



Form No. 3374-303 Rev D

Count on it.

Parts Catalog

Groundsmaster® 4000-D Rotary Mower

Model No. 30448N—Serial No. 313000001 and Up



Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

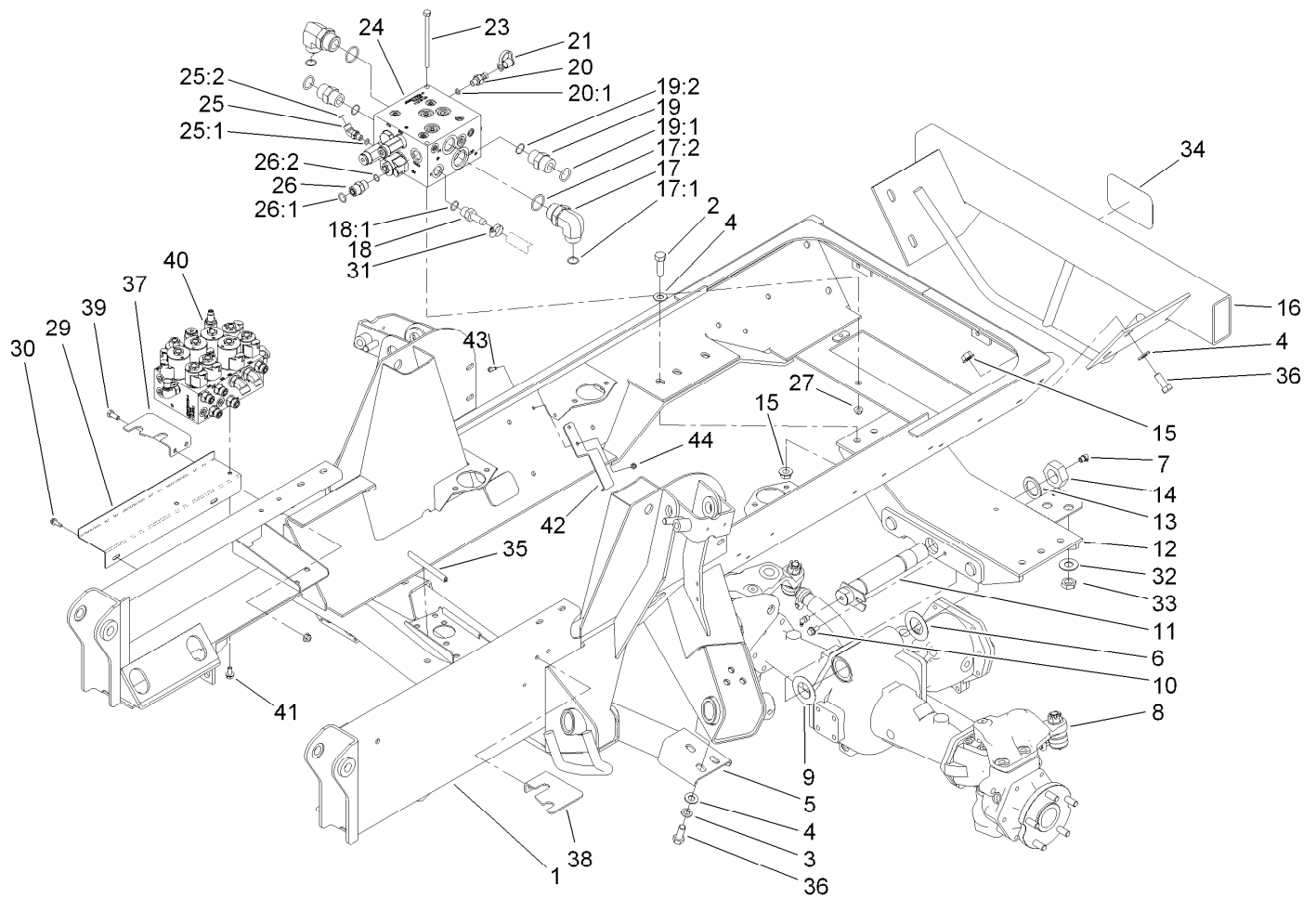
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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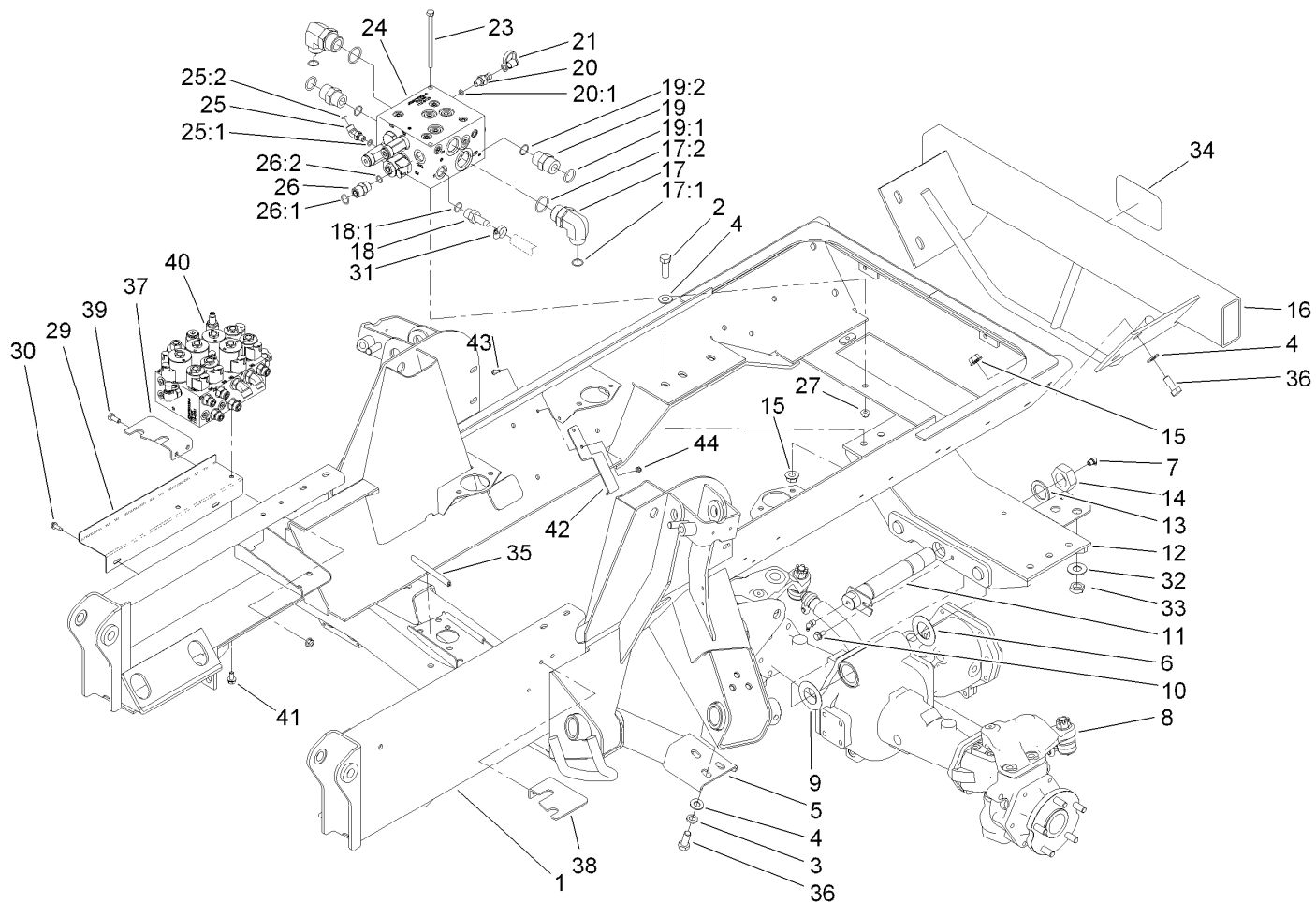
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Frame, Rear Axle Mount and Bumper Assembly

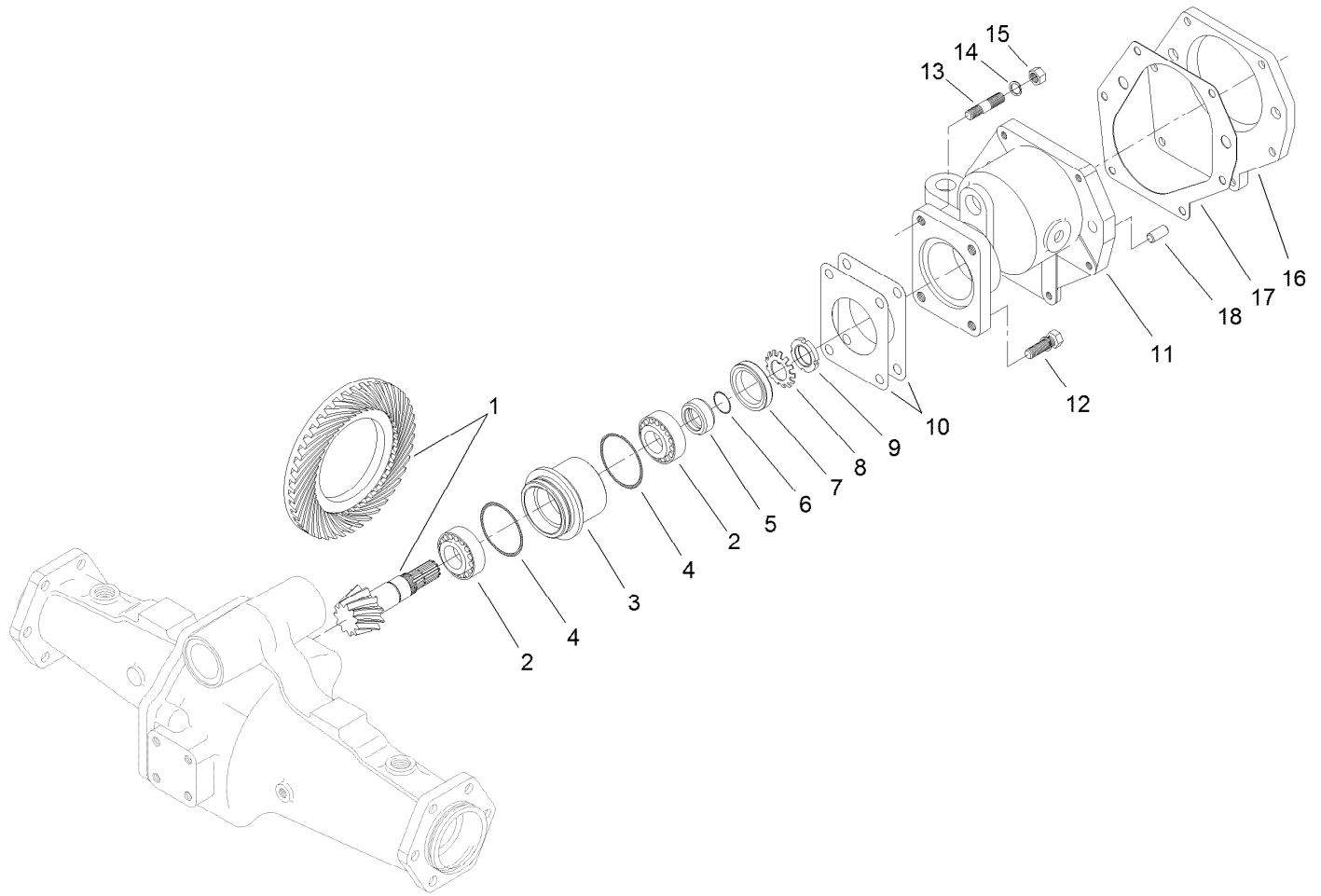
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	99-5450-03	1	Frame	19	340-9	2	Fitting-STR
2	325-6	6	Screw-HH	19:1	237-58	1	O-Ring
3	3253-7	6	Washer-Lock	19:2	237-81	1	O-Ring
4	3256-26	16	Washer-Flat	20	354-77	1	Fitting-Quick
5	115-3760-03	1	Support-Frame	20:1	237-78	1	O-Ring
6	99-8432	2	Washer-Thrust	21	354-79	1	Cap-Dust
7	302-33	2	Fitting-Grease	23	322-29	2	Screw-HH
8	110-4750	1	Drive Axle ASM	24	112-9123	1	4-Wheel Drive Manifold ASM
9	99-8431	2	Washer-Thrust	25	340-103	1	Fitting-HYD, 45 DEG
10	32144-14	1	Screw-HWHTF	25:1	237-78	1	O-Ring
11	98-7077	1	Pin-Axle, Rear	25:2	237-21	1	O-Ring
12	107-0230-03	1	Mount-Rear	26	340-4	1	Fitting-Straight
13	92-1765	1	Washer-Thrust	26:1	237-30	1	O-Ring
14	3296-68	1	Nut-Lock, NI	26:2	237-79	1	O-Ring
15	32128-23	10	Nut-HF	27	104-8300	2	Nut-HF, NI
16	104-7505-03	1	Bumper	29	117-5706-03	1	Shield-Splash
17	340-15	2	Fitting-Elbow 90	30	32104-95	2	Screw-HWH
17:1	237-58	1	O-Ring	31	2412-36	1	Clamp-Hose
17:2	237-146	1	O-Ring	32	69-8940	2	Washer
18	354-121	1	Fitting-STR	33	340-70	2	Nut-Lock
18:1	237-79	1	O-Ring				



Frame, Rear Axle Mount and Bumper Assembly (continued)

Ref.	Part Number	Qty.	Description
34	67-1300	1	Decal
35	108-8079	2	Trim
36	325-5	10	Screw-HH
37	117-5707-03	1	Plate-Bulkhead, RH
38	117-5708-03	1	Plate-Bulkhead, LH
39	32144-69	4	Screw-HWHTF

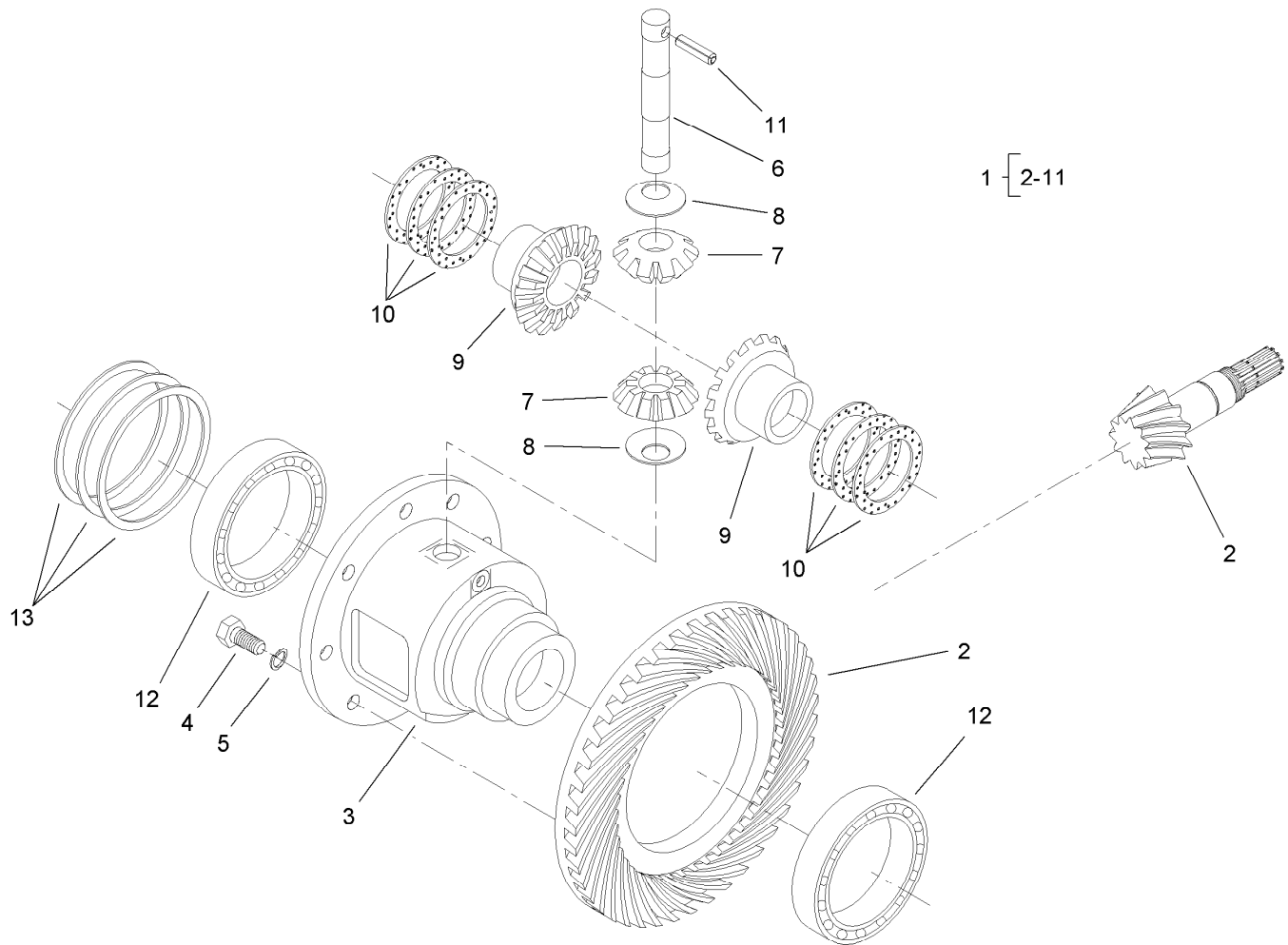
Ref.	Part Number	Qty.	Description
40	119-0061	1	HYD Lift Manifold ASM
41	3234-14	2	Screw-HHF
42	119-0070	1	Clamp-Hose
43	3290-126	2	Screw-HWH
44	3296-2	2	Nut-Lock, NI



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

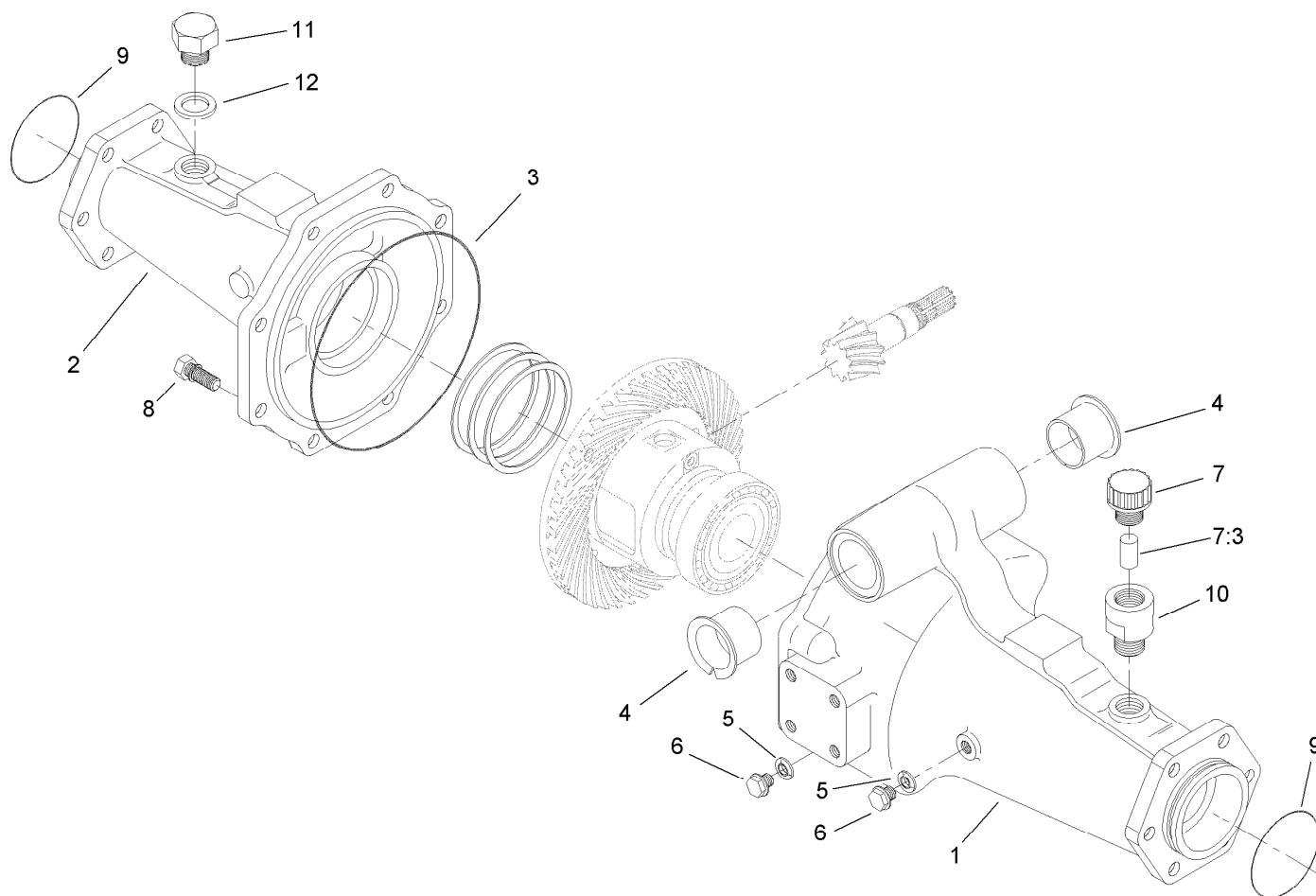
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106-1093	1	Ring And Pinion Set
2	99-7570	2	Bearing-Roller, Taper
3	95-7534	1	Case-Bearing
4	106-1065	2	O-Ring
5	99-7572	1	Collar-Seal, Oil
6	106-1066	1	O-Ring
7	99-7574	1	Seal-Oil
8	99-7559	1	Washer-Lock
9	99-7560	1	Nut-Lock
10	99-7550	2	Shim 0.1

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



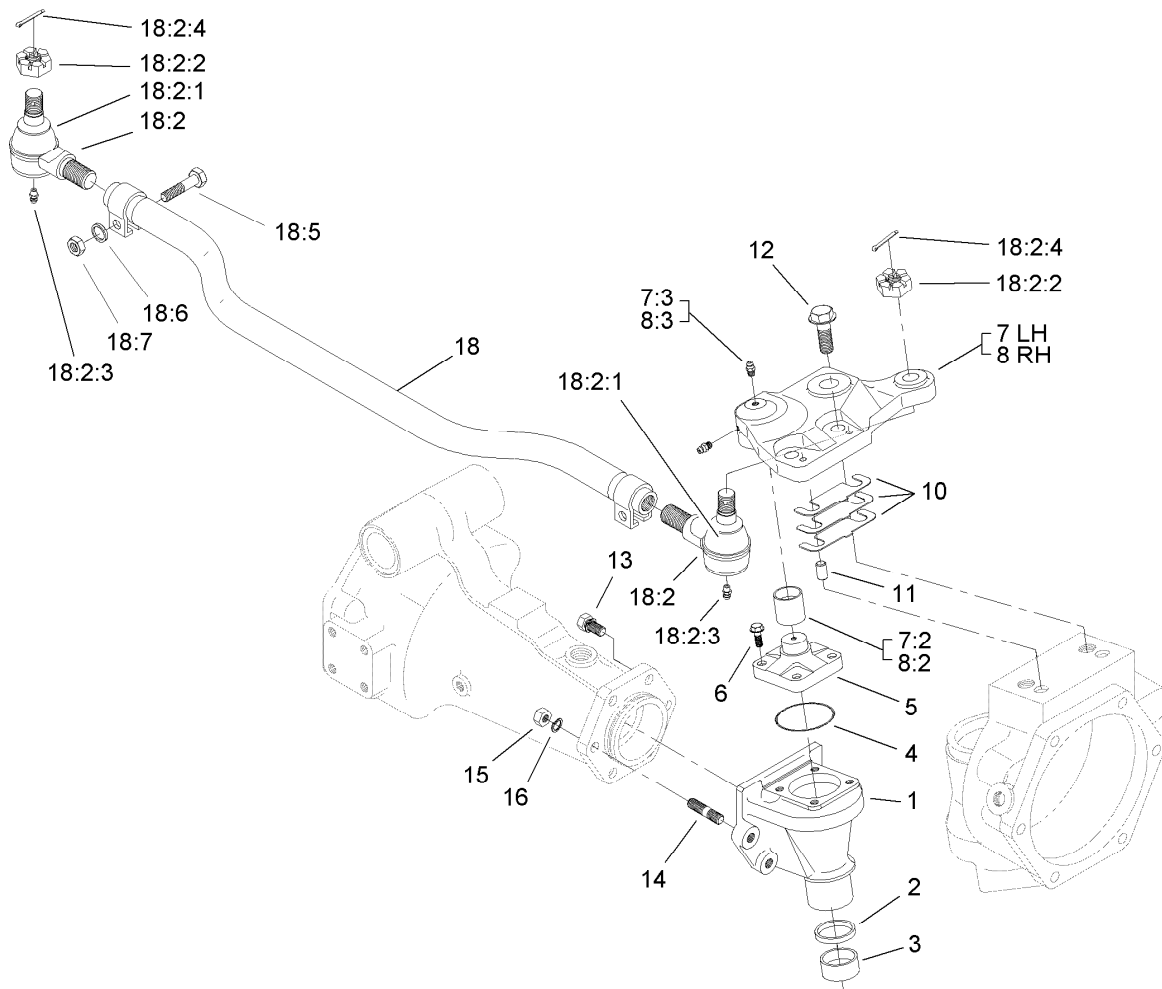
Differential Assembly Rear Axle Assembly No. 110-4750

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

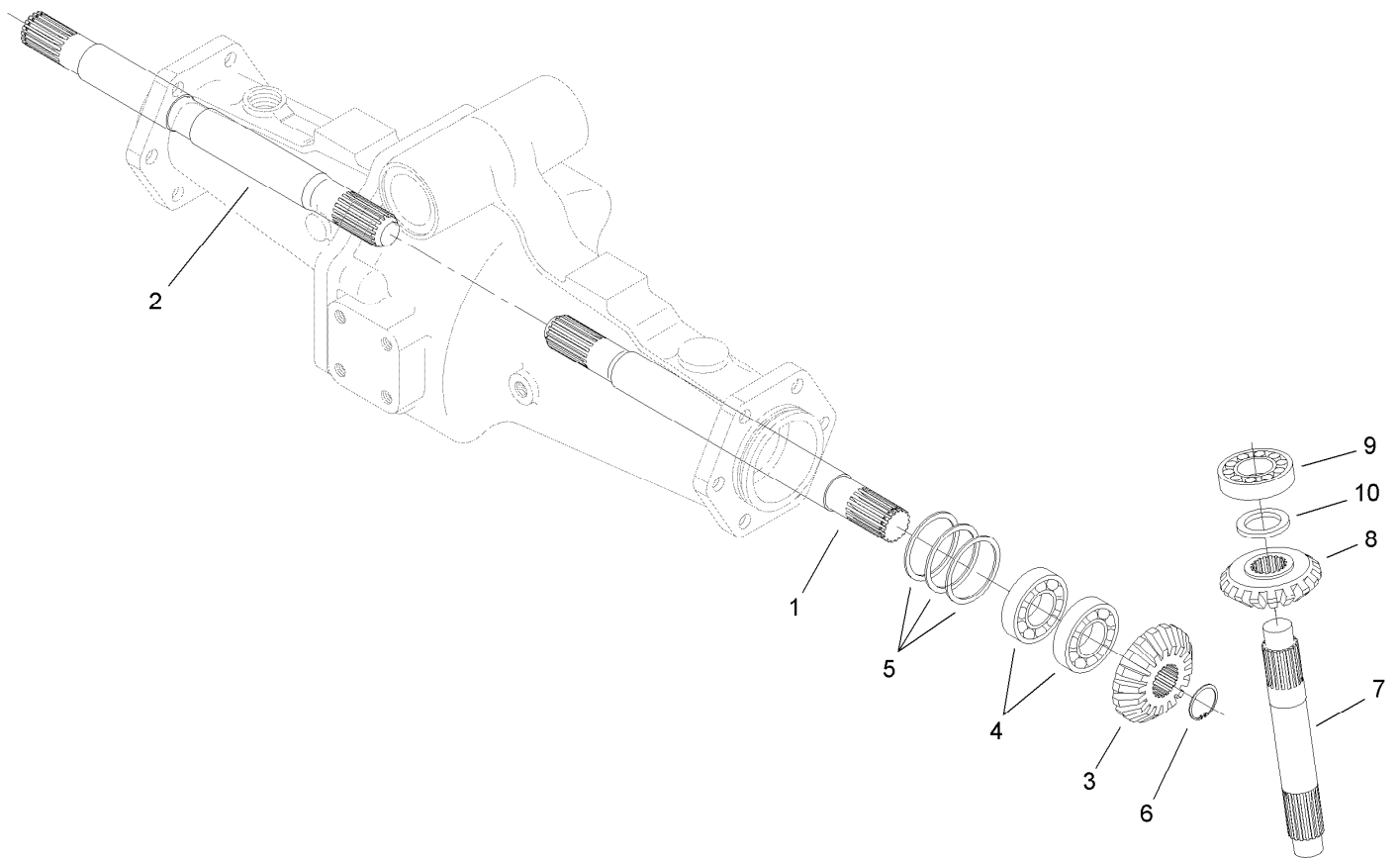
Ref.	Part Number	Qty.	Description
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	106-1067	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7590	2	Washer-Seal
6	99-7589	2	Plug
7	110-4812	1	Axle Vent ASM
7:3	110-4815	1	Insert-Filter, Foam
8	99-7592	8	Bolt
9	106-1068	2	O-Ring
10	104-2377	1	Extension-Vent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



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

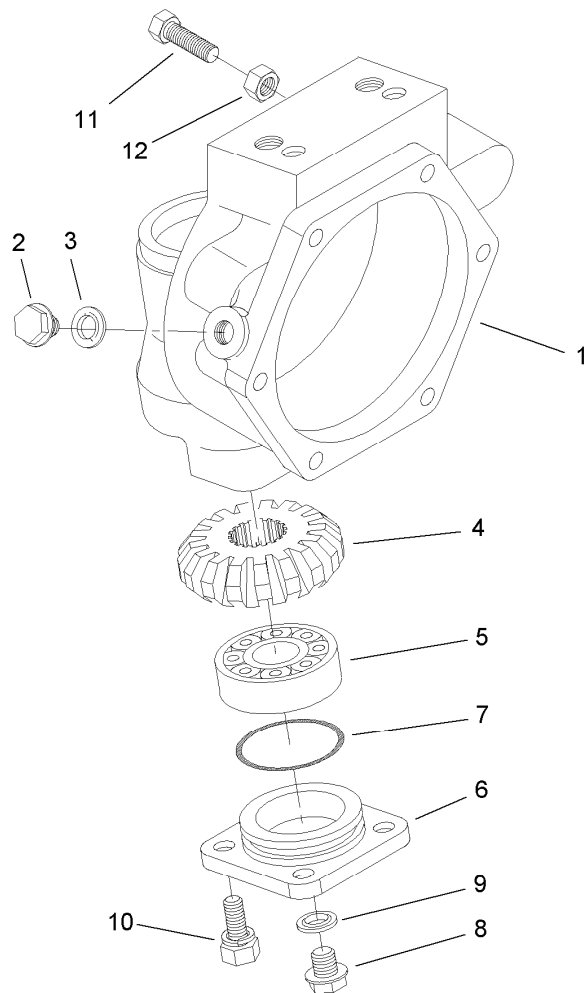
Ref.	Part Number	Qty.	Description
1	110-4752	2	Case-Gear, Bevel
2	110-4754	2	Seal-Oil
3	104-2378	2	Bushing
4	106-1069	2	O-Ring
5	104-2373	2	Knuckle
6	104-2374	8	Bolt
7	100-3768	1	LH Steering Arm ASM
7:2	104-8634	1	Bushing
7:3	106-1104	2	Fitting-Grease
8	100-3766	1	RH Steering Arm ASM
8:2	104-8634	1	Bushing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



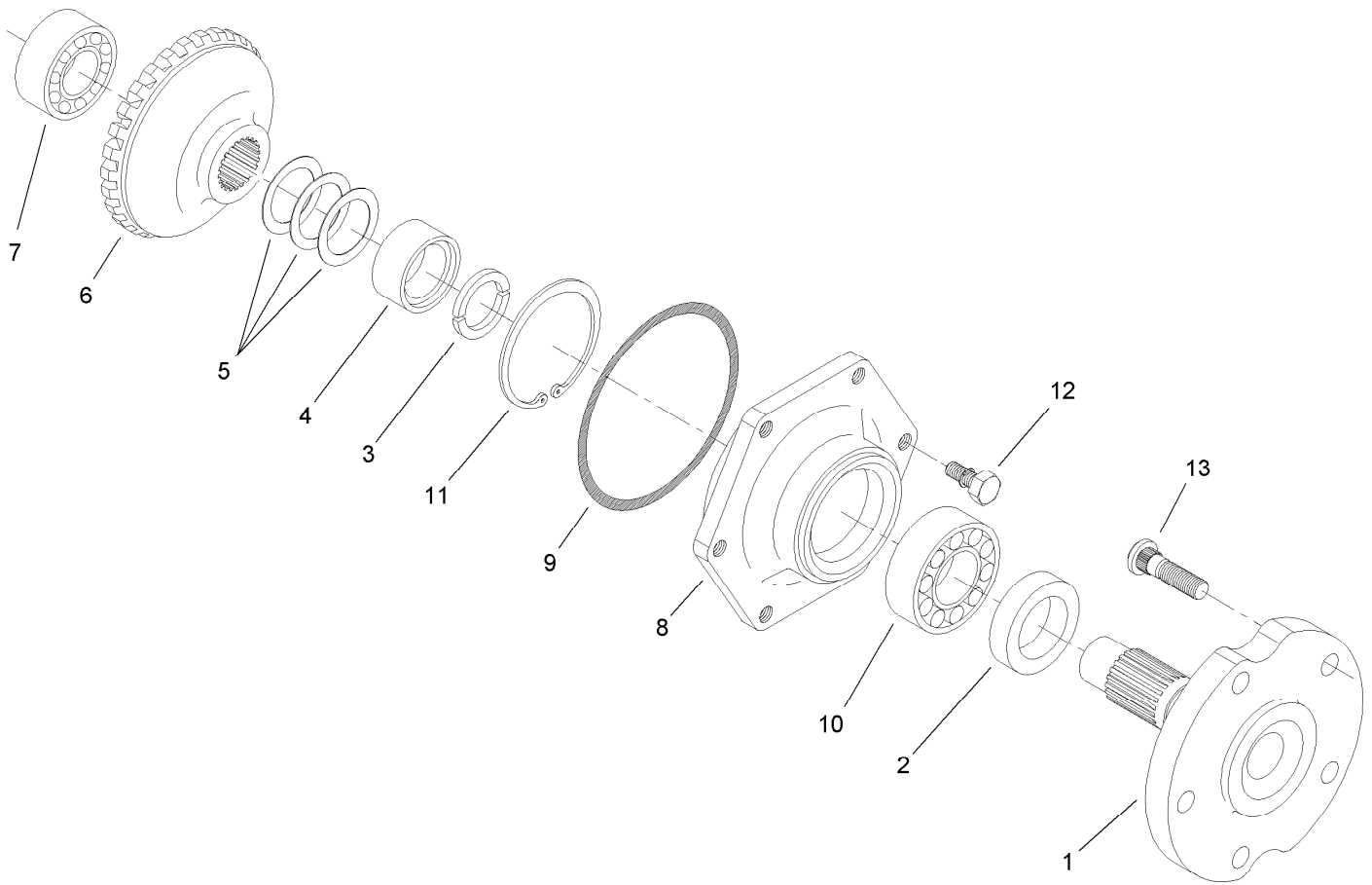
Bevel Gear Shaft Assembly Rear Axle Assembly No. 110-4750

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

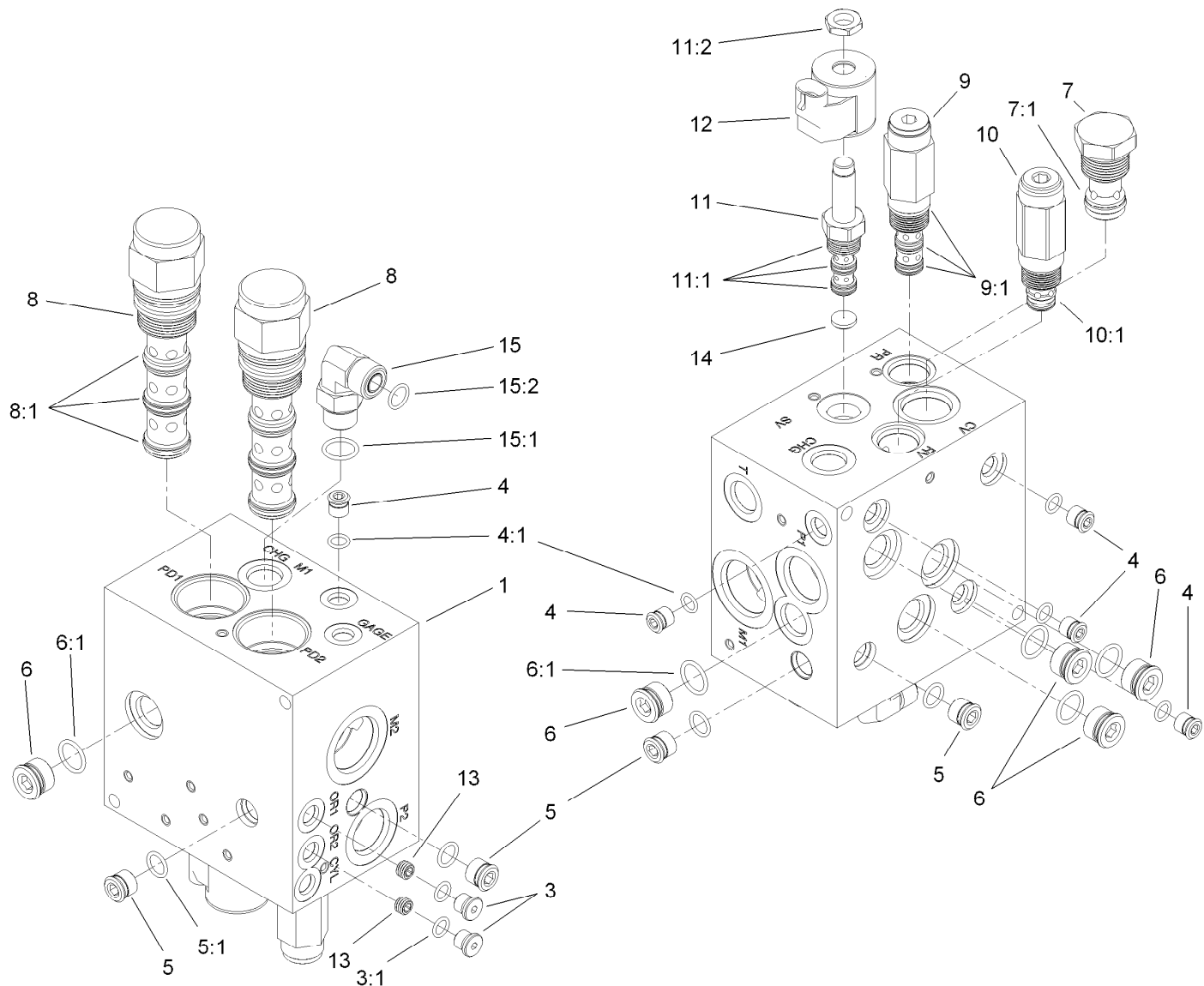
Ref.	Part Number	Qty.	Description
1	110-4751	2	Case-Axle
2	99-7535	2	Plug
3	99-7536	2	Washer-Seal
4	95-7527	2	Gear-Bevel, 17 Tooth
5	99-7532	2	Bearing-Roller, Taper
6	100-2560	2	Cover
7	106-1070	2	O-Ring
8	99-7589	2	Plug
9	99-7590	2	Washer-Seal
10	100-2562	8	Bolt
11	106-1102	2	Bolt-Stop
12	106-1103	2	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

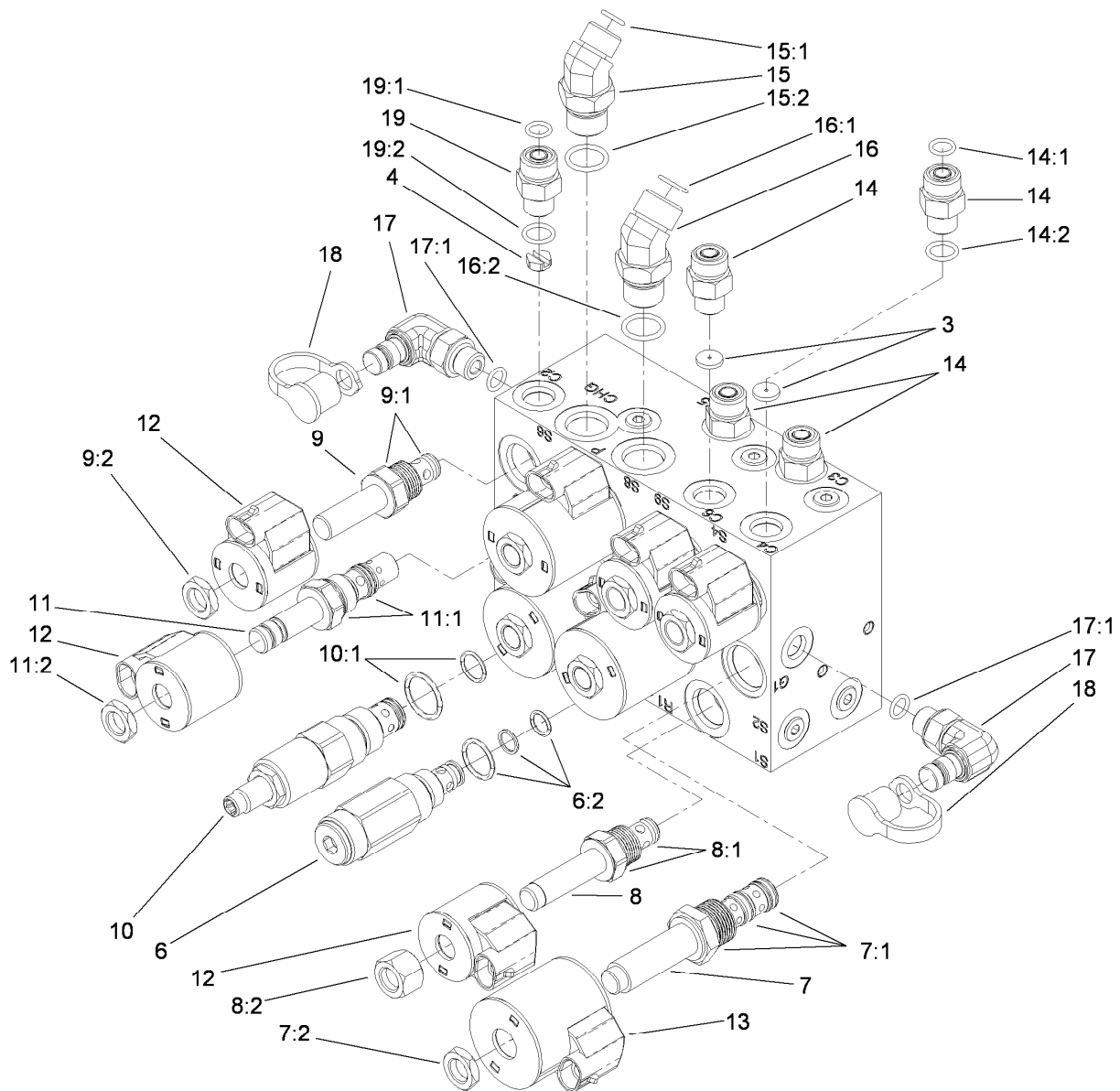


4-Wheel Drive Manifold Assembly No. 112-9123

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
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

Ref.	Part Number	Qty.	Description
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)
15	340-98	1	Fitting-Elbow, 90 DEG
15:1	237-79	1	O-Ring
15:2	237-30	1	O-Ring

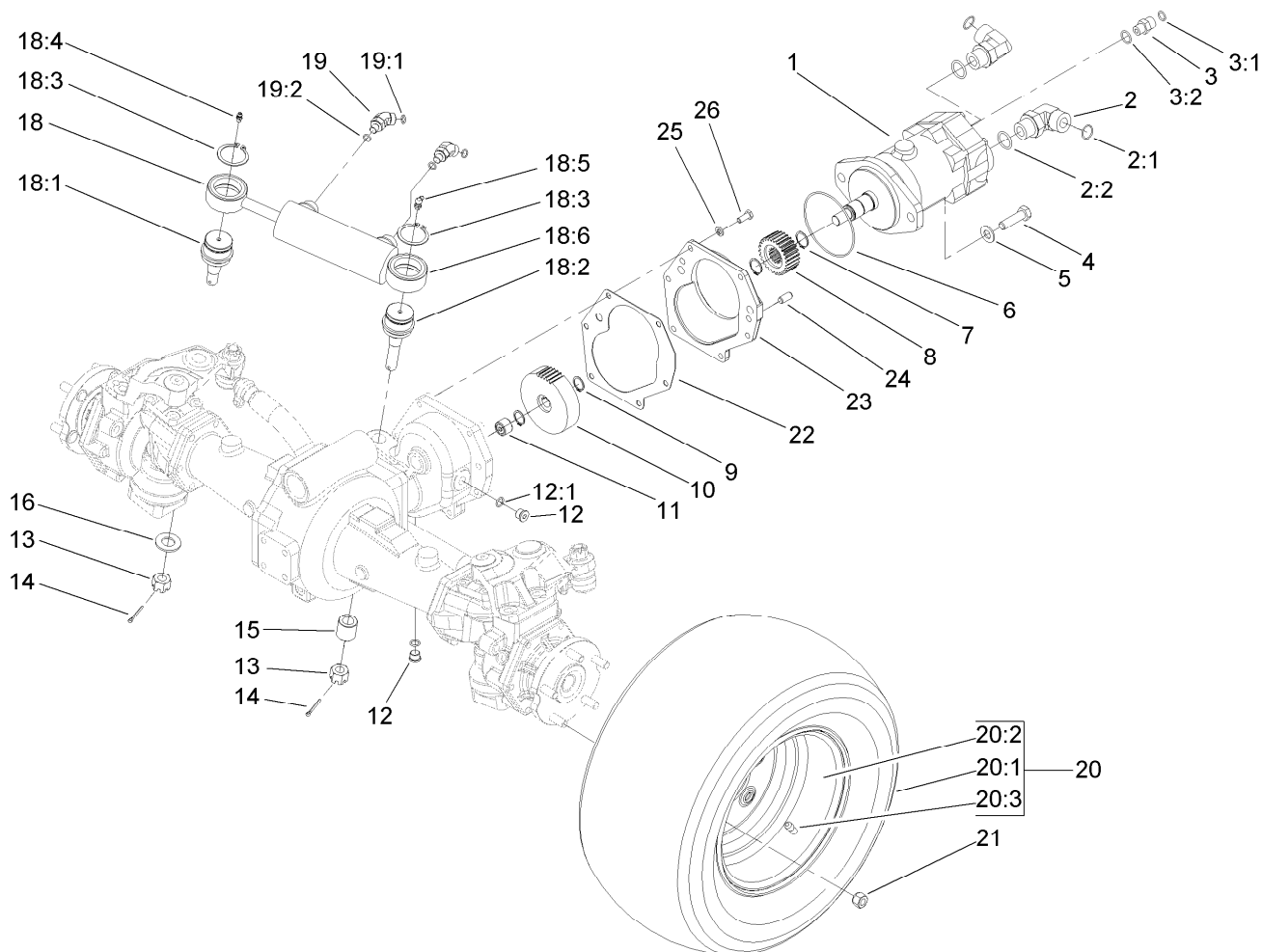
● Not serviced separately



Lift Manifold Assembly No. 119-0061

Ref.	Part Number	Qty.	Description
3	117-4757	2	Orifice-Disk, .063
4	119-5342	1	Orifice-Control, Flow (.035)
6	105-9844	1	Valve-Relief
6:2	105-9156	1	Seal Kit
7	115-5400	4	Solenoid Valve ASM
7:1	107-7813	1	Seal Kit
7:2	110-2634	1	Nut-Coil
8	107-7517	1	Valve-Solenoid
8:1	105-9156	1	Seal Kit
8:2	107-7812	1	Nut-Solenoid
9	112-9206	3	Solenoid Valve ASM
9:1	105-9156	1	Seal Kit
9:2	110-2634	1	Nut-Coil
10	119-0062	1	Valve-Relief
10:1	110-6316	1	Seal Kit
11	115-5405	1	Solenoid Valve ASM
11:1	115-5413	1	Seal Kit
11:2	110-2634	1	Nut-Coil

Ref.	Part Number	Qty.	Description
12	110-0497	5	Coil-Solenoid
13	110-6344	4	Coil-12V, DC
14	340-2	4	Fitting-Straight
14:1	237-22	1	O-Ring
14:2	237-42	1	O-Ring
15	340-138	1	Fitting-HYD, 45 DEG
15:1	237-79	1	O-Ring
15:2	237-22	1	O-Ring
16	340-101	1	Fitting-HYD, 45 DEG
16:1	237-30	1	O-Ring
16:2	237-79	1	O-Ring
17	115-9147	2	Fitting-Elbow, 90 DEG
17:1	237-78	1	O-Ring
18	354-79	2	Cap-Dust
19	119-5343	1	Fitting-HYD, Straight
19:1	237-22	1	O-Ring
19:2	237-42	1	O-Ring

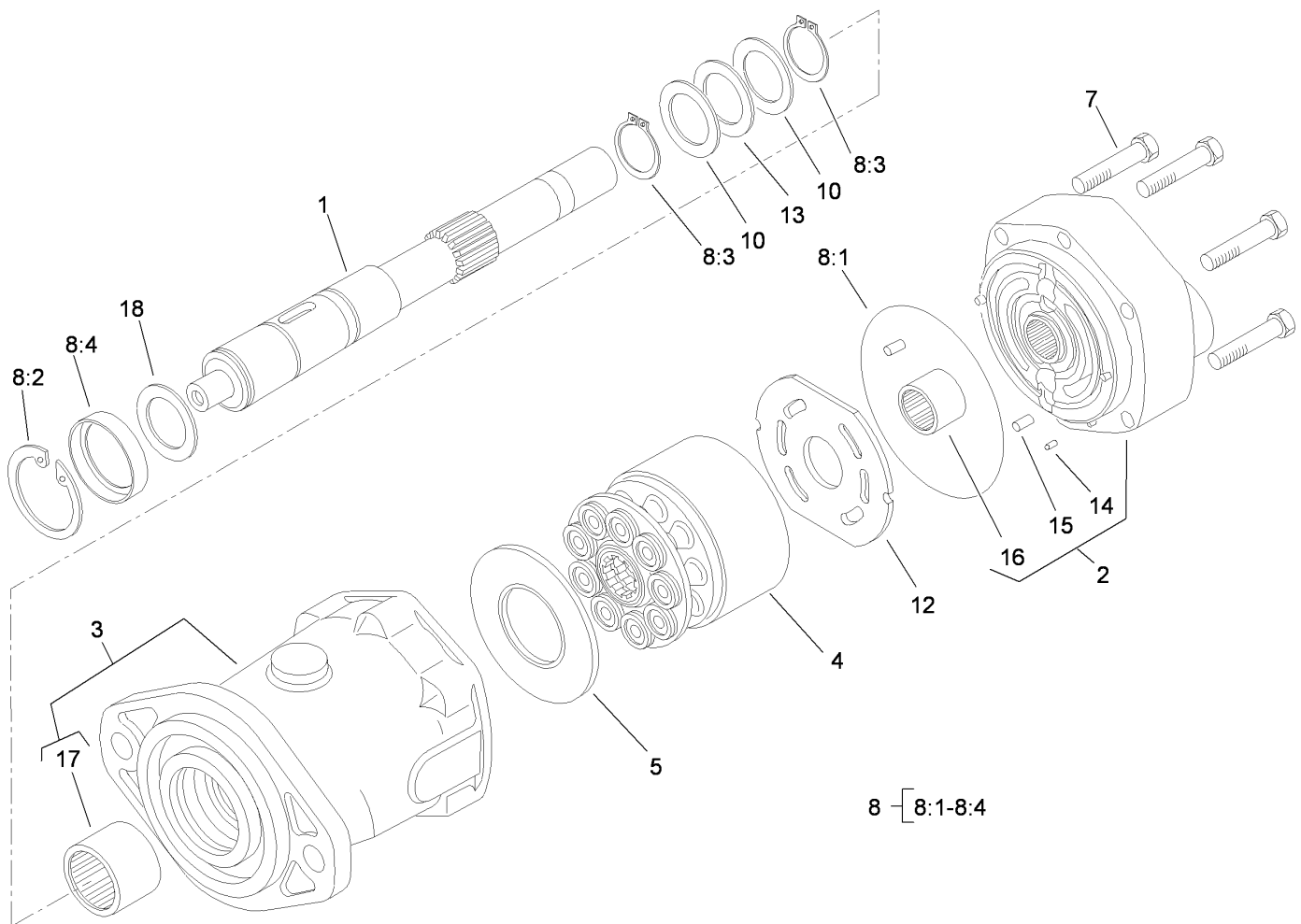


4 Wheel Drive Rear Axle and Tire Assembly

Ref.	Part Number	Qty.	Description
1	104-0764	1	Piston Motor ASM
2	340-142	2	Fitting-Elbow, 90 DEG
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

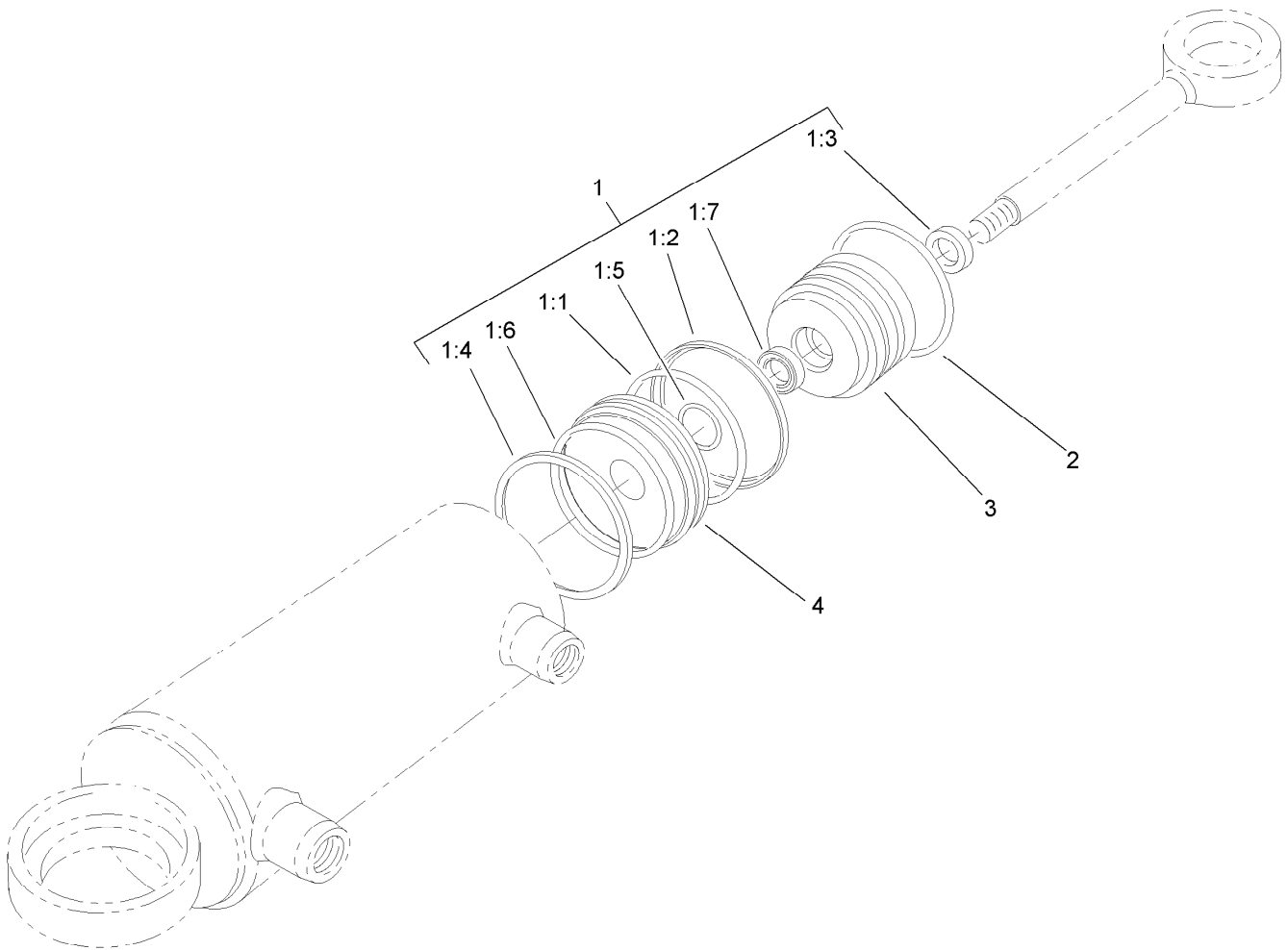


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Piston Motor Assembly No. 104-0764

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	O-Ring ●
8:2	76-7010	1	Ring-Retaining
8:3	76-7000	2	Ring-Retaining
8:4		1	Seal-Shaft ●
10	76-6950	2	Race-Thrust
12	94-3003	1	Plate-Valve
13	76-6960	1	Bearing-Thrust
14		3	Pin-Dowel ●
15		1	Pin-Dowel ●
16		1	Bearing-Needle ●
17		1	Bearing-Needle ●
18	60-6240	1	Washer

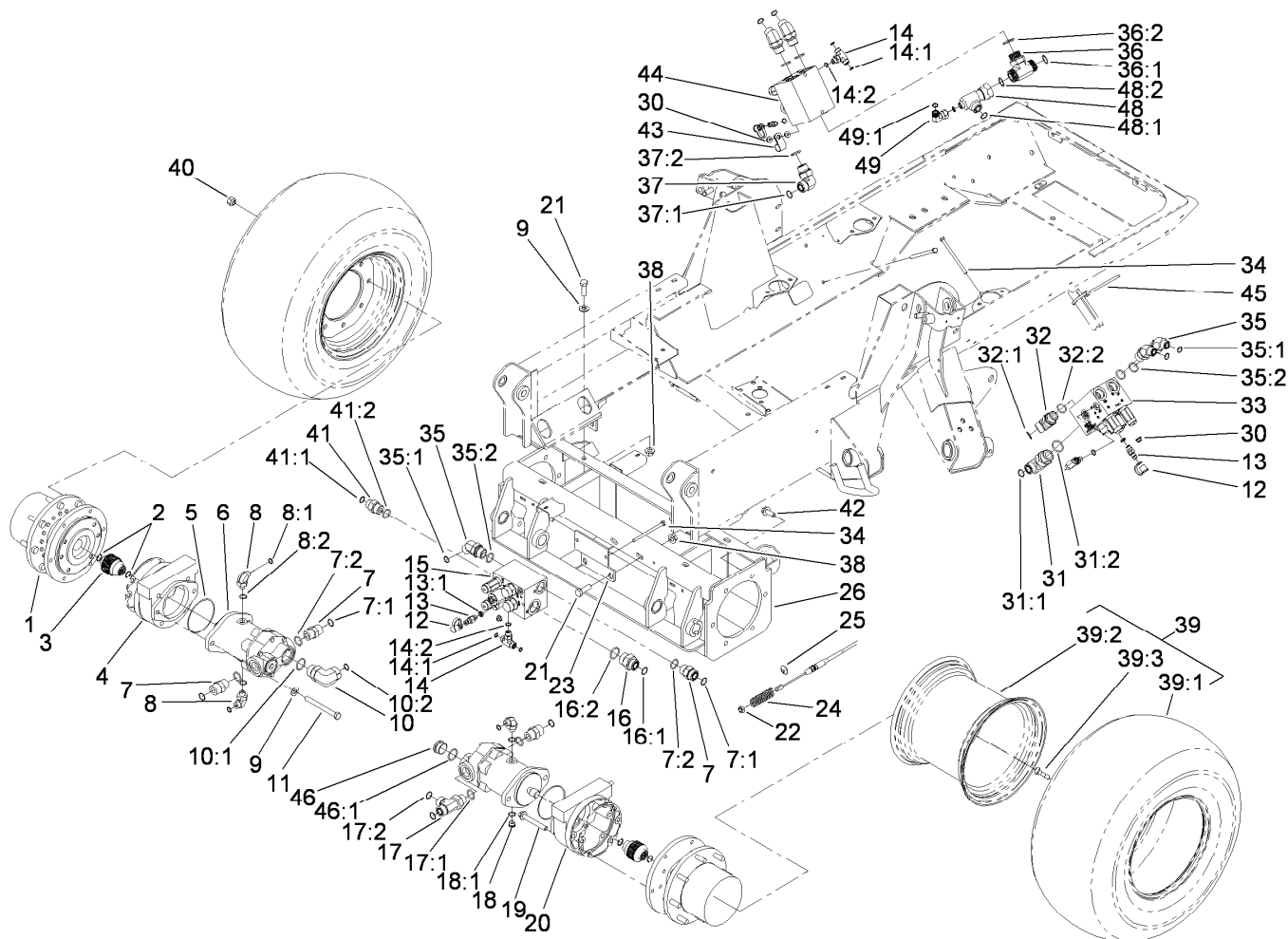
● Not serviced separately



Steering Cylinder Assembly No. 105-0775

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

● Not serviced separately

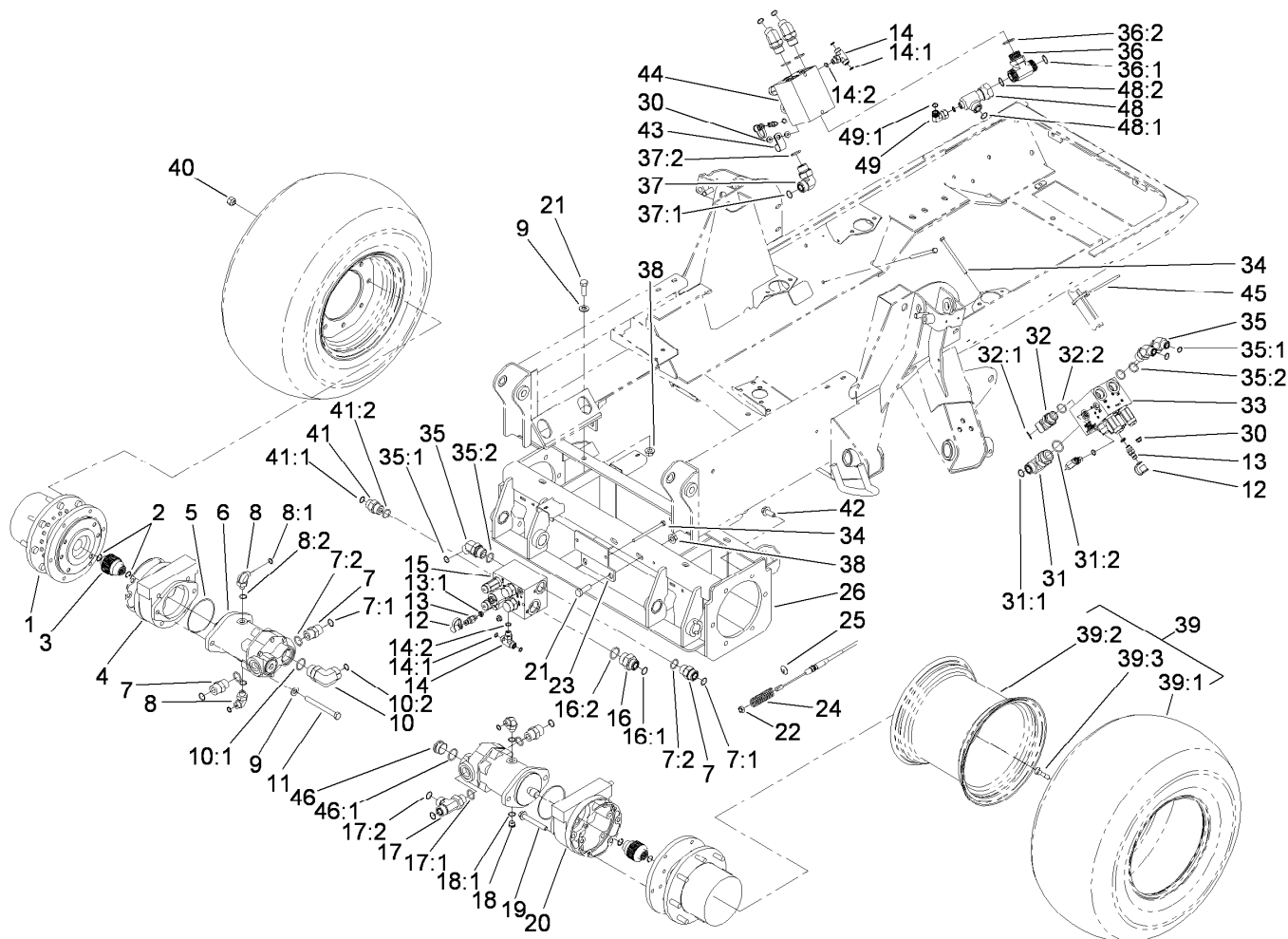


Planetary, Brake and Tire Assembly

Ref.	Part Number	Qty.	Description
1	105-4588	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	119-0111	4	Plate-Spring
26	114-9775-03	1	Frame-Front
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
33	115-8469	1	PTO Manifold ASM
34	322-38	6	Screw-HH
35	340-156	5	Fitting-Elbow 45

● Not serviced separately

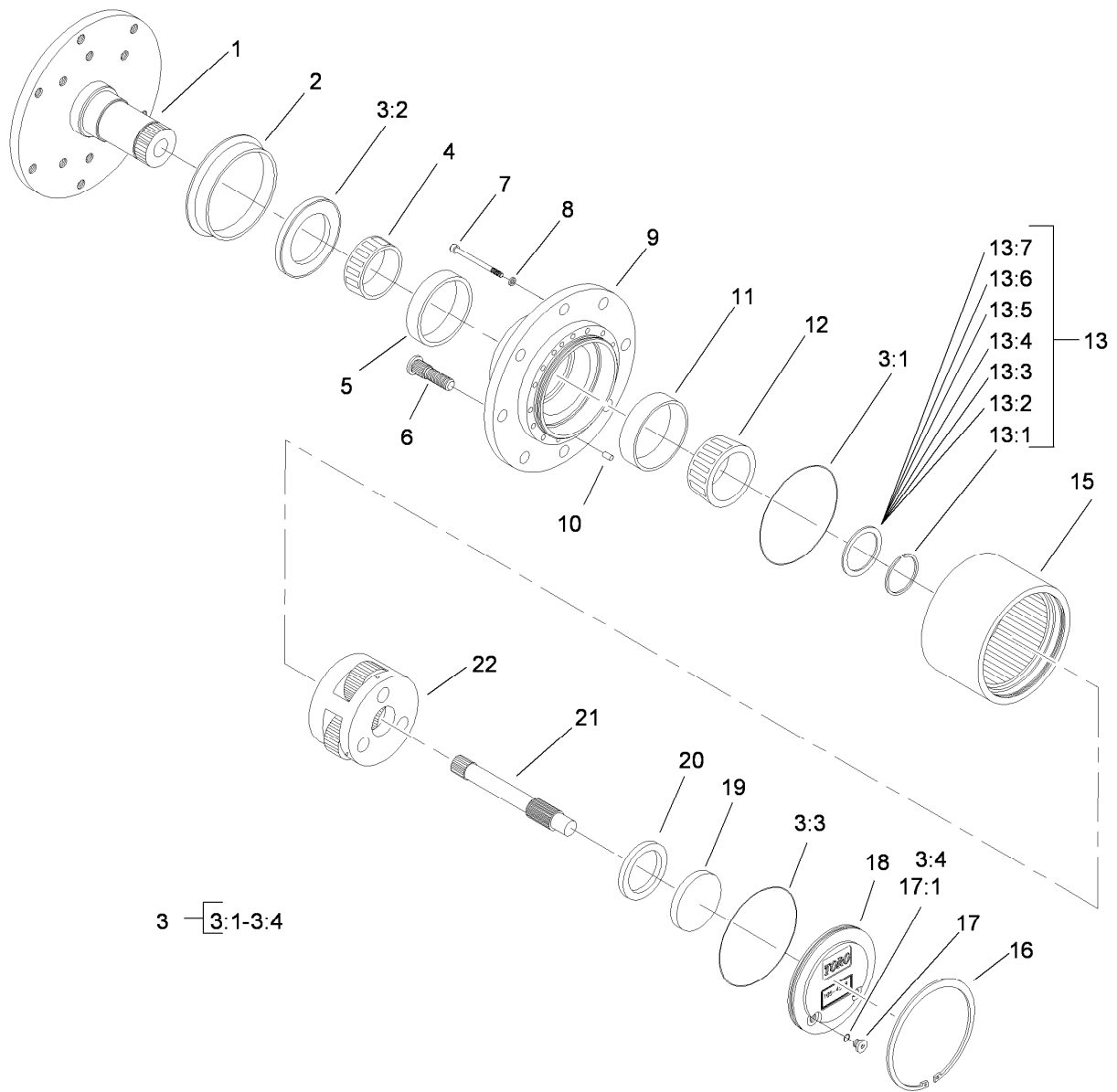


Planetary, Brake and Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
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 DEG
37:1	237-58	1	O-Ring
37:2	237-81	1	O-Ring
38	32128-23	8	Nut-HF
39		2	Wheel And Tire ASM ●
39:1	119-8313	1	Tire
39:2	119-8314	1	Rim
39:3	232-27	1	Stem-Valve
40	242-50	16	Nut-Lug

Ref.	Part Number	Qty.	Description
41	340-8	1	Fitting-Straight
41:1	237-65	1	O-Ring
41:2	237-81	1	O-Ring
42	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	Elbow-90
49:1	237-30	1	O-Ring

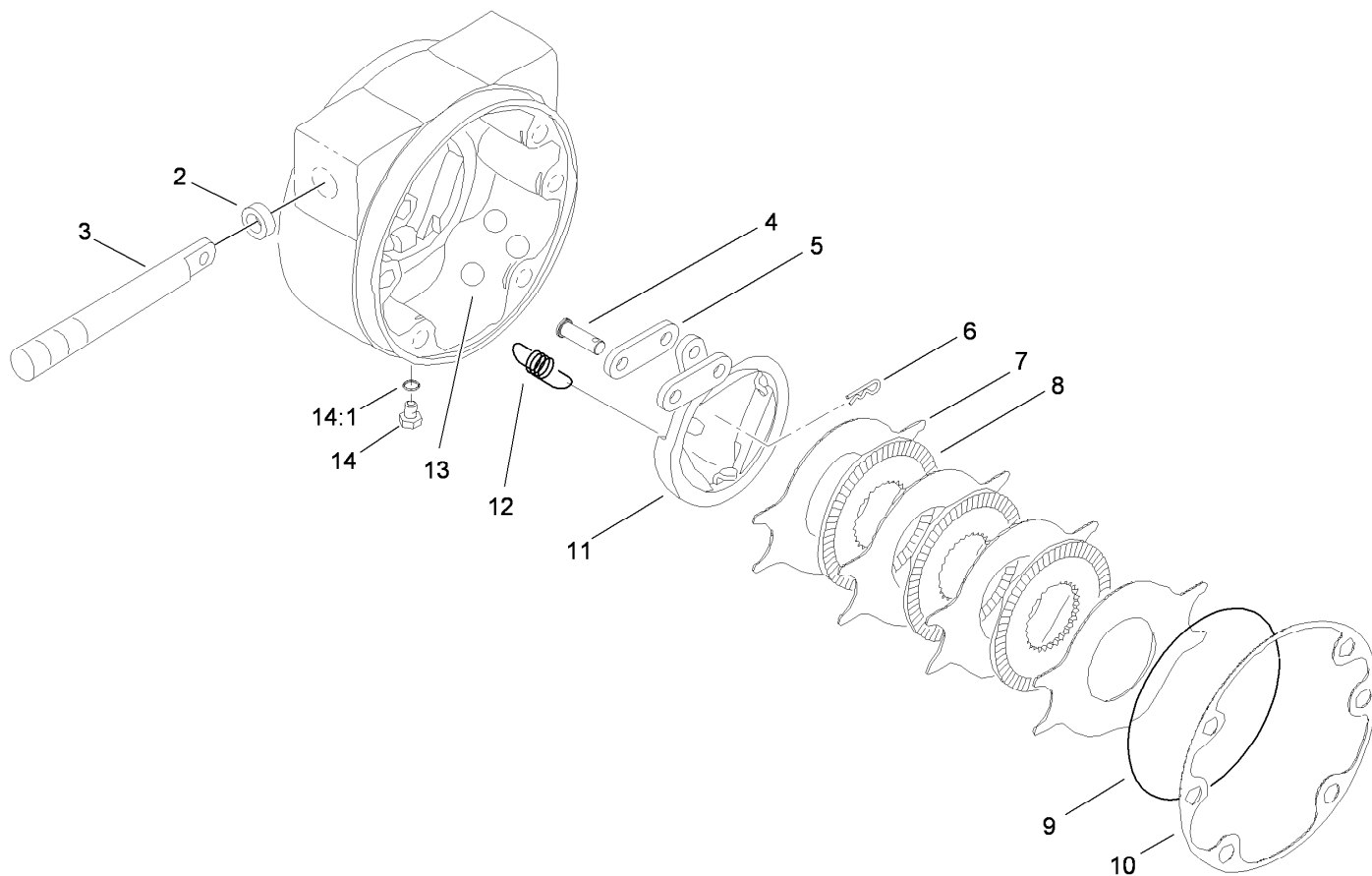
● Not serviced separately



Planetary Assembly No. 105-4588

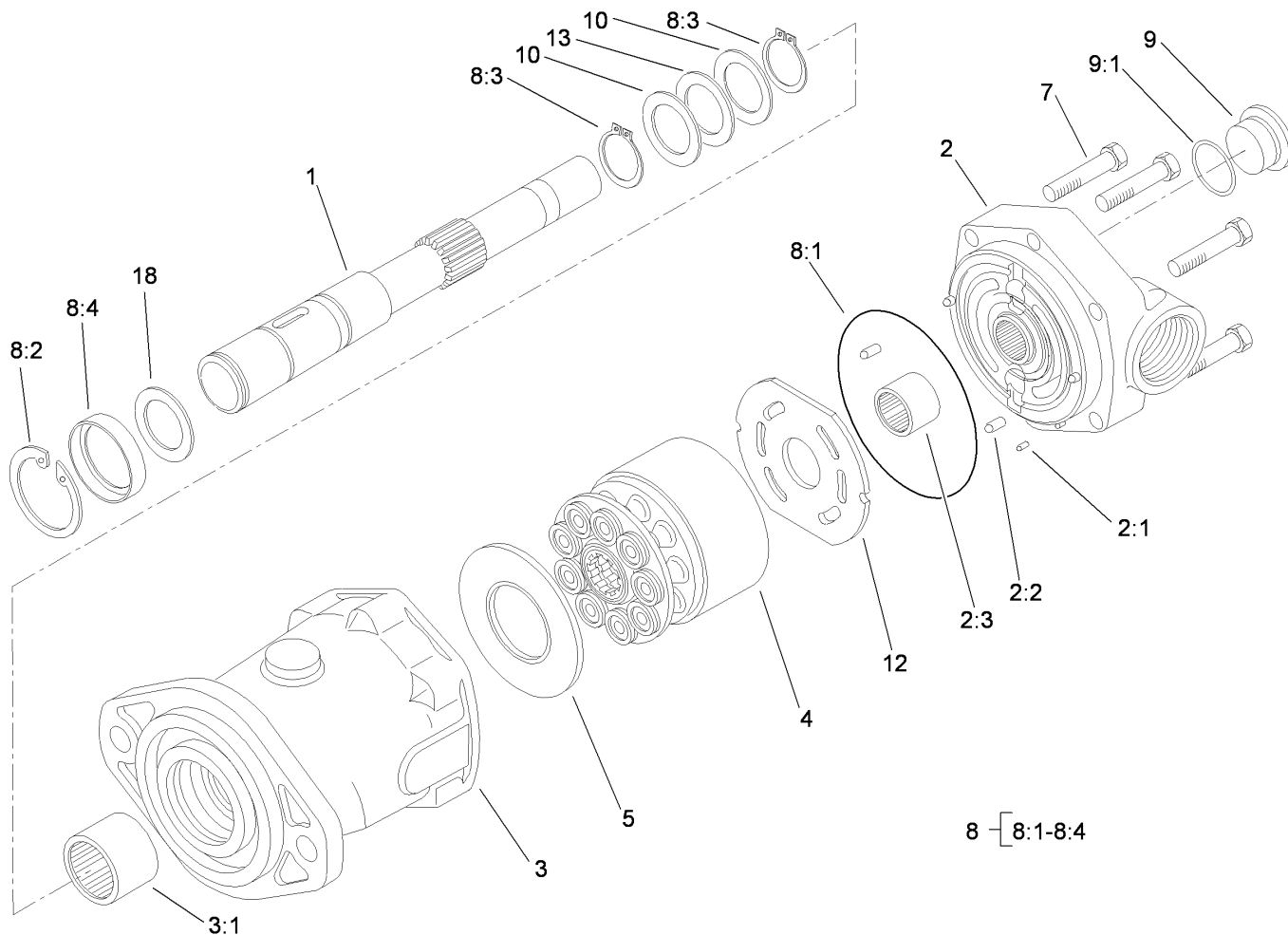
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1		1	Spindle ●	13:1		1	Ring-Snap ●
2	105-8122	1	Seal-Boot	13:2		1	Shim-Bearing, 2.9Mm ●
3	105-8137	1	Seal Kit	13:3		1	Shim-Bearing, 2.8Mm ●
3:1		1	O Ring-Flange Cap ●	13:4		1	Shim-Bearing, 2.7Mm ●
3:2		1	Seal-Oil ●	13:5		1	Shim-Bearing, 2.6Mm ●
3:3		2	O Ring-End Cap ●	13:6		1	Shim-Bearing, 2.5Mm ●
3:4	237-78	2	O-Ring	13:7		1	Shim-Bearing, 2.4Mm ●
4	105-8120	1	Bearing-Cone	15	105-8113	1	Gear-Ring
5	105-8119	1	Bearing-Cup	16	105-8132	1	Ring-Retaining
6	105-8124	8	Stud-Wheel	17	353-990	2	Plug ASM
7	105-8125	16	Bolt-Head, Socket	17:1	237-78	1	O-Ring
8	3253-18	16	Washer-Lock	18	105-8138	1	Cap-End
9		1	Housing ●	19	105-8135	1	Plug-Thrust
10	105-8121	2	Pin-Dowel	20	106-6864	1	Washer-Thrust
11	105-8117	1	Bearing-Cup	21	105-8116	1	Shaft-Drive
12	105-8118	1	Bearing-Cone	22	106-6865	1	Secondary Carrier ASM
13	105-8136	1	Shim Kit				

● Not serviced separately



Brake Assembly No. 100-3069-03

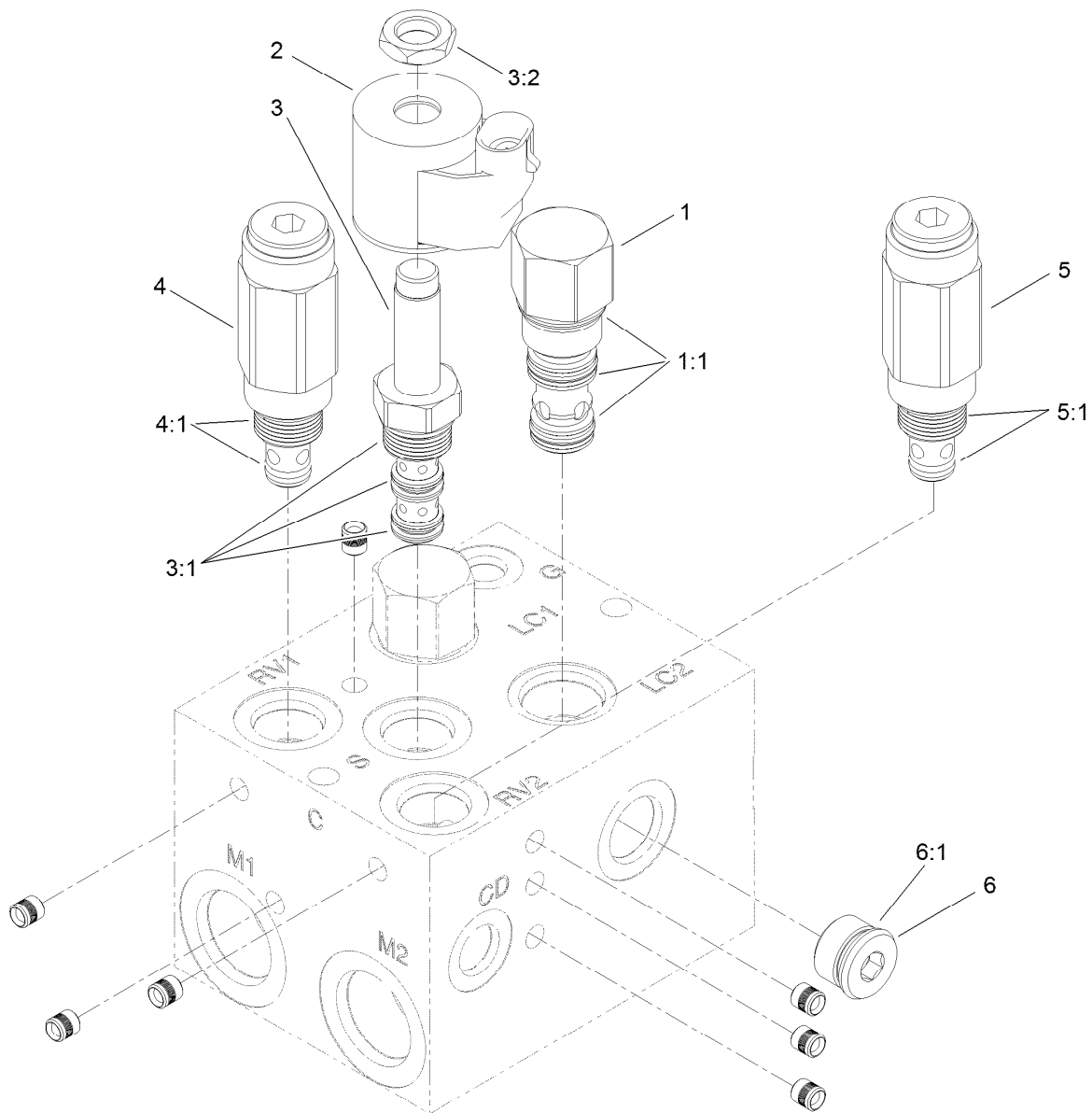
Ref.	Part Number	Qty.	Description
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4280	1	Actuator-Rotating
12	93-7987	3	Spring-Extension
13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



Piston Motor Assembly No. 100-3052

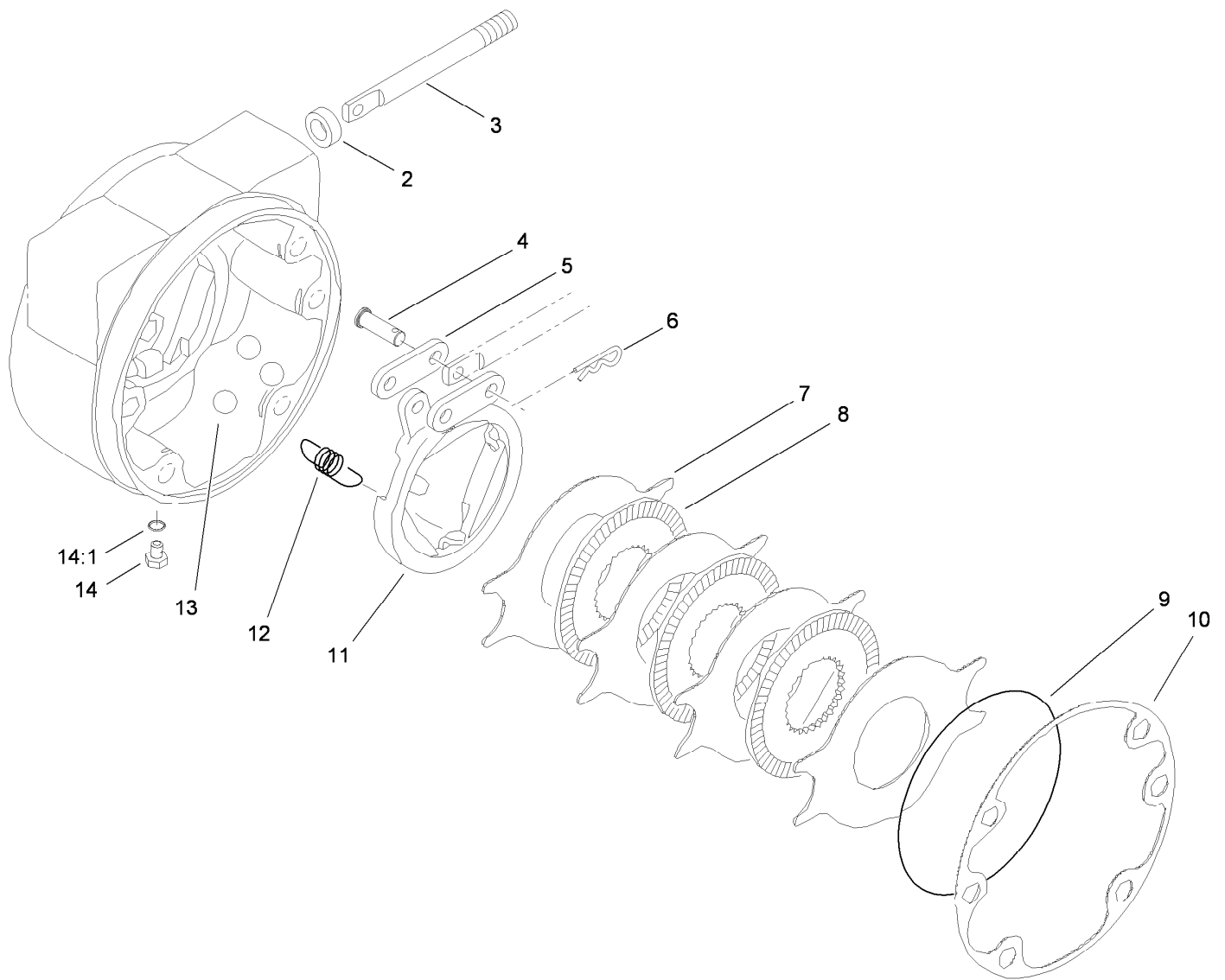
Ref.	Part Number	Qty.	Description
1	94-3004	1	Shaft-Drive, Splined
2	105-2851	1	Backplate ASM
2:1		3	Pin-Dowel ●
2:2		1	Pin-Dowel ●
2:3		1	Bearing-Needle ●
3	105-2852	1	Housing ASM
3:1		1	Bearing-Needle ●
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
7	94-3002	6	Screw-Cap
8	106-6876	1	Seal Kit
8:1		1	O-Ring ●
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



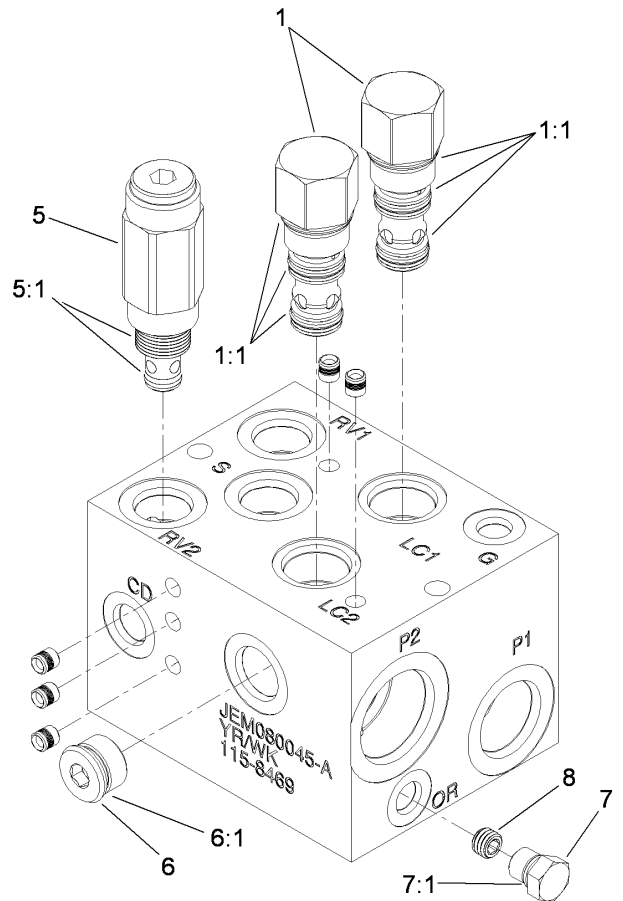
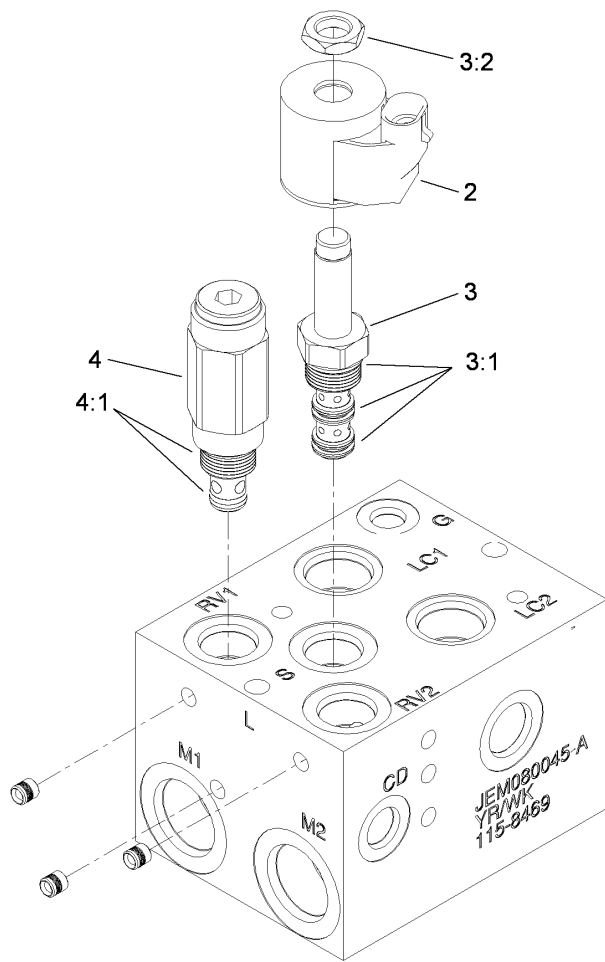
Hydraulic PTO Manifold Assembly No. 115-8467

Ref.	Part Number	Qty.	Description
1	105-9153	2	Element-Logic, Vented
1:1	119-2159	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
6:1	237-79	1	O-Ring



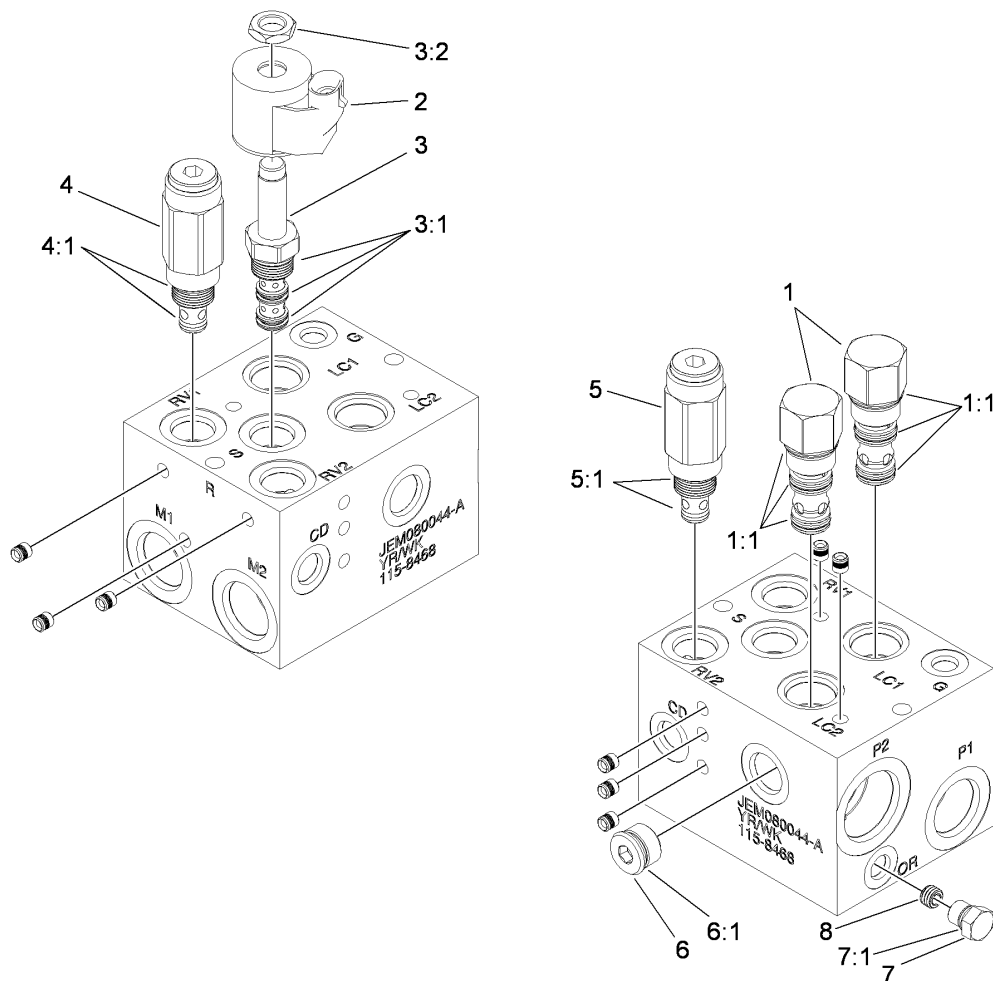
Brake Assembly No. 100-3070-03

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



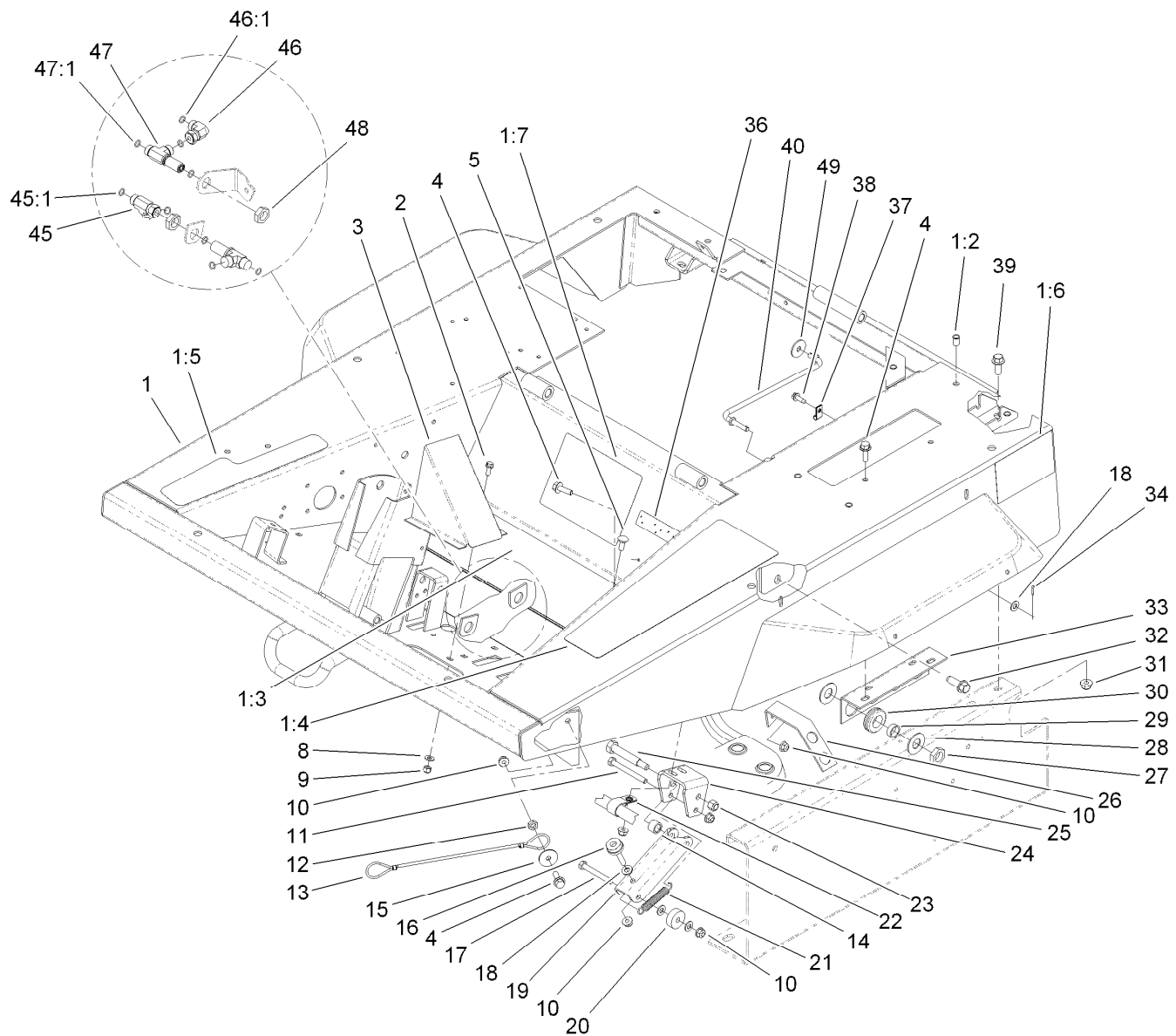
Hydraulic PTO Manifold Assembly No. 115-8469

Ref.	Part Number	Qty.	Description
1	105-9153	2	Element-Logic, Vented
1:1	119-2159	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
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

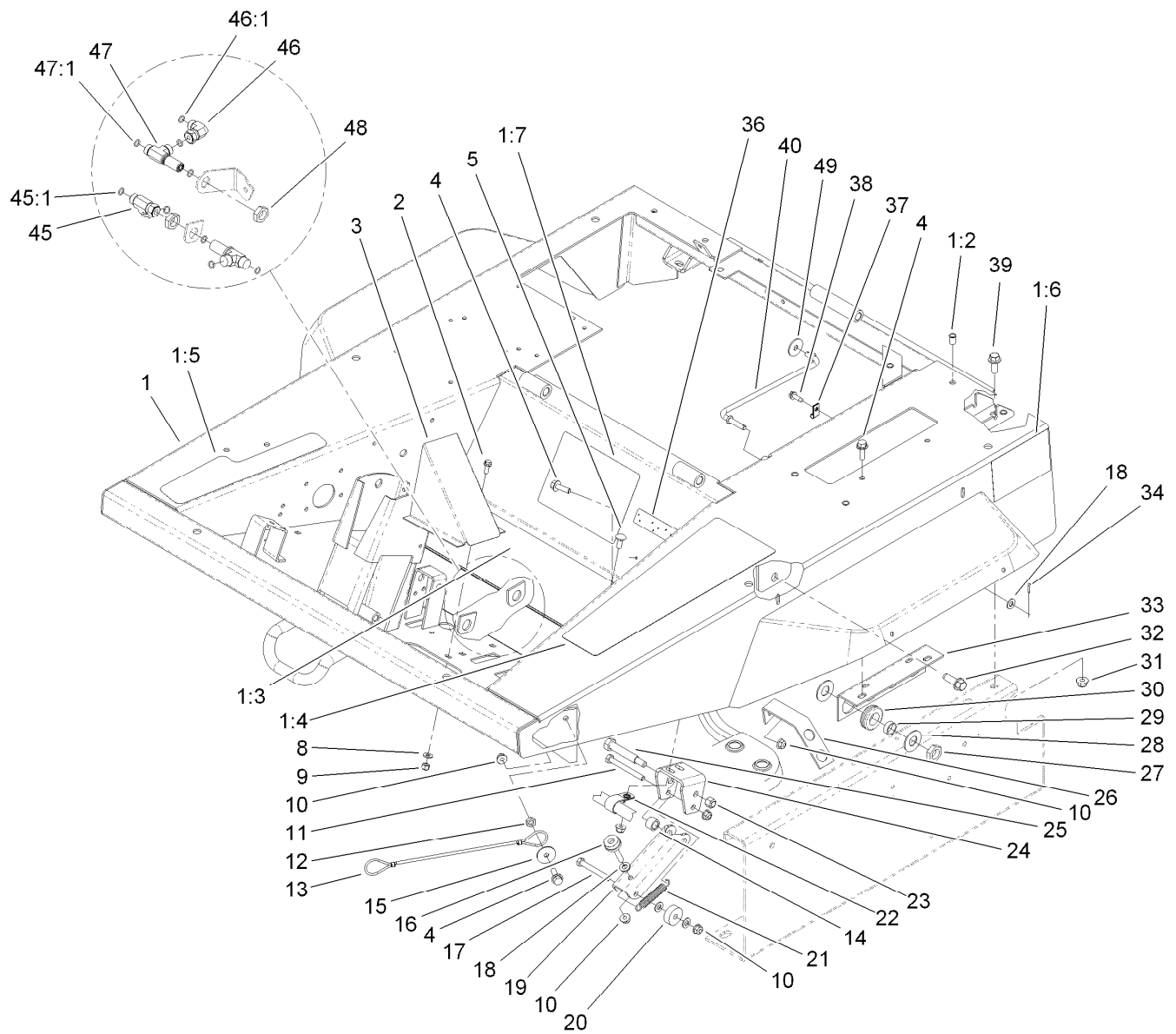
Ref.	Part Number	Qty.	Description
1	105-9153	2	Element-Logic, Vented
1:1	119-2159	1	Seal Kit
2	105-9333	1	Coil-12Vdc
3	110-0494	1	Valve-Solenoid
3:1	110-8773	1	Seal Kit
3:2	110-2634	1	Nut-Coil
4	114-5514	1	Valve-Relief, 2000 PSI
4:1	105-9156	1	Seal Kit
5	114-5512	1	Valve-Relief, 600 PSI
5:1	105-9156	1	Seal Kit
6	106-1027	1	Plug
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 Assembly

Ref.	Part Number	Qty.	Description
1	117-5703	1	Platform ASM
1:2	32148-6	15	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	117-5735	1	Decal-Operating Instructions
2	3234-4	2	Screw-HHF
3	100-3045-01	1	Cover-Tubes
4	3234-29	4	Screw-HHF
5	3230-1	2	Bolt-CARR
8	3256-22	2	Washer-Flat
9	3296-42	2	Nut-Lock, NI
10	104-8300	15	Nut-HF, NI
11	322-14	1	Screw-HH
12	3218-3	1	Nut-Jam
13	110-4896	1	Lanyard
14	47-4420	1	Spacer-Sleeve, Adjustment
15	3256-57	1	Washer-Flat
16	32141-36	1	Screw-Adjustment, Level

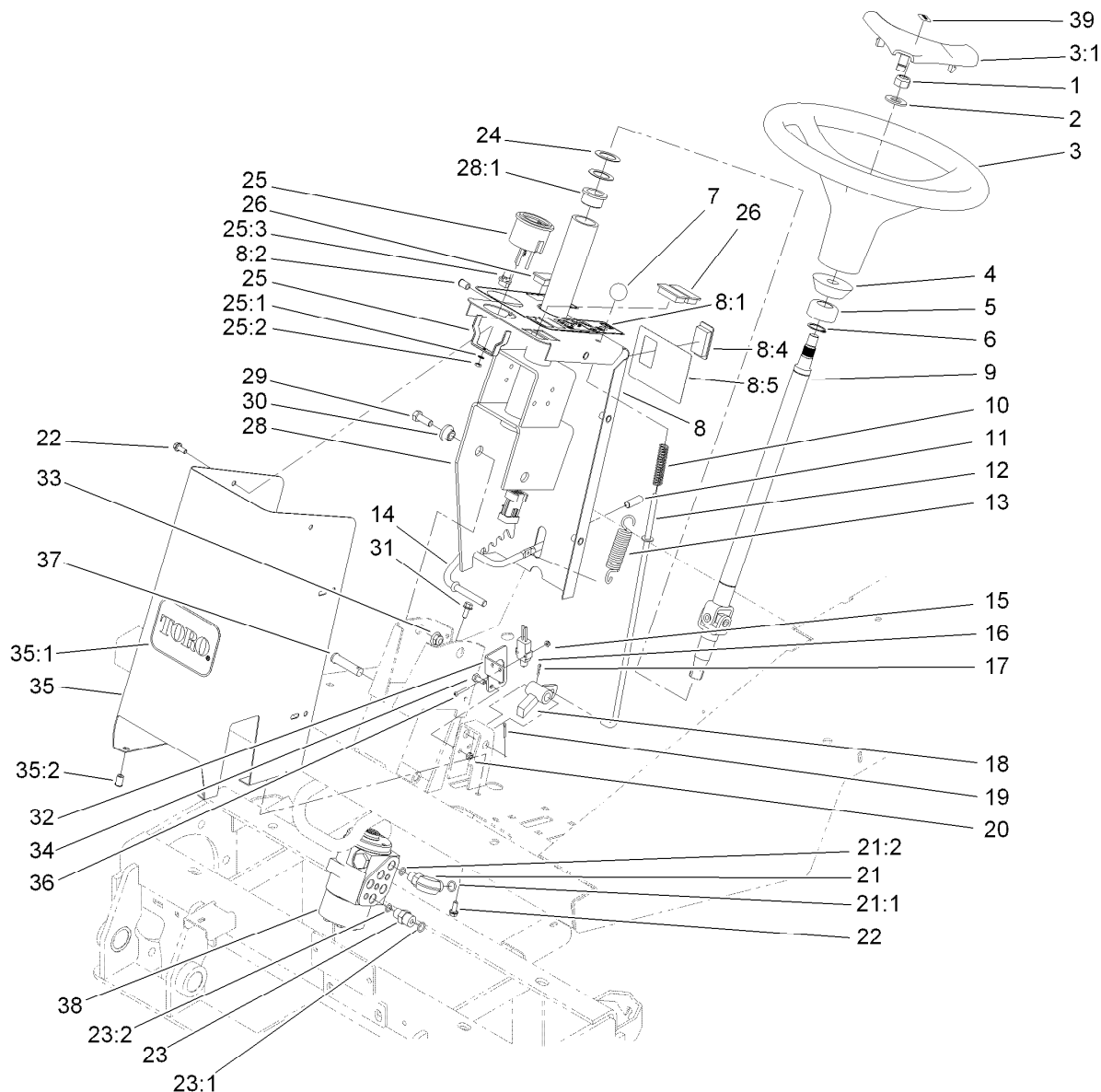
Ref.	Part Number	Qty.	Description
17	322-12	1	Screw-HH
18	3256-23	4	Washer-Plain
19	106-2034-01	1	Arm-Latch
20	92-2327	1	Spacer-Hose
21	92-6682	1	Spring-Extension
22	2412-4	1	Clamp-R
23	3296-6	1	Nut-Lock
24	106-2031-01	1	Support-Pivot
25	71-3340	1	Bolt-Wheel
26	100-5500-03	1	Support
27	340-70	4	Nut-Lock
28	69-8940	8	Washer
29	69-8970	4	Spacer
30	240-4	4	Grommet-Rubber
31	104-8301	2	Nut-HF, NI
32	32144-67	2	Screw
33	100-3149-03	1	Bracket-Bulkhead
34	3272-5	2	Pin-Cotter
36	117-2718	1	Decal-Arrester, Spark
37	2412-72	1	Clip-Closed, Insulated
38	32104-95	1	Screw-HWH



Platform Assembly (continued)

Ref.	Part Number	Qty.	Description
39	3234-42	2	Screw-HHF
40	93-5338	1	Rod-Prop
45	340-115	1	Fitting-Tee
45:1	237-22	2	O-Ring
46	340-159	1	Elbow-90

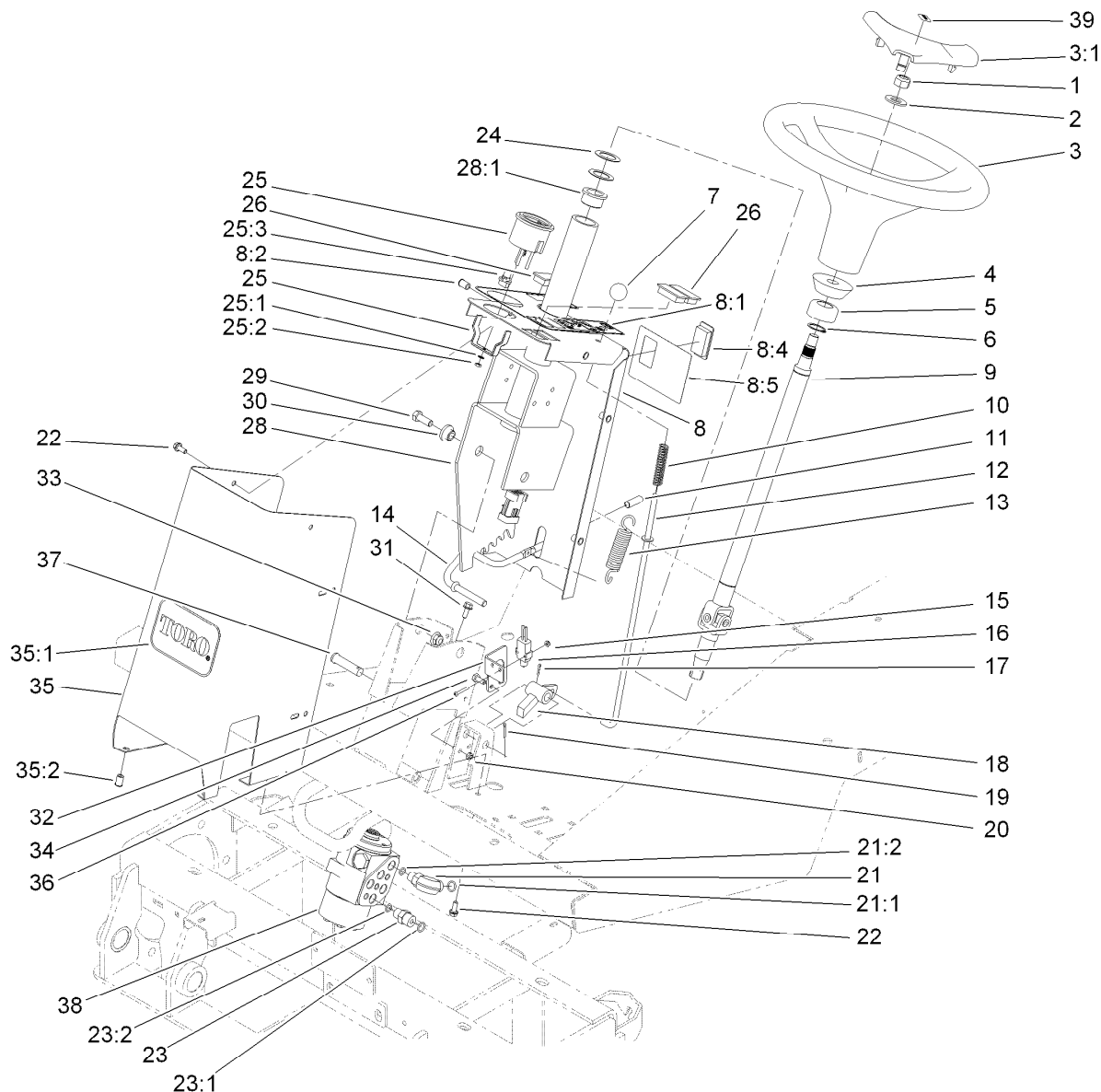
Ref.	Part Number	Qty.	Description
46:1	237-22	2	O-Ring
47	340-68	2	Fitting-Tee, Bulkhead
47:1	237-22	3	O-Ring
48	340-70	2	Nut-Lock
49	3256-82	1	Washer-Flat



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	117-5705	1	Tower Cover ASM
8:1	119-0067	1	Decal-Steering Tower
8:2	32148-6	6	Nut-Clinch
8:4	99-7420	1	Plug-Hole
8:5	119-8322	1	Decal-Accessory
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

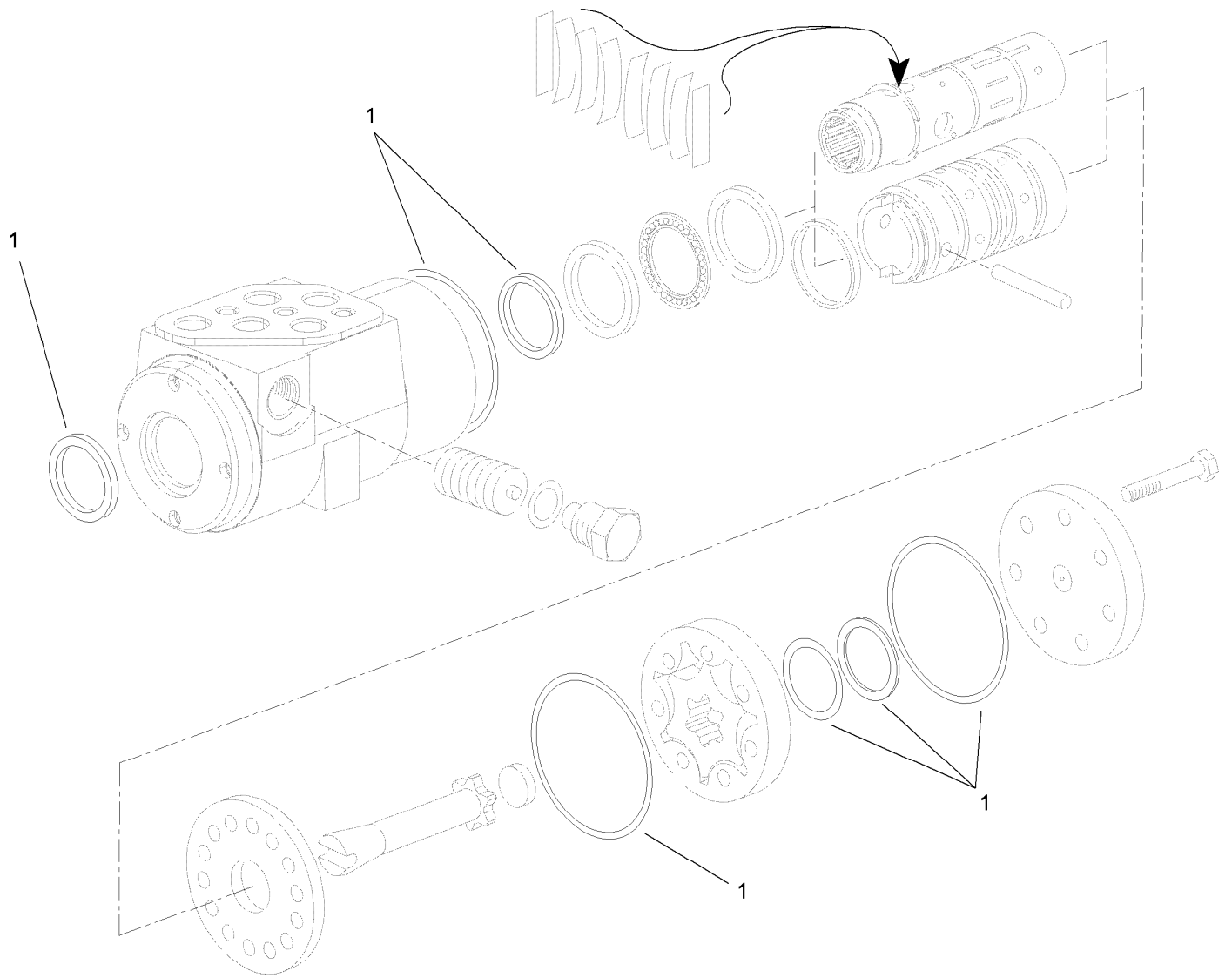
Ref.	Part Number	Qty.	Description
17	3272-5	1	Pin-Cotter
18	114-2718	1	Pawl-Brake
19	3272-6	1	Pin-Cotter
20	3296-42	2	Nut-Lock, NI
21	340-77	1	Fitting-Elbow, 90 DEG
21:1	237-22	1	O-Ring
21:2	237-42	1	O-Ring
22	3234-4	10	Screw-HHF
23	340-2	4	Fitting-Straight
23:1	237-22	1	O-Ring
23:2	237-42	1	O-Ring
24	9547	4	Washer-Thrust
25	98-9339	1	Gauge-Fuel
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	99-7420	3	Plug-Hole
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



Steering Tower Assembly (continued)

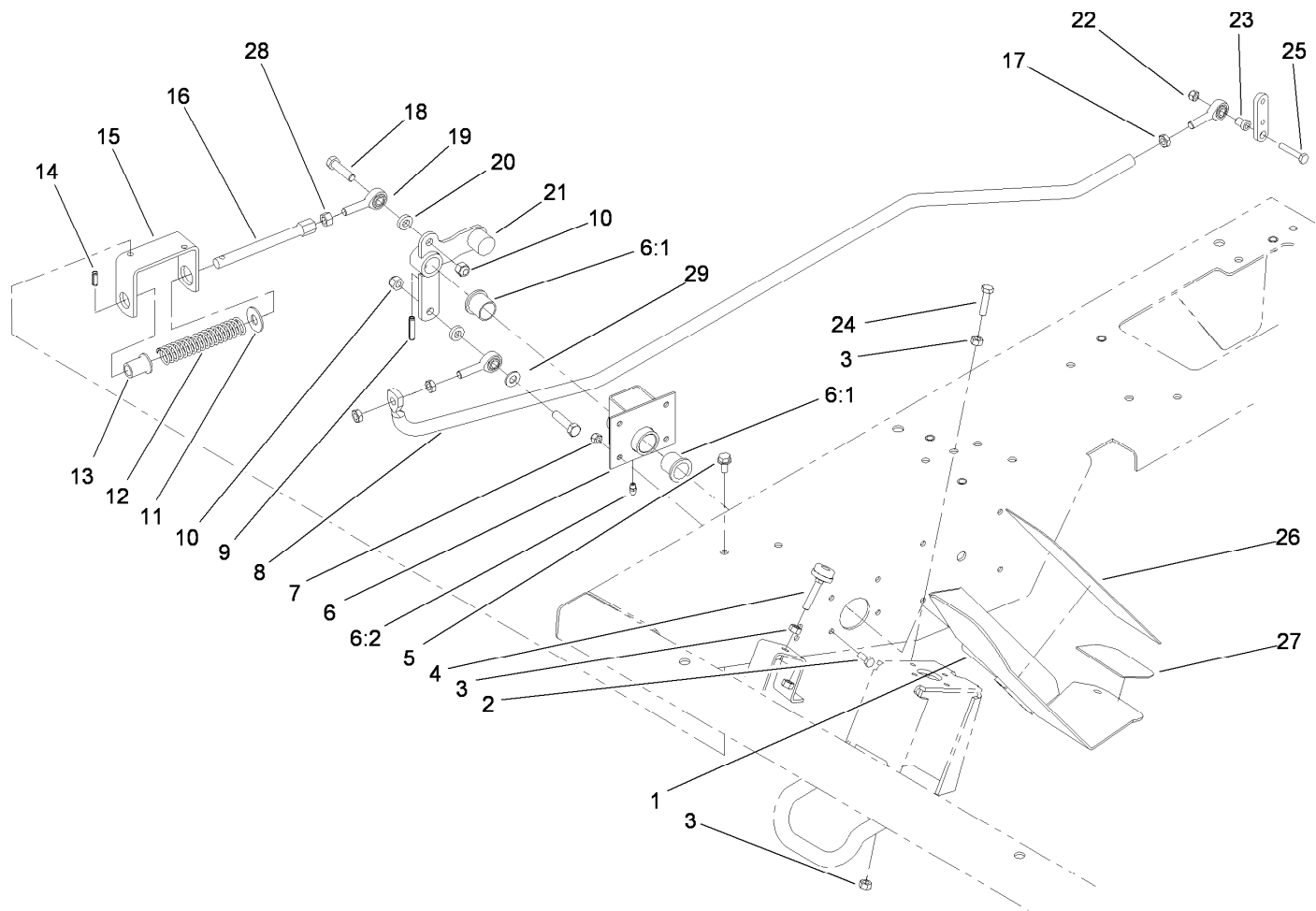
Ref.	Part Number	Qty.	Description
31	33103-016	4	Screw-HHF
32	104-0128	1	Bracket-Switch
33	104-8301	2	Nut-HF, NI
34	321-3	2	Screw-HH
35	100-3038	1	Steering Tower ASM
35:1	67-1300	1	Decal

Ref.	Part Number	Qty.	Description
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



Steering Valve Assembly No. 114-5074

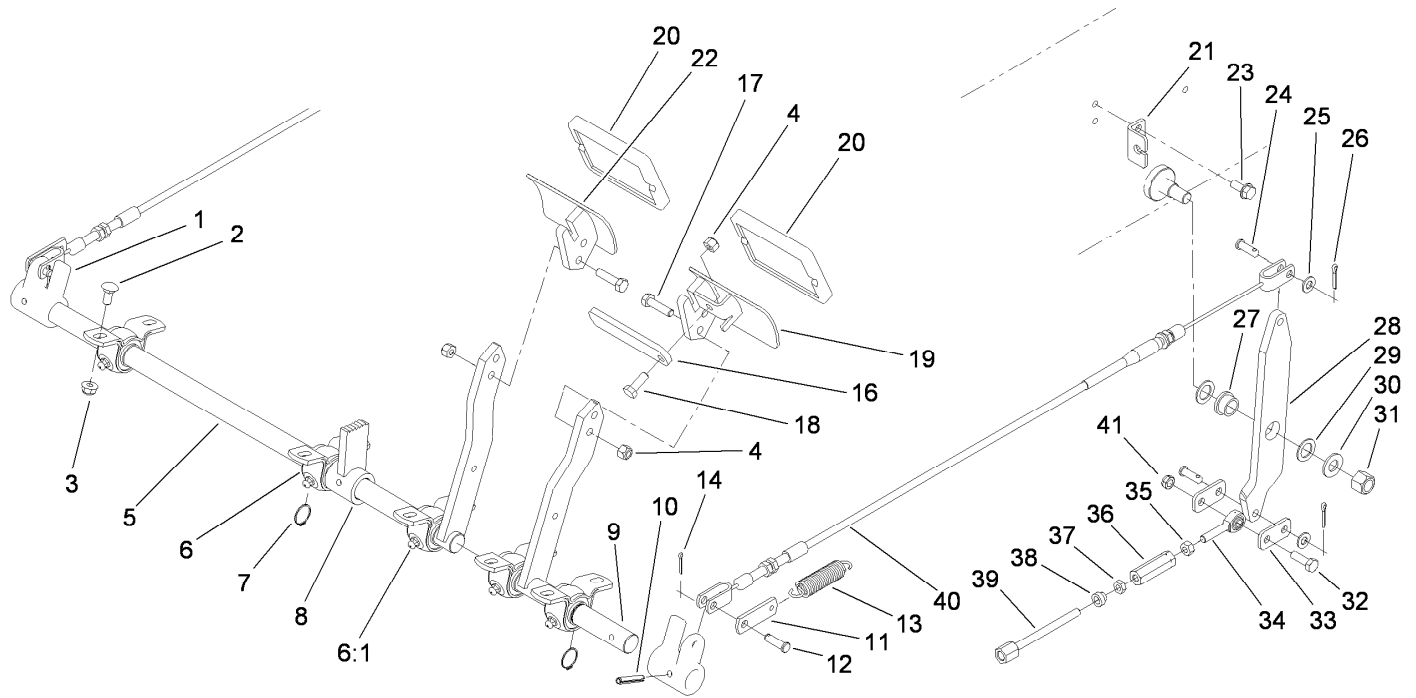
Ref.	Part Number	Qty.	Description
1	108-1519	1	Seal Kit



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	117-5668-03	1	Rod-Traction
9	32121-9	1	Pin-Roll, Slotted
10	3296-39	2	Nut-Lock, NI
11	3256-5	1	Washer-Flat
12	84-9100	1	Spring
13	92-7610	1	Retainer-Spring
14	32121-11	1	Pin-Roll

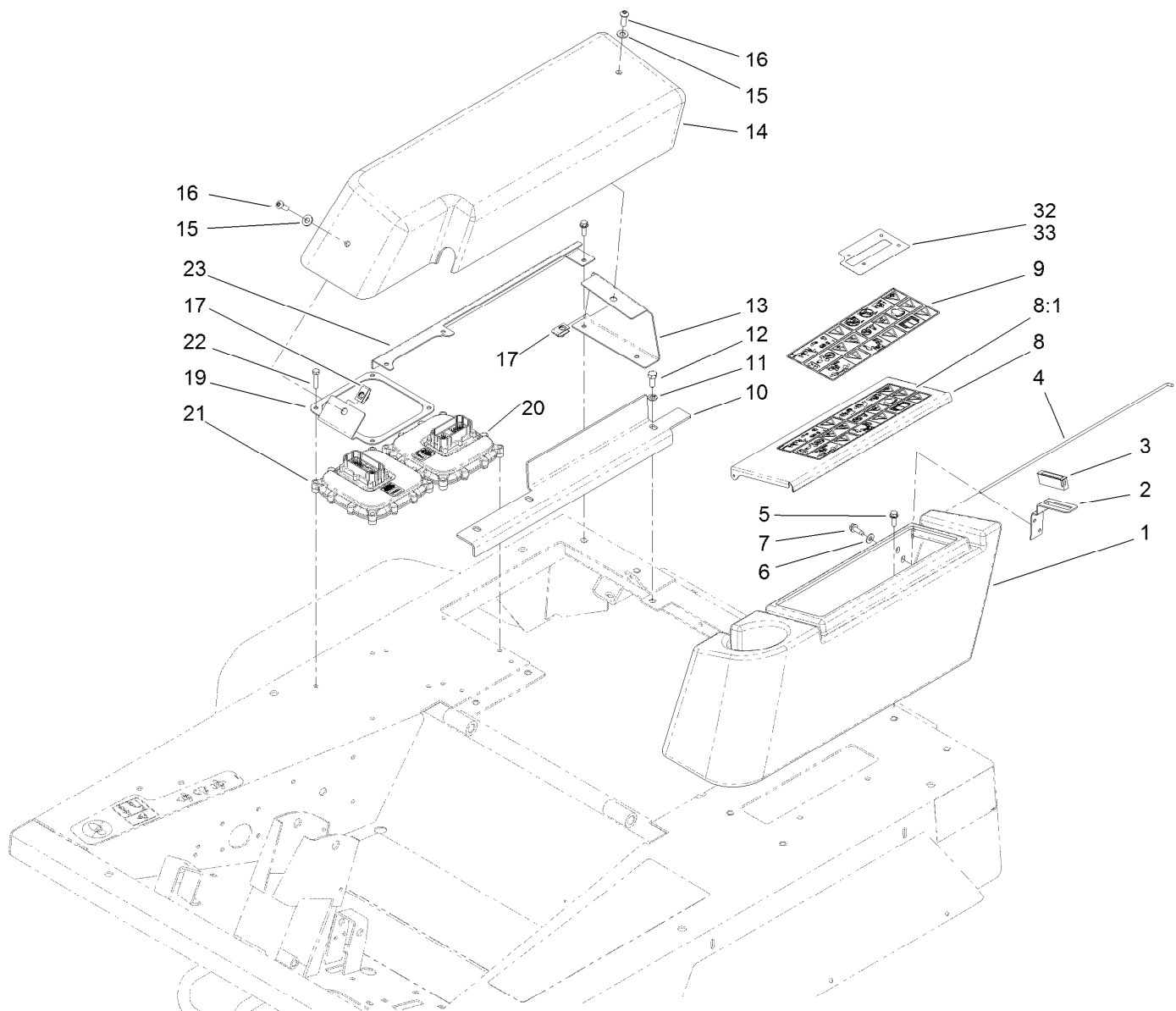
Ref.	Part Number	Qty.	Description
15	100-3137-03	1	Bracket-Spring
16	92-7609	1	Shaft-Spring
17	3220-3	3	Nut-HJ
18	323-9	2	Screw-HH
19	2411-36	3	Bearing-End, Rod
20	80-7730	2	Spacer
21	114-2715	1	Lever-Traction
22	3296-42	1	Nut-Lock, NI
23	104-7517	1	Spacer
24	322-6	1	Screw-HH
25	321-9	1	Screw-HH
26	93-5347	1	Abrasive-Pedal
27	93-5368	1	Abrasive-Pedal
28	3219-3	1	Nut-Hex
29	3256-24	1	Washer-Flat



Brake Pedal and Linkage Assembly

Ref.	Part Number	Qty.	Description
1	114-2714	2	Lever-Brake
2	3230-1	10	Bolt-CARR
3	104-8300	10	Nut-HF, NI
4	3296-29	5	Nut-Lock, NI
5	100-3000-03	1	RH Brake Arm ASM
6	93-4849	5	Bearing-Block, Pillow
6:1	302-5	1	Fitting-Grease
7	32151-83	3	Ring-Snap
8	93-5475-03	1	Brake Latch ASM
9	100-2997-03	1	LH Brake Arm ASM
10	32121-15	3	Pin-Roll
11	100-5540	2	Strap-Brake
12	283-61	2	Pin-Yoke
13	93-5262	2	Spring-Extension
14	3272-6	2	Pin-Cotter
16	93-5568	1	Arm-Lock
17	322-6	4	Screw-HH
18	322-4	1	Screw-HH
19	105-4553-03	1	LH Pedal ASM
20	93-8743	2	Footpad-Turn
21	119-0109	2	Bracket-Cable

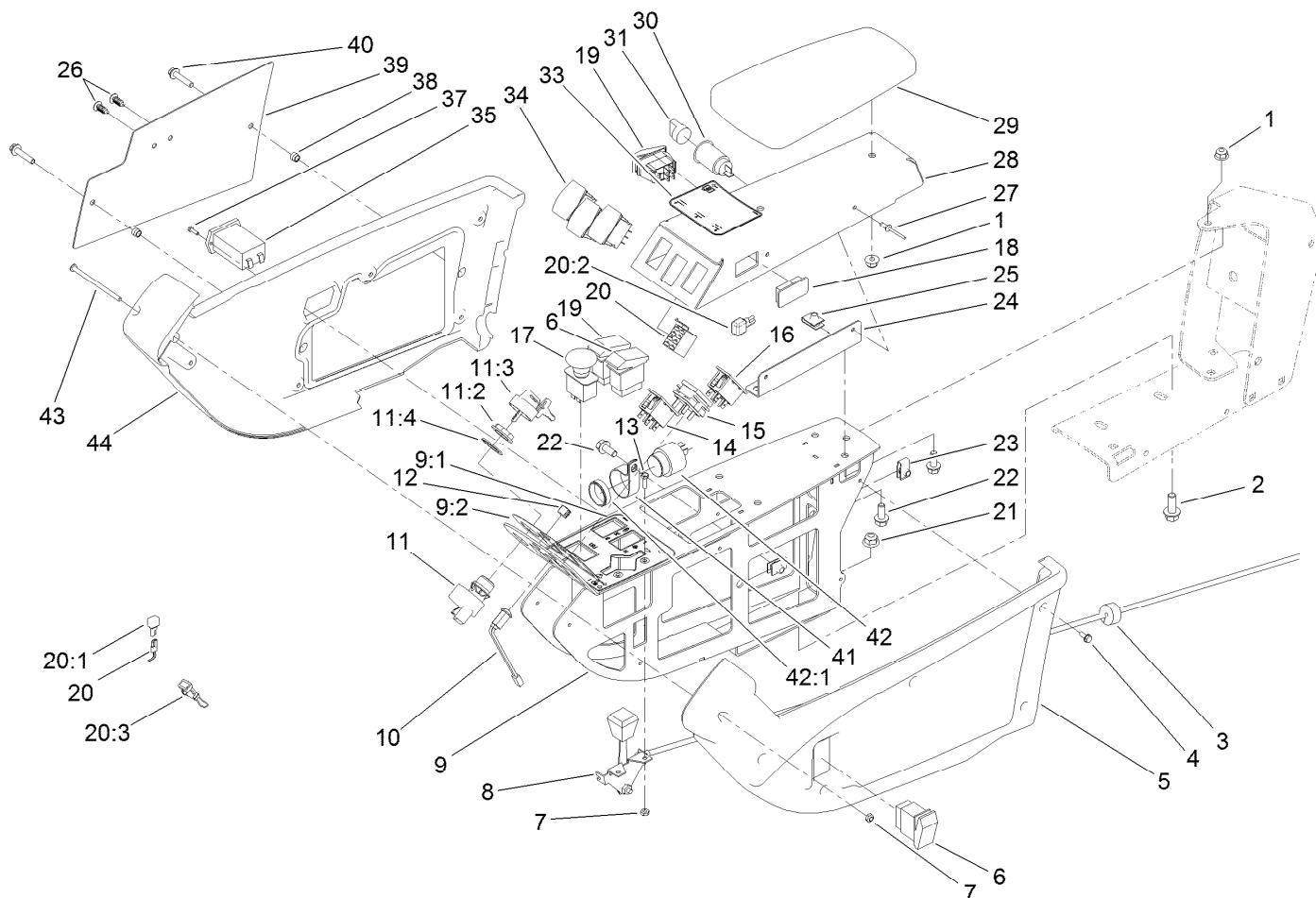
Ref.	Part Number	Qty.	Description
22	105-4554-03	1	RH Pedal ASM
23	32144-11	4	Screw-HWH
24	283-58	4	Pin-Clevis
25	3256-23	4	Washer-Plain
26	3272-10	4	Pin-Cotter
27	105-3455	2	Bushing
28	119-0105-03	2	Lever-Brake
29	105-3481	4	Washer-Thrust
30	3256-26	2	Washer-Flat
31	3296-23	2	Nut-Lock, NI
32	322-5	2	Screw-HH
33	119-0110	4	Link-Brake
34	2411-53	2	Bearing-Rod End, LH
35	3220-20	2	Nut-Jam
36	119-0112	2	Hex-Link
37	3220-2	2	Nut-Jam
38	110-2158	2	Spacer-Flanged
39	119-0106	2	Hex-Link
40	119-0113	2	Cable-Brake
41	3296-47	2	Nut-Lock,NI



Controller and Tool Box Assembly

Ref.	Part Number	Qty.	Description
1	104-7515	1	Housing-Box, Tool
2	104-7545	1	Bracket-Latch
3	58-4250	1	Catch-Magnetic
4	104-7548	1	Rod-Hinge
5	3234-4	6	Screw-HHF
6	3256-22	2	Washer-Flat
7	32104-95	2	Screw-HWH
8	104-8321	1	Tool Box Cover ASM
8:1	117-2766	1	Decal-Warning, CE
8:1	117-2754	1	Decal-Warning
9	117-2766	1	Decal-Warning, CE
10	117-5724-01	1	Bracket-Support
11	3253-4	3	Washer-Lock
12	322-3	3	Screw-HH

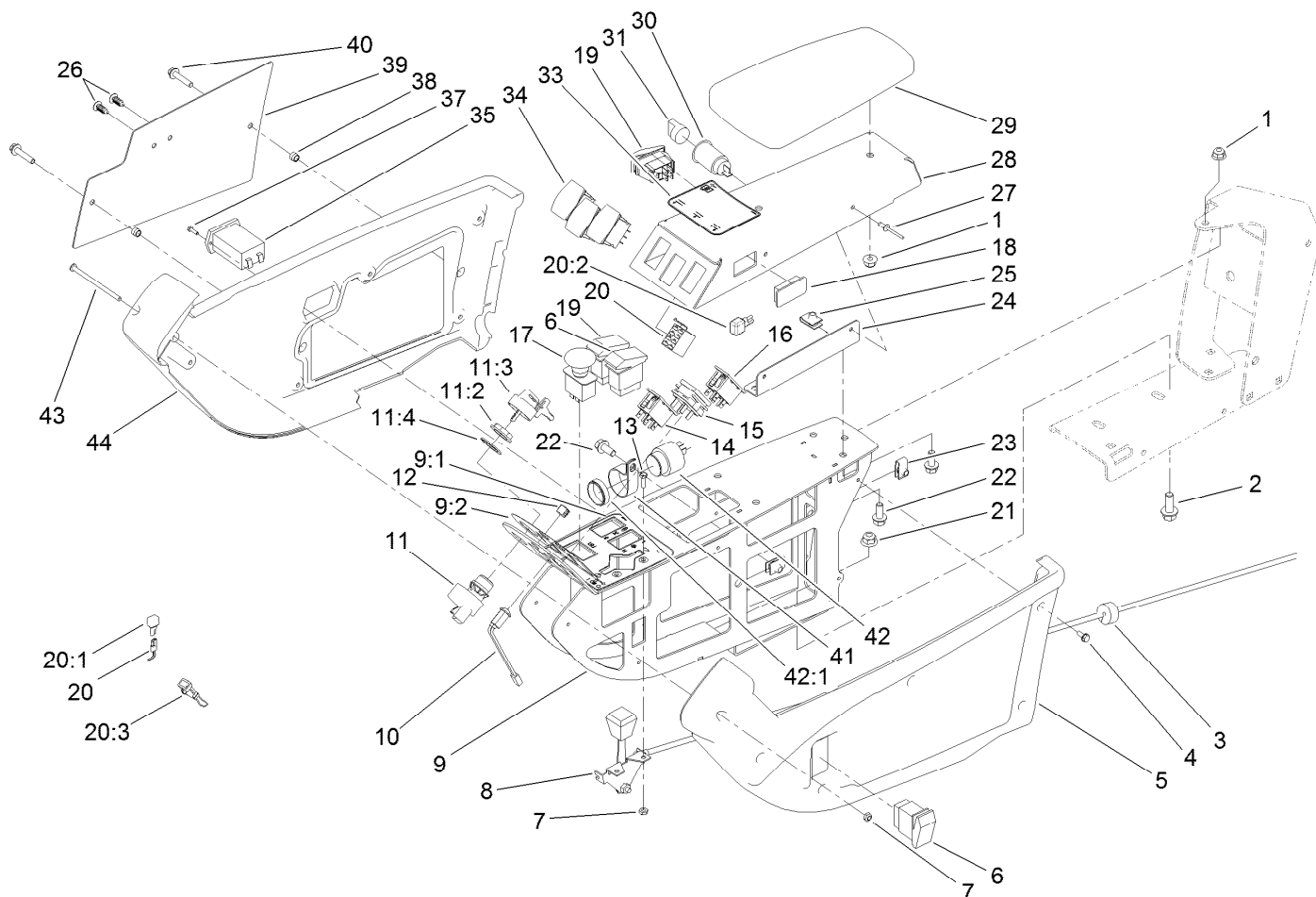
Ref.	Part Number	Qty.	Description
13	119-0074-03	1	Mount-Cover, Rear
14	119-0071	1	Cover-Controllers
15	3256-70	2	Washer-Flat
16	3274-32	2	Screw-HSBH
17	94-2413	2	Nut-U
19	119-0073-03	1	Mount-Cover, Front
20	115-1900	1	Controller
21	114-3321	1	Controller-Tec
22	321-8	8	Screw-HH
23	119-0136-03	1	Mount-Cover, Right
32	119-5303	1	Decal-Diagnostic Controller, Master
33	119-5304	1	Decal-Diagnostic Controller, Slave



Control Console Assembly

Ref.	Part Number	Qty.	Description
1	104-8300	3	Nut-HF, NI
2	3234-42	2	Screw-HHF
3	110-8911	1	Seal-Foam
4	32144-112	10	Screw-HWH
5	108-7604	1	Cover-LH
6	95-8999	1	Switch
7	3296-12	3	Nut-Lock, NI
8	119-0084	1	Control-Throttle
9	117-5737	1	Control Panel ASM
9:1	117-5723	1	Decal-Console, Lower
9:2	117-2385	1	Decal-Console, Upper
10	95-7652	1	Light-Indicator
11	106-5269	1	Ignition Switch ASM
11:2	108-8660	1	Nut-Mounting
11:3	106-5270	1	Ignition Key Set
11:4	108-8659	1	Washer-Backup
12	2410-64	1	Plug-Button
13	3290-134	2	Screw
14	100-8070	1	Lamp-Warning
15	110-0941	1	Gauge-Temperature
16	100-8071	1	Lamp-Warning

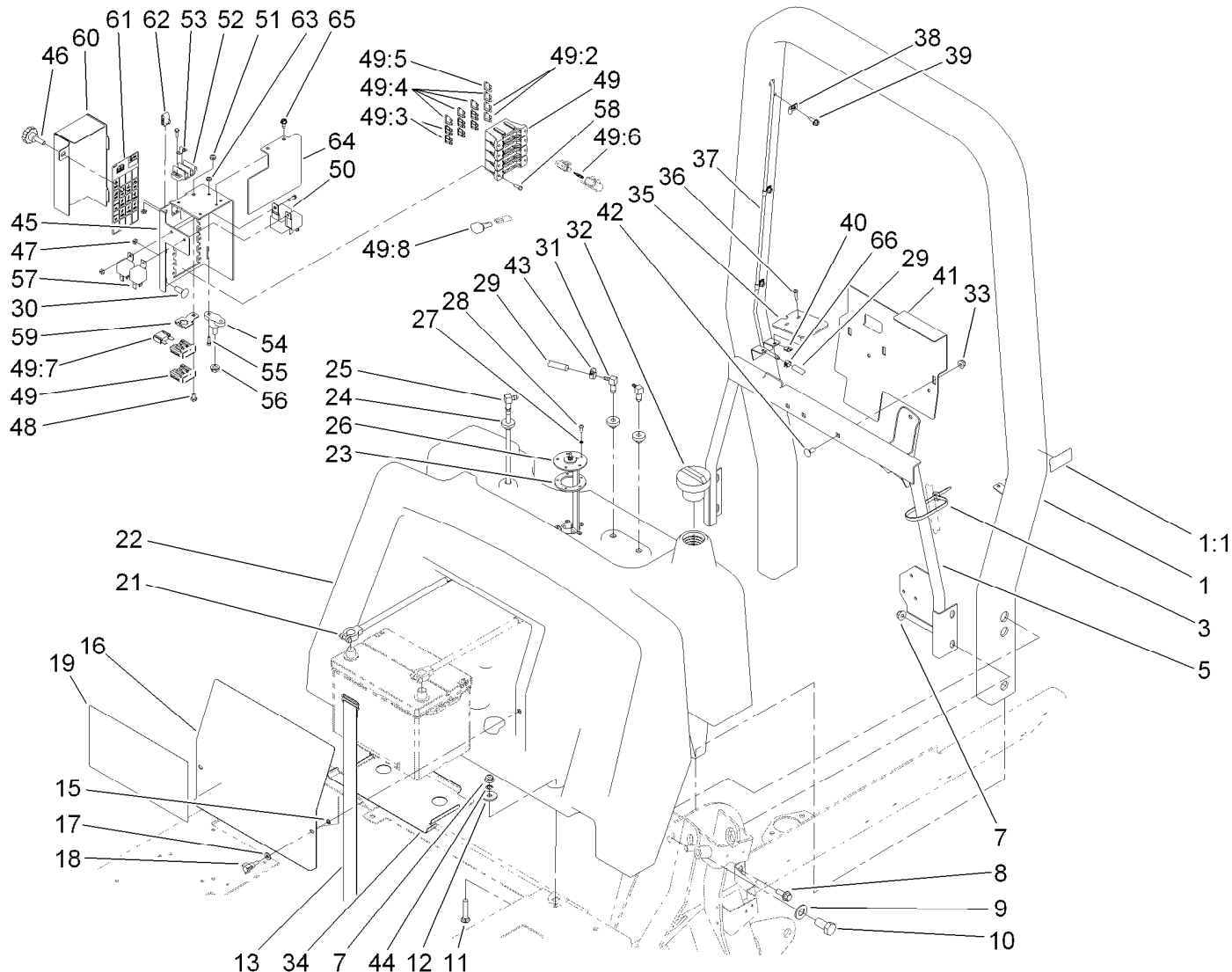
Ref.	Part Number	Qty.	Description
17	93-9999	1	Switch-PTO
18	99-7420	2	Plug-Hole
19	106-2027	2	Switch-Intermittent
20	119-7770	1	Harness-Wire, Platform
20:1	104-4022	1	Resistor-75 Ohm
20:2	32180-043	2	Resistor-120 Ohm
20:3	119-7778	1	Harness-Wire, Machine Selector
21	104-8301	2	Nut-HF, NI
22	3234-5	6	Screw-HHF
23	107069	2	Clip
24	112-7404	1	Angle-Mounting
25	94-2413	5	Nut-U
26	114-4899	2	Rivet-Push
27	3290-409	2	Rivet
28	117-2380-03	1	Panel-Switches, Control Arm
29	108-7602	1	Rest-Arm
30	99-7411	1	Point-Power
31	99-7416	1	Cap
33	117-2387	1	Decal-Lift



Control Console Assembly (continued)

Ref.	Part Number	Qty.	Description
34	100-1535	3	Switch-Rocker, (On)-Off-(On)
35	75-6820	1	Hourmeter
37	32144-18	2	Screw-HWH
38	110-0542	2	Spacer-Flange
39	115-8849-03	1	Plate-Cover

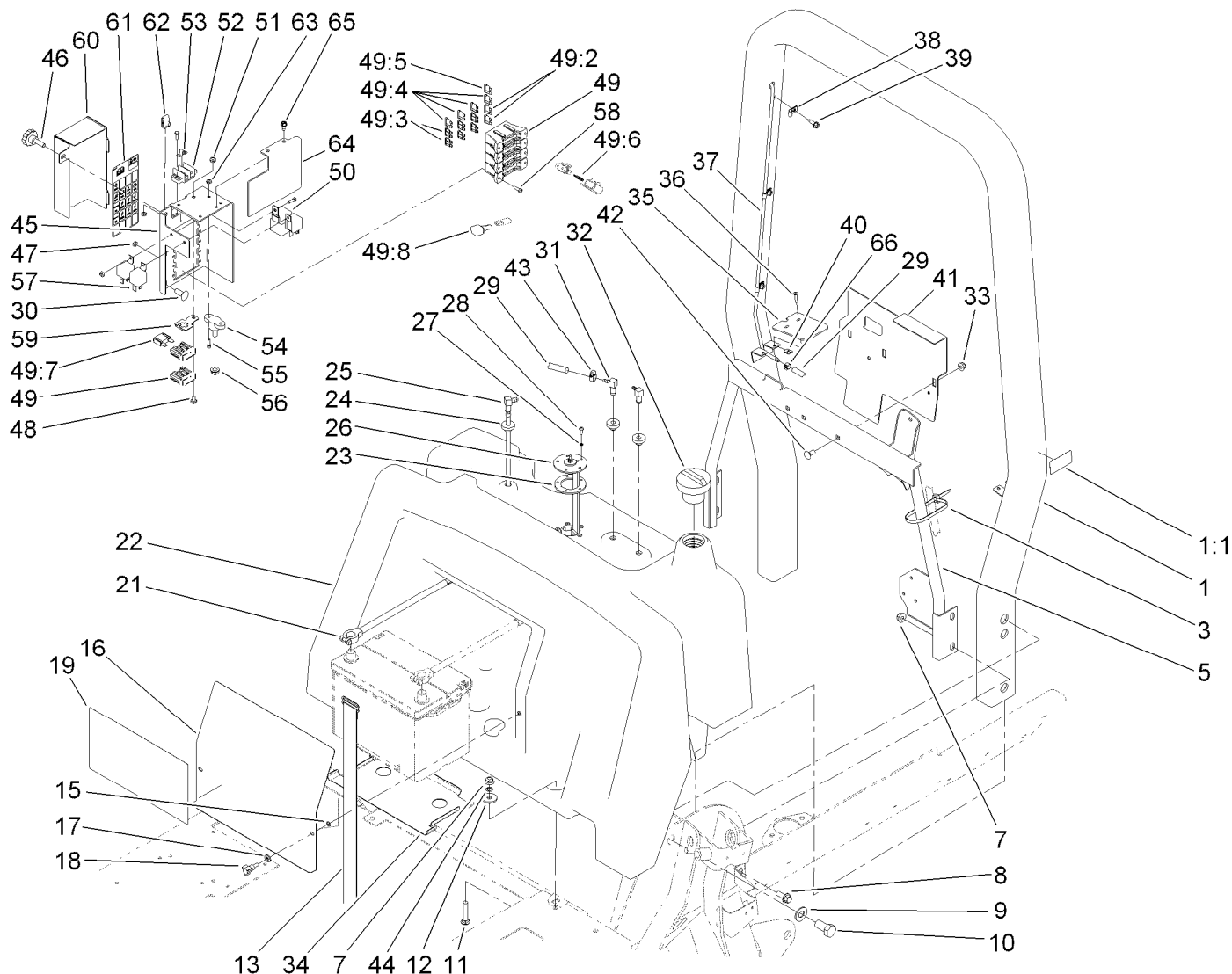
Ref.	Part Number	Qty.	Description
40	3234-21	2	Screw-HHF
41	2412-74	1	R-Clamp
42	80-9330	1	Audio Alarm ASM
42:1	104-5107	1	Nut-Plastic, Knurled
43	3250-22	1	Screw-PPH
44	108-7605	1	Cover-RH



Fuel Tank, Battery and Roll-Over Protection System Assembly

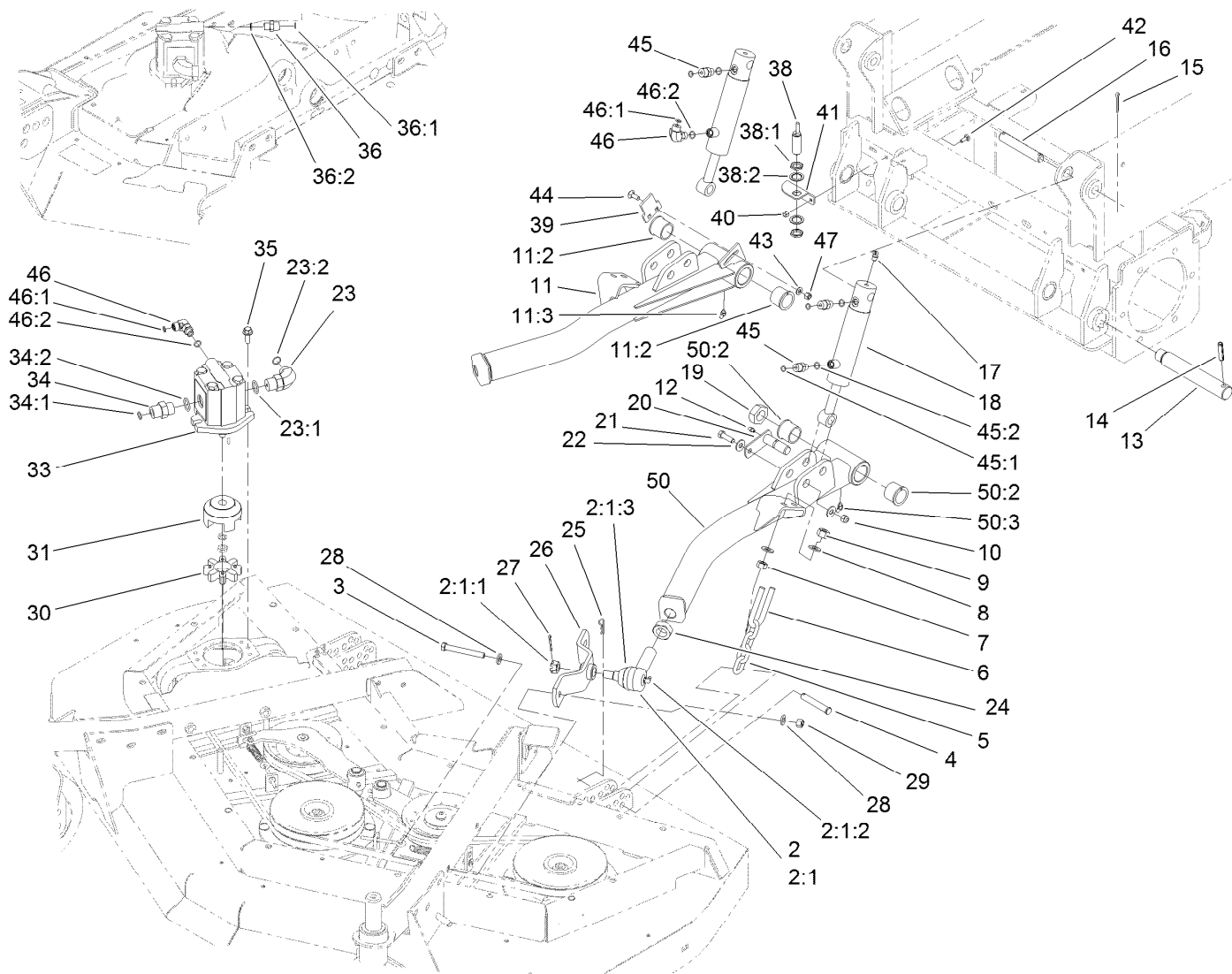
Ref.	Part Number	Qty.	Description
1	105-2849	1	ROPS ASM
1:1	105-2834	1	Decal-ROPS
3	3290-378	1	Tie-Cable
5	117-5694-03	1	Support-Tank
7	104-8301	6	Nut-HF, NI
8	3234-42	2	Screw-HHF
9	3256-27	4	Washer-Flat
10	327-3	4	Screw-HH
11	3231-6	2	Screw-CARR
12	63-8410	2	Washer
13	94-1445	1	Strap-Battery
15	32151-106	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
21	117-4746	1	Cable-Battery, Positive
22	115-3788	1	Tank-Fuel
23	62-7650	1	Gasket

Ref.	Part Number	Qty.	Description
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
30	3231-22	2	Screw-CARR
31	104-5228	2	Fitting-Elbow, 90 DEG
32	115-5305	1	Cap-Fuel
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	107-1013	4	Nut-Speed
41	119-0069-03	1	Bracket-Fuel Tank
42	3230-1	2	Bolt-CARR



Fuel Tank, Battery and Roll-Over Protection System Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
43	2412-108	2	Clamp-Worm	52	42862	1	Block-Terminal, Ground
44	32151-72	4	Ring-Retaining	53	42863	1	Strip-Jumper
45	117-5695-03	1	Mount-Power	54	110-8822	1	Block-Junction
46	99-6137	1	Knob-Control, Chute	55	3273-26	2	Screw-HSH
47	3296-12	8	Nut-Lock, NI	56	3290-357	1	Nut-HSF
48	321-2	1	Screw-HH	57	99-7435	3	Relay
49	117-5715	1	Harness-Wire, Rear	58	3290-134	8	Screw
49:2	94-6710	2	Fuse-2 Amp	59	114-5502	1	Clip-Fuse
49:3	114241	6	Fuse-Blade, 7.5 Amp	60	119-0072-03	1	Cover-Fuses
49:4	218-578	5	Fuse-Blade, 10 Amp	61	119-0075	1	Decal-Fuses
49:5	109101	1	Fuse-Blade, 20 Amp	62	94-2413	1	Nut-U
49:6	99-6124	1	Fuse-40 Amp	63	3296-27	2	Nut-Lock, NI
49:7	114-3342	1	Fuse-Maxi, 60 Amp	64	117-5748-03	1	Shield-Heat
49:8	100-4918	1	Diode	65	32104-17	1	Screw-HWH
50	99-7430	1	Relay-Mini	66	2412-146	1	Clamp-Hose
51	3296-56	1	Nut-Lock, NI				

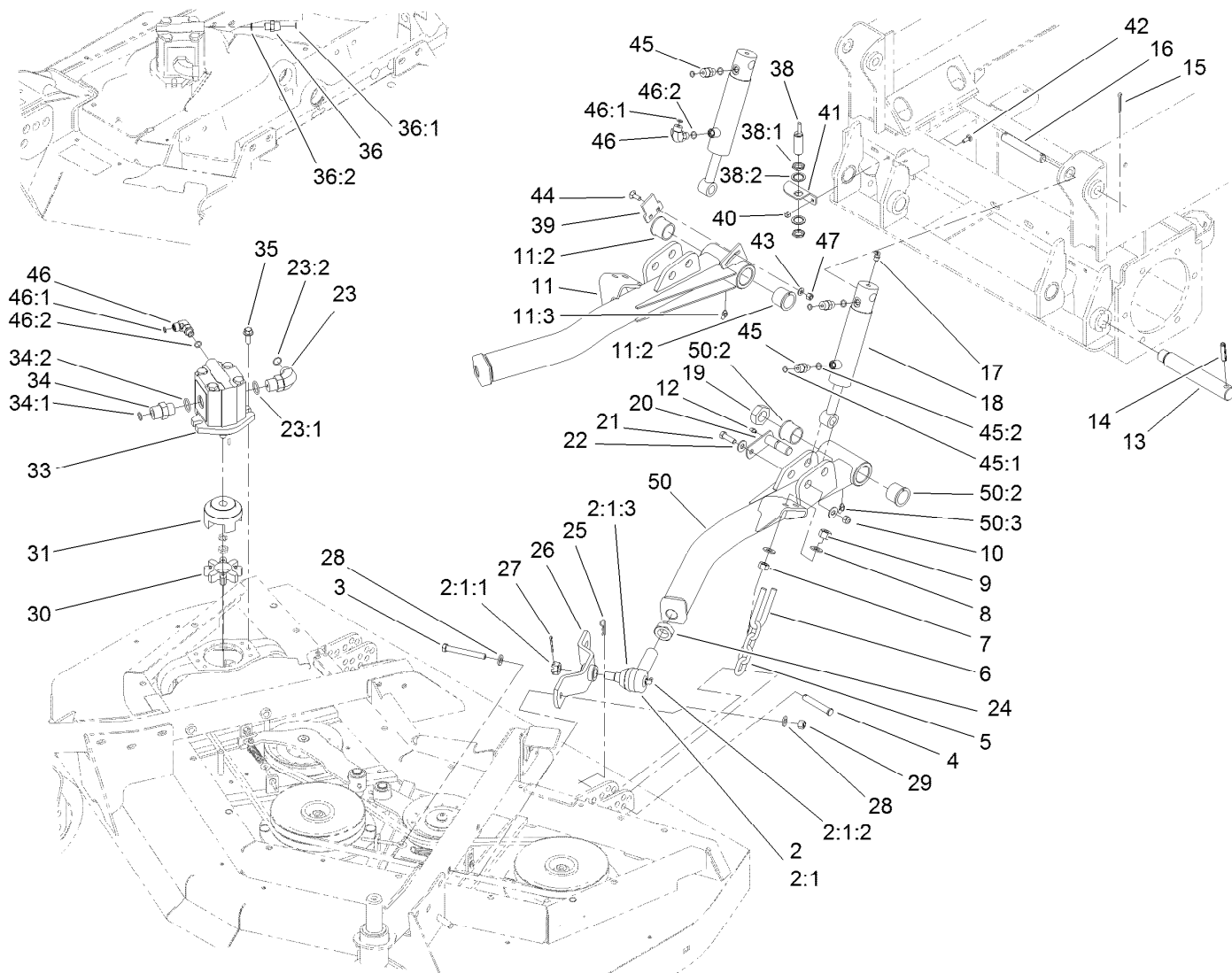


Front Deck Lift Arm and Cylinder Assembly

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	114-2874	1	Seal-Ball Joint
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	*obs Pin-Lift Arm

Ref.	Part Number	Qty.	Description
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
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	2	Nut-Jam
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-Hex

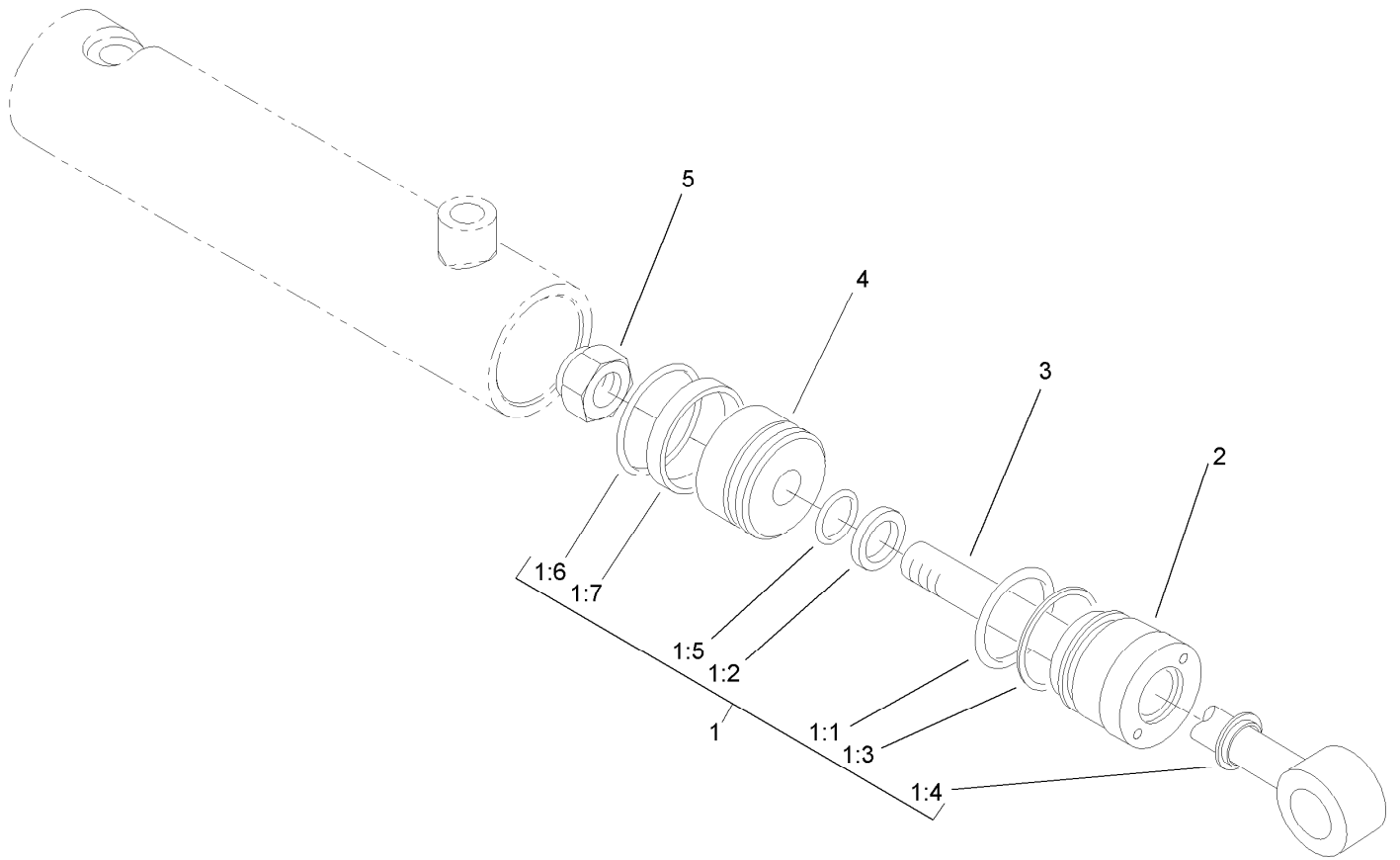
● Not serviced separately



Front Deck Lift Arm and Cylinder Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
30	104-3542	3	Spider	41	119-5311	1	Mount-Switch, Front
31	104-3541	3	Hub-Spider	42	3229-1	2	Screw-CARR
33	99-5489	3	Gear Motor ASM	43	3256-23	2	Washer-Plain
34	340-8	1	Fitting-Straight	44	3230-16	2	Screw-CARR
34:1	237-65	1	O-Ring	45	340-2	3	Fitting-Straight
34:2	237-81	1	O-Ring	45:1	237-22	1	O-Ring
35	3234-42	6	Screw-HHF	45:2	237-42	1	O-Ring
36	340-2	2	Fitting-Straight	46	340-77	2	Fitting-Elbow, 90 DEG
36:1	237-22	1	O-Ring	46:1	237-22	1	O-Ring
36:2	237-42	1	O-Ring	46:2	237-42	1	O-Ring
38	115-0282	1	Proximity Sensor ASM	47	3296-29	2	Nut-Lock, NI
38:1	117-3207	2	Nut-Hex	50	100-3032	1	LH Lift Arm ASM
38:2	117-3208	2	Washer-Lock, Internal Tooth	50:2	104-0015	2	Bushing-Flange
39	119-5312	1	Plate-Sensing, Front	50:3	302-11	1	Fitting-Lube, 45 DEG
40	3296-42	2	Nut-Lock, NI				

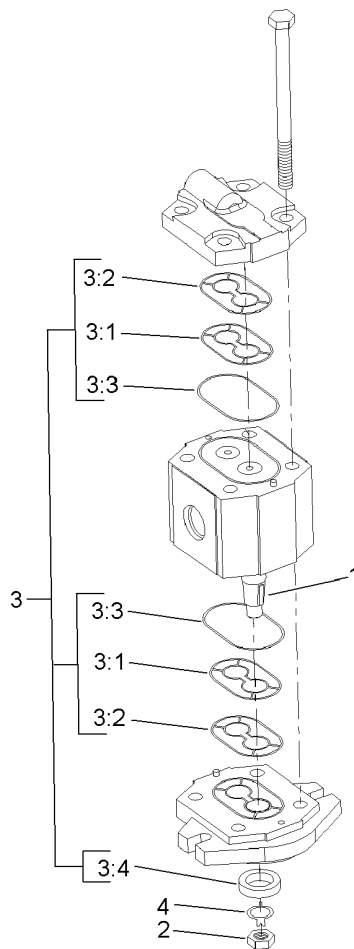
● Not serviced separately



Hydraulic Cylinder Assembly No. 107-4304

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

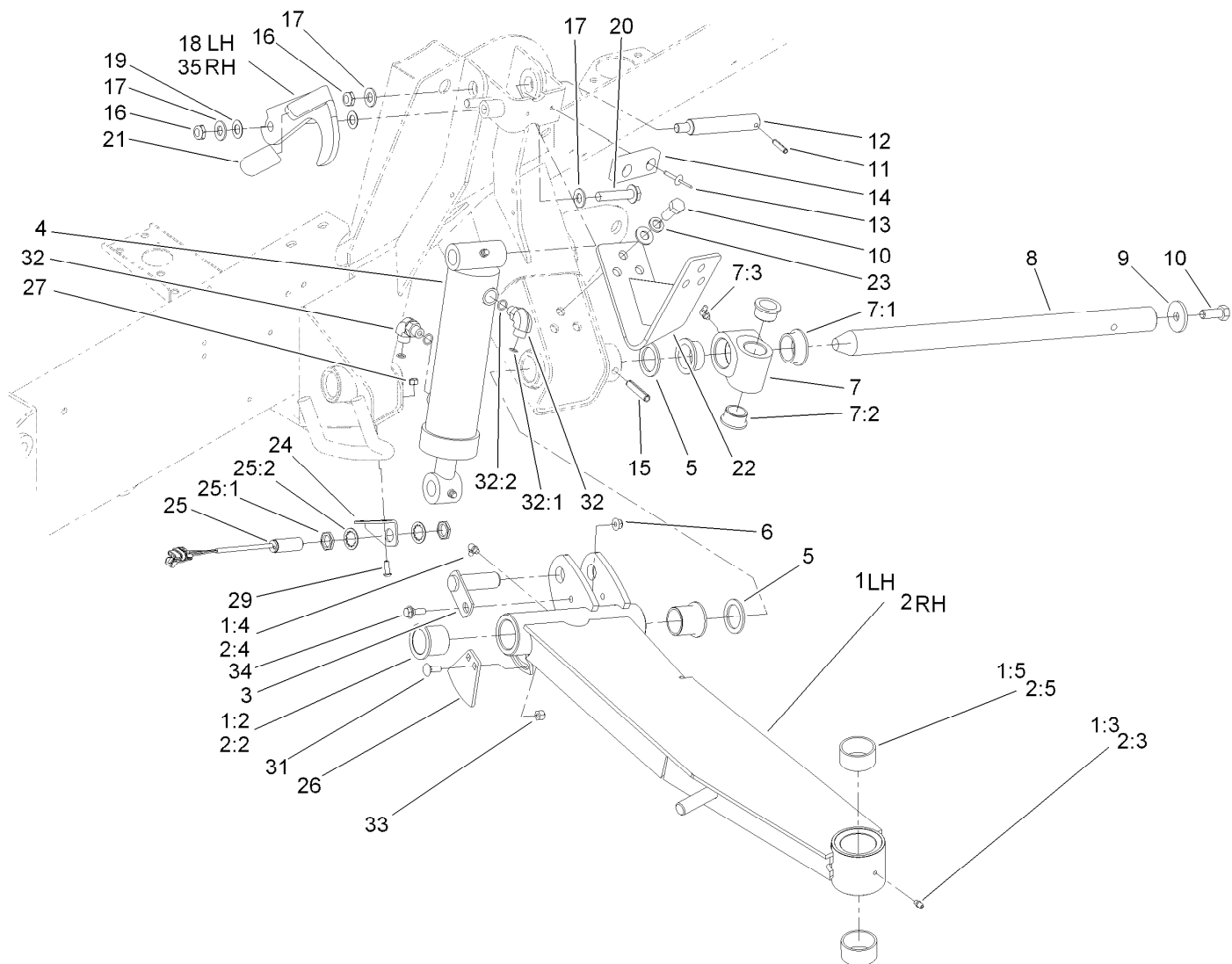
● Not serviced separately



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

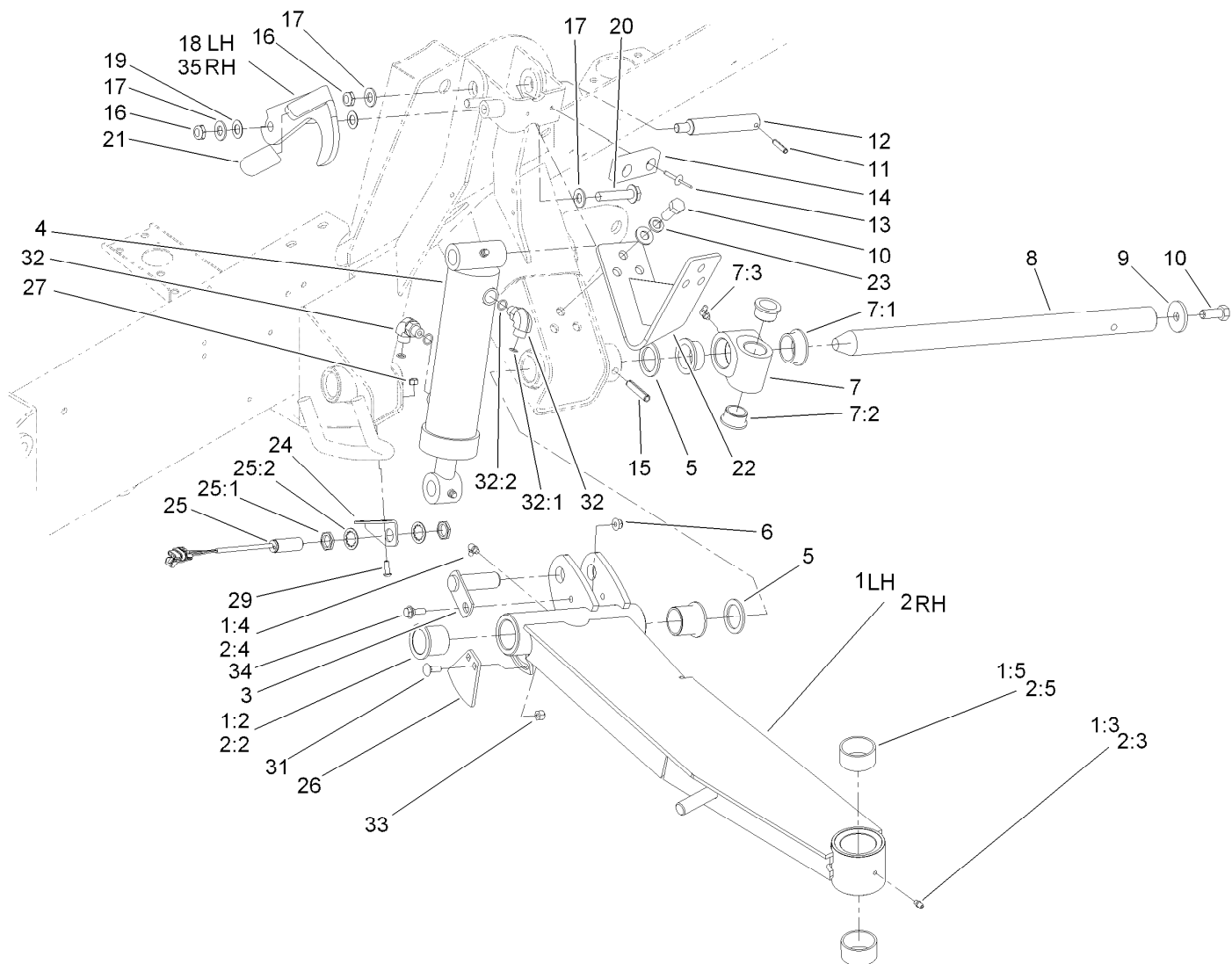
● Not serviced separately



Side Deck Lift Arm, Cylinder and Latch Assembly

Ref.	Part Number	Qty.	Description
1	119-0089	1	LH Lift Arm ASM
1:2	69-6470	2	Bushing-Caster
1:3	302-5	1	Fitting-Grease
1:4	302-60	1	Fitting-Grease
1:5	114-5596	2	Bushing-Straight
2	119-0087	1	RH Lift Arm ASM
2:2	69-6470	2	Bushing-Caster
2:3	302-5	1	Fitting-Grease
2:4	302-60	1	Fitting-Grease
2:5	114-5596	2	Bushing-Straight
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

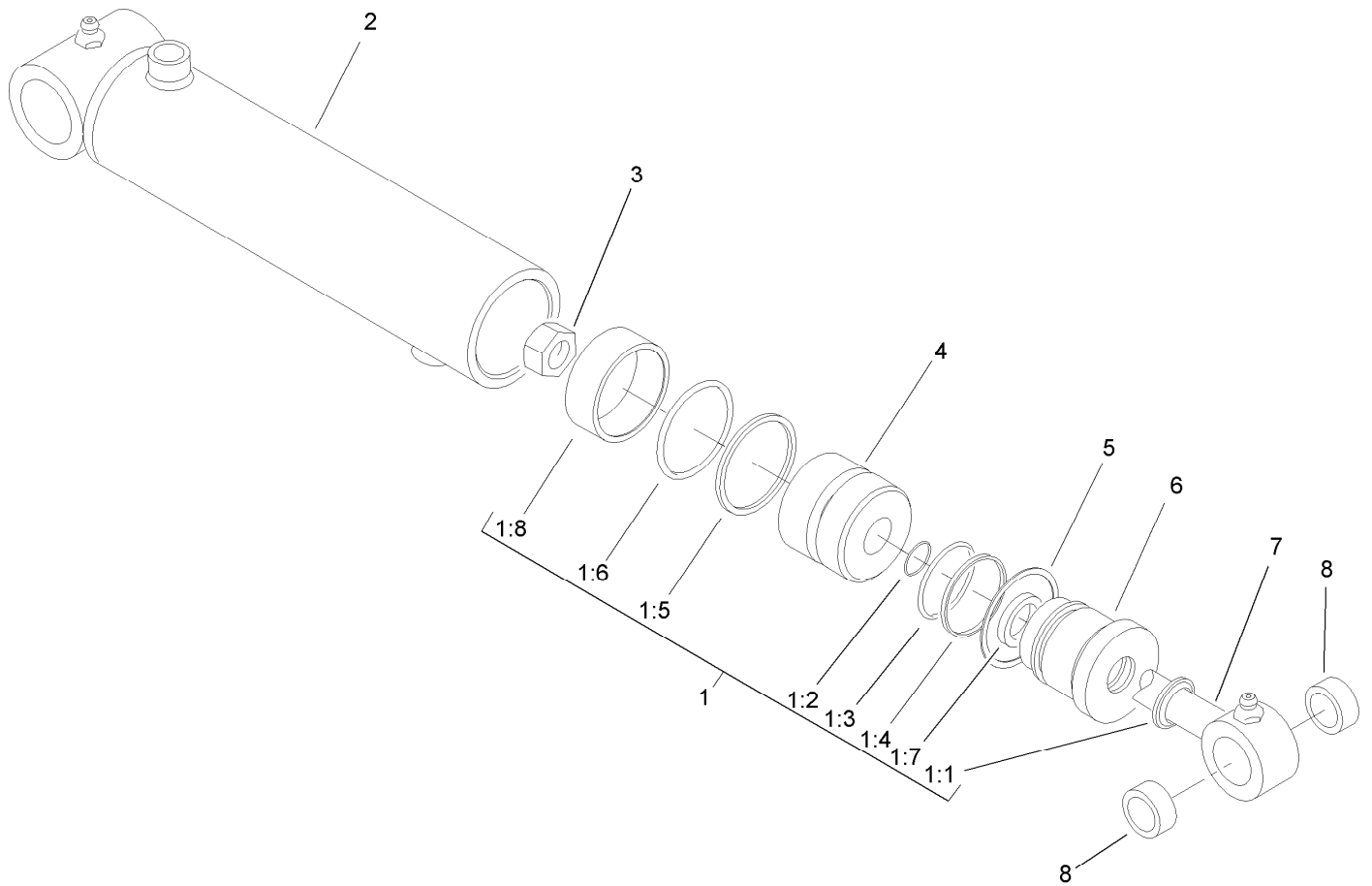
Ref.	Part Number	Qty.	Description
11	32121-9	2	Pin-Roll, Slotted
12	104-3537	2	Pin-Cylinder
13	3269-11	4	Rivet-Pop
14	86-5350	2	Bumper-Rubber
15	32121-110	2	Pin-Roll, Slotted
16	3296-45	4	Nut-Hex
17	3256-26	10	Washer-Flat
18	104-3557-03	1	Latch-LH
19	104-3577	4	Washer
20	3234-46	2	Screw-HHF
21	48-7081	2	Grip-Plastic
22	104-8330-03	2	Bracket-Cam
23	3253-7	6	Washer-Lock
24	119-0076	2	Mount-Switch, Wing
25	115-5300	2	Proximity Switch ASM
25:1	117-3207	2	Nut-Hex
25:2	117-3208	2	Washer-Lock, Internal Tooth
26	119-0077	2	Plate-Sensing, Wing
27	104-7201	4	Nut-HF, NI
29	3274-69	4	Screw-HSBH
31	3230-16	4	Screw-CARR



Side Deck Lift Arm, Cylinder and Latch Assembly (continued)

Ref.	Part Number	Qty.	Description
32	340-77	4	Fitting-Elbow, 90 DEG
32:1	237-22	1	O-Ring
32:2	237-42	1	O-Ring

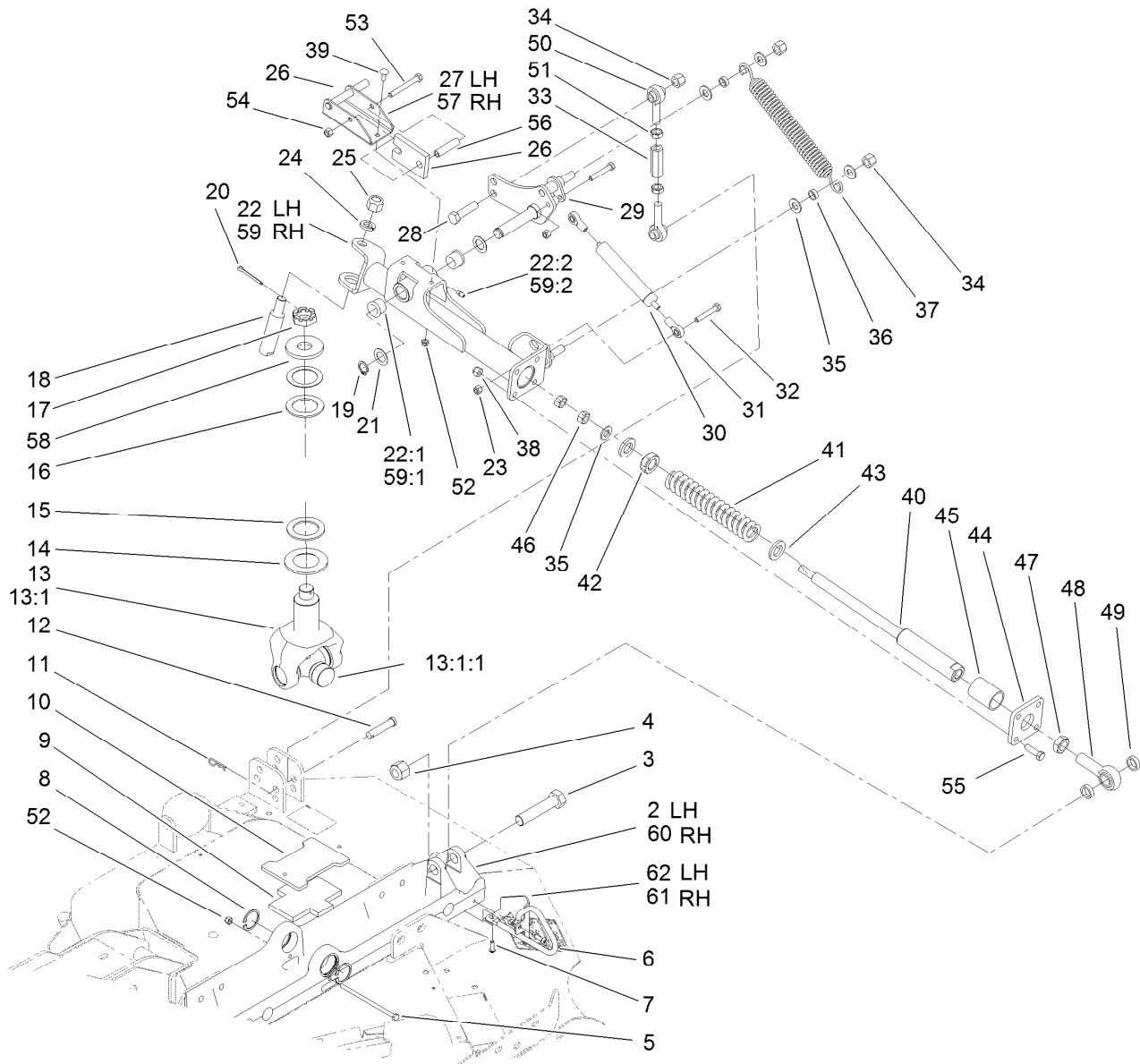
Ref.	Part Number	Qty.	Description
33	104-8300	4	Nut-HF, NI
34	27-0410	2	Screw-Shoulder
35	104-3556-03	1	Latch-RH



Hydraulic Cylinder Assembly No. 107-4303

Ref.	Part Number	Qty.	Description
1	107-0249	1	Seal Kit
1:1		1	Wiper ●
1:2		1	O-Ring ●
1:3		1	O-Ring ●
1:4		1	Back-Up ●
1:5		1	Seal ●
1:6		1	O-Ring ●
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



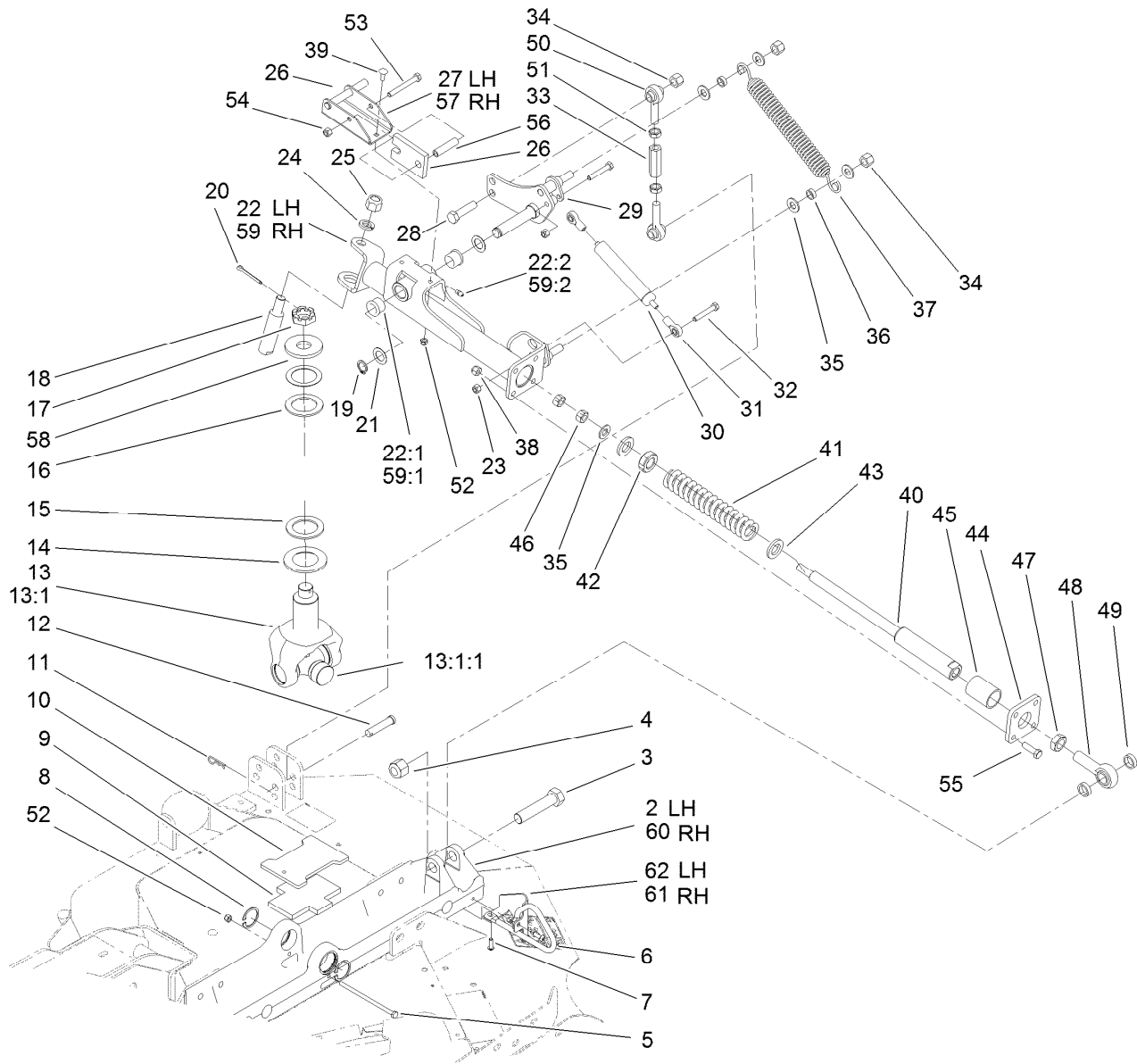
Side Deck Lift Arm and Damper Assembly

Ref.	Part Number	Qty.	Description
2	107-4349-03	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	114-5640-03	2	Joint Yoke ASM
13:1		1	Yoke-Joint ■
13:1:1	104-4299	1	Cross And Bearing Kit
14	104-0720	2	Spacer
15	104-0721	4	Washer-Thrust
16	114-5641	2	Washer-Thrust
17	99-3139	2	Nut-Slotted

Ref.	Part Number	Qty.	Description
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	108-1473	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	119-0118	10	Pad-Bumper
27	119-0117-03	1	Mount-Bumper, LH
28	325-9	2	Screw-HH
29	108-1475-03	1	Bell Crank-RH
29	108-1476-03	1	Bell Crank-LH
30	105-3249	2	Damper
31	104-8331	4	End-Rod, Spherical
32	322-10	4	Screw-HH

● Not illustrated

■ Not serviced separately

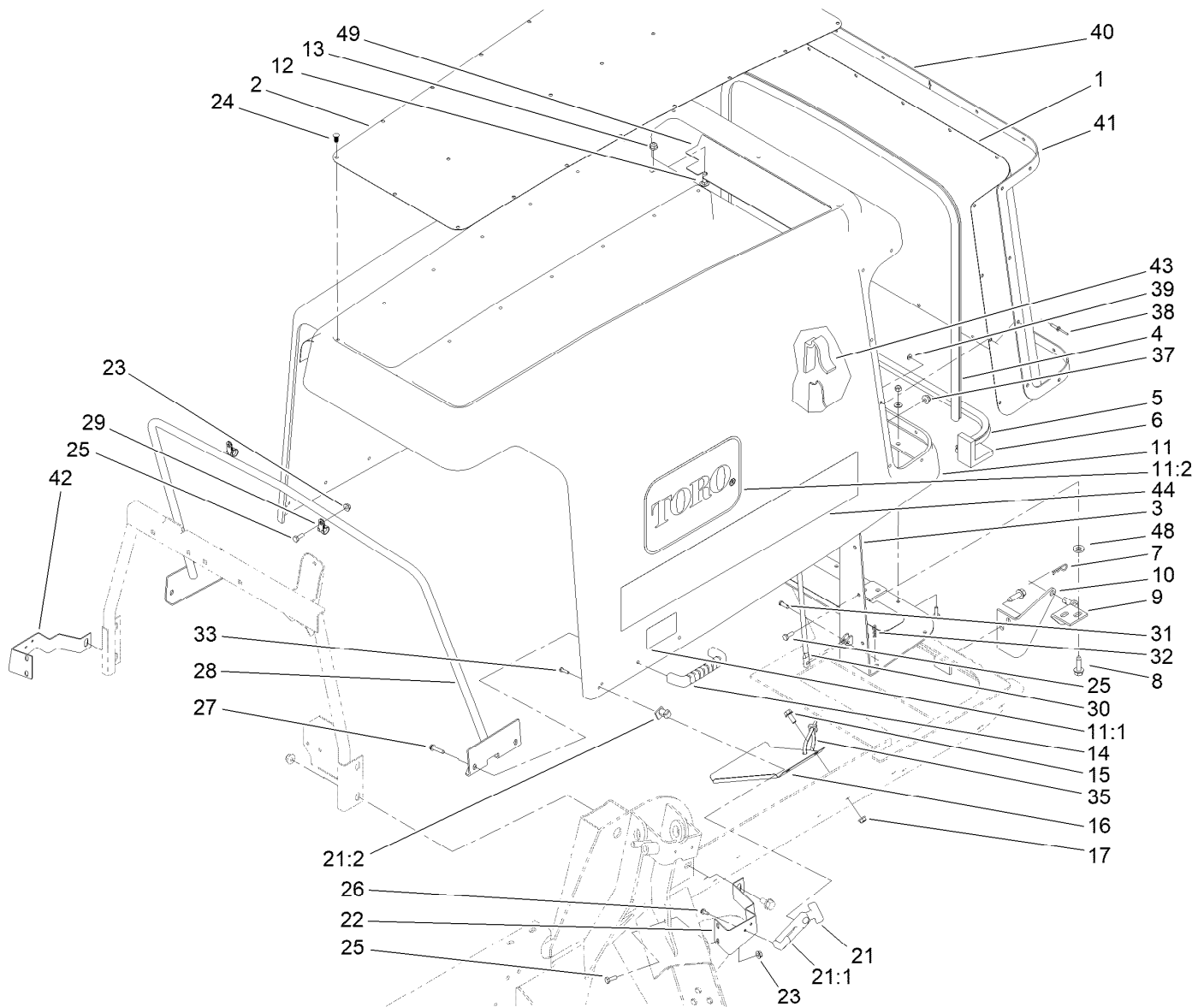


Side Deck Lift Arm and Damper Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
33	105-2809	2	Tube-Link	49	105-0756	4	Spacer
34	3296-23	6	Nut-Lock, NI	50	105-2808	4	End-Rod
35	3256-26	10	Washer-Flat	51	3220-5	4	Nut-Jam
36	104-7521	4	Bushing	52	3296-42	6	Nut-Lock, NI
37	104-7520	2	Spring-Damper	53	322-13	2	Screw-HH
38	3296-39	8	Nut-Lock, NI	54	3296-29	2	Nut-Lock, NI
39	3229-25	4	Screw-CARR	55	323-7	8	Screw-HH
40	105-4548	2	Shaft-Spring	56	85-8960	2	Spacer
41	100-8138	2	Spring-Compression	57	119-0116-03	1	Mount-Bumper, RH
42	105-4552	2	Bearing-Plastic	58	104-0719	2	Washer-Hardened
43	105-4551	4	Washer-Flat	59	108-1471	1	RH Rear Arm ASM
44	105-2807-03	2	Plate	59:1	256-113	2	Bushing-Flange
45	105-4550	2	Bushing-Straight	59:2	302-5	1	Fitting-Grease
46	3217-9	4	Nut-HH	60	107-4348-03	1	Mount-Deck, RH ●
47	3220-7	2	Nut-Jam	61	120-0480-03	1	Guide-Hose, RH
48	105-2806	2	End-Rod	62	120-0481-03	1	Guide-Hose, LH

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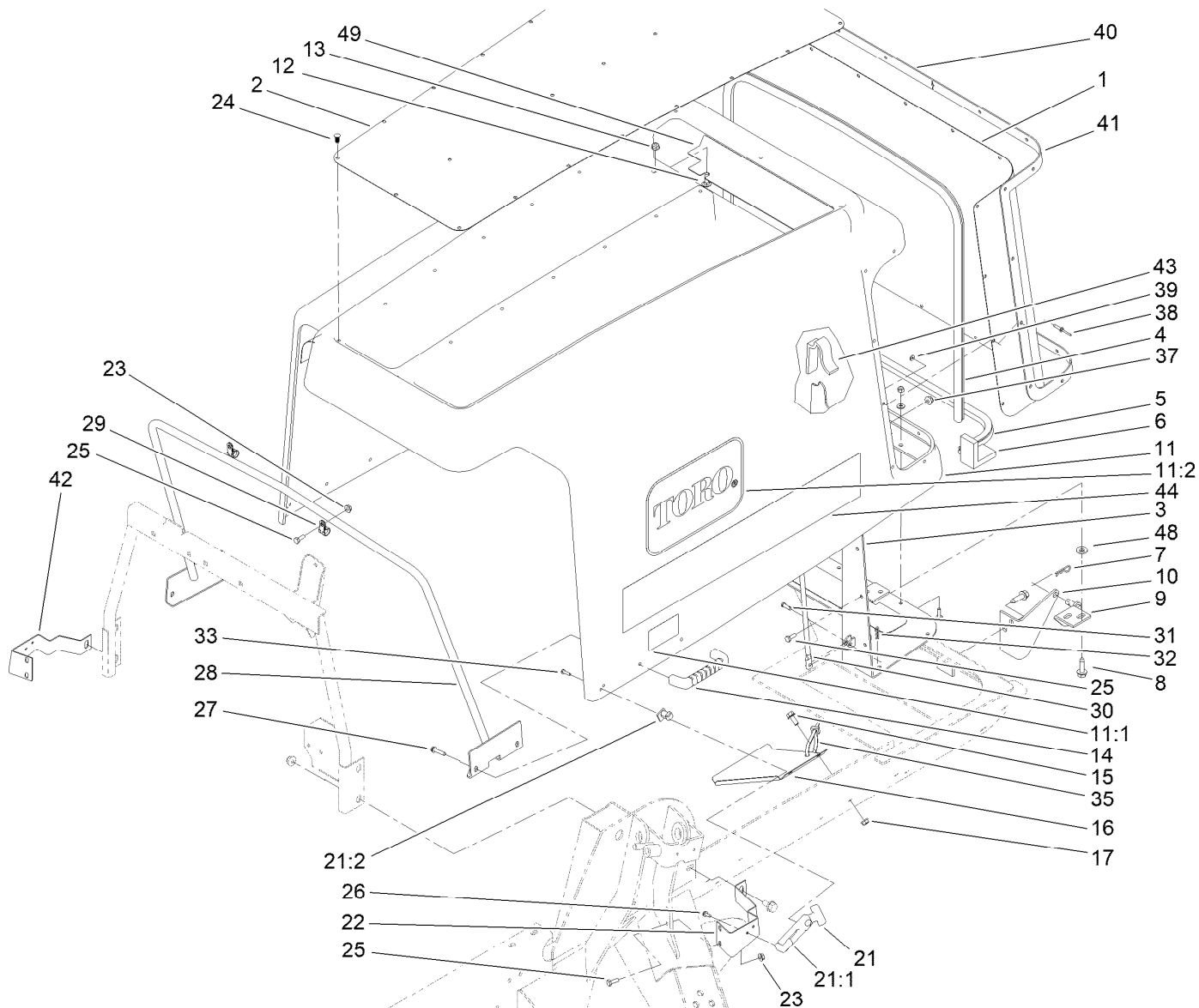
■ Not serviced separately



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
9	104-3589	2	Pivot-Screen
10	104-3588-03	2	Pivot-Screen
11	119-0056	1	Hood ASM
11:1	106-6754	1	Decal-Danger
11:2	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	2	Screw-HHF
16	104-3560-03	1	Deflector-Filter, Oil
17	32128-20	2	Nut-HF
21	94-5626	2	Flexible Draw Latch ASM
21:1	103-4080	1	Latch-Rubber

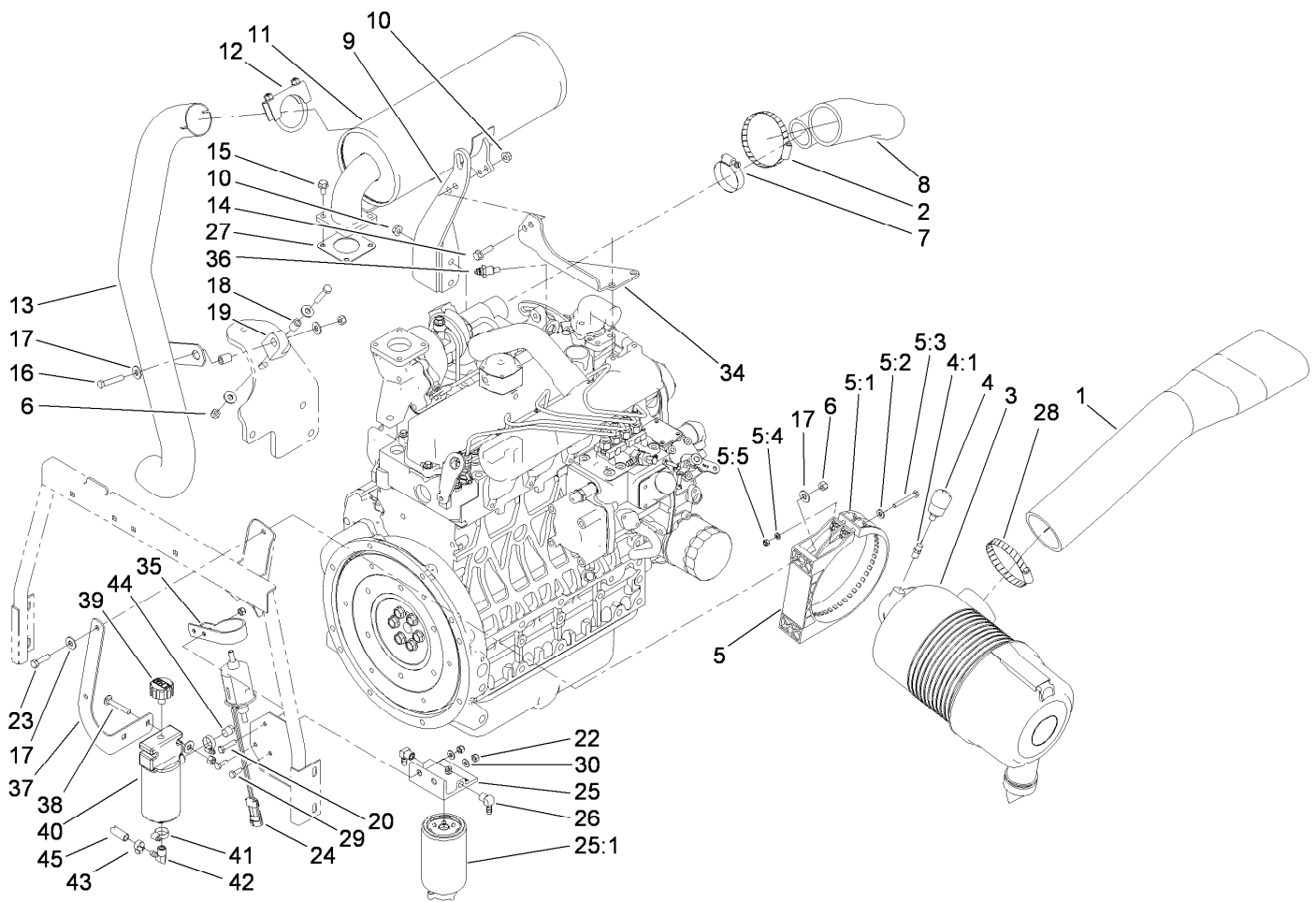
Ref.	Part Number	Qty.	Description
21:2	103-4081	1	Latch-Keeper
22	104-2253-03	1	Bracket-Latch, LH
23	32128-33	6	Nut-HF
24	114-4899	24	Rivet-Push
25	321-4	26	Screw-HH
26	32144-1	4	Screw-Taptite
27	46-8092	4	Screw-Plastite
28	104-3505-03	1	Support-Hood
29	2412-134	2	Clamp-R
30	104-8313	2	Rod-Hood
31	283-67	2	Pin-Clevis
32	3290-307	2	Pin-Cotter
33	32104-4	2	Screw
35	3290-378	1	Tie-Cable
37	104-7201	20	Nut-HF, 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



Hood and Screen Assembly (continued)

Ref.	Part Number	Qty.	Description
44	106-2045	2	Decal-Hood

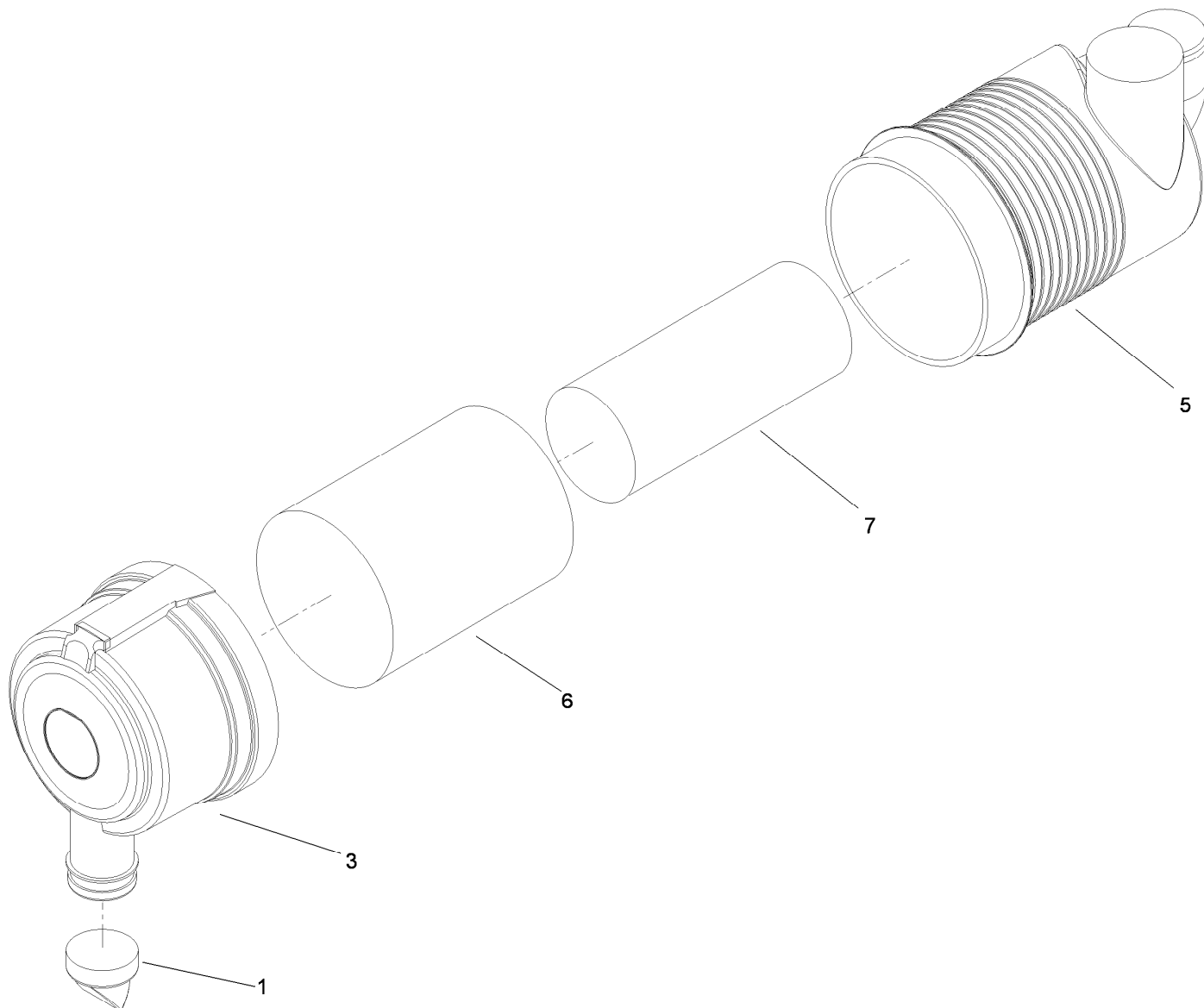
Ref.	Part Number	Qty.	Description
48	43-0940	4	Spacer
49	119-0097-03	1	Shield-Hood



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	6	Nut-Lock, NI
7	2412-92	1	Clamp-Hose
8	117-2396	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	119-0100	1	Pipe-Exhaust
14	33104-030	2	Screw-HHF
15	33104-016	6	Screw-HHF
16	322-9	2	Screw-HH
17	3256-3	10	Washer-Flat
18	93-5023	2	Spacer

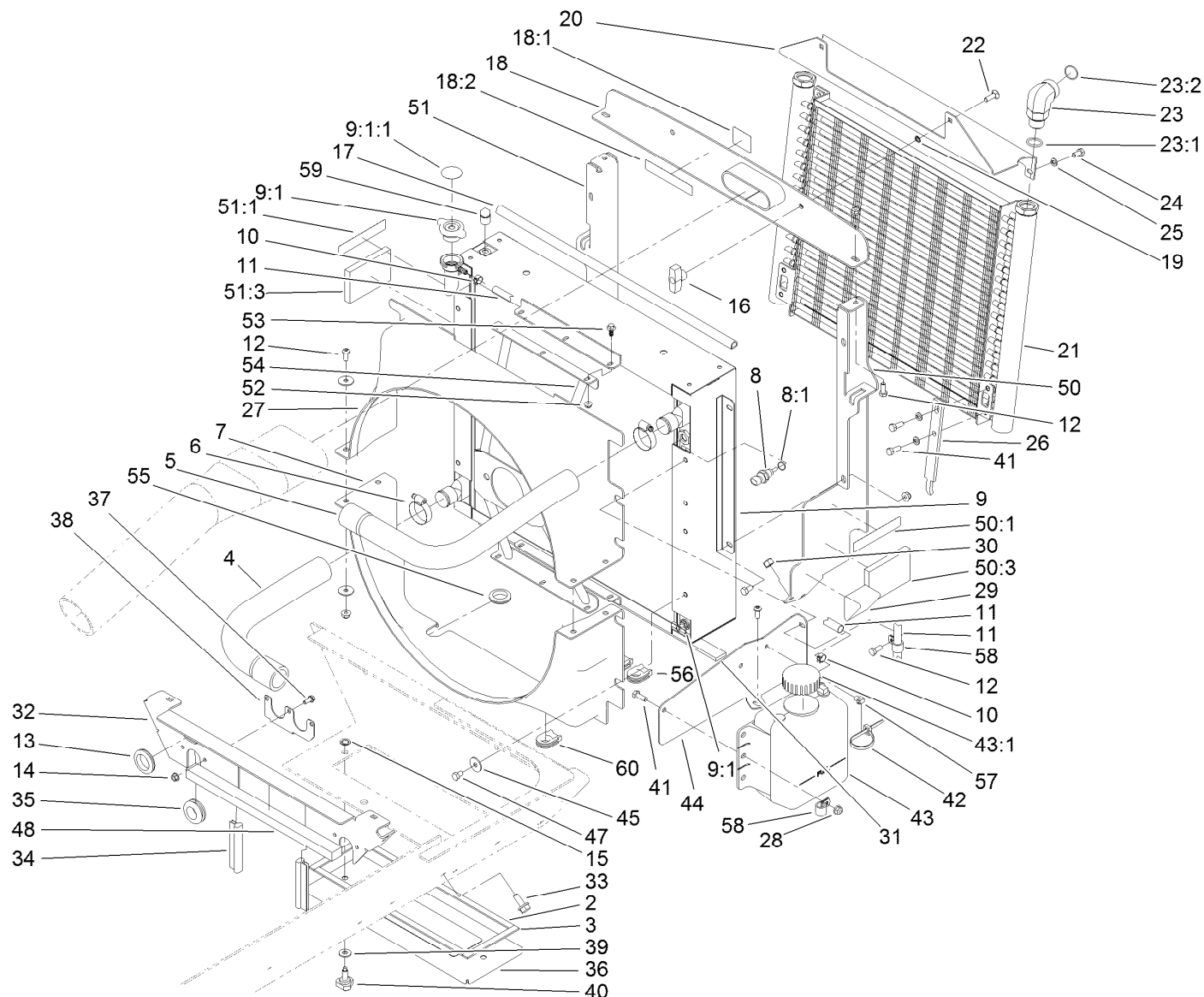
Ref.	Part Number	Qty.	Description
19	95-5622	1	Hanger-Rubber
20	321-8	1	Screw-HH
22	3296-42	3	Nut-Lock, NI
23	322-6	2	Screw-HH
24	110-8806	1	Pump-Fuel
25	110-9044	1	Separator-Filter
25:1	110-9049	1	Filter-Spin On, Fuel/Water
26	353-781	2	Fitting-HYD, 90
27	100-9333	1	Gasket-Muffler
28	2412-125	1	Clamp-Hose
29	321-4	2	Screw-HH
30	3256-22	2	Washer-Flat
34	112-9113-03	1	Mount-Exhaust
35	110-8817	1	Bracket-Pump, Fuel
36	98-9346	1	Sender-Temperature
37	119-0085-03	1	Mount-Overflow
38	3230-5	2	Bolt-CARR
39	68-6150	1	Breather
40	119-0098	1	Tank-Overflow
41	2412-36	2	Clamp-Hose
42	353-781	1	Fitting-HYD, 90
43	2412-108	1	Clamp-Worm
44	281-1	1	Plug-Pipe, SQH
45	110-4100	1	Hose-Fuel



Air Cleaner Assembly No. 99-5410

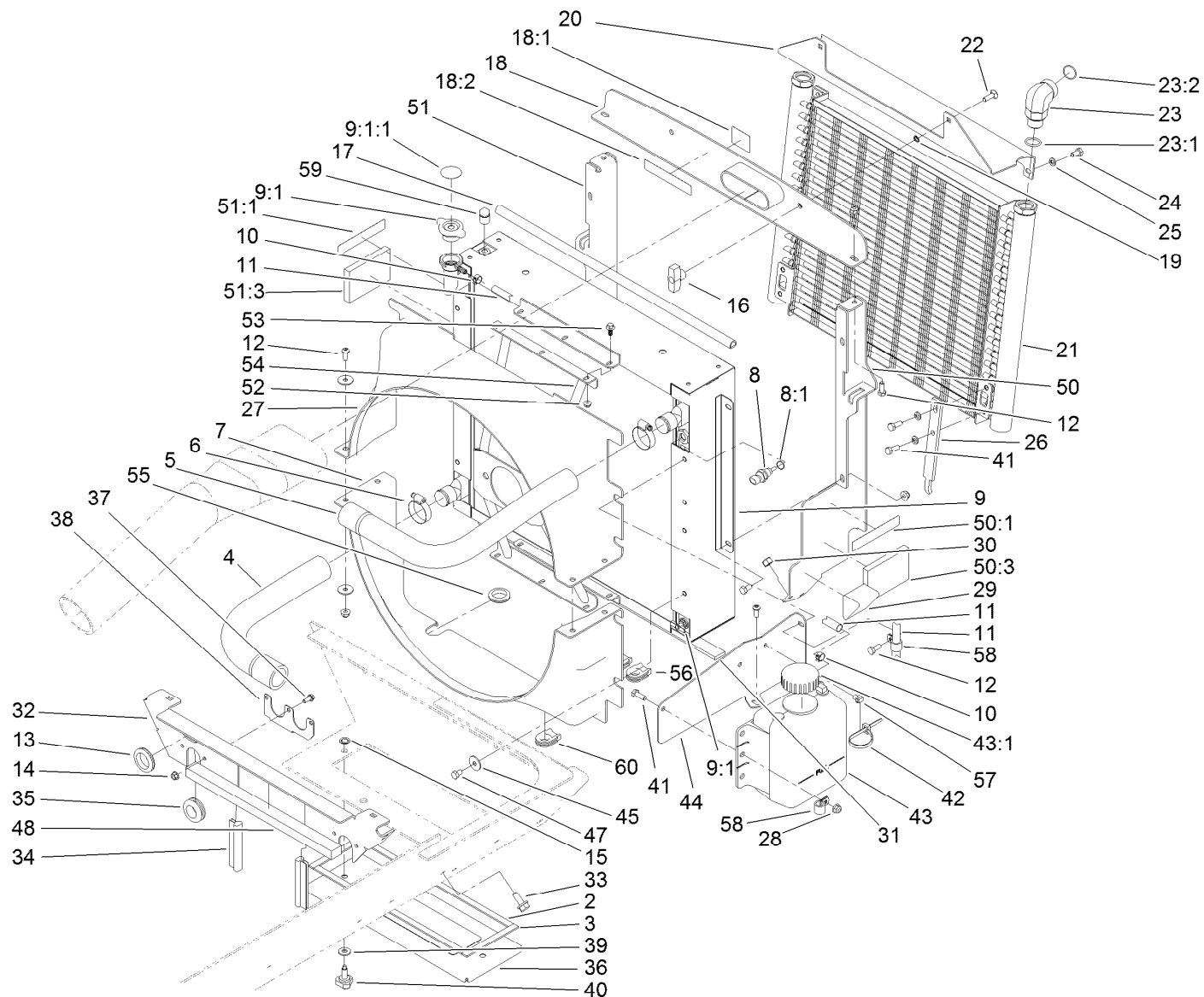
Ref.	Part Number	Qty.	Description
1	104-4258	1	Valve-Vacuator
3	104-4259	1	Cover
5		1	Body ASM ●
6	108-3814	1	Filter-Air
7	108-3816	1	Filter-Air

● Not serviced separately



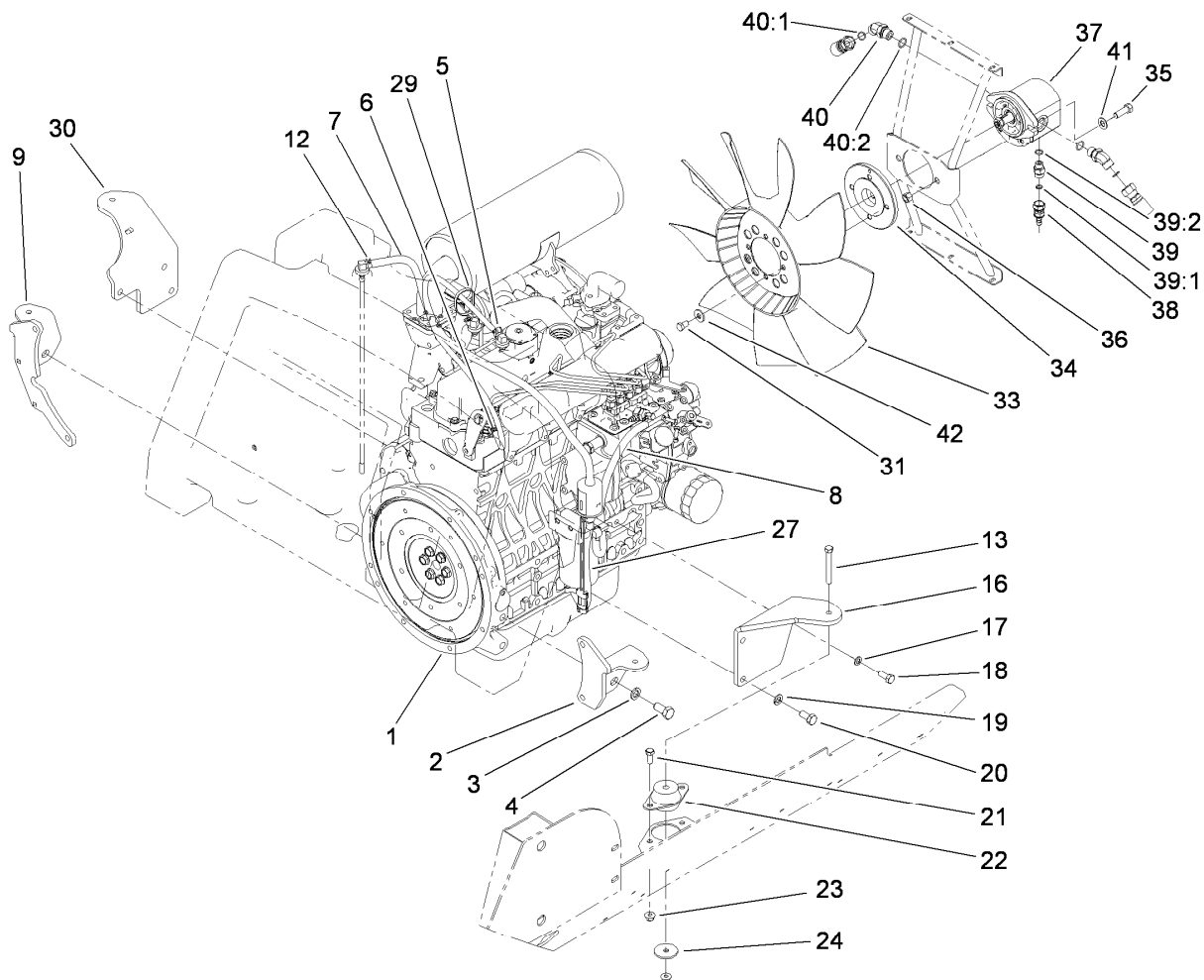
Radiator, Oil Cooler and Support Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	105-0777	2	Strip-Foam	18:2	93-7272	1	Decal-Warning
3	105-0778	2	Strip-Foam	19	104-8310	2	Ring-Retaining
4	114-3832	1	Hose-Radiator, Lower	20	117-5667-03	1	Bracket-Oil Cooler
5	114-3831	1	Hose-Radiator, Upper	21	110-0485	1	Cooler-Oil
6	2412-111	4	Clamp-Hose, W/Liner	22	3230-22	2	Screw-CARR
7	114-3834	1	Shroud-Radiator, Lower	23	104-3796	2	Fitting-Elbow 90
8	110-8829	1	Sender-Temperature	23:1	237-81	1	O-Ring
8:1	237-42	1	O-Ring	23:2	340-65	1	O-Ring
9	119-3871	1	Radiator	24	322-2	2	Screw-HH
9:1	115-7766	1	Cap-Radiator	25	3253-4	6	Washer-Lock
9:1:1	106-6755	1	Decal-Cap, Radiator	26	117-5657-03	2	Plate-Mount, Oil Cooler
10	92-2379	3	Clamp-Hose	27	114-3816	1	Shroud-Radiator, Upper
11	109-0277	2	Hose-Fuel	28	104-8300	12	Nut-HF, NI
12	3234-47	11	Screw-HHF	29	93-5954	2	Plug-Foam
13	240-3	1	Grommet-Rubber	30	3296-39	6	Nut-Lock, NI
14	32128-33	4	Nut-HF	31	104-2226	1	Strip-Foam
15	32151-72	2	Ring-Retaining	32	114-9763-03	1	Bracket-Base
16	98-7134	2	Knob-Handle	33	3234-24	6	Screw-HHF
17	114-3828	1	Seal-Bulb	34	104-2224	2	Seal-Bulb
18	114-3813	1	Radiator Top Support ASM	35	237-165	2	Grommet
18:1	93-7275	1	Decal-Fluid, Starting	36	110-6157-03	1	Cover



Radiator, Oil Cooler and Support Assembly (continued)

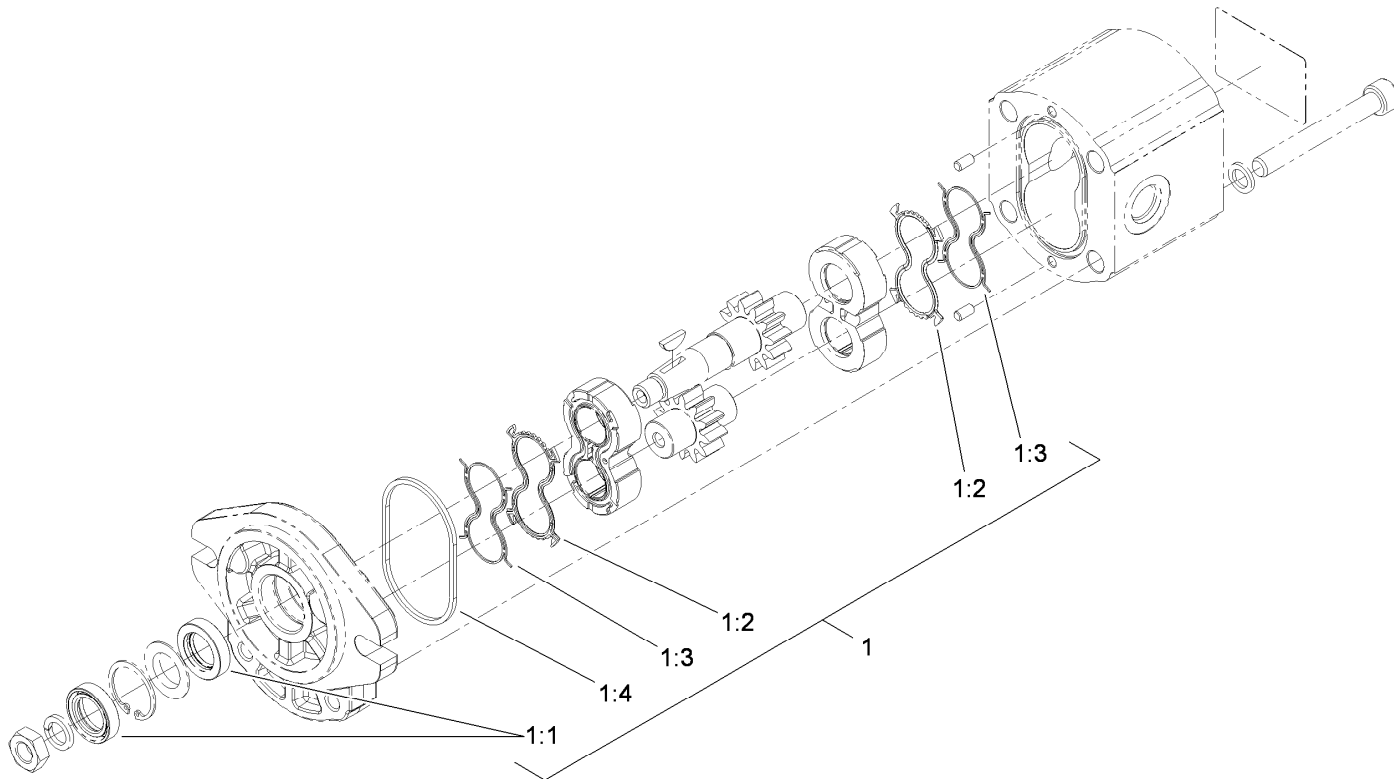
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
37	3234-33	4	Screw-HHF	50:3	100-2196	1	Pad-Foam
38	106-6773-03	2	Plate	51	114-3803	1	Radiator RH Support ASM
39	3256-3	2	Washer-Flat	51:1	93-7272	1	Decal-Warning
40	95-9648	2	Knob	51:3	100-2196	1	Pad-Foam
41	322-4	6	Screw-HH	52	104-7201	6	Nut-HF, NI
42	3290-378	1	Tie-Cable	53	99-6810	6	Screw-HHF
43	104-2276	1	Reservoir-Coolant	54	114-9764-03	1	Bracket-Motor, Fan
43:1	87-7050	1	Cap-Reservoir	55	240-3	1	Grommet-Rubber
44	114-3801-03	1	Bracket-Tank	56	115-3764	1	Grommet (.680 ID)
45	3256-82	6	Washer-Flat	57	32180-030	1	Clip-Tie
47	322-1	7	Screw-HH	58	92-6064	2	Clamp-R
48	95-4231	1	Foam-Seal, Side Screen	59	281-13	1	Plug-Pipe
50	114-3805	1	Radiator LH Support ASM	60	115-3763	1	Grommet (.800 ID)
50:1	93-7272	1	Decal-Warning				



Engine Mount, Fuel Line and Fan Drive Assembly

Ref.	Part Number	Qty.	Description
1	114-3800	1	Engine ASM
2	117-5659-03	1	Mount-Engine, LH
3	43-5950	2	Washer-Lock, Spring
4	43-3210	2	Screw-HH
5	2412-108	1	Clamp-Worm
6	2412-80	1	Clamp-Hose
7	110-3257	1	Hose-Fuel
8	110-3254	1	Hose-Fuel
9	117-5658-03	1	Mount-Engine, RH
12	92-2379	7	Clamp-Hose
13	323-14	4	Screw-HH
16	114-3817-03	1	Mount-Engine, LH
17	48-9590	1	Washer-Lock
18	43-0090	1	Screw-HH
19	48-8070	5	Washer-Lock
20	42-9250	5	Bolt
21	323-5	8	Screw-HH
22	53-9682	4	Mount-Engine
23	104-8301	12	Nut-HF, NI

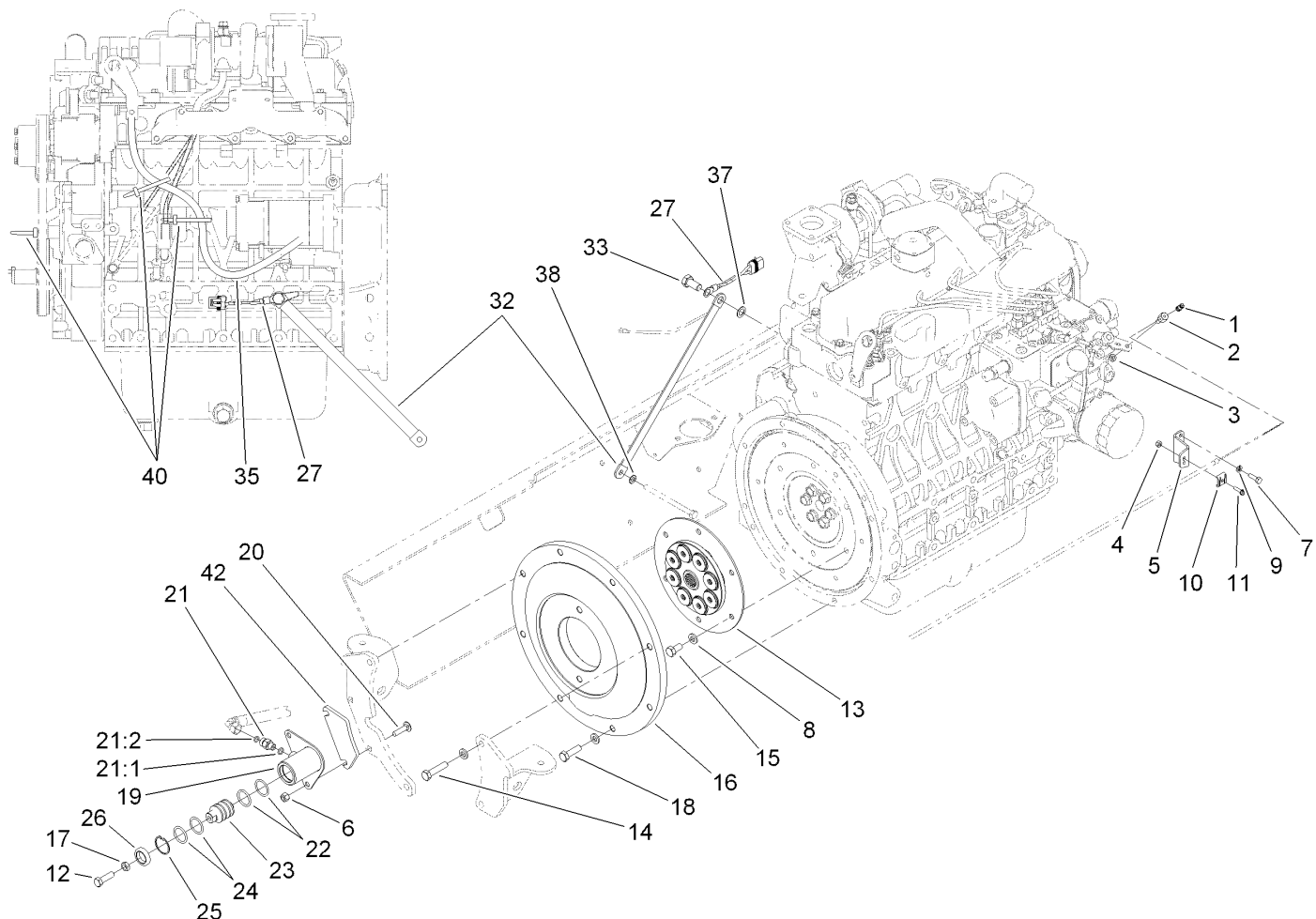
Ref.	Part Number	Qty.	Description
24	63-7400	4	Washer-Rebound
27	109-0274	2	Hose-Fuel
29	3290-378	1	Tie-Cable
30	115-3766-03	1	Mount-Engine, Rear RH
31	115-8486	4	Screw-HH
33	114-3825	1	Fan
34	117-2364	1	Hub-Fan
35	324-5	2	Screw-HH
36	3296-48	2	Nut-Hex
37	117-4769	1	HYD Motor ASM
38	115-3756	1	Hose ASM
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. 117-4769

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

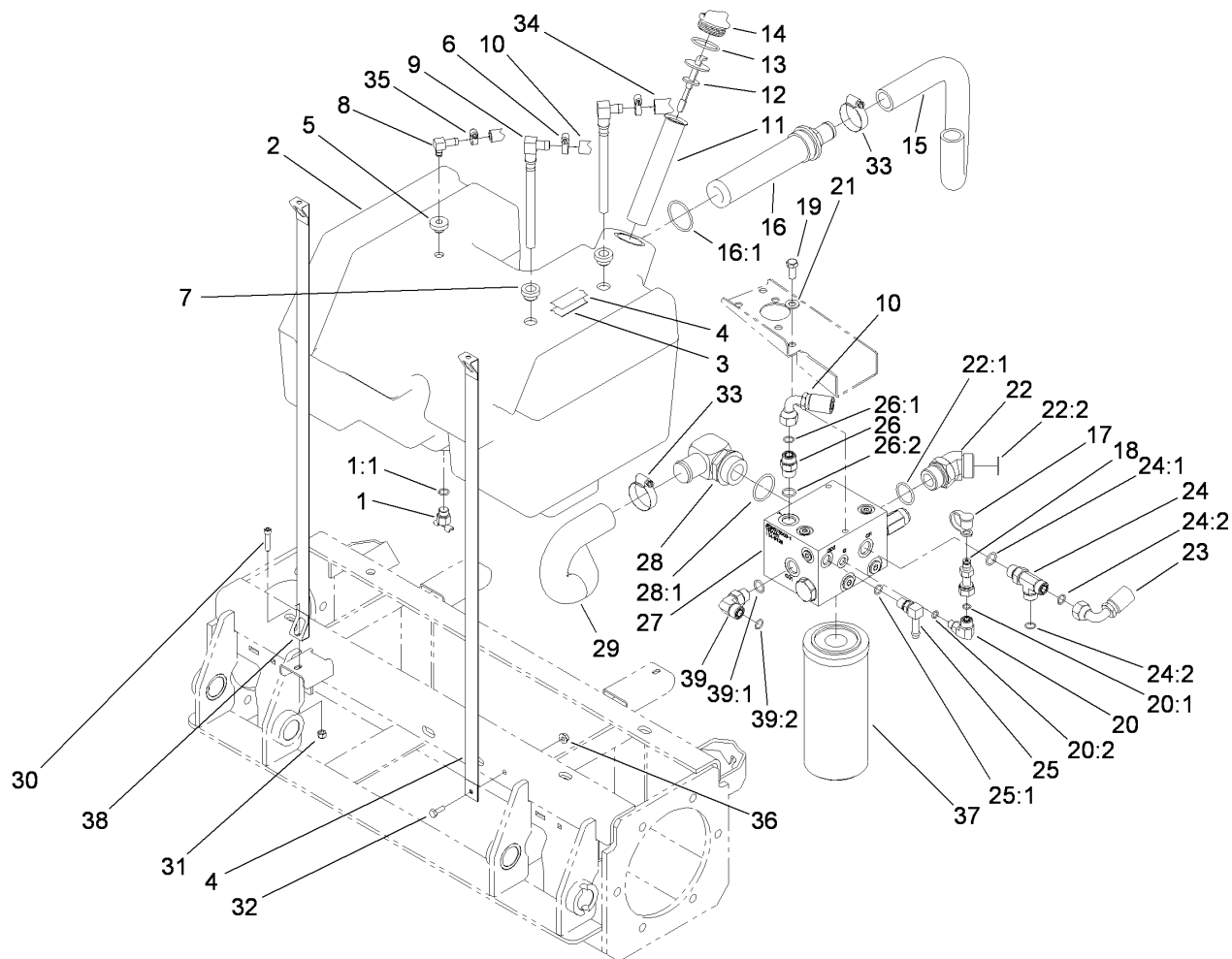
● Not serviced separately



Flywheel and Throttle Assembly

Ref.	Part Number	Qty.	Description
1	112-9919	1	Stop-Cable, Throttle
2	93-0021	1	Swivel-Cable, Throttle
3	3296-13	1	Nut-Lock, NI
4	3296-2	1	Nut-Lock, NI
5	115-9114-03	1	Support-Cable, Throttle
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
10	81-1690	1	Clamp-Cable
11	32105-13	1	Screw-HWH
12	323-7	1	Screw-HH
13	114-3848	1	Coupler-Spring, Flywheel
14	117-5664	4	Screw-HH
15	99-5130	6	Screw-HH
16	115-6657-03	1	Plate-Flywheel
17	3218-3	1	Nut-Jam
18	117-5663	4	Screw-HH

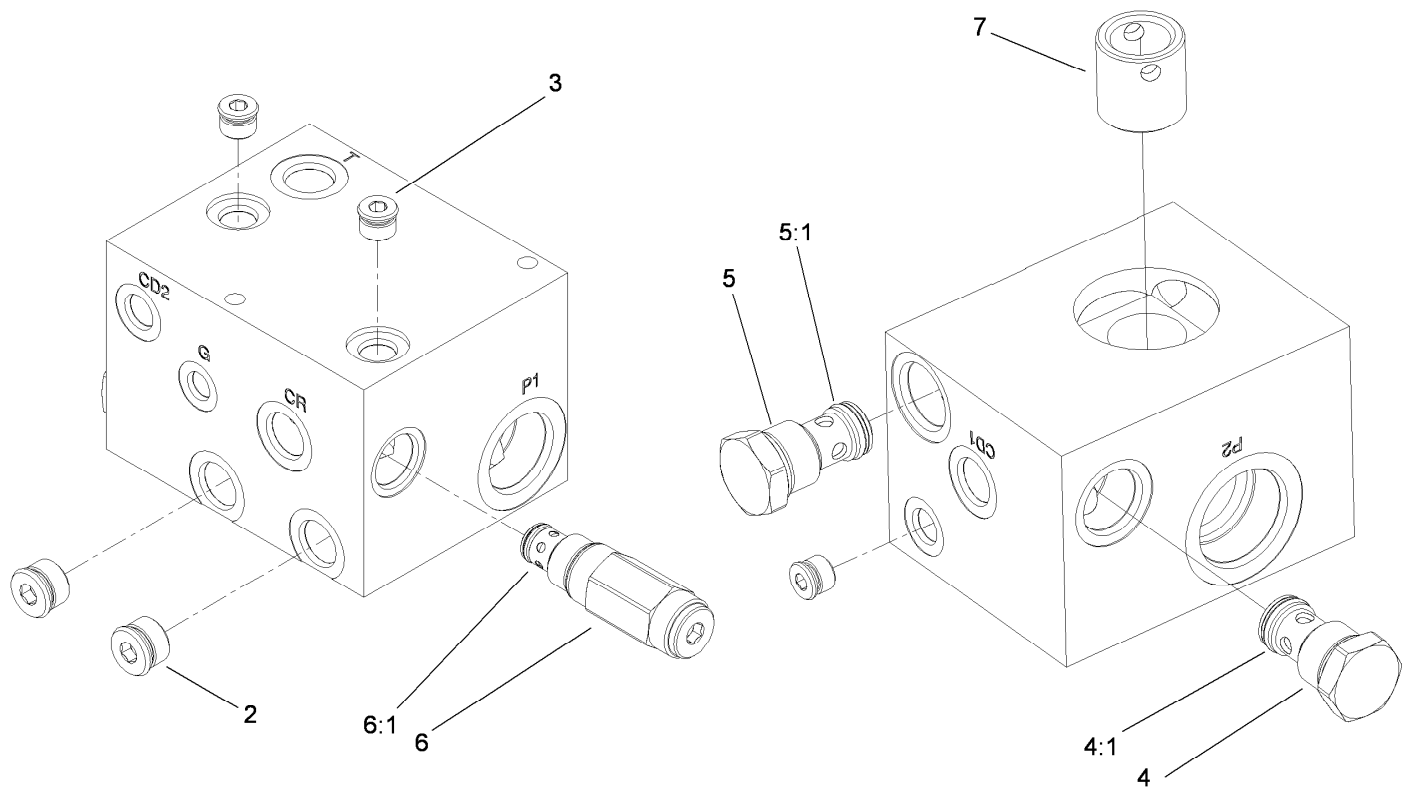
Ref.	Part Number	Qty.	Description
19	117-5691	1	Cylinder-Transport
20	3230-3	2	Screw-CARR
21	340-92	1	Fitting-Straight
21:1	237-78	1	O-Ring
21:2	237-21	1	O-Ring
22	237-185	2	O-Ring
23	117-5689	1	Piston-Cylinder
24	104-2296	2	Ring-Back Up
25	32151-51	1	Ring-Retaining
26	104-8304	1	Seal-Grease
27	117-2370	1	Harness-Ground
32	117-2377	1	Cable-Battery, Negative
33	42-9250	1	Bolt
35	117-4745	1	Cable-Battery, Positive
37	3255-2	1	Washer-Lock, EXT
38	3255-8	1	Washer-Lock
40	3290-378	5	Tie-Cable
42	117-5662	1	Spacer-Cylinder



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

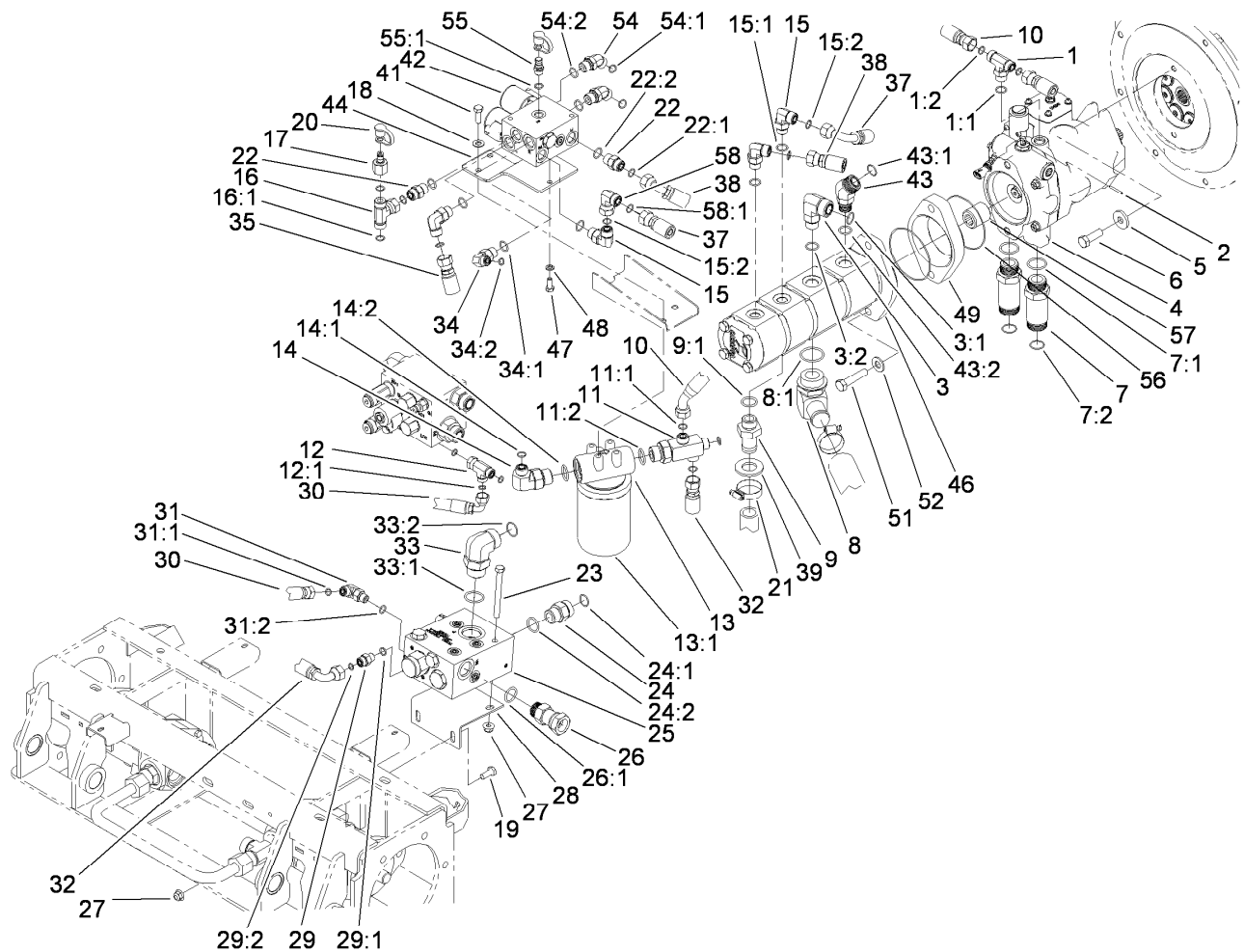
Ref.	Part Number	Qty.	Description
22:2	340-65	1	O-Ring
23	105-7927	1	Hose-HYD
24	340-109	1	Fitting-Tee
24:1	237-79	1	O-Ring
24:2	237-30	2	O-Ring
25	100-4887	1	Fitting-Elbow, 90
25:1	237-42	1	O-Ring
26	340-4	1	Fitting-Straight
26:1	237-30	1	O-Ring
26:2	237-79	1	O-Ring
27	114-8129	1	HYD Filter Manifold 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-Hose, W/Liner
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 Filter Manifold Assembly No. 114-8129

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

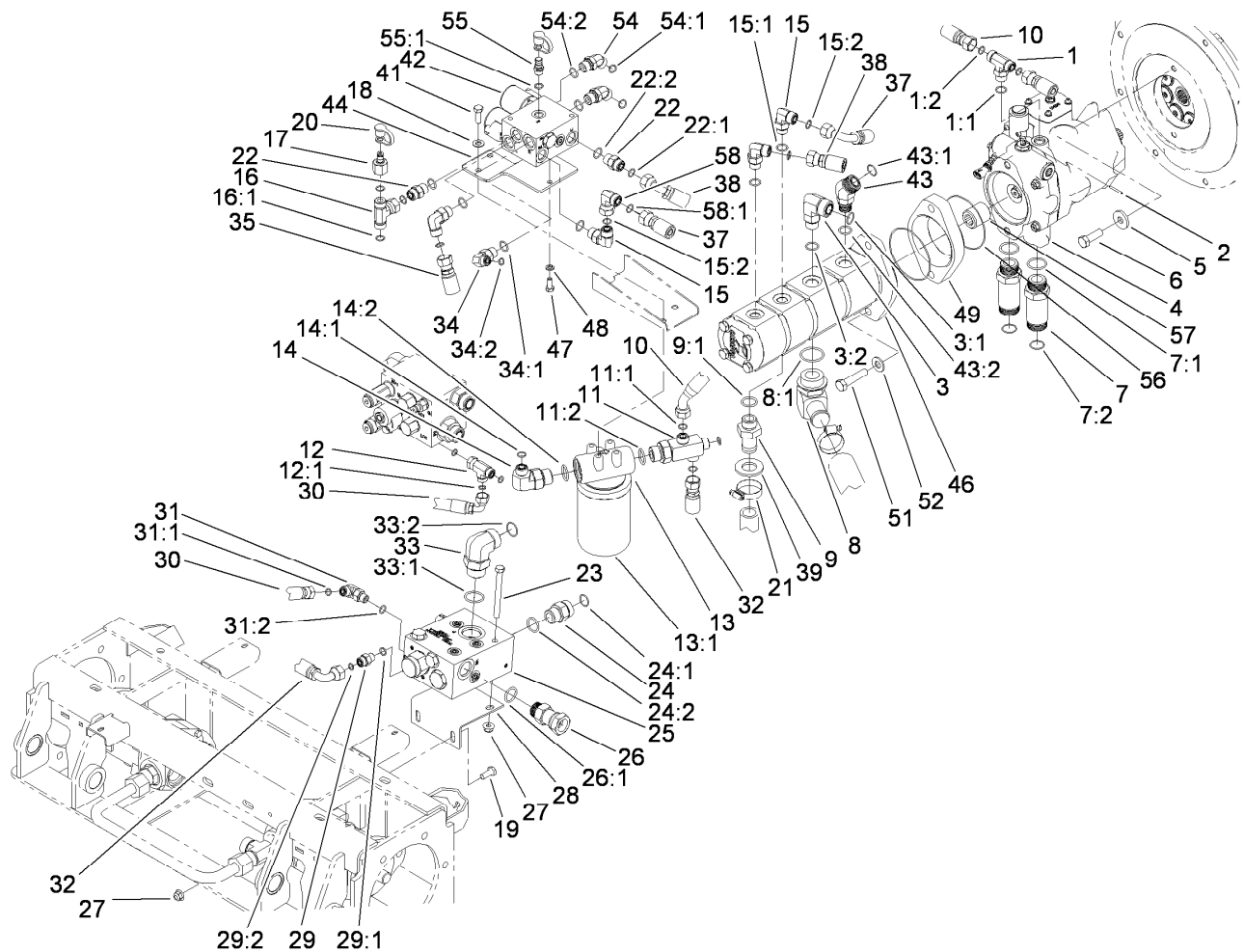
● Not serviced separately



Pump Installation and Filter Assembly

Ref.	Part Number	Qty.	Description
1	340-157	1	Fitting-HYD, Tee
1:1	237-79	1	O-Ring
1:2	237-30	2	O-Ring
2	32121-77	1	Pin-Roll
3	340-16	1	Fitting-HYD, 90 DEG
3:1	237-80	1	O-Ring
3:2	237-58	1	O-Ring
4	114-9769	1	Piston Pump ASM
5	110-6147	2	Washer-Flat
6	115-8487	2	Screw-HH
7	100-5565	2	Fitting-STR
7:1	237-146	1	O-Ring
7:2	340-65	1	O-Ring
8	92-7526	1	Fitting-HYD 90 Spcl
8:1	237-101	1	O-Ring
9	99-3017	1	Fitting
9:1	237-81	1	O-Ring
10	100-5521	1	Hose ASM
11	106-4318	1	Fitting
11:1	237-30	3	O-Ring
11:2	237-81	1	O-Ring
12	340-115	1	Fitting-Tee
12:1	237-22	2	O-Ring
13	93-2242	1	Oil Filter ASM
13:1	75-1310	1	Filter-HYD
14	340-131	1	Fitting-HYD, 90 DEG
14:1	237-30	1	O-Ring

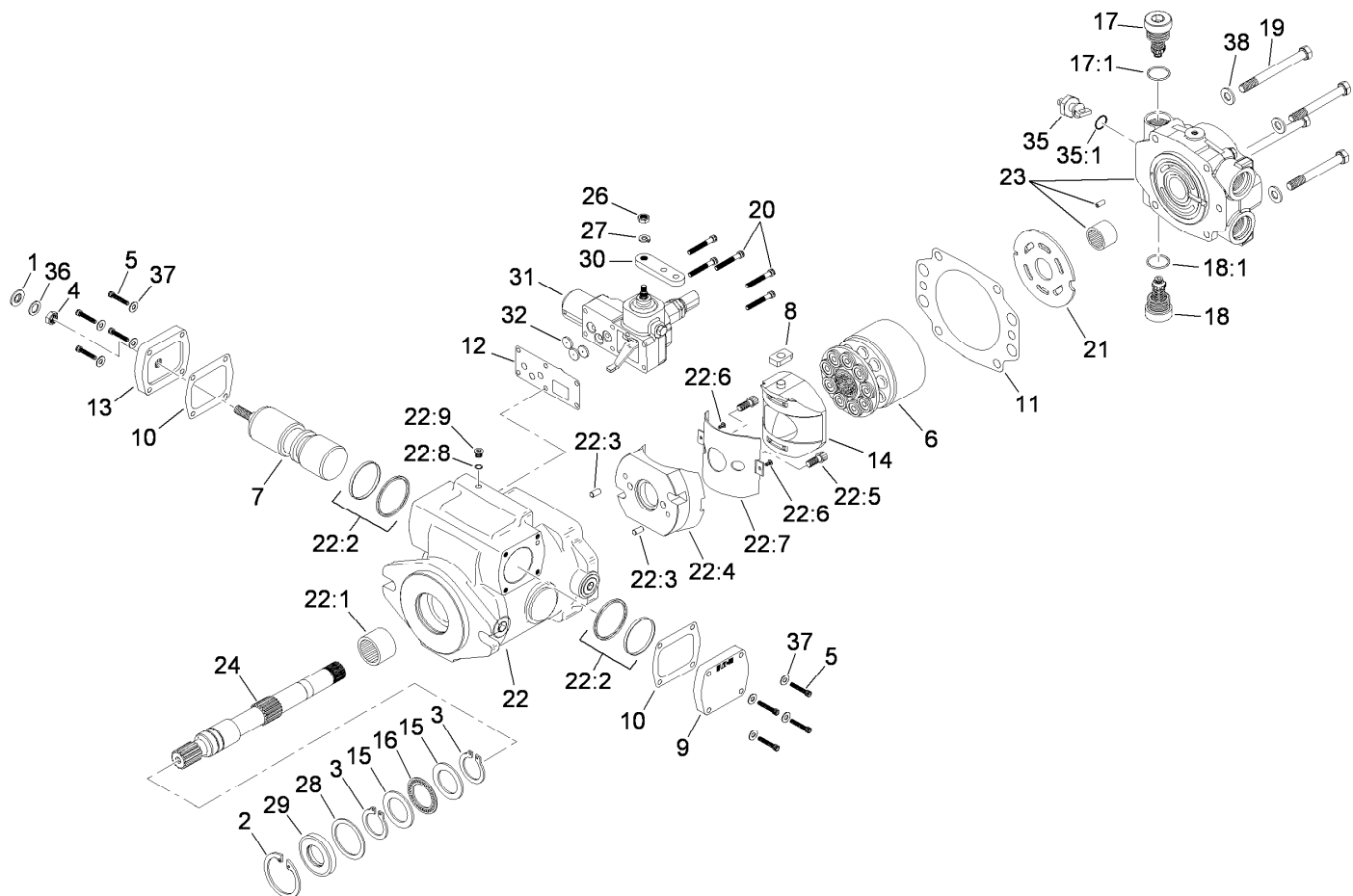
Ref.	Part Number	Qty.	Description
14:2	237-81	1	O-Ring
15	340-98	4	Fitting-Elbow, 90 DEG
15:1	237-79	1	O-Ring
15:2	237-30	1	O-Ring
16	93-6810	1	Fitting-Tee
16:1	237-30	2	O-Ring
17	100-5616	1	Fitting
18	3256-24	2	Washer-Flat
19	323-5	2	Screw-HH
20	354-79	2	Cap-Dust
21	2412-111	2	Clamp-Hose, W/Liner
22	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
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



Pump Installation and Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
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
37	105-3985	1	Hose-HYD
38	95-3737	1	HYD Hose ASM
39	3256-62	1	Washer-Flat
41	323-6	2	Screw-HH
42	114-3847	1	Fan Drive Manifold ASM
43	115-3768	1	Fitting-HYD, 45 DEG
43:1	237-58	1	O-Ring

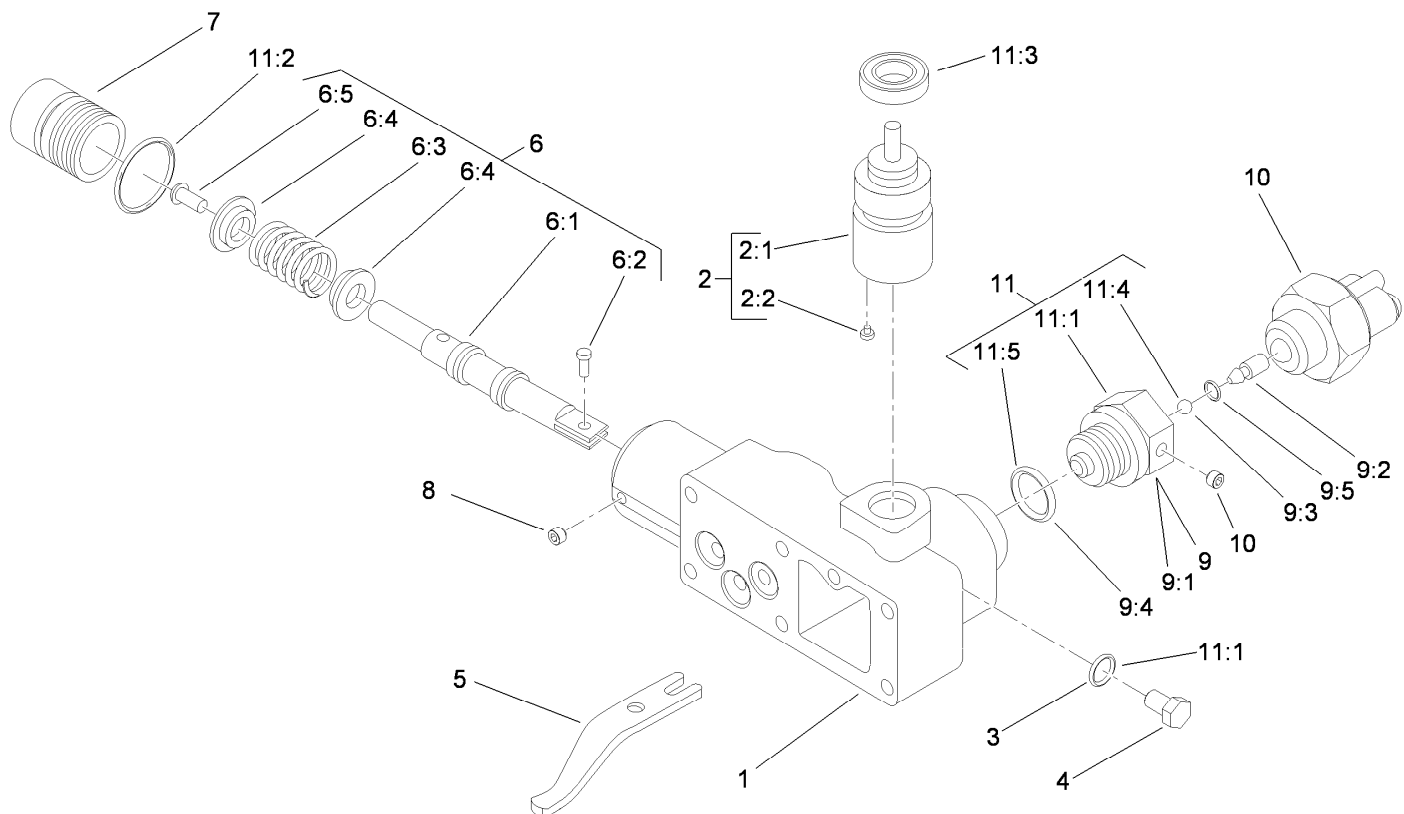
Ref.	Part Number	Qty.	Description
43:2	237-80	1	O-Ring
44	114-9784-03	1	Mount-Manifold
46	114-9770	1	Pump ASM
47	322-3	2	Screw-HH
48	3253-4	2	Washer-Lock
49	115-3757	1	Spacer-Pump
51	115-8488	2	Screw-HH
52	87-7270	2	Washer-Thrust
54	340-101	2	Fitting-HYD, 45 DEG
54:1	237-30	1	O-Ring
54:2	237-79	1	O-Ring
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	Elbow-90
58:1	237-30	1	O-Ring



Piston Pump Assembly No. 114-9769

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	3220-3	1	Nut-HJ	22:1		1	Bearing ●
2	60-6260	1	Ring	22:2		2	Seal ●
3	76-7000	2	Ring-Retaining	22:3		2	Pin-Dowel ●
4	94-3027	1	Washer-Seal	22:4		1	Cradle ASM ●
5	93-6337	8	Screw	22:5		2	Screw ●
6	99-8701	1	Rotating Kit	22:6		2	Screw ●
7	105-4572	1	Servo Piston ASM	22:7		1	Bushing ●
8	94-3032	1	Follower-Piston	22:8		1	O-Ring ●
9	94-3033	1	Plate-Cover	22:9		1	Plug ●
10	93-6339	2	Gasket	23	115-3007	1	Endcover Sub-Assembly
11	105-2900	1	Gasket-Housing	24	115-3008	1	Shaft-Drive
12	105-2901	1	Gasket-Housing, Control	26	93-6327	1	Nut
13	105-9853	1	Plate-Cover	27	3253-3	1	Washer-Lock
14	94-3026	1	Camplate ASM	28	60-6240	1	Washer
15	76-6950	2	Race-Thrust	29	105-3331	1	Seal-Shaft
16	76-6960	1	Bearing-Thrust	30	105-2862	1	Arm-Control
17	105-2857	1	Valve-Relief	31	115-4446	1	Control-Servo, Manual
17:1		1	O-Ring ●	32	105-2863	3	Orifice
18	105-2858	1	Valve-Relief	35	105-2864	1	Valve-Bypass
18:1		1	O-Ring ●	35:1		1	O-Ring ●
19	323-45	4	Screw-HH	36	94-3030	1	Washer
20	93-6324	6	Screw	37	93-6336	8	Washer
21	99-8704	1	Plate-Valve	38	105-9762	4	Washer
22	105-2859	1	Housing ASM				

● Not serviced separately

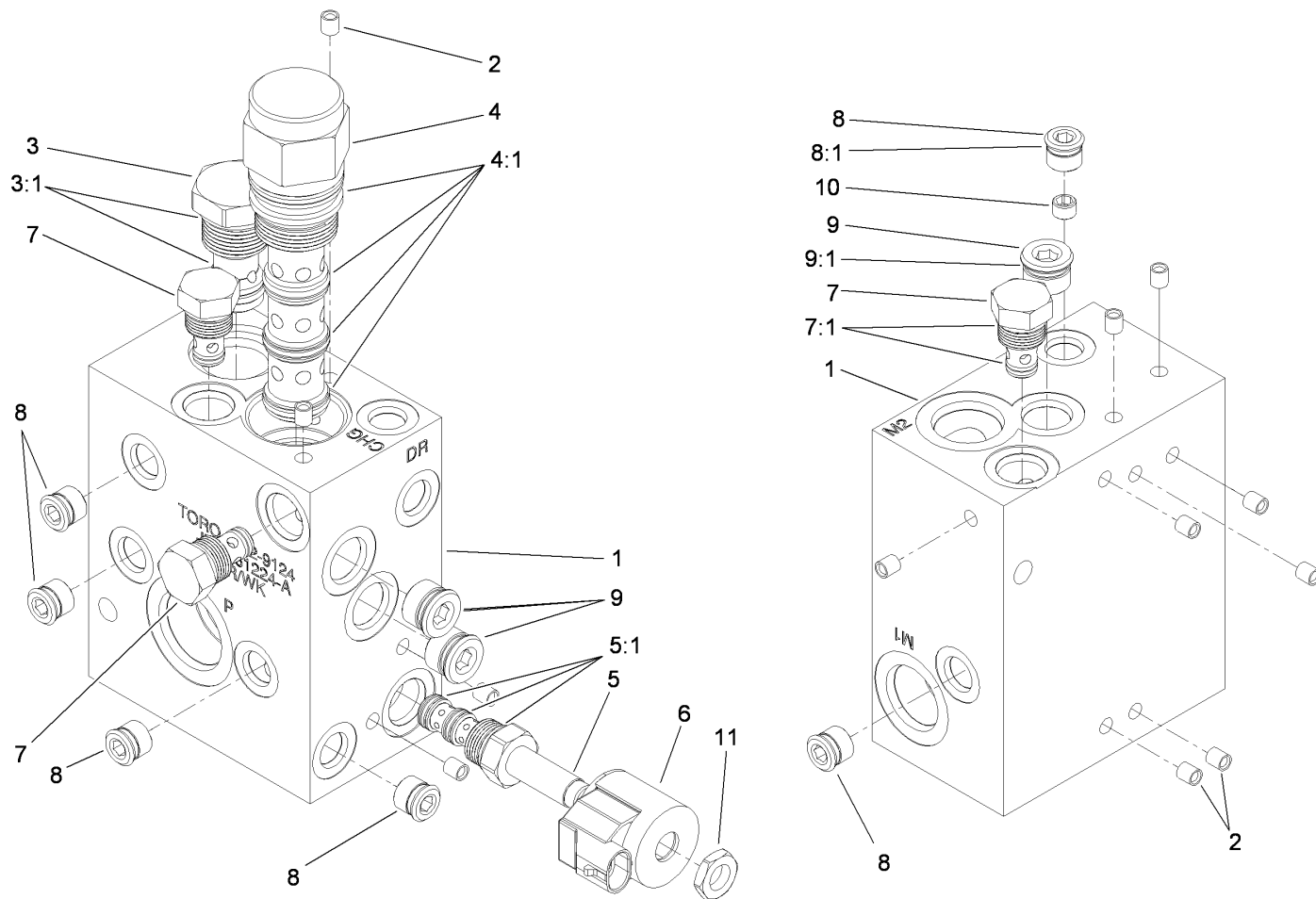


Control Assembly No. 115-4446

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	O-Ring ●
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	O-Ring ●
9:5		1	O-Ring ●
10	115-3795	1	Switch-Neutral
11	94-3044	1	Seal Kit
11:1	117-8979	1	Seal-Shaft
11:2	105-2901	1	Gasket-Housing, Control
11:3		1	O-Ring ●
11:4		1	O-Ring ●
11:5		1	Seal-Wiper ●

● Not serviced separately

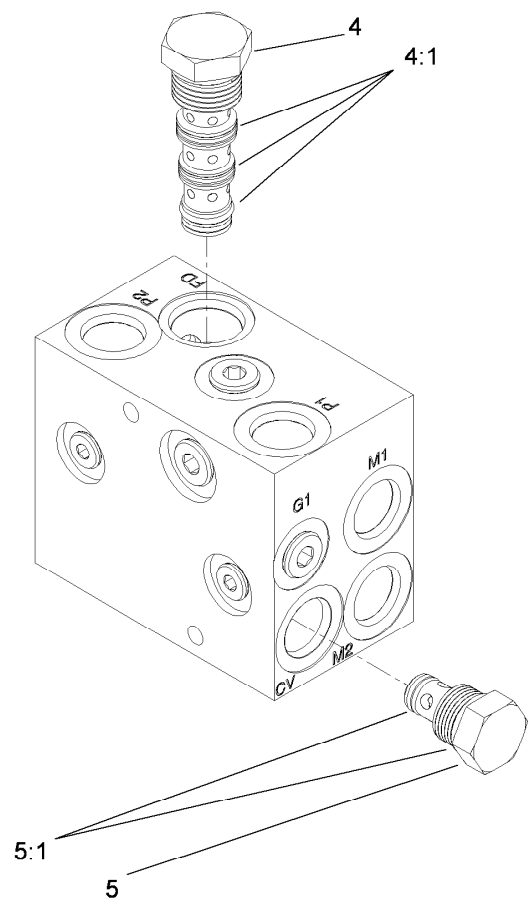
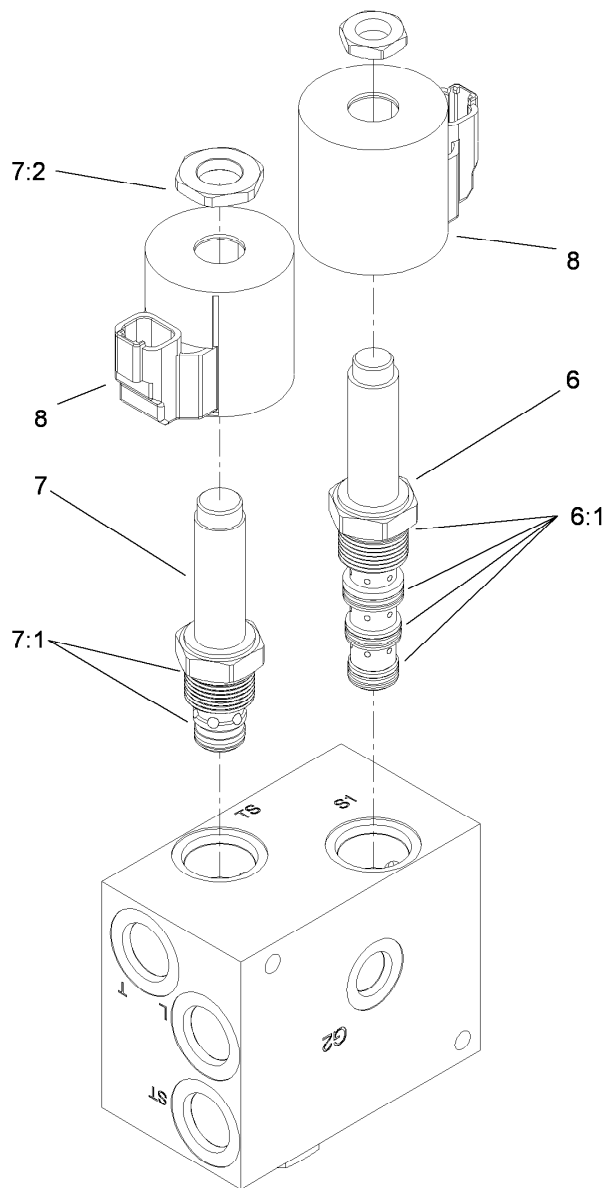


Traction Manifold Assembly No. 112-9124

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

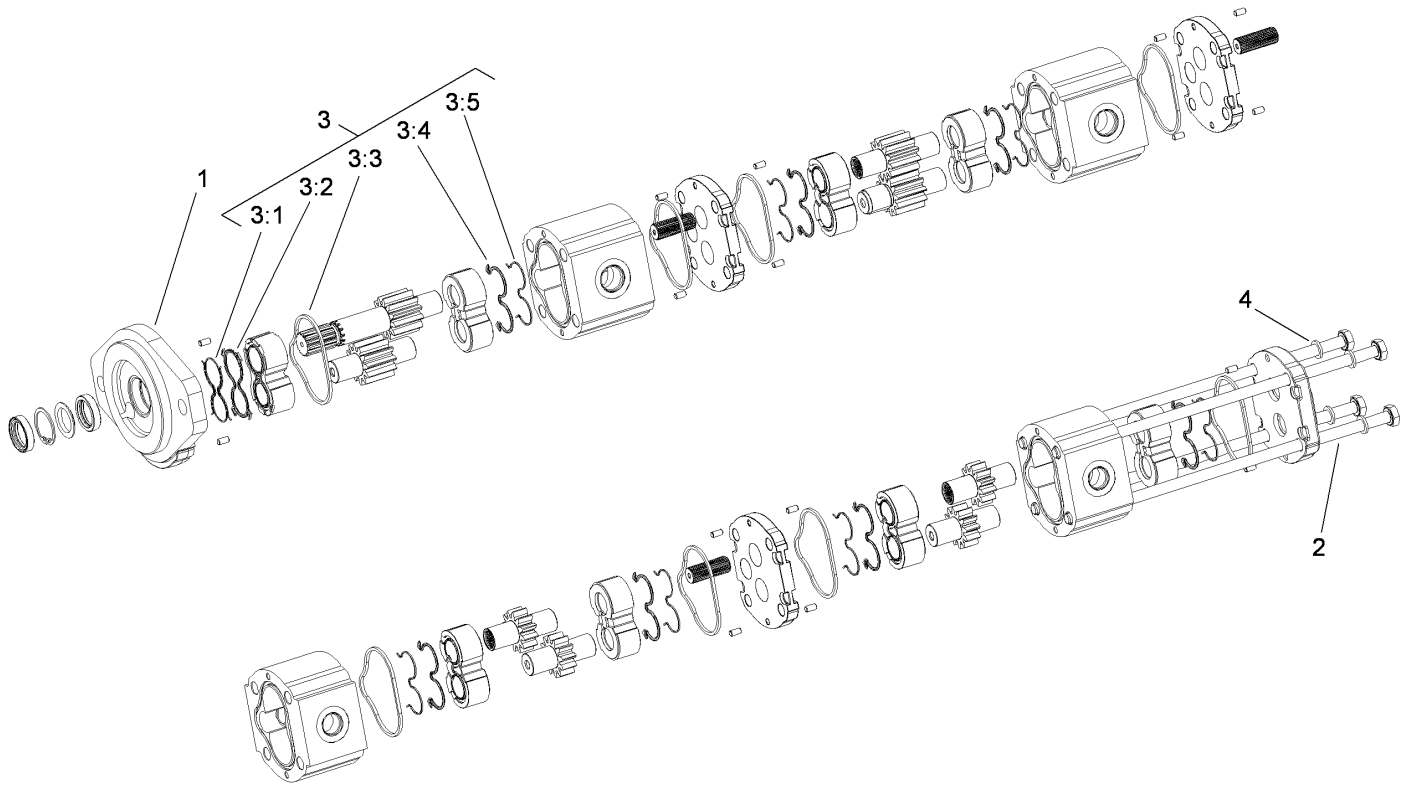
● Not serviced separately

■ Used in Groundsmaster 4000 Series



Fan Drive Manifold Assembly No. 114-3847

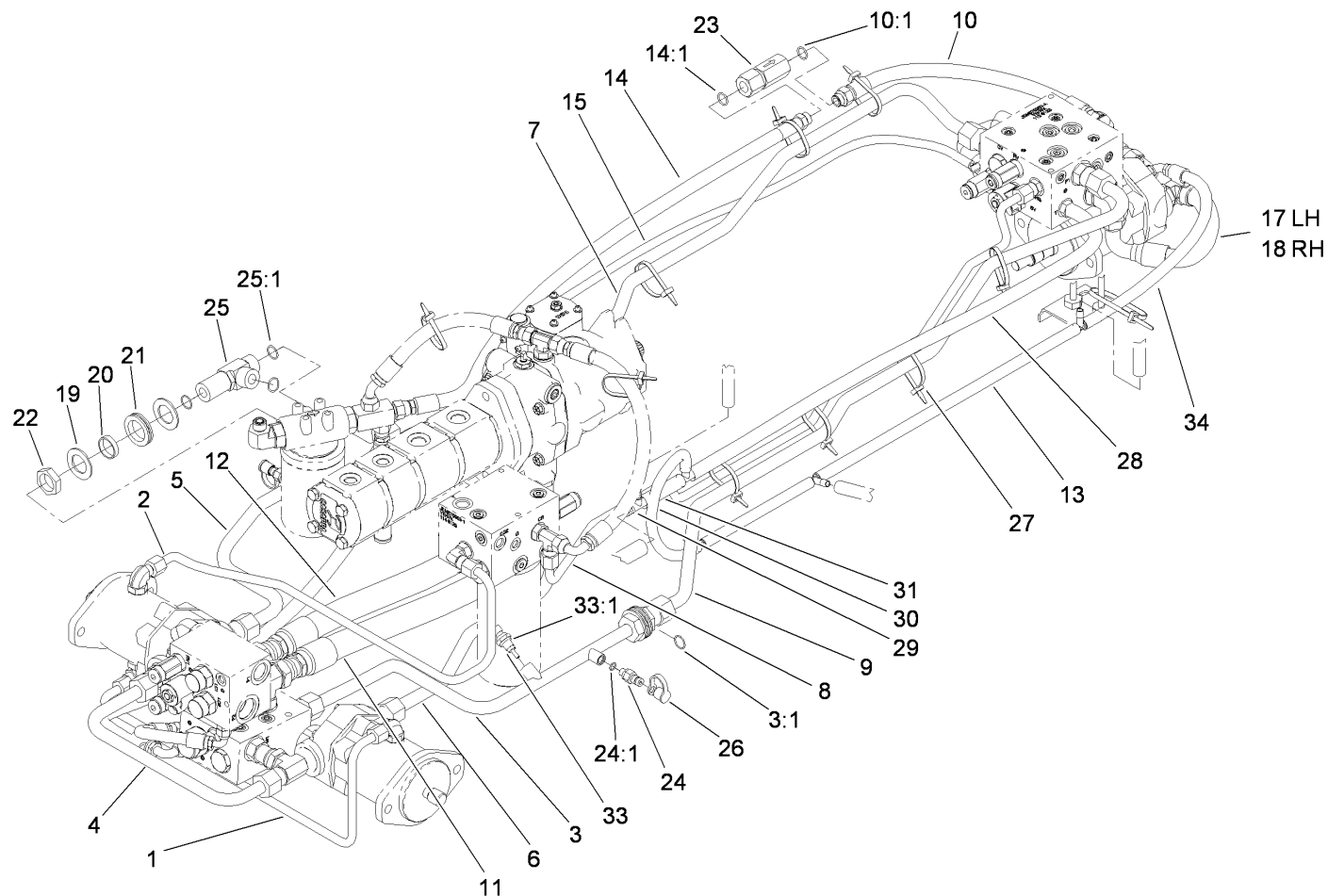
Ref.	Part Number	Qty.	Description
4	115-3024	1	Valve-Flow Divider/Combiner
4:1	115-3025	1	Seal Kit
5	105-9321	1	Check Valve ASM
5:1	105-9156	1	Seal Kit
6	115-3023	1	Solenoid Valve ASM
6:1	110-8908	1	Spool Valve Seal Kit
7	115-3022	1	Relief-Proportional
7:1	110-6316	1	Seal Kit
7:2	119-7715	1	Nut-Coil
8	110-6344	2	Coil-12V, DC



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

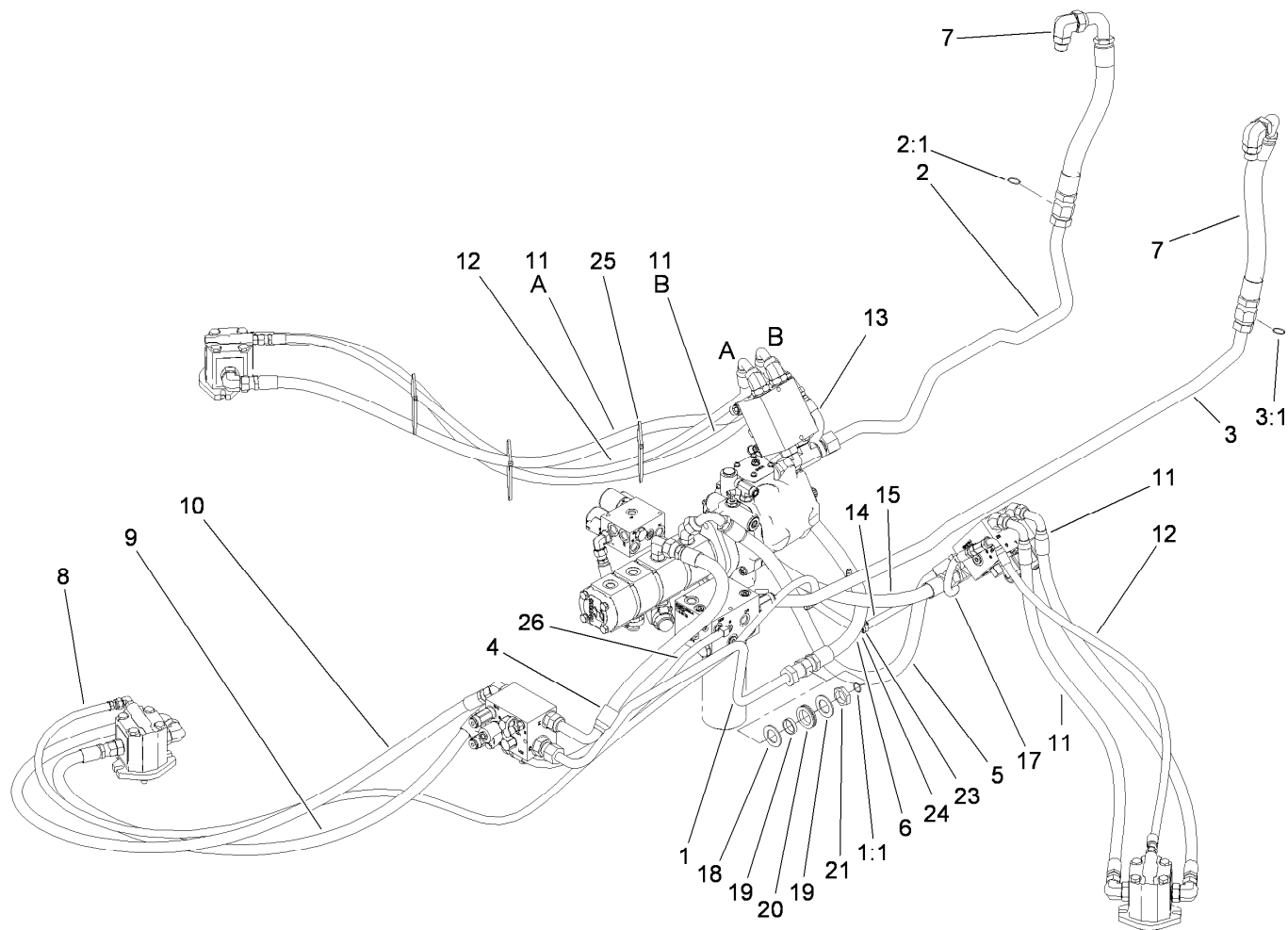
● Not serviced separately



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
8	115-8453	1	Tube-HYD, Charge LH
9	115-3769	1	Tube-HYD, Traction LH
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

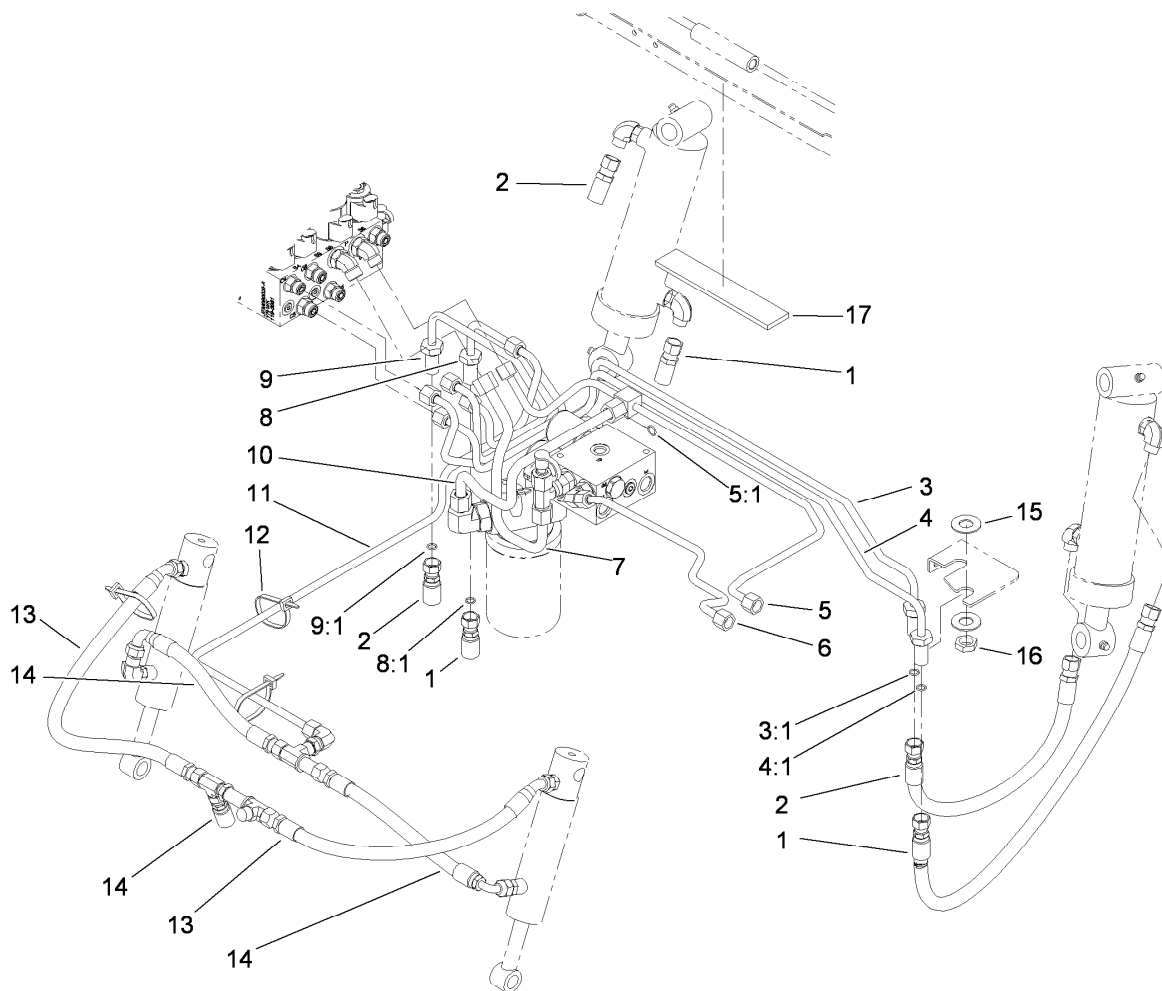
Ref.	Part Number	Qty.	Description
17	100-5579	1	Hose ASM
18	104-3502	1	Hose ASM
19	69-8910	4	Washer
20	69-8900	2	Spacer
21	240-7	2	Grommet-Rubber
22	340-126	2	Nut-Bulkhead
23	100-5600	1	Valve-Check
24	354-77	2	Fitting-Quick
24:1	237-78	1	O-Ring
25	104-3558	1	Fitting-Bulkhead
25:1	237-58	3	O-Ring
26	354-79	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

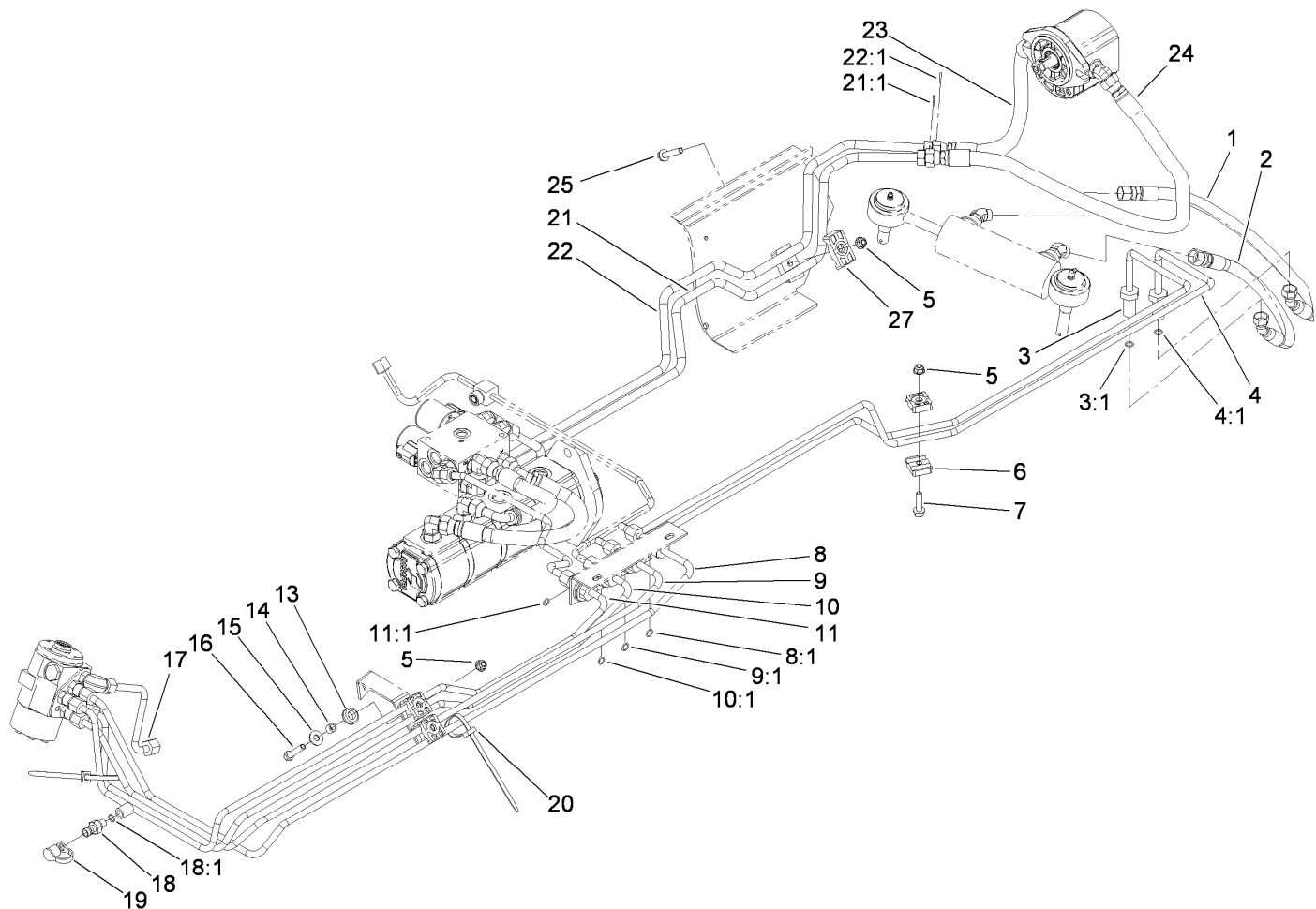
Ref.	Part Number	Qty.	Description
1	104-0795	1	Tube-HYD, Front PTO
1:1	237-58	1	O-Ring
2	104-0796	1	Tube-HYD, RH Cooler
2:1	340-65	1	O-Ring
3	115-8452	1	HYD Tube ASM
3:1	340-65	1	O-Ring
4	95-0961	1	Hose ASM
5	114-3837	1	Hose ASM
6	115-3772	1	Hose ASM
7	115-3771	2	Hose ASM
8	112-9126	1	Hose ASM
9	104-2261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

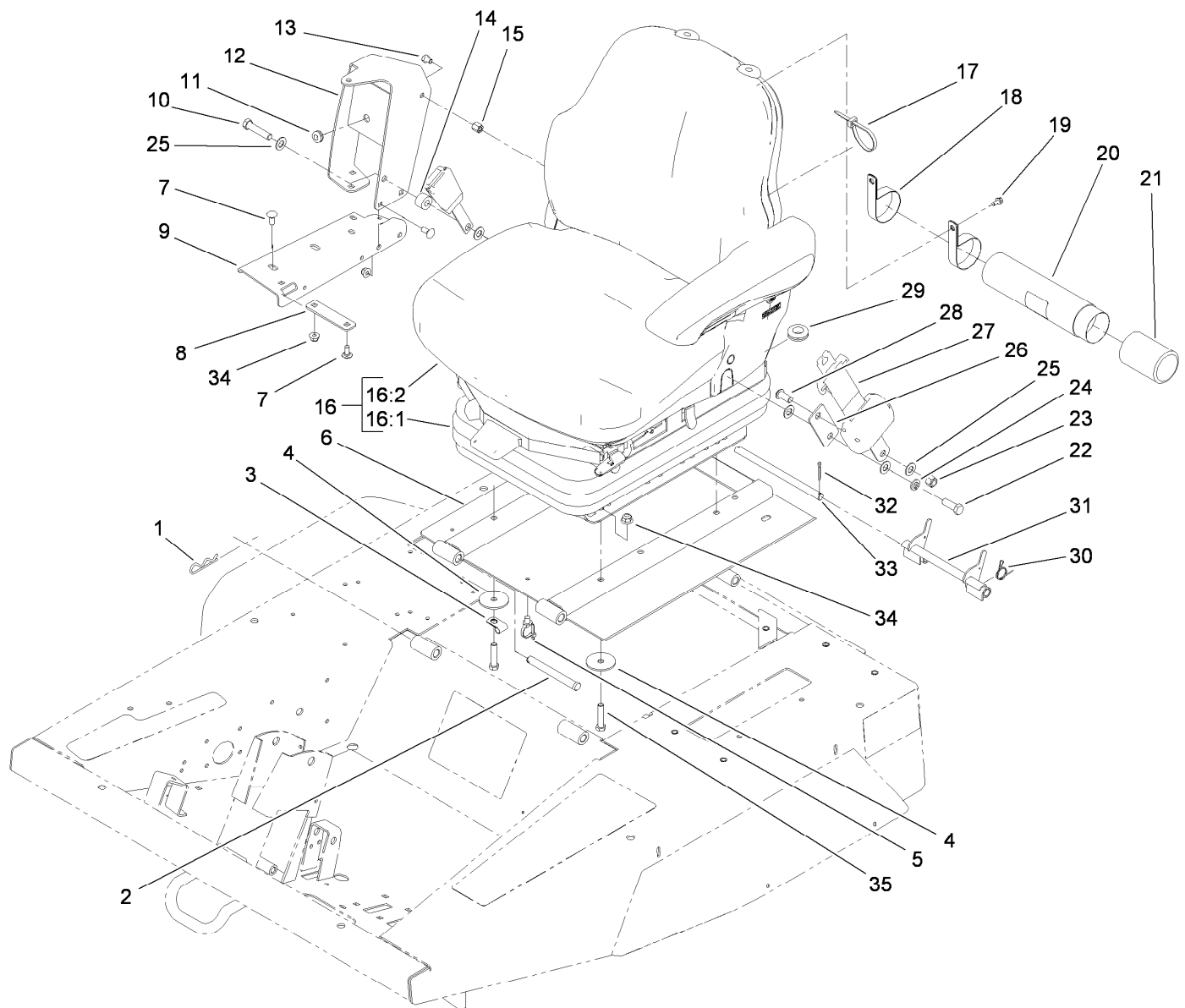
Ref.	Part Number	Qty.	Description
1	100-5629	2	Hose ASM
2	100-5630	2	Hose ASM
3	117-5683	1	HYD Tube ASM
3:1	237-22	1	O-Ring
4	117-5682	1	HYD Tube ASM
4:1	237-22	1	O-Ring
5	117-5681	1	HYD Tube ASM
5:1	237-30	1	O-Ring
6	117-5688	1	Hydraulic Tube ASM
7	117-5680	1	HYD Tube ASM
8	117-5685	1	HYD Tube ASM
8:1	237-22	1	O-Ring
9	117-5686	1	HYD Tube ASM
9:1	237-22	1	O-Ring
10	117-5687	1	HYD Tube ASM
11	117-5684	1	Hydraulic Tube ASM
12	3290-378	5	Tie-Cable
13	92-7595	2	Hose-HYD
14	104-2234	3	Hose-HYD
15	69-8940	8	Washer
16	340-70	4	Nut-Lock
17	100-8524	1	Strip-Foam



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	4	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

Ref.	Part Number	Qty.	Description
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	2	Tie-Cable
21	115-8481	1	HYD Tube ASM
21:1	237-30	1	O-Ring
22	115-8482	1	HYD Tube ASM
22:1	237-30	1	O-Ring
23	117-5692	1	HYD Hose ASM
24	106-9676	1	HYD Hose ASM
25	94-5780	1	Screw-HWH
27	56-7976	2	Clamp-Tube



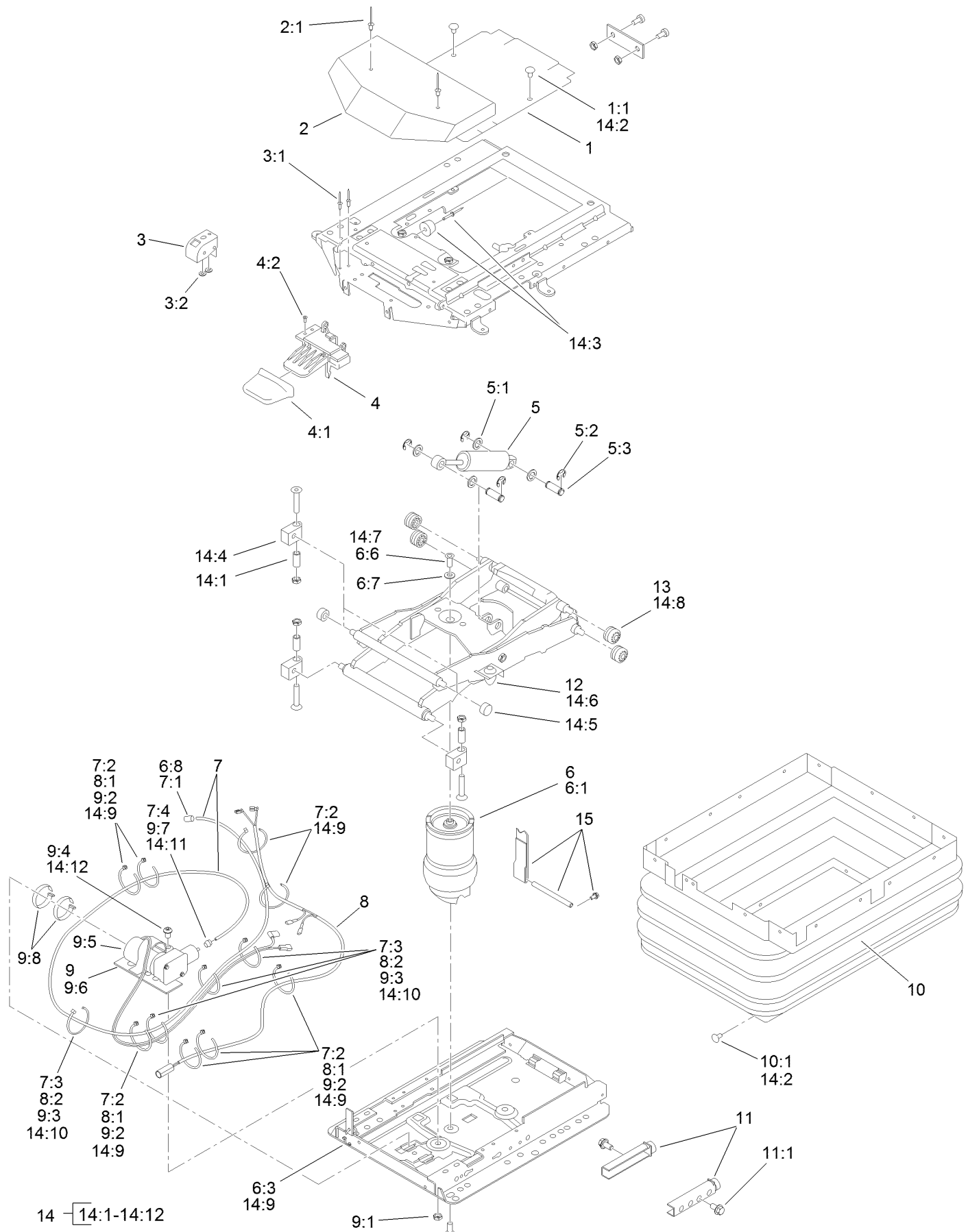
Seat Base and Seat Assembly

Ref.	Part Number	Qty.	Description
1	3290-355	2	Pin-Hair
2	283-83	2	Pin-Clevis
3	2412-113	2	Clamp-R
4	83-1040	4	Washer-Flat
5	32180-030	1	Clip-Tie
6	117-5727-03	1	Plate-Seat
7	3230-23	6	Bolt-CARR
8	112-7449-03	1	Bracket-Support
9	119-0000-03	1	Channel-Support
10	3212-8	1	Screw-HH
11	237-136	1	Grommet
12	117-4798-03	1	Arm-Support
13	108-8646	1	Screw-HH, Lock
14	17-7190	1	Spacer-Finger
15	112-7405	1	Nut-Hex, Coupling
16		1	Seat And Suspension ASM
16:1	108-1488	1	Seat Suspension ASM
16:2	117-5676	1	Premium Seat ASM

Ref.	Part Number	Qty.	Description
17	3290-378	2	Tie-Cable
18	2412-133	2	Clamp-R
19	32104-116	2	Screw-HWHTF
20	104-7050	1	Tube-Manual
21	104-7048	1	Cap-Housing
22	3212-5	1	Screw-HH
23	3296-48	1	Nut-Hex
24	3253-6	1	Washer-Lock
25	3256-25	5	Washer-Flat
26	108-1516	1	Mount-Belt, Seat
27	110-0413	1	Seatbelt-Retractable
28	3274-105	1	Screw-HSBH
29	100-4866	1	Grommet
30	93-5367	1	Spring-Torsion
31	115-6696	1	Latch
32	3272-11	2	Pin-Cotter
33	93-5366	1	Shaft-Latch
34	104-8301	4	Nut-HF, NI
35	323-9	4	Screw-HH

● Not serviced separately

Air Ride Seat Suspension Assembly No. 108-1488

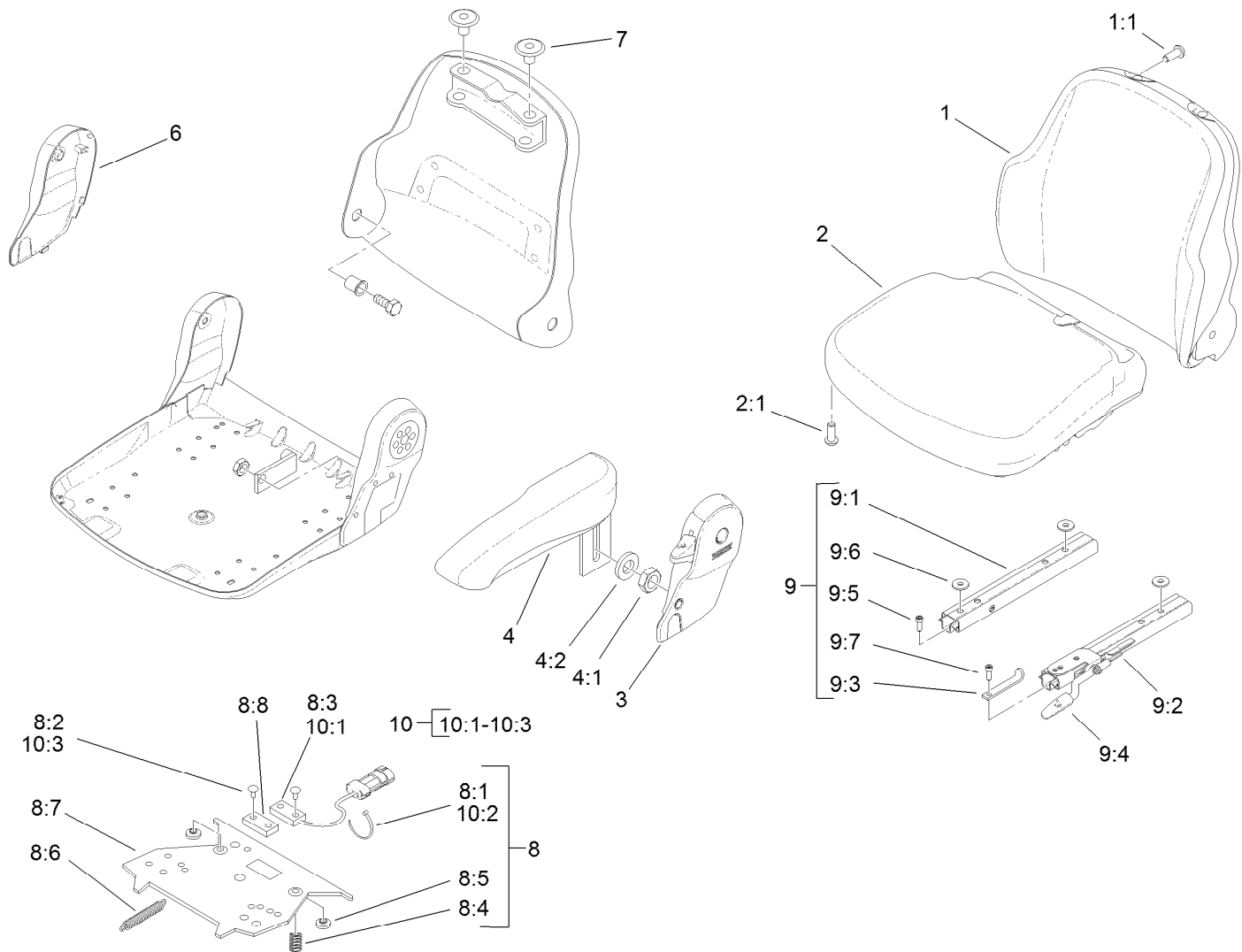


Air Ride Seat Suspension Assembly No. 108-1488 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-8026	1	Cover ASM	9:1		1	Nut ■
1:1	39-5710	2	Plug-Plastic	9:2		5	Tie-Wire ■
2	108-8027	1	Cover	9:3		4	Tie-Wire ■
2:1		2	Rivet ■	9:4		1	Screw ■
3	108-8028	1	Level Indicator Kit	9:5		1	Compressor ■
3:1		2	Rivet ■	9:6		1	Plate-Mounting ■
3:2		2	Washer ■	9:7		1	Nipple-Hose ■
4	108-8029	1	Valve-Control, Air	9:8		2	Clamp ■
4:1		1	Handle ■	10	108-8035	1	Bellows ASM
4:2		3	Screw ■	10:1	39-5710	23	Plug-Plastic
5	108-8030	1	Shock Absorber Kit	11	108-8036	1	Stop Kit
5:1		4	Washer ■	11:1		2	Screw ■
5:2		4	C-Clip ■	12	107-1213	2	Bumper Set
5:3		2	Pin ■	13	108-8037	4	Roller
6	108-8031	1	Air Spring Kit	14	108-8038	1	Wear Parts Kit ●
6:1		1	Air Spring ■	14:1		4	Spacer ■
6:3		2	Cable Tie ■	14:2	39-5710	2	Plug-Plastic
6:6		2	Screw ■	14:3		1	Bumper ■
6:7		1	Washer ■	14:4		4	Support-Housing ■
6:8		1	Nipple-Hose ■	14:5		2	Roller ■
7	108-8032	1	Air Tube ASM	14:6	107-1213	2	Bumper Set
7:1		1	Nipple-Hose ■	14:7		2	Screw ■
7:2		7	Tie-Wire ■	14:8	108-8037	4	Roller
7:3		4	Tie-Wire ■	14:9		9	Tie-Wire ■
7:4		1	Nipple-Hose ■	14:10		4	Tie-Wire ■
8	108-8033	1	Connecting Cable ASM	14:11		1	Nipple-Hose ■
8:1		8	Tie-Wire ■	14:12		1	Screw ■
8:2		4	Tie-Wire ■	15	119-2161	1	Tether Kit
9	108-8034	1	Compressor Kit				

● Not illustrated

■ Not serviced separately

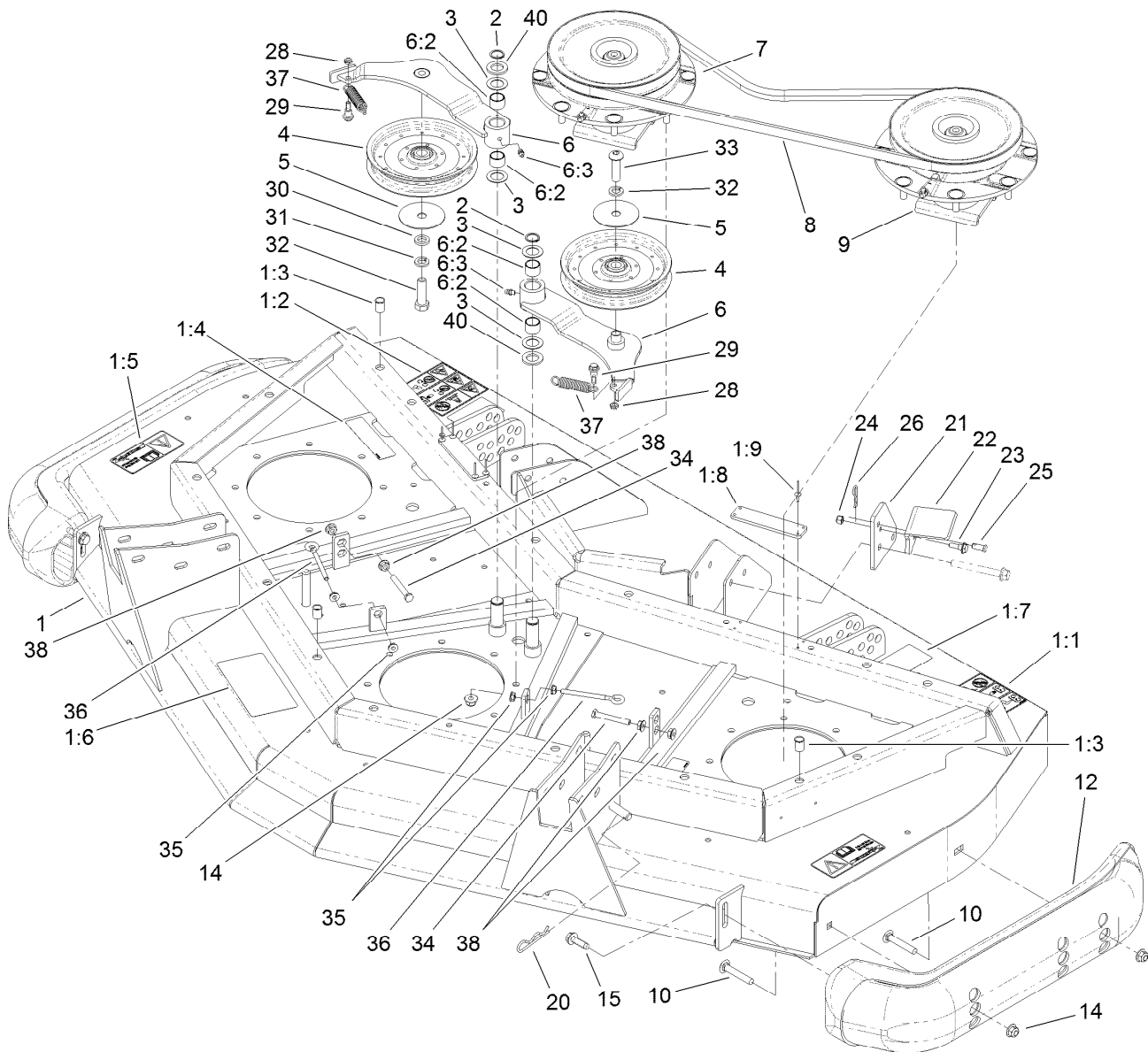


Vinyl Premium Seat Assembly No. 117-5676

Ref.	Part Number	Qty.	Description
1	108-8016	1	Backrest Cushion ASM
1:1	119-7742	4	Screw-Cushion
2	108-8017	1	Seat Cushion ASM
2:1	119-7742	3	Screw-Cushion
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
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	Sensor-Seat Switch ●
8:4		2	Spring-Compression ●
8:5		2	Bumper-Pressure Plate ●

Ref.	Part Number	Qty.	Description
8:6		1	Spring-Extension ●
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 ●

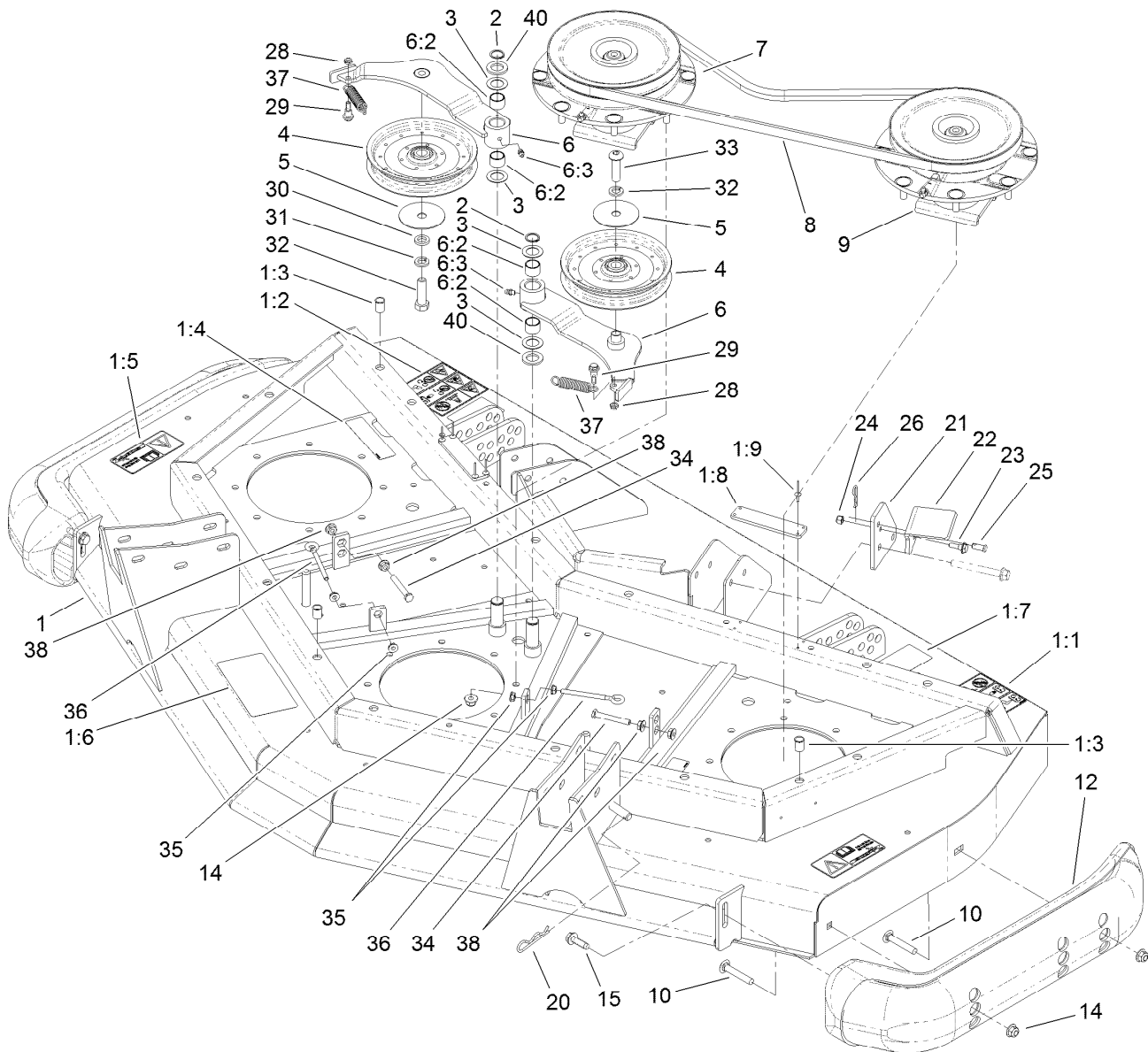
● Not serviced separately



Front Deck, Idler and Skid Assembly

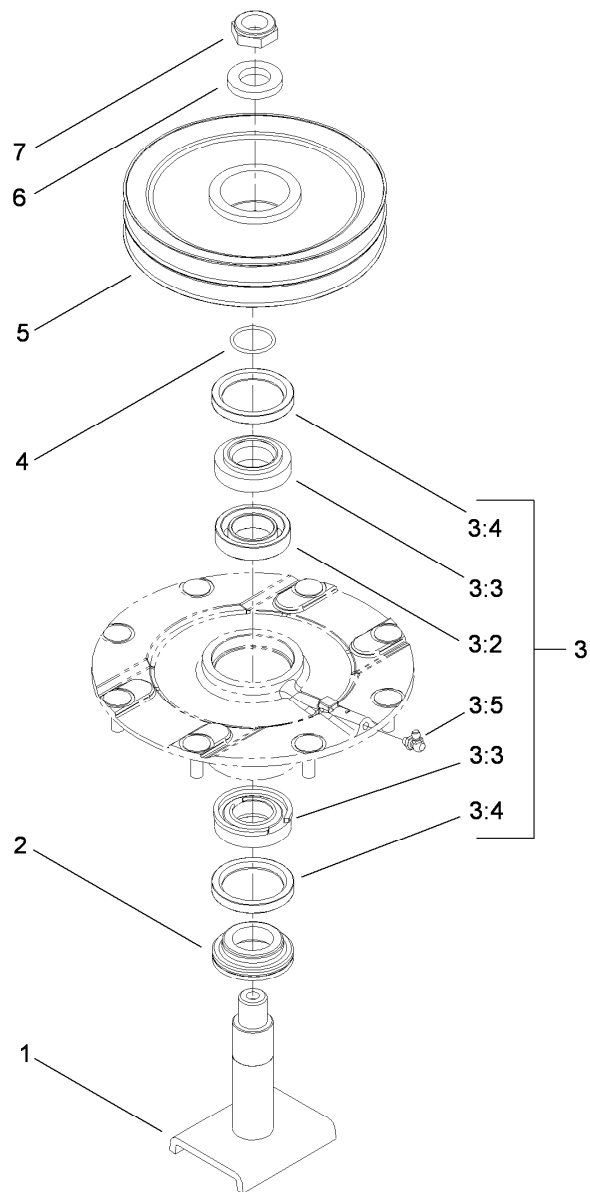
Ref.	Part Number	Qty.	Description
1	120-4052	1	Front Deck ASM
1:1	120-6604	2	Decal-Danger
1:2	100-5624	1	Decal-HOC, RH
1:3	32148-9	3	Nut-Clinch
1:4	100-6578	4	Decal-Danger
1:5	93-7818	2	Decal-Torque, Blade Bolt
1:6	100-5622	1	Decal-HOC
1:7	104-3578	1	Decal-HOC, LH
1:8	105-0786	2	Pad-Plastic
1:9	3269-8	8	Rivet-Blind
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	119-4548	1	Double Driven Spindle ASM
8	108-8076	2	V-Belt, Deck
9	119-4549	1	High-Driven Spindle ASM
10	3231-33	4	Screw-CARR

Ref.	Part Number	Qty.	Description
12	112-1479	2	Skid-Bumper, Deck
14	104-8301	24	Nut-HF, NI
15	9136144	2	Screw-HWHTF
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
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



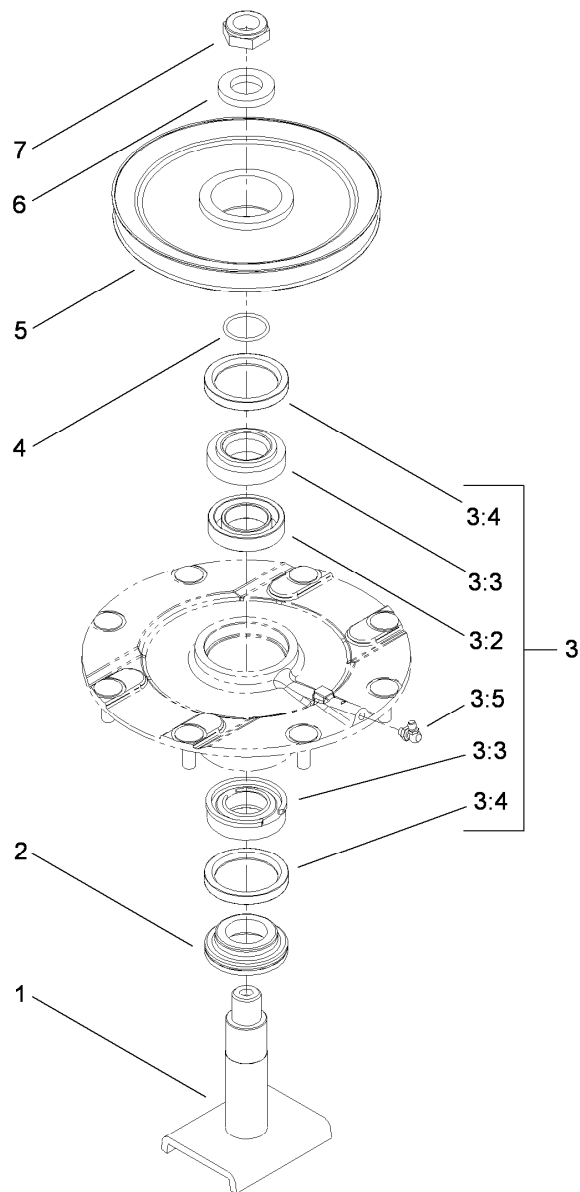
Front Deck, Idler and Skid Assembly (continued)

Ref.	Part Number	Qty.	Description
38	32128-26	4	Nut-HF
40	70-1160	2	Washer



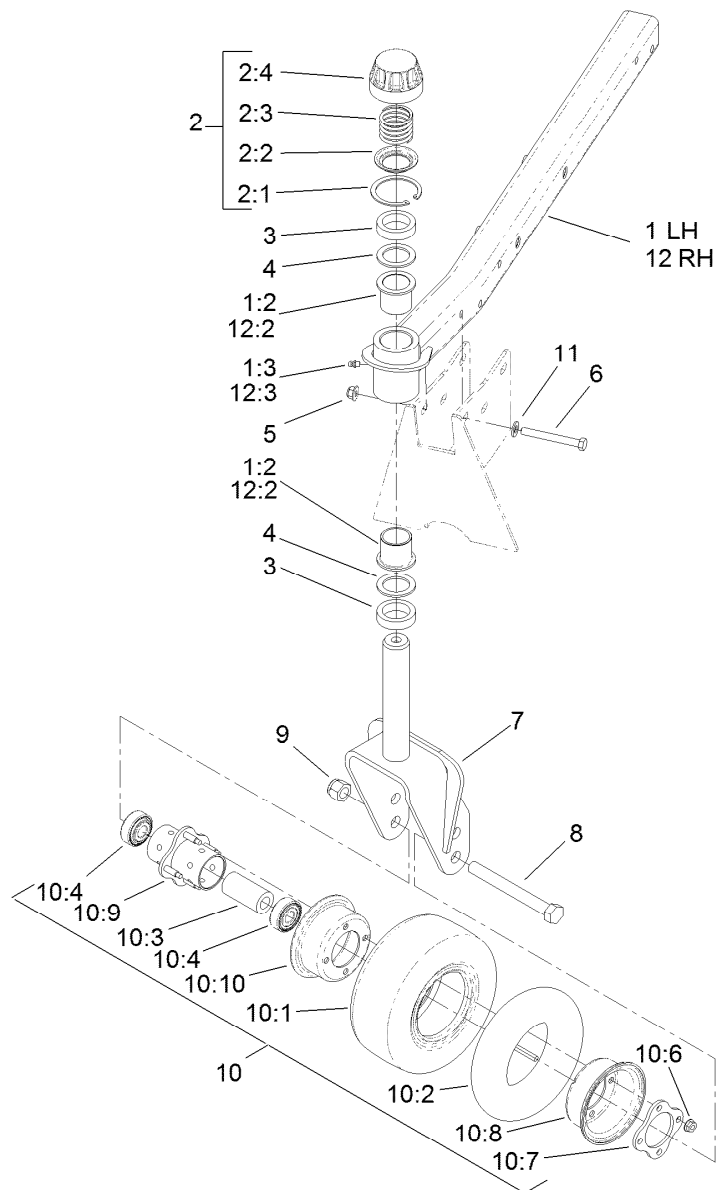
Double Driven Spindle Assembly No. 119-4548

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-3554	1	Shaft-Spindle
2	69-6950	1	Spacer-Shaft, Spindle
3	119-4775	1	Spindle Housing ASM
3:2	104-3549	1	Bearing Spacer Set
3:3	110-8297	1	Bearing ASM
3:4	253-154	2	Seal-Oil
3:5	302-60	1	Fitting-Grease
4	106-7159	1	O-Ring
5	104-3547	1	Pulley-Driven, Double
6	104-8322	1	Washer-Hardened
7	3296-60	1	Nut-Lock, NI



High Driven Spindle Assembly No. 119-4549

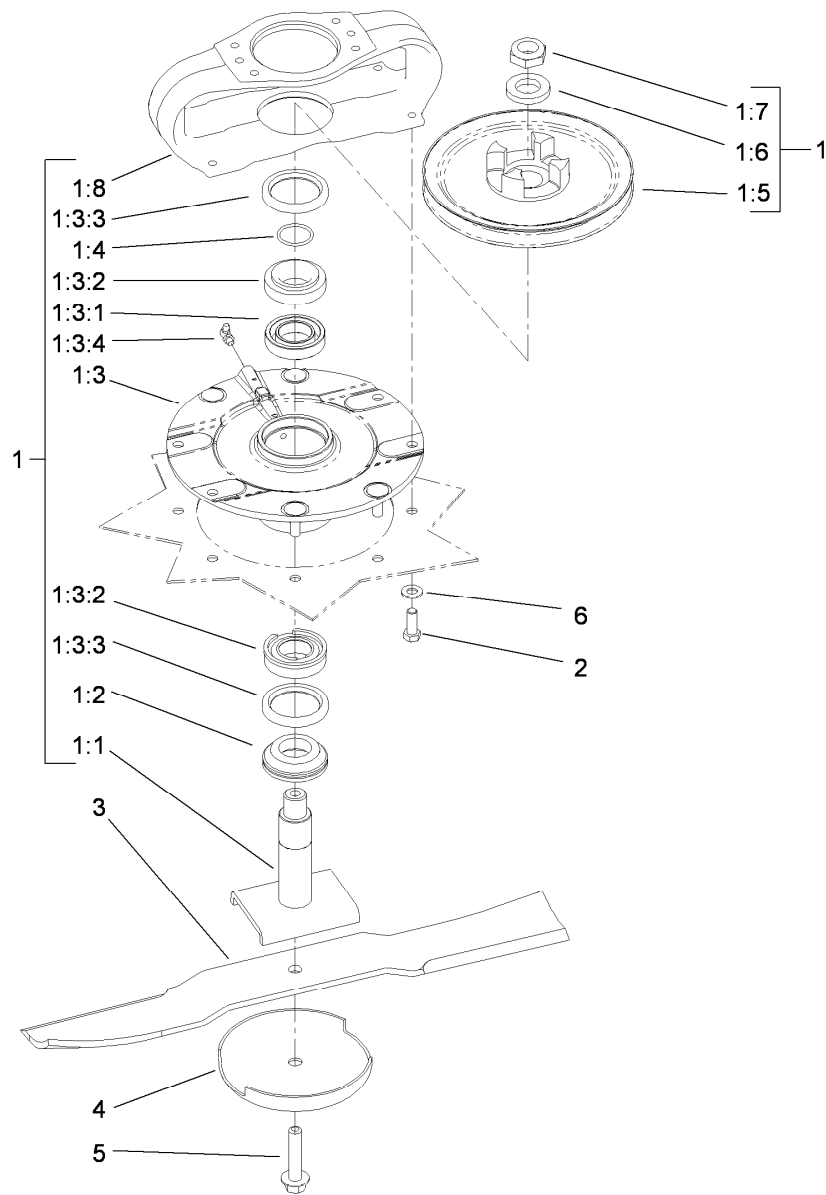
Ref.	Part Number	Qty.	Description
1	104-3554	1	Shaft-Spindle
2	69-6950	1	Spacer-Shaft, Spindle
3	119-4775	1	Spindle Housing ASM
3:2	104-3549	1	Bearing Spacer Set
3:3	110-8297	1	Bearing ASM
3:4	253-154	2	Seal-Oil
3:5	302-60	1	Fitting-Grease
4	106-7159	1	O-Ring
5	104-3548	1	Pulley-Driven, High
6	104-8322	1	Washer-Hardened
7	3296-60	1	Nut-Lock, NI



Front Deck Caster Arm and Wheel Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	100-8092	1	Front LH Castor Arm ASM	10	93-9938	2	Wheel ASM
1:2	69-6470	2	Bushing-Caster	10:1	93-9939	1	Tire
1:3	302-5	1	Fitting-Grease	10:2	68-8950	1	Tube-Inner (W/Valve)
2	92-9727	2	HOC Cap ASM	10:3	93-4241	1	Spacer-Bearing, Inner
2:1	92-5581	1	Ring-Rtng,Snap,Int,Flat	10:4	120-3366	2	Bearing
2:2	92-5583	1	Washer-Cap	10:6	32128-16	4	Nut-HHF
2:3	92-9726	1	Spring-Compression	10:7	93-4242	1	Plate
2:4	92-8861	1	Cap-HOC	10:8	93-4239	1	Rim-Wheel, Half
3	69-1510	10	Spacer	10:9	93-5980	1	Hub
4	69-6860	4	Washer-Thrust	10:10	95-2741	1	Rim-Wheel, Half
5	104-8301	10	Nut-HF, NI	11	3256-24	10	Washer-Flat
6	323-20	10	Screw-HH	12	100-8091	1	Front RH Castor Arm ASM
7	104-0762-01	2	Fork-Castor	12:2	69-6470	2	Bushing-Caster
8	327-24	2	Screw-HH	12:3	302-5	1	Fitting-Grease
9	3296-53	2	Nut-Lock, NI				
10	93-5974	2	8 Inch Foam Filled Wheel ASM ●				

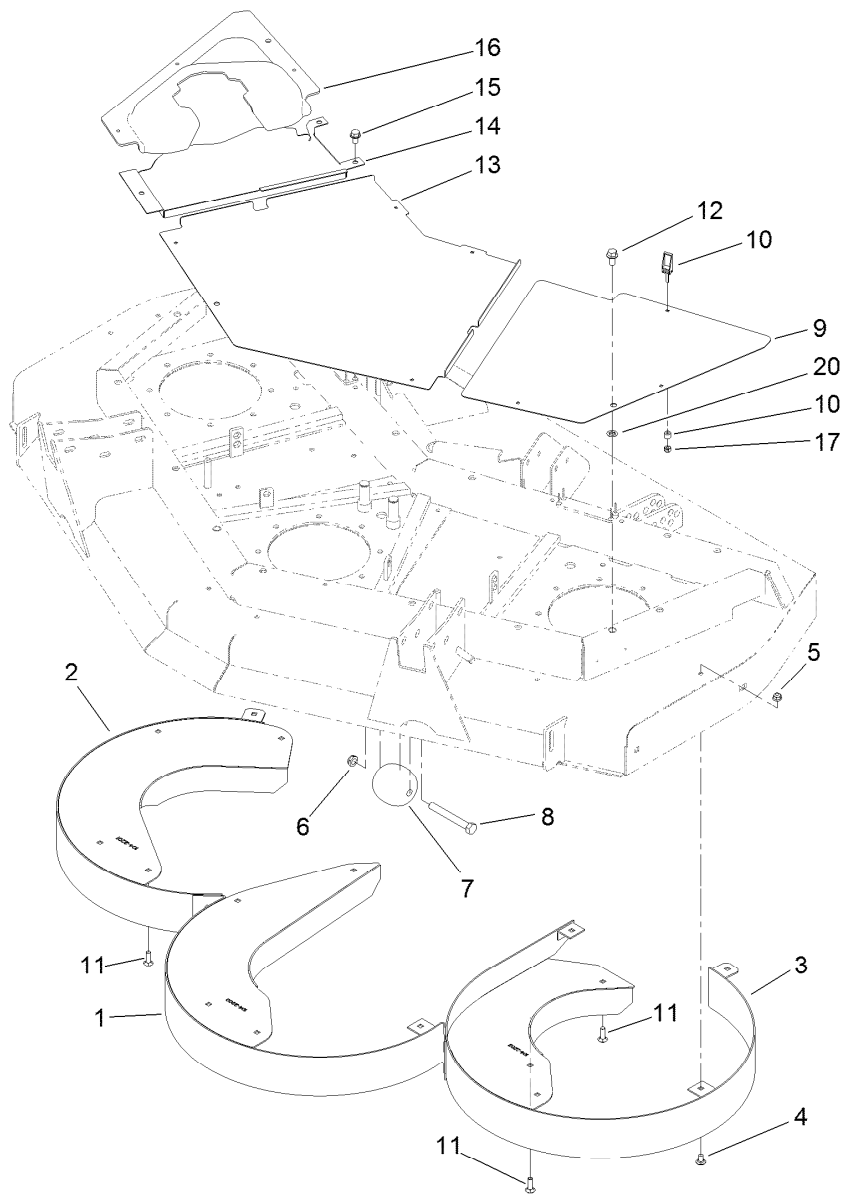
● Optional Equipment



Front Spindle Installation Assembly

Ref.	Part Number	Qty.	Description
1	119-4547	1	Driving Spindle ASM
1:1	104-3554	1	Shaft-Spindle
1:2	69-6950	1	Spacer-Shaft, Spindle
1:3	119-4546	1	Spindle Housing ASM
1:3:1	104-3549	1	Bearing Spacer Set
1:3:2	110-8297	1	Bearing ASM
1:3:3	253-154	2	Seal-Oil
1:3:4	302-60	1	Fitting-Grease
1:4	106-7159	1	O-Ring

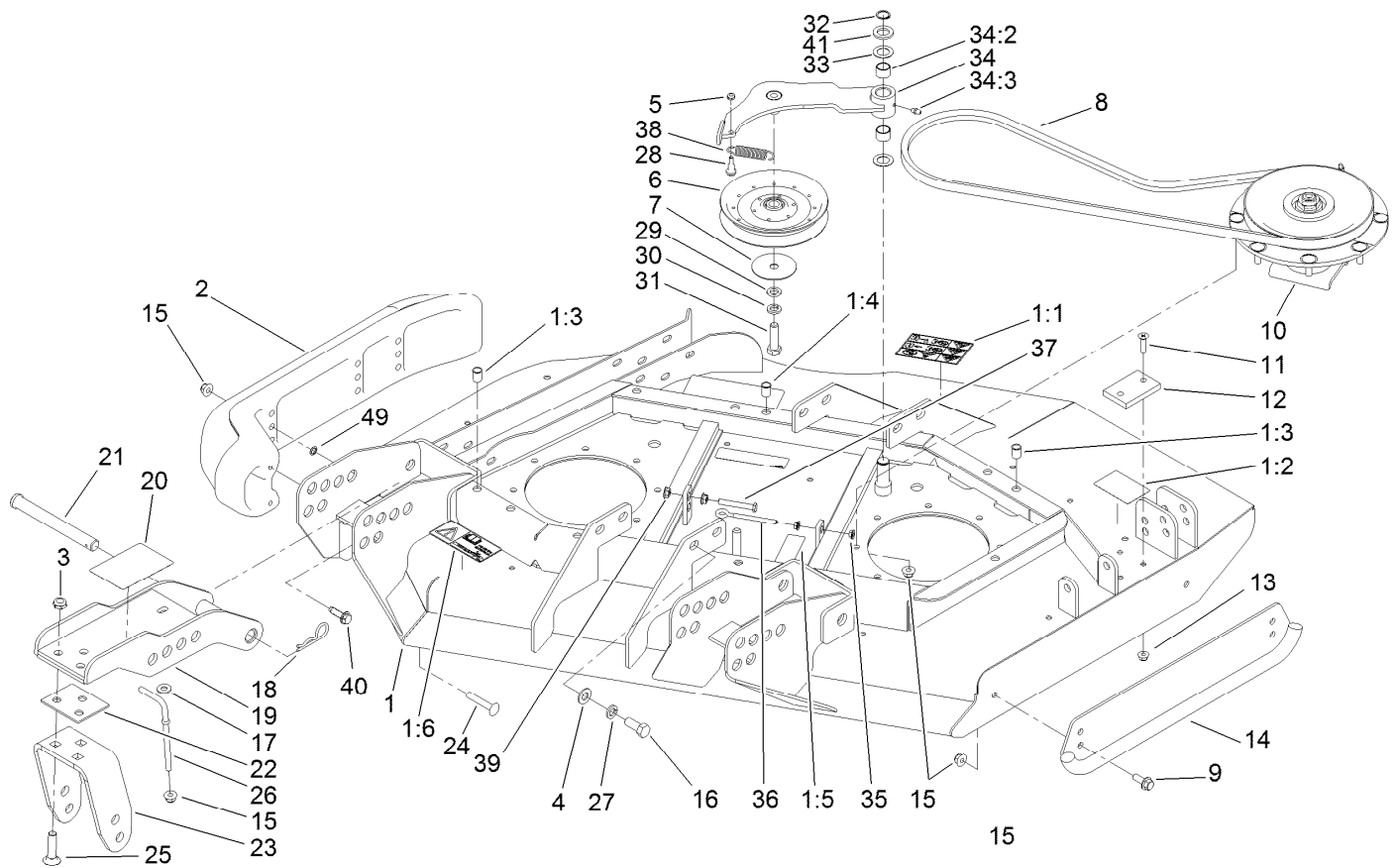
Ref.	Part Number	Qty.	Description
1:5	104-3545	1	Pulley-Driving
1:6	104-8322	1	Washer-Hardened
1:7	3296-60	1	Nut-Lock, NI
1:8	104-3544	1	Mount-Motor, Drive
2	323-6	4	Screw-HH
3	92-5608-03	3	Blade
4	72-9361	3	Cup-Scalp, Anti
5	92-5816	3	Bolt-Blade
6	3256-24	4	Washer-Flat



Front Deck 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

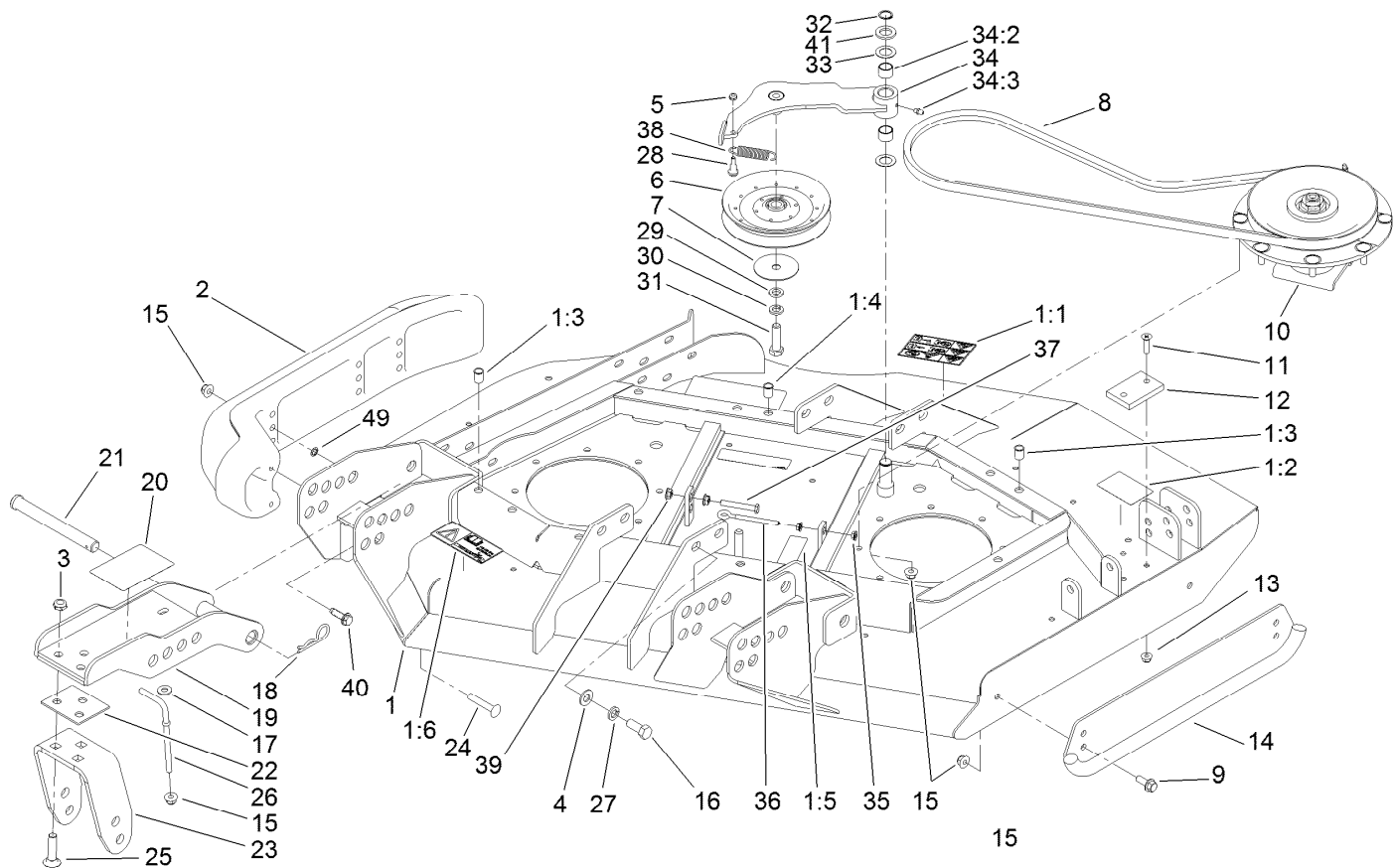
Ref.	Part Number	Qty.	Description
10	74-5950	10	Latch-Swell
11	3230-22	3	Screw-CARR
12	3234-1	3	Screw-HHF
13	100-5660-03	1	Cover-Front, Center
14	100-5662-03	1	Cover-Front, RH
15	32144-69	3	Screw-HWHTF
16	100-5661	1	Cover-Front, Center
17	1-804254	10	Nut-Lock, HH
20	107-3154	3	Nut-Push



Right Deck, Idler and Skid Assembly

Ref.	Part Number	Qty.	Description
1	120-4062	1	Right Deck ASM
1:1	120-6604	1	Decal-Danger
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	112-1479	1	Skid-Bumper, Deck
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	2	Screw-HHF
10	119-4776	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

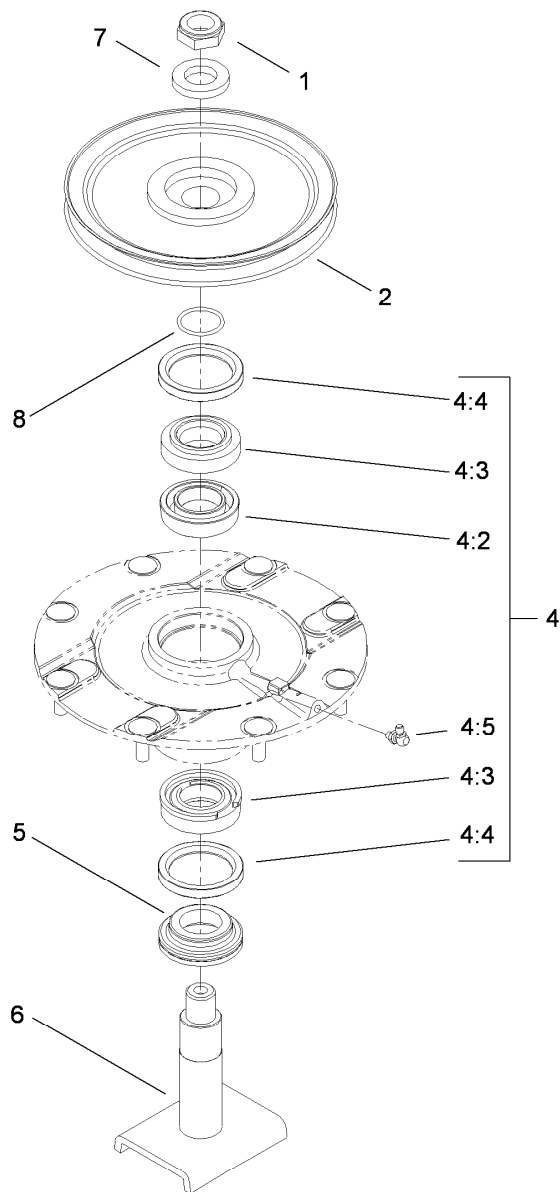
Ref.	Part Number	Qty.	Description
16	325-5	8	Screw-HH
17	3256-3	2	Washer-Flat
18	3290-343	4	Pin-Hair
19	104-7529-01	2	Bracket-Castor
20	100-5623	1	Decal-HOC
21	100-5569	4	Pin-Clevis
22	104-7524	8	Shim
23	104-7525-01	2	Bracket-Fork
24	3231-33	2	Screw-CARR
25	3233-4	6	Screw-CARR
26	106-2047	2	Rod-Tension
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



Right Deck, Idler and Skid Assembly (continued)

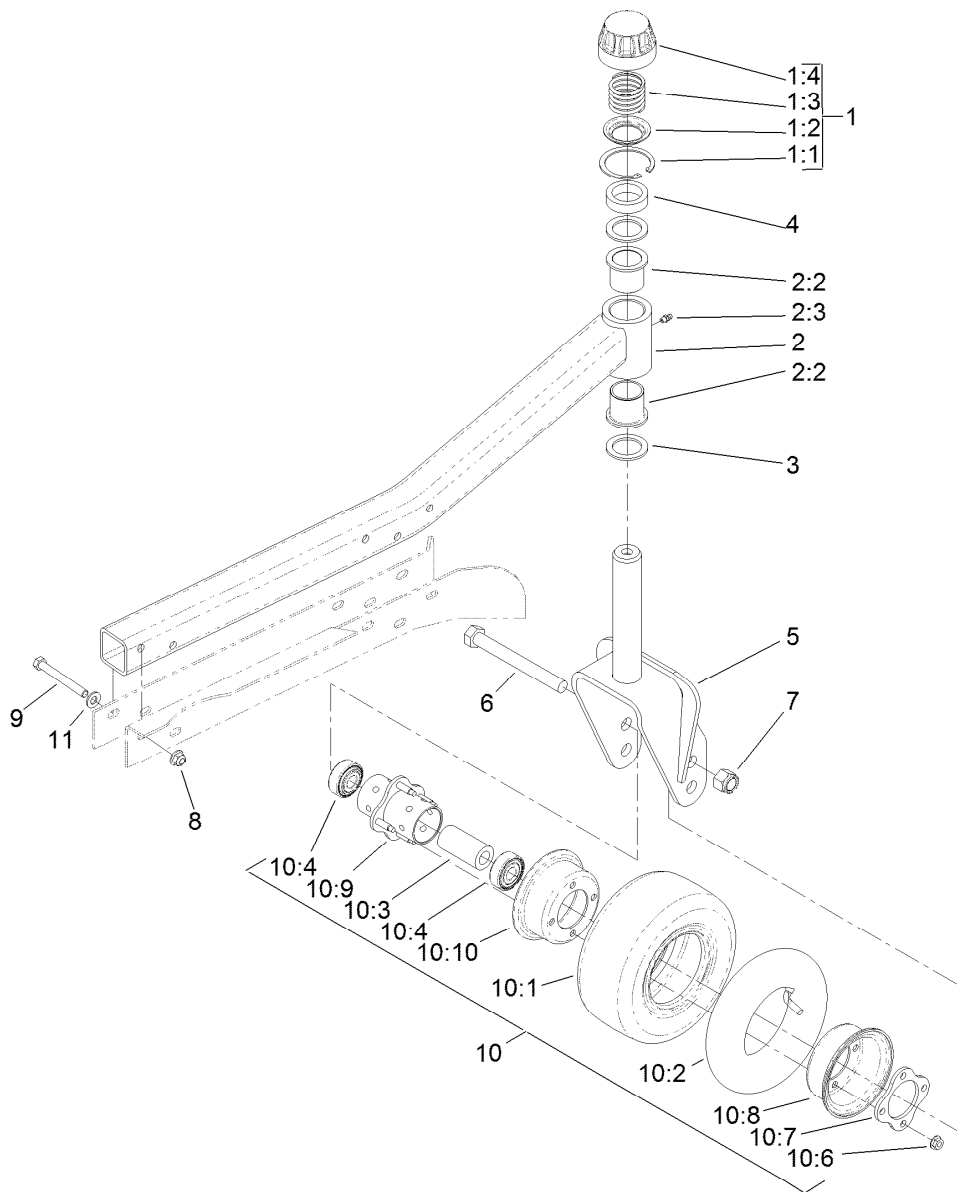
Ref.	Part Number	Qty.	Description
35	32128-14	2	Nut-HF
36	68-0090	1	Screw-Adjusting
37	9114524	1	Bolt-TAP, HH
38	107938	1	Spring-Extension

Ref.	Part Number	Qty.	Description
39	32128-26	2	Nut-HF
40	9136144	1	Screw-HWHTF
41	70-1160	1	Washer
49	32151-72	2	Ring-Retaining



Low Driven Spindle Assembly No. 119-4776

Ref.	Part Number	Qty.	Description
1	3296-60	1	Nut-Lock, NI
2	104-3546	1	Pulley-Driven, Low
4	119-4775	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

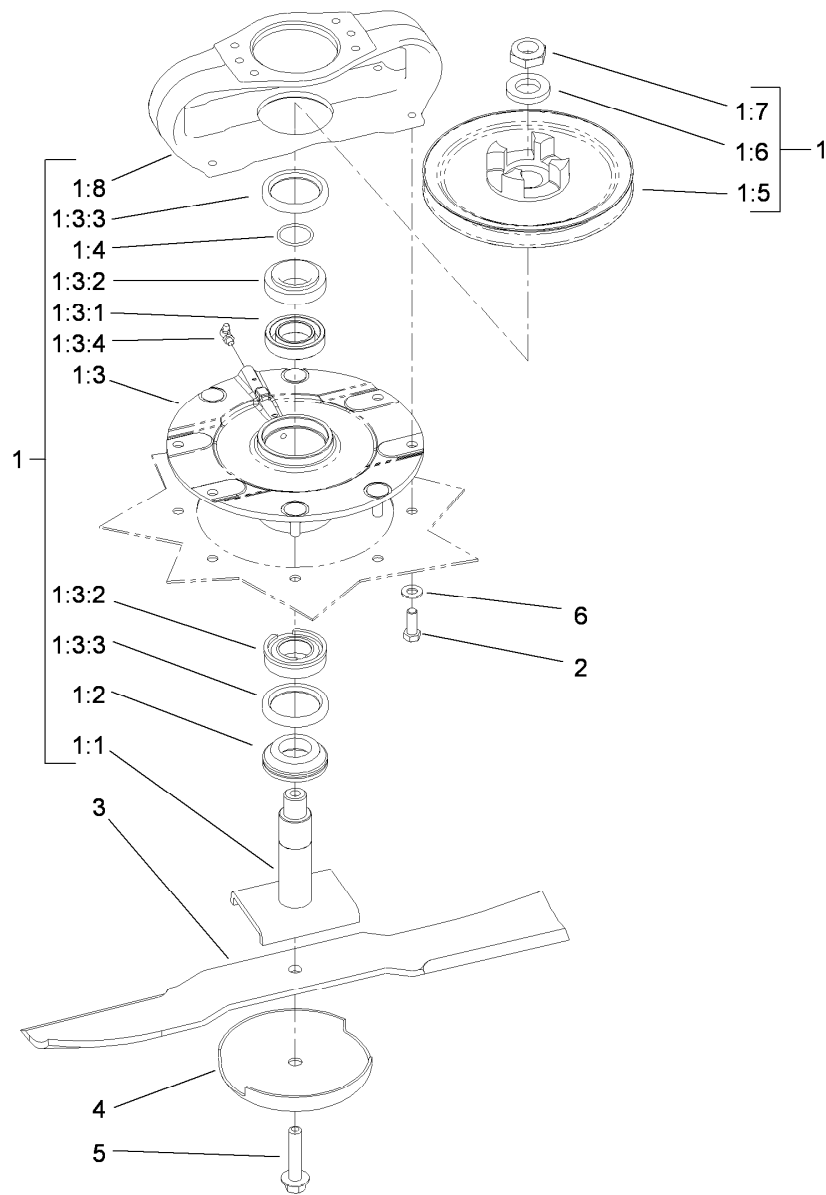


Right Hand and Left Hand Castor Arm and Wheel Assembly

Ref.	Part Number	Qty.	Description
1	92-9727	1	HOC Cap ASM
1:1	92-5581	1	Ring-Rtng,Snap,Int,Flat
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-Caster
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	323-20	5	Screw-HH
10	93-5974	3	8 Inch Foam Filled Wheel ASM ●
10	93-9938	3	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	120-3366	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

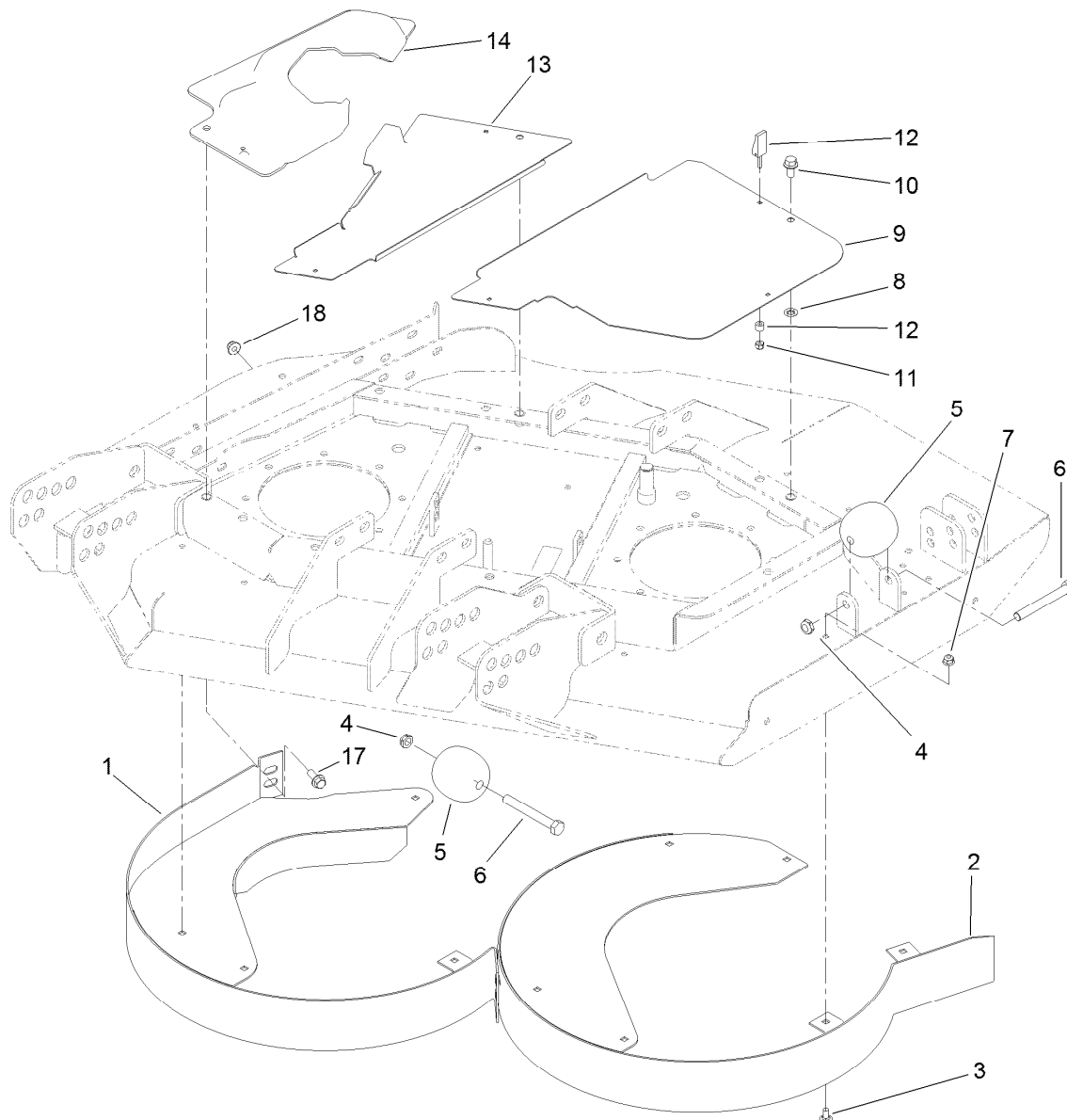
● Optional Equipment



Spindle Installation Assembly

Ref.	Part Number	Qty.	Description
1	119-4547	1	Driving Spindle ASM
1:1	104-3554	1	Shaft-Spindle
1:2	69-6950	1	Spacer-Shaft, Spindle
1:3	119-4546	1	Spindle Housing ASM
1:3:1	104-3549	1	Bearing Spacer Set
1:3:2	110-8297	1	Bearing ASM
1:3:3	253-154	2	Seal-Oil
1:3:4	302-60	1	Fitting-Grease
1:4	106-7159	1	O-Ring

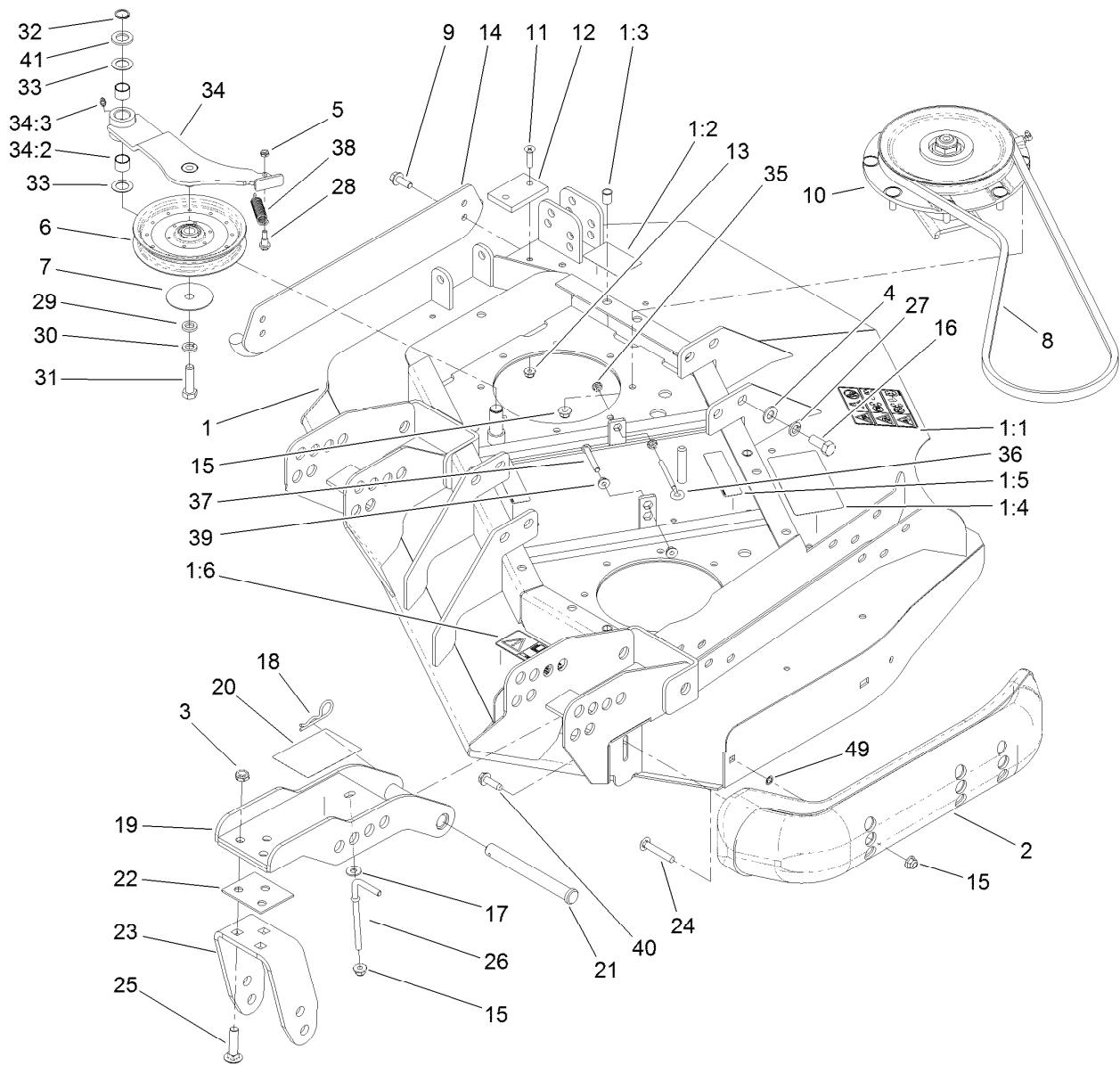
Ref.	Part Number	Qty.	Description
1:5	104-3545	1	Pulley-Driving
1:6	104-8322	1	Washer-Hardened
1:7	3296-60	1	Nut-Lock, NI
1:8	104-3544	1	Mount-Motor, Drive
2	323-6	4	Screw-HH
3	92-5608-03	2	Blade
4	72-9361	2	Cup-Scalp, Anti
5	92-5816	2	Bolt-Blade
6	3256-24	4	Washer-Flat



Right Deck Discharge Chamber and Cover Assembly

Ref.	Part Number	Qty.	Description
1	120-4131-01	1	Chamber-Outer
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
8	107-3154	3	Nut-Push

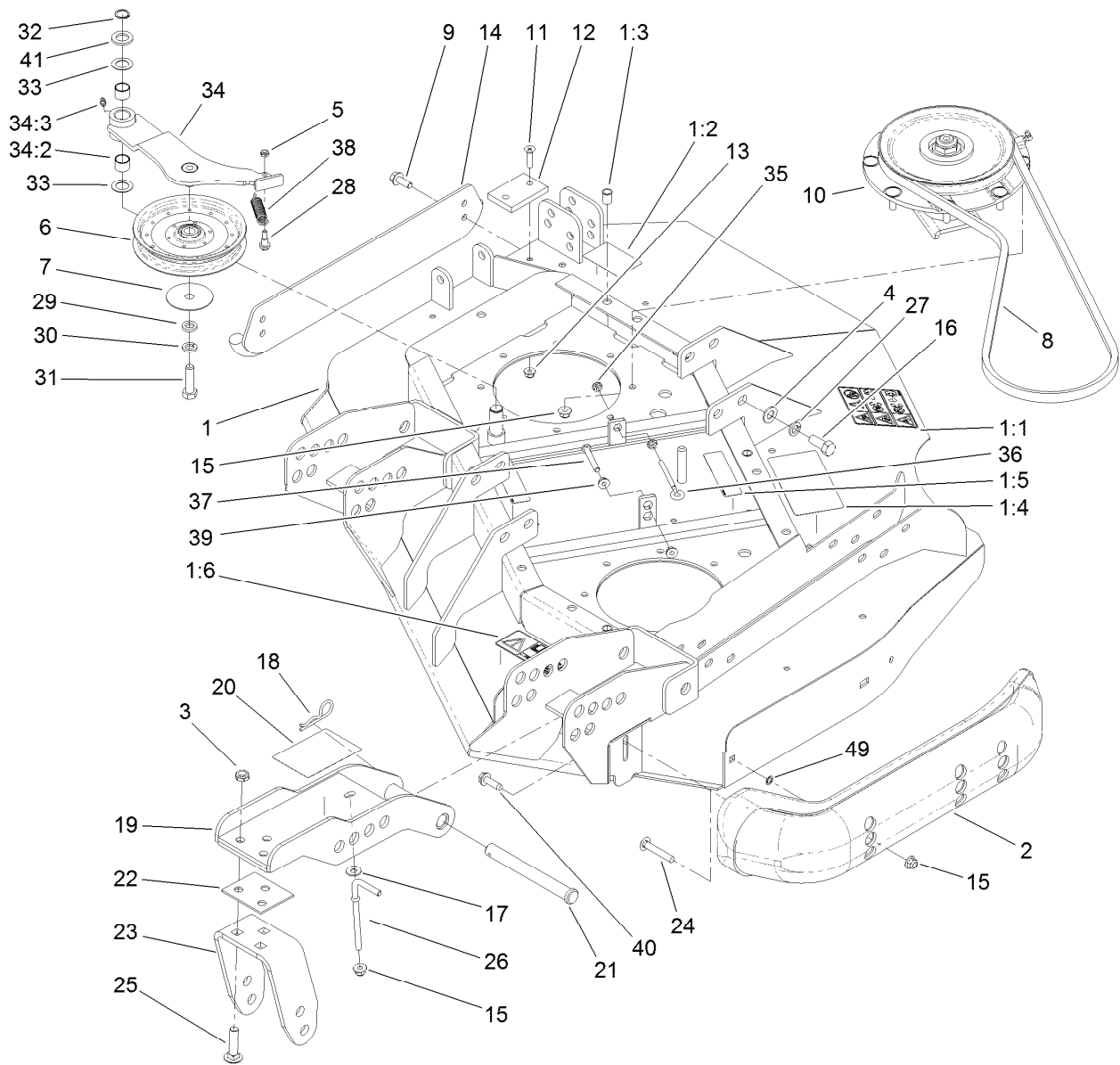
Ref.	Part Number	Qty.	Description
9	100-5668-03	1	Plate-Cover, RH Side
10	3234-1	3	Screw-HHF
11	1-804254	7	Nut-Lock, HH
12	74-5950	7	Latch-Swell
13	100-5665-03	1	Plate-Cover, RH
14	100-5666	1	Cover-Motor, RH Deck
17	3234-42	1	Screw-HHF
18	104-8301	1	Nut-HF, NI



Left Deck Idler and Skid Assembly

Ref.	Part Number	Qty.	Description
1	120-4072	1	Left Deck ASM
1:1	120-6604	1	Decal-Danger
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	112-1479	1	Skid-Bumper, Deck
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	2	Screw-HHF
10	119-4776	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

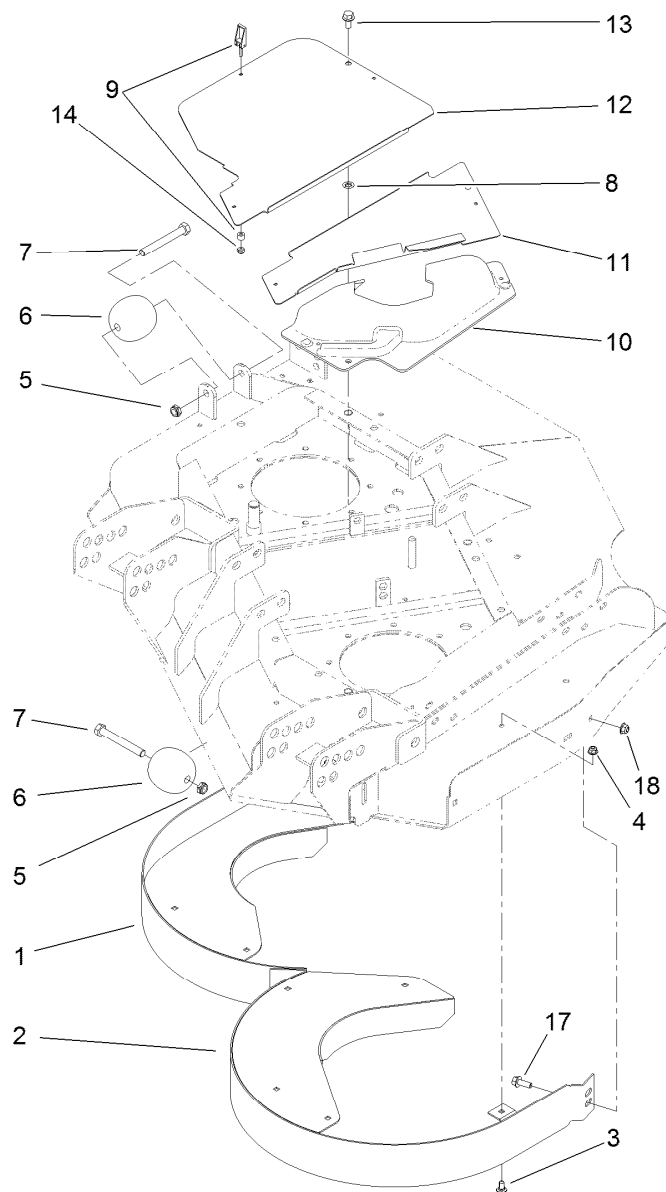
Ref.	Part Number	Qty.	Description
16	325-5	8	Screw-HH
17	3256-3	2	Washer-Flat
18	3290-343	4	Pin-Hair
19	104-7529-01	2	Bracket-Castor
20	104-3579	1	Decal-HOC
21	100-5569	4	Pin-Clevis
22	104-7524	8	Shim
23	104-7525-01	2	Bracket-Fork
24	3231-33	2	Screw-CARR
25	3233-4	6	Screw-CARR
26	106-2047	2	Rod-Tension
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



Left Deck Idler and Skid Assembly (continued)

Ref.	Part Number	Qty.	Description
35	32128-14	2	Nut-HF
36	68-0090	1	Screw-Adjusting
37	9114524	1	Bolt-TAP, HH
38	107938	1	Spring-Extension

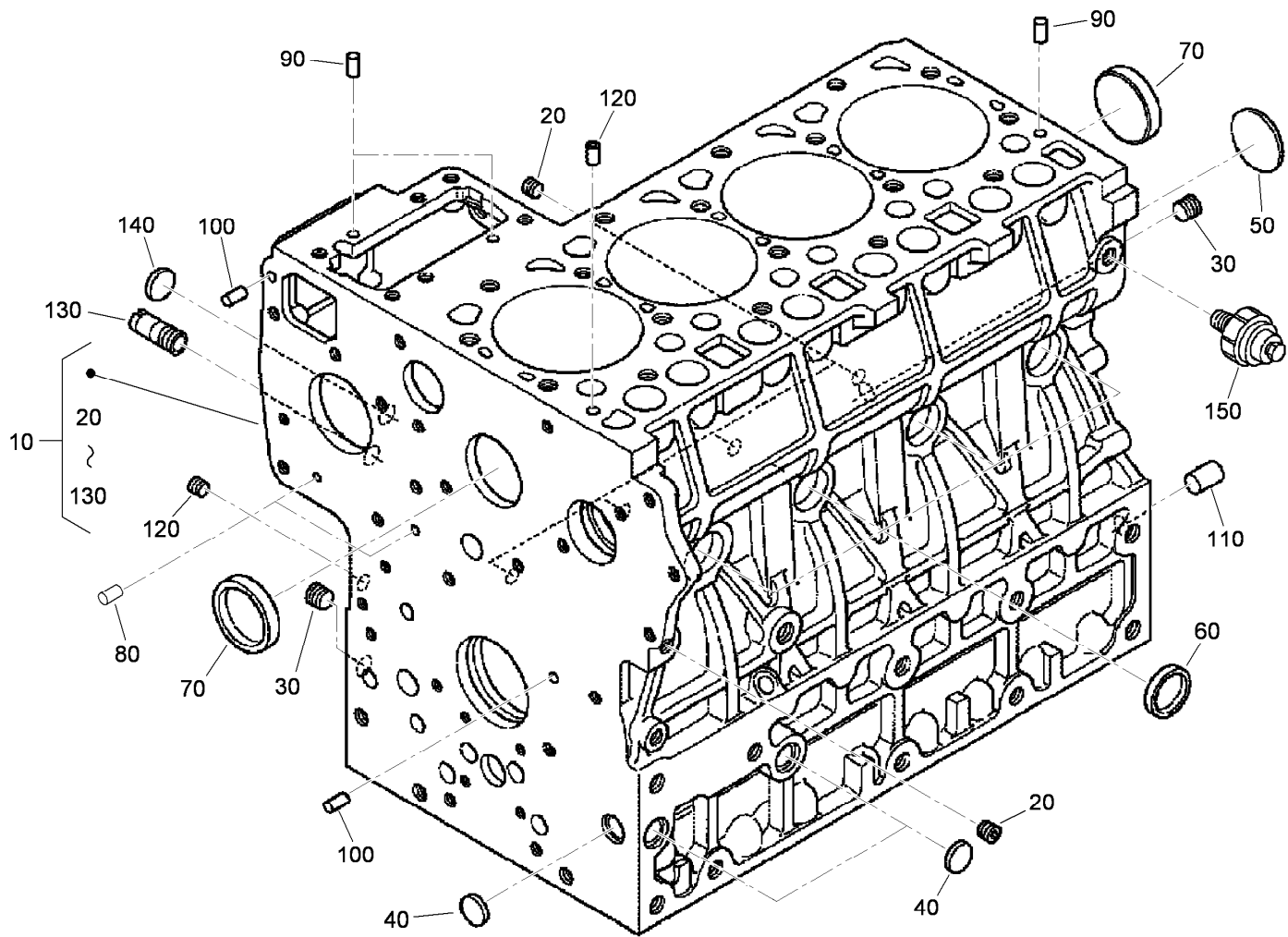
Ref.	Part Number	Qty.	Description
39	32128-26	2	Nut-HF
40	9136144	1	Screw-HWHTF
41	70-1160	1	Washer
49	32151-72	2	Ring-Retaining



Left Deck Discharge Chamber and Cover Assembly

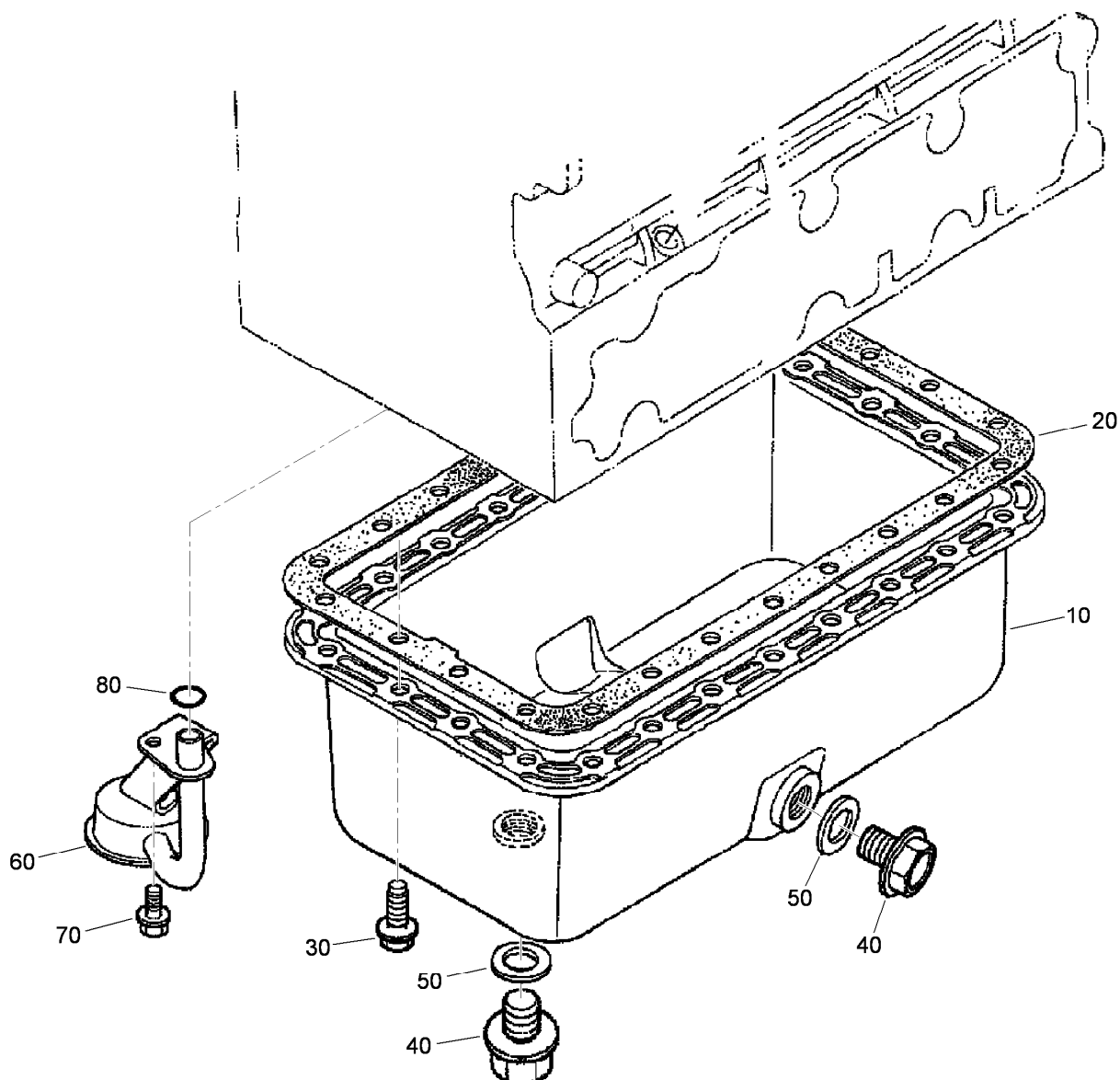
Ref.	Part Number	Qty.	Description
1	104-2205-01	1	Chamber-Inner
2	120-4132-01	1	Chamber-Outer
3	3230-18	9	Screw-CARR
4	104-8300	9	Nut-HF, NI
5	3296-45	2	Nut-Hex
6	29-4820	2	Roller
7	325-17	2	Screw-HH
8	107-3154	3	Nut-Push

Ref.	Part Number	Qty.	Description
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	3234-1	3	Screw-HHF
14	1-804254	7	Nut-Lock, HH
17	3234-42	1	Screw-HHF
18	104-8301	1	Nut-HF, NI



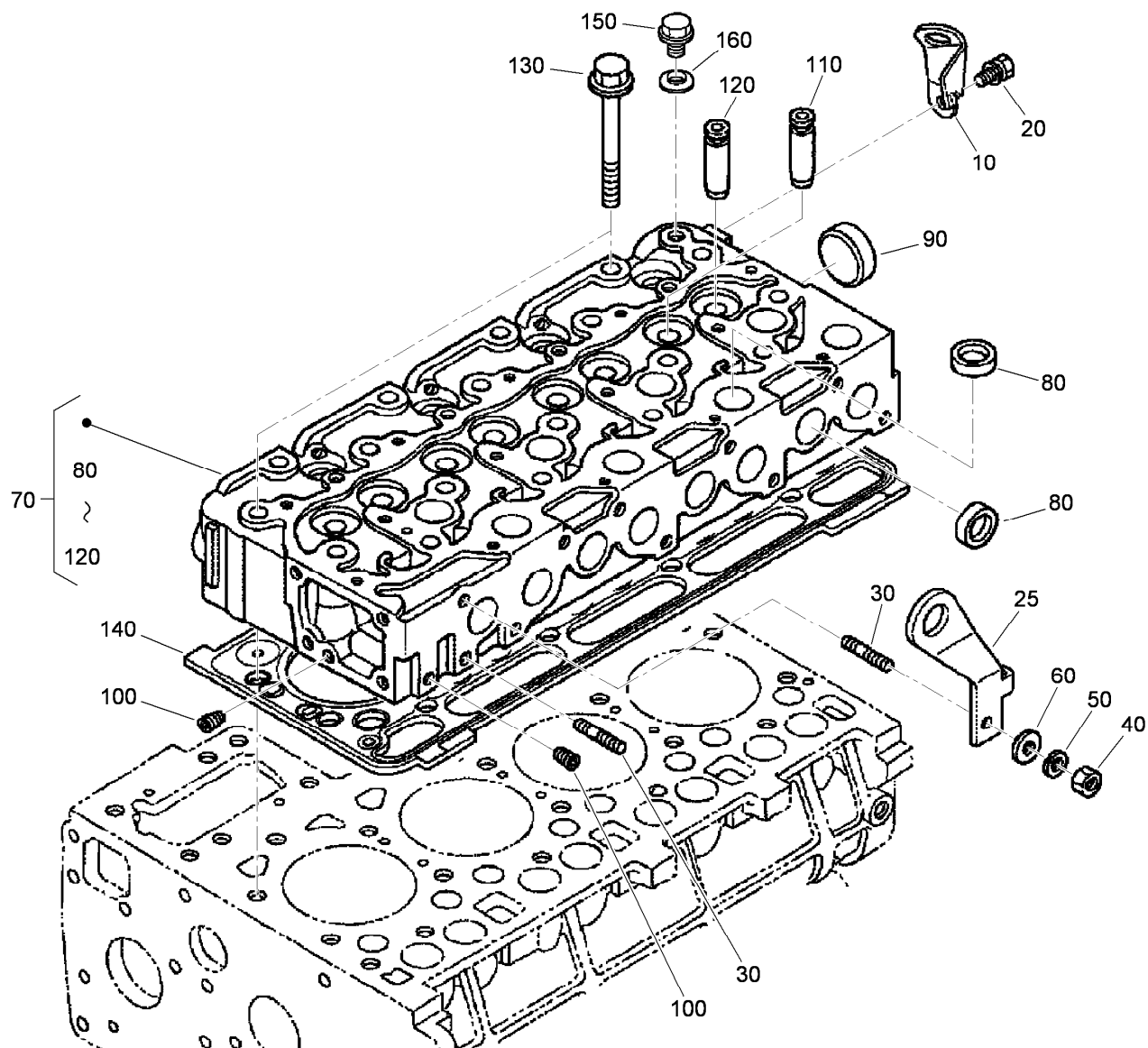
Crankcase Assembly

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



Oil Pan Assembly

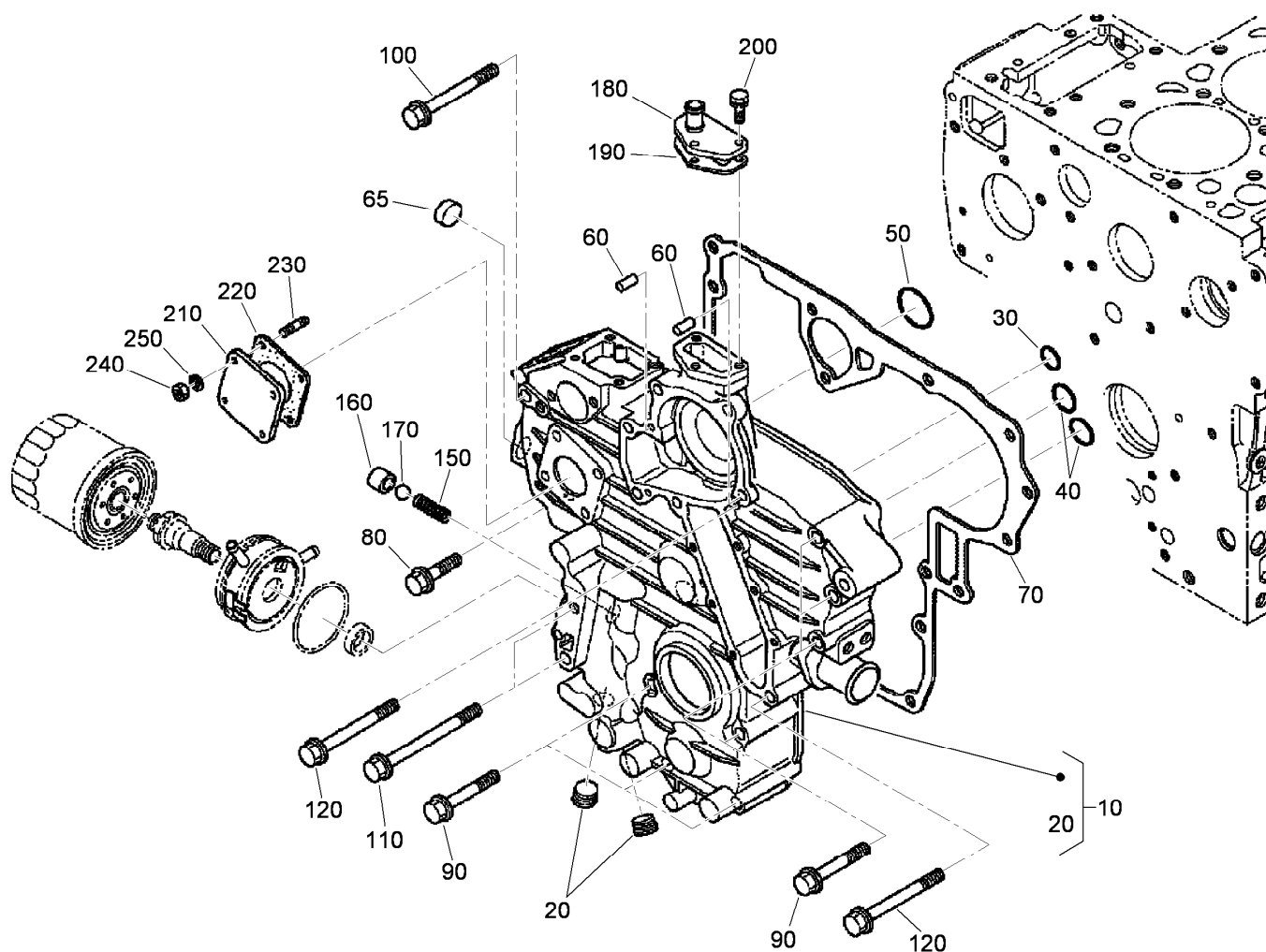
Ref.	Part Number	Qty.	Description
10	115-8501	1	Oil Pan ASM
20	108-7053	1	Gasket-Pan, Oil
30	115-8502	24	Bolt-Flange
40	98-9686	2	Plug-Drain
50	98-9399	2	Gasket
60	115-8503	1	Filter-Oil
70	115-8504	1	Bolt-Flange
80	108-7054	1	O-Ring



Cylinder Head Assembly

Ref.	Part Number	Qty.	Description
10	98-7530	1	Hook-Engine
20	98-7526	1	Bolt
25	115-8505	1	Hook
30	115-8506	2	Stud
40	98-7534	1	Nut
50	105-2893	1	Washer-Spring
60	98-7536	1	Washer-Plain
70	115-8507	1	Head-Cylinder
80	98-7538	12	Cap-Sealing
90	98-7539	1	Cap-Sealing
100	98-7540	2	Plug
110	98-7541	4	Guide-Valve, Intake
120	115-8508	4	Guide-Valve, Exhaust

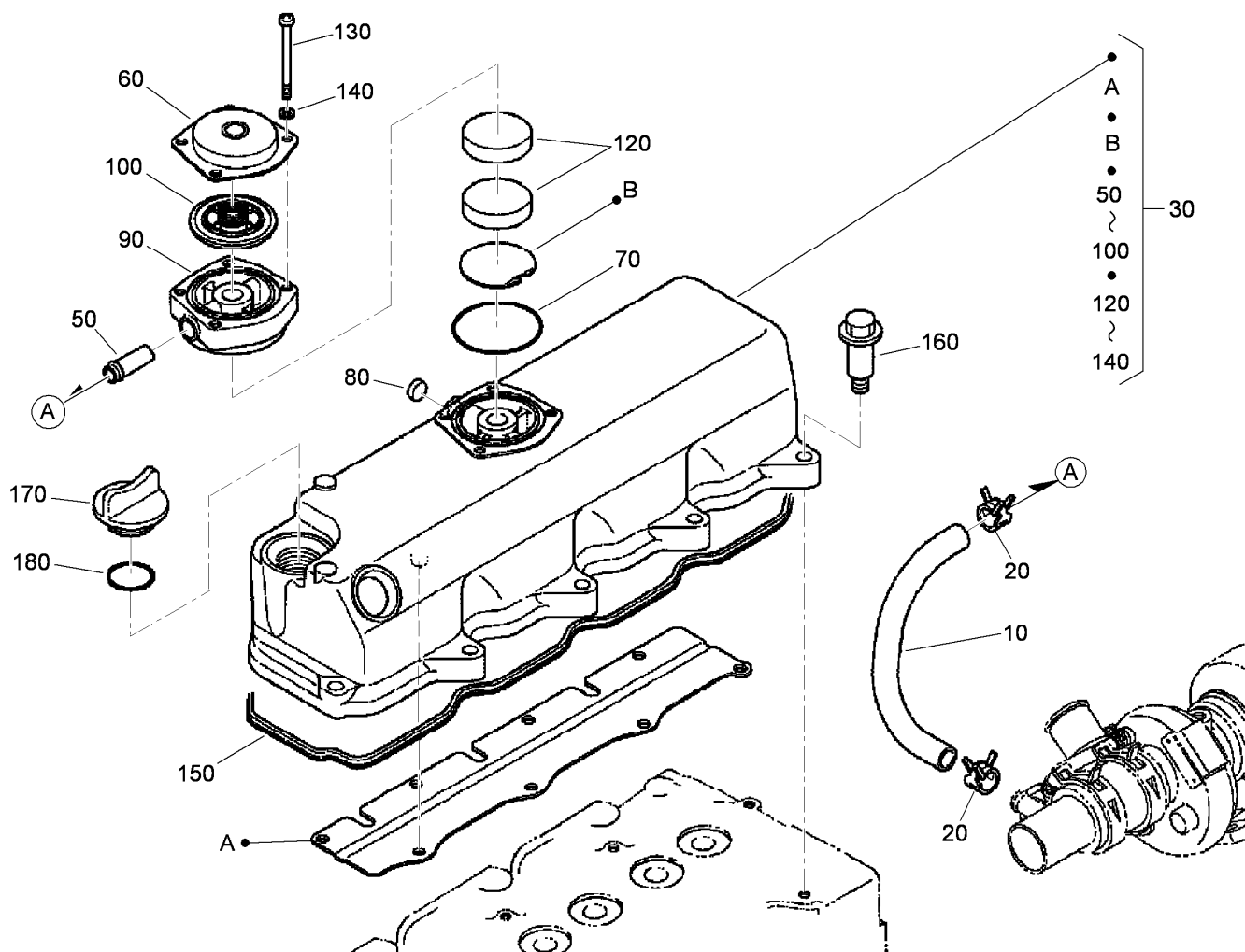
Ref.	Part Number	Qty.	Description
130	98-7543	18	Bolt-Head, Cylinder
140	115-8647	1	Gasket-Head, Cylinder (1.15Mm)
140	115-8509	1	Gasket-Head, Cylinder (1.20Mm)
140	115-8510	1	Gasket-Head, Cylinder (1.25Mm)
140	115-8511	1	Gasket-Head, Cylinder (1.30Mm)
140	115-8512	1	Gasket-Head, Cylinder (1.35Mm)
150	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

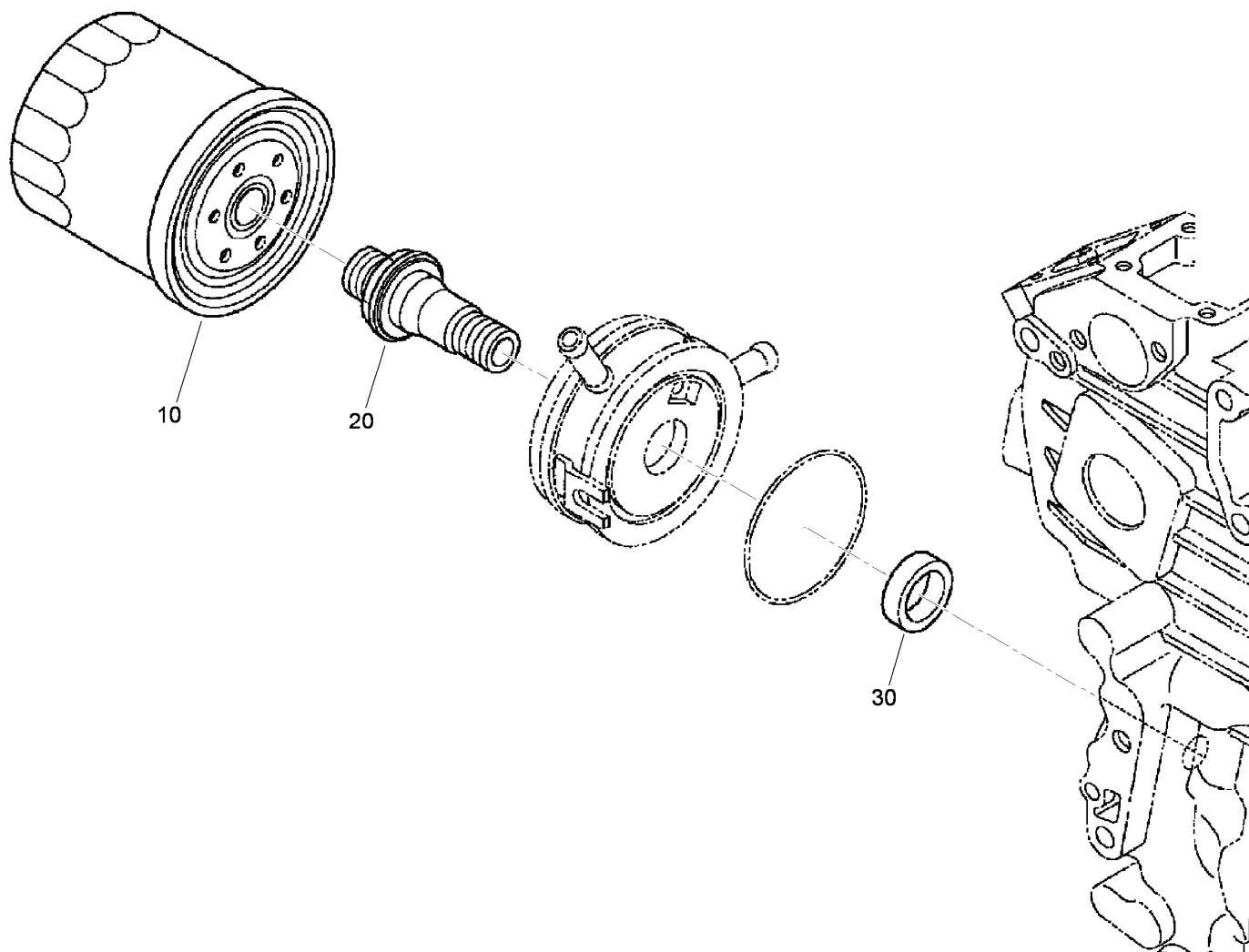
Ref.	Part Number	Qty.	Description
120	115-8520	4	Bolt-Flange
150	98-7563	1	Spring
160	98-7564	1	Seat-Valve
170	98-7565	1	Ball
180	98-7566	1	Flange-Return, Water
190	115-8521	1	Gasket-Flange, Return
200	98-7568	3	Bolt
210	98-7569	1	Cover
220	115-8522	1	Gasket-Meter, Hour
230	98-7571	4	Stud
240	98-7572	4	Nut
250	98-9367	4	Washer-Spring



Cylinder Head Cover Assembly

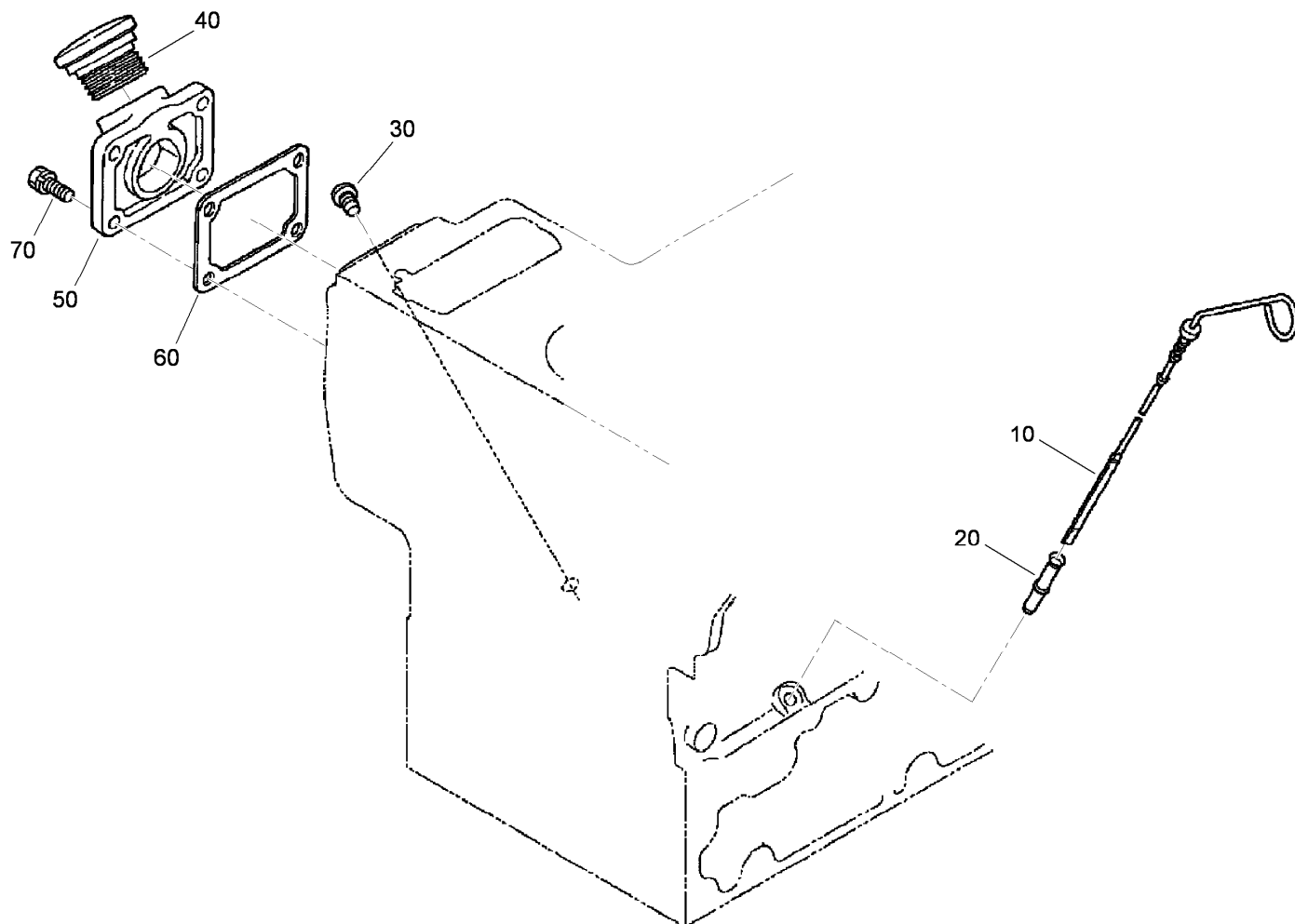
Ref.	Part Number	Qty.	Description
10	115-8523	1	Tube-Breather, Turbo
20	115-8524	2	Clamp-Hose
30	115-8525	1	Cylinder Head Cover ASM
50	98-7766	1	Pipe-Return, Water
60	110-3714	1	Cover-Breather
70	108-7061	1	O Ring-Breather
80	115-3042	1	Cap-Sealing
90	115-8526	1	Spacer-Breather

Ref.	Part Number	Qty.	Description
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



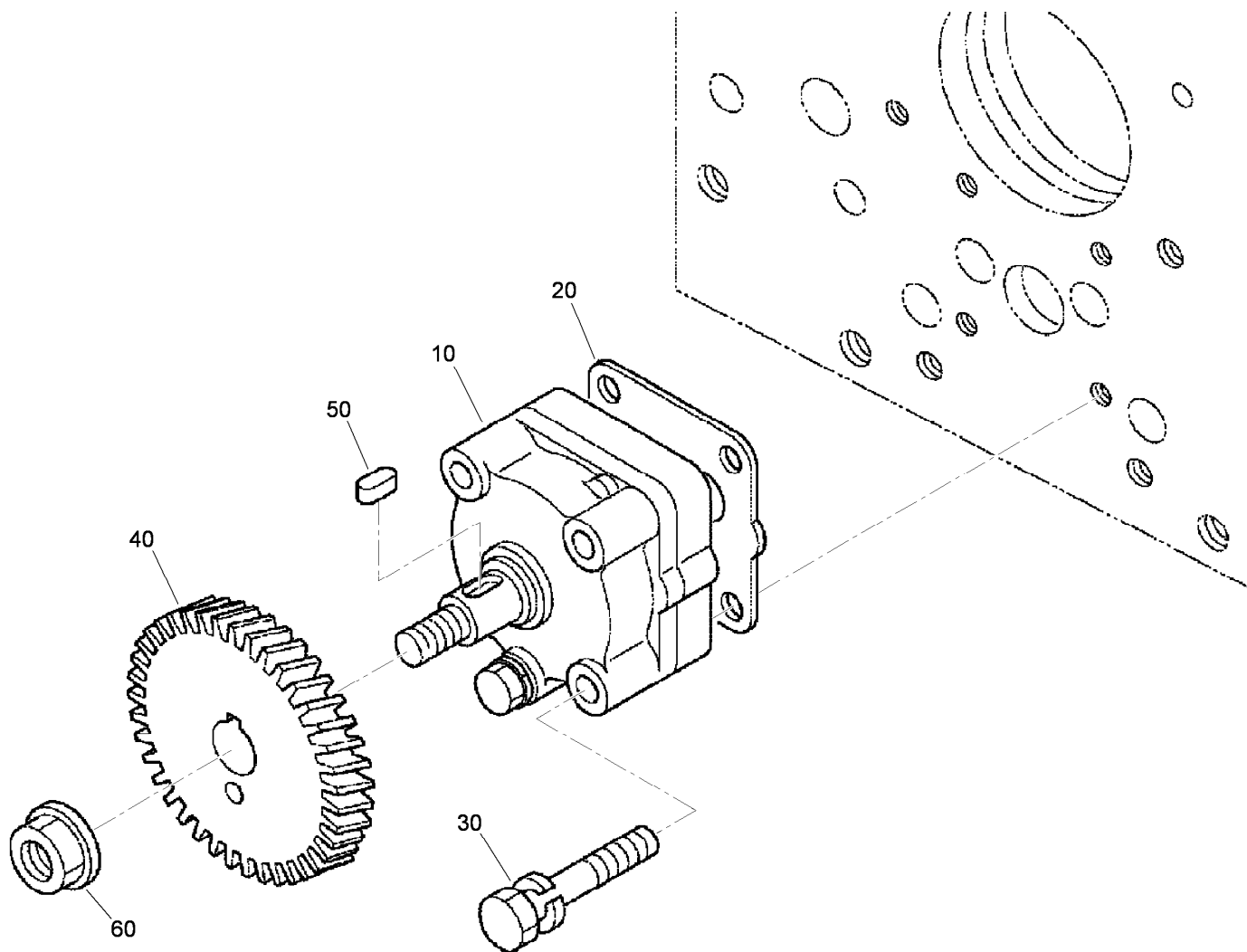
Oil Filter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-5169	1	Filter-Oil
20	115-8528	1	Connector
30	115-8529	1	Collar



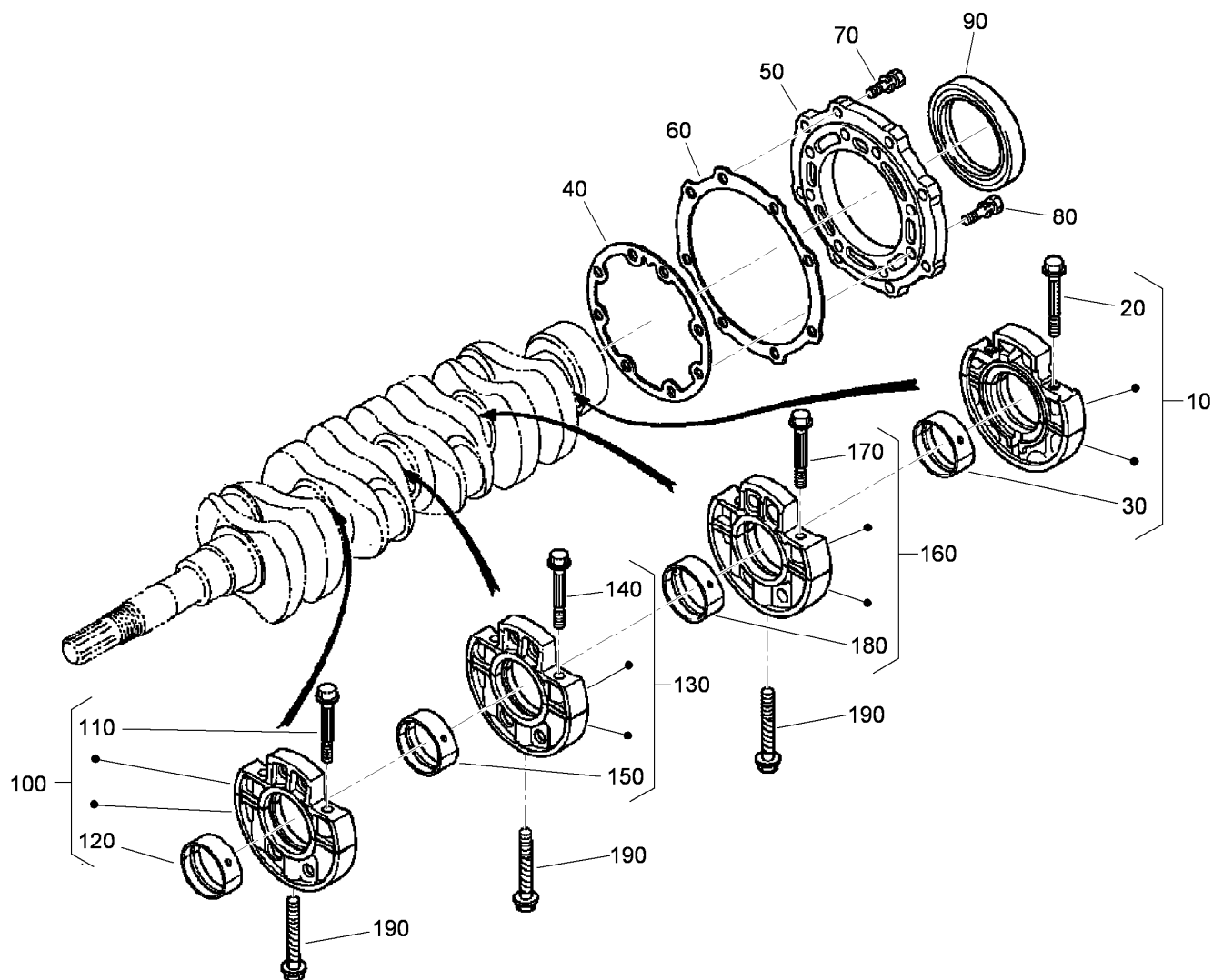
Dipstick and Guide Assembly

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

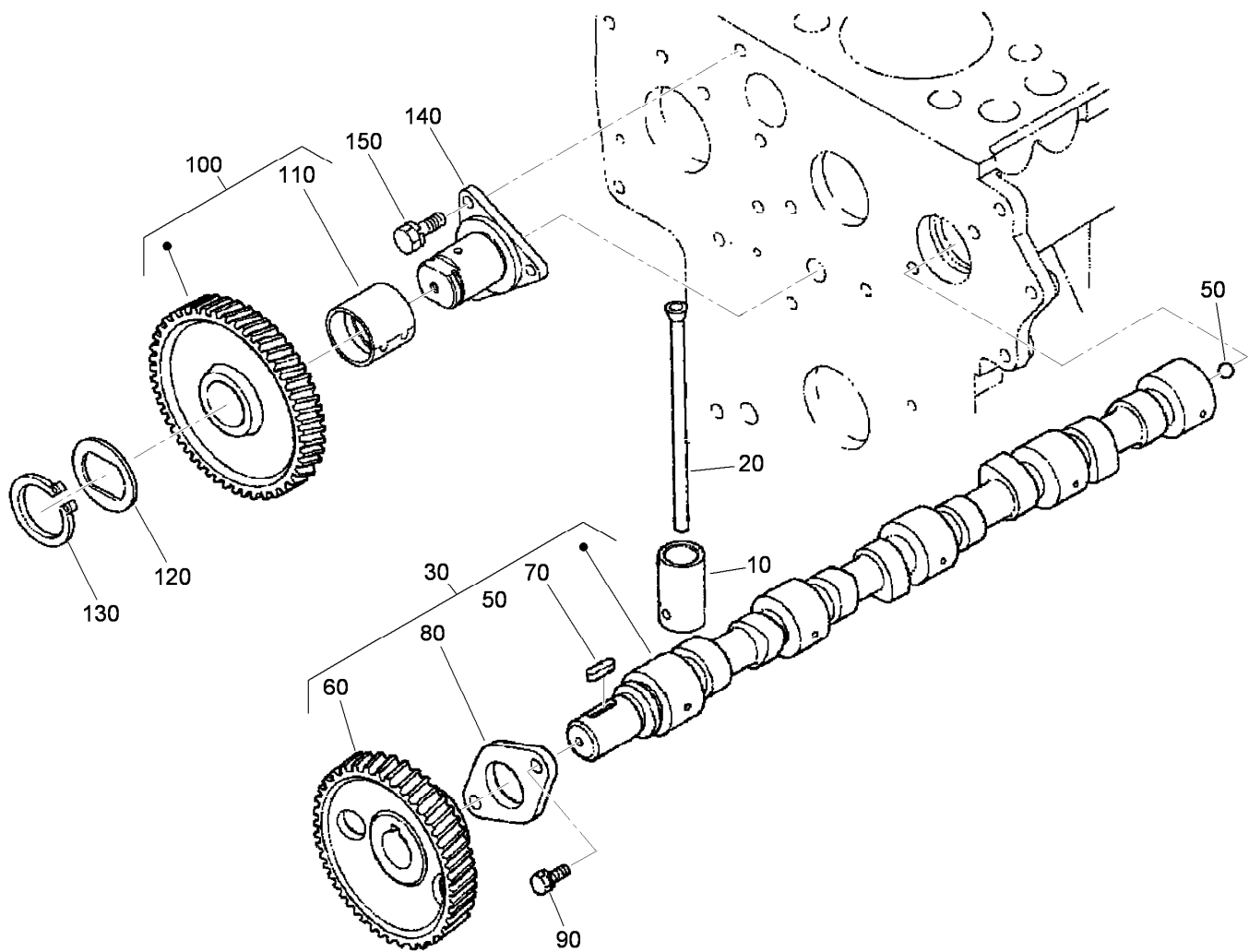
Ref.	Part Number	Qty.	Description
10	98-7512	1	Oil Pump ASM
20	98-7513	1	Gasket-Pump, Oil
30	105-3797	4	Bolt
40	115-8533	1	Gear-Drive, Oil Pump
50	98-7517	1	Key-Feather
60	98-7518	1	Nut-Flange



Main Bearing Case Assembly

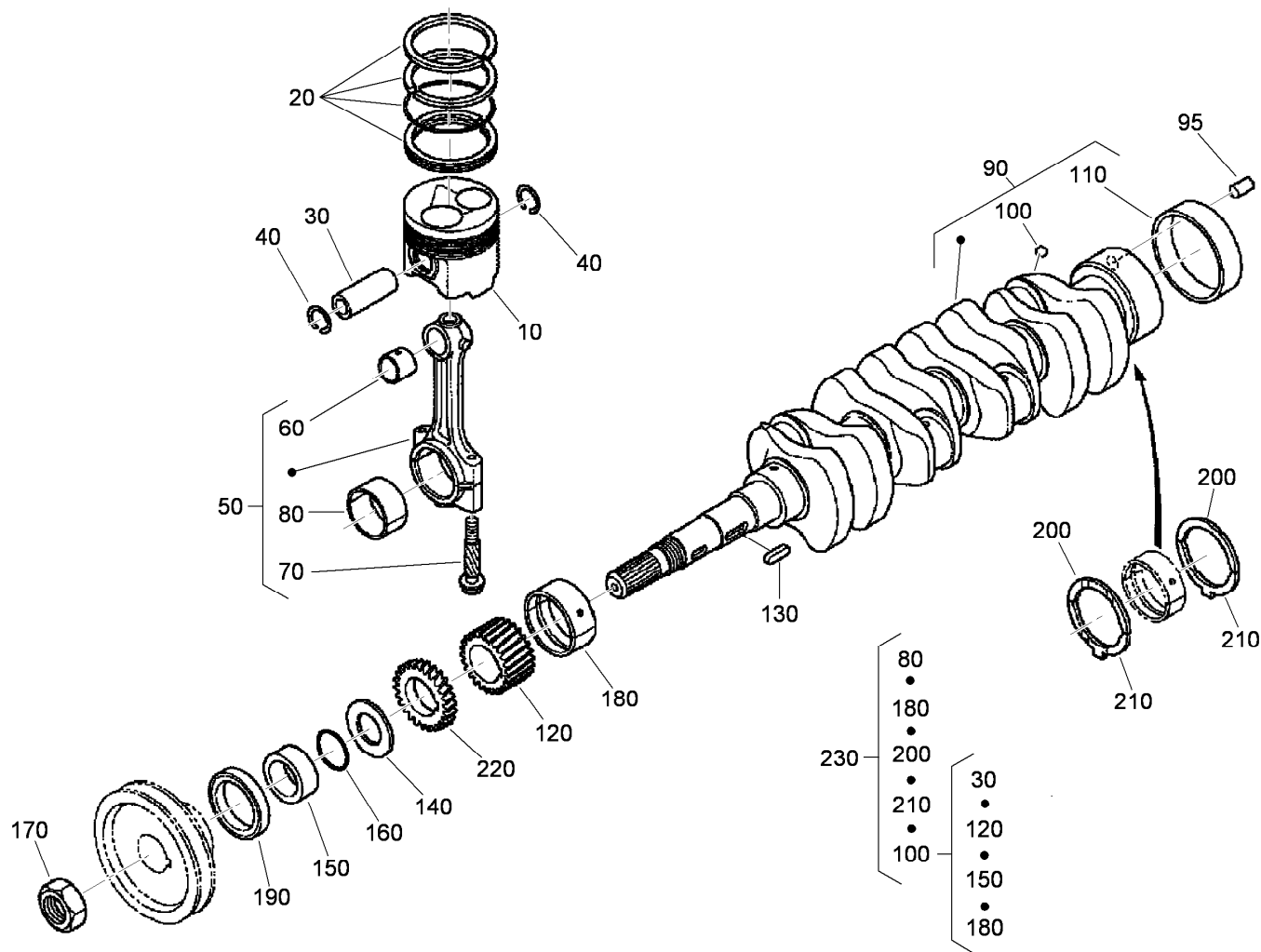
Ref.	Part Number	Qty.	Description
10	115-8534	1	Wheel Bearing Case ASM
20	108-7066	2	Bolt-Case, Bearing
30	108-7067	1	Metal-Crankshaft (STD)
30	108-7068	1	Metal-Crankshaft (-0.20MM)
30	108-7069	1	Metal-Crankshaft (-0.40MM)
40	108-7070	1	Gasket-Case, Bearing
50	117-8843	1	Cover-Case, Bearing
60	98-7437	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	108-7067	1	Metal-Crankshaft (STD)
120	108-7068	1	Metal-Crankshaft (-0.20MM)
120	108-7069	1	Metal-Crankshaft (-0.40MM)
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

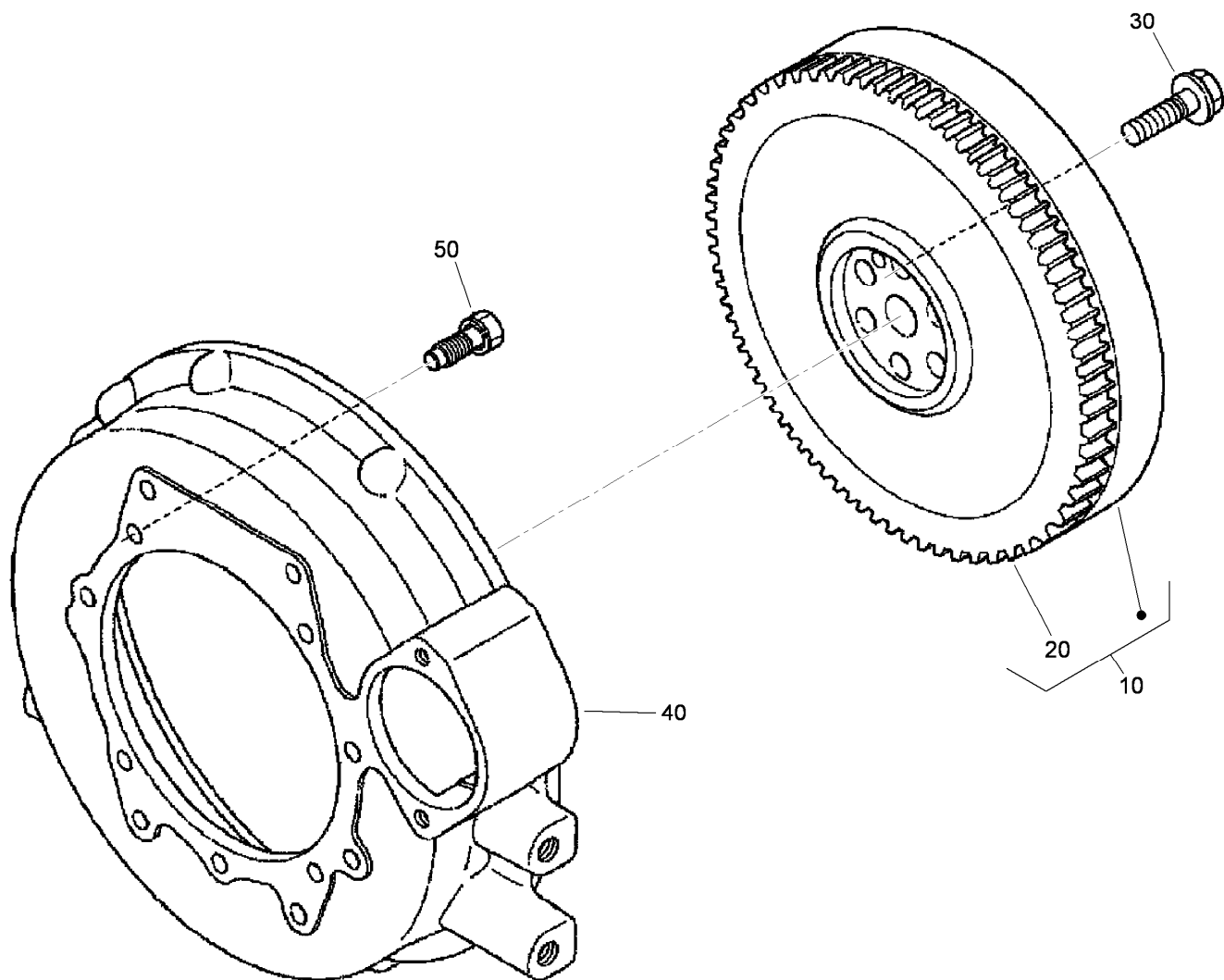
Ref.	Part Number	Qty.	Description
10	98-7445	8	Tappet
20	115-8537	8	Rod-Push
30	115-8538	1	Camshaft ASM
50	110-3729	1	Ball
60	115-8539	1	Gear-Cam
70	98-7451	1	Key-Feather
80	98-7452	1	Stopper-Camshaft
90	98-7453	2	Bolt
100	107-0109	1	Gear-Idler
110	107-0110	1	Bushing-Gear, Idler
120	107-0111	1	Collar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



Piston and Crankshaft Assembly

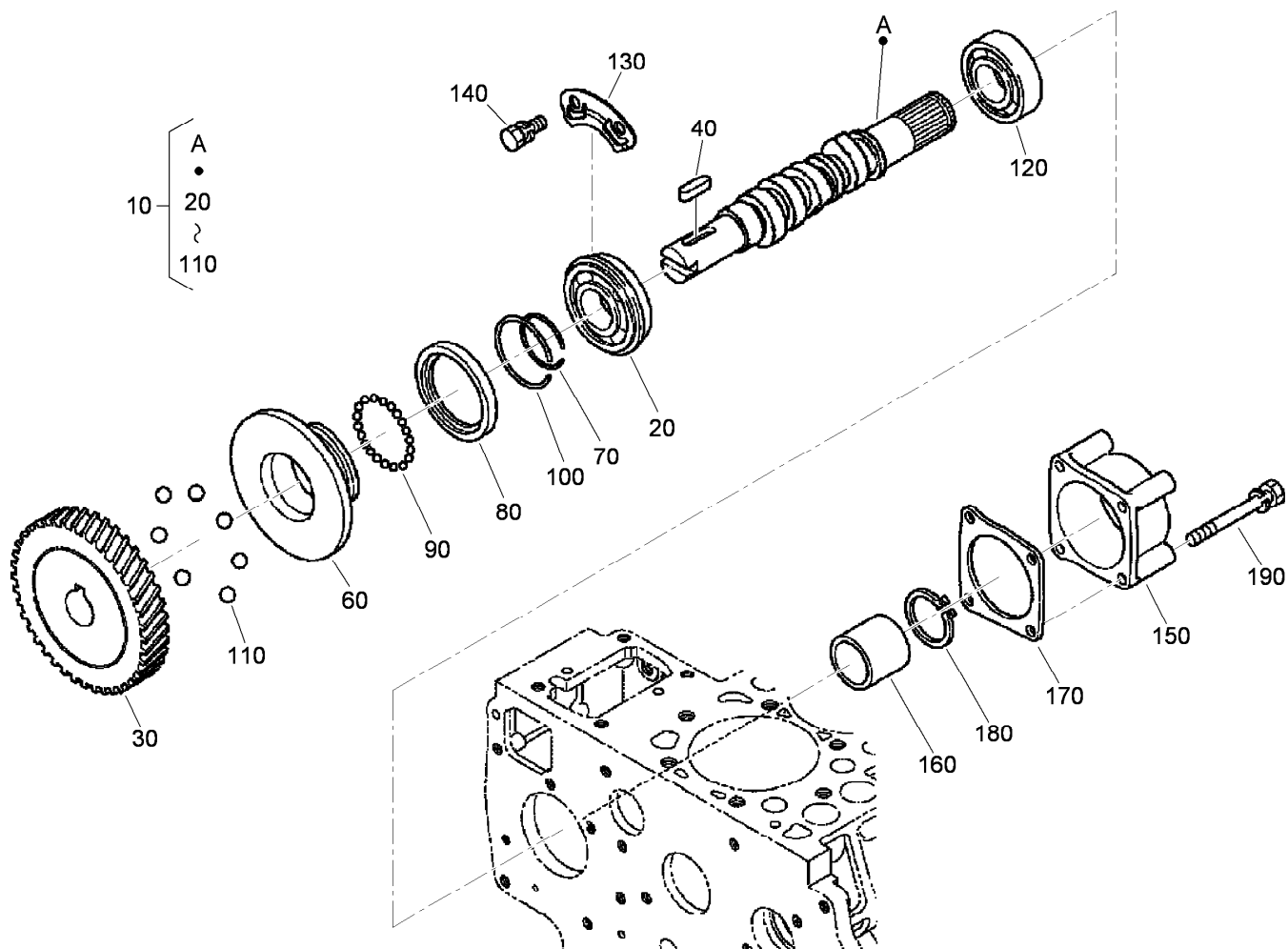
Ref.	Part Number	Qty.	Description
10	115-8540	4	Piston
10	115-8541	4	Piston
20	115-8543	1	Piston Ring ASM
20	115-8542	4	Piston Ring ASM
30	115-8544	4	Pin-Piston
40	112-7002	8	Circlip
50	115-8545	4	Connecting Rod ASM
60	115-8546	4	Bushing-Pin, Piston
70	98-7468	8	Bolt-Rod, Connecting
80	98-7469	4	Metal-Crankpin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

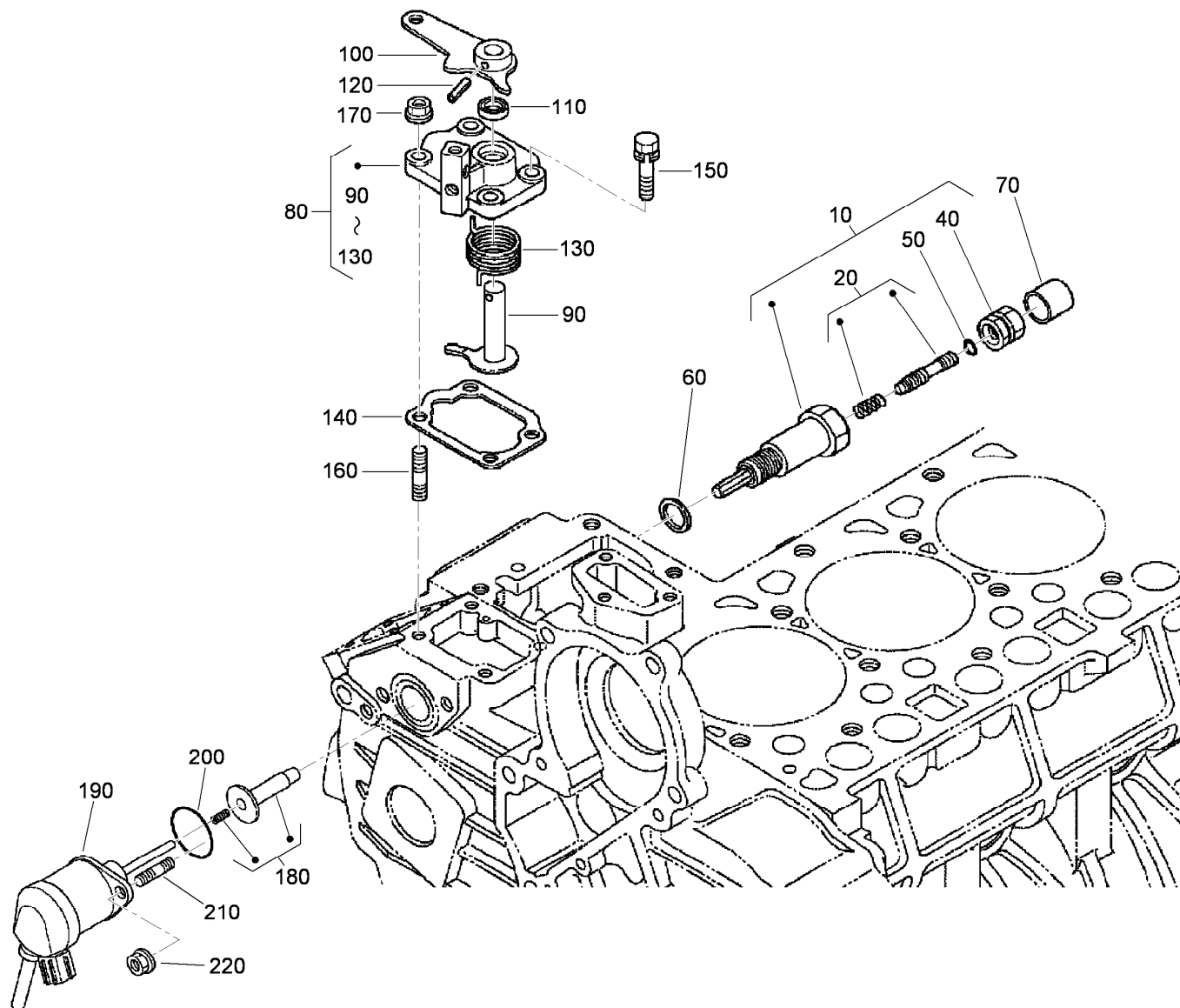
Ref.	Part Number	Qty.	Description
10	115-8557	1	Flywheel ASM
20	115-8558	1	Gear-Ring
30	112-8408	6	Bolt-Flywheel
40	115-8559	1	Housing-Flywheel
50	98-7885	11	Bolt



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

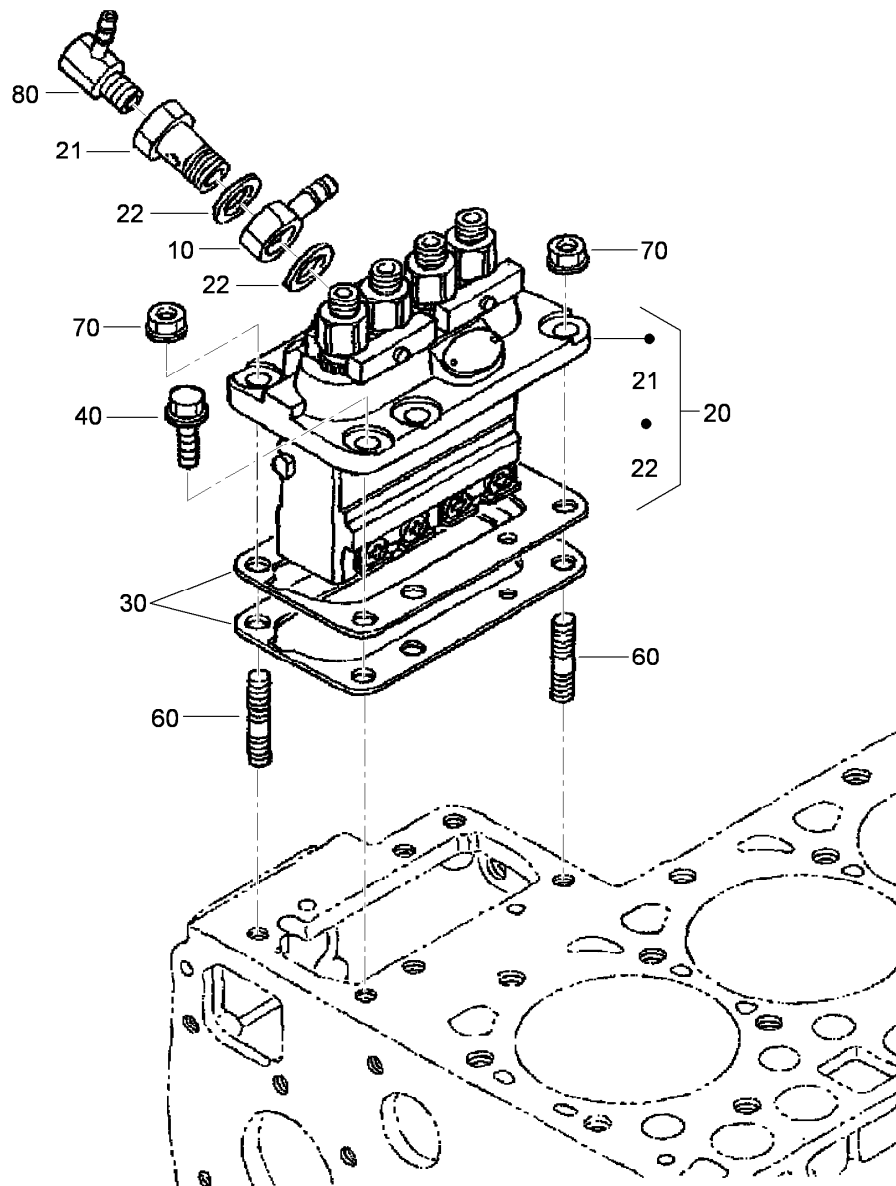
Ref.	Part Number	Qty.	Description
110	98-7582	7	Ball
120	115-8562	1	Bearing-Ball
130	115-8563	1	Stopper-Fuel Camshaft
140	100-9195	2	Bolt
150	115-8564	1	Cover-Camshaft, Fuel
160	115-8565	1	Collar
170	115-8566	1	Gasket
180	98-7589	1	Circlip-External
190	98-7590	4	Bolt



Idle Apparatus and Stop Solenoid Assembly

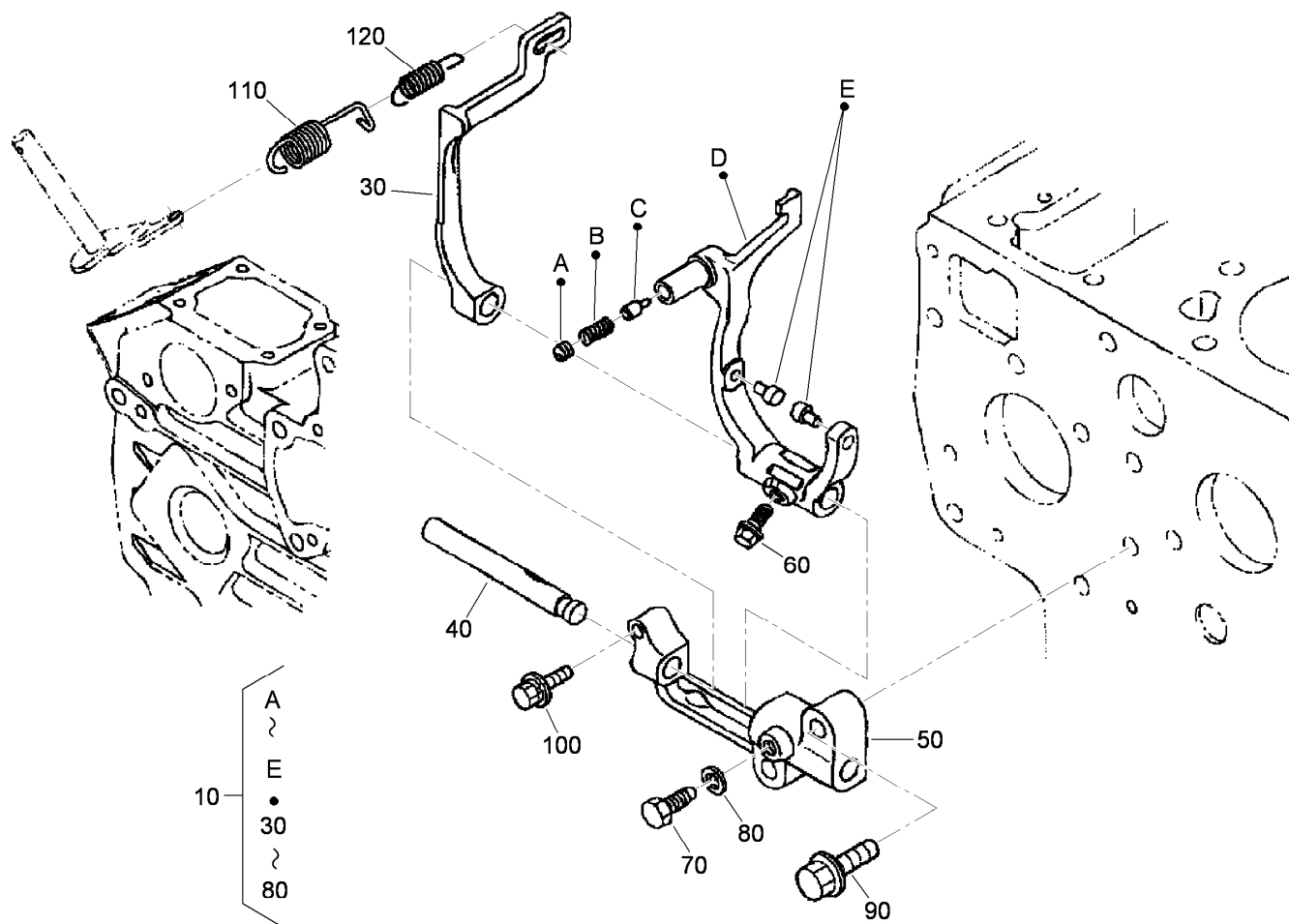
Ref.	Part Number	Qty.	Description
10	115-8567	1	Apparatus-Idling
20	115-8568	1	Adjustment Bolt ASM
40	115-8569	1	Nut-Spring
50	115-8570	1	O-Ring
60	115-8571	1	Gasket
70	115-8572	1	Cap
80	115-8573	1	Engine Stop Lever ASM
90	115-8574	1	Lever-Stop
100	115-8575	1	Lever-Stop, Engine
110	115-8576	1	Seal-Oil
120	98-7602	1	Pin-Spring

Ref.	Part Number	Qty.	Description
130	115-8593	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



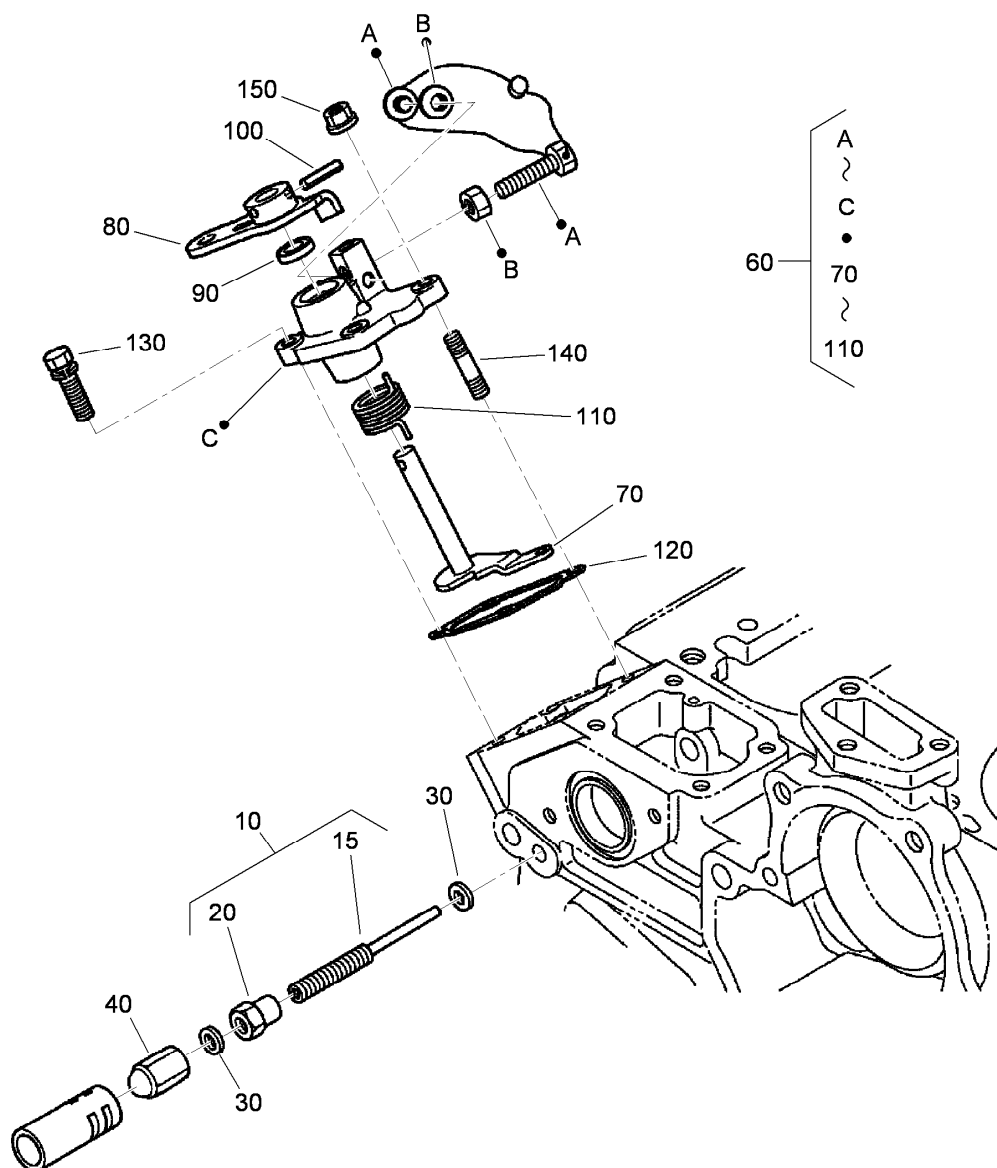
Injection Pump Assembly

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-Manifold, Exhaust
70	112-2492	2	Nut-Flange
80	107-4300	1	Orifice ASM



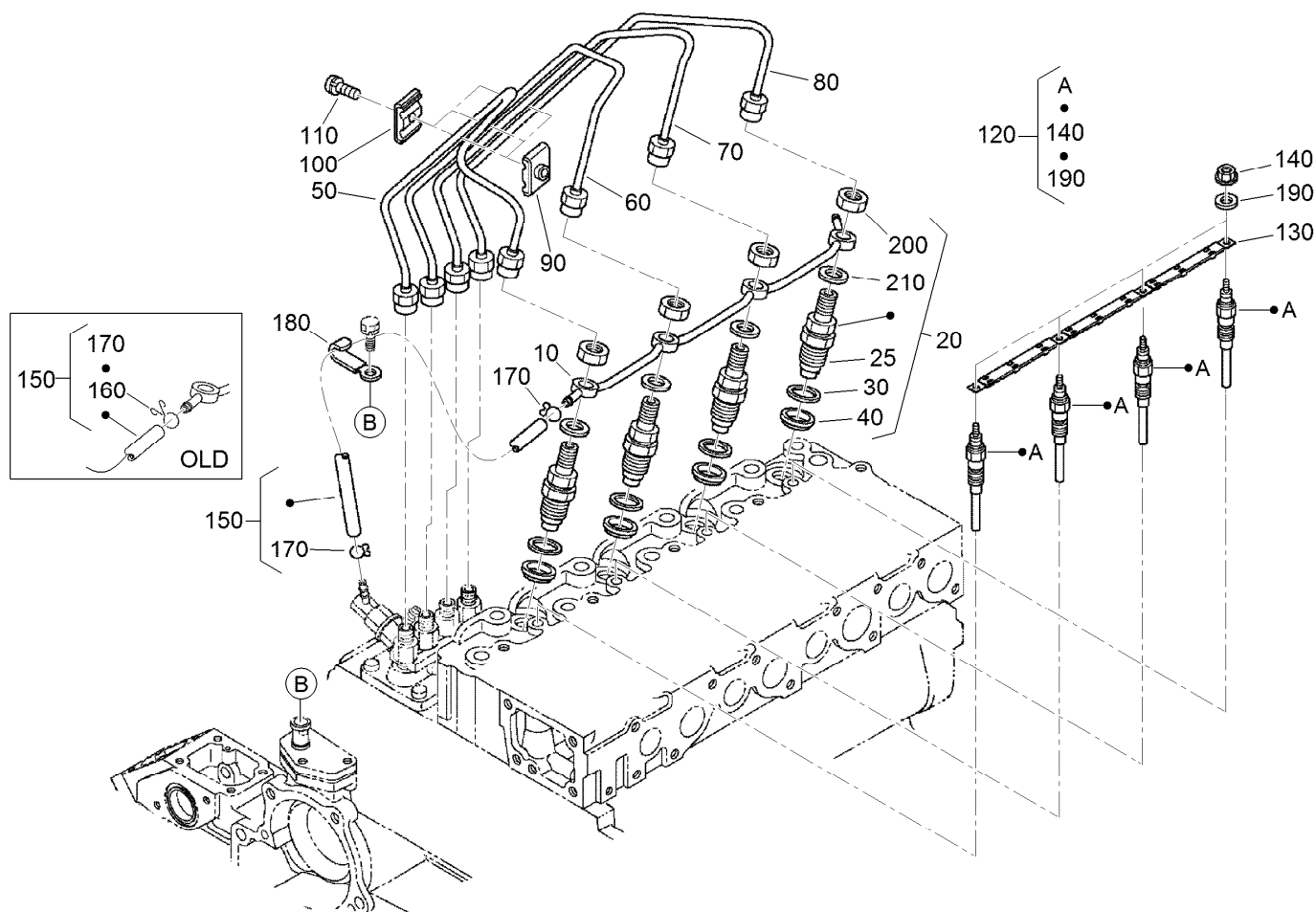
Governor Assembly

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

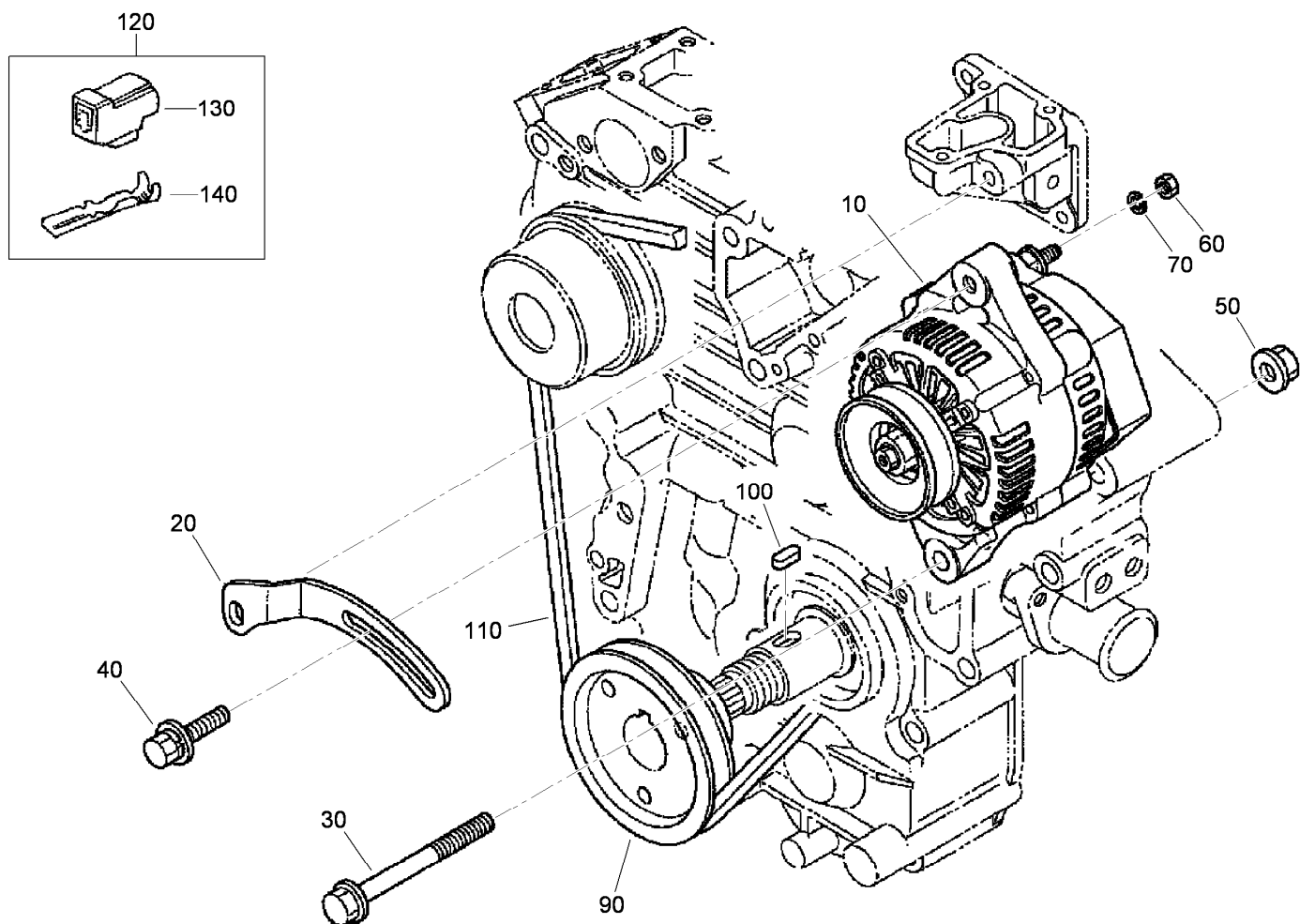
Ref.	Part Number	Qty.	Description
10	107-0132	1	Adjustable Bolt ASM
15	115-8588	1	Bolt-Adjusting
20	98-7653	1	Nut
30	98-7654	2	Gasket
40	98-7655	1	Nut-Cap
60	115-8589	1	Control Plate ASM
70	115-8590	1	Lever-Governor
80	115-8591	1	Lever-Control, Speed
90	115-8576	1	Seal-Oil
100	98-7602	1	Pin-Spring
110	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

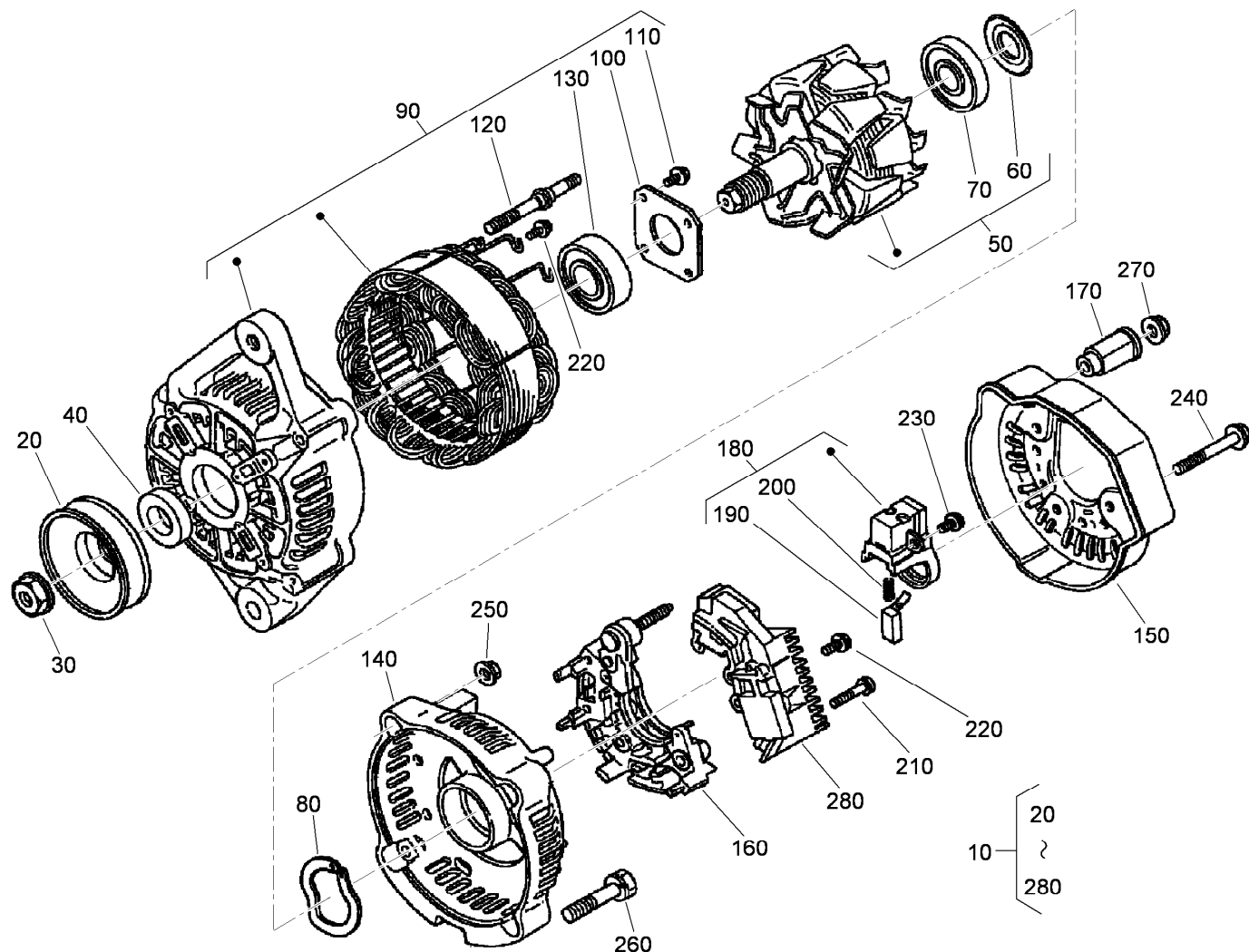
Ref.	Part Number	Qty.	Description
10	100-9213	1	Overflow Pipe ASM
20	100-9214	4	Nozzle Holder Kit
25	100-9215	4	Piece-Nozzle
30	98-7676	4	Gasket
40	98-7677	4	Seal-Heat
50	100-9216	1	Pipe-Injection
60	100-9217	1	Pipe-Injection
70	100-9218	1	Pipe-Injection
80	100-9219	1	Pipe-Injection
90	98-7682	3	Clamp-Pipe
100	98-7683	3	Clamp-Pipe

Ref.	Part Number	Qty.	Description
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
200	121-2411	4	Nut
210	98-7668	4	Washer



Alternator and Pulley Assembly

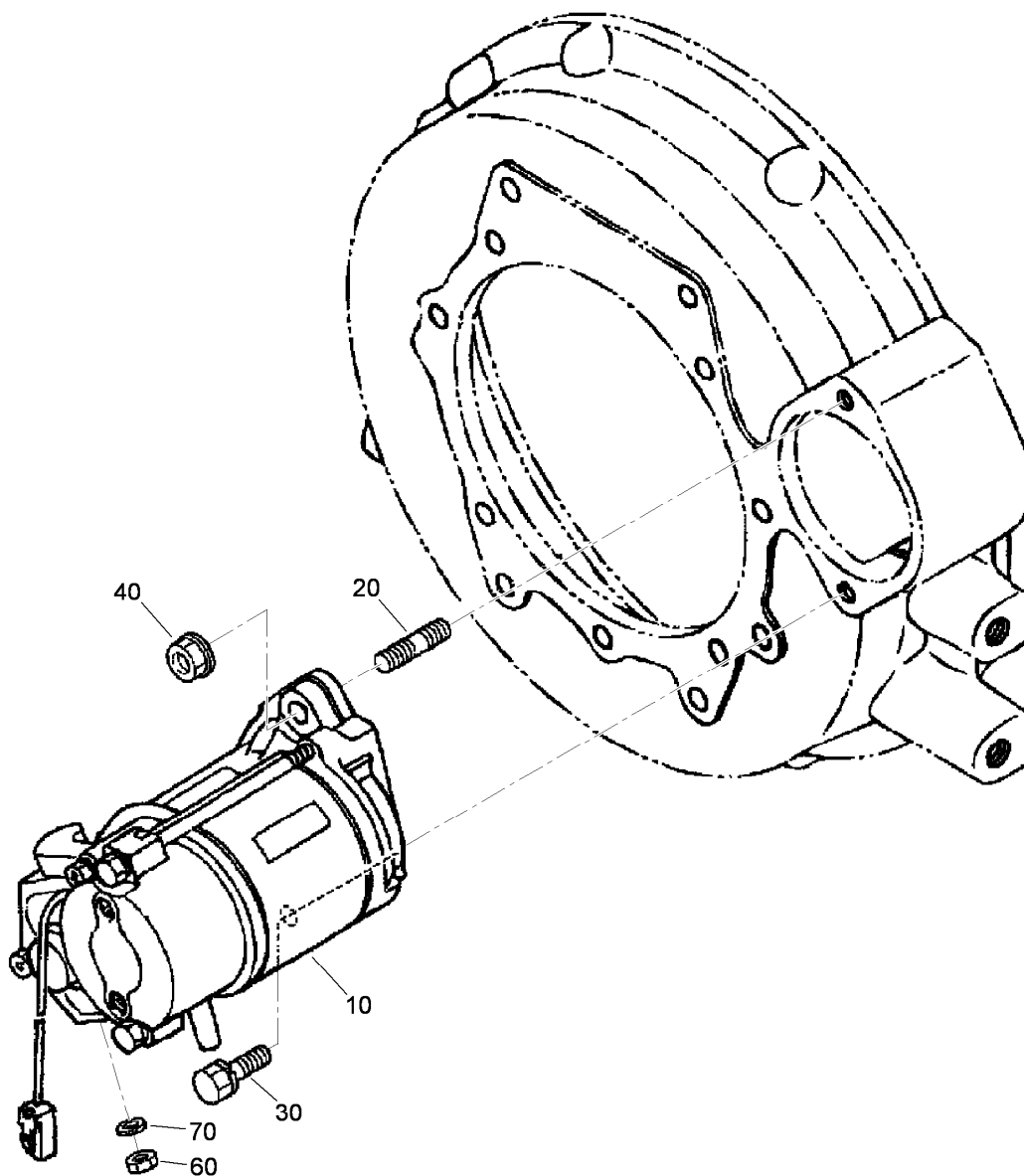
Ref.	Part Number	Qty.	Description
10	98-7693	1	Alternator ASM
20	105-2872	1	Bracket-Alternator
30	115-8596	1	Bolt-Flange
40	108-7088	1	Bolt
50	115-8597	1	Nut-Flange
60	98-7572	1	Nut
70	98-7699	1	Washer-Spring
90	115-8598	1	Pulley-Drive, Fan
100	98-7451	1	Key-Feather
110	115-8599	1	Belt-V
120	115-8600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



Alternator Component Part Assembly

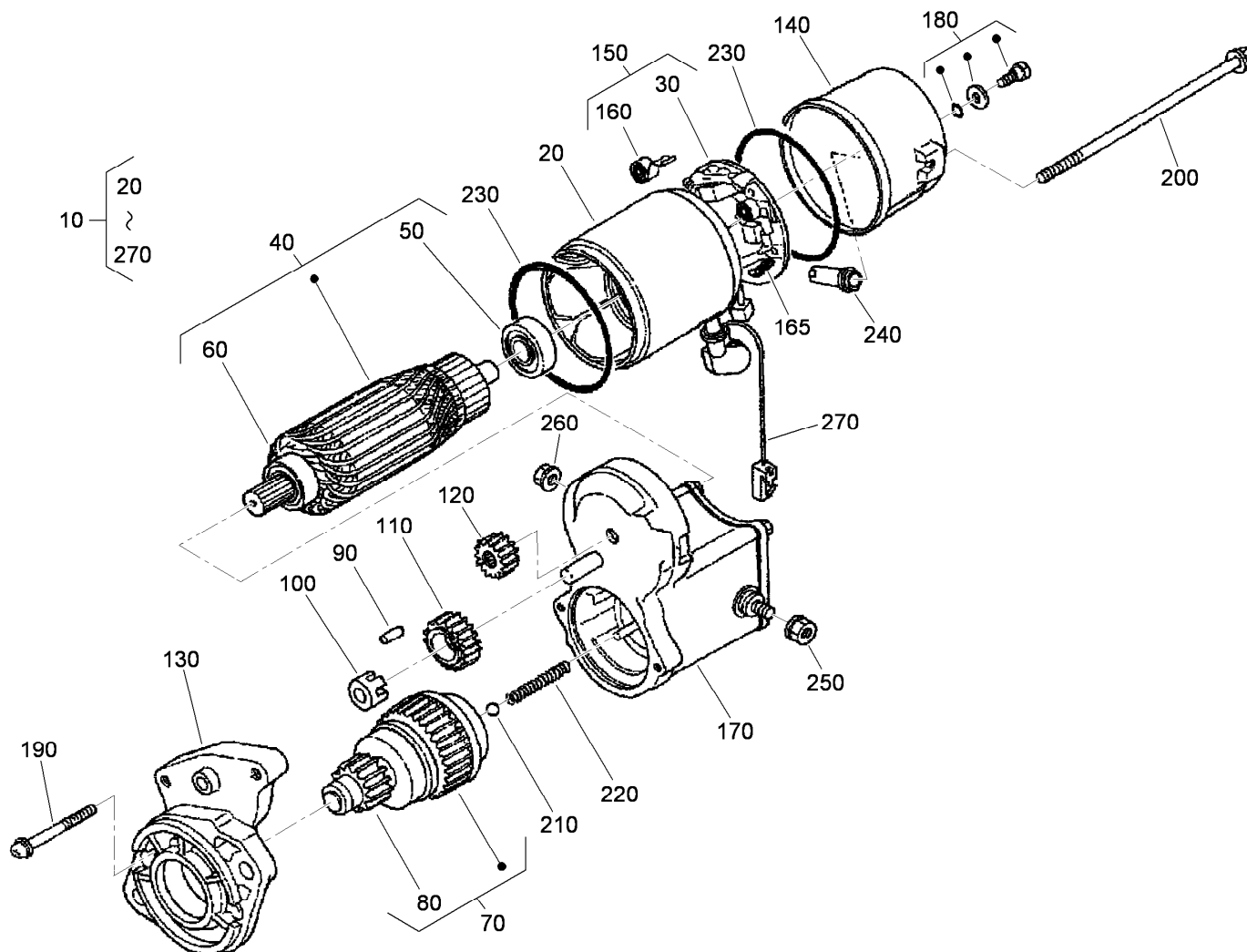
Ref.	Part Number	Qty.	Description
10	98-7693	1	Alternator ASM
20	98-7707	1	Pulley-Alternator
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110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

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	110-3799	1	Regulator ASM



Starter Assembly

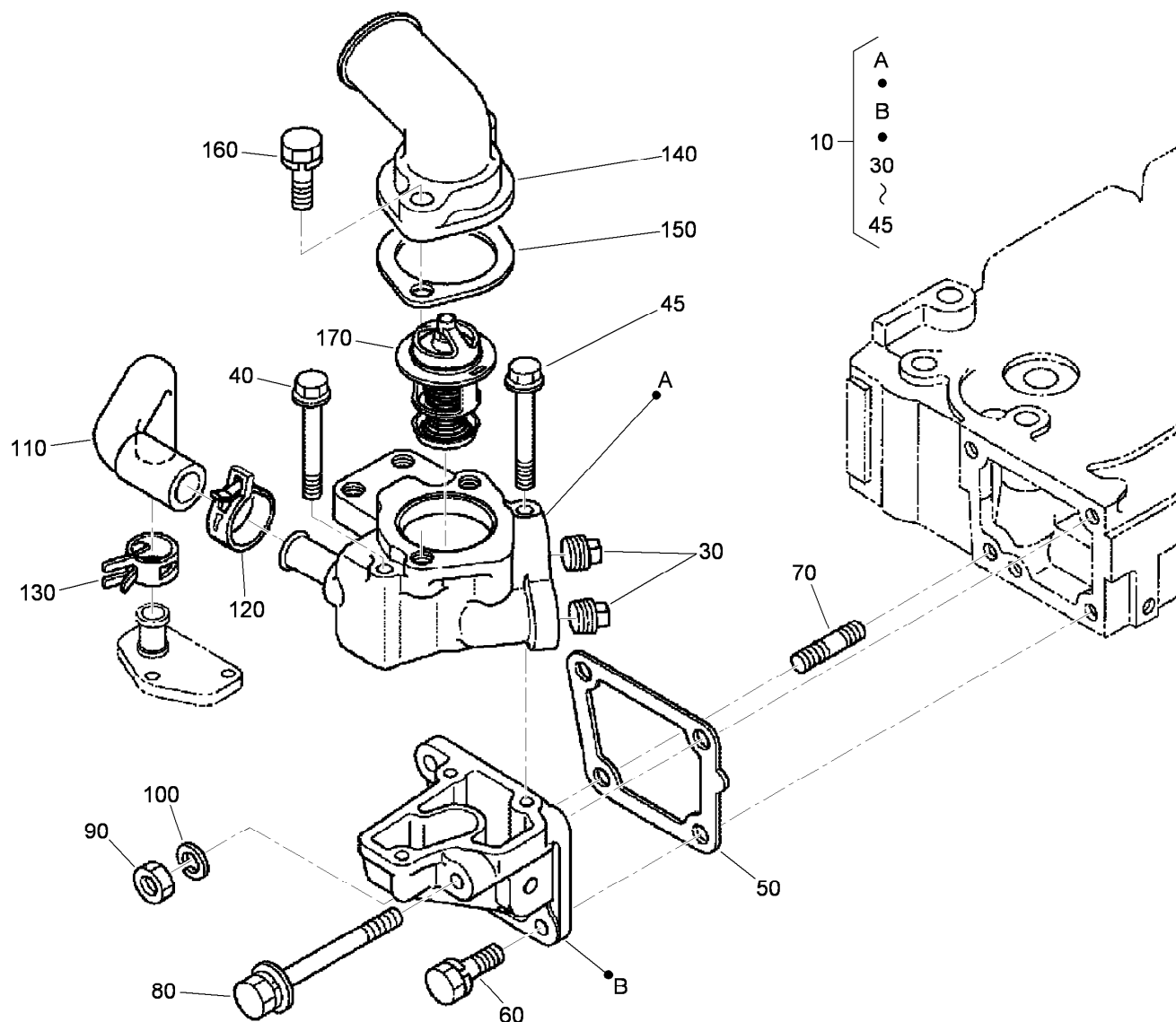
Ref.	Part Number	Qty.	Description
10	115-8603	1	Starter ASM
20	98-7735	1	Stud
30	98-7736	1	Bolt
40	115-8597	1	Nut-Flange
60	98-7739	1	Nut
70	105-2893	1	Washer-Spring



Starter Components Assembly

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

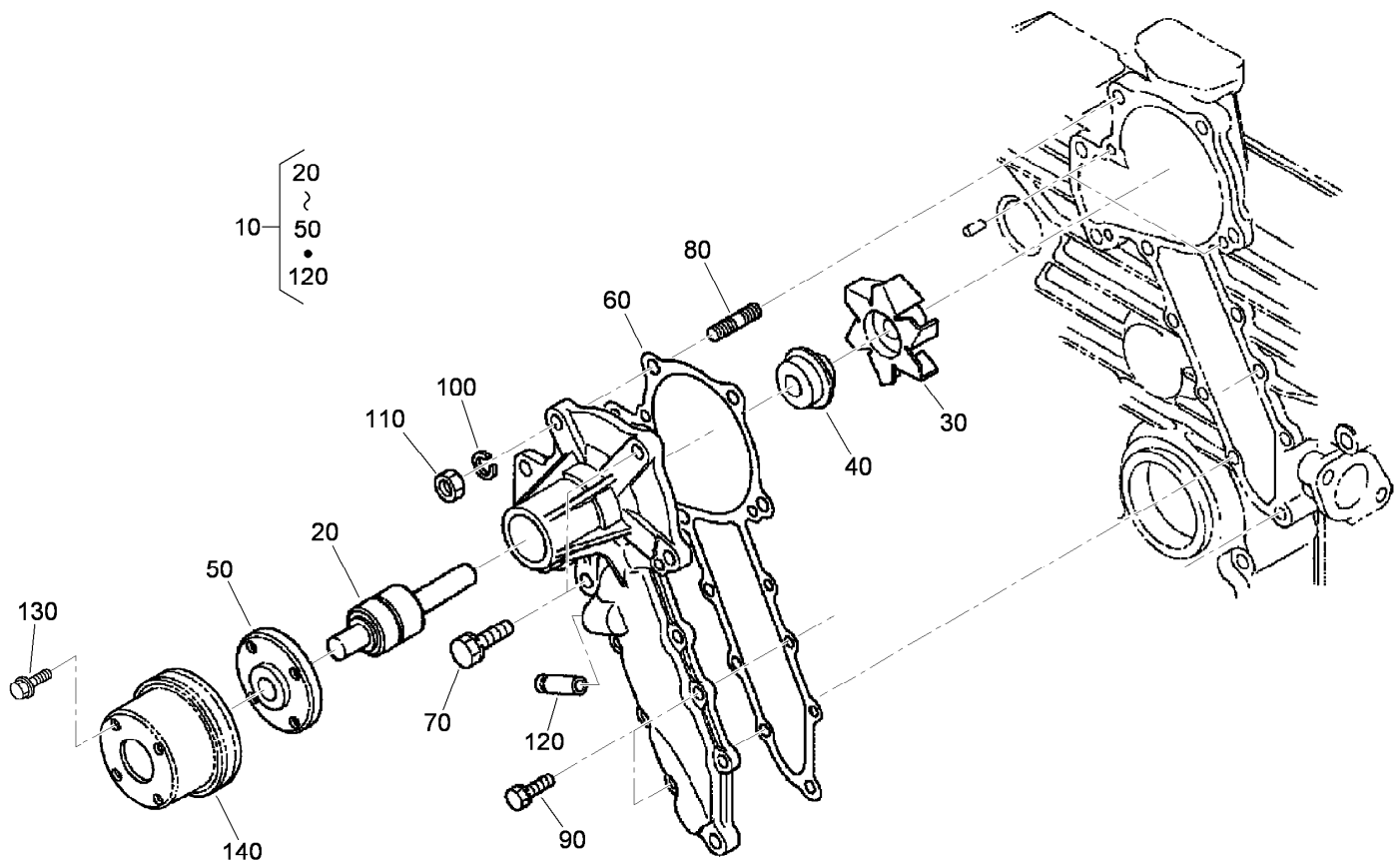
Ref.	Part Number	Qty.	Description
150	115-8612	1	Holder-Brush
160	115-8613	4	Spring
165	115-8614	4	Spring-Brush
170	115-8615	1	Magnetic Switch ASM
180	115-8616	2	Screw
190	115-8617	2	Screw
200	115-8618	2	Bolt-Thru
210	98-7755	1	Ball
220	98-7754	1	Spring
230	98-7757	2	O-Ring
240	115-8619	1	Pipe-Drain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



Water Flange and Thermostat Assembly

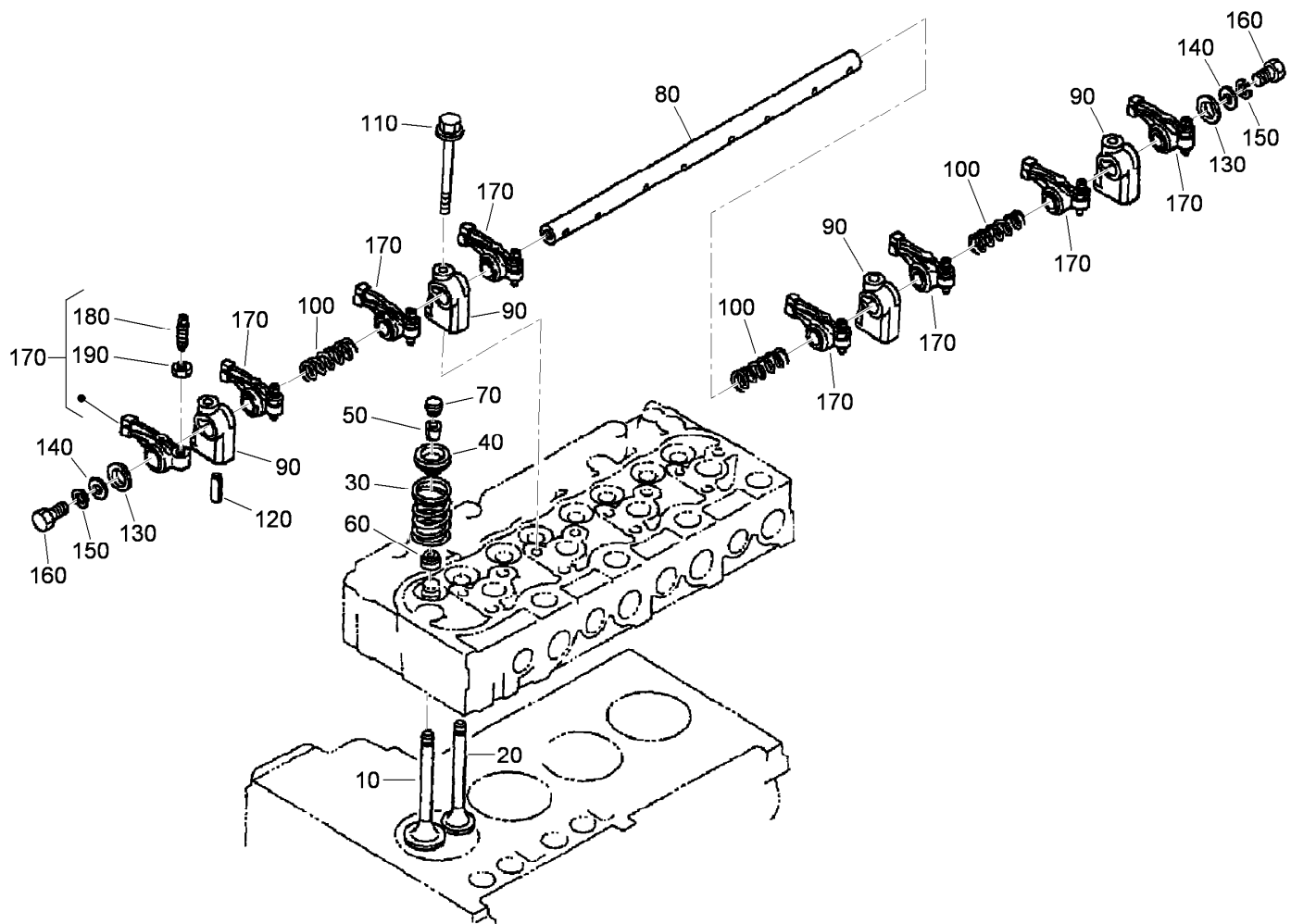
Ref.	Part Number	Qty.	Description
10	105-4578	1	Water Flange ASM
30	105-2874	2	Plug
40	105-2875	2	Bolt-Flange
45	107-0117	1	Bolt-Flange
50	98-7767	1	Gasket-Flange, Water
60	98-9359	2	Bolt
70	100-1558	1	Stud-Manifold, Exhaust
80	107-0115	1	Bolt
90	98-7534	1	Nut

Ref.	Part Number	Qty.	Description
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

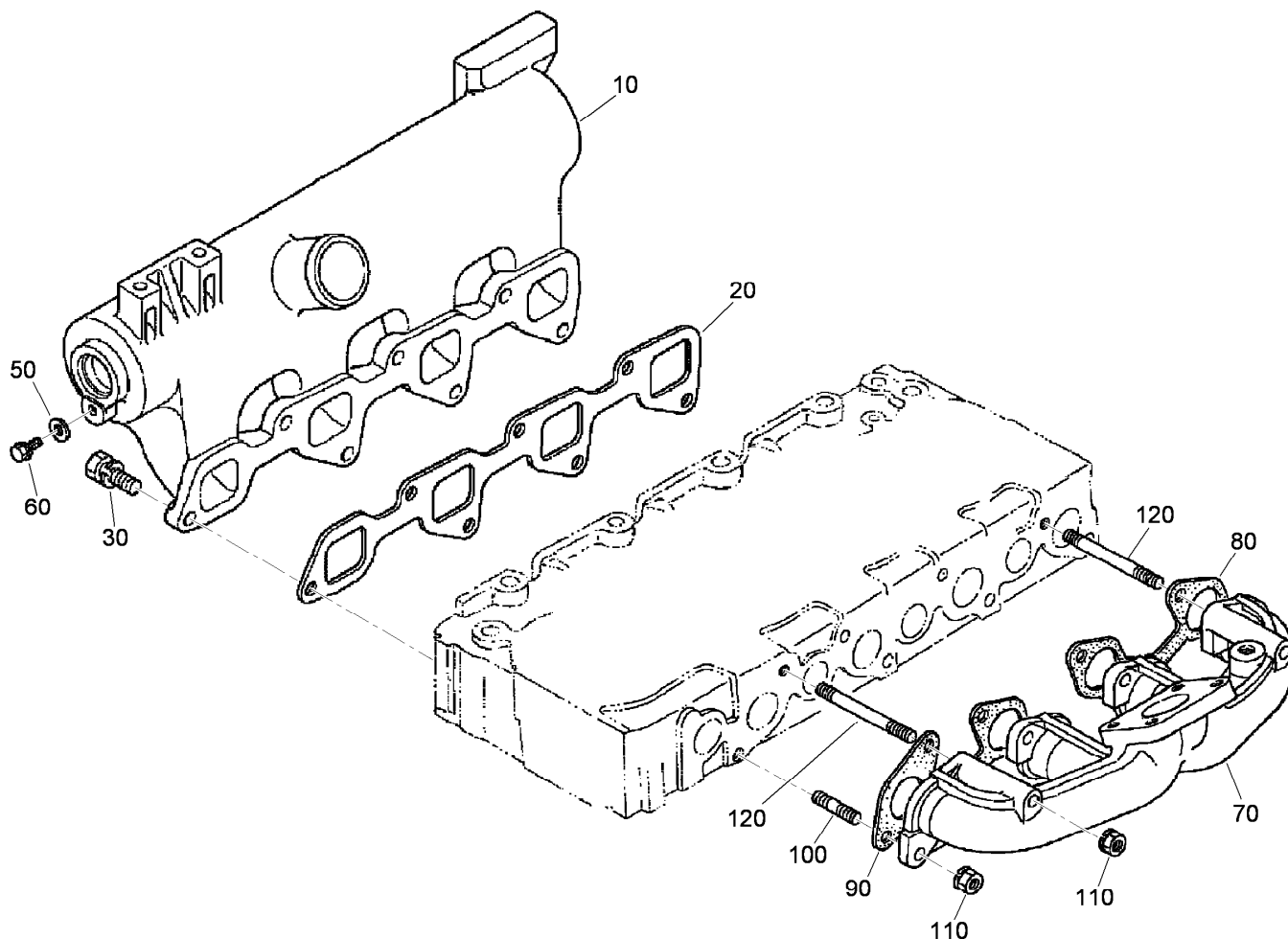
Ref.	Part Number	Qty.	Description
10	115-8622	1	Water Pump ASM
20	98-7780	1	Bearing-Ball
30	107-0130	1	Impeller-Pump, Water
40	105-2882	1	Mechanical Seal ASM
50	108-7089	1	Flange-Shaft, Water Pump
60	115-8624	1	Gasket-Pump, Water
70	98-7439	2	Bolt
80	108-7090	1	Stud
90	98-7605	6	Bolt
100	105-2893	1	Washer-Spring
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

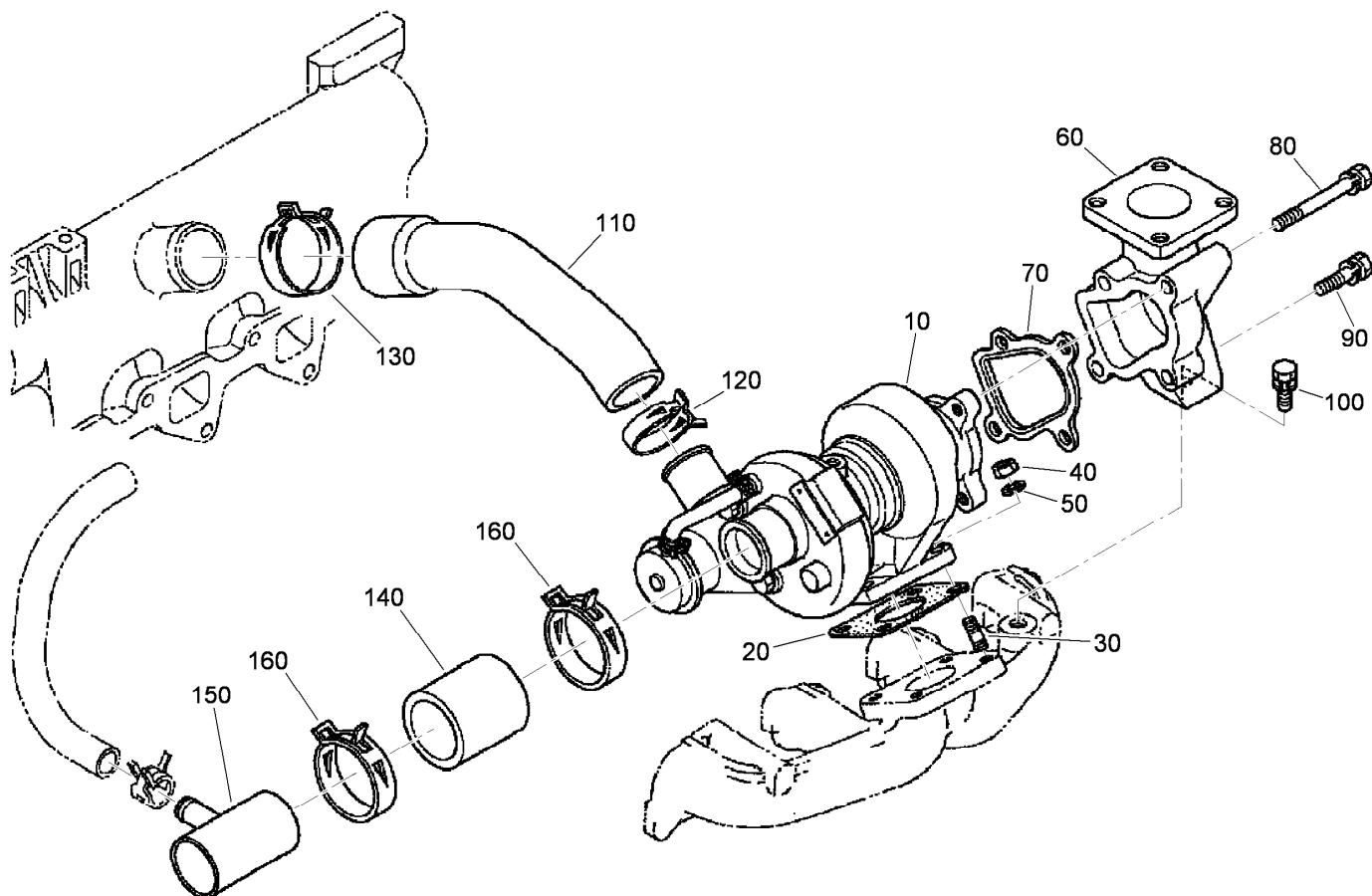
Ref.	Part Number	Qty.	Description
10	115-8626	4	Valve-Inlet
20	114-5099	4	Valve-Exhaust
30	98-7793	8	Spring-Valve
40	98-7794	8	Retainer-Spring, Valve
50	98-7795	8	Collet-Spring, Valve
60	98-7796	8	Seal-Stem, Valve
70	98-7797	8	Cap-Valve
80	107-0134	1	Shaft-Arm, Rocker
90	98-7800	4	Bracket-Arm, Rocker
100	98-7807	3	Spring-Arm, Rocker

Ref.	Part Number	Qty.	Description
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

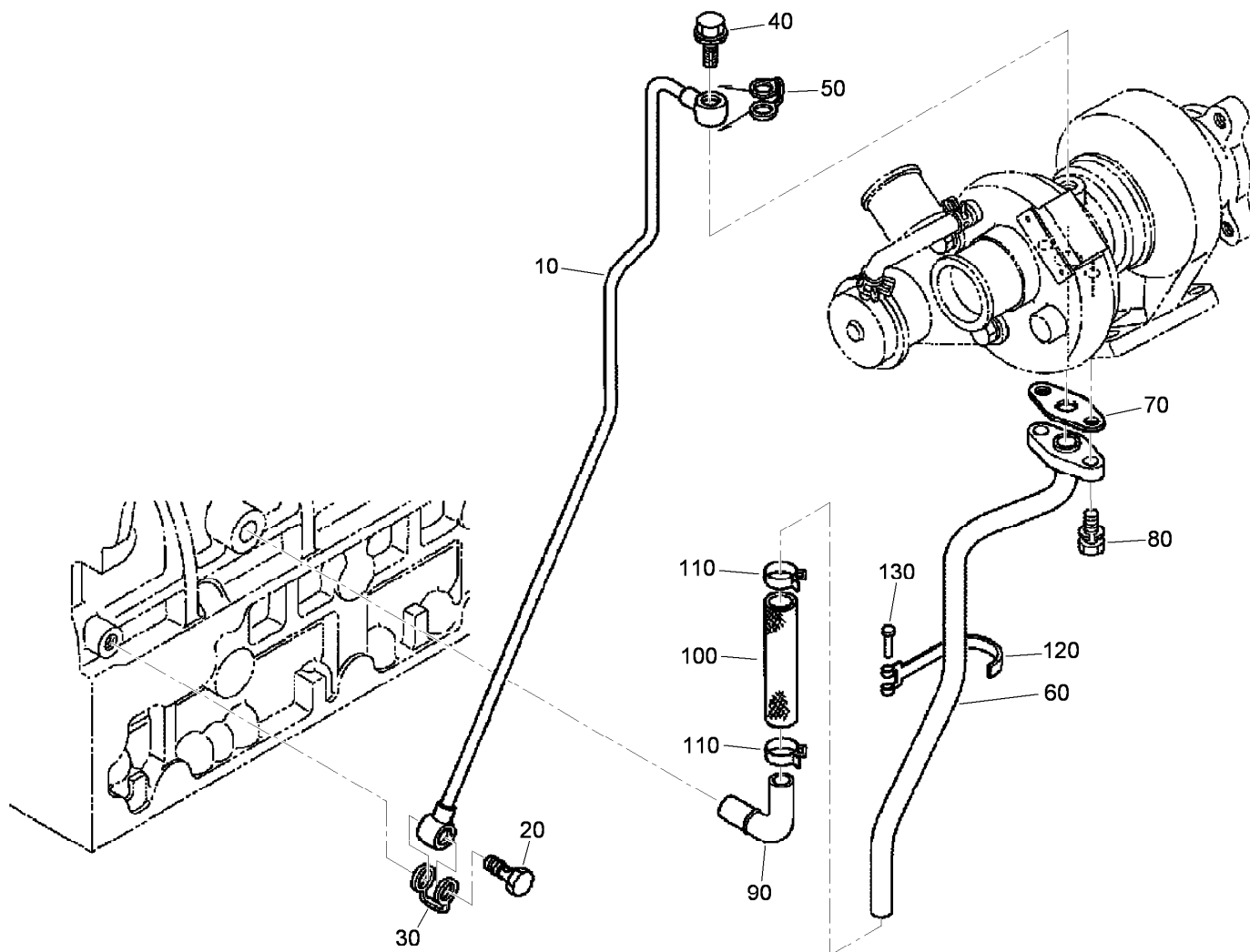
Ref.	Part Number	Qty.	Description
10	115-8627	1	Manifold-Inlet
20	100-9284	1	Gasket-Manifold, Intake
30	98-7610	1	Bolt
50	98-7654	1	Gasket
60	107-4317	1	Bolt-Flange
70	108-7092	1	Manifold-Exhaust
80	98-7802	1	Gasket
90	98-7803	1	Gasket
100	100-1558	6	Stud-Manifold, Exhaust
110	100-9288	8	Nut
120	100-9289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



Turbo Charger Assembly

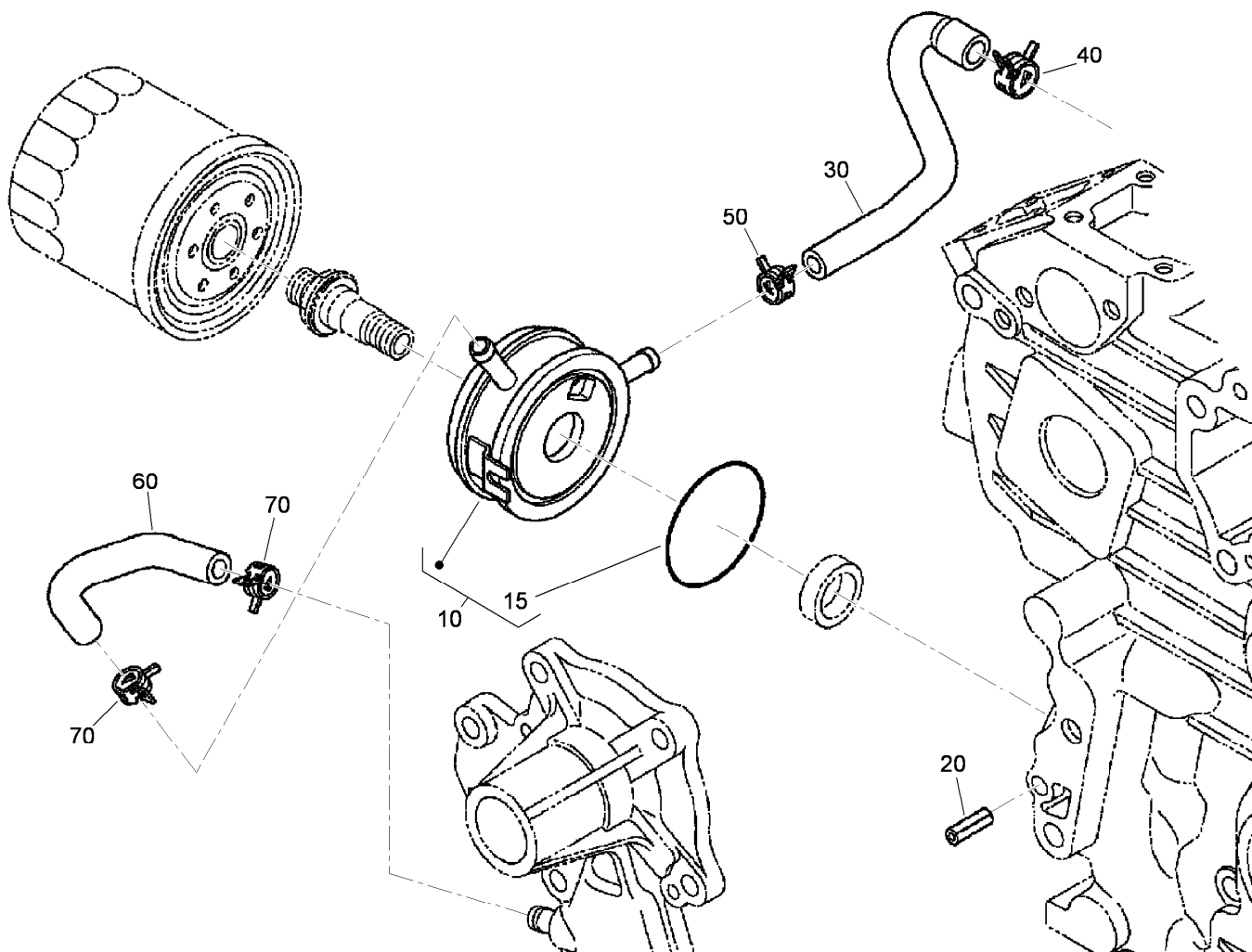
Ref.	Part Number	Qty.	Description
10	115-8628	1	Turbo Charger ASM
20	100-9314	1	Gasket
30	99-8342	4	Stud
40	98-7534	4	Nut
50	105-2893	4	Washer-Spring
60	108-7094	1	Flange-Muffler
70	100-9316	1	Gasket
80	98-7590	2	Bolt

Ref.	Part Number	Qty.	Description
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



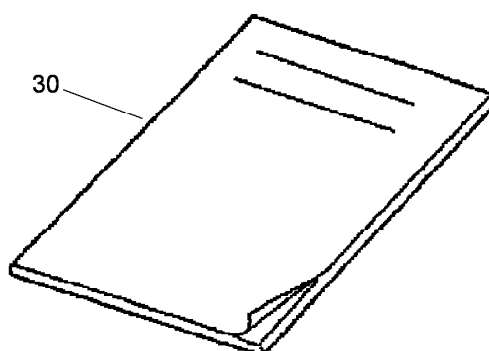
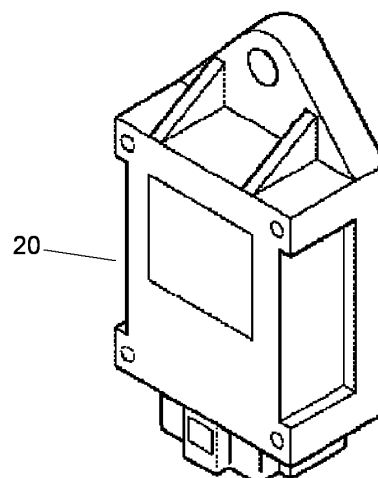
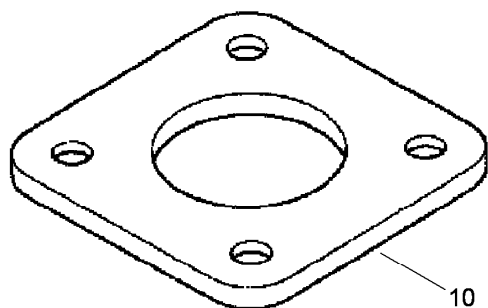
Oil Pipe (Turbo Charger) Assembly

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



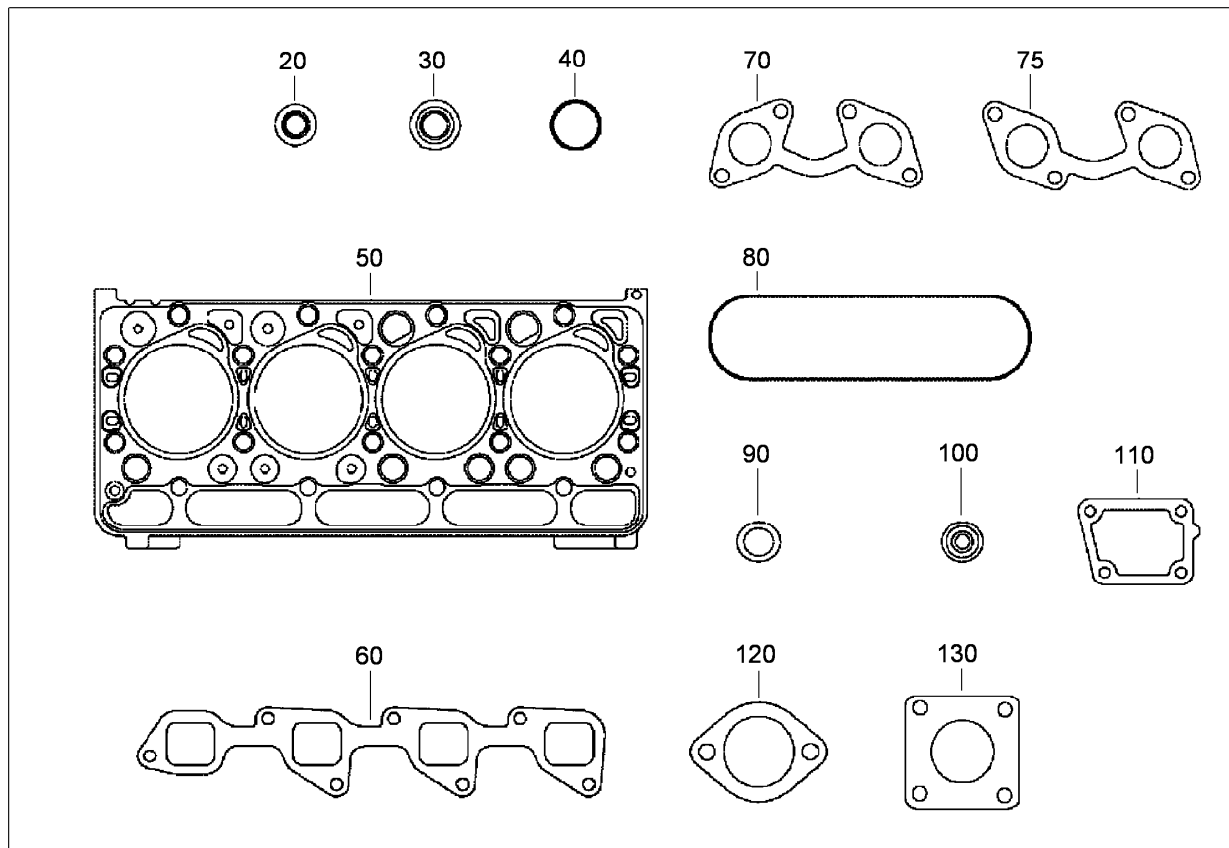
Oil Cooler Assembly

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



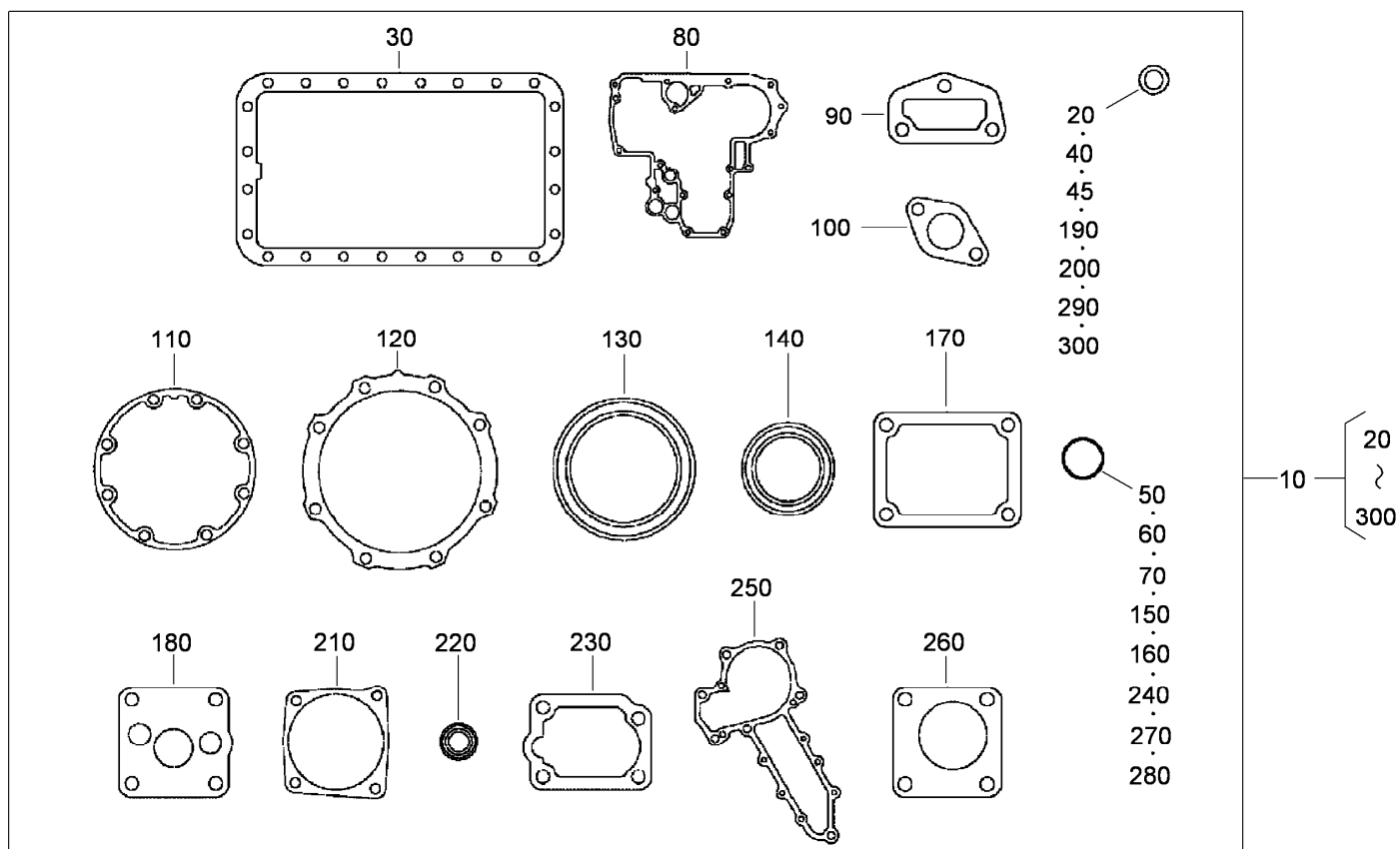
Muffler Gasket, Glow Controller and Operator Manual

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	100-9333	1	Gasket-Muffler
20	98-7611	1	Controller-Glow
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 30448N Groundsmaster 4000-D Rotary Mower

Product Name	Model/Part
Bumper ASM	106-4278-03
Blade-Atomic (21.75in)	107-0214-03
Premium All Season Hydraulic Fluid (55 Gallon Drum)	108-1177
Premium All Season Hydraulic Fluid (5 Gallon Pail)	108-1178
Atomic Blade Service Pack (7 Pack)	108-1450
Blade-Flat Sail (21.75in)	110-6115-03
Flat Blade Service Pack (7 Pack)	110-6130
90 Amp Alternator Kit	115-8473
Accessory Wiring Kit	115-8492
MVP Blade Kit	117-2722
Vinyl Backrest Extension Kit	119-7718
Beacon Kit	119-8328
Horn Kit	119-8329
Slow-Moving Vehicle Sign Kit	120-0476
Registration Plate Kit	120-7571
Premium Engine Oil 10w30 (55 Gallon Drum)	121-6392
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
Premium Engine Oil 15w40 (55 Gallon Drum)	121-6394
Premium Engine Oil 15w40 (5 Gallon Pail)	121-6395
MVP Filter Kit	30056
Hardtop Sunshade	30359
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
Air Conditioner Mounting Kit	30444
Road Light Kit	30452
CE Kit	30453
CE Light Kit	30454
Diagnostic Display Box	85-4750
Blade (21.75in)	92-5608-03
8in Foam Filled Wheel ASM	93-5974
Debris Blower Outlet Kit	95-5909



Count on it.