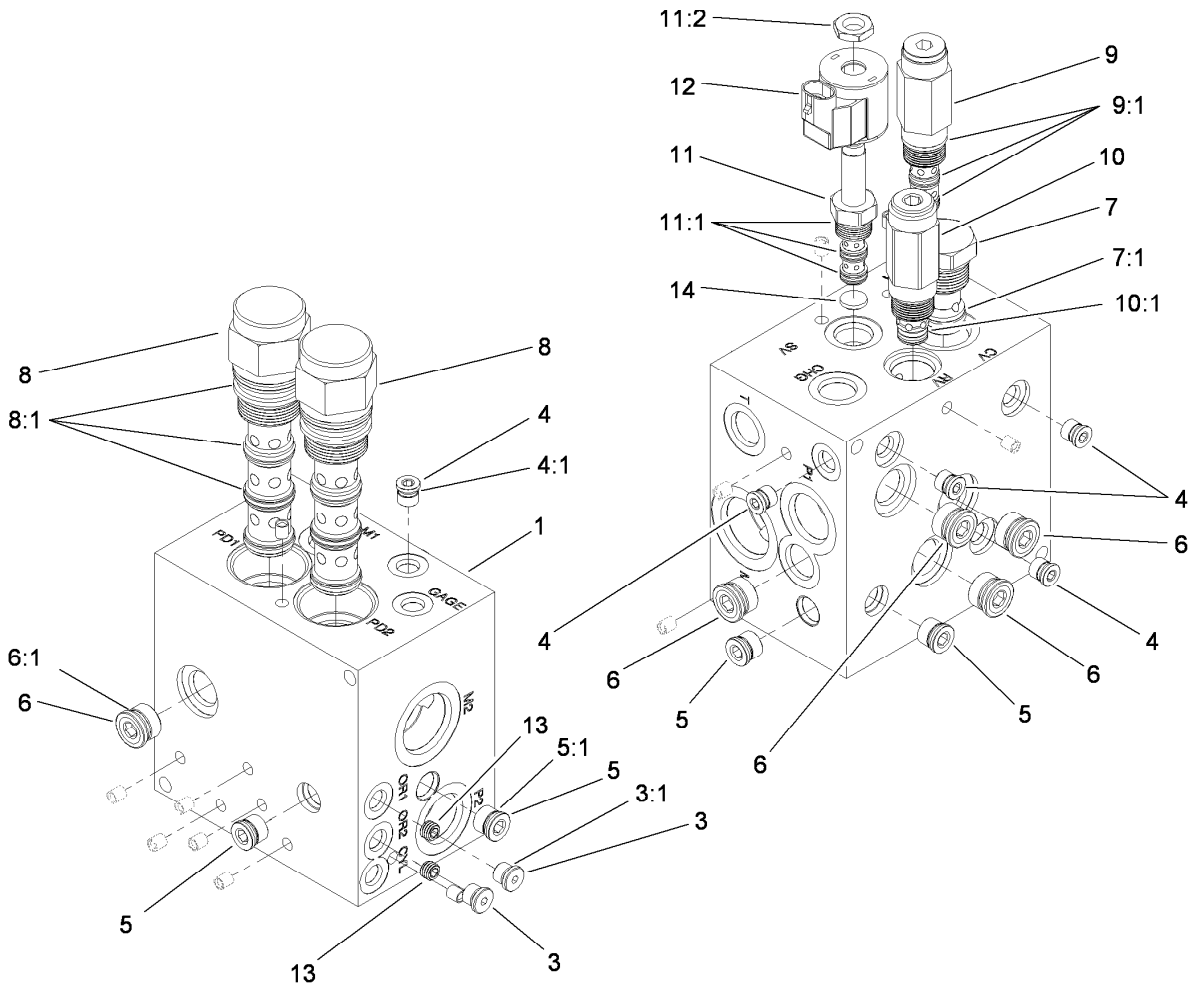
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Frame, Rear Axle Mount and Bumper Assembly

Ref.	Part Number	Qty.	Description
1	99-5450-03	1	Frame
2	325-6	6	Screw-HH
3	3253-7	6	Washer-Lock
4	3256-26	16	Washer-Flat
5	115-3760-03	1	Support-Frame
6	99-8432	2	Washer-Thrust
7	302-33	2	Fitting-Grease
8	110-4750	1	Drive Axle ASM
9	99-8431	2	Washer-Thrust
10	32144-14	1	Screw-HWHTF
11	98-7077	1	Pin-Axle, Rear
12	107-0230-03	1	Mount-Rear
13	92-1765	1	Washer-Thrust
14	3296-68	1	Nut-Lock, NI
15	32128-23	10	Nut-HF
16	104-7505-03	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
20	354-77	1	Fitting-Quick
20:1	237-78	1	O-Ring

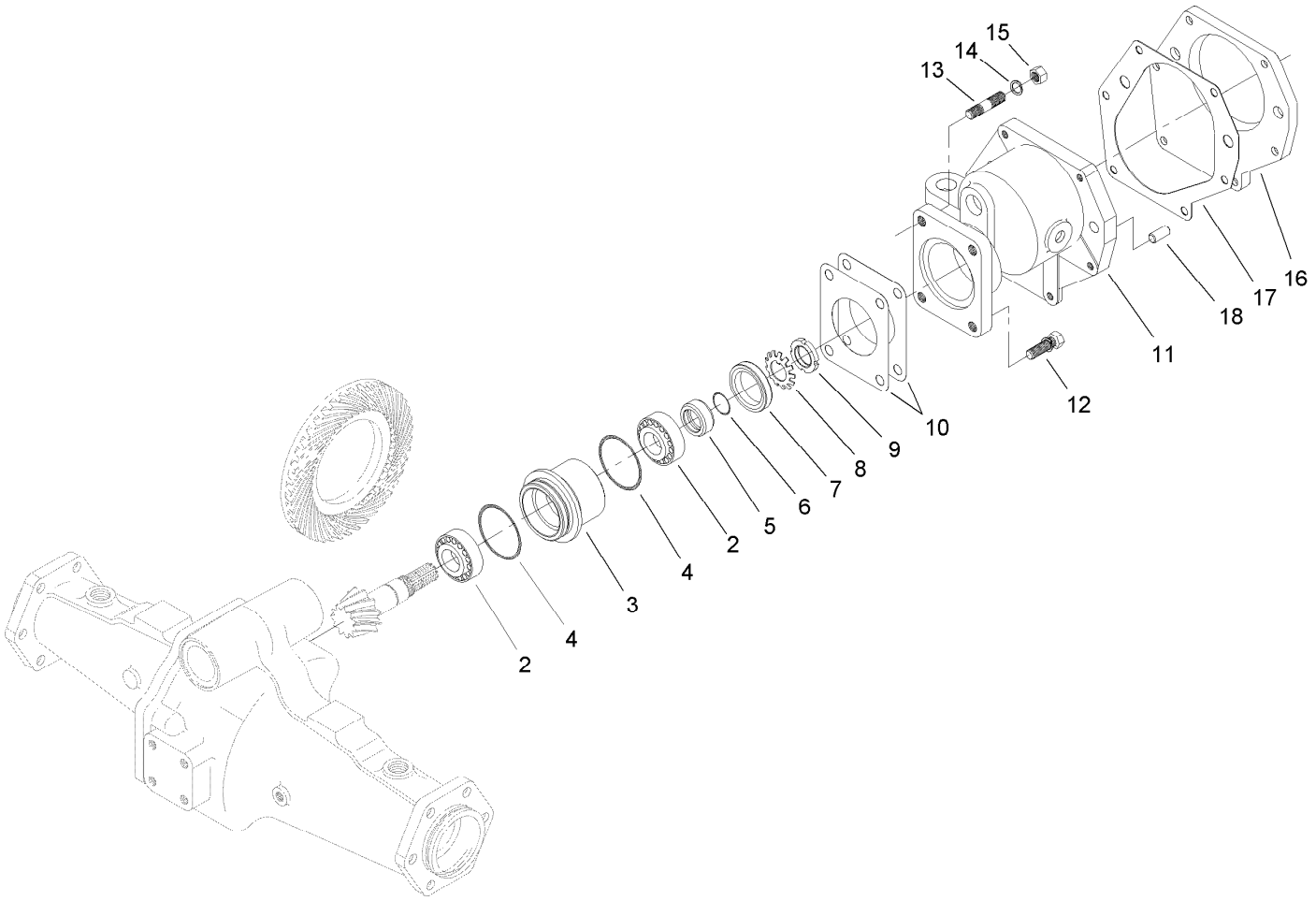
Ref.	Part Number	Qty.	Description
21	354-79	1	Cap-Dust
22	340-98	1	Fitting-Elbow, 90 DEG
22:1	237-79	1	O-Ring
22:2	237-30	1	O-Ring
23	322-29	2	Screw-HH
24	112-9123	1	4-Wheel Drive Manifold ASM
25	340-103	1	Fitting-HYD, 45 DEG
25:1	237-78	1	O-Ring
25:2	237-21	1	O-Ring
26	340-4	1	Fitting-Straight
26:1	237-30	1	O-Ring
26:2	237-79	1	O-Ring
27	104-8300	2	Nut-HF, NI
28	240-3	2	Grommet-Rubber
29	104-3562-03	1	Shield-Splash
30	32104-95	2	Screw-HWH
31	2412-36	1	Clamp-Hose
32	69-8940	2	Washer
33	340-70	2	Nut-Lock
34	67-1300	1	Decal
35	108-8079	2	Trim
36	325-5	10	Screw-HH
37	115-8485	1	Clamp-Hose
38	3290-126	2	Screw-HWH
39	3296-2	2	Nut-Lock, NI



4-Wheel Drive Manifold Assembly No. 112-9123

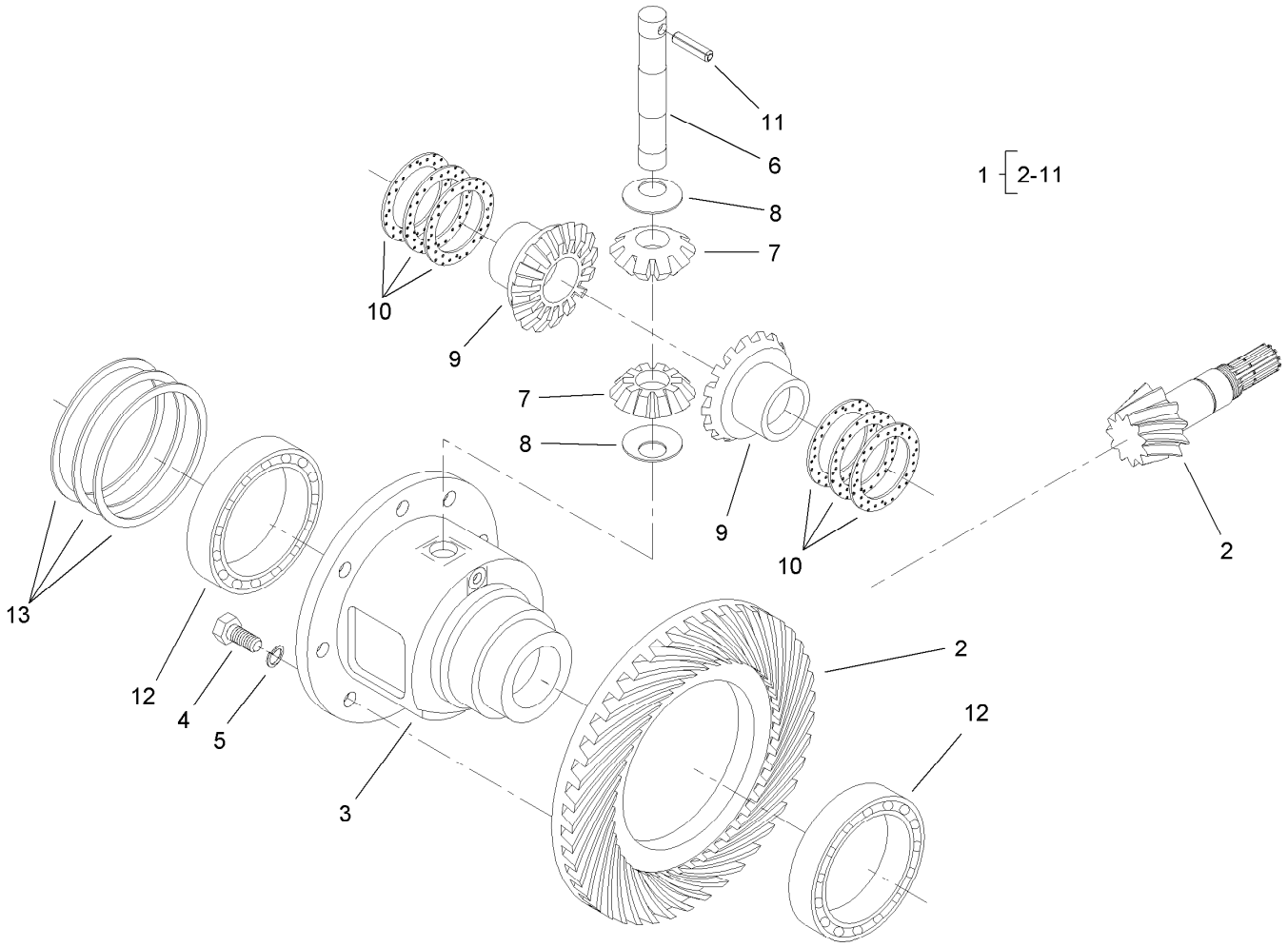
Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold Block ●
3	353-990	2	Plug ASM
3:1	237-78	1	O-Ring
4	106-1025	5	Plug-HYD
4:1	237-78	1	O-Ring
5	106-1026	4	Plug-HYD
5:1	237-42	1	O-Ring
6	106-1027	5	Plug-HYD
6:1	237-79	1	O-Ring
7	110-0468	1	Valve-Check, 5 PSI
7:1	110-0470	1	Seal Kit
8	110-0491	2	Valve-Directional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



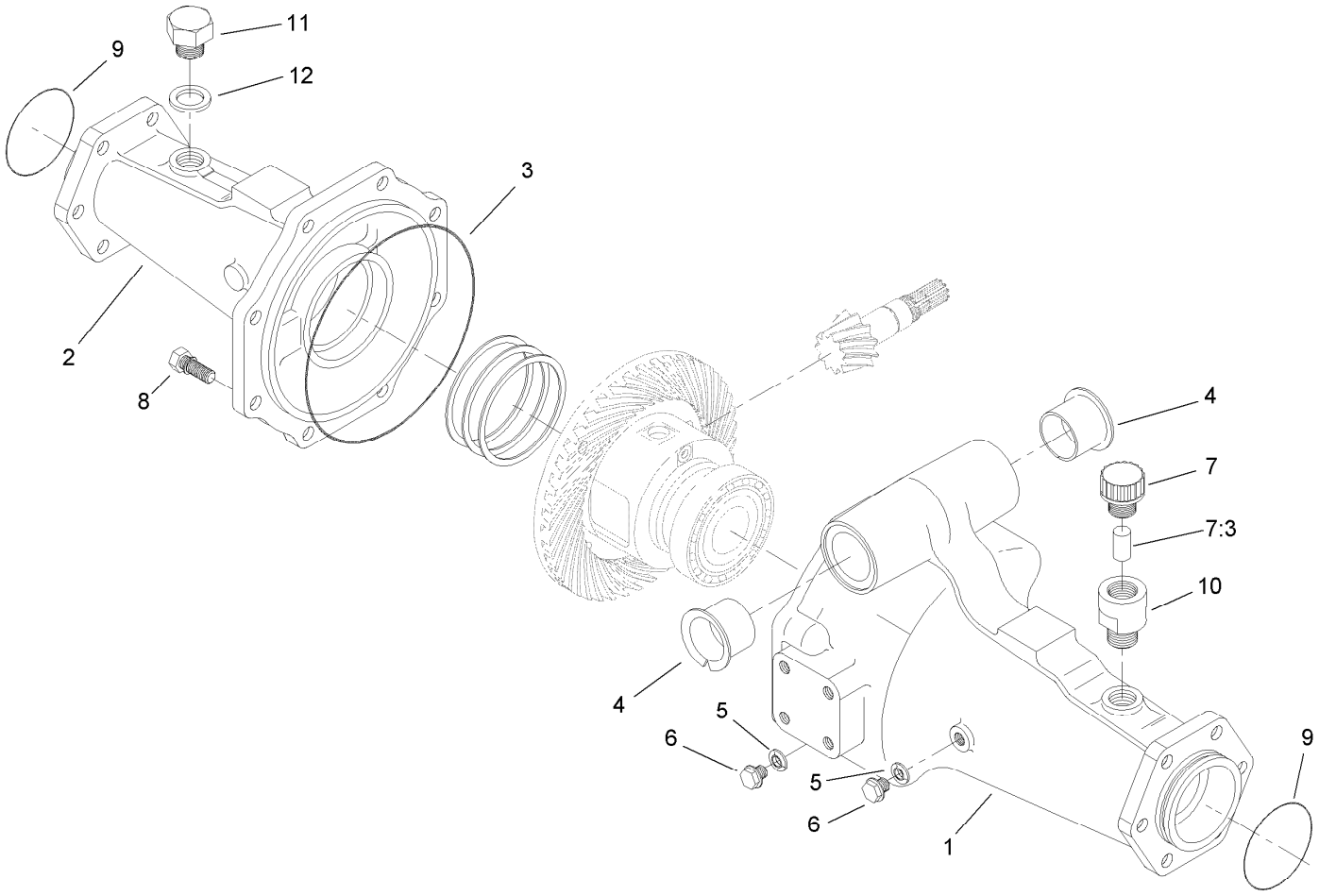
Bevel Pinion Shaft Assembly
Rear Axle Assembly No. 110-4750

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



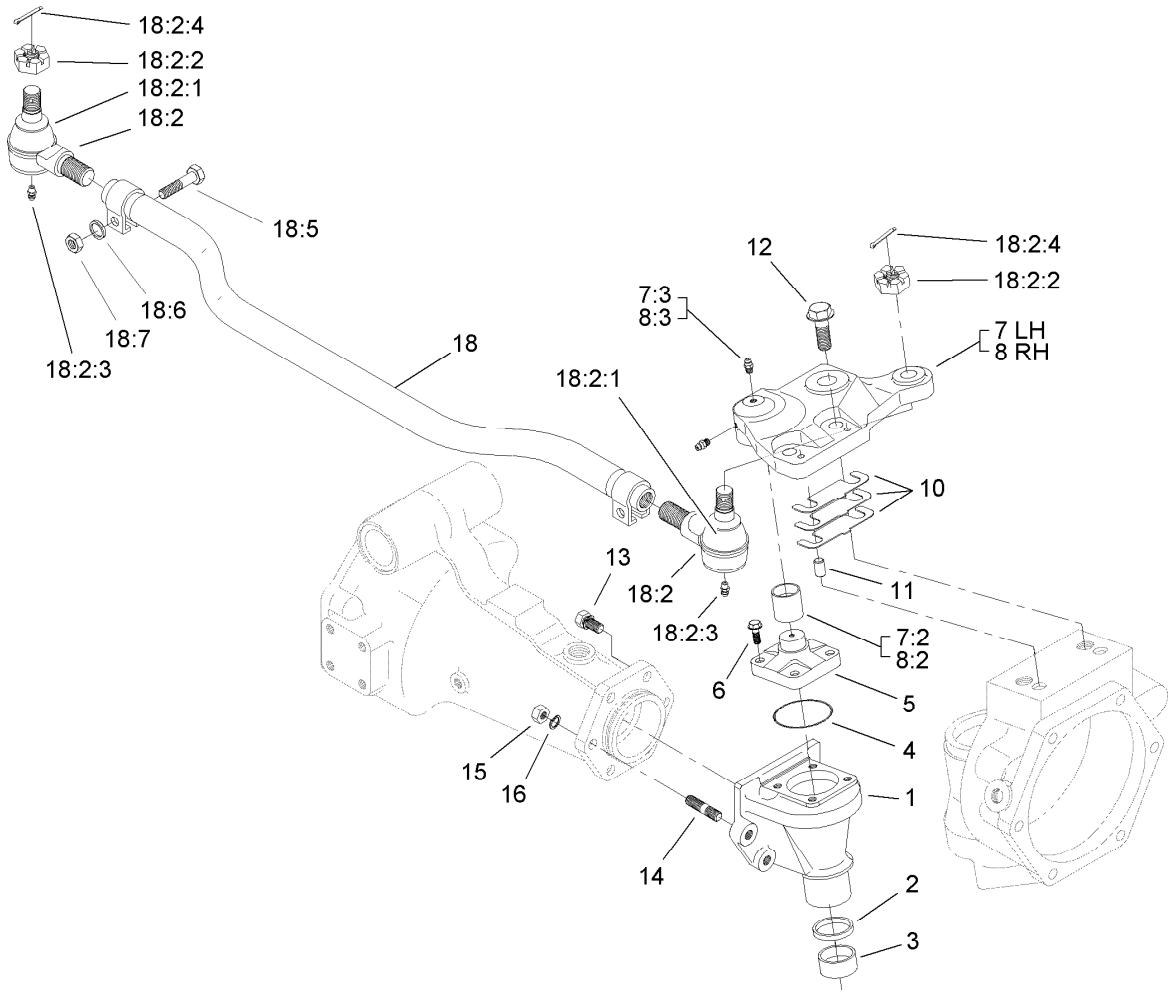
Differential Assembly
Rear Axle Assembly No. 110-4750

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

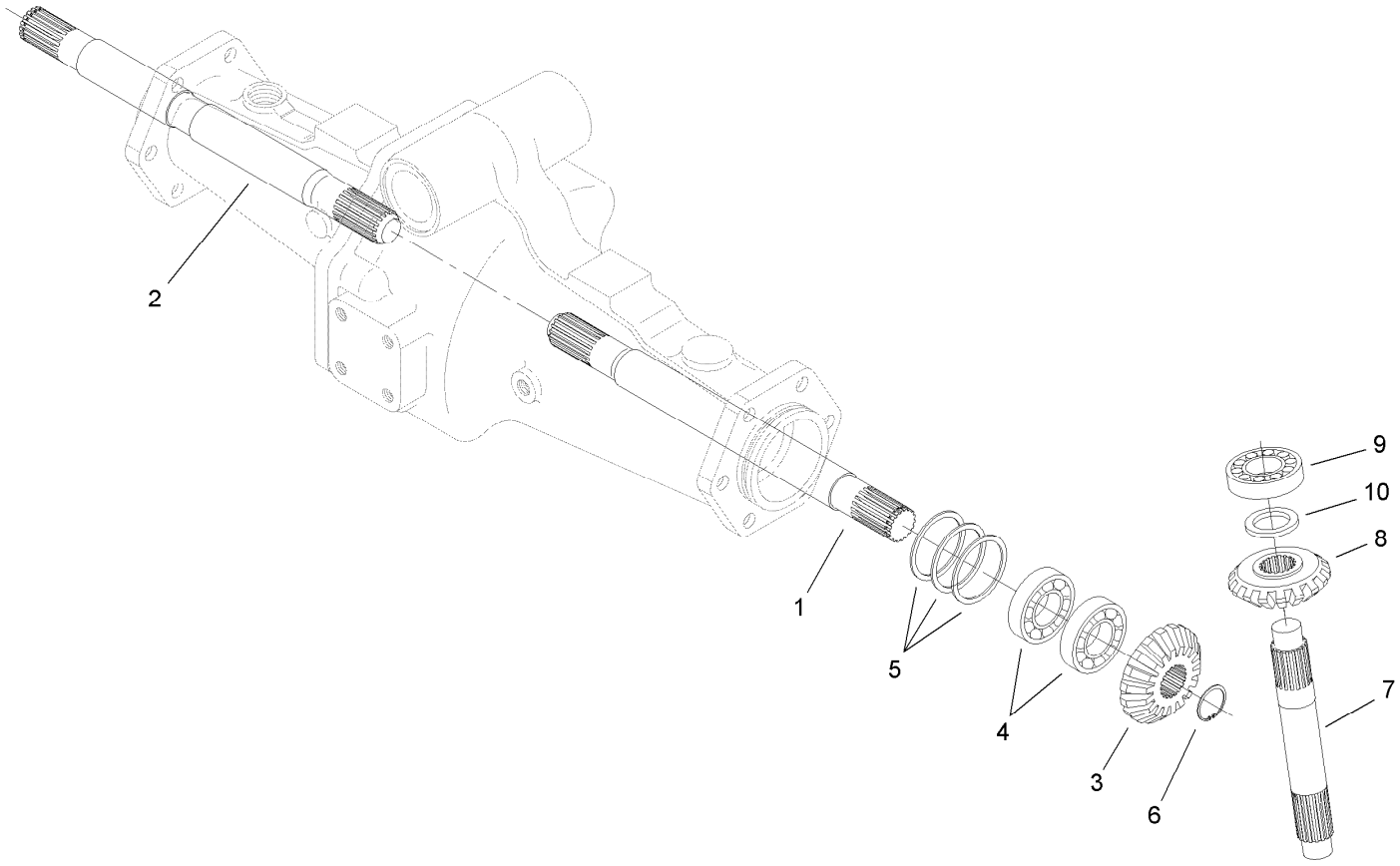
Ref.	*Part Number*	*Qty.*	*Description*
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	106-1067	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7590	2	Washer-Seal
6	99-7589	2	Plug
7	110-4812	1	Axle Vent ASM
7:3	110-4815	1	Insert-Filter, Foam
8	99-7592	8	Bolt
9	106-1068	2	O-Ring
10	104-2377	1	Extension-Vent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



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

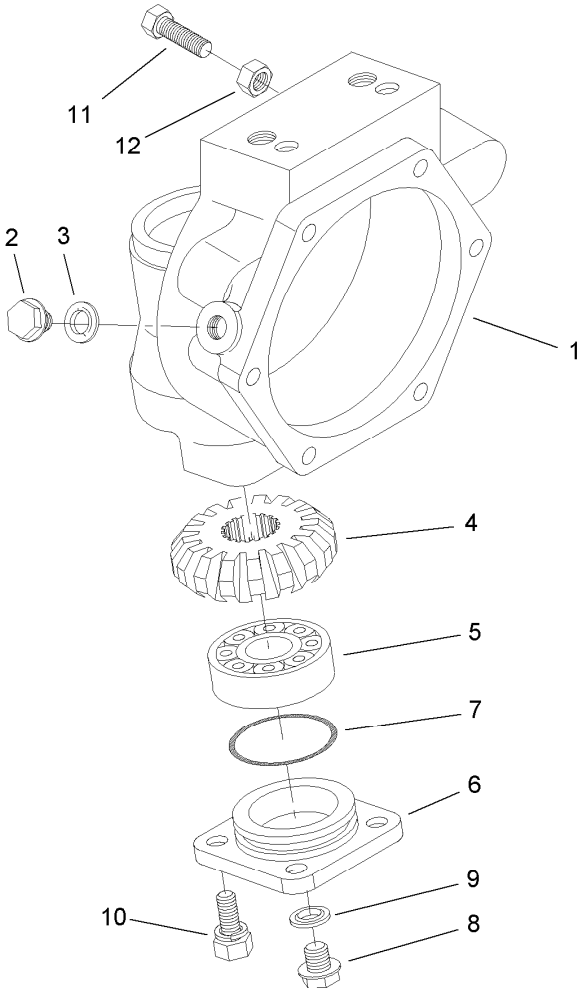
Ref.	Part Number	Qty.	Description
1	110-4752	2	Case-Gear, Bevel
2	110-4754	2	Seal-Oil
3	104-2378	2	Bushing
4	106-1069	2	O-Ring
5	104-2373	2	Knuckle
6	104-2374	8	Bolt
7	100-3768	1	LH Steering Arm ASM
7:2	104-8634	1	Bushing
7:3	106-1104	2	Fitting-Grease
8	100-3766	1	RH Steering Arm ASM
8:2	104-8634	1	Bushing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



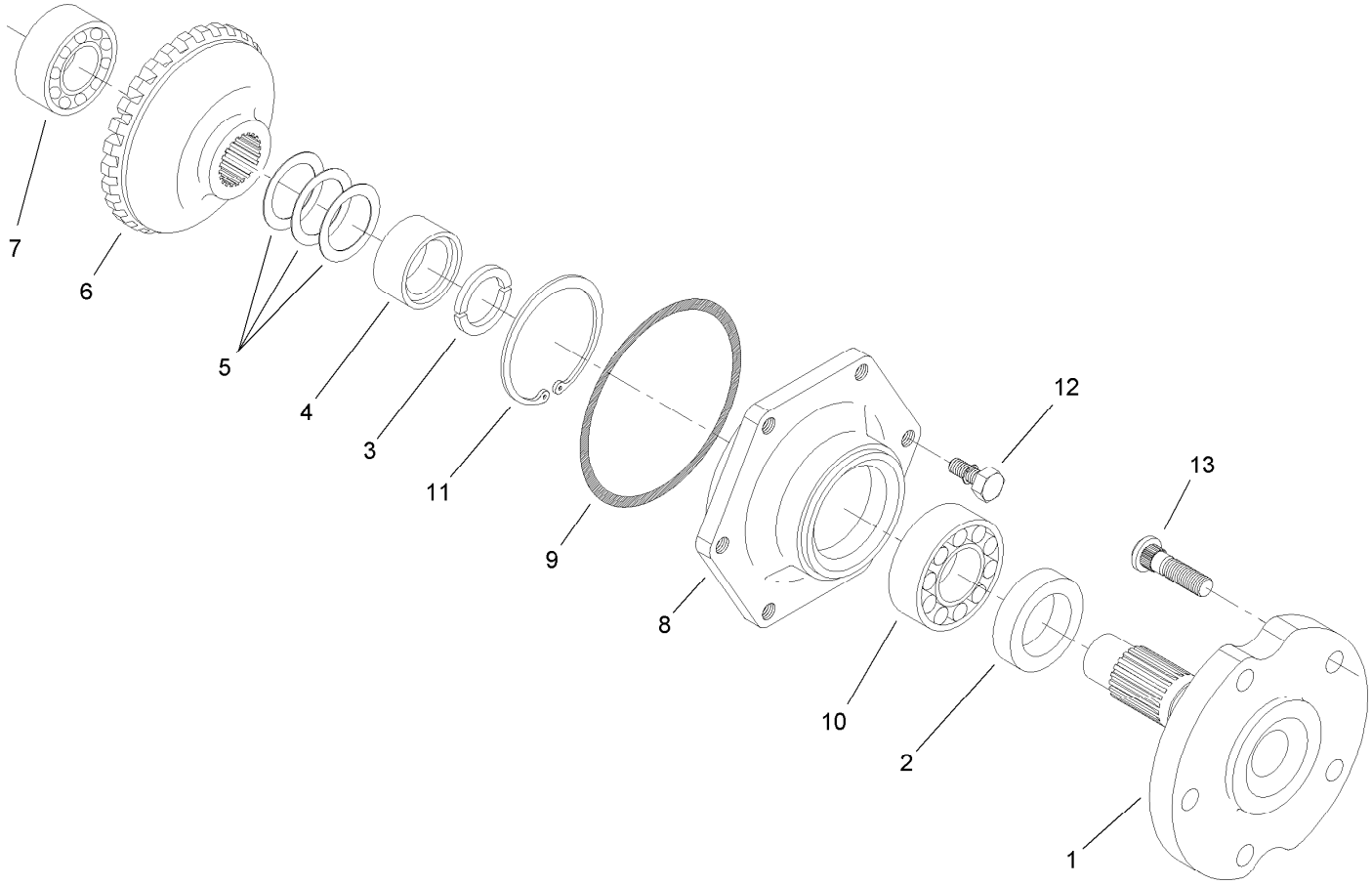
Bevel Gear Shaft Assembly
Rear Axle Assembly No. 110-4750

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



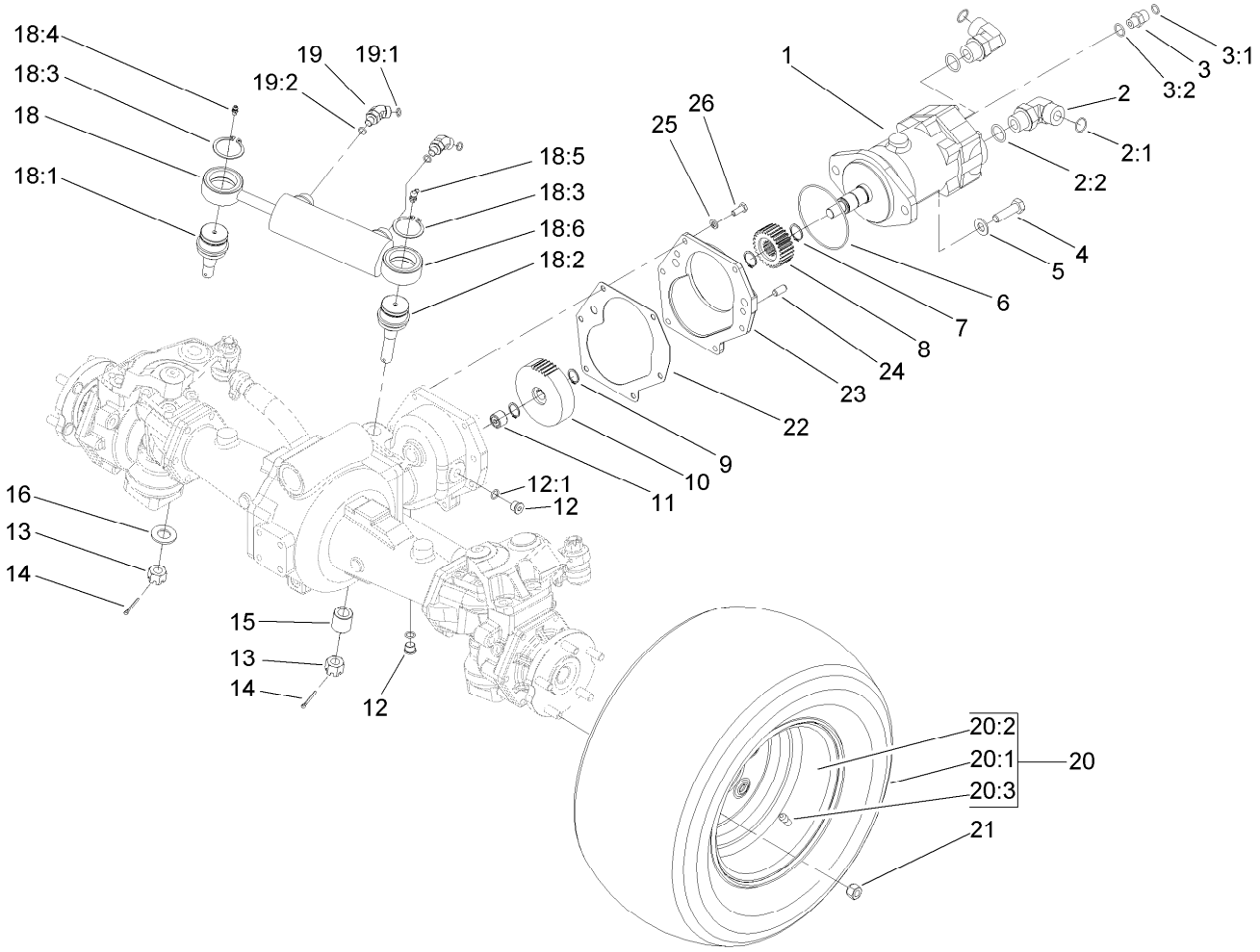
Axle Case Assembly
Rear Axle Assembly No. 110-4750

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

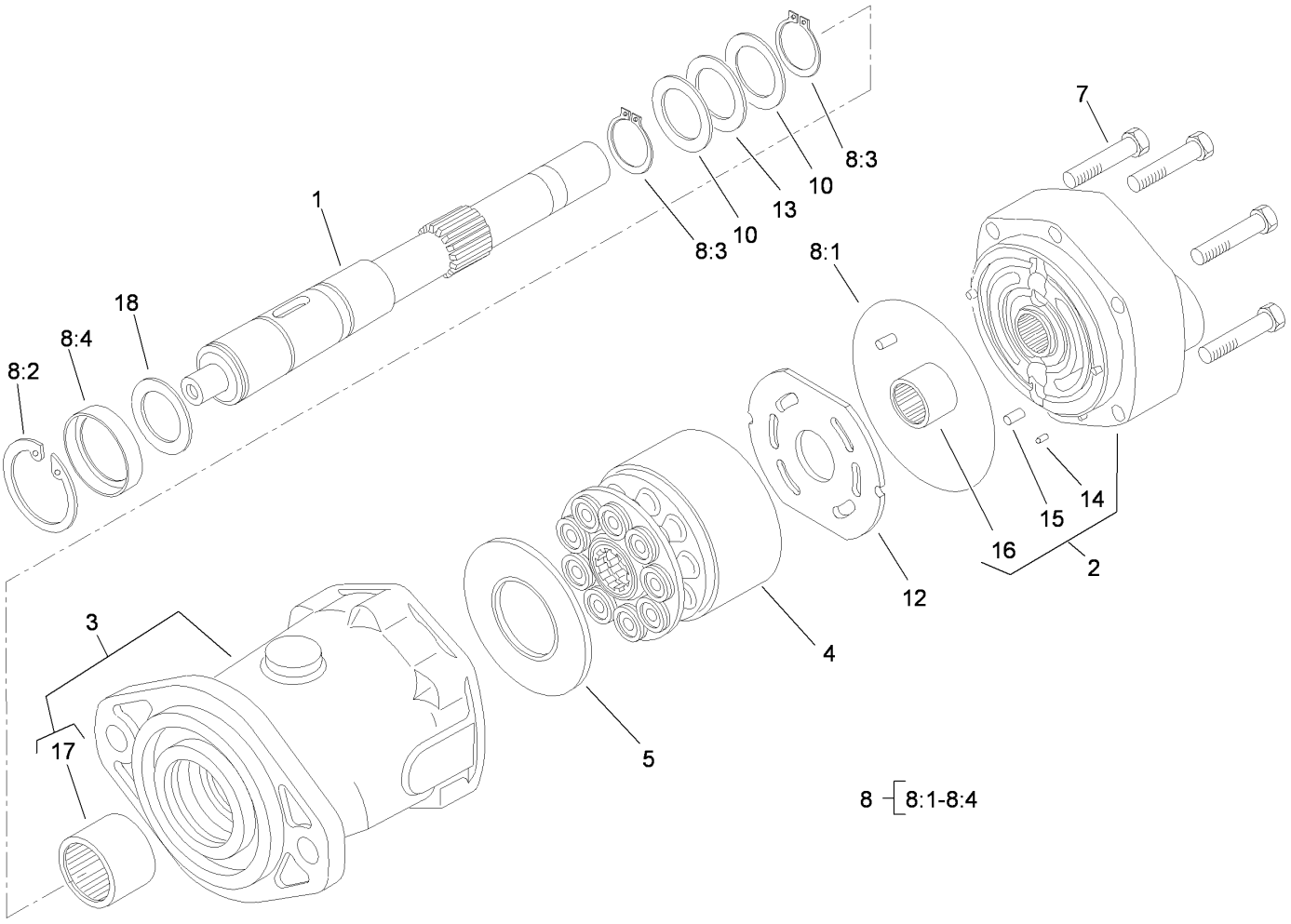


4 Wheel Drive Rear Axle and Tire Assembly

Ref.	Part Number	Qty.	Description
1	104-0764	1	Piston Motor ASM
2	340-142	2	Fitting-Elbow-90
2:1	237-58	1	O-Ring
2:2	237-81	1	O-Ring
3	340-2	1	Fitting-Straight
3:1	237-22	1	O-Ring
3:2	237-42	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	104-0755	1	Pinion-27 Tooth
9	32120-15	2	Ring-Snap, EXT
10	100-3053	1	Gear-45 Tooth
11	74-5700	1	Bearing-Needle, Roller
12	353-989	2	Plug-Hex, Hollow
12:1	237-42	1	O-Ring
13	32136-14	2	Nut-Hst
14	3272-12	2	Pin-Cotter
15	100-3796	1	Spacer-Joint, Ball
16	92-5836	1	Washer

Ref.	Part Number	Qty.	Description
18	105-0775	1	Steering Cylinder ASM
18:1	106-6774	1	Joint-Ball
18:2	100-3795	1	Joint-Ball
18:3	32151-104	2	Ring-Retaining, External
18:4	302-5	1	Fitting-Grease
18:5	302-60	1	Fitting-Grease
18:6		1	Cylinder-Steering ●
19	340-54	2	Elbow-45 DEG
19:1	237-22	1	O-Ring
19:2	237-78	1	O-Ring
20		2	Wheel And Tire ASM ●
20:1	94-5236	1	Tire
20:2	100-2582	1	Rim
20:3	232-27	1	Stem-Valve
21	93-5268	10	Nut-Lug
22	106-1140	1	Gasket
23	95-7541	1	Plate-Cover
24	104-2353	2	Pin-Dowel
25	3253-4	6	Washer-Lock
26	33114-020	6	Screw-HH

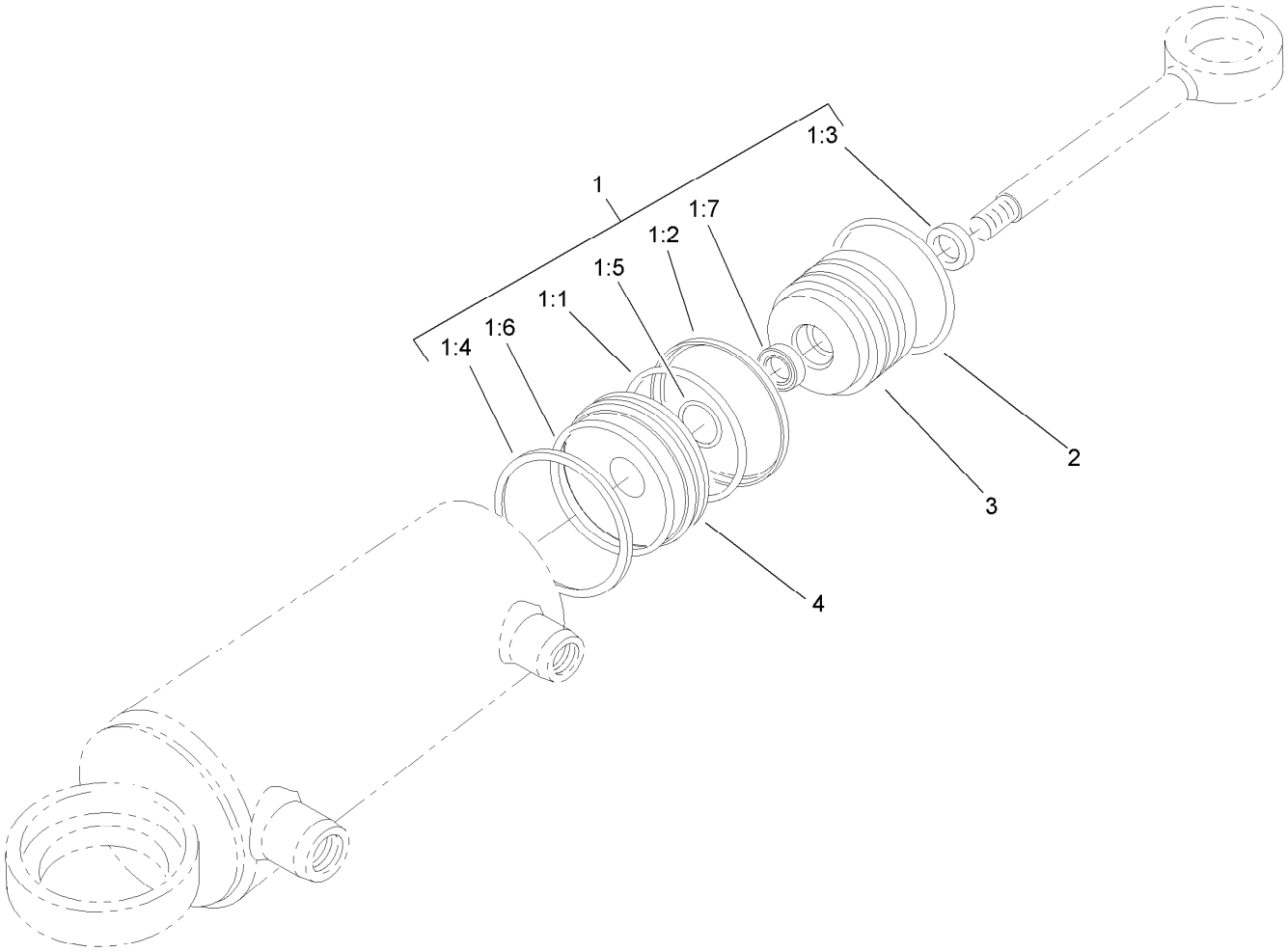
● Not serviced separately



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

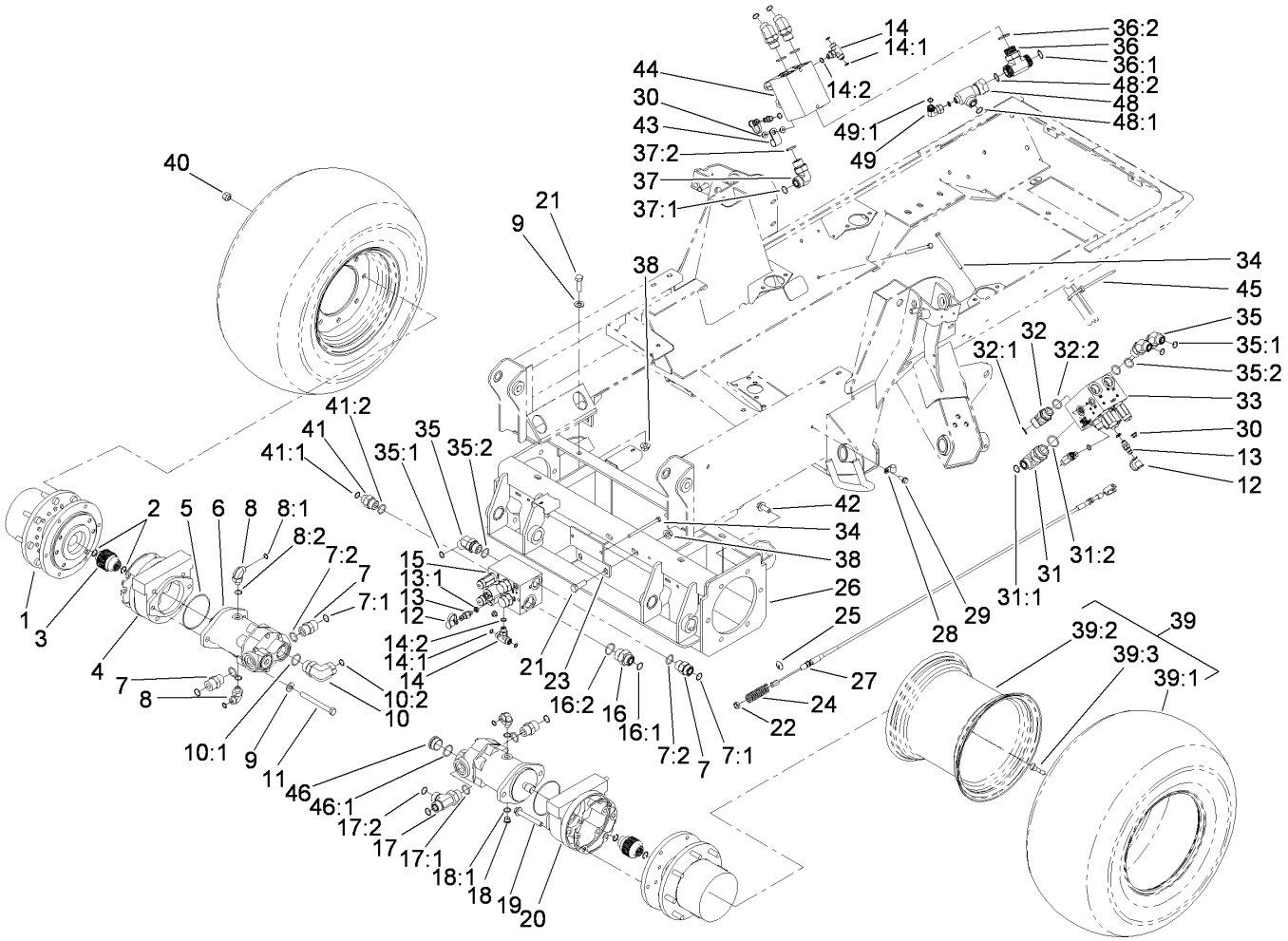
● Not serviced separately



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

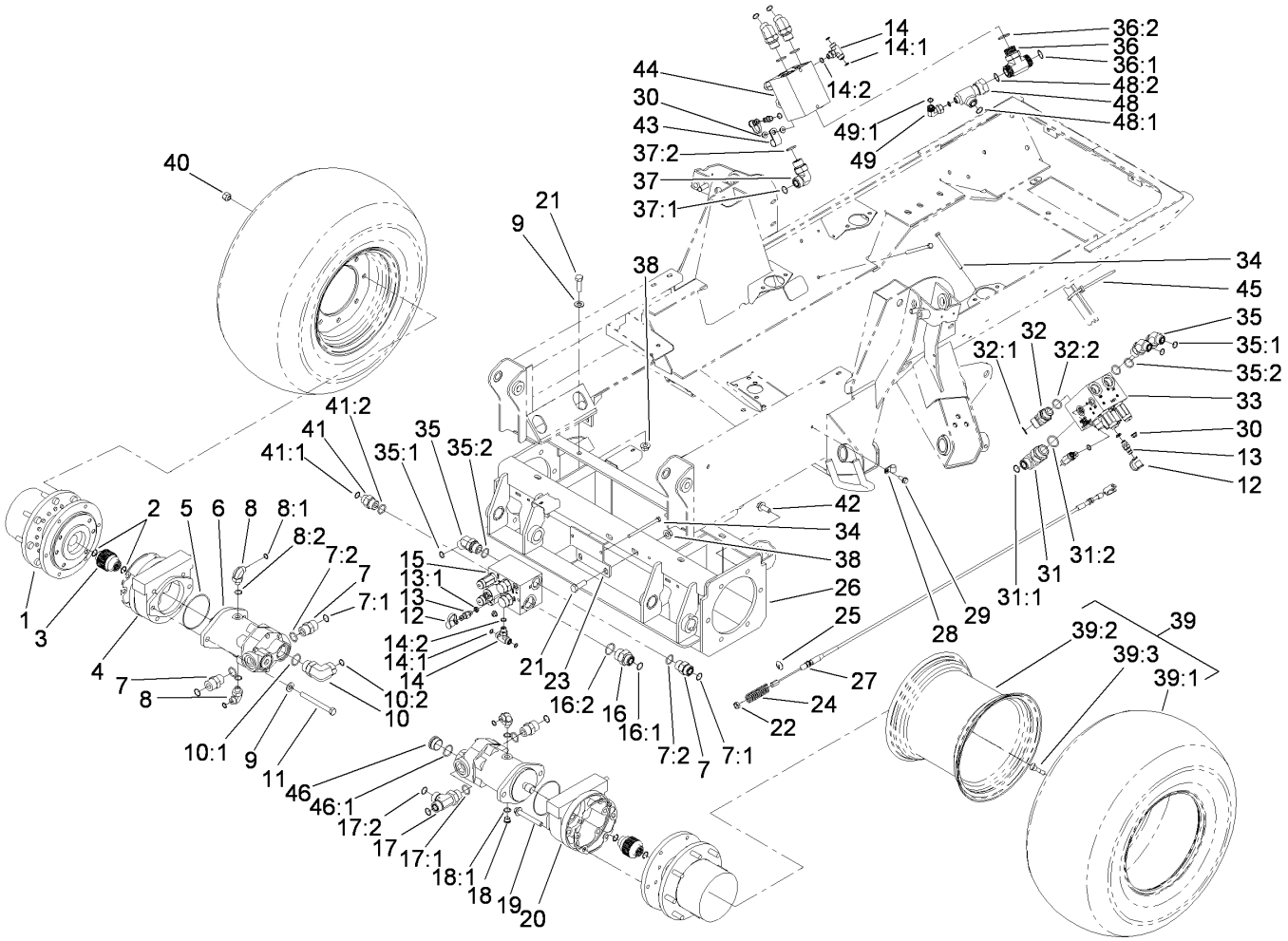


Planetary, Brake and Tire Assembly

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	100-3052	2	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	1	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	3	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	325-6	8	Screw-HH
22	3218-4	2	Nut-Jam
23	104-0746-03	1	Bracket-Manifold
24	94-3088	2	Spring-Compression
25	94-3050	2	Plate-Spring
26	114-9775-03	1	Frame-Front
27	99-5501	2	Brake Cable ASM
28	2412-93	2	Clamp-R
29	32144-11	2	Screw-HWHTF
30	104-8300	7	Nut-HF, NI
31	340-15	1	Fitting-Elbow 90
31:1	237-58	1	O-Ring
31:2	237-146	1	O-Ring
32	100-5530	1	Fitting-45 DEG
32:1	237-58	1	O-Ring
32:2	237-81	1	O-Ring

● Not serviced separately

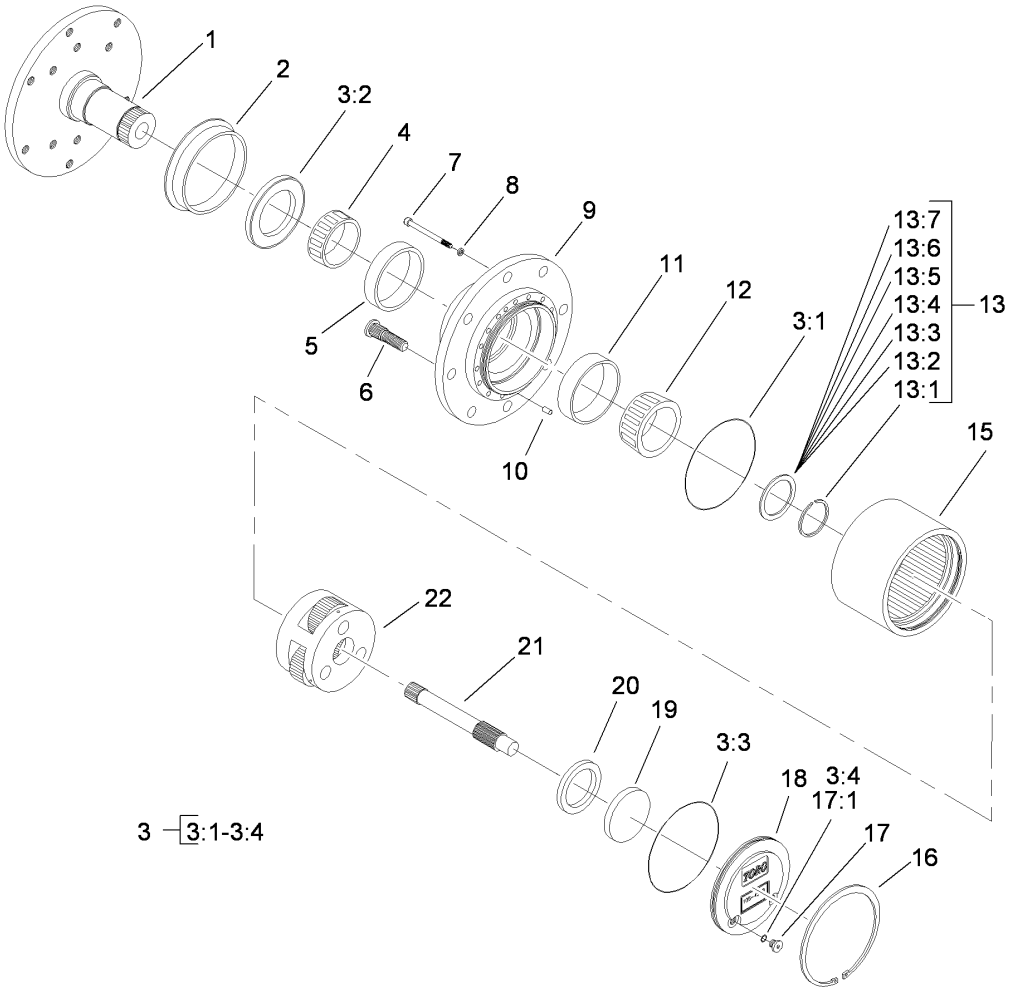


Planetary, Brake and Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
33	115-8469	1	PTO Manifold ASM
34	322-38	6	Screw-HH
35	340-156	5	Fitting-Elbow 45
35:1	237-65	1	O-Ring
35:2	237-81	1	O-Ring
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	32128-23	8	Nut-HF
39		2	Tire And Wheel ASM ●
39:1	99-5434	1	Tire
39:2	99-5432	1	Rim
39:3	232-27	1	Stem-Valve

Ref.	Part Number	Qty.	Description
40	242-50	16	Nut-Lug
41	340-8	1	Fitting-Straight
41:1	237-65	1	O-Ring
41:2	237-81	1	O-Ring
42	33106-030	12	Screw-HHF
43	2412-81	1	Clamp-R
44	115-8468	1	PTO Manifold ASM
45	3290-378	3	Tie-Cable
46	106-2030	1	Plug-Hex, Hollow
46:1	237-146	1	O-Ring
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

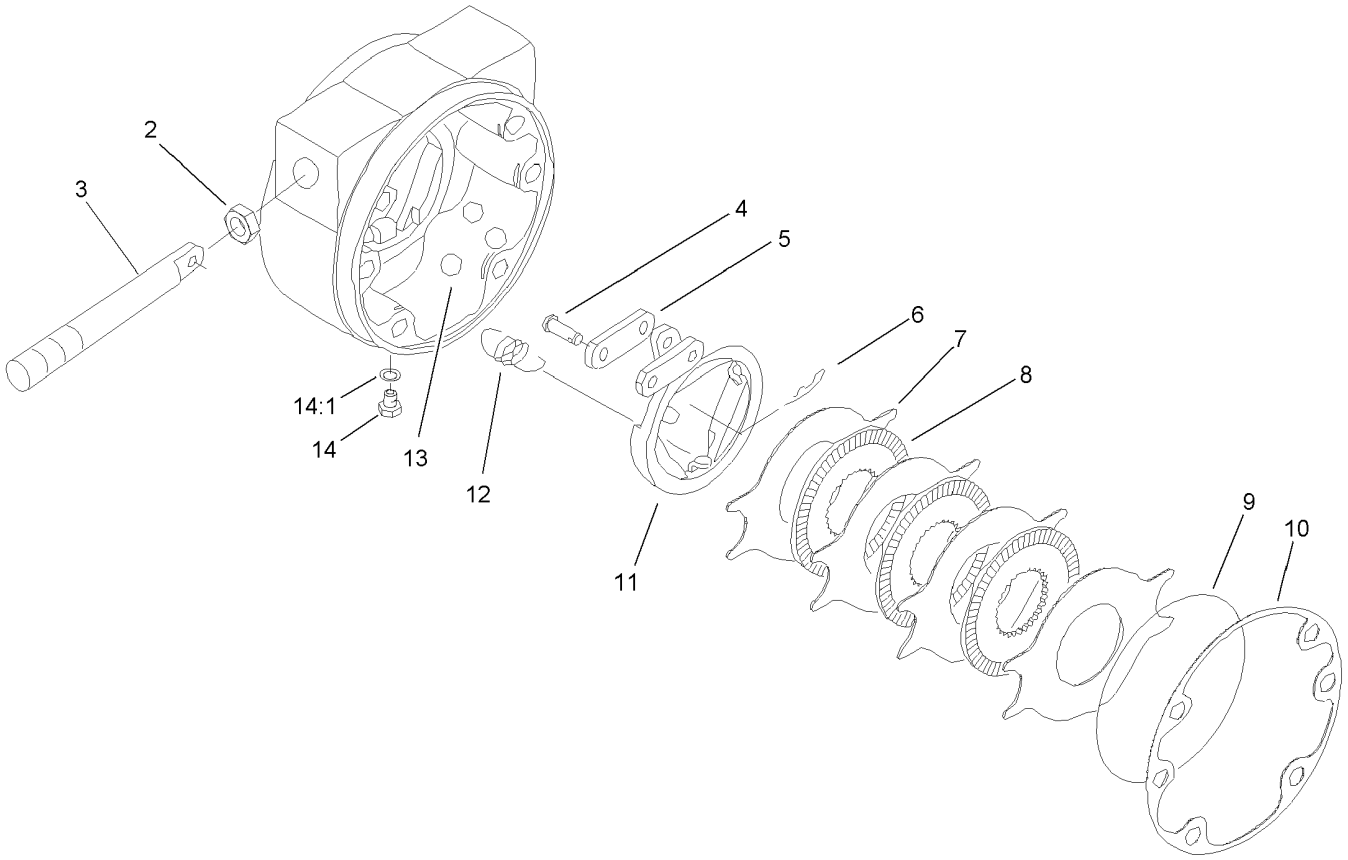


Planetary Assembly No. 105-4588-03

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

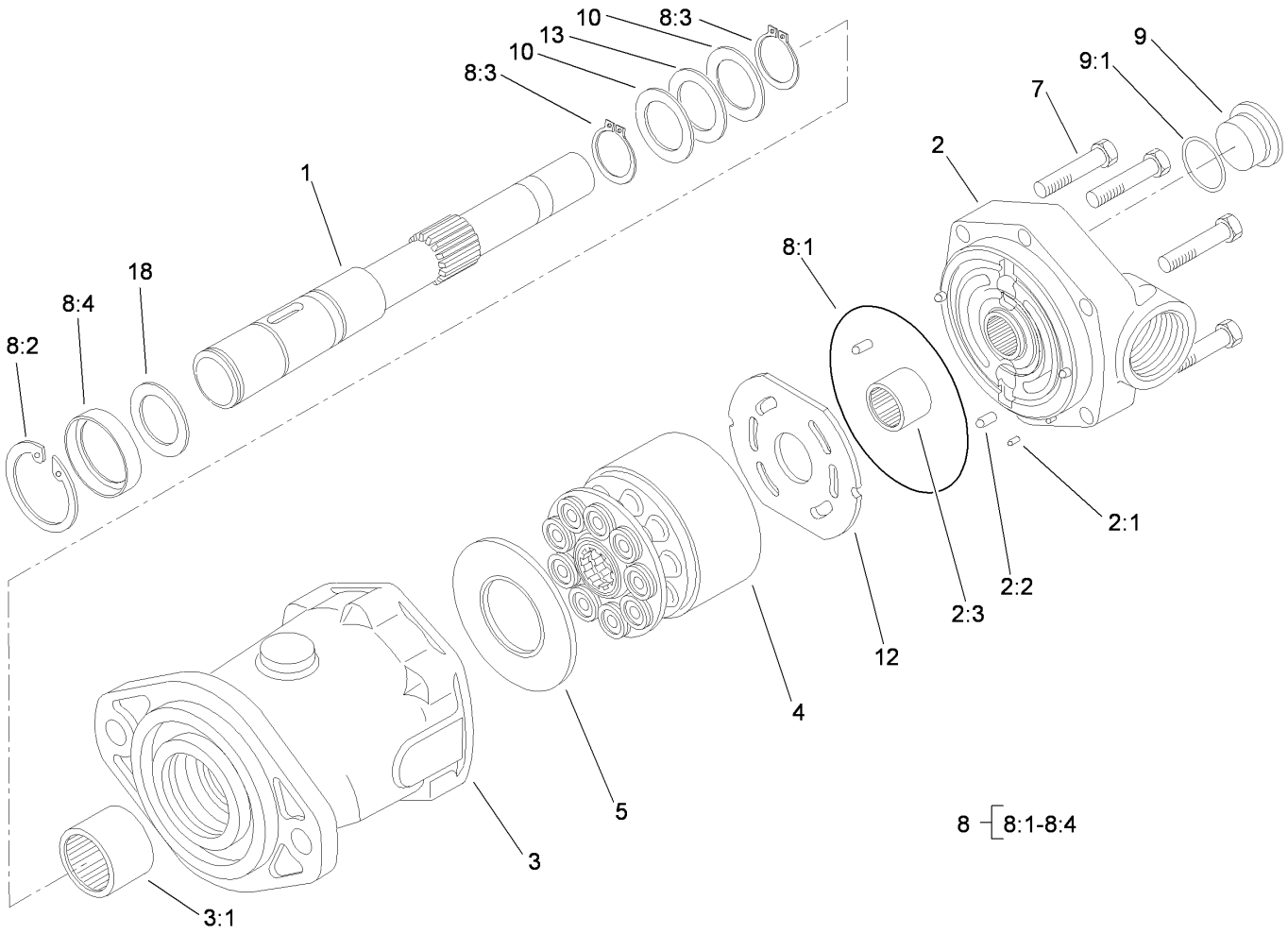
Ref.	Part Number	Qty.	Description
13:1		1	Ring-Snap ●
13:2		1	Shim-Bearing, 2.9Mm ●
13:3		1	Shim-Bearing, 2.8Mm ●
13:4		1	Shim-Bearing, 2.7Mm ●
13:5		1	Shim-Bearing, 2.6Mm ●
13:6		1	Shim-Bearing, 2.5Mm ●
13:7		1	Shim-Bearing, 2.4Mm ●
15	105-8113	1	Gear-Ring
16	105-8132	1	Ring-Retaining
17	353-990	2	Plug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

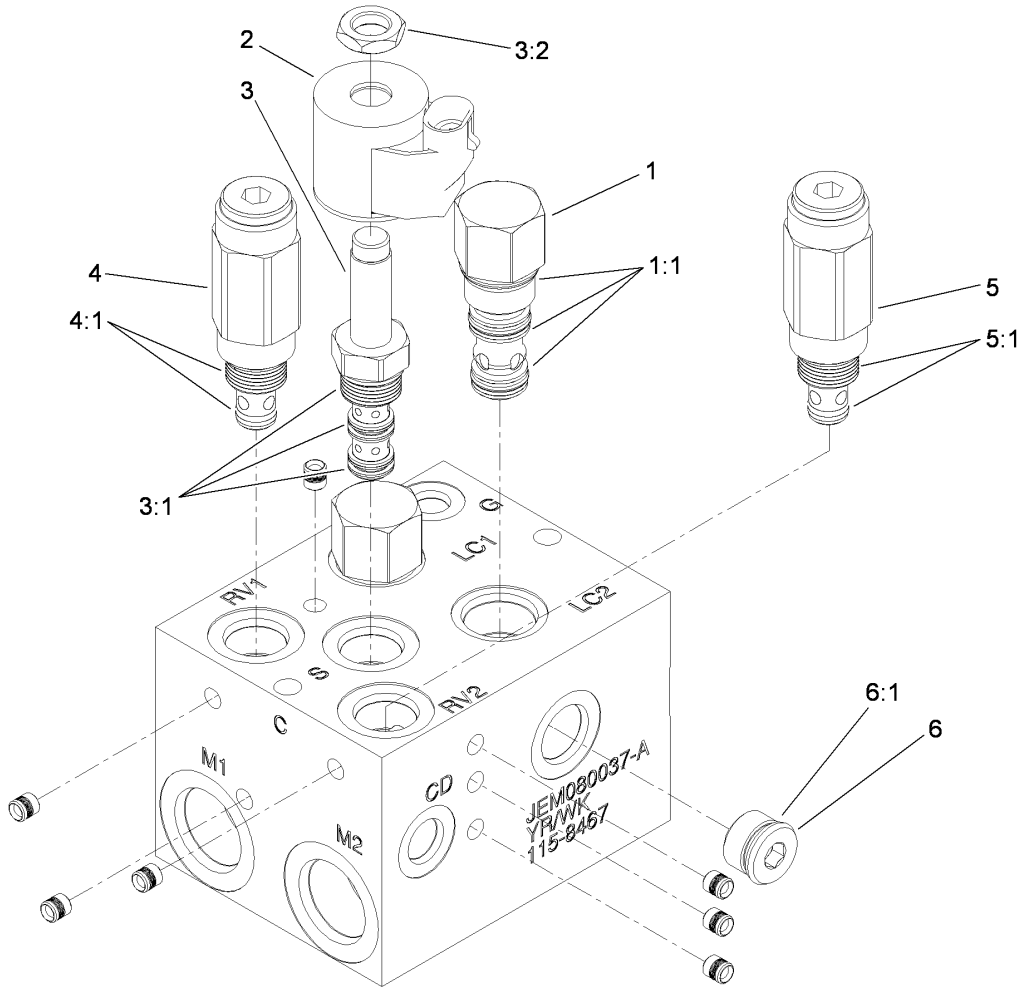
Ref.	*Part Number*	*Qty.*	*Description*
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4280	1	Actuator-Rotating
12	93-7987	3	Spring-Extension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



Piston Motor Assembly No. 100-3052

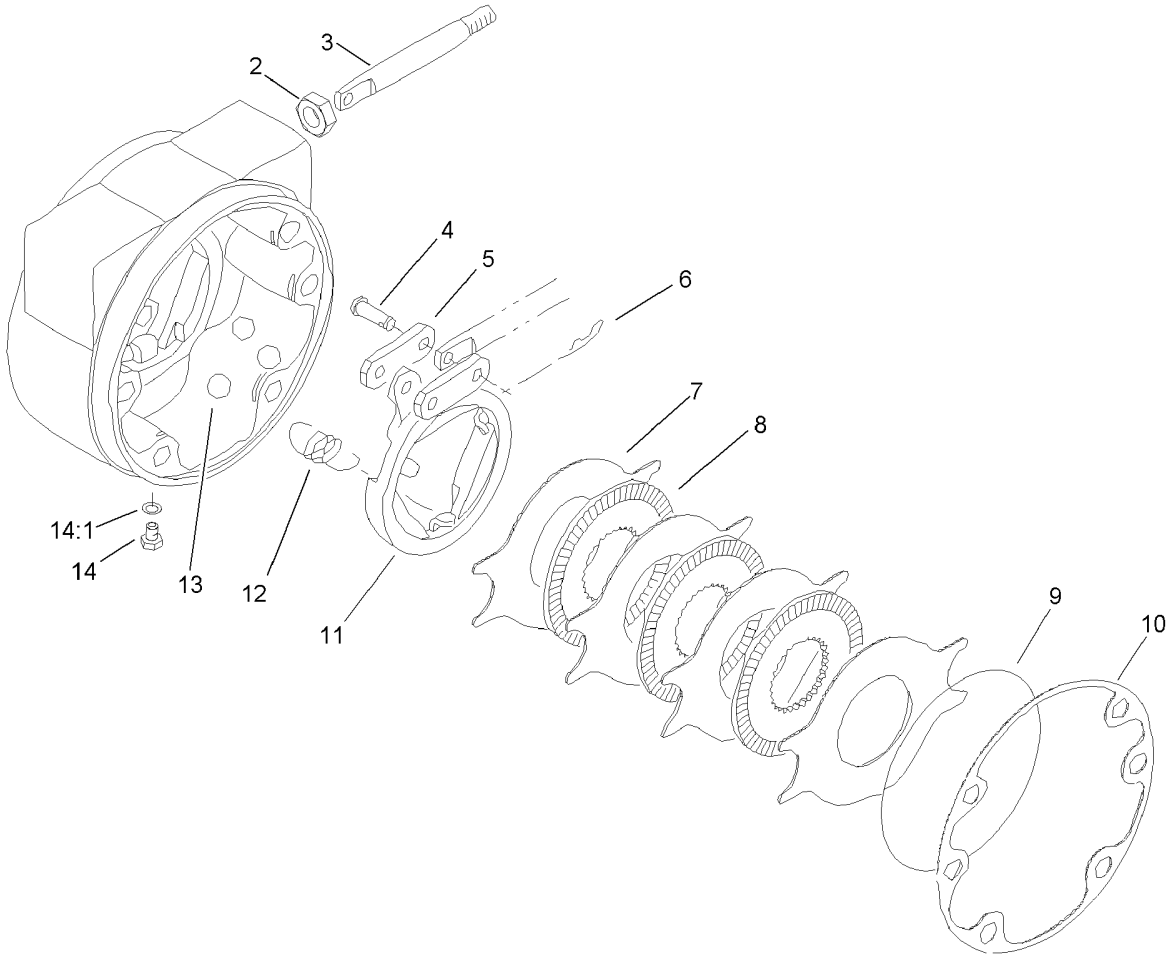
Ref.	*Part Number*	*Qty.*	*Description*
1	94-3004	1	Shaft-Drive, Splined
2	105-2851	1	Backplate ASM
2:1		3	Pin-Dowel ●
2:2		1	Pin-Dowel ●
2:3		1	Bearing-Needle ●
3	105-2852	1	Housing ASM
3:1		1	Bearing-Needle ●
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
7	94-3002	6	Screw-Cap
8	106-6876	1	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 ●
9	106-2030	1	Plug-Hex, Hollow
9:1	237-146	1	O-Ring
10	60-6160	2	Race
12	94-3003	1	Plate-Valve
13	76-6960	1	Bearing-Thrust
18	60-6240	1	Washer

● Not serviced separately



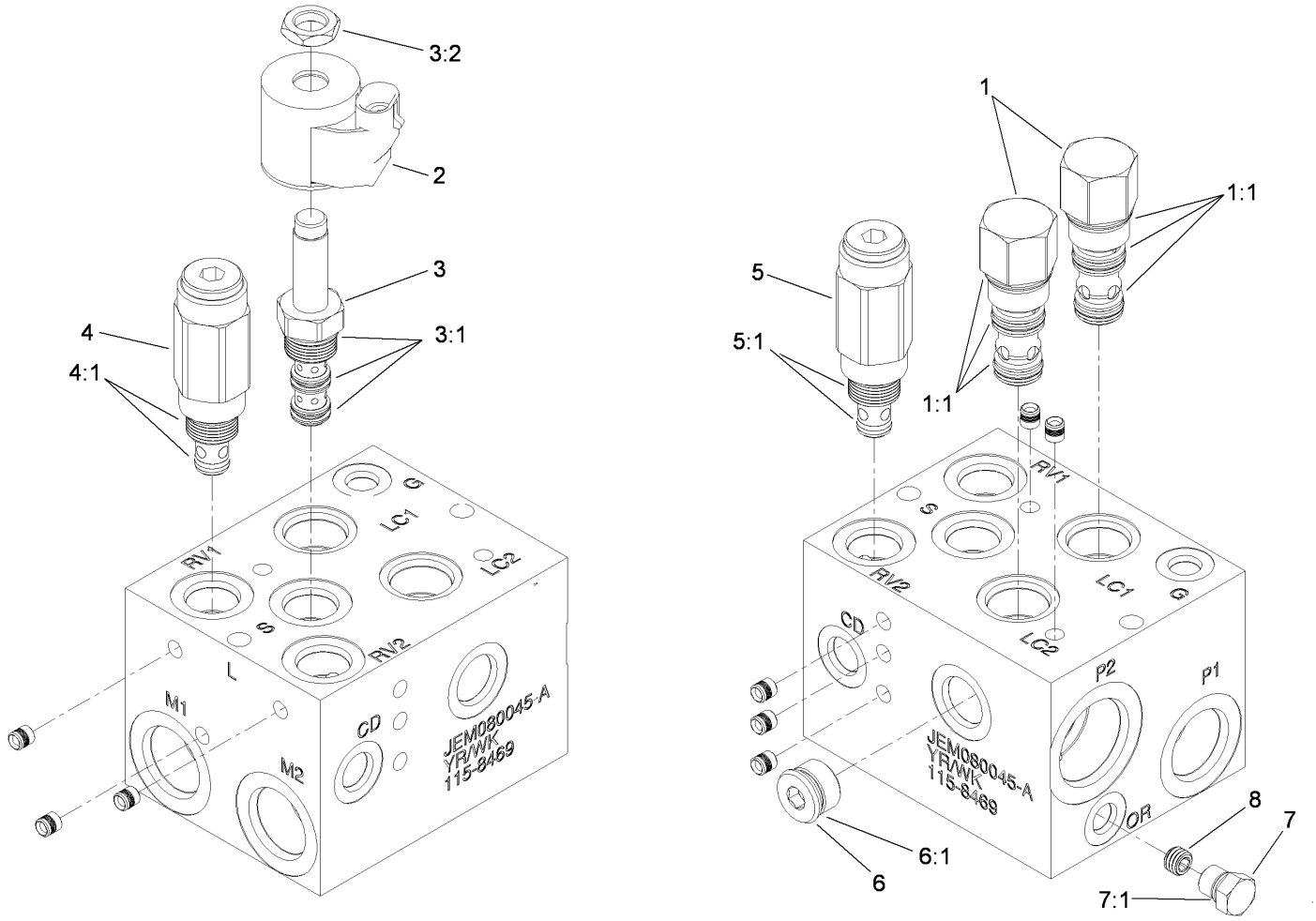
Hydraulic PTO Manifold Assembly No. 115-8467

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



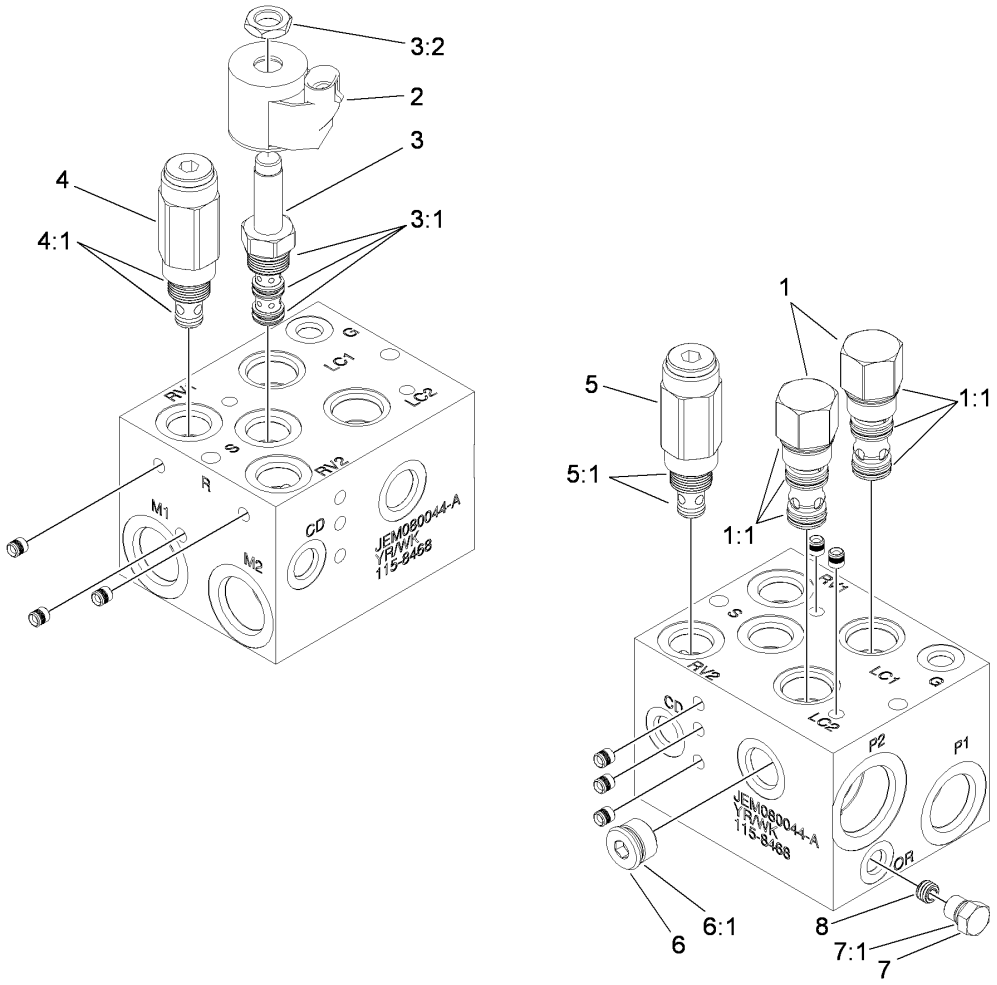
Brake Assembly No. 100-3070-03

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



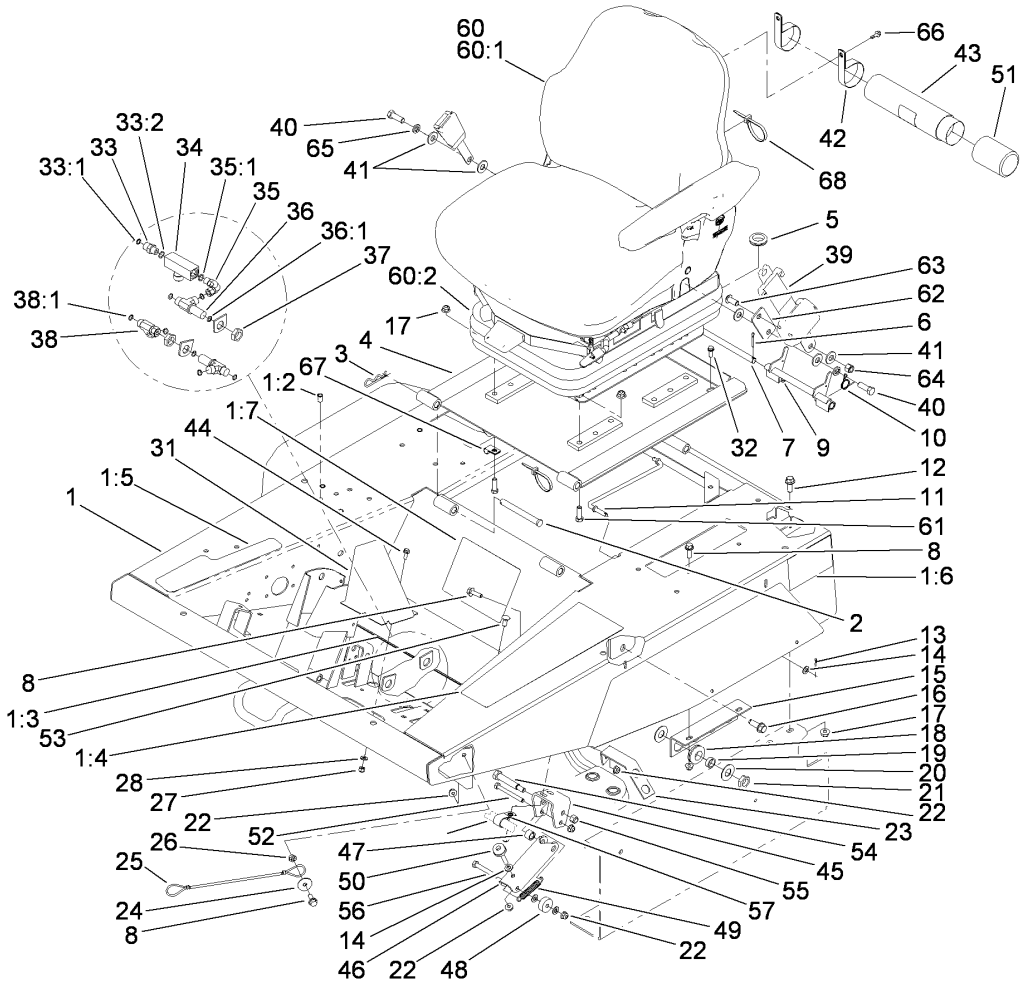
Hydraulic PTO Manifold Assembly No. 115-8469

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)



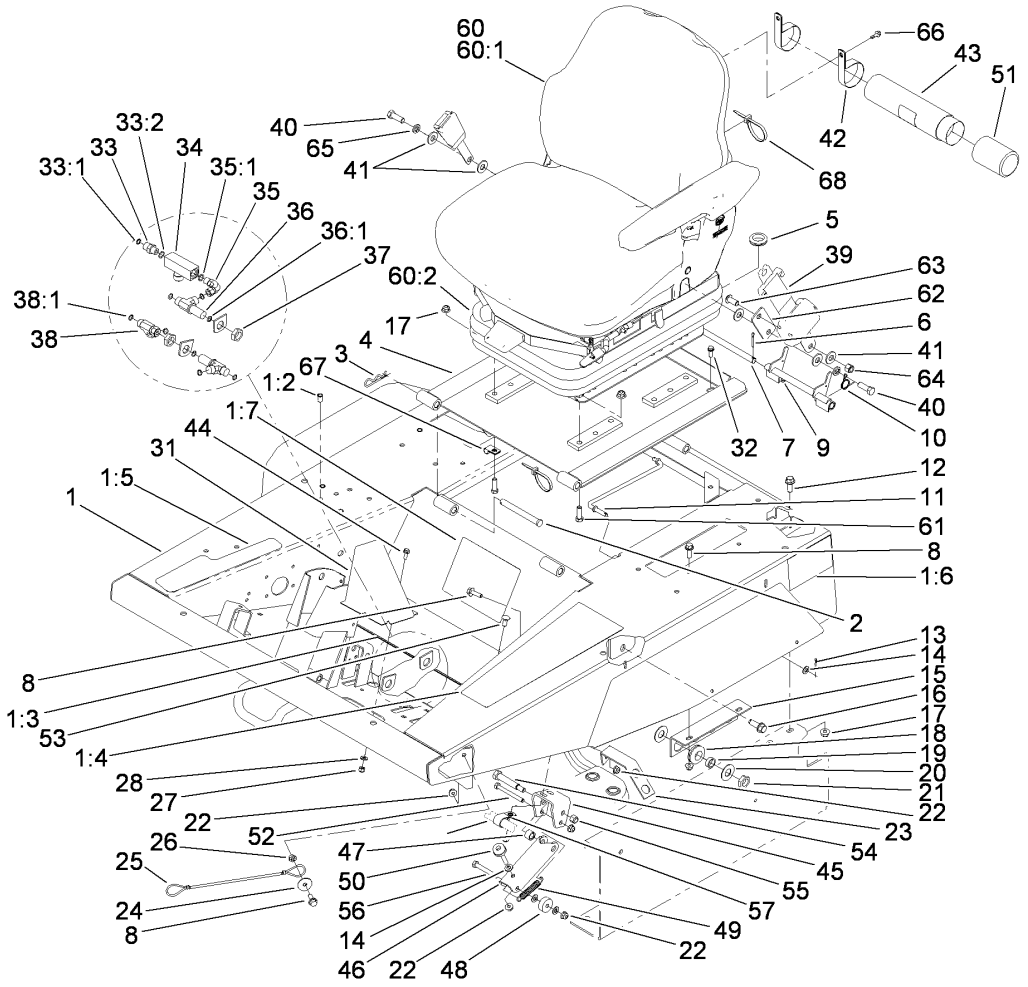
Platform and Seat Base Assembly

Ref.	Part Number	Qty.	Description
1	100-3033	1	Platform ASM
1:2	32148-6	14	Nut-Clinch
1:3	93-5349	2	Abrasive-Floor
1:4	93-5507	1	Abrasive-Platform
1:5	104-3599	1	Decal-Pedal, Traction
1:6	94-8099	2	Decal
1:7	106-6764	1	Decal-Operating Instruction, Ce
2	283-83	2	Pin-Clevis
3	3290-355	2	Pin-Hair
4	100-3060-03	1	Seat Plate ASM
5	240-5	1	Grommet
6	3272-11	2	Pin-Cotter
7	93-5366	1	Shaft-Latch
8	3234-29	4	Screw-HHF
9	93-5363	1	Latch ASM
10	93-5367	1	Spring-Torsion
11	93-5338	1	Rod-Prop
12	3234-42	2	Screw-HHF
13	3272-5	2	Pin-Cotter
14	3256-23	5	Washer-Plain
15	100-3149-03	1	Bracket-Bulkhead
16	32144-67	2	Screw
17	104-8301	6	Nut-HF, NI
18	240-4	4	Grommet-Rubber

Ref.	Part Number	Qty.	Description
19	69-8970	4	Spacer
20	69-8940	8	Washer
21	340-70	4	Nut-Lock
22	104-8300	9	Nut-HF, NI
23	100-5500-03	1	Support
24	3256-57	1	Washer-Flat
25	93-9595	1	Lanyard
26	3218-3	1	Nut-Jam
27	3296-42	2	Nut-Lock, NI
28	3256-22	2	Washer-Flat
31	100-3045-01	1	Cover-Tubes
32	3234-4	1	Screw-HHF
33	340-2	1	Fitting-Straight
33:1	237-22	1	O-Ring
33:2	237-42	1	O-Ring
34	98-9742	1	Valve-Control, Flow
35	340-110	1	Fitting-Swivel, 90 DEG
35:1	237-42	1	O-Ring
36	340-68	2	Fitting-Tee, Bulkhead
36:1	237-22	3	O-Ring
37	340-70	2	Nut-Lock
38	340-115	1	Fitting-Tee, Swivel Nut
38:1	237-22	2	O-Ring
39	110-0413	1	Seatbelt-Retractable
40	3212-5	2	Screw-HH

● Serviced under Model Number 30621

■ Serviced under Model Number 30622

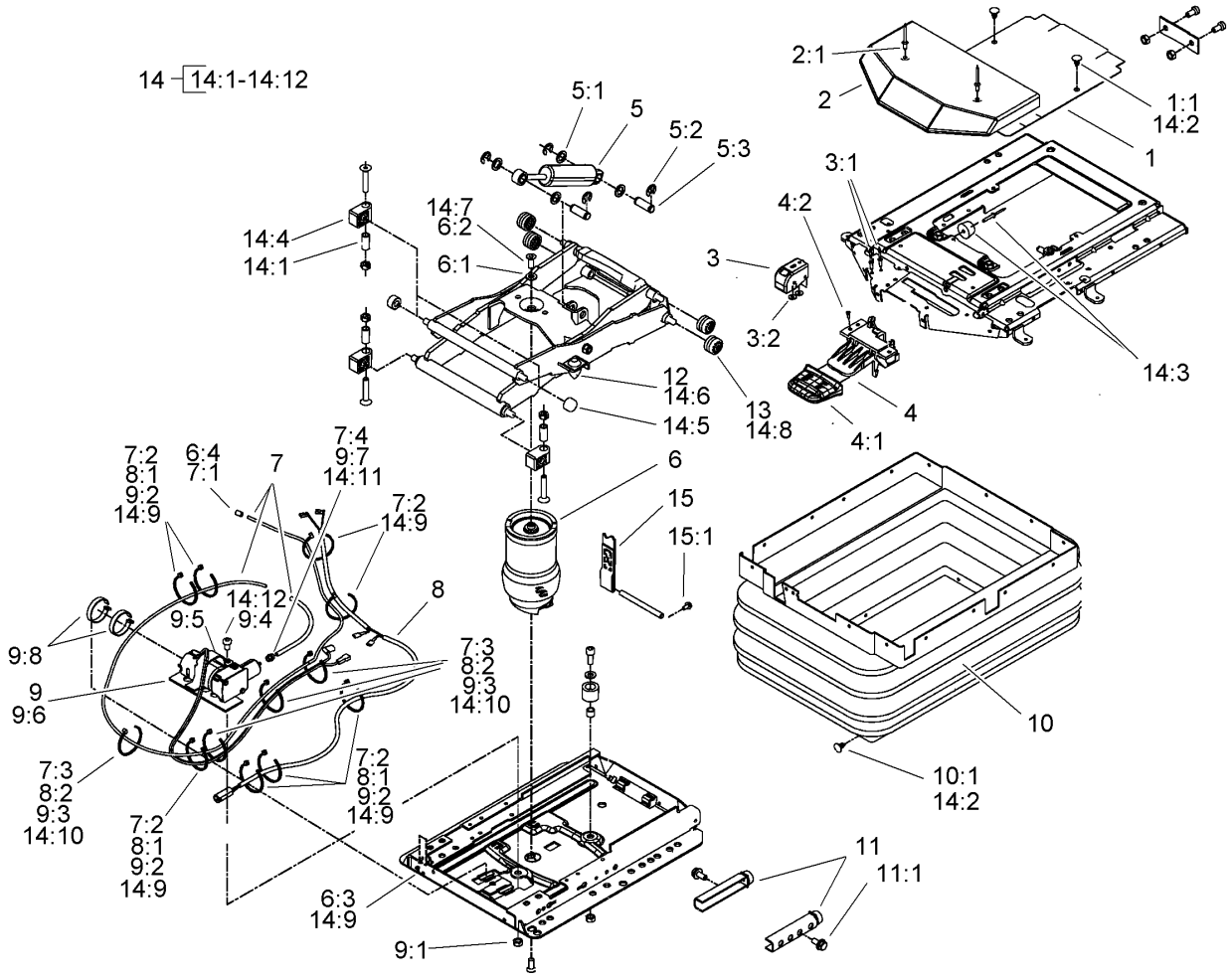


Platform and Seat Base Assembly (continued)

Ref.	Part Number	Qty.	Description
41	29-8910	5	Washer
42	2412-133	2	Clamp-R
43	104-7050	1	Tube-Manual
44	3234-33	2	Screw-HHF
45	106-2031-01	1	Support-Pivot
46	106-2034-01	1	Arm-Latch
47	47-4420	1	Spacer-Sleeve, Adjustment
48	92-2327	1	Spacer-Hose
49	92-6682	1	Spring-Extension
50	32141-36	1	Screw-Adjustment, Level
51	104-7048	1	Cap-Housing
52	322-14	1	Screw-HH
53	3230-1	2	Bolt-CARR
54	71-3340	1	Bolt-Wheel
55	3296-6	1	Nut-Lock
56	322-12	1	Screw-HH
57	2412-4	1	Clamp-R
60	108-1518	1	Seat And Suspension ASM
60:1		1	Seat Suspension ASM ●
60:2		1	Seat-Premium ■
61	323-7	4	Screw-HH
62	108-1516	1	Mount-Belt, Seat
63	3274-105	1	Screw-HSBH
64	3296-48	1	Nut-Lock, NI
65	3253-6	2	Washer-Lock
66	32104-116	2	Screw-HWHTF
67	2412-138	2	R-Clamp
68	3290-378	2	Tie-Cable

● Serviced under Model Number 30621

■ Serviced under Model Number 30622

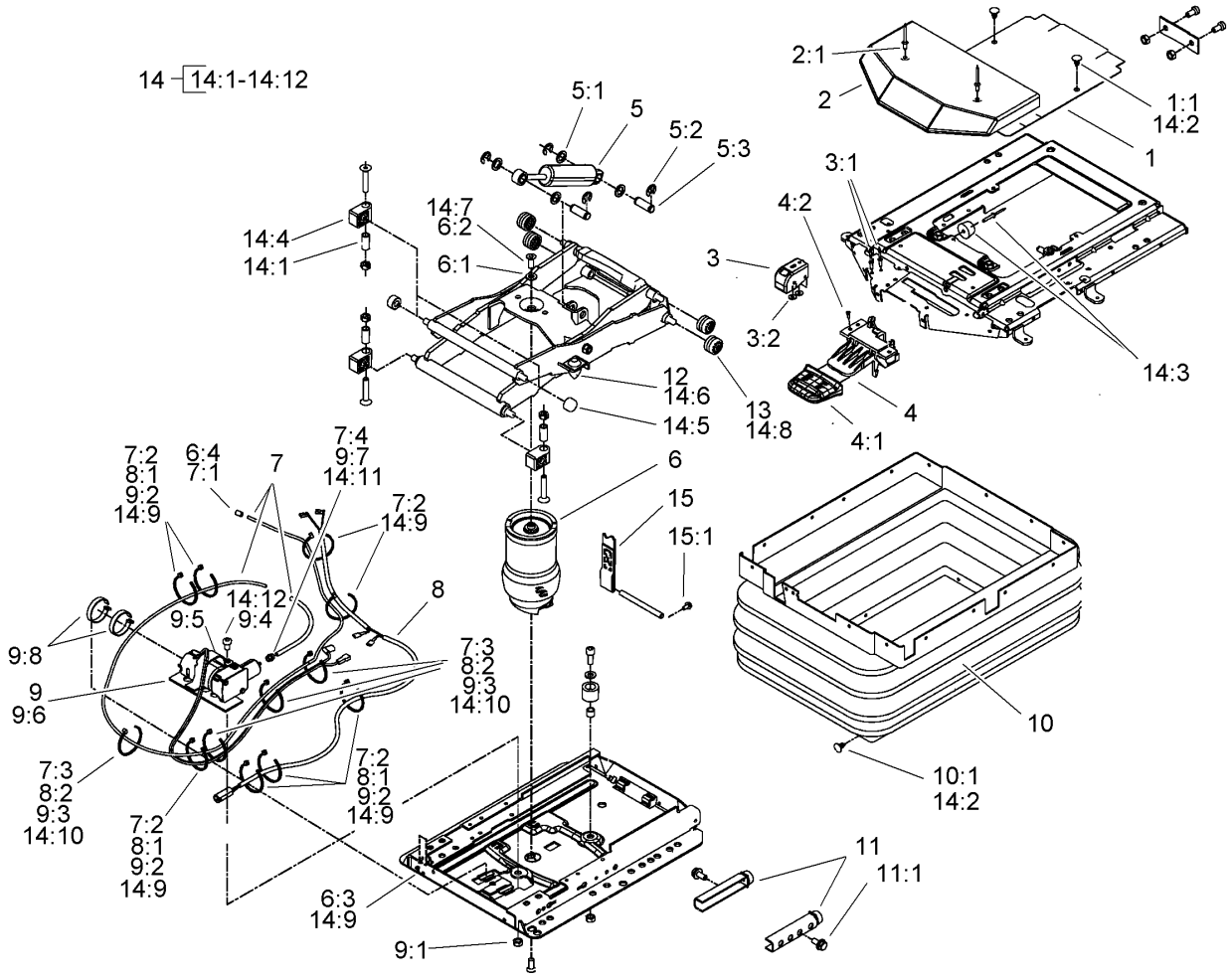


Air Ride Seat Suspension Assembly Model No. 30621

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 ■
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 ■
14:4		4	Support-Housing ■
14:5		2	Roller ■
14:6	107-1213	2	Bumper Set
14:7		2	Screw ■

● Not illustrated

■ Not serviced separately

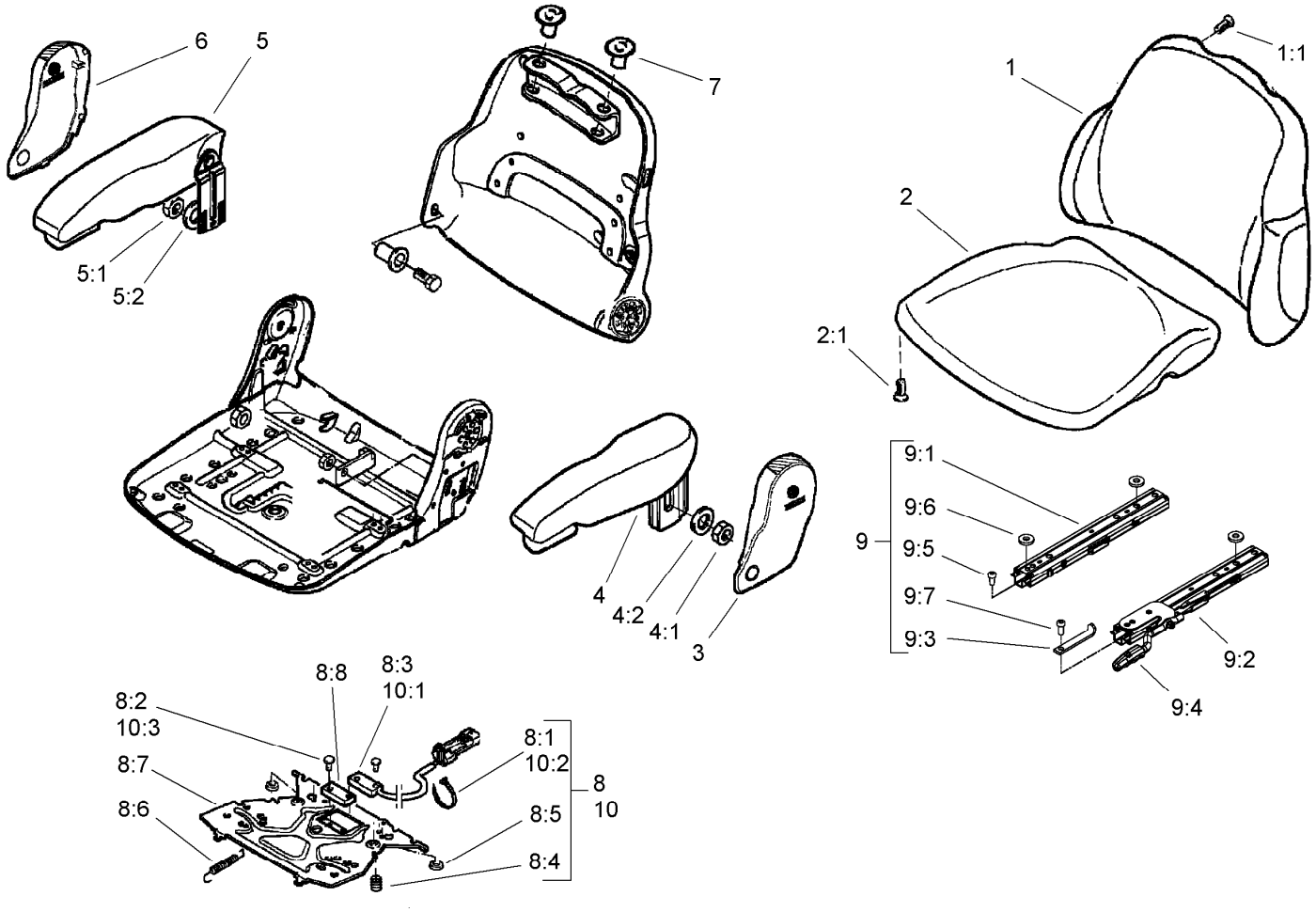


Air Ride Seat Suspension Assembly Model No. 30621 (continued)

Ref.	Part Number	Qty.	Description
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

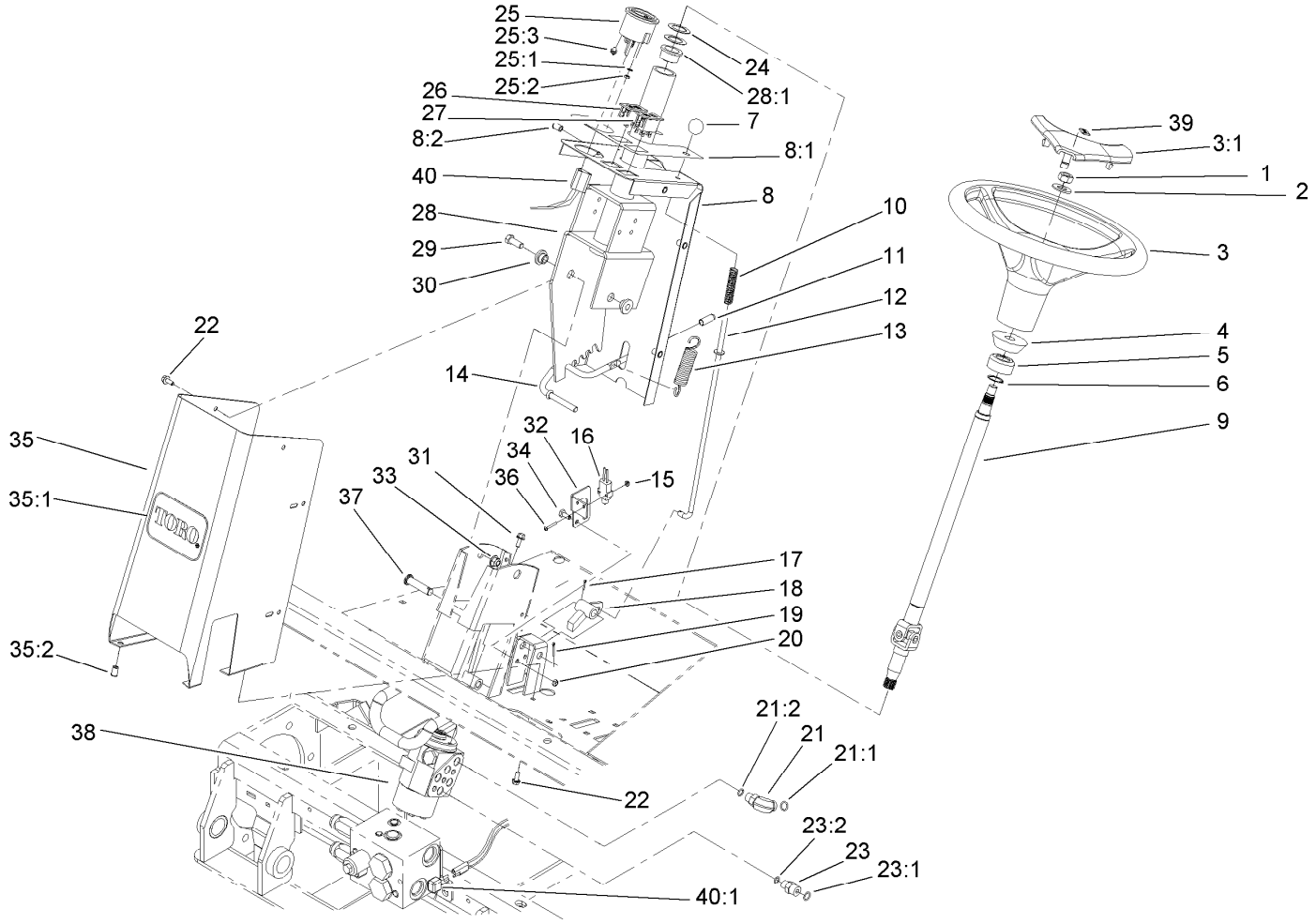


Premium Seat Assembly Model No. 30622

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 ●

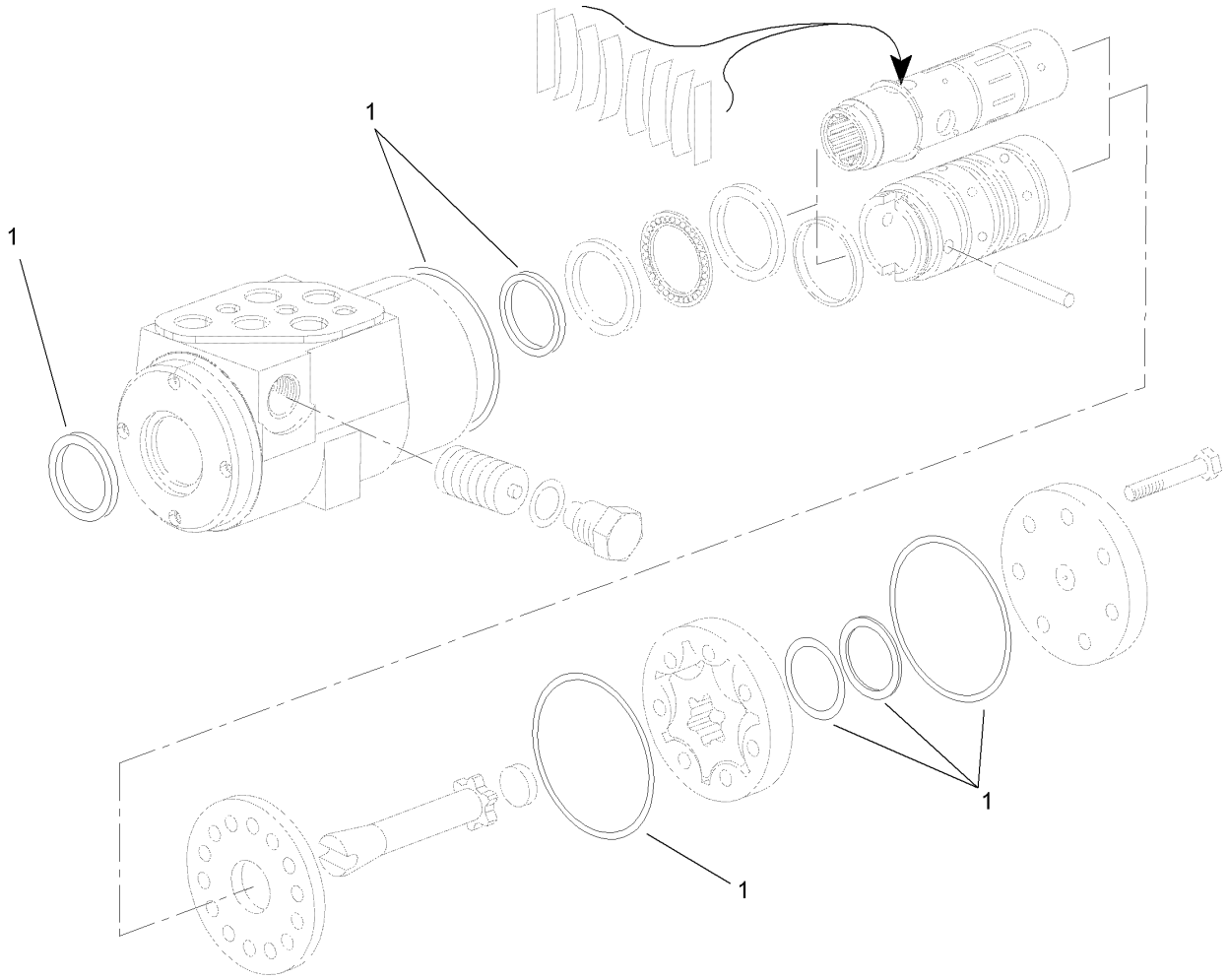
● Not serviced separately



Steering Tower Assembly

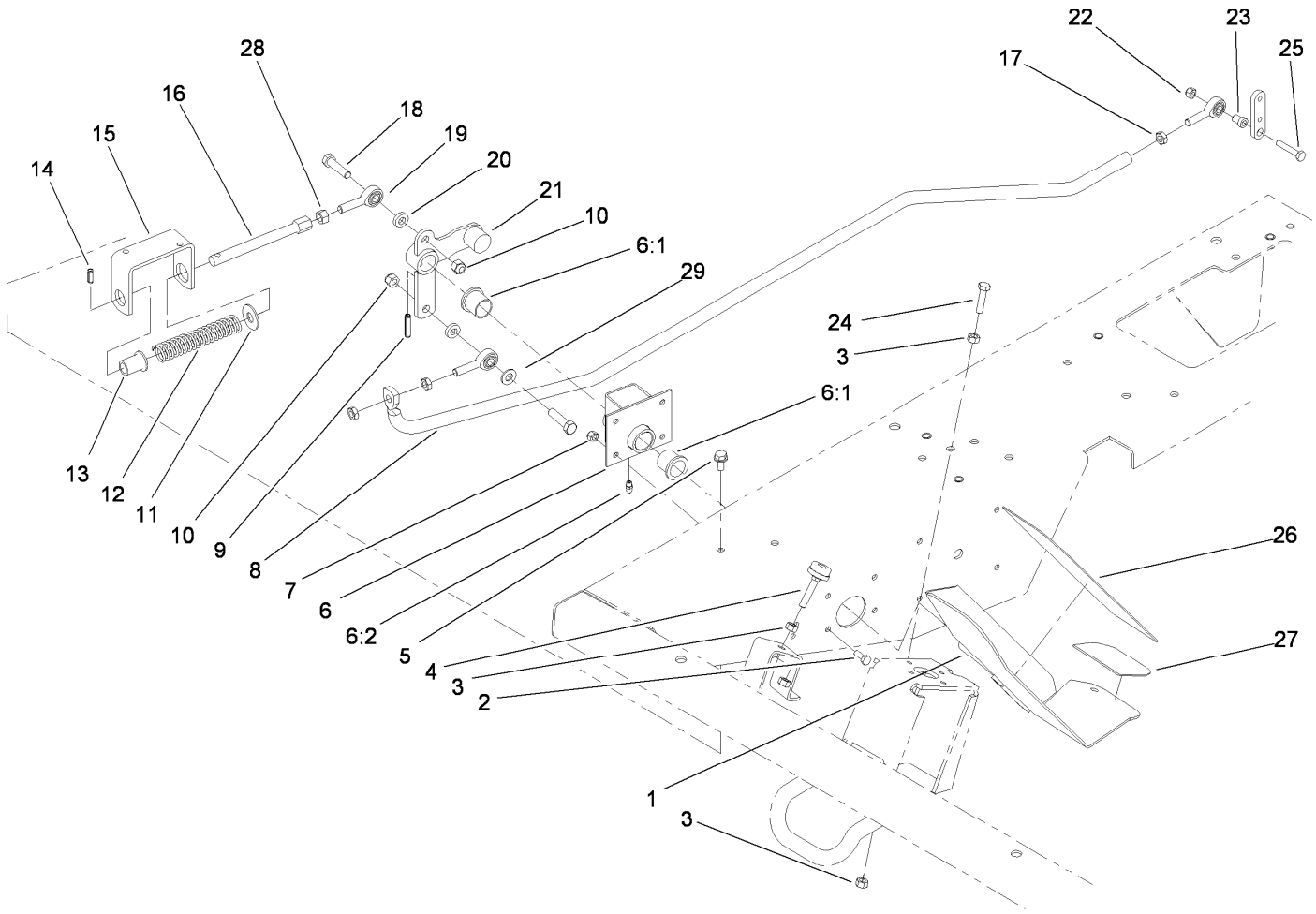
Ref.	Part Number	Qty.	Description
1	108-9342	1	Nut-Hex
2	3256-27	1	Washer-Flat
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	93-5429	1	Collar-Foam
5	93-5439	1	Seal-Steering
6	32151-29	2	Ring-Retaining
7	93-5312	1	Knob
8	104-2274	1	Tower Cover ASM
8:1	104-2277	1	Decal-Tower
8:2	32148-6	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
21:2	237-42	1	O-Ring
22	3234-33	10	Screw-HHF

Ref.	Part Number	Qty.	Description
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
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



Steering Valve Assembly No. 114-5074

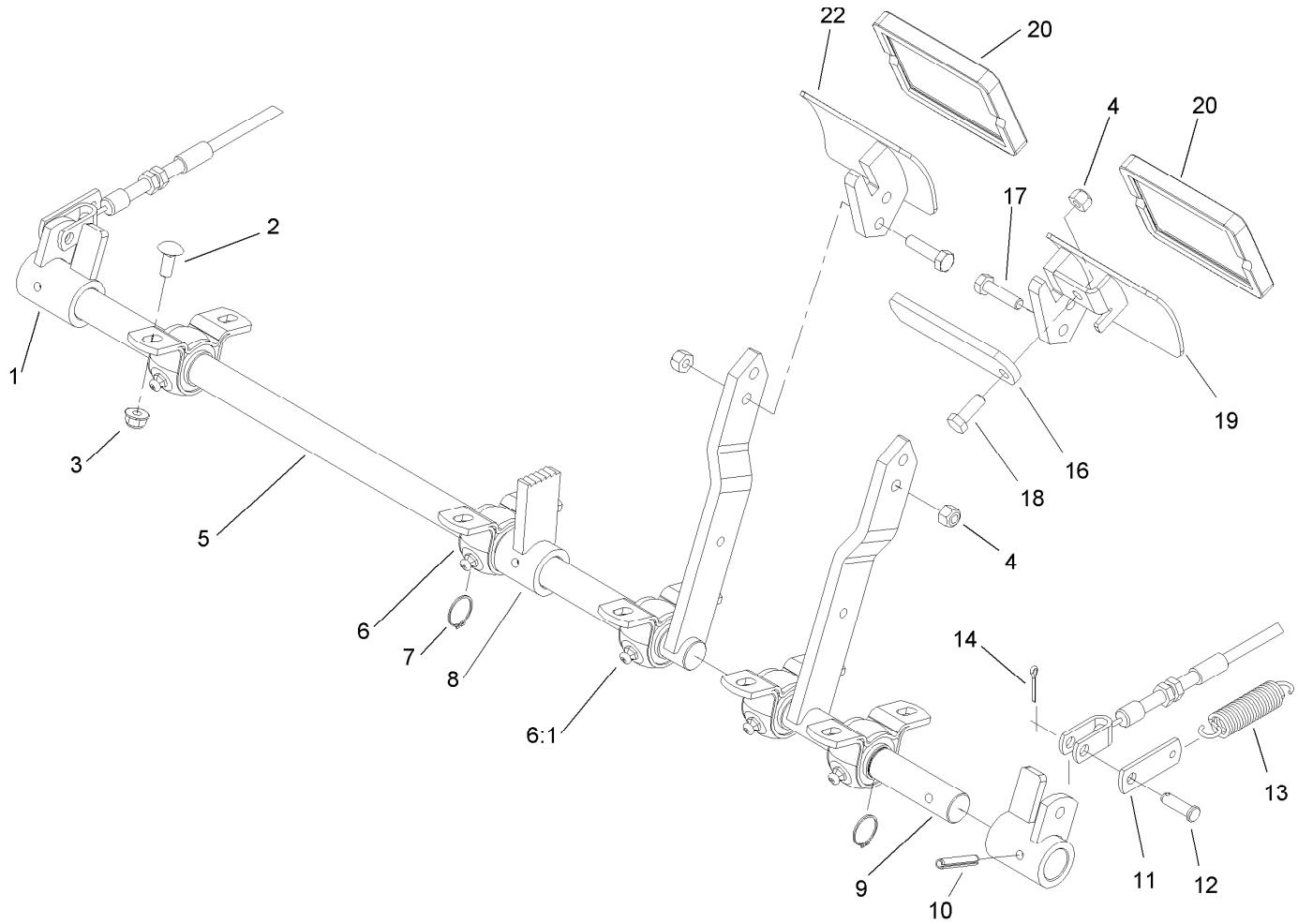
Ref.	*Part Number*	*Qty.*	*Description*
1	108-1519	1	Seal Kit



Traction Pedal and Linkage Assembly

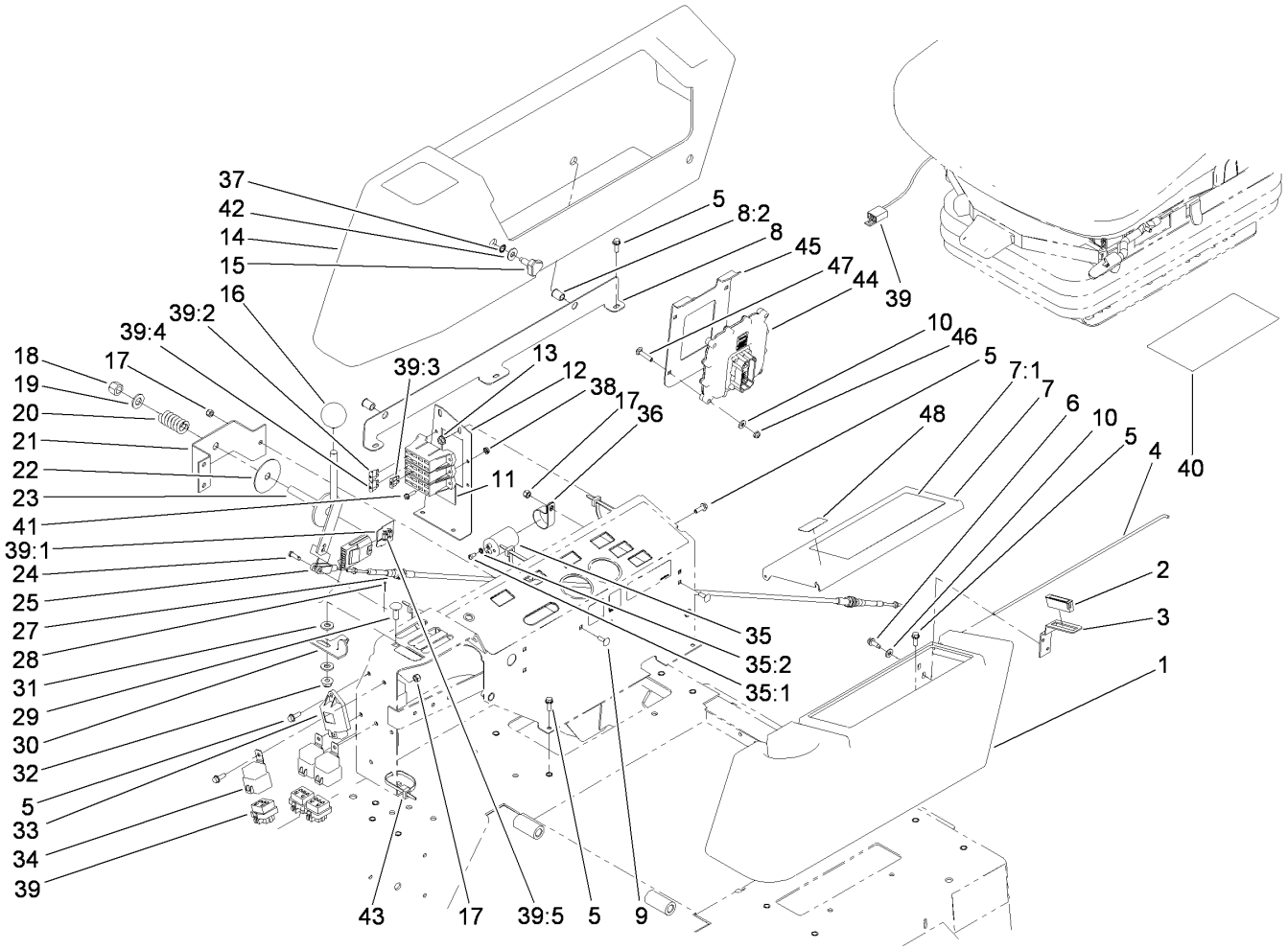
Ref.	Part Number	Qty.	Description
1	93-5133-01	1	Pedal-Traction
2	321-4	4	Screw-HH
3	3217-6	4	Nut-Hex
4	32141-36	1	Screw-Adjustment, Level
5	32144-14	2	Screw-HWHTF
6	104-3565	1	Pedal Bracket ASM
6:1	256-10	2	Bushing-Flange
6:2	302-5	1	Fitting-Grease
7	3296-42	4	Nut-Lock, NI
8	100-3136-03	1	Rod-Traction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

Ref.	Part Number	Qty.	Description
15	100-3137-03	1	Bracket-Spring
16	92-7609	1	Shaft-Spring
17	3220-3	3	Nut-HJ
18	323-9	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

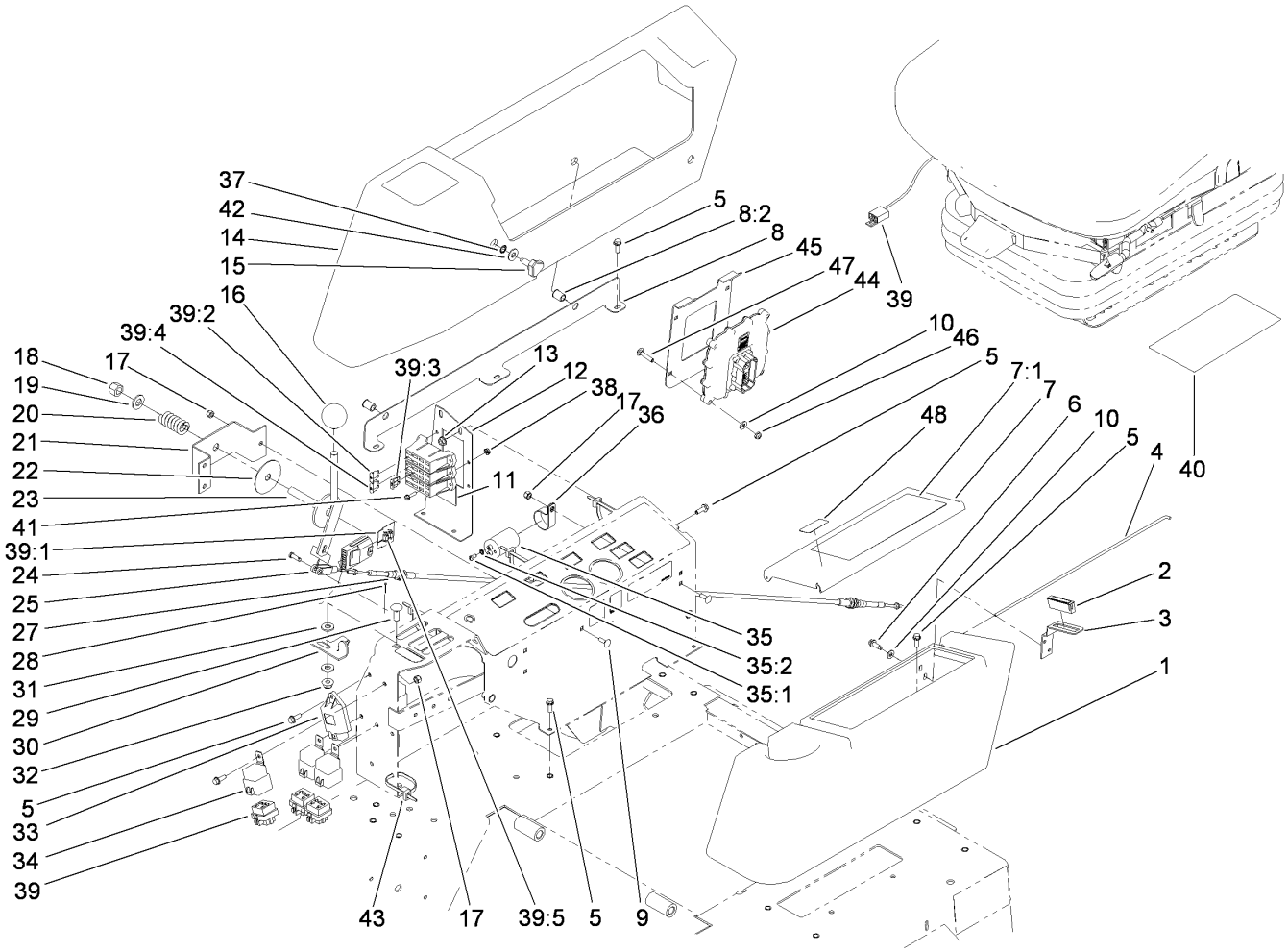
Ref.	*Part Number*	*Qty.*	*Description*
1	114-2714	2	Lever-Brake
2	3230-1	10	Bolt-CARR
3	104-8300	10	Nut-HF, NI
4	3296-29	5	Nut-Lock, NI
5	100-3000-03	1	RH Brake Arm ASM
6	93-4849	5	Bearing-Block, Pillow
6:1	302-5	1	Fitting-Grease
7	32151-83	3	Ring-Snap
8	93-5475-03	1	Brake Latch ASM
9	100-2997-03	1	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
22	105-4554-03	1	RH Pedal ASM



Control Console and Tool Box Assembly

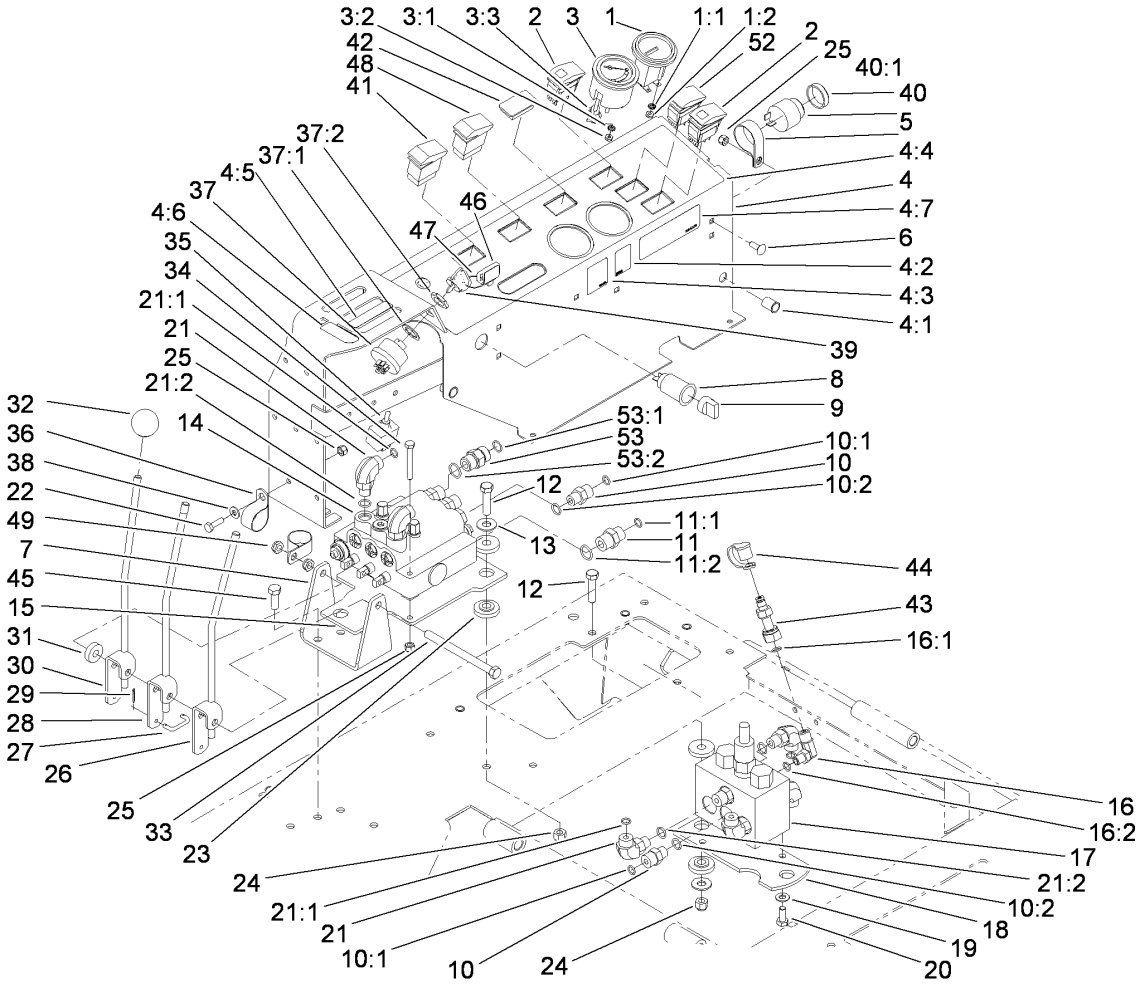
Ref.	Part Number	Qty.	Description
1	104-7515	1	Housing-Box, Tool
2	58-4250	1	Catch-Magnetic
3	104-7545	1	Bracket-Latch
4	104-7548	1	Rod-Hinge
5	3234-4	19	Screw-HHF
6	32104-95	2	Screw-HWH
7	104-8321	1	Tool Box Cover ASM
7:1	114-5604	1	Decal-Warning, CE
7:1	114-5605	1	Decal-Warning
8	105-0780	1	Console Support ASM
8:2	32148-9	2	Nut-Clinch
9	3229-1	5	Bolt-CARR
10	3256-22	6	Washer-Flat
11	115-8474	1	Decal-Fuse
12	115-3793-03	1	Support-Control Panel
13	32128-33	2	Nut-HF
14	104-7514	1	Housing-Console
15	95-9648	4	Knob
16	233-48	1	Knob
17	3296-42	9	Nut-Lock, NI
18	3296-23	1	Nut-Lock, NI
19	3256-26	1	Washer-Flat
20	3-8596	1	Spring-Compression
21	104-7539-03	1	Bracket-Pivot
22	3-2858	1	Disc-Friction
23	104-7538	1	Throttle Lever ASM
24	283-67	1	Pin-Clevis
25	282-28	1	Clevis-Adjustable

Ref.	Part Number	Qty.	Description
27	104-7547	1	Cable-Throttle
28	3272-1	1	Pin-Cotter
29	3231-22	1	Screw-CARR
30	104-7543	1	Stop-Lever, Lift
31	66-2920	2	Washer-Friction
32	104-8301	1	Nut-HF, NI
33	98-7611	1	Controller-Glow
34	99-7430	7	Relay-Mini 280
35	37-2690	2	Capacitor
35:1	3252-18	2	Screw
35:2	3254-1	2	Washer-Lock, Int
36	2412-74	2	R-Clamp
37	32151-72	4	Ring-Retaining
38	32149-7	2	Nut-Keps
39	114-9756	1	Harness-Wire
39:1	92-3188	1	Diode-Board, Circuit
39:2	110928	1	Fuse-Blade, 5 Amp
39:3	114241	1	Fuse-Blade, 7.5 Amp
39:4	218-578	5	Fuse-Blade, 10 Amp
39:5	100-4918	1	Diode
40	114-5604	1	Decal-Warning, CE
41	32105-13	3	Screw-HWH
42	3256-3	4	Washer-Flat
43	3290-378	6	Tie-Cable
44	114-3321	1	Controller-Tec
45	115-3785-03	1	Mount-Controller
46	3296-56	4	Nut-Lock, NI



Control Console and Tool Box Assembly (continued)

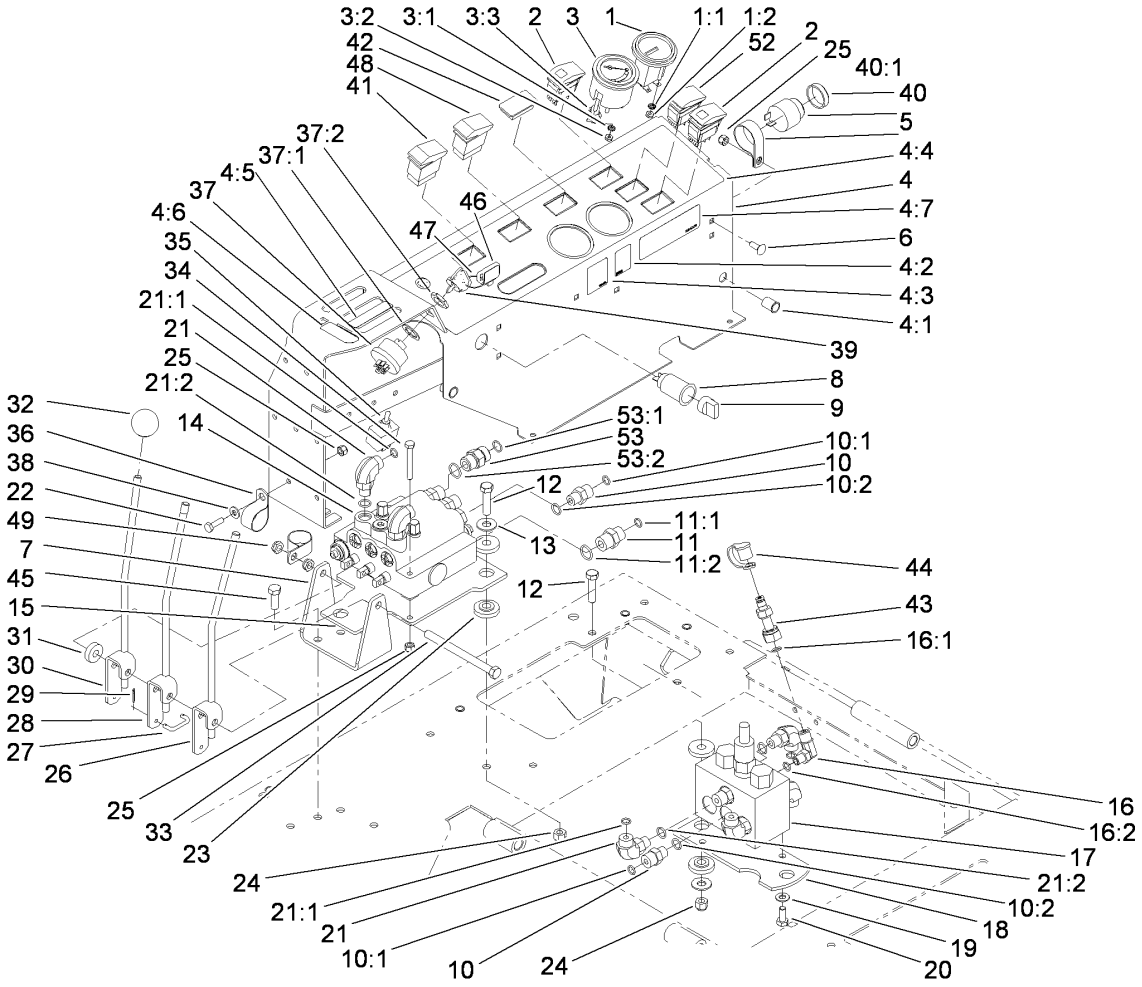
Ref.	*Part Number*	*Qty.*	*Description*
47	3229-3	4	Screw-CARR
48	98-4387	1	Decal-Protection, Ear



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	100-8072	2	Switch
3	98-9339	1	Gauge-Fuel
3:1	3254-1	3	Washer-Lock, Int
3:2	3217-27	3	Nut-Hex
3:3	105-9265	1	Bulb And Lamp ASM
4	115-3750	1	Control Panel ASM
4:1	32148-9	2	Nut-Clinch
4:2	93-7252	1	Decal
4:3	105-4674	1	Decal-Noise
4:4	115-3753	1	Decal-Control Panel
4:5	104-8324	1	Decal-Lift
4:6	104-8325	1	Decal-Lock
4:7	108-5278	1	Decal
5	2412-74	1	R-Clamp
6	3229-1	1	Bolt-CARR
7	105-0788-03	1	Bracket-Pivot
8	99-7411	1	Point-Power
9	99-7416	1	Cap
10	340-2	4	Fitting-Straight
10:1	237-22	1	O-Ring
10:2	237-42	1	O-Ring
11	340-3	1	Fitting-Straight
11:1	237-22	1	O-Ring
11:2	237-79	1	O-Ring
12	323-8	5	Screw-HH

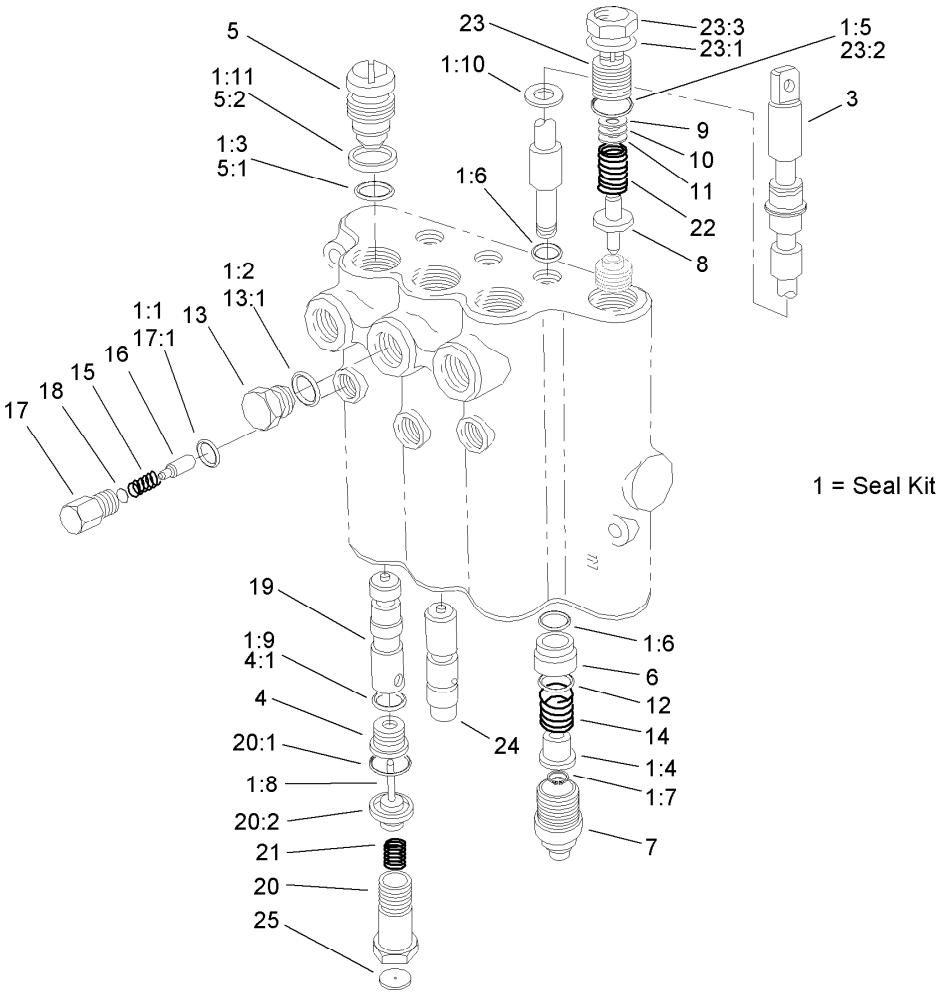
Ref.	Part Number	Qty.	Description
13	3256-4	5	Washer-Flat
14	105-4563	1	Control Valve ASM
15	105-0789-03	1	Bracket-Valve
16	340-97	1	Fitting-Elbow, 90 DEG
16:1	237-22	1	O-Ring
16:2	237-78	1	O-Ring
17	104-0788	1	Valve ASM
18	104-2231-03	1	Plate-Valve
19	3256-23	2	Washer-Plain
20	322-3	2	Screw-HH
21	340-77	6	Fitting-Elbow, 90 DEG
21:1	237-22	1	O-Ring
21:2	237-42	1	O-Ring
22	321-5	1	Screw-HH
23	240-11	10	Bushing-Flange
24	3296-39	7	Nut-Lock, NI
25	3296-42	4	Nut-Lock, NI
26	100-3123	1	LH Lever ASM
27	69-9140	3	Link-Lever, Valve
28	100-3122	1	Center Lever ASM
29	3272-1	6	Pin-Cotter
30	100-3121	1	RH Lever ASM
31	62-6660	1	Spacer
32	233-42	3	Knob
33	323-38	1	Screw-HH
34	321-11	2	Screw-HH
35	93-5270	1	Switch-PTO
36	2412-126	2	R-Clamp



Control Console Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
37	88-9830	1	Key Switch ASM
37:1	3254-5	1	Washer-Lock
37:2	218-461	1	Nut-HH
38	3256-22	1	Washer-Flat
39	63-8360	2	Key-Ignition
40	80-9330	1	Audio Alarm ASM
40:1	104-5107	1	Nut-Plastic, Knurled
41	95-8999	1	Switch
42	99-7420	1	Plug-Hole
43	86-5480	1	Nipple-Test

Ref.	*Part Number*	*Qty.*	*Description*
44	354-79	1	Cap-Dust
45	323-6	2	Screw-HH
46	99-8970	1	Key-Latch, Hood
47	98-9321	1	Ring-Key
48	106-2027	1	Switch-Intermittent
49	3296-59	2	Nut-Lock, NI
52	114-3329	1	Switch-Rocker
53	340-4	1	Fitting-Straight
53:1	237-30	1	O-Ring
53:2	237-79	1	O-Ring

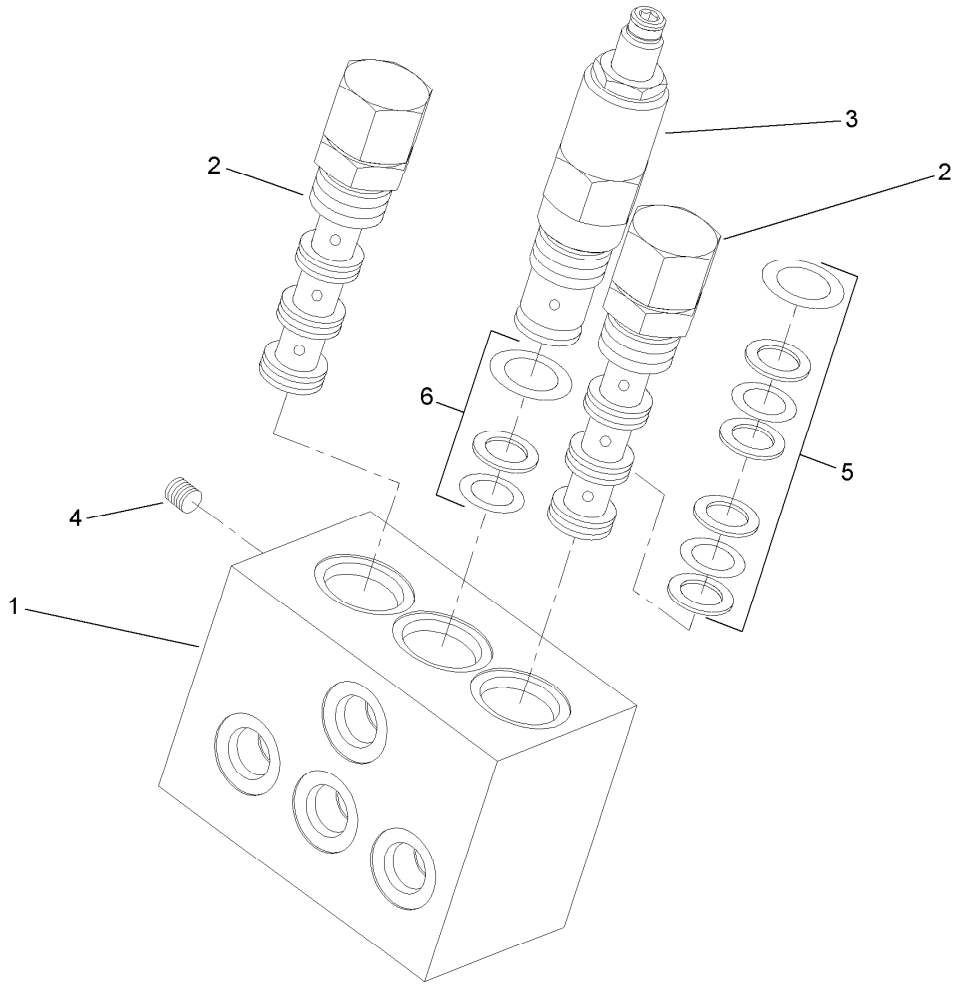


Control Valve Assembly No. 105-4563

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
10	58-6480	1	Washer

Ref.	Part Number	Qty.	Description
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	84-6450	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
25	105-4565	2	Plate-Orifice

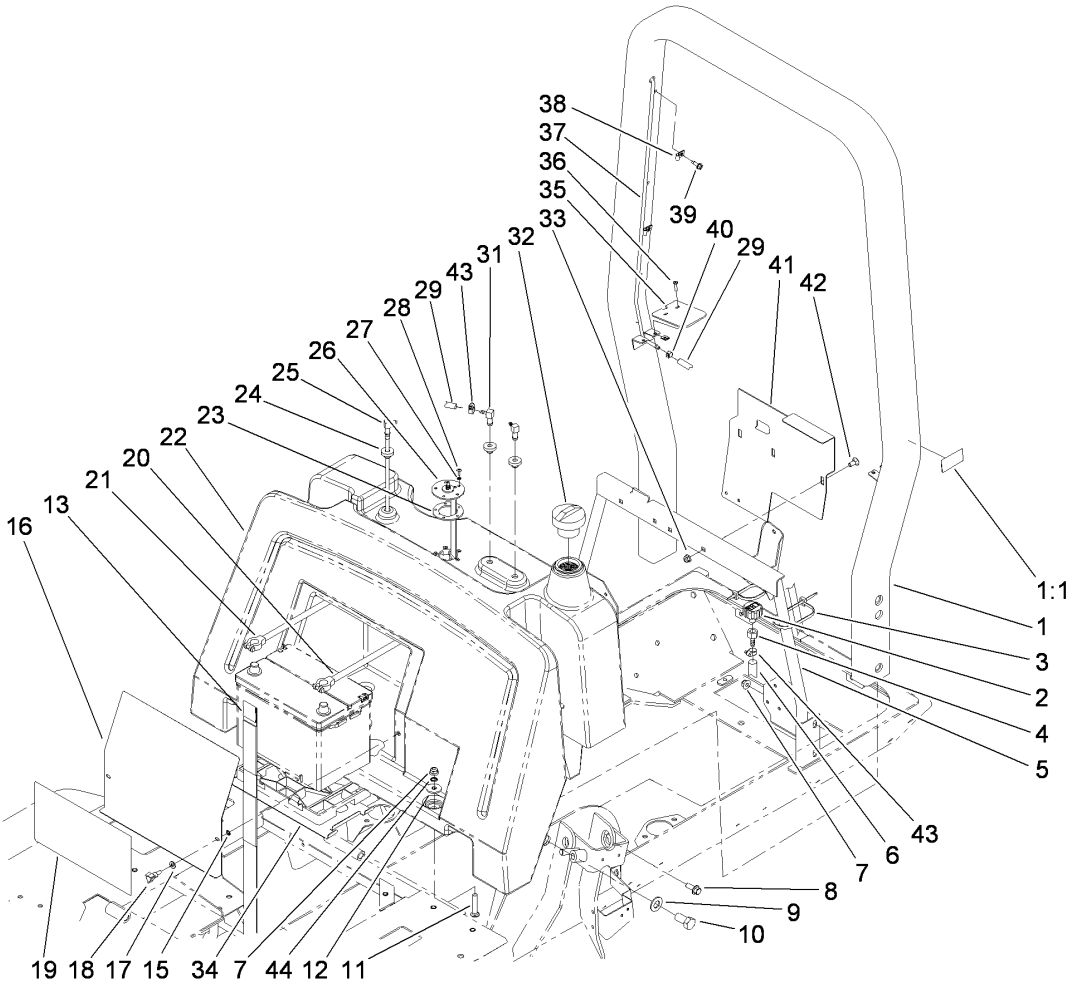
● Not serviced separately



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

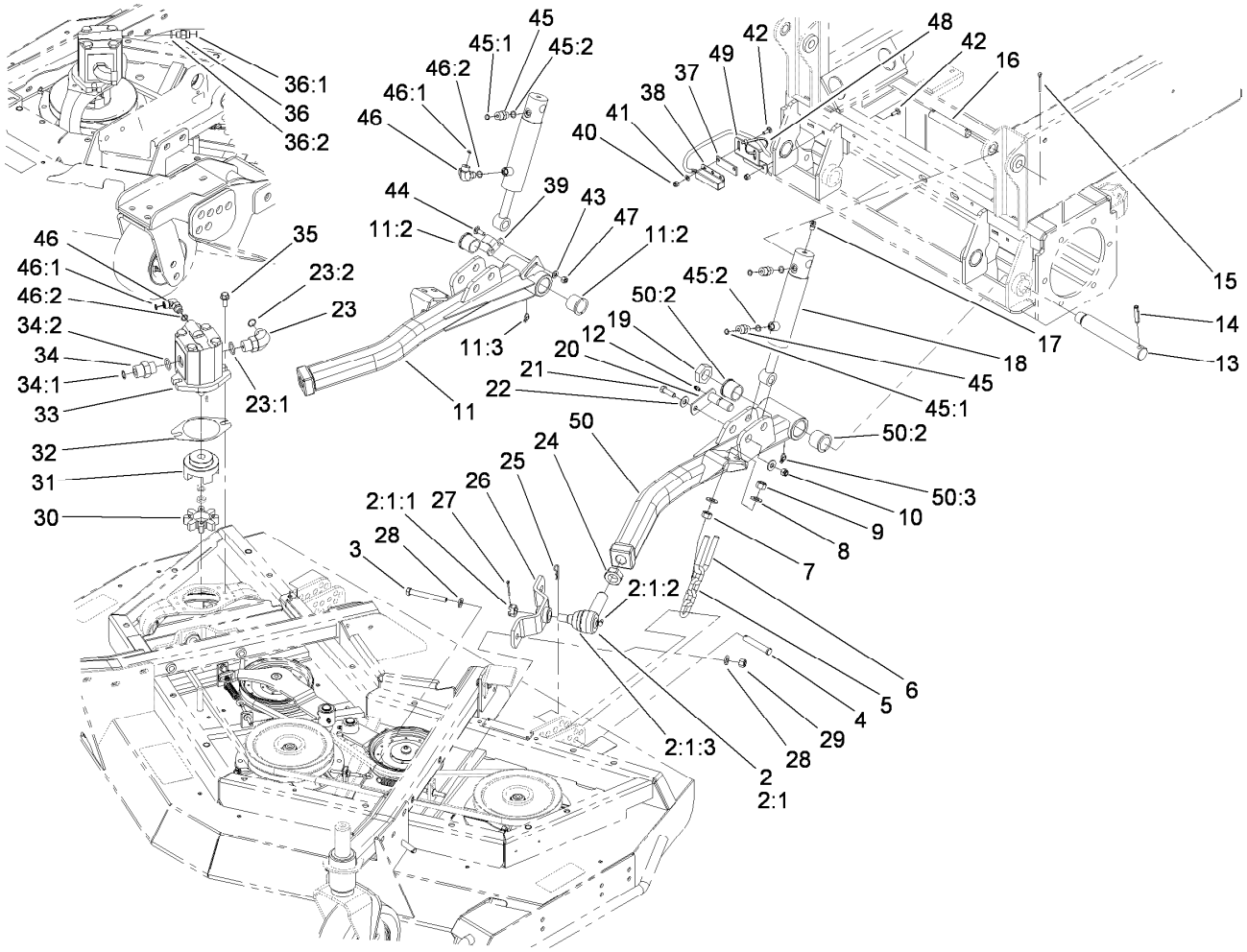
● Not serviced separately



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	115-8456	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

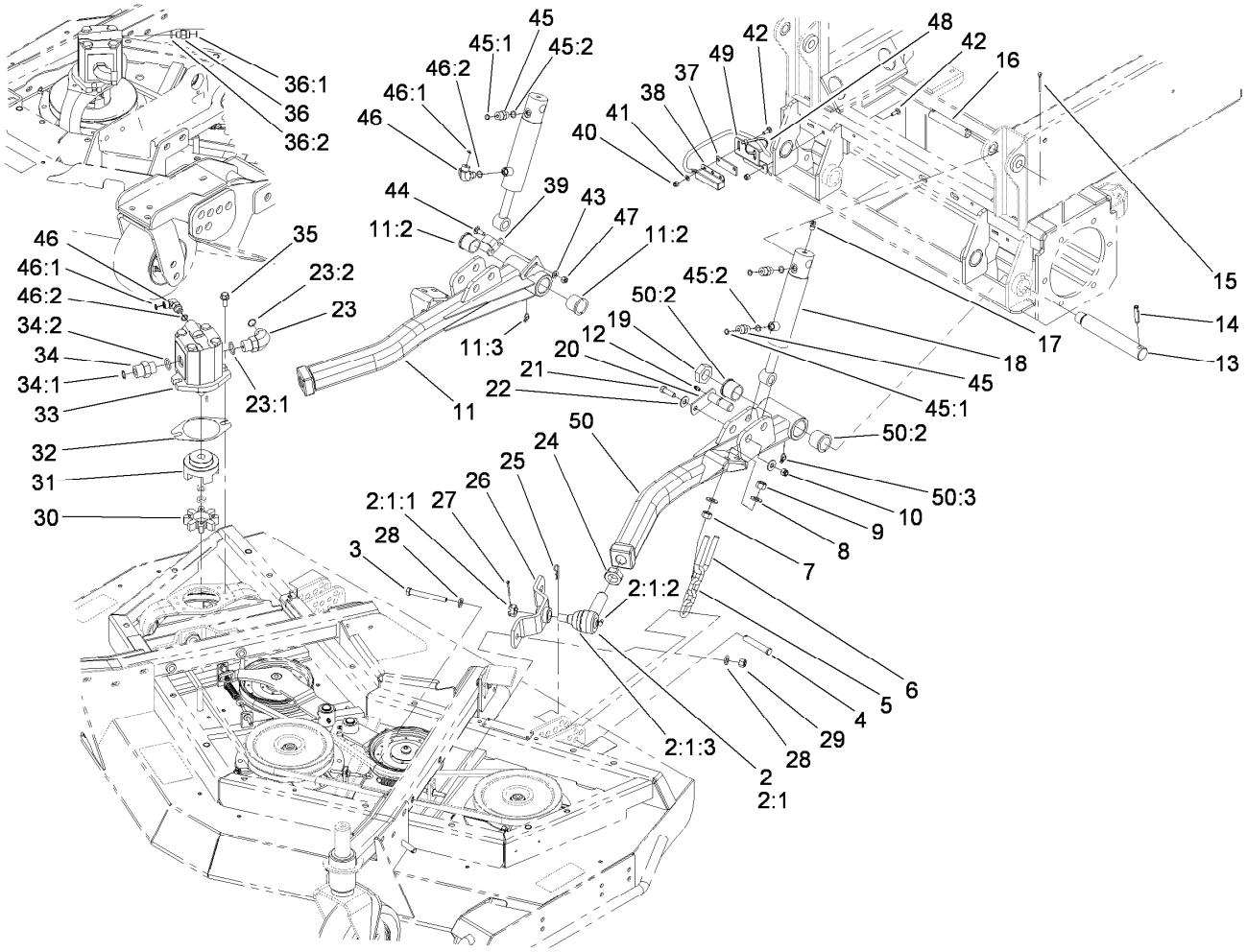


Front Deck Lift Arm and Cylinder Assembly

Ref.	Part Number	Qty.	Description
2	86-8101-03	2	LH Ball Joint ASM ●
2:1		1	Joint-Ball, LH ●
2:1:1	32136-2	1	Nut-SHH
2:1:2	302-40	1	Fitting-Grease, 90 DEG
2:1:3	105-7835	1	Seal
3	324-19	4	Screw-HH
4	283-55	2	Pin-Clevis
5	95-6231	2	Chain-HOC
6	104-0108	2	U-Bolt
7	3217-9	4	Nut-HH
8	3256-26	8	Washer-Flat
9	3296-25	4	Nut-Lock, NI
10	3296-39	2	Nut-Lock, NI
11	100-3031	1	RH Lift Arm ASM
11:2	104-0015	2	Bushing-Flange
11:3	302-11	1	Fitting-Lube, 45 DEG
12	302-5	2	Fitting-Grease
13	100-3017	2	Pin-Arm, Lift
14	32121-110	2	Pin-Roll, Slotted
15	3272-23	4	Pin-Cotter
16	105-7456	2	Pin-Pivot
17	302-33	2	Fitting-Grease
18	107-4304	2	HYD Cylinder ASM
19	3296-49	2	Nut-Lock, NI
20	100-3020	2	Pin

Ref.	Part Number	Qty.	Description
21	323-7	2	Screw-HH
22	3256-4	4	Washer-Flat
23	340-139	5	Fitting-Elbow 90
23:1	237-81	1	O-Ring
23:2	237-65	1	O-Ring
24	21-3001-03	2	Nut-Jam, Push Arm
25	3290-467	2	Pin-Hair
26	93-4583-01	2	Mount-Joint, Ball
27	3272-12	2	Pin-Cotter
28	87-7480	8	Washer
29	3296-48	4	Nut-Lock, NI
30	104-3542	3	Spider
31	104-3541	3	Hub-Spider
32	100-5638	3	Shim
33	99-5489	3	Gear Motor ASM
34	340-8	1	Fitting-Straight
34:1	237-65	1	O-Ring
34:2	237-81	1	O-Ring
35	3234-42	6	Screw-HHF
36	340-2	2	Fitting-Straight
36:1	237-22	1	O-Ring
36:2	237-42	1	O-Ring
37	104-3595	1	Spacer-Switch
38	104-0758	1	Sensor-Ferrous
39	104-3598	1	Plate-Sensing, Front

● Not serviced separately

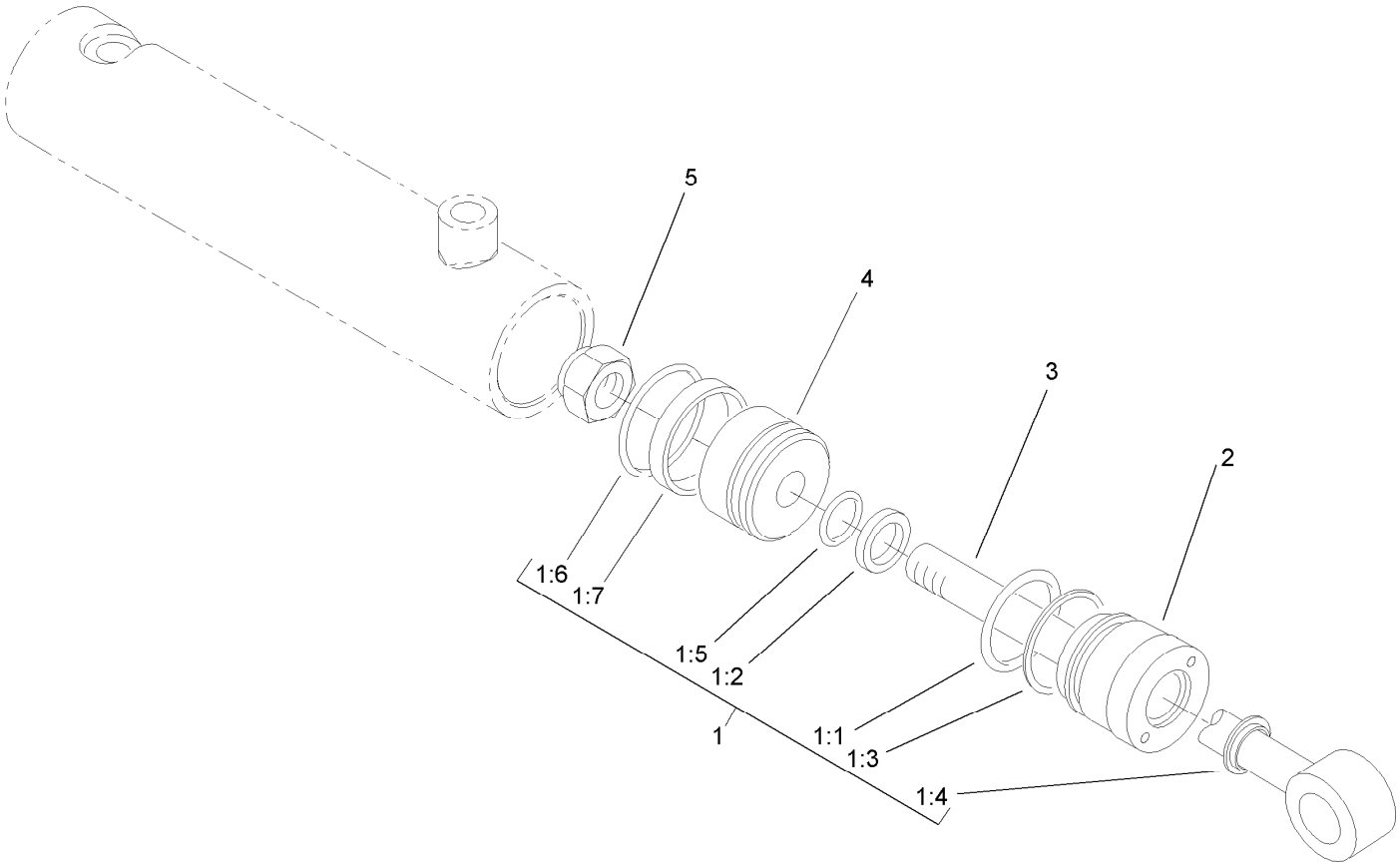


Front Deck Lift Arm and Cylinder Assembly (continued)

Ref.	Part Number	Qty.	Description
40	3296-42	4	Nut-Lock, NI
41	3256-60	2	Washer-Flat
42	3229-1	4	Bolt-CARR
43	3256-23	2	Washer-Plain
44	3230-16	2	Screw-CARR
45	340-2	3	Fitting-Straight
45:1	237-22	1	O-Ring
45:2	237-42	1	O-Ring
46	340-77	2	Fitting-Elbow, 90 DEG

Ref.	Part Number	Qty.	Description
46:1	237-22	1	O-Ring
46:2	237-42	1	O-Ring
47	3296-29	2	Nut-Lock, NI
48	3290-379	1	Tie-Cable
49	106-7176	1	Bracket-Switch
50	100-3032	1	LH Lift Arm ASM
50:2	104-0015	2	Bushing-Flange
50:3	302-11	1	Fitting-Lube, 45 DEG

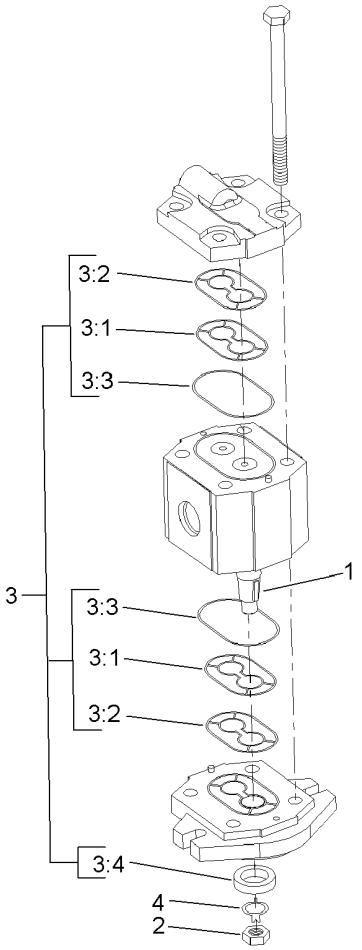
● Not serviced separately



Hydraulic Cylinder Assembly No. 107-4304

Ref.	*Part Number*	*Qty.*	*Description*
1	107-0248	1	Seal Kit
1:1		1	Ring-Retaining ●
1:2		1	Seal ●
1:3		1	Back-Up ●
1:4		1	Wiper ●
1:5		1	Ring-Retaining ●
1:6		1	Seal W/Loader ●
1:7		1	Wear Ring ●
2		1	Head ●
3		1	Rod ASM ●
4		1	Piston ●
5		1	Locknut ●

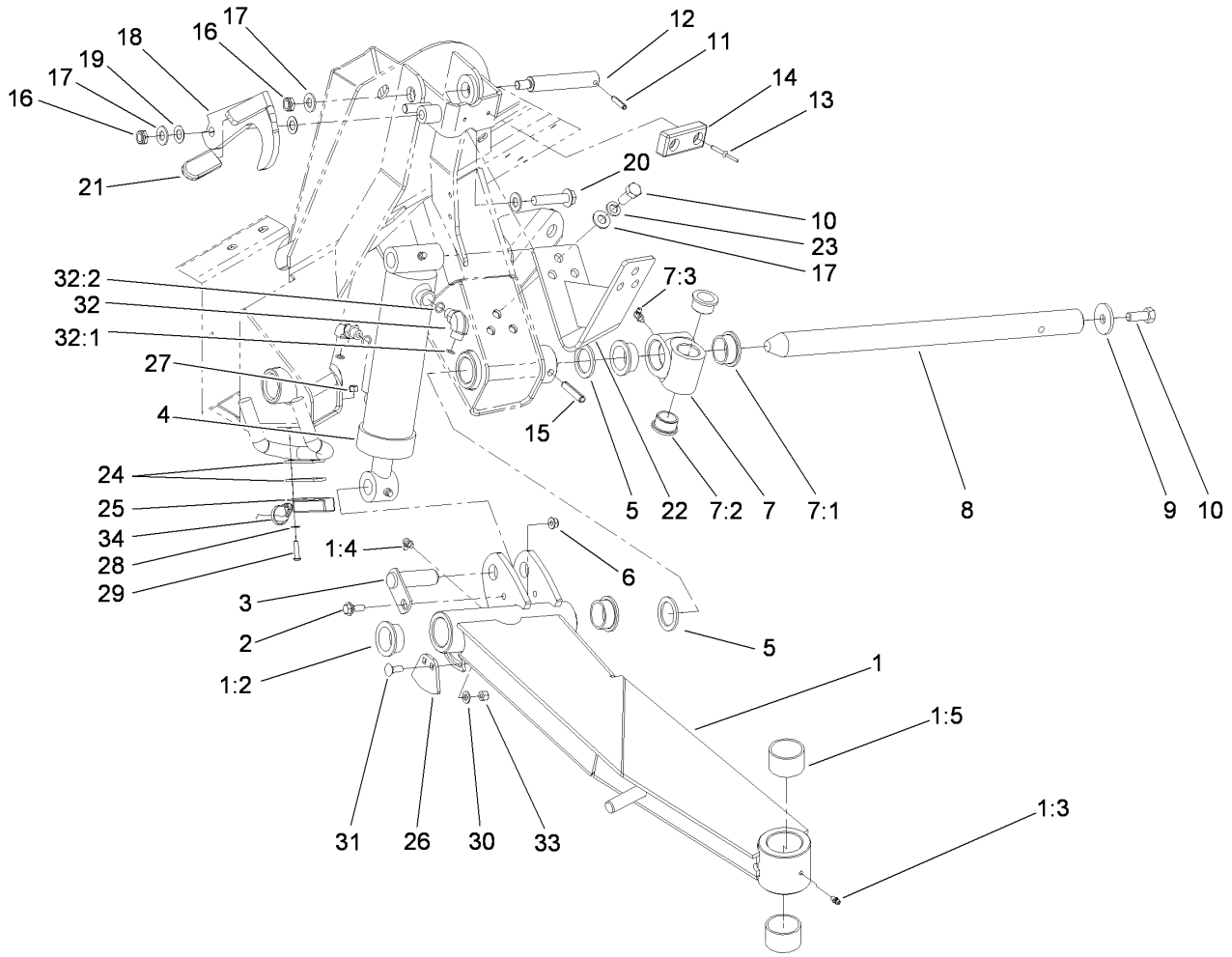
● Not serviced separately



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

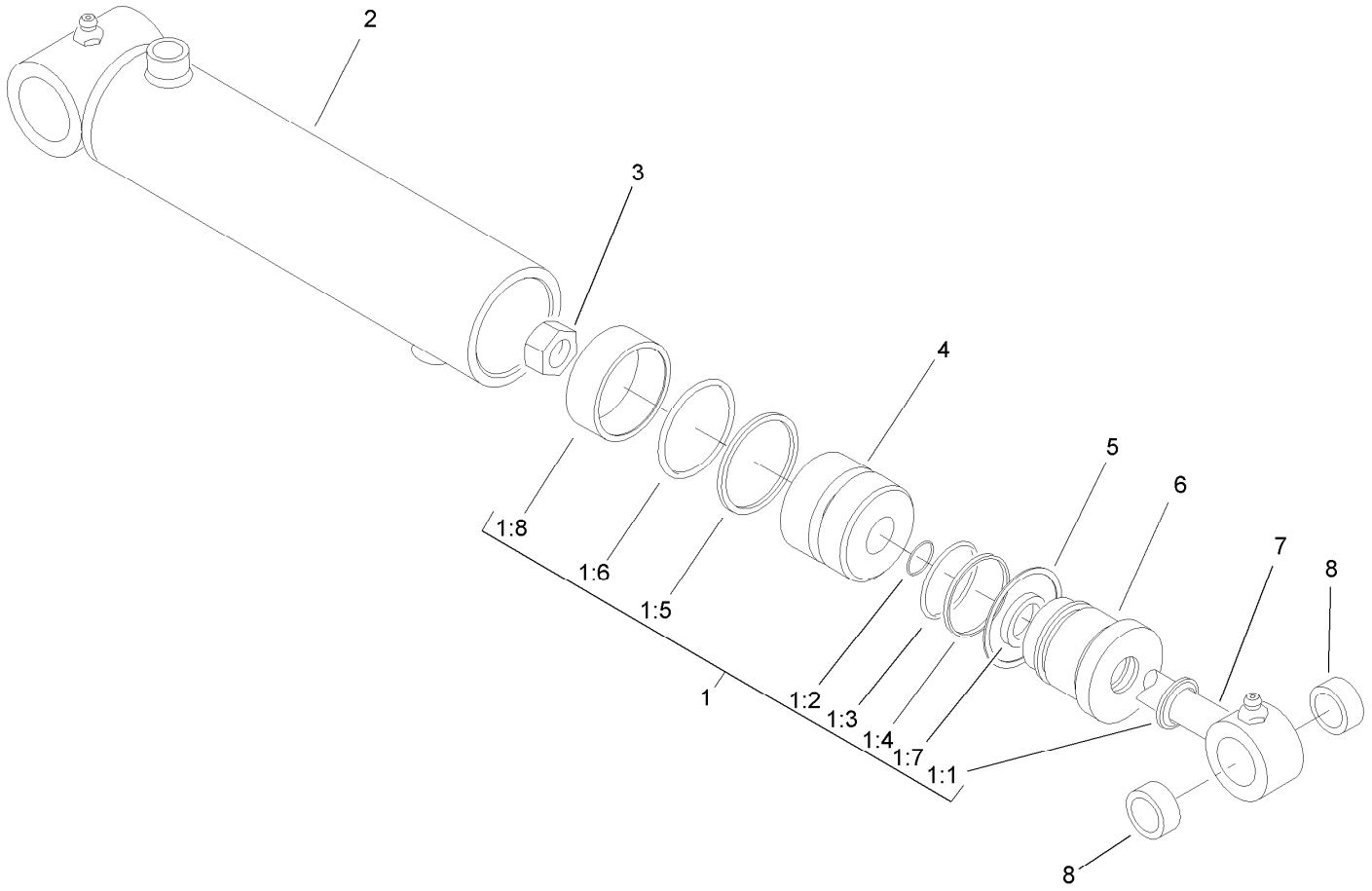
● Not serviced separately



Side Deck Lift Arm, Cylinder and Latch Assembly

Ref.	Part Number	Qty.	Description
1	100-8122	1	RH Lift Arm ASM
1	100-8123	1	LH Lift Arm ASM
1:2	69-6470	2	Bushing-Castor
1:3	302-5	1	Fitting-Grease
1:4	302-60	1	Fitting-Grease
1:5	104-8341	2	Bushing-Straight
2	27-0410	2	Screw-Shoulder
3	100-5674	2	Pin
4	107-4303	2	HYD Cylinder ASM
5	256-304	4	Washer-Thrust
6	104-8300	2	Nut-HF, NI
7	115-5468	2	Pivot Hub ASM
7:1	115-5469	2	Bushing-Flange
7:2	114-5680	2	Bushing-Flange
7:3	302-60	1	Fitting-Grease
8	100-5582	2	Shaft-Pivot, Lift Arm
9	106-2008	2	Washer-Thrust
10	325-5	8	Screw-HH
11	32121-9	2	Pin-Roll, Slotted
12	104-3537	2	Pin-Cylinder
13	3269-11	4	Rivet-Pop
14	86-5350	2	Bumper-Rubber
15	32121-110	2	Pin-Roll, Slotted

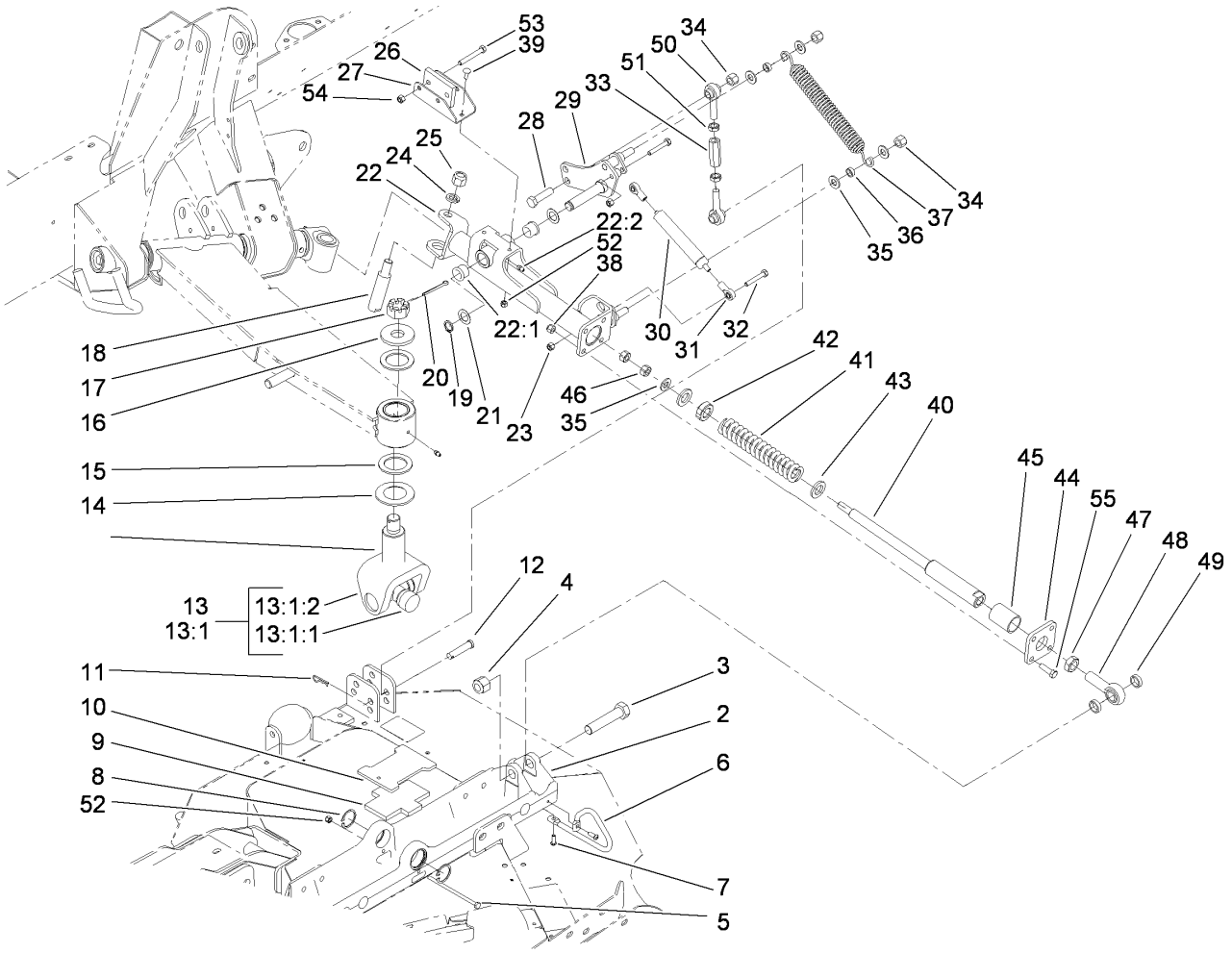
Ref.	Part Number	Qty.	Description
16	3296-45	4	Nut-Hex
17	3256-26	8	Washer-Flat
18	104-3556-03	1	Latch-RH
18	104-3557-03	1	Latch-LH
19	104-3577	4	Washer
20	3234-46	2	Screw-HHF
21	48-7081	2	Grip-Plastic
22	104-8330-03	2	Bracket-Cam
23	3253-7	6	Washer-Lock
24	104-3595	4	Spacer-Switch
25	104-0758	2	Sensor-Ferrous
26	105-0792	2	Plate-Sensing
27	3296-42	4	Nut-Lock, NI
28	3256-60	4	Washer-Flat
29	3274-65	4	Screw-HSBH
30	3256-23	4	Washer-Plain
31	3230-16	4	Screw-CARR
32	340-77	4	Fitting-Elbow, 90 DEG
32:1	237-22	1	O-Ring
32:2	237-42	1	O-Ring
33	3296-29	4	Nut-Lock, NI
34	3290-379	1	Tie-Cable



Hydraulic Cylinder Assembly No. 107-4303

Ref.	*Part Number*	*Qty.*	*Description*
1	107-0249	1	Seal Kit
1:1		1	Wiper ●
1:2		1	Ring-Retaining ●
1:3		1	Ring-Retaining ●
1:4		1	Back-Up ●
1:5		1	Seal ●
1:6		1	Ring-Retaining ●
1:7		1	Seal ●
1:8		1	Wear Ring ●
2		1	Barrel ASM ●
3		1	Locknut ●
4		1	Piston ●
5		1	Ring, Retaining ●
6		1	Head ●
7		1	Rod ASM ●
8	104-4281	2	Bushing

● Not serviced separately



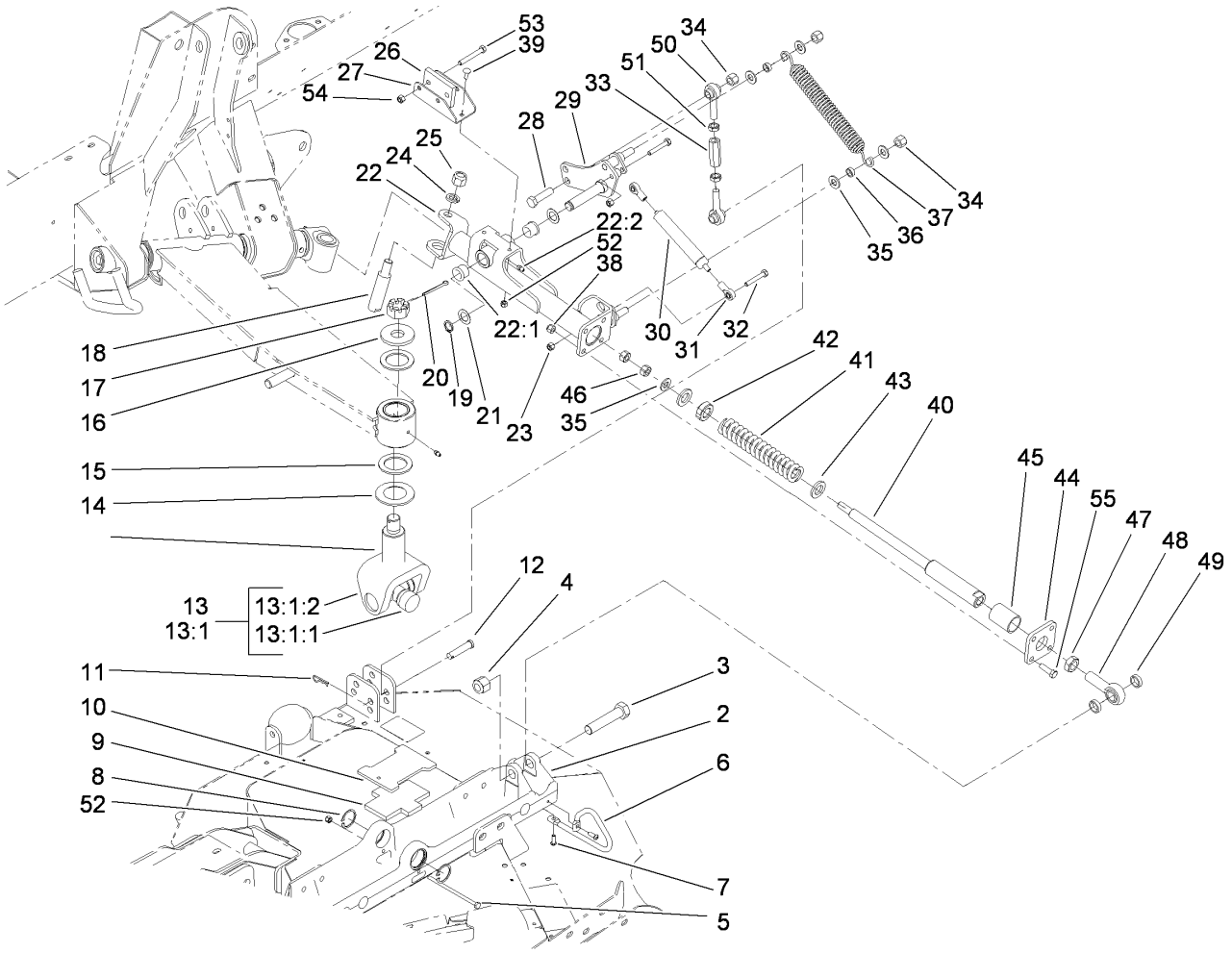
Side Deck Lift Arm and Damper Assembly

Ref.	Part Number	Qty.	Description
2	107-4348-03	1	Mount-Deck, RH ●
2	107-4349-03	1	Mount-Deck, LH
3	328-5	2	Screw-HH
4	3296-51	2	Nut-Lock, NI
5	321-47	2	Screw-HH
6	108-1529	2	Support-Hose
7	3274-69	4	Screw-HSBH
8	32120-42	4	Ring-Retaining
9	104-8348	2	Plate-Rubber
10	108-1528-03	2	Plate
11	3290-467	2	Pin-Hair
12	92-2739	2	Pin-Clevis
13	104-0705-03	2	Yoke-Joint
13:1		1	Yoke-Joint ■
13:1:1	104-4299	1	Cross And Bearing Kit
13:1:2		1	Yoke ■
14	104-0720	2	Spacer
15	104-0721	4	Washer-Thrust
16	104-0719	2	Washer-Hardened
17	32136-11	2	Nut-Hex, Slot
18	104-2281	2	Shaft-Pivot
19	32120-93	2	Ring-Retaining
20	3272-25	2	Pin-Cotter
21	3-6498	4	Washer-Thrust
22	108-1471	1	RH Rear Arm ASM

Ref.	Part Number	Qty.	Description
22	108-1473	1	LH Rear Arm ASM
22:1	256-113	2	Bushing-Flange
22:2	302-5	1	Fitting-Grease
23	3296-29	4	Nut-Lock, NI
24	3253-8	2	Washer-Lock
25	3296-53	2	Nut-Lock, NI
26	69-9290	10	Pad-Bumper
27	105-4556-03	2	Bracket-Bumper
28	325-8	2	Screw-HH
29	108-1476-03	1	Bell Crank-LH
29	108-1475-03	1	Bell Crank-RH
30	105-3249	2	Damper
31	104-8331	4	End-Rod, Spherical
32	322-10	4	Screw-HH
33	105-2809	2	Tube-Link
34	3296-23	6	Nut-Lock, NI
35	3256-26	10	Washer-Flat
36	104-7521	4	Bushing
37	104-7520	2	Spring-Damper
38	3296-39	8	Nut-Lock, NI
39	3229-25	4	Screw-CARR
40	105-4548	2	Shaft-Spring
41	100-8138	2	Spring-Compression
42	105-4552	2	Bearing-Plastic
43	105-4551	4	Washer-Flat

● Not illustrated

■ Not serviced separately



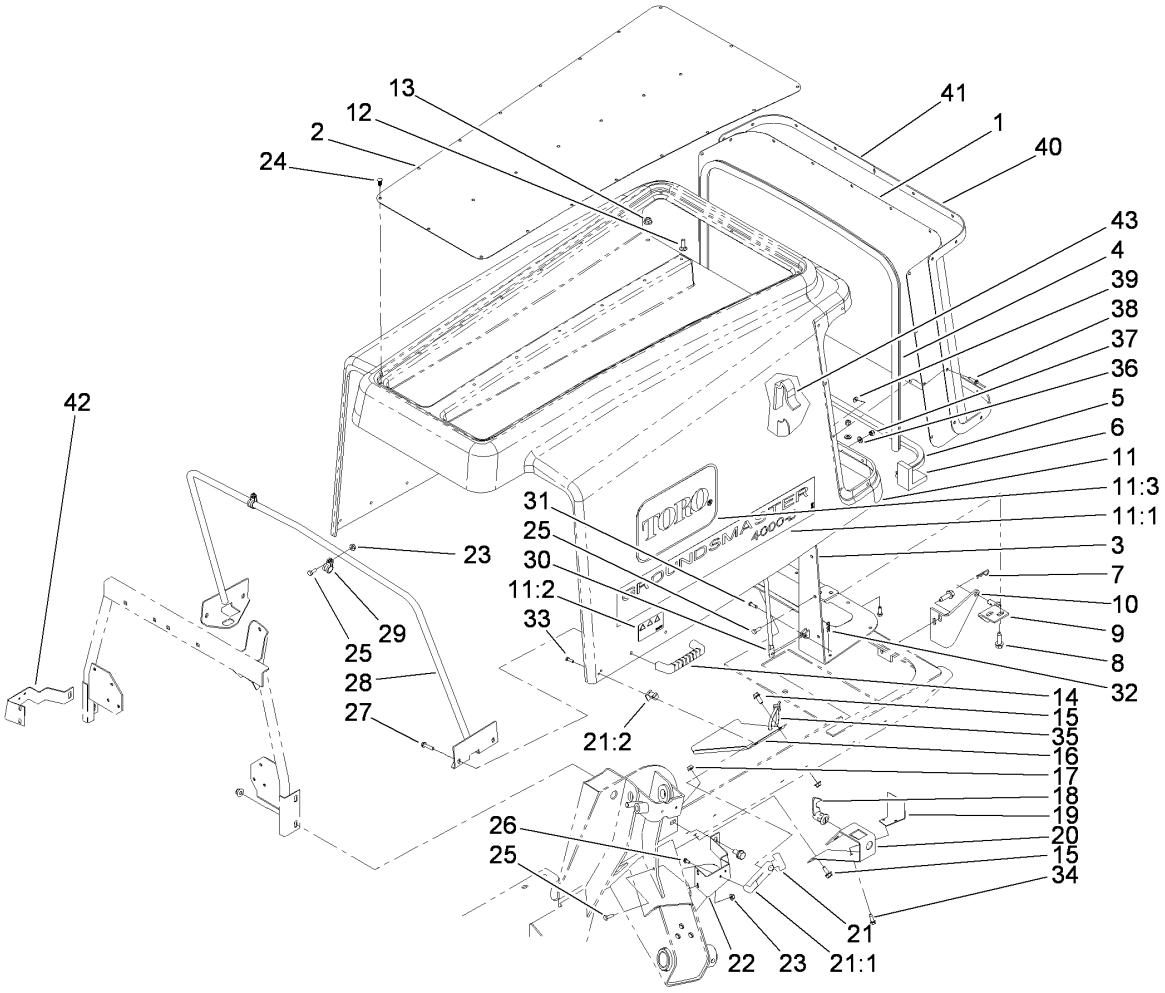
Side Deck Lift Arm and Damper Assembly (continued)

Ref.	Part Number	Qty.	Description
44	105-2807-03	2	Plate
45	105-4550	2	Bushing-Straight
46	3217-9	4	Nut-HH
47	3220-7	2	Nut-Jam
48	105-2806	2	End-Rod
49	105-0756	4	Spacer

Ref.	Part Number	Qty.	Description
50	105-2808	4	End-Rod
51	3220-5	4	Nut-Jam
52	3296-42	6	Nut-Lock, NI
53	322-12	4	Screw-HH
54	3296-29	4	Nut-Lock, NI
55	323-7	8	Screw-HH

● Not illustrated

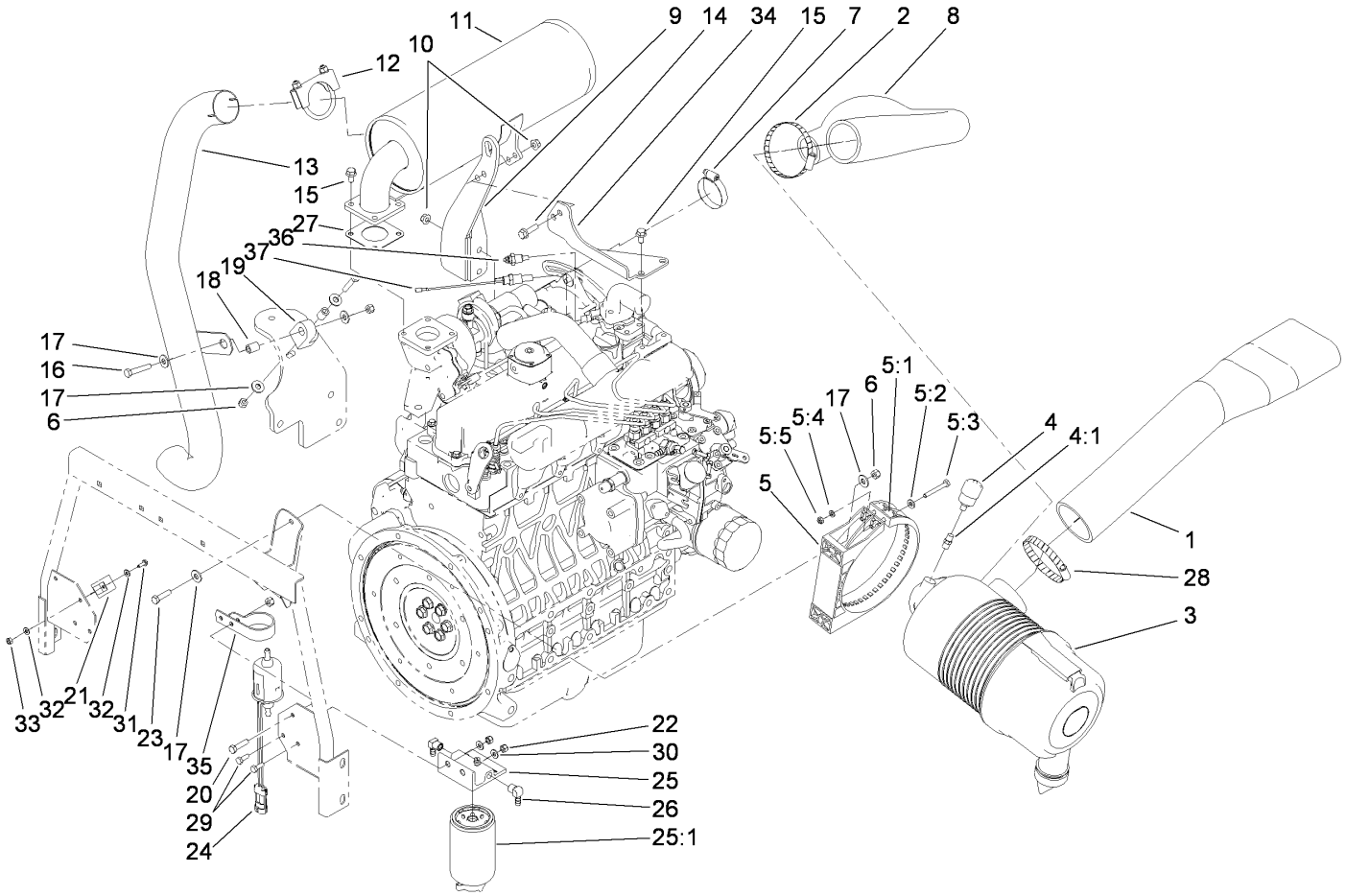
■ Not serviced separately



Hood and Screen Assembly

Ref.	Part Number	Qty.	Description
1	114-3844-03	1	Screen-Rear
2	114-3845-03	1	Screen-Top
3	114-3824-03	1	Screen ASM
4	114-3823	1	Seal-Bulb
5	104-3590	1	Seal-Bulb
6	104-3580	2	Seal-Corner, Screen
7	3290-467	2	Pin-Hair
8	32144-109	8	Screw-Thd Form HWH
9	104-3589	2	Pivot-Screen
10	104-3588-03	2	Pivot-Screen
11	114-3815	1	Hood ASM
11:1	106-2045	2	Decal-Hood
11:2	106-6754	1	Decal-Danger
11:3	66-1210	2	Decal
12	3230-2	2	Bolt-CARR
13	104-8300	2	Nut-HF, NI
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	98-5398	1	Latch
19	105-4531	1	Cover-Latch
20	104-3591-03	1	Bracket-Latch, Hood
21	94-5626	2	Flexible Draw Latch ASM

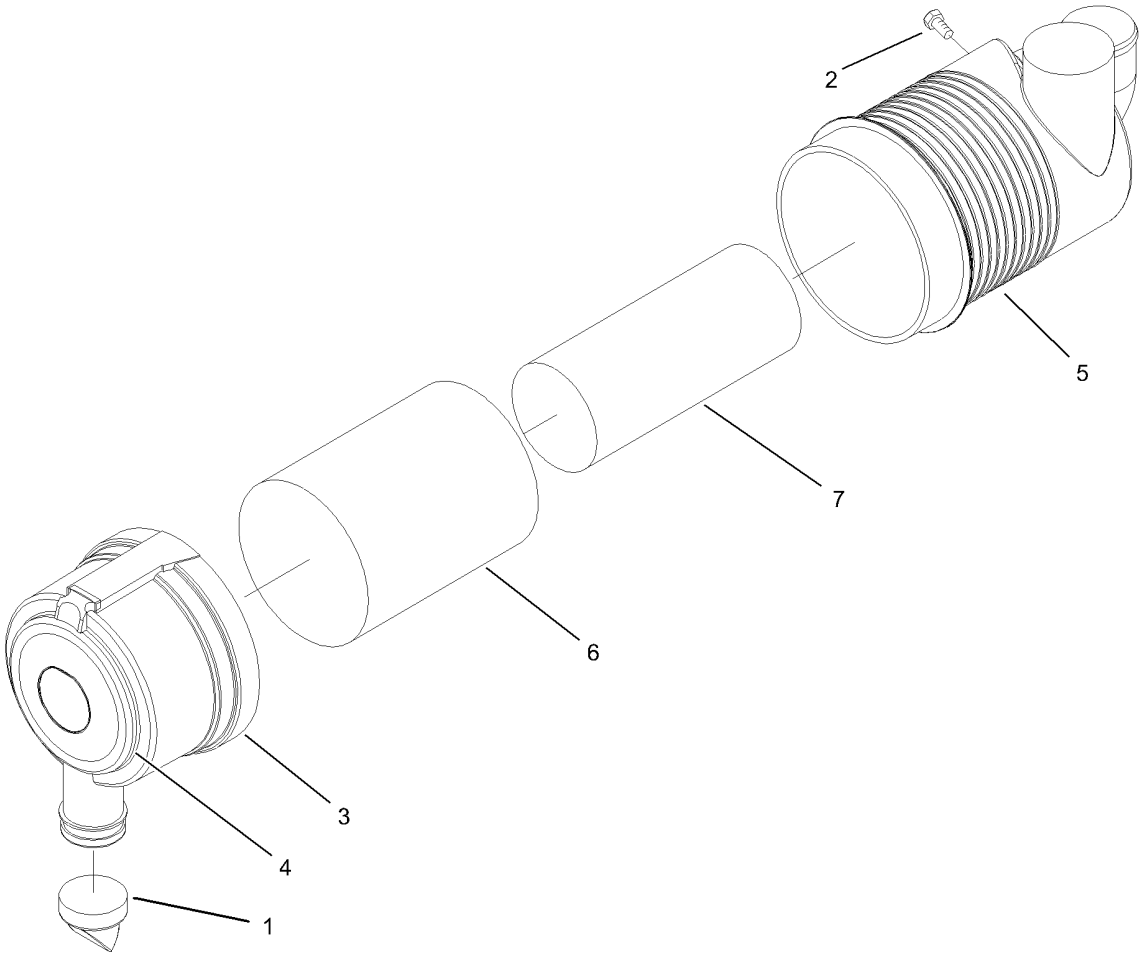
Ref.	Part Number	Qty.	Description
21:1	103-4080	1	Latch-Rubber
21:2	103-4081	1	Latch-Keeper
22	104-2253-03	1	Bracket-Latch, LH
23	32128-33	6	Nut-HF
24	114-4899	24	Plug-Plastic
25	321-4	26	Screw-HH
26	32144-1	4	Screw-Taptite
27	46-8092	4	Screw-Plastite
28	104-3505-03	1	Support-Hood
29	2412-134	2	Clamp-R
30	104-8313	2	Rod-Hood
31	283-67	2	Pin-Clevis
32	3290-307	2	Pin-Cotter
33	32104-4	2	Screw
34	32104-95	2	Screw-HWH
35	3290-378	1	Tie-Cable
36	3256-22	20	Washer-Flat
37	3296-42	20	Nut-Lock, NI
38	3269-28	22	Rivet-Pop
39	3269-26	22	Washer-Plain
40	115-3759-03	1	Mount-Screen, RH
41	115-3758-03	1	Mount-Screen, LH
42	104-2255-03	1	Bracket-Latch, RH
43	115-8479	2	Seal-Foam



Air Cleaner and Muffler Assembly

Ref.	Part Number	Qty.	Description
1	114-3846	1	Hose-Air Cleaner
2	2412-110	1	Clamp-Band/Screw
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	2412-92	1	Clamp-Hose
8	114-3838	1	Hose-Air Cleaner
9	114-9781-03	1	Mount-Exhaust
10	33004-00	4	Nut-HF
11	114-3849	1	Muffler-Turbo
12	49-2580	1	Clamp-Muffler
13	114-9774	1	Pipe-Exhaust
14	33104-030	2	Screw-HHF
15	33104-016	6	Screw-HHF
16	322-9	2	Screw-HH

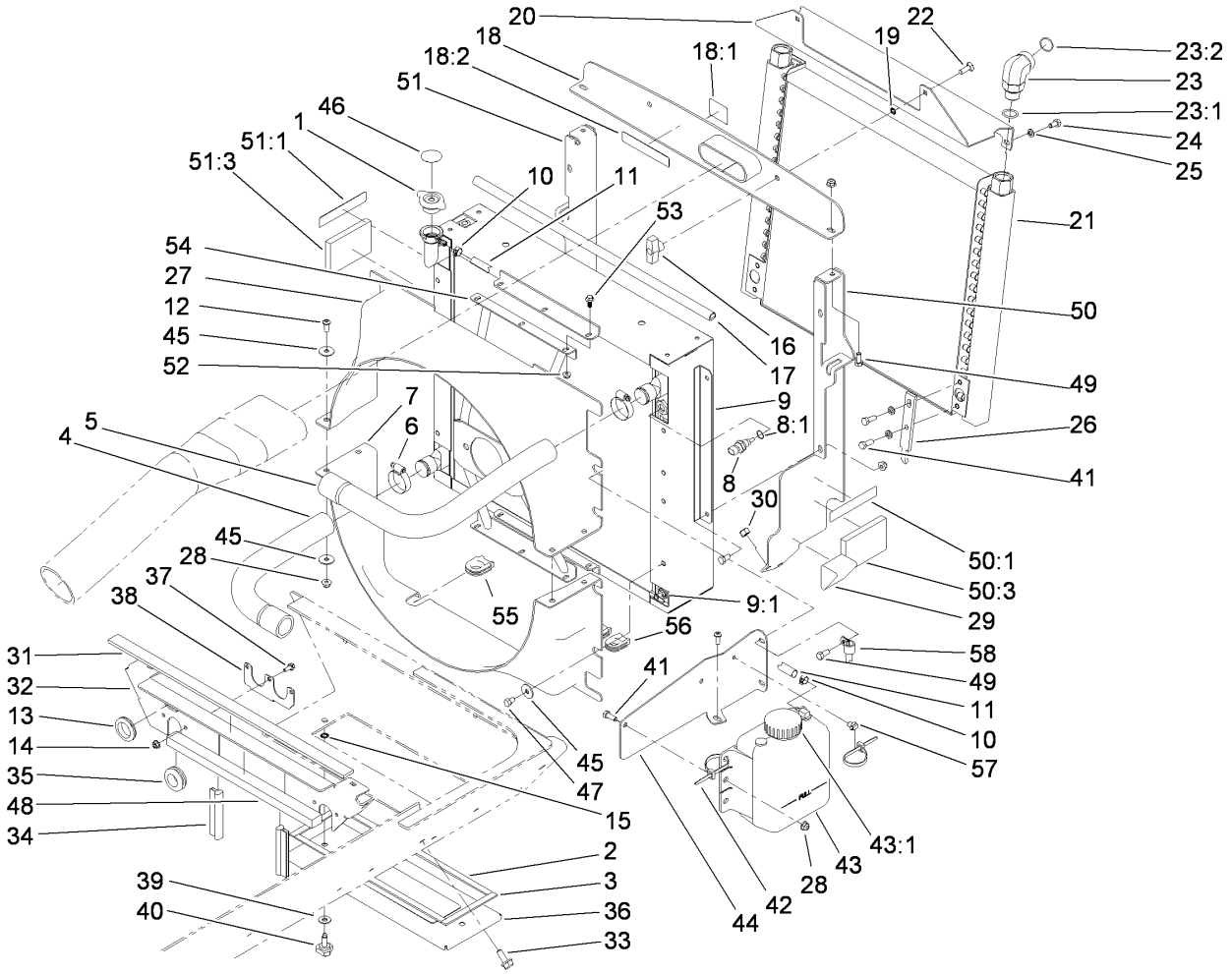
Ref.	Part Number	Qty.	Description
17	3256-3	8	Washer-Flat
18	93-5023	2	Spacer
19	95-5622	1	Hanger-Rubber
20	321-8	1	Screw-HH
21	99-7435	1	Relay
22	3296-42	3	Nut-Lock, NI
23	322-6	2	Screw-HH
24	110-8806	1	Pump-Fuel
25	110-9044	1	Separator-Filter
25:1	110-9049	1	Filter-Spin On
26	353-781	2	Fitting-HYD, 90
27	100-9333	1	Gasket-Muffler
28	2412-125	1	Clamp-Hose
29	321-4	2	Screw-HH
30	3256-22	2	Washer-Flat
31	32105-2	1	Screw-SHWH
32	3256-14	2	Washer-Flat
33	3296-2	1	Nut-Lock, NI
34	112-9113-03	1	Mount-Exhaust
35	110-8817	1	Bracket-Pump, Fuel
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

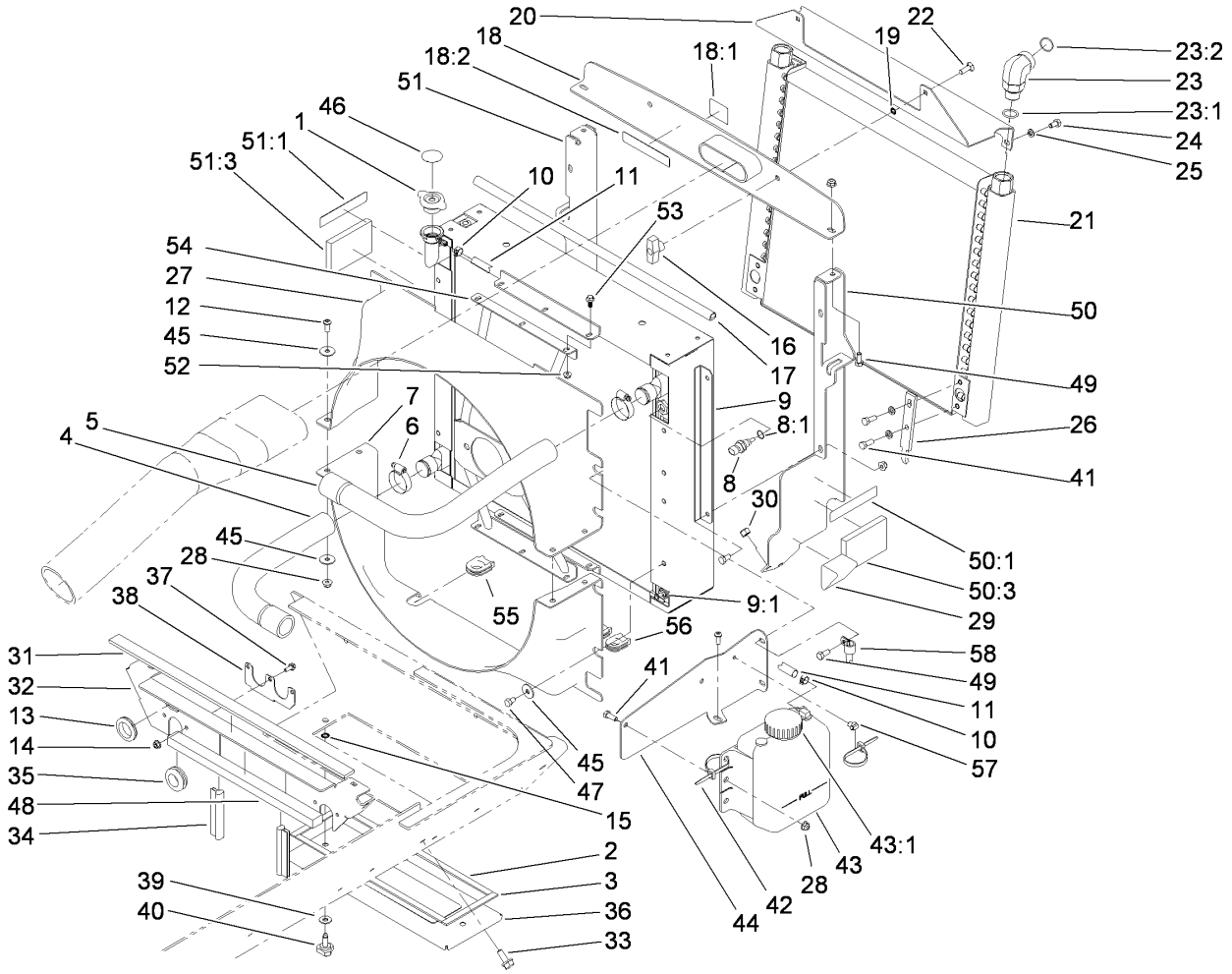
● Not serviced separately



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	114-3806-03	1	Bracket-Oil Cooler
21	115-3755	1	Cooler-Oil
22	3230-22	2	Screw-CARR
23	104-3796	2	Fitting-Elbow 90
23:1	237-81	1	O-Ring

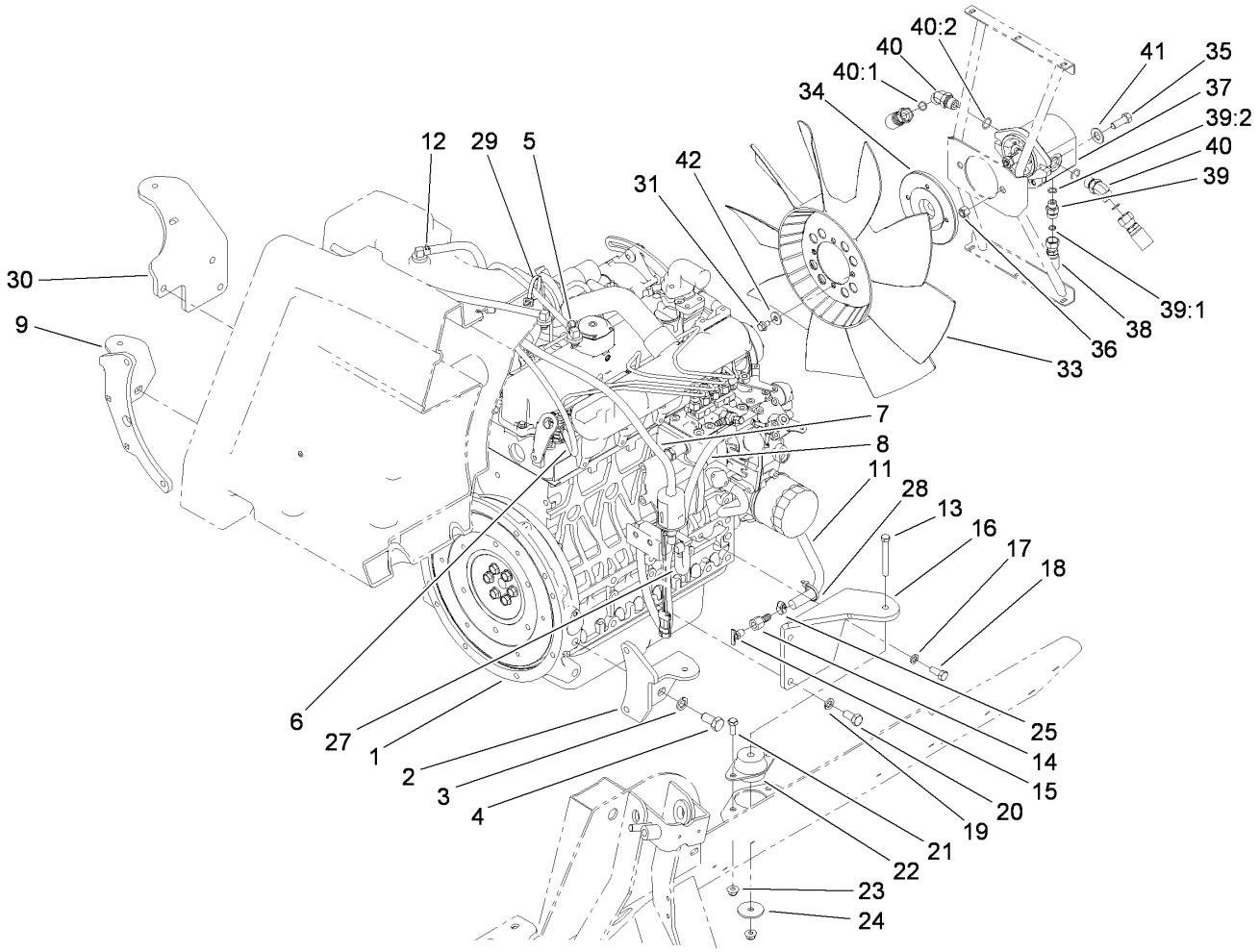
Ref.	Part Number	Qty.	Description
23:2	340-65	1	O-Ring
24	322-2	6	Screw-HH
25	3253-4	6	Washer-Lock
26	104-5460-03	2	Plate-Mount, Oil Cooler
27	114-3816	1	Shroud-Radiator, Upper
28	104-8300	10	Nut-HF, NI
29	93-5954	2	Plug-Foam
30	3296-39	6	Nut-Lock, NI
31	104-2226	1	Strip-Foam
32	114-9763-03	1	Bracket-Base
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	10	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

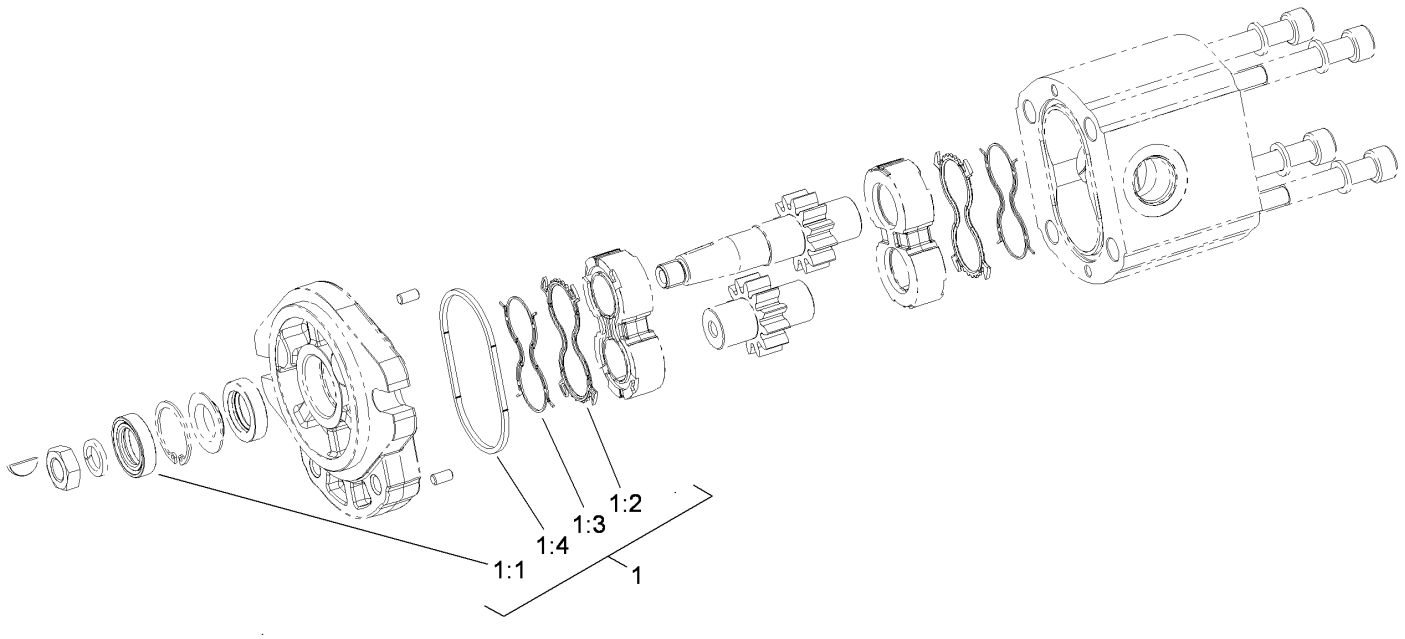
Ref.	Part Number	Qty.	Description
53	99-6810	6	Screw-HHF
54	114-9764-03	1	Bracket-Motor, Fan
55	115-3763	2	Grommet (.800 ID)
56	115-3764	1	Grommet (.680 ID)
57	32180-030	1	Clip-Tie
58	92-6064	2	Clamp-R



Engine Mount, Fuel Line and Fan Drive Assembly

Ref.	Part Number	Qty.	Description
1	114-3800	1	Engine ASM
2	114-3820-03	1	LH Engine Mount ASM
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	114-3810-03	1	RH Engine Mount ASM
11	99-7376	1	Hose-Breather
12	92-2379	7	Clamp-Hose
13	323-14	4	Screw-HH
14	354-94	1	Fitting-Female, Barbed
15	93-5528	1	Fitting-Cock, Drain
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

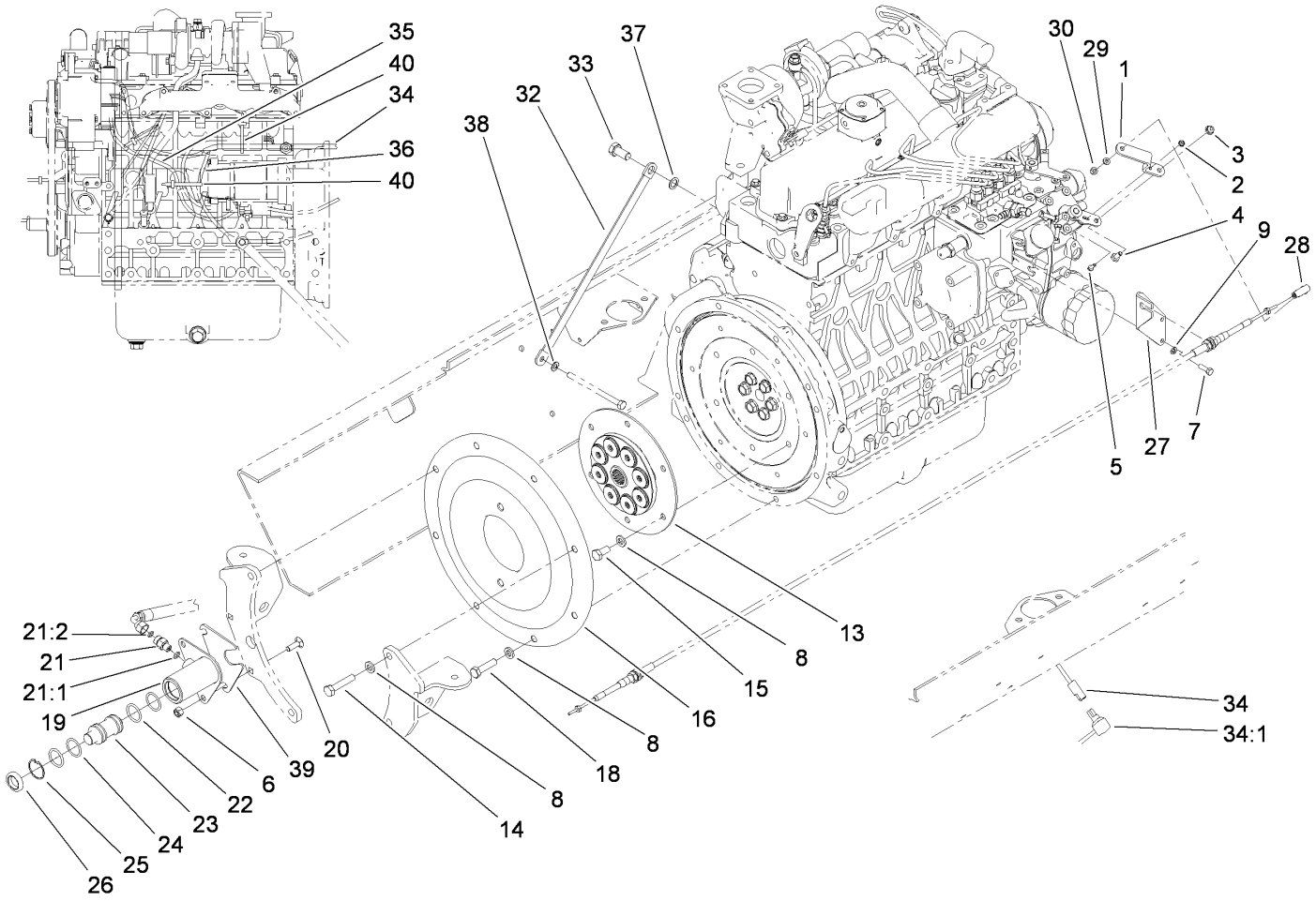
Ref.	Part Number	Qty.	Description
24	63-7400	4	Washer-Rebound
25	2412-108	2	Clamp-Worm
27	109-0274	2	Hose-Fuel
28	3290-379	1	Tie-Cable
29	3290-378	1	Tie-Cable
30	115-3766-03	1	Mount-Engine, Rear RH
31	115-8486	4	Screw-HH
33	114-3825	1	Fan
34	117-2364	1	Hub-Fan
35	324-5	2	Screw-HH
36	3296-48	2	Nut-Lock, 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

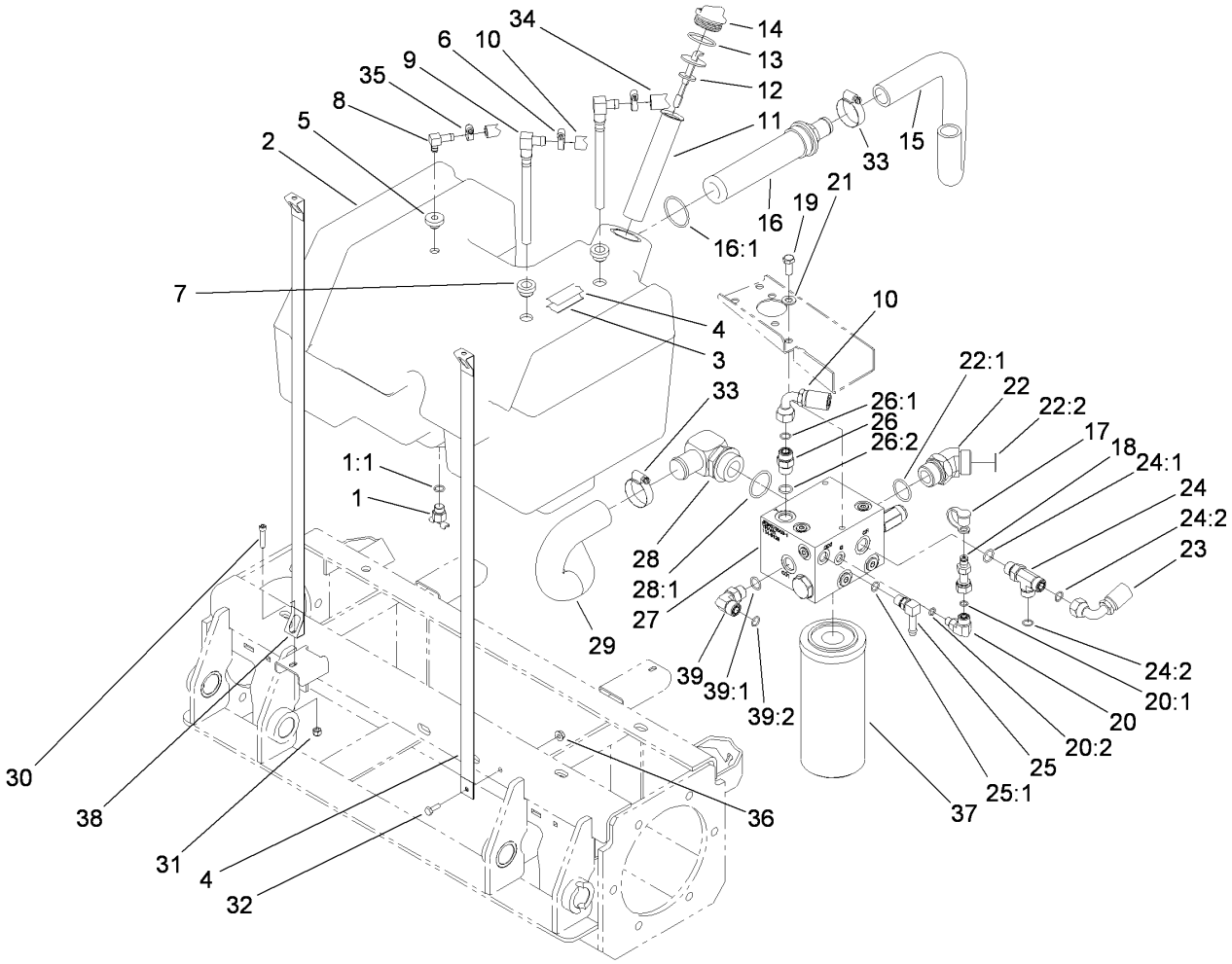


Flywheel and Throttle Assembly

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
6	3296-29	2	Nut-Lock, NI
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	115-8490	4	Screw-HH
15	99-5130	6	Bolt
16	114-3835	1	Plate-Flywheel
18	115-8489	4	Screw-HHCS
19	114-3830	1	Cylinder-Transport
20	112-6950	2	Screw-CARR
21	340-92	1	Fitting-Straight
21:1	237-78	1	O-Ring
21:2	237-21	1	O-Ring
22	237-185	2	O-Ring

Ref.	Part Number	Qty.	Description
23	104-2295	1	Piston-Cylinder
24	104-2296	2	Ring-Back Up
25	32151-51	1	Ring-Retaining
26	104-8304	1	Seal-Grease
27	114-9786	1	Support-Cable
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
39	115-3754	2	Shim-Cylinder
40	3290-378	5	Tie-Cable

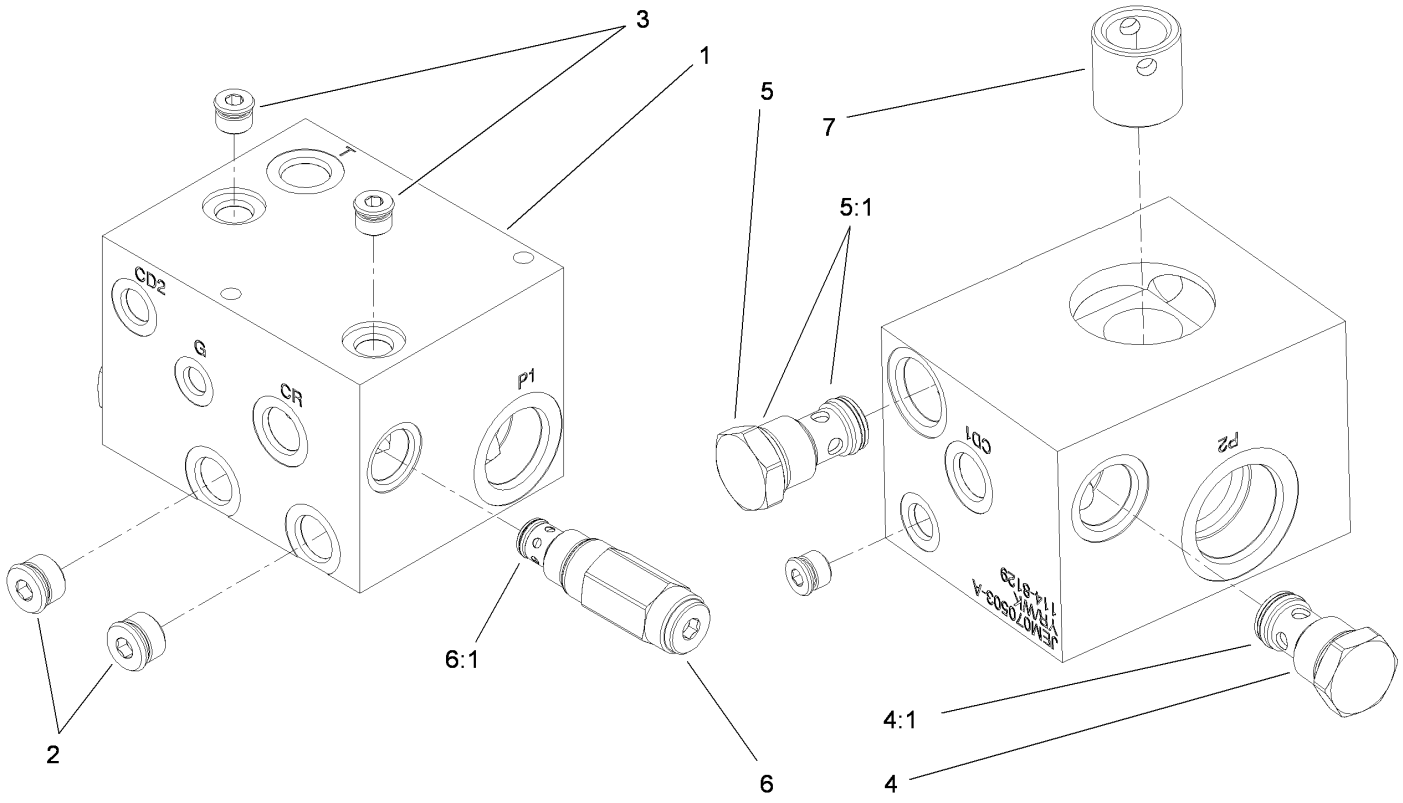
● Not illustrated



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	3	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	3	Washer-Flat
22	104-3509	1	Fitting-HYD, 45 DEG
22:1	237-146	1	O-Ring

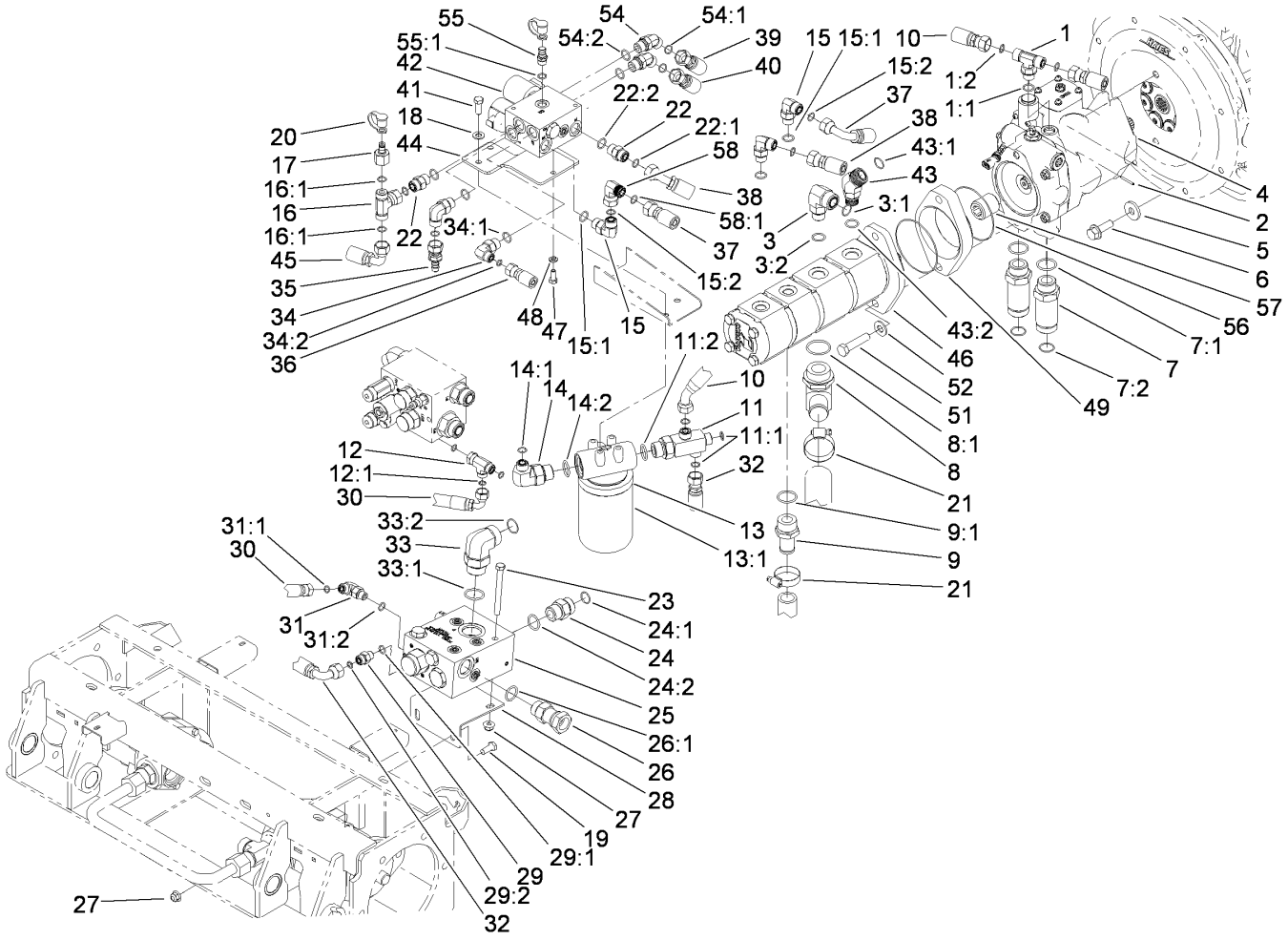
Ref.	Part Number	Qty.	Description
22:2	340-65	1	O-Ring
23	105-7927	1	Hose-HYD
24	340-109	1	Fitting-Tee
24:1	237-79	1	O-Ring
24:2	237-30	2	O-Ring
25	100-4887	1	Fitting-Elbow, 90
25:1	237-42	1	O-Ring
26	340-4	1	Fitting-Straight
26:1	237-30	1	O-Ring
26:2	237-79	1	O-Ring
27	114-8129	1	HYD Filter Manifold 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

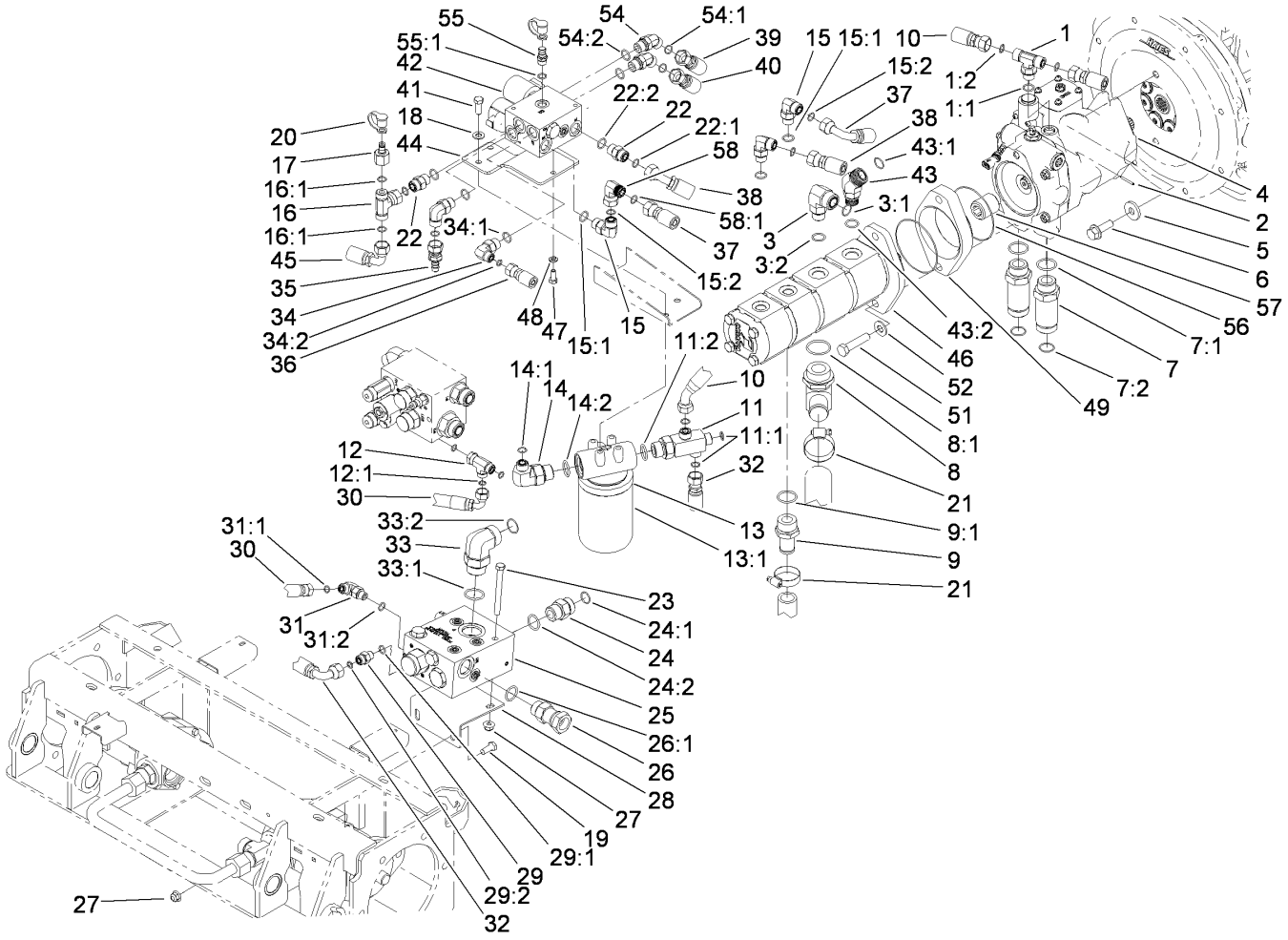


Pump Installation and Filter Assembly

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		1	Pump-Piston ●
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	106-4318	1	Fitting
11:1	237-30	3	O-Ring
11:2	237-81	1	O-Ring
12	340-115	1	Fitting-Tee, Swivel Nut
12:1	237-22	2	O-Ring
13	93-2242	1	Filter-Oil
13:1	75-1310	1	Filter-HYD

Ref.	Part Number	Qty.	Description
14	340-131	1	Fitting-HYD, 90 DEG
14:1	237-30	1	O-Ring
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
19	323-5	2	Screw-HH
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	323-42	1	Screw-HH
24	340-9	1	Fitting-STR
24:1	237-58	1	O-Ring
24:2	237-81	1	O-Ring
25	112-9124	1	Traction Manifold ASM
26	106-2009	1	Fitting-HYD, Swivel
26:1	237-81	1	O-Ring
27	104-8301	3	Nut-HF, NI
28	105-3232-03	1	Bracket-Valve

● Not serviced separately

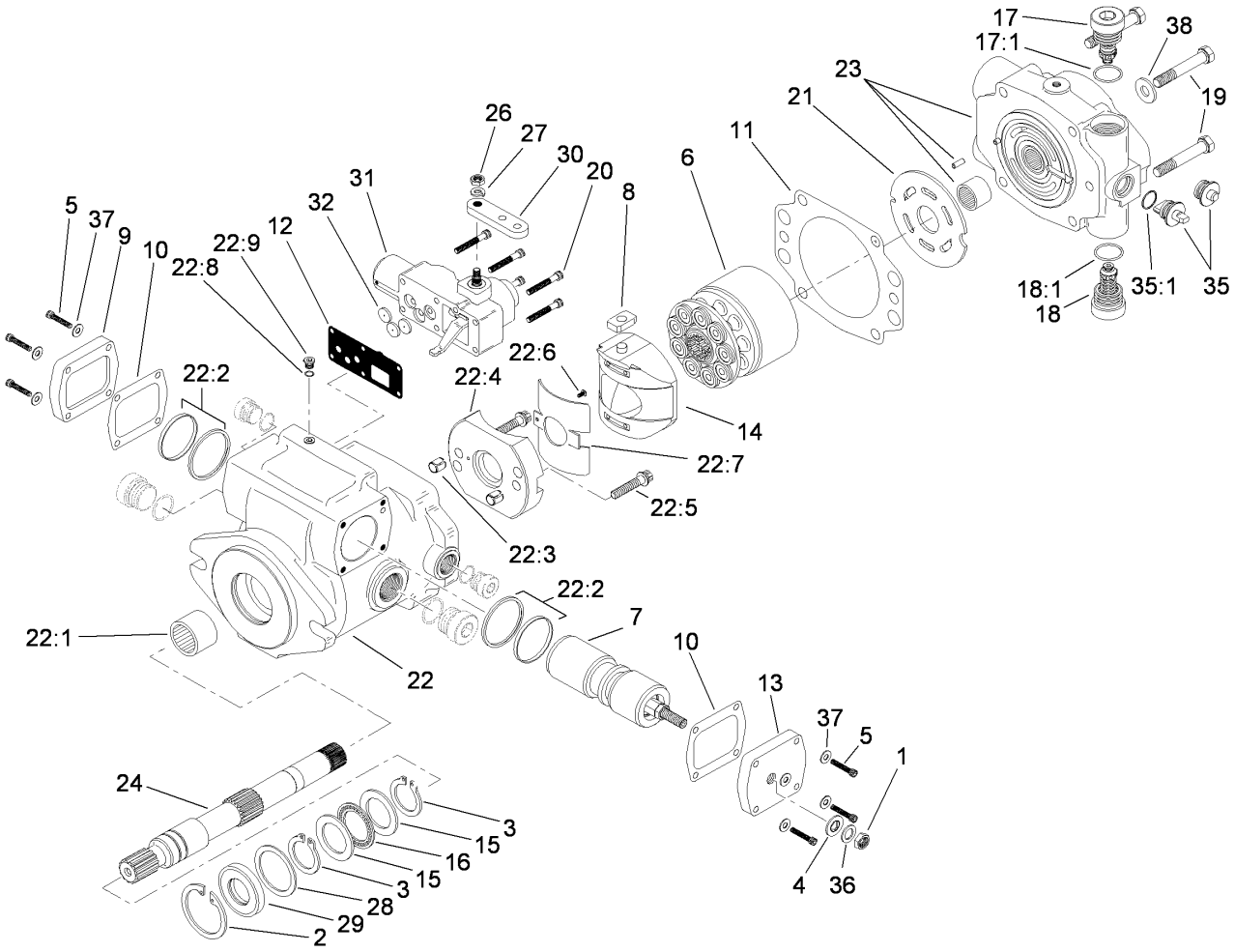


Pump Installation and Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
29	340-2	1	Fitting-Straight
29:1	237-22	1	O-Ring
29:2	237-42	1	O-Ring
30	66-8490	1	Hose-HYD
31	340-77	1	Fitting-Elbow, 90 DEG
31:1	237-22	1	O-Ring
31:2	237-42	1	O-Ring
32	110-6106	1	HYD Hose ASM
33	340-129	1	Fitting-Elbow, 90 DEG
33:1	237-146	1	O-Ring
33:2	340-65	1	O-Ring
34	340-18	1	Fitting-HYD, 90 DEG
34:1	237-79	1	O-Ring
34:2	237-22	1	O-Ring
35	114-9772	1	Hose ASM
36	69-8440	1	Hose ASM
37	105-3985	1	Hose-HYD
38	95-3737	1	HYD Hose ASM
39	114-3827	1	Hose ASM
40	114-3822	1	Hose ASM
41	323-6	2	Screw-HH

Ref.	Part Number	Qty.	Description
42	114-3847	1	Fan Drive Manifold ASM
43	115-3768	1	Fitting-HYD, 45 DEG
43:1	237-58	1	O-Ring
43:2	237-80	1	O-Ring
44	114-9784-03	1	Mount-Manifold
45	104-4584	1	Hose-HYD
46	114-9770	1	Pump ASM
47	322-3	2	Screw-HH
48	3253-4	2	Washer-Lock
49	115-3757	1	Spacer-Pump
51	115-8488	2	Screw-HH
52	87-7270	2	Washer-Thrust
54	340-101	2	Fitting-HYD, 45 DEG
54:1	237-30	1	O-Ring
54:2	237-79	1	O-Ring
55	59-7410	1	Fitting-Diagnostic
55:1	237-42	1	O-Ring
56	115-3009	2	O-Ring
57	115-3011	1	Coupler-Pump
58	94-6031	1	Fitting-HYD
58:1	237-30	1	O-Ring

● Not serviced separately

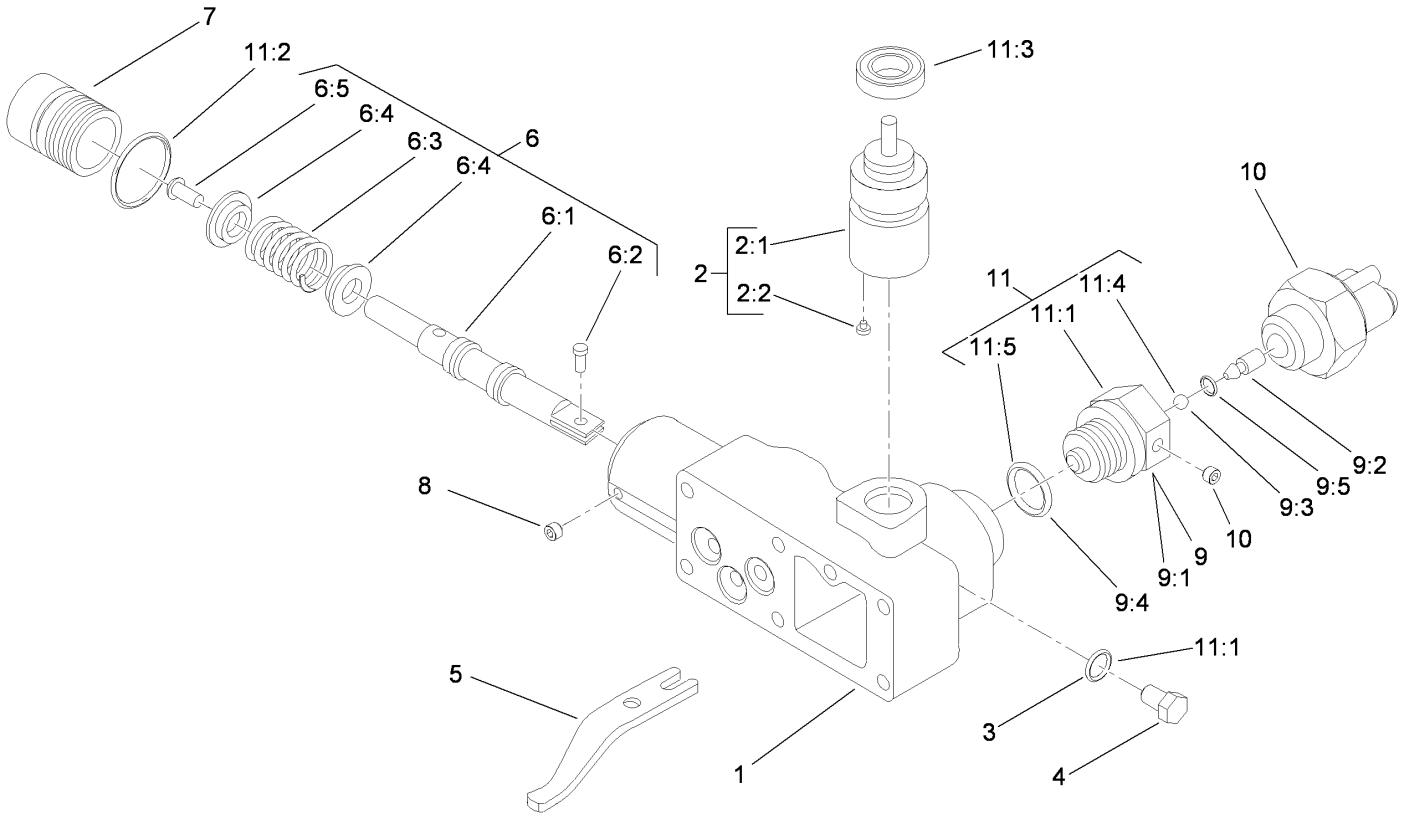


Piston Pump Assembly No. 114-9769

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

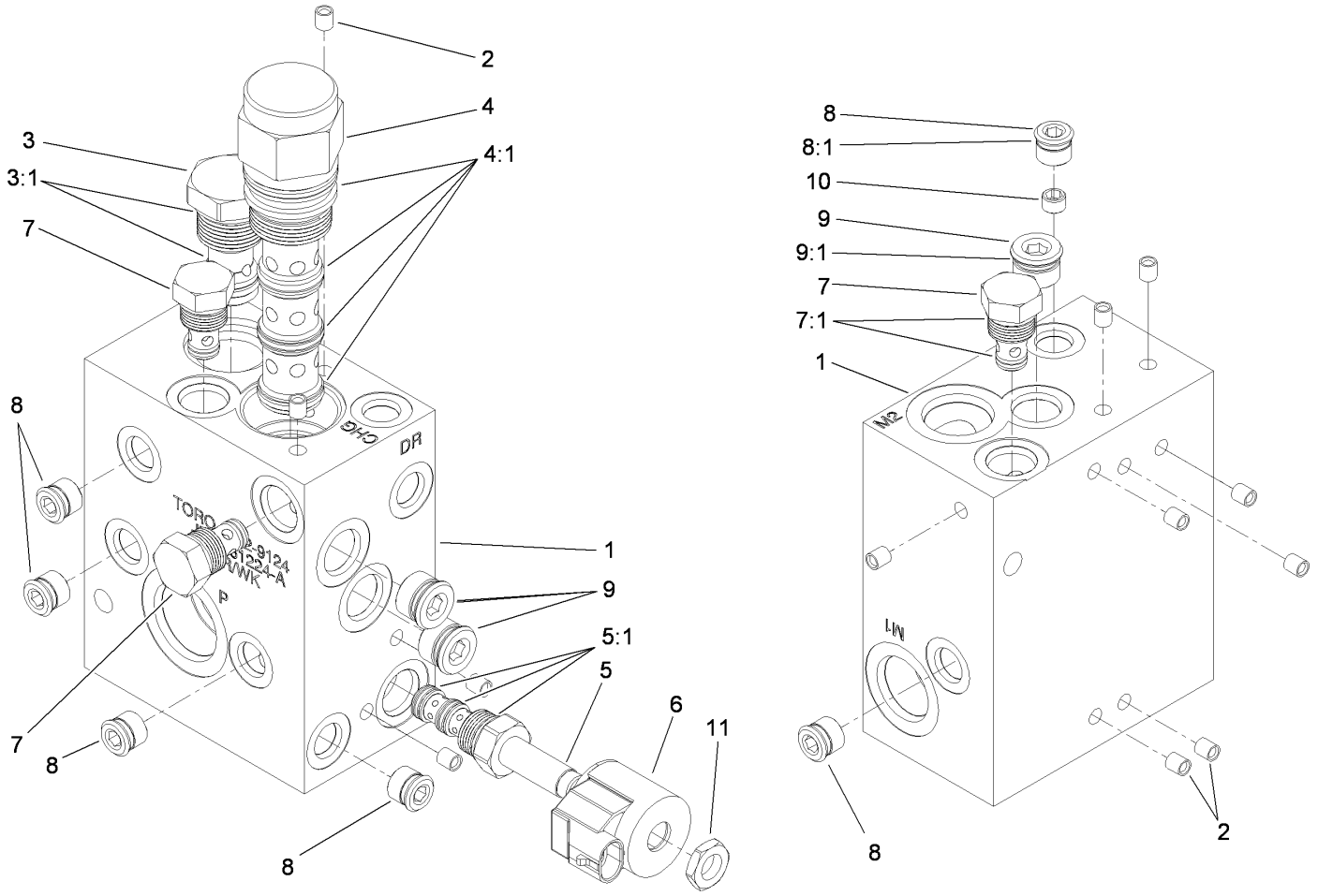


Control Assembly No. 115-4446

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

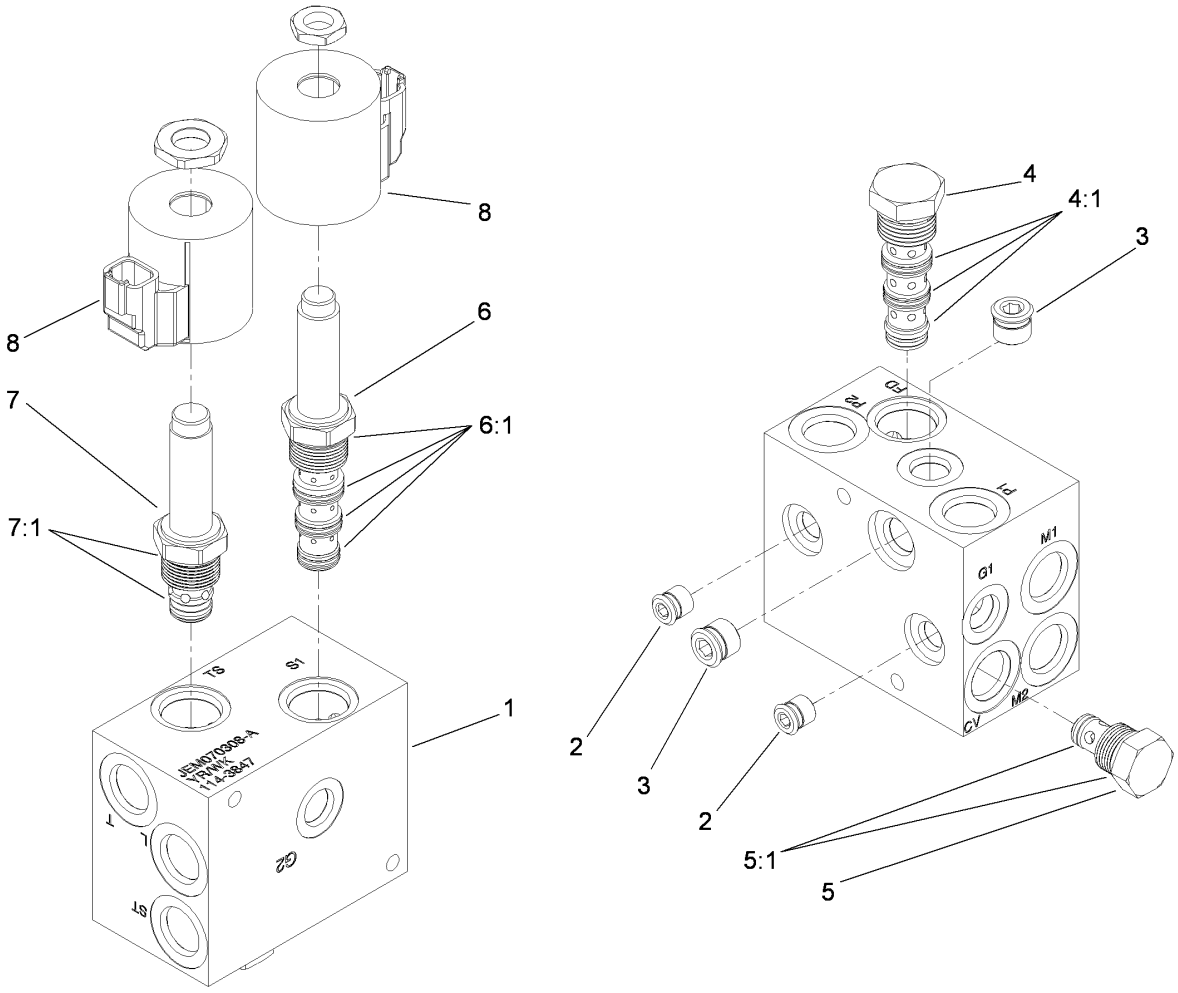


Traction Manifold Assembly No. 112-9124

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold ■
2		13	Plug ■
3	106-1997	1	Valve-Divider, Flow ▲
3:1	110-6111	1	Seal Kit
4	106-1996	1	Valve-Directional, Piloted
4:1	106-6775	1	Seal Kit ●
5	106-1995	1	Valve-3 Way
5:1	110-8773	1	Seal Kit ●
6	105-9333	1	Coil-12Vdc
7	105-9321	3	Check Valve ASM
7:1	105-9156	1	Seal Kit
8	353-989	6	Plug-Hex, Hollow
8:1	237-42	1	O-Ring
9	353-988	3	Plug-Hex
9:1	237-79	1	O-Ring
10	105-9326	1	Orifice
11	105-9332	1	Nut-E Coil

● Not illustrated
▲ Used in Groundsmaster 4000 Series

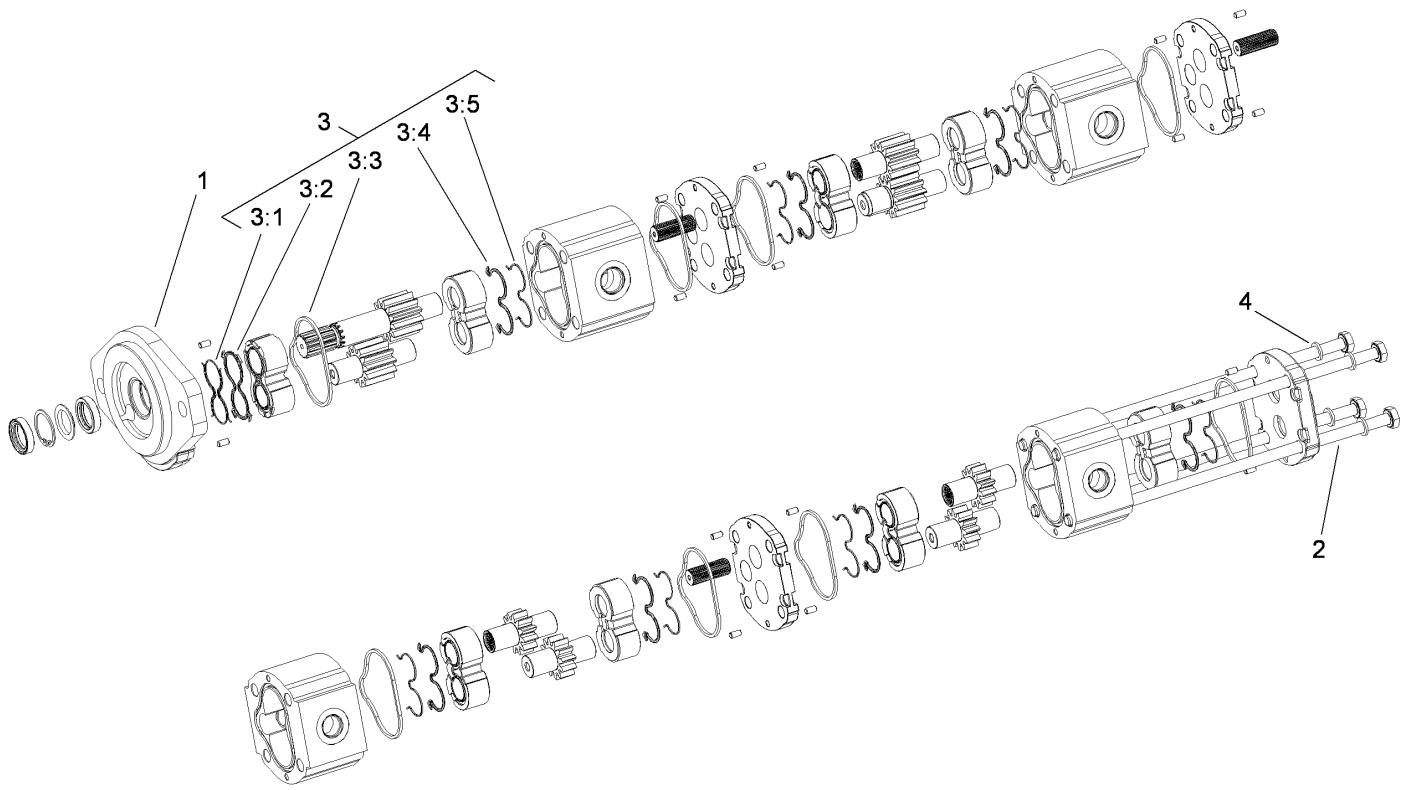
■ Not serviced separately



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

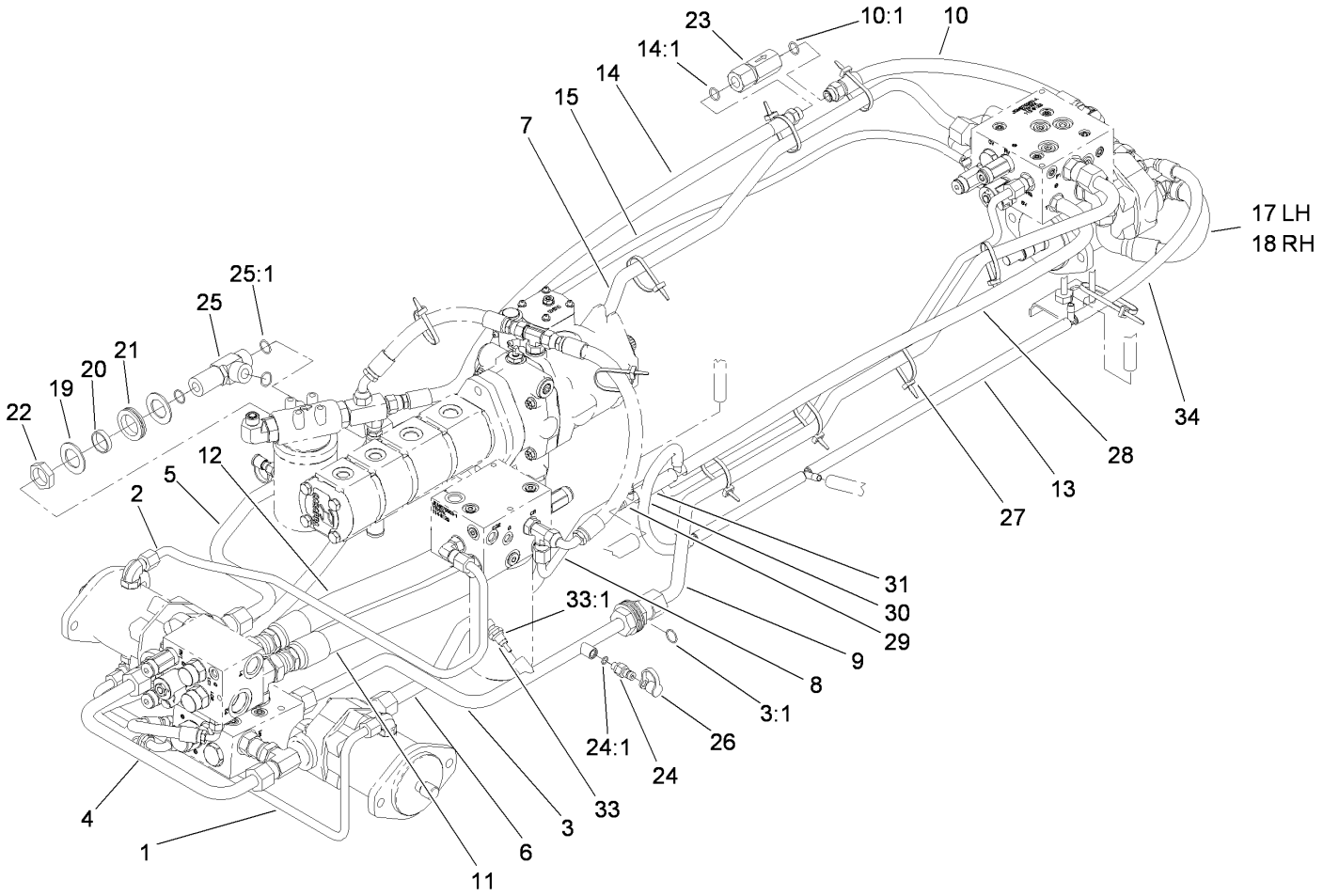
● Not serviced separately



Pump Assembly No. 114-9770

Ref.	*Part Number*	*Qty.*	*Description*
1	115-3774	1	Cover-Front
2	115-3775	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

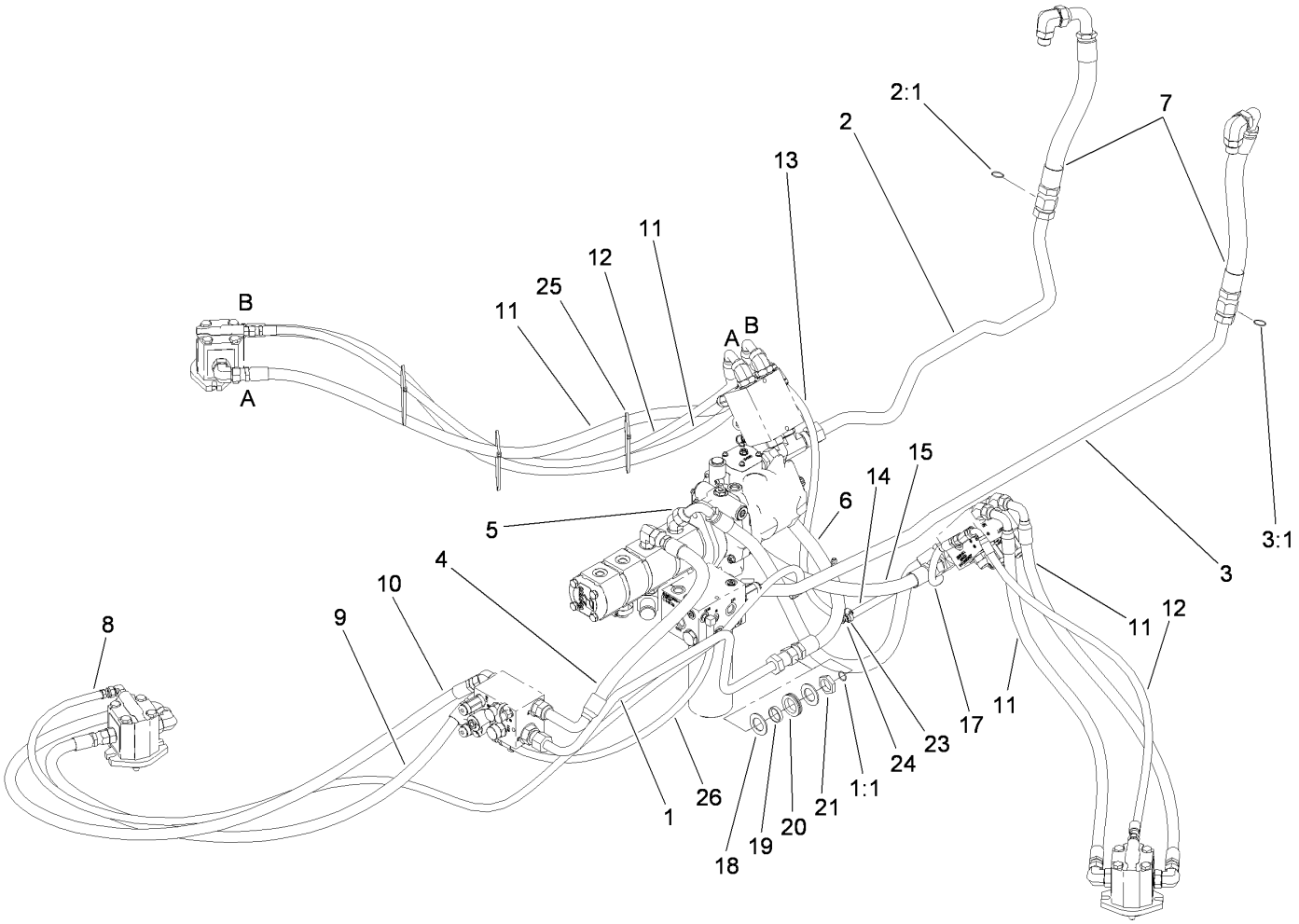
● Not serviced separately



Traction Hydraulic Plumbing Assembly

Ref.	Part Number	Qty.	Description
1	100-3095	1	Tube-HYD
2	115-8451	1	Tube-HYD
3	115-8464	1	HYD Tube ASM
3:1	237-58	1	O-Ring
4	100-5574	1	Tube-HYD, Motor Front
5	104-3581	1	Tube-HYD, RH Motor
6	115-8450	1	Tube-HYD, Motor LH
7	100-5571	1	Tube-HYD, RH Rear Traction
8	115-8453	1	Tube-HYD, Charge LH
9	115-3769	1	Tube-HYD, Traction LH Rear
10	100-5617	1	Hose ASM
10:1	237-79	1	O-Ring
11	115-8484	1	HYD Hose ASM
12	115-8483	1	HYD Hose ASM
13	115-8466	1	Hose
14	104-2237	1	Hose ASM
14:1	237-79	1	O-Ring
15	100-5643	1	Hose ASM

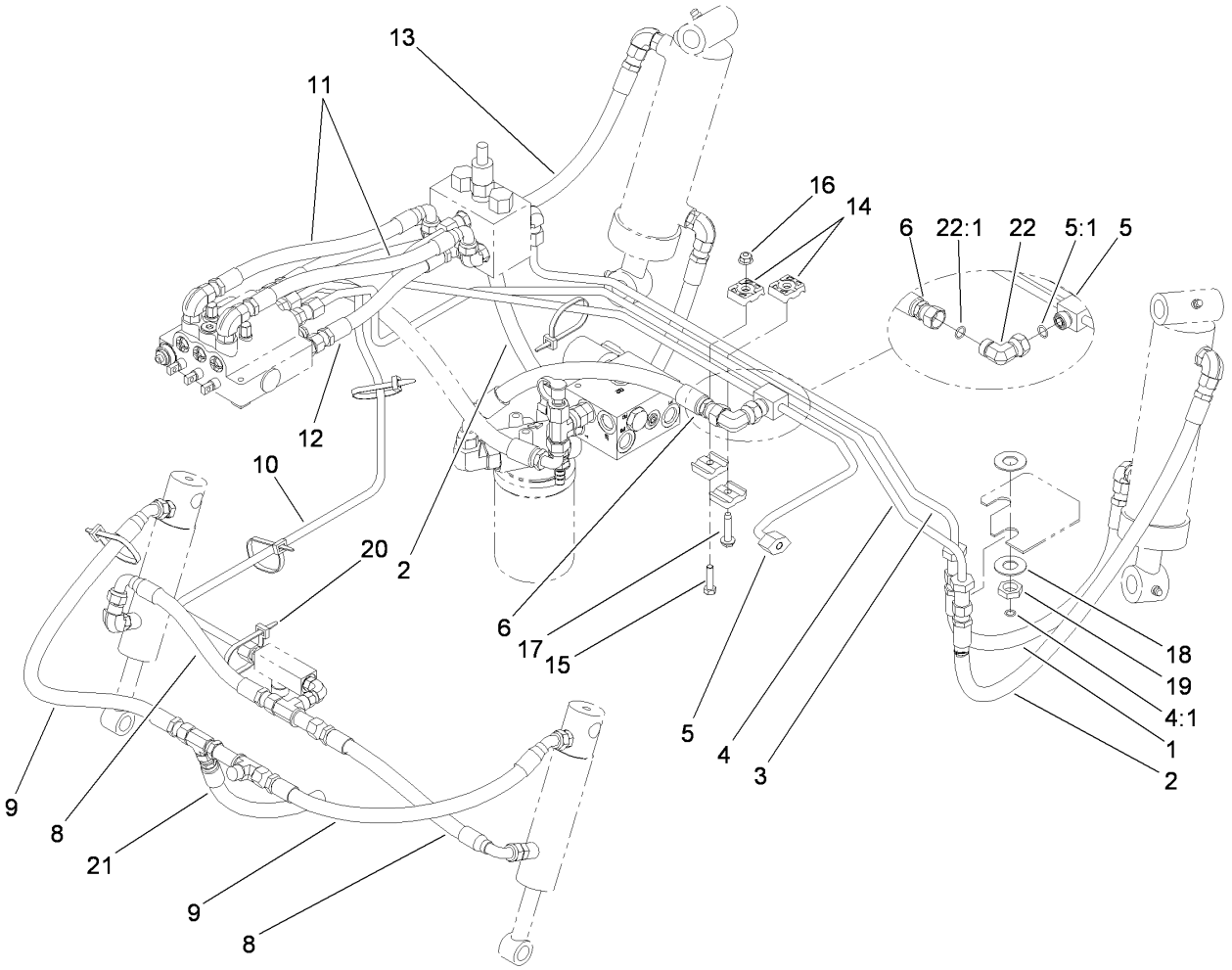
Ref.	Part Number	Qty.	Description
17	100-5579	1	Hose ASM
18	104-3502	1	Hose ASM
19	69-8910	4	Washer
20	69-8900	2	Spacer
21	240-7	2	Grommet-Rubber
22	340-126	2	Nut-Bulkhead
23	100-5600	1	Valve-Check
24	354-77	2	Fitting-Quick
24:1	237-78	1	O-Ring
25	104-3558	1	Fitting-Bulkhead
25:1	237-58	3	O-Ring
26	354-79	2	Cap-Dust
27	3290-378	13	Tie-Cable
28	110-6153	1	Hose
29	99-7371	2	Connector-Tee
30	100-5607	1	Hose
31	110-6190	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 Plumbing Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-0795	1	Tube-HYD, Front PTO
1:1	237-58	1	O-Ring
2	104-0796	1	Tube-HYD, RH Cooler
2:1	340-65	1	O-Ring
3	115-8452	1	HYD Tube ASM
3:1	340-65	1	O-Ring
4	95-0961	1	Hose ASM
5	114-3837	1	Hose ASM
6	115-3772	1	Hose ASM
7	115-3771	2	Hose ASM
8	112-9126	1	Hose ASM
9	104-2261	1	Hose ASM
10	104-2260	1	Hose ASM
11	104-2263	4	Hose ASM

Ref.	*Part Number*	*Qty.*	*Description*
12	104-2265	2	Hose-HYD
13	100-5570	1	Hose ASM
14	100-5649	2	Hose
15	100-5645	1	Hose ASM
17	100-5641	1	Hose ASM
18	69-8910	2	Washer
19	69-8900	1	Spacer
20	240-7	1	Grommet-Rubber
21	340-126	1	Nut-Bulkhead
23	2412-36	13	Clamp-Hose
24	354-107	2	Fitting-HYD, Tee
25	3290-379	15	Tie-Cable
26	115-8476	1	Hose ASM

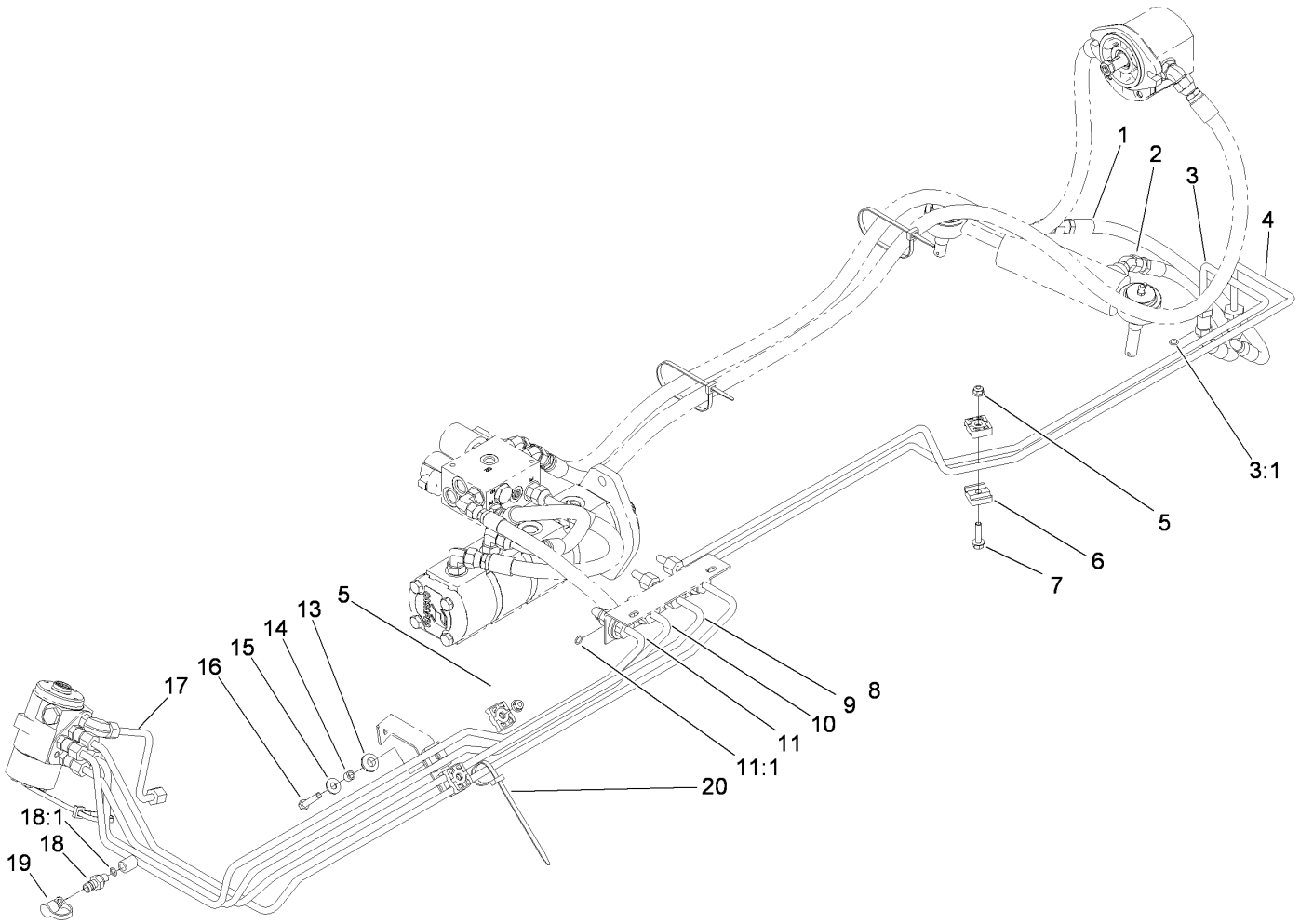


Lift Arm Hydraulic Plumbing Assembly

Ref.	Part Number	Qty.	Description
1	100-5629	1	Hose ASM
2	100-5630	2	Hose ASM
3	100-3087	1	Tube-HYD, Left Return
3:1	237-22	1	O-Ring ●
4	100-3088	1	Tube-HYD, Lift
4:1	237-22	1	O-Ring
5	100-3089	1	Tube-HYD, Charge
5:1	237-30	1	O-Ring
6	114-9768	1	Hose ASM
8	104-2234	2	Hose-HYD
9	92-7595	2	Hose-HYD
10	105-7371	1	Tube-HYD
11	104-2240	2	Hose ASM

Ref.	Part Number	Qty.	Description
12	100-5589	1	Hose ASM
13	100-5631	1	Hose ASM
14	56-7973	4	Clamp-Tube
15	322-6	1	Screw-HH
16	104-8300	1	Nut-HF, NI
17	32144-57	1	Screw
18	69-8940	4	Washer
19	340-70	2	Nut-Lock
20	3290-378	5	Tie-Cable
21	104-2234	1	Hose-HYD
22	94-6031	1	Fitting-HYD
22:1	237-30	1	O-Ring

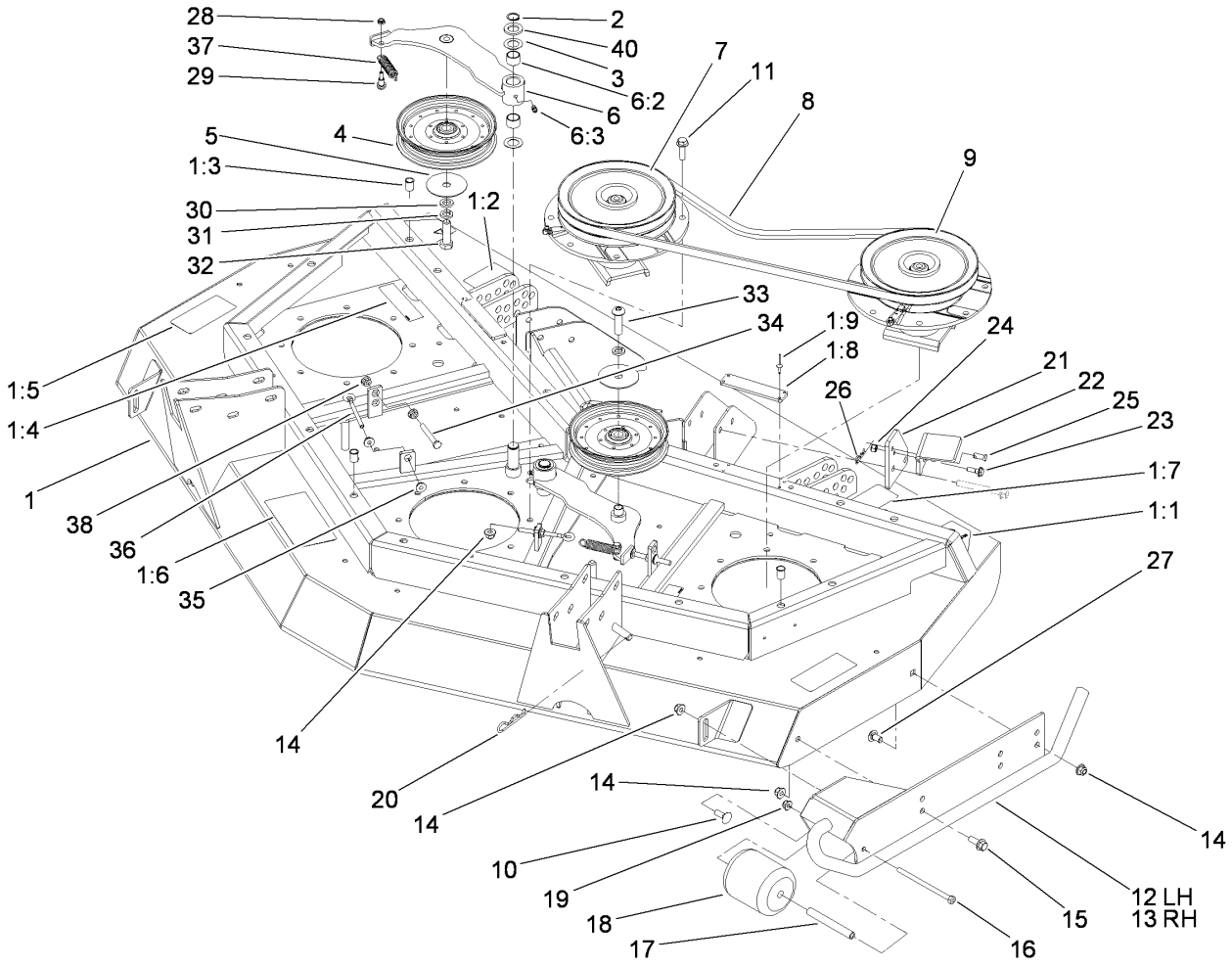
● Not illustrated



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
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	4	Tie-Cable

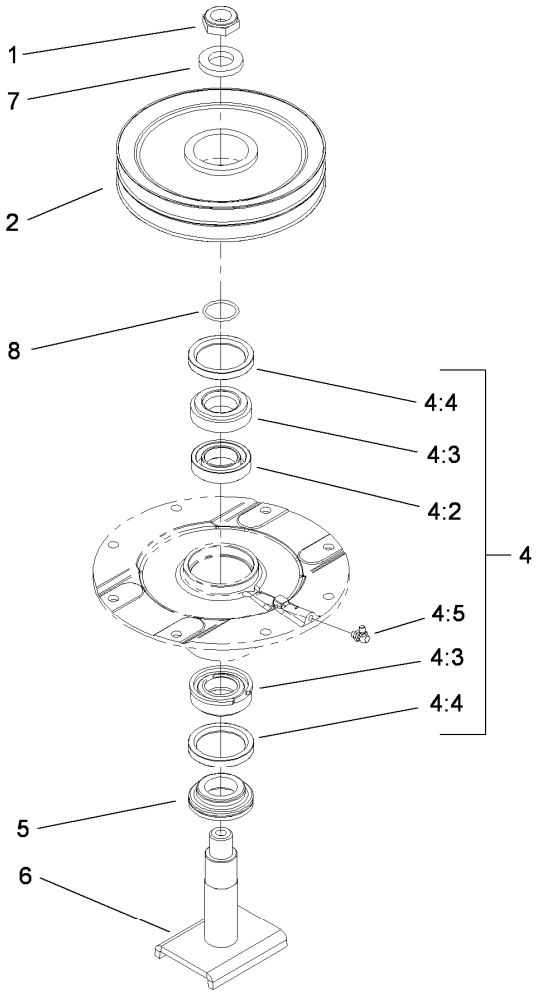
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Front Deck, Idler and Skid Assembly

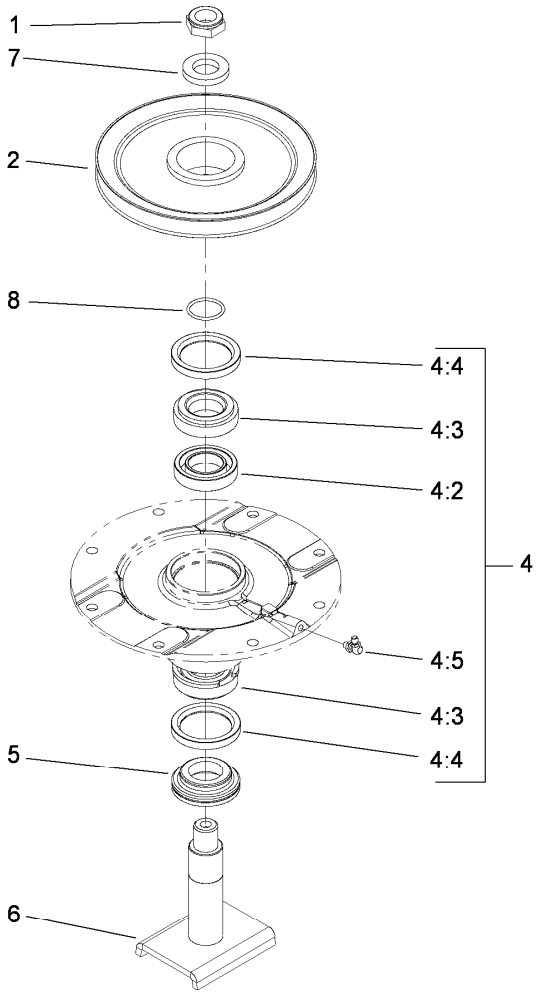
Ref.	Part Number	Qty.	Description
1	110-3294	1	Front Deck ASM
1:1	106-6753	2	Decal-Danger, CE
1:2	100-5624	1	Decal-HOC, RH
1:3	32148-9	3	Nut-Clinch
1:4	100-6578	4	Decal-Danger
1:5	93-7818	2	Decal-Torque, Blade Bolt
1:6	100-5622	1	Decal-HOC
1:7	104-3578	1	Decal-HOC, LH
1:8	105-0786	2	Pad-Plastic
1:9	3269-24	8	Rivet
2	32120-72	2	Ring-Snap
3	3-6498	4	Washer-Thrust
4	110-9596	2	Pulley-Idler
5	100-3102	2	Washer-Flat
6	110-6128	2	Idler Arm ASM
6:2	256-76	2	Bushing
6:3	302-5	1	Fitting-Grease
7	104-3530	1	Double Driven Spindle ASM
8	108-8076	2	V-Belt, Deck
9	104-3531	1	High Driven Spindle ASM
10	3231-2	2	Bolt-CARR
11	3234-24	20	Screw-HHF
12	100-5612-01	1	LH Skid ASM
13	100-5605-01	1	RH Skid ASM
14	104-8301	26	Nut-HF, NI

Ref.	Part Number	Qty.	Description
15	3234-42	2	Screw-HHF
16	322-29	2	Screw-HH
17	105-4549	2	Spacer-Roller
18	93-4803	2	Roller-Deck
19	104-8300	2	Nut-HF, NI
20	3290-355	1	Pin-Hair
21	106-2033-01	1	Plate-Latch
22	106-2032-01	1	Latch-Deck
23	11-9030	1	Screw-Shoulder
24	3296-42	1	Nut-Lock, NI
25	283-62	1	Pin-Clevis
26	3290-467	1	Pin-Hair
27	3231-21	2	Screw-CARR
28	3296-56	2	Nut-Lock, NI
29	104-0858	2	Bolt-Shoulder
30	9202424	1	Spacer
31	3253-7	2	Washer-Lock
32	325-7	1	Screw-HH
33	108-1993	1	Screw-HSBH
34	9114524	2	Bolt-TAP, HH
35	32128-14	4	Nut-HF
36	68-0090	2	Screw-Adjusting
37	107938	2	Spring-Extension
38	32128-26	4	Nut-Flange
40	70-1160	2	Washer



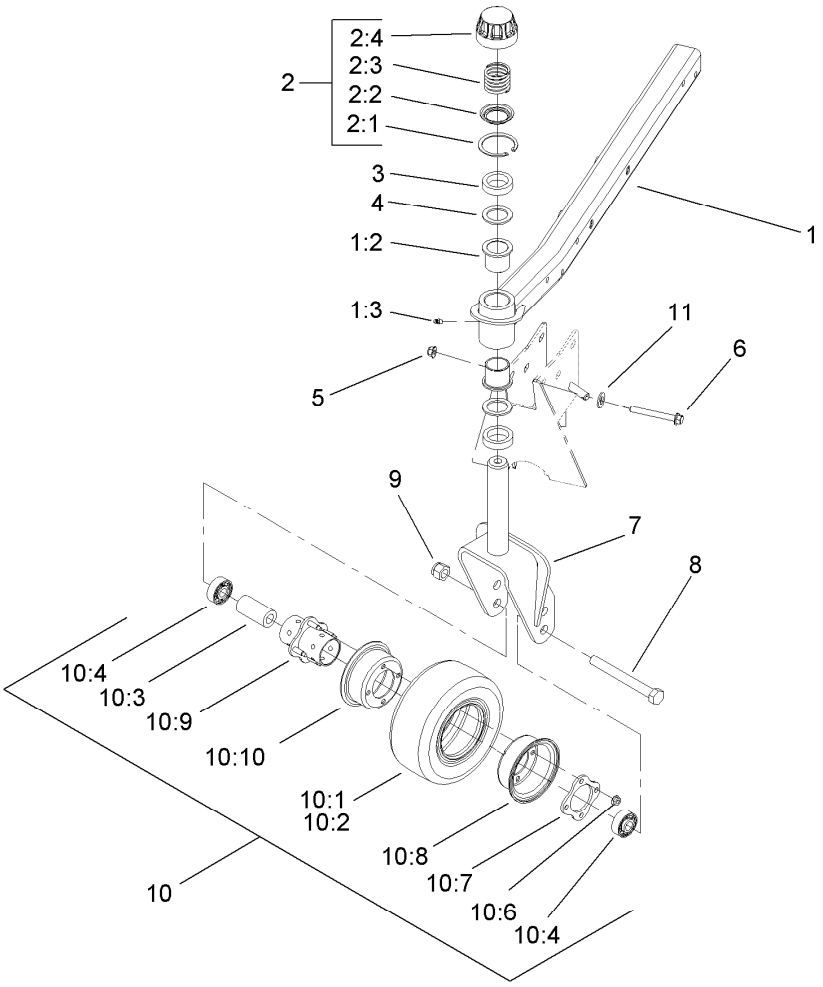
Double Driven Spindle Assembly No. 104-3530

Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3547	1	Pulley-Driven, Double
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



High Driven Spindle Assembly No. 104-3531

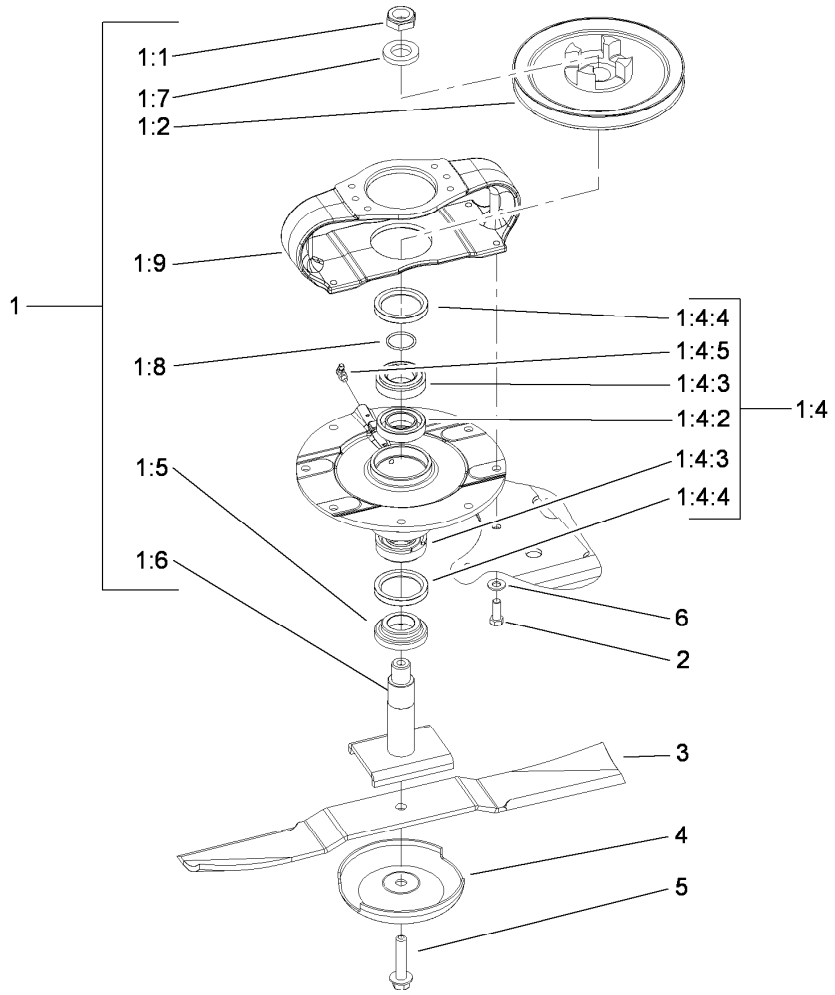
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3548	1	Pulley-Driven, High
4	104-3552	1	Spindle Housing ASM
4:2	104-3549	1	Bearing Spacer Set
4:3	110-8297	1	Bearing ASM
4:4	253-154	2	Seal-Oil
4:5	302-60	1	Fitting-Grease
5	69-6950	1	Spacer-Shaft, Spindle
6	104-3554	1	Shaft-Spindle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



Front Deck Castor Arm and Tire Assembly

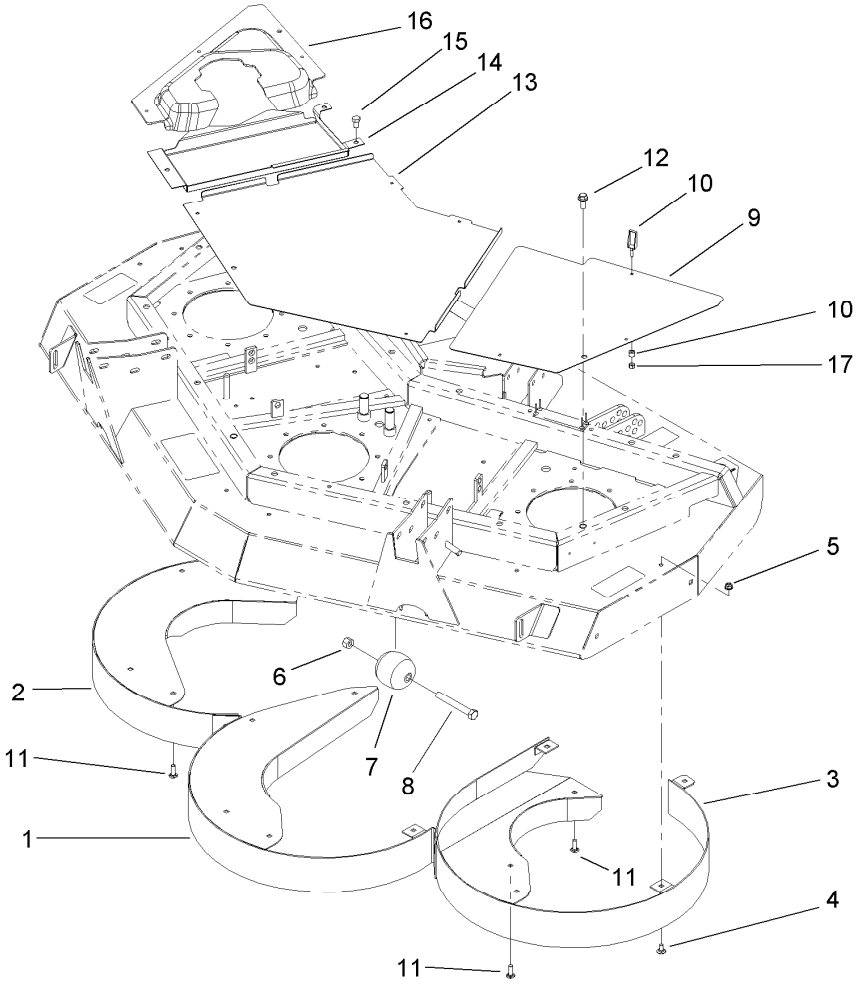
Ref.	Part Number	Qty.	Description
1	100-8091	1	Front RH Castor Arm ASM
1	100-8092	1	Front LH Castor Arm ASM
1:2	69-6470	2	Bushing-Castor
1:3	302-5	1	Fitting-Grease
2	92-9727	2	HOC Cap ASM
2:1	92-5581	1	Ring-Retaining
2:2	92-5583	1	Washer-Cap
2:3	92-9726	1	Spring-Compression
2:4	92-8861	1	Cap-HOC
3	69-1510	10	Spacer
4	69-6860	4	Washer-Thrust
5	104-8301	10	Nut-HF, NI
6	323-15	10	Screw-HH
7	104-0762-01	2	Fork-Castor
8	327-24	2	Screw-HH

Ref.	Part Number	Qty.	Description
9	3296-53	2	Nut-Lock, NI
10	93-5974	2	8 Inch Foam Filled Wheel ASM
10	93-9938	2	Wheel ASM
10:1	93-9939	1	Tire
10:2	68-8950	1	Tube-Inner (W/Valve)
10:3	93-4241	1	Spacer-Bearing, Inner
10:4	93-4237	2	Bearing
10:6	32128-16	4	Nut-HHF
10:7	93-4242	1	Plate
10:8	93-4239	1	Rim-Wheel, Half
10:9	93-5980	1	Hub
10:10	95-2741	1	Rim-Wheel, Half
11	3256-24	10	Washer-Flat



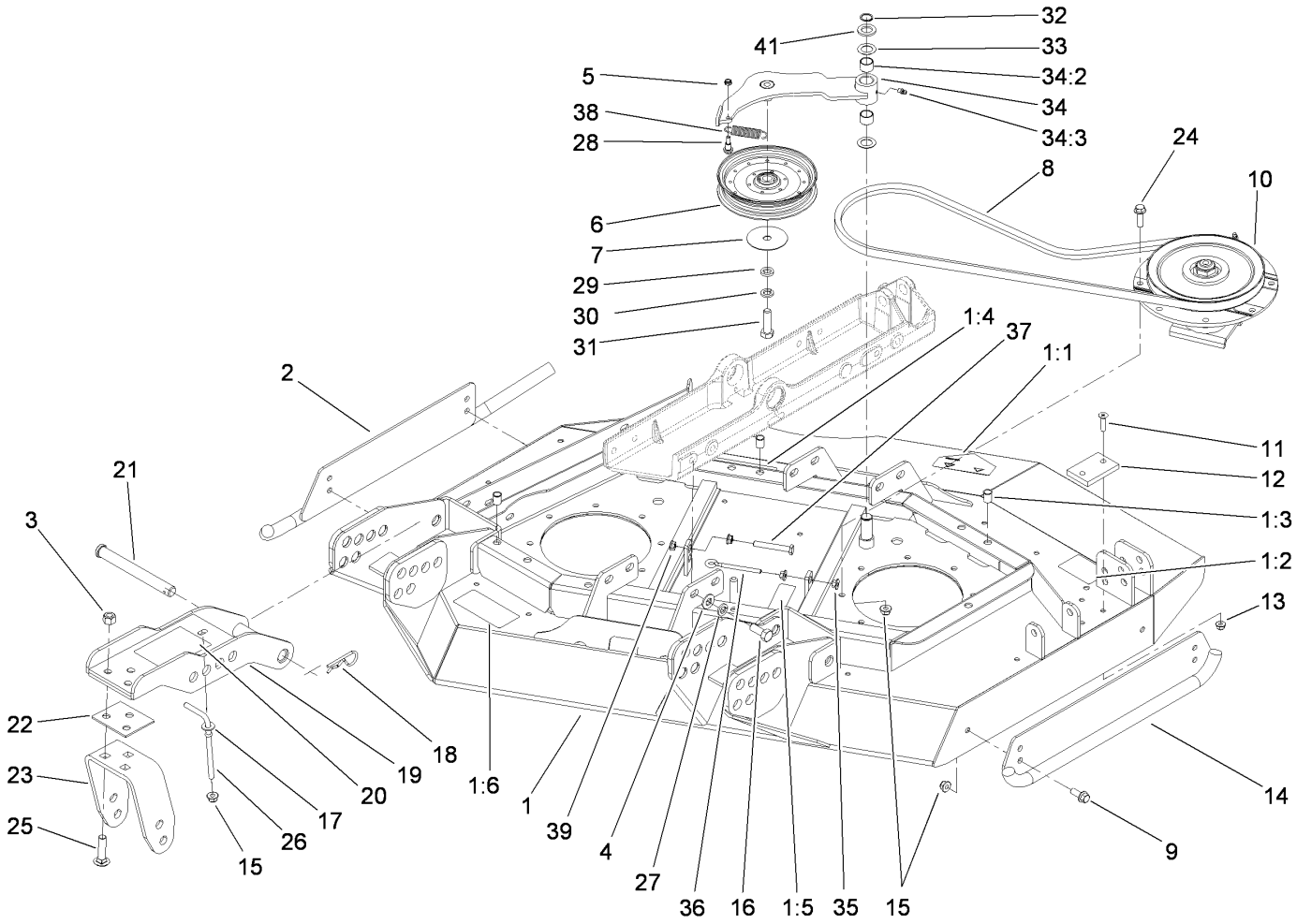
Front Deck Spindle Installation Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-3529	1	Driving Spindle ASM
1:1	3296-60	1	Nut-Lock, NI
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	104-3544	1	Mount-Motor, Drive
2	323-6	4	Screw-HH
3	92-5608-03	3	Blade
4	72-9361	3	Cup-Scalp, Anti
5	92-5816	3	Bolt-Blade
6	3256-24	4	Washer-Flat



Front Deck Rear Discharge Chamber and Cover Assembly

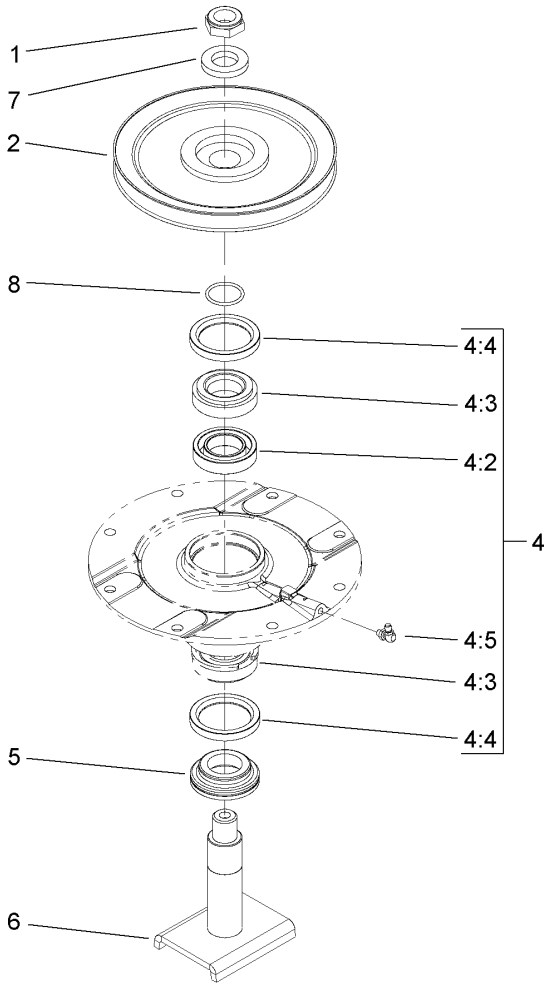
Ref.	*Part Number*	*Qty.*	*Description*
1	104-2200-01	1	Chamber-Center
2	104-2201-01	1	Chamber-RH
3	104-2202-01	1	Chamber-LH
4	3230-18	15	Screw-CARR
5	104-8300	18	Nut-HF, NI
6	3296-45	2	Nut-Hex
7	29-4820	2	Roller
8	325-17	2	Screw-HH
9	100-5663-03	1	Cover-Front, LH
10	74-5950	10	Latch-Swell
11	3230-22	3	Screw-CARR
12	3234-42	3	Screw-HHF
13	100-5660-03	1	Cover-Front, Center
14	100-5662-03	1	Cover-Front, RH
15	32144-69	3	Screw-HWHTF
16	100-5661	1	Cover-Front, Center
17	1-804254	10	Nut-Lock, HH



Right Hand Deck, Idler and Skid Assembly

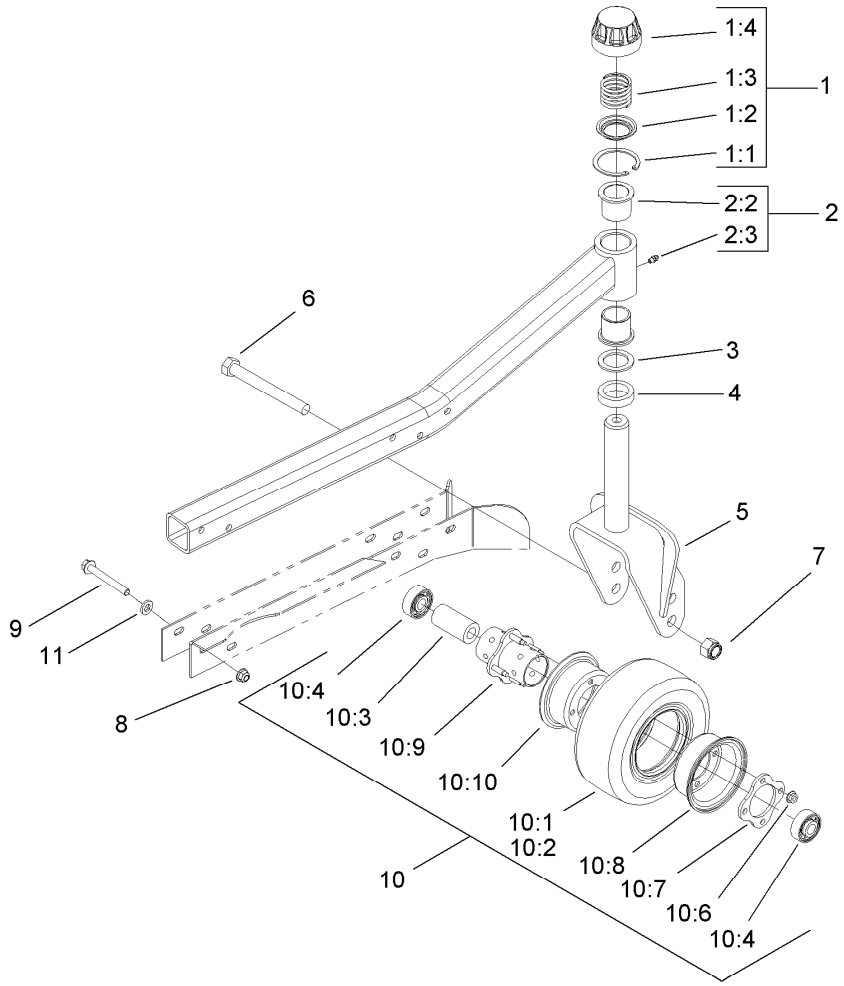
Ref.	Part Number	Qty.	Description
1	110-3295	1	Right Deck ASM
1:1	106-6753	1	Decal-Danger, CE
1:2	100-5694	1	Decal-Rear HOC, RH
1:3	32148-9	3	Nut-Clinch
1:4	100-5622	1	Decal-HOC
1:5	100-6578	3	Decal-Danger
1:6	93-7818	1	Decal-Torque, Blade Bolt
2	100-5620-01	1	RH Skid ASM
3	3296-45	6	Nut-Hex
4	3256-26	8	Washer-Flat
5	3296-56	1	Nut-Lock, NI
6	110-9596	1	Pulley-Idler
7	100-3102	1	Washer-Flat
8	108-8076	1	V-Belt, Deck
9	3234-42	4	Screw-HHF
10	104-3532	1	Low Driven Spindle ASM
11	32108-103	2	Screw-FH
12	69-9290	1	Pad-Bumper
13	104-8300	2	Nut-HF, NI
14	104-2250-01	1	Skid-Side
15	104-8301	18	Nut-HF, NI
16	325-5	8	Screw-HH
17	3256-3	2	Washer-Flat
18	3290-343	4	Pin-Hair

Ref.	Part Number	Qty.	Description
19	104-7529-01	2	Bracket-Castor
20	100-5623	1	Decal-HOC
21	100-5569	4	Pin-Clevis
22	104-7524	8	Shim
23	104-7525-01	2	Bracket-Fork
24	3234-24	12	Screw-HHF
25	3233-4	6	Screw-CARR
26	106-2047	2	Rod-Tension
27	3253-7	8	Washer-Lock
28	104-0858	1	Bolt-Shoulder
29	9202424	1	Spacer
30	3253-7	1	Washer-Lock
31	325-7	1	Screw-HH
32	32120-72	1	Ring-Snap
33	3-6498	2	Washer-Thrust
34	110-6128	1	Idler Arm ASM
34:2	256-76	2	Bushing
34:3	302-5	1	Fitting-Grease
35	32128-14	2	Nut-HF
36	68-0090	1	Screw-Adjusting
37	9114524	1	Bolt-TAP, HH
38	107938	1	Spring-Extension
39	32128-26	2	Nut-Flange
41	70-1160	1	Washer



Low Driven Idler Assembly No. 104-3532

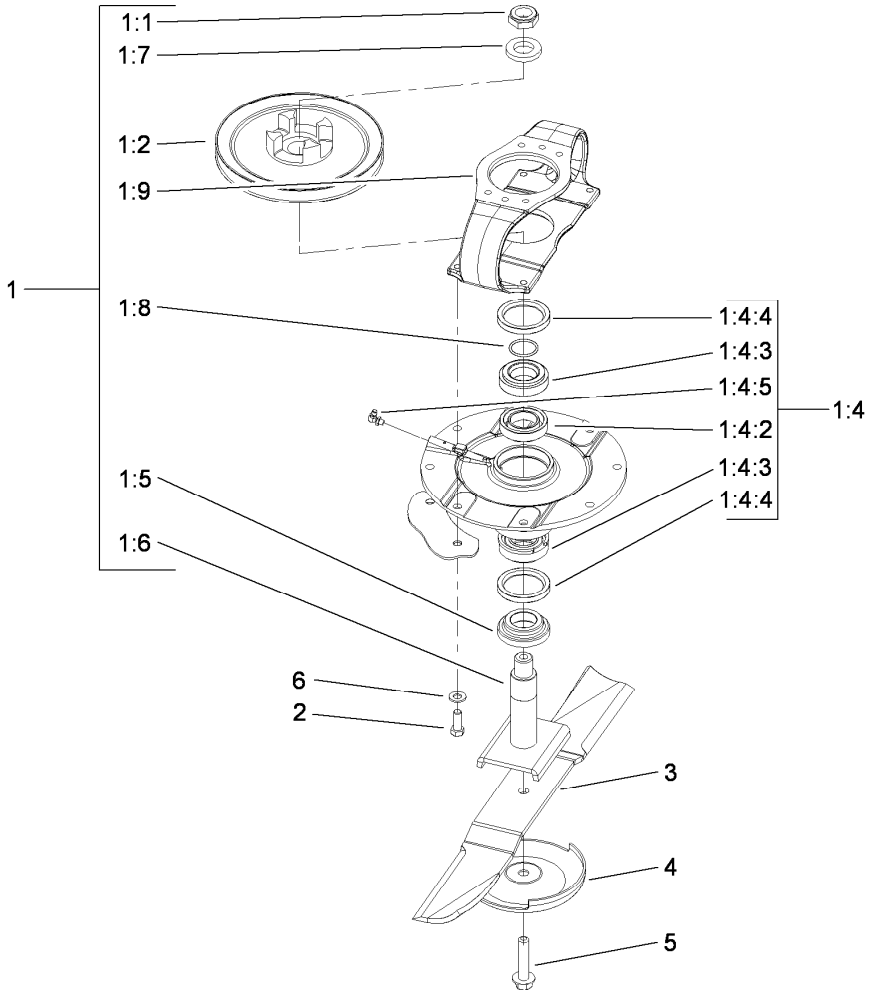
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-60	1	Nut-Lock, NI
2	104-3546	1	Pulley-Driven, Low
4	104-3552	1	Spindle Housing ASM
4:2	104-3549	1	Bearing Spacer Set
4:3	110-8297	1	Bearing ASM
4:4	253-154	2	Seal-Oil
4:5	302-60	1	Fitting-Grease
5	69-6950	1	Spacer-Shaft, Spindle
6	104-3554	1	Shaft-Spindle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



Right and Left Hand Castor Arm and Tire Assembly

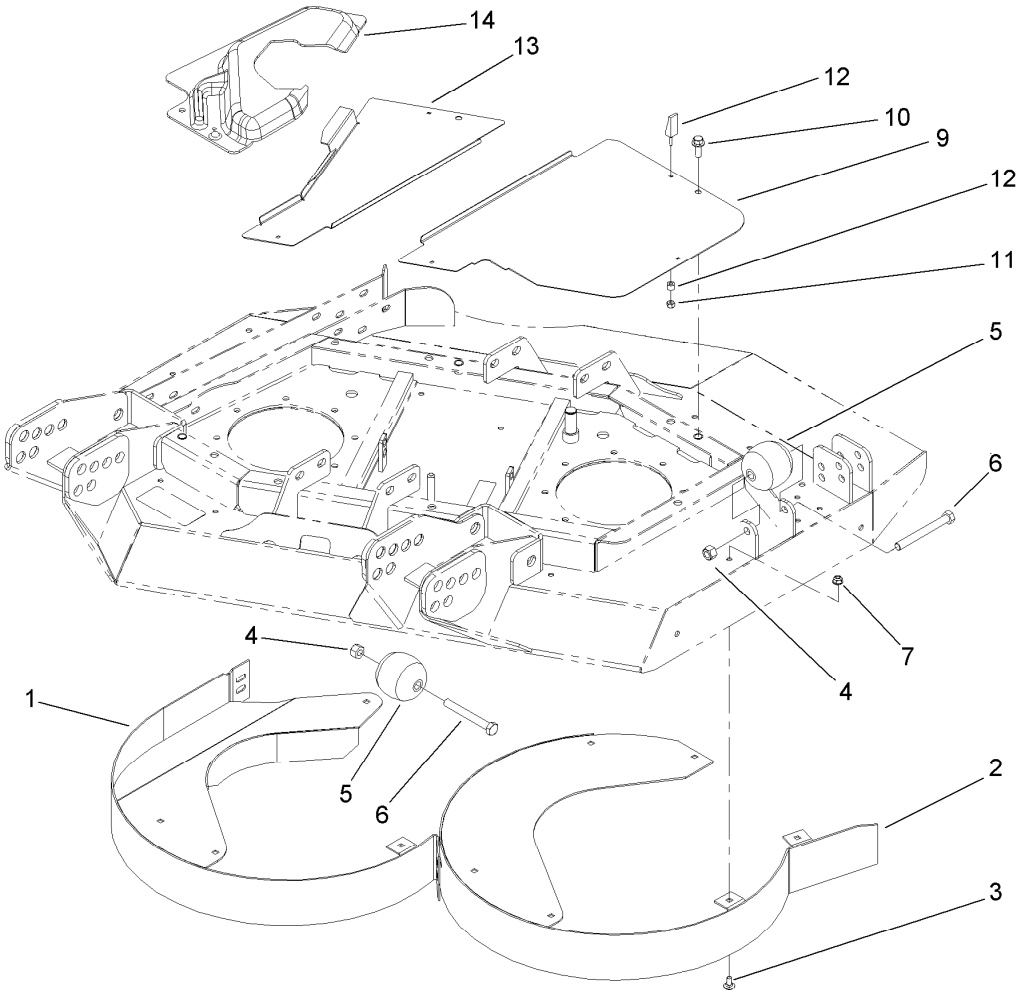
Ref.	Part Number	Qty.	Description
1	92-9727	1	HOC Cap ASM
1:1	92-5581	1	Ring-Retaining
1:2	92-5583	1	Washer-Cap
1:3	92-9726	1	Spring-Compression
1:4	92-8861	1	Cap-HOC
2	100-8093	1	Side Castor Arm ASM
2:2	69-6470	2	Bushing-Castor
2:3	302-5	1	Fitting-Grease
3	69-6860	2	Washer-Thrust
4	69-1510	5	Spacer
5	104-0762-01	1	Fork-Castor
6	327-24	3	Screw-HH
7	3296-53	3	Nut-Lock, NI
8	104-8301	5	Nut-HF, NI

Ref.	Part Number	Qty.	Description
9	323-15	5	Screw-HH
10	93-9938	3	Wheel ASM
10	93-5974	3	8 Inch Foam Filled Wheel ASM
10:1	93-9939	1	Tire
10:2	68-8950	1	Tube-Inner (W/Valve)
10:3	93-4241	1	Spacer-Bearing, Inner
10:4	93-4237	2	Bearing
10:6	32128-16	4	Nut-HHF
10:7	93-4242	1	Plate
10:8	93-4239	1	Rim-Wheel, Half
10:9	93-5980	1	Hub
10:10	95-2741	1	Rim-Wheel, Half
11	3256-24	5	Washer-Flat



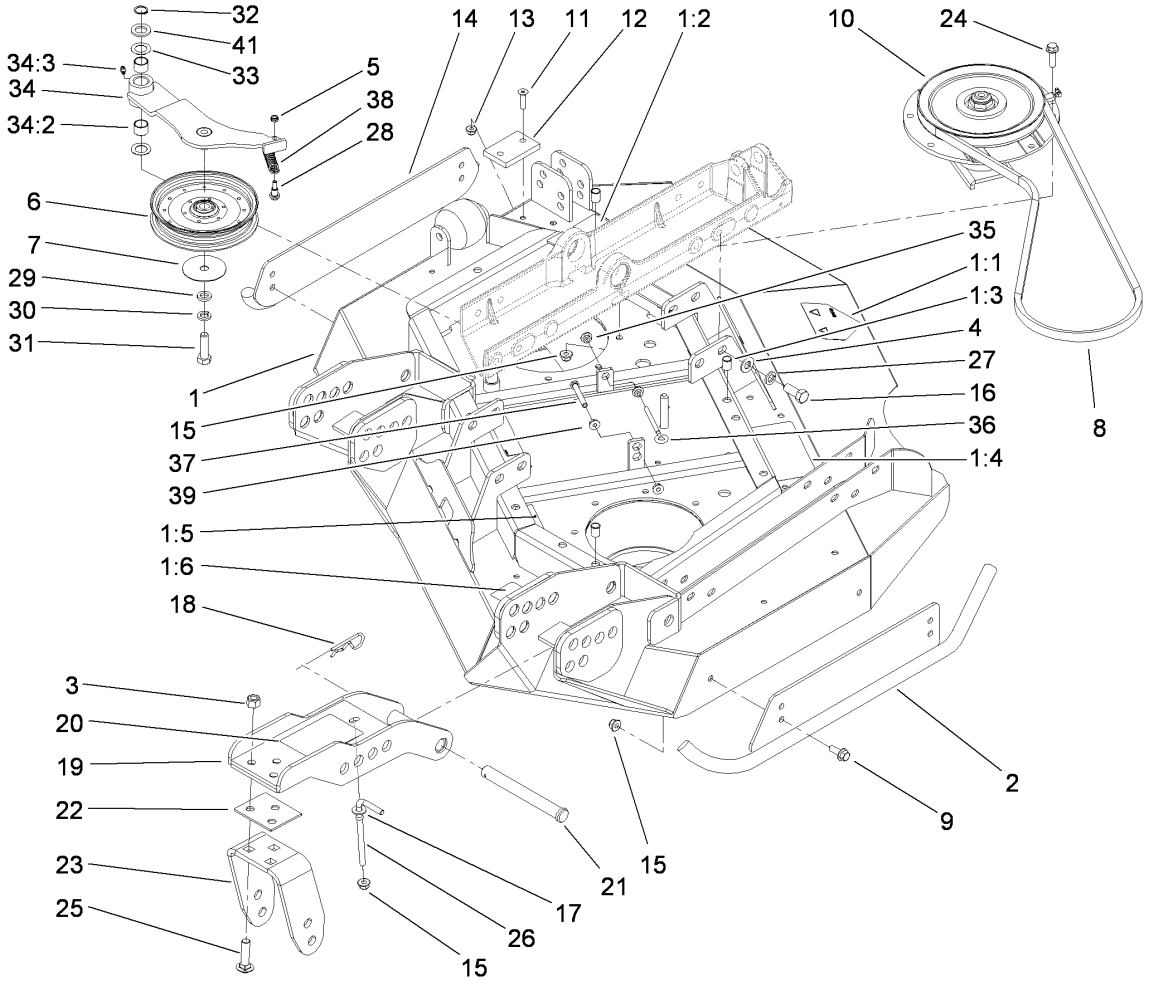
Right and Left Hand Deck Spindle Installation Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-3529	1	Driving Spindle ASM
1:1	3296-60	1	Nut-Lock, NI
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	104-3544	1	Mount-Motor, Drive
2	323-6	4	Screw-HH
3	92-5608-03	2	Blade
4	72-9361	2	Cup-Scalp, Anti
5	92-5816	2	Bolt-Blade
6	3256-24	4	Washer-Flat



Right Hand Deck Rear Discharge Chamber and Cover Assembly

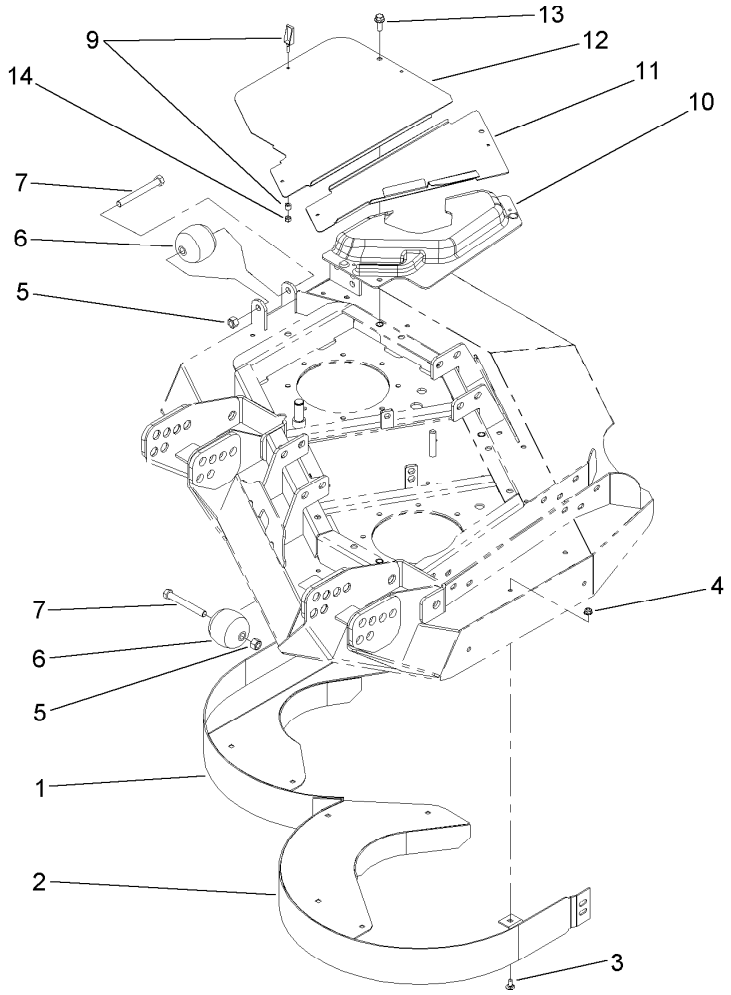
Ref.	*Part Number*	*Qty.*	*Description*
1	104-2203-01	1	Outer Chamber ASM
2	104-2204-01	1	Chamber-Inner
3	3230-18	11	Screw-CARR
4	3296-45	2	Nut-Hex
5	29-4820	2	Roller
6	325-17	2	Screw-HH
7	104-8300	11	Nut-HF, NI
9	100-5668-03	1	Plate-Cover, RH Side
10	3234-42	3	Screw-HHF
11	1-804254	7	Nut-Lock, HH
12	74-5950	7	Latch-Swell
13	100-5665-03	1	Plate-Cover, RH
14	100-5666	1	Cover-Motor, RH Deck



Left Hand Deck, Idler and Skid Assembly

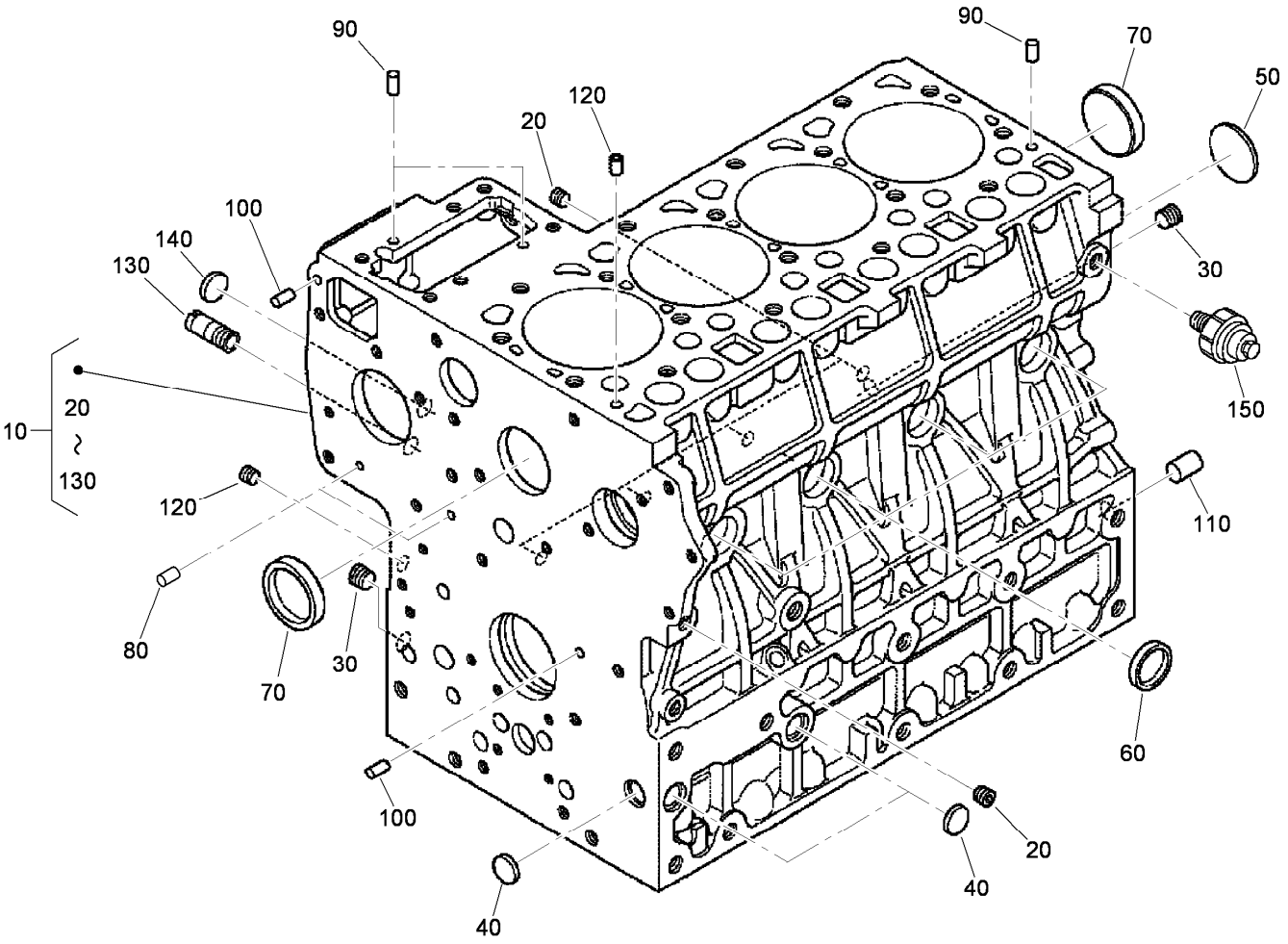
Ref.	*Part Number*	*Qty.*	*Description*
1	110-3296	1	Left Deck ASM
1:1	106-6753	1	Decal-Danger, CE
1:2	100-5693	1	Decal-Rear HOC, LH
1:3	32148-9	3	Nut-Clinch
1:4	100-5622	1	Decal-HOC
1:5	100-6578	3	Decal-Danger
1:6	93-7818	1	Decal-Torque, Blade Bolt
2	100-8125-01	1	LH Skid ASM
3	3296-45	6	Nut-Hex
4	3256-26	8	Washer-Flat
5	3296-56	1	Nut-Lock, NI
6	110-9596	1	Pulley-Idler
7	100-3102	1	Washer-Flat
8	108-8076	1	V-Belt, Deck
9	3234-42	4	Screw-HHF
10	104-3532	1	Low Driven Spindle ASM
11	32108-103	2	Screw-FH
12	69-9290	1	Pad-Bumper
13	104-8300	2	Nut-HF, NI
14	104-2250-01	1	Skid-Side
15	104-8301	18	Nut-HF, NI
16	325-5	8	Screw-HH
17	3256-3	2	Washer-Flat
18	3290-343	4	Pin-Hair

Ref.	*Part Number*	*Qty.*	*Description*
19	104-7529-01	2	Bracket-Castor
20	104-3579	1	Decal-HOC
21	100-5569	4	Pin-Clevis
22	104-7524	8	Shim
23	104-7525-01	2	Bracket-Fork
24	3234-24	12	Screw-HHF
25	3233-4	6	Screw-CARR
26	106-2047	2	Rod-Tension
27	3253-7	8	Washer-Lock
28	104-0858	1	Bolt-Shoulder
29	9202424	1	Spacer
30	3253-7	1	Washer-Lock
31	325-7	1	Screw-HH
32	32120-72	1	Ring-Snap
33	3-6498	2	Washer-Thrust
34	110-6128	1	Idler Arm ASM
34:2	256-76	2	Bushing
34:3	302-5	1	Fitting-Grease
35	32128-14	2	Nut-HF
36	68-0090	1	Screw-Adjusting
37	9114524	1	Bolt-TAP, HH
38	107938	1	Spring-Extension
39	32128-26	2	Nut-Flange
41	70-1160	1	Washer



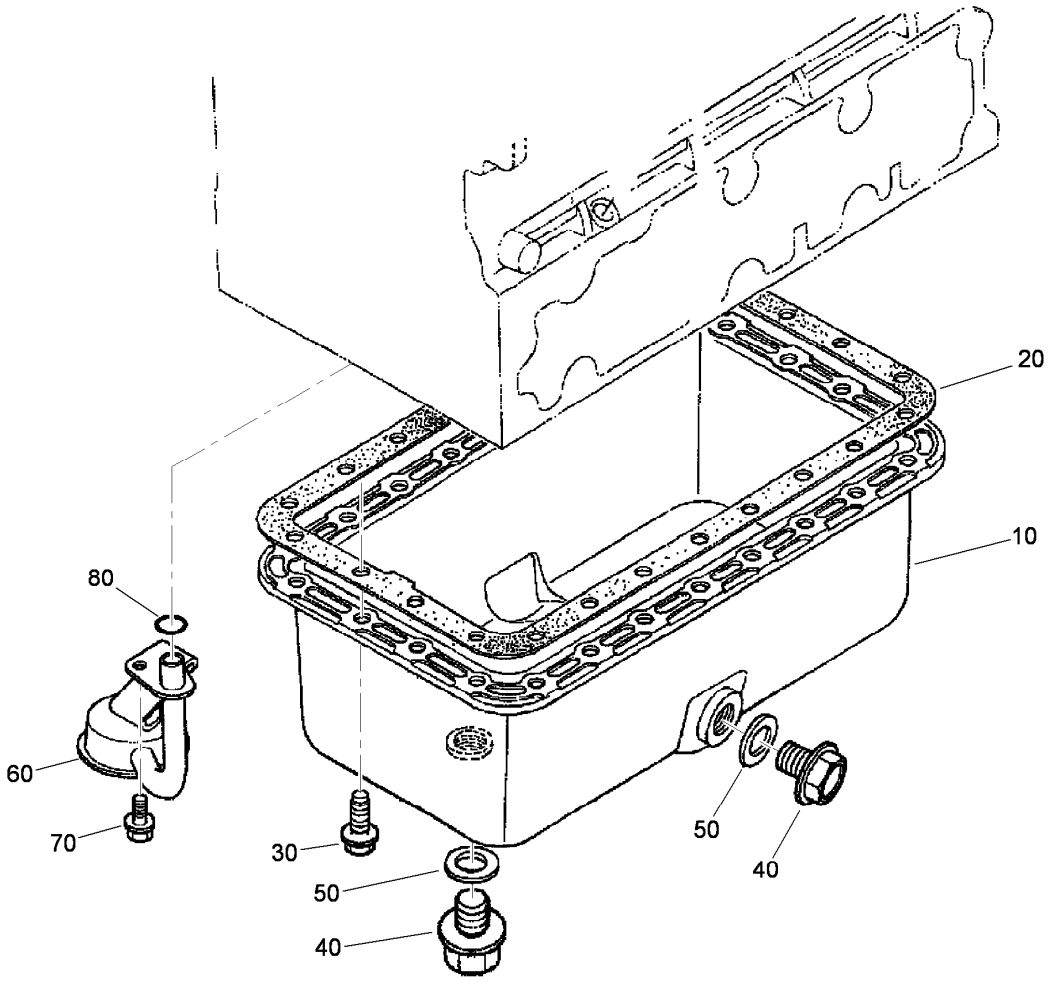
Left Hand Deck
Rear Discharge Chamber and Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-2205-01	1	Chamber-Inner
2	104-2206-01	1	Outer Chamber ASM
3	3230-18	9	Screw-CARR
4	104-8300	9	Nut-HF, NI
5	3296-45	2	Nut-Hex
6	29-4820	2	Roller
7	325-17	2	Screw-HH
9	74-5950	7	Latch-Swell
10	100-5669	1	Cover-Motor, LH Deck
11	100-5664-03	1	Plate-Cover, LH
12	100-5667-03	1	Plate-Cover, LH Side
13	3234-42	3	Screw-HHF
14	1-804254	7	Nut-Lock, HH



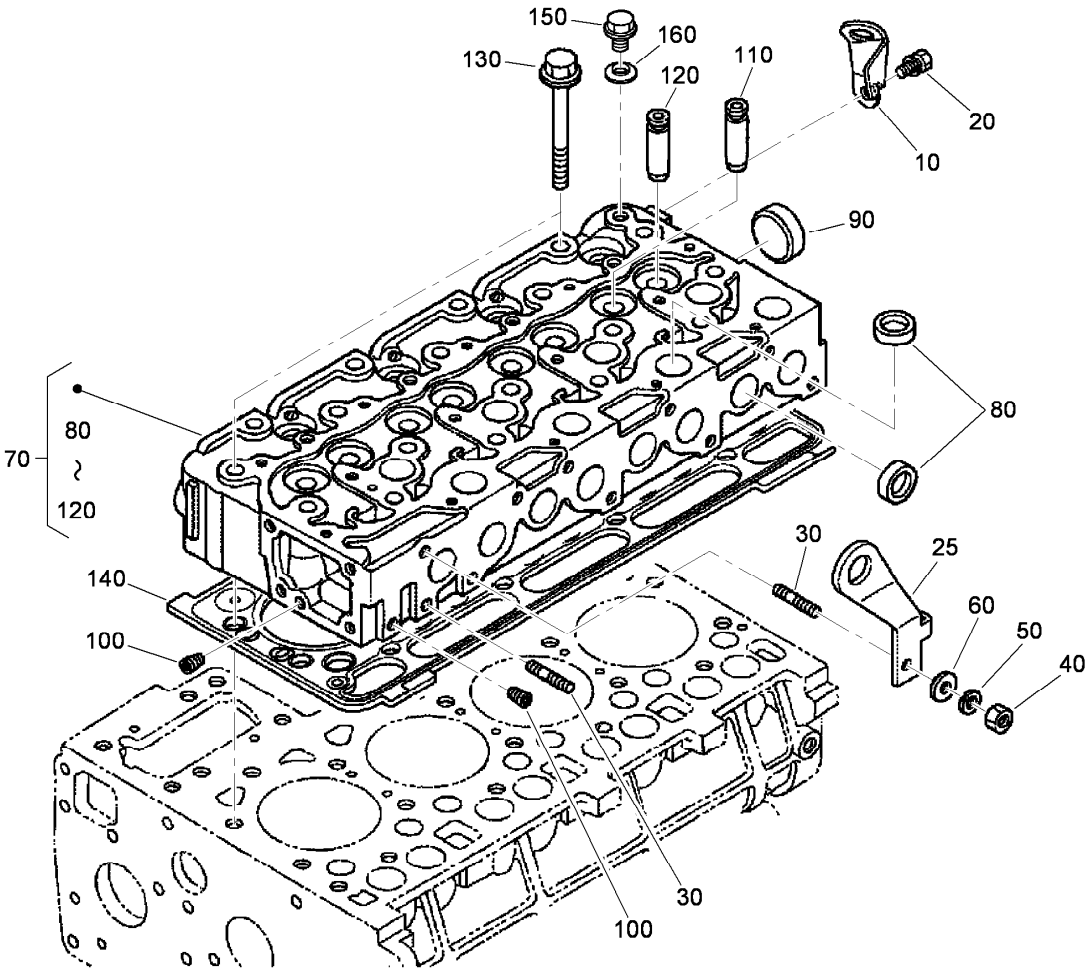
Crankcase Assembly

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



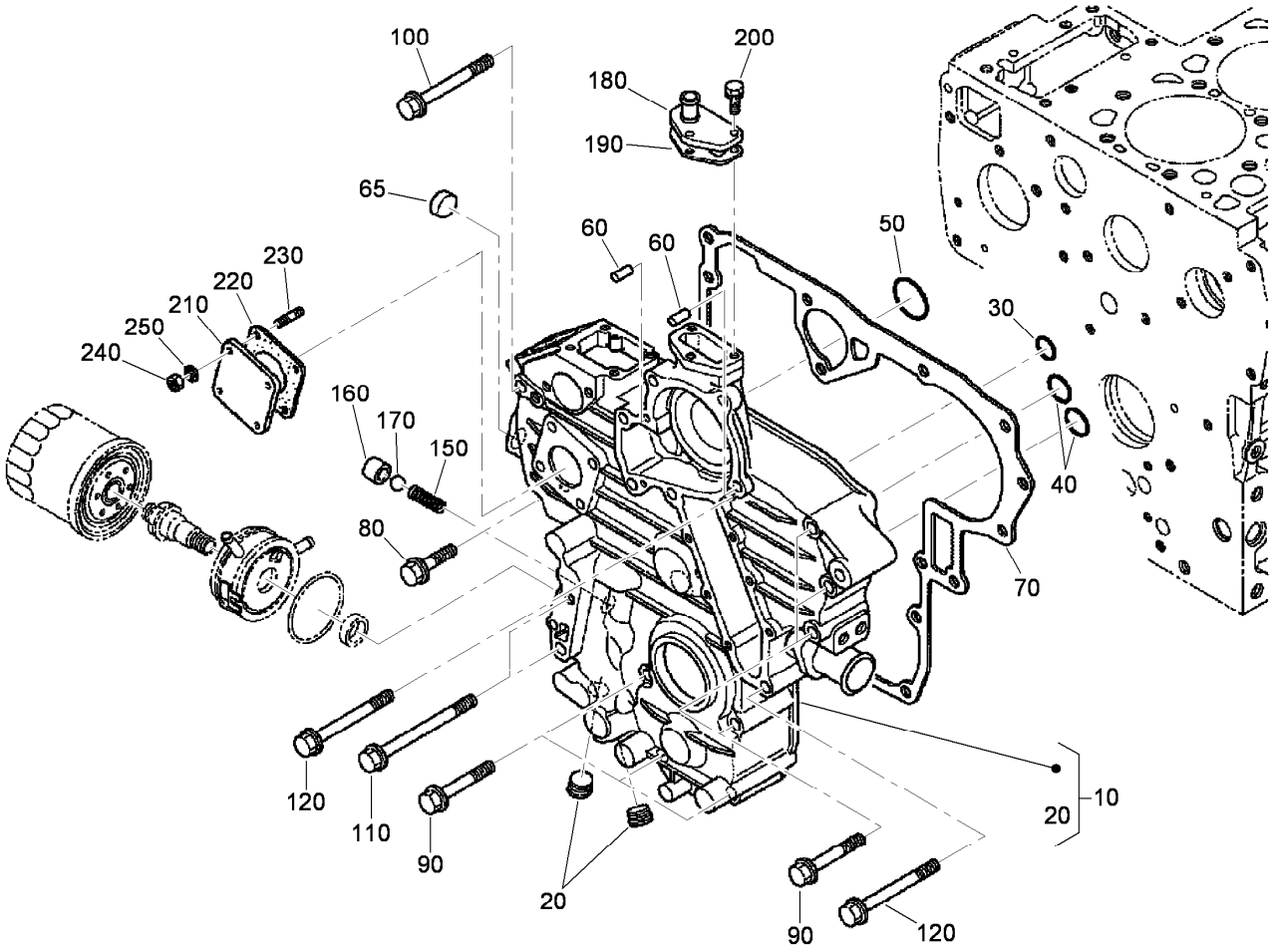
Oil Pan Assembly

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



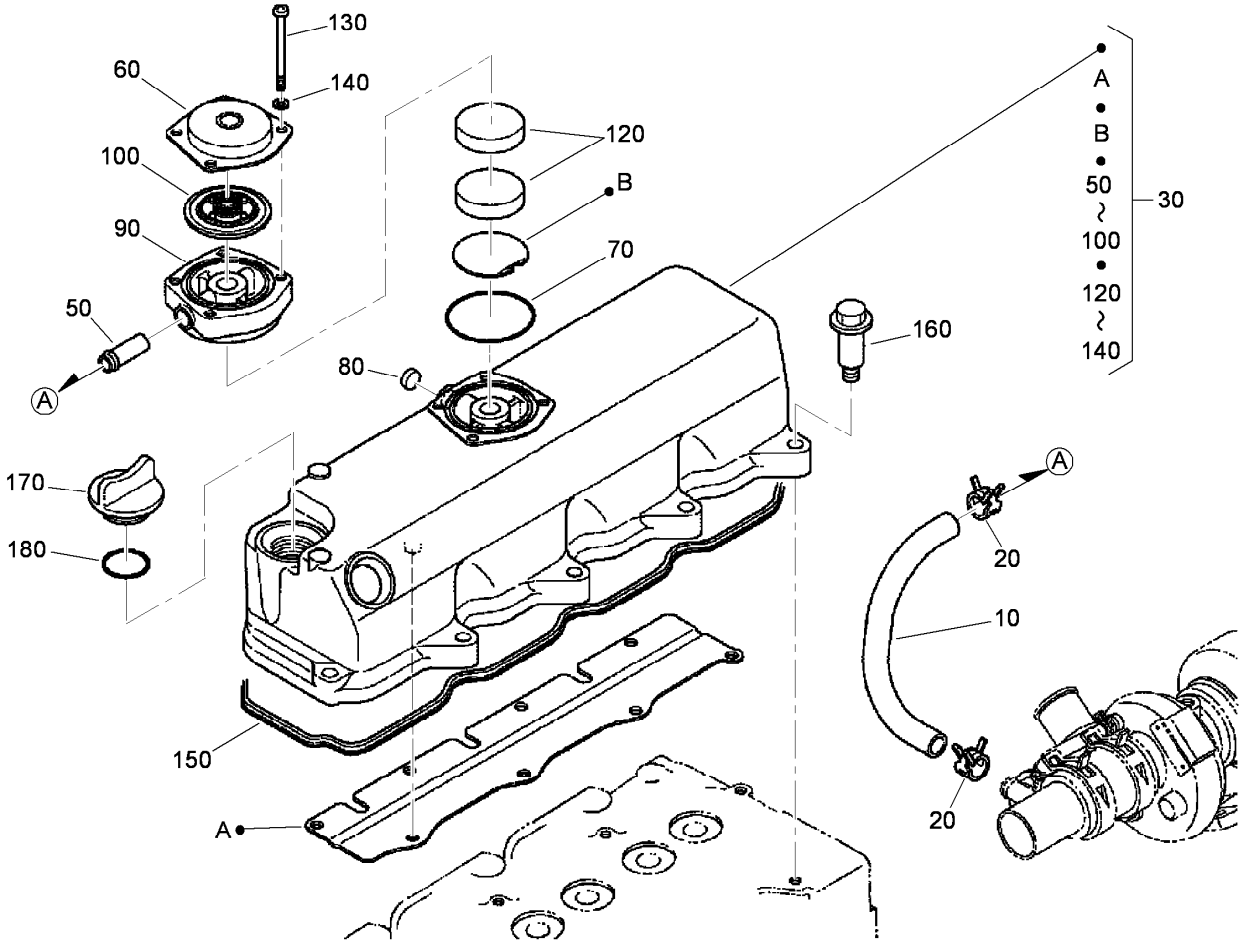
Cylinder Head Assembly

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



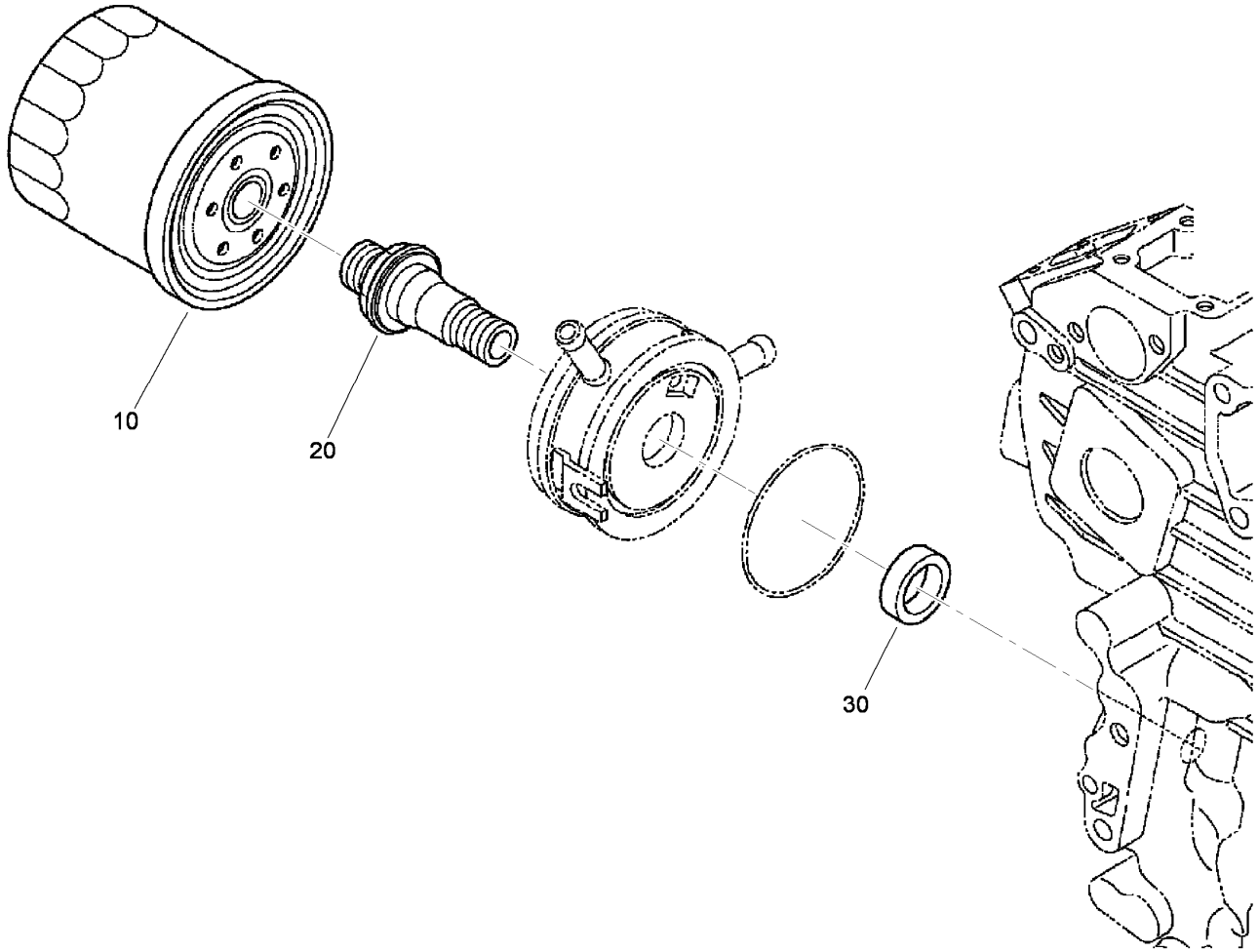
Gear Case Assembly

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



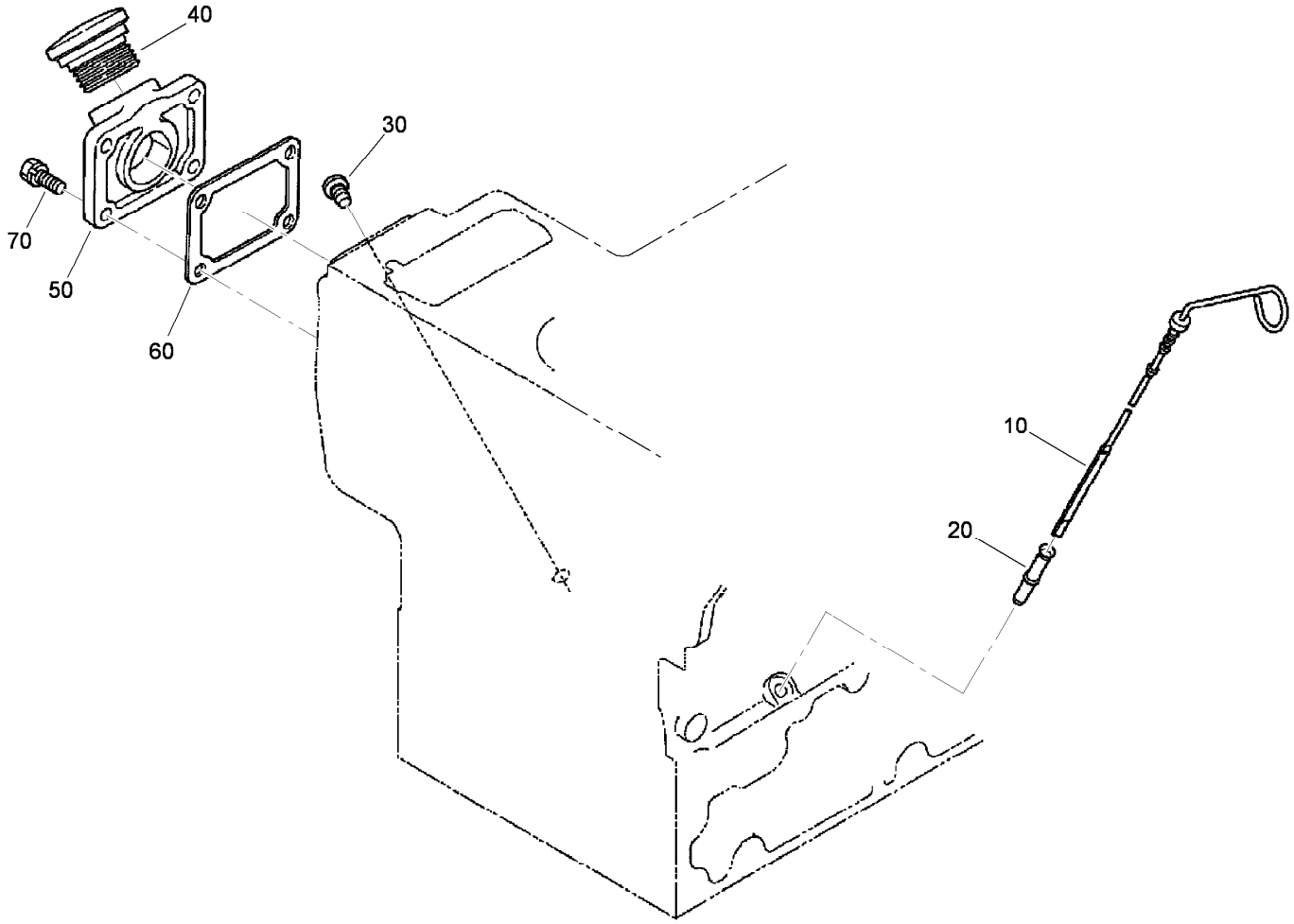
Cylinder Head Cover Assembly

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



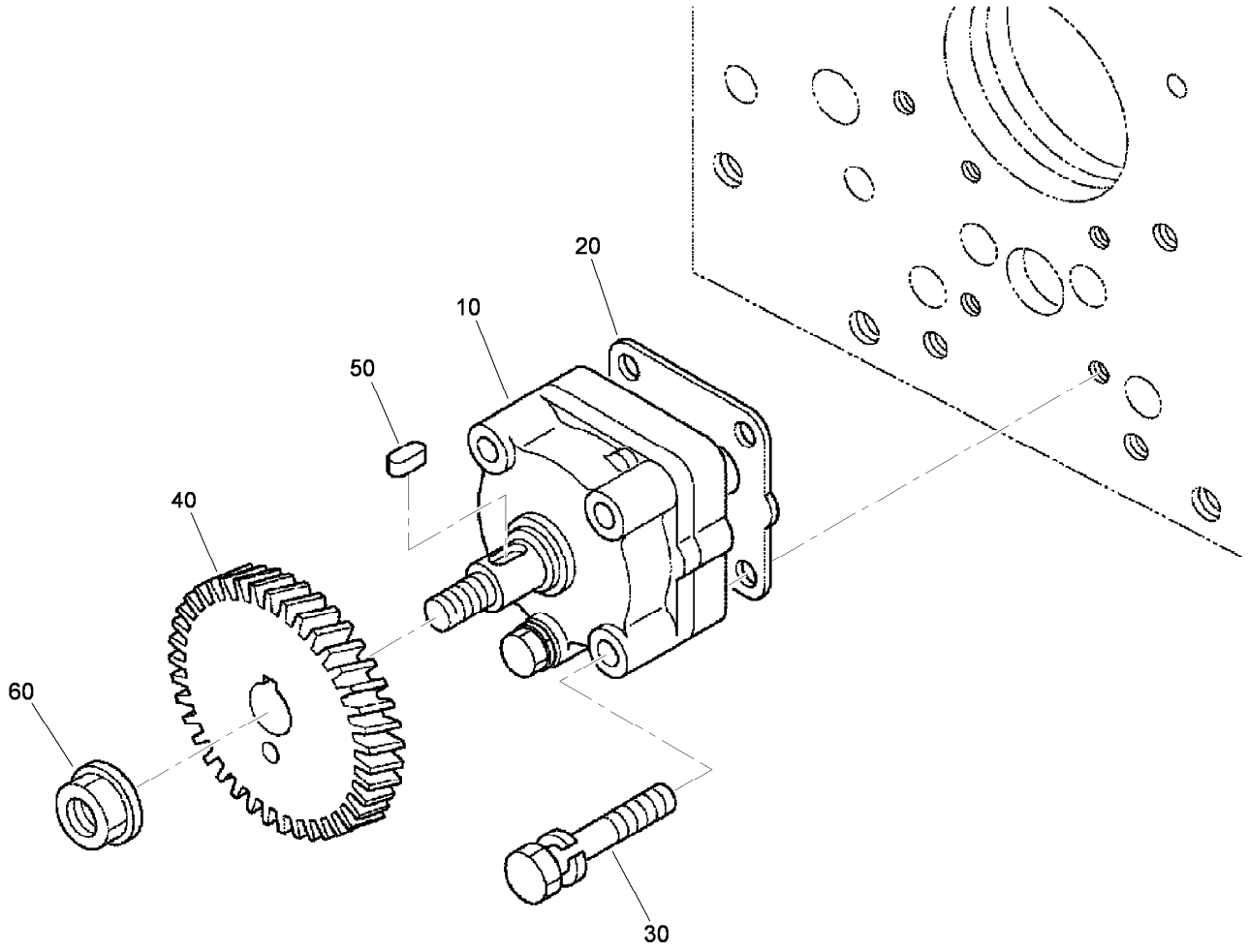
Oil Filter Assembly

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



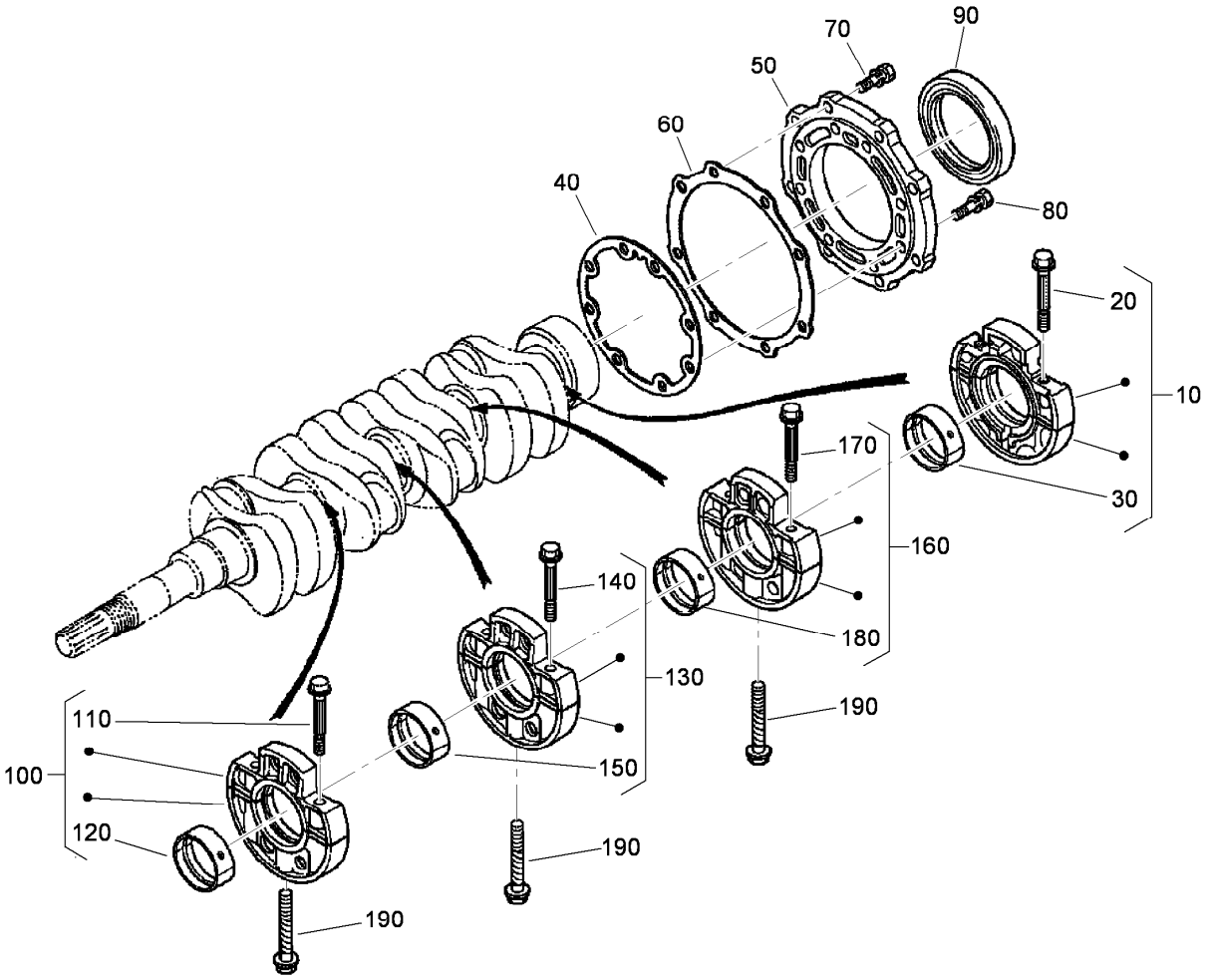
Dipstick and Guide Assembly

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

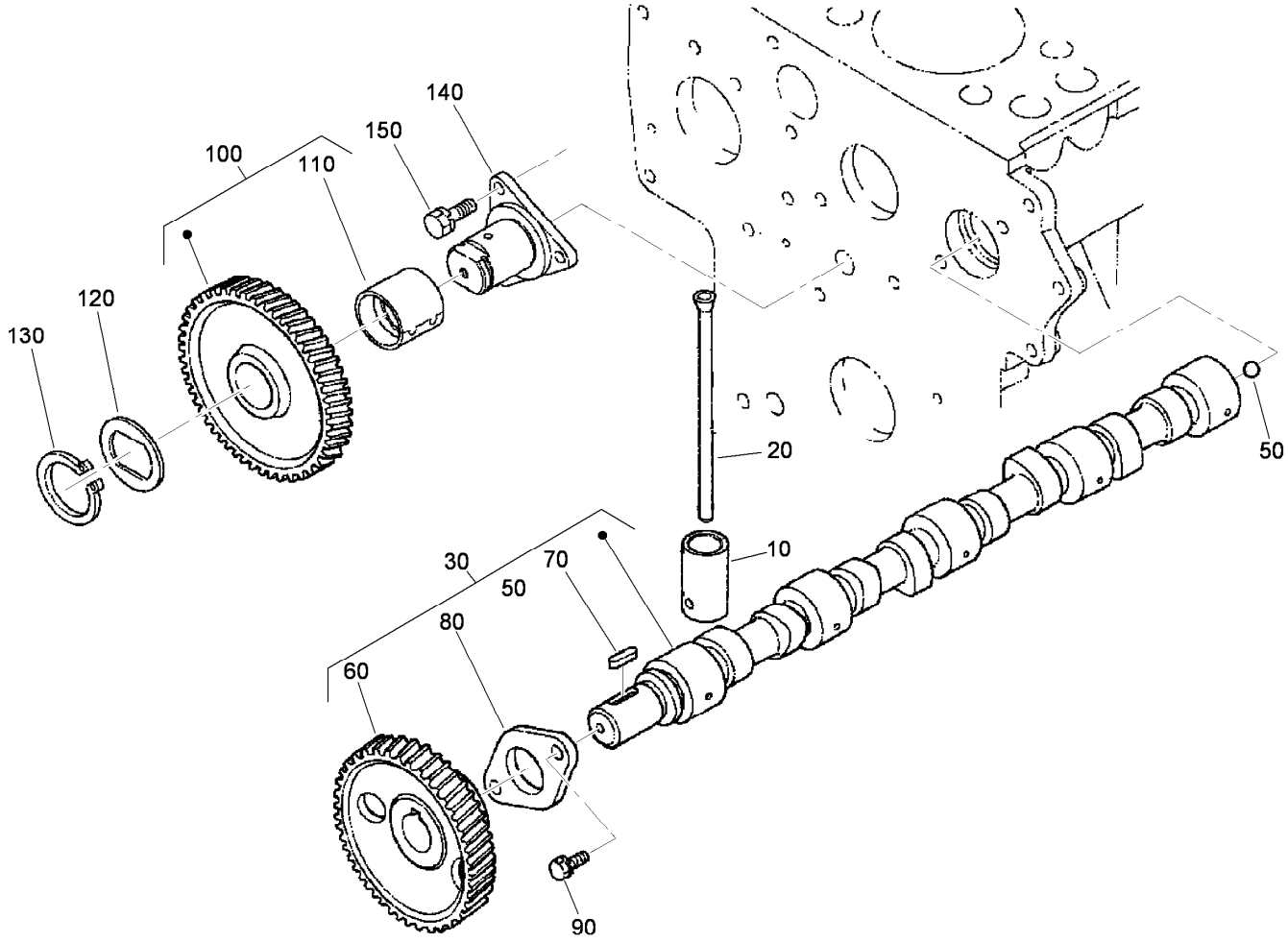
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7512	1	Oil Pump ASM
20	98-7513	1	Gasket-Pump, Oil
30	105-3797	4	Bolt
40	115-8533	1	Gear-Drive, Oil Pump
50	98-7517	1	Key-Feather
60	98-7518	1	Nut-Flange



Main Bearing Case Assembly

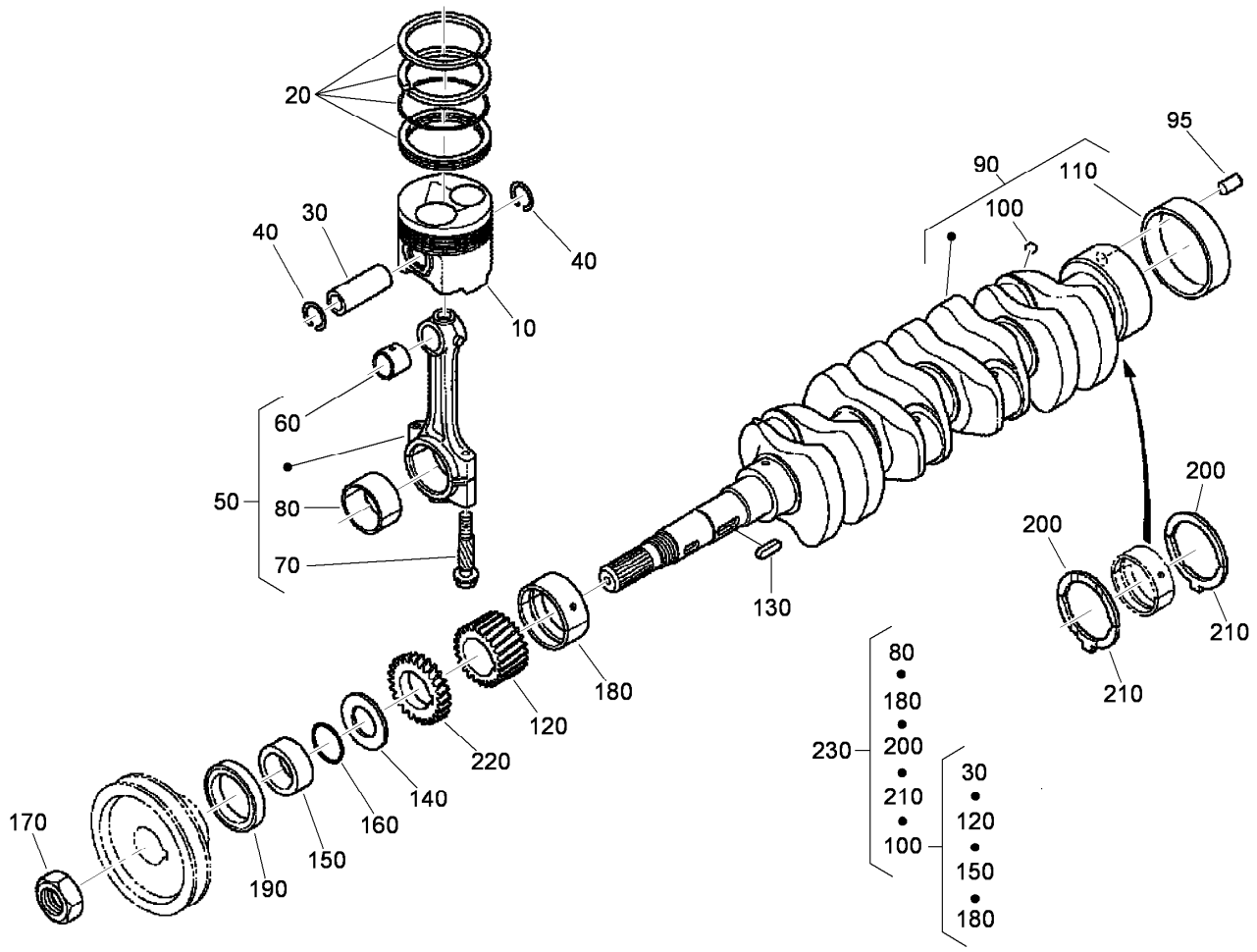
Ref.	Part Number	Qty.	Description
10	115-8534	1	Wheel Bearing Case ASM
20	108-7066	2	Bolt-Case, Bearing
30	108-7068	1	Metal-Crankshaft (-0.20Mm)
30	108-7067	1	Metal-Crankshaft (STD)
30	108-7069	1	Metal-Crankshaft (-0.40Mm)
40	108-7070	1	Gasket-Case, Bearing
50	108-7071	1	Cover-Case, Bearing
60	98-7437	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

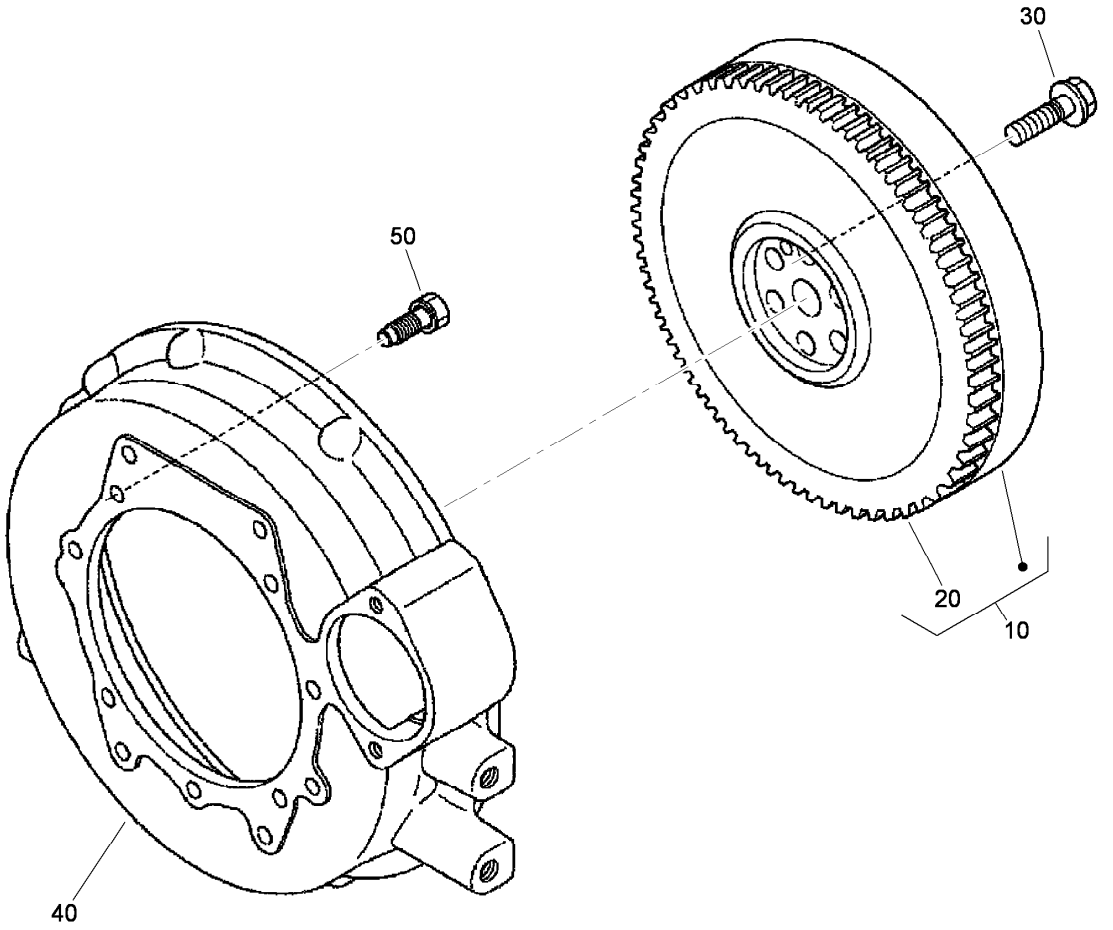
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7445	8	Tappet
20	115-8537	8	Rod-Push
30	115-8538	1	Camshaft ASM
50	110-3729	1	Ball
60	115-8539	1	Gear-Cam
70	98-7451	1	Key-Feather
80	98-7452	1	Stopper-Camshaft
90	98-7453	2	Bolt
100	107-0109	1	Gear-Idler
110	107-0110	1	Bushing-Gear, Idler
120	107-0111	1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



Piston and Crankshaft Assembly

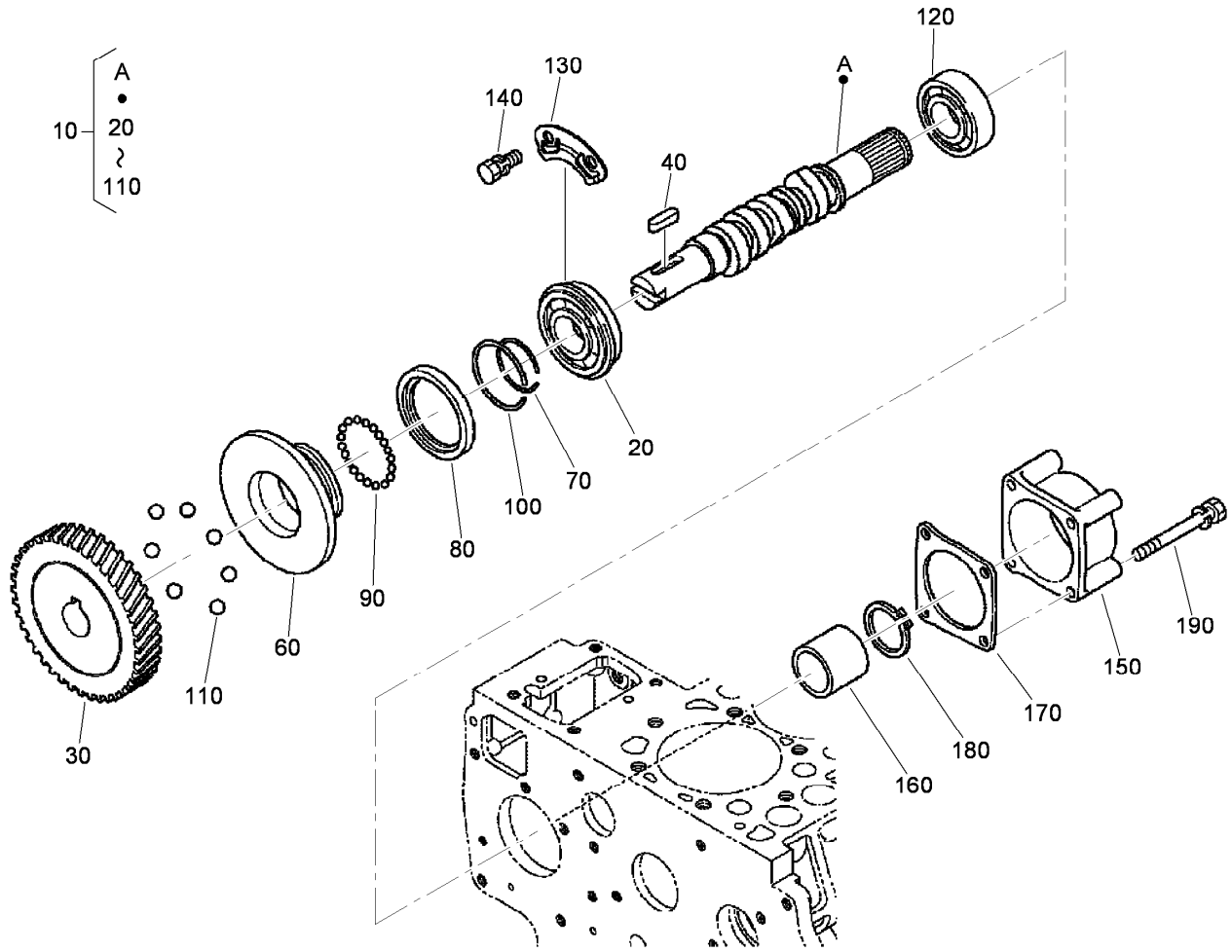
Ref.	Part Number	Qty.	Description
10	115-8540	4	Piston
10	115-8541	4	Piston
20	115-8543	1	Piston Ring ASM
20	115-8542	4	Piston Ring ASM
30	115-8544	4	Pin-Piston
40	112-7002	8	Circlip
50	115-8545	4	Connecting Rod ASM
60	115-8546	4	Bushing-Pin, Piston
70	98-7468	8	Bolt-Rod, Connecting
80	98-7469	4	Metal-Crankpin (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)



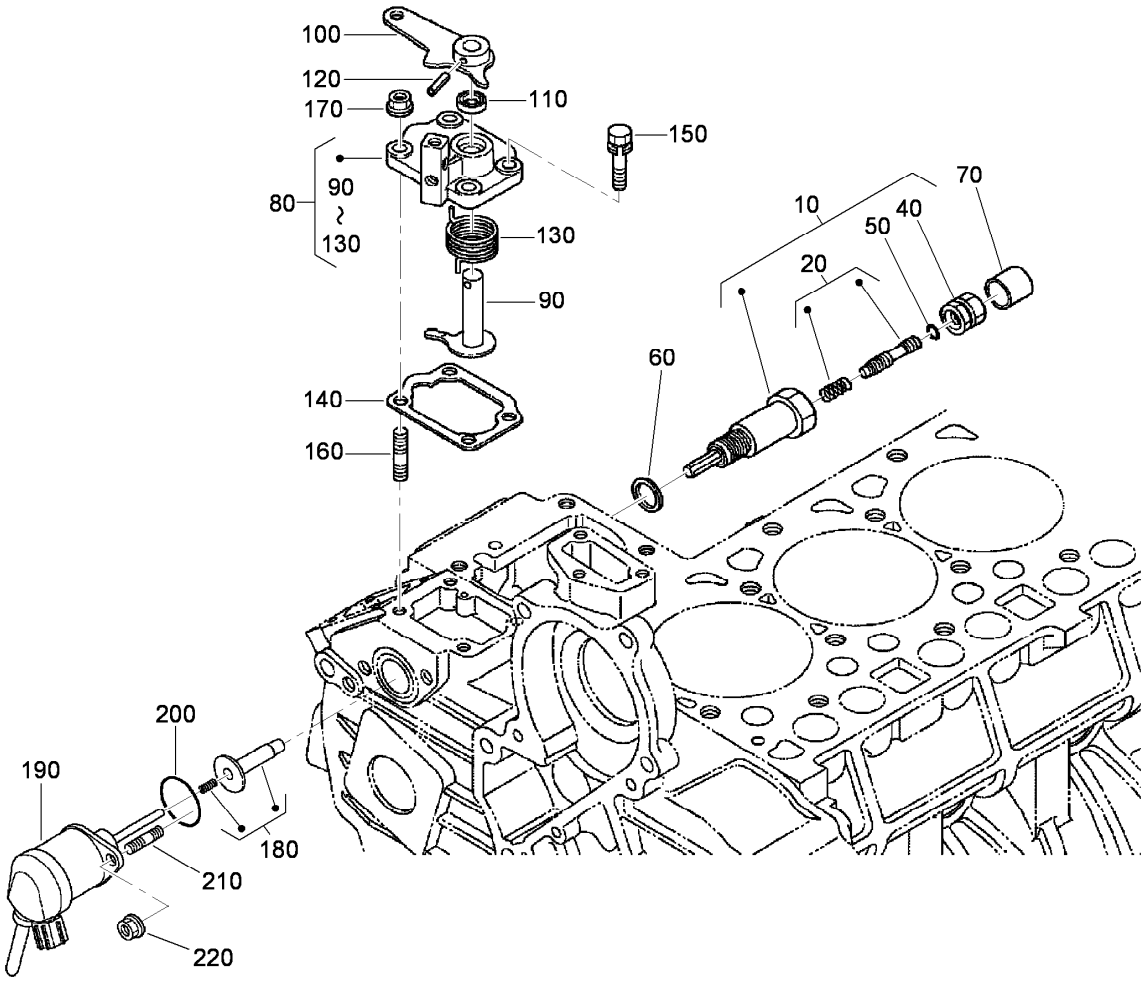
Flywheel Assembly

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



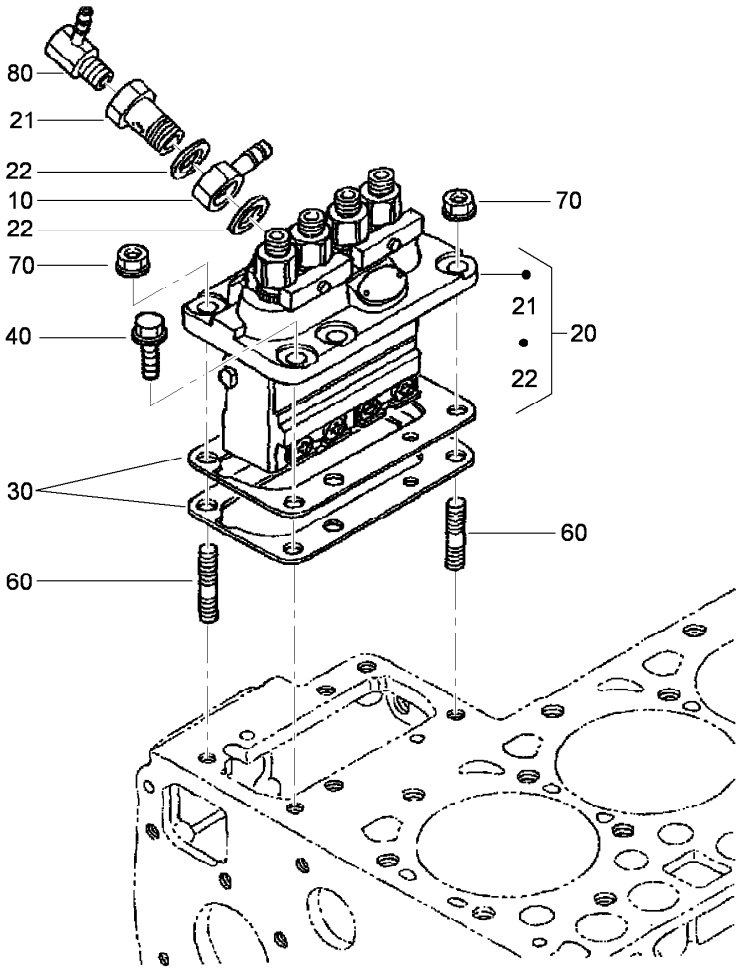
Fuel Camshaft and Governor Shaft Assembly

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



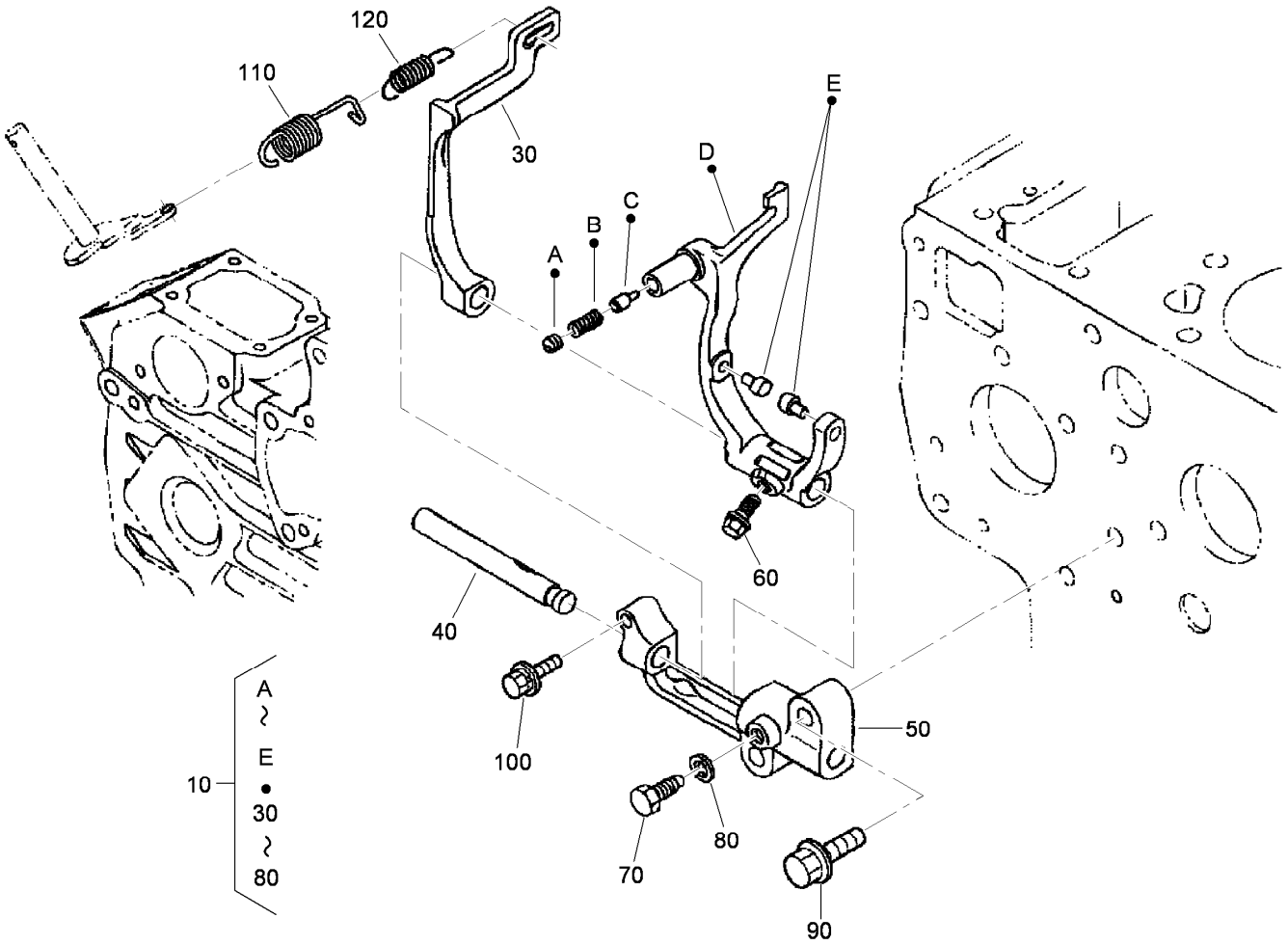
Idle Apparatus and Stop Solenoid Assembly

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



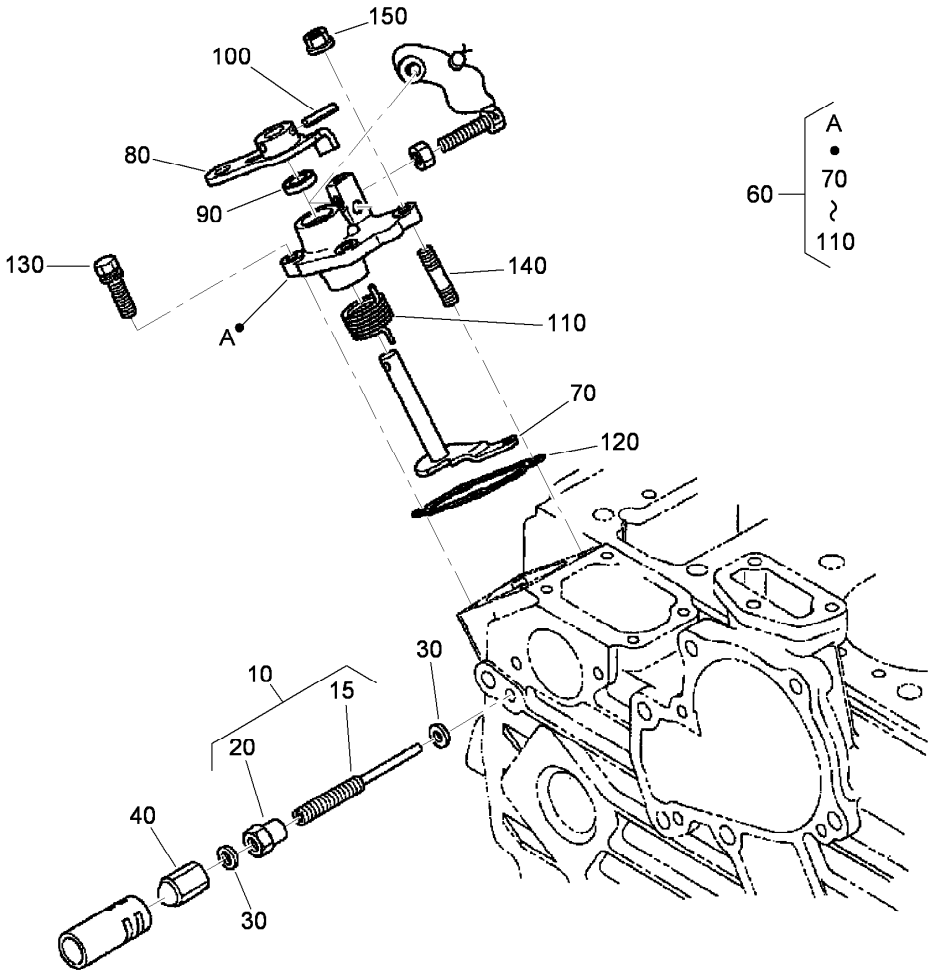
Injection Pump Assembly

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



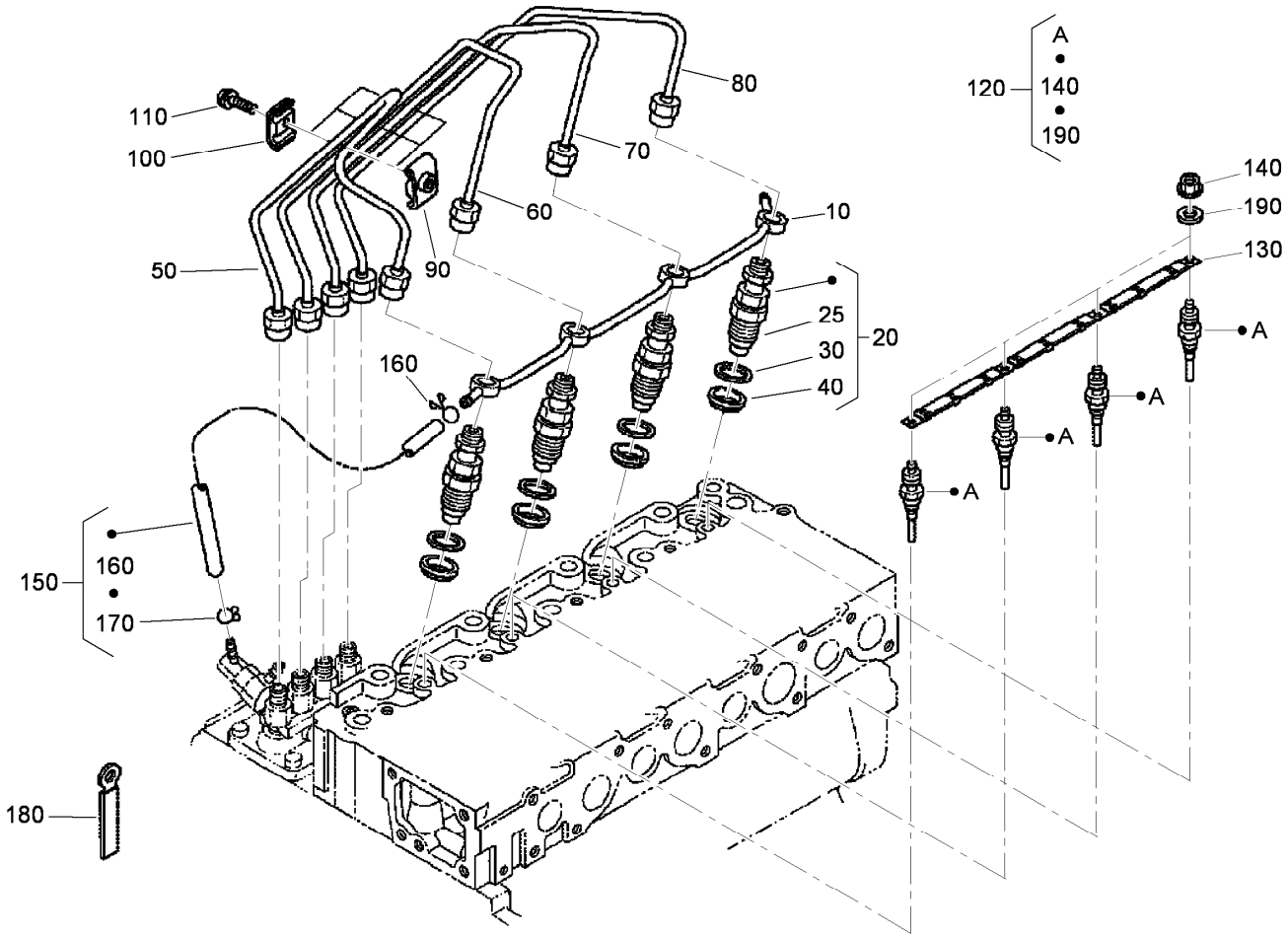
Governor Assembly

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



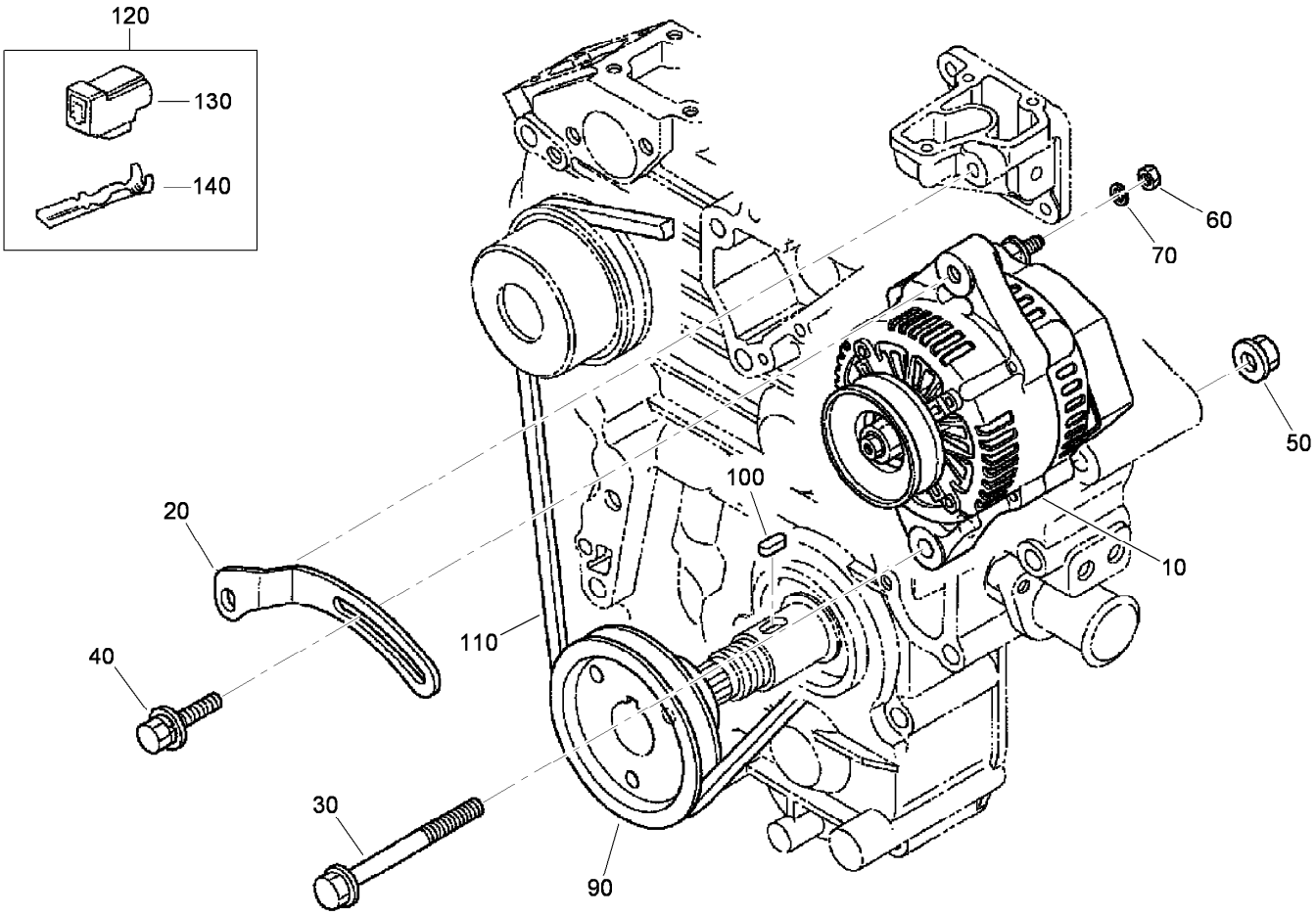
Speed Control Plate Assembly

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



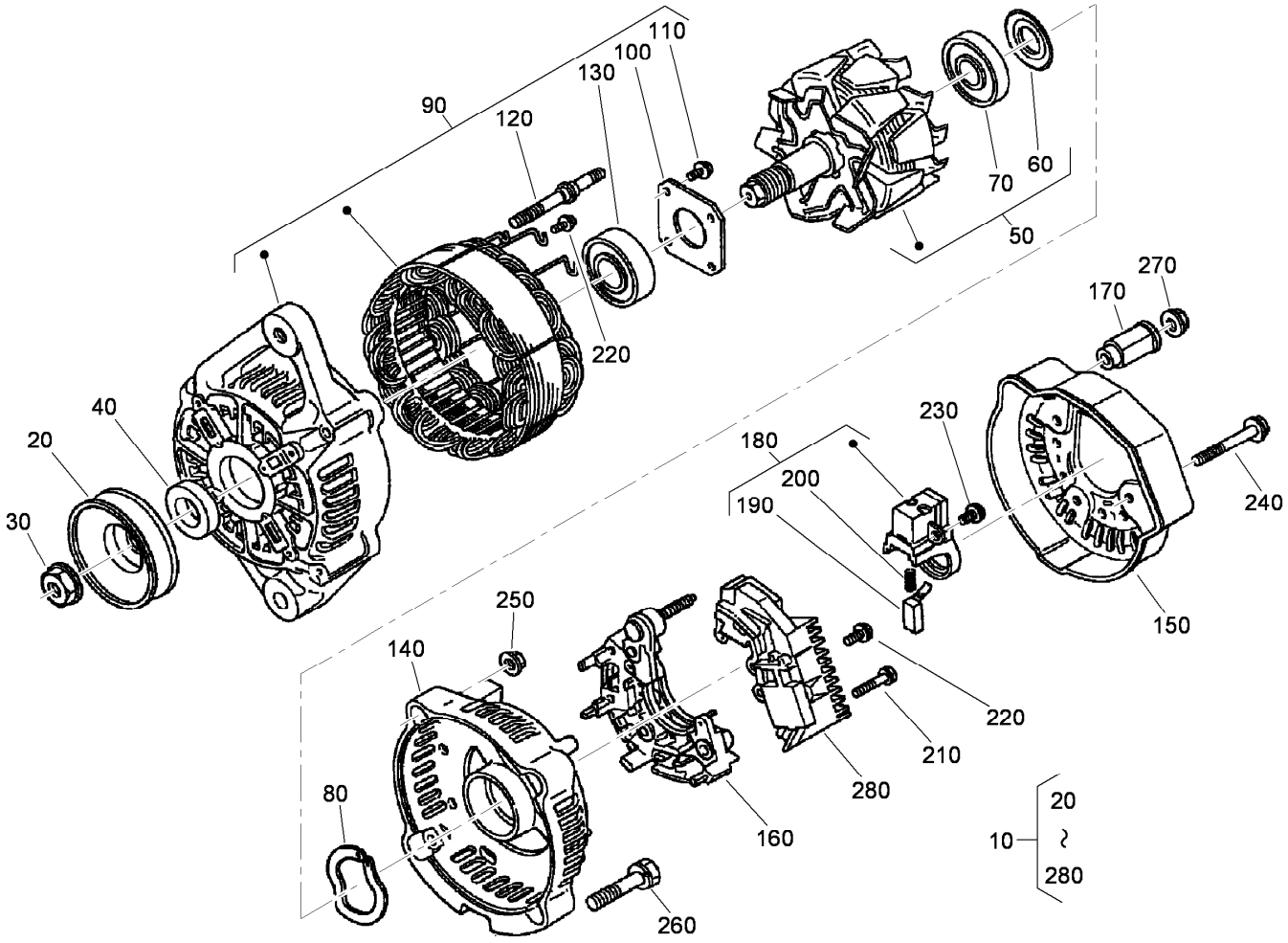
Nozzle Holder and Glow Plug Assembly

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

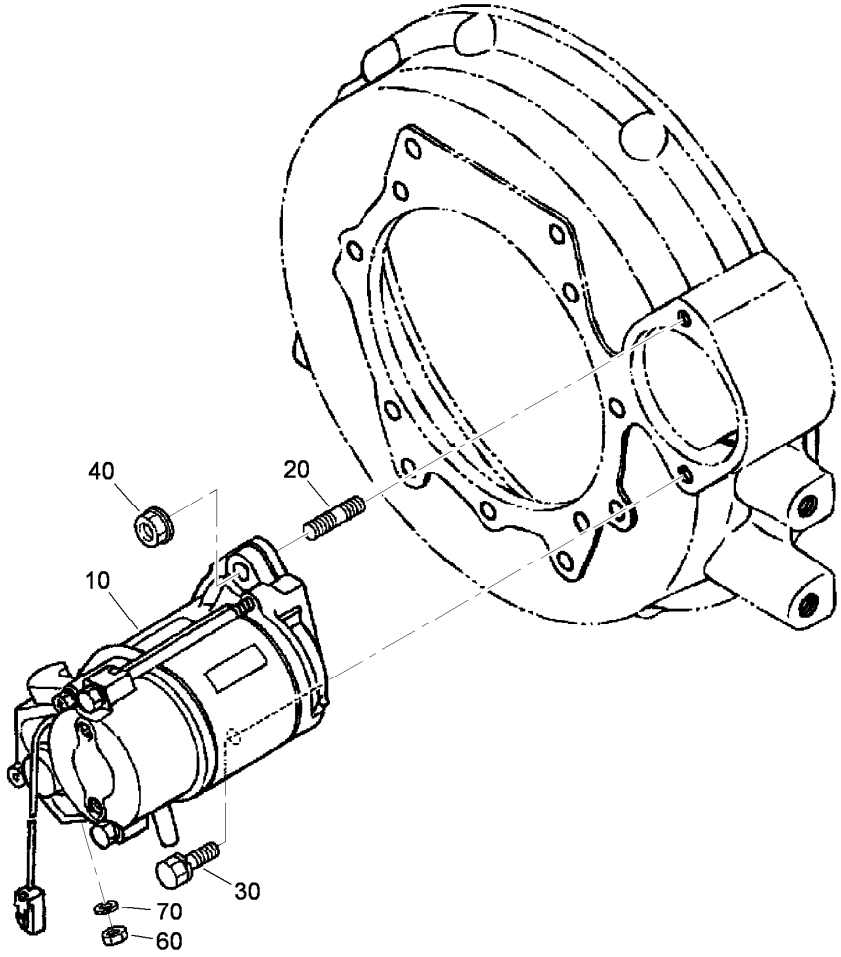
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7693	1	Alternator ASM
20	105-2872	1	Bracket-Alternator
30	115-8596	1	Bolt-Flange
40	108-7088	1	Bolt
50	115-8597	1	Nut-Flange
60	98-7572	1	Nut
70	98-7699	1	Washer-Spring
90	115-8598	1	Pulley-Drive, Fan
100	98-7451	1	Key-Feather
110	115-8599	1	Belt-V
120	115-8600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



Alternator Component Part Assembly

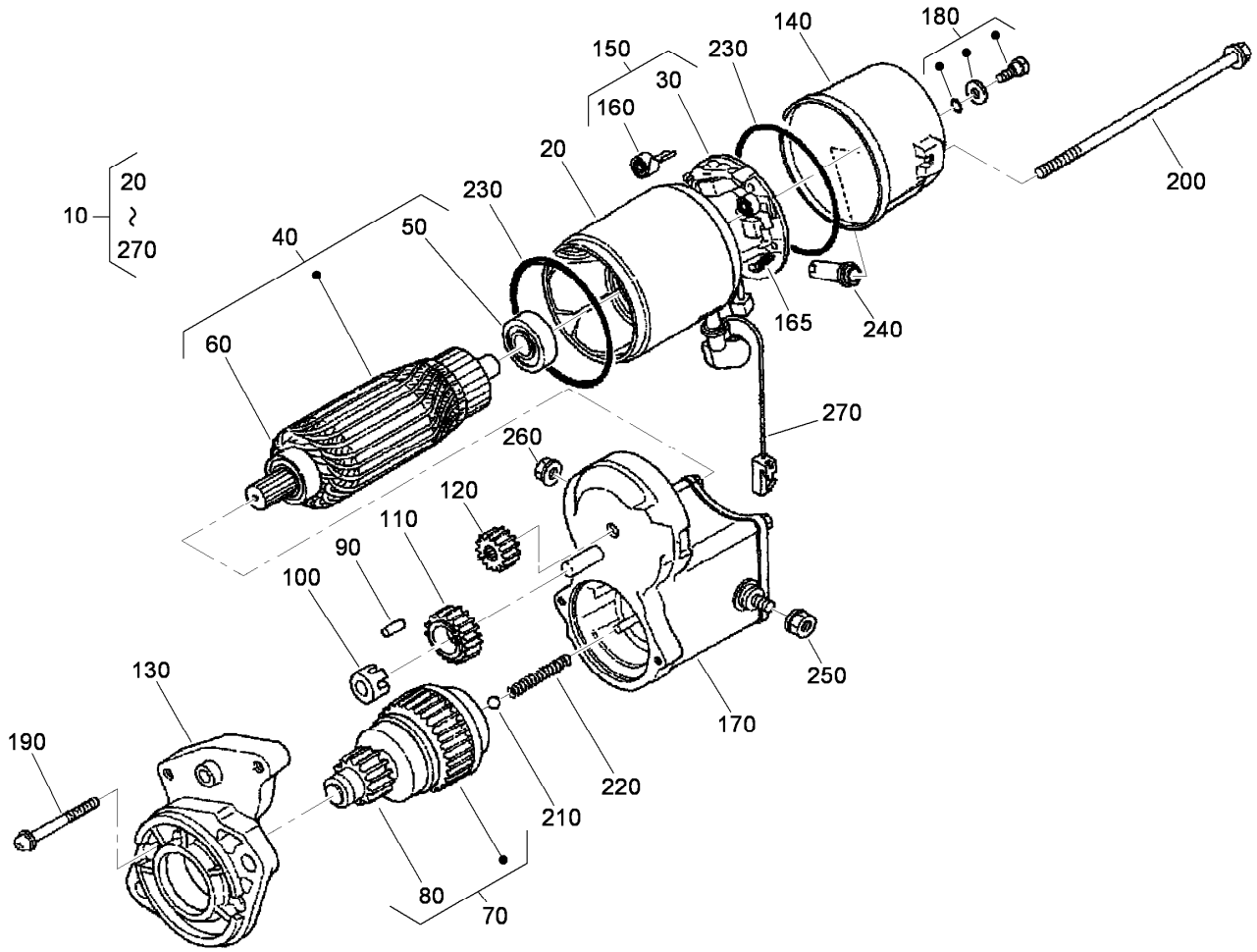
Ref.	Part Number	Qty.	Description
10	98-7693	1	Alternator ASM
20	98-7707	1	Pulley-Alternator
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110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

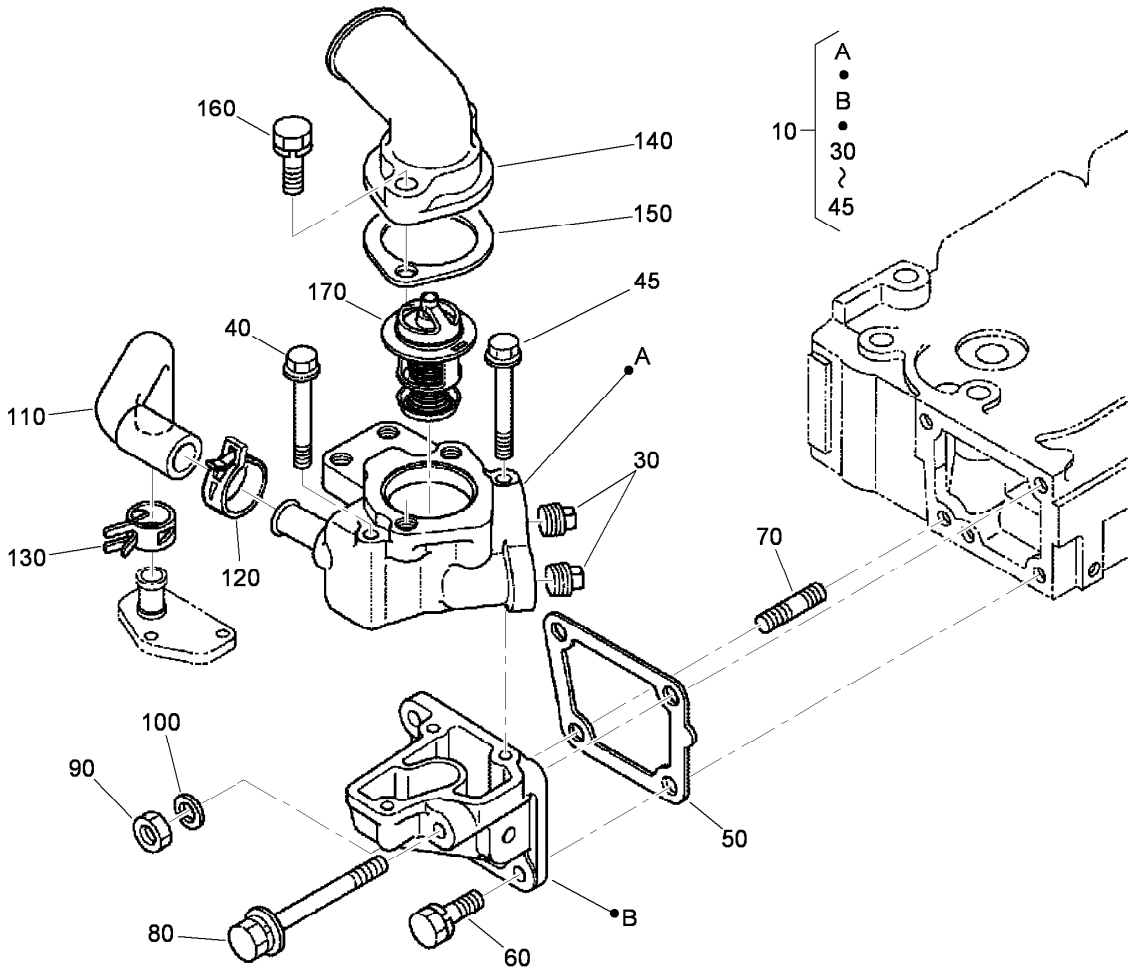
Ref.	*Part Number*	*Qty.*	*Description*
10	115-8603	1	Starter ASM
20	98-7735	1	Stud
30	98-7736	1	Bolt
40	115-8597	1	Nut-Flange
60	98-7739	1	Nut
70	105-2893	1	Washer-Spring



Starter Component Assembly

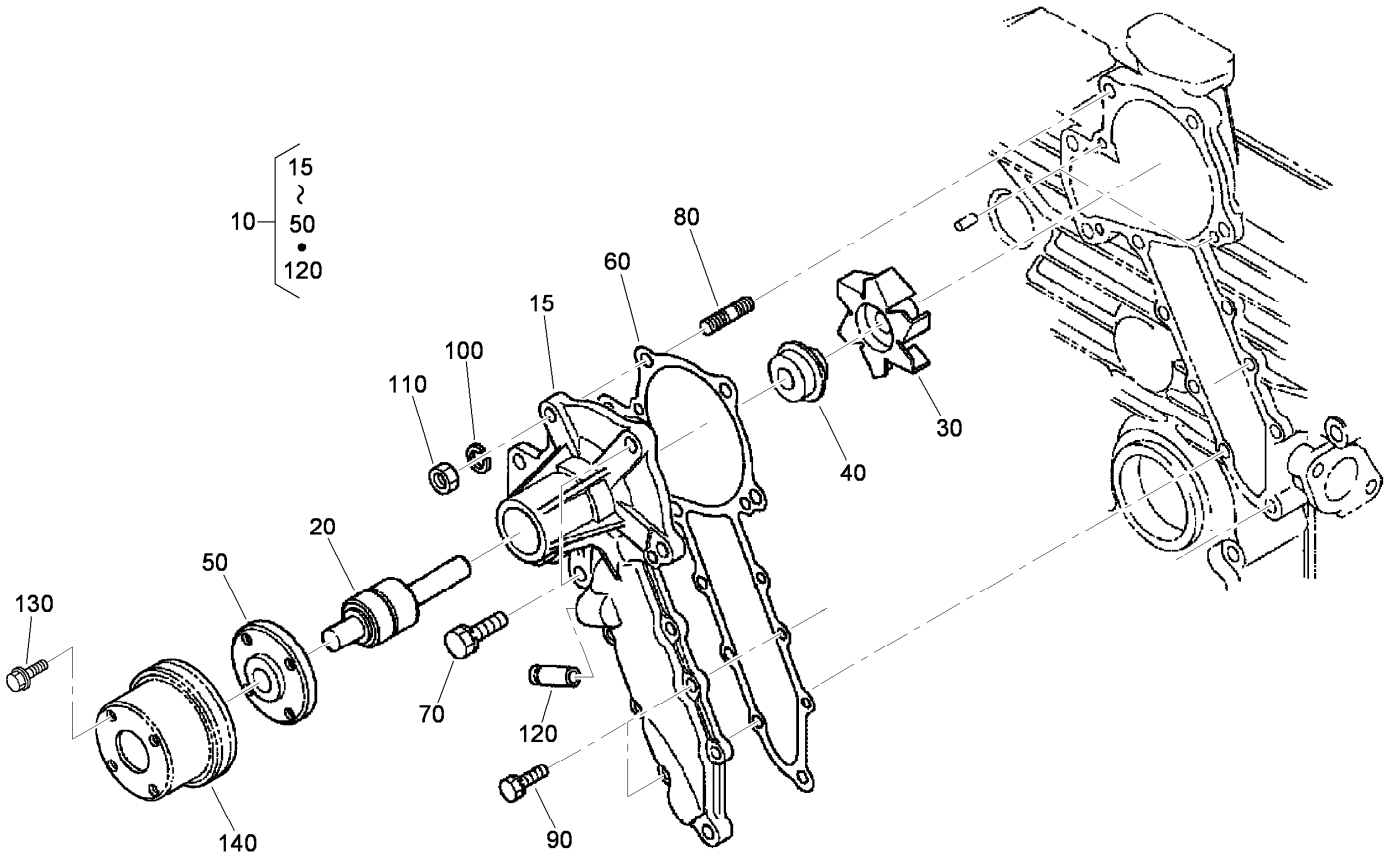
Ref.	Part Number	Qty.	Description
10	115-8603	1	Starter ASM
20	115-8604	1	Yoke
30	115-8605	1	Brush Kit
40	115-8606	1	Armature
50	115-8607	1	Bearing
60	98-7744	1	Bearing
70	115-8608	1	Clutch-Running, Over
80	112-2833	1	Gear-Pinion
90	98-9707	5	Roller
100	98-7752	1	Retainer
110	98-7751	1	Gear
120	115-8609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



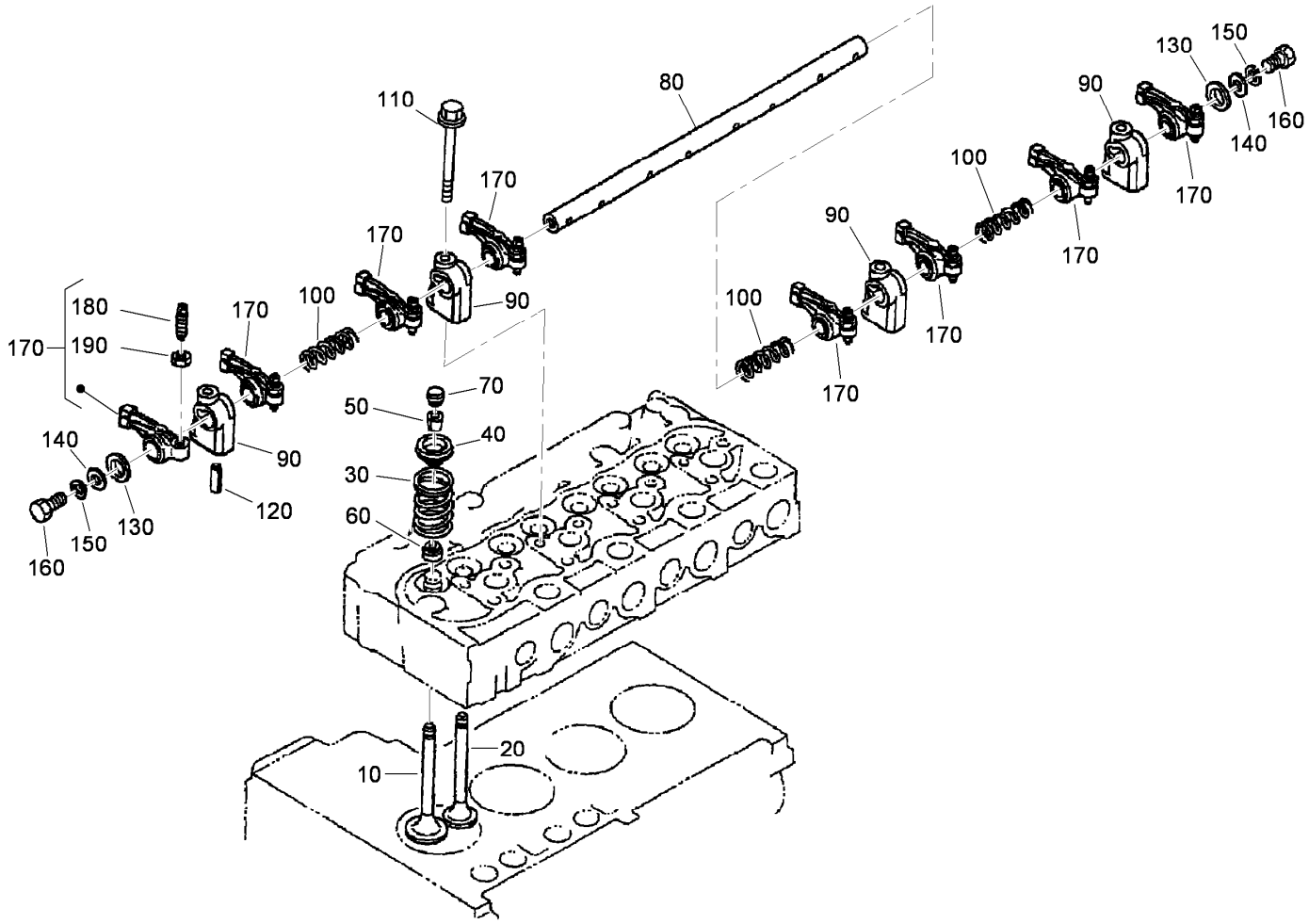
Water Flange and Thermostat Assembly

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



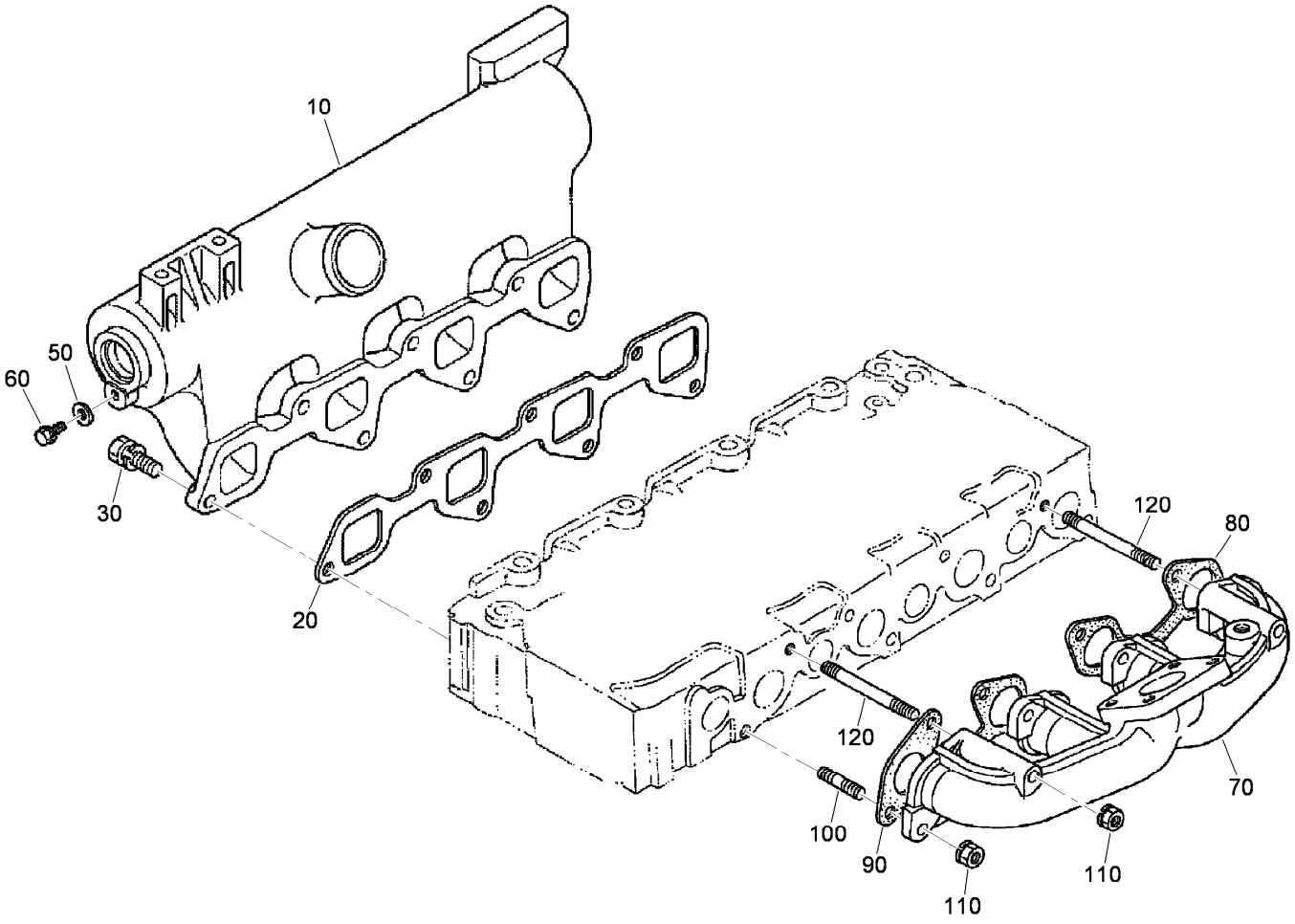
Water Pump Assembly

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



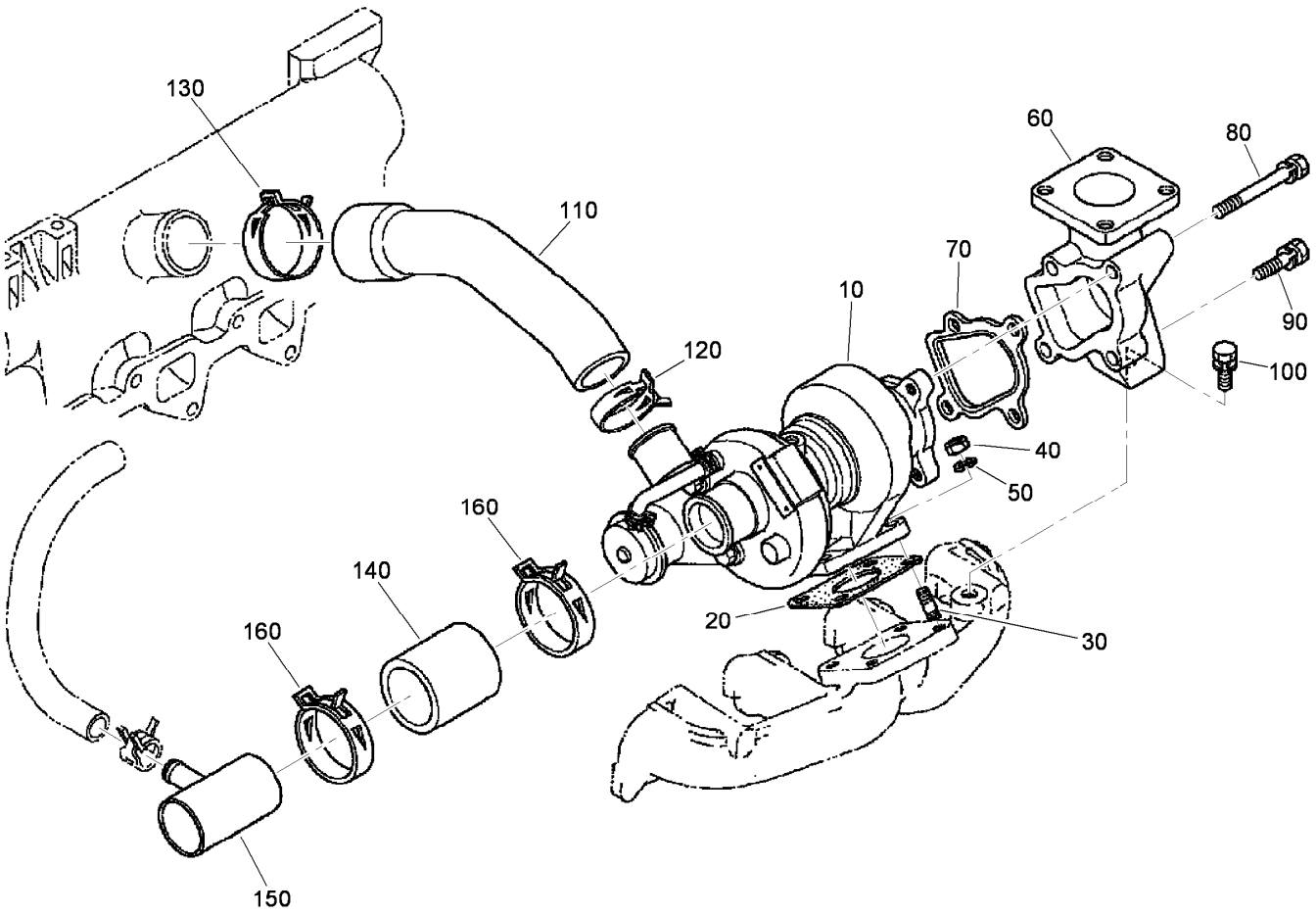
Valve and Rocker Arm Assembly

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



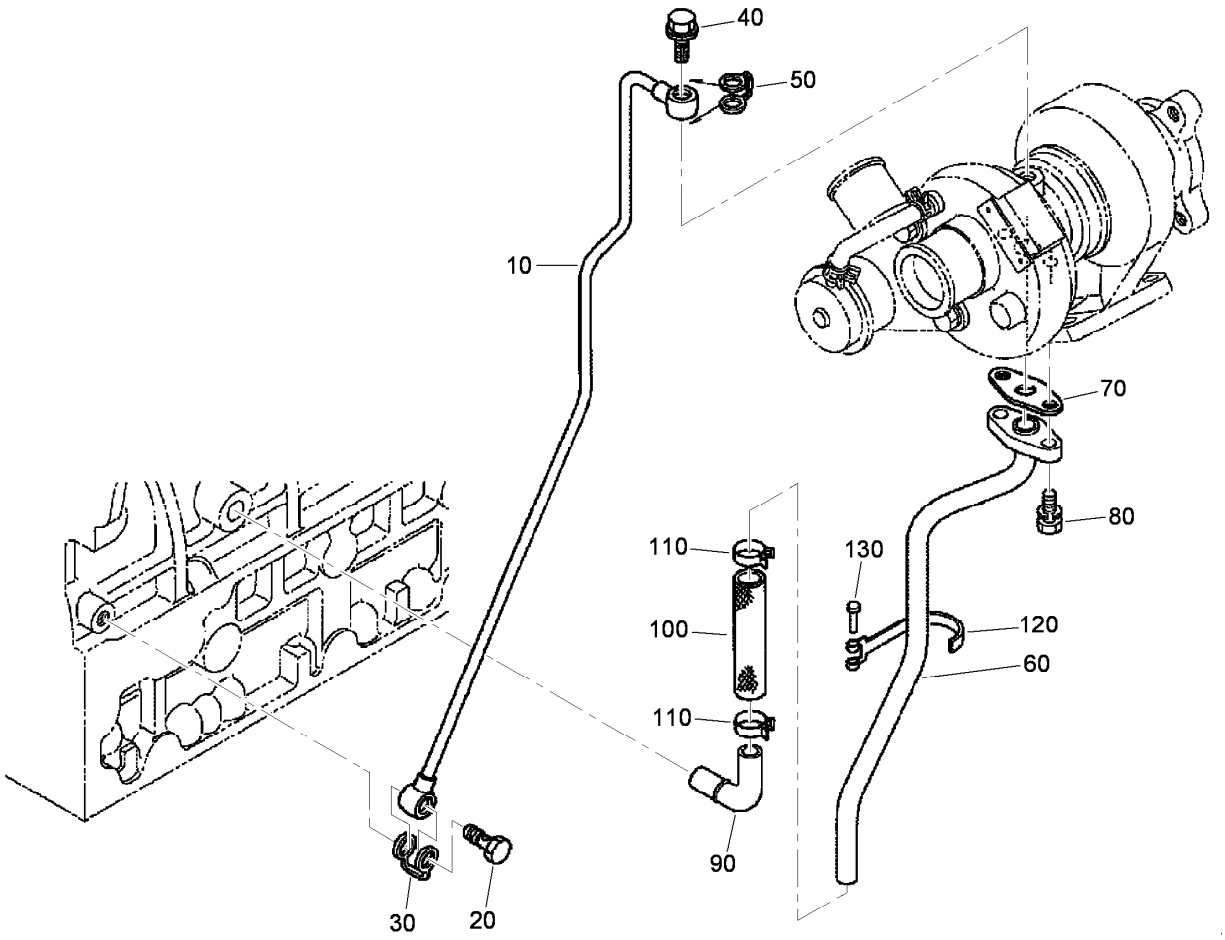
Inlet and Exhaust Manifold Assembly

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



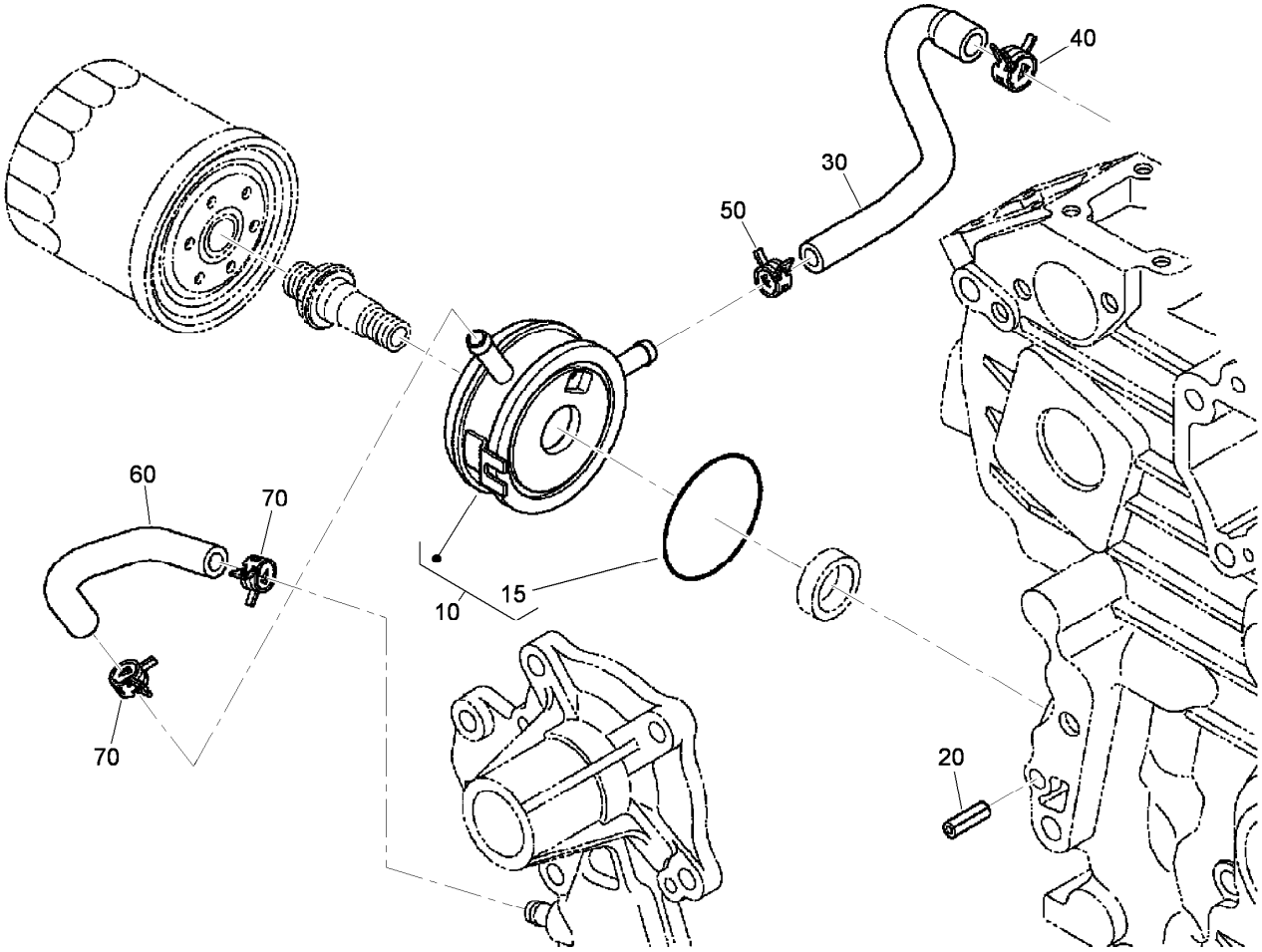
Turbo Charger Assembly

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



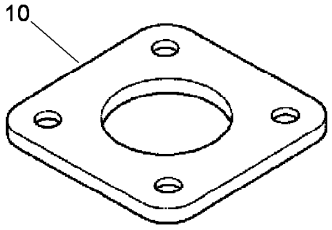
Oil Pipe (Turbo Charger) Assembly

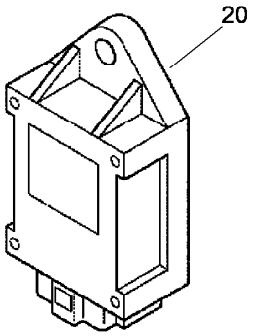
Ref.	*Part Number*	*Qty.*	*Description*
10	115-8633	1	Pipe-Oil
20	100-9321	1	Bolt-Joint, Eye
30	115-8634	1	Gasket
40	115-4126	1	Bolt-Joint, Eye
50	115-8635	1	Gasket
60	115-8636	1	Pipe-Oil
70	108-4422	1	Gasket
80	98-7605	2	Bolt
90	100-9323	1	Pipe-Oil
100	108-7095	1	Tube-Oil
110	98-9714	2	Clamp-Hose
120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

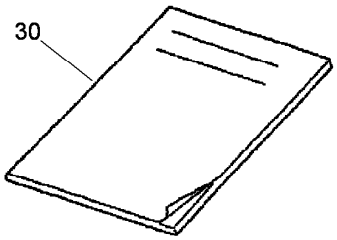


Oil Cooler Assembly

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

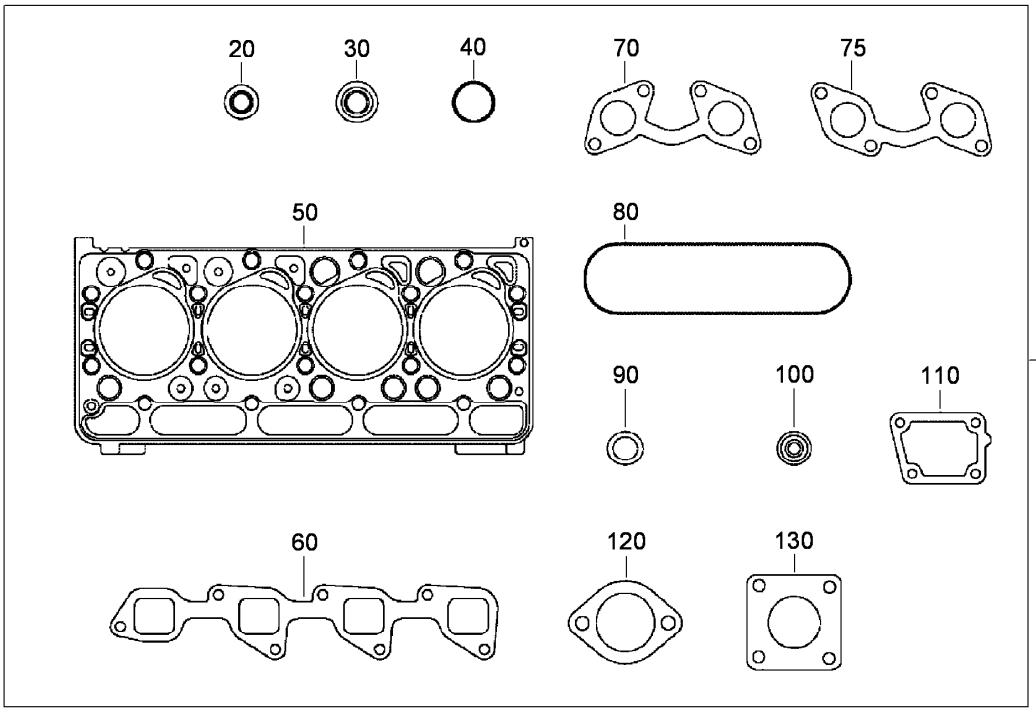






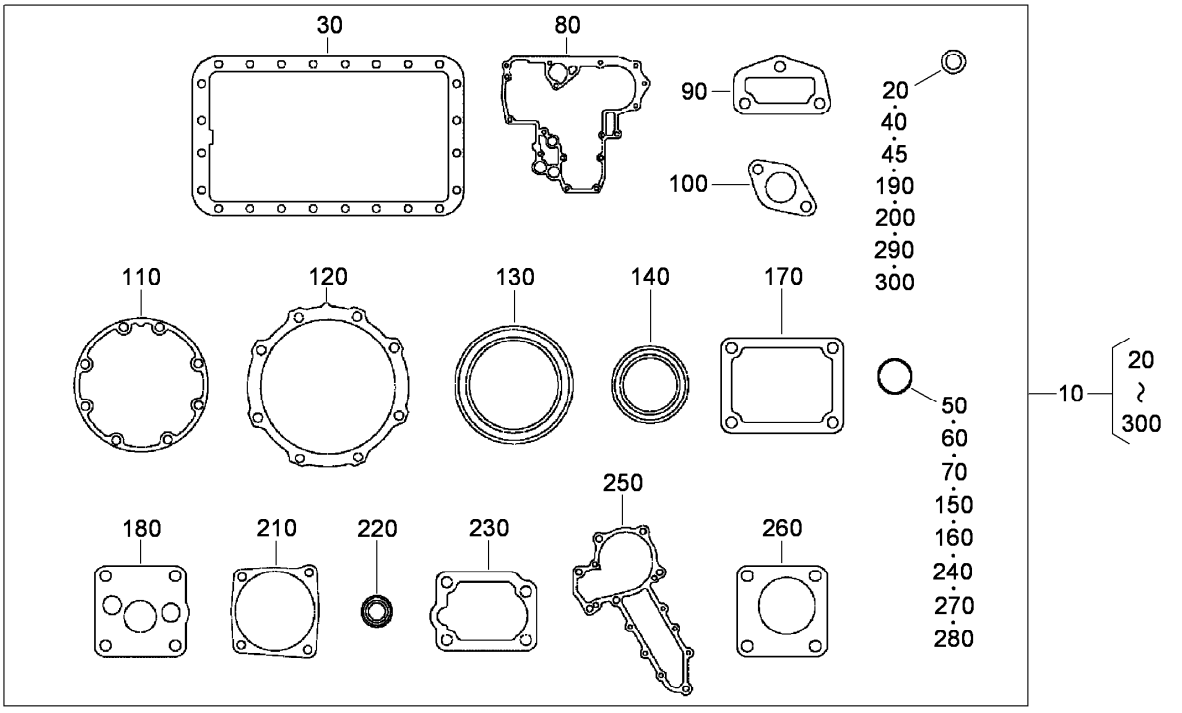
Muffler Gasket, Glow Controller and Operator Manual

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 30412 Groundsmaster 4000-D Traction Unit

Product Name	Model/Part
Test Box-Switch	105-2811
Front Plate Service Kit	107-4328
Atomic Blade Service Pack (7 Pack)	108-1450
Accessory Wiring Kit	110-3263
Flat Blade Service Pack (7 Pack)	110-6130
Hardtop Sunshade	30359
Deluxe Seat Suspension	30396
Standard Seat Kit	30398
Right-Hand Replacement Mower	30415
Left-Hand Replacement Mower	30416
Front Center Replacement Mower	30417
Guardian Recycler Conversion Kit	30420
Speed Control Kit	30421
Leaf Mulcher Kit	30422
Debris Blower	30425
Rotary Broom	30426
Flow Divider Kit	30429
Road Light Kit	30442
Air Ride Seat Suspension Kit	30621
Premium Seat Kit	30622
Arm Rest Kit	30707

Notes:

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Count on it.