



Form No. 3451-559 Rev A

Count on it.

Parts Catalog

Groundsmaster® 3300

All-Wheel Drive Traction Unit

Model No. 31907—Serial No. 410100000 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.

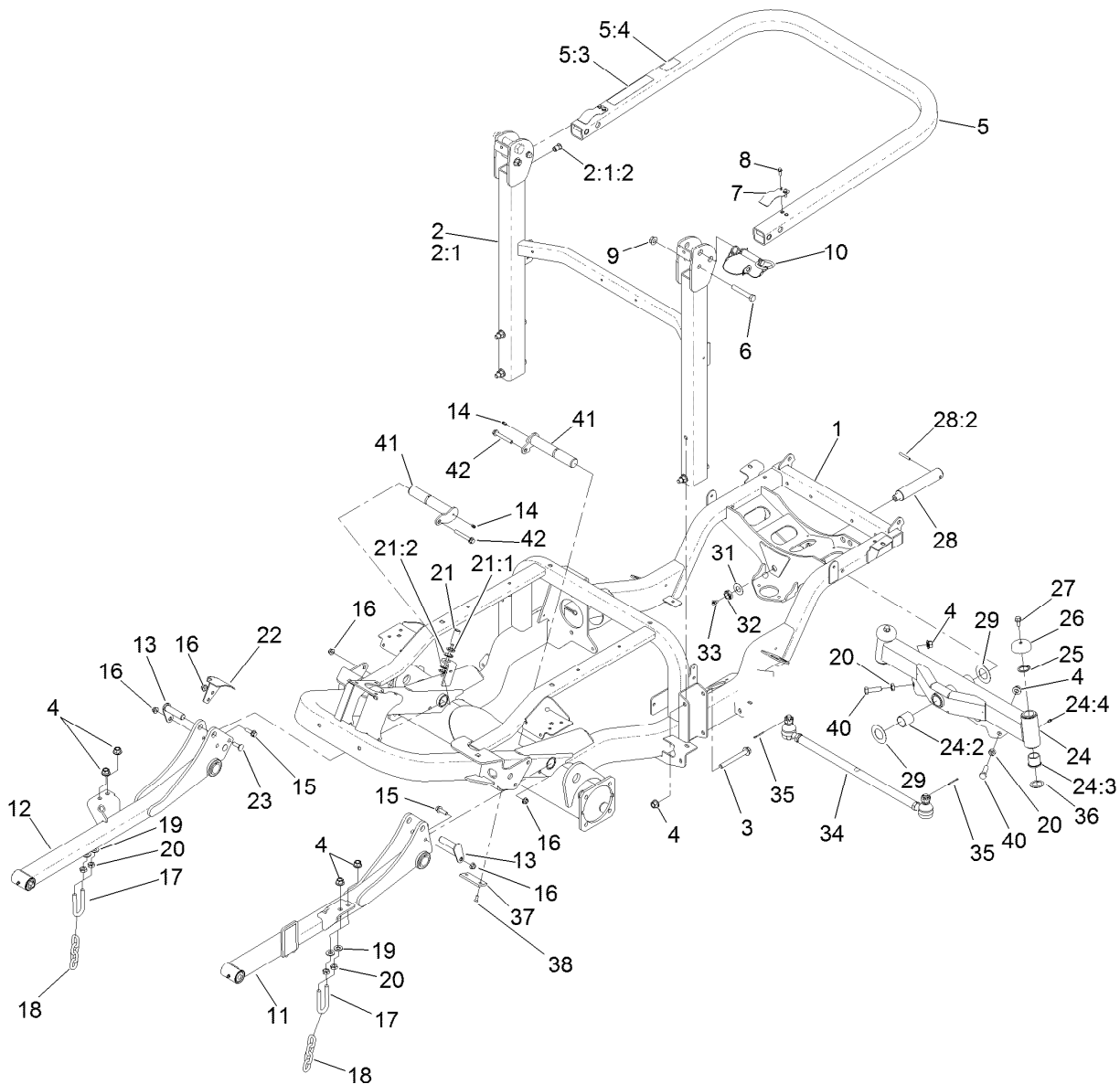
Reference Numbers Indicating Quantity

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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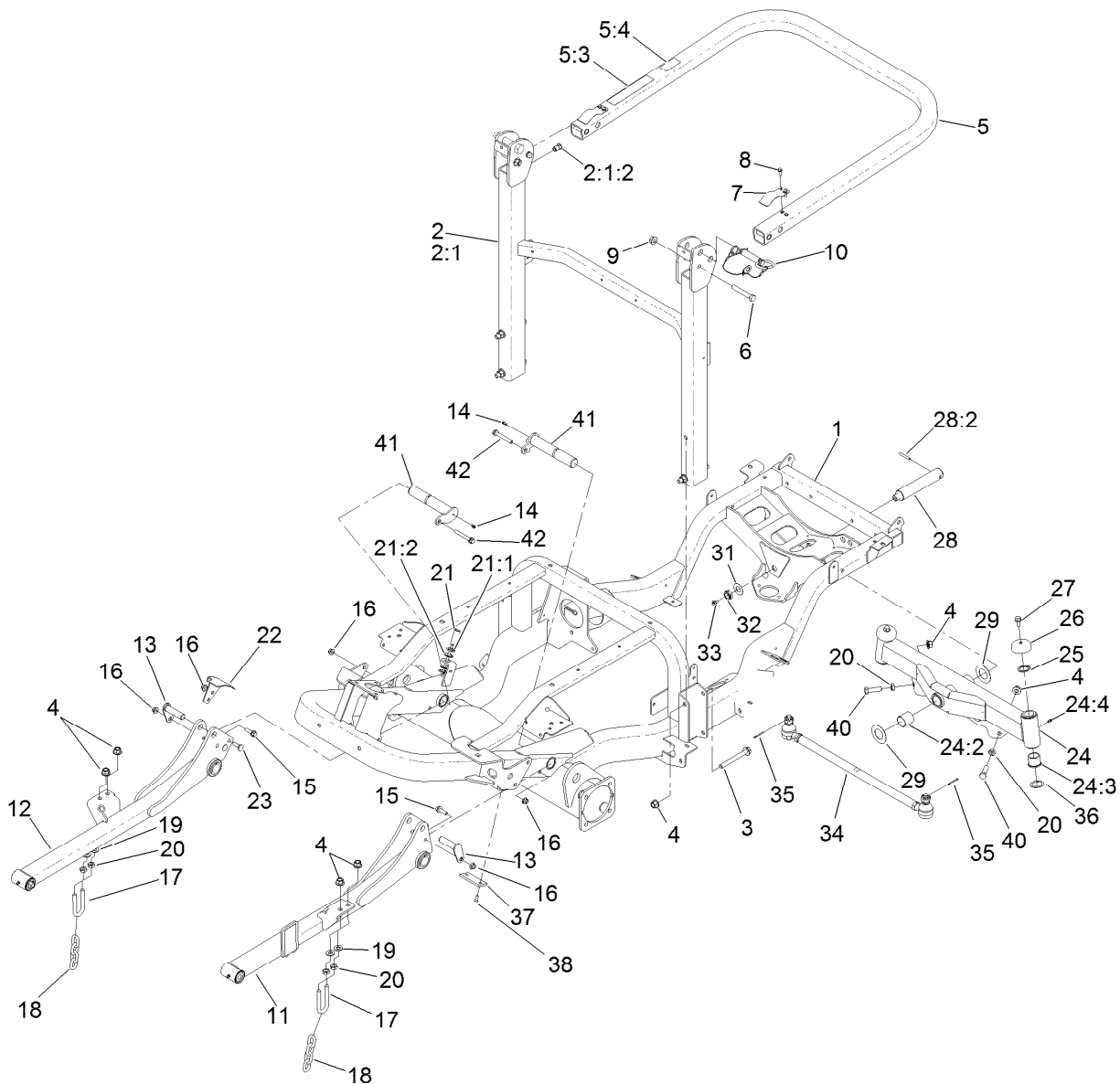
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Frame and Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	133-6450SP	1	Frame ASM	15	119-4061	2	Screw-HHF
2	139-6254SP	1	ROPS ASM, Lower	16	104-8301	6	Nut-HF, NI
2:1		1	ROPS ASM, Lower ●	17	104-0108	2	U-Bolt
2:1:2	138-2760	4	Nut-Clinch, Hex	18	95-6231	2	Chain-HOC
3	117-3176	4	Screw-HHF	19	3256-26	4	Washer-Flat
4	99-5107	10	Nut-Lock	20	3218-5	6	Nut-Jam
5	138-7470	1	ROPS ASM, Upper	21	115-5300	1	Proximity Switch ASM
5:3	108-2073	1	Decal-Warning	21:1	117-3207	2	Nut-Hex
5:4	139-6244	1	Decal-ROPS Compliance	21:2	117-3208	2	Washer-Lock, Internal Tooth
6	325-13	2	Screw-HH	22	139-6170-0P	1	Bracket-Sensor Mount [primed]
7	110-5696	2	Spring-Leaf	23	3231-2	2	Bolt-CARR
8	32105-15	4	Screw-HWH	24	138-4588	1	Axle ASM
9	32128-23	2	Nut-HF	24:2	99-6964	2	Bushing-Axle
10	103-4553	2	Pin-Fold, ROPS	24:3	104-0015	4	Bushing-Flange
11	138-7419SP	1	LH Lift Arm ASM	24:4	302-5	2	Fitting-Grease
12	138-7429SP	1	RH Lift Arm ASM	25	32151-77	2	Ring-Retaining, External
13	138-7489	2	Pin (Machined)	26	69-8890	2	Cap-Spindle
14	302-5	2	Fitting-Grease				

● Not serviced separately

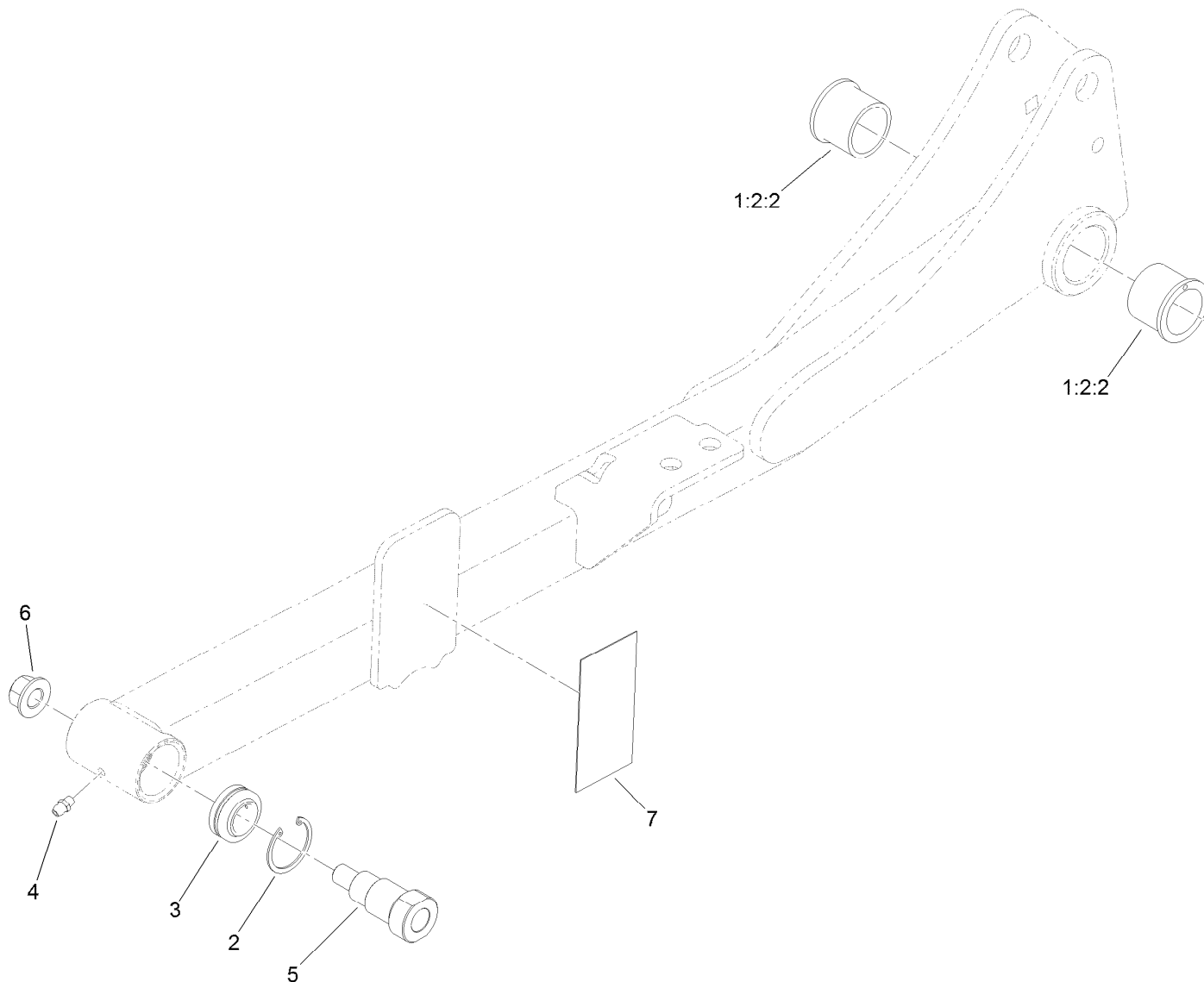


Frame and Roll-Over Protection System Assembly (continued)

Ref.	Part Number	Qty.	Description
27	3234-1	2	Screw-HHF
28	140-6101	1	Pin ASM-Axle Pivot
28:2	32121-32	1	Pin-Roll
29	99-8432	2	Washer-Thrust
31	71-4540	1	Washer-Thrust
32	3296-15	1	Nut-Lock, NI
33	302-33	1	Fitting-Grease
34	133-6462	1	Tie Rod ASM

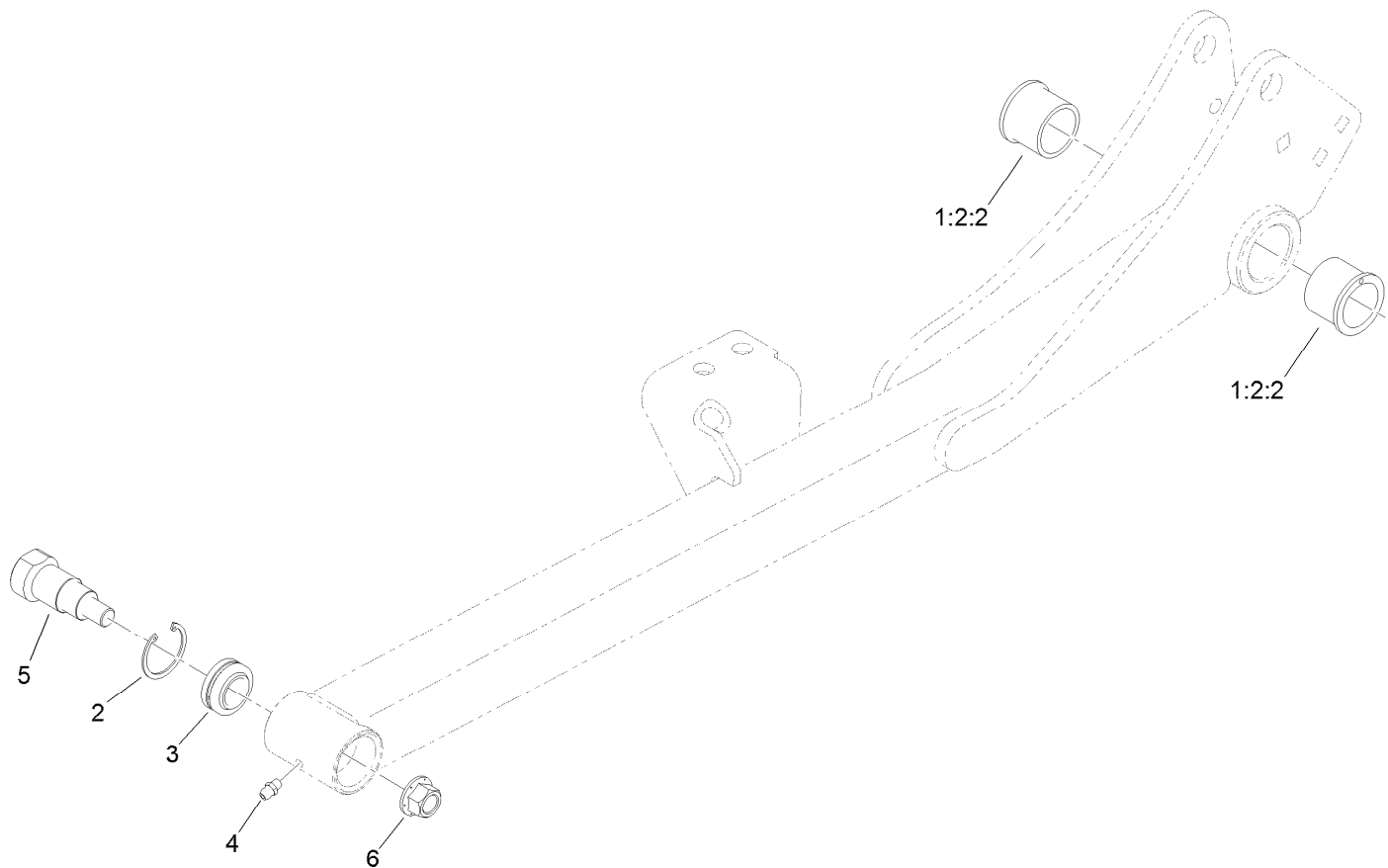
Ref.	Part Number	Qty.	Description
35	3272-12	2	Pin-Cotter
36	76-2980	2	Washer-Thrust
37	138-4452	2	Pad-Stop, Deck
38	3289-4	4	Screw-FH
40	325-7	2	Screw-HH
41	138-4593	2	Pin
42	133-9682	2	Screw-Hfh

● Not serviced separately



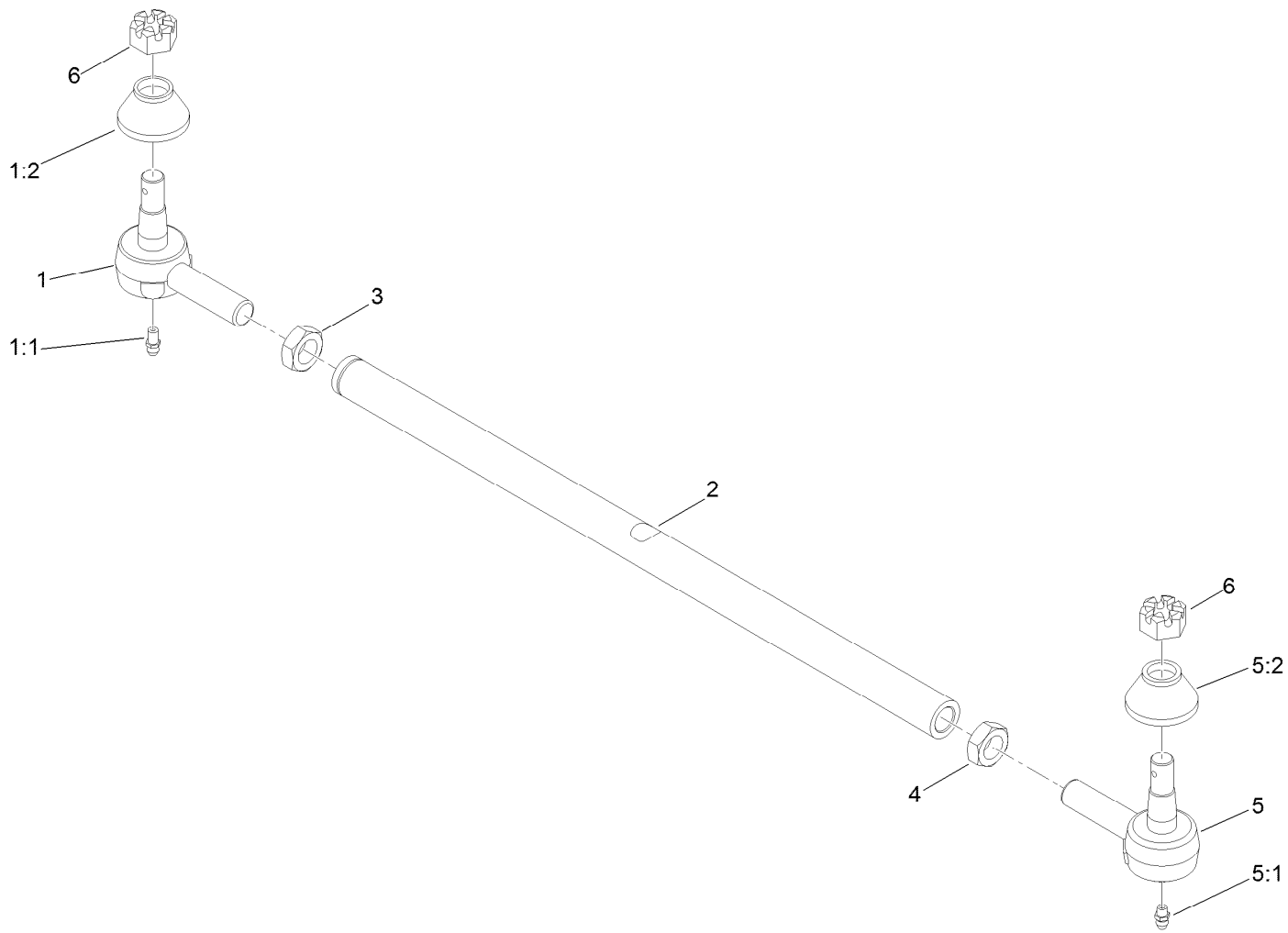
LH Lift Arm Assembly No. 138-7419SP

Ref.	Part Number	Qty.	Description
1:2:2	104-0015	2	Bushing-Flange
2	32151-34	1	Ring-Retaining
3	105-7441	1	Bearing-Spherical
4	302-5	1	Fitting-Grease
5	139-0910	1	Bolt-Shoulder
6	99-5107	1	Nut-Lock
7	139-0948	1	Pad-Ride, Pin



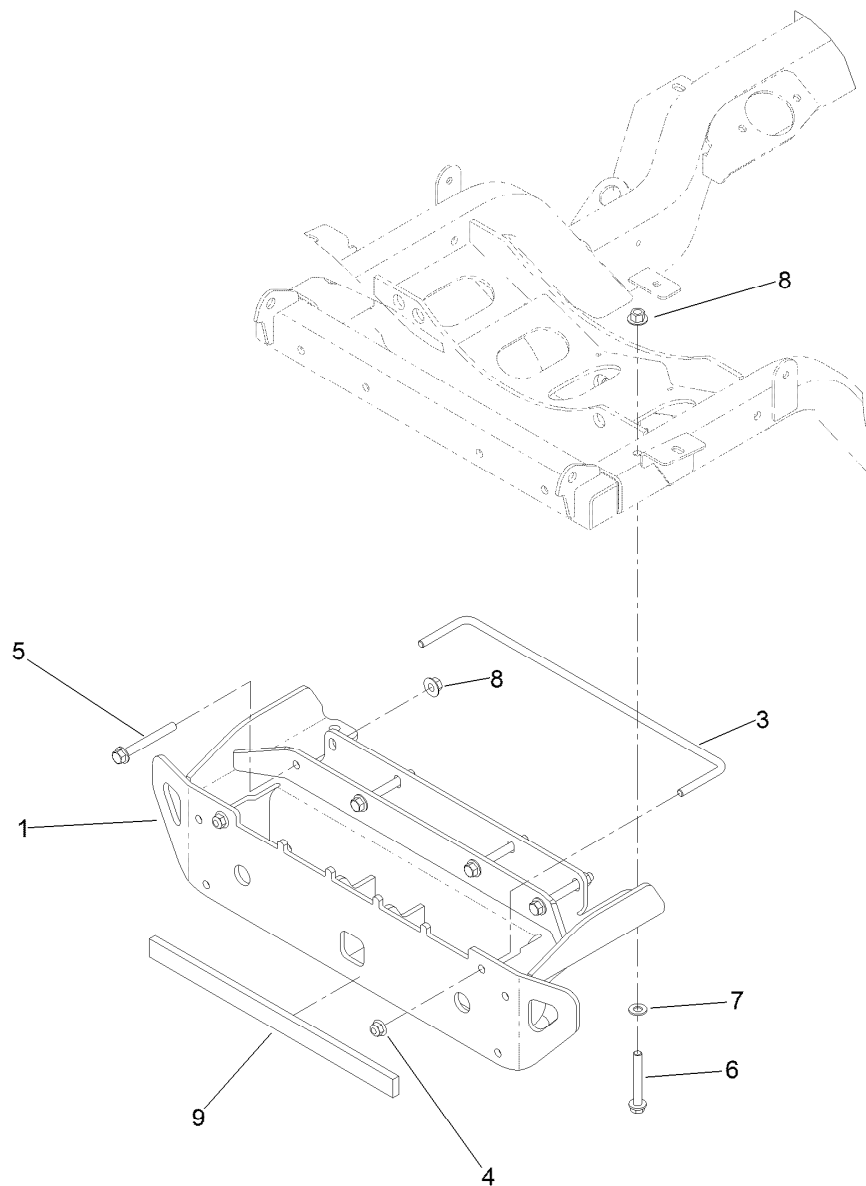
RH Lift Arm Assembly No. 138-7429SP

Ref.	Part Number	Qty.	Description
1:2:2	104-0015	2	Bushing-Flange
2	32151-34	1	Ring-Retaining
3	105-7441	1	Bearing-Spherical
4	302-5	1	Fitting-Grease
5	139-0910	1	Bolt-Shoulder
6	99-5107	1	Nut-Lock



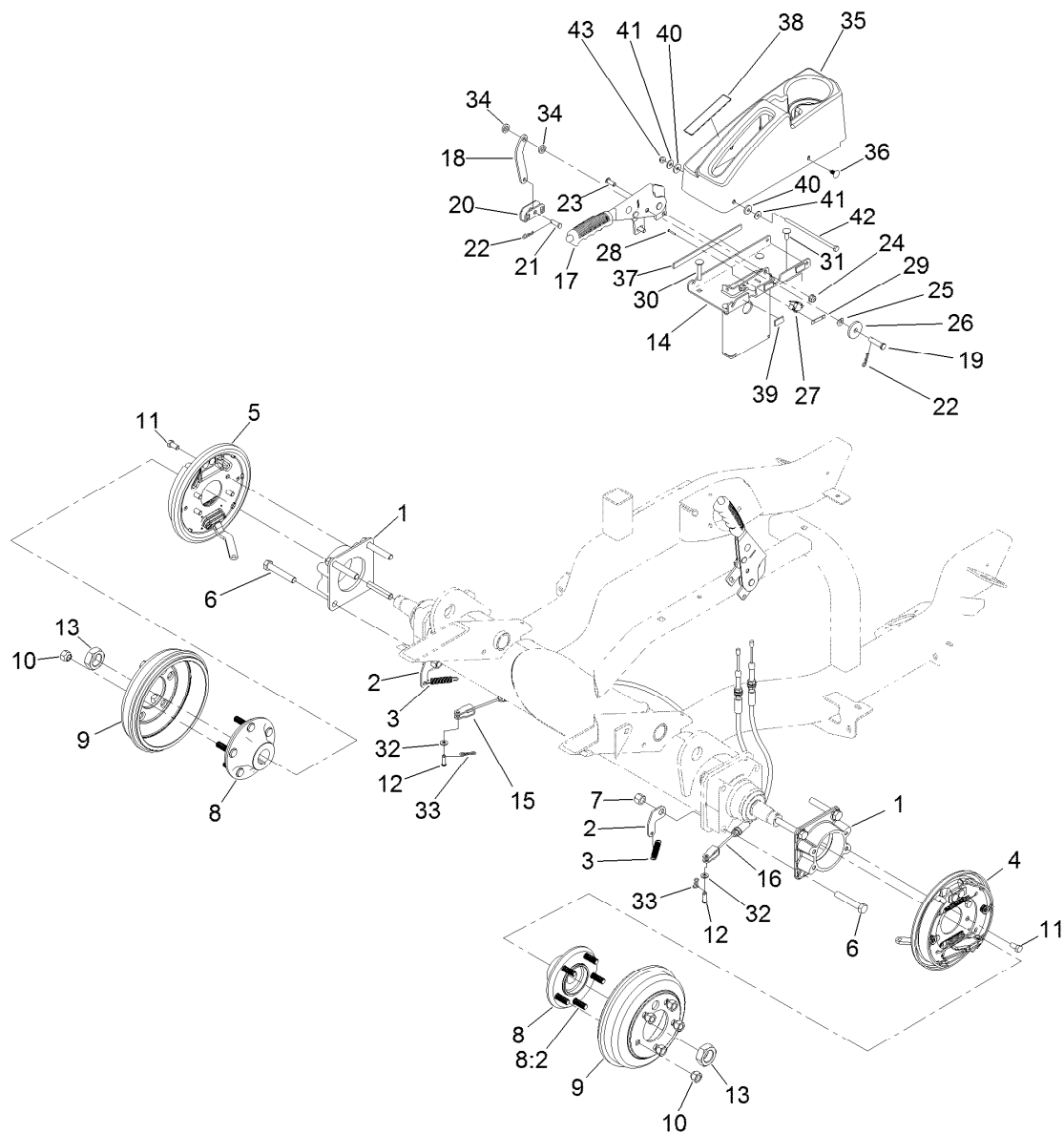
Tie Rod Assembly No. 133-6462

Ref.	Part Number	Qty.	Description
1	139-6199	1	Tie Rod End
1:1	302-5	1	Fitting-Grease
1:2	105-7835	1	Seal
2	133-6463	1	Tie-Rod
3	84-5300	1	Nut-Jam
4	110-5337	1	Nut-Jam
5	139-6200	1	Tie Rod End
5:1	302-5	1	Fitting-Grease
5:2	105-7835	1	Seal
6	140-6135	2	Nut-Hex, Slotted



Rear Bumper Assembly

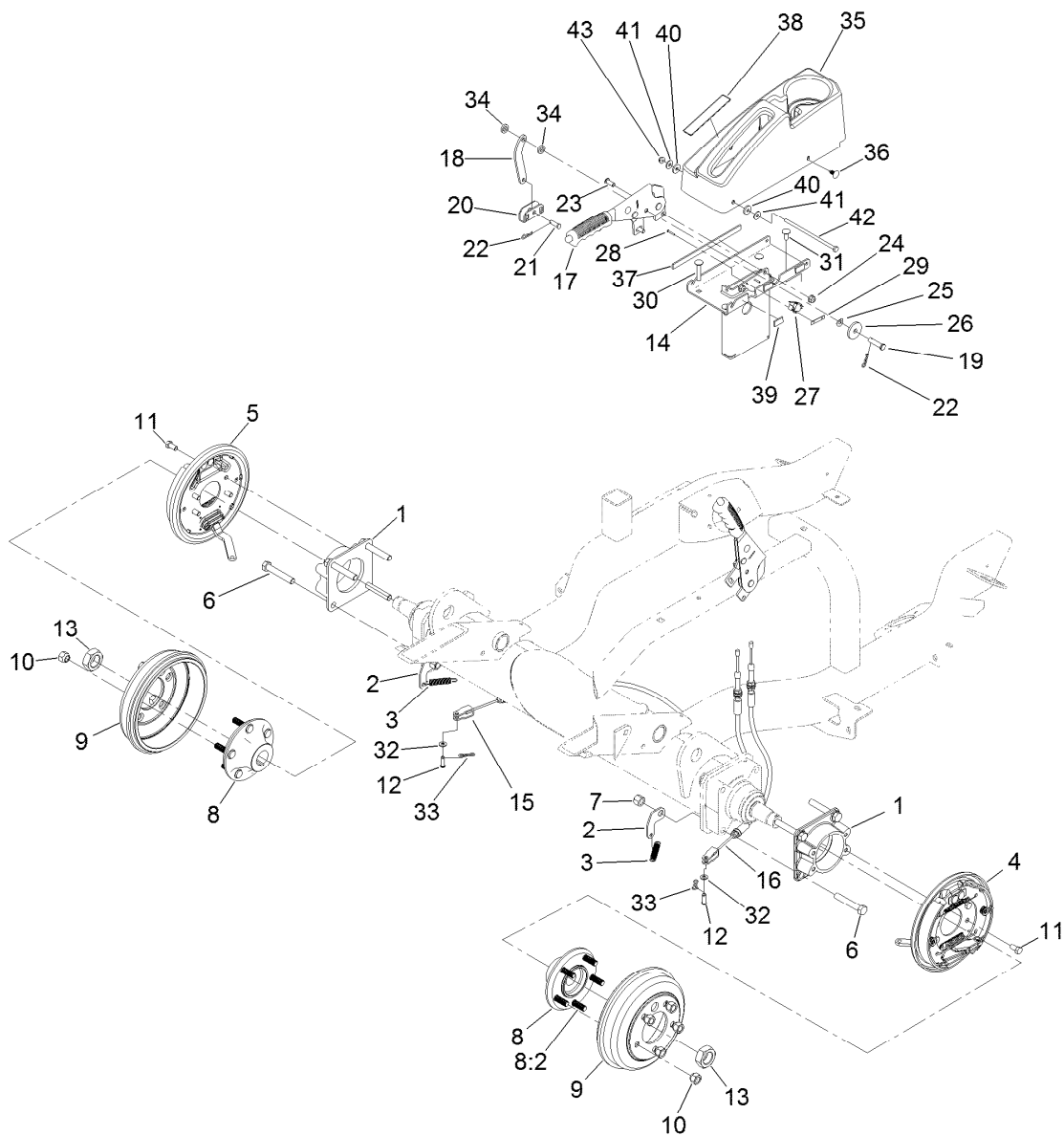
Ref.	Part Number	Qty.	Description
1	139-2328SP	1	Rear Bumper
3	125-2667	1	Lock-Weight
4	104-8301	2	Nut-HF, NI
5	3234-41	4	Screw-HHF
6	139-2429	2	Screw-HHF
7	3256-24	2	Washer-Flat
8	32128-43	6	Nut-Flange
9	144-0553	1	Strip-Rubber



Front Axle and Parking Brake Assembly

Ref.	Part Number	Qty.	Description
1	120-6253-03	2	Adapter-Brake
2	138-4499	2	Clip-Spring
3	137-2591	2	Spring-Extension
4	120-0235	1	LH Brake ASM
5	120-0233	1	RH Brake ASM
6	325-12	8	Screw-HH
7	3296-23	8	Nut-Lock, NI
8	137-2470	2	Hub ASM
8:2	114-3918	5	Stud-Wheel
9	114-8864	2	Drum-Brake
10	242-50	10	Nut-Lug
11	323-4	8	Screw-HH
12	283-58	2	Pin-Clevis
13	107-9319	2	Nut-Hex
14	144-0517-0P	1	Parking Brake Mount
			[primed]
15	137-2640	1	Cable-Brake, Adjustable RH
16	137-2641	1	Cable-Brake, Adjustable LH
17	131-8320	1	Lever-Brake, Park
18	144-0516	1	Link-Park, Brake
19	283-10	1	Pin-Clevis

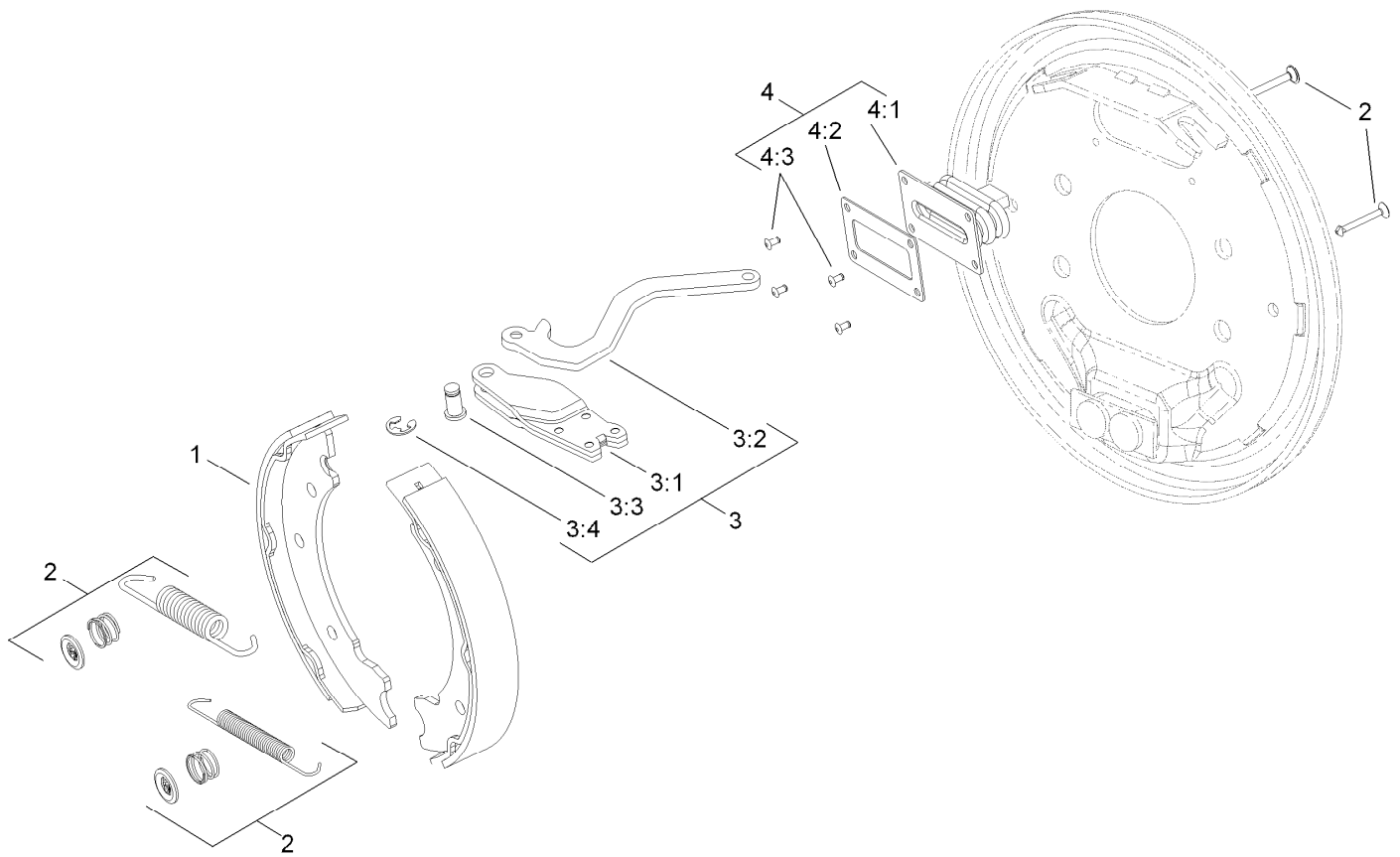
Ref.	Part Number	Qty.	Description
20	87-3480	1	Bracket-Equalizer, Cable
21	1-808280	1	Pin-Clevis
22	1-806003	2	Pin-Cotter
23	3274-55	2	Screw-HSBH
24	104-8300	6	Nut-HF, NI
25	121-4605	1	Washer-Spring
26	131-8496	1	Washer-Plain
27	108-6496	1	Switch (W/Boot)
28	95-3003	2	Screw-PPHTF
29	3290-354	1	Nut-Speed
30	116-0629	2	Screw-CARR
31	3230-23	2	Bolt-CARR
32	3256-74	2	Washer-Flat
33	119-1415	2	Pin-Cotter, Locking
34	3-3287	2	Spacer
35	138-7475	1	Cover-Brake, Parking
36	117-2382	2	Plug-Plastic
37	132-7282	1	Strip-Foam
38	139-6224	1	Decal-Parking Brake
39	115-5417	3	Strip-Foam
40	144-0499	2	Washer-Epdm



Front Axle and Parking Brake Assembly (continued)

Ref.	Part Number	Qty.	Description
41	3256-78	2	Washer-Flat

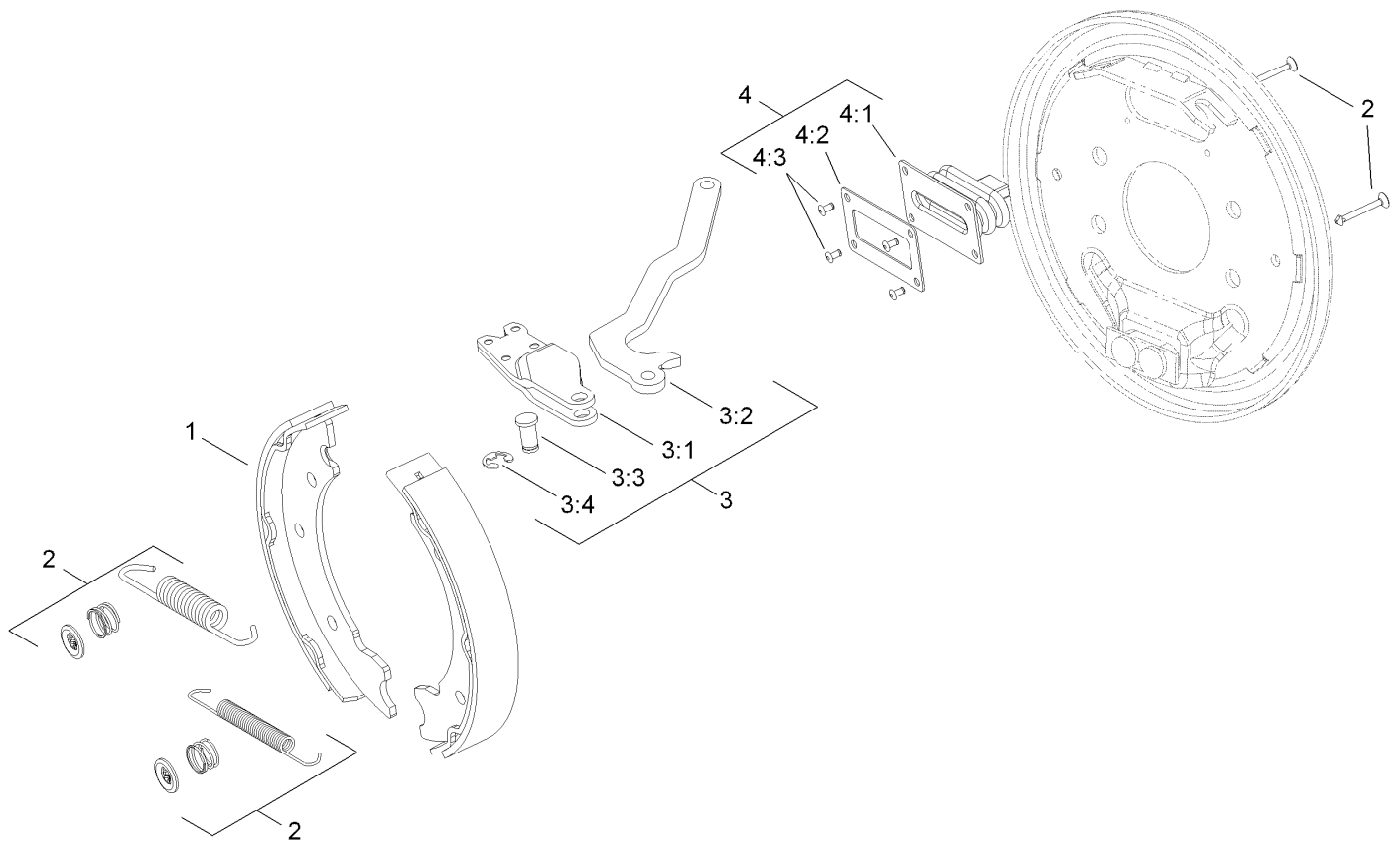
Ref.	Part Number	Qty.	Description
42	321-21	1	Screw-HH
43	104-7201	1	Nut-HF, NI



Left Hand Brake Assembly No. 120-0235

Ref.	Part Number	Qty.	Description
1	139-5950	1	Brake Shoe Kit
2	108-6983	1	Brake Hardware Kit
3	120-0236	1	LH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-LH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

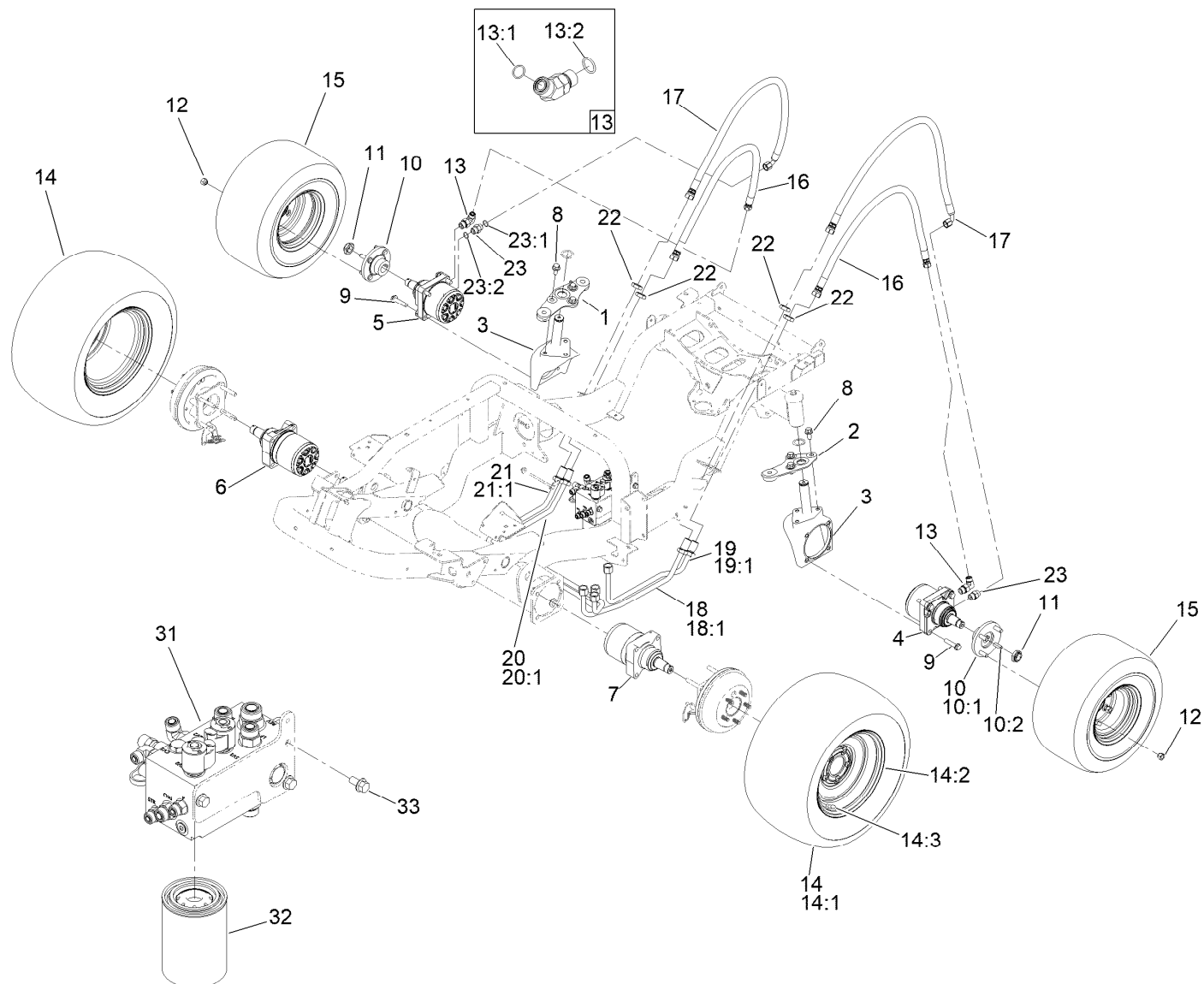
● Not serviced separately



Right Hand Brake Assembly No. 120-0233

Ref.	Part Number	Qty.	Description
1	139-5950	1	Brake Shoe Kit
2	108-6983	1	Brake Hardware Kit
3	120-0234	1	RH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-RH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

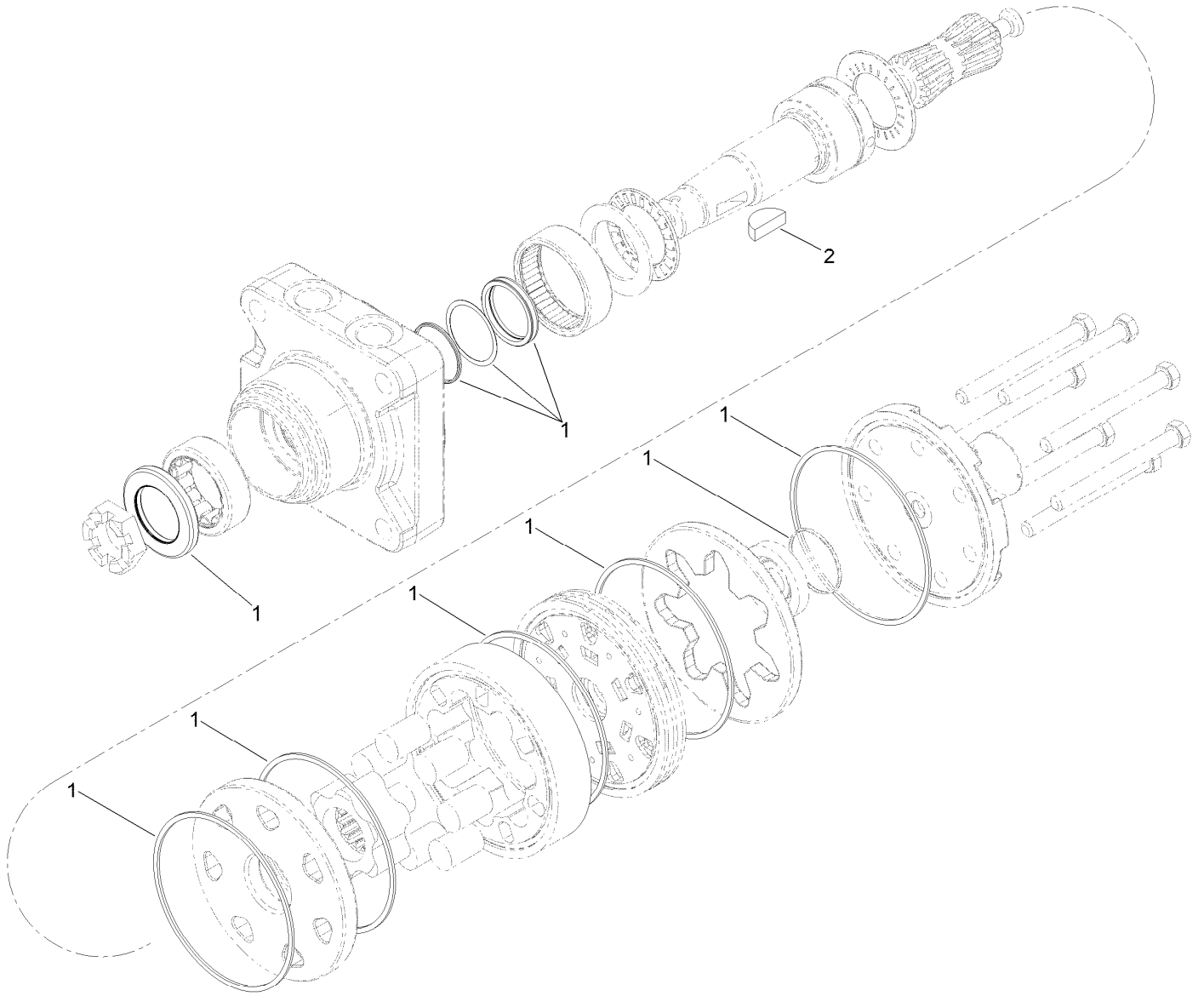
● Not serviced separately



Hydraulic Drive Assembly

Ref.	Part Number	Qty.	Description
1	140-3142	1	Link-Drag, RH
2	140-3144	1	Link-Drag, LH
3	107-4517-03	2	Housing-Motor
4	138-0303	1	Motor-Hydraulic, CCW
5	138-0304	1	Motor-Hydraulic, CW
6	137-2478	1	Motor-Hydraulic, CW
7	137-2458	1	Motor-Hydraulic, CCW
8	3234-38	6	Screw-HHF
9	3234-46	8	Screw-HHF
10	18-3209	2	Wheel Hub/Stud ASM
10:1	10-6870-03	1	Hub-Wheel
10:2	10-6830	4	Stud-Type, Drive
11	116-1399	2	Locknut
12	242-50	8	Nut-Lug
13	340-105	2	Fitting-Elbow, 90 DEG
13:1	237-80	1	O-Ring
13:2	237-30	1	O-Ring
14	137-2590	2	Wheel ASM
14:1	137-2594	1	Tire
14:2	137-2595	1	Rim

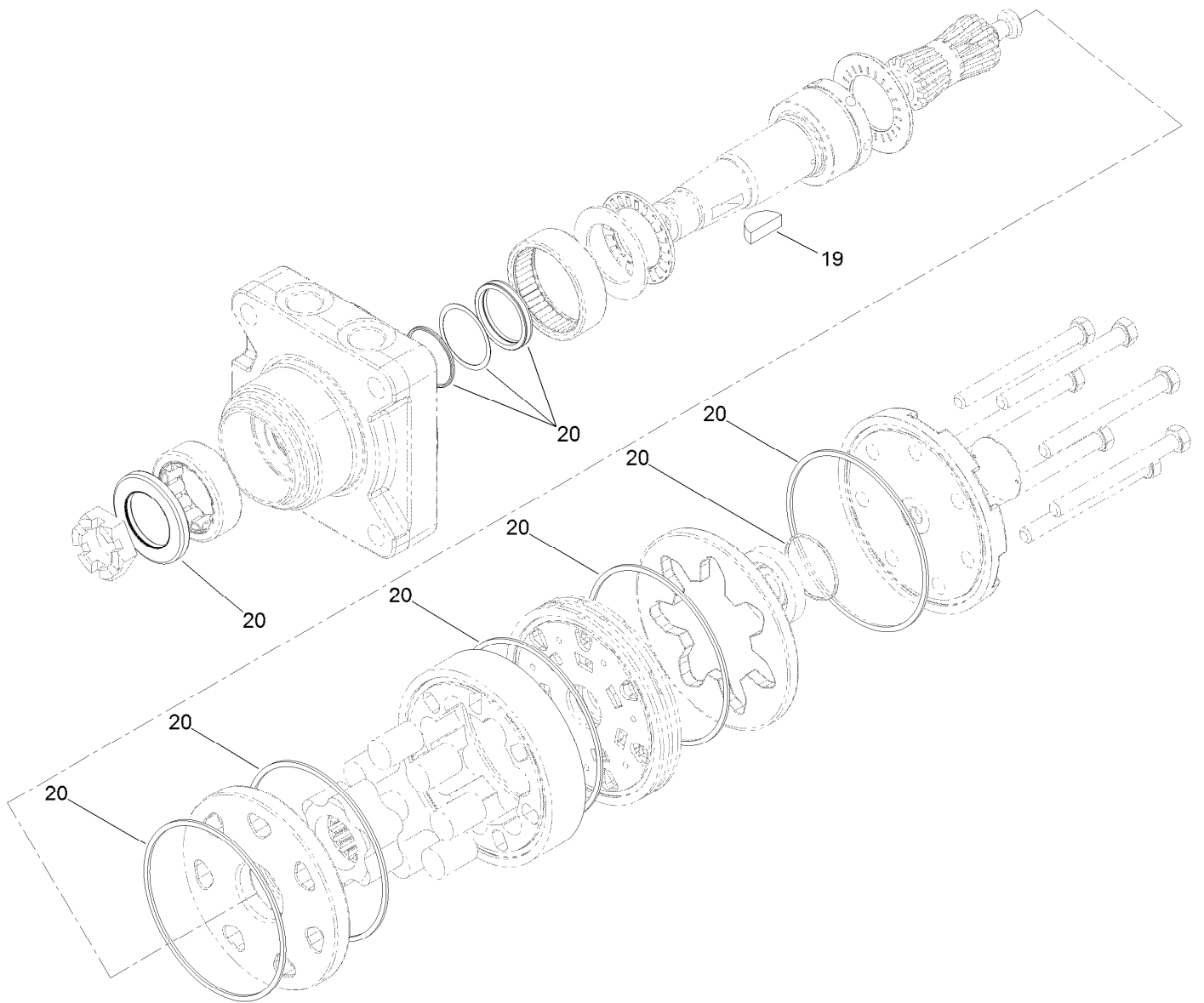
Ref.	Part Number	Qty.	Description
14:3	232-27	1	Stem-Valve
15	137-2592	2	Wheel ASM
16	144-3929	2	Hose ASM, Hydraulic
17	144-3928	2	Hose ASM, Hydraulic
18	138-0334	1	Hydraulic Tube ASM
18:1	237-65	1	O-Ring
19	138-0335	1	Hydraulic Tube ASM
19:1	237-65	1	O-Ring
20	138-0337	1	Hydraulic Tube ASM
20:1	237-65	1	O-Ring
21	138-0338	1	Hydraulic Tube ASM
21:1	237-65	1	O-Ring
22	340-74	4	Nut-Lock, Bulkhead
23	340-6	2	Fitting-Straight
23:1	237-30	1	O-Ring
23:2	237-80	1	O-Ring
31	138-4489	1	Manifold-Steering/Lift
32	86-3010	1	Filter-Oil
33	3234-1	3	Screw-HHF



Hydraulic Motor Assembly No. 138-0303

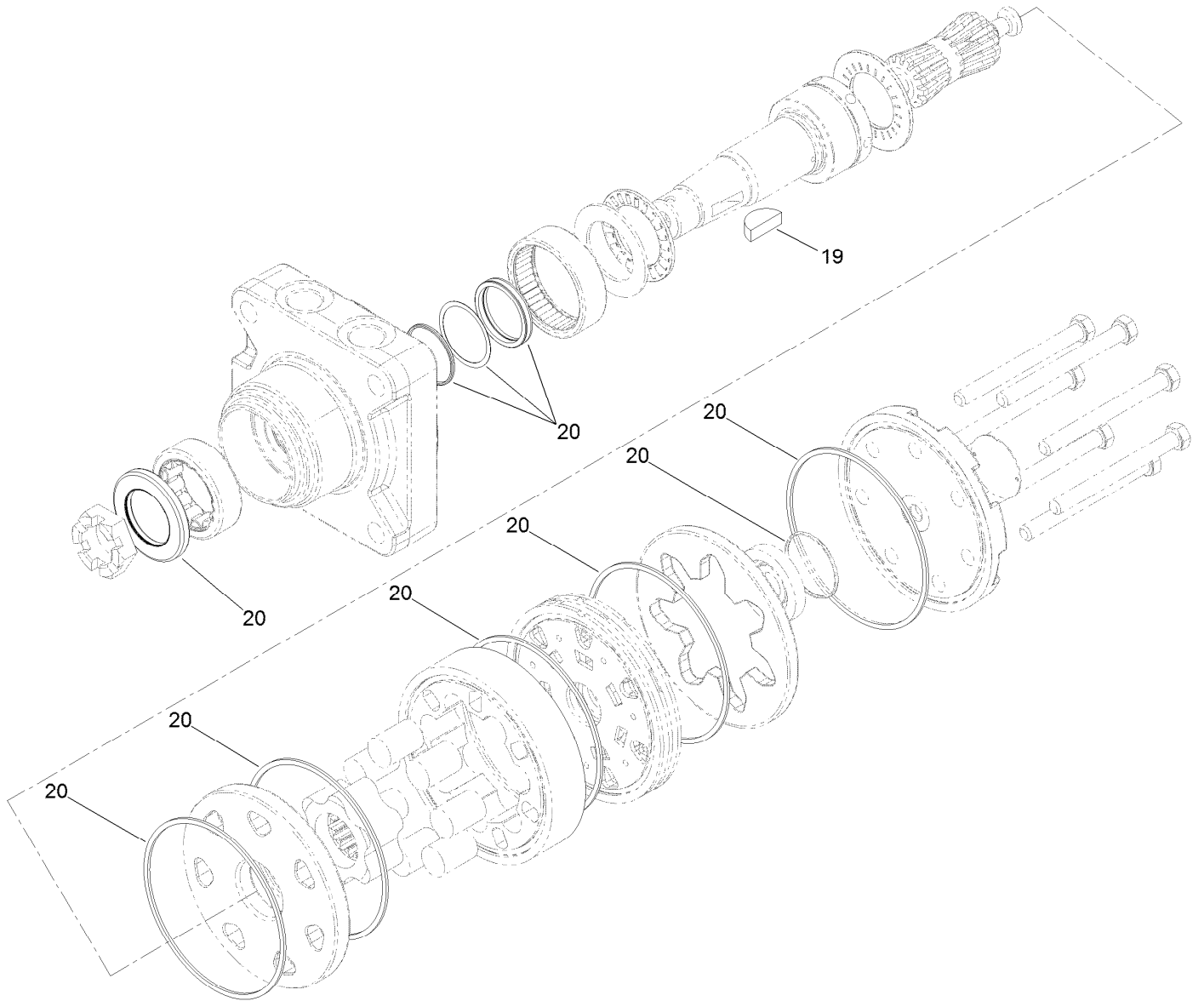
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-8897	1	Seal Kit
2	3257-42	1	Key-Woodruff

E2A7



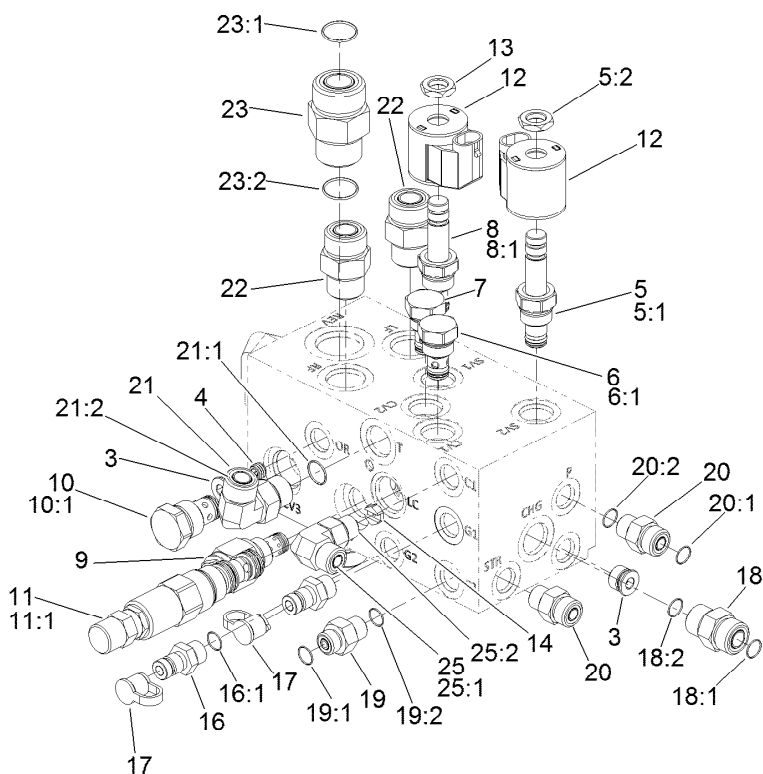
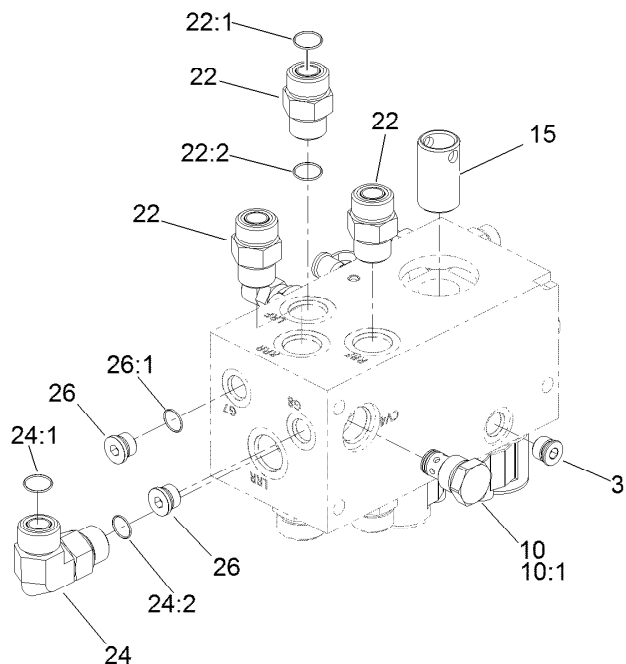
Hydraulic Motor Assembly No. 137-2478

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
19	3257-42	1	Key-Woodruff
20	110-8896	1	Seal Kit



Hydraulic Motor Assembly No. 137-2458

Ref.	Part Number	Qty.	Description
19	3257-42	1	Key-Woodruff
20	110-8896	1	Seal Kit

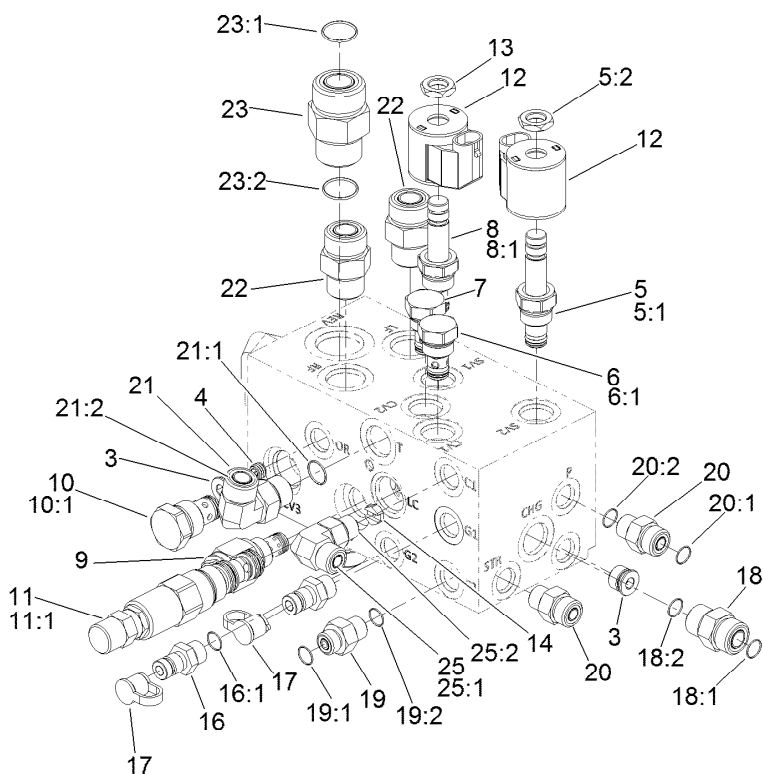


Steer/Lift Manifold Assembly No. 138-4489

Ref.	Part Number	Qty.	Description
3	112-9213	3	Plug
4	110-8883	1	Plug-Orifice (0.040)
5	112-9206	1	Solenoid Valve ASM
5:1	105-9156	1	Seal Kit
5:2	110-2634	1	Nut-Coil
6	114-2873	1	Check Valve ASM
6:1	105-9156	1	Seal Kit
7	139-1213	1	Valve-Check
8	120-6562	1	Valve-Solenoid
8:1	105-9156	1	Seal Kit
9	139-6298	1	Valve-Relief (Bi-Directional)
10	110-8881	2	Valve-Check
10:1	105-9159	1	Seal Kit ●
11	144-0501	1	Valve-Logic, 220 PSI (Adjustable)
11:1	119-2159	1	Seal Kit
12	110-0497	2	Coil-Solenoid
13	110-2634	2	Nut-Coil

Ref.	Part Number	Qty.	Description
14	139-6296	1	Orifice-Check 0.100 DIA
15	139-6297	1	Nipple-Filter
16	59-7410	2	Fitting-Diagnostic
16:1	237-42	1	O-Ring
17	354-79	2	Cap-Dust
18	340-4	1	Fitting-Straight
18:1	237-30	1	O-Ring
18:2	237-79	1	O-Ring
19	340-1	1	Fitting-Straight
19:1	237-21	1	O-Ring
19:2	237-42	1	O-Ring
20	340-2	2	Fitting-Straight
20:1	237-22	1	O-Ring
20:2	237-42	1	O-Ring
21	340-98	1	Fitting-Elbow, 90 DEG
21:1	237-79	1	O-Ring ●
21:2	237-30	1	O-Ring ●
22	340-7	5	Fitting-Straight

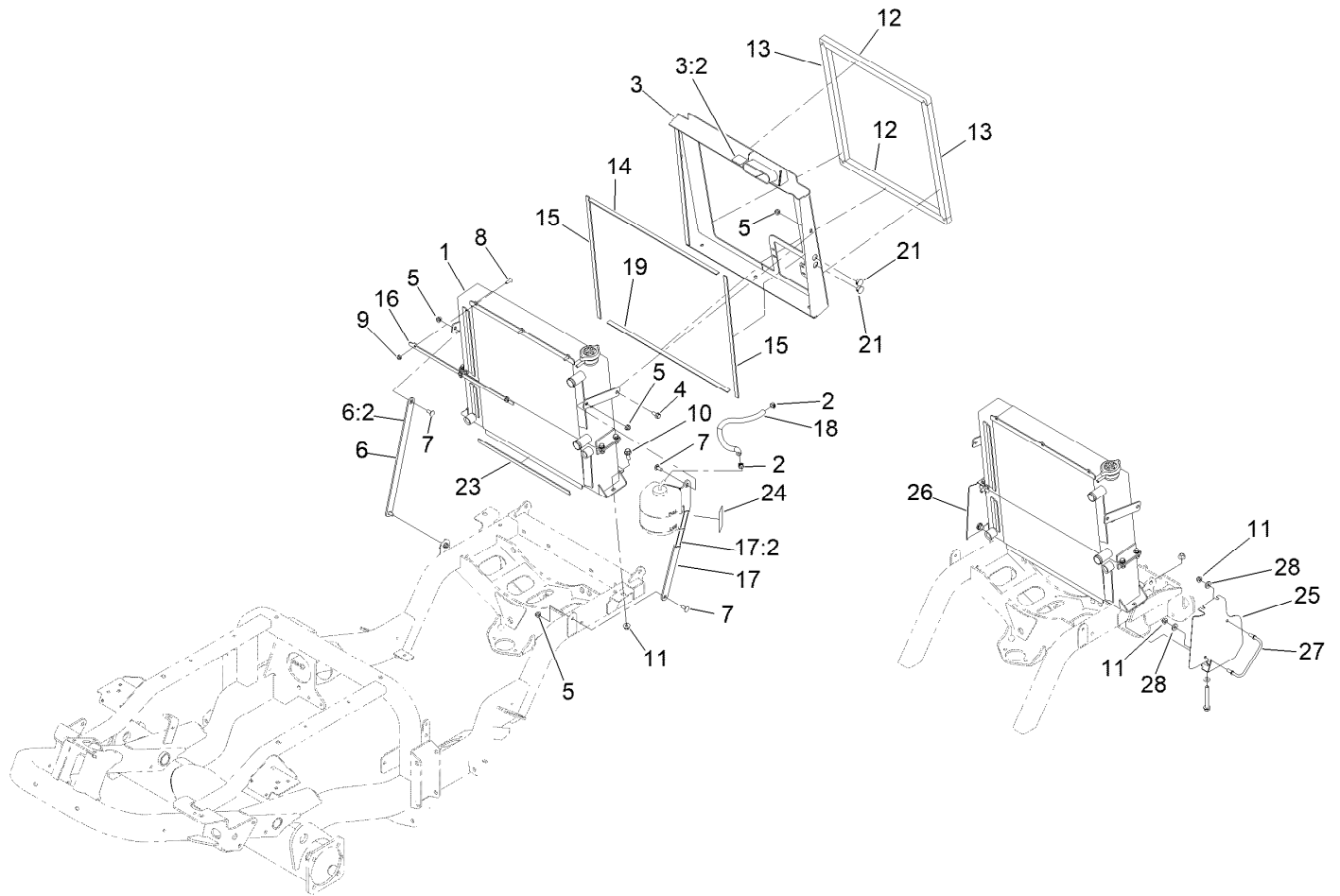
● Not illustrated



Ref.	Part Number	Qty.	Description
22:1	237-65	1	O-Ring
22:2	237-80	1	O-Ring
23	340-9	1	Fitting-STR
23:1	237-58	1	O-Ring
23:2	237-81	1	O-Ring
24	340-17	1	Fitting-Elbow, 90 DEG
24:1	237-65	1	O-Ring

Ref.	Part Number	Qty.	Description
24:2	237-80	1	O-Ring
25	340-77	1	Fitting-Elbow, 90 DEG
25:1	237-22	1	O-Ring
25:2	237-42	1	O-Ring
26	353-989	2	Plug-Hex, Hollow
26:1	237-42	1	O-Ring

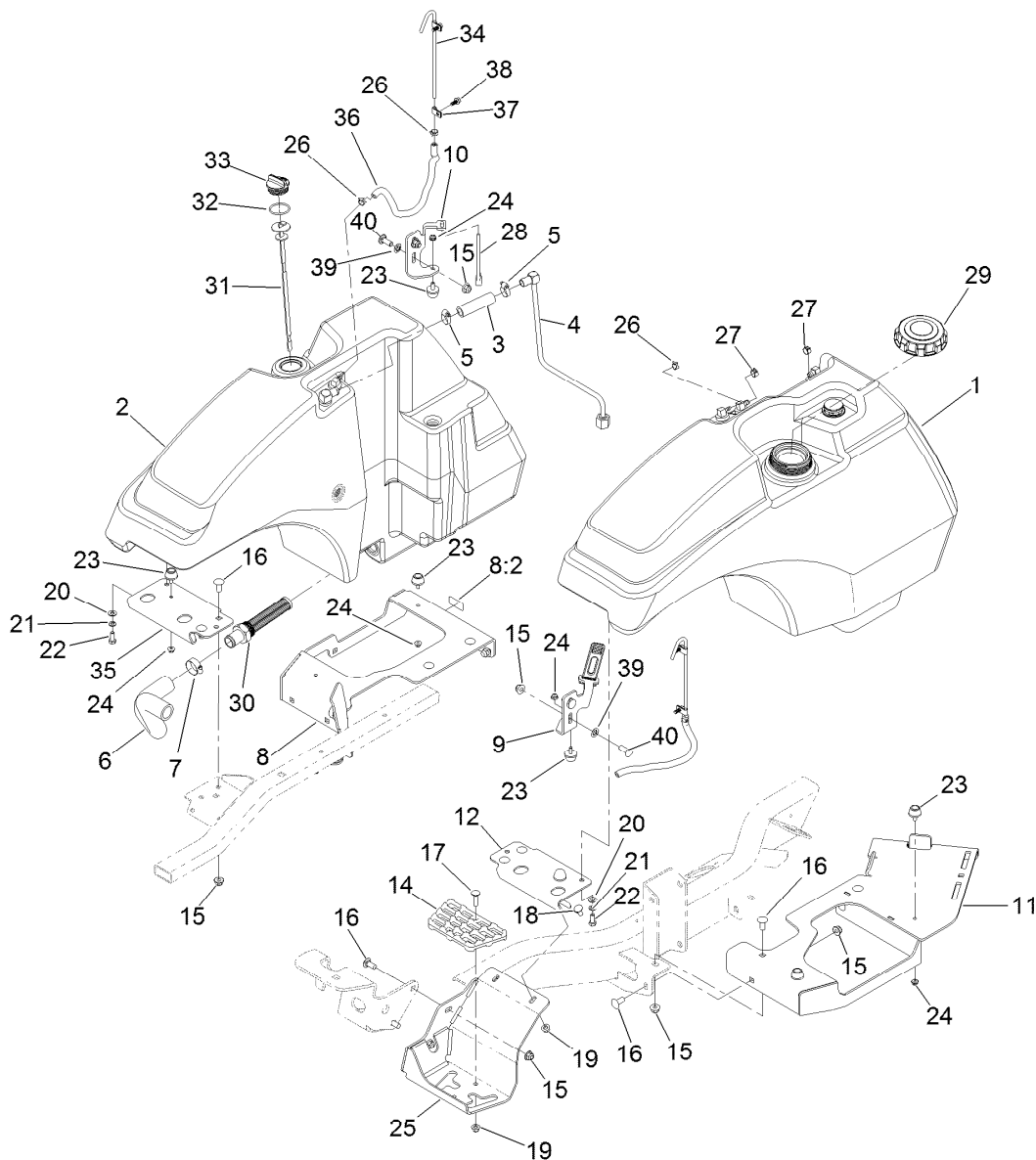
E2B1



Radiator and Cooler Assembly

Ref.	Part Number	Qty.	Description
1	138-7420	1	Radiator/Oil Cooler ASM
2	92-2379	2	Clamp-Hose
3	139-6232	1	Shroud-Cooler ASM
3:2	115-8155	1	Decal-Warning
4	3234-47	2	Screw-HHF
5	104-8300	15	Nut-HF, NI
6	139-6229	1	Strap-Cooler
6:2	93-7272	1	Decal-Warning
7	3230-23	9	Bolt-CARR
8	1-807512	3	Bolt-CARR
9	104-7201	3	Nut-HF, NI
10	3234-42	2	Screw-HHF
11	104-8301	2	Nut-HF, NI
12	138-4410	2	Seal-Foam
13	138-4411	2	Seal-Foam

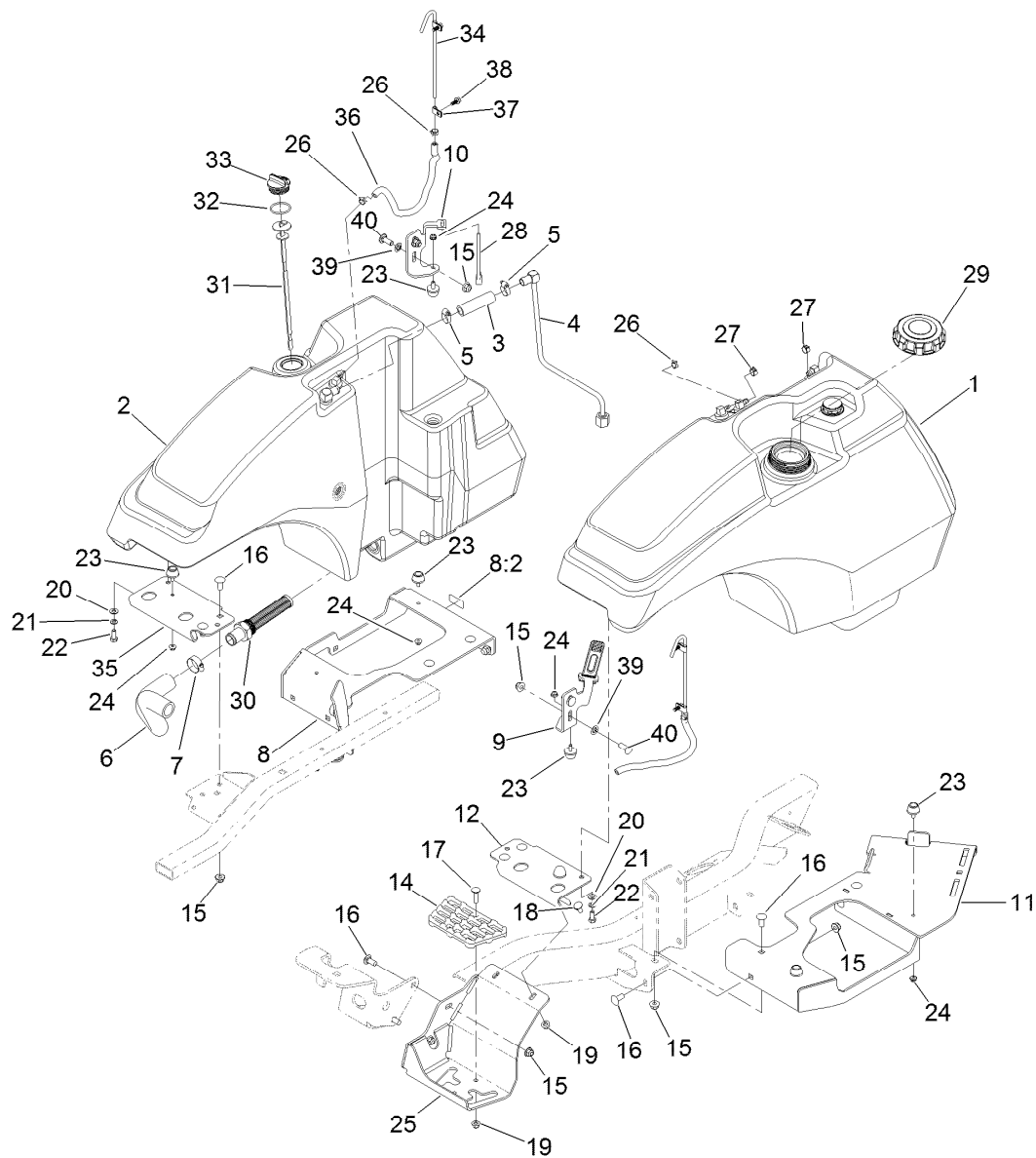
Ref.	Part Number	Qty.	Description
14	138-4453	1	Foam-Radiator
15	138-4454	2	Foam-Radiator, Side
16	138-4461-0P	1	Bracket-Shroud Retainer
17	139-6230	1	Bracket-Bottle Mount
17:2	93-7272	1	Decal-Warning
18	106-1126	1	Hose-Fuel
19	108-1393	1	Strip-Foam
21	130-8439	2	Plug-Dome
23	130-9182	1	Foam-Radiator, Short
24	144-0472	1	Decal-Coolant Level
25	144-0537-03	1	Bracket-Cooler Shroud, LH
26	144-0544-03	1	Bracket-Cooler Shroud, RH
27	144-3905	2	Guide-Hose
28	88-7200	4	Washer-Flat



Fuel and Hydraulic Tank Assembly

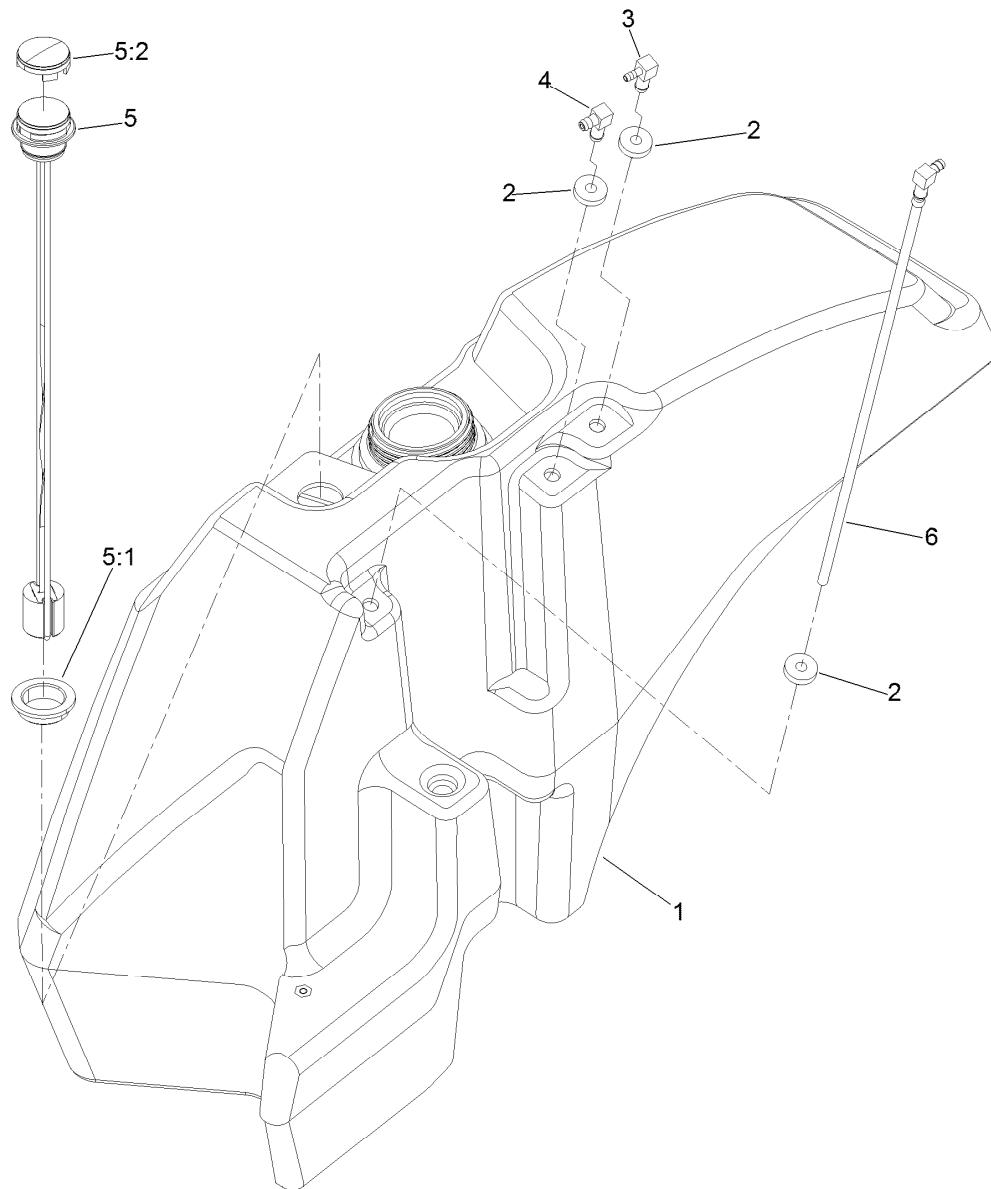
Ref.	Part Number	Qty.	Description
1	138-0291	1	Fuel Tank
2	138-4418	1	Hydraulics Tank ASM
3	114-4920	1	Hose
4	138-7392	1	Hydraulic Tube ASM
5	2412-119	2	Clamp-Hose, Worm Drive
6	138-7361	1	Hose-Suction
7	2412-34	1	Clamp-Hose
8	139-6228	1	Tank Support-Hydraulic
8:2	127-0392	1	Decal-Hot Surface
9	138-0441-03	1	Bracket-Tank Hold Down, LH
10	138-7315-03	1	Bracket-Tank Hold Down, RH
11	138-4404-03	1	Tray-Tank/Battery
12	138-7365-03	1	Bracket-Tank Mount, Front LH
14	126-4781	1	Step-Deck
15	104-8301	19	Nut-HF, NI
16	3231-27	15	Screw-CARR
17	3230-3	1	Screw-CARR
18	3230-23	2	Bolt-CARR

Ref.	Part Number	Qty.	Description
19	104-8300	3	Nut-HF, NI
20	3256-23	2	Washer-Plain
21	3253-4	2	Washer-Lock
22	322-3	2	Screw-HH
23	109-2365	8	Bumper-Rubber
24	104-7201	8	Nut-HF, NI
25	139-0927-01	1	Bracket-Mount, Step
26	2412-98	4	Clamp-Hose
27	92-2379	2	Clamp-Hose
28	131-8402	2	Strap-Down, Hold
29	119-8266	1	Cap-Fuel (Biodiesel)
30	138-7499	1	Fitting-Strainer
31	138-7388	1	Dipstick
32	94-8166	1	O-Ring
33	93-7498	1	Plug-Plastic
34	139-6252	2	Tube-Vent
35	139-0940-03	1	Bracket-Tank Mount, Front RH
36	139-6253	2	Hose-Fuel
37	2412-72	4	Clip-Closed, Insulated
38	99-6810	4	Screw-HHF



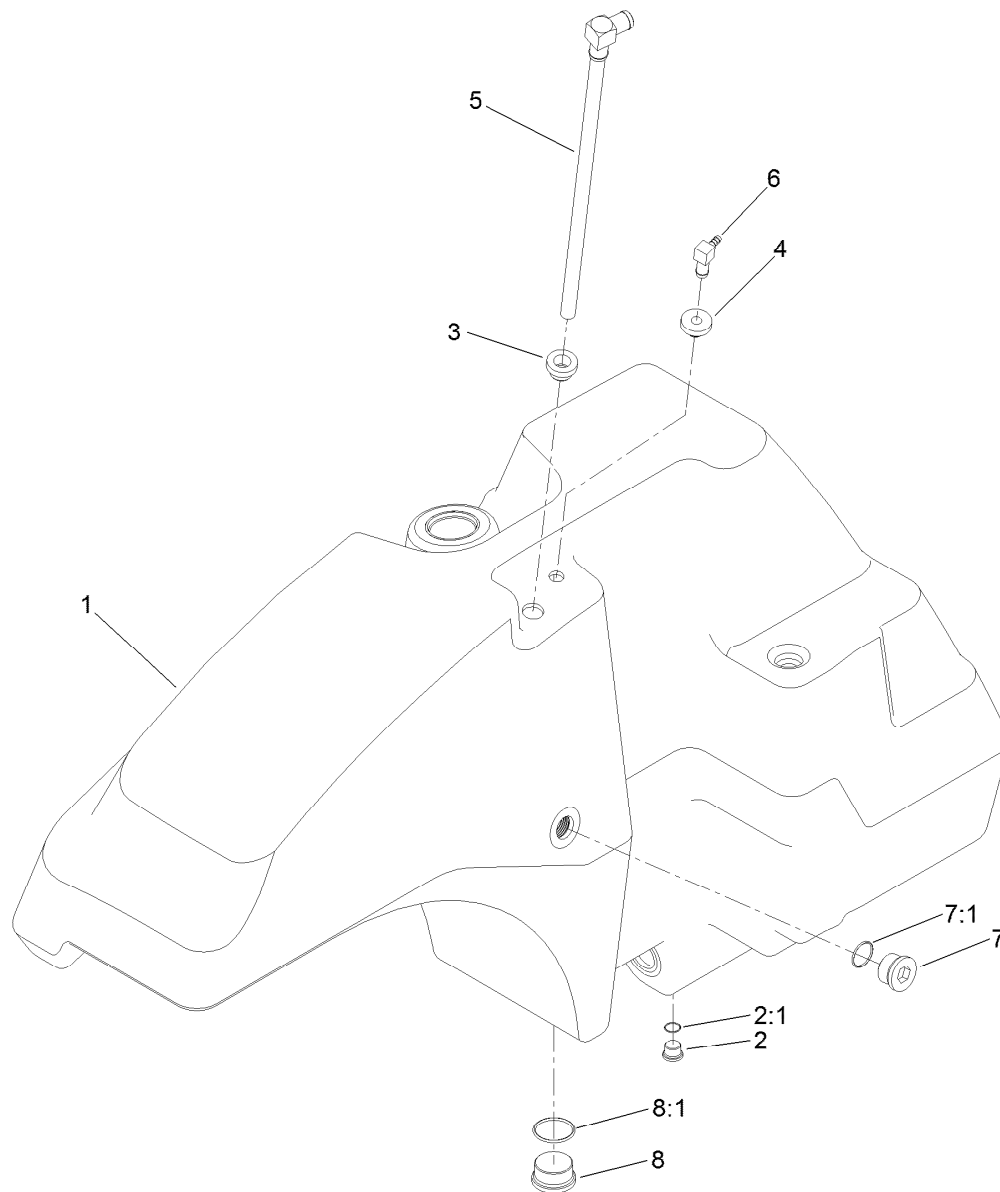
Fuel and Hydraulic Tank Assembly (continued)

Ref.	Part Number	Qty.	Description
39	107-3154	6	Nut-Push
40	3231-22	4	Screw-CARR



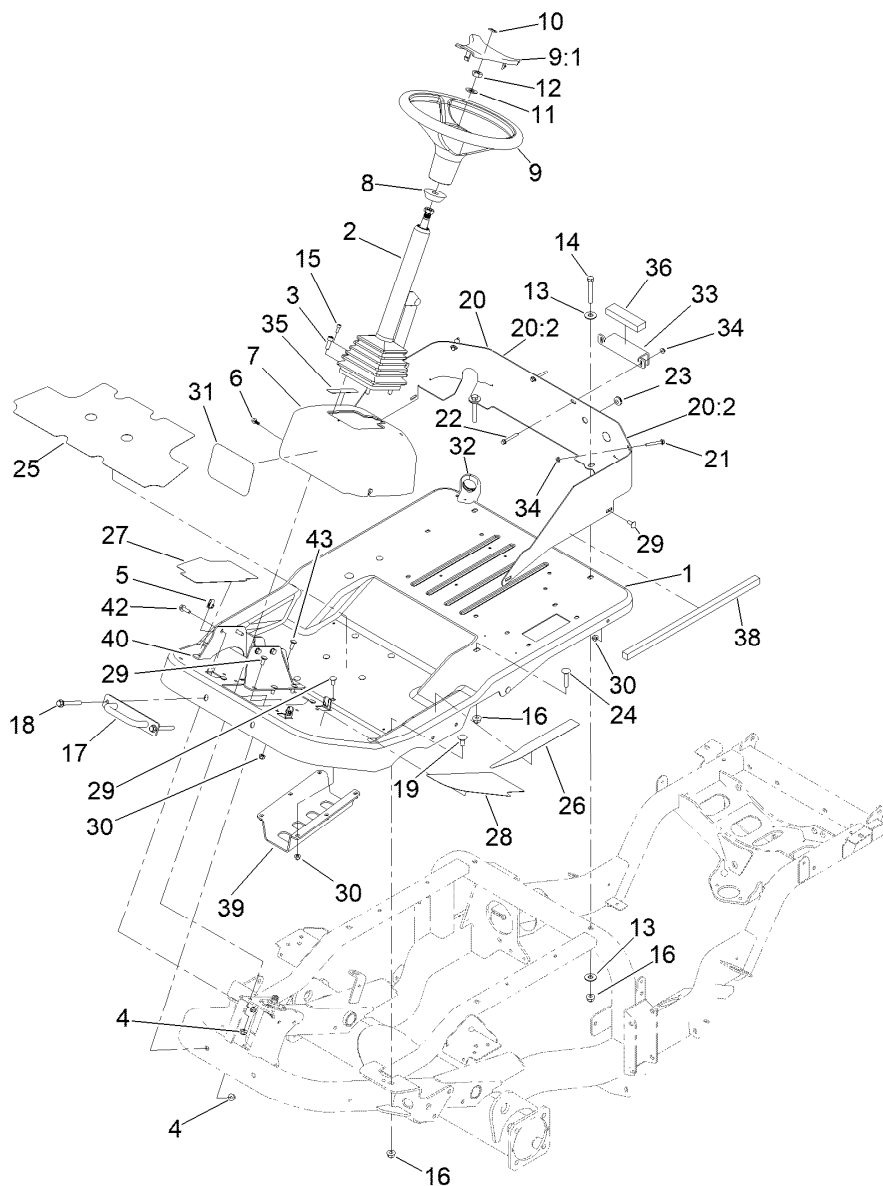
Fuel Tank Assembly No. 138-0291

Ref.	Part Number	Qty.	Description
1	138-7385	1	Fuel Tank W/Inserts ASM
2	46-6560	3	Bushing
3	104-5228	1	Fitting-Elbow, 90 DEG
4	46-6550	1	Fitting-Elbow, 90 DEG
5	139-0872	1	Gauge-Fuel
5:1	119-0508	1	Seal
5:2	117-8404	1	Dial-Gauge
6	138-7389	1	Pipe-Stand



Hydraulic Tank Assembly No. 138-4418

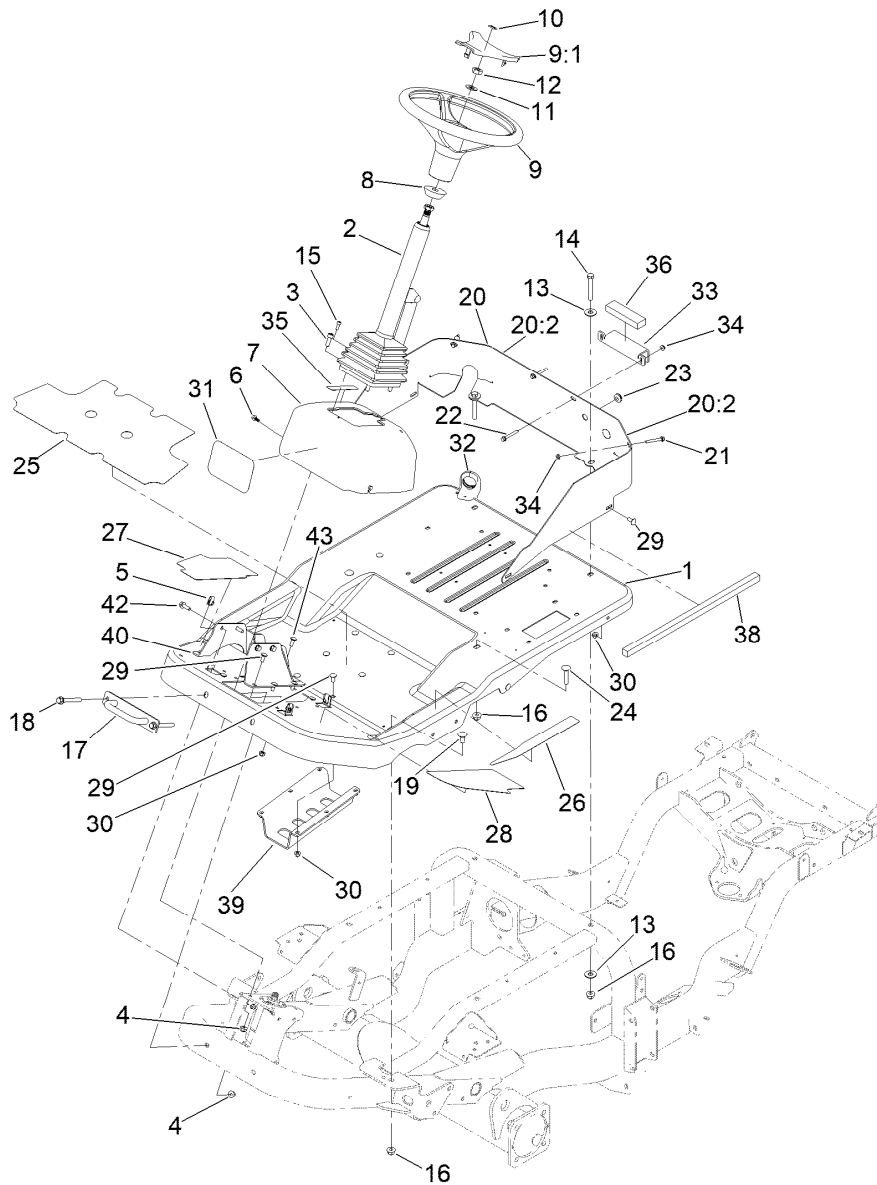
Ref.	Part Number	Qty.	Description
1	138-7386	1	Tank-Hydraulic W/Inserts
2	353-989	1	Plug-Hex, Hollow
2:1	237-42	1	O-Ring
3	104-0790	1	Bushing
4	46-6560	1	Bushing
5	138-7384	1	Tube-Drop
6	104-5228	1	Fitting-Elbow, 90 DEG
7	139-6333	1	Fitting-Plug
7:1	237-81	1	O-Ring
8	105-3921	1	Fitting-Plug
8:1	237-146	1	O-Ring



Platform, Steering and Console Assembly

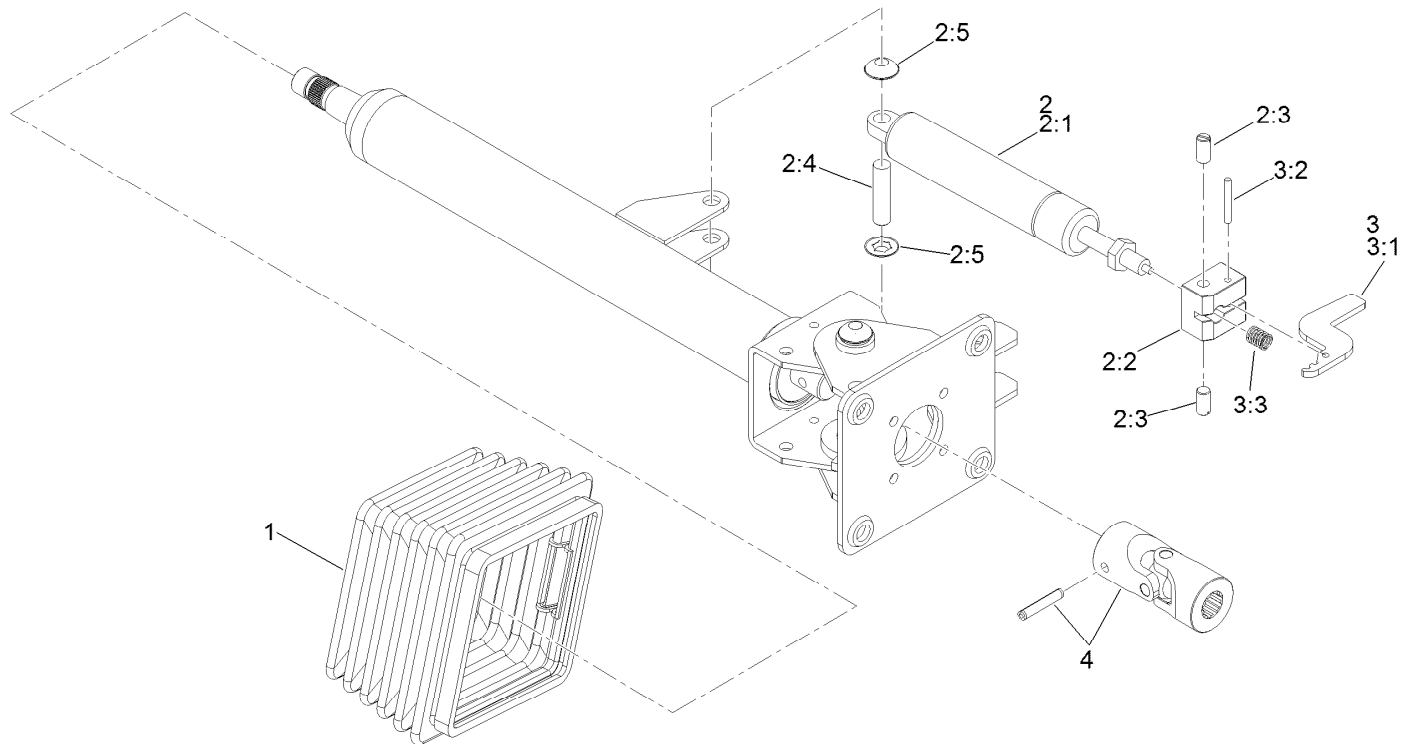
Ref.	Part Number	Qty.	Description
1	144-4030SP	1	Platform-Stamped
2	139-0857	1	Column-Steering, Tilt
3	3274-7	4	Screw-HSH
4	104-8301	6	Nut-HF, NI
5	107069	4	Clip
6	99-6810	4	Screw-HHF
7	138-7494	1	Cover-Steering
8	93-5429	1	Collar-Foam
9	98-1471	1	Wheel-Steering
9:1	98-1468	1	Cover-Wheel, Steering
10	98-1459	1	Decal
11	3256-27	1	Washer-Flat
12	3296-33	1	Nut-Lock, NI
13	3256-40	4	Washer-Flat
14	324-12	2	Screw-HH
15	105-2409	4	Screw-HSH
16	114-8417	6	Nut-HF, NI
17	138-0288	1	Bracket-Down, Tie
18	3234-41	2	Screw-HHF
19	3232-1	2	Screw-CARR
20	144-0528	1	Plate-Firewall, Lower

Ref.	Part Number	Qty.	Description
20:2	132-1316	2	Decal-Danger, Belt
21	125-4287	2	Screw-HHF
22	3234-34	2	Screw-HHF
23	1-633630	1	Grommet
24	3232-5	2	Screw-CARR
25	144-4029	1	Tread-Foot, Main
26	139-0859	1	Tread-Foot, Side
27	139-0885	1	Tread-Foot, Front RH
28	139-0886	1	Tread-Foot, Front LH
29	3230-23	15	Bolt-CARR
30	104-8300	22	Nut-HF, NI
31	105-1217	1	Decal
32	144-0473	1	Plug-Harness, Firewall
33	139-2166-0P	1	Bracket-Hood Support
34	104-7201	4	Nut-HF, NI
35	140-1460	1	Decal-Traction Pedal
36	139-6202	1	Foam-Strip
38	139-6207	1	Foam-Strip
39	144-3954-03	1	Guard-Tubes, Hydraulic
40	144-4031-0P	1	Bracket-Mount, Steering



Platform, Steering and Console Assembly (continued)

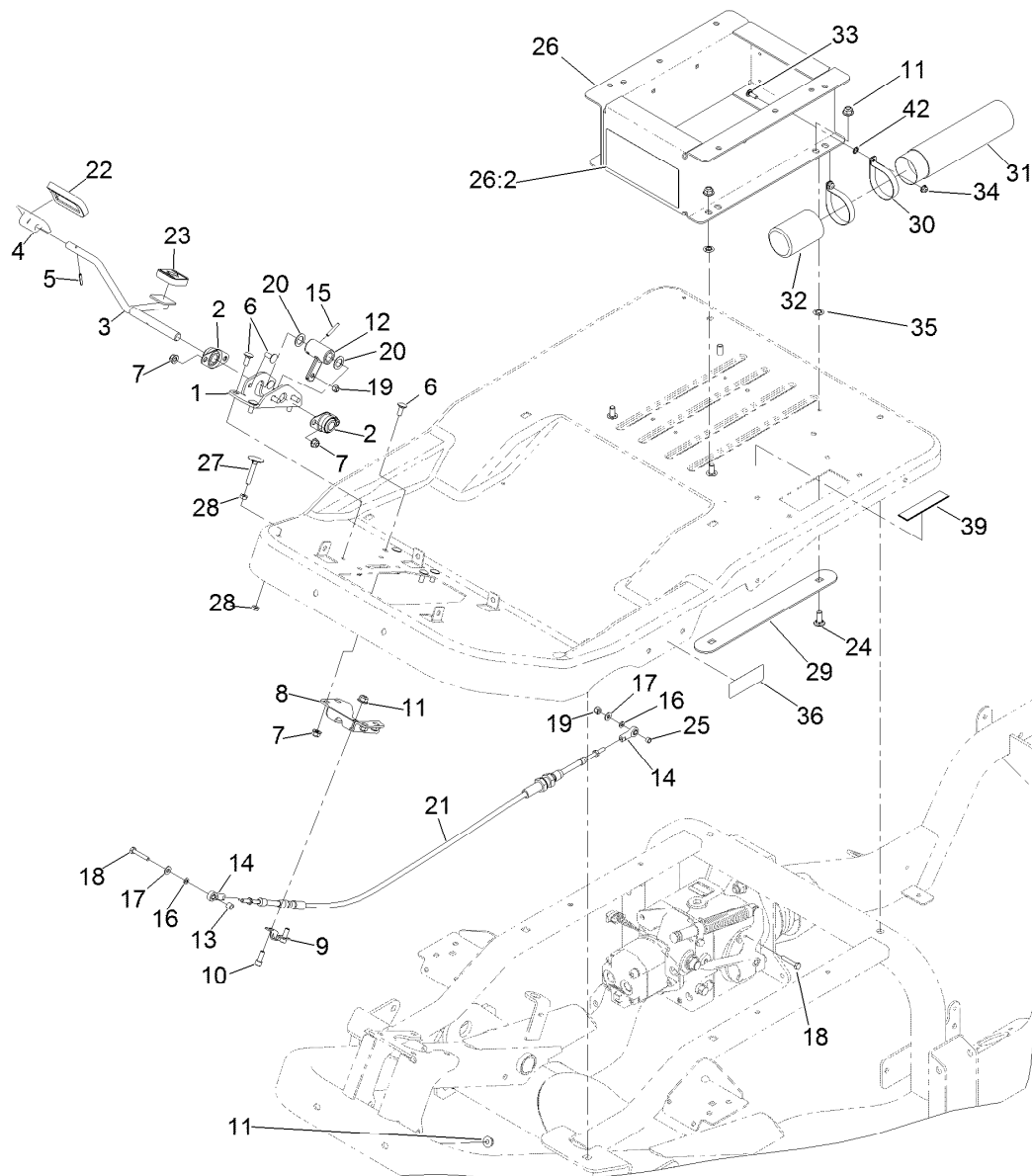
Ref.	Part Number	Qty.	Description
42	3234-29	4	Screw-HHF
43	3230-10	1	Bolt-CARR



Steering Column Assembly No. 139-0857

Ref.	Part Number	Qty.	Description
1	110-6462	1	Bellows-Rubber
2	110-6463	1	Cylinder Service Kit
2:1		1	Cylinder-Gas ●
2:2		1	Block-Pedal ●
2:3		2	Bolt ●
2:4		1	Pin ●
2:5		2	Washer-Lock ●
3	136-4385	1	Pedal Service Kit
3:1		1	Pedal ●
3:2		1	Pin ●
3:3		1	Spring ●
4	120-6256	1	Universal Joint Kit

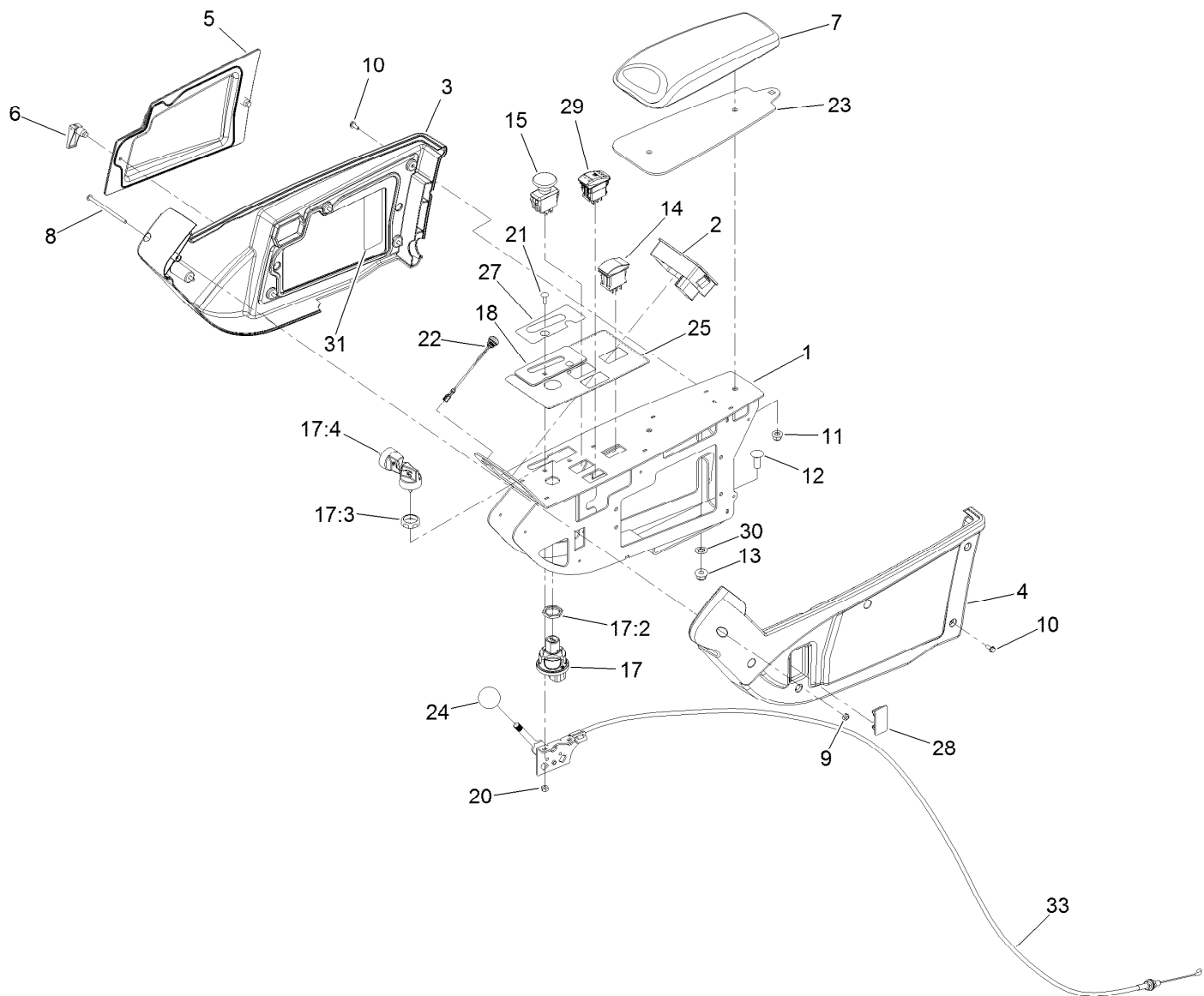
● Not serviced separately



Traction Pedal Assembly

Ref.	Part Number	Qty.	Description
1	138-7477-01	1	Bracket-Pedal, Traction
2	256-236	2	Bearing-Mount, Flange
3	138-4594	1	Pedal-Traction
4	117-9507	1	Pedal-Accelerator
5	32121-45	1	Pin-Spring
6	3230-23	12	Bolt-CARR
7	104-8300	12	Nut-HF, NI
8	138-7446-01	1	Bracket-Cable, Traction
9	93-2092	1	Clamp-Cable
10	3274-10	2	Screw-HSH
11	104-8301	6	Nut-HF, NI
12	117-5199	1	Hub-Pedal, Traction
13	66-8010	1	Spacer
14	2411-41	2	Rod End-Ball Joint
15	32121-6	1	Pin-Roll, Slotted
16	33093-00	2	Washer-Flat
17	3256-22	2	Washer-Flat
18	321-9	2	Screw-HH
19	3296-42	2	Nut-Lock, NI
20	137-2601	2	Washer

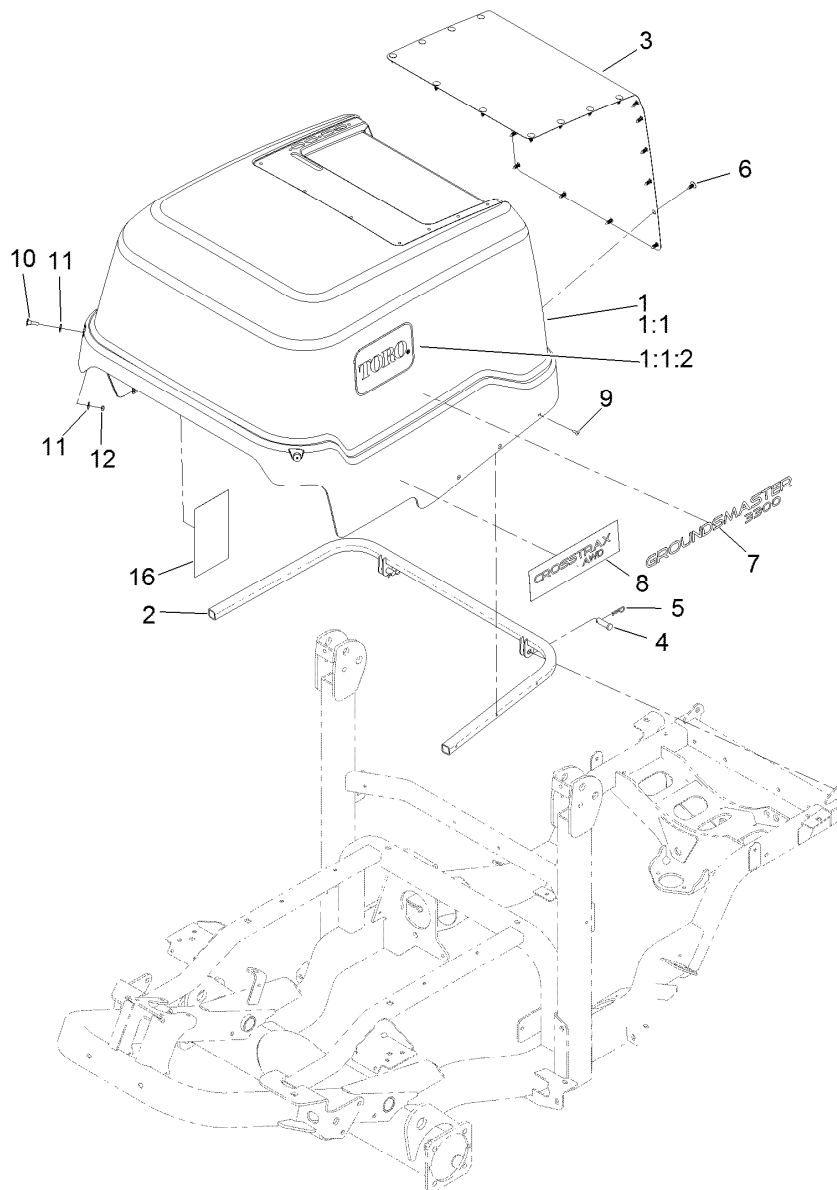
Ref.	Part Number	Qty.	Description
21	137-2568	1	Traction-Cable
22	74-9100	1	Pad-Pedal, Forward
23	74-9110	1	Pad-Pedal, Reverse
24	3231-22	4	Screw-CARR
25	130-9691	1	Spacer
26	139-6221	1	Seat Box ASM
26:2	139-6215	1	Decal-Warning
27	115-8240	1	Screw-Elevator
28	3218-2	2	Nut-Hex Jam
29	138-7422-0P	2	Strip-Seat Mount
30	107-1865	2	R-Clamp
31	104-7050	1	Tube-Manual
32	104-7048	1	Cap-Housing
33	1-807512	2	Bolt-CARR
34	104-7201	2	Nut-HF, NI
35	107-3154	4	Nut-Push
36	106-9206	2	Decal-Torque, Wheel
39	133-8062	1	Decal-Arrestor, Spark
42	32115-15	2	Nut-Push



Control Console Assembly

Ref.	Part Number	Qty.	Description
1	133-6406-03	1	Panel
2	132-9751	1	Tdm 2001
3	108-7605	1	Cover-RH
4	108-7604	1	Cover-LH
5	108-7616	1	Panel-Access
6	74-5950	2	Latch-Swell
7	131-9637	1	Armrest-Quick Find
8	3250-22	1	Screw-PPH
9	3296-12	1	Nut-Lock, NI
10	32144-112	10	Screw-HWH
11	104-8300	2	Nut-HF, NI
12	3231-22	2	Screw-CARR
13	104-8301	2	Nut-HF, NI
14	100-1535	1	Switch-Rocker, (On)-Off-(On)
15	93-9999	1	Switch-PTO
17	121-5159	1	Ignition Switch ASM

Ref.	Part Number	Qty.	Description
17:2	121-5160	1	Nut-Hex
17:3	121-5161	1	Nut-Face
17:4	121-5162	1	Set-Key, Ignition
18	137-2510	1	Cover-Throttle, Lever
20	3296-2	2	Nut-Lock, NI
21	1-807533	2	Bolt-CARR
22	136-9678	1	Switch-Pushbutton
23	138-4548-03	1	Plate-Spacer, Console Pad
24	1-603175	1	Knob-Ball
25	138-7471	1	Decal-Console
27	138-7473	1	Decal-Throttle
28	99-7420	1	Plug-Hole
29	110-0811	1	Switch-Rocker On-None-(On)
30	107-3154	2	Nut-Push
31	140-3125	1	Decal-Fuse
33	139-6266	1	Cable-Throttle



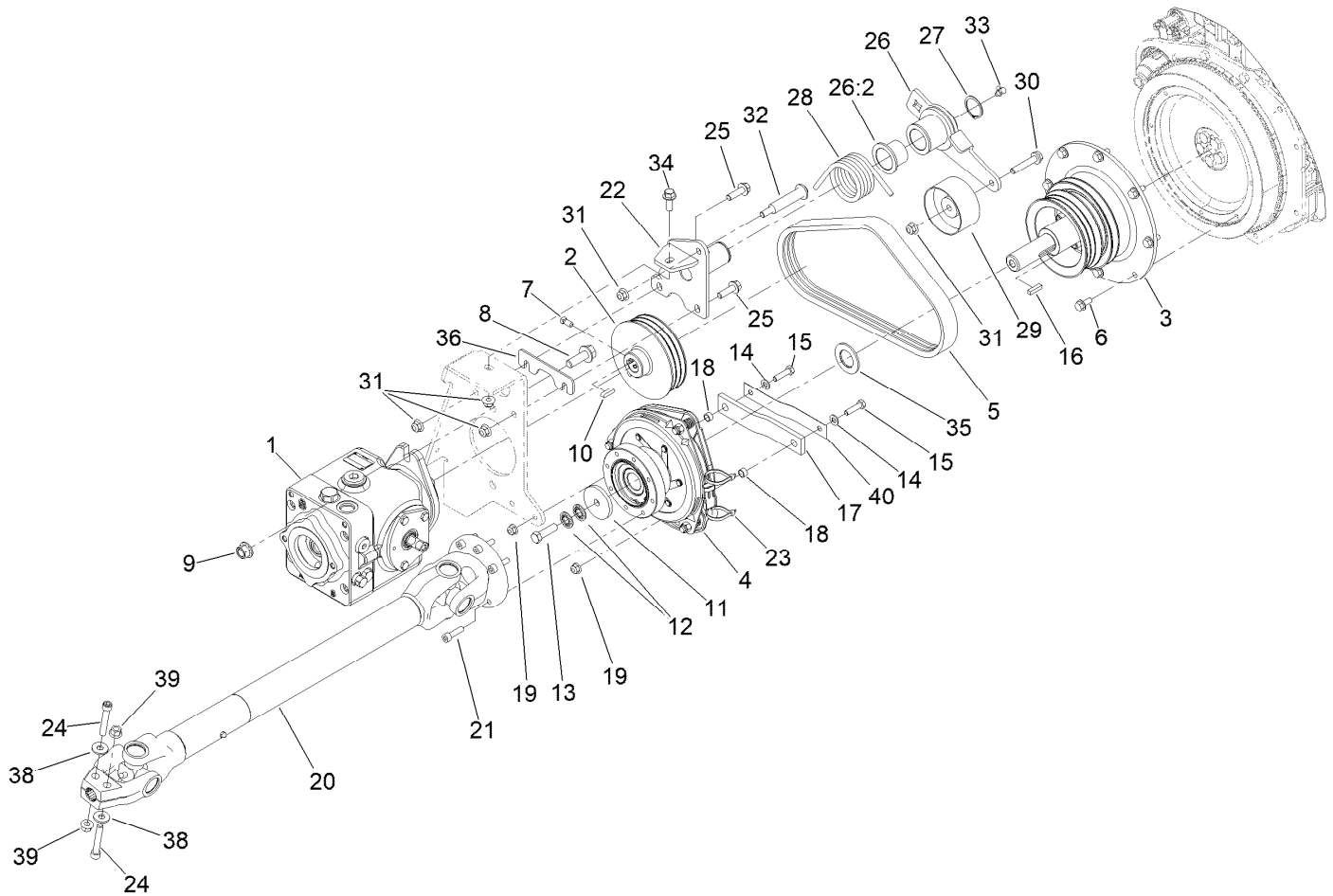
Hood Assembly

Ref.	Part Number	Qty.	Description
1	138-7330SP	1	Hood
1:1		1	Hood ASM ■
1:1:2	62-7400	2	Decal-Toro Logo
1:2	139-6225	1	Tape-Heat, Hood Front ●
1:3	139-6226	1	Tape-Heat, Hood Rear ●
1:4	139-6227	1	Tape-Heat, Hood Side ●
2	138-7331-03	1	Support-Hood
3	138-7474-03	1	Screen-Cooler
4	283-68	2	Pin-Clevis
5	3290-467	2	Pin-Hair

Ref.	Part Number	Qty.	Description
6	117-2382	24	Plug-Plastic
7	139-6152	2	Decal-Identification
8	110-8859	2	Decal
9	114439	10	Rivet-Blind
10	139-0855	2	Screw-Countersunk, Oval
11	3256-2	4	Washer-Flat
12	3296-56	2	Nut-Lock, NI
16	144-3950	1	Decal-Service, Gm 3300/3310 Row

● Not illustrated

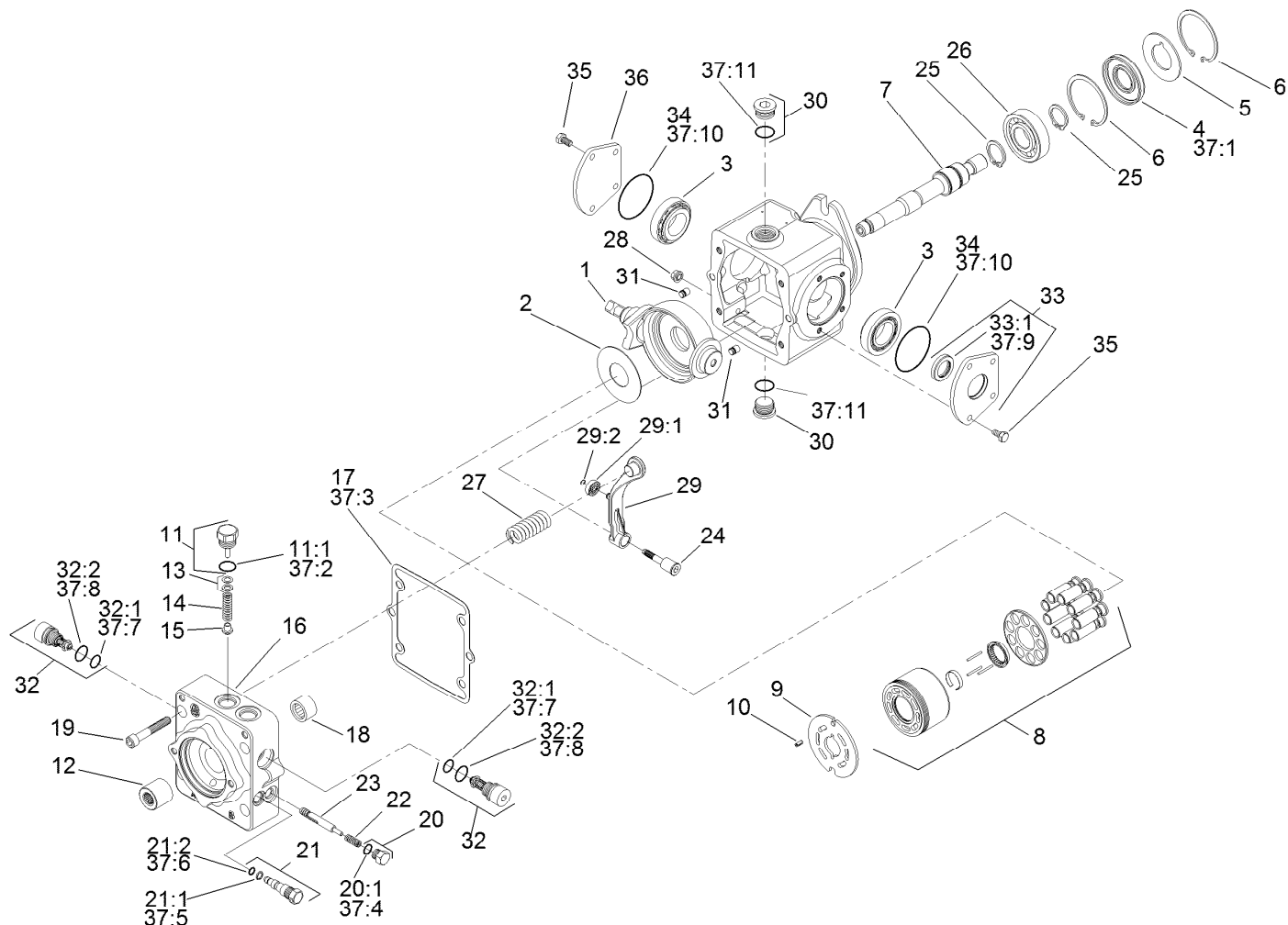
■ Not serviced separately



Hydraulic PTO Assembly

Ref.	Part Number	Qty.	Description
1	138-0305	1	Variable Piston Pump ASM
2	139-6257	1	Pulley-3/3V
3	139-6258	1	Stubshaft-3/3V
4	144-4013	1	Clutch-Gt5
5	139-6259	1	Belt-3/3V
6	138-0690	8	Screw-HH
7	1-803022	2	Screw-Set
8	100-6116	2	Screw-HHF
9	99-5107	2	Nut-Lock
10	94-3645	1	Key
11	139-6238	1	Washer
12	1-603610	2	Washer-Spring
13	109-9761	1	Screw-HH
14	3256-23	2	Washer-Plain
15	322-6	2	Screw-HH
16	1-807259	1	Key
17	139-6278	1	Strap-Clutch Stop
18	65-9820	2	Spacer
19	104-8300	3	Nut-HF, NI
20	144-0521SP	1	Driveshaft ASM

Ref.	Part Number	Qty.	Description
21	144-0452	6	Screw-Hex Socket
22	140-3091	1	Idler Pivot ASM
23	3290-378	2	Tie-Cable
24	131-8591	2	Screw-HSH
25	119-4061	2	Screw-HHF
26	140-6179	1	Idler Arm ASM
26:2	93-4510	2	Bushing-Caster
27	32120-84	1	Ring-Snap, External
28	140-3102	1	Spring-Torsion
29	140-3101	1	Pulley-Flat
30	108-3742	1	Screw-HHF
31	104-8301	5	Nut-HF, NI
32	112-3977	1	Bolt-Shoulder
33	302-40	1	Fitting-Grease, 90 DEG
34	3234-42	1	Screw-HHF
35	139-6239	1	Washer
36	144-4046	1	Shim-Pivot
38	80-6990	2	Washer-Hardened
39	32128-36	2	Nut-HF
40	144-4025	1	Strip-Steel, Spring



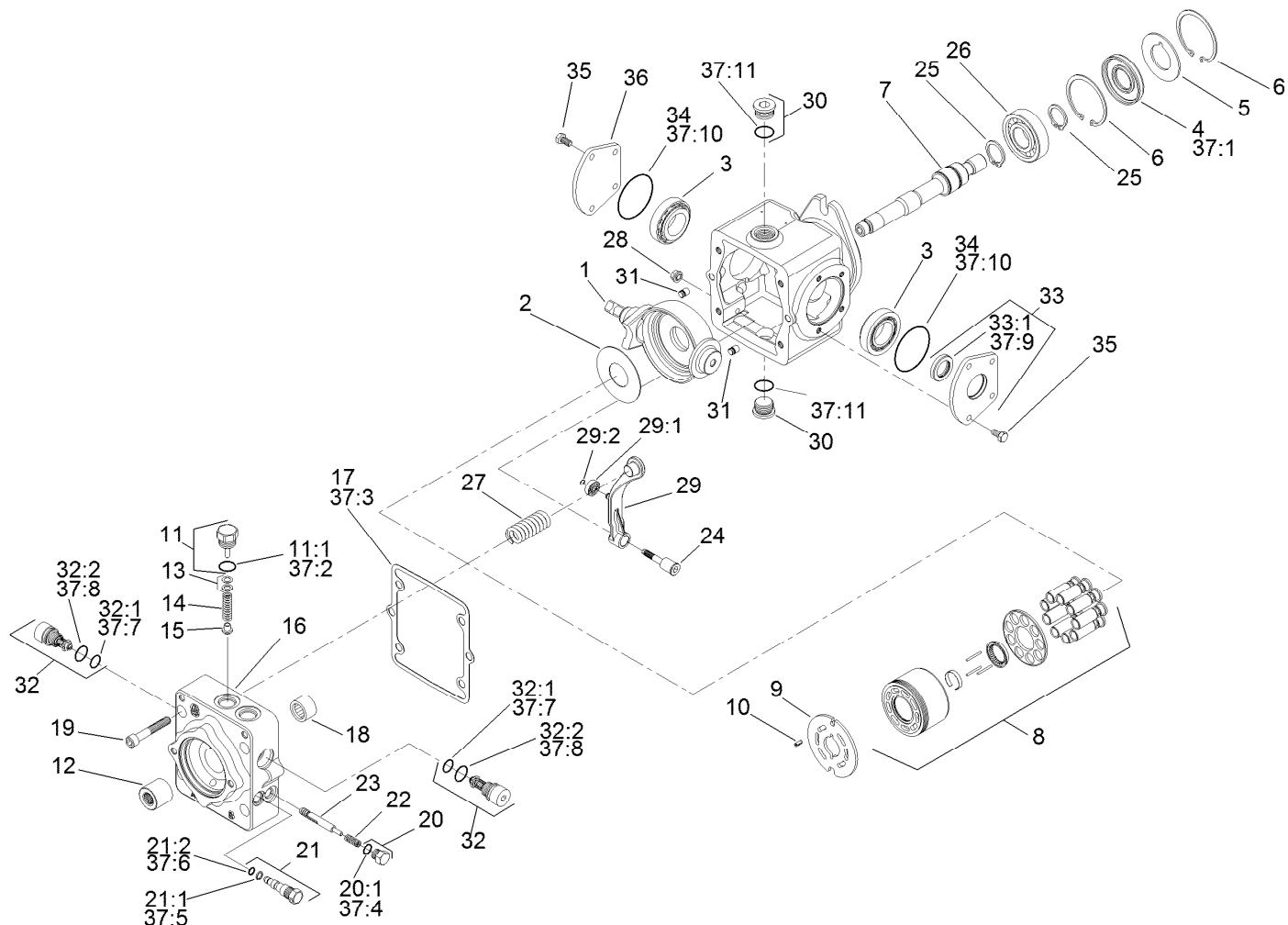
Variable Piston Pump Assembly No. 138-0305

Ref.	Part Number	Qty.	Description
1	140-3111	1	Plate-Swash
2	75-0400	1	Plate-Thrust
3	110-6483	2	Bearing Kit
4	110-6471	1	Seal-Lip
5	95-4400	1	Washer-Backup
6	131-8616	2	Ring-Retaining
7	140-3113	1	Shaft
8	110-6472	1	Cylinder Block Kit ASM
9	140-3114	1	Plate-Valve, CW
10	131-3800	1	Pin-Slotted
11	110-6486	1	Plug-Relief, Charge
11:1	28-3570	1	O-Ring
12	140-3122	1	Coupling
13	140-3115	1	Shim Kit
14	110-6474	1	Spring
15	110-6475	1	Poppet
16	115-8087	1	Cap-End
17	110-6476	1	Gasket-Cap, End

Ref.	Part Number	Qty.	Description
18	75-0500	1	Bearing-Needle
19	110-6489	4	Screw
20	94-9415	2	Plug ASM
20:1		1	O-Ring ■
21	107-4364	1	Bypass Valve ASM
21:1	25-2630	1	Ring-Back Up
21:2	110-6498	1	O-Ring
22	140-3116	2	Spring
23	110-6492	1	Spool-Loop, Flush
24	110-6493	1	Pivot-Return, Neutral
25	125-5280	2	Ring-Retaining
26	75-0460	1	Bearing-Ball
27	140-3117	1	Spring-Neutral Return
28	110-6496	1	Nut-Seal
29	110-6497	1	Neutral Return Arm ASM
29:1	110-6494	1	Bearing-Cam
29:2	110-3056	1	Ring-Retaining
30	69-3130	2	Plug

● Not illustrated

■ Not serviced separately



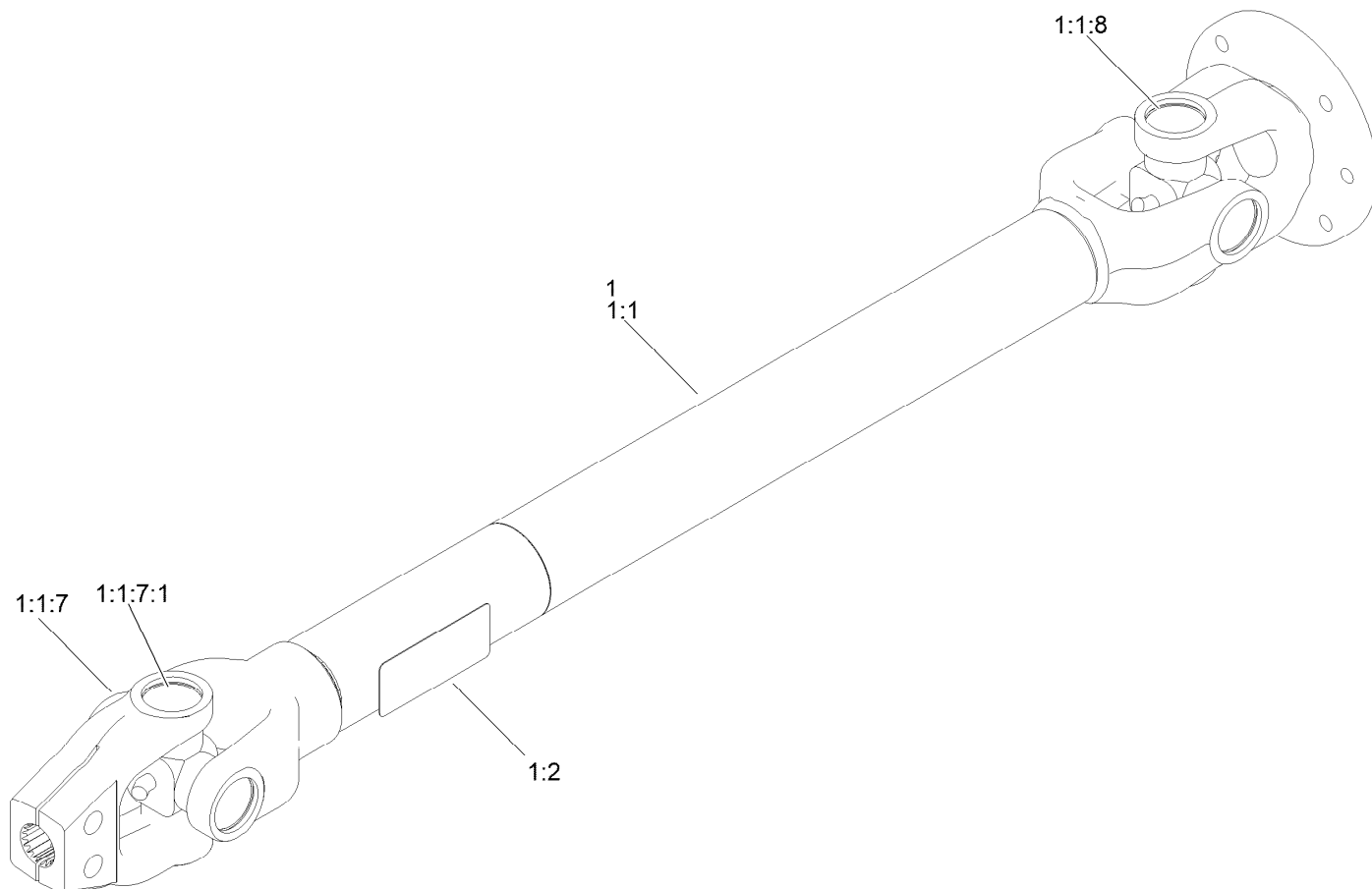
Variable Piston Pump Assembly No. 138-0305 (continued)

Ref.	Part Number	Qty.	Description
31	112-0158	2	Pin
32	110-6477	2	Valve-Relief
32:1	75-0240	1	O-Ring ●
32:2	84-0560	1	O-Ring ●
33	110-6499	1	Trunnion Cover ASM
33:1	110-6478	1	Seal-Lip
34	84-0430	2	O-Ring
35	112-0151	8	Screw
36	84-0440	1	Cover-Trunnion
37	110-6481	1	Seal Kit ●
37:1	110-6471	1	Seal-Lip

Ref.	Part Number	Qty.	Description
37:2	28-3570	1	O-Ring
37:3	110-6476	1	Gasket-Cap, End
37:4	131-8631	2	O-Ring
37:5	25-2630	1	Ring-Back Up
37:6	110-6498	1	O-Ring
37:7	75-0240	2	O-Ring
37:8	84-0560	2	O-Ring
37:9	110-6478	1	Seal-Lip
37:10	84-0430	2	O-Ring
37:11	131-8614	2	O-Ring

● Not illustrated

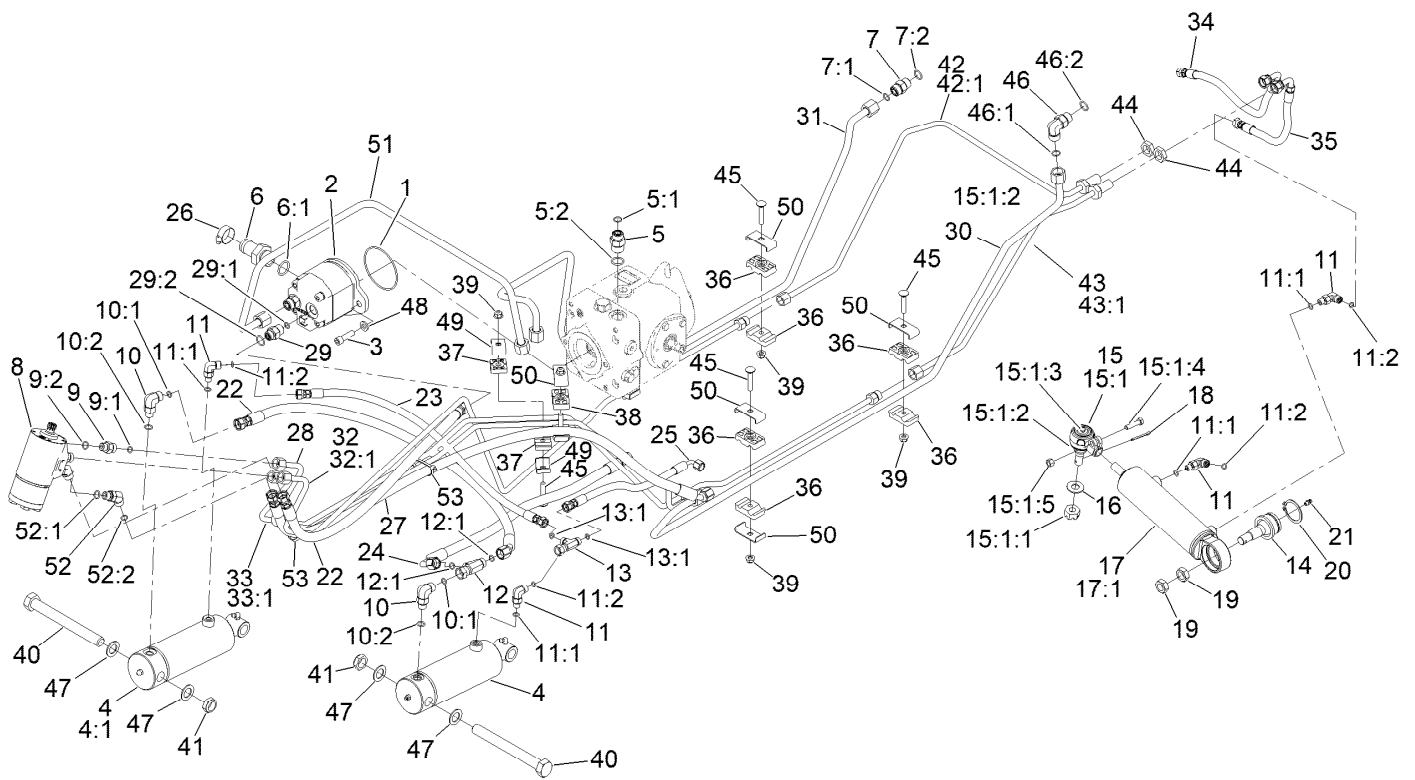
■ Not serviced separately



Driveshaft Assembly No. 144-0521SP

Ref.	Part Number	Qty.	Description
1		1	Driveshaft ASM ●
1:1		1	Shaft-Drive, Jdl ●
1:1:7		1	Yoke-Splined W/Cross Joint ●
1:1:7:1	144-0550	1	Bearing-Cross Joint
1:1:8	144-0550	1	Bearing-Cross Joint
1:2	139-6304	1	Decal-Danger, Entanglement

● Not serviced separately



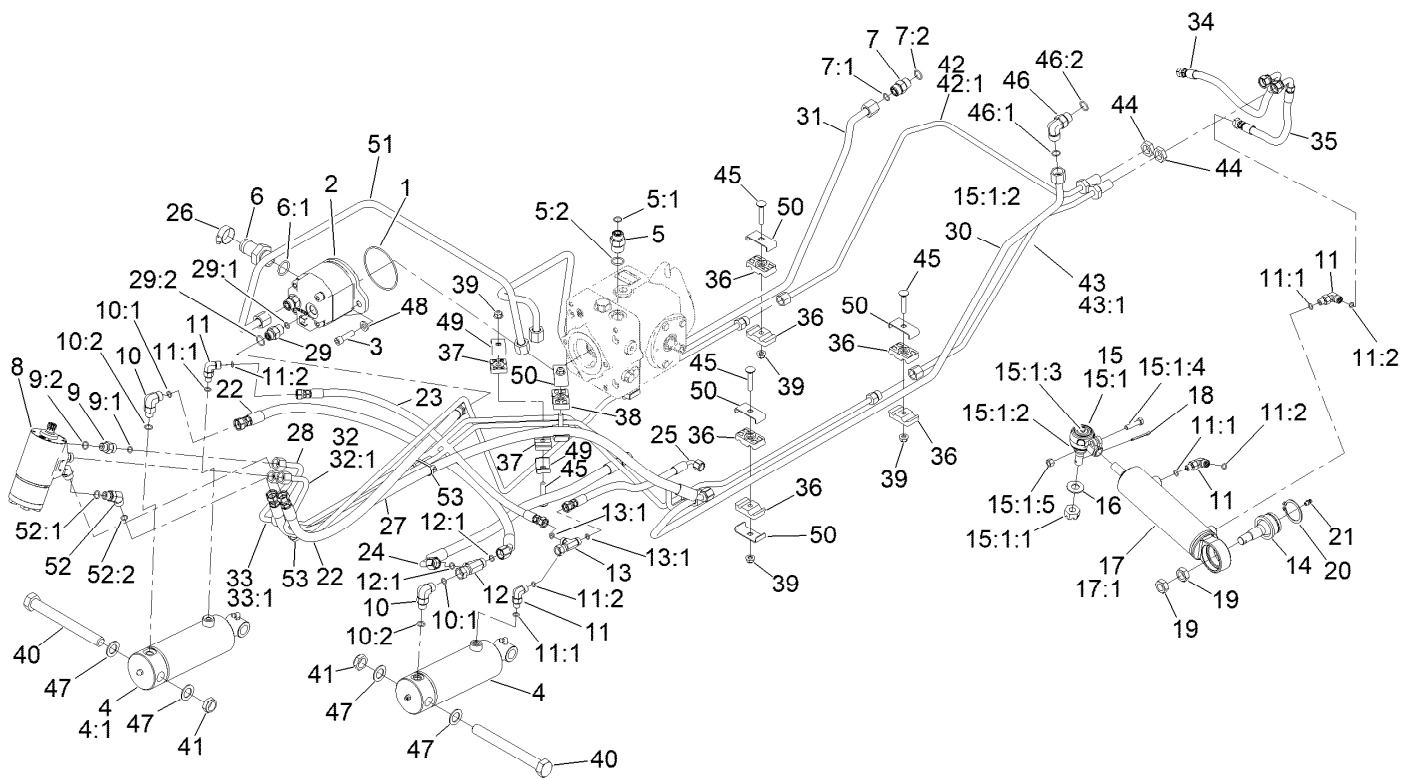
Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	237-161	1	O-Ring
2	138-0321	1	Pump-Gear
3	3274-1	2	Screw-HSH
4	139-0854	2	Cylinder-Hydraulic
4:1	140-3110	1	Kit-Seal ●
5	340-6	1	Fitting-Straight
5:1	237-30	1	O-Ring
5:2	237-80	1	O-Ring
6	99-3017	1	Fitting
6:1	237-81	1	O-Ring
7	340-4	2	Fitting-Straight
7:1	237-30	1	O-Ring
7:2	237-79	1	O-Ring
8	114-8119	1	Steering Valve ASM
9	340-2	3	Fitting-Straight
9:1	237-22	1	O-Ring
9:2	237-42	1	O-Ring
10	340-77	2	Fitting-Elbow, 90 DEG

Ref.	Part Number	Qty.	Description
10:1	237-22	1	O-Ring
10:2	237-42	1	O-Ring
11	340-132	4	Fitting-Elbow, 90 DEG
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	340-115	1	Fitting-Tee
12:1	237-22	2	O-Ring ●
13	340-151	1	Fitting-Tee
13:1	237-21	2	O-Ring
14	106-6774	1	Joint-Ball
15	106-6895-03	1	Ball Joint ASM
15:1		1	Joint-Ball ■
15:1:1	32136-13	1	Nut-SHH
15:1:2	106-6896	1	Seal
15:1:3	302-5	1	Fitting-Grease
15:1:4	3210-7	1	Screw-HH
15:1:5	32152-5	1	Nut-Hex
16	69-8980	1	Washer

● Not illustrated

■ Not serviced separately



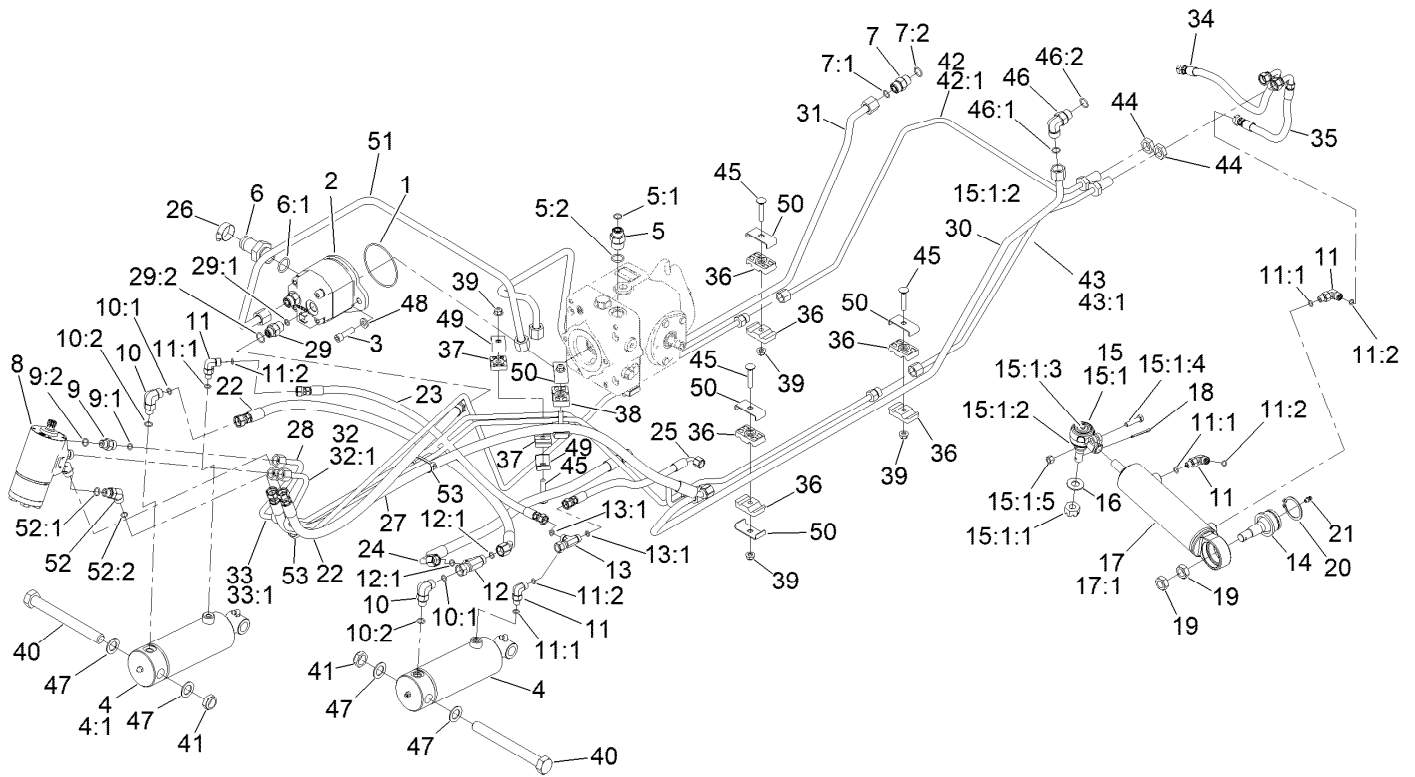
Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
17	139-6277	1	Steering Cylinder
17:1	140-3120	1	Kit-Seal ●
18	3272-12	1	Pin-Cotter
19	3220-6	2	Nut-Jam
20	32151-104	1	Ring-Retaining, External
21	302-5	1	Fitting-Grease
22	137-5844	2	Hose ASM
23	137-5845	1	Hose ASM
24	137-5846	1	Hose ASM
25	137-5847	1	Hose ASM
26	2412-34	1	Clamp-Hose
27	140-3097	1	Hose ASM
28	138-0331	1	Hydraulic Tube ASM
29	340-3	1	Fitting-Straight
29:1	237-22	1	O-Ring
29:2	237-79	1	O-Ring
30	138-7448	1	Hydraulic Tube ASM
31	138-7447	1	Hydraulic Tube ASM

Ref.	Part Number	Qty.	Description
32	138-0333	1	Hydraulic Tube ASM
32:1	237-22	1	O-Ring
33	138-0336	1	Hydraulic Tube ASM
33:1	237-22	1	O-Ring
34	115-0383	1	Hose ASM
35	137-2584	1	Hose ASM
36	56-7972	8	Clamp-Tube
37	56-7973	2	Clamp-Tube
38	56-7970	2	Clamp-Tube
39	104-8300	6	Nut-HF, NI
40	328-23	2	Screw-HH
41	HDW02059	2	Nut-Hex
42	138-0343	1	Hydraulic Tube ASM
42:1	237-22	1	O-Ring
43	138-0344	1	Hydraulic Tube ASM
43:1	237-22	1	O-Ring
44	340-70	2	Nut-Lock
45	3230-5	6	Bolt-CARR

● Not illustrated

■ Not serviced separately



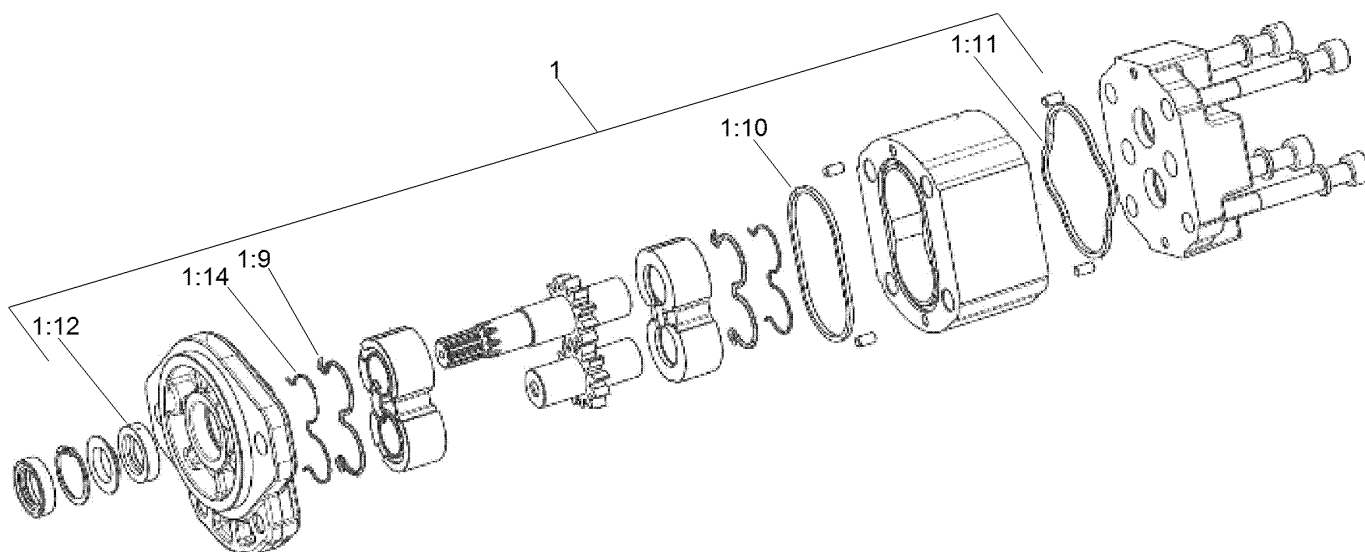
Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
46	340-98	1	Fitting-Elbow, 90 DEG
46:1	237-79	1	O-Ring ●
46:2	237-30	1	O-Ring ●
47	126-7888	4	Washer-Nylon
48	139-6293	2	Washer
49	119-1418	2	Plate-Clamp, Short

Ref.	Part Number	Qty.	Description
50	119-1419	8	Plate-Clamp
51	138-0342	1	Hydraulic Tube ASM
52	340-87	2	Fitting-Elbow, 45 DEG
52:1	237-22	1	O-Ring ●
52:2	237-42	1	O-Ring ●
53	3290-378	2	Tie-Cable

● Not illustrated

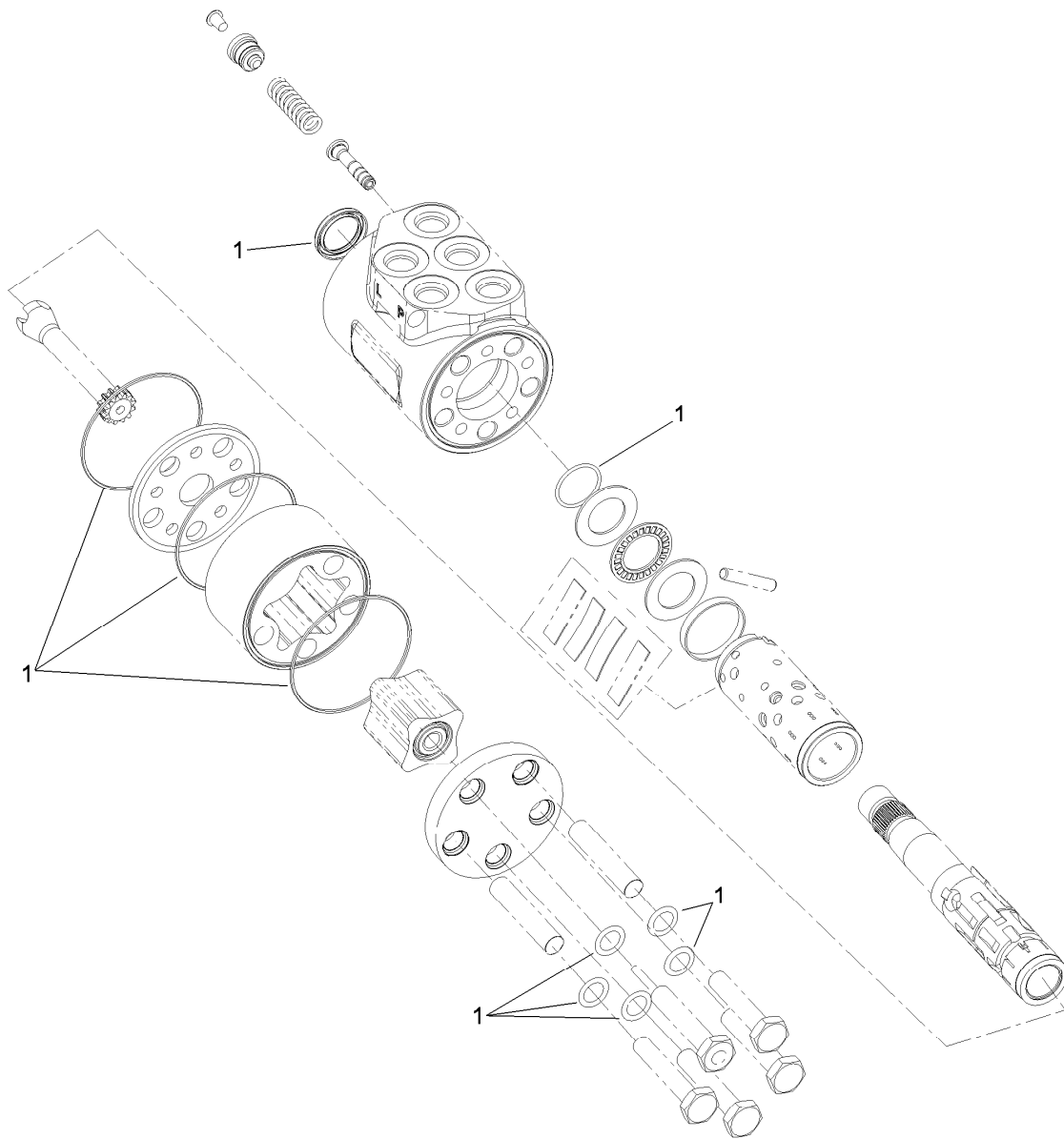
■ Not serviced separately



Gear Pump Assembly No. 138-0321

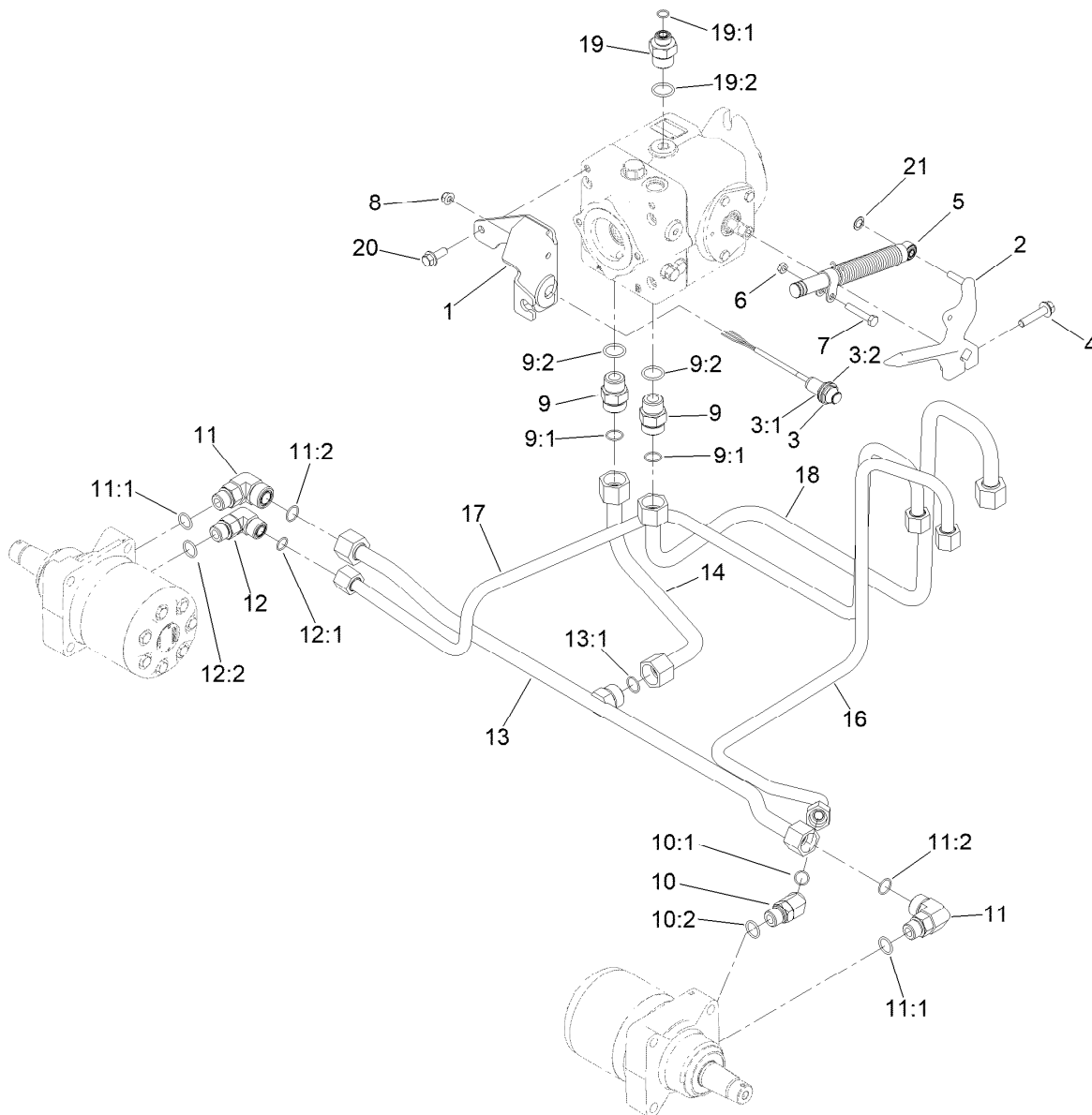
Ref.	Part Number	Qty.	Description
1	139-6299	1	Kit-Seal
1:9		1	Seal ●
1:10		1	Seal-Standard ●
1:11		1	Seal-Square ●
1:12		1	Seal-Shaft ●
1:14		1	Anti Extrusion ●

● Not serviced separately



Steering Valve Assembly No. 114-8119

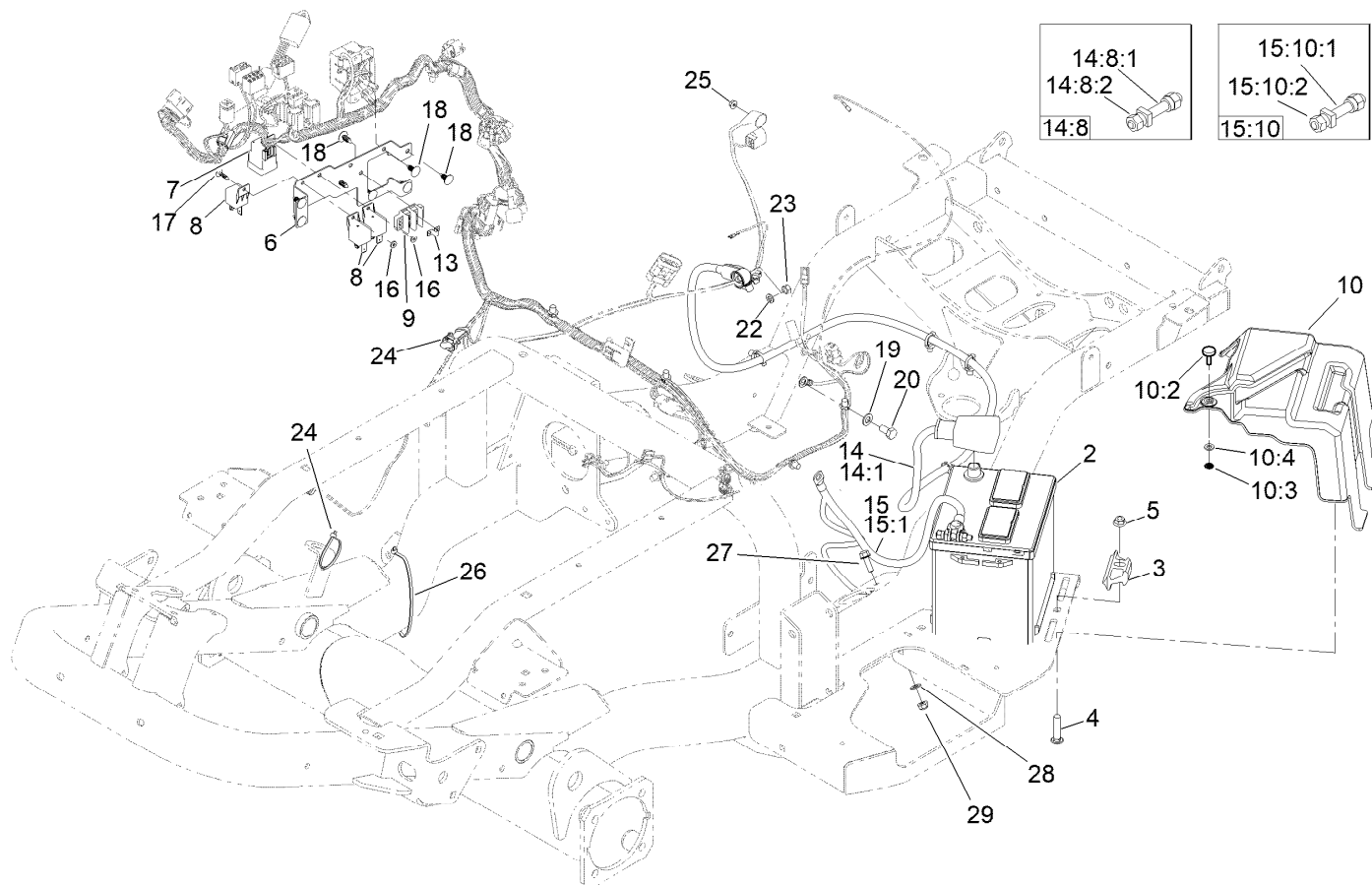
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106-6716	1	Seal Kit



Traction Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	139-6195-0P	1	Bracket-Cable Support [primed]
2	138-6378	1	Lever-Pump
3	115-5300	1	Proximity Switch ASM
3:1	117-3207	2	Nut-Hex
3:2	117-3208	2	Washer-Lock, Internal Tooth
4	3234-19	1	Screw-HHF
5	140-6248	1	Damper
6	3218-2	1	Nut-Hex Jam
7	322-10	1	Screw-HH
8	104-8300	1	Nut-HF, NI
9	340-9	2	Fitting-STR
9:1	237-58	1	O-Ring
9:2	237-81	1	O-Ring
10	340-14	1	Fitting-HYD, 45 DEG
10:1	237-65	1	O-Ring
10:2	237-80	1	O-Ring
11	340-16	2	Fitting-HYD, 90 DEG

Ref.	Part Number	Qty.	Description
11:1	237-80	1	O-Ring
11:2	237-58	1	O-Ring
12	340-17	1	Fitting-Elbow, 90 DEG
12:1	237-65	1	O-Ring
12:2	237-80	1	O-Ring
13	138-0340	1	Hydraulic Tube ASM
13:1	237-58	1	O-Ring
14	138-0341	1	Hydraulic Tube ASM
16	138-0345	1	Hydraulic Tube ASM
17	138-0346	1	Hydraulic Tube ASM
18	138-0339	1	Hydraulic Tube ASM
19	100-4240	1	Fitting-STR
19:1	237-30	1	O-Ring
19:2	237-81	1	O-Ring
20	3234-42	2	Screw-HHF
21	32151-72	1	Ring-Retaining



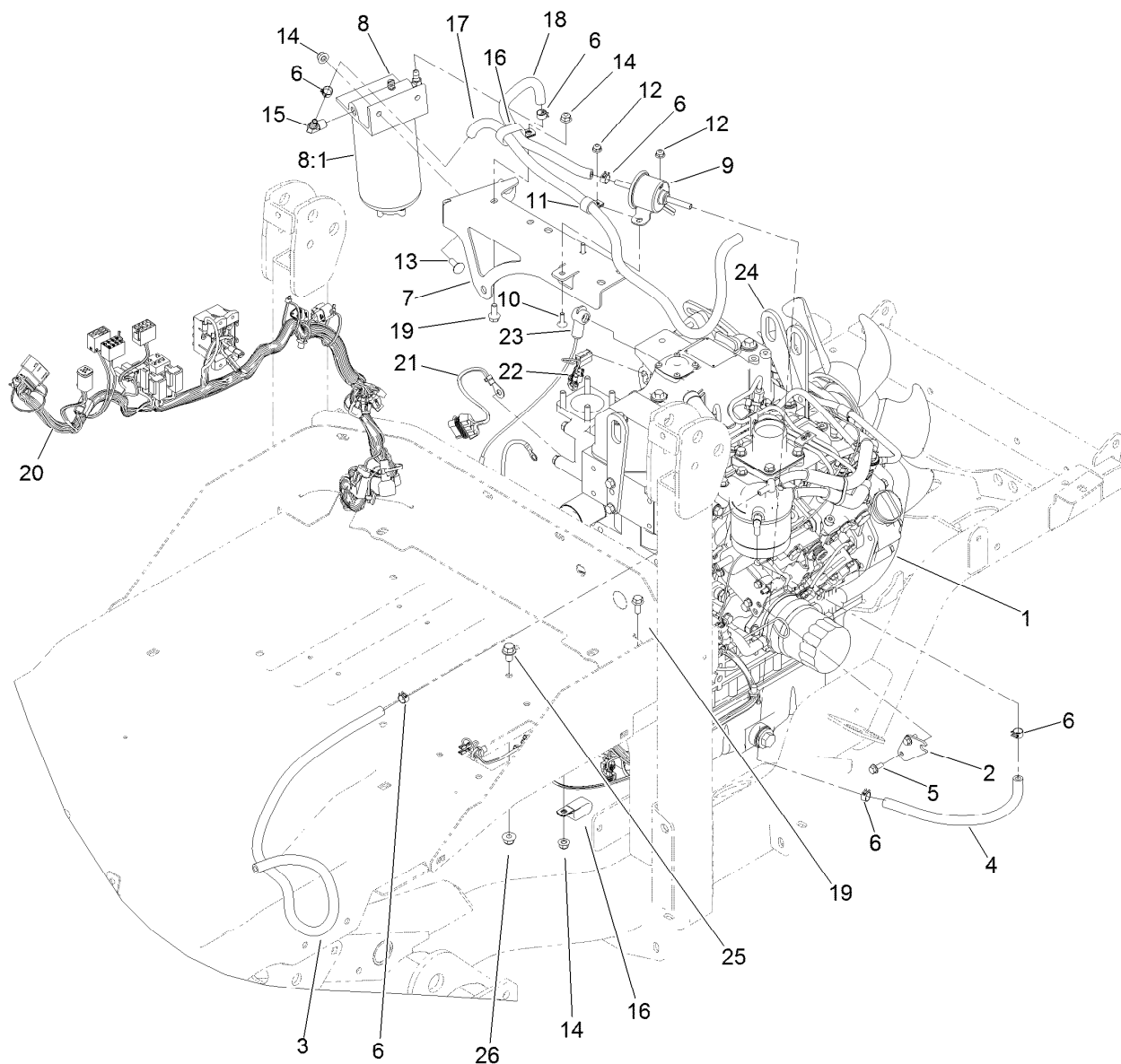
Electrical Assembly

Ref.	Part Number	Qty.	Description
2	106-5187	1	Battery, 525 CCA W/O Electrolyte
3	138-6335	1	Retainer-Battery
4	3231-29	1	Screw-CARR
5	104-8301	1	Nut-HF, NI
6	138-7467-0P	1	Bracket-Electrical
7	99-7430	1	Relay-Mini
8	99-7435	3	Relay
9	42862	1	Block-Terminal, Ground
10	140-9010	1	Battery Cover ASM
10:2	140-9033	1	Knob-Stud
10:3	32115-15	1	Nut-Push
10:4	3256-22	1	Washer-Flat
13	42863	1	Strip-Jumper
14	122-1275	1	Cable-Battery, Positive ASM
14:1	32180-115	1	Panduit, Cable Tie ●
14:8		1	Bolt ASM ■
14:8:1	32180-107	1	Bolt-Clamp, Battery
14:8:2	32180-108	2	Nut-Clamp, Battery

Ref.	Part Number	Qty.	Description
15	122-1276	1	Cable-Battery, Negative ASM
15:1	32180-115	1	Panduit, Cable Tie ●
15:10		1	Bolt ASM ■
15:10:1	32180-107	1	Bolt-Clamp, Battery
15:10:2	32180-108	2	Nut-Clamp, Battery
16	3256-21	2	Washer-Flat
17	125-8067	2	Plug-Plastic
18	117-2382	8	Plug-Plastic
19	33095-00	1	Washer-Flat
20	33115-020	1	Screw-HH
22	3253-4	1	Washer-Lock
23	33014-00	1	Nut-Hex
24	3290-378	2	Tie-Cable
25	33003-00	1	Nut-HF
26	3290-379	1	Tie-Cable
27	3234-29	1	Screw-HHF
28	120-9683	1	Washer-Plain
29	104-8300	1	Nut-HF, NI

● Not illustrated

■ Not serviced separately

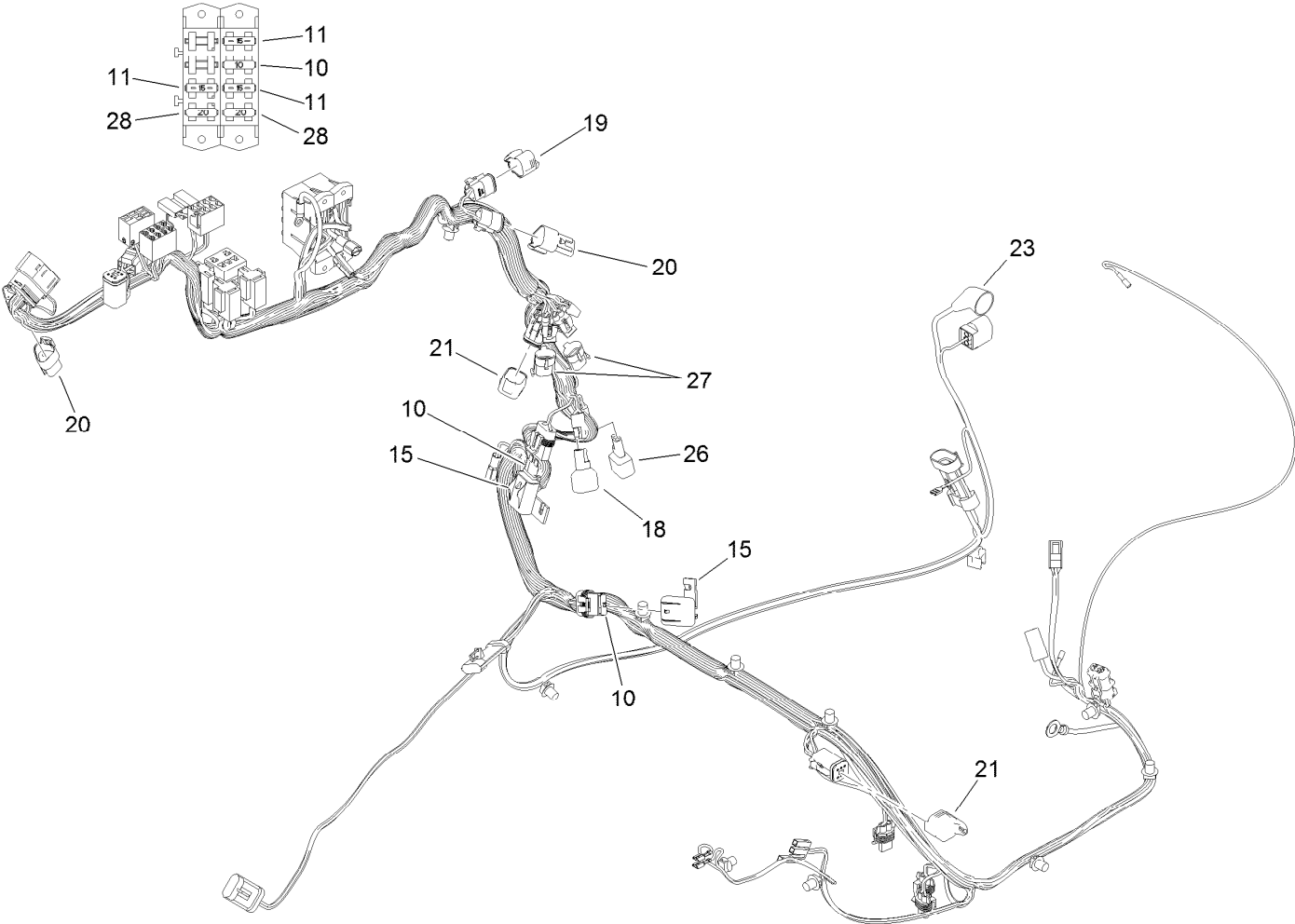


Engine and Electrical Assembly

Ref.	Part Number	Qty.	Description
1	139-6249	1	Engine-Yanmar
2	139-6267	1	Plate-Throttle
3	110-9662	1	Hose-Fuel
4	110-4104	1	Hose-Fuel
5	33103-016	2	Screw-HHF
6	92-2379	6	Clamp-Hose
7	138-4532-0P	1	Bracket-Filter Mount [primed]
8	125-2914	1	Filter-Separator
8:1	125-2915	1	Filter-Fuel/Water Separator
9	121-5613	1	Pump-Fuel, Electric
10	1-807512	2	Bolt-CARR
11	2412-87	1	Clamp-Cable
12	104-7201	2	Nut-HF, NI

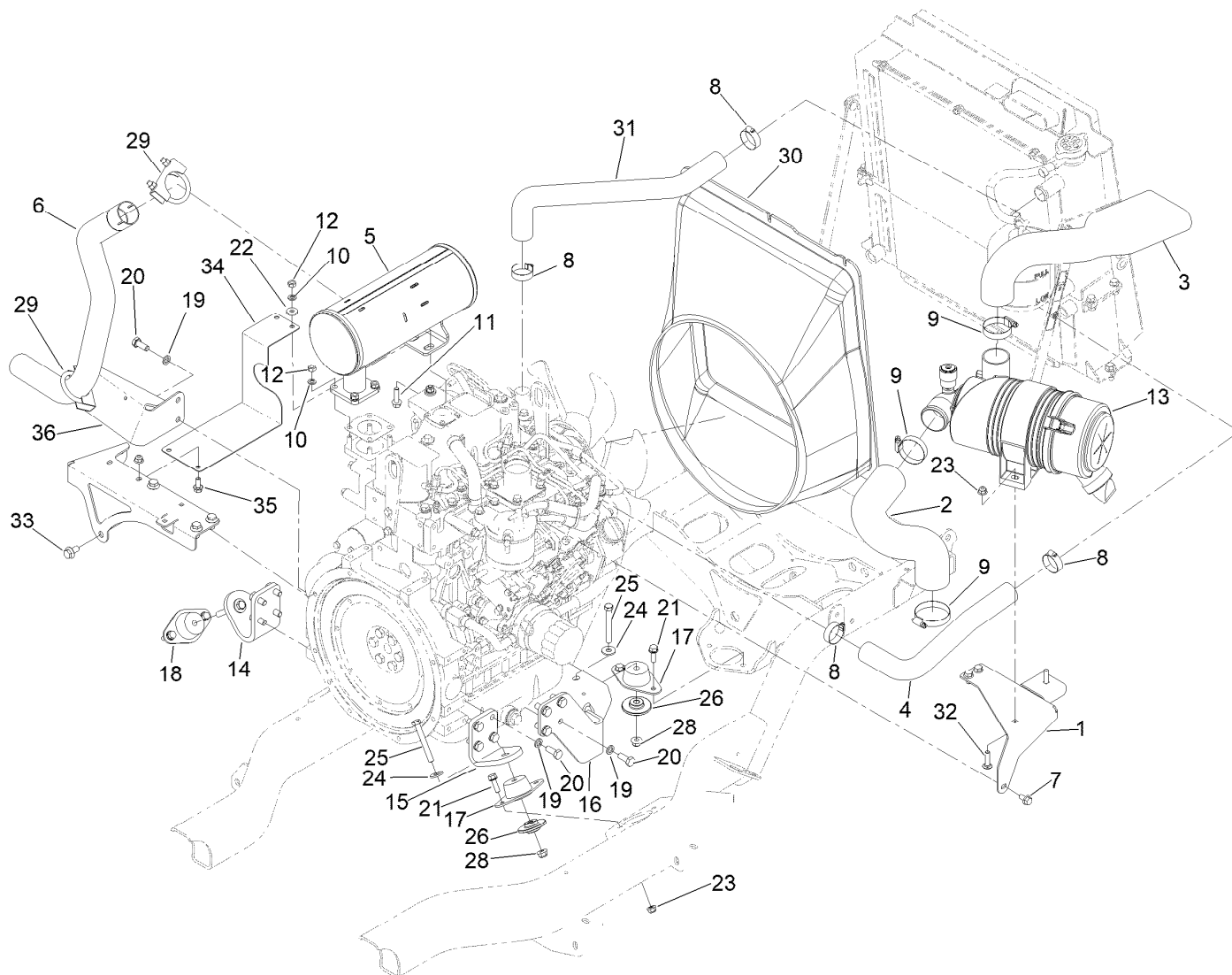
Ref.	Part Number	Qty.	Description
13	3230-10	2	Bolt-CARR
14	104-8300	4	Nut-HF, NI
15	353-781	2	Fitting-HYD, 90
16	120-1959	2	Clamp
17	126-1805	1	Hose
18	110-4101	1	Hose-Fuel
19	3234-47	2	Screw-HHF
20	122-1657	1	Harness-Wire
21	99-3441	1	Harness-Wire, Fusible Link
22	122-1768	1	Harness-Wire, Adapter
23	100-5552	1	Harness-Wire
24	140-7189-0P	1	Bracket-Lift
25	3234-9	1	Screw-HHF
26	104-8301	1	Nut-HF, NI

Wire Harness Assembly No. 122-1657



Wire Harness Assembly No. 122-1657 (continued)

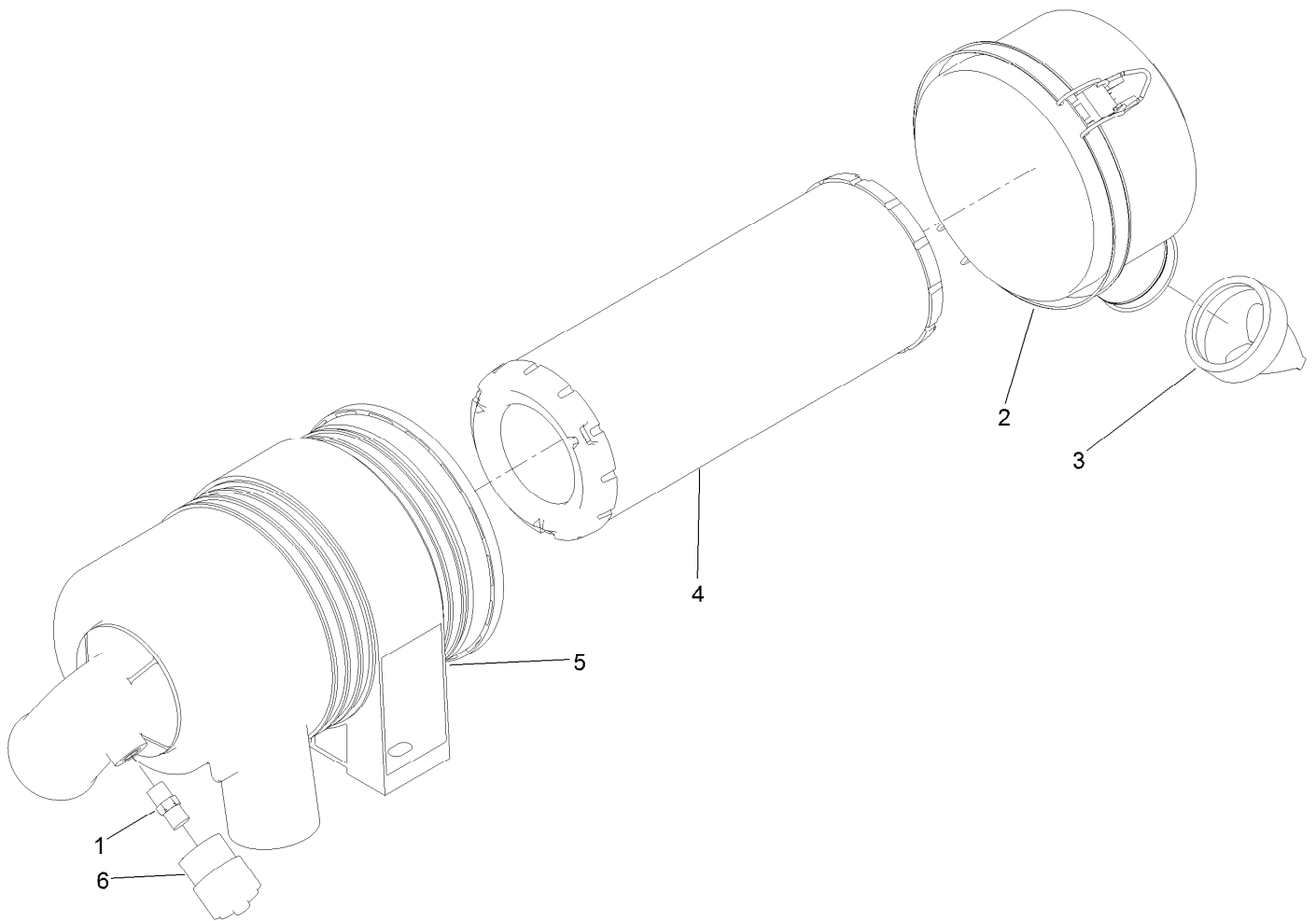
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	218-578	3	Fuse-Blade, 10 Amp	21	32180-156	2	Cap-Plug, 6 Way
11	109355	3	Fuse-Blade, 15 Amp	23	32180-017	1	Insulator-Terminal, Black
15	32180-019	2	Cover-Fuse, Single	26	104-4022	1	Resistor-75 Ohm
18	108-9493	1	Diode-Tvs	27	32180-056	2	Cap
19	32180-089	1	Cap-Plug, 3 Way	28	109101	2	Fuse-Blade, 20 Amp
20	32180-043	2	Resistor-120 Ohm				



Exhaust and Air Cleaner Assembly

Ref.	Part Number	Qty.	Description
1	139-6260-0P	1	Bracket-Air Cleaner [primed]
2	139-6263	1	Hose-Cleaner, Air
3	139-6264	1	Hose-Intake, Air
4	139-6265	1	Hose-Radiator, Lower
5	139-6269	1	Muffler ASM
6	144-0571	1	Pipe-Exhaust
7	33104-016	3	Screw-HHF
8	2412-34	4	Clamp-Hose
9	2412-130	3	Clamp-Hose
10	3253-4	6	Washer-Lock
11	33104-030	2	Screw-HHF
12	33014-00	6	Nut-Hex
13	136-4481	1	Air Cleaner ASM
14	138-0408-0P	1	Mount-Engine, RH Front
15	138-0409-0P	1	Mount-Engine, LH Front
16	138-0410-0P	1	Mount-Engine, Rear 37HP
17	120-6274	2	Mount-Engine [primed]

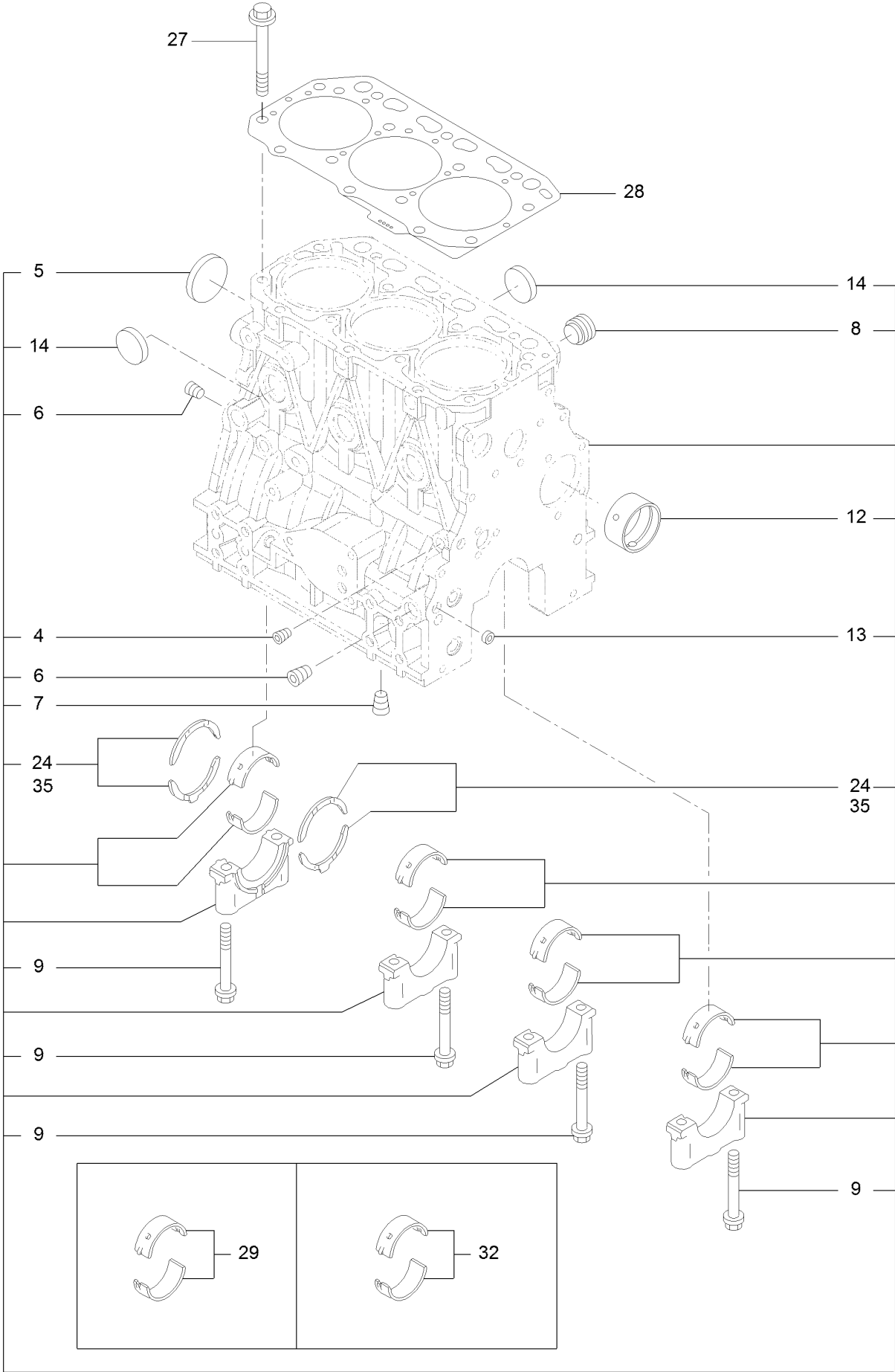
Ref.	Part Number	Qty.	Description
18	139-0856	1	Mount-Engine
19	48-9590	16	Washer-Lock
20	33115-025	16	Screw-HH
21	3234-29	5	Screw-HHF
22	88-7200	2	Washer-Flat
23	104-8300	8	Nut-HF, NI
24	80-6990	3	Washer-Hardened
25	323-14	3	Screw-HH
26	138-6462	3	Support-Isolator
28	104-8301	3	Nut-HF, NI
29	18-2130	2	Clamp
30	138-0419	1	Shroud-Fan
31	138-0429	1	Hose-Radiator, Upper
32	3230-29	2	Screw-CARR
33	33105-020	4	Screw-HHF
34	140-7186	1	Bracket-Heat Shield
35	3234-47	1	Screw-HHF
36	144-0514-03	1	Support-Tailpipe



Air Cleaner Assembly No. 136-4481

Ref.	Part Number	Qty.	Description
1	94-1416	1	Adapter-Indicator
2	98-9771	1	Cover ASM
3	94-1414	1	Valve-Vacuator
4	108-3810	1	Filter-Air
5	98-4525	1	Bracket-Cleaner, Air
6	93-9164	1	Indicator-Mini

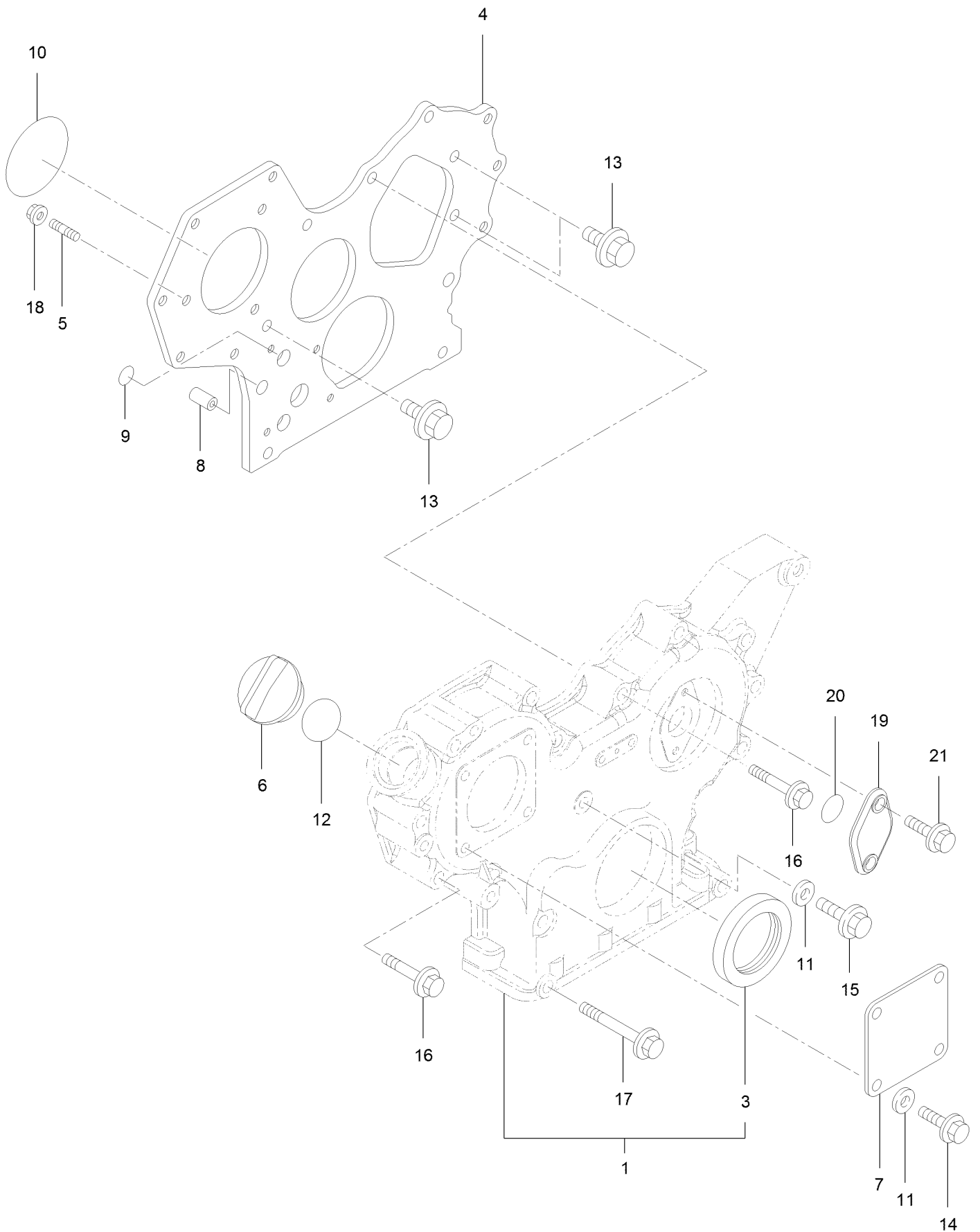
Cylinder Block Assembly



Cylinder Block Assembly (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	144-0580	1	Block Assy, Cylinder	13	125-7237	2	Plug
4	125-6969	1	Plug	14	140-7182	6	Plug 30
5	125-6980	1	Plug	24	125-7010	2	Metal-Thrust
6	125-6973	2	Plug	27	125-7006	14	Bolt
7	125-6973	1	Plug	28	144-0581	1	Gasket, Head
8	125-7170	1	Plug	29	125-6981	4	Metal-Main
9	125-7007	8	Bolt	32	125-7009	4	Metal-Main (0.25)
12	125-7108	1	Bushing	35	125-7011	1	Metal-Thrust (0.25)

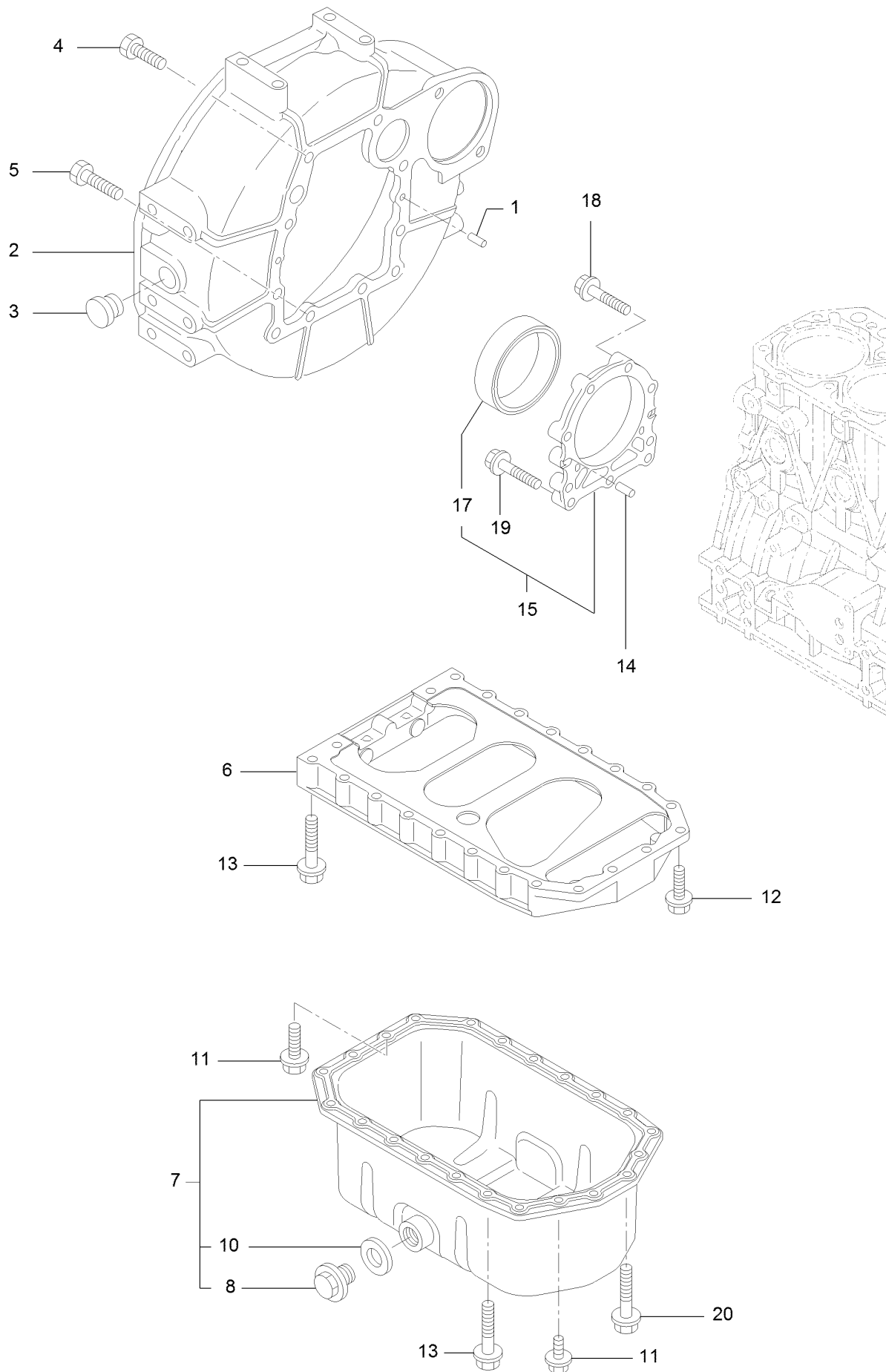
Gear Housing Assembly



Gear Housing Assembly (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	144-0582	1	Case Assy, Gear	12	125-7197	1	O-Ring
3	125-6944	1	Seal-Oil	13	125-7214	3	Bolt
4	125-6936	1	Flange	14	125-7214	4	Bolt
5	125-6919	3	Stud	15	125-7216	1	Bolt
6	125-6972	1	Cover-Filler	16	125-7221	12	Bolt
7	125-6977	1	Cover	17	125-7224	3	Bolt
8	125-7107	2	Pipe	18	125-7229	3	Nut
9	125-6909	2	O-Ring	19	125-6950	1	Cover
10	125-6957	1	O-Ring	20	125-7199	1	O-Ring
11	125-7174	5	Washer-Seal	21	125-7208	2	Bolt

Mounting Flange and Oil Sump Assembly

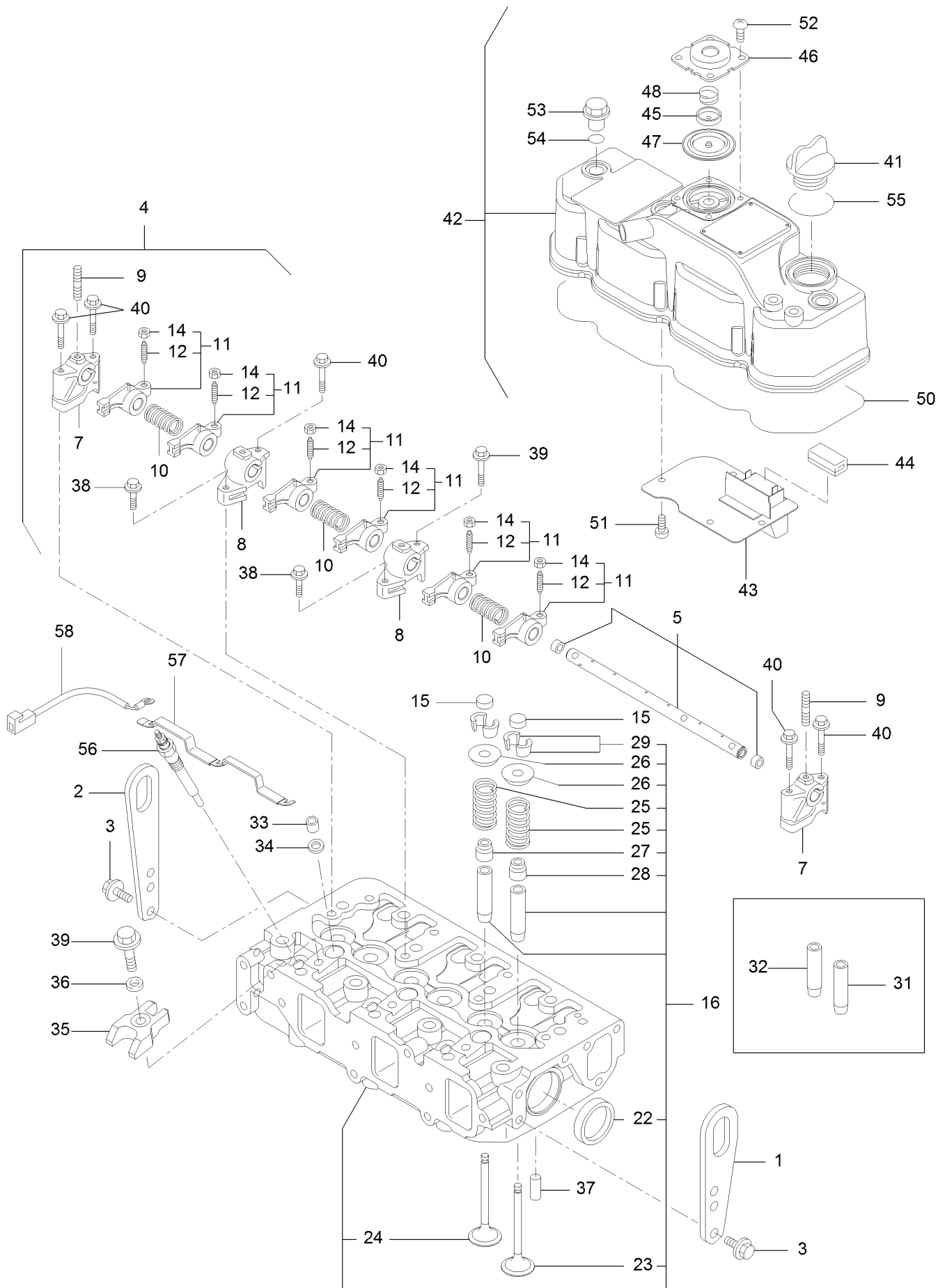


Mounting Flange and Oil Sump Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	125-6995	2	Pin
2	125-7100	1	Housing
3	125-6910	1	Cap
4	125-7226	6	Bolt
5	125-7227	4	Bolt
6	127-3756	1	Spacer
7	135-4010	1	Oil Pan ASM
8	125-6912	1	Plug-Drain
10	125-7177	1	Washer-Seal

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
11	125-7214	4	Bolt
12	125-7215	2	Bolt
13	125-7219	16	Bolt
14	125-6995	2	Pin
15	140-7173	1	Oil Seal Case ASM
17	140-7174	1	Seal-Oil
18	125-7045	6	Bolt
19	125-7217	3	Bolt
20	125-7220	4	Bolt

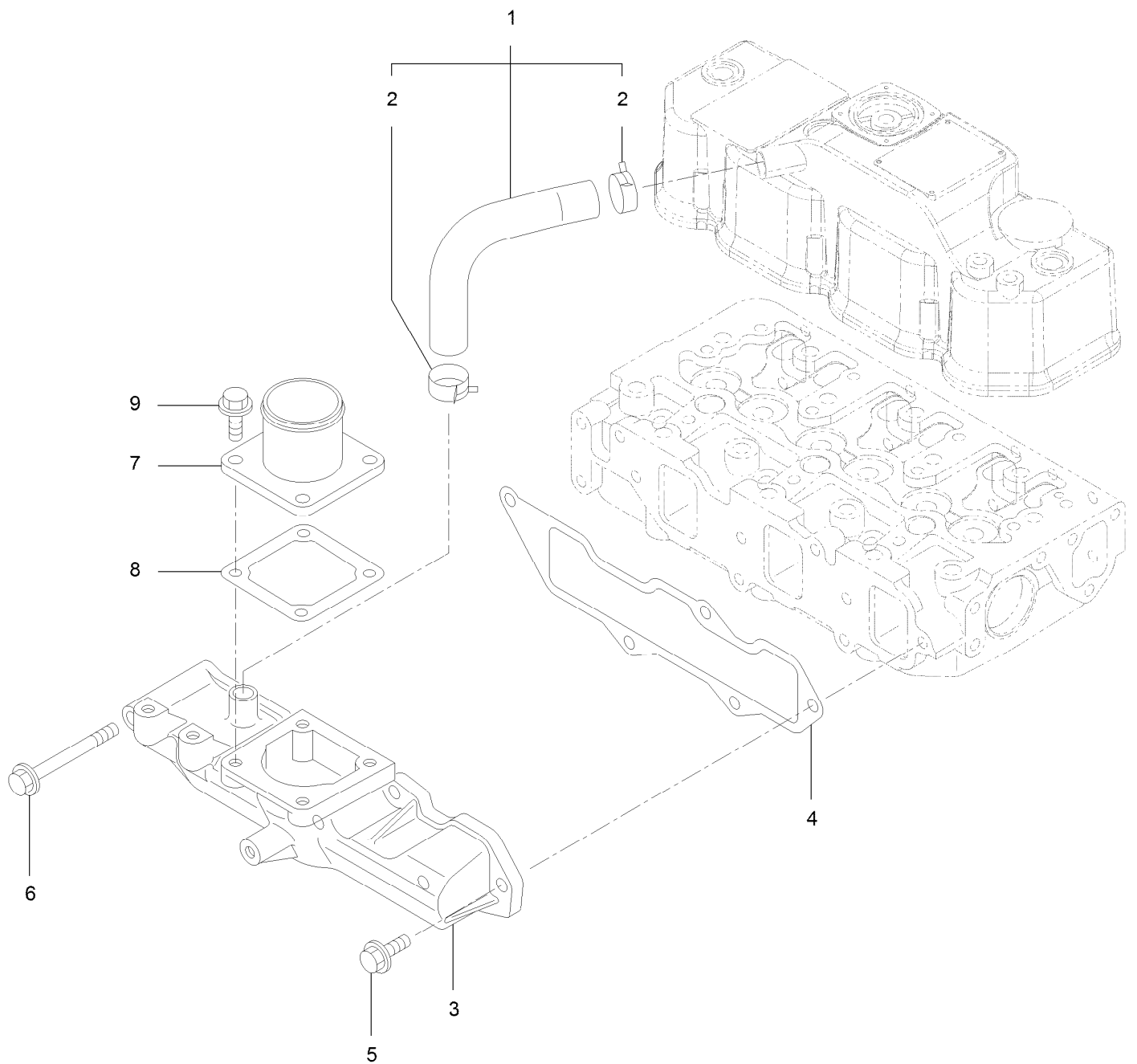
Cylinder Head Assembly



Cylinder Head Assembly (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	144-0583	1	Lifter, Engine	34	125-6911	3	Seat-Valve
2	125-7111	1	Lifter	35	144-0586	3	Retainer, Nozzle
3	125-7214	4	Bolt	36	127-2980	3	Washer-Injector
4	127-3757	1	Shaft ASM	37	125-7184	2	Pin-Spring
5	127-3758	1	Shaft	38	125-7215	2	Bolt
7	127-2974	2	Support	39	125-7217	3	Bolt
8	127-2975	2	Support	40	125-7220	6	Bolt
9	135-4012	3	Bolt,Stud	41	125-6972	1	Cover-Filler
10	127-2995	3	Spring	42	144-0587	1	Bonnet Assy
11	127-2989	6	Arm-Rocker	43	127-2988	1	Plate
12	125-7013	6	Screw-Adjust, Valve	44	125-7012	1	Baffle
14	125-7014	6	Nut	45	135-4089	1	Plate-Diaphragm
15	127-2996	6	Cap-Valve	46	144-0588	1	Cover, Diaphragm
16	144-0584	1	Head Assy, Cylinder	47	144-0589	1	Diaphragm, Breather
22	125-7240	2	Plug	48	135-4092	1	Spring-Diaphragm
23	127-2990	3	Valve	50	144-0590	1	Gasket, Bonnet
24	127-4710	3	Valve	51	125-7186	4	Screw
25	127-3012	6	Spring	52	125-7186	4	Screw
26	127-3013	6	Retainer-Spring	53	125-6974	3	Knob
27	144-0585	3	Seal, Valve Stem	54	138-7829	3	O-Ring
28	127-2986	3	Seal-Stem, Valve	55	125-7197	1	O-Ring
29	127-3186	6	Pin-Cotter	56	127-2991	3	Plug-Glow
31	127-2979	3	Guide	57	144-0591	1	Connector, Glow Plug
32	127-2997	3	Guide-Valve	58	131-2704	1	Harness-Wire
33	125-6921	3	Protector				

Suction Manifold Assembly

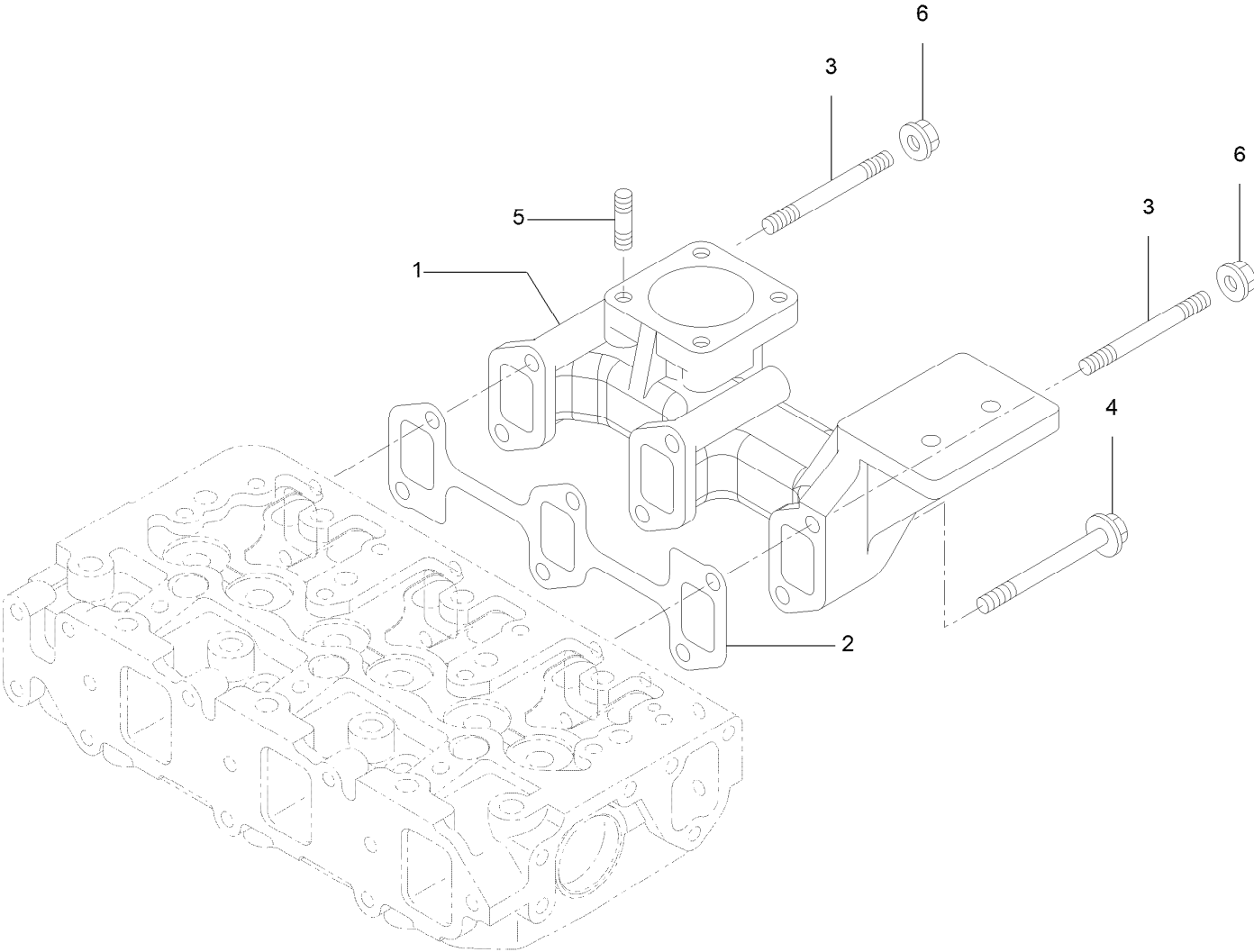


Suction Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-4704	1	Pipe
2	125-7040	2	Clip-Hose
3	144-0592	1	Manifold, Intake
4	144-0593	1	Gasket, Manifold
5	125-7595	4	Bolt

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6	125-7223	1	Bolt
7	144-0594	1	Joint, Manifold
8	125-7028	1	Gasket
9	125-7595	4	Bolt

Exhaust Manifold Assembly

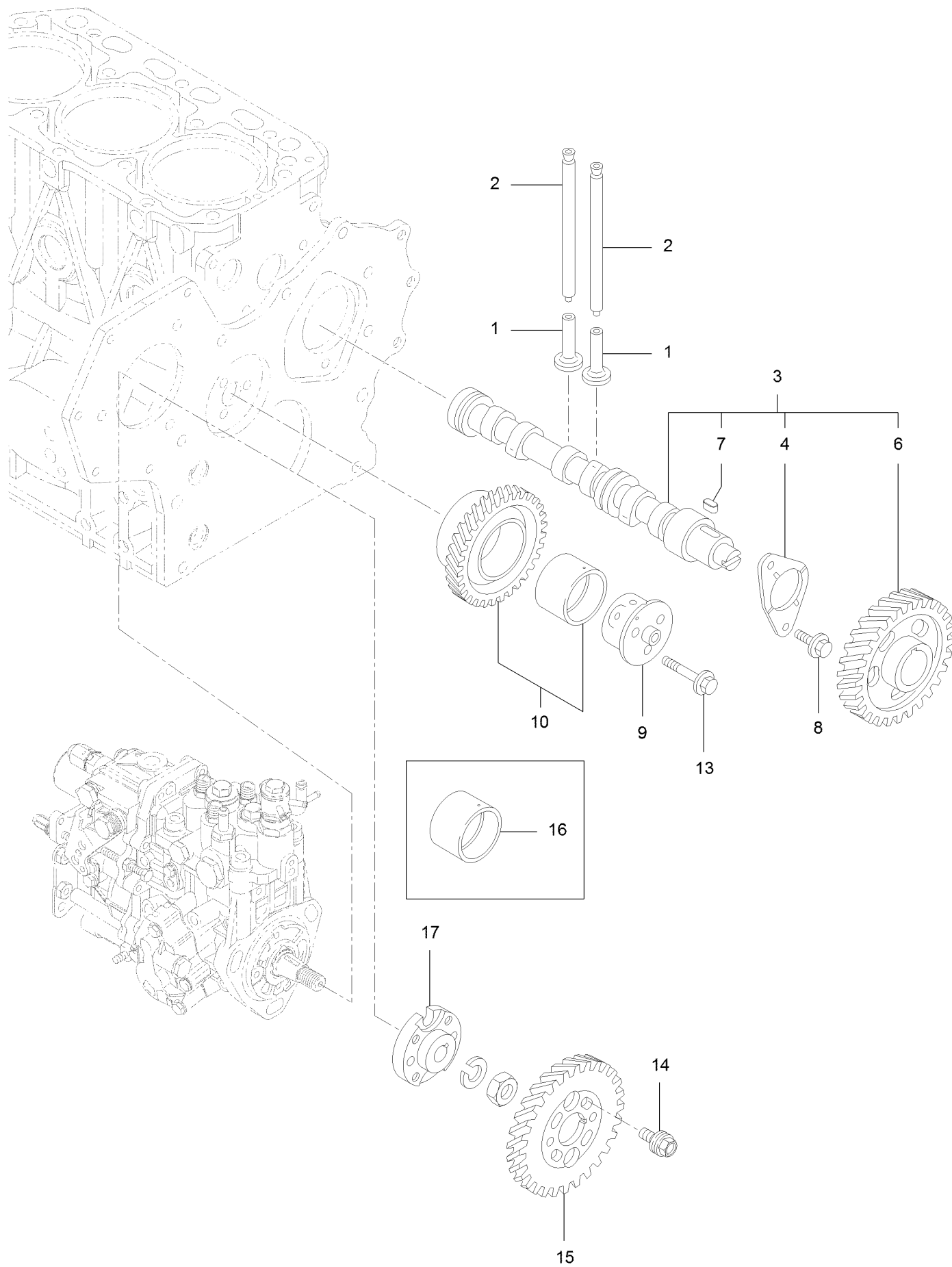


Exhaust Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-0595	1	Manifold, Exhaust
2	144-0596	1	Gasket, Manifold
3	144-0597	2	Stud, M8X80

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	144-0598	4	Bolt, M8X80 10.9T
5	125-6906	4	Stud
6	125-7229	2	Nut

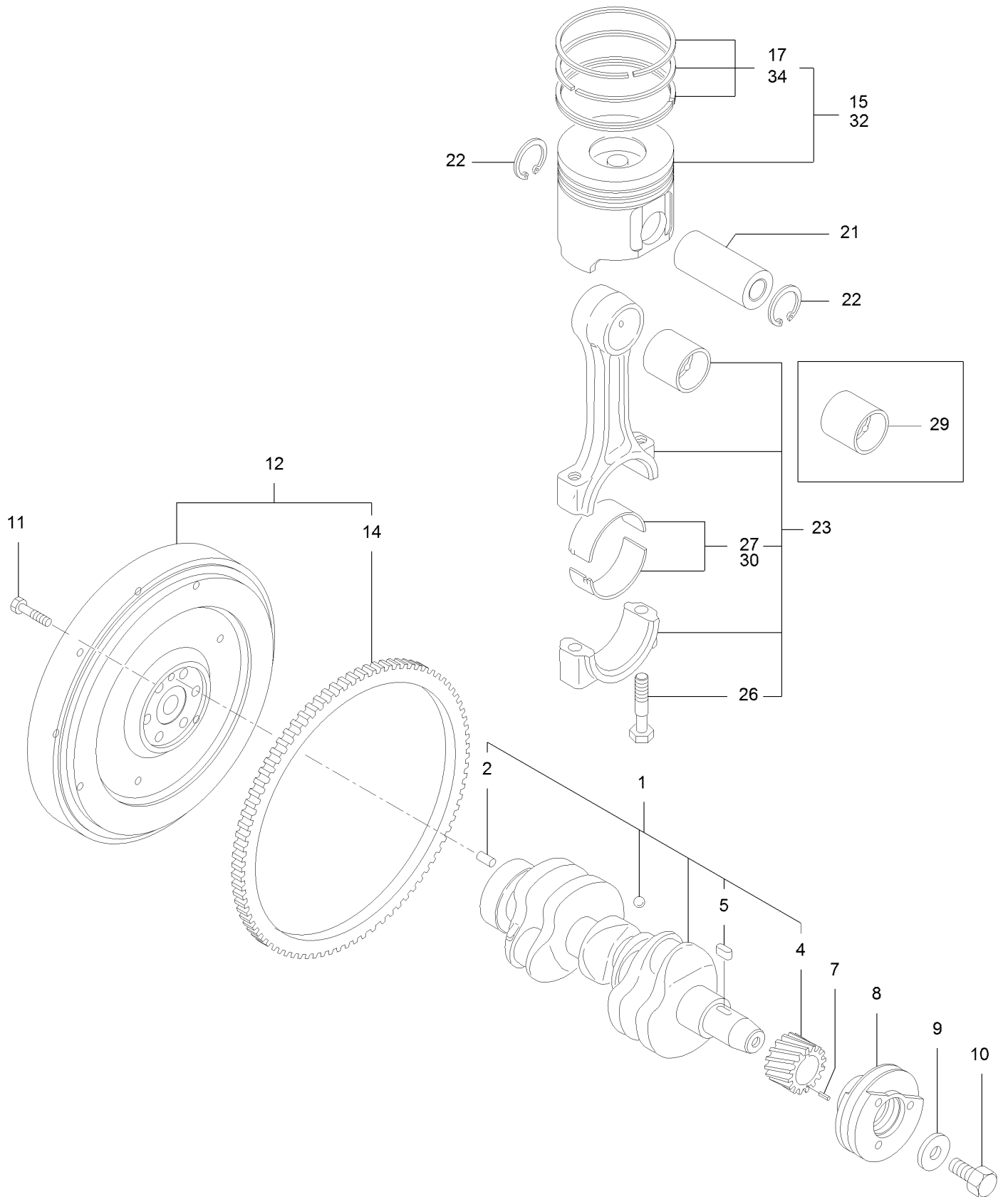
Camshaft Assembly



Camshaft Assembly (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	125-7016	6	Tappet	9	125-6938	1	Shaft
2	125-7017	6	Rod-Push	10	125-6928	1	Gear ASM
3	144-0599	1	Camshaft Assy	13	125-7218	3	Bolt
4	125-7008	1	Metal-Thrust	14	125-7020	4	Bolt
6	125-7015	1	Gear	15	125-6929	1	Gear
7	125-7185	1	Key	16	125-6926	1	Bush
8	125-7213	2	Bolt	17	125-7135	1	Flange

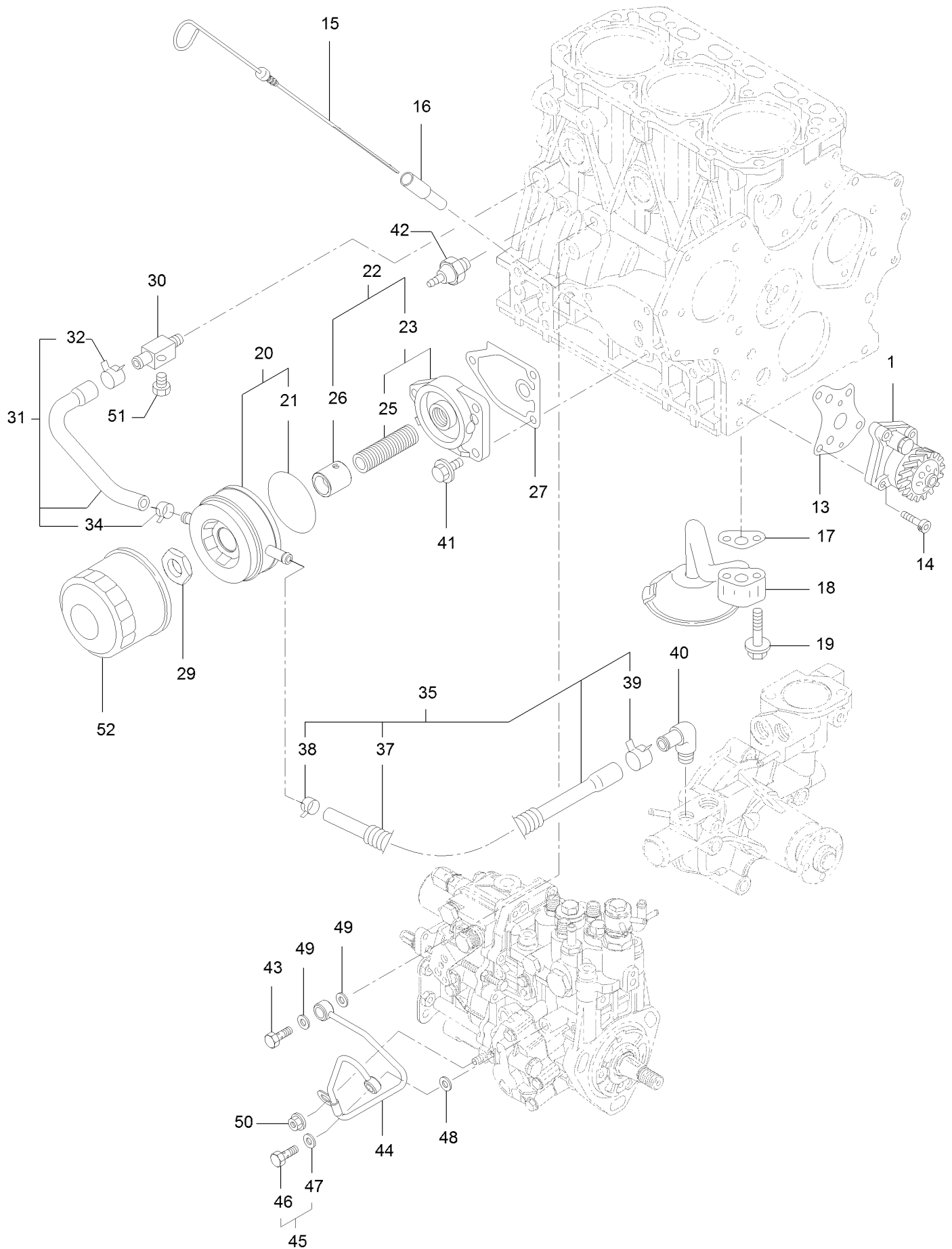
Crankshaft Assembly



Crankshaft Assembly (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	127-3800	1	Crankshaft ASM	15	144-0601	3	Piston Assy
2	125-6995	1	Pin	17	144-0602	3	Ring Set, Piston
4	125-6937	1	Gear	21	125-7030	3	Pin
5	125-7185	1	Key	22	125-7180	6	Ring
7	125-7182	1	Pin-Spring	23	125-7242	3	Connecting Rod ASM
8	127-3801	1	Pulley-V	26	125-6955	6	Bolt
9	125-7109	1	Washer	27	125-7018	3	Pin-Crank
10	125-6956	1	Bolt	29	125-6997	3	Pin-Piston
11	125-6951	6	Bolt	30	125-7019	3	Pin-Crank (.25)
12	144-0600	1	Flywheel Assy	32	144-0603	3	Piston Assy, 0.25 Os
14	125-6943	1	Gear	34	144-0604	3	Ring Set, Piston .25

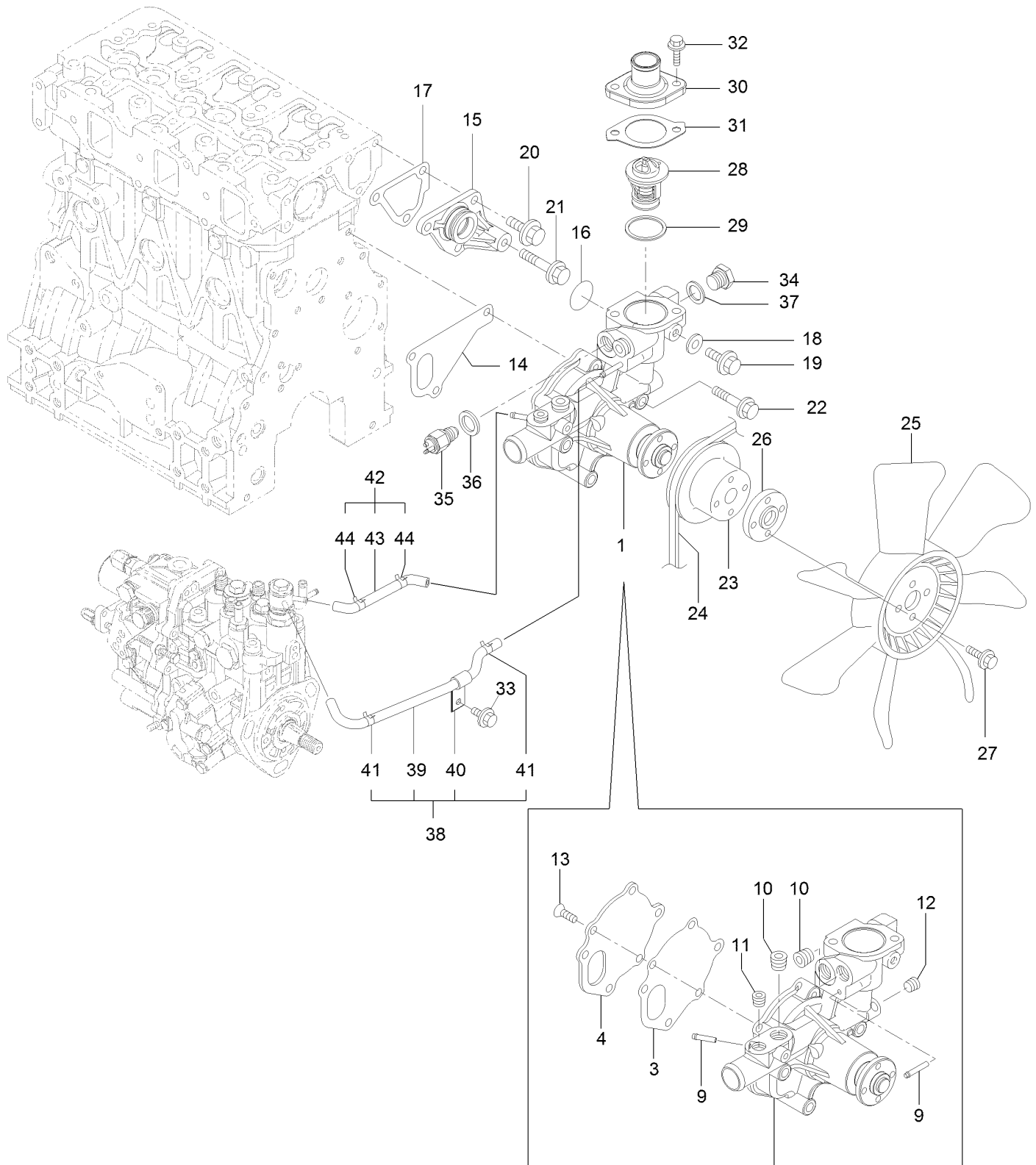
Oil Pump and Filter Assembly



Oil Pump and Filter Assembly (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	144-0605	1	Pump Assy, Oil	34	125-7191	1	Clamp-Hose
13	125-7021	1	Gasket	35	127-3804	1	Pipe ASM
14	125-7232	4	Bolt	37	127-3805	1	Tube
15	140-7168	1	Dipstick-Oil	38	125-7191	1	Clamp-Hose
16	125-6954	1	Guide-Dipstick	39	125-7162	1	Clip
17	125-7022	1	Gasket	40	125-7001	1	Elbow
18	135-4017	1	Oil Inlet Pipe ASM	41	125-7595	3	Bolt
19	125-7217	2	Bolt	42	134-1377	1	Switch-Hydraulic
20	135-4018	1	Oil Cooler ASM	43	125-6975	1	Bolt-Joint, Pipe
21	135-4019	1	Packing-Oil Cooler	44	144-0606	1	Pipe Assy, Oil
22	135-4021	1	Lo Filter Bracket ASM	45	125-6988	1	Joint Bolt ASM
23	140-7169	1	Filter Bracket ASM	46	125-7194	1	Bolt-Joint
25	125-7042	1	Stud	47	125-7174	1	Washer-Seal
26	135-4022	1	Collar-Cooler, Oil	48	125-7174	1	Washer-Seal
27	125-7024	1	Gasket	49	125-7175	2	Washer-Seal
29	135-4020	1	Nut	50	125-7231	1	Nut
30	125-6990	1	Joint	51	125-7171	1	Plug-Drain
31	125-7078	1	Pipe ASM	52	144-0607	1	Filter, Lub.Oil
32	125-7162	1	Clip				

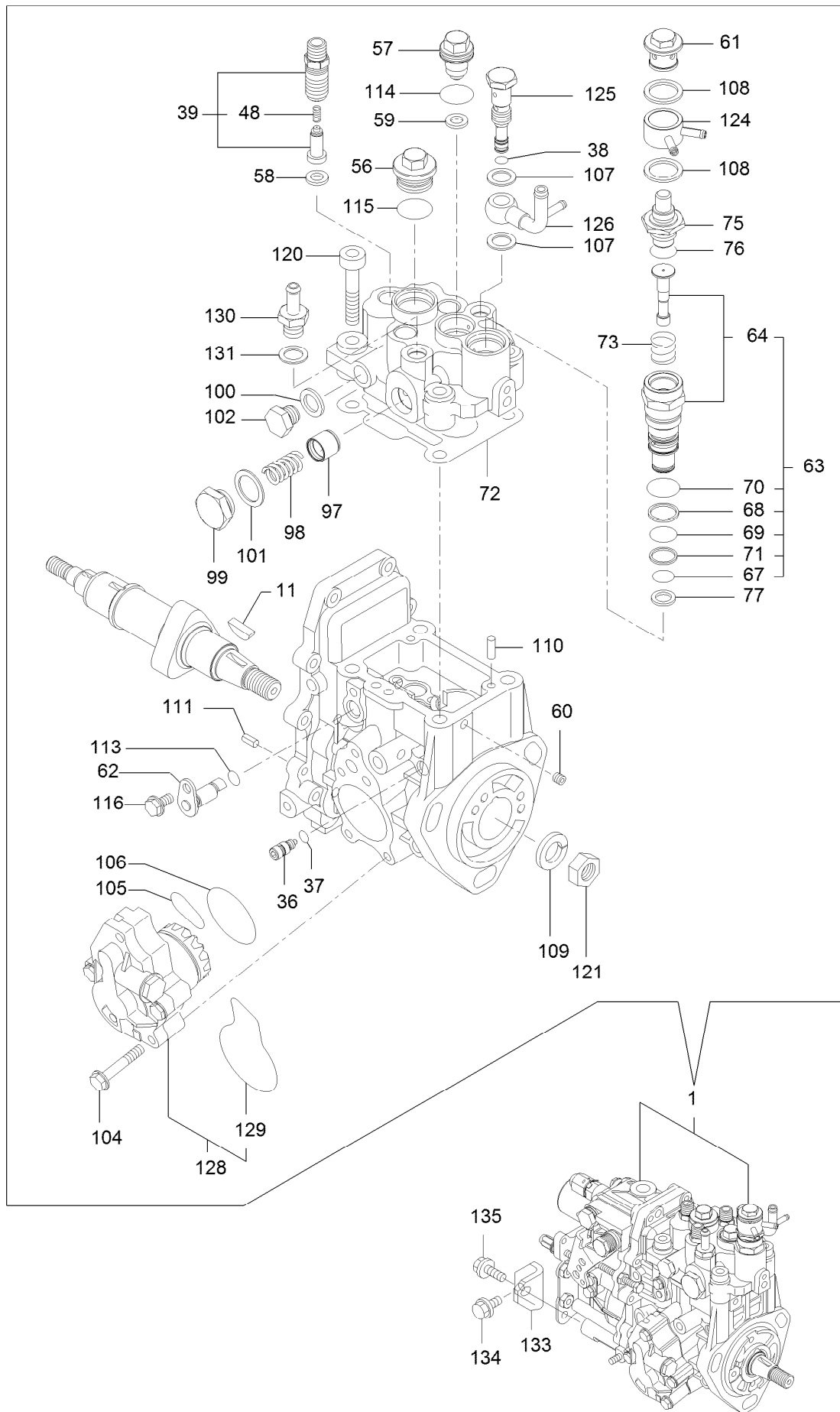
Water Pump and Fan Assembly



Water Pump and Fan Assembly (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	144-0608	1	Pump Assy, CW	26	127-3810	1	Spacer
3	125-6998	1	Gasket	27	125-7209	4	Bolt
4	125-6999	1	Plate	28	125-7029	1	Thermostat
9	144-0609	2	Joint, Pipe	29	125-7026	1	Gasket
10	133-6796	2	Plug	30	140-7171	1	Cover-Thermostat
11	127-3175	1	Plug	31	125-7110	1	Gasket
12	125-7195	1	Plug	32	125-7594	2	Bolt
13	140-7170	3	Screw-Flat	33	125-7206	1	Bolt
14	125-7047	1	Gasket	34	125-6953	1	Plug
15	125-6986	1	Joint	35	134-3128	1	Sensor-Temperature
16	125-7048	1	O-Ring	36	134-4010	1	Gasket
17	125-6978	1	Gasket	37	125-6979	1	Gasket
18	125-7192	1	Gasket	38	144-0610	1	Hose Assy, Water A
19	125-7212	1	Bolt	39	144-0611	1	Hose, Water A
20	125-7214	3	Bolt	40	144-0612	1	Retainer, Pipe
21	125-7219	1	Bolt	41	136-8226	2	Clamp-Hose
22	125-7222	3	Bolt	42	144-0613	1	Hose Assy, Water B
23	127-4712	1	V-Pulley	43	144-0614	1	Hose, Water B
24	127-4771	1	V-Belt	44	136-8226	2	Clamp-Hose
25	135-4196	1	Fan-Cooling 1				

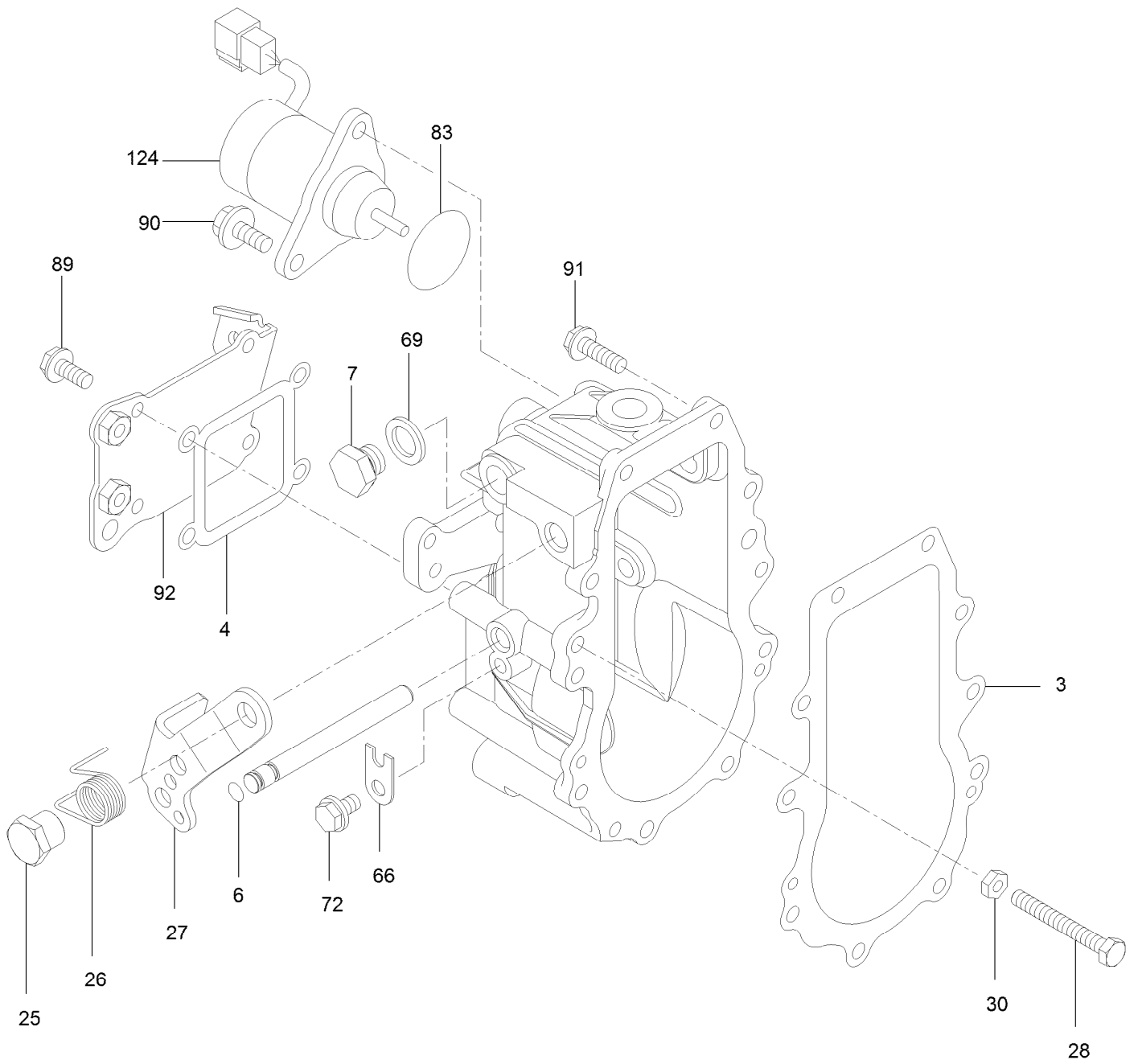
Fuel Injection Pump Assembly



Fuel Injection Pump Assembly (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	144-0615	1	Fie Assy	99	125-7160	1	Plug
11	125-6932	1	Key	100	125-7176	1	Washer-Seal
36	125-7156	1	Stopper	101	125-7591	1	Washer-Seal
37	125-7154	1	O-Ring	102	125-7148	1	Plug
38	125-7154	1	O-Ring	104	125-7147	4	Bolt
39	144-0616	3	Valve Assy, Delivery	105	125-7142	1	O-Ring
48	125-7155	3	Spring	106	125-7143	1	O-Ring
56	125-7157	1	Plug	107	125-7176	2	Washer-Seal
57	125-6933	1	Plug	108	125-7591	2	Washer-Seal
58	125-7136	3	Gasket	109	125-7179	1	Washer-Spring
59	125-7136	1	Gasket	110	125-7181	2	Pin-Parallel
60	125-7151	1	Plug	111	125-7183	2	Pin-Spring
61	144-0617	1	Plug	113	144-0623	1	O-Ring, 1Ap7.0
62	125-7137	1	Lifter	114	125-7201	1	O-Ring
63	144-0618	1	Timer Assy	115	125-7202	1	O-Ring
64	144-0619	1	Timer Assy	116	125-7205	1	Bolt
67	125-7145	1	O-Ring	120	125-7233	4	Bolt
68	125-6934	1	Ring	121	125-7236	1	Nut
69	125-6935	1	O-Ring	124	144-0624	1	Joint, Cooling Water
70	125-7202	1	O-Ring	125	125-7158	1	Joint
71	125-7203	1	Ring-Back Up	126	125-7139	1	Joint
72	125-7138	1	Gasket	128	125-7141	1	Feed Pump ASM
73	144-0620	1	Spring, Timer	129	125-7144	1	O-Ring
75	144-0621	1	Element, Thermostat	130	125-6945	1	Joint
76	144-0622	1	O-Ring, P14	131	125-7176	1	Washer-Seal
77	125-7146	1	Gasket	133	144-0625	1	Retainer, Fuel Pump
97	125-7159	1	Piston	134	125-7214	1	Bolt
98	125-7140	1	Spring	135	125-7595	1	Bolt

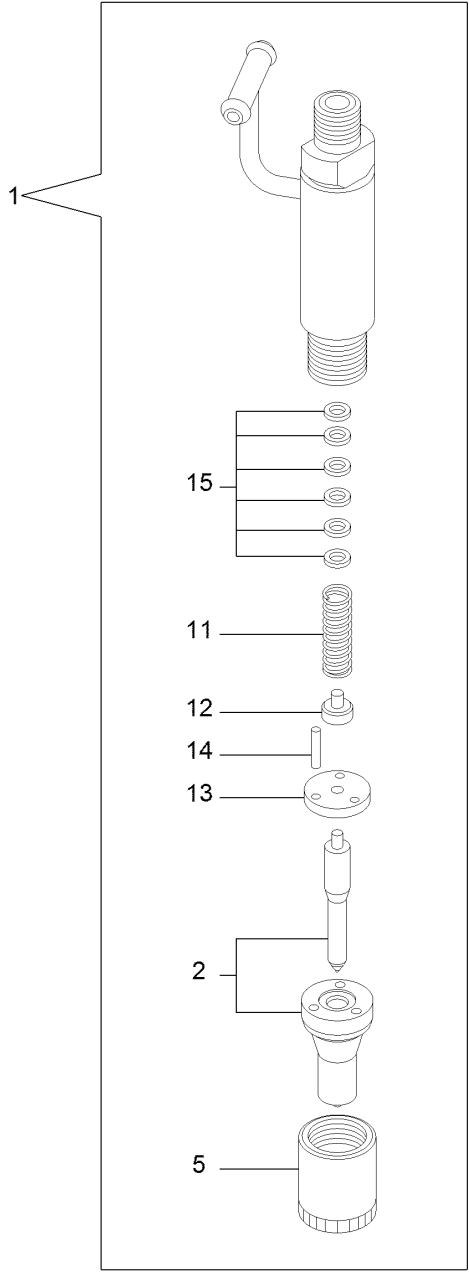
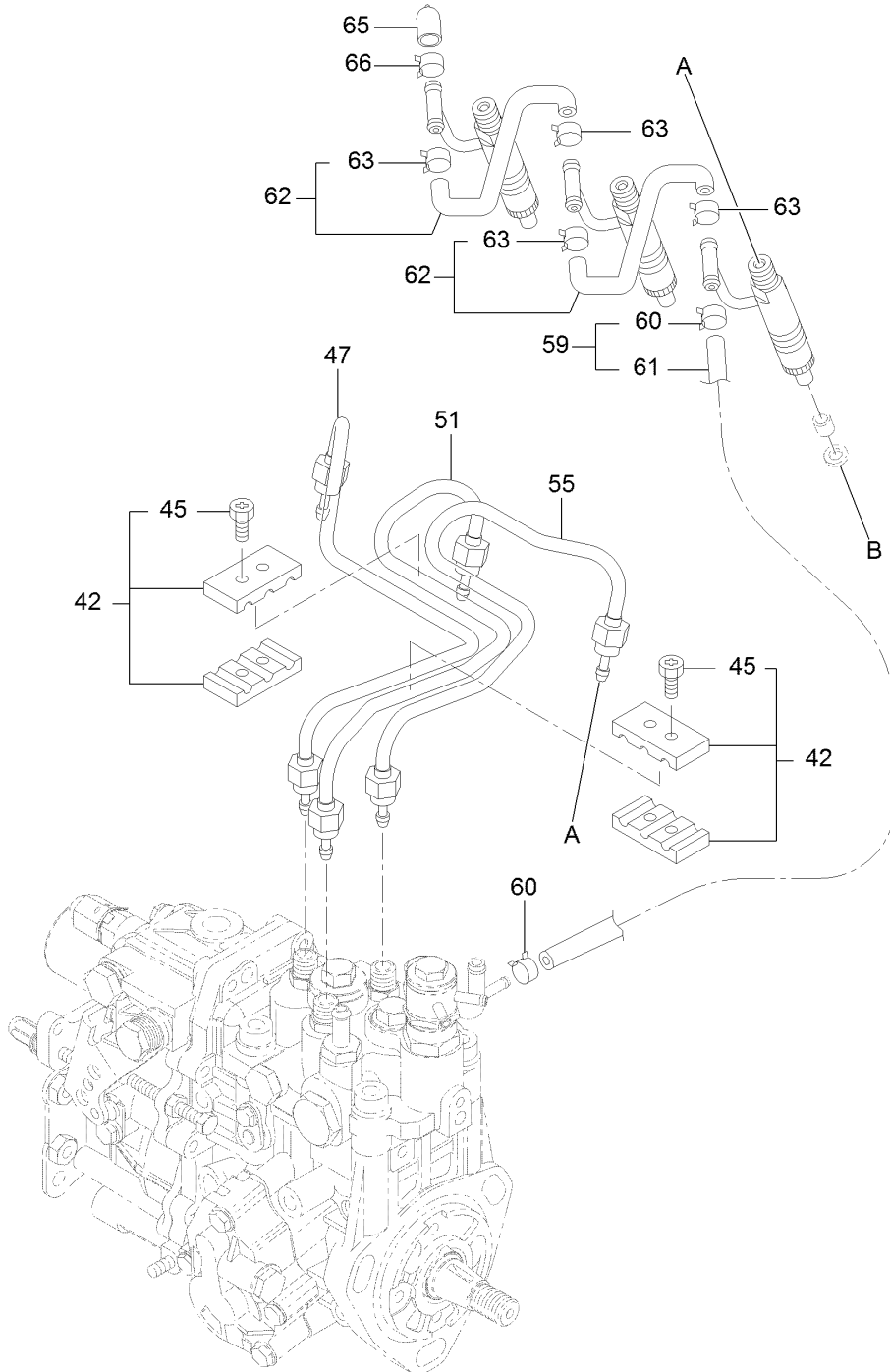
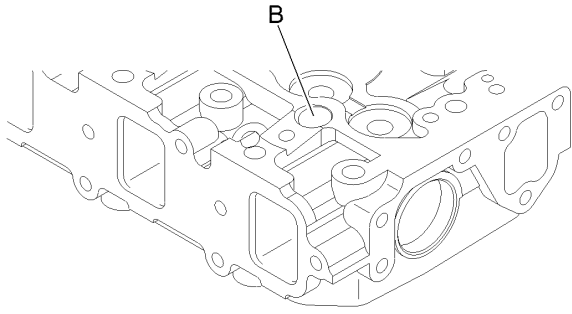
Governor Assembly



Governor Assembly (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>
3	125-7149	1	Gasket	66	134-1395	1	Stopper-Shaft
4	144-0626	1	Gasket, Case	69	125-7176	1	Washer-Seal
6	135-4207	1	O-Ring	72	125-7205	1	Bolt
7	125-7148	1	Plug	83	134-1520	1	O-Ring
25	134-1508	1	Nut	89	125-7206	4	Bolt
26	144-0627	1	Spring, Return	90	125-7206	2	Bolt
27	144-0628	1	Lever, Regulator	91	125-7209	10	Bolt
28	134-4013	1	Bolt-Limit, Idle	92	144-0629	1	Cover, Governor Case
30	134-4014	1	Nut	124	140-7172	1	Stop-Solenoid

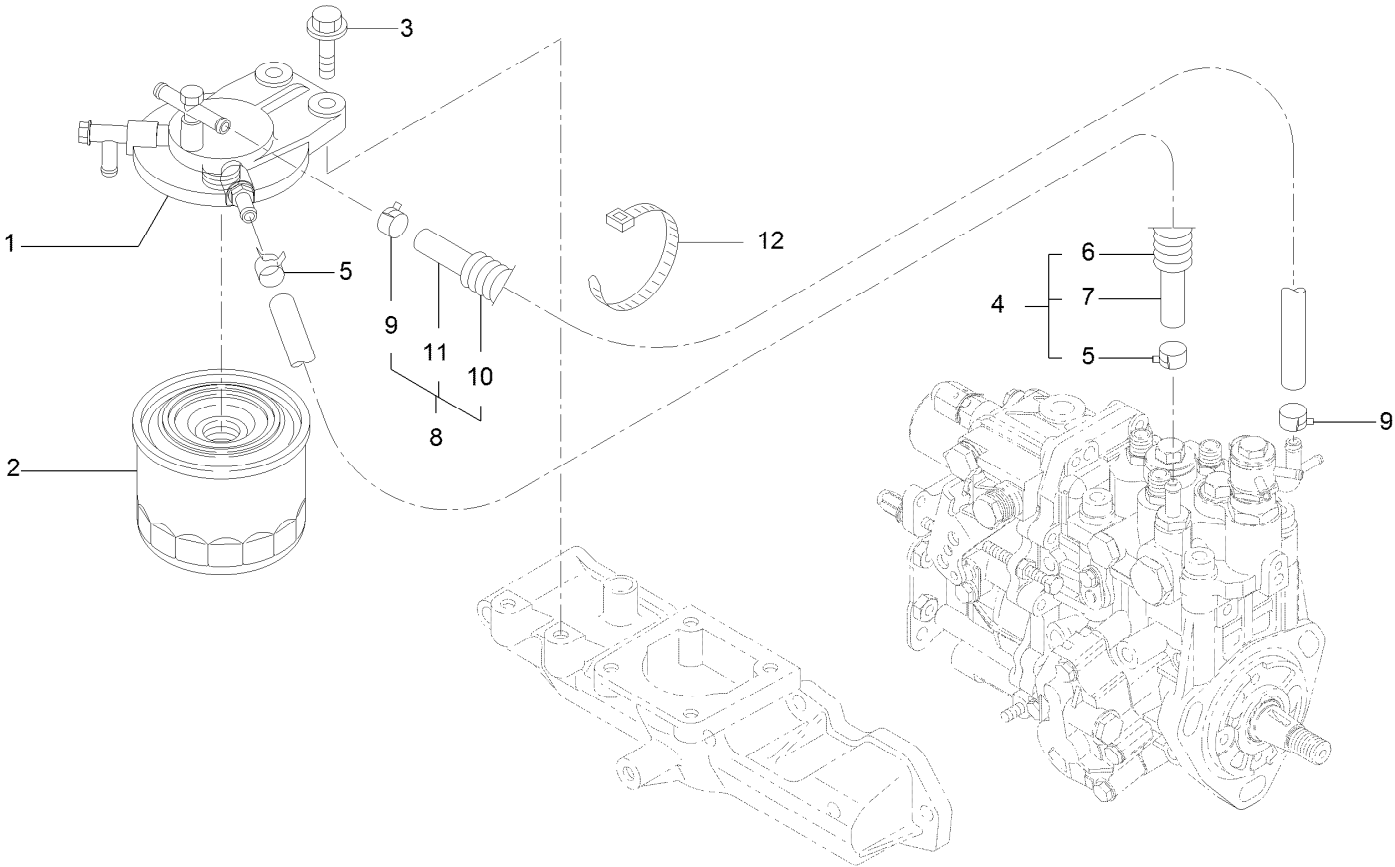
Fuel Injection Valve Assembly



Fuel Injection Valve Assembly (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	144-0630	3	Valve Assy,Injection	47	144-0632	1	Pipe Assy, Injection
2	144-0631	3	Valve Assy,Injection	51	144-0633	1	Pipe Assy, Injection
5	125-6901	3	Nut	55	144-0634	1	Pipe Assy, Injection
11	125-6902	3	Spring	59	144-0635	1	Hose Assy, Return
12	125-6903	3	Seat-Spring	60	136-8226	2	Clamp-Hose
13	125-6904	3	Plate	61	144-0636	1	Hose, Fuel Return
14	125-6905	6	Pin	62	144-0637	2	Hose Assy, Return
15	125-6939	3	Shim Set	63	136-8226	4	Clamp-Hose
42	134-1488	2	Retainer-Pipe	65	144-0638	1	Cap, Return Pipe
45	125-7027	4	Bolt	66	125-6970	1	Clip

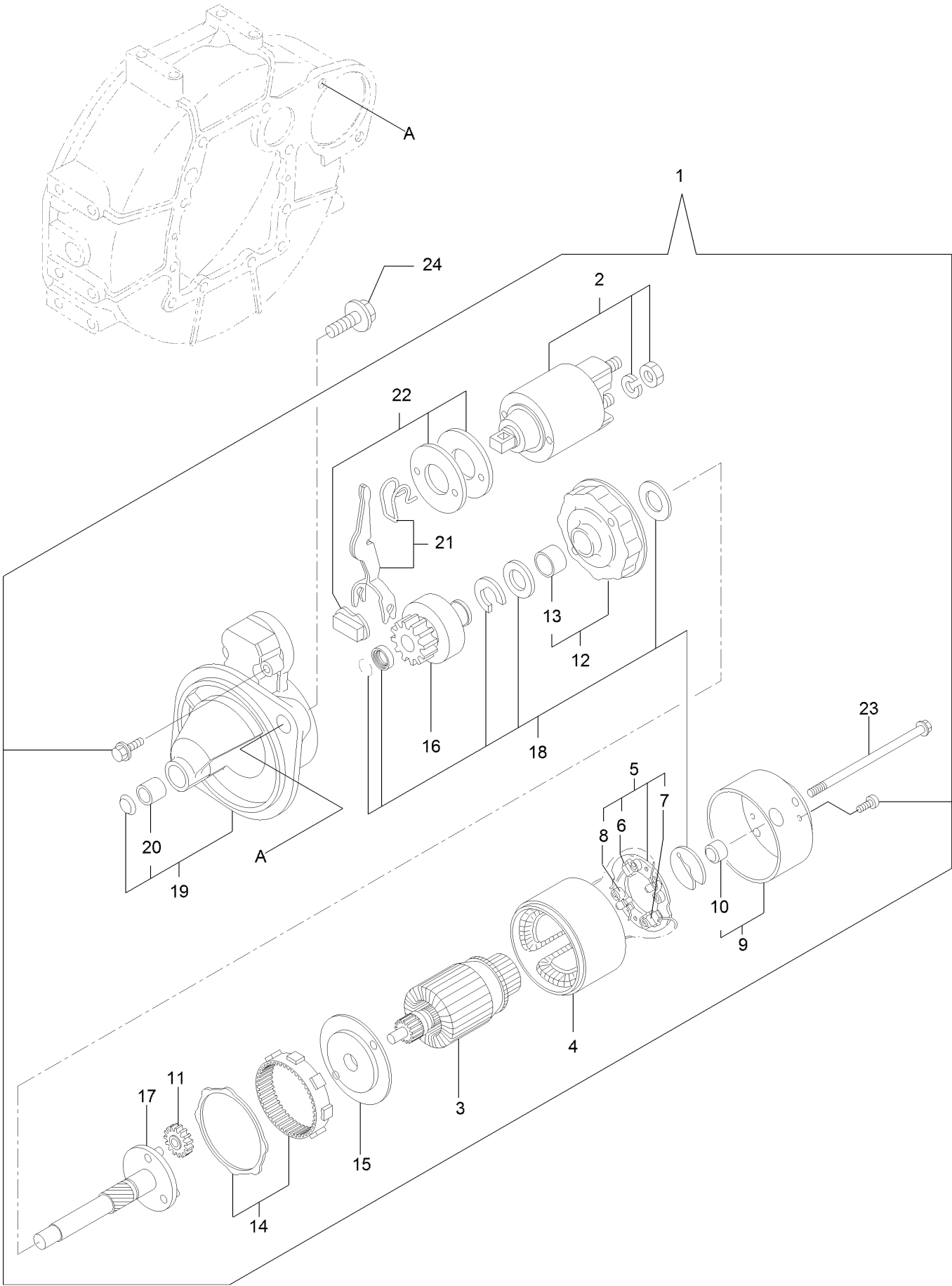
Fuel Filter Assembly



Fuel Filter Assembly (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	144-0639	1	Bracket, Filter	7	144-0643	1	Hose, Fuel L=220
2	144-0640	1	Filter, Fo	8	144-0644	1	Hose Assy, Fuel
3	125-7216	2	Bolt	9	140-7167	2	Clamp-Hose (11.5)
4	144-0641	1	Hose Assy, D13XI220	10	144-0645	1	Tube, Corrugated 15
5	140-7167	2	Clamp-Hose (11.5)	11	144-0646	1	Hose, Fuel
6	144-0642	1	Tube, Corrugated 15	12	127-2981	1	Band

Starting Motor Assembly

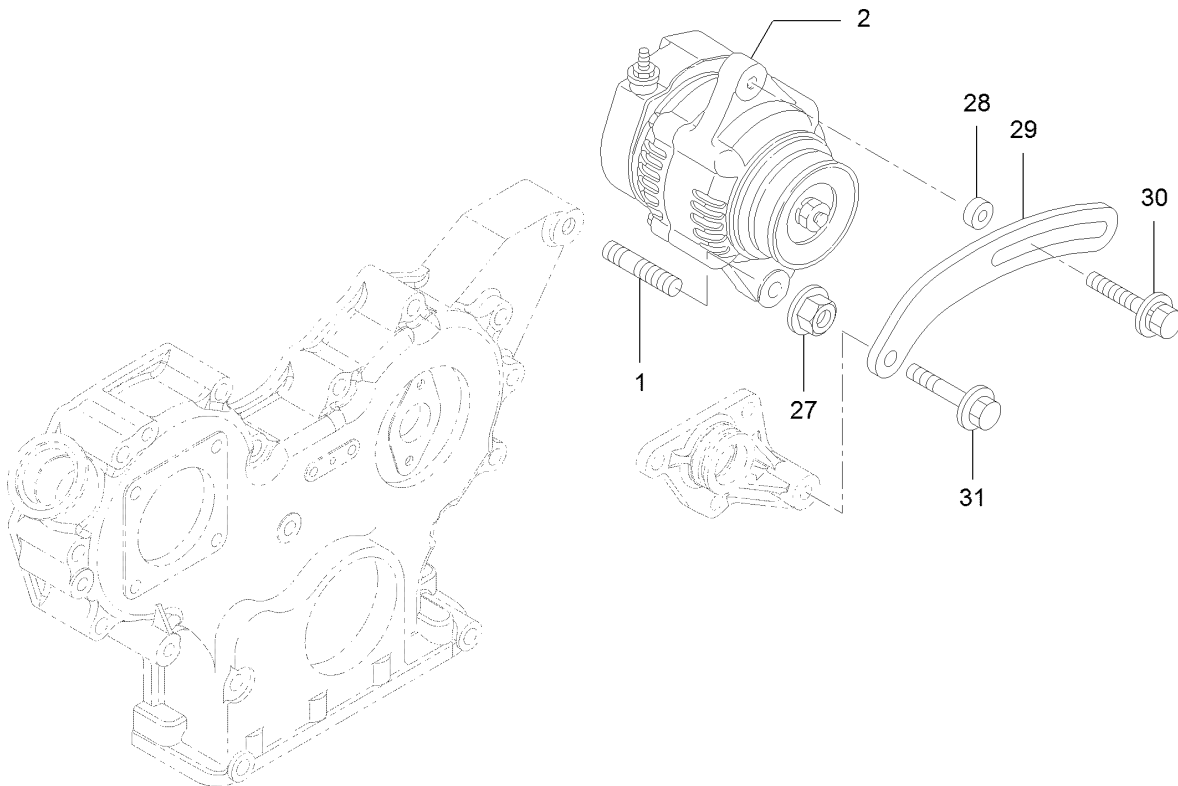
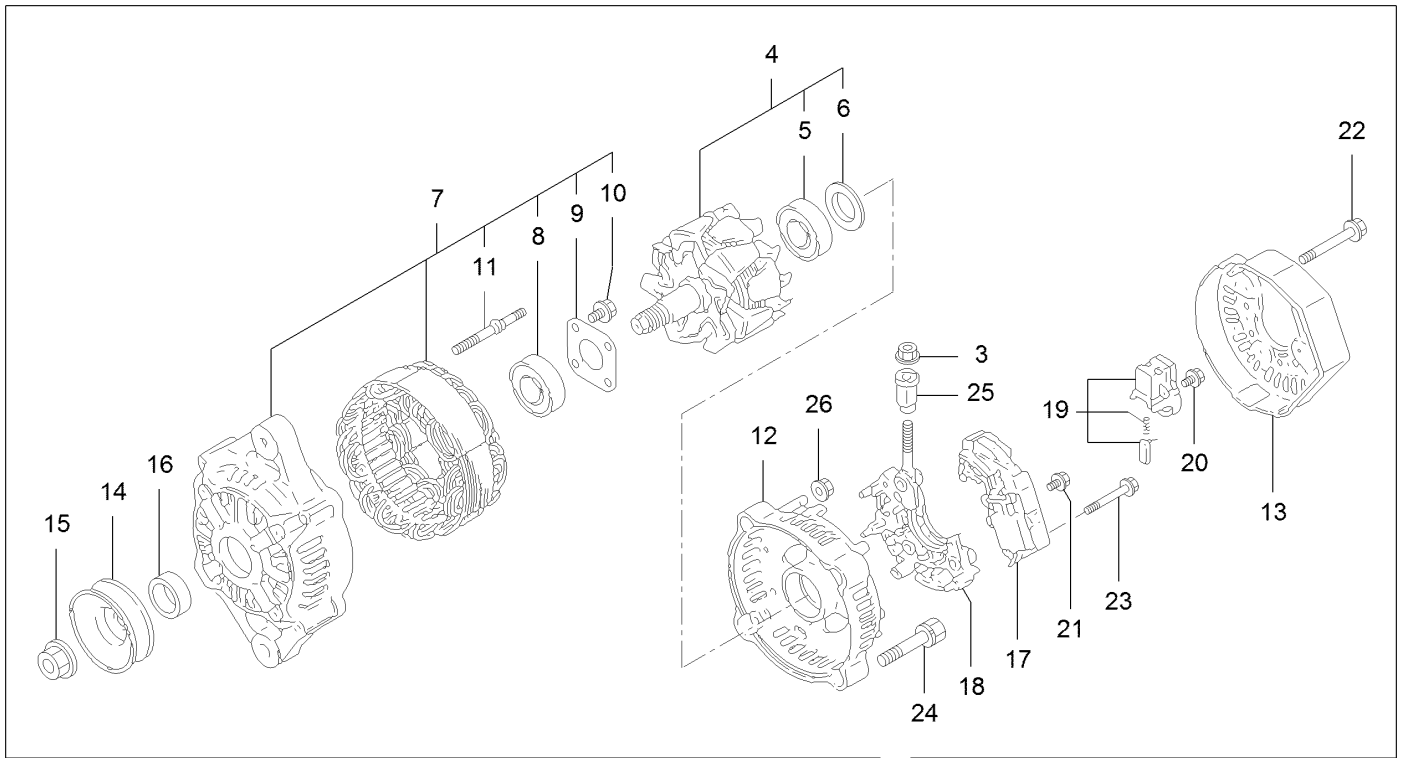


Starting Motor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-3818	1	Starter ASM
2	127-3819	1	Switch ASM
3	127-3820	1	Armature ASM
4	127-3821	1	Yoke ASM
5	127-3822	1	Brush Holder ASM
6	127-3823	2	Brush
7	127-3824	1	Brush Set
8	127-3825	4	Spring
9	127-3826	1	Cover ASM
10	127-3827	1	Metal
11	127-3828	3	Gear
12	127-3829	1	Bracket

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
13	127-3830	1	Bracket
14	127-3831	1	Gear
15	127-3832	1	Bracket
16	127-3833	1	Pinion ASM
17	127-3834	1	Shaft
18	127-3835	1	Washer Set
19	127-3836	1	Case ASM
20	127-3837	1	Metal-Starter
21	127-3838	1	Lever Set
22	127-3839	1	Dust Cover ASM
23	135-4024	2	Bolt-Through
24	125-7225	2	Bolt

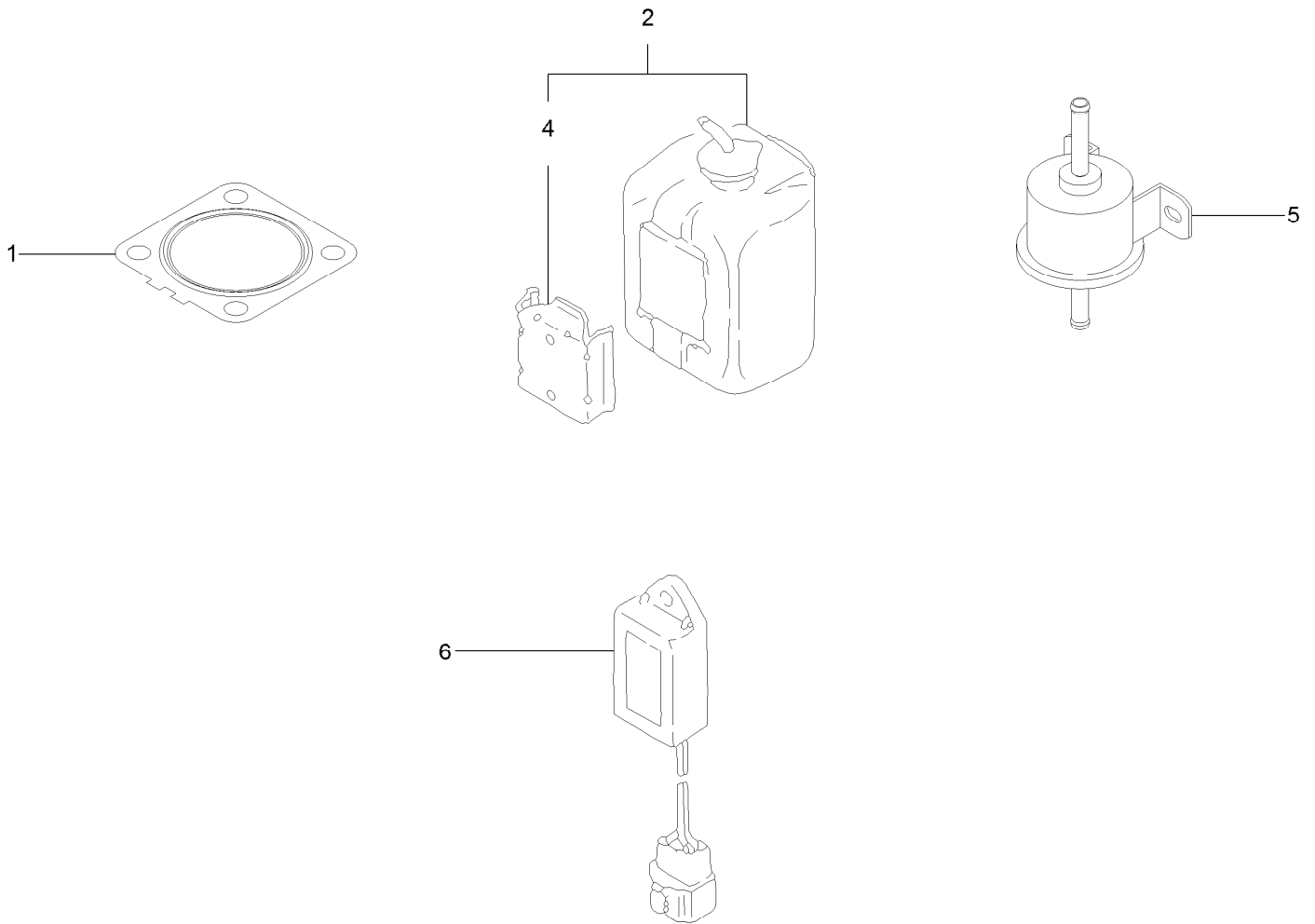
Generator Assembly



Generator Assembly (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	127-3011	1	Stud	17	144-0648	1	Regulator Assy
2	139-6018	1	Generator	18	127-3848	1	Holder
3	144-0647	1	Nut	19	127-2993	1	Holder
4	127-3843	1	Rotor ASM	20	127-2965	6	Screw
5	127-2983	1	Bearing-Ball	21	127-2966	1	Screw
6	127-2962	1	Cover	22	127-2967	3	Bolt
7	135-4025	1	Frame ASM	23	127-2968	2	Screw
8	127-2958	1	Bearing-Ball	24	127-2969	2	Bolt
9	127-2959	1	Plate-Retainer	25	127-2970	1	Bushing-Insulation
10	127-2960	4	Screw	26	127-2971	2	Nut
11	127-2961	2	Stud	27	125-7230	1	Nut
12	127-3845	1	Frame	28	125-6947	1	Spacer
13	127-3846	1	Cover	29	127-2977	1	Adjuster
14	127-2954	1	Pulley	30	125-7134	1	Bolt
15	127-2955	1	Nut	31	125-7219	1	Bolt
16	127-2957	1	Collar				

Accessories Assembly



Accessories Assembly (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	144-0649	1	Gasket, Silencer	5	121-5613	1	Pump-Fuel, Electric
2	140-7185	1	Tank ASM	6	134-1507	1	Timer
4	140-7165	1	Bracket-Tank				

Attachments and Accessories

For 31907 Groundsmaster 3300 All-Wheel Drive Traction Unit

Product Name	Model/Part
Slope Sensor Kit.....	31952
Toro Red 12oz Aerosol Can	361-10
Seat Cover (W/arm rest)	117-0095
Auxiliary HYD Kit	31966
60in SD Deck.....	31970
60in RD Deck.....	31971
72in SD Deck.....	31972
PX Hydraulic Fluid (55 Gal).....	133-8087
72in RD Deck.....	31973
Filter-Air	108-3810
PX Hydraulic Fluid (5 Gal)	133-8086
Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail)	119-2157
Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum).....	119-2158
Recycler Kit 60in/152cm SD	31976
Recycler Kit, 60In/152cm RD	31977
Recycler Kit, 72In/183cm SD	31978
Recycler Kit, 72In/183cm RD	31979
Seat Assembly - Standard	31980
5in Air Cleaner Safety Element.....	114-4057
Seat Assembly - Mechanical Suspension	31981
Seat Assembly - Air Ride Suspension.....	31982
Fuel/Water Separator Filter.....	125-2915
Storage Box Kit.....	31983
USB Charging Kit.....	31984
Engine Oil Filter	125-7025
Cab-Winter, GM3000 Series.....	31990
Road Light Kit (North America)	31991
Wrench-Caster Cap/Latch	138-6367
Accessory Control Kit	31994
LED Beacon Kit	31996
White Universal Sunshade	30669
Led Work-light Kit (GM3200/3300, Rops)	31997
15-Pound Cast Weight.....	112-7059-01
Red Universal Sunshade	30671
Operator Cooling Fan	03247
42-Pound Weight.....	114-4096
Switch Panel.....	03248
Beacon Kit	138-2699
Work Lights Kit.....	138-2700
Storage Bag Kit.....	139-2020
SMV Kit.....	139-2339
Semi-Gloss Black Spray Paint	361-9
Filter-Fuel	144-0453
Filter-Oil, Transmission	86-3010
Hydraulic Hose Kit	31999
Power Harness Kit.....	140-1559

Attachments and Accessories (continued)

Kit-Weight	144-0480
Plate-Weight, 25 LBS	144-0484
Paint-Black Bottle	112-0176
Paint-Red Pen	112-0177
Paint-Red Bottle	112-0178
Kit-Blade, Std (24.5) 3pk.....	144-3911
Kit-Blade, Med Flow (20.5) 3pk.....	144-3912
Kit-Blade, High Flow (20.5) 3pk	144-3913
Kit-Blade, Atomic (20.5) 3pk	144-3914
Kit-Blade, Low Flow (24.5) 3pk	144-3915
Kit-Blade, Recycling (24.5) 3pk.....	144-3916
Kit-Blade, Low Flow (20.5) 3pk	144-3917
Kit-Blade, Recycling (20.5) 3pk.....	144-3918
Hose Replacement Kit, Groundsmaster 3200 or 3300 Series Traction Unit.....	144-3960
Shim Tensioner Kit, Groundsmaster 3200 or 3300 Series Traction Unit	144-4045
Tube Replacement Kit, Groundsmaster 3200 or 3300 Series Traction Unit	144-4047
Vibration Reduction Kit, Groundsmaster 3300 Series Traction Unit	144-4050



Count on it.