Form No. 3466-649 Rev A

TORO®

Count on it.

Parts Catalog

Groundsmaster® 3300

All-Wheel Drive Traction Unit

Model No. 31907—Serial No. 415000000 and Up

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

3466-649 A

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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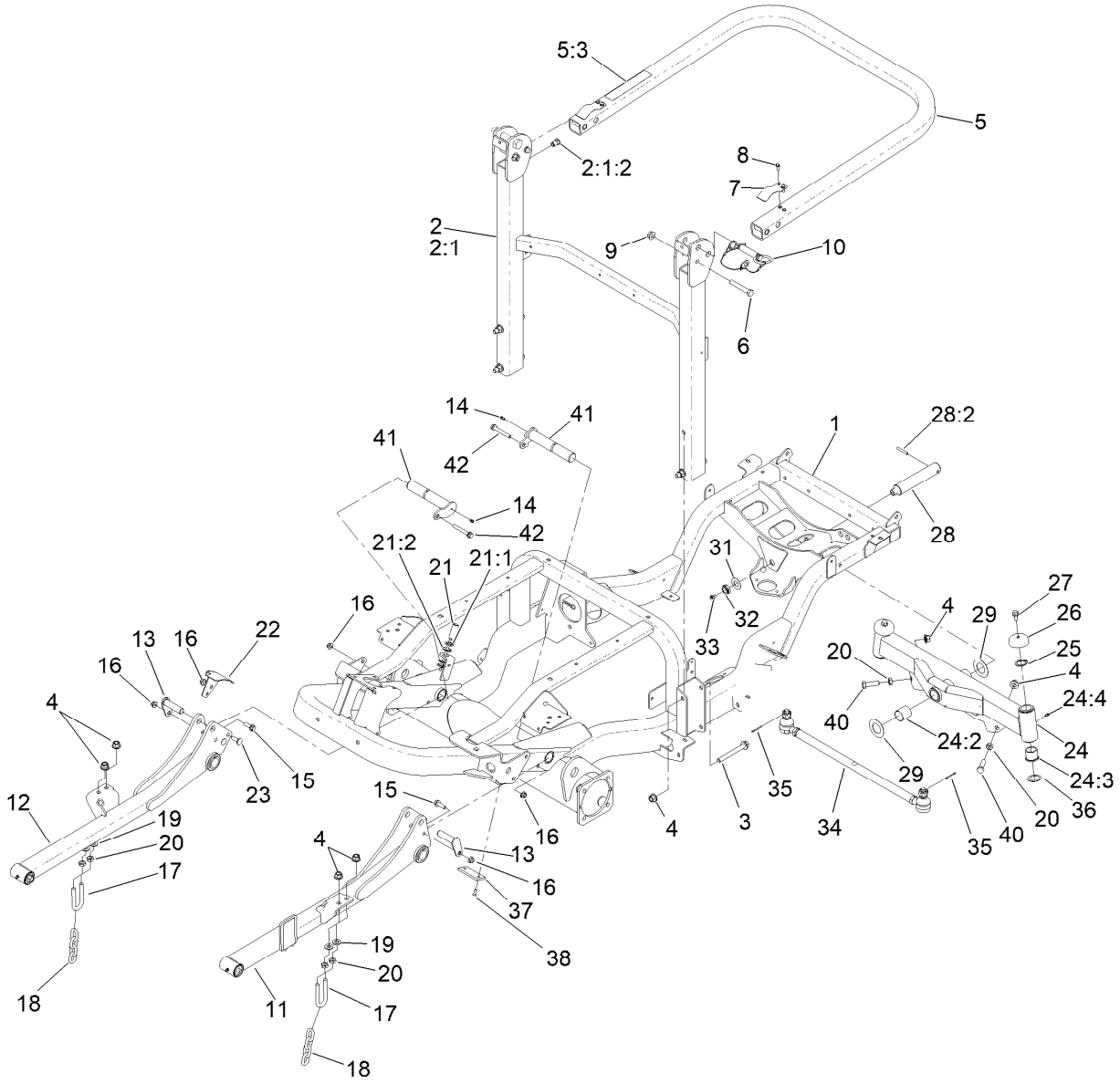
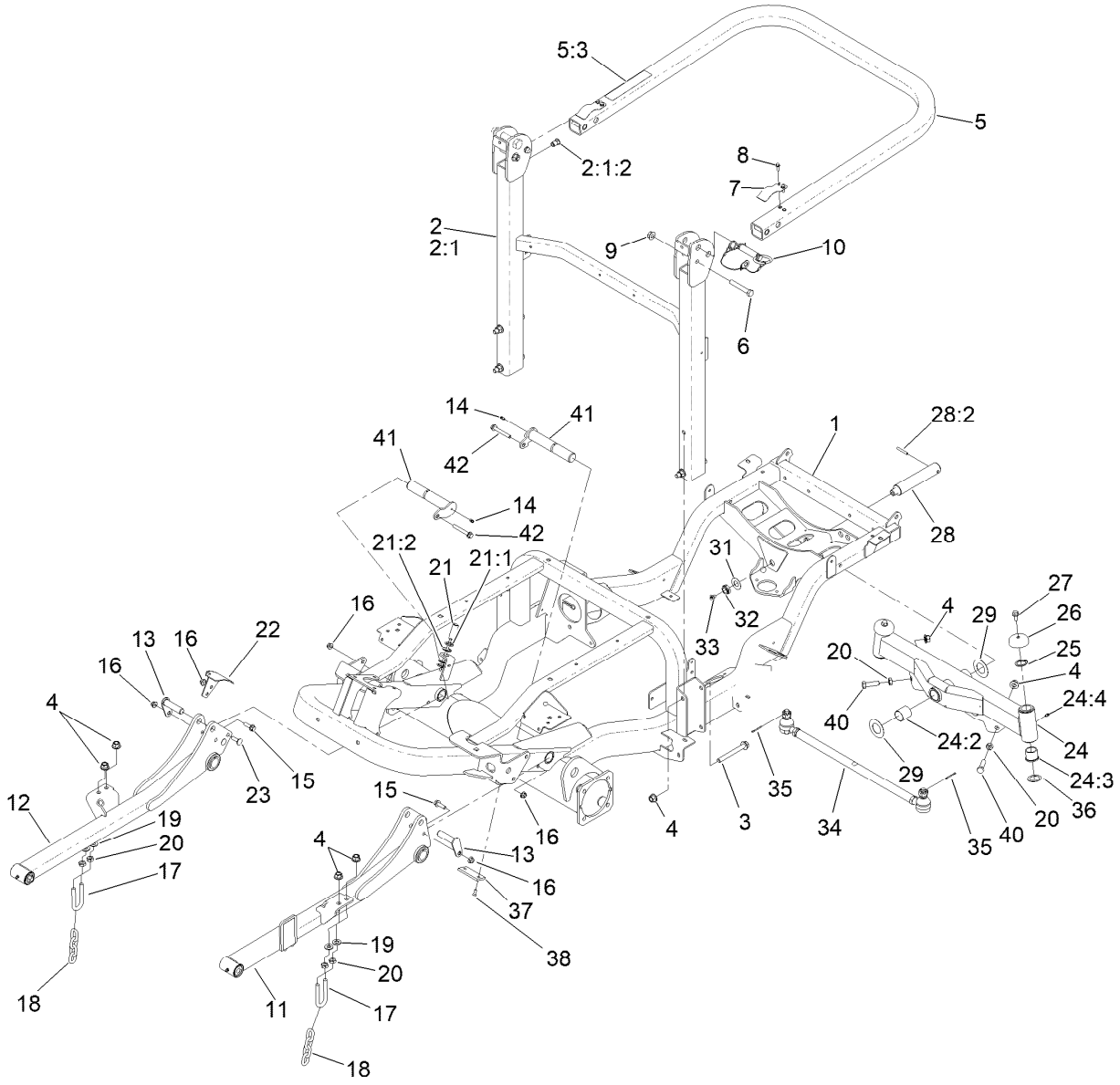


Frame and Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	133-6450SP	1	Frame ASM
2	139-6254SP	1	ROPS ASM, Lower
2:1		1	ROPS ASM, Lower ●
2:1:2	138-2760	4	Nut-Clinch, Hex
3	117-3176	4	Screw-HHF
4	99-5107	10	Nut-Lock
5	138-7470	1	ROPS ASM, Upper
5:3	108-2073	1	Decal-Warning
6	325-13	2	Screw-HH
7	110-5696	2	Spring-Leaf
8	32105-15	4	Screw-HWH
9	32128-23	2	Nut-HF
10	103-4553	2	ROPS Fold Pin ASM
11	138-7419SP	1	LH Lift Arm ASM
12	138-7429SP	1	RH Lift Arm ASM
13	138-7489	2	Pin (Machined)
14	302-5	2	Fitting-Grease
15	119-4061	2	Screw-HHF

Ref.	Part Number	Qty.	Description
16	104-8301	6	Nut-HF, NI
17	104-0108	2	U-Bolt
18	95-6231	2	Chain-HOC
19	3256-26	4	Washer-Flat
20	3218-5	6	Nut-Jam
21	115-5300	1	Proximity Switch ASM
21:1	117-3207	2	Nut-Hex
21:2	117-3208	2	Washer-Lock, Internal Tooth
22	139-6170-0P	1	Bracket-Sensor Mount [primed]
23	3231-2	2	Bolt-CARR
24	138-4588	1	Axle ASM
24:2	99-6964	2	Bushing-Axle
24:3	104-0015	4	Bushing-Flange
24:4	302-5	2	Fitting-Grease
25	32151-77	2	Ring-Retaining, External
26	69-8890	2	Cap-Spindle
27	3234-1	2	Screw-HHF

● Not serviced separately

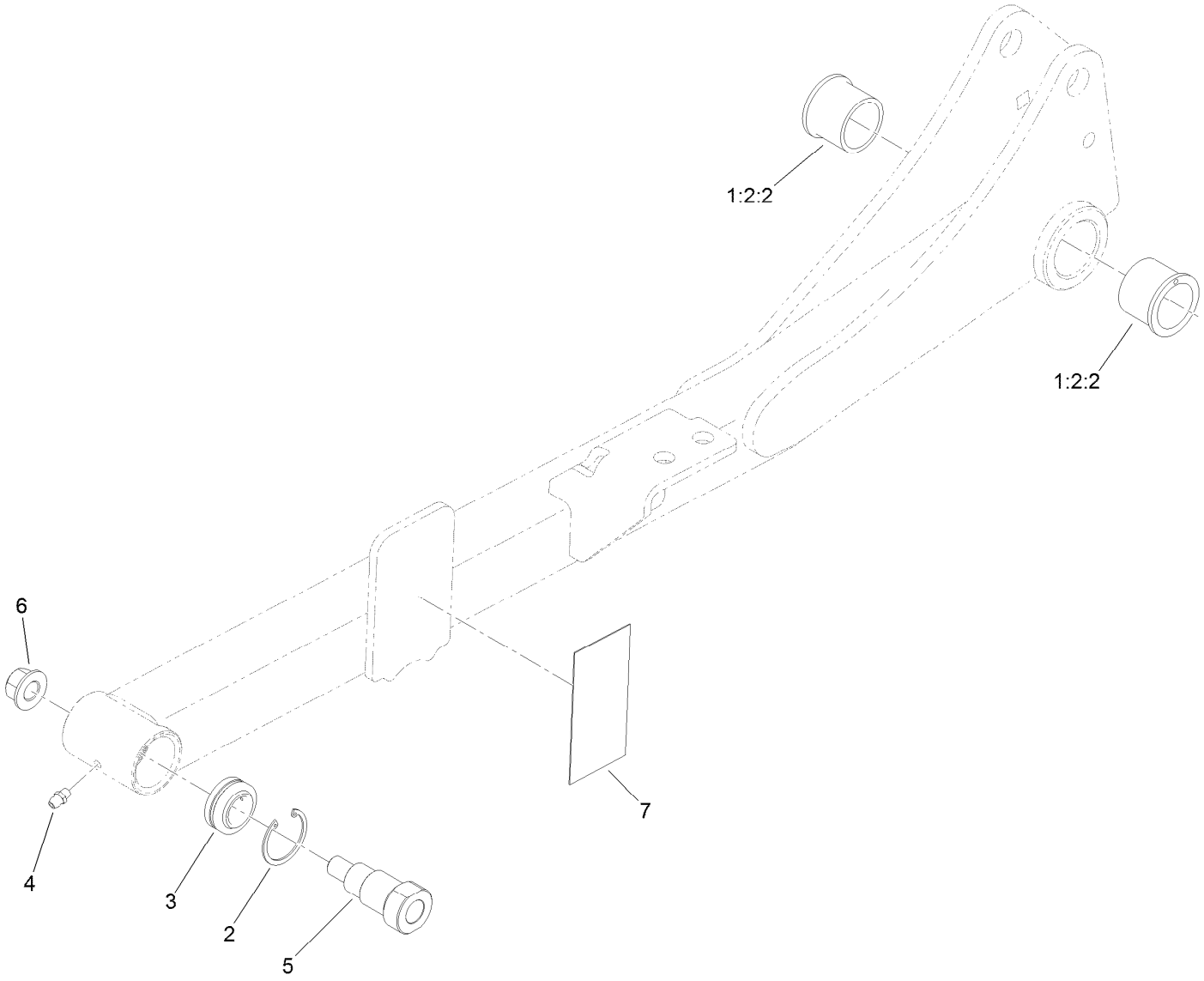


Frame and Roll-Over Protection System Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
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	144-3900	1	Tie Rod ASM

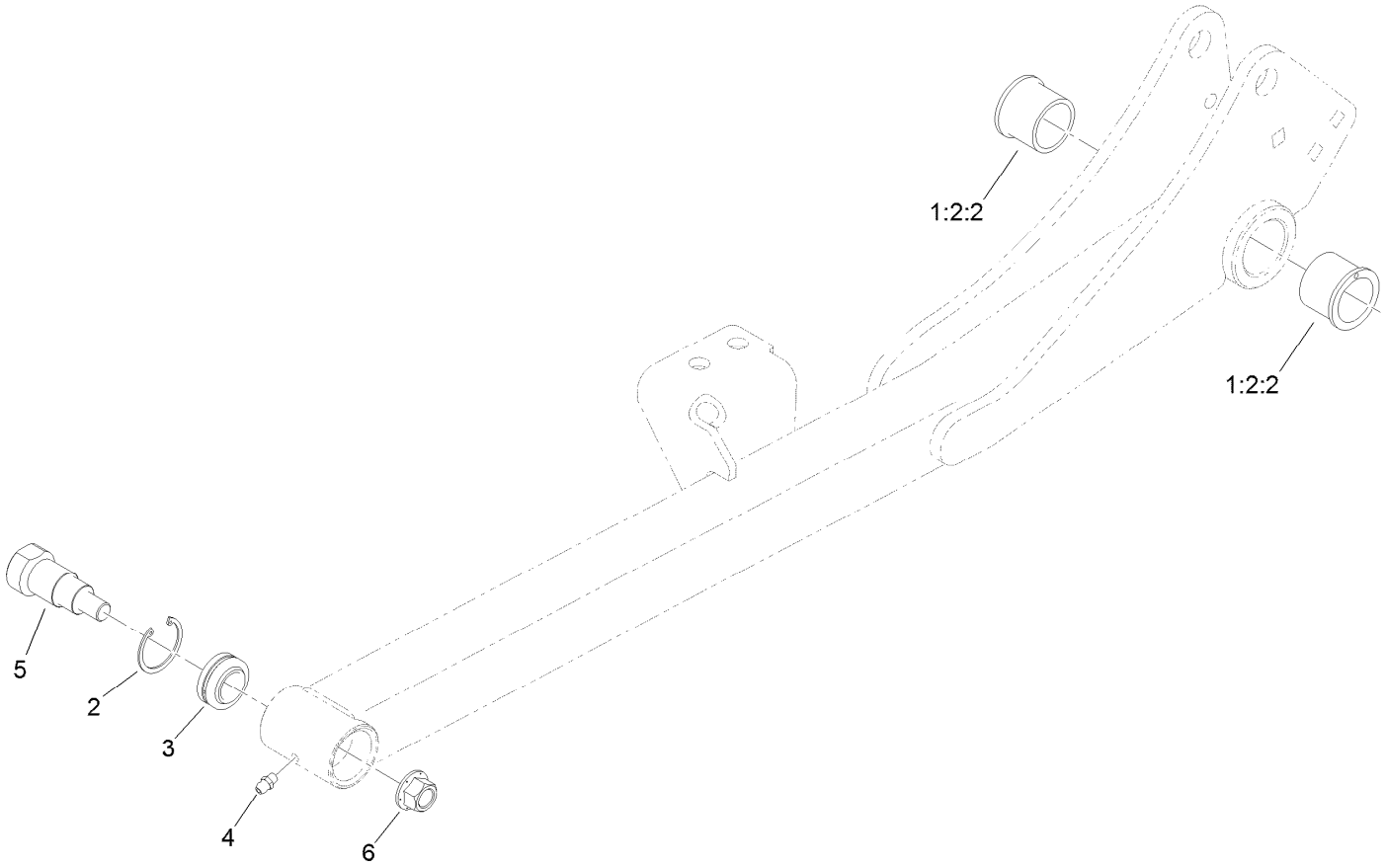
Ref.	*Part Number*	*Qty.*	*Description*
35	3272-12	2	Pin-Cotter
36	76-2980	2	Washer-Thrust
37	138-4452	2	Pad-Stop, Deck
38	3289-4	4	Screw-FH
40	325-7	2	Screw-HH
41	138-4593	2	Pin
42	133-9682	2	Screw-Hfh

● Not serviced separately



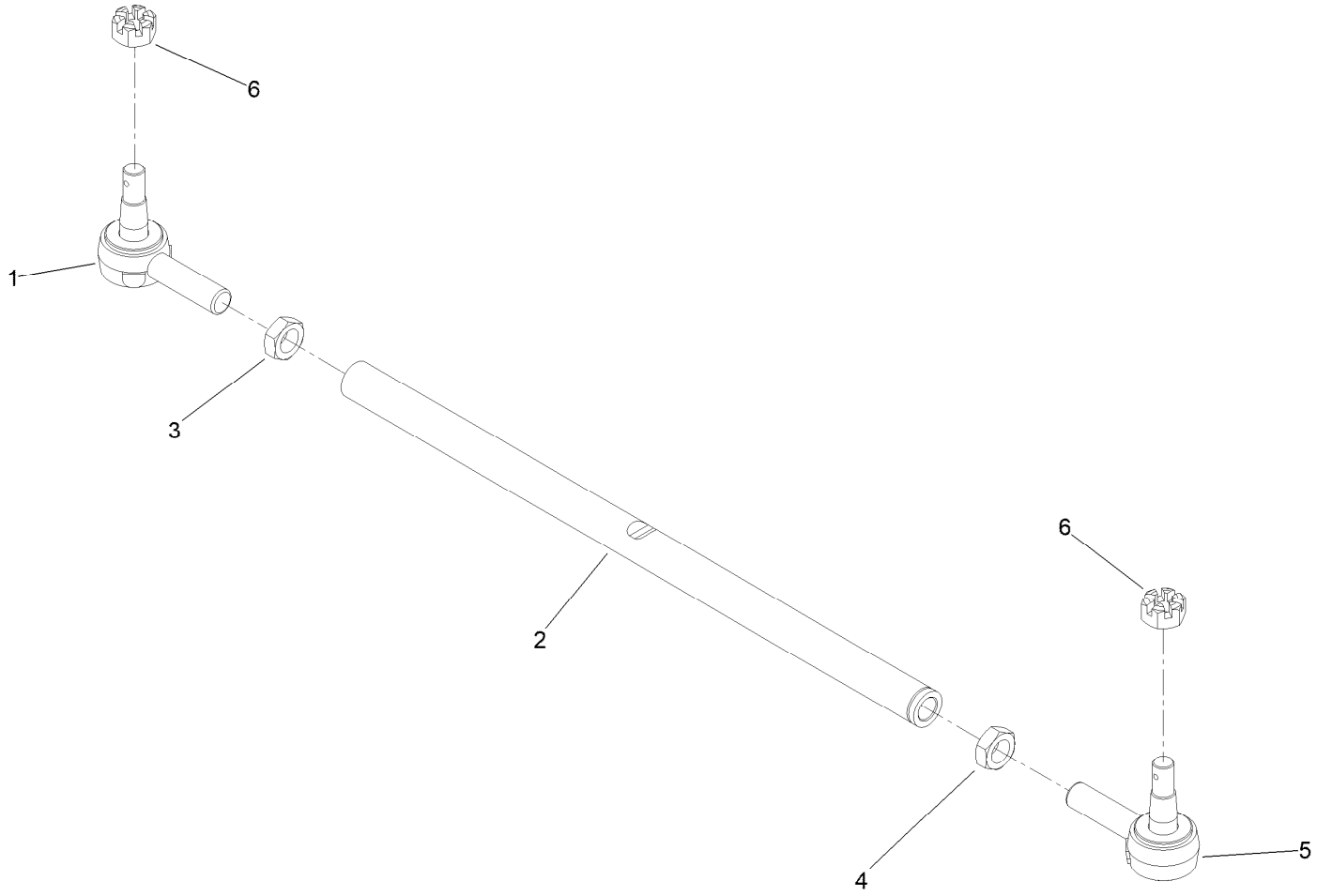
LH Lift Arm Assembly No. 138-7419SP

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



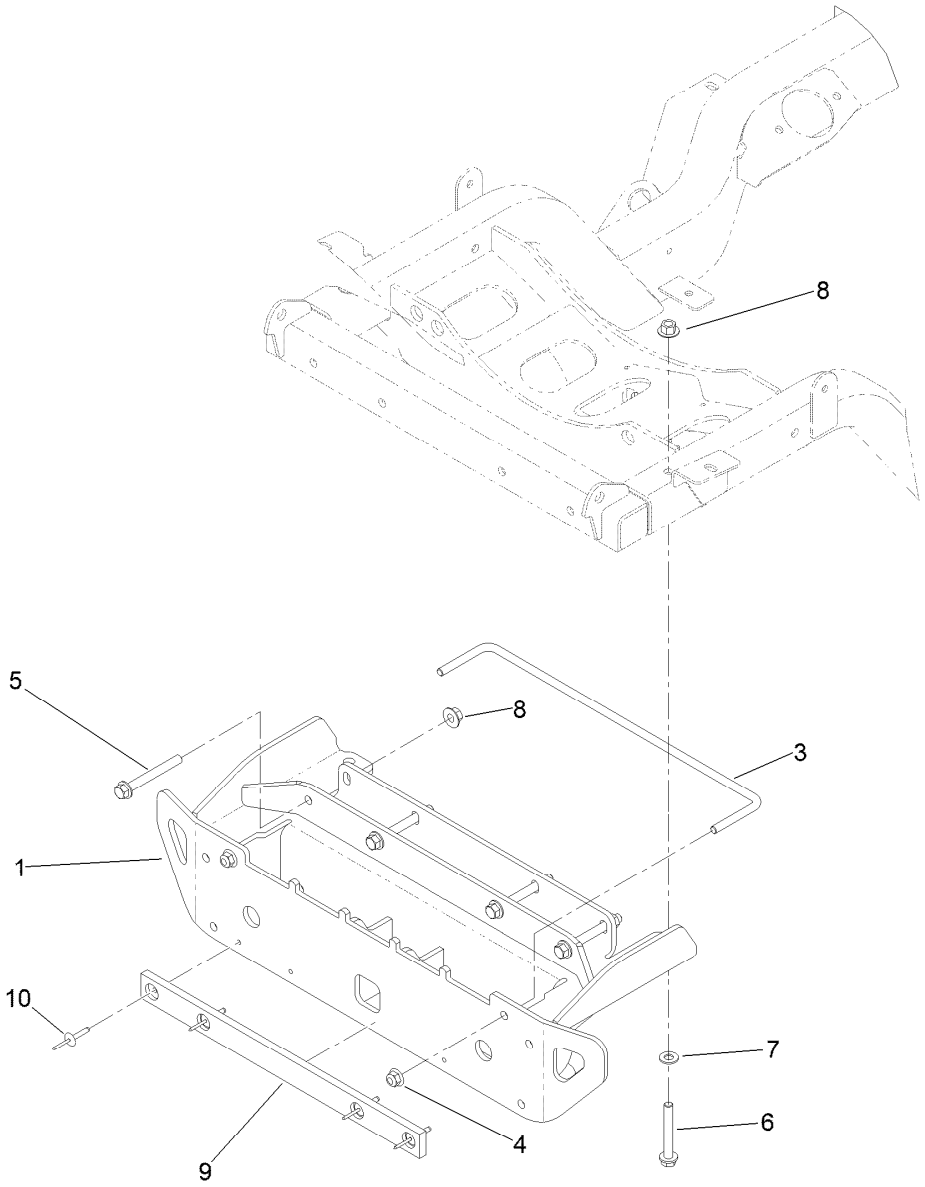
RH Lift Arm Assembly No. 138-7429SP

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



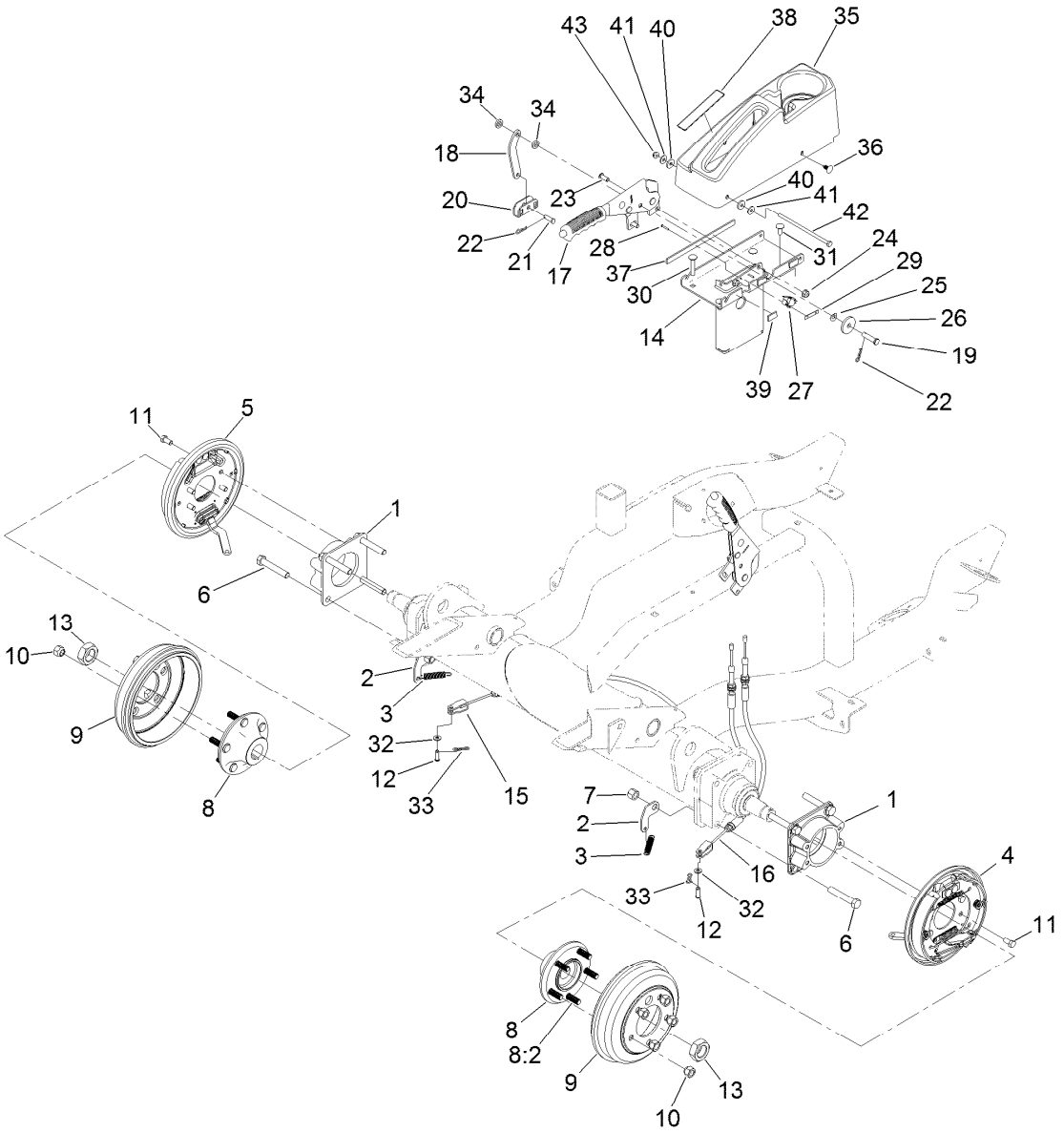
Tie Rod Assembly No. 144-3900

Ref.	*Part Number*	*Qty.*	*Description*
1	144-3901	1	Tie Rod End
2	133-6463	1	Tie-Rod
3	84-5300	1	Nut-Jam
4	110-5337	1	Nut-Jam
5	144-3902	1	Tie Rod End
6	140-6135	2	Nut-Hex, Slotted



Rear Bumper Assembly

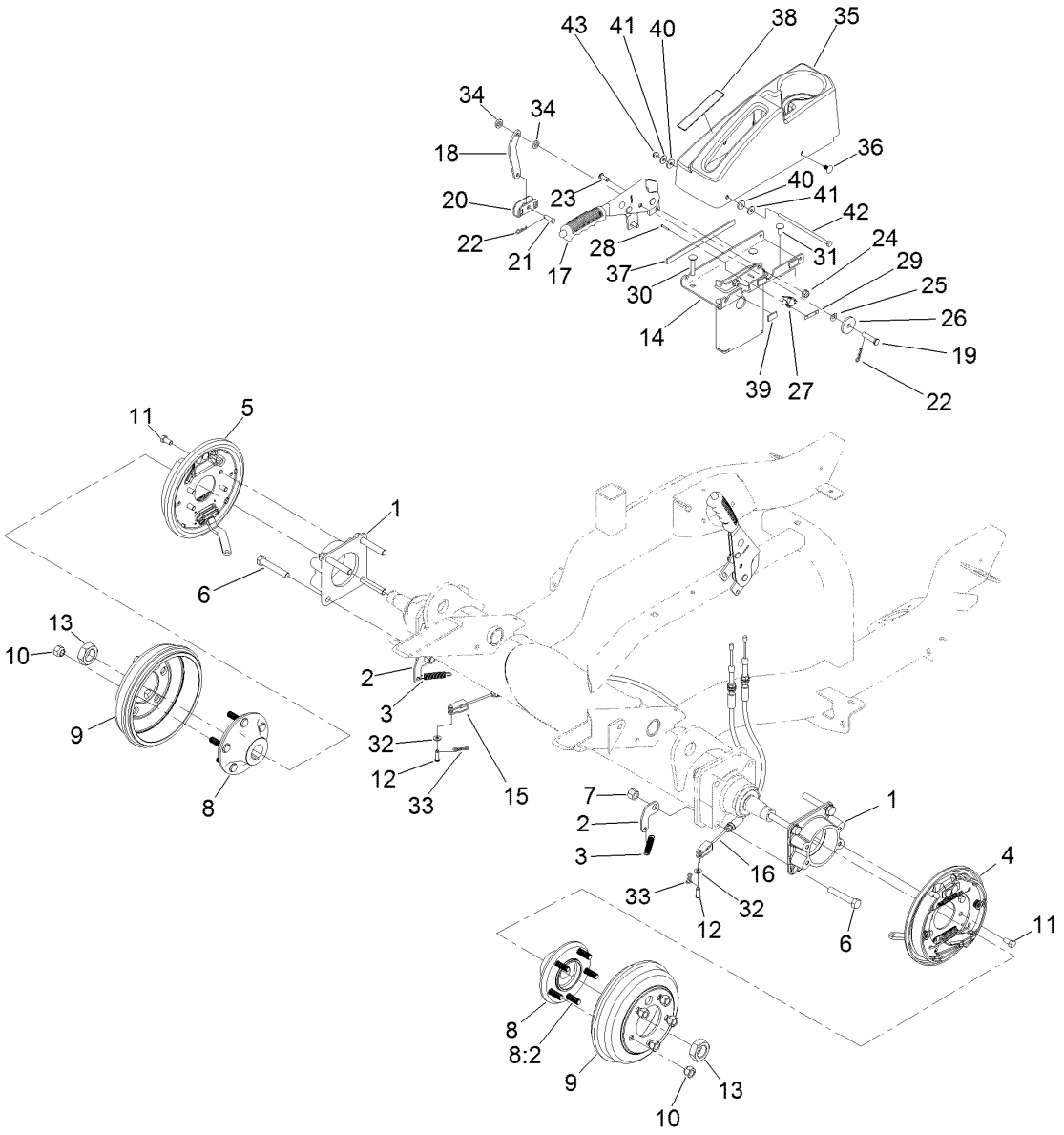
Ref.	*Part Number*	*Qty.*	*Description*
1	145-5981SP	1	Bumper-Rear Wa
3	125-2667	1	Lock-Weight
4	104-8301	2	Nut-HF, NI
5	3234-41	4	Screw-HHF
6	139-2429	2	Screw-HHF
7	3256-24	2	Washer-Plain
8	32128-43	6	Nut-Flange
9	144-4014	1	Bumper-Rubber
10	3269-11	4	Rivet-Pop



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

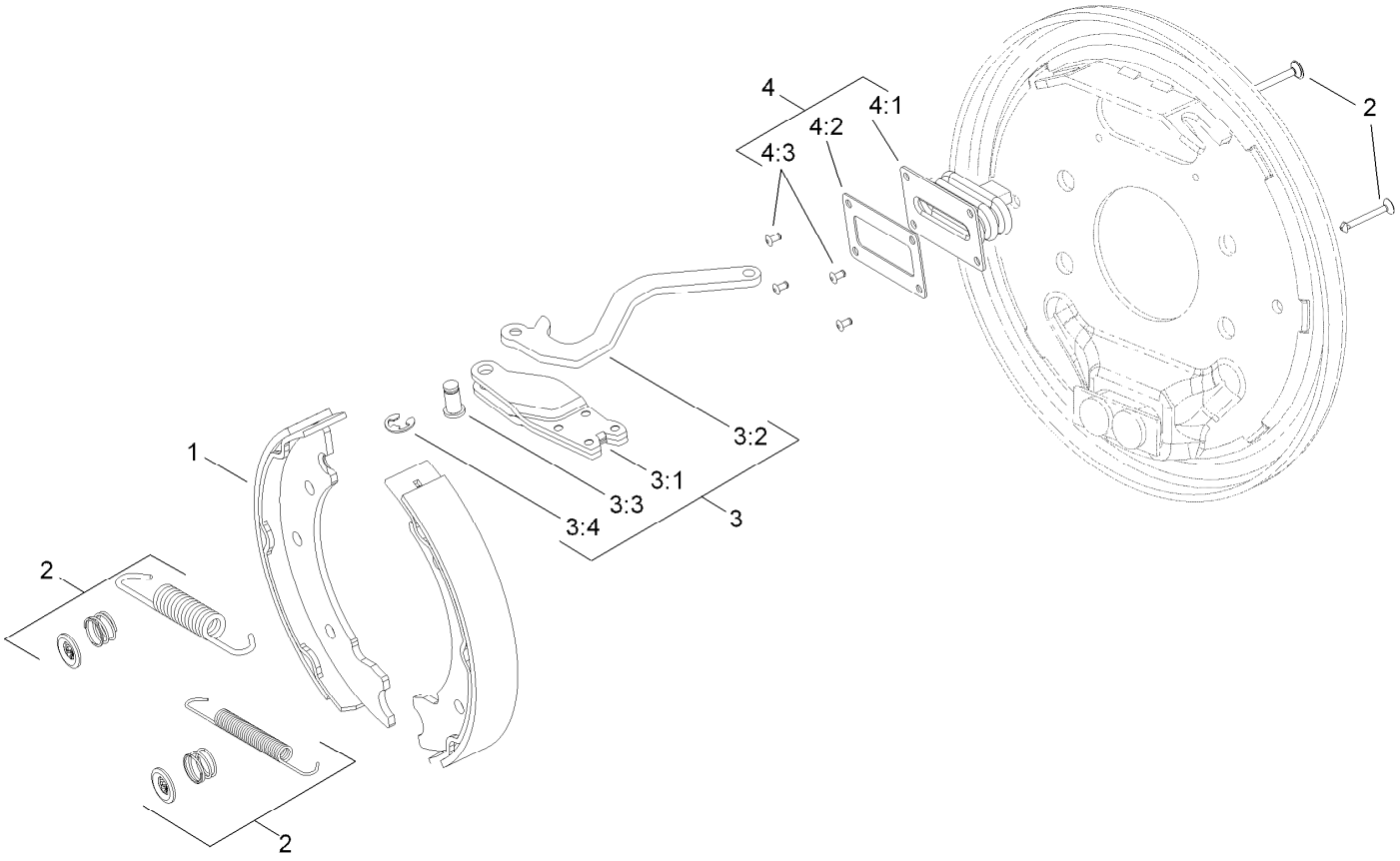
Ref.	Part Number	Qty.	Description
20	87-3480	1	Bracket-Equalizer, Cable
21	1-808280	1	Pin-Clevis
22	1-806003	2	Pin-Cotter
23	3274-55	2	Screw-HSBH
24	104-8300	6	Nut-HF, NI
25	121-4605	1	Washer-Spring
26	131-8496	1	Washer-Plain
27	108-6496	1	Switch (W/Boot)
28	95-3003	2	Screw-PPHTF
29	3290-354	1	Nut-Speed
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-Brake, Parking
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

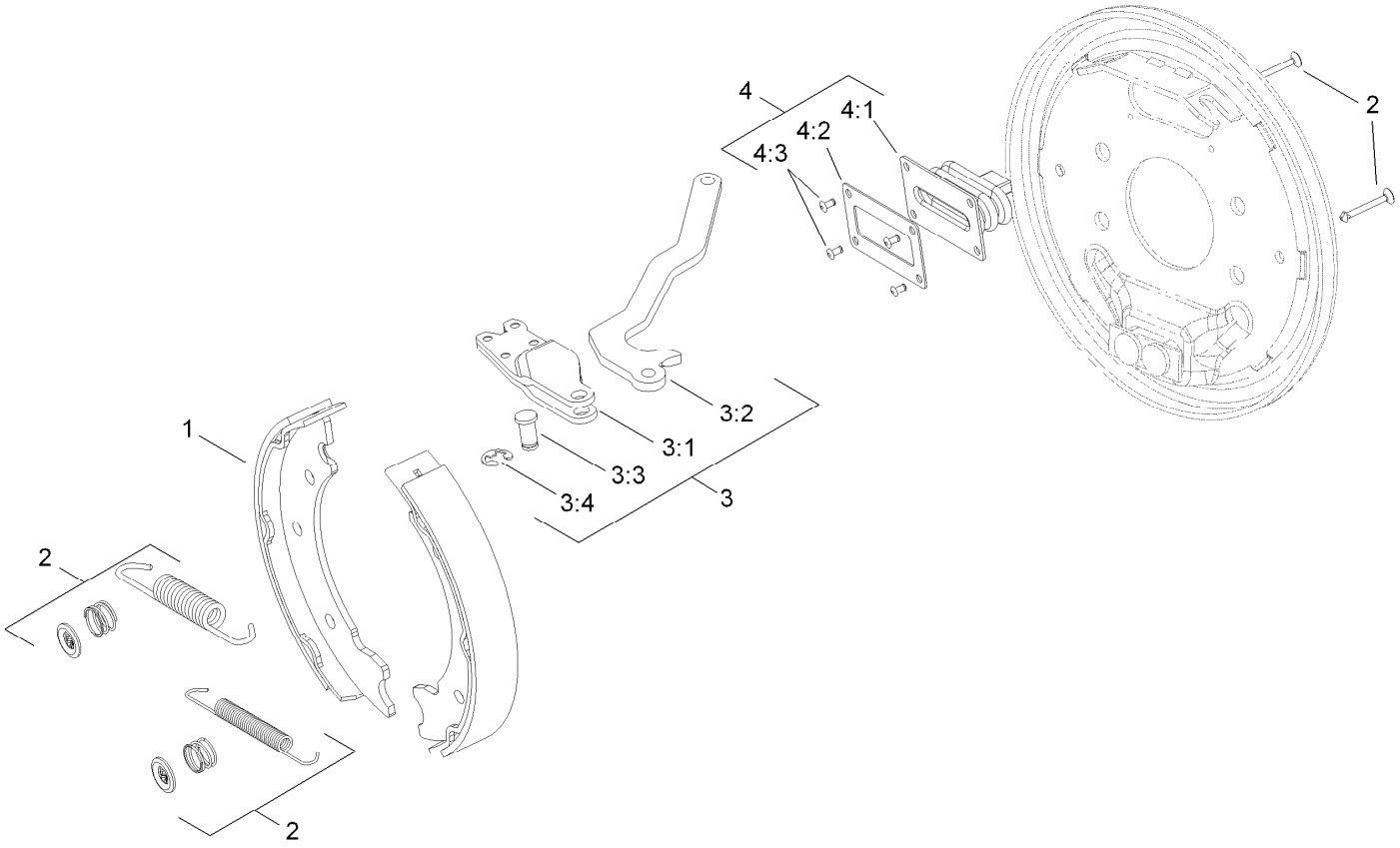
Ref.	Part Number	Qty.	Description
42	321-21	1	Screw-HH
43	104-7201	1	Nut-HF, NI



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 ●

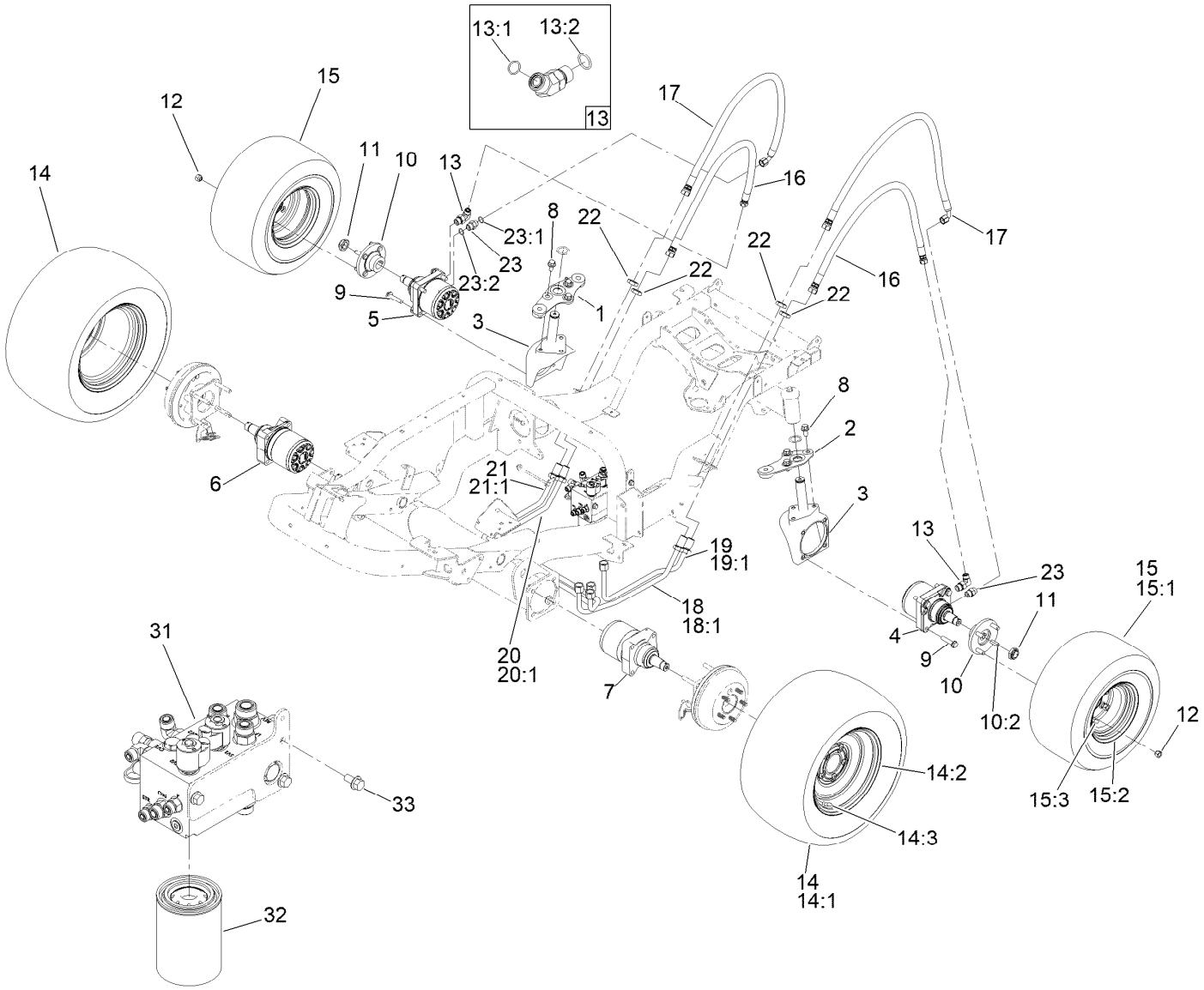
● Not serviced separately



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 ●

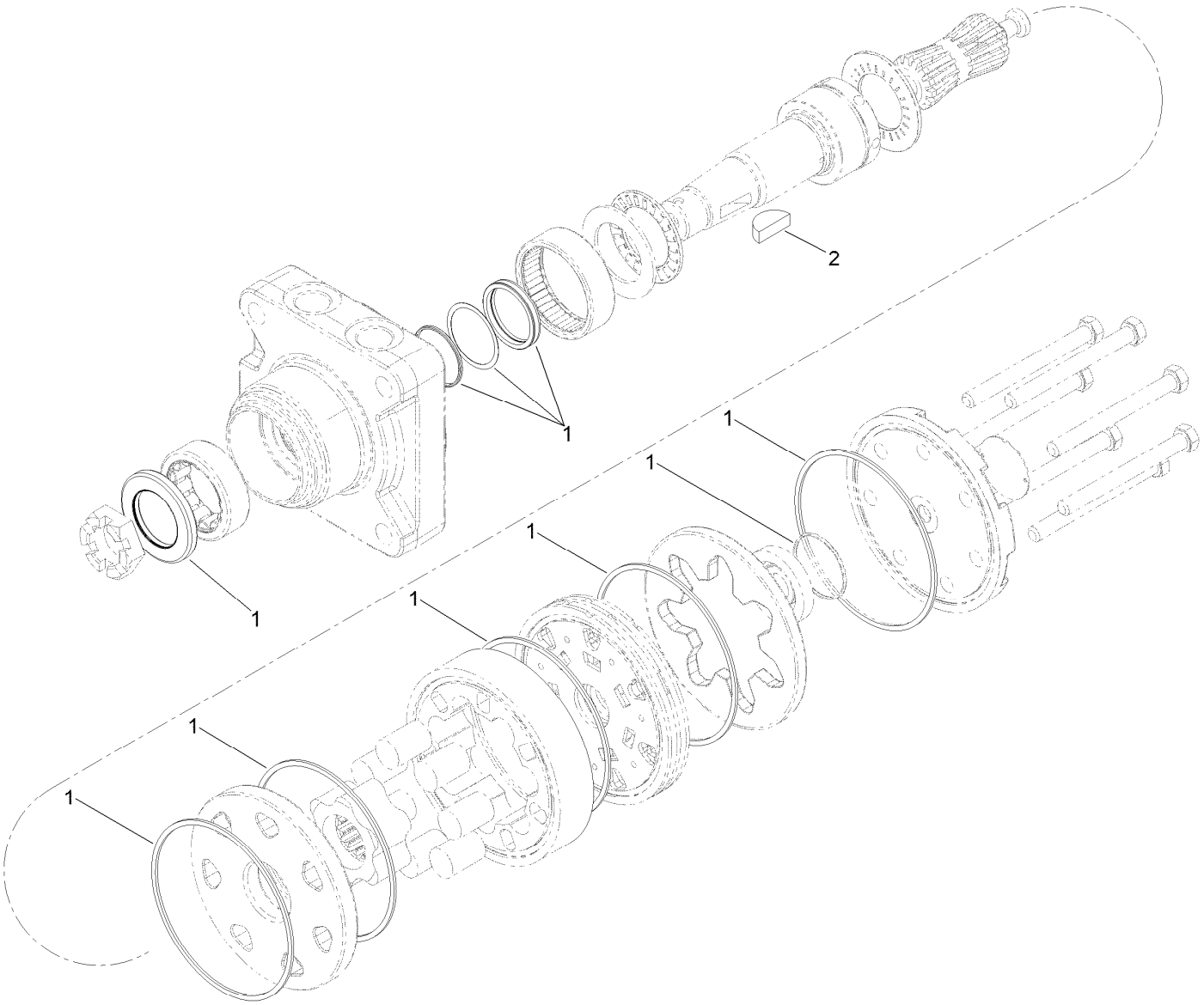
● Not serviced separately



Hydraulic Drive Assembly

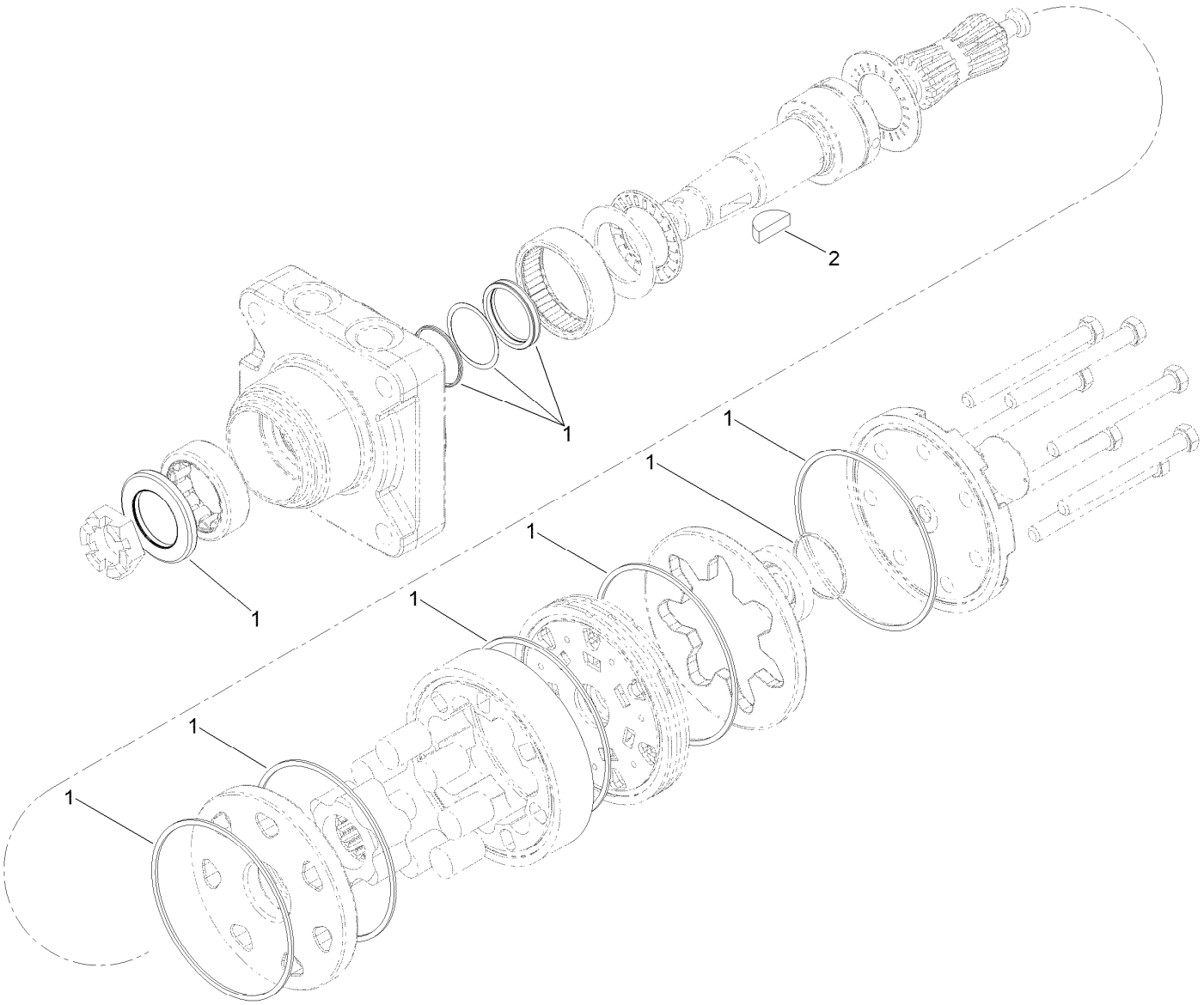
Ref.	Part Number	Qty.	Description
1	140-3142	1	Link-Drag, RH
2	140-3144	1	Link-Drag, LH
3	107-4517-03	2	Housing-Motor
4	138-0303	1	Motor-Hydraulic, CCW
5	138-0304	1	Motor-Hydraulic, CW
6	137-2478	1	Motor-Hydraulic, CW
7	137-2458	1	Motor-Hydraulic, CCW
8	3234-38	6	Screw-HHF
9	3234-46	8	Screw-HHF
10	18-3209	2	Wheel Hub/Stud ASM
10:2	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
14:3	232-27	1	Stem-Valve
15	137-2592	2	Wheel ASM

Ref.	Part Number	Qty.	Description
15:1	137-2596	1	Tire
15:2	137-2597	1	Rim
15:3	232-27	1	Stem-Valve
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



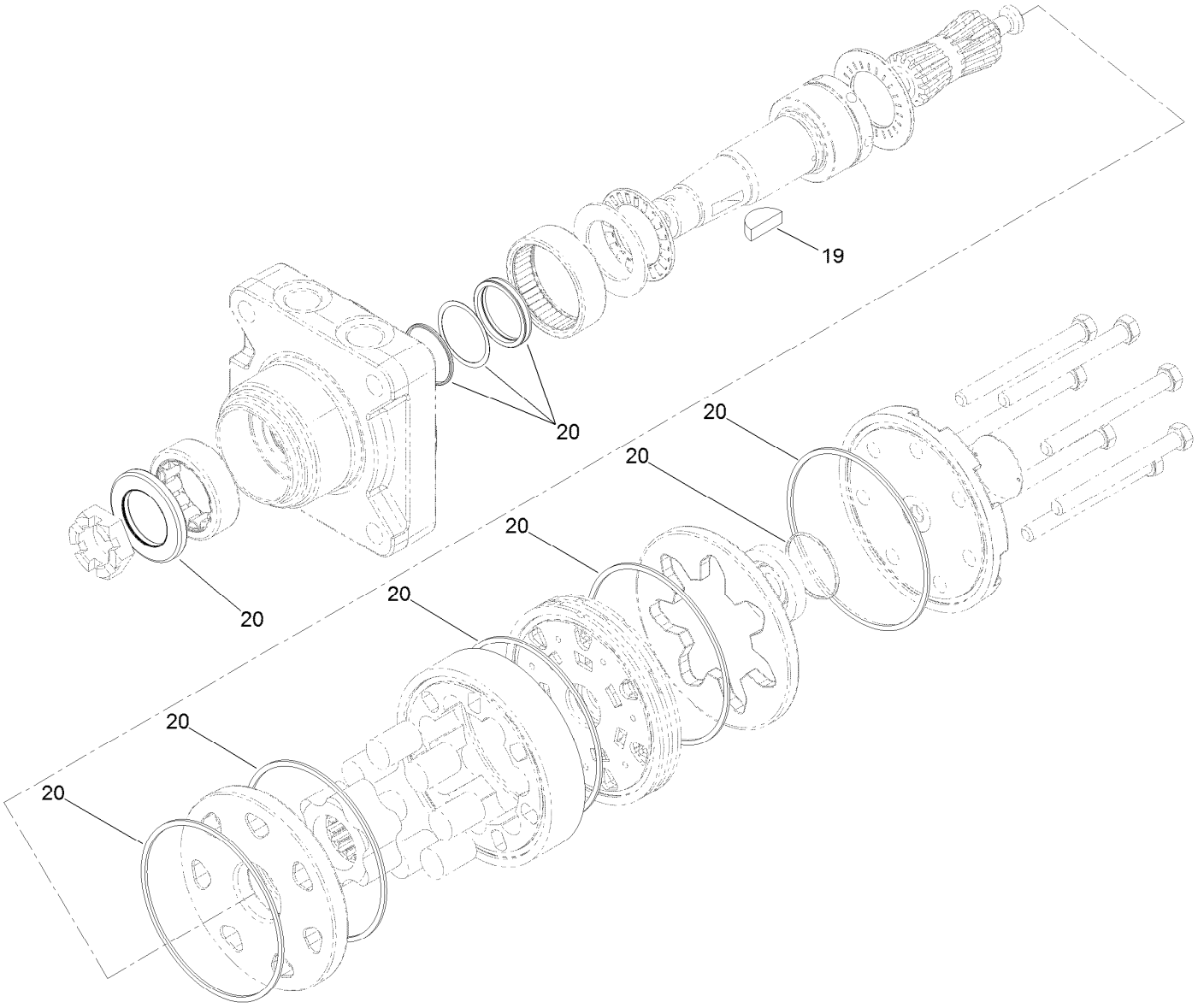
Hydraulic Motor Assembly No. 138-0303

Ref.	*Part Number*	*Qty.*	*Description*
1	110-8897	1	Seal Kit
2	3257-42	1	Key-Woodruff



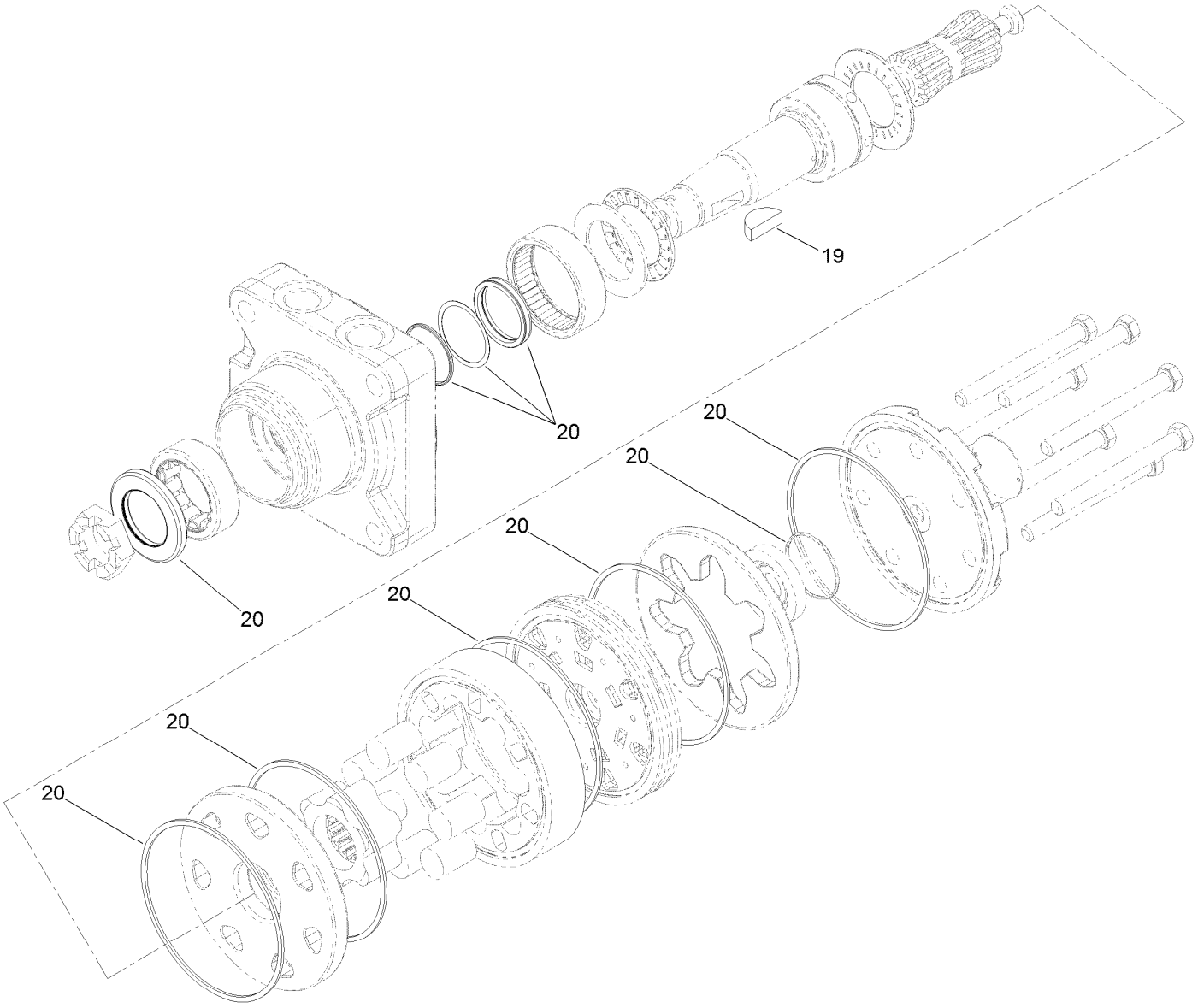
Hydraulic Motor Assembly No. 138-0304

Ref.	*Part Number*	*Qty.*	*Description*
1	110-8897	1	Seal Kit
2	3257-42	1	Key-Woodruff



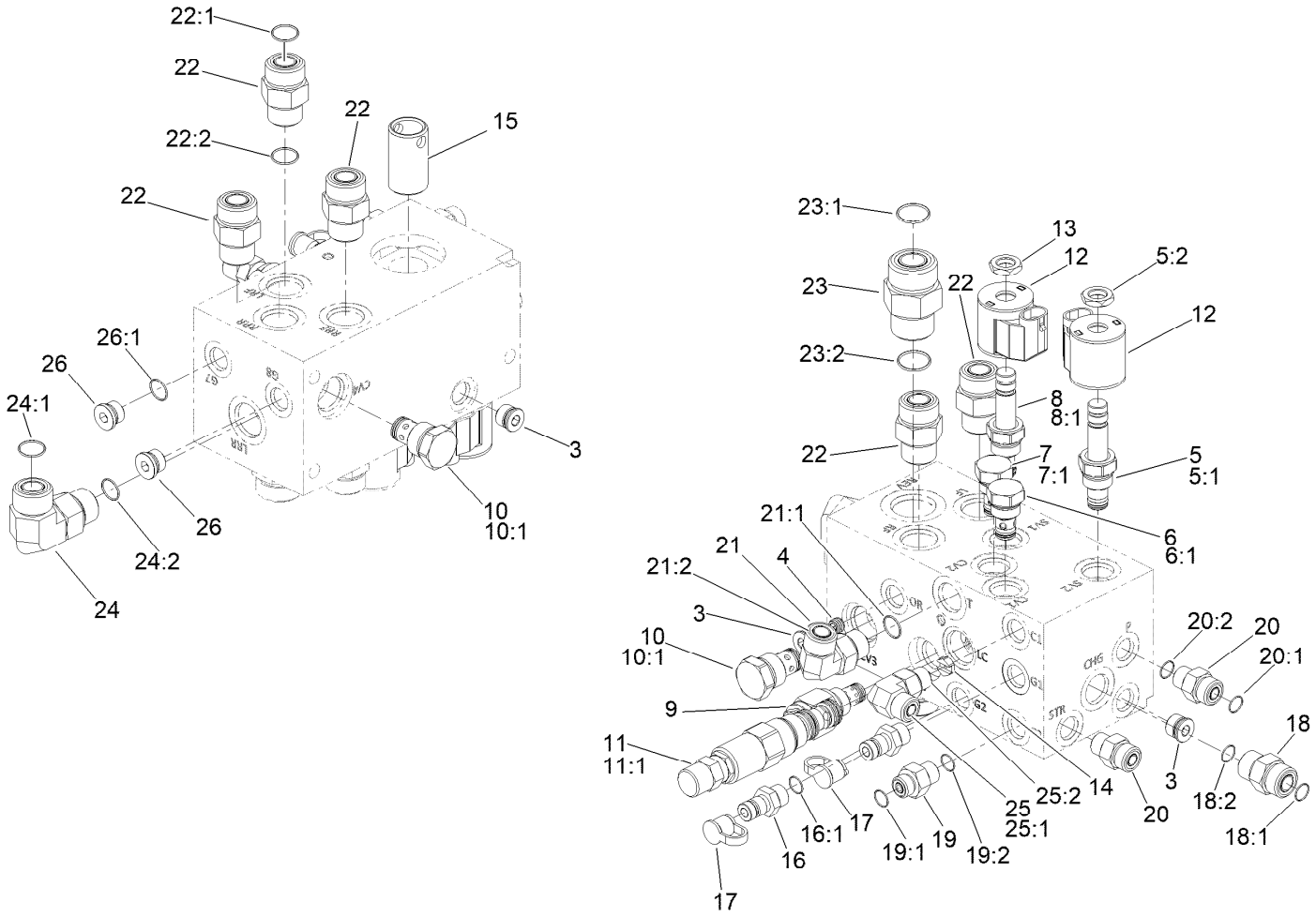
Hydraulic Motor Assembly No. 137-2478

Ref.	*Part Number*	*Qty.*	*Description*
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

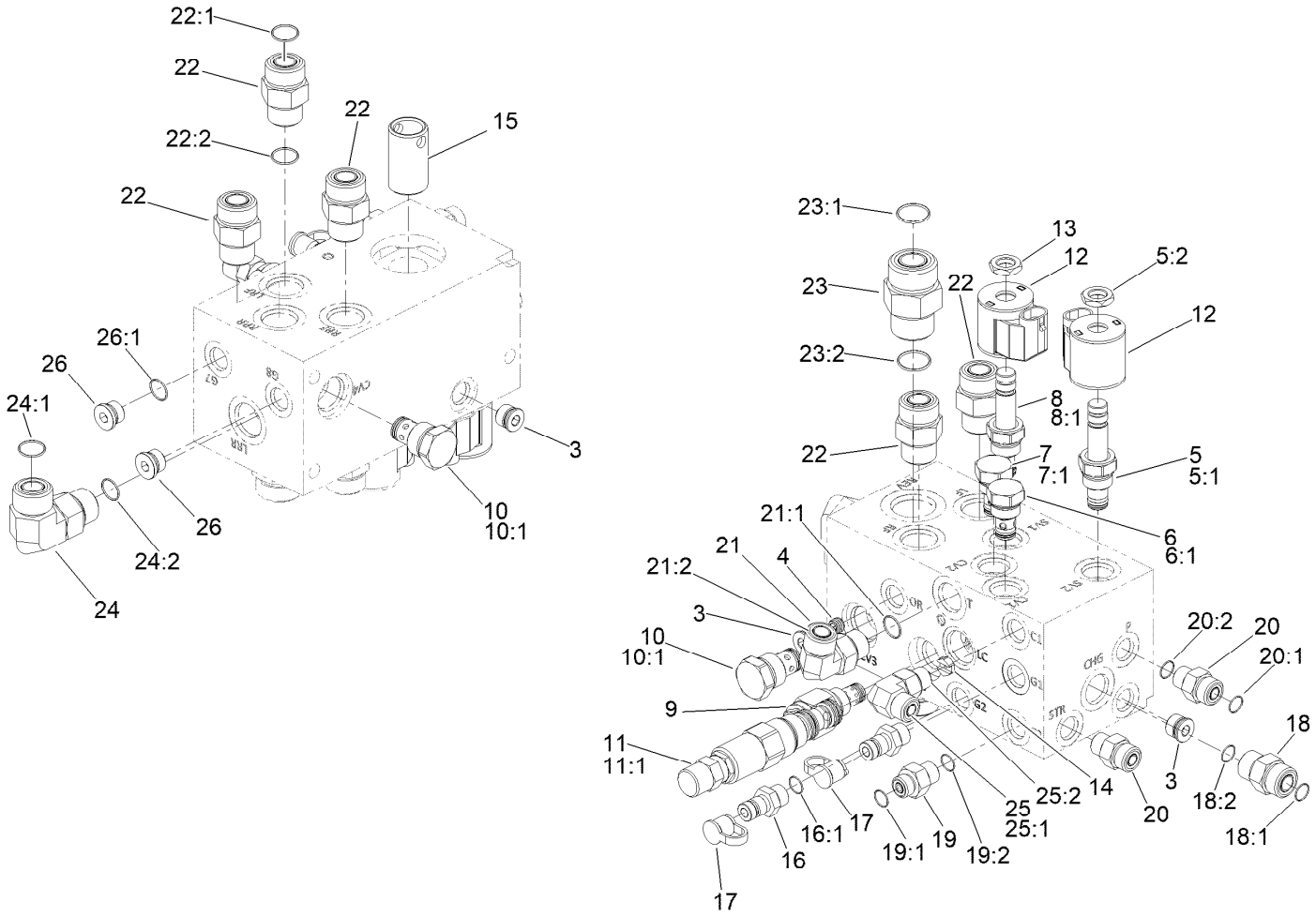


Steer/Lift Manifold Assembly No. 138-4489

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
7:1	105-9156	1	Seal Kit
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)
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

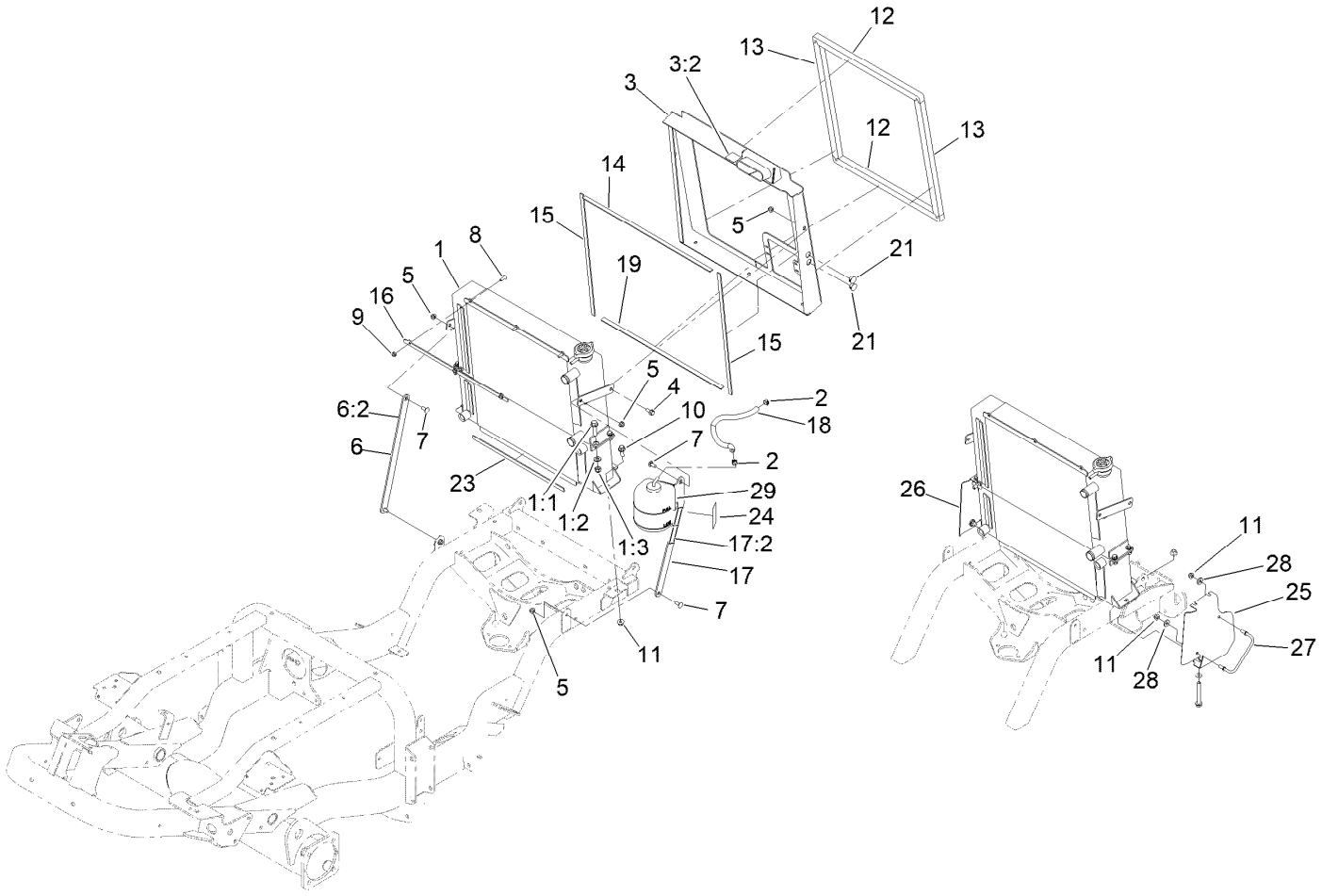
● Not illustrated



Steer/Lift Manifold Assembly No. 138-4489 (continued)

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
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

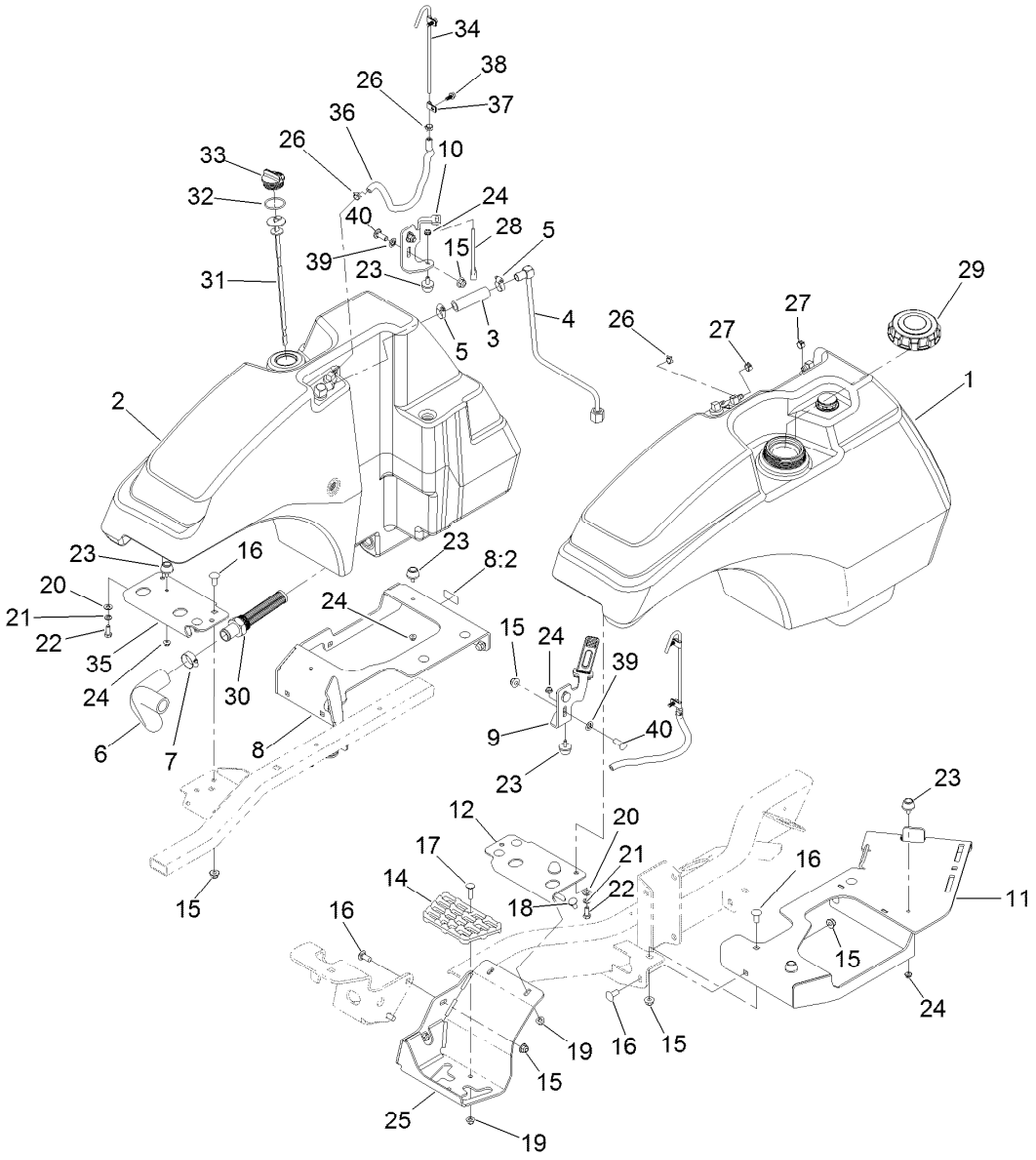
● Not illustrated



Radiator and Cooler Assembly

Ref.	Part Number	Qty.	Description
1	138-7420	1	Radiator/Oil Cooler ASM
1:1	119-4036	4	Screw-HHF
1:2	3256-23	4	Washer-Plain
1:3	137-3093	4	Nut-Hex
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

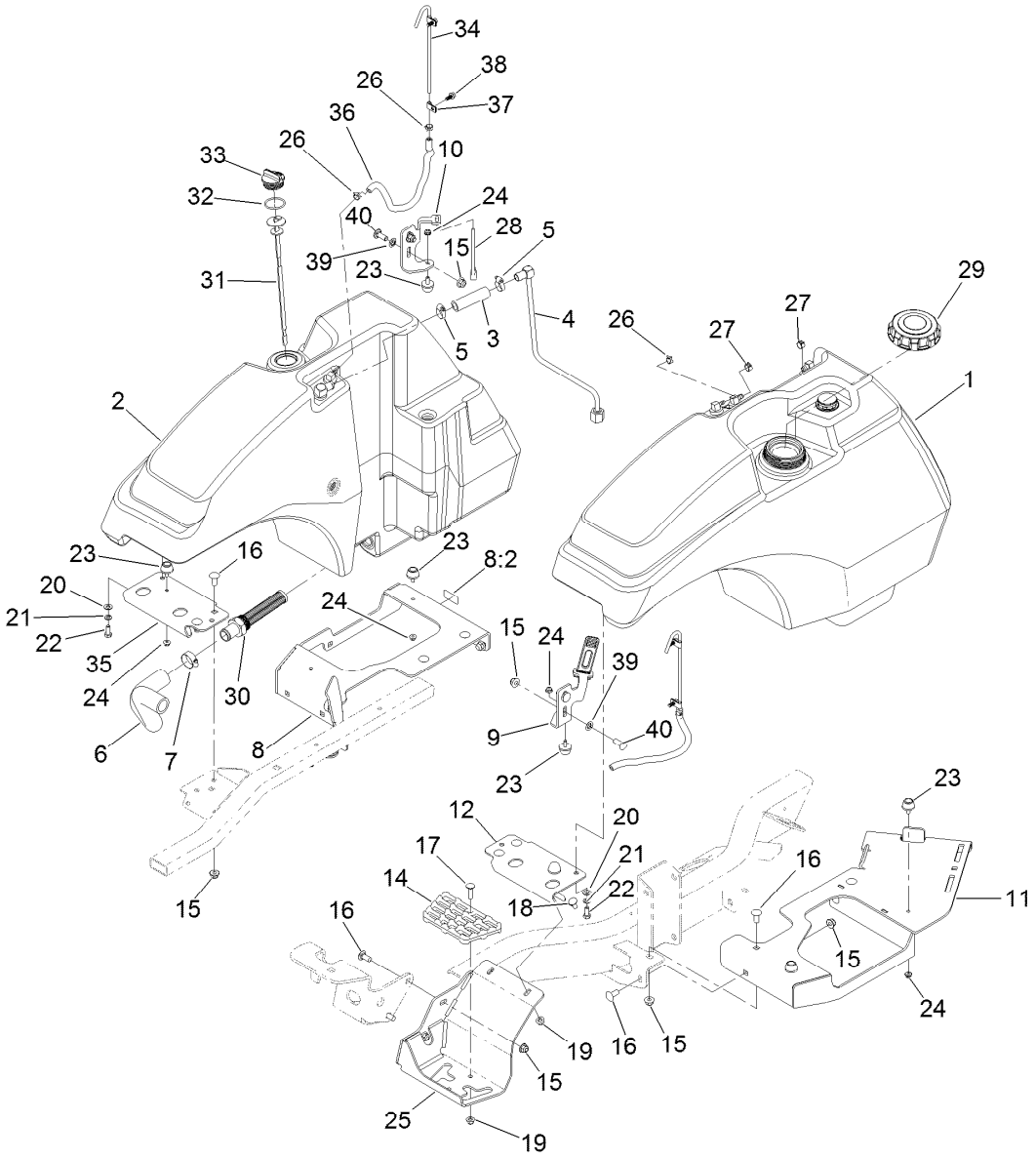
Ref.	Part Number	Qty.	Description
13	138-4411	2	Seal-Foam
14	138-4453	1	Foam-Radiator
15	138-4454	2	Foam-Radiator, Side
16	138-4461-0P	1	Bracket-Shroud Retainer
17	139-6230	1	Bracket-Bottle Mount
17:2	93-7272	1	Decal-Warning
18	106-1126	1	Hose-Fuel
19	108-1393	1	Strip-Foam
21	130-8439	2	Plug-Dome
23	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	140-7165	1	Bracket-Tank
29	140-7185RT01	1	Tank ASM



Fuel and Hydraulic Tank Assembly

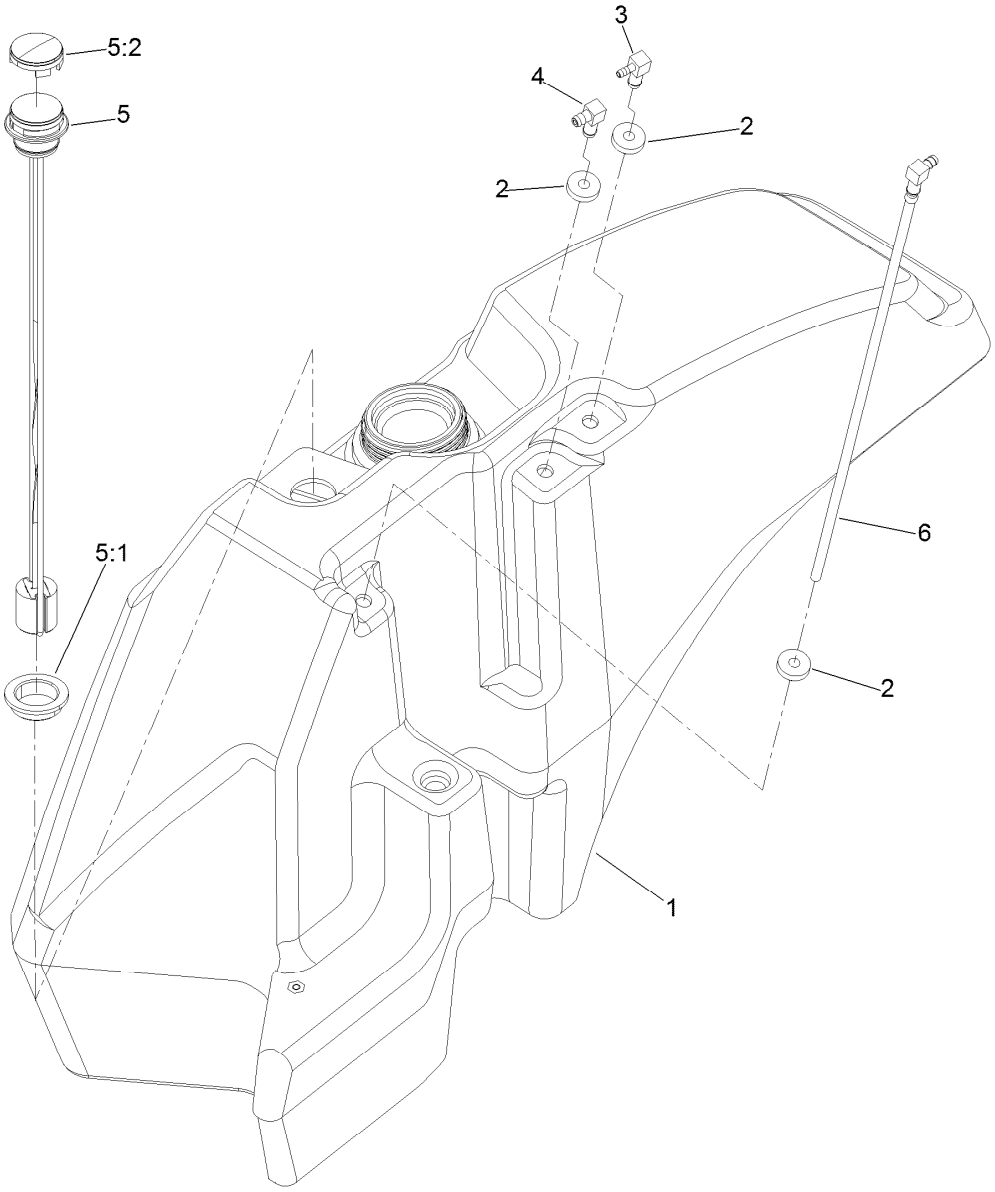
Ref.	Part Number	Qty.	Description
1	138-0291	1	Fuel Tank
2	138-4418	1	Hydraulics Tank ASM
3	114-4920	1	Hose
4	138-7392	1	Hydraulic Tube ASM
5	2412-119	2	Clamp-Hose
6	138-7361	1	Hose-Suction
7	2412-34	1	Clamp-Hose
8	139-6228	1	Tank Support-Hydraulic
8:2	127-0392	1	Decal-Hot Surface
9	138-0441-03	1	Bracket-Tank 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



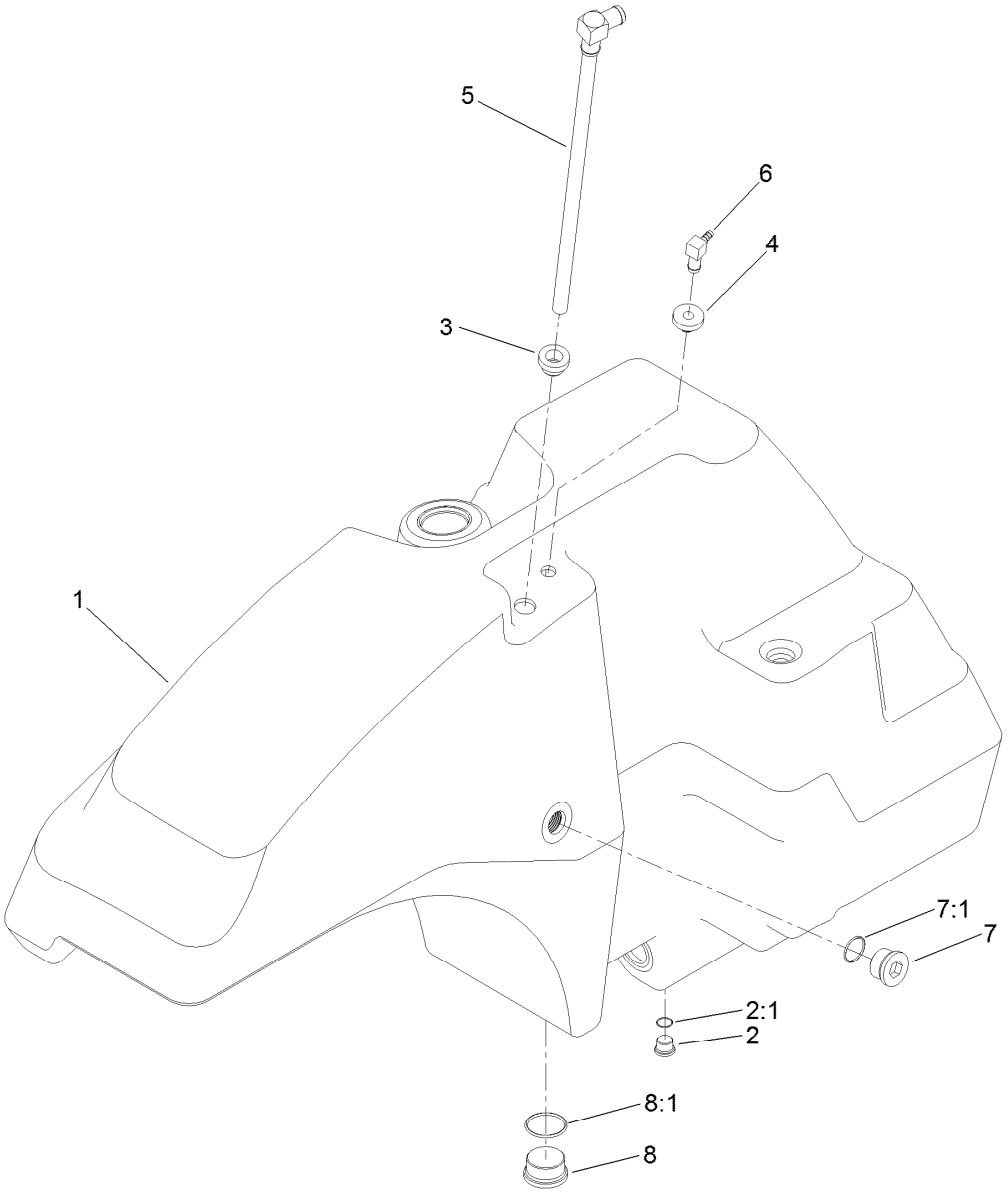
Fuel and Hydraulic Tank Assembly (continued)

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



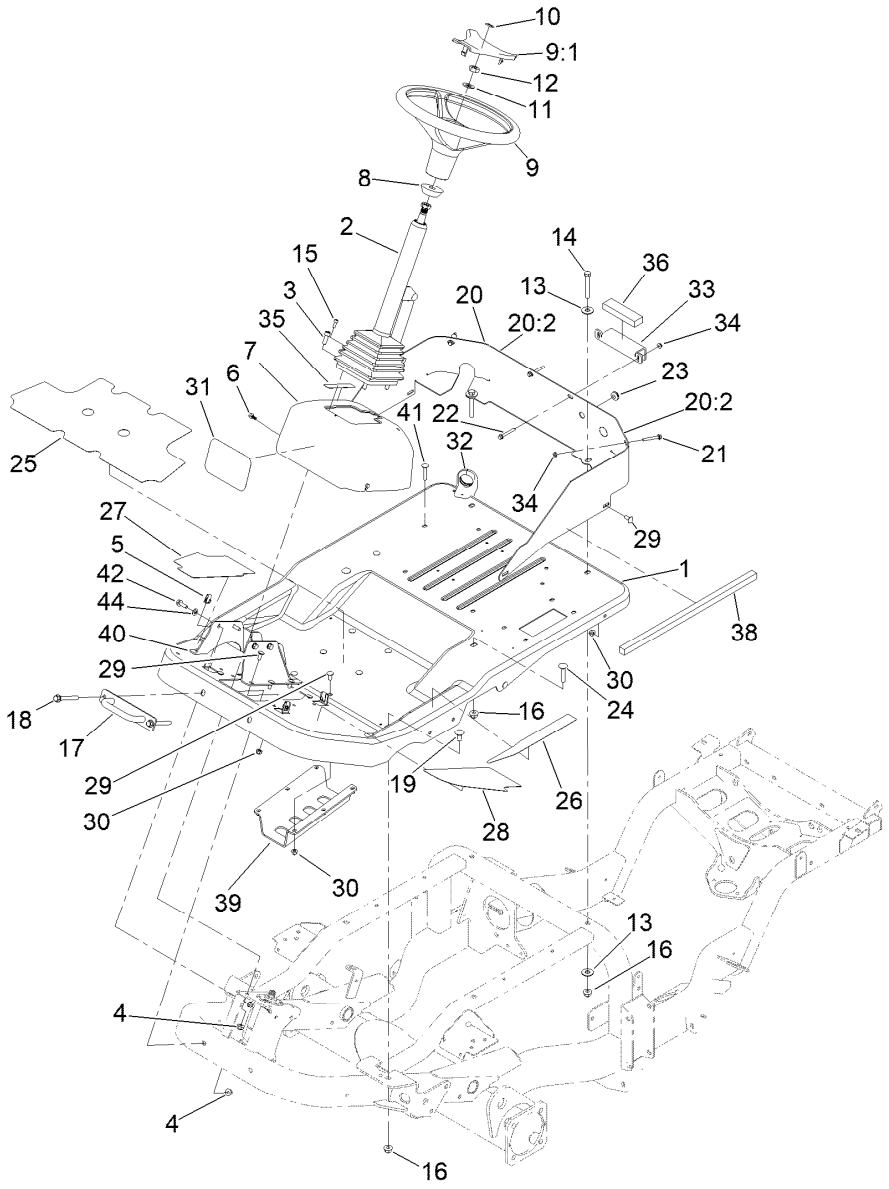
Fuel Tank Assembly No. 138-0291

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

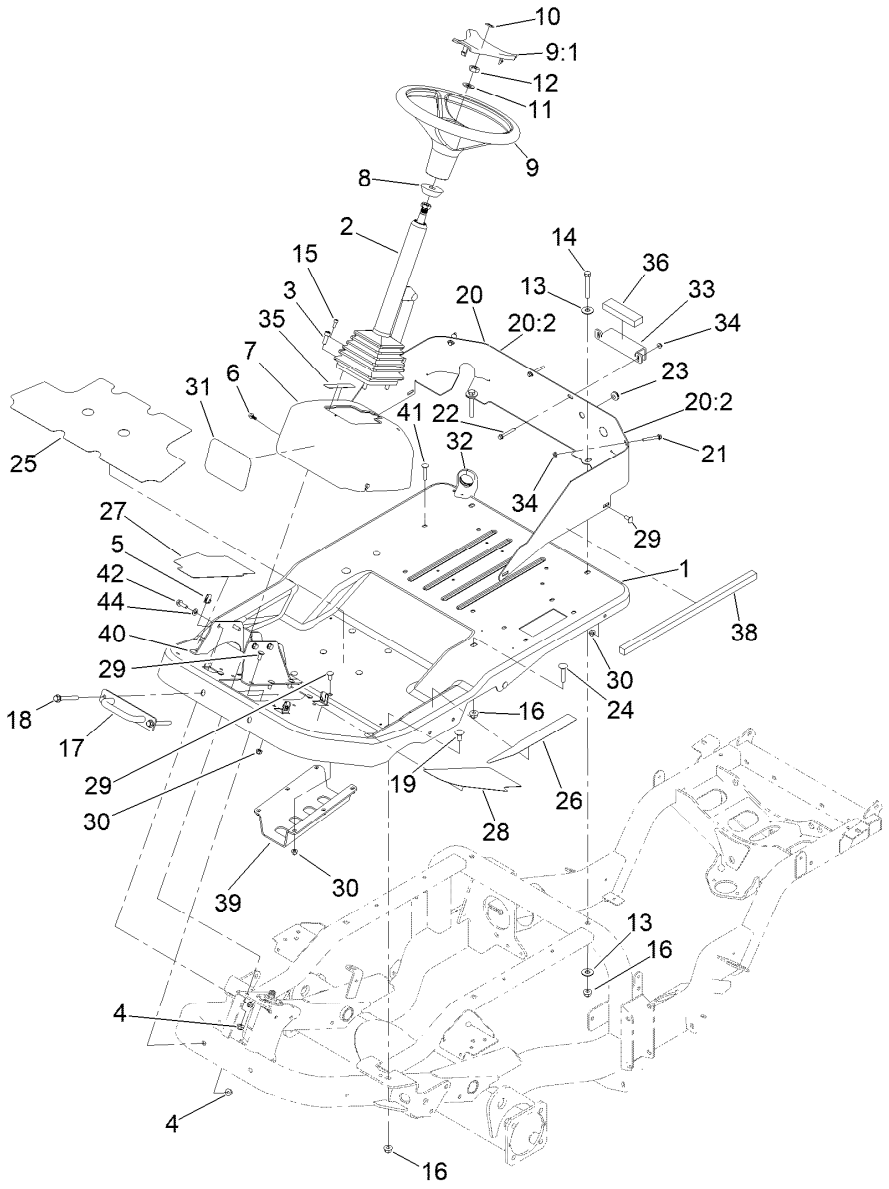
Ref.	*Part Number*	*Qty.*	*Description*
1	138-7386	1	Tank-Hydraulic W/Inserts
2	353-989	1	Plug-Hex, Hollow
2:1	237-42	1	O-Ring
3	104-0790	1	Bushing
4	46-6560	1	Bushing
5	138-7384	1	Tube-Drop
6	104-5228	1	Fitting-Elbow, 90 DEG
7	139-6333	1	Fitting-Plug
7:1	237-81	1	O-Ring
8	105-3921	1	Fitting-Plug
8:1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



Platform, Steering and Console Assembly

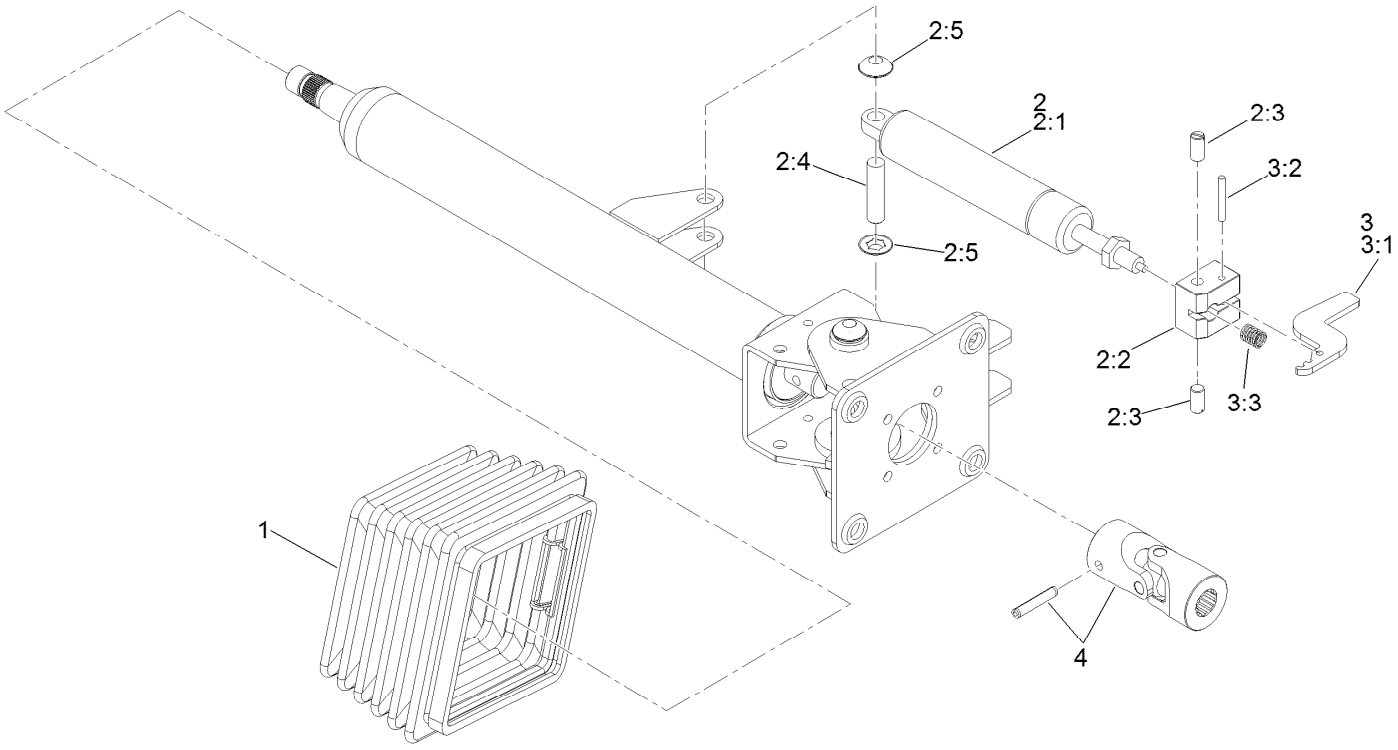
Ref.	Part Number	Qty.	Description
1	144-4030SP	1	Platform-Stamped
2	139-0857	1	Column-Steering, Tilt
3	3274-7	4	Screw-HSH
4	104-8301	6	Nut-HF, NI
5	107069	4	Clip
6	99-6810	4	Screw-HHF
7	138-7494	1	Cover-Steering
8	93-5429	1	Collar-Foam
9	98-1471	1	Wheel-Steering
9:1	98-1468	1	Cover-Wheel, Steering
10	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	21	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	145-5983-0P	1	Bracket-Steering Mount [primed]



Platform, Steering and Console Assembly (continued)

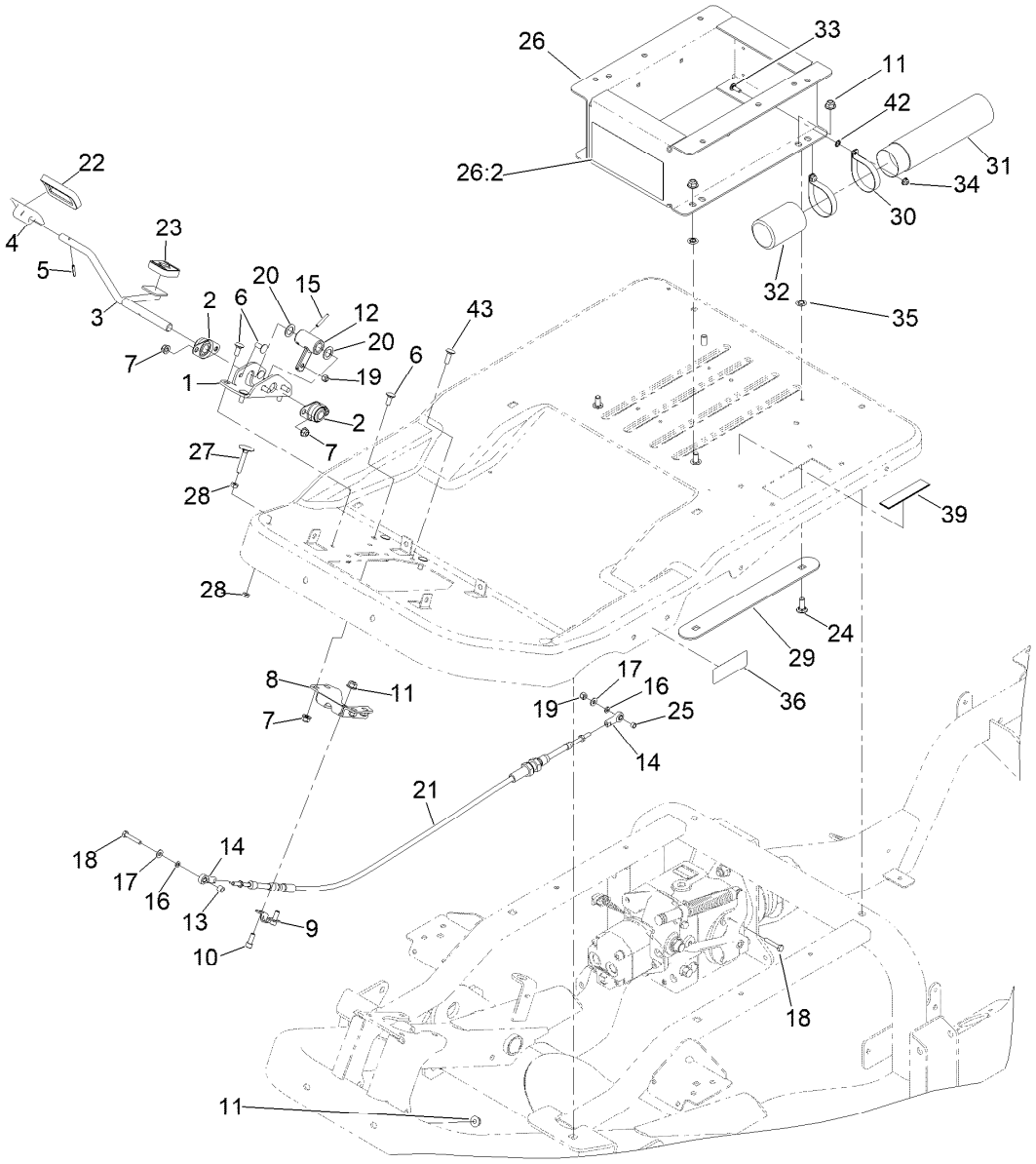
Ref.	Part Number	Qty.	Description
41	116-0629	2	Screw-CARR
42	3234-29	4	Screw-HHF
44	3256-38	4	Washer-Flat



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

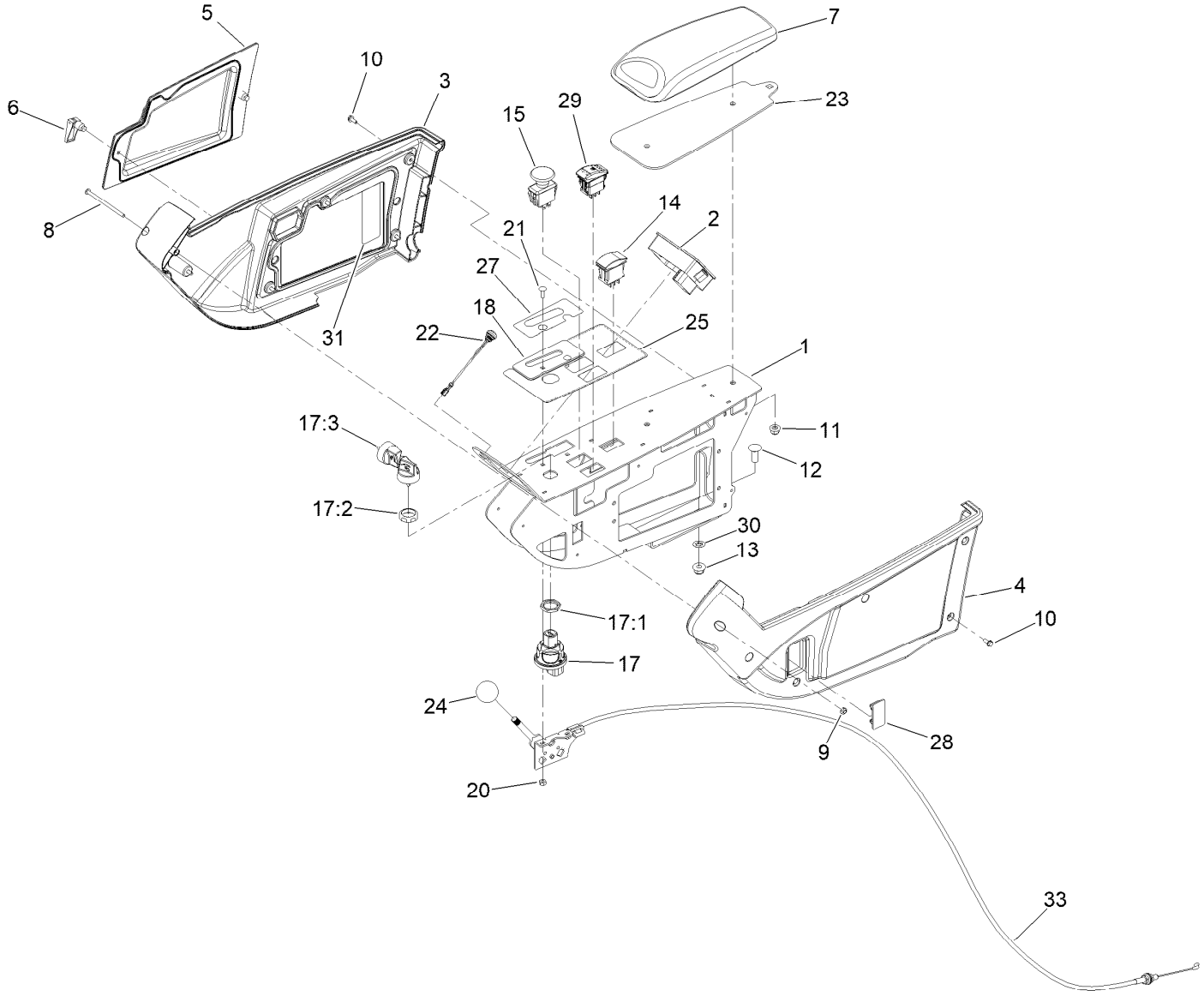
● Not serviced separately



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	14	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	4	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

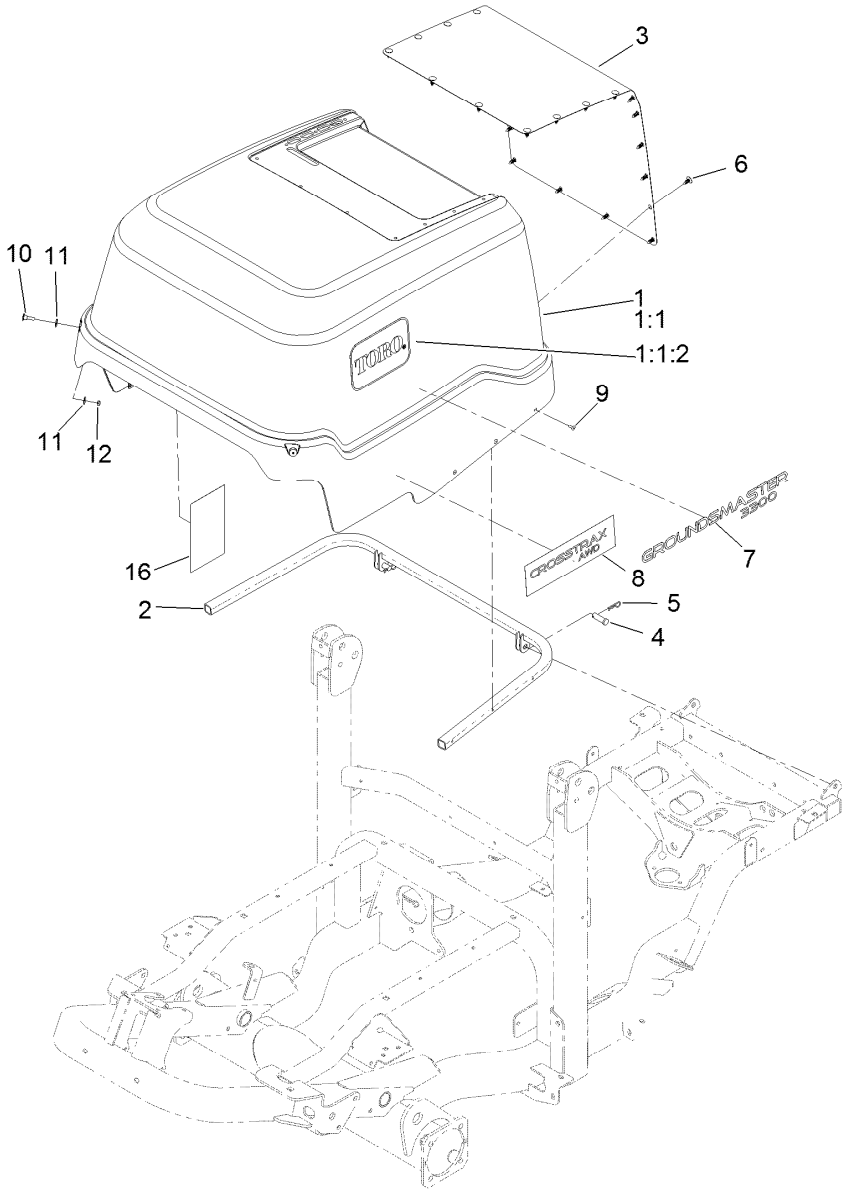
Ref.	Part Number	Qty.	Description
21	137-2568	1	Traction-Cable
22	74-9100	1	Pad-Pedal, Forward
23	74-9110	1	Pad-Pedal, Reverse
24	3231-22	4	Screw-CARR
25	130-9691	1	Spacer
26	139-6221	1	Seat Box ASM
26:2	139-6215	1	Decal-Warning
27	115-8240	1	Screw-Elevator
28	3218-2	2	Nut-Hex Jam
29	138-7422-0P	2	Strip-Seat 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
43	3230-10	1	Bolt-CARR



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	Switch-Ignition

Ref.	Part Number	Qty.	Description
17:1	121-5160	1	Nut-Hex
17:2	122-2704	1	Nut-Face, M22 (Plastic)
17:3	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



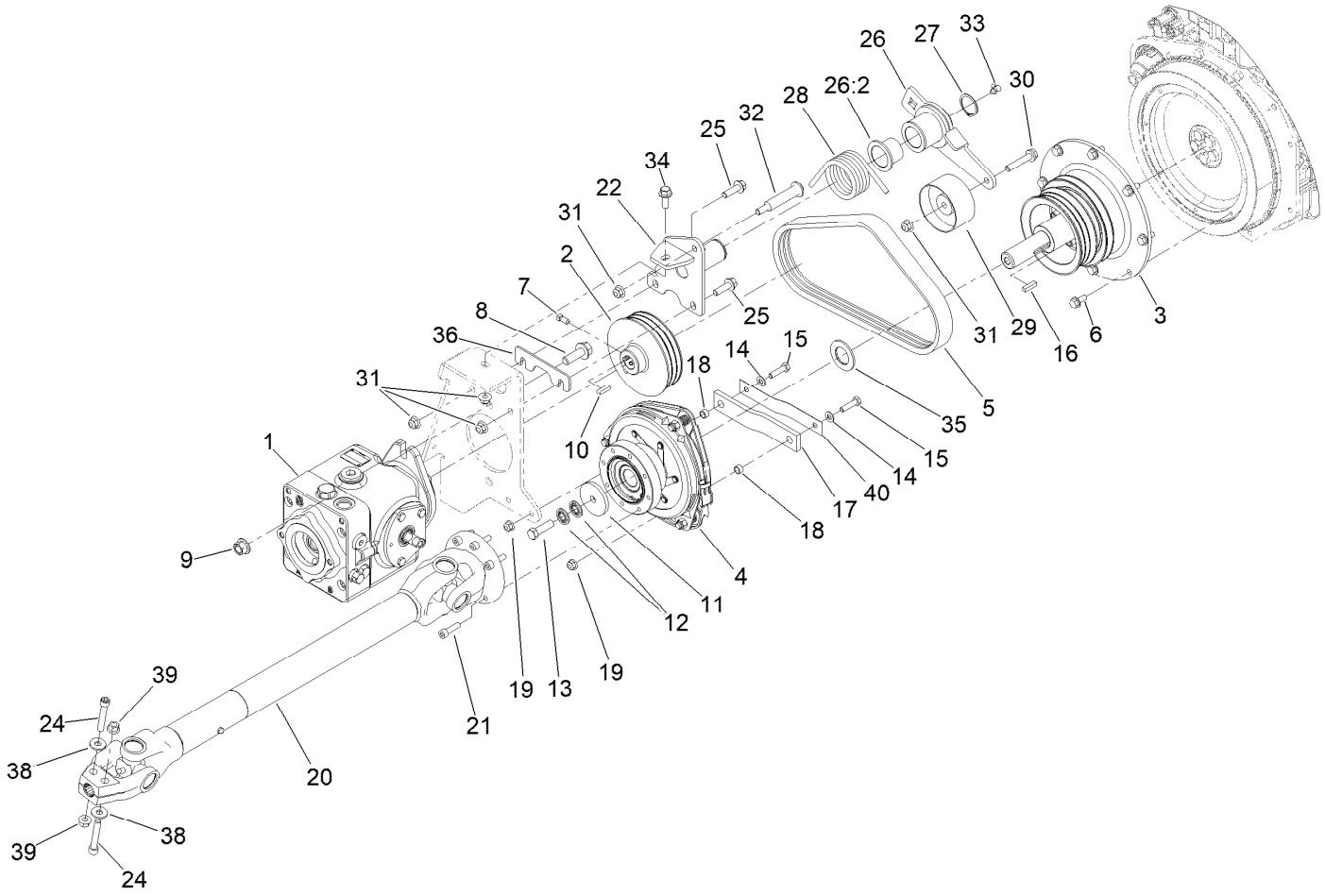
Hood Assembly

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

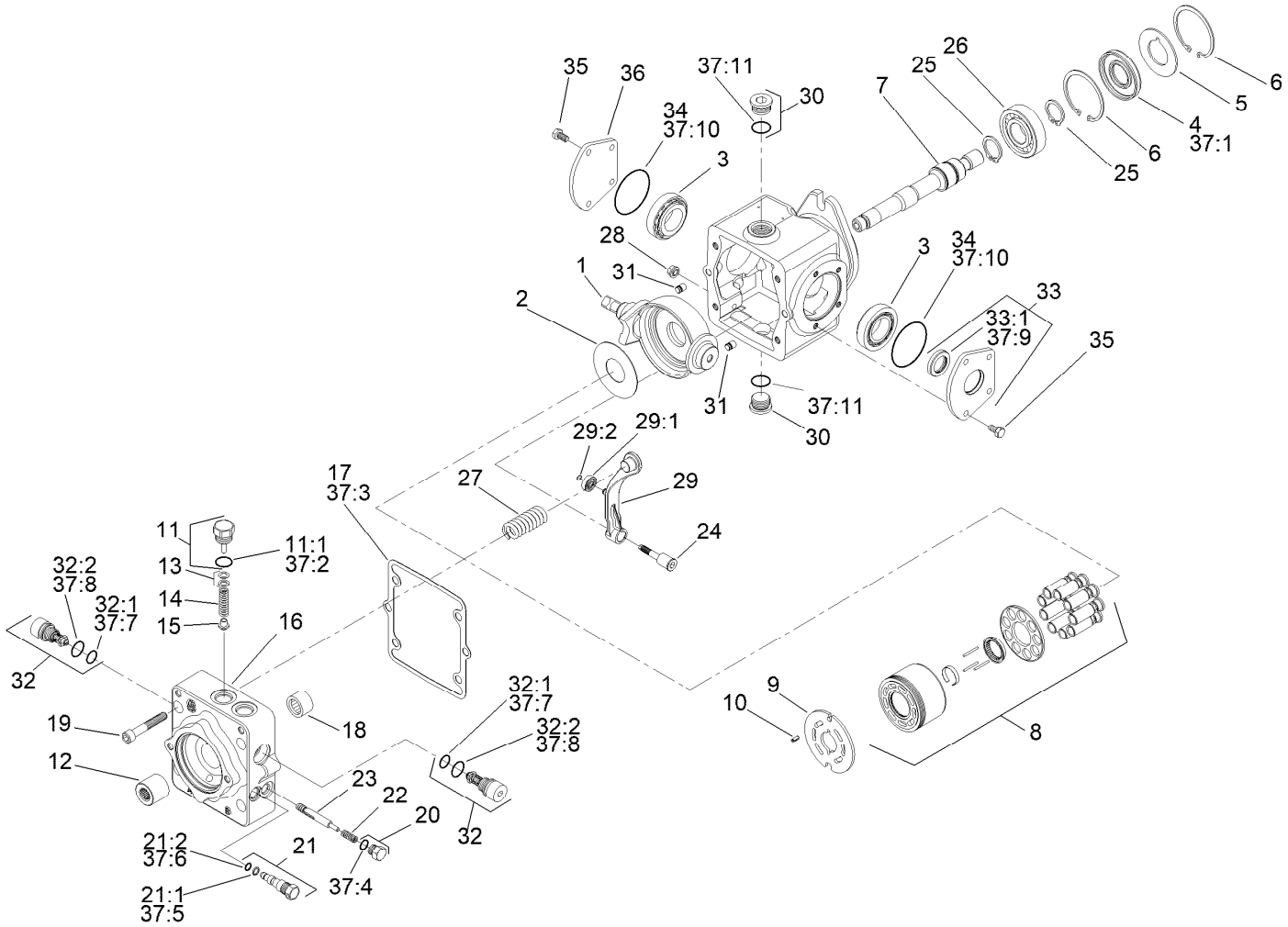
■ Not serviced separately



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	145-5987	1	Clutch-Gt5 W/Integral Con
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
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

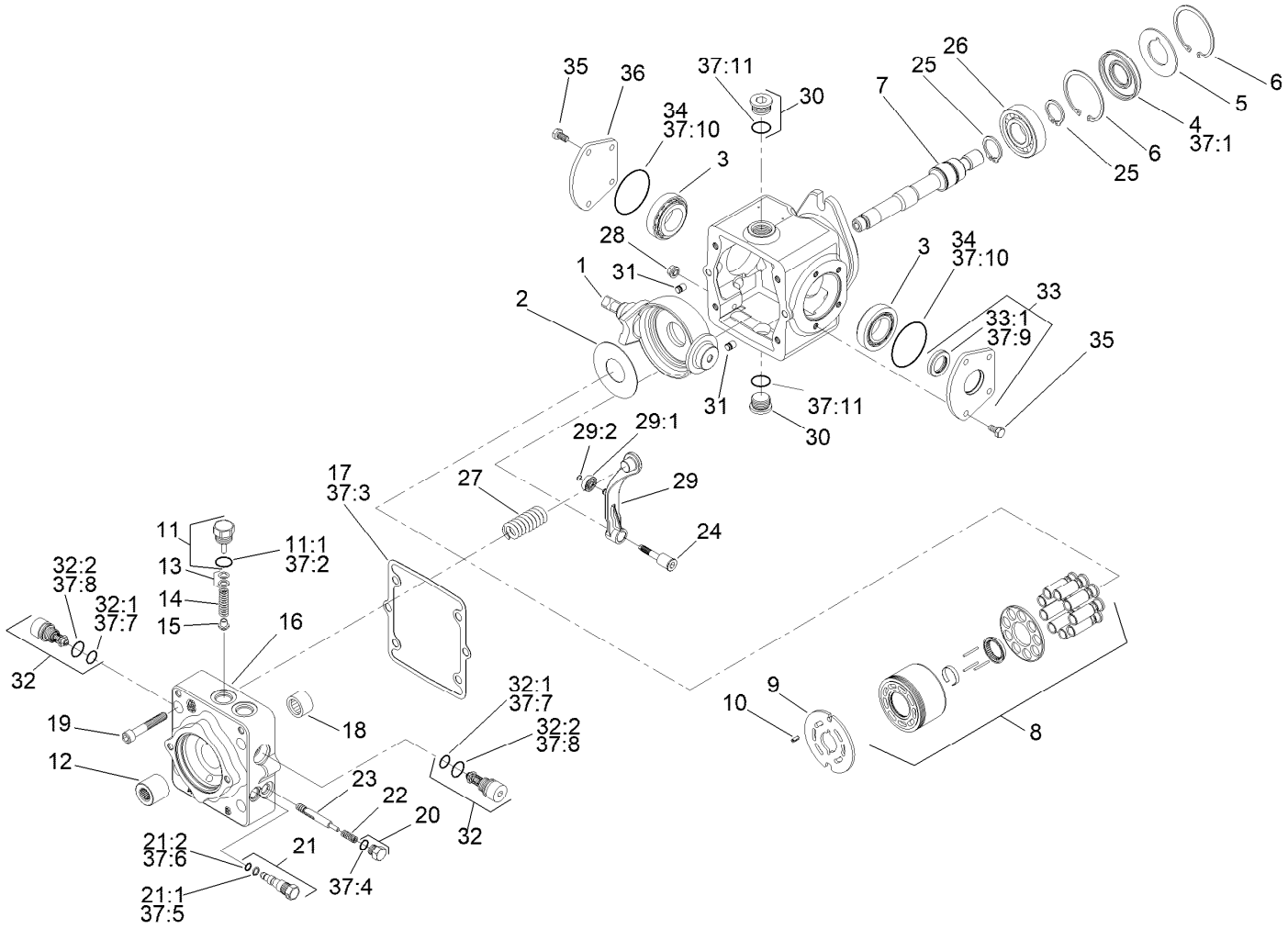


Variable Piston Pump Assembly No. 138-0305

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
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
31	112-0158	2	Pin

● Not illustrated

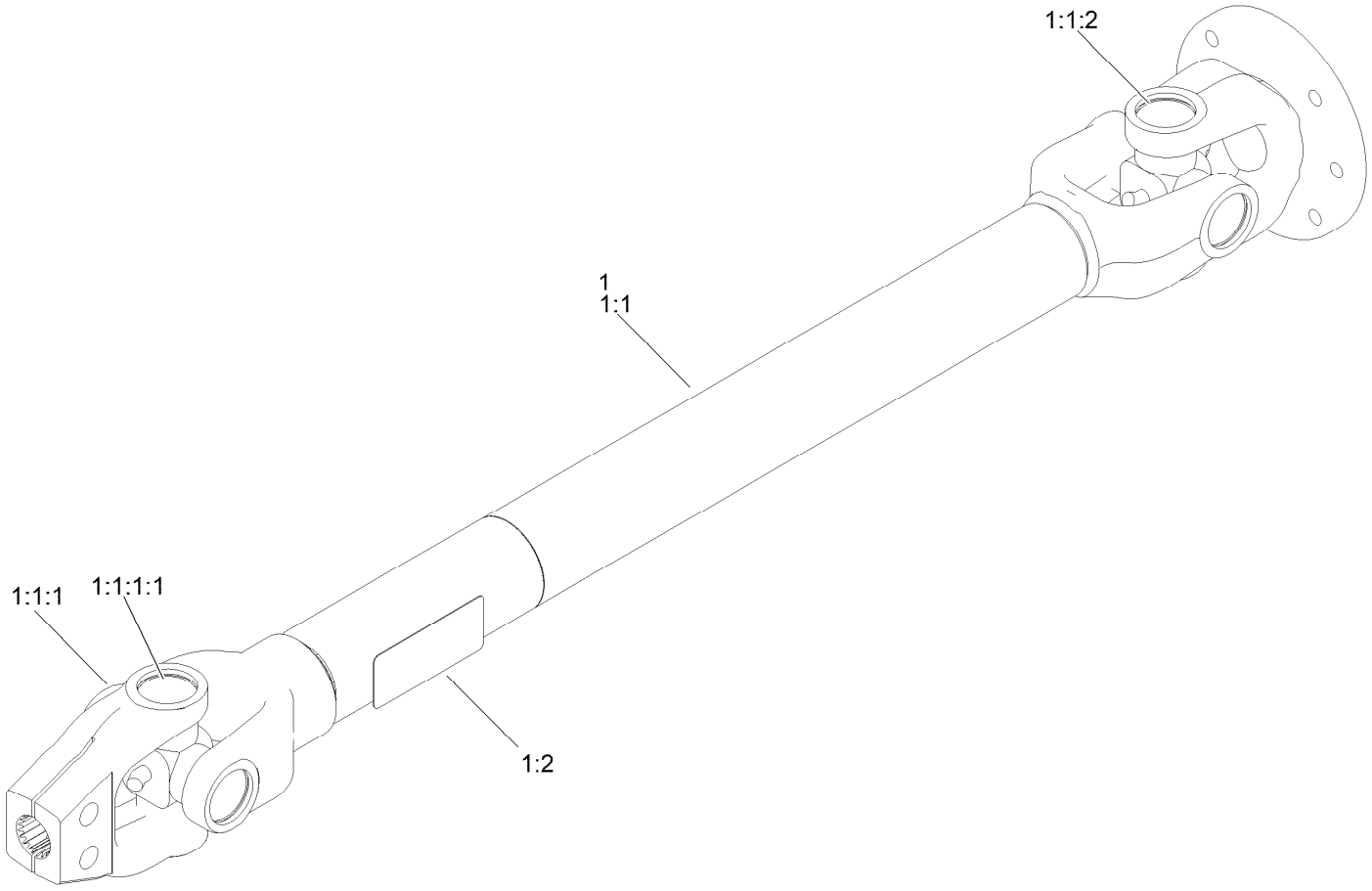


Variable Piston Pump Assembly No. 138-0305 (continued)

Ref.	Part Number	Qty.	Description
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

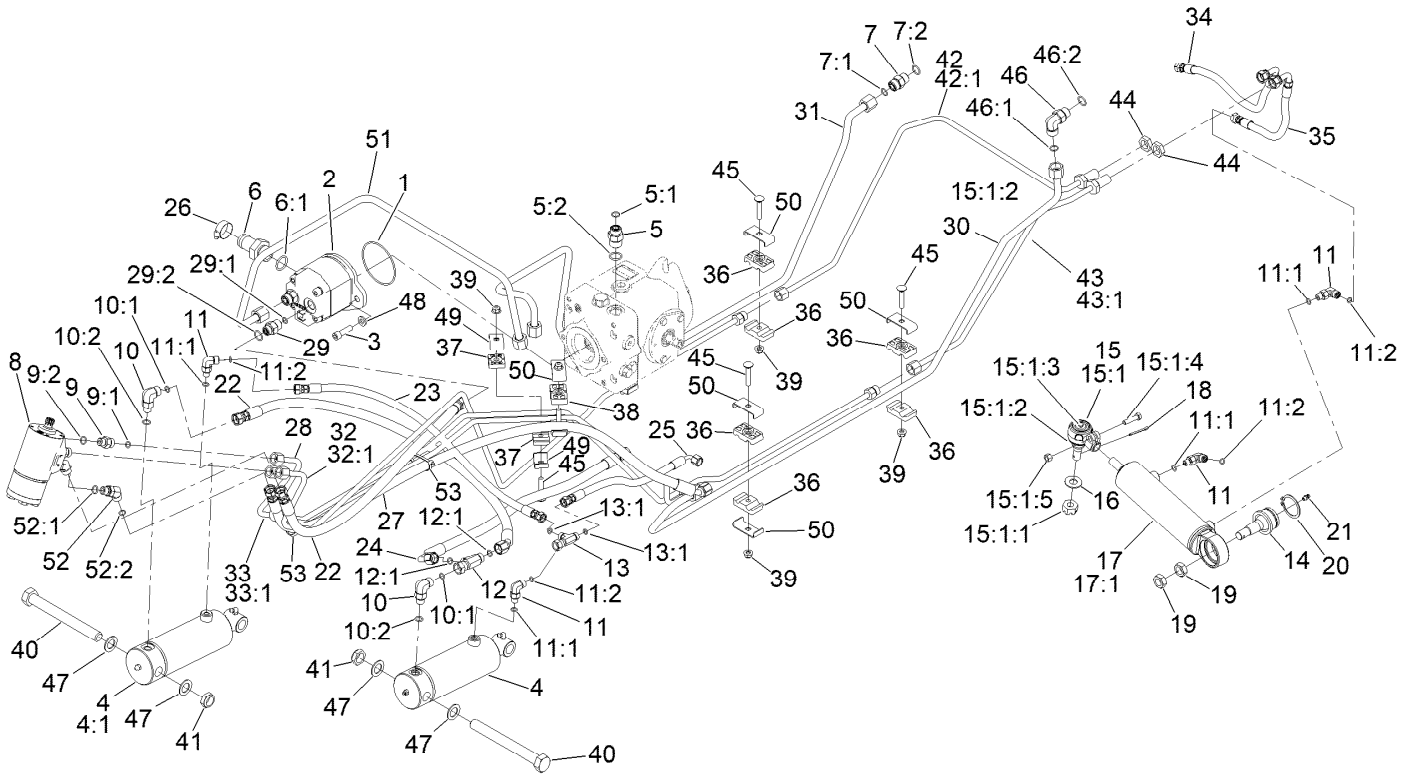
● Not illustrated



Driveshaft Assembly No. 144-0521SP

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Driveshaft ASM ●
1:1		1	Shaft-Drive, Jdl ●
1:1:1	144-0519	1	Yoke-Splined W/Cross Joint
1:1:1:1	144-0550	1	Bearing-Cross Joint
1:1:2	144-0550	1	Bearing-Cross Joint
1:2	139-6304	1	Decal-Danger, Entanglement

● Not serviced separately



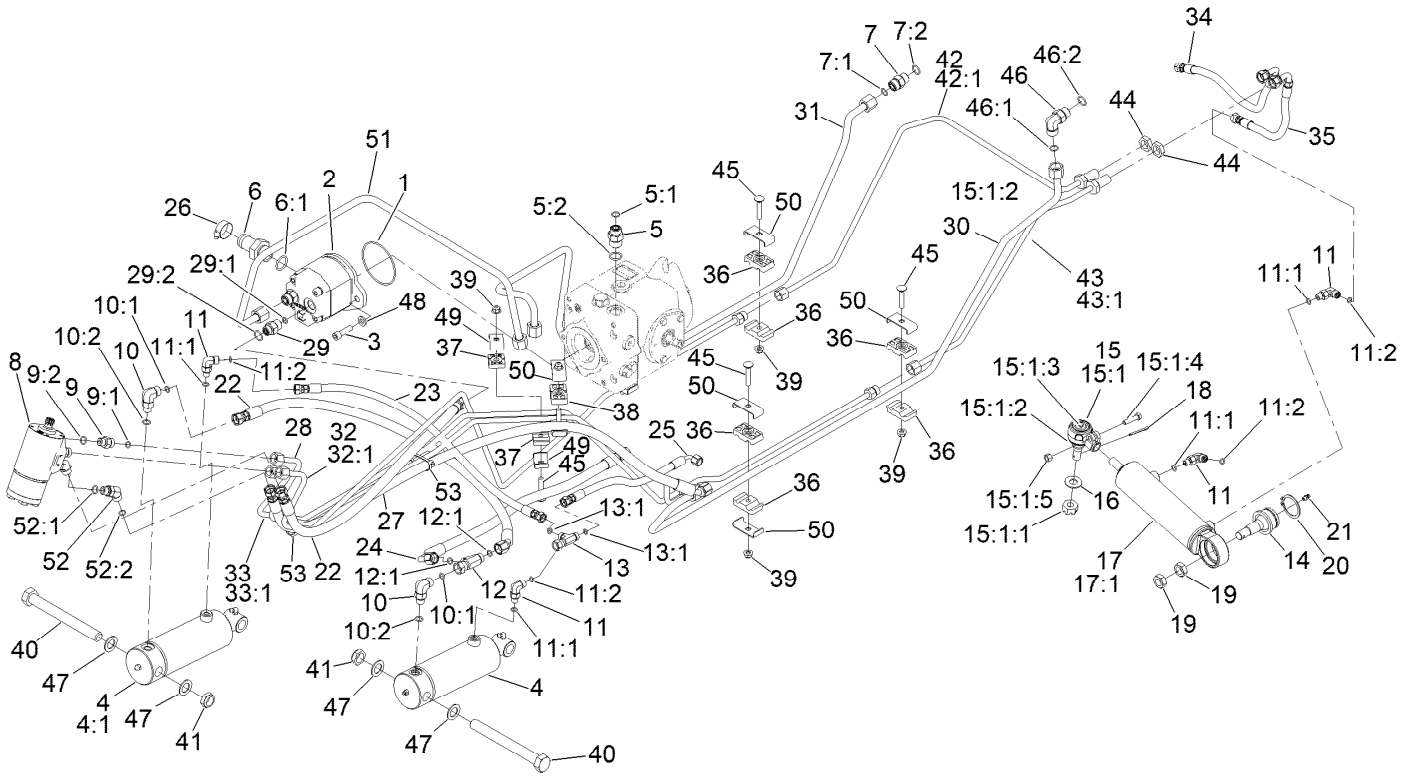
Hydraulic Assembly

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

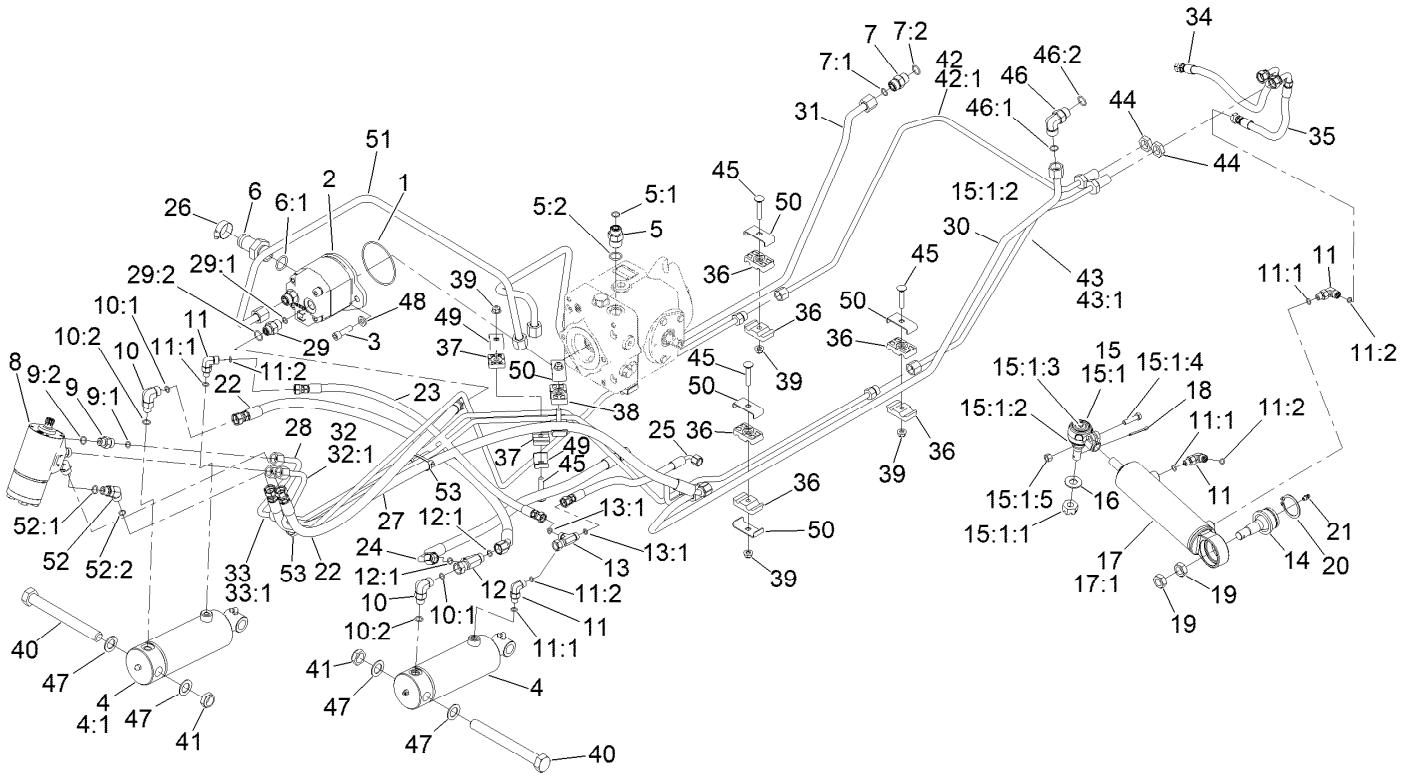


Hydraulic Assembly (continued)

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
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

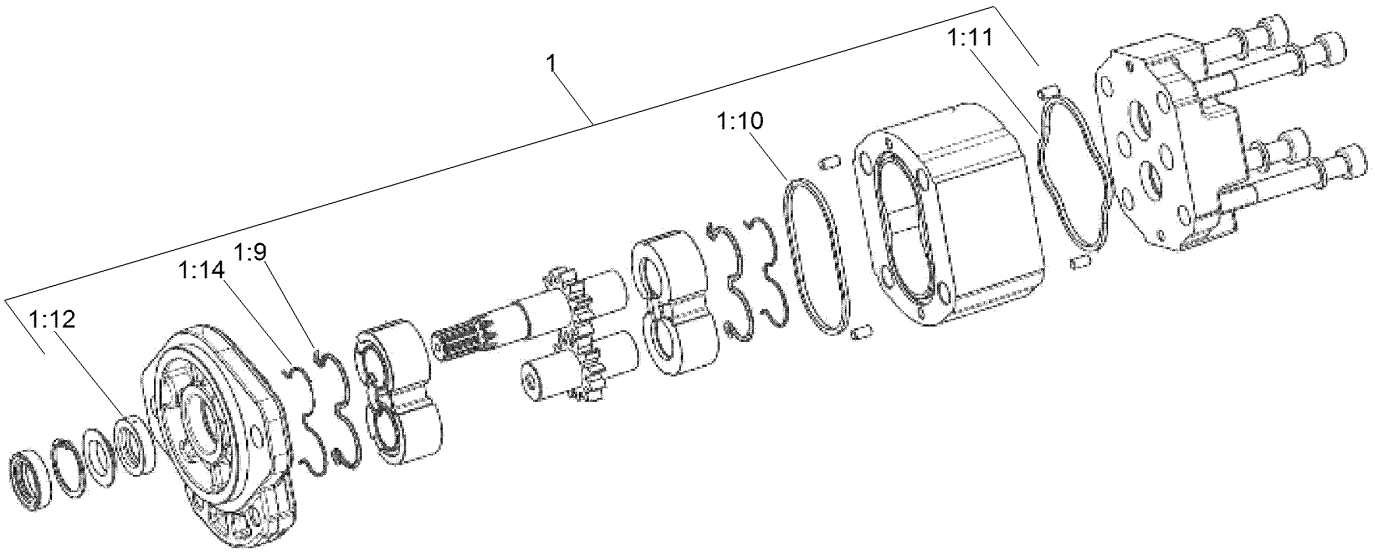


Hydraulic Assembly (continued)

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
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	4	Tie-Cable

● Not illustrated

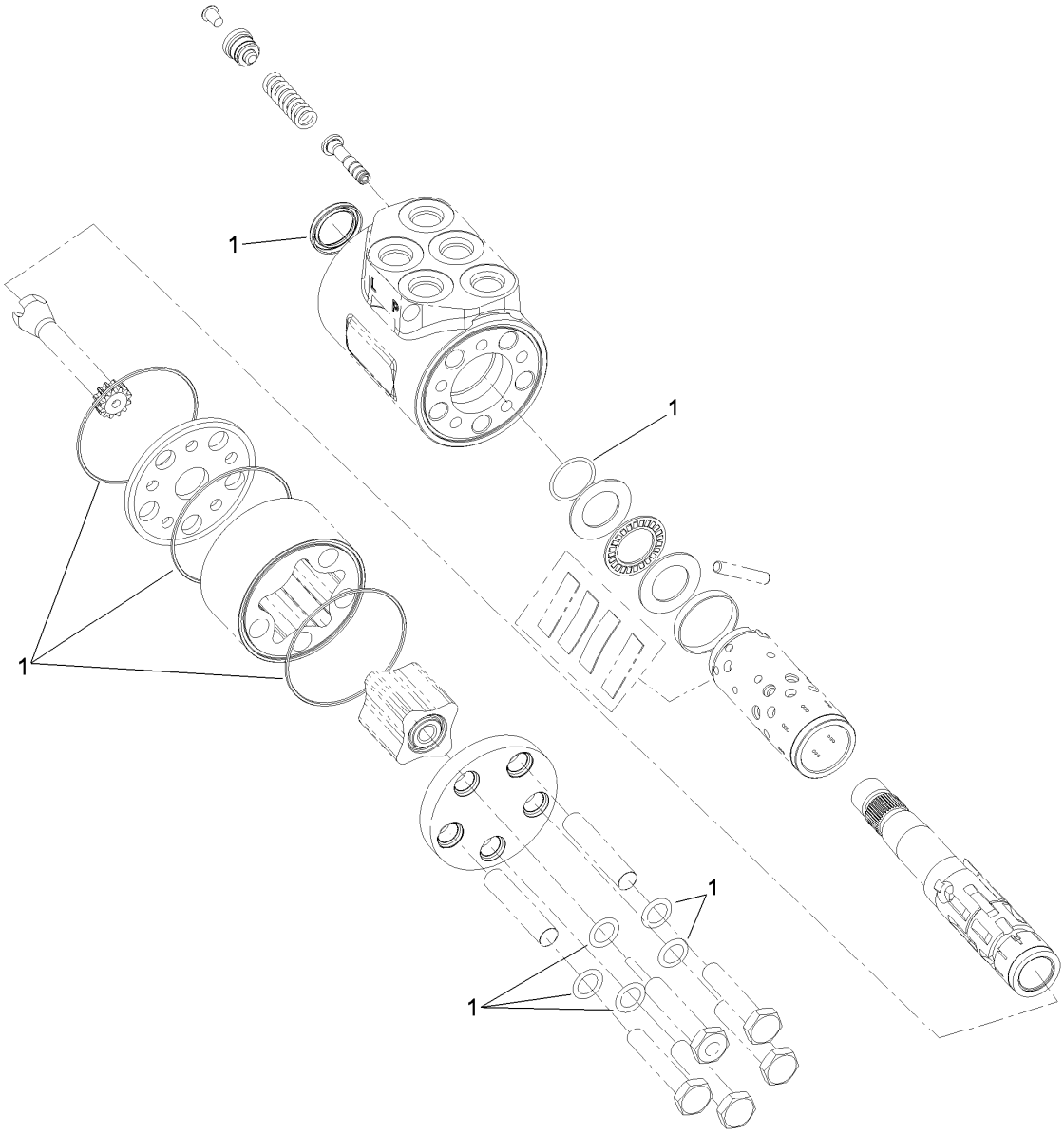
■ Not serviced separately



Gear Pump Assembly No. 138-0321

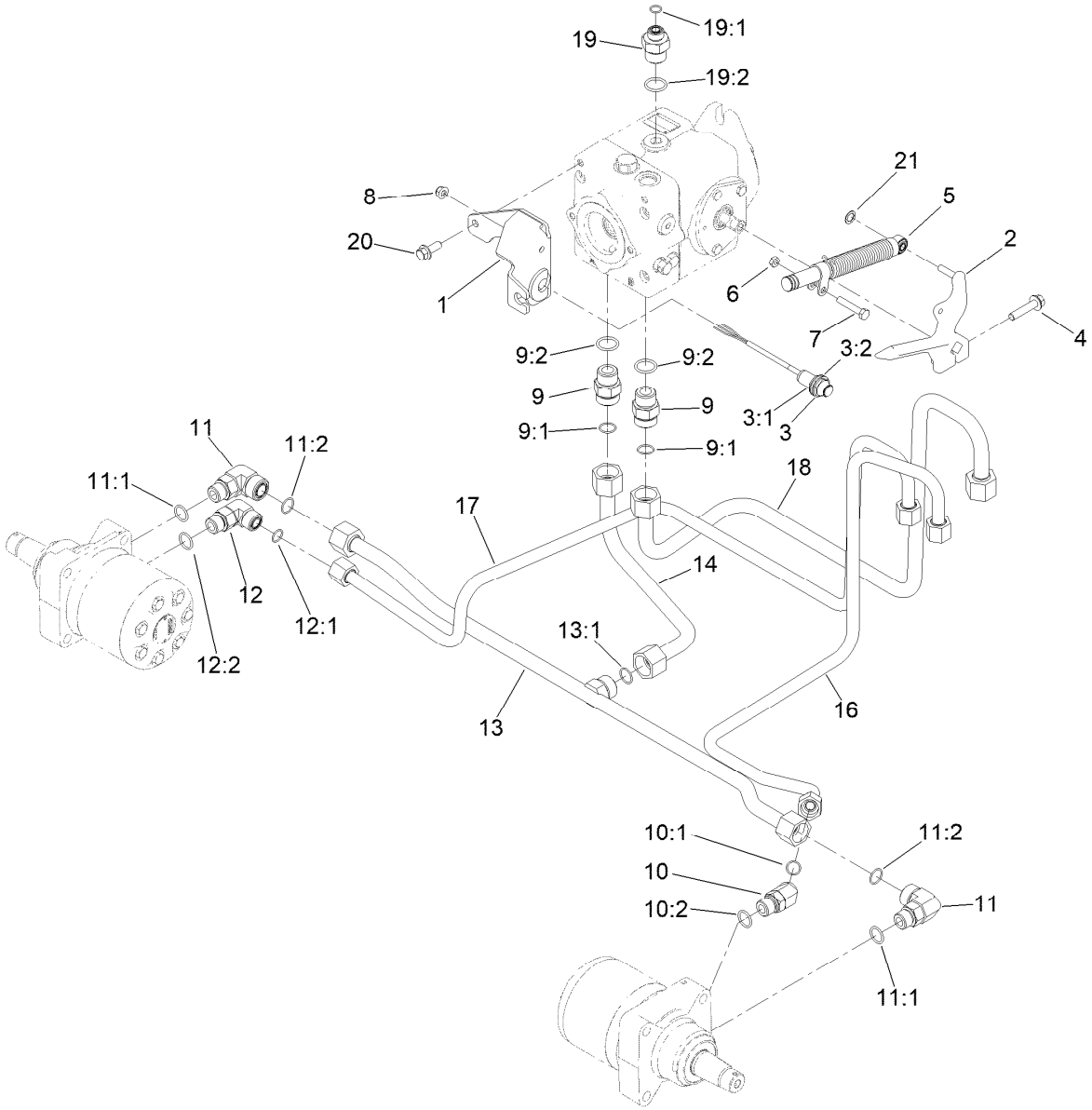
Ref.	*Part Number*	*Qty.*	*Description*
1	139-6299	1	Kit-Seal
1:9		1	Seal ●
1:10		1	Seal-Standard ●
1:11		1	Seal-Square ●
1:12		1	Seal-Shaft ●
1:14		1	Anti Extrusion ●

● Not serviced separately



Steering Valve Assembly No. 114-8119

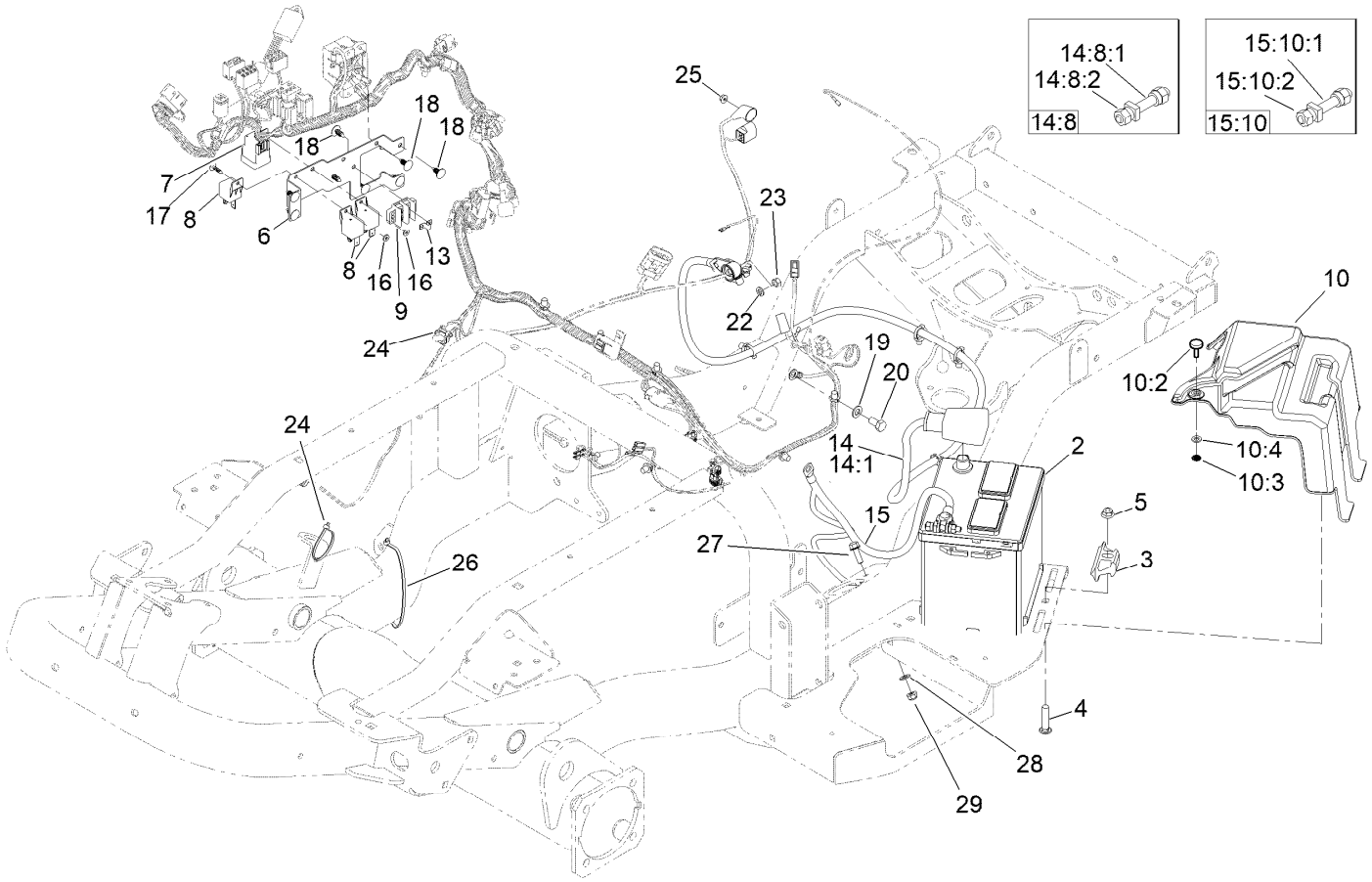
Ref.	*Part Number*	*Qty.*	*Description*
1	106-6716	1	Seal Kit



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



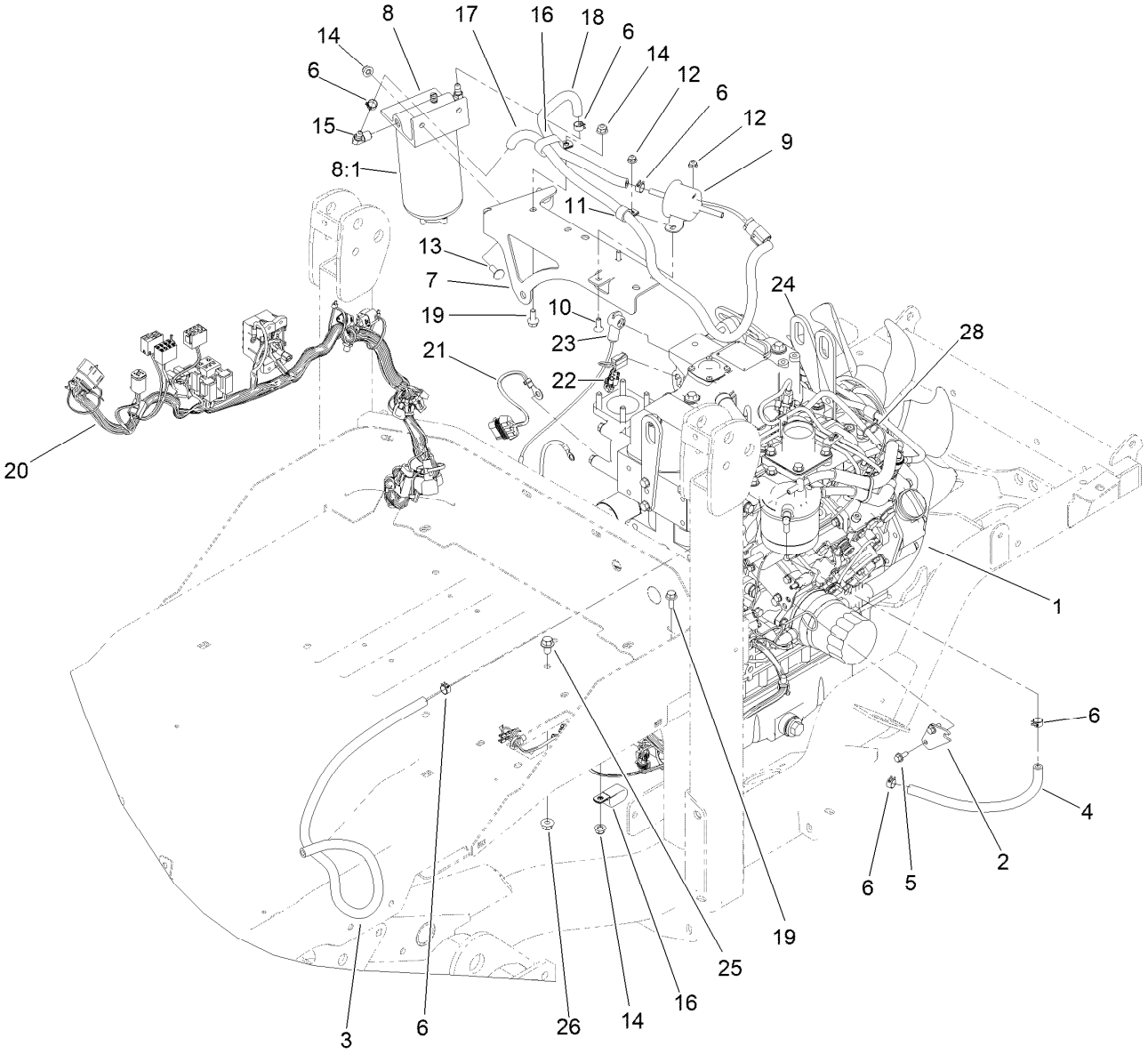
Electrical Assembly

Ref.	Part Number	Qty.	Description
2		1	Battery - Wet, 12V, 540 CCA ■▲
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-Hex Shoulder

Ref.	Part Number	Qty.	Description
15	122-1276	1	Cable-Battery, Negative ASM
15:10		1	Bolt ASM ●▲
15:10:1	32180-107	1	Bolt-Clamp, Battery
15:10:2	32180-108	2	Nut-Hex Shoulder
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	6	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

■ Obtain locally.

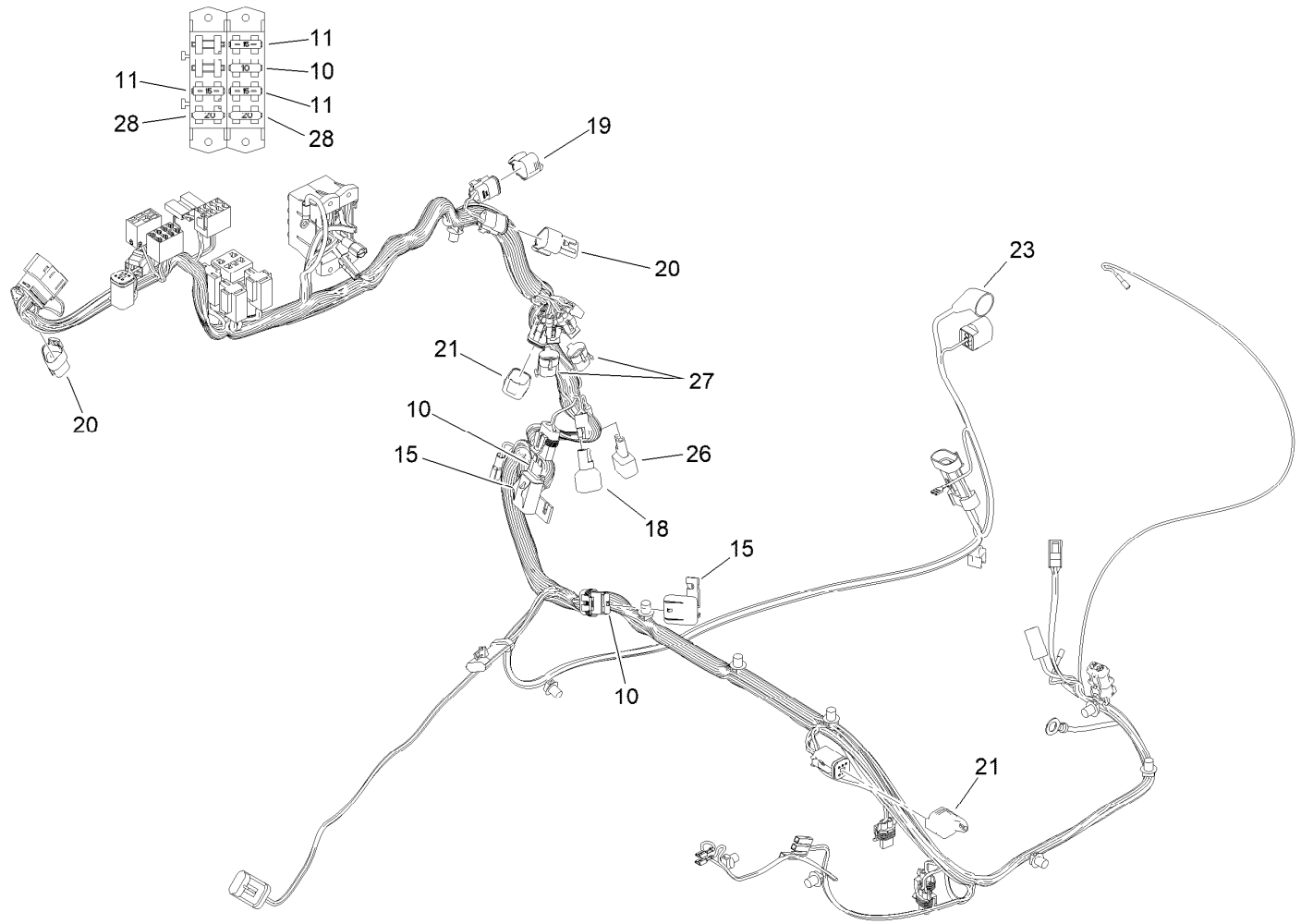


Engine and Electrical Assembly

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
13	3230-10	2	Bolt-CARR

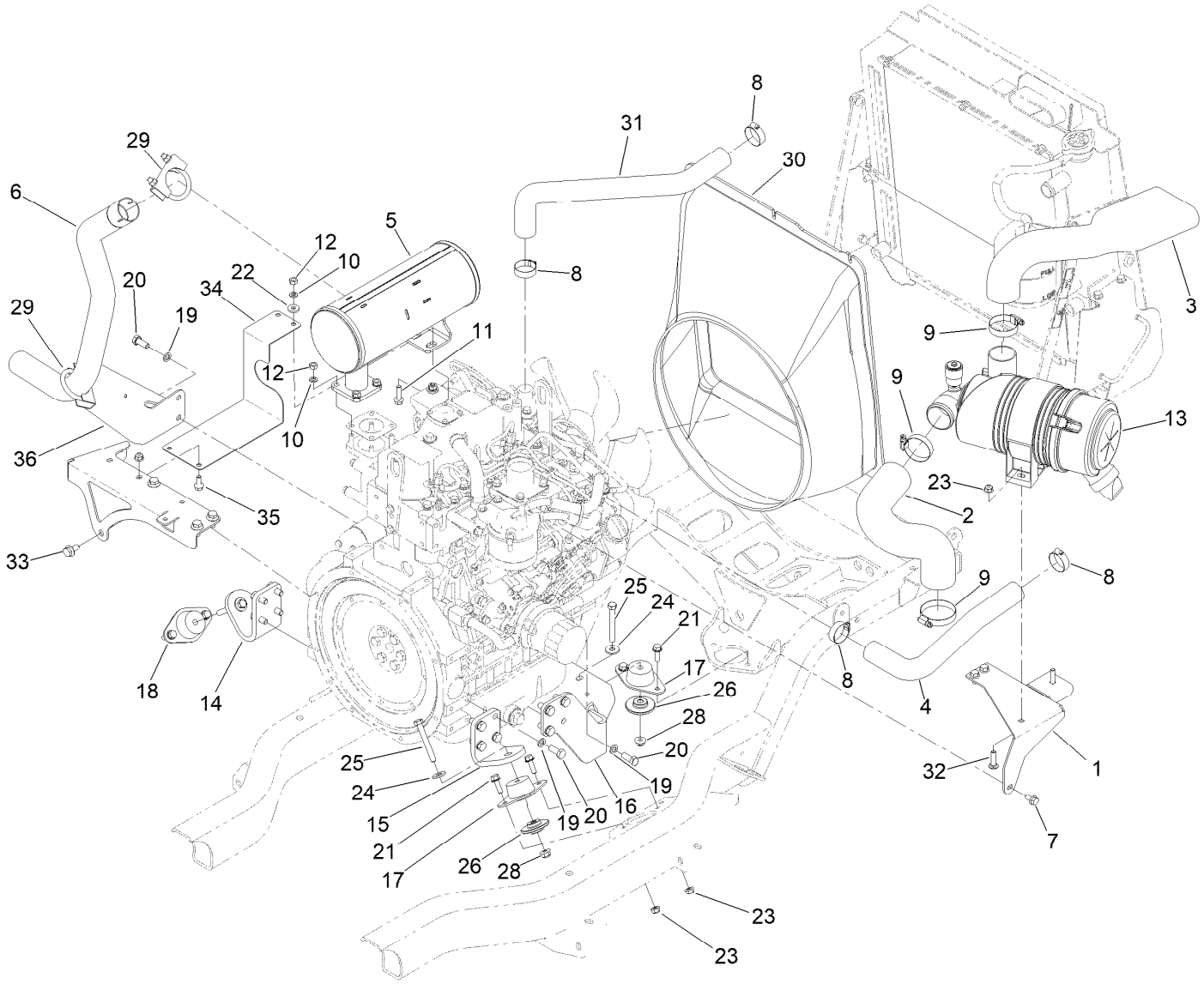
Ref.	Part Number	Qty.	Description
14	104-8300	4	Nut-HF, NI
15	353-781	2	Fitting-HYD, 90
16	120-1959	2	Clamp
17	126-1805	1	Hose-Fuel
18	110-4101	1	Hose-Fuel
19	3234-47	2	Screw-HHF
20	122-2518	1	Harness-Wire, Main
21	99-3441	1	Harness-Wire, Fusible Link
22	122-1768	1	Harness-Wire, Adapter
23	100-5552	1	Harness-Wire
24	140-7189-0P	1	Bracket-Lift
25	3234-9	1	Screw-HHF
26	104-8301	1	Nut-HF, NI
28	3290-378	1	Tie-Cable

Wire Harness Assembly No. 122-2518



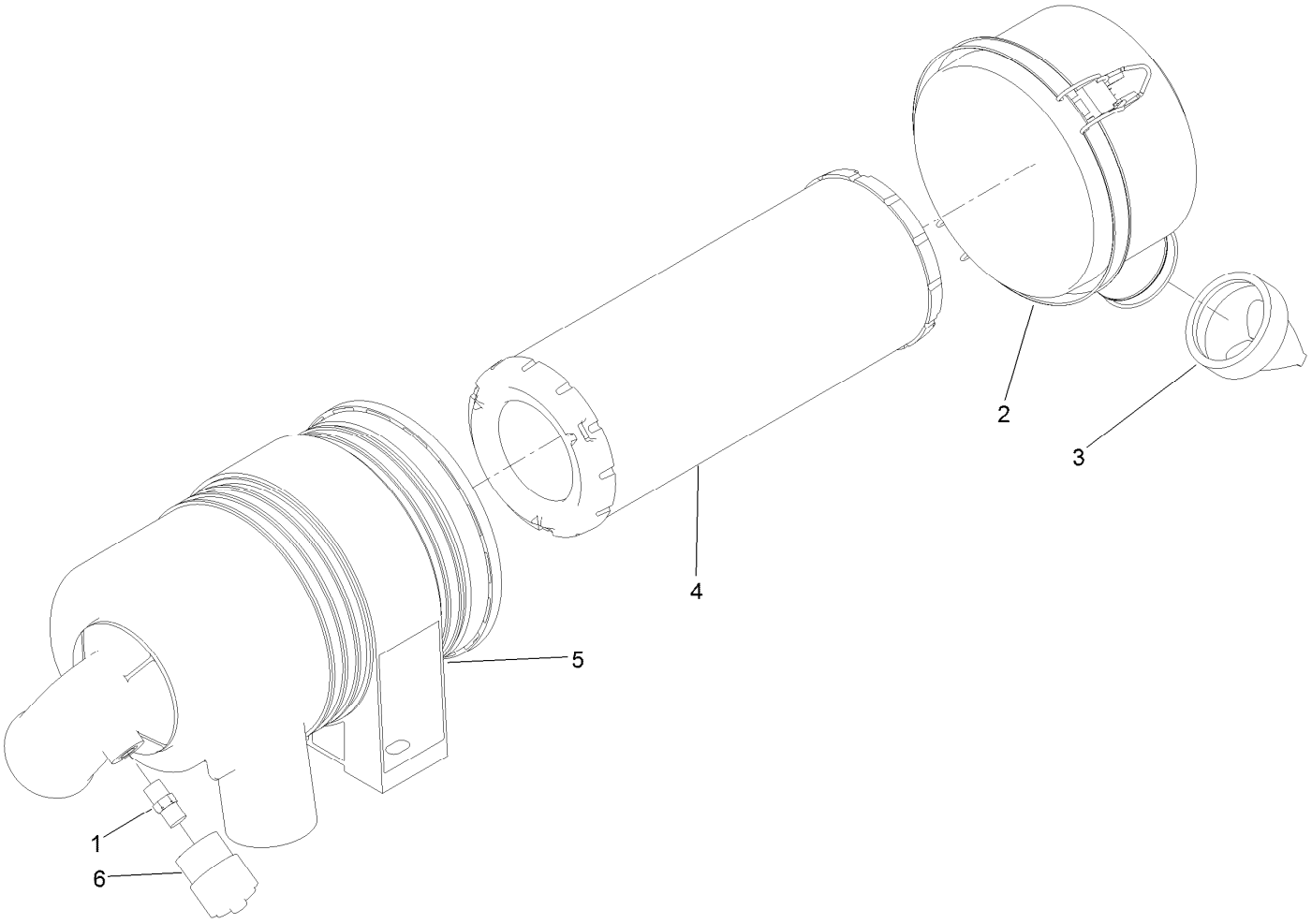
Wire Harness Assembly No. 122-2518 (continued)

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



Exaust and Air Cleaner Assembly

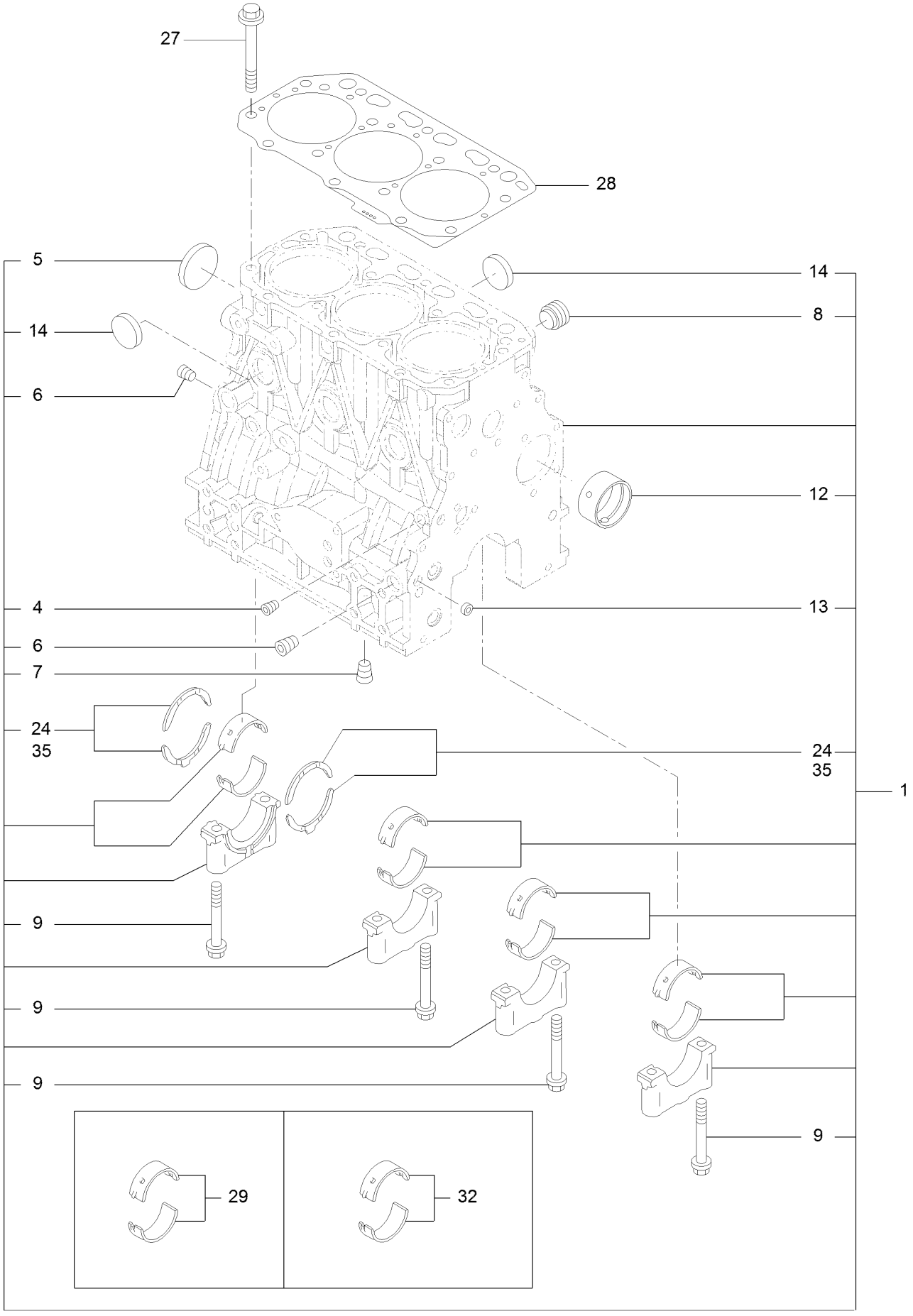
Ref.	*Part Number*	*Qty.*	*Description*
1	139-6260-0P	1	Bracket-Air Cleaner [primed]
2	139-6263	1	Hose-Cleaner, Air
3	139-6264	1	Hose-Intake, Air
4	139-6265	1	Hose-Radiator, Lower
5	139-6269	1	Muffler ASM
6	144-0571	1	Pipe-Exhaust
7	33104-016	3	Screw-HHF
8	2412-34	4	Clamp-Hose
9	2412-130	3	Clamp-Hose
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 [primed
17	120-6274	2	Mount-Engine
18	139-0856	1	Mount-Engine
19	48-9590	16	Washer-Lock
20	33115-025	16	Screw-HH
21	3234-29	6	Screw-HHF
22	88-7200	2	Washer-Flat
23	104-8300	9	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

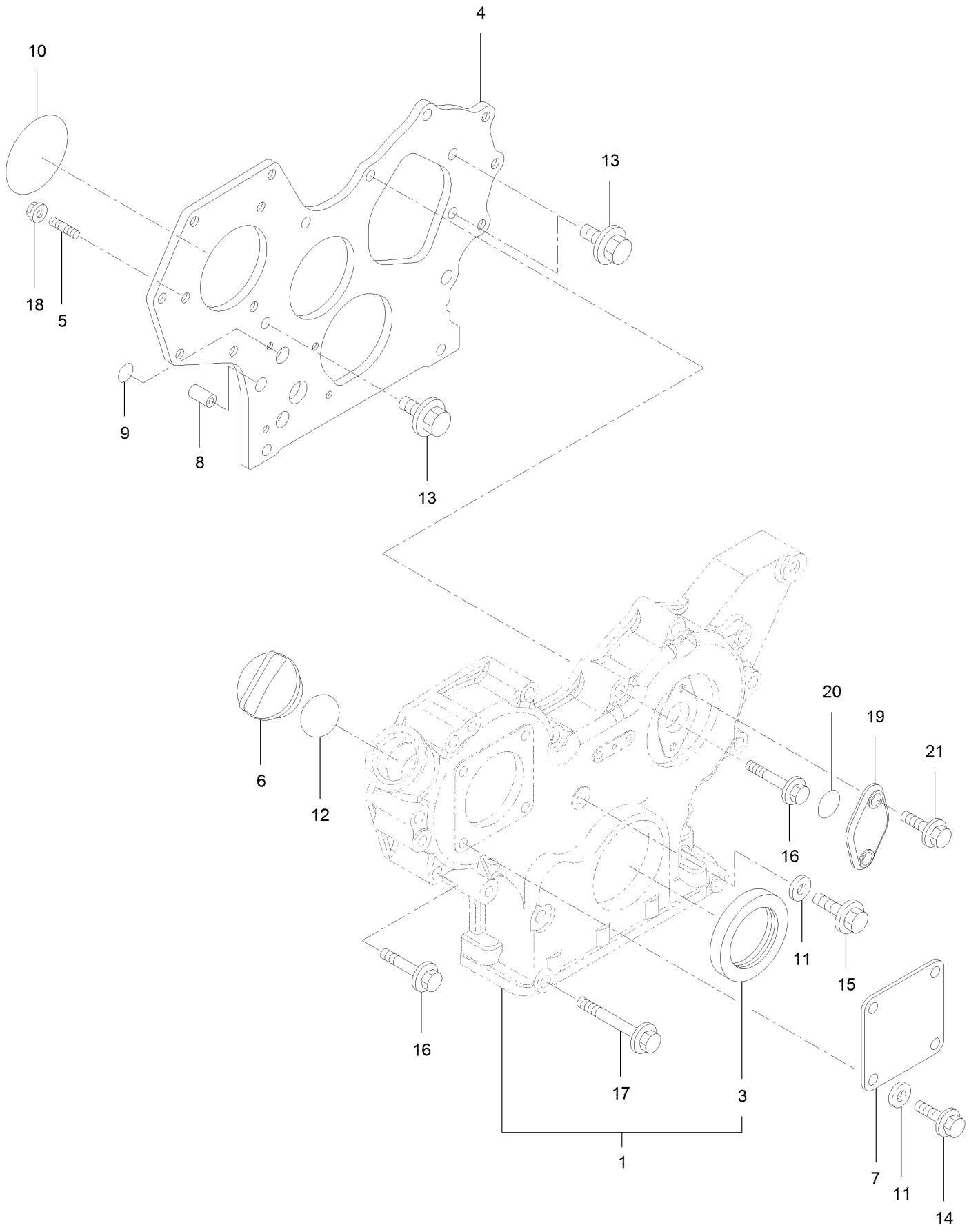
Cylinder Block Assembly



Cylinder Block Assembly (continued)

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

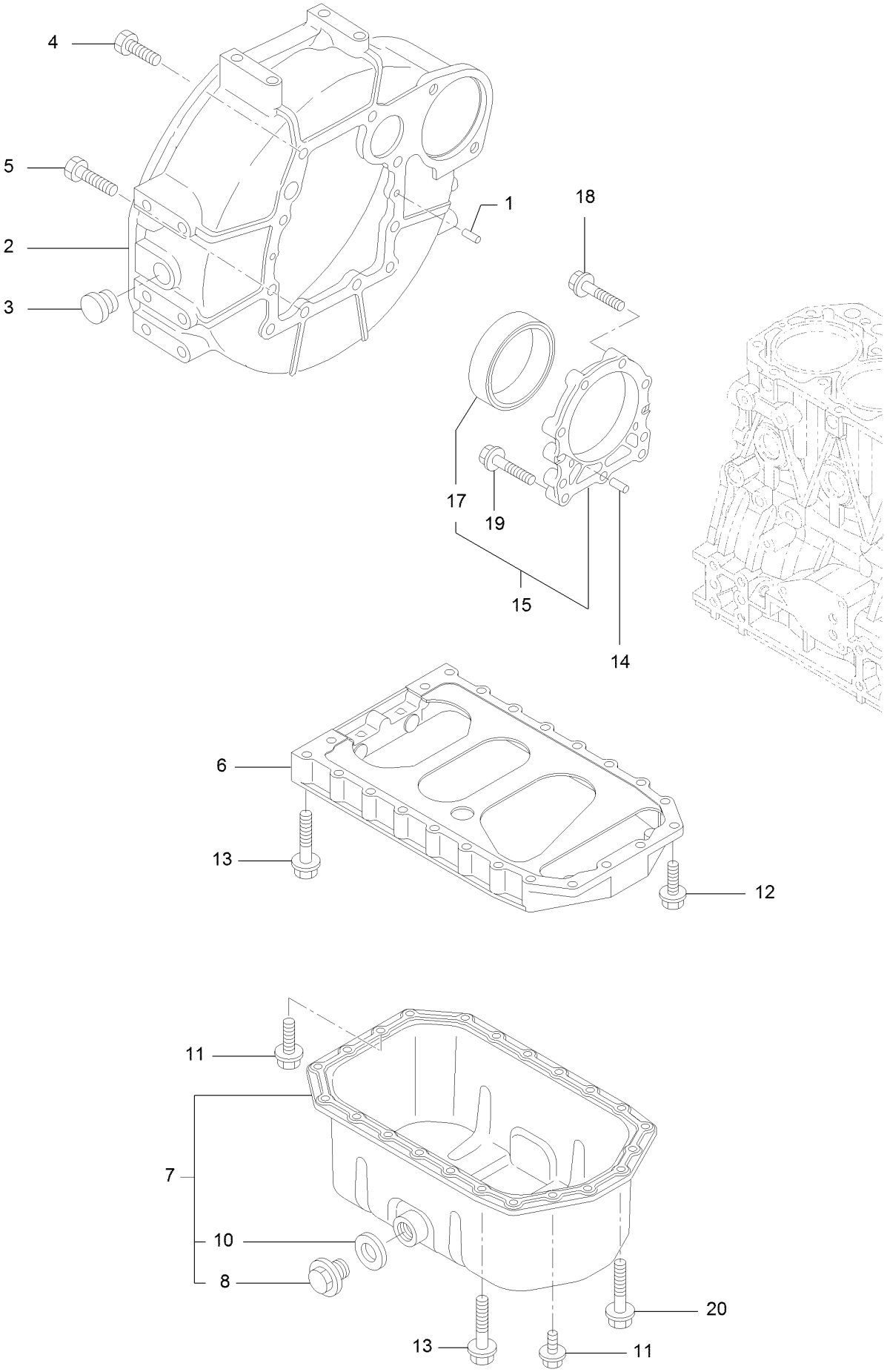
Gear Housing Assembly



Gear Housing Assembly (continued)

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

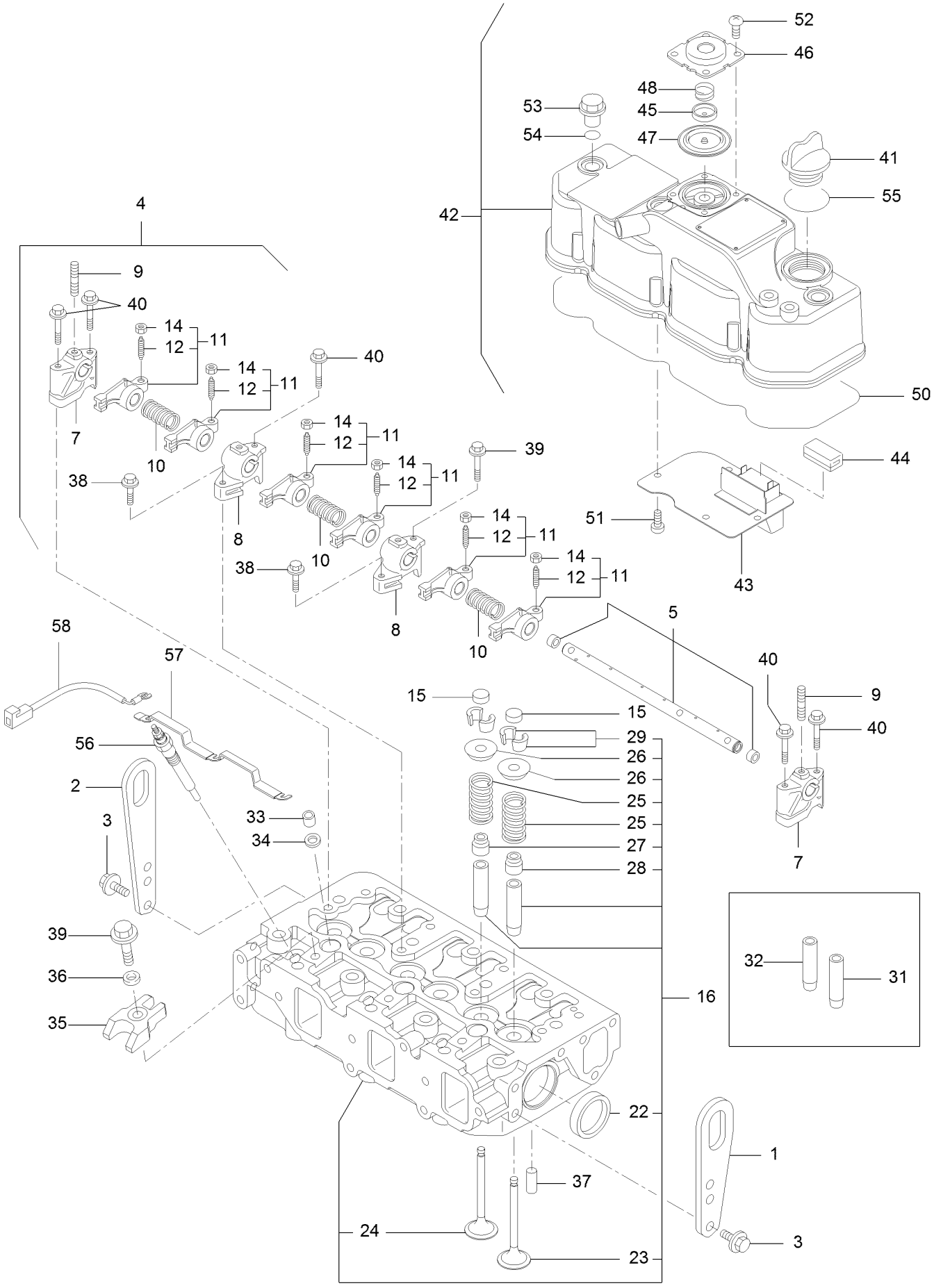
Mounting Flange and Oil Sump Assembly



Mounting Flange and Oil Sump Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

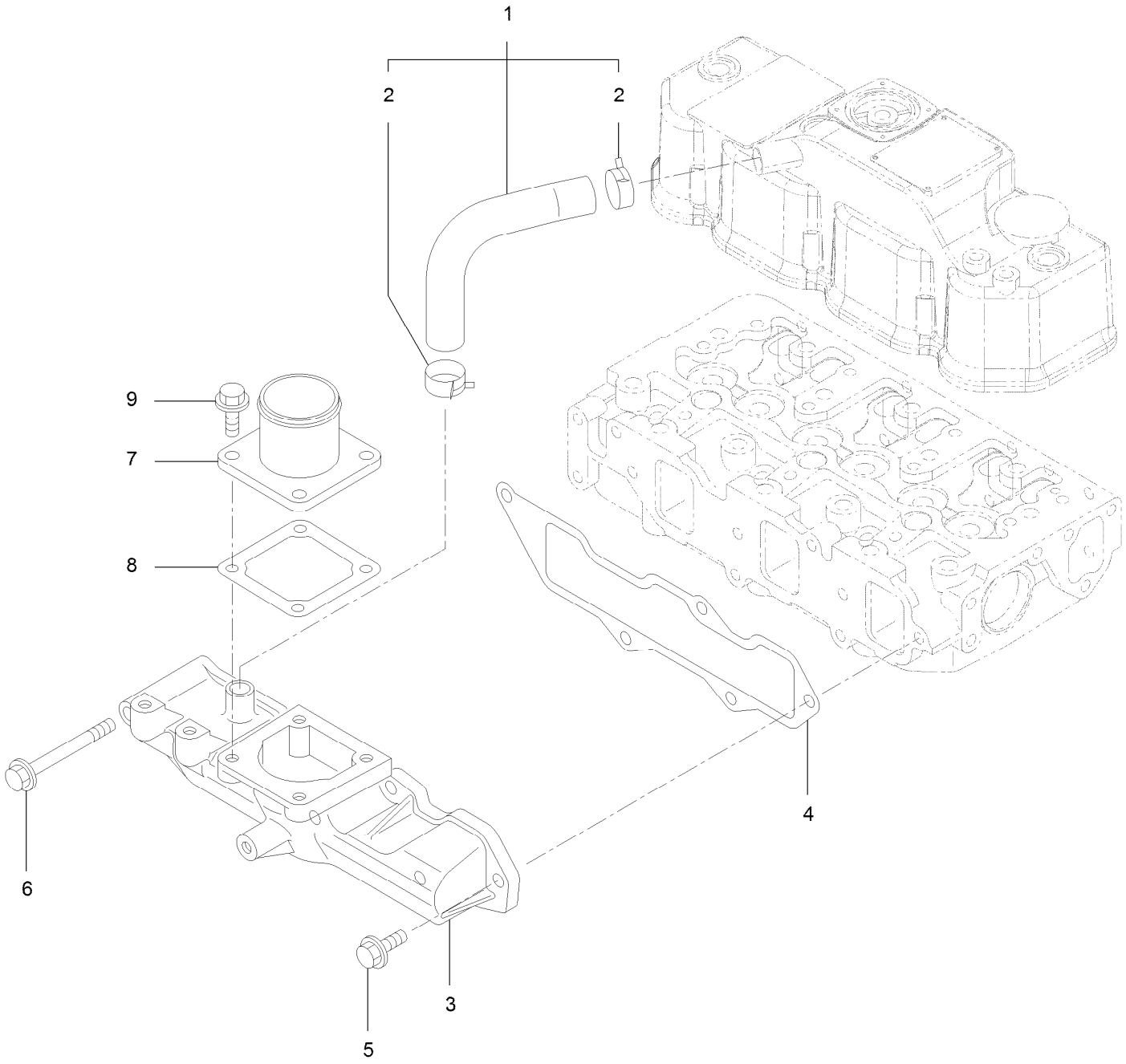
Cylinder Head Assembly



Cylinder Head Assembly (continued)

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

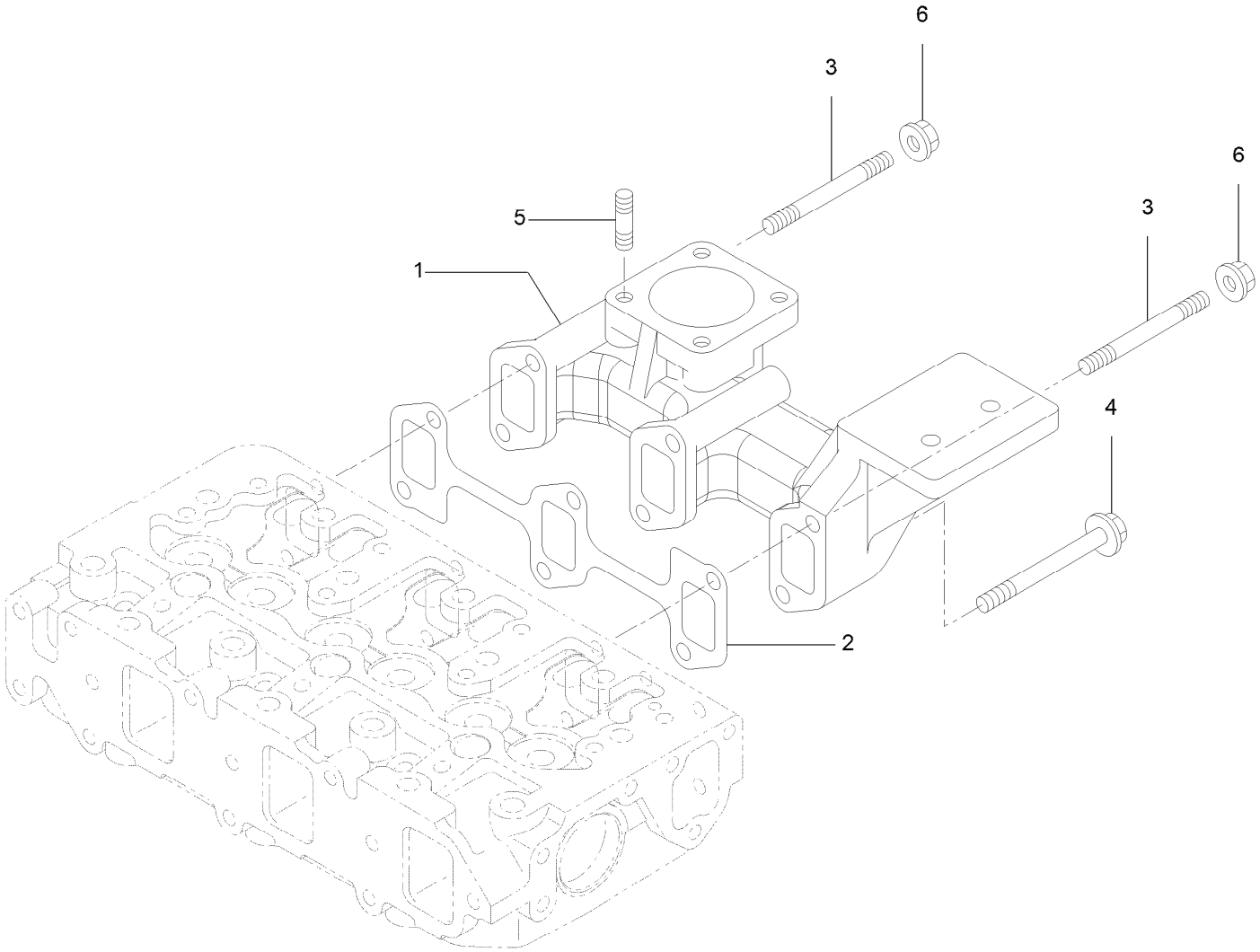
Suction Manifold Assembly



Suction Manifold Assembly (continued)

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

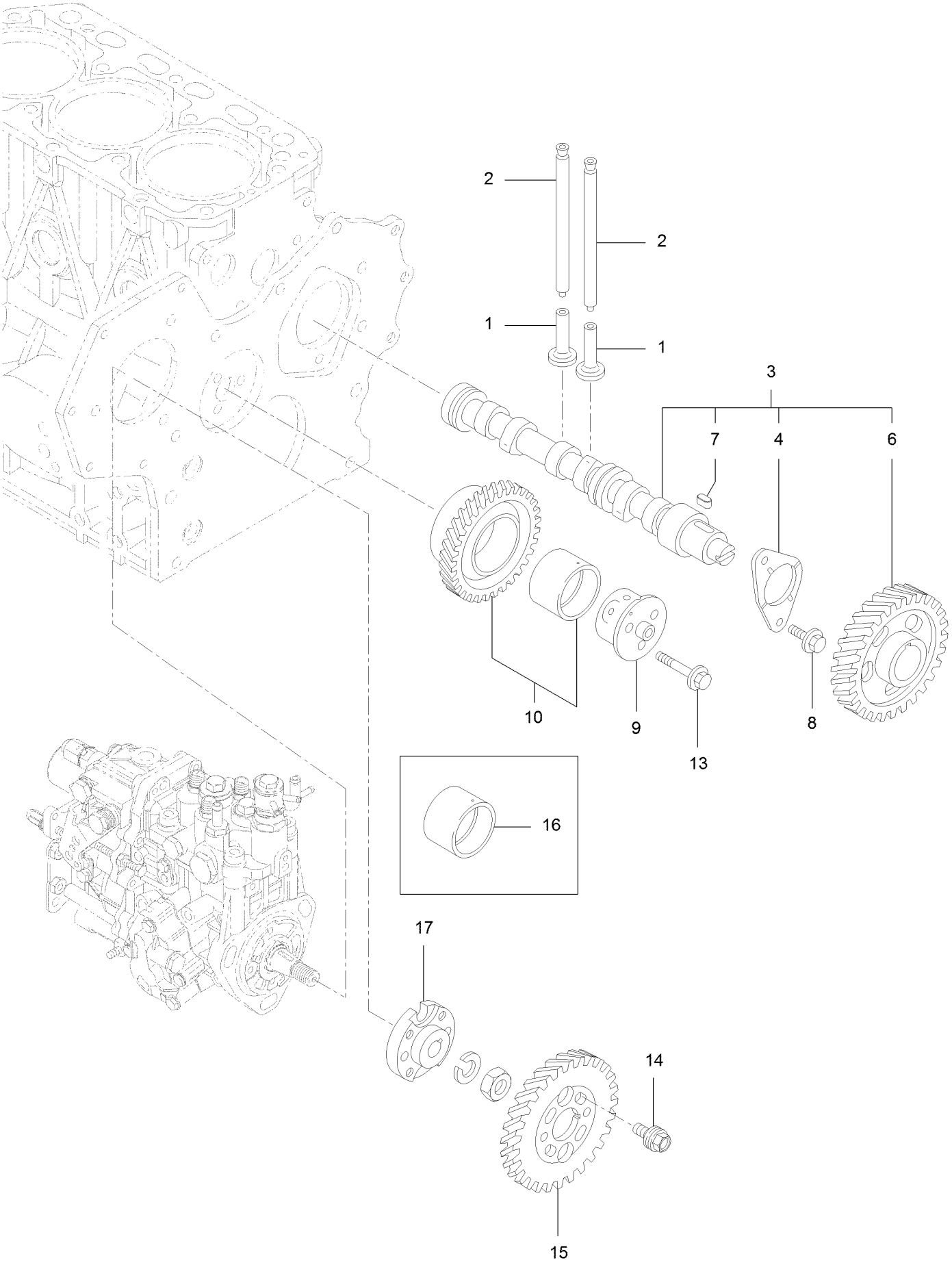
Exhaust Manifold Assembly



Exhaust Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
1	144-0595	1	Manifold, Exhaust
2	144-0596	1	Gasket, Manifold
3	144-0597	2	Stud, M8X80
4	144-0598	4	Bolt, M8X80 10.9T
5	125-6906	4	Stud
6	125-7229	2	Nut

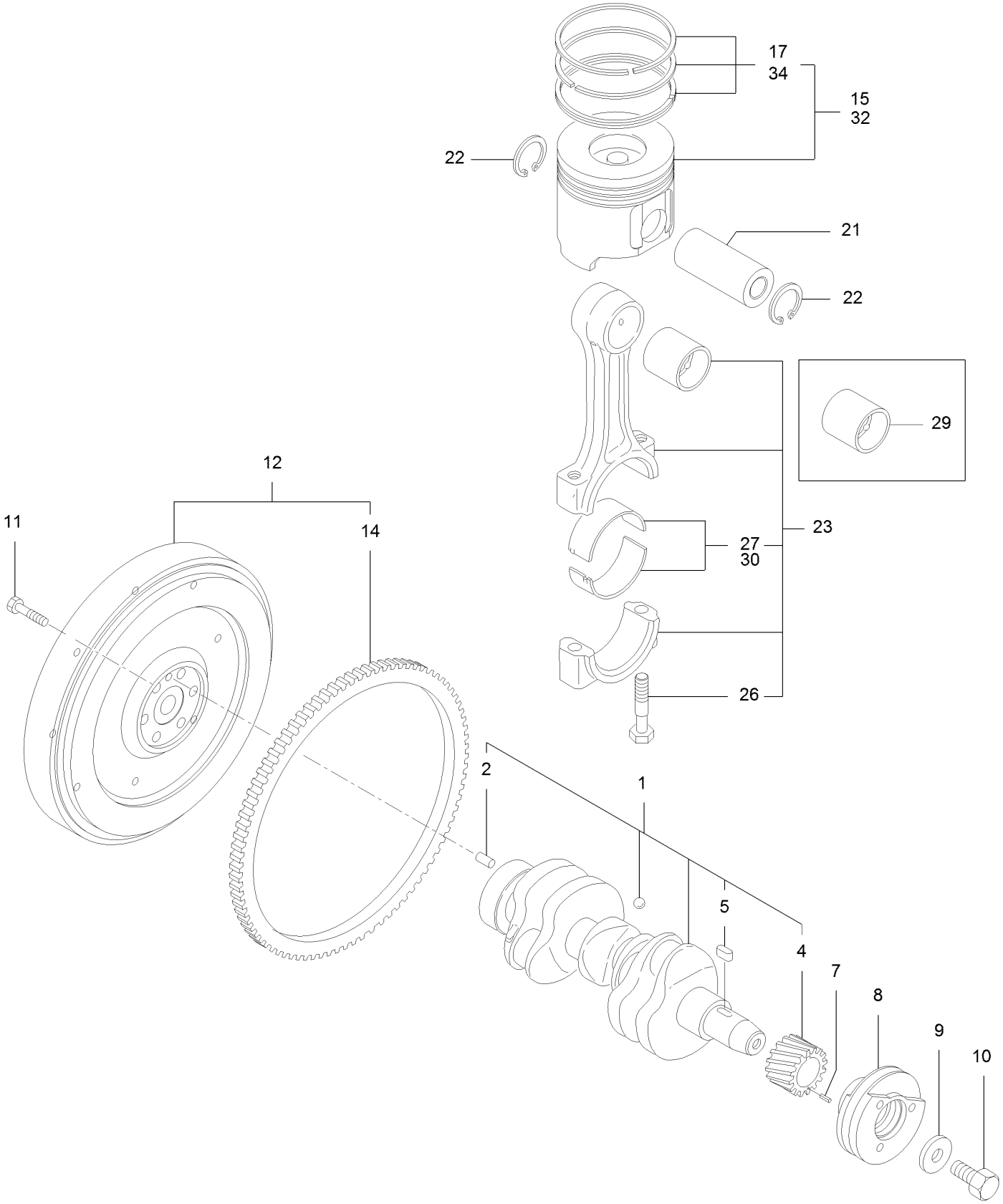
Camshaft Assembly



Camshaft Assembly (continued)

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

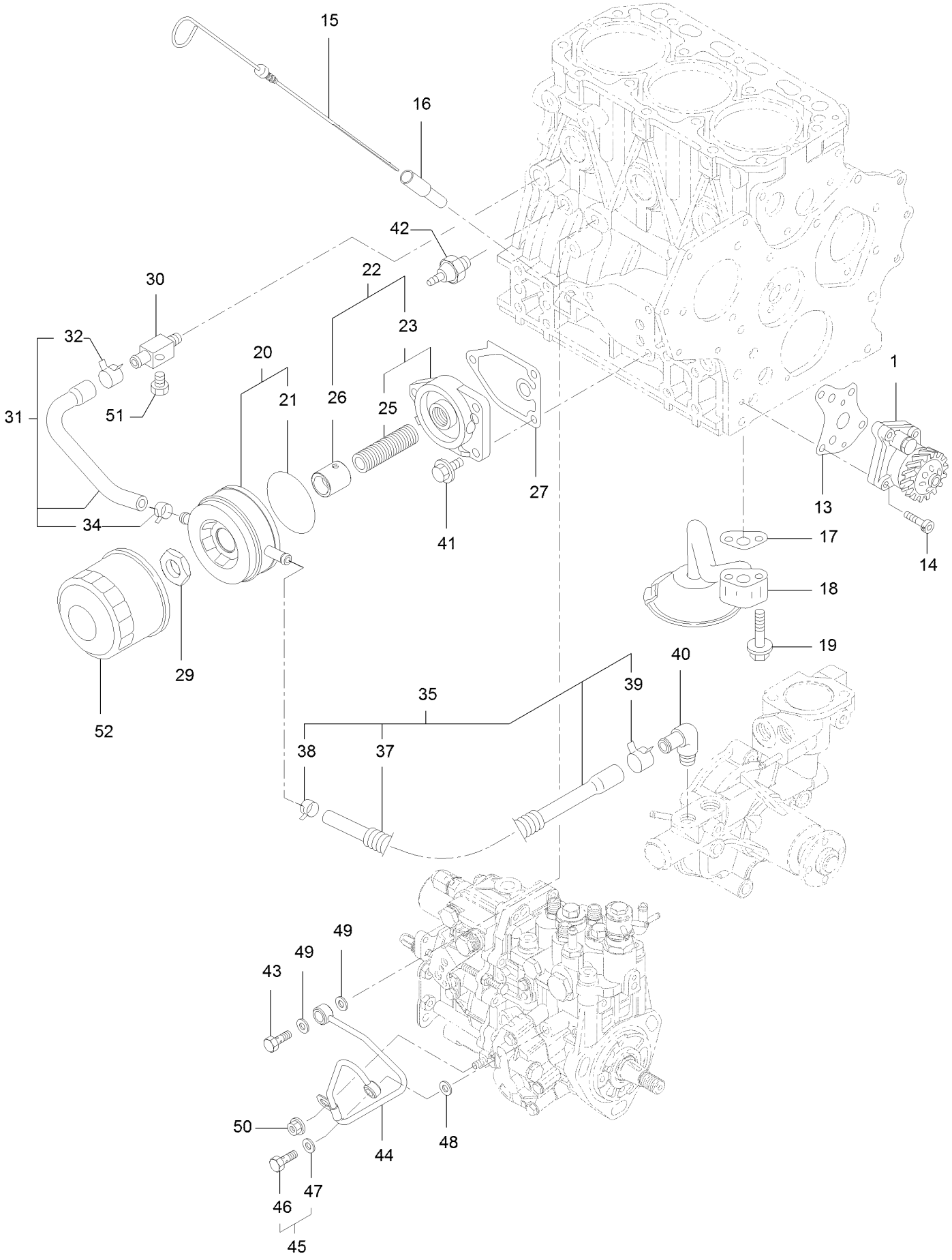
Crankshaft Assembly



Crankshaft Assembly (continued)

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

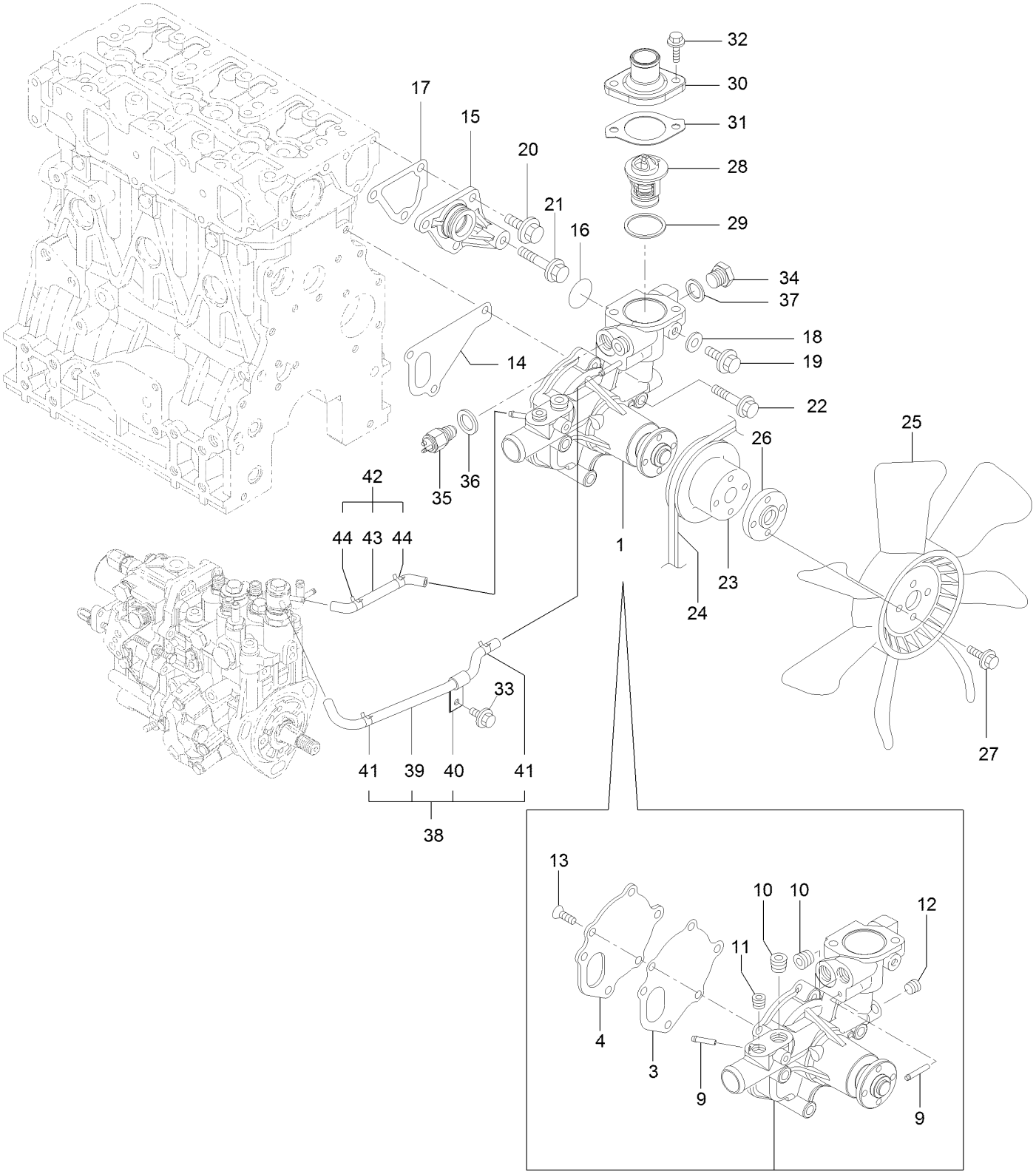
Oil Pump and Filter Assembly



Oil Pump and Filter Assembly (continued)

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

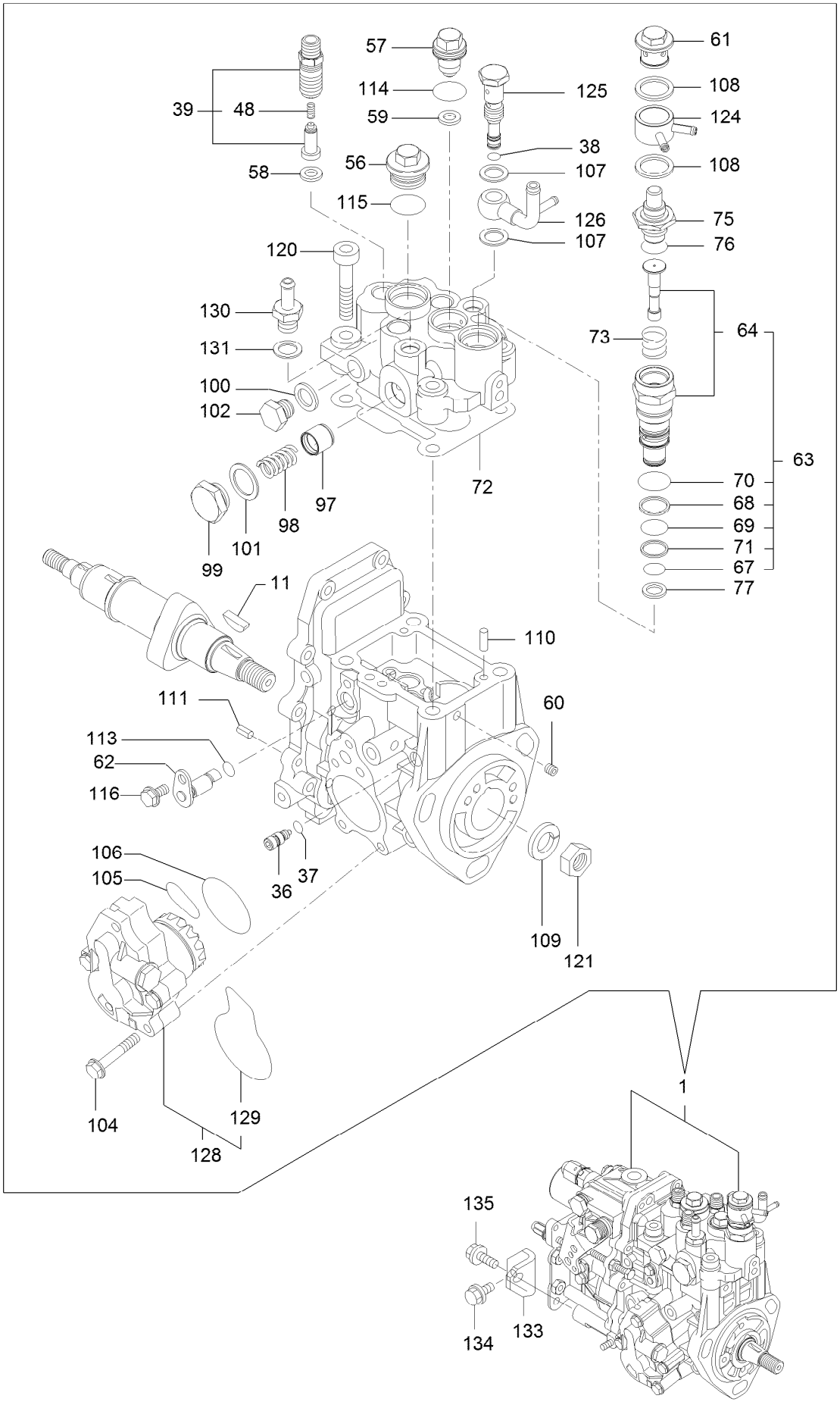
Water Pump and Fan Assembly



Water Pump and Fan Assembly (continued)

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

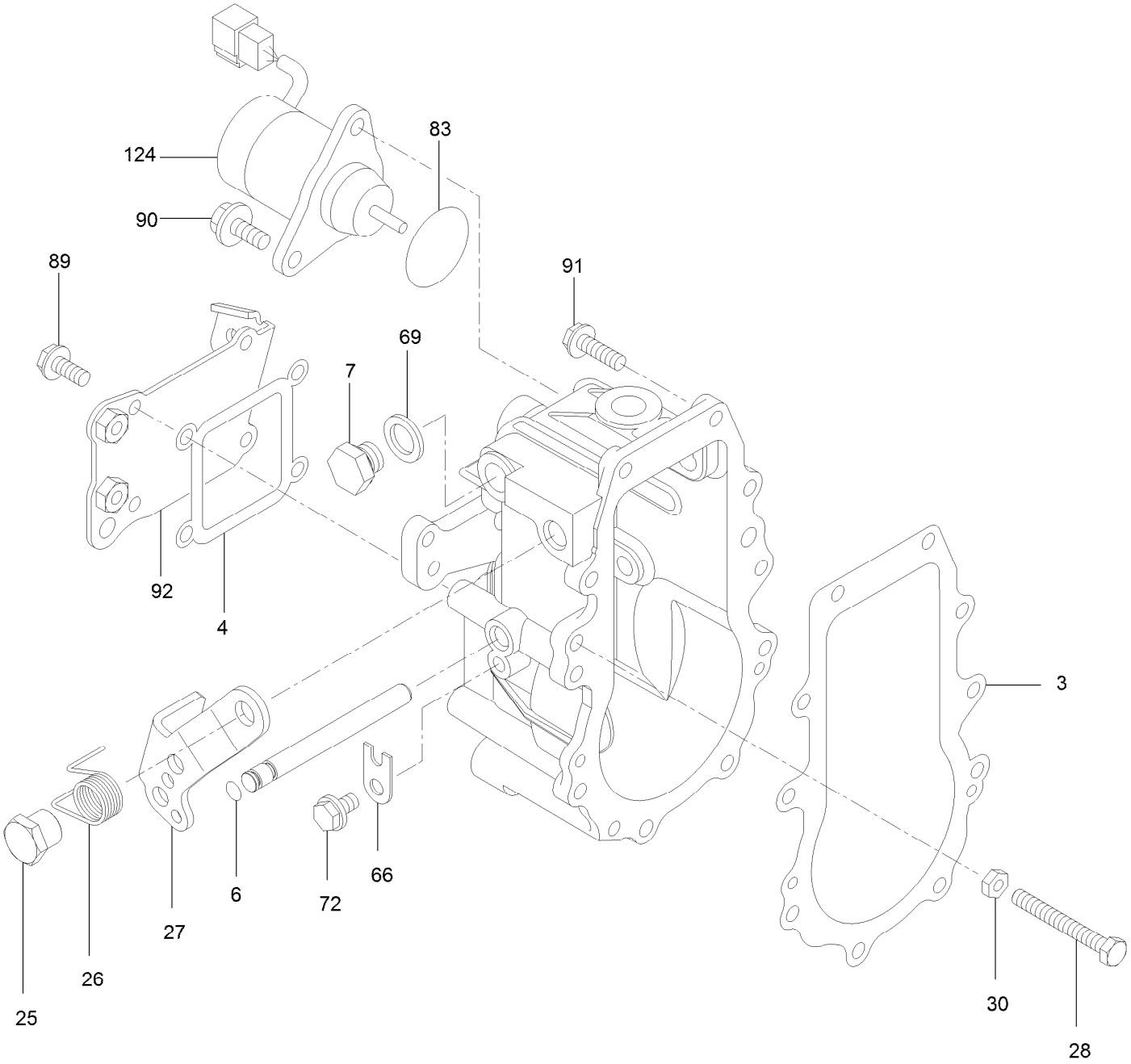
Fuel Injection Pump Assembly



Fuel Injection Pump Assembly (continued)

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

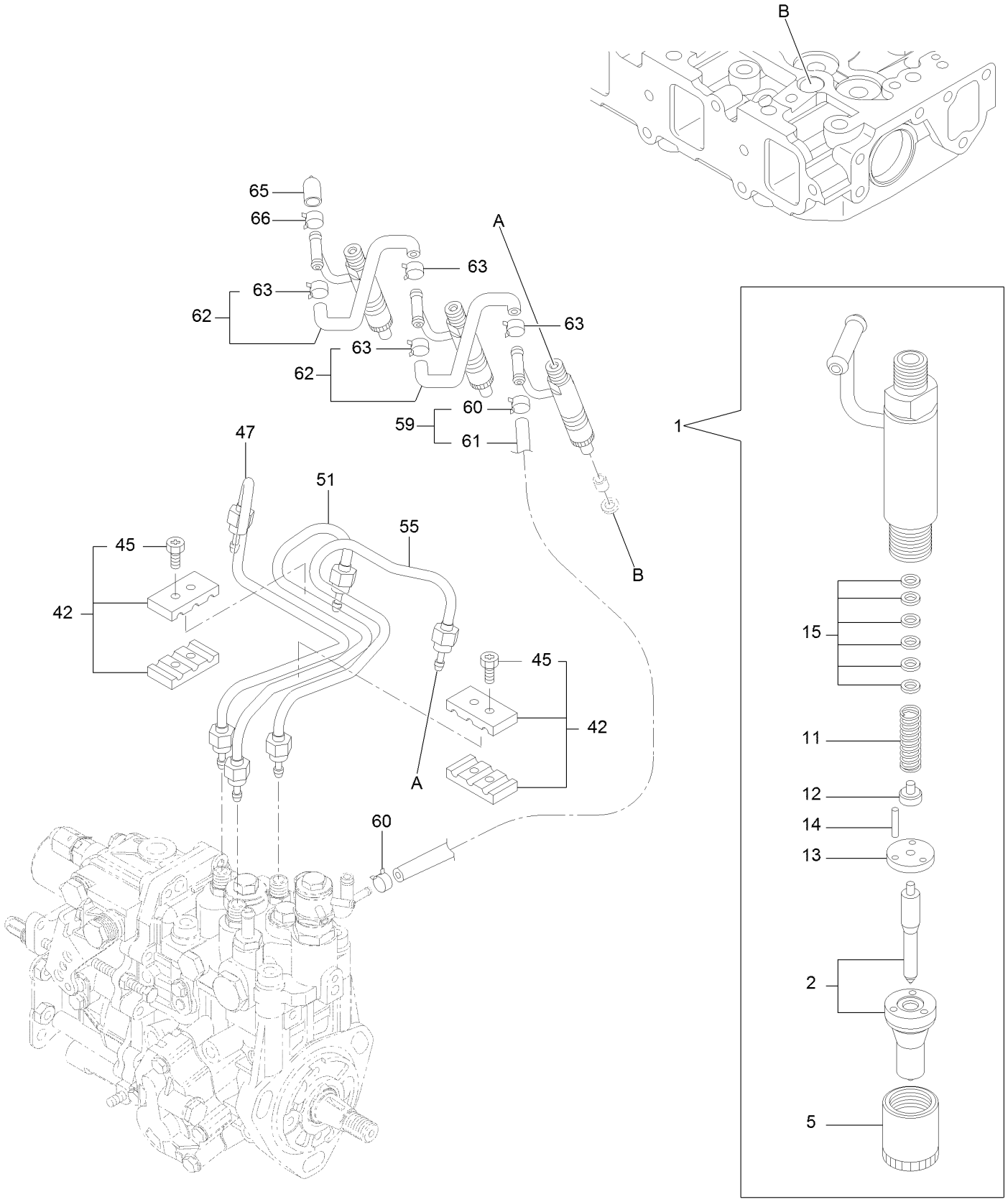
Governor Assembly



Governor Assembly (continued)

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

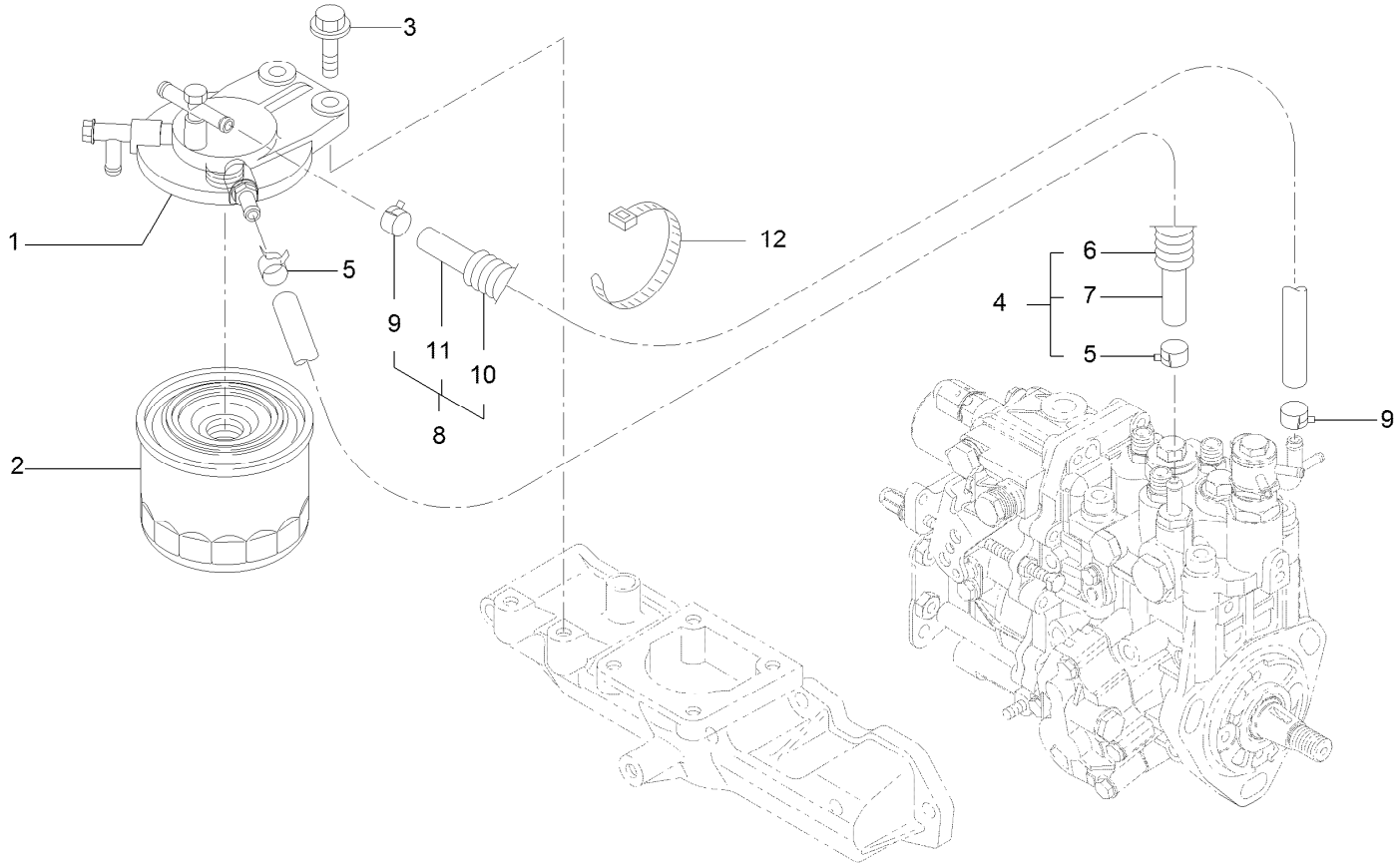
Fuel Injection Valve Assembly



Fuel Injection Valve Assembly (continued)

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

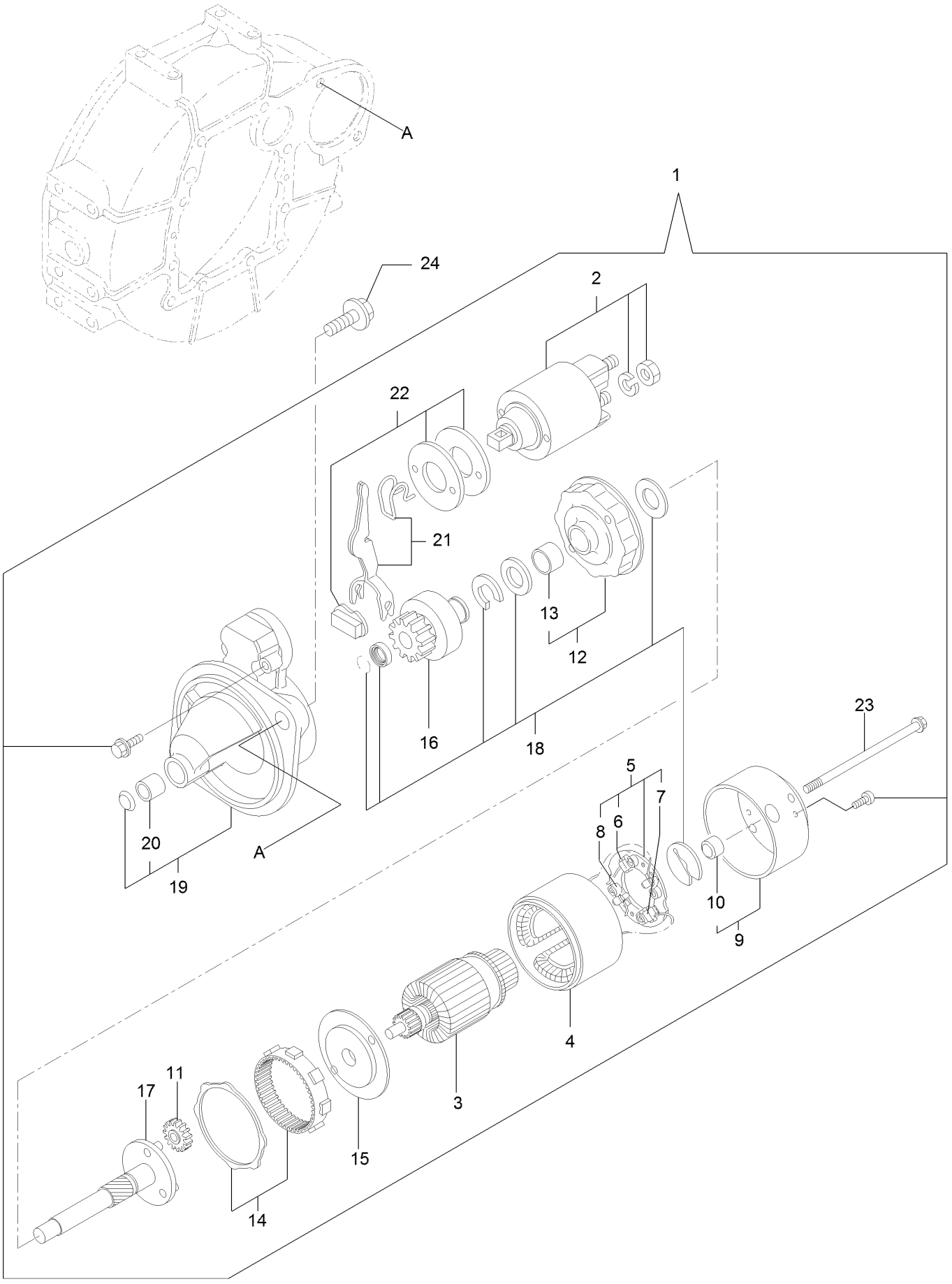
Fuel Filter Assembly



Fuel Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
1	144-0639	1	Bracket, Filter
2	144-0640	1	Filter, Fo
3	125-7216	2	Bolt
4	144-0641	1	Hose Assy, D13Xl220
5	140-7167	2	Clamp-Hose (11.5)
6	144-0642	1	Tube, Corrugated 15
7	144-0643	1	Hose, Fuel L=220
8	144-0644	1	Hose Assy, Fuel
9	140-7167	2	Clamp-Hose (11.5)
10	144-0645	1	Tube, Corrugated 15
11	144-0646	1	Hose, Fuel
12	127-2981	1	Band

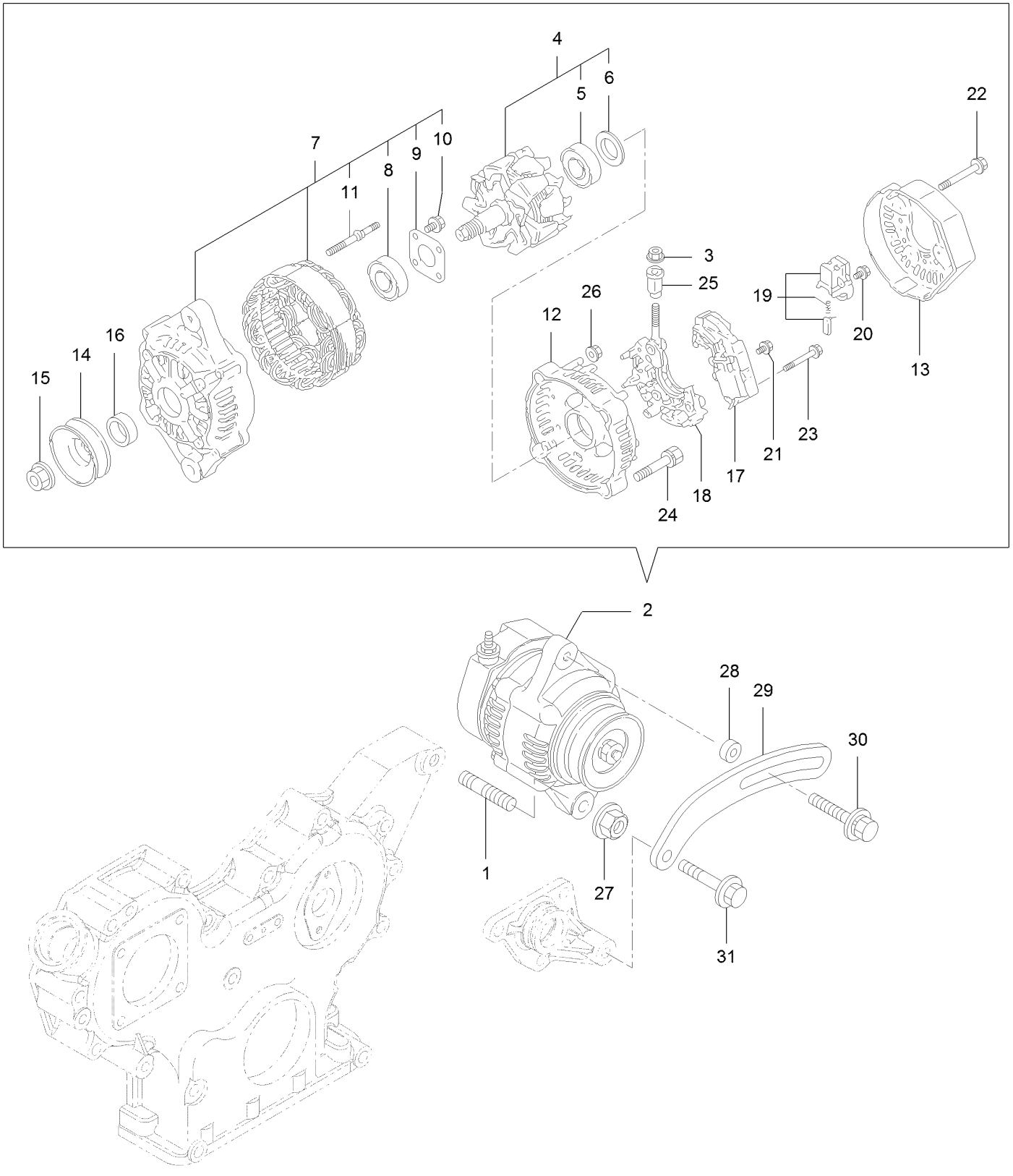
Starting Motor Assembly



Starting Motor Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

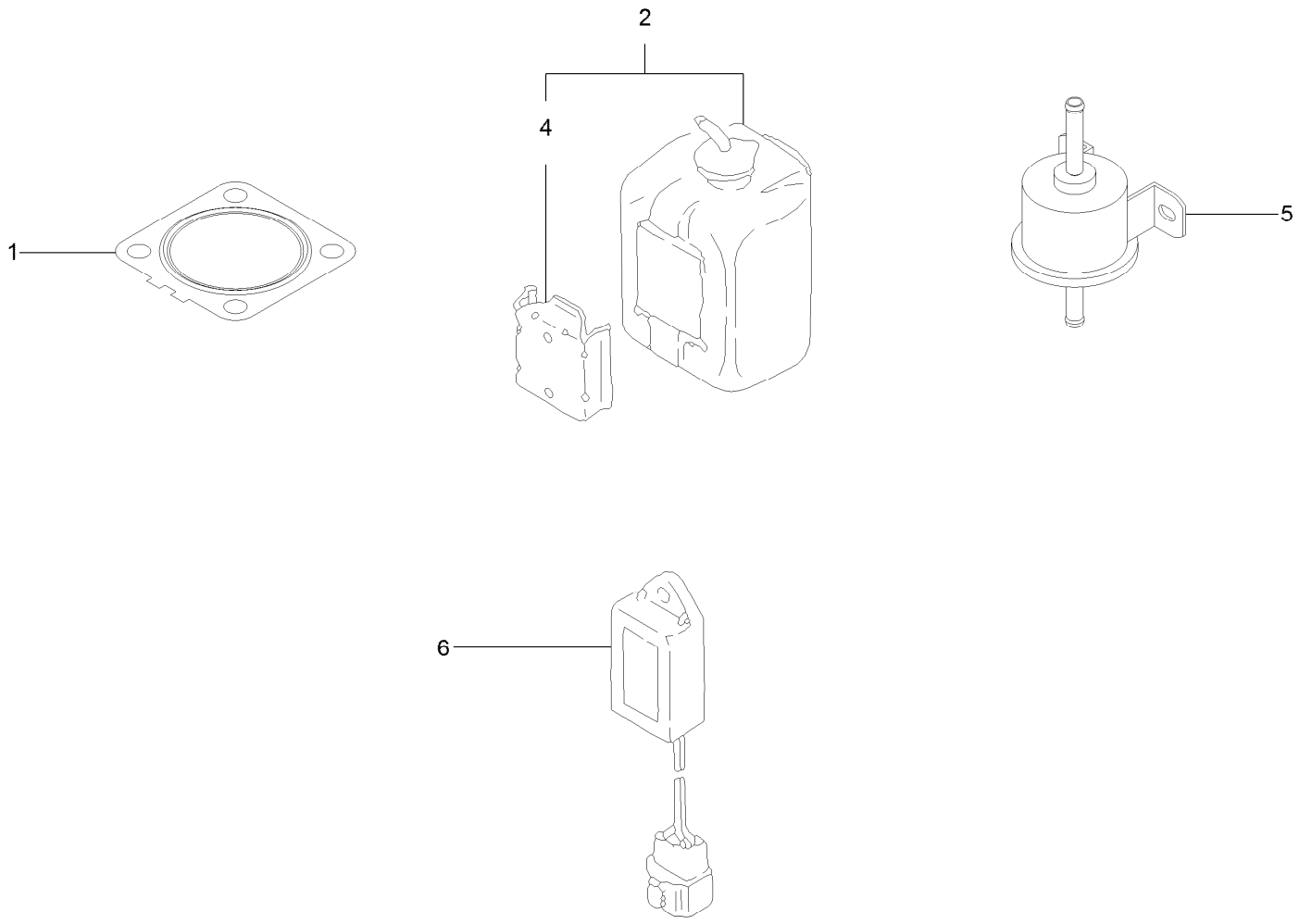
Generator Assembly



Generator Assembly (continued)

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

Accessories Assembly



Accessories Assembly (continued)

Ref.	Part Number	Qty.	Description
1	144-0649	1	Gasket, Silencer
2	140-7185	1	Tank ASM
4	140-7165	1	Bracket-Tank
5	121-5613	1	Pump-Fuel, Electric
6	134-1507	1	Timer

Attachments and Accessories

For 31907 Groundsmaster 3300 All-Wheel Drive Traction Unit

Product Name	Model/Part
Operator Cooling Fan	03247
Switch Panel-Universal Sunshade	03248
Filter-Air	108-3810
Paint-Black Bottle	112-0176
Paint-Red Pen	112-0177
Paint-Red Bottle	112-0178
15-Pound Cast Weight	112-7059-01
5in Air Cleaner Safety Element	114-4057
42-Pound Weight	114-4096
Seat Cover (W/arm rest)	117-0095
Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail)	119-2157
Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum)	119-2158
Fuel/Water Separator Filter	125-2915
Engine Oil Filter	125-7025
PX Hydraulic Fluid (5 Gal)	133-8086
PX Hydraulic Fluid (55 Gal)	133-8087
Beacon Kit	138-2699
Wrench-Caster Cap/Latch	138-6367
Storage Bag Kit	139-2020
SMV Kit	139-2339
Work Lights Kit, Groundsmaster and Reelmaster Traction Units with Universal Sunshade	140-1554
Power Harness Kit	140-1559
Filter-Fuel	144-0453
Kit-Weight	144-0480
Plate-Weight, 25 LBS	144-0484
Universal Wireless Hourmeter Kit	144-2436
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
White Universal Sunshade	30669
Red Universal Sunshade	30671
Slope Sensor Kit	31952
Auxiliary HYD Kit	31966
60in SD Deck	31970
60in RD Deck	31971
72in SD Deck	31972
72in RD Deck	31973

Attachments and Accessories (continued)

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
Seat Assembly - Mechanical Suspension 31981
Seat Assembly - Air Ride Suspension 31982
Storage Box Kit 31983
USB Charging Kit 31984
Cab-Winter, GM3000 Series 31990
Road Light Kit (North America) 31991
Accessory Control Kit 31994
LED Beacon Kit 31996
Led Work-light Kit (GM3200/3300, Rops) 31997
Hydraulic Hose Kit 31999
Toro Red 12oz Aerosol Can 361-10
Semi-Gloss Black Spray Paint 361-9
Filter-Oil, Transmission 86-3010
Boss Plow, 5ft Straight Blade MSC23345
Blade Crate (Snowplow), ATV Poly S STB13567B

Count on it.