



Form No. 3471-344 Rev A

Count on it.

Parts Catalog

Groundsmaster® 3300

All-Wheel Drive Traction Unit

Model No. 31907A—Serial No. 418200000 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.

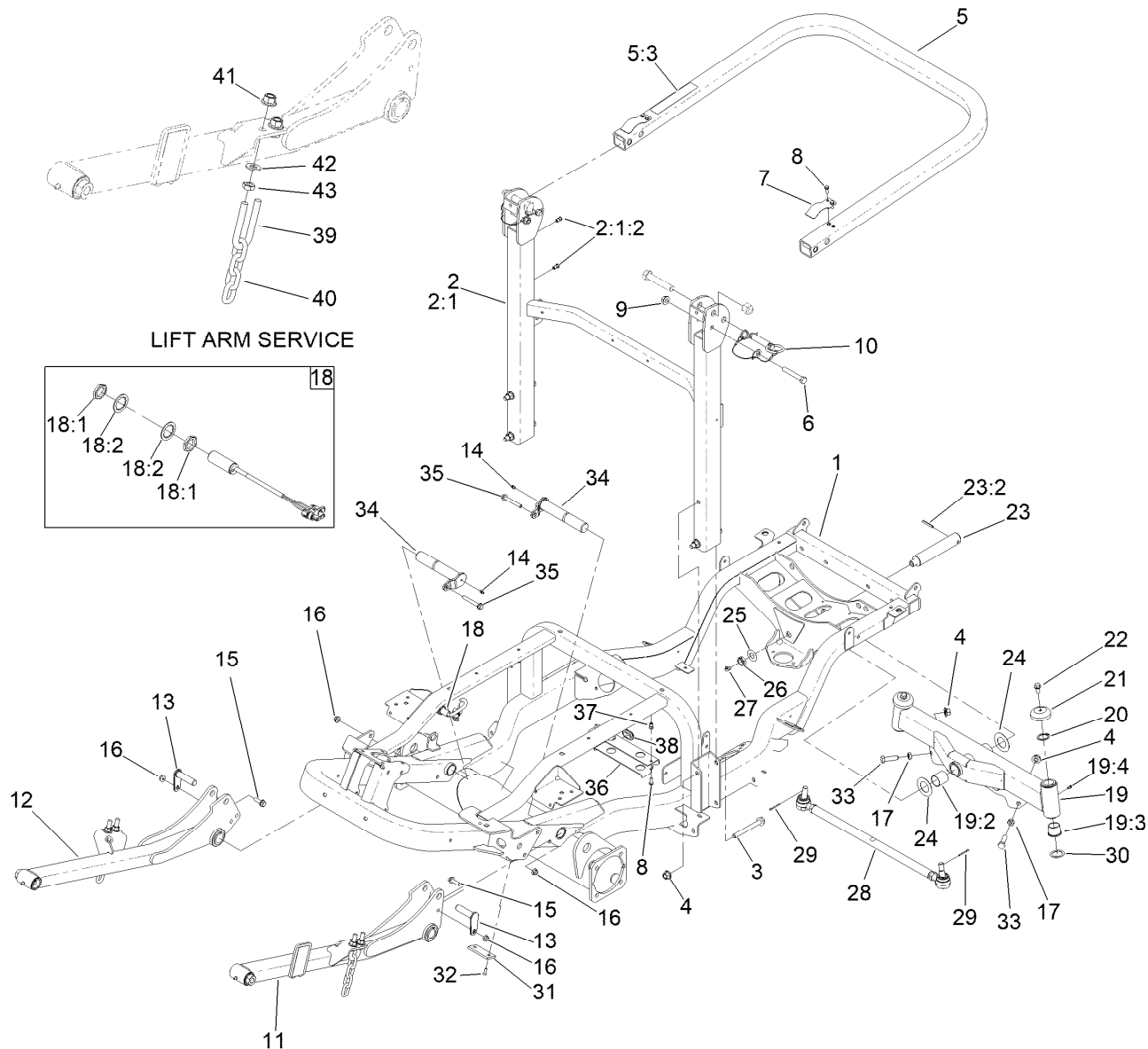
Reference Numbers Indicating Quantity

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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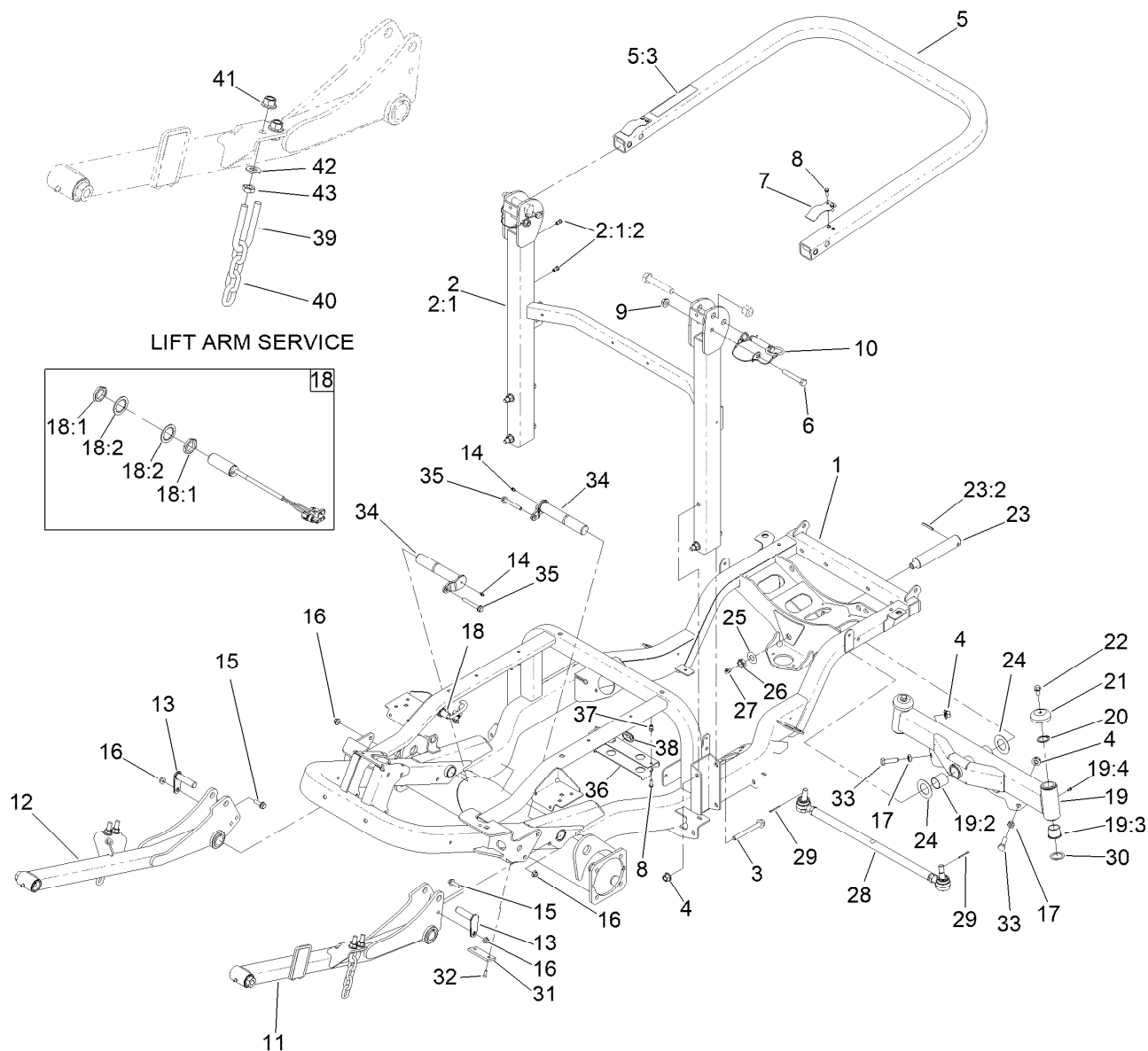


Frame and Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	145-6050SP	1	Frame ASM
2	139-6254SP	1	ROPS ASM, Lower
2:1		1	ROPS ASM, Lower ●
2:1:2	138-2758	4	Nut-Clinch, Hex
3	117-3176	4	Screw-HHF
4	99-5107	6	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	6	Screw-HWH
9	32128-23	2	Nut-HF
10	161-4477	2	Pin-ROPS, ASM
11	144-3943	1	Lift Arm ASM. LH
12	144-3942	1	Lift Arm ASM. RH
13	138-7489	2	Pin (Machined)
14	302-40	2	Fitting-Grease, 90 DEG
15	119-4061	2	Screw-HHF

Ref.	Part Number	Qty.	Description
16	104-8301	4	Nut-HF, NI
17	3218-5	2	Nut-Jam
18	115-5300	1	Proximity Switch ASM
18:1	117-3207	2	Nut-Hex
18:2	117-3208	2	Washer-Lock, Internal Tooth
19	138-4588	1	Axle ASM
19:2	99-6964	2	Bushing-Axle
19:3	104-0015	4	Bushing-Flange
19:4	302-5	2	Fitting-Grease
20	32151-77	2	Ring-Retaining, External
21	69-8890	2	Cap-Spindle
22	3234-1	2	Screw-HHF
23	140-6101	1	Pin ASM-Axle Pivot
23:2	32121-32	1	Pin-Roll
24	99-8432	2	Washer-Thrust
25	71-4540	1	Washer-Thrust
26	3296-15	1	Nut-Lock, NI
27	302-33	1	Fitting-Grease

● Not serviced separately



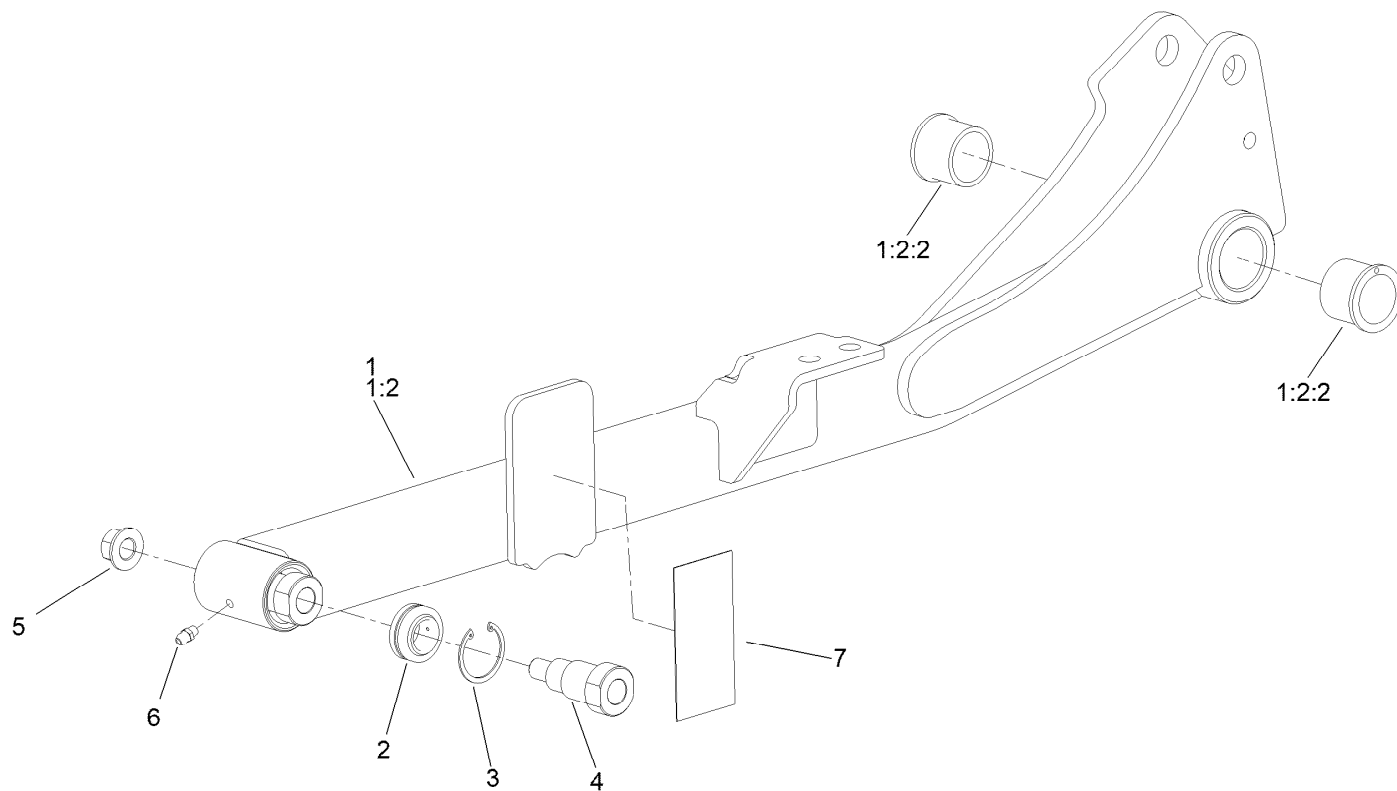
Frame and Roll-Over Protection System Assembly (continued)

Ref.	Part Number	Qty.	Description
28	144-3900	1	Tie Rod ASM
29	3272-12	2	Pin-Cotter
30	76-2980	2	Washer-Thrust
31	138-4452	2	Pad-Stop, Deck
32	3289-4	4	Screw-FH
33	325-7	2	Screw-HH
34	138-4593	2	Pin
35	133-9682	2	Screw-Hfh

Ref.	Part Number	Qty.	Description
36	147-0045-0P	1	Channel-Harness Retainer
37	138-2758	2	Nut-Clinch, Hex
38	240-5	1	Grommet
39	104-0108	2	U-Bolt
40	95-6231	2	Chain-HOC
41	99-5107	4	Nut-Lock
42	3256-26	4	Washer-Flat
43	3218-5	4	Nut-Jam

● Not serviced separately

LH Lift Arm Assembly No. 144-3943



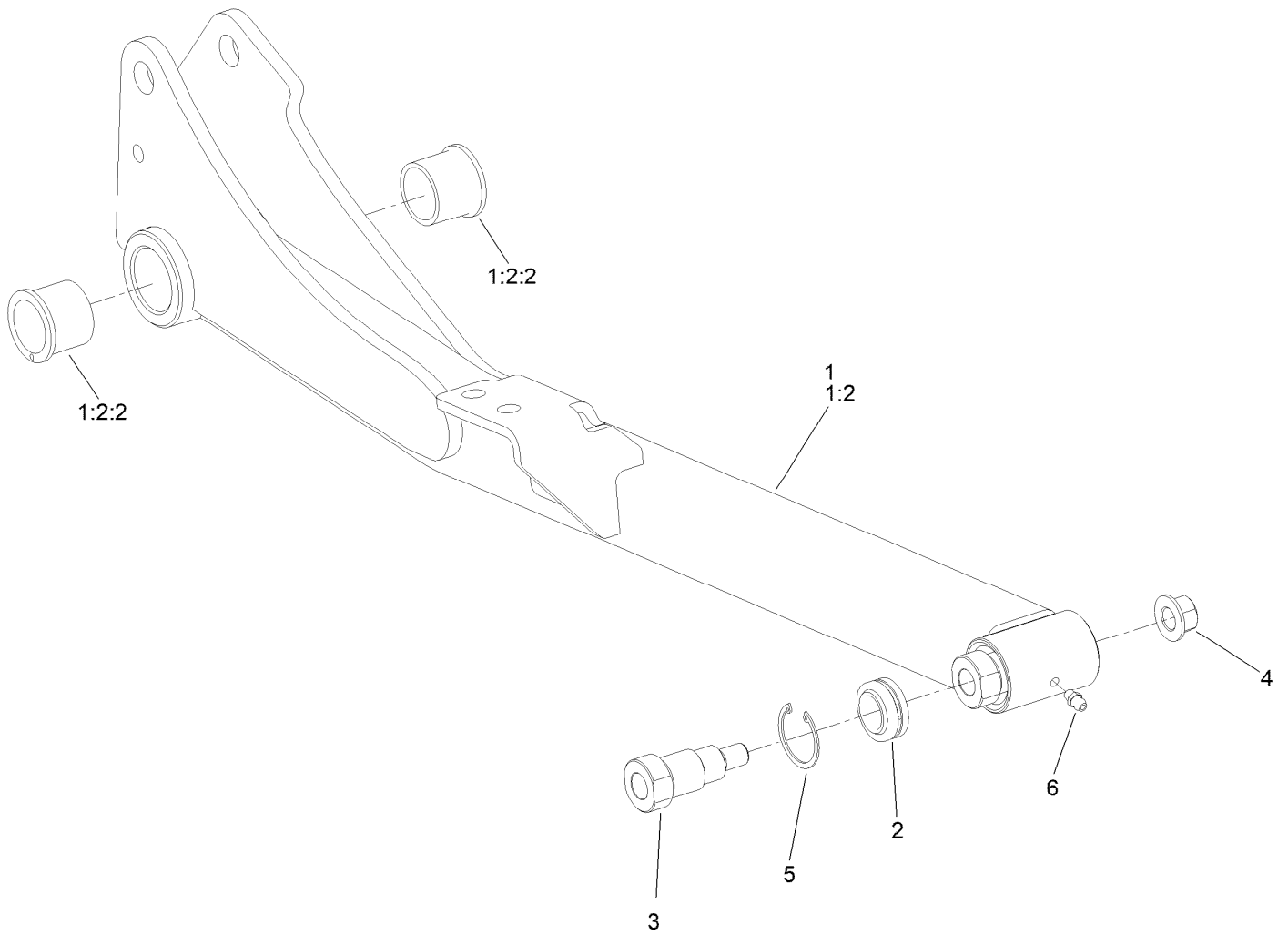
LH Lift Arm Assembly No. 144-3943 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Lift Arm ASM, LH ●
1:2		1	Hub-ASM ●
1:2:2	104-0015	2	Bushing-Flange
2	105-7441	1	Bearing-Spherical
3	32151-34	1	Ring-Retaining

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	139-0910	1	Bolt-Shoulder
5	99-5107	1	Nut-Lock
6	302-5	1	Fitting-Grease
7	139-0948	1	Pad-Ride, Pin

● Not serviced separately

RH Lift Arm Assembly No. 144-3942

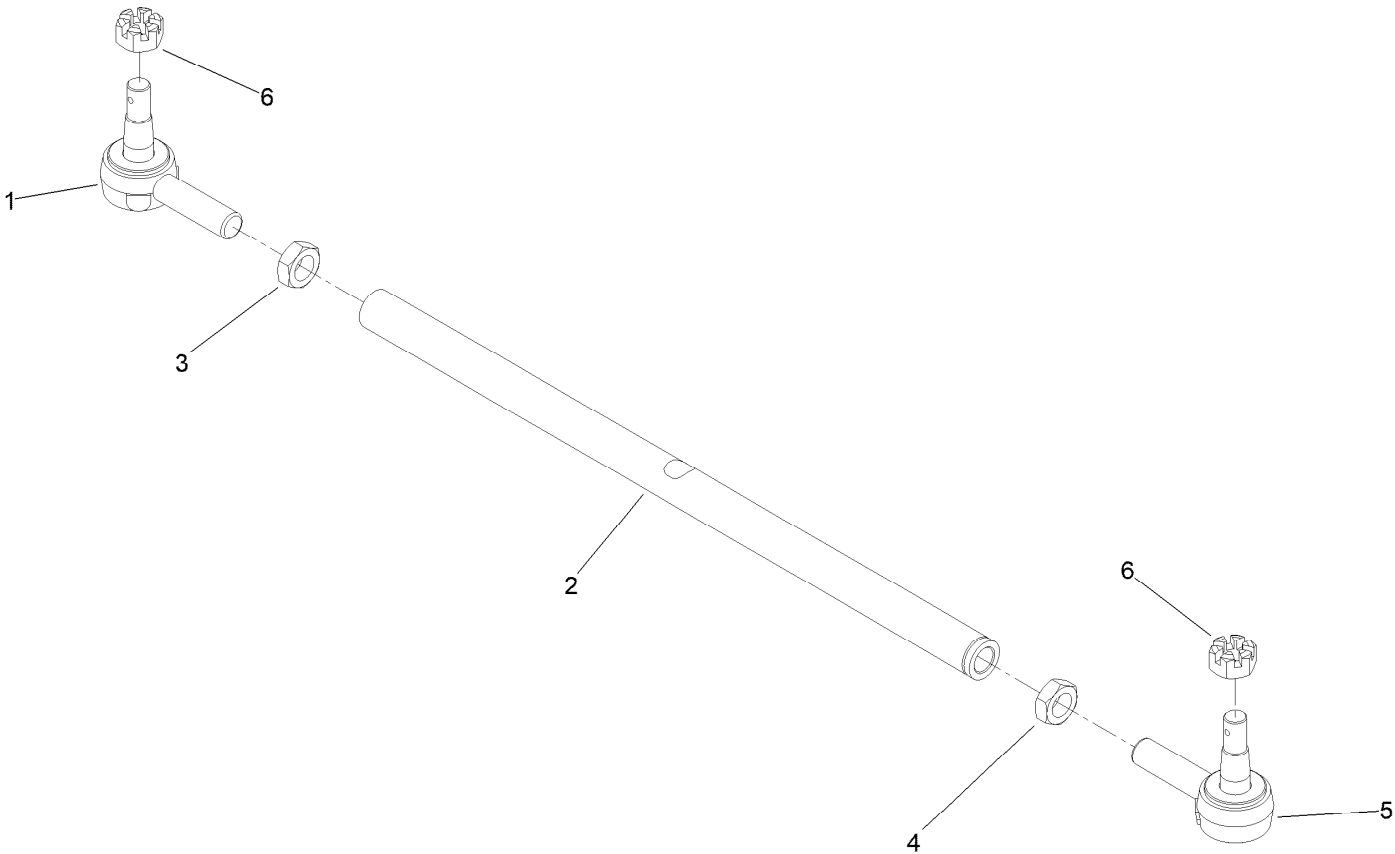


RH Lift Arm Assembly No. 144-3942 (continued)

<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		1	Lift Arm ASM, RH ●	3	139-0910	1	Bolt-Shoulder
1:2		1	Hub-ASM ●	4	99-5107	1	Nut-Lock
1:2:2	104-0015	2	Bushing-Flange	5	32151-34	1	Ring-Retaining
2	105-7441	1	Bearing-Spherical	6	302-5	1	Fitting-Grease

● Not serviced separately

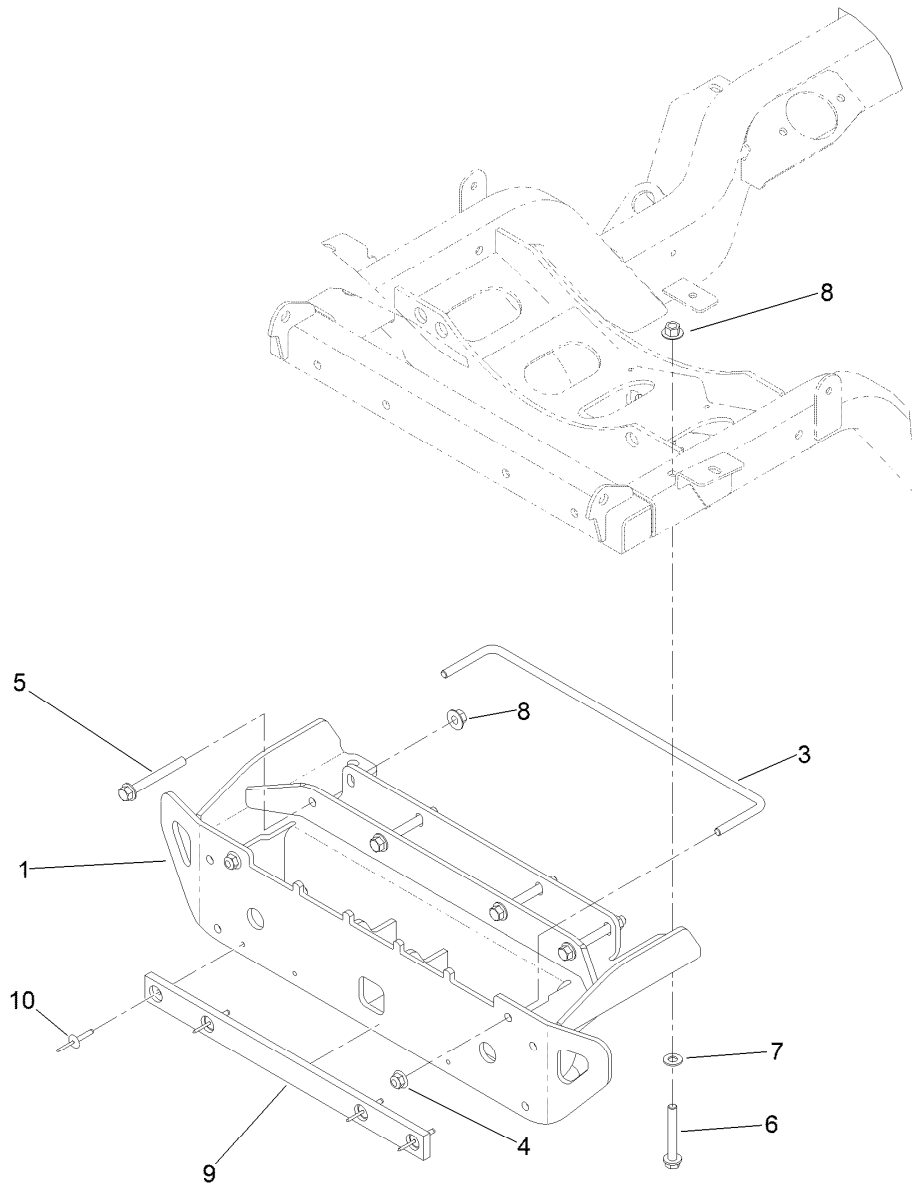
Tie Rod Assembly No. 144-3900



Tie Rod Assembly No. 144-3900 (continued)

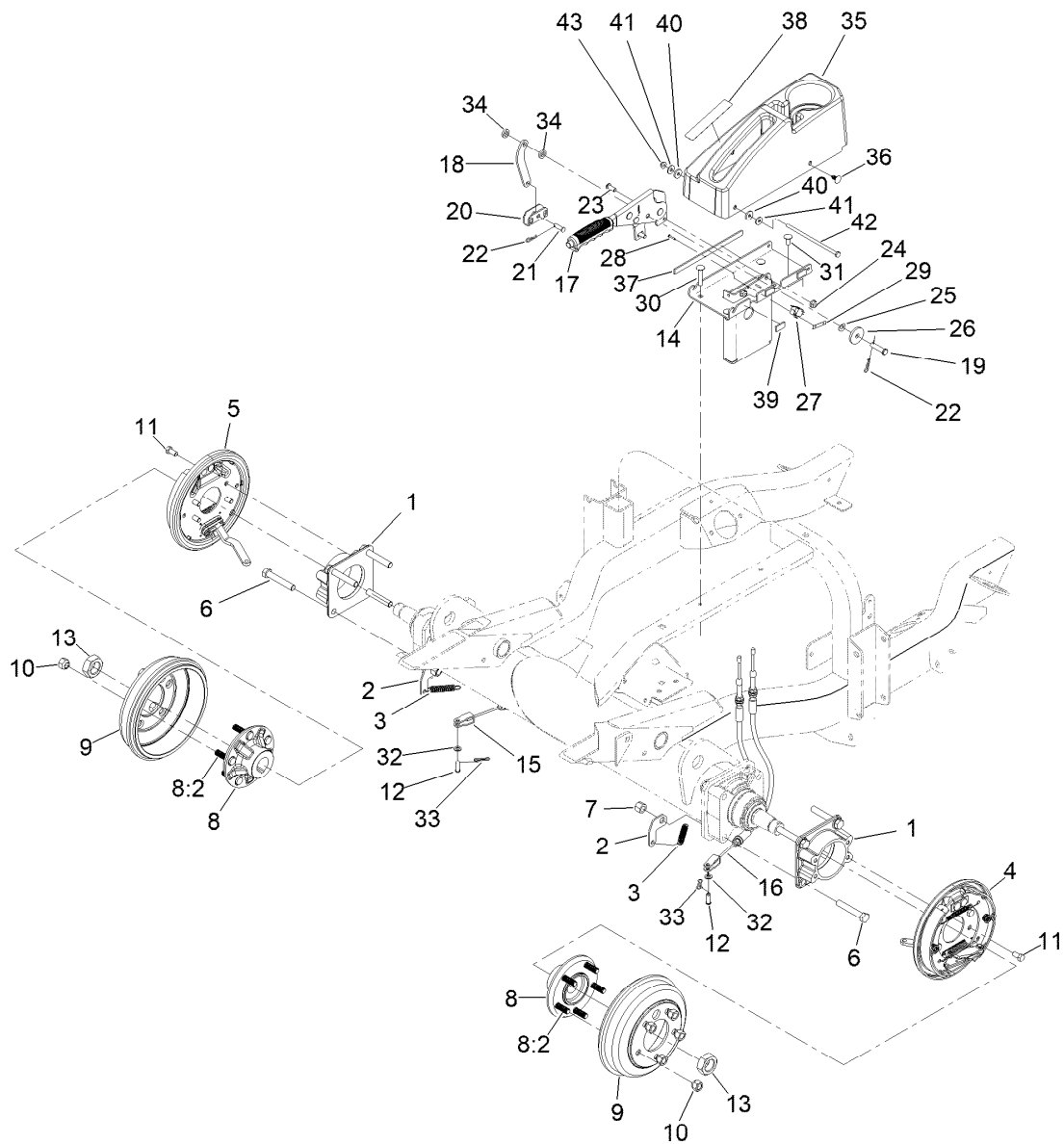
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-3901	1	Tie Rod End
2	133-6463	1	Tie-Rod
3	84-5300	1	Nut-Jam

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	110-5337	1	Nut-Jam
5	144-3902	1	Tie Rod End
6	140-6135	2	Nut-Hex, Slotted



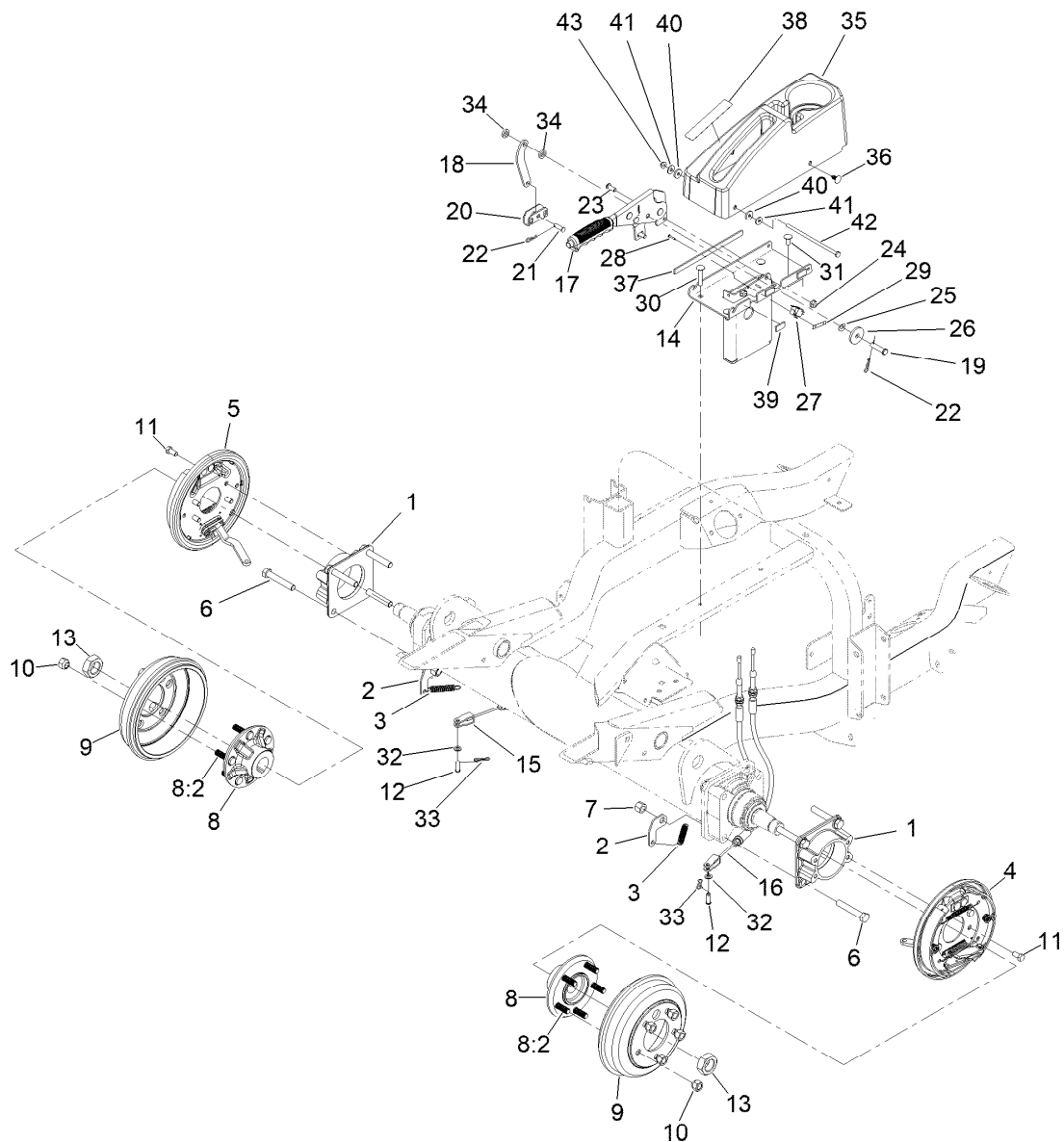
Rear Bumper Assembly

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



Brake Assembly

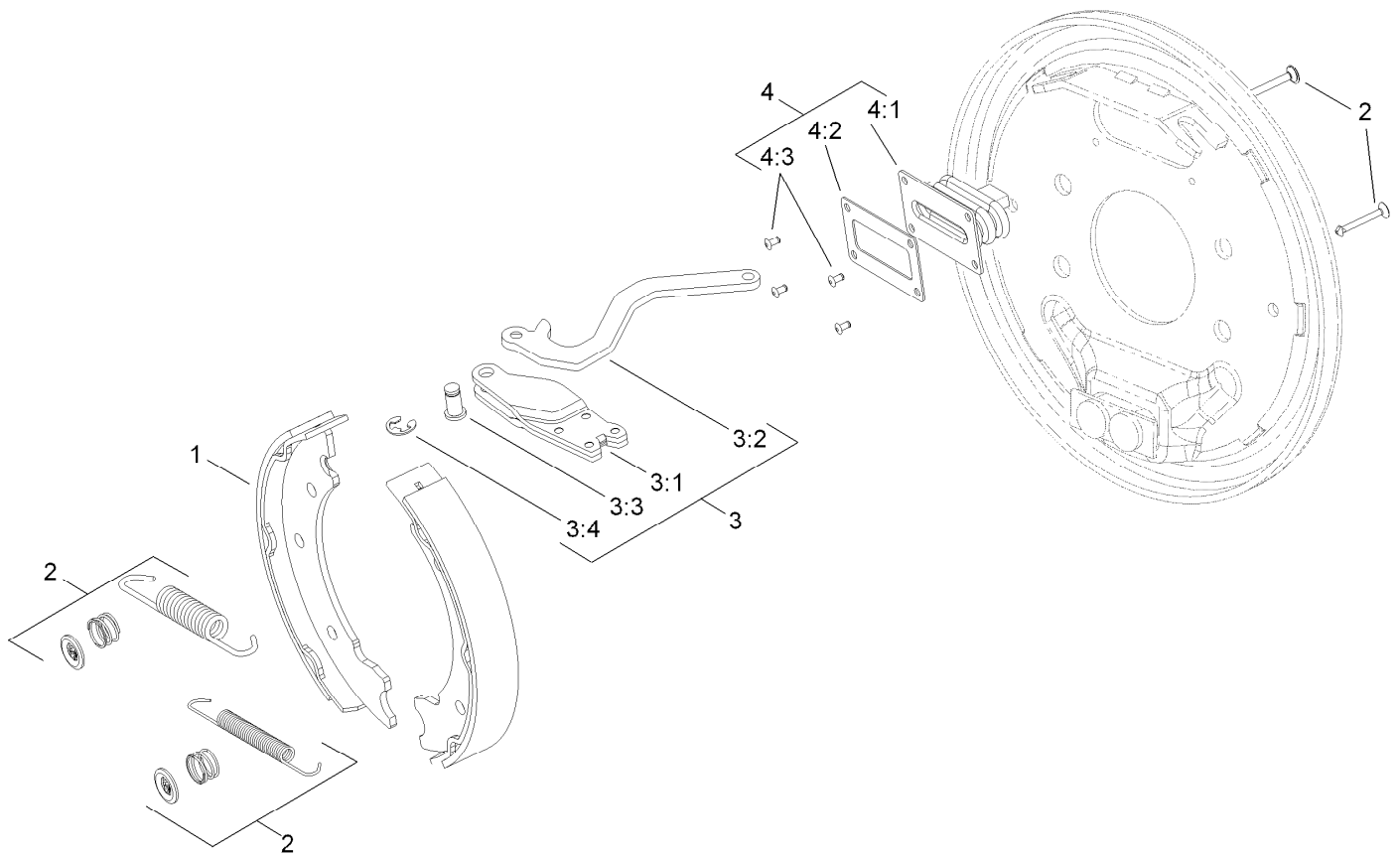
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	147-3594	2	Adapter-Brake	20	87-3480	1	Bracket-Equalizer, Cable
2	138-4499	2	Clip-Spring	21	1-808280	1	Pin-Clevis
3	137-2591	2	Spring-Extension	22	1-806003	2	Pin-Cotter
4	120-0235	1	LH Brake ASM	23	3274-55	2	Screw-HSBH
5	120-0233	1	RH Brake ASM	24	104-8300	6	Nut-HF, NI
6	325-12	8	Screw-HH	25	121-4605	1	Washer-Spring
7	3296-23	8	Nut-Lock, NI	26	131-8496	1	Washer-Plain
8	137-2470	2	Hub ASM	27	108-6496	1	Switch (W/Boot)
8:2	114-3918	5	Stud-Wheel	28	95-3003	2	Screw-PPHTF
9	114-8864	2	Drum-Brake	29	3290-354	1	Nut-Speed
10	139-2564	10	Nut-Lug	30	116-0629	2	Screw-CARR
11	323-4	8	Screw-HH	31	3230-23	2	Bolt-CARR
12	283-58	2	Pin-Clevis	32	3256-74	2	Washer-Flat
13	107-9319	2	Nut-Hex	33	119-1415	2	Pin-Cotter, Locking
14	147-0064-0P	1	Parking Brake Mount [primed]	34	3-3287	2	Spacer
15	137-2640	1	Cable-Brake, Adjustable RH	35	138-7475	1	Cover-Brake, Parking
16	137-2641	1	Cable-Brake, Adjustable LH	36	117-2382	2	Plug-Plastic
17	131-8320	1	Lever-Brake, Park	37	132-7282	1	Strip-Foam
18	144-0516	1	Link-Park, Brake	38	139-6224	1	Decal-Brake, Parking
19	283-10	1	Pin-Clevis	39	115-5417	3	Strip-Foam
				40	144-0499	2	Washer-Epdm



Brake Assembly (continued)

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

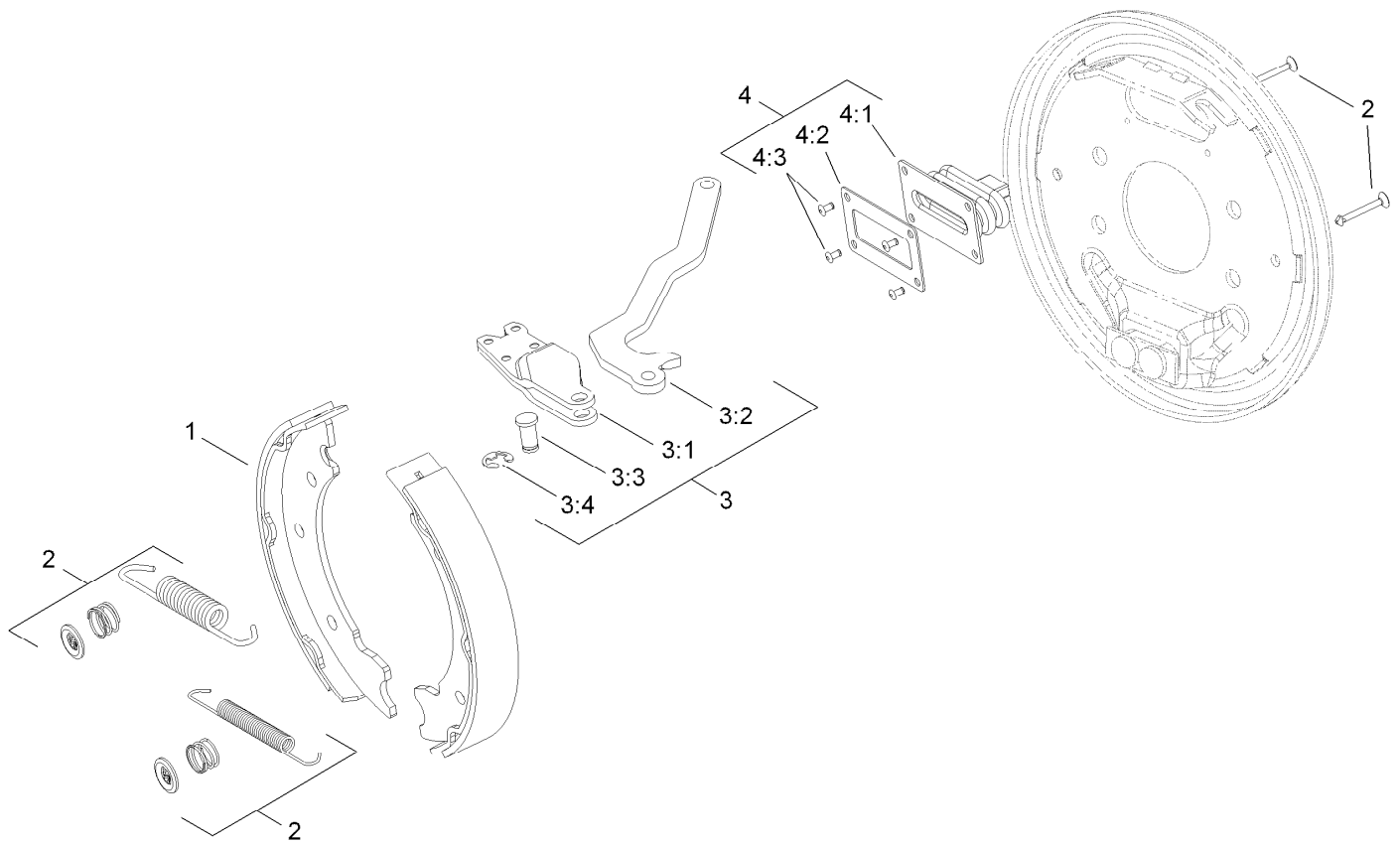
Ref.	Part Number	Qty.	Description
42	321-21	1	Screw-HH
43	104-7201	1	Nut-HF, NI



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 ●

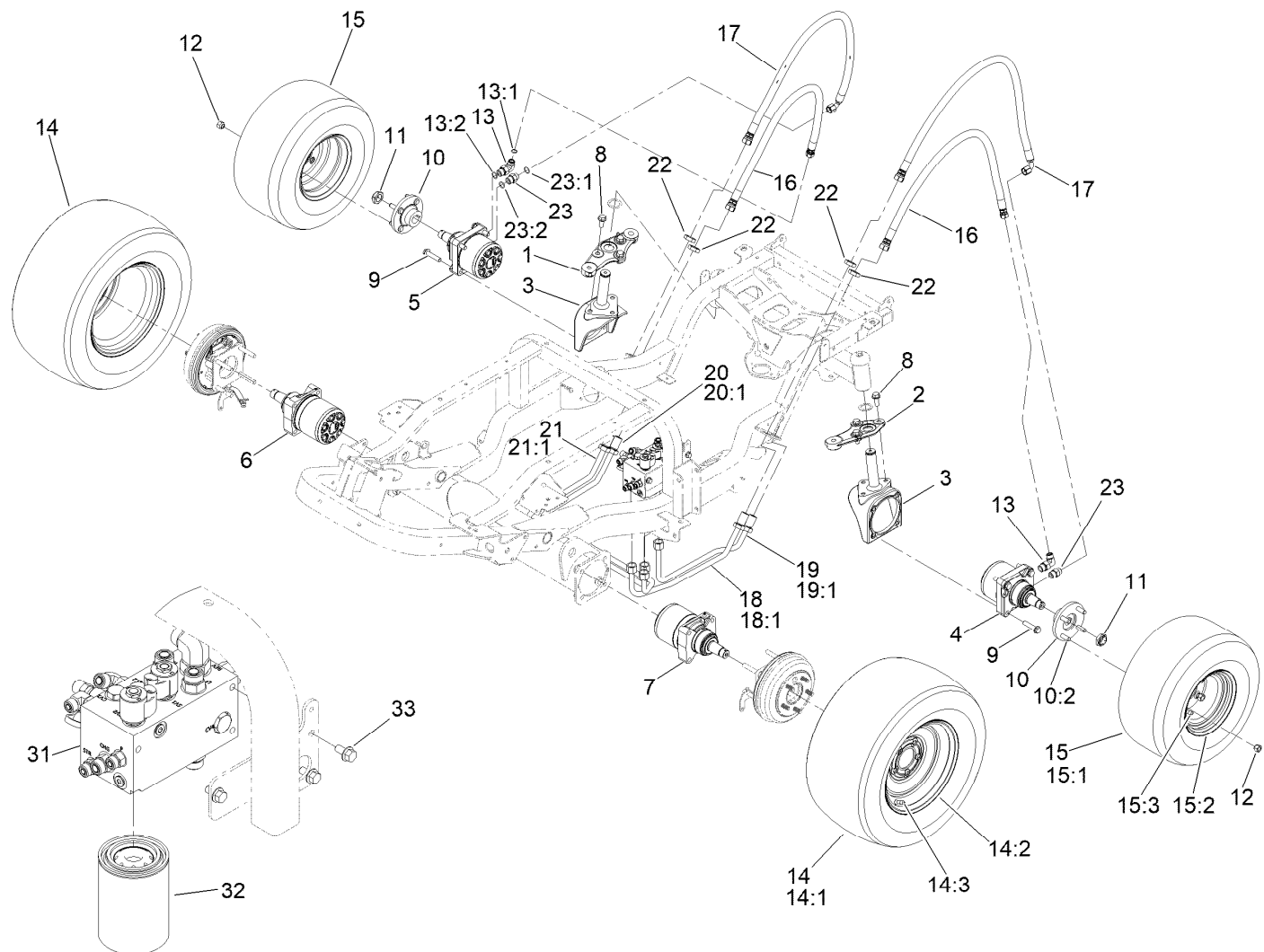
● Not serviced separately



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 ●

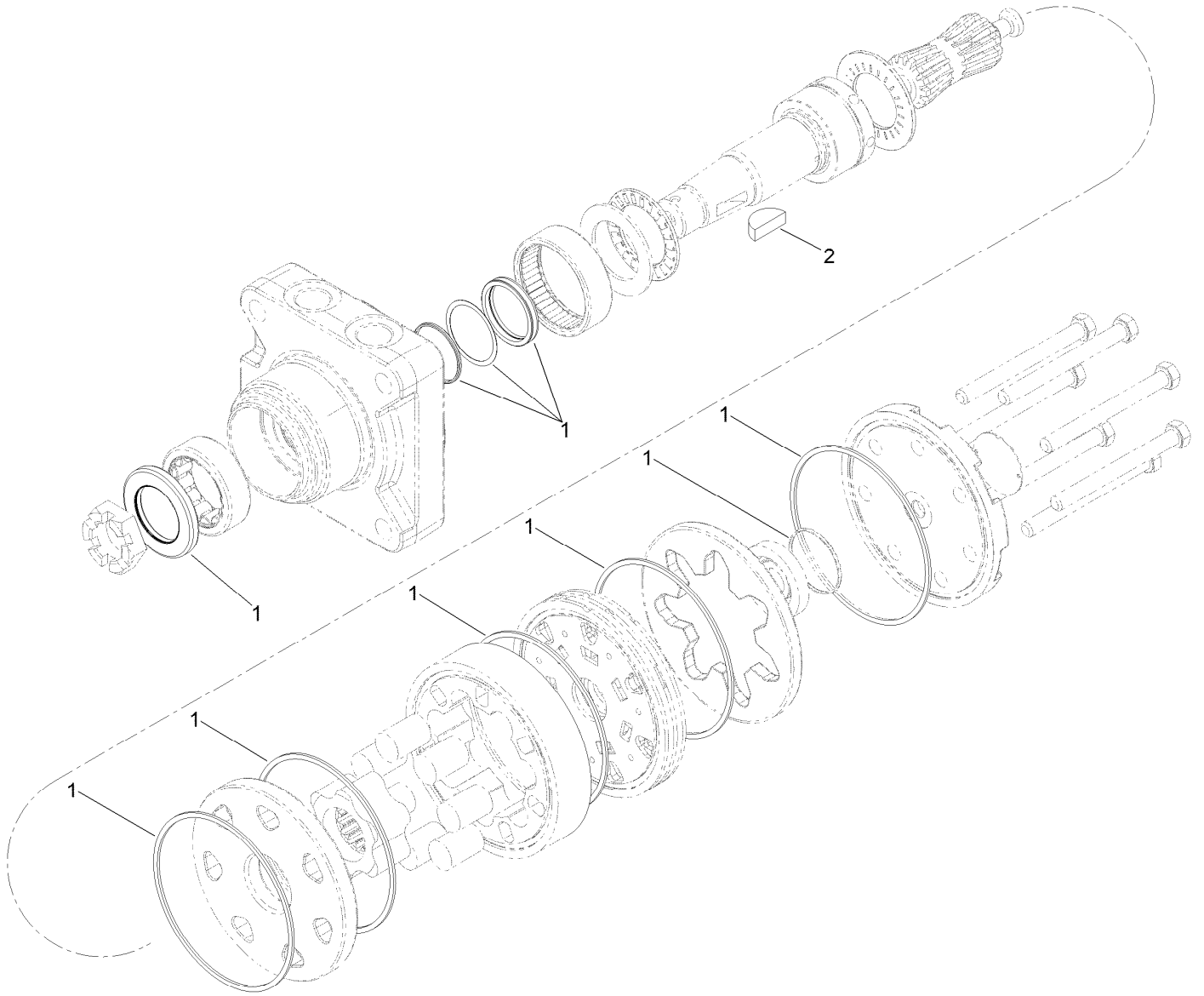
● Not serviced separately



Hydraulic Drive Assembly

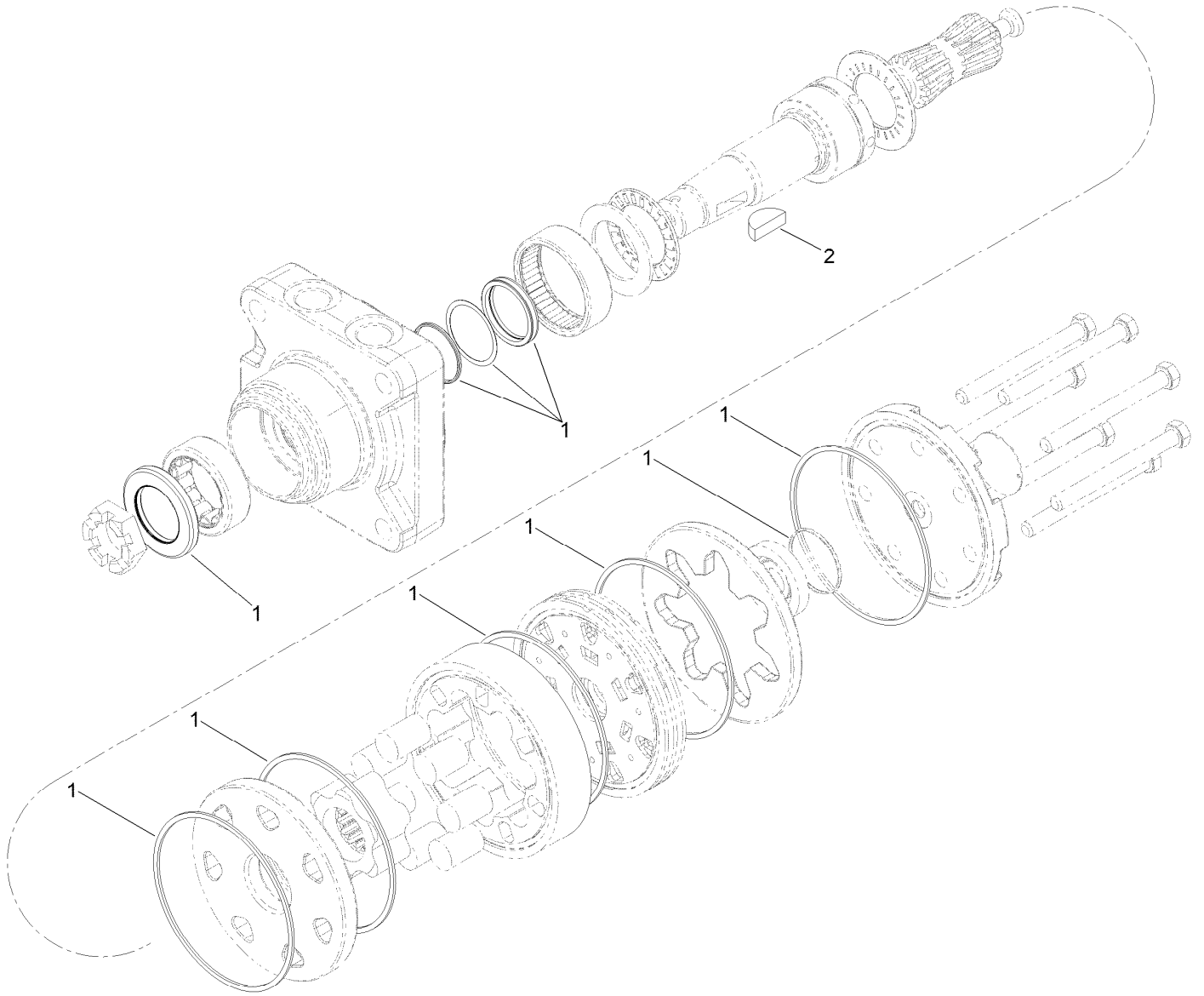
Ref.	Part Number	Qty.	Description
1	140-3142	1	Link-Drag, RH
2	140-3144	1	Link-Drag, LH
3	107-4517-03	2	Housing-Motor
4	138-0303	1	Motor-Hydraulic, CCW
5	138-0304	1	Motor-Hydraulic, CW
6	137-2478	1	Motor-Hydraulic, CW
7	137-2458	1	Motor-Hydraulic, CCW
8	3234-38	6	Screw-HHF
9	3234-46	8	Screw-HHF
10	18-3209	2	Wheel Hub/Stud ASM
10:2	10-6830	4	Stud-Type, Drive
11	116-1399	2	Locknut
12	139-2564	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	145-6069	1	Hydraulic Tube ASM
20:1	237-65	1	O-Ring
21	145-6071	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	145-6080	1	Manifold Steering/Lift-4Wd
32	86-3010	1	Filter-Oil
33	3234-1	3	Screw-HHF



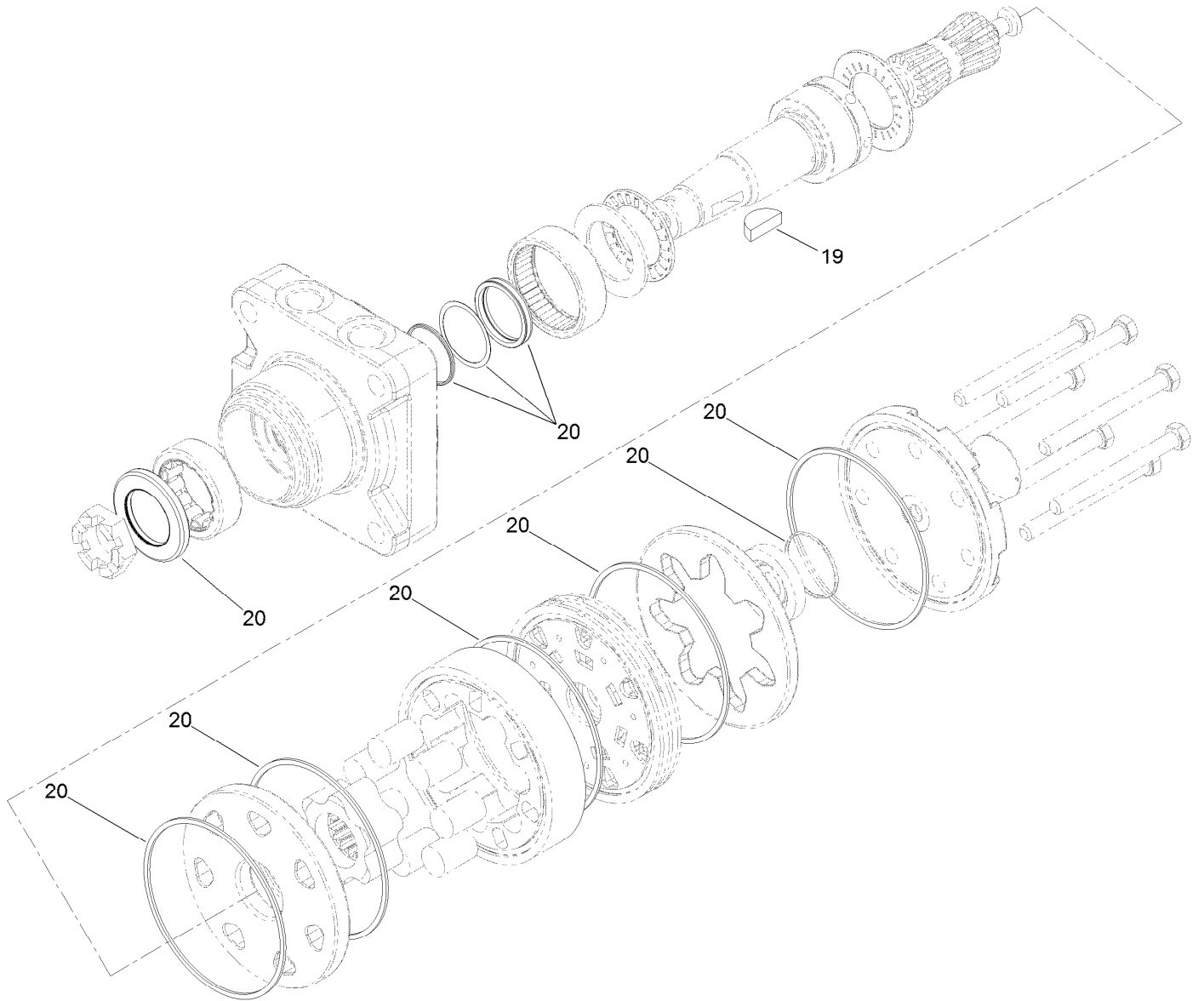
Hydraulic Motor Assembly No. 138-0303

<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



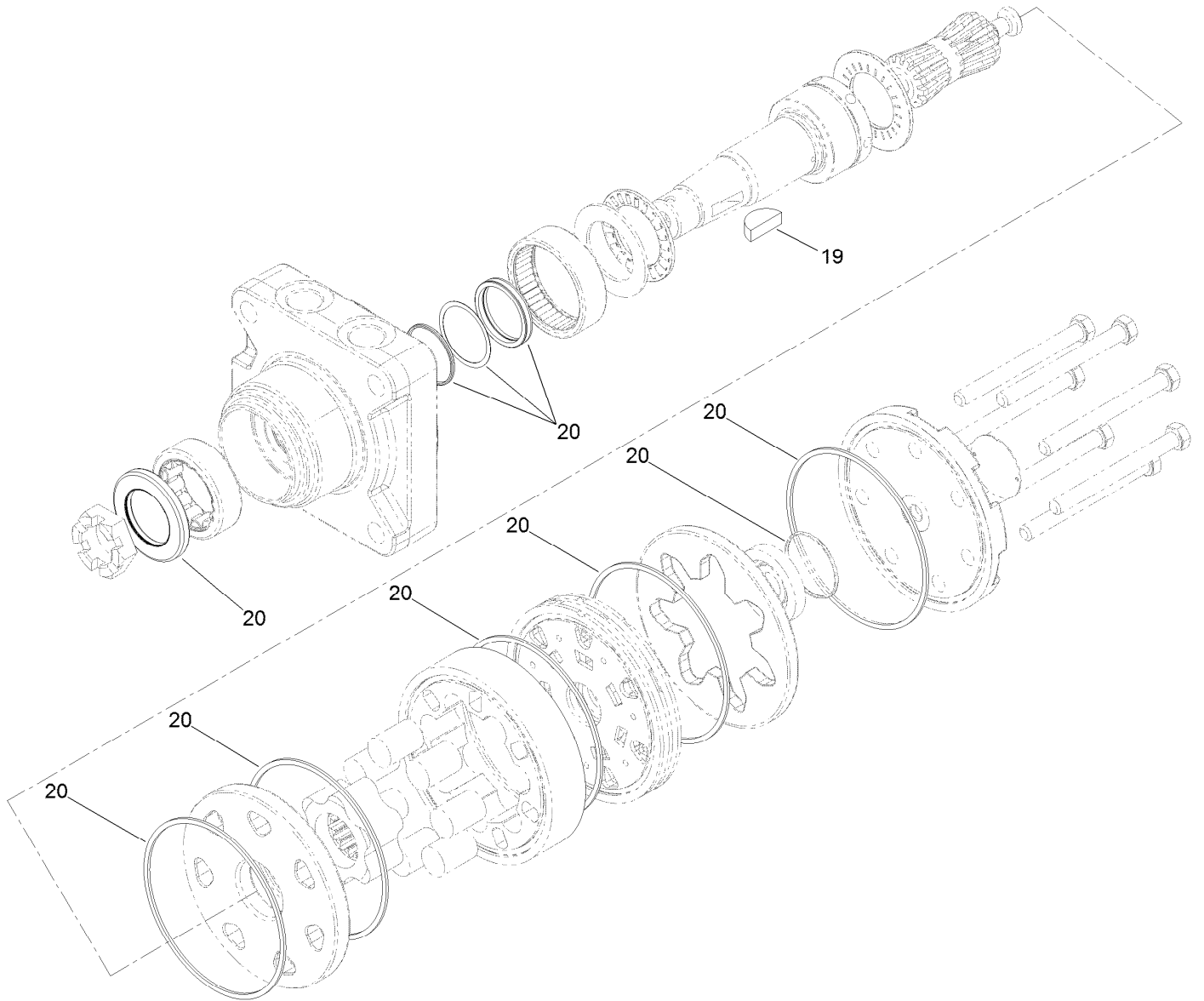
Hydraulic Motor Assembly No. 138-0304

<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



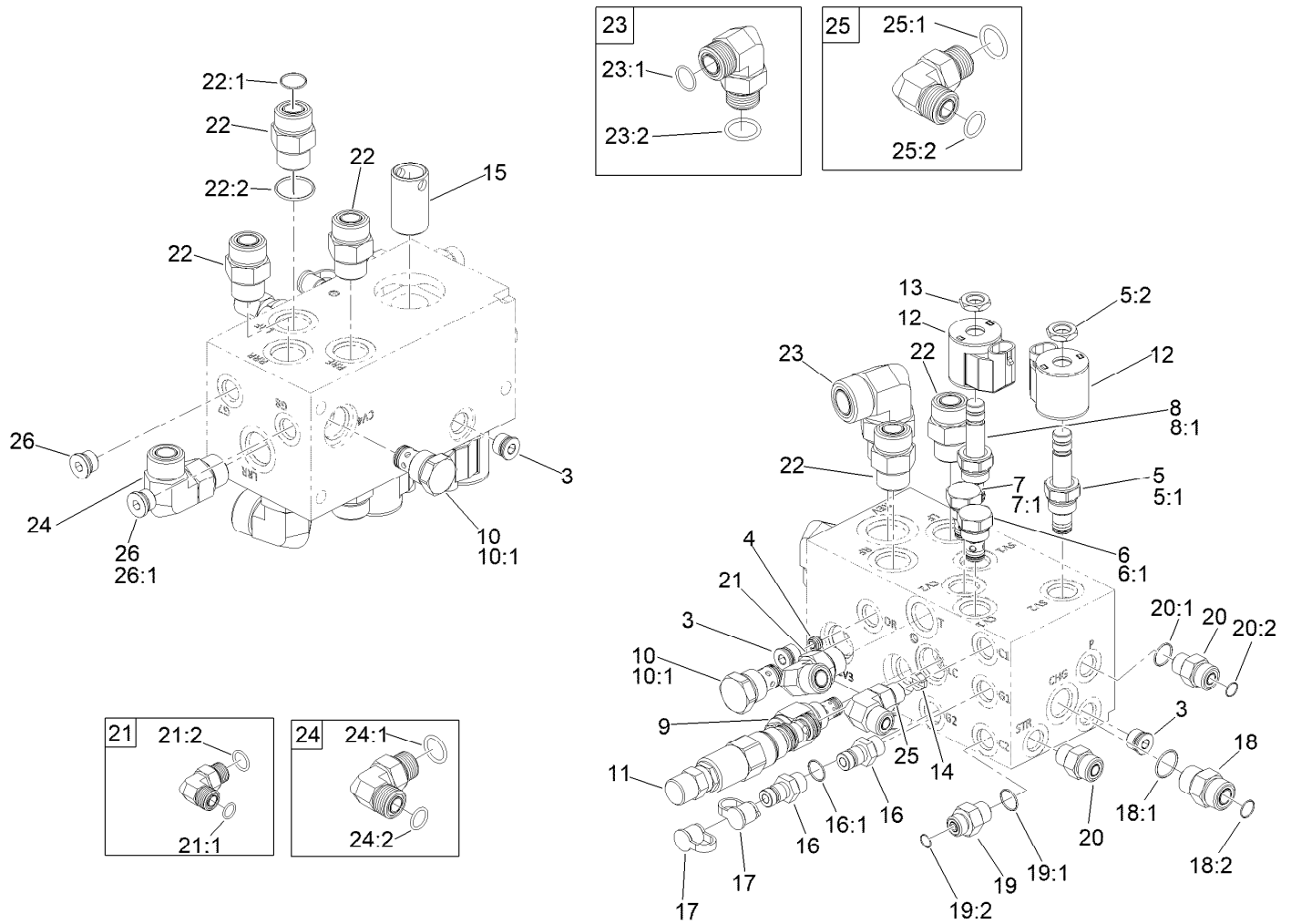
Hydraulic Motor Assembly No. 137-2478

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

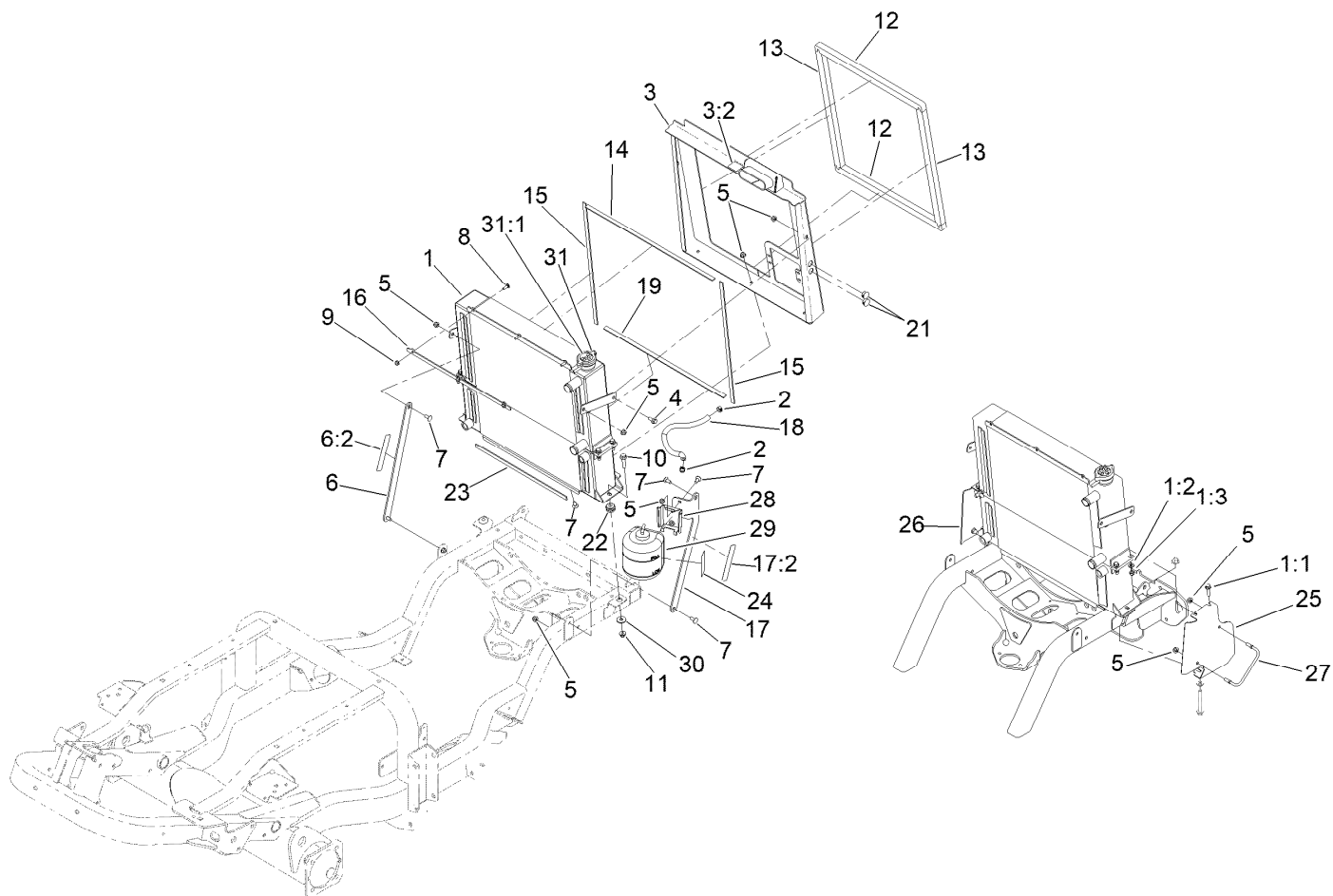


Steering/Lift Manifold Assembly No. 145-6080

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

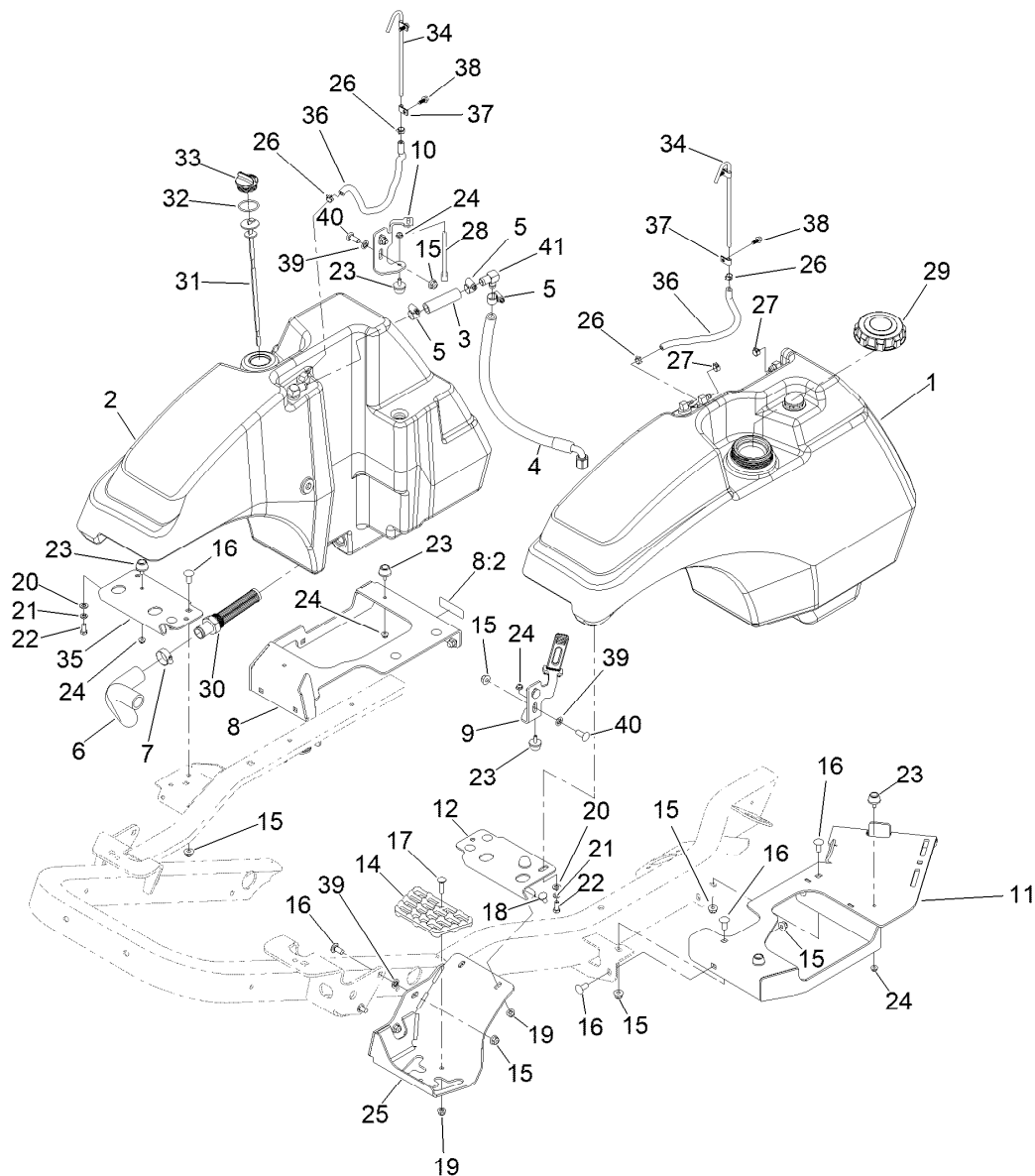
● Not illustrated



Radiator and Cooler Assembly

Ref.	Part Number	Qty.	Description
1	147-0062	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	114-4681	2	Screw-HHF
11	104-8301	2	Nut-HF, NI
12	138-4410	2	Seal-Foam
13	138-4411	2	Seal-Foam
14	138-4453	1	Foam-Radiator

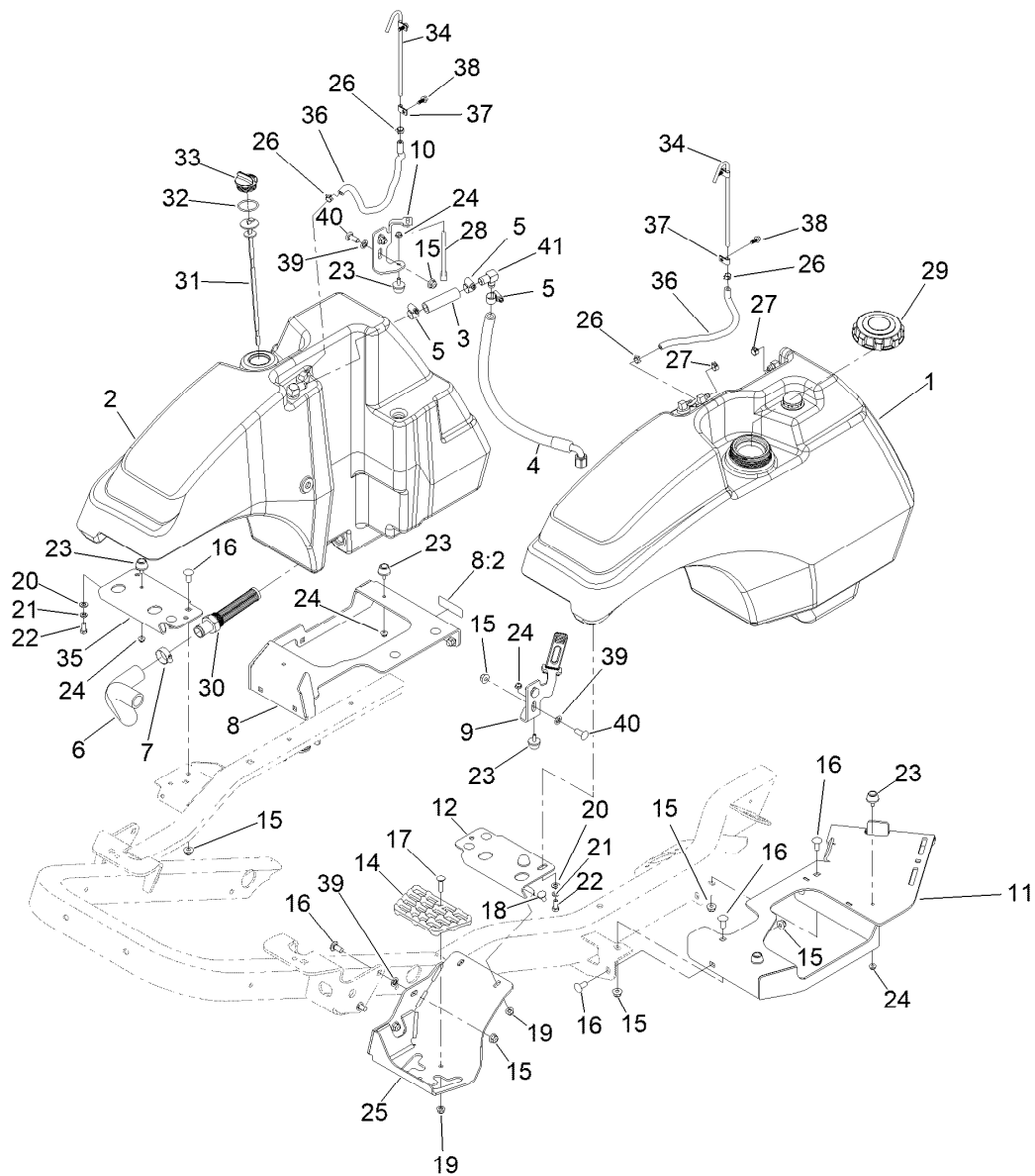
Ref.	Part Number	Qty.	Description
15	138-4454	2	Foam-Radiator, Side
16	138-4461-0P	1	Bracket-Shroud Retainer
17	139-6230	1	Bracket-Bottle Mount
17:2	93-7272	1	Decal-Warning
18	106-1126	1	Hose-Fuel
19	108-1393	1	Strip-Foam
21	130-8439	2	Plug-Dome
22	63-9750	2	Mount
23	130-9182	1	Foam-Radiator, Short
24	144-0472	1	Decal-Coolant Level
25	145-6059-03	1	Bracket-Cooler Shroud, LH
26	145-6061-03	1	Bracket-Cooler Shroud, RH
27	144-3905	2	Guide-Hose
28	140-7165	1	Bracket-Tank
29	140-7185RT01	1	Tank ASM
30	52-2861	2	Washer
31	117-5138	1	Cap-Radiator
31:1	117-3276	1	Decal-Danger



Fuel System 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	145-5933	1	Hose ASM-Hydraulic
5	2412-119	3	Clamp-Hose
6	138-7361	1	Hose-Suction
7	2412-34	1	Clamp-Hose
8	145-6099	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	145-6031	1	Tank And Battery Tray ASM
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

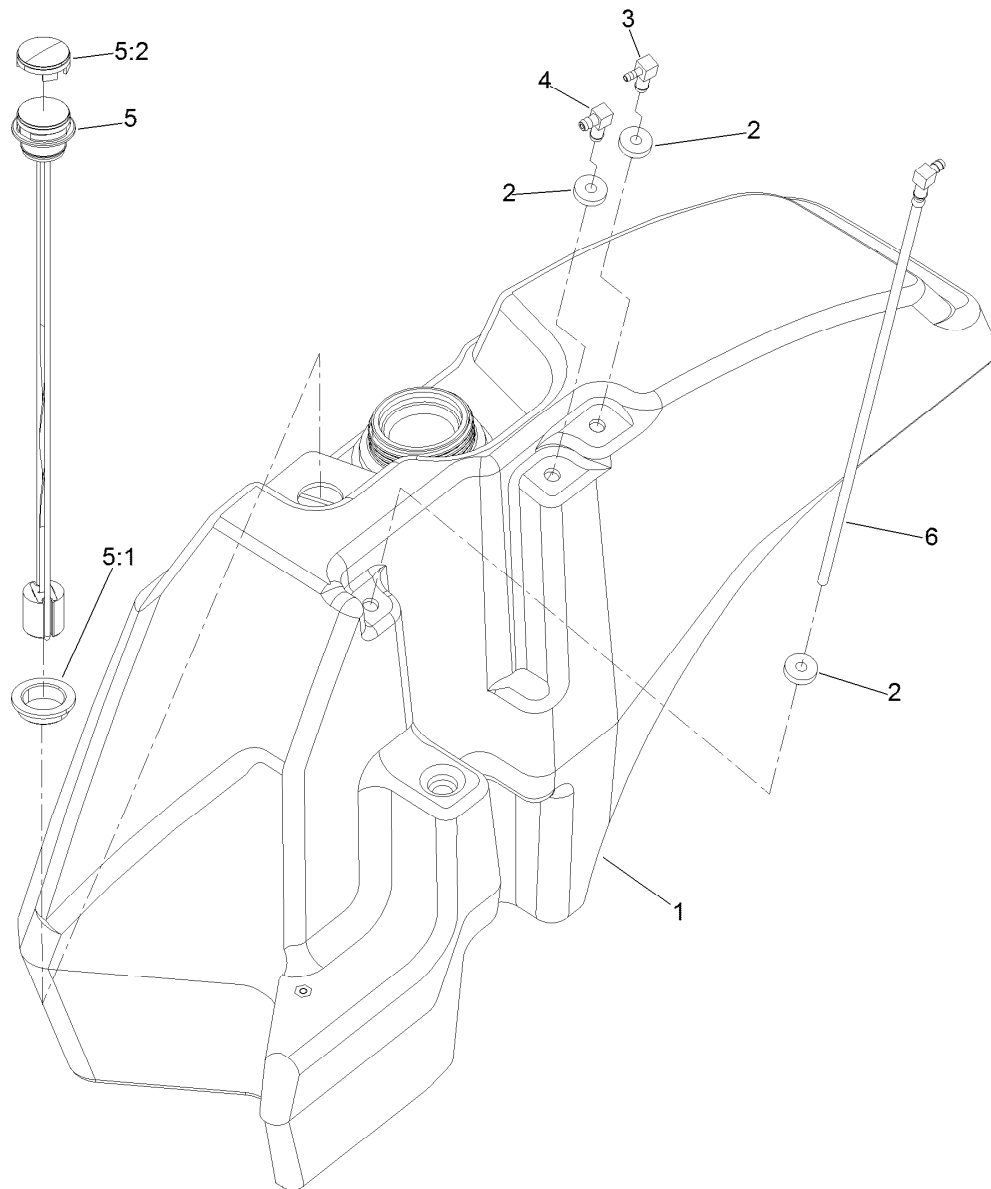
Ref.	Part Number	Qty.	Description
19	104-8300	3	Nut-HF, NI
20	3256-23	2	Washer-Plain
21	3253-4	2	Washer-Lock
22	322-3	2	Screw-HH
23	109-2365	8	Bumper-Rubber
24	104-7201	8	Nut-HF, NI
25	139-0927-01	1	Bracket-Mount, Step
26	2412-98	4	Clamp-Hose
27	92-2379	2	Clamp-Hose
28	131-8402	2	Strap-Down, Hold
29	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 System Assembly (continued)

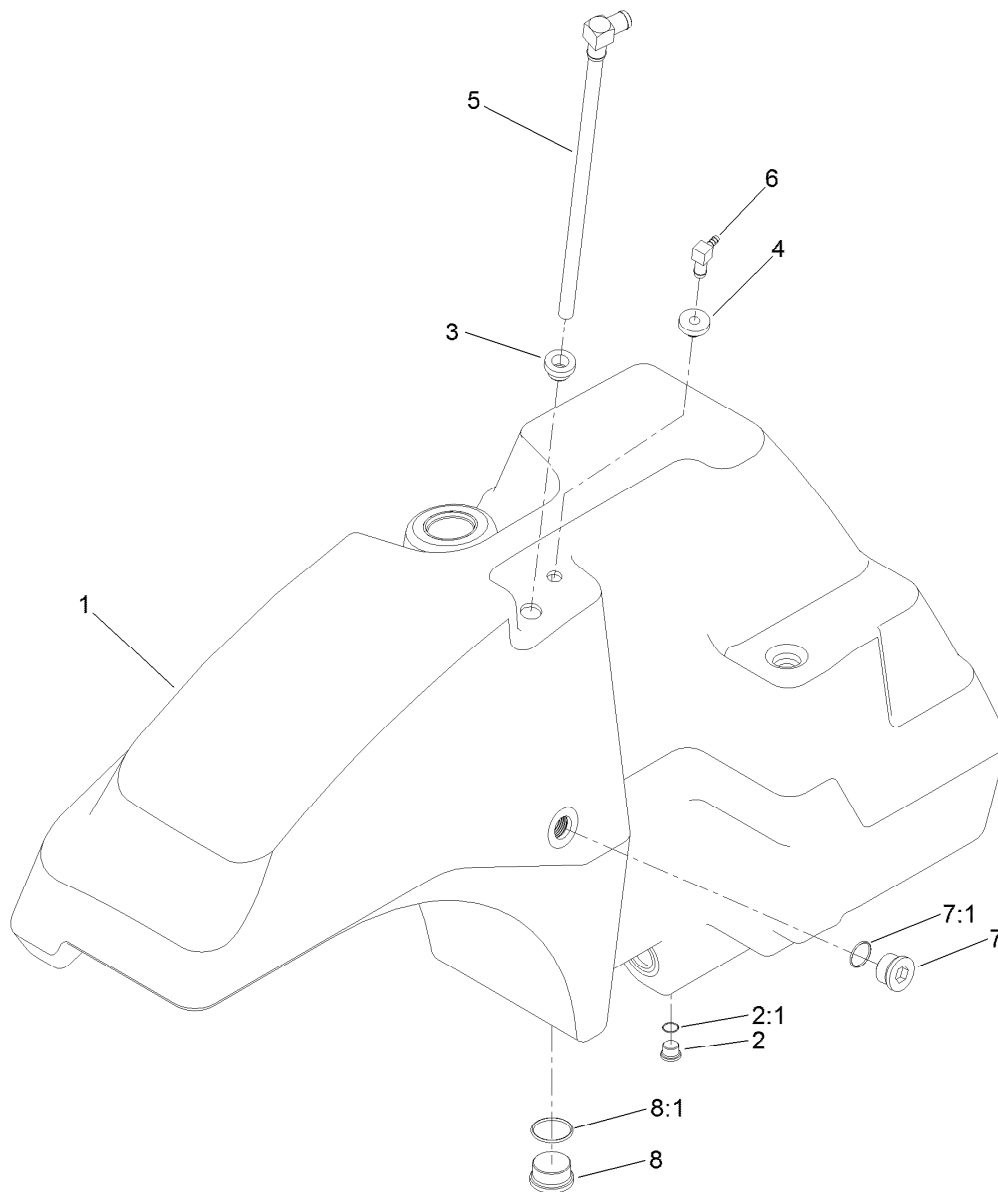
Ref.	Part Number	Qty.	Description
39	107-3154	6	Nut-Push

Ref.	Part Number	Qty.	Description
40	3231-22	4	Screw-CARR
41	117-0943	1	Fitting-Elbow



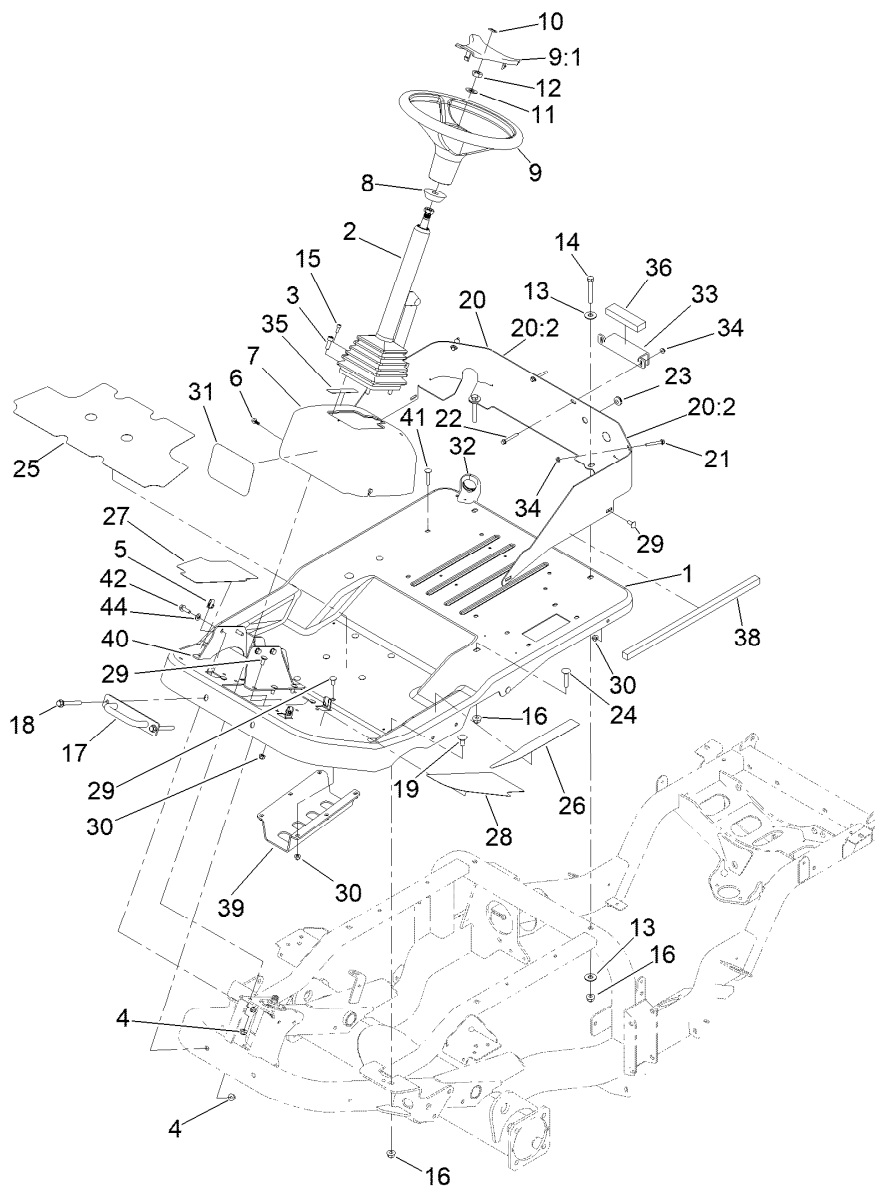
Fuel Tank Assembly No. 138-0291

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



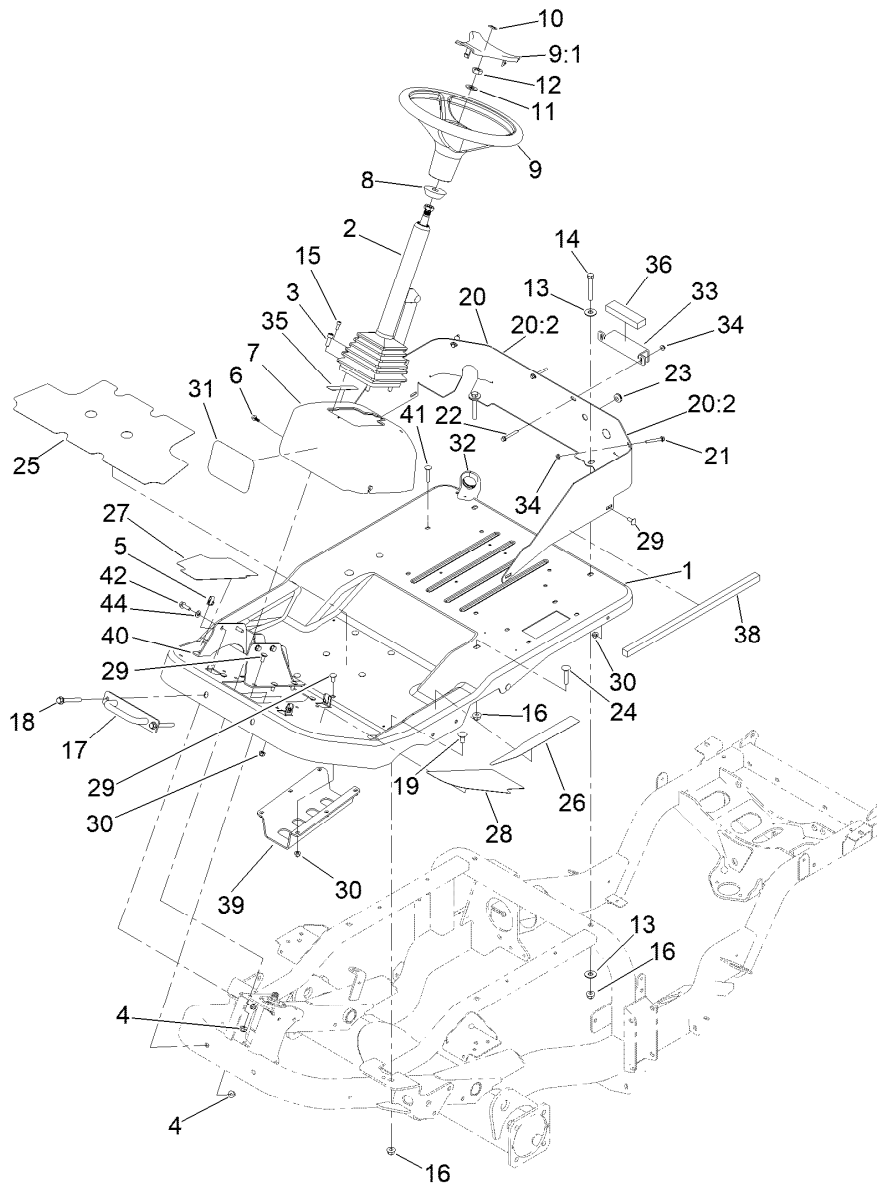
Hydraulic Tank Assembly No. 138-4418

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

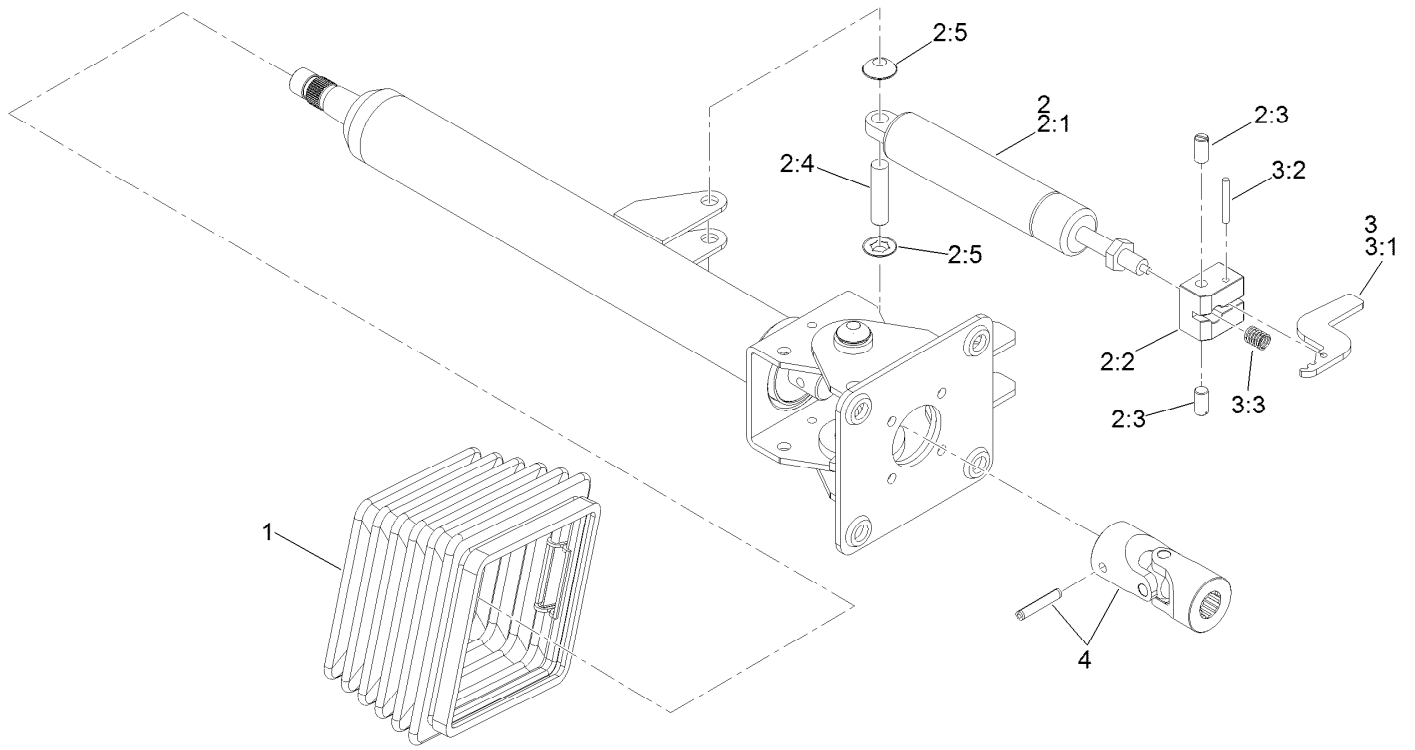
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	144-4030SP	1	Platform-Stamped	20:2	132-1316	2	Decal-Danger, Belt
2	139-0857	1	Column-Steering, Tilt	21	125-4287	2	Screw-HHF
3	3274-7	4	Screw-HSH	22	3234-34	2	Screw-HHF
4	104-8301	6	Nut-HF, NI	23	1-633630	1	Grommet
5	107069	4	Clip	24	3232-5	2	Screw-CARR
6	99-6810	4	Screw-HHF	25	144-4029	1	Tread-Foot, Main
7	138-7494	1	Cover-Steering	26	139-0859	1	Tread-Foot, Side
8	93-5429	1	Collar-Foam	27	139-0885	1	Tread-Foot, Front RH
9	98-1471	1	Wheel-Steering	28	139-0886	1	Tread-Foot, Front LH
9:1	98-1468	1	Cover-Wheel, Steering	29	3230-23	15	Bolt-CARR
10	98-1459	1	Decal	30	104-8300	21	Nut-HF, NI
11	3256-27	1	Washer-Flat	31	105-1217	1	Decal
12	3296-33	1	Nut-Lock, NI	32	144-0473	1	Plug-Harness, Firewall
13	3256-40	4	Washer-Flat	33	139-2166-0P	1	Bracket-Hood Support
14	324-12	2	Screw-HH	34	104-7201	4	Nut-HF, NI
15	105-2409	4	Screw-HSH	35	140-1460	1	Decal-Traction Pedal
16	114-8417	6	Nut-HF, NI	36	139-6202	1	Foam-Strip
17	138-0288	1	Bracket-Down, Tie	38	139-6207	1	Foam-Strip
18	3234-41	2	Screw-HHF	39	144-3954-03	1	Guard-Tubes, Hydraulic
19	3232-1	2	Screw-CARR	40	145-5983-0P	1	Bracket-Steering Mount [primed]
20	144-0528	1	Plate-Firewall, Lower				



Platform, Steering and Console Assembly (continued)

Ref.	Part Number	Qty.	Description
41	116-0629	2	Screw-CARR

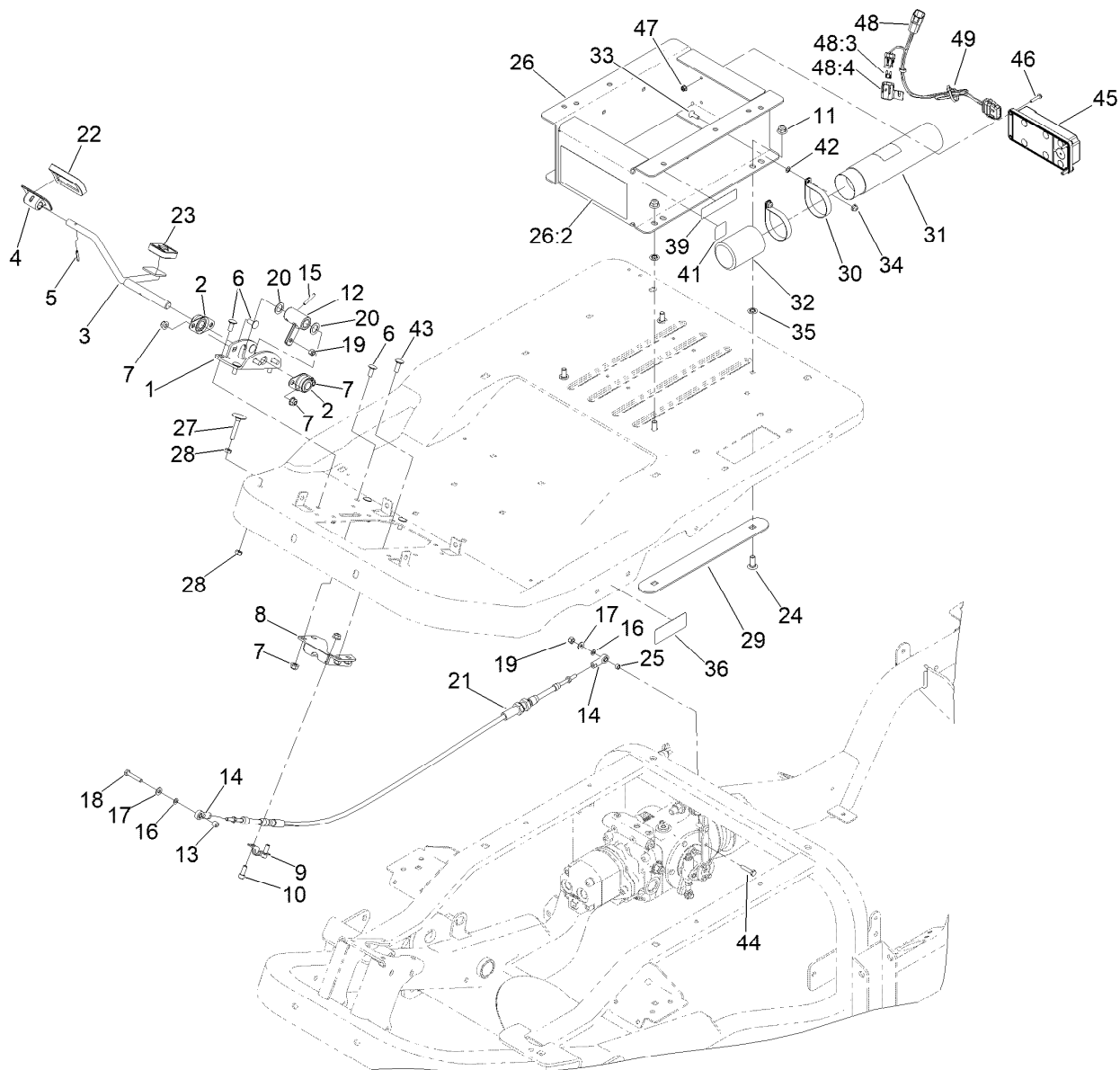
Ref.	Part Number	Qty.	Description
42	3234-29	4	Screw-HHF
44	3256-38	4	Washer-Flat



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

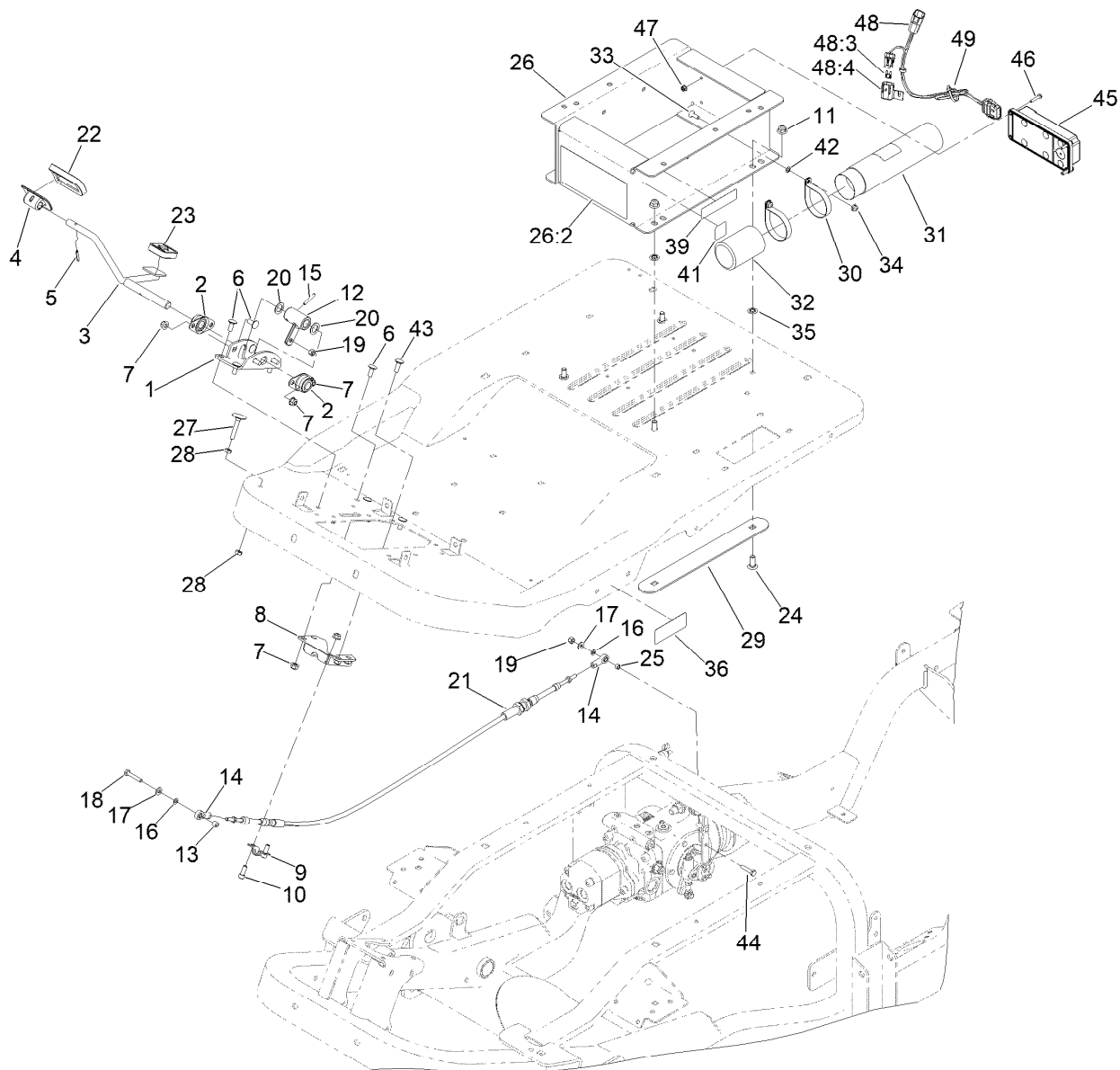
● Not serviced separately



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	11	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	1	Screw-HH
19	3296-42	2	Nut-Lock, NI
20	137-2601	2	Washer
21	145-6040	1	Cable-ASM, Traction

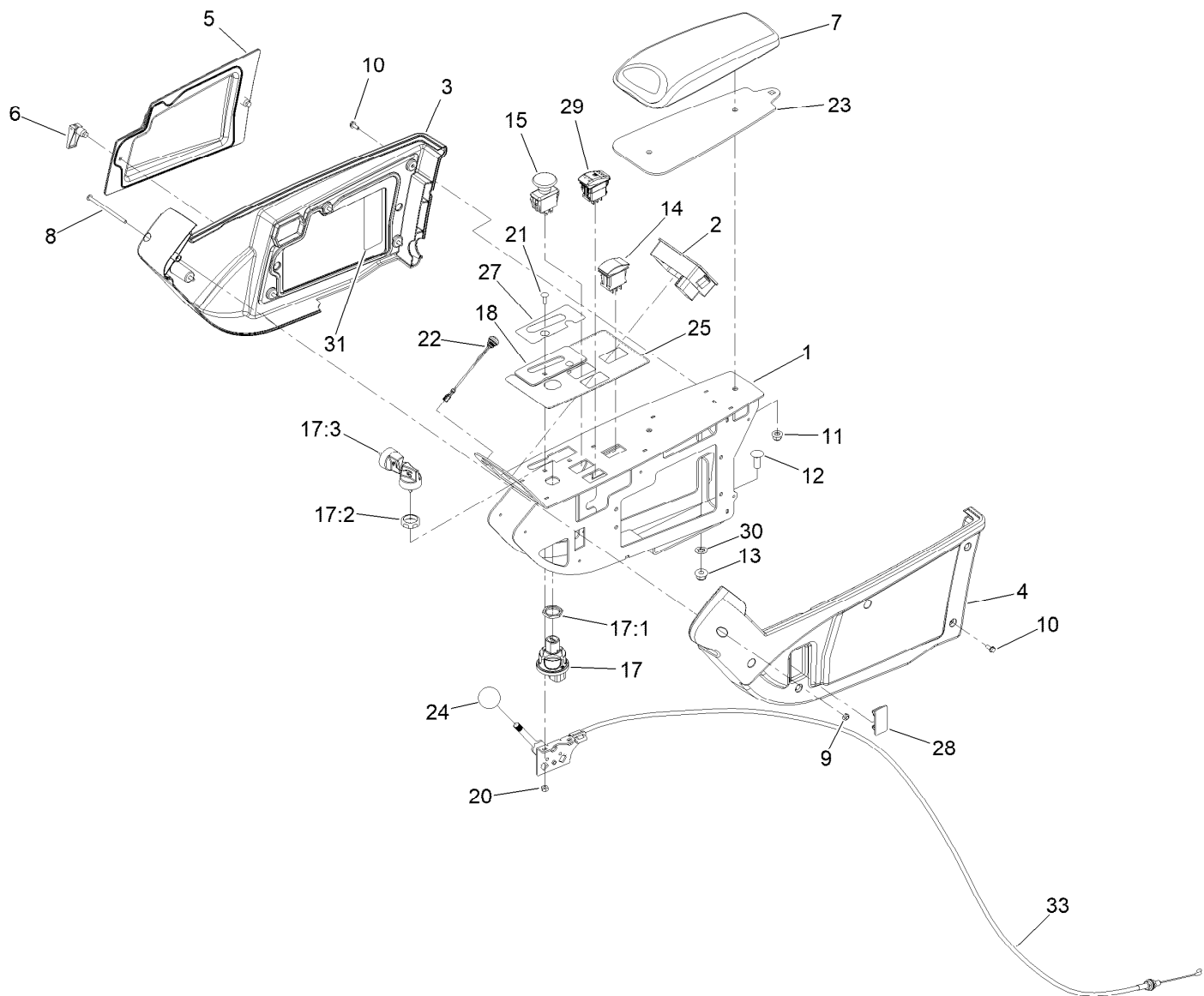
Ref.	Part Number	Qty.	Description
22	74-9100	1	Pad-Pedal, Forward
23	74-9110	1	Pad-Pedal, Reverse
24	3231-22	4	Screw-CARR
25	130-9691	1	Spacer
26	139-6221	1	Seat Box ASM
26:2	139-6215	1	Decal-Warning
27	115-8240	1	Screw-Elevator
28	3218-2	2	Nut-Hex Jam
29	138-7422-0P	2	Strip-Seat Mount
30	107-1865	2	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-Spark Arrestor
41	144-0512	1	Decal-Sound, Db109
42	32115-15	2	Nut-Push
43	3230-10	1	Bolt-CARR
44	321-8	1	Screw-HH



Pedal Assembly (continued)

Ref.	Part Number	Qty.	Description
45	161-9001	1	Gateway-Telematics
46	131-6456	4	Screw-HWH
47	120-4578	4	Nut-HF
48	122-2160	1	Harness-Wire

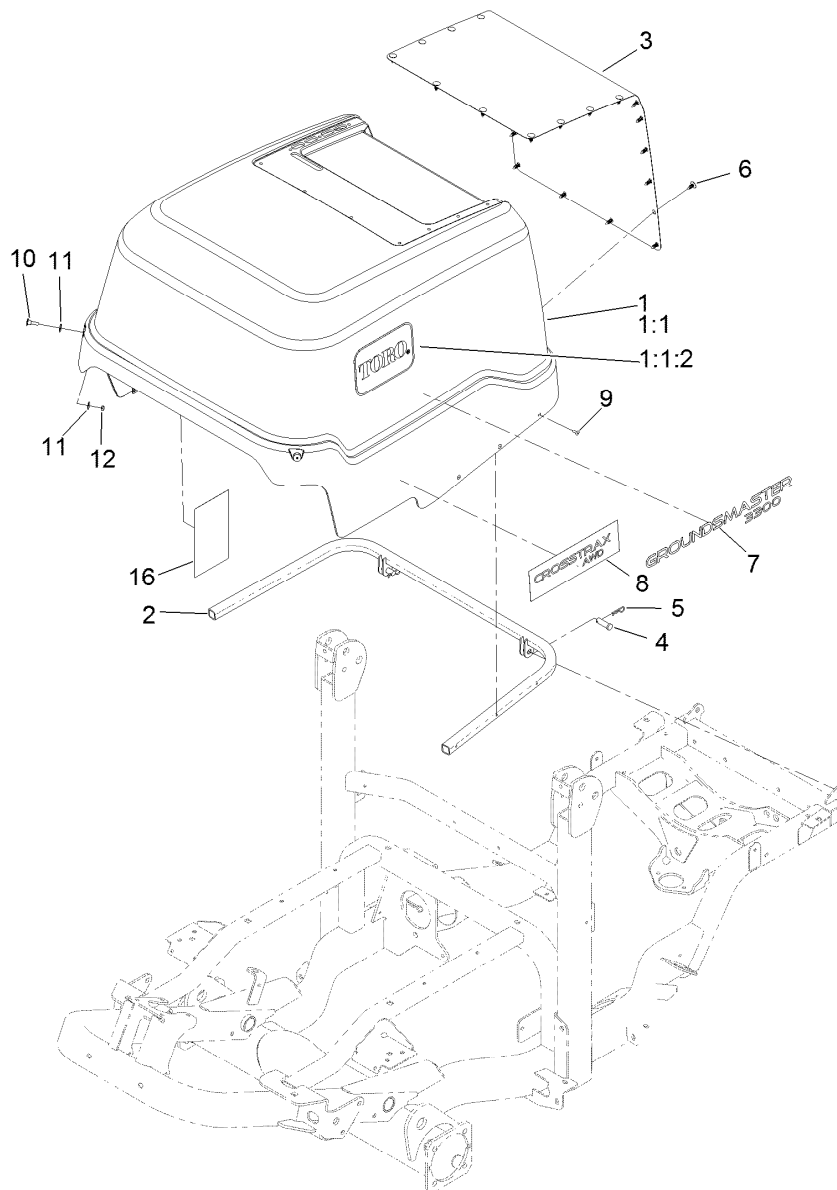
Ref.	Part Number	Qty.	Description
48:3	121-8861	1	Fuse-Mini Blade, 2 Amp
48:4	32180-101	1	Cover-Fuse, Single
49	3290-378	1	Tie-Cable



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



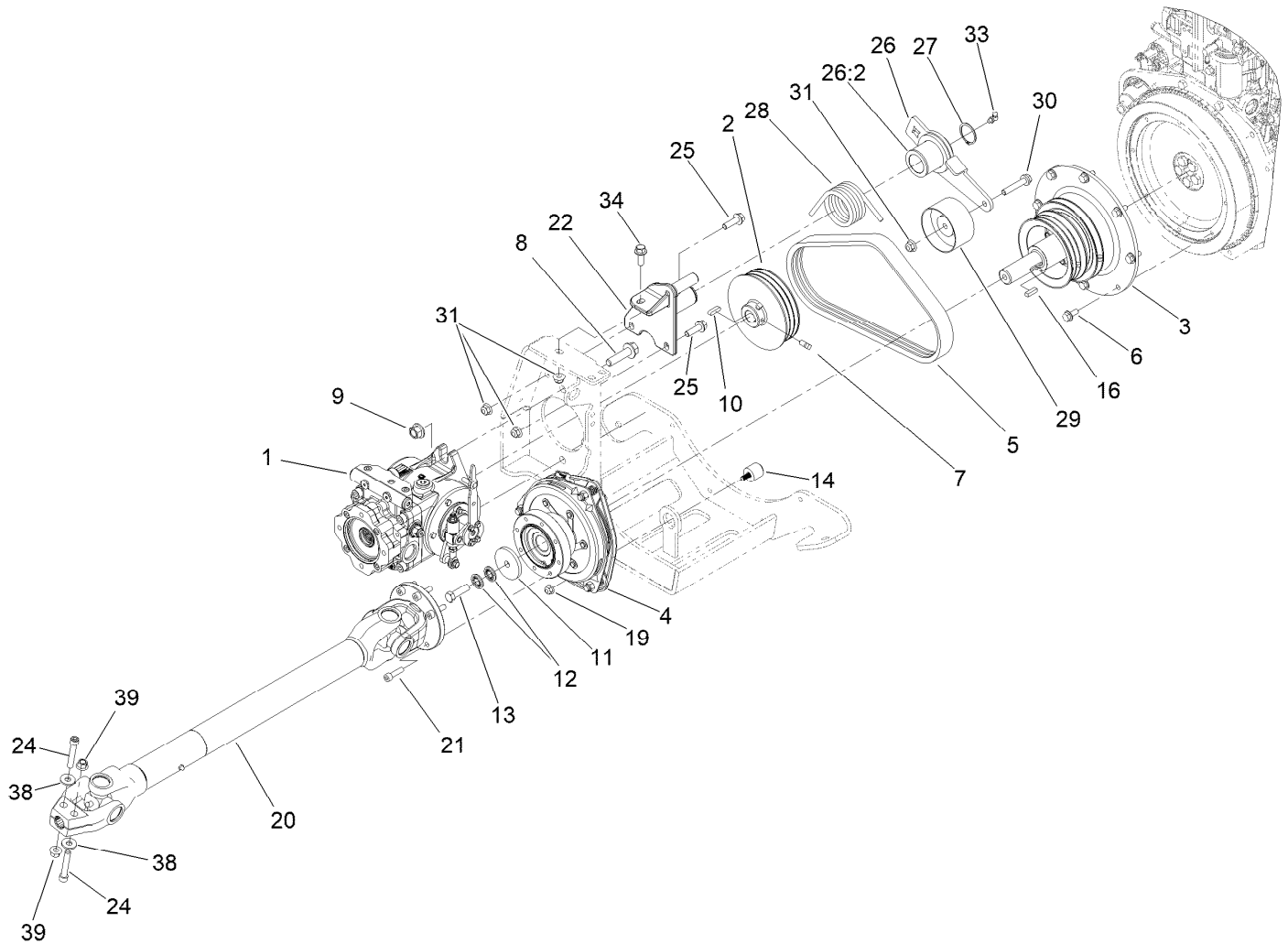
Hood Assembly

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

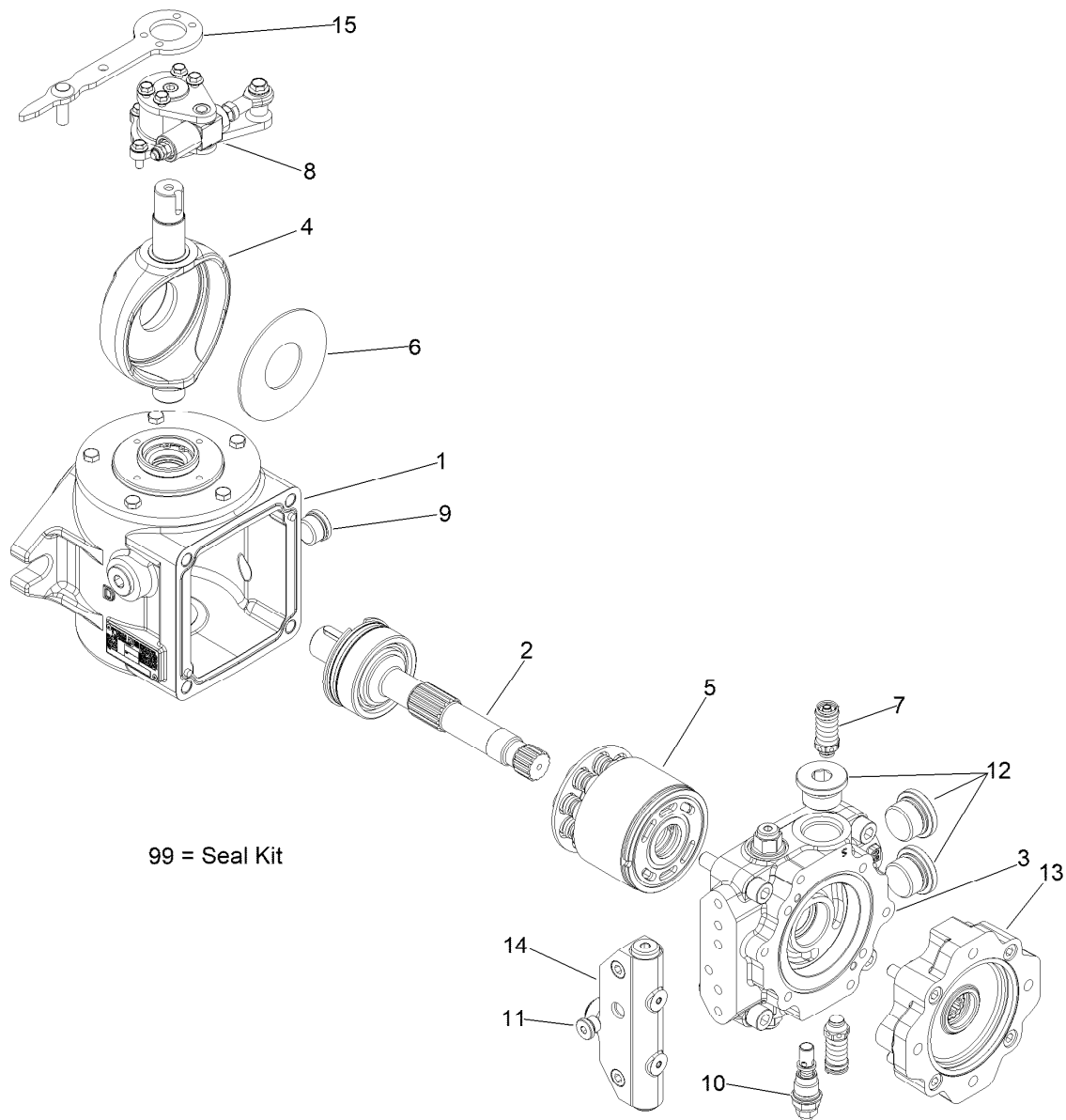
■ Not serviced separately



Pump, Driveshaft and Clutch Assembly

Ref.	Part Number	Qty.	Description
1	145-5940	1	Pump-Bondoli
2	145-6044	1	Pulley-3/3V
3	147-0050	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-HHF, Patch
7	1-803022	2	Screw-Set
8	133-0041	2	Screw-HF
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	147-0060	1	Bumper
16	10-7070	1	Key-Square
19	104-8300	2	Nut-HF, NI

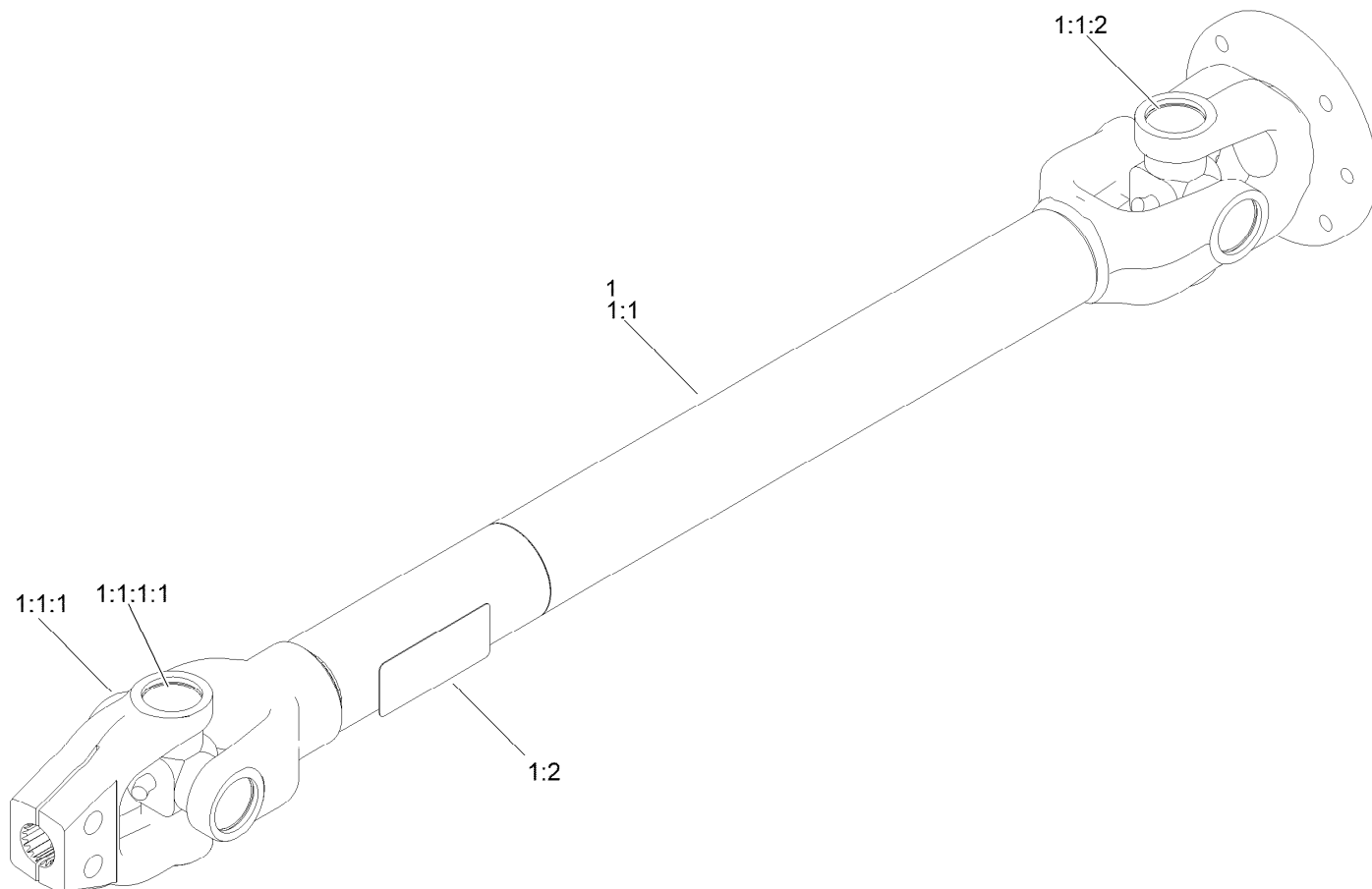
Ref.	Part Number	Qty.	Description
20	144-0521SP	1	Driveshaft ASM
21	144-0452	6	Screw-HSH, Patch
22	140-6200	1	Idler Pivot (Mach)
24	131-8591	2	Screw-HSH
25	119-4061	2	Screw-HHF
26	140-6179	1	Idler Arm ASM
26:2	93-4510	2	Bushing-Caster
27	32120-84	1	Ring-Snap, External
28	140-3102	1	Spring-Torsion
29	144-3904	1	Pulley-Tensioner
30	108-3742	1	Screw-HHF
31	104-8301	4	Nut-HF, NI
33	302-40	1	Fitting-Grease, 90 DEG
34	3234-42	1	Screw-HHF
38	80-6990	2	Washer-Hardened
39	32128-36	2	Nut-HF



Pump Assembly No. 145-5940

Ref.	Part Number	Qty.	Description
1	147-0161	1	Housing-Pump
2	147-0162	1	Shaft ASM
3	147-0163	1	Valve Body
4	147-0164	1	Plate-Swash
5	147-0165	1	Rotating Assembly
6	147-0166	1	Plate-Swash, Insert
7	147-0167	1	Valve, 250 Bar
8	147-0168	1	Spring ASM, Return

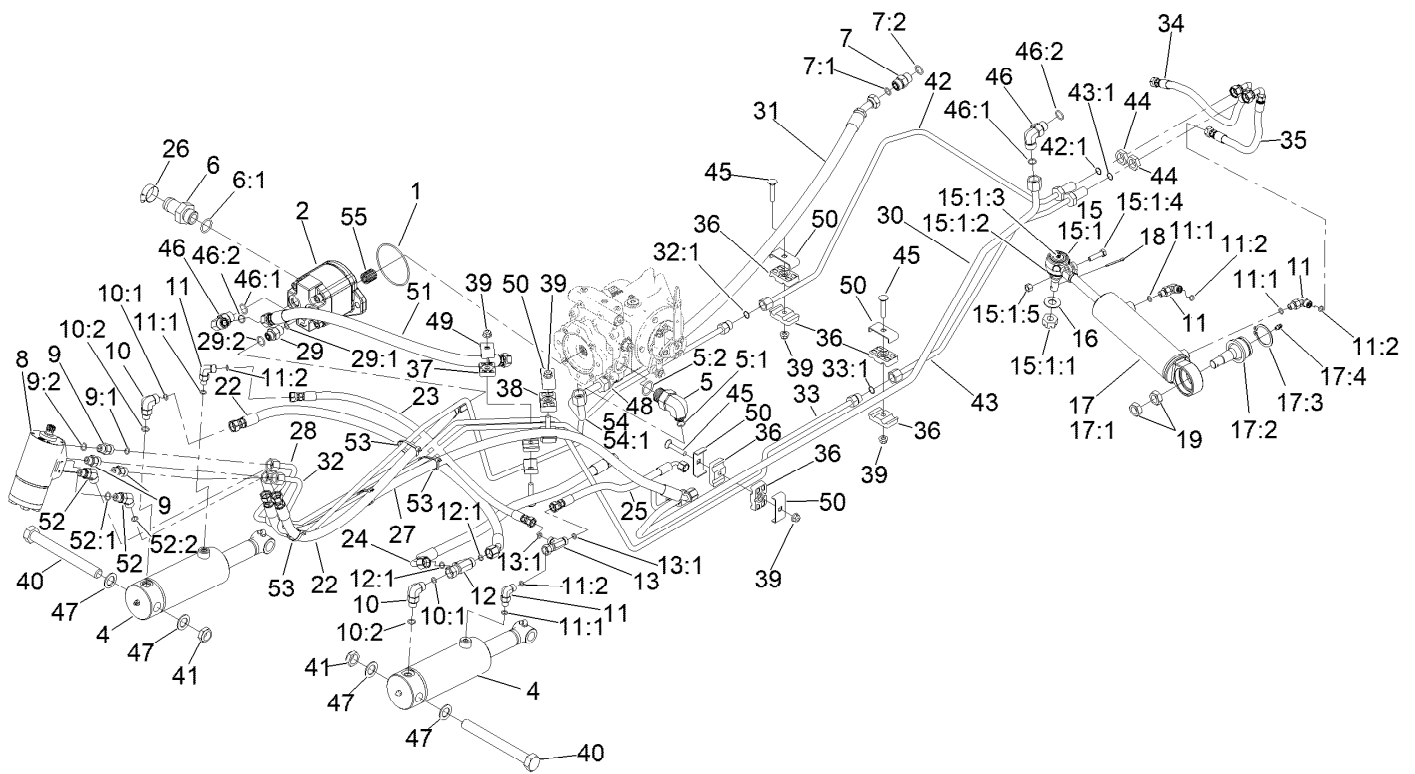
Ref.	Part Number	Qty.	Description
9	147-0169	1	Cap-Seal
10	147-0170	1	Valve-Relief 10-15 Bar
11	147-0171	1	Plug, 7/16"-20 Unf
12	147-0172	1	Plug, 1-1/16"-12 Unf
13	147-0173	1	Pump-Endcap
14	147-0174	1	Exchange Valve ASM
15	147-0175	1	Lever-Control
99	147-0176	1	Kit-Seal



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
1:1:1:2	144-0550	1	Bearing-Cross Joint
1:2	139-6304	1	Decal-Danger, Entanglement

● Not serviced separately

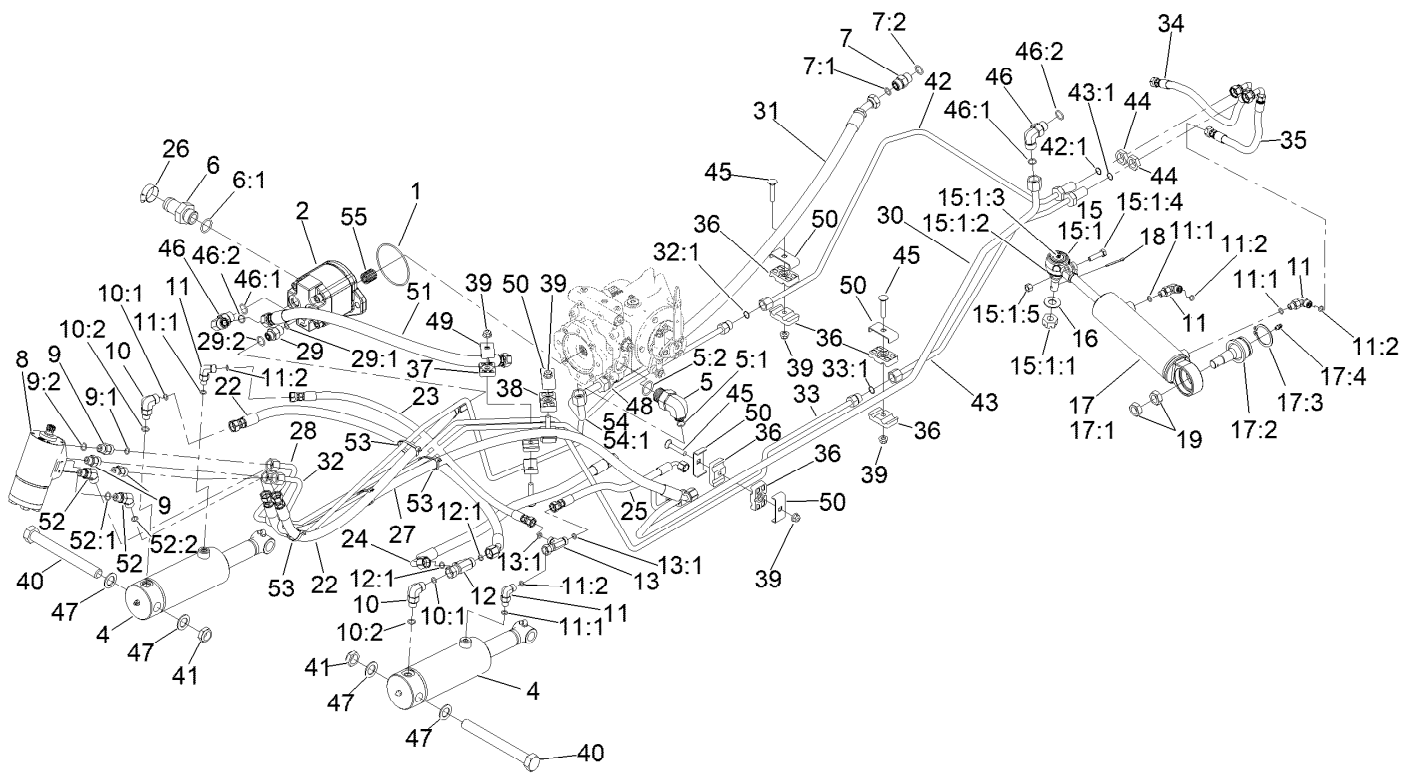


Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	237-161	1	O-Ring
2	147-5115	1	Pump-Gear
4	139-0854	2	Cylinder-Hydraulic
5	340-131	1	Fitting-HYD, 90 DEG
5:1	237-30	1	O-Ring
5:2	237-81	1	O-Ring
6	99-3017	1	Fitting
6:1	237-81	1	O-Ring
7	340-4	1	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
10:1	237-22	1	O-Ring
10:2	237-42	1	O-Ring

Ref.	Part Number	Qty.	Description
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
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
17		1	Steering Cylinder ASM ●
17:1	139-6277	1	Steering Cylinder
17:2	106-6774	1	Joint-Ball

● Not serviced separately

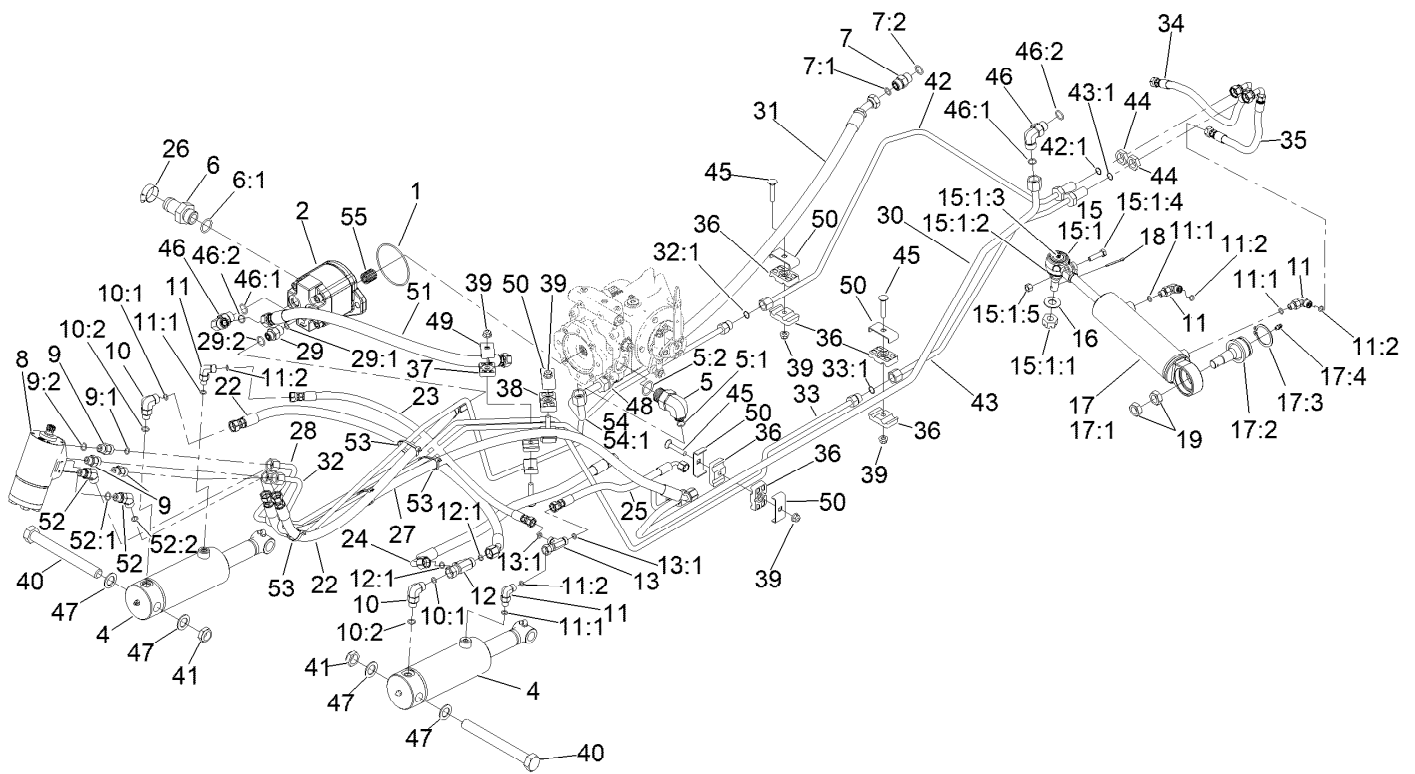


Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
17:3	32151-104	1	Ring-Retaining, External
17:4	302-5	1	Fitting-Grease
18	3272-12	1	Pin-Cotter
19	3220-6	2	Nut-Jam
22	137-5844	2	Hose ASM
22	137-5844RT03	1	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	145-5934	1	Hose ASM-Hydraulic
32	145-5959	1	Hydraulic Tube ASM

Ref.	Part Number	Qty.	Description
32:1	237-22	1	O-Ring
33	145-5930	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	6	Clamp-Tube
37	56-7973	2	Clamp-Tube
38	56-7970	2	Clamp-Tube
39	104-8300	5	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	5	Bolt-CARR
46	340-98	2	Fitting-Elbow, 90 DEG

● Not serviced separately

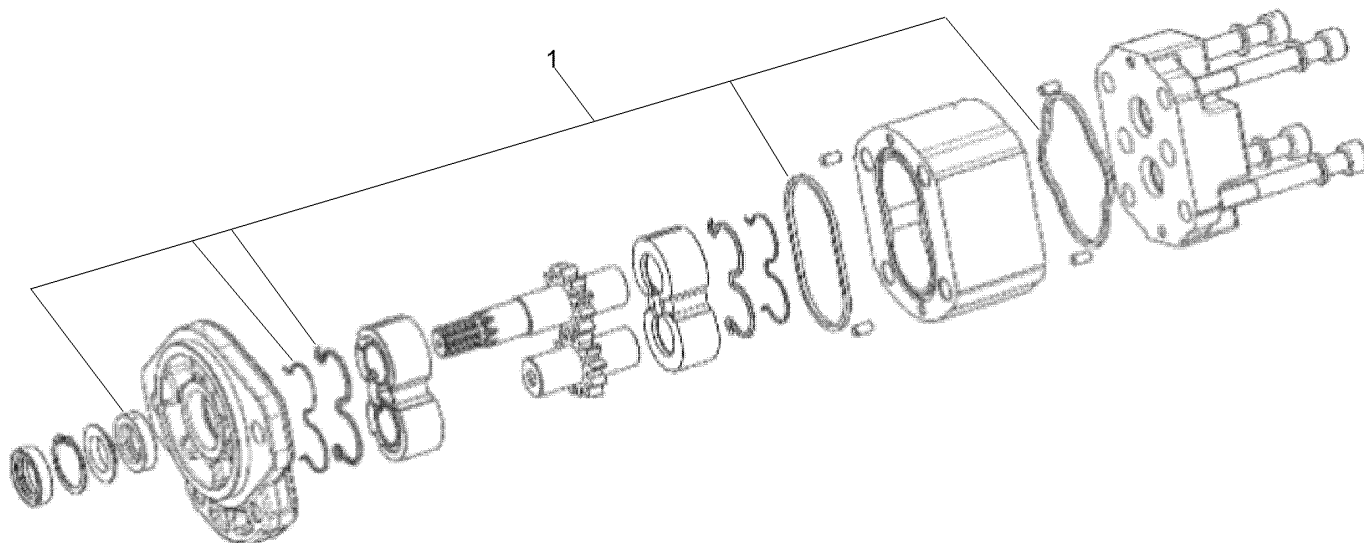


Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
46:1	237-79	1	O-Ring
46:2	237-30	1	O-Ring
47	126-7888	4	Washer-Nylon
48	340-127	1	Nut-Bulkhead
49	119-1418	2	Plate-Clamp, Short
50	119-1419	6	Plate-Clamp
51	145-5931	1	Hose ASM-Hydraulic

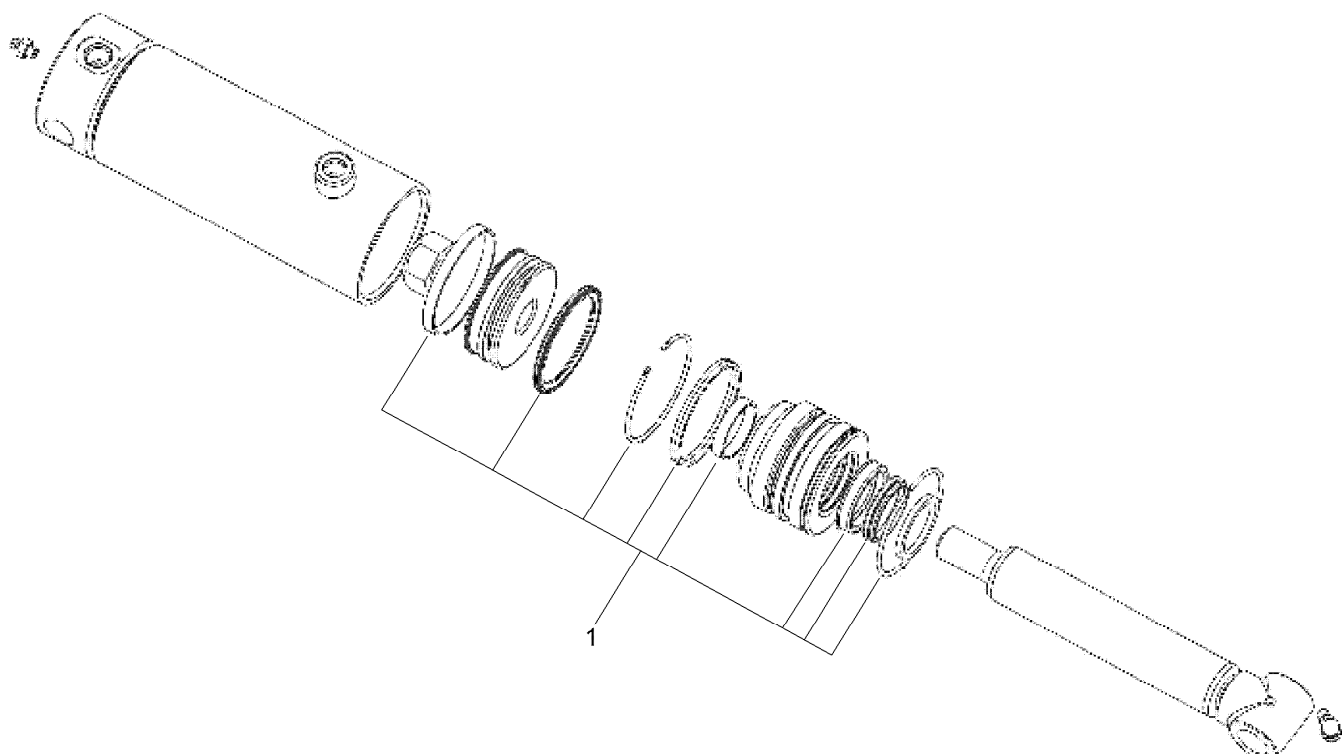
Ref.	Part Number	Qty.	Description
52	340-87	2	Fitting-Elbow, 45 DEG
52:1	237-22	1	O-Ring
52:2	237-42	1	O-Ring
53	3290-378	4	Tie-Cable
54	145-5945	1	Hydraulic Tube ASM
54:1	237-30	1	O-Ring
55	147-0196	1	Coupler-Pump, Bondioli

● Not serviced separately



Gear Pump Assembly No. 147-5115

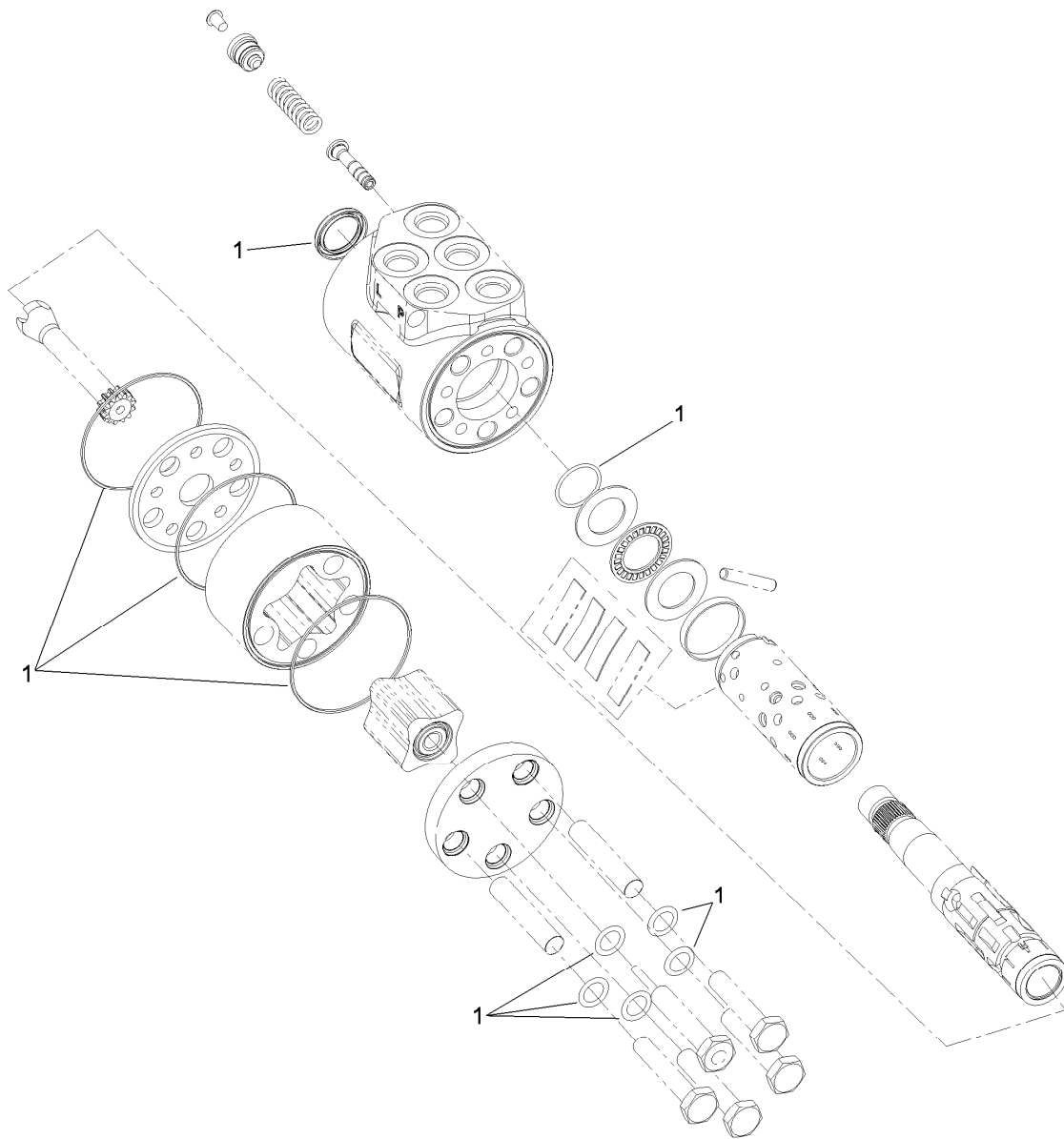
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	145-2794	1	Seal Kit



Hydraulic Cylinder No. 139-0854

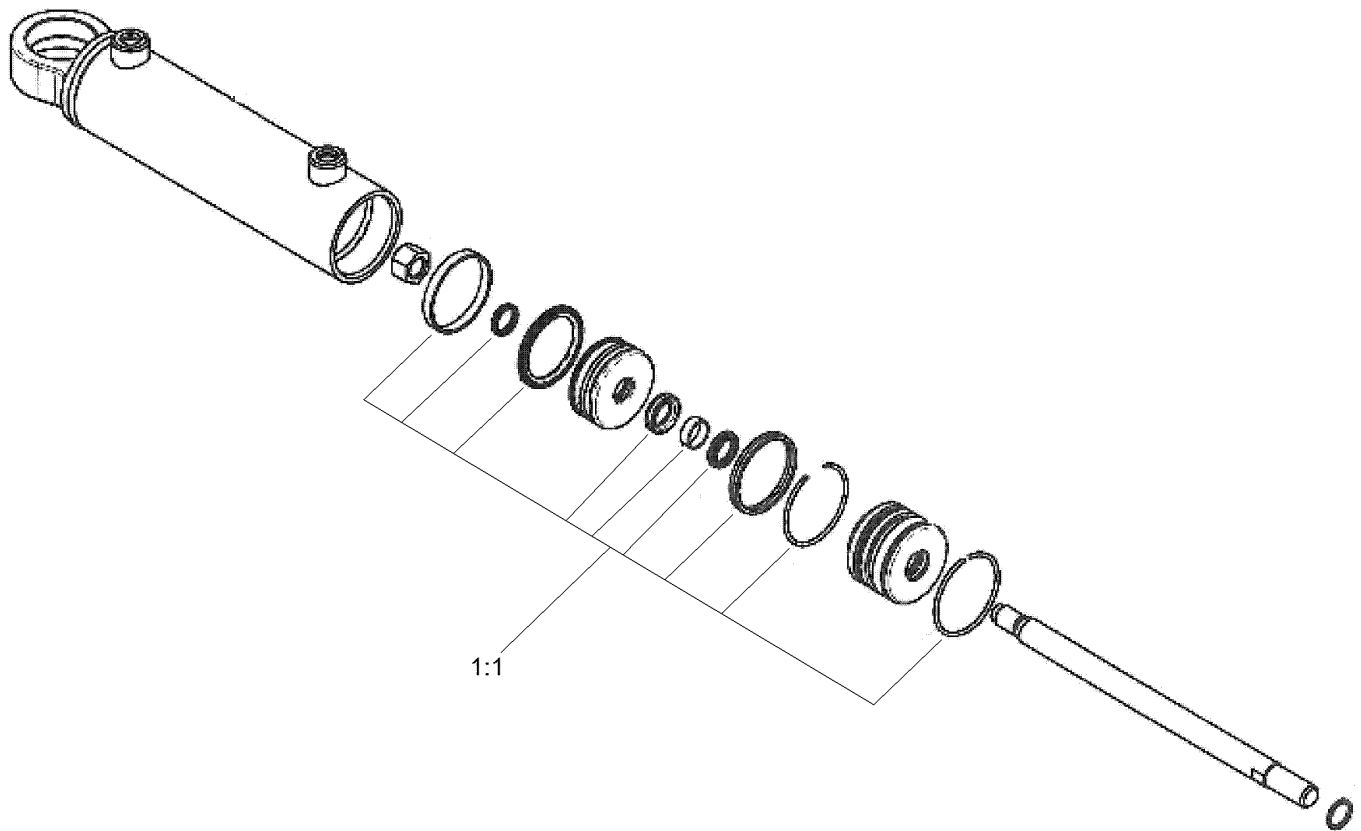
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-3110	1	Kit-Seal ●

● Not illustrated



Steering Valve Assembly No. 114-8119

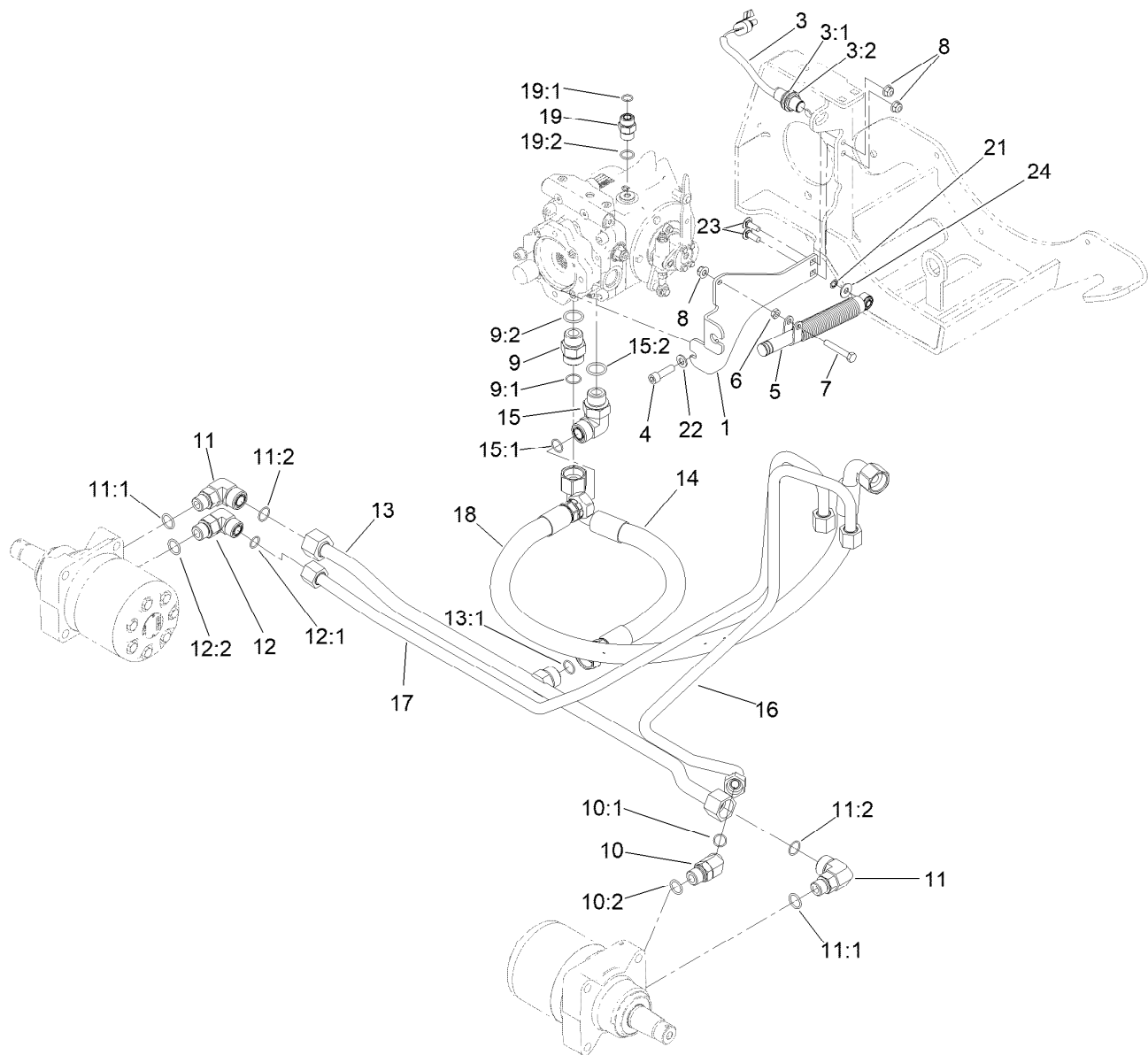
Ref.	Part Number	Qty.	Description
1	106-6716	1	Seal Kit



Steering Cylinder Assembly No. 139-6277

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:1	140-3120	1	Kit-Seal ●

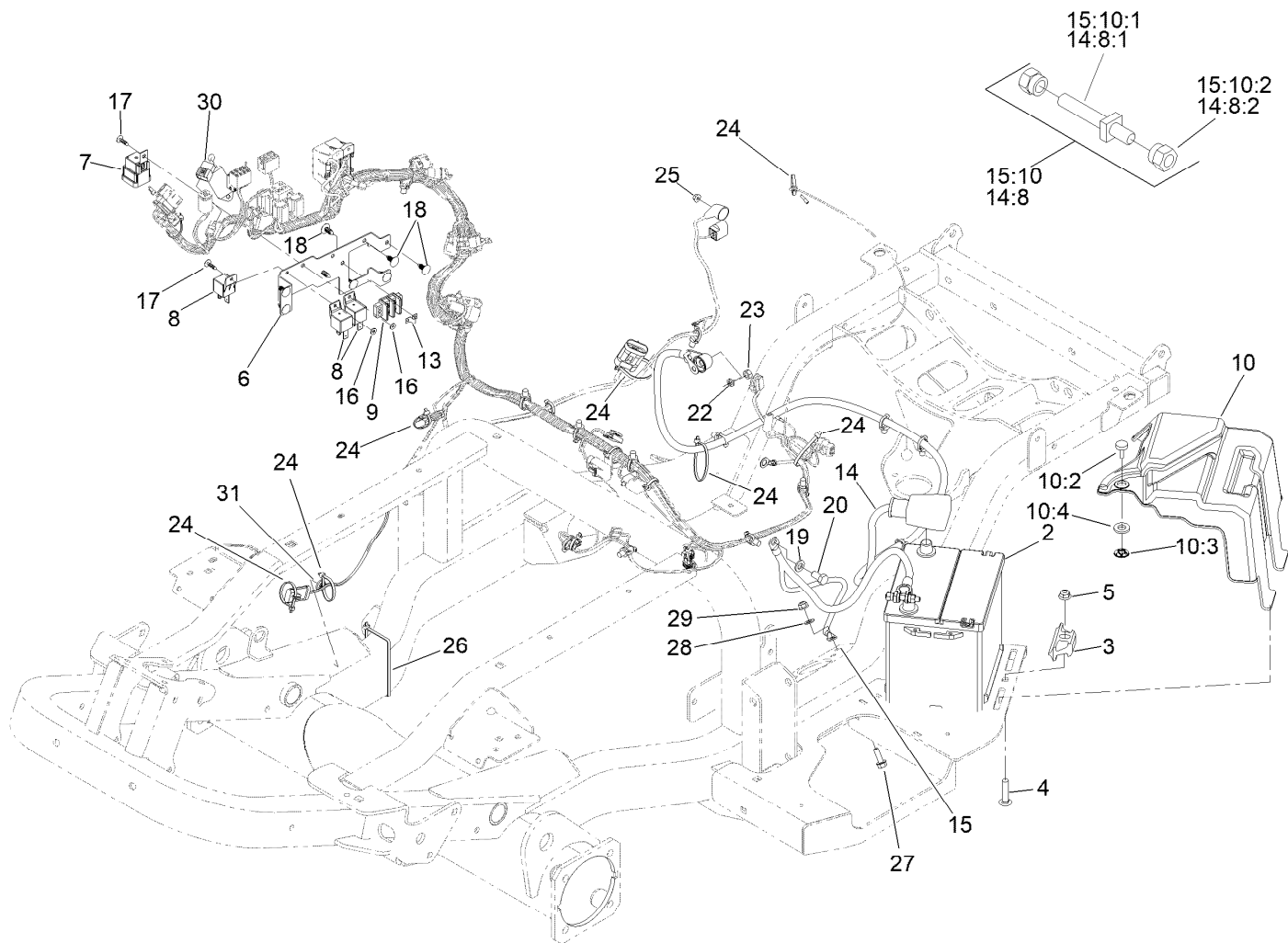
● Not illustrated



Hydraulic Traction Assembly

Ref.	Part Number	Qty.	Description
1	145-6065-0P	1	Plate-Cable Mount
3	115-5300	1	Proximity Switch ASM
3:1	117-3207	2	Nut-Hex
3:2	117-3208	2	Washer-Lock, Internal Tooth
4	ST80801	2	Screw-HSH
5	140-6248	1	Damper
6	3218-2	1	Nut-Hex Jam
7	322-10	1	Screw-HH
8	104-8300	3	Nut-HF, NI
9	340-9	1	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
11:1	237-80	1	O-Ring
11:2	237-58	1	O-Ring
12	340-17	1	Fitting-Elbow, 90 DEG

Ref.	Part Number	Qty.	Description
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	145-5928	1	Hose ASM-Hydraulic
15	340-142	1	Fitting-Elbow, 90 DEG
15:1	237-58	1	O-Ring
15:2	237-81	1	O-Ring
16	145-5929	1	Hydraulic Tube ASM
17	145-5923	1	Hydraulic Tube ASM
18	145-5927	1	Hose ASM-Hydraulic
19	340-4	1	Fitting-Straight
19:1	237-30	1	O-Ring
19:2	237-79	1	O-Ring
21	32151-72	1	Ring-Retaining
22	107-1413	2	Washer-Hardened
23	3230-10	2	Bolt-CARR
24	HDW14535	1	Flat Washer, 5/16 Nom,ST/ST,18-8



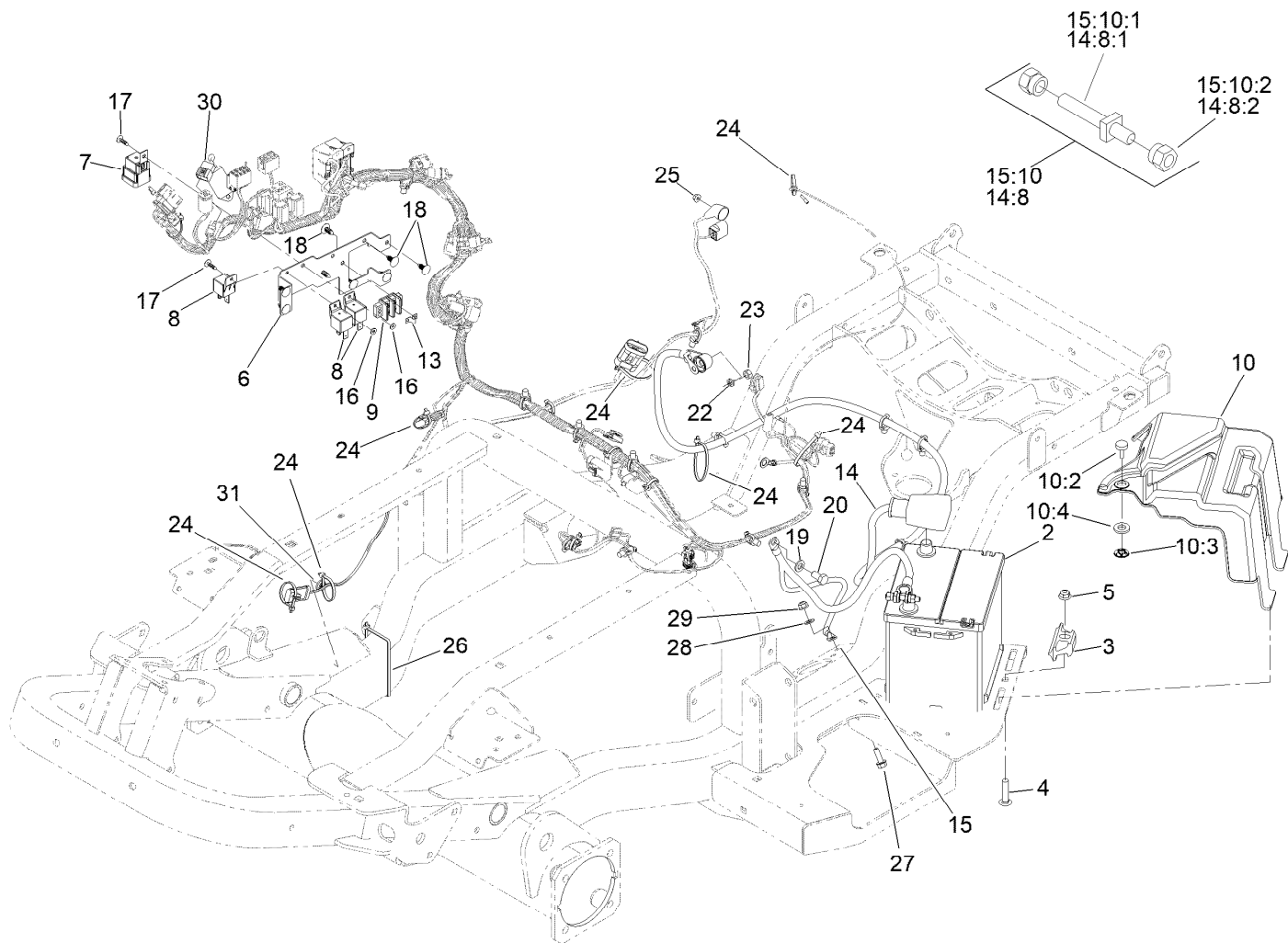
Electrical Assembly

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

Ref.	Part Number	Qty.	Description
14:8:2	32180-108	2	Nut-Hex Shoulder
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	7	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

● Not illustrated
▲ Not serviced separately

■ Obtain locally.



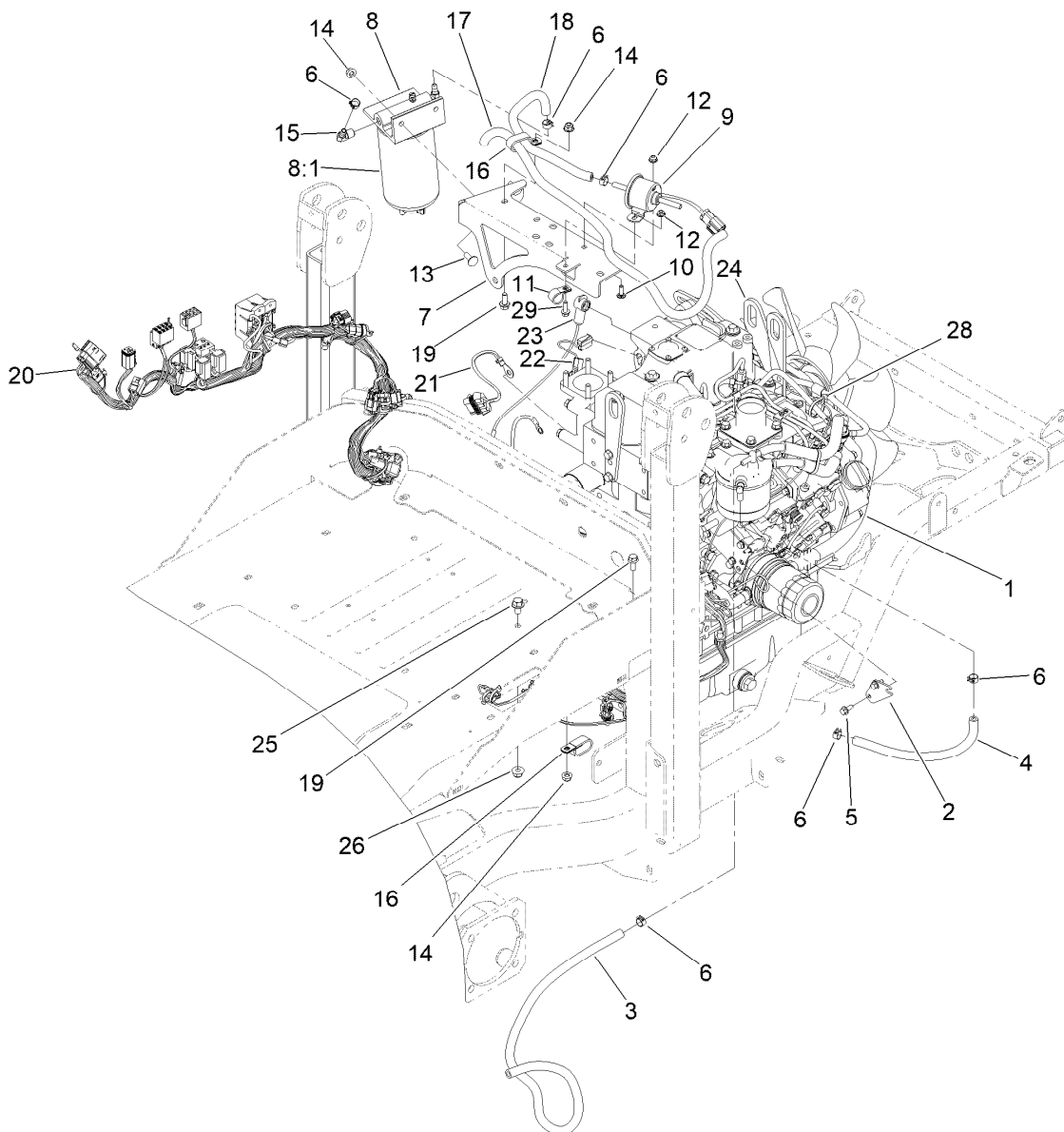
Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
29	104-8300	1	Nut-HF, NI

Ref.	Part Number	Qty.	Description
30	134-1507RT01	1	Timer-Glowplug
31	32180-139	1	Mount-Tie Wrap, Magnetic

● Not illustrated
▲ Not serviced separately

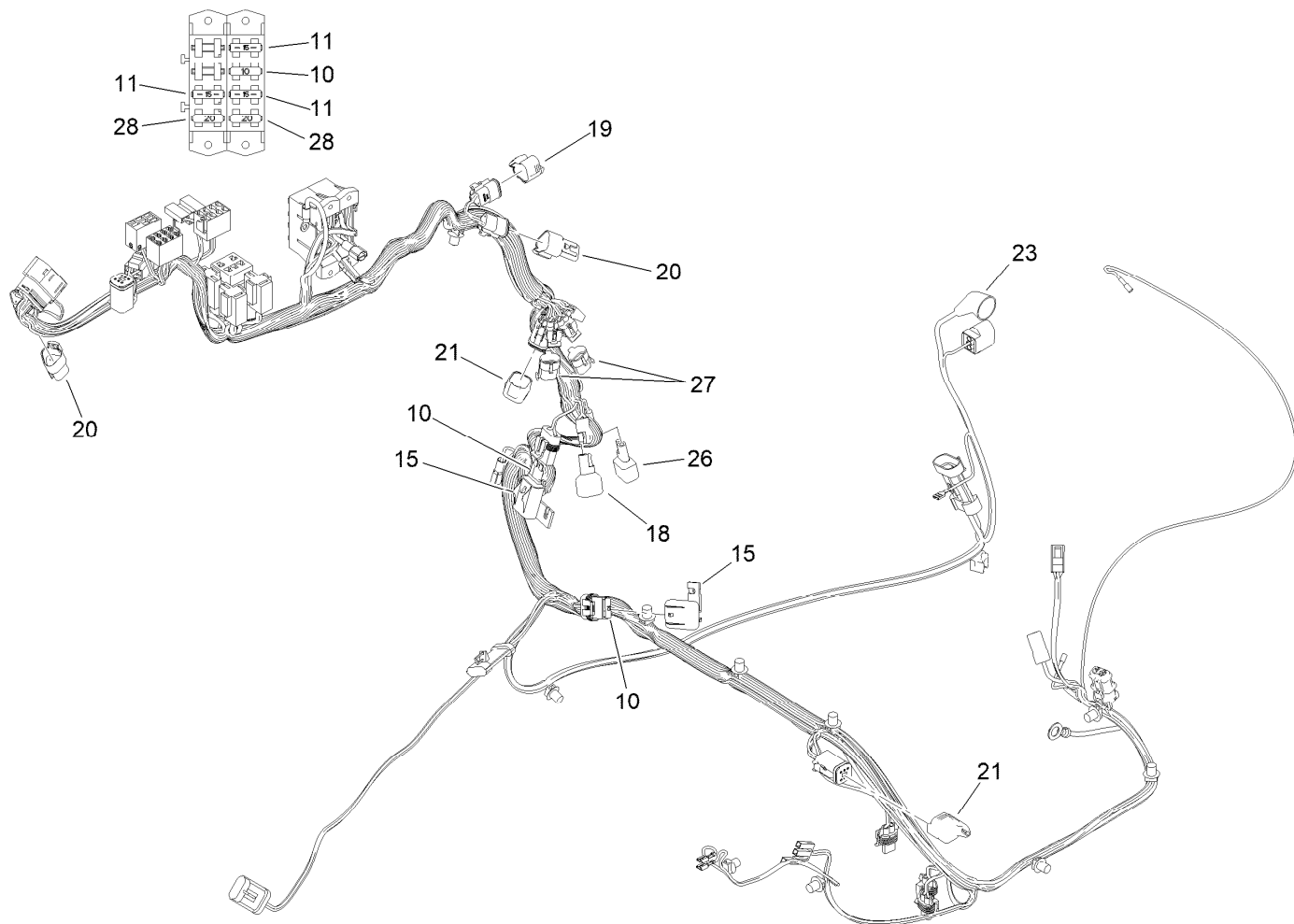
■ Obtain locally.



Engine, Main Wire Harness and Fuel Assembly

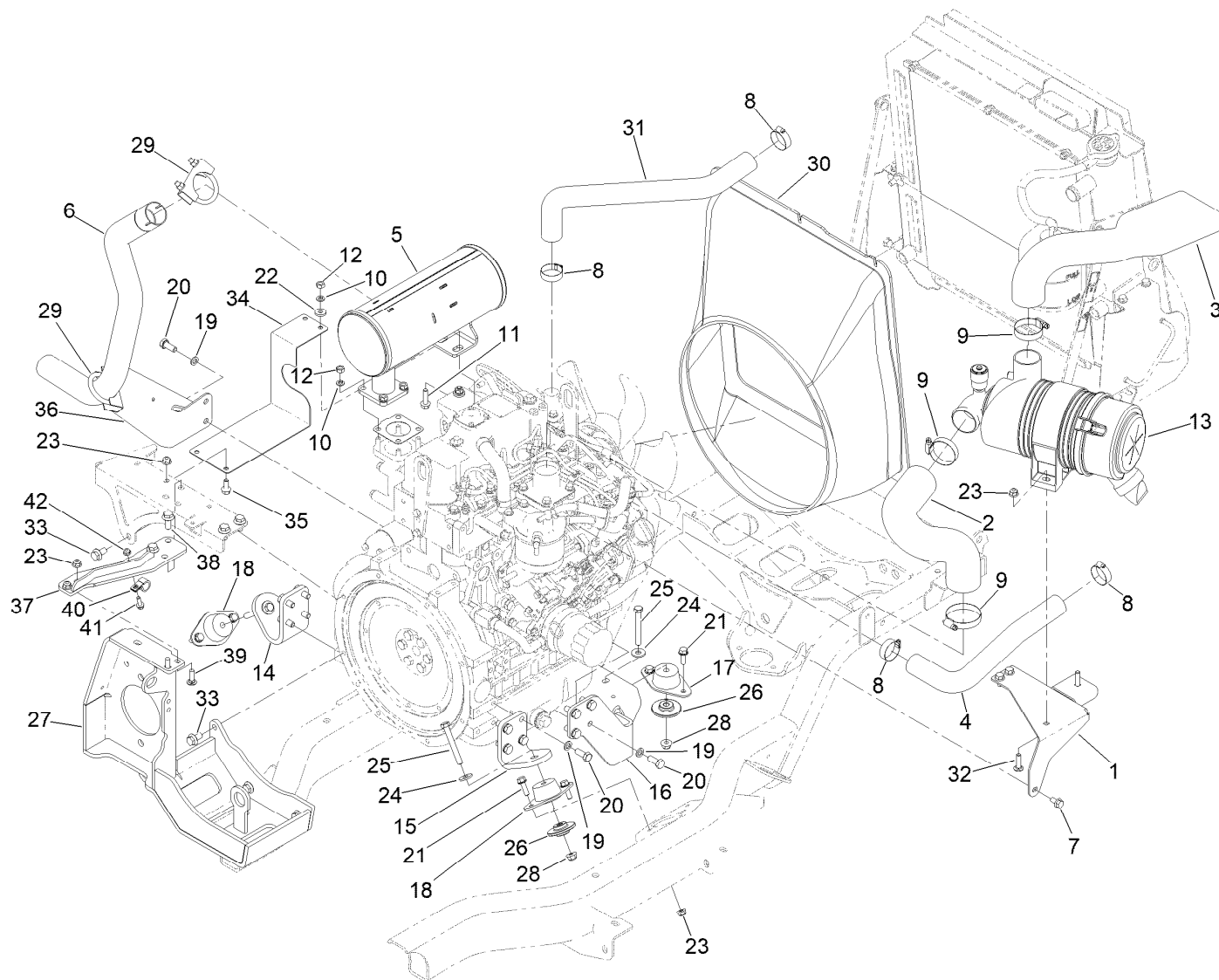
Ref.	Part Number	Qty.	Description
1	139-6249	1	Engine-Yanmar
2	139-6267	1	Plate-Throttle
3	110-9662	1	Hose-Fuel
4	110-4104	1	Hose-Fuel
5	33103-016	2	Screw-HHF
6	92-2379	6	Clamp-Hose
7	144-4098-0P	1	Bracket-Filter Mount [primed]
8	125-2914	1	Filter-Separator
8:1	125-2915	1	Filter-Fuel/Water Separator
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
29	120-9678	1	Screw-HHF



Wire Harness Assembly No. 122-2518

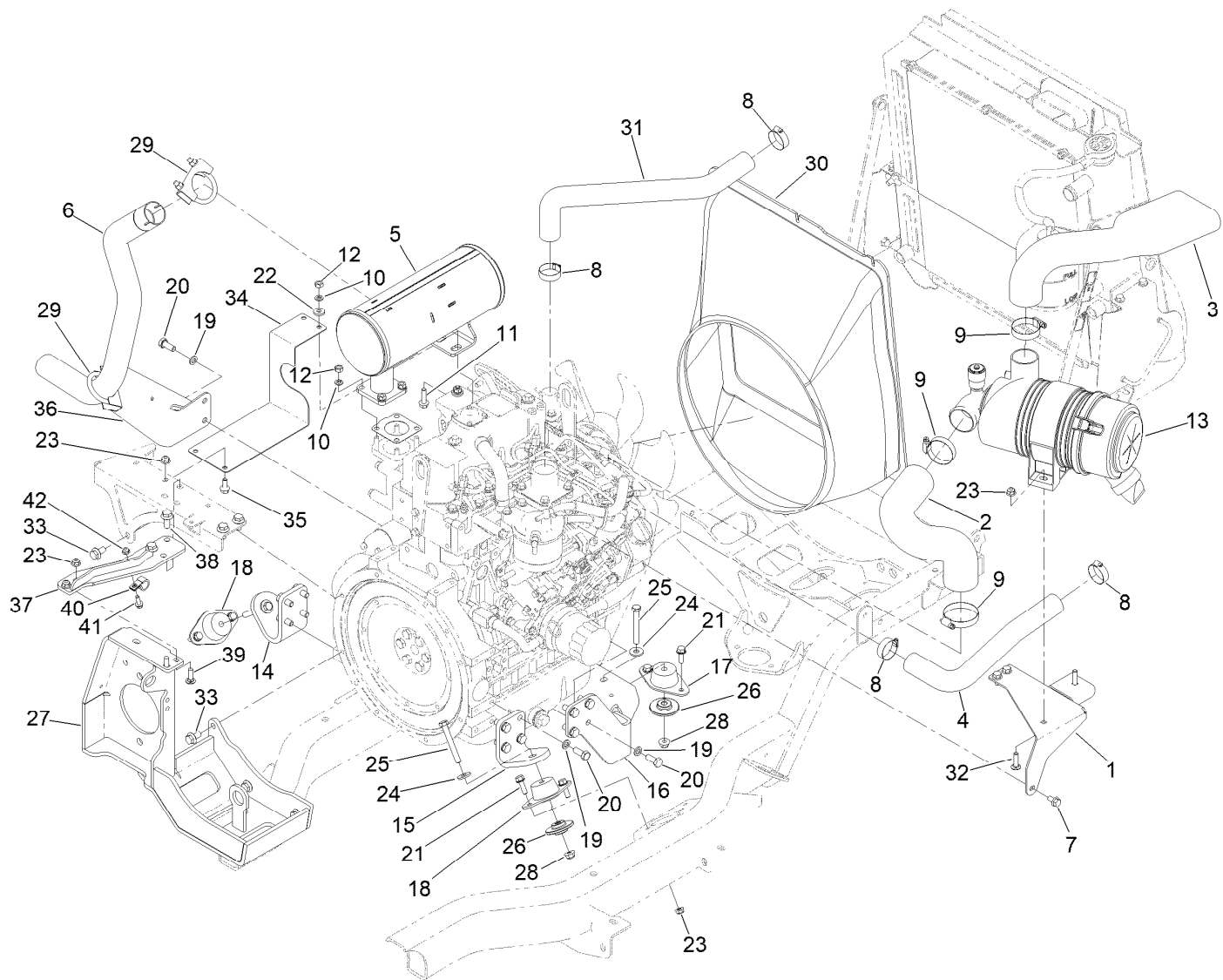
Ref.	Part Number	Qty.	Description
10	218-578	3	Fuse-Blade, 10 Amp
11	109355	3	Fuse-Blade, 15 Amp
15	32180-019	2	Cover-Fuse, Single
18	108-9493	1	Diode-Tvs
19	32180-089	1	Cap-Plug, 3 Way
20	32180-043	2	Resistor-120 Ohm
21	32180-156	2	Cap-Plug, 6 Way
23	32180-017	1	Insulator-Terminal, Black
26	104-4022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



Engine Mount, Exhaust and Air Cleaner Assembly

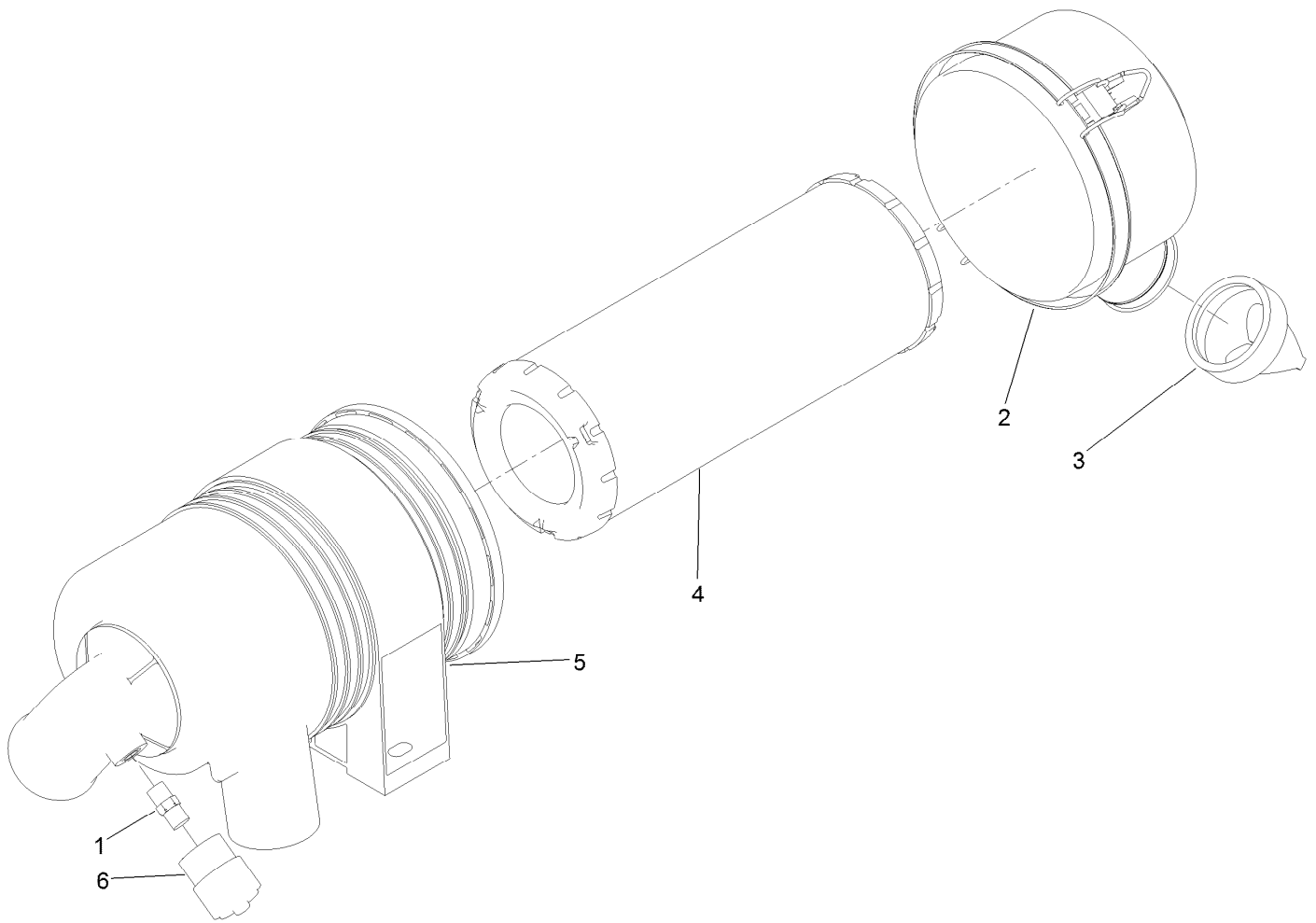
Ref.	Part Number	Qty.	Description
1	139-6260-0P	1	Bracket-Air Cleaner [primed]
2	139-6263	1	Hose-Cleaner, Air
3	139-6264	1	Hose-Intake, Air
4	139-6265	1	Hose-Radiator, Lower
5	139-6269	1	Muffler ASM
6	144-0571	1	Pipe-Exhaust
7	33104-016	3	Screw-HHF
8	2412-34	4	Clamp-Hose
9	2412-130	3	Clamp-Hose
10	3253-4	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 [primed]
17	120-6274	1	Mount-Engine
18	139-0856	2	Mount-Engine
19	48-9590	16	Washer-Lock
20	33115-025	16	Screw-HH

Ref.	Part Number	Qty.	Description
21	3234-29	6	Screw-HHF
22	88-7200	2	Washer-Flat
23	104-8300	11	Nut-HF, NI
24	80-6990	3	Washer-Hardened
25	323-14	3	Screw-HH
26	138-6462	3	Support-Isolator
27	145-6016-0P	1	Bracket-Pump Mount ASM [primed]
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	6	Screw-HHF
34	140-7186	1	Bracket-Heat Shield
35	3234-47	1	Screw-HHF
36	144-0514-03	1	Support-Tailpipe
37	145-5955-0P	1	Bracket-Pump [primed]
38	33105-025	2	Screw-HHF
39	3230-2	2	Bolt-CARR
40	2412-87	1	Clamp-Cable



Engine Mount, Exhaust and Air Cleaner Assembly (continued)

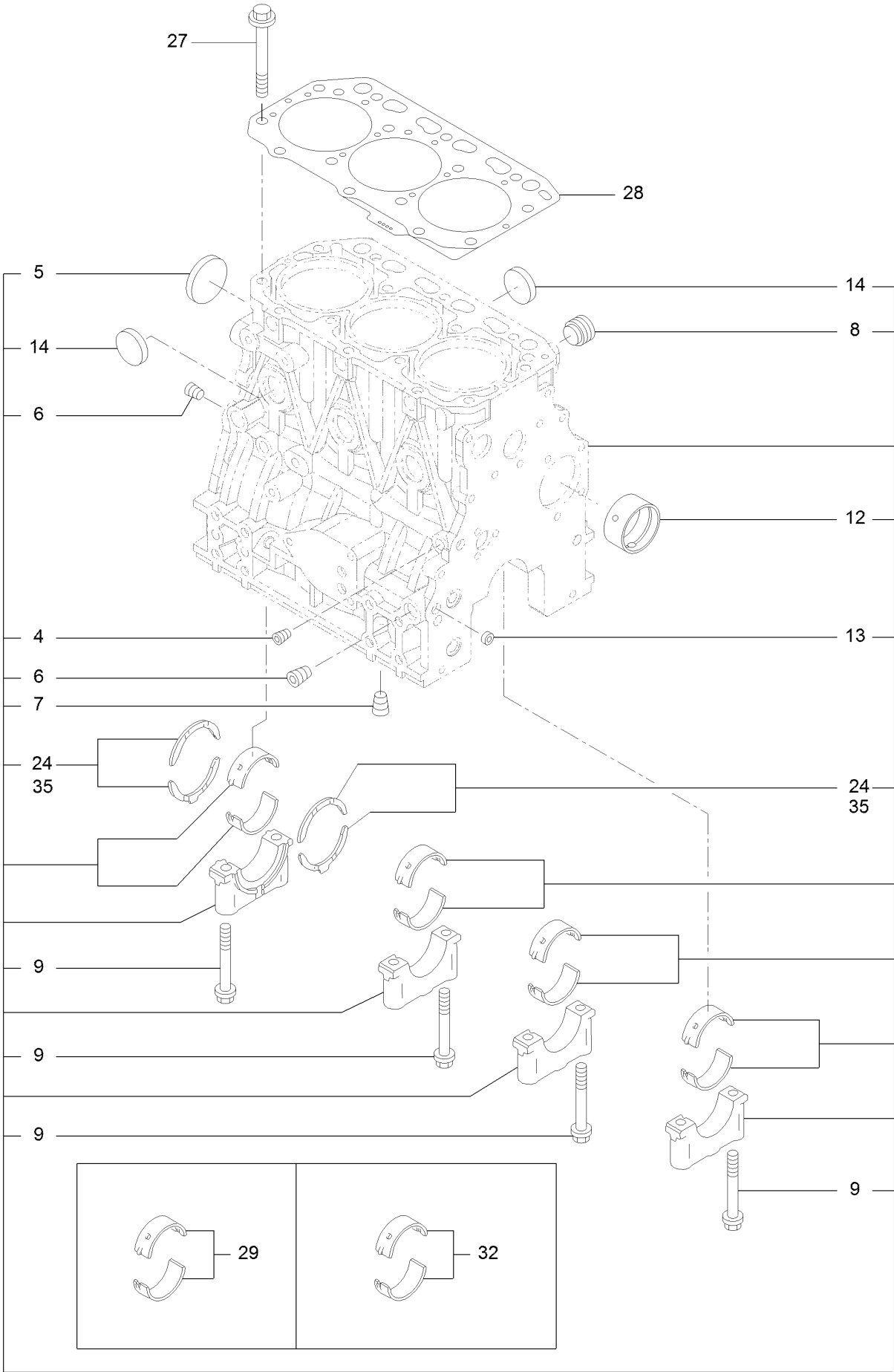
Ref.	Part Number	Qty.	Description
41	120-9678	1	Screw-HHF
42	104-7201	1	Nut-HF, NI



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

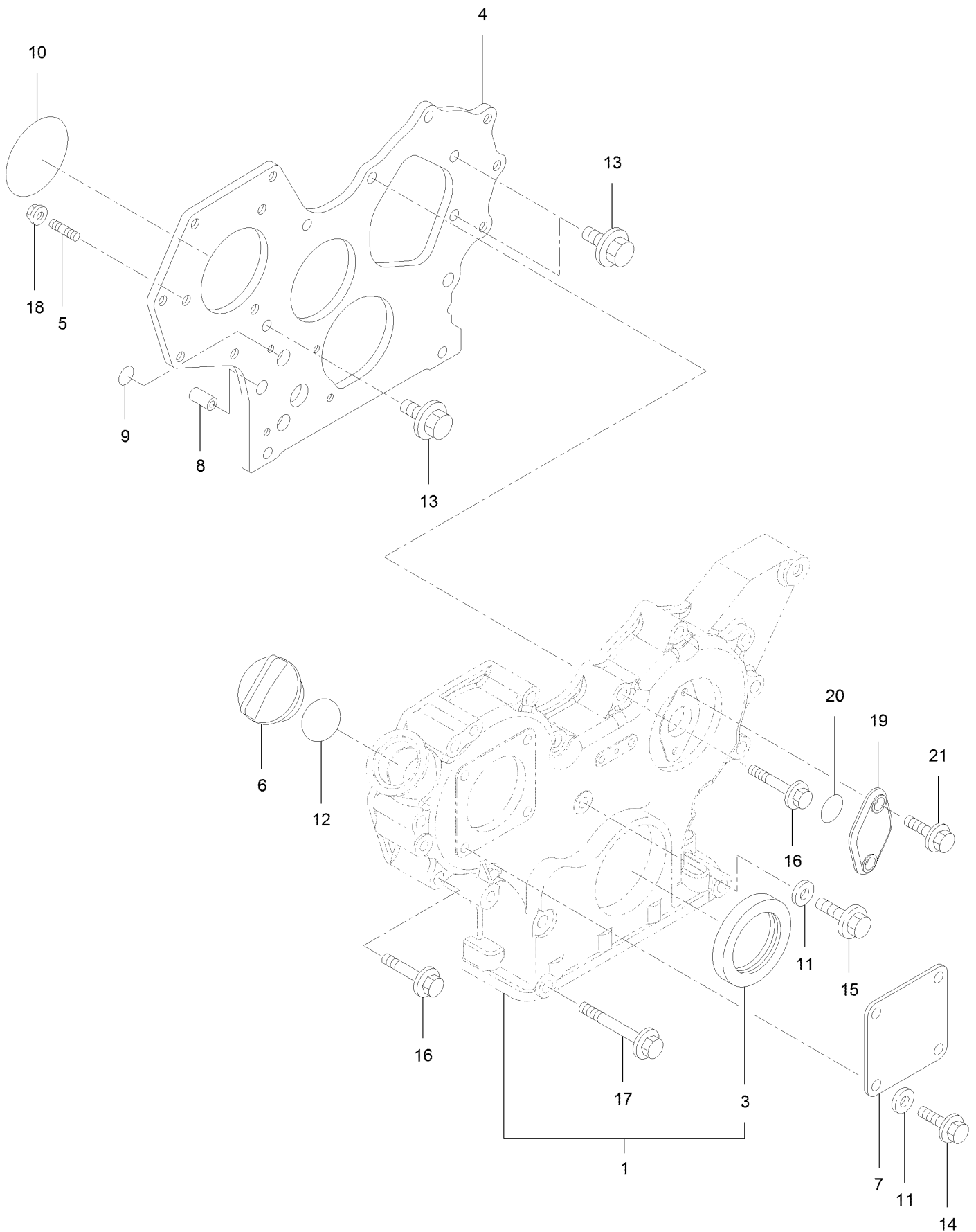
Cylinder Block Assembly



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)

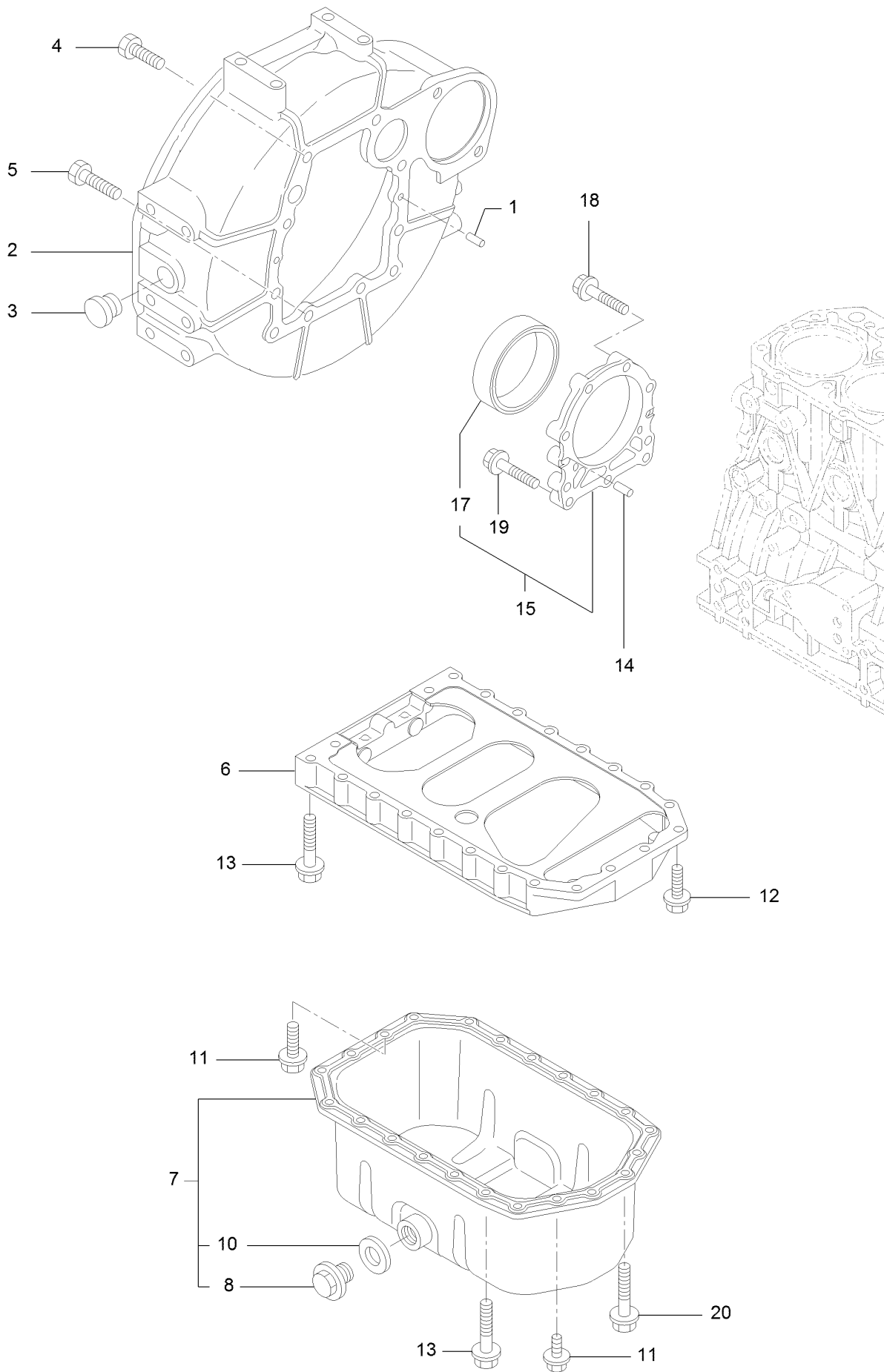
Gear Housing Assembly



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

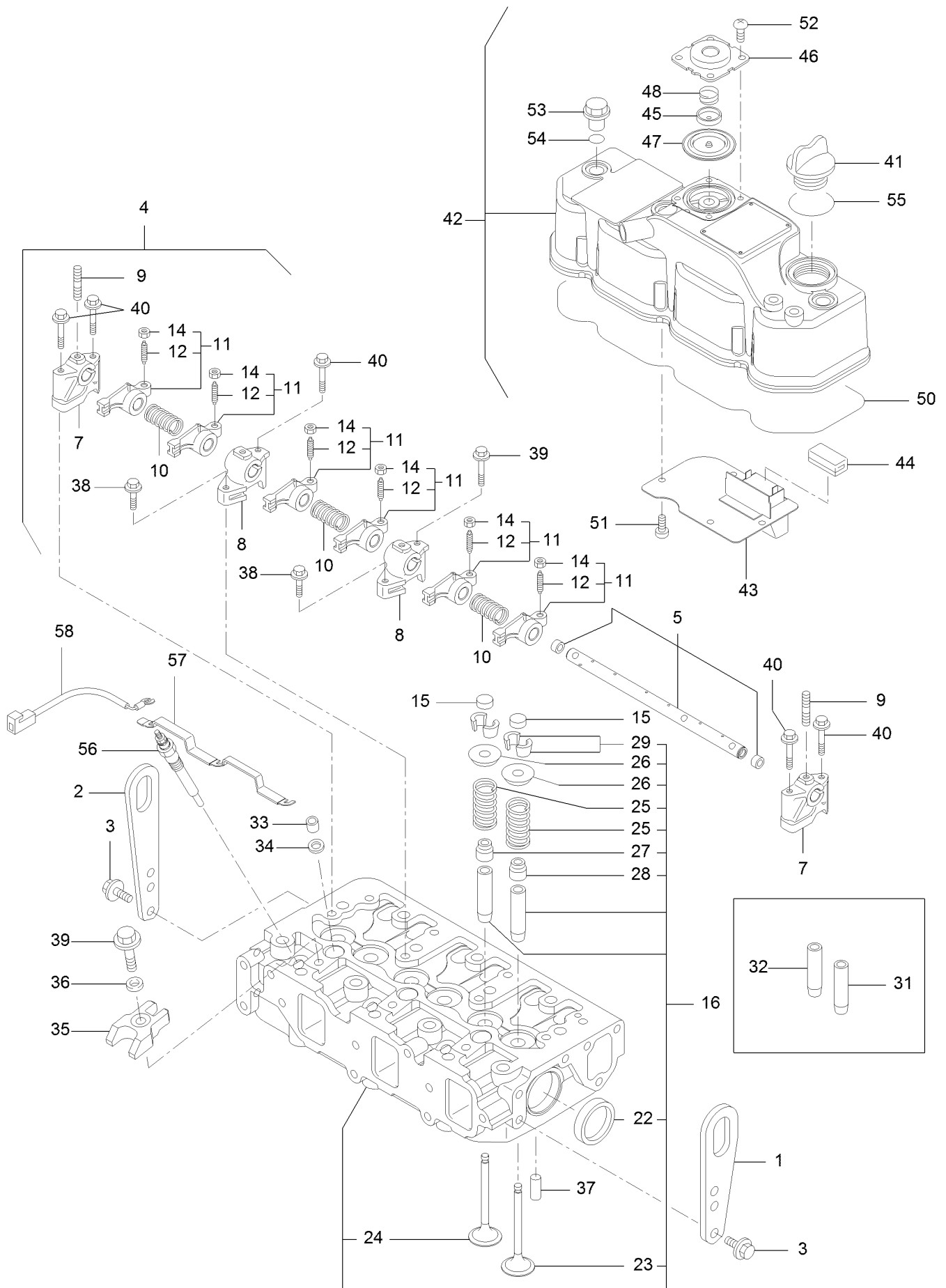
Mounting Flange and Oil Sump Assembly



Mounting Flange and Oil Sump Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	125-6995	2	Pin	11	125-7214	4	Bolt
2	125-7100	1	Housing	12	125-7215	2	Bolt
3	125-6910	1	Cap	13	125-7219	16	Bolt
4	125-7226	6	Bolt	14	125-6995	2	Pin
5	125-7227	4	Bolt	15	140-7173	1	Oil Seal Case ASM
6	127-3756	1	Spacer	17	140-7174	1	Seal-Oil
7	135-4010	1	Oil Pan ASM	18	125-7045	6	Bolt
8	125-6912	1	Plug-Drain	19	125-7217	3	Bolt
10	125-7177	1	Washer-Seal	20	125-7220	4	Bolt

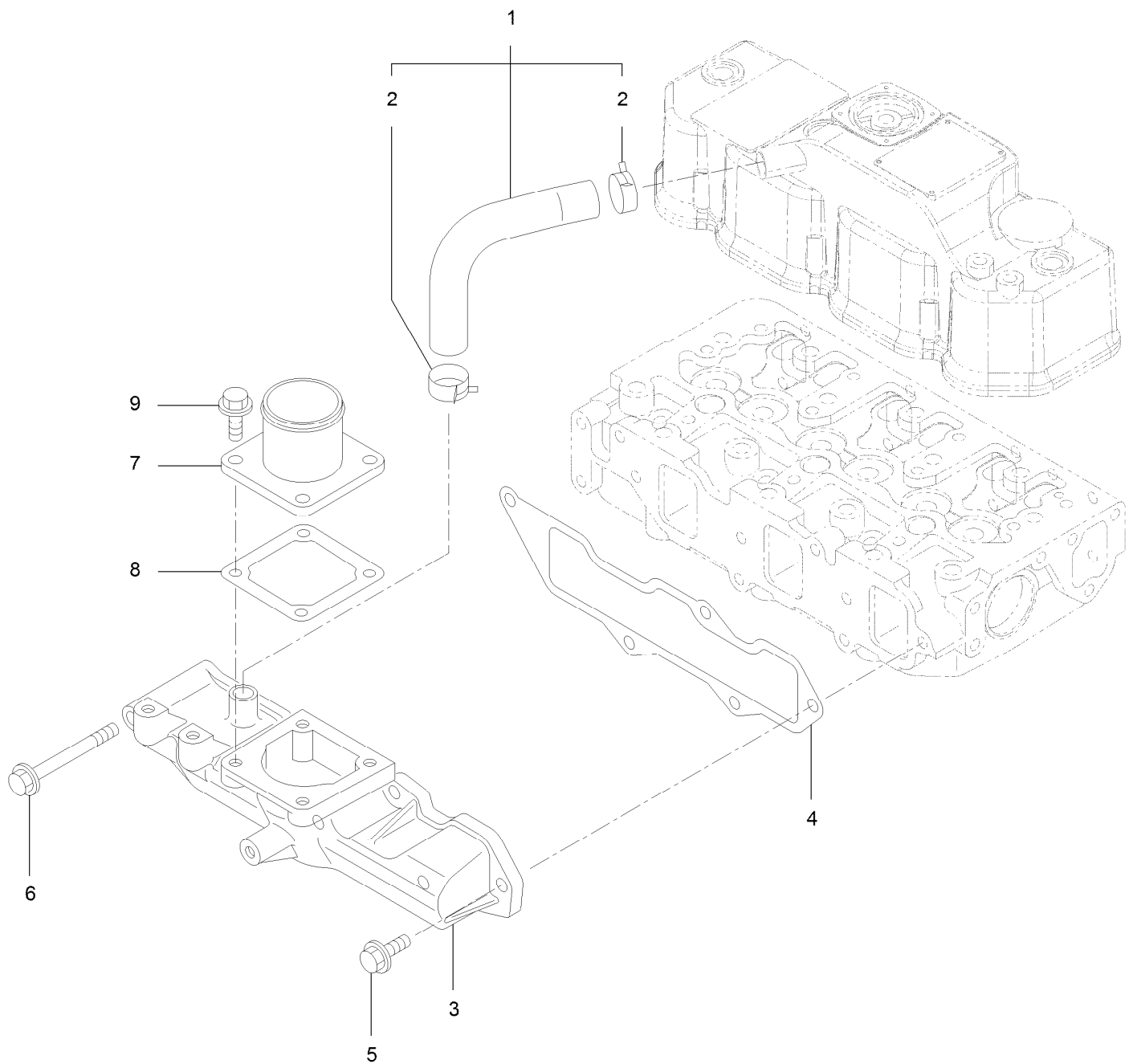
Cylinder Head Assembly



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

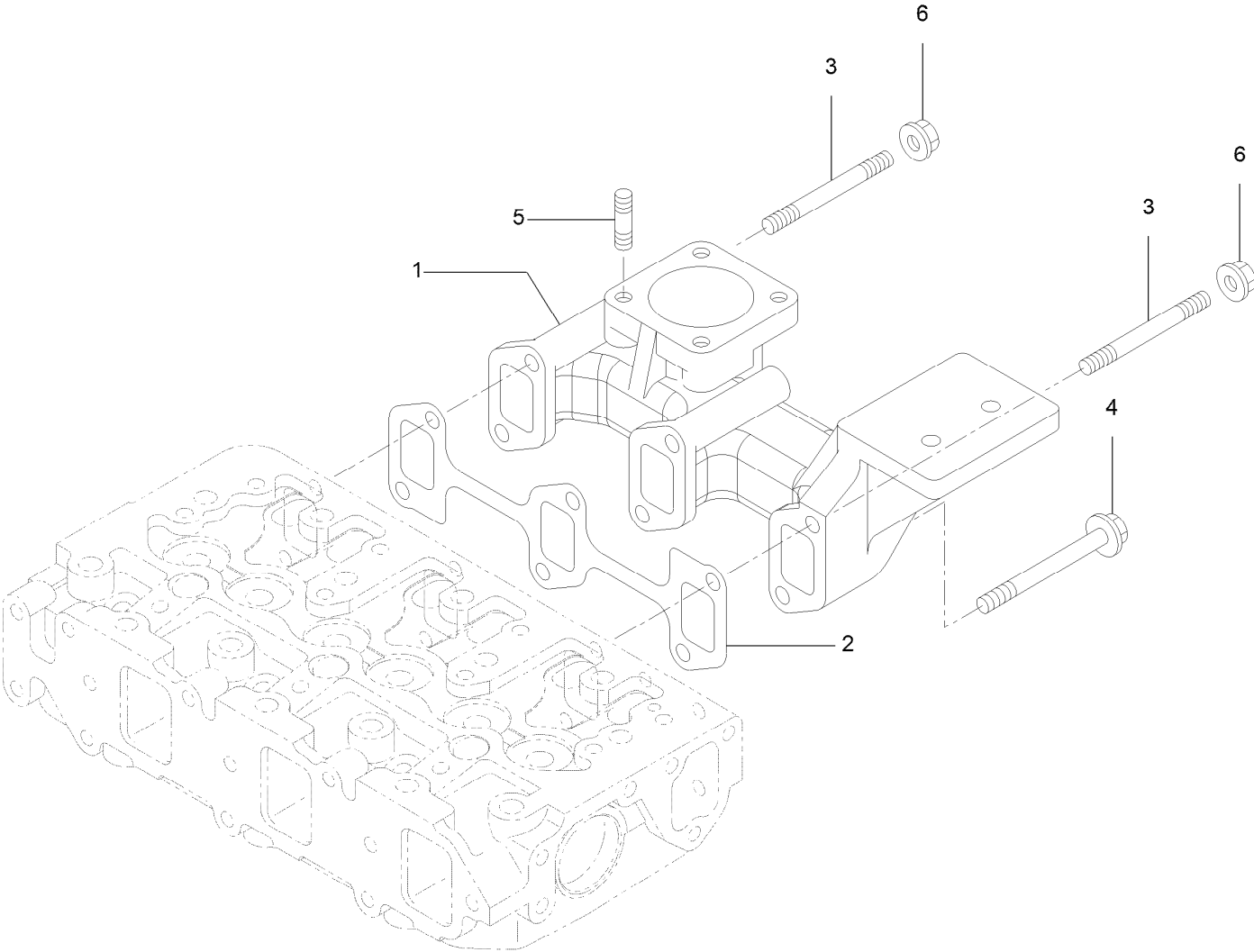


Suction Manifold Assembly (continued)

<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

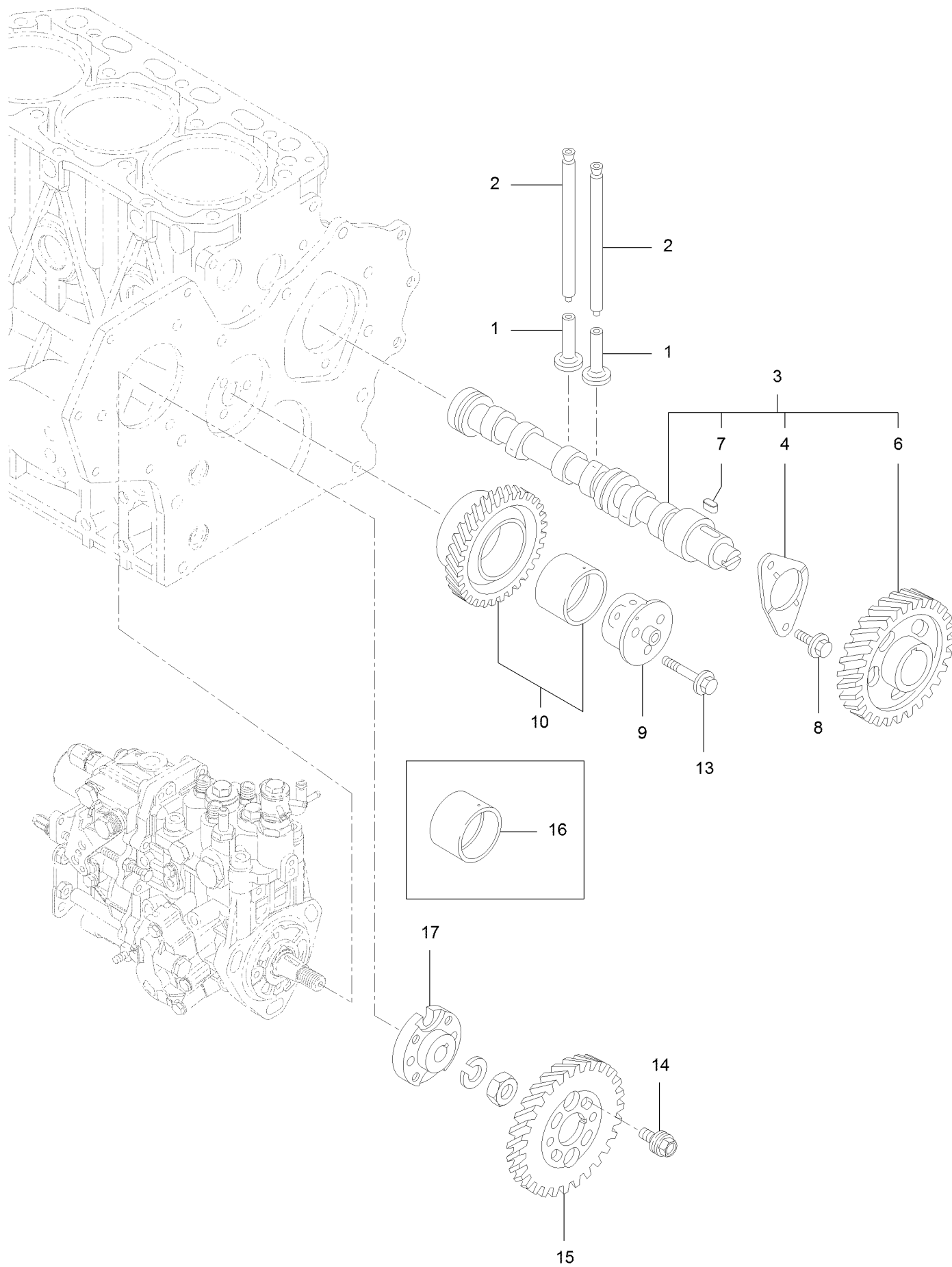
Exhaust Manifold Assembly



Exhaust Manifold Assembly (continued)

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

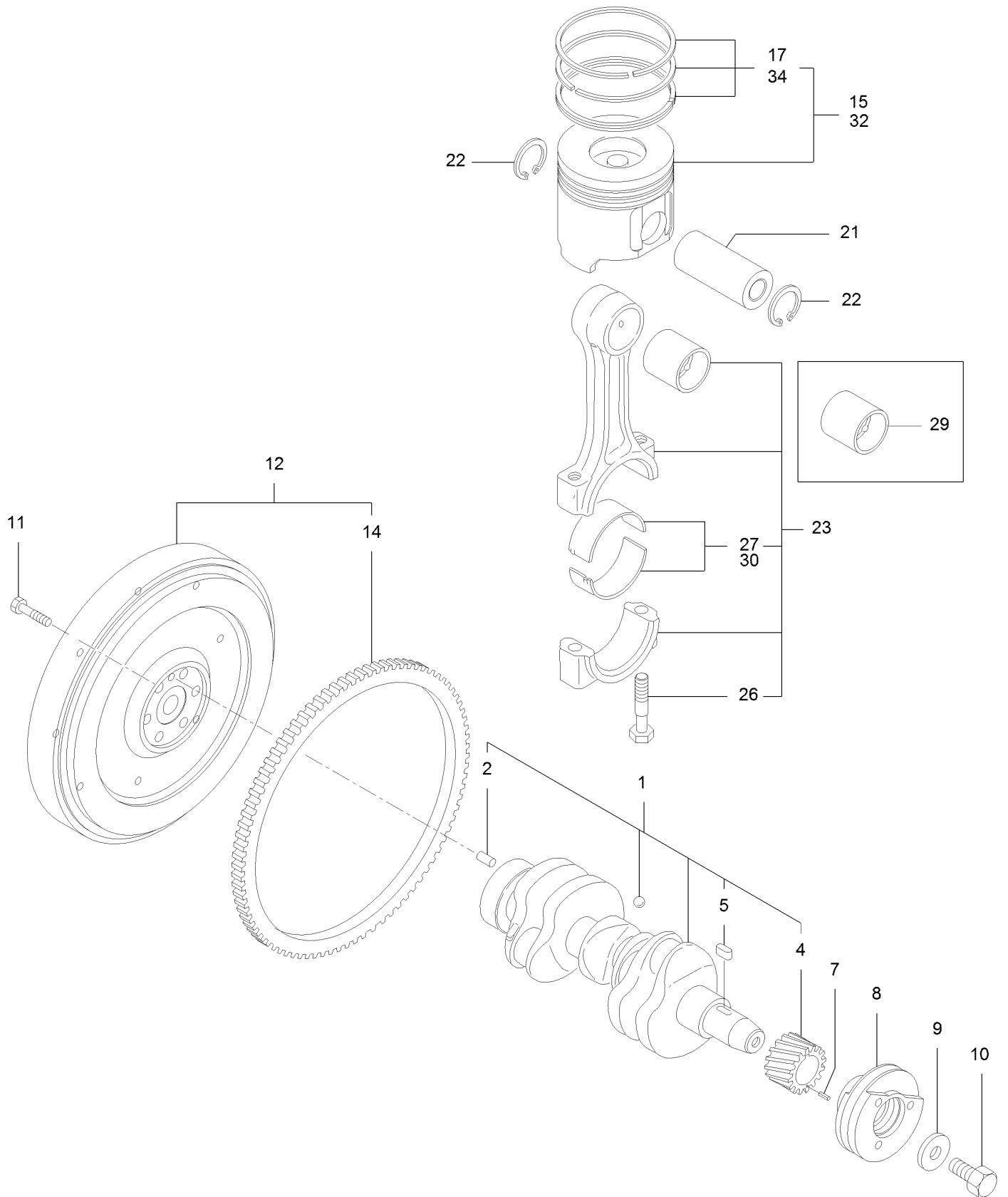
Camshaft Assembly



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

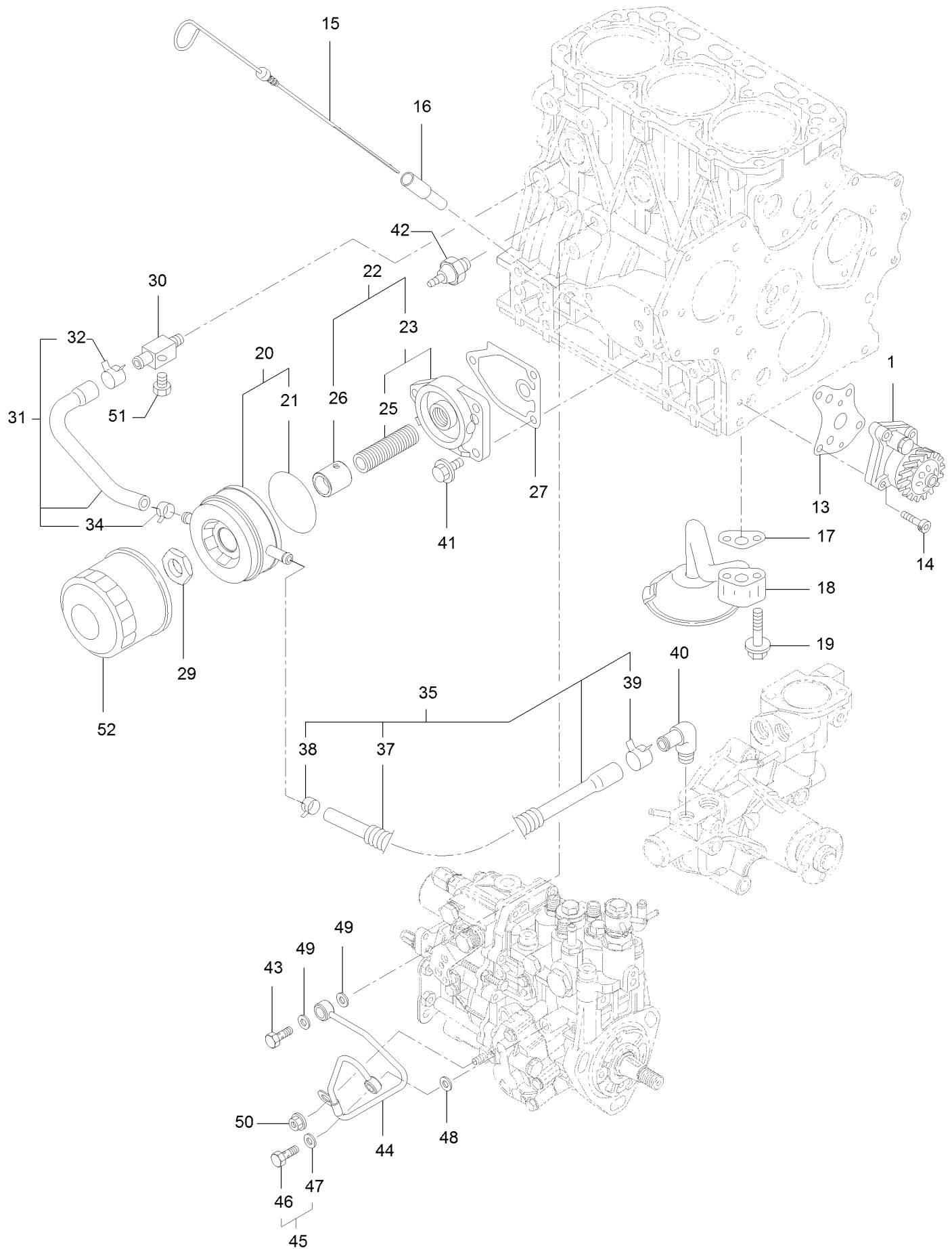
Crankshaft Assembly



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

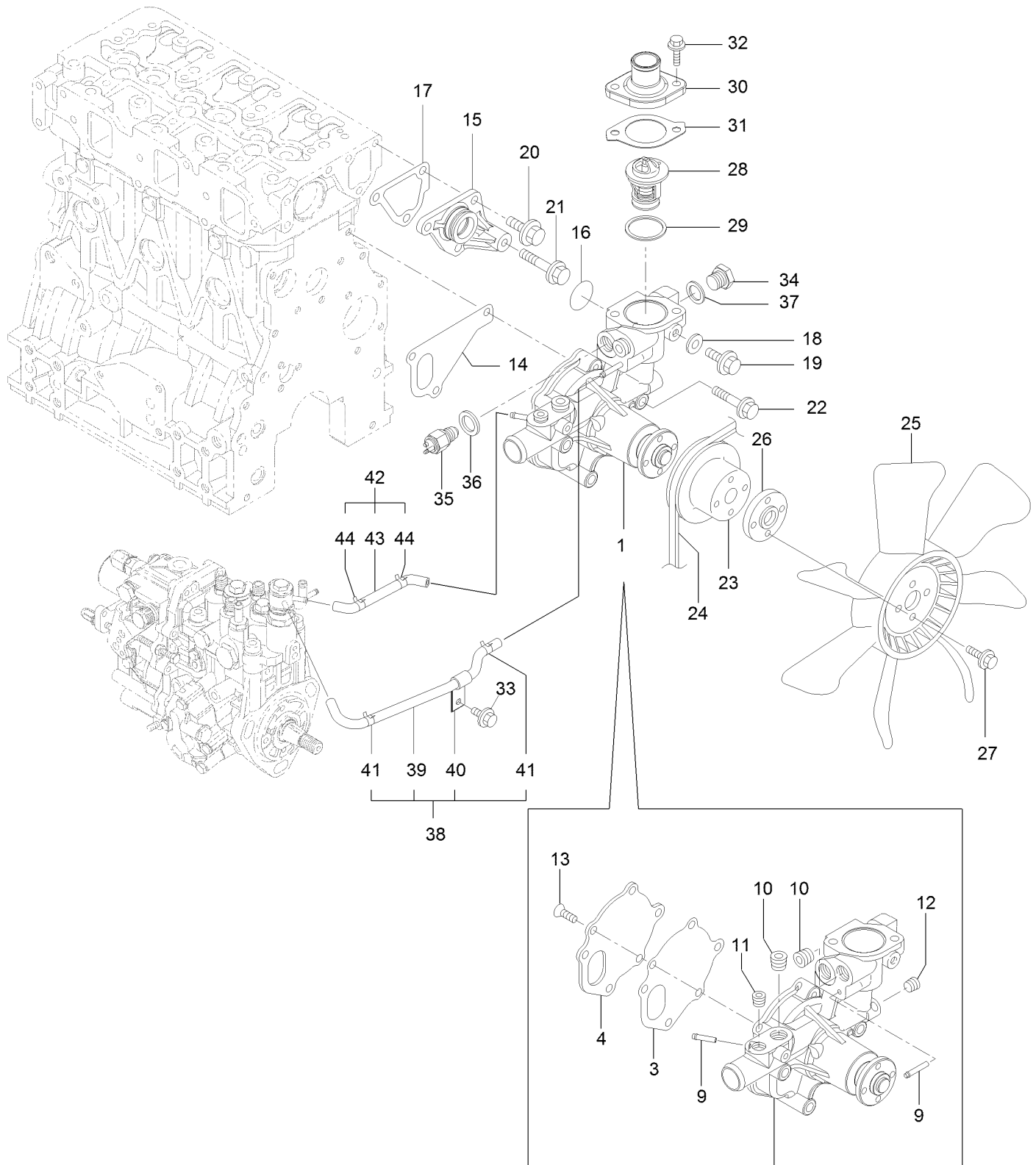
Oil Pump and Filter Assembly



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				

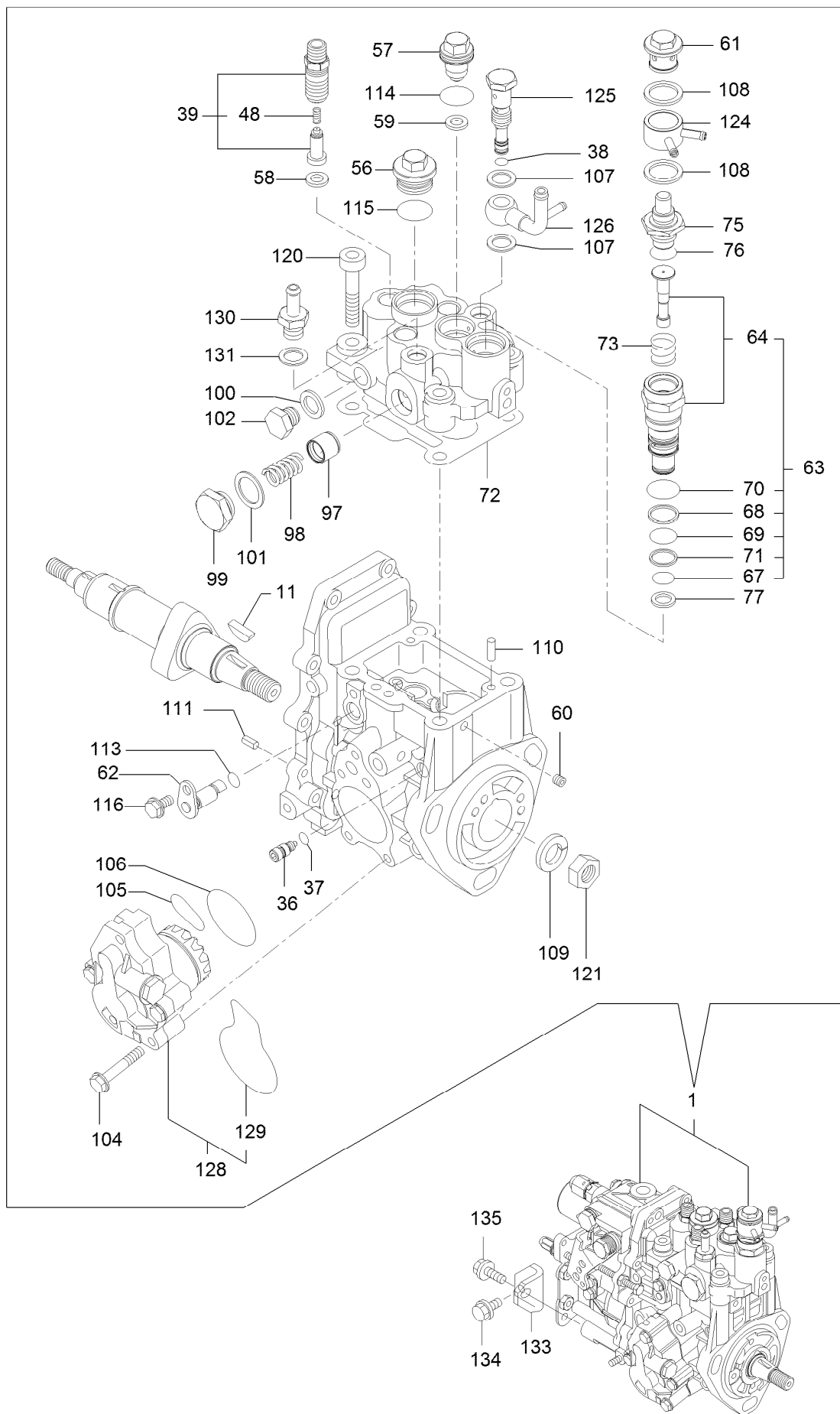
Water Pump and Fan Assembly



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 (X1 Terminal)
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				

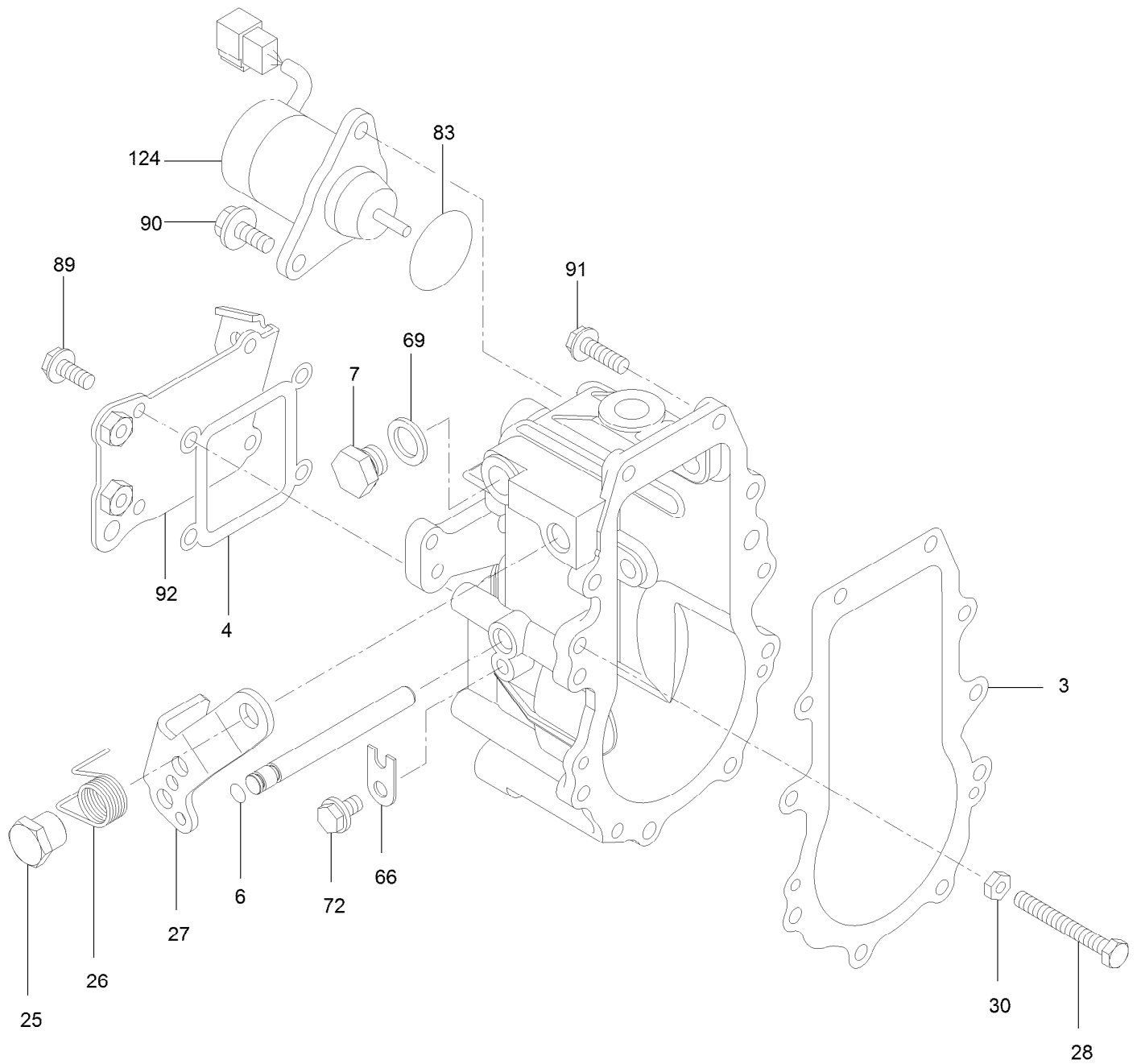
Fuel Injection Pump Assembly



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

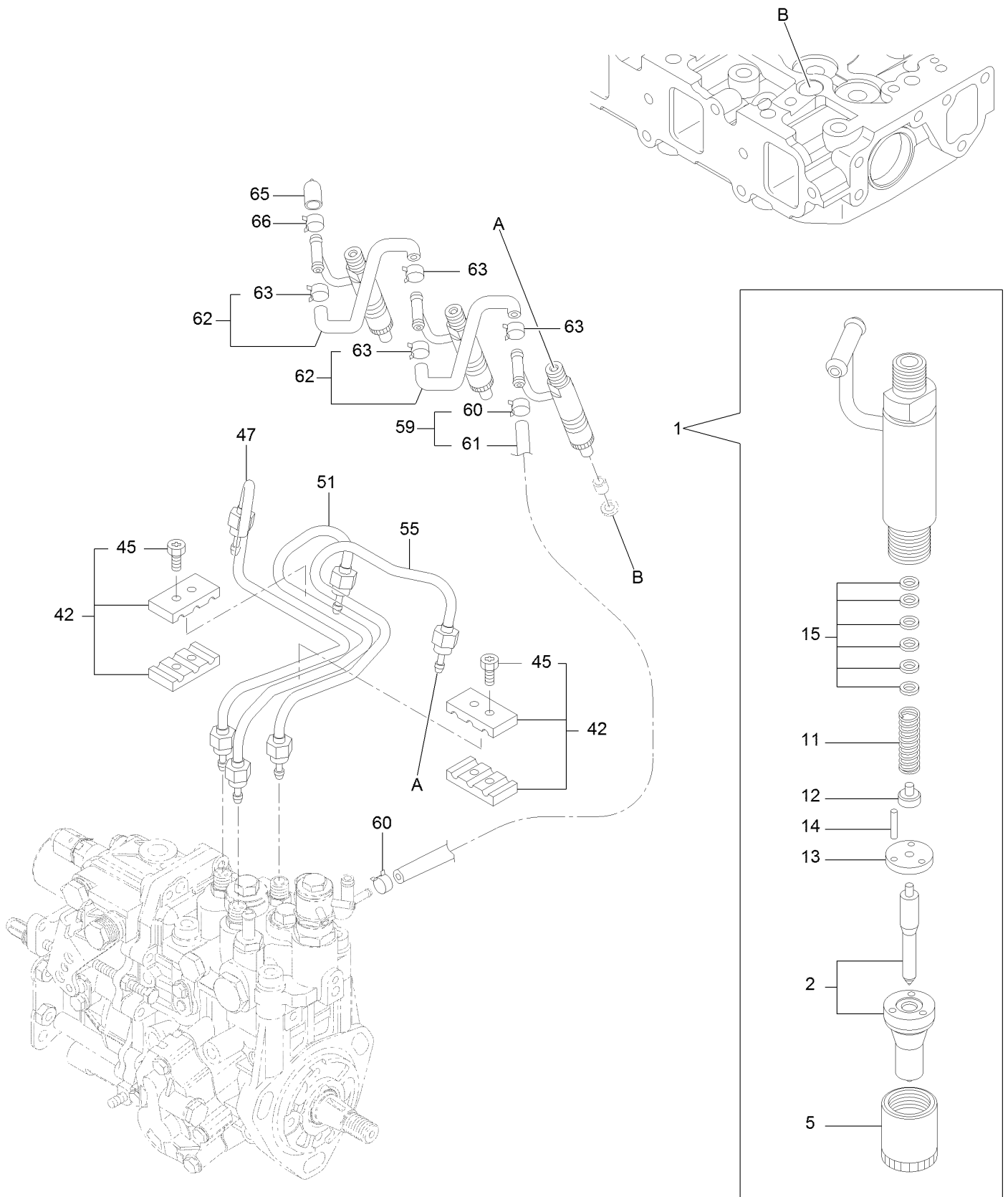
Governor Assembly



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

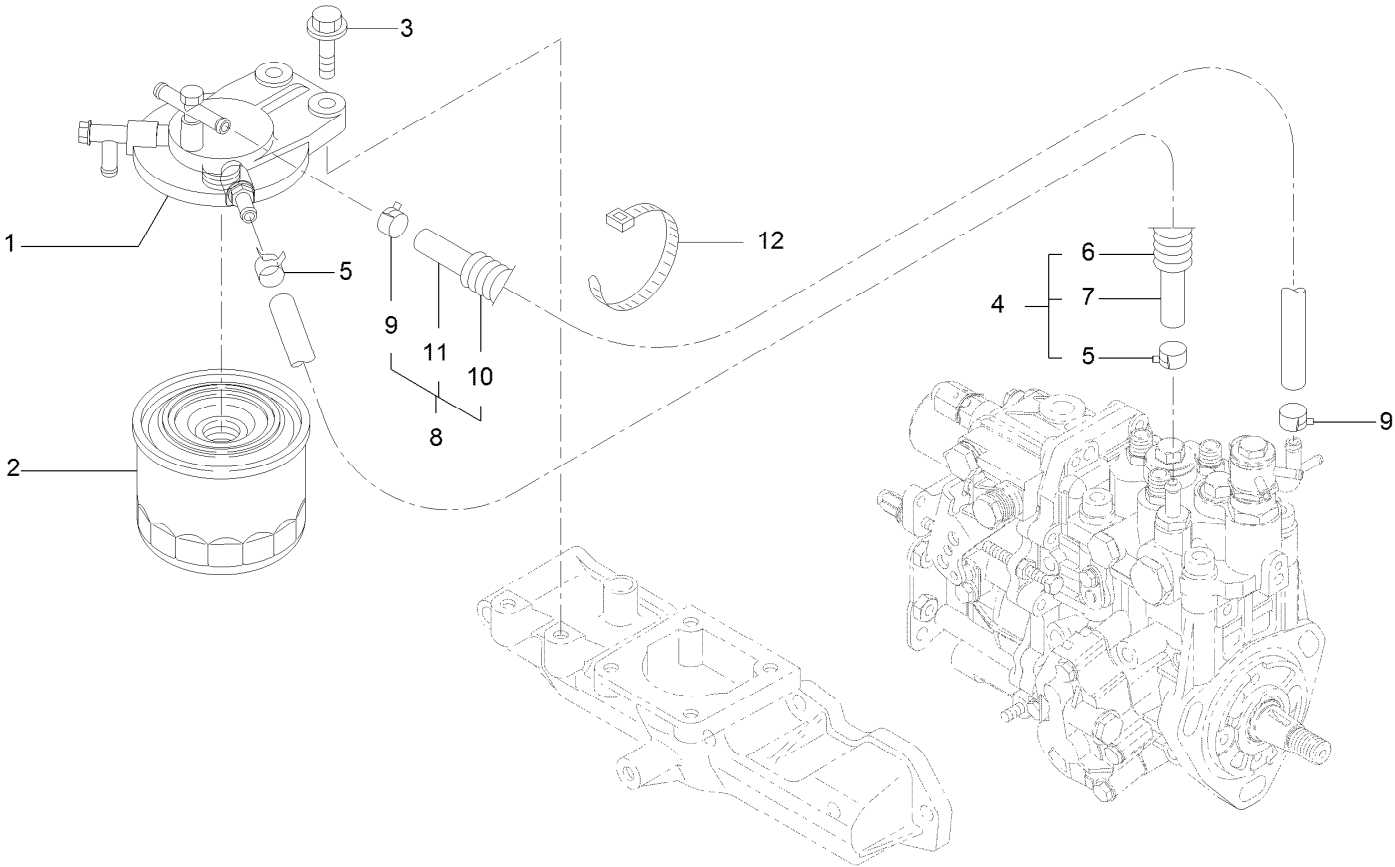
Fuel Injection Valve Assembly



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

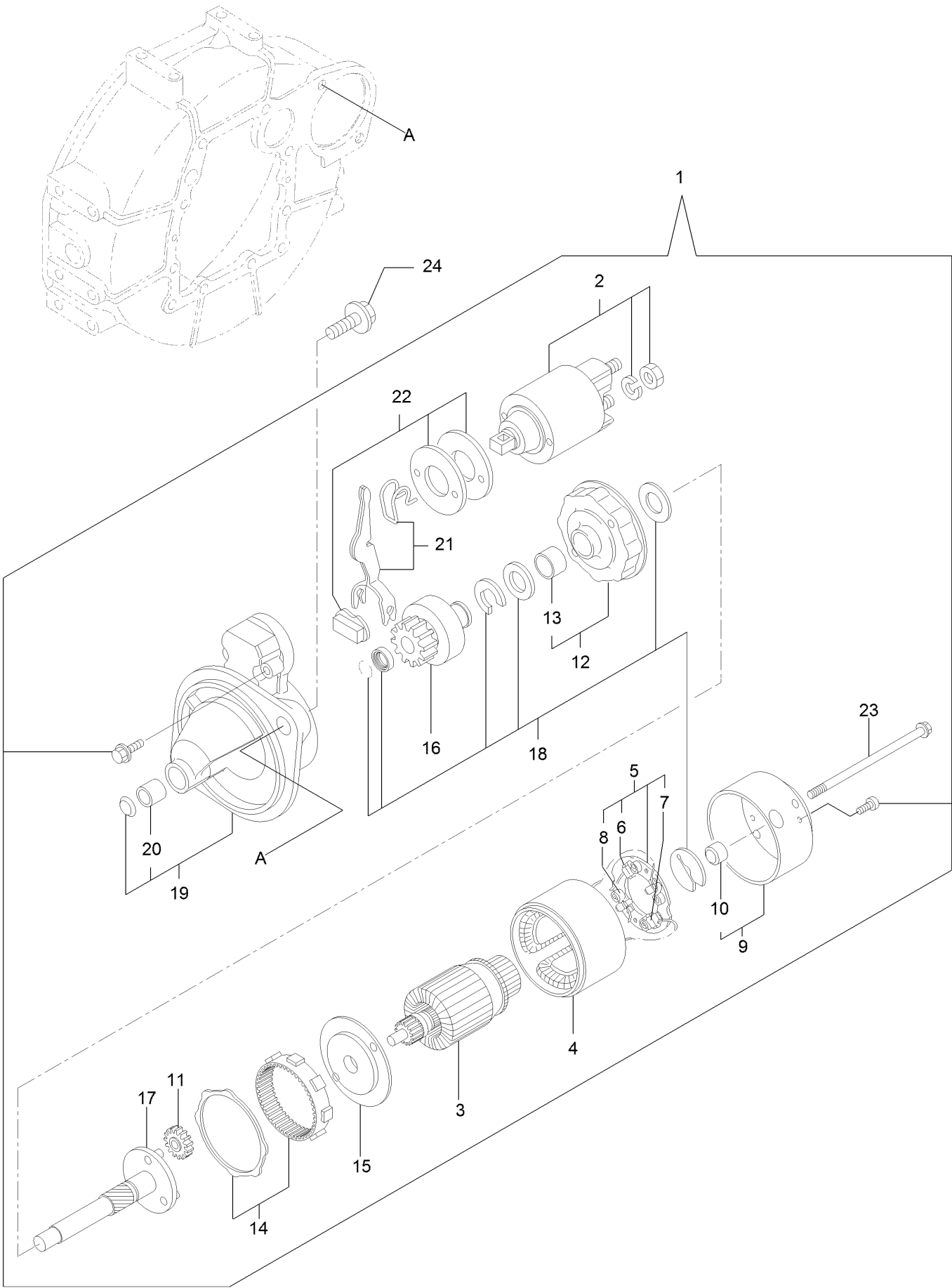
Fuel Filter Assembly



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

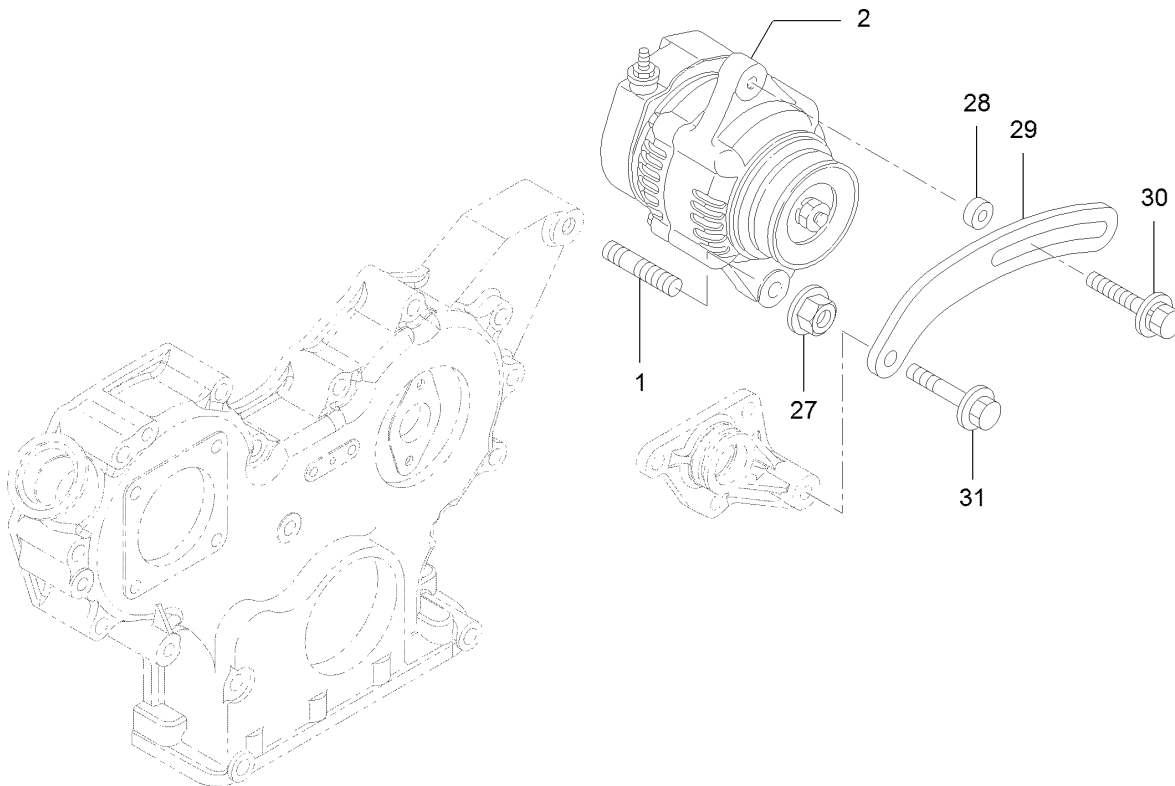
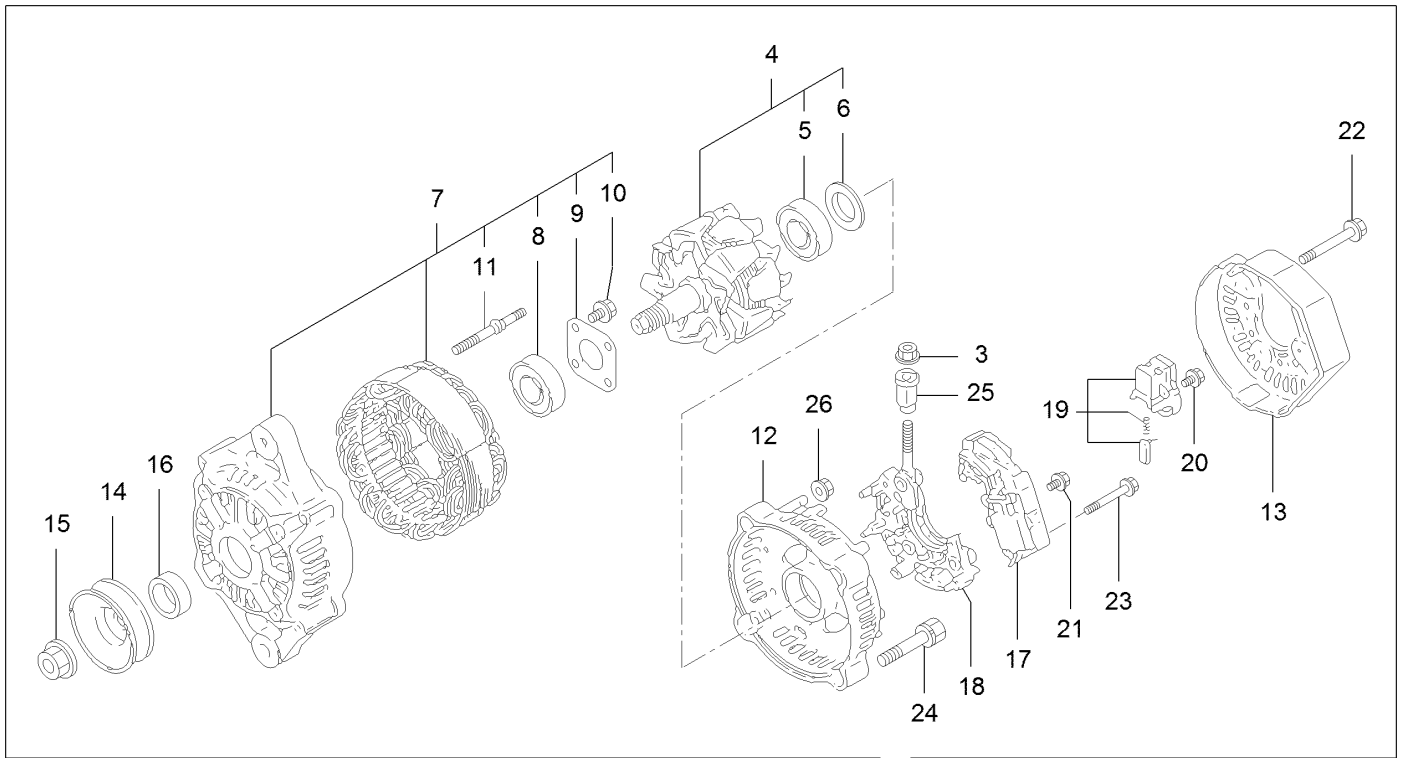


Starting Motor Assembly (continued)

<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

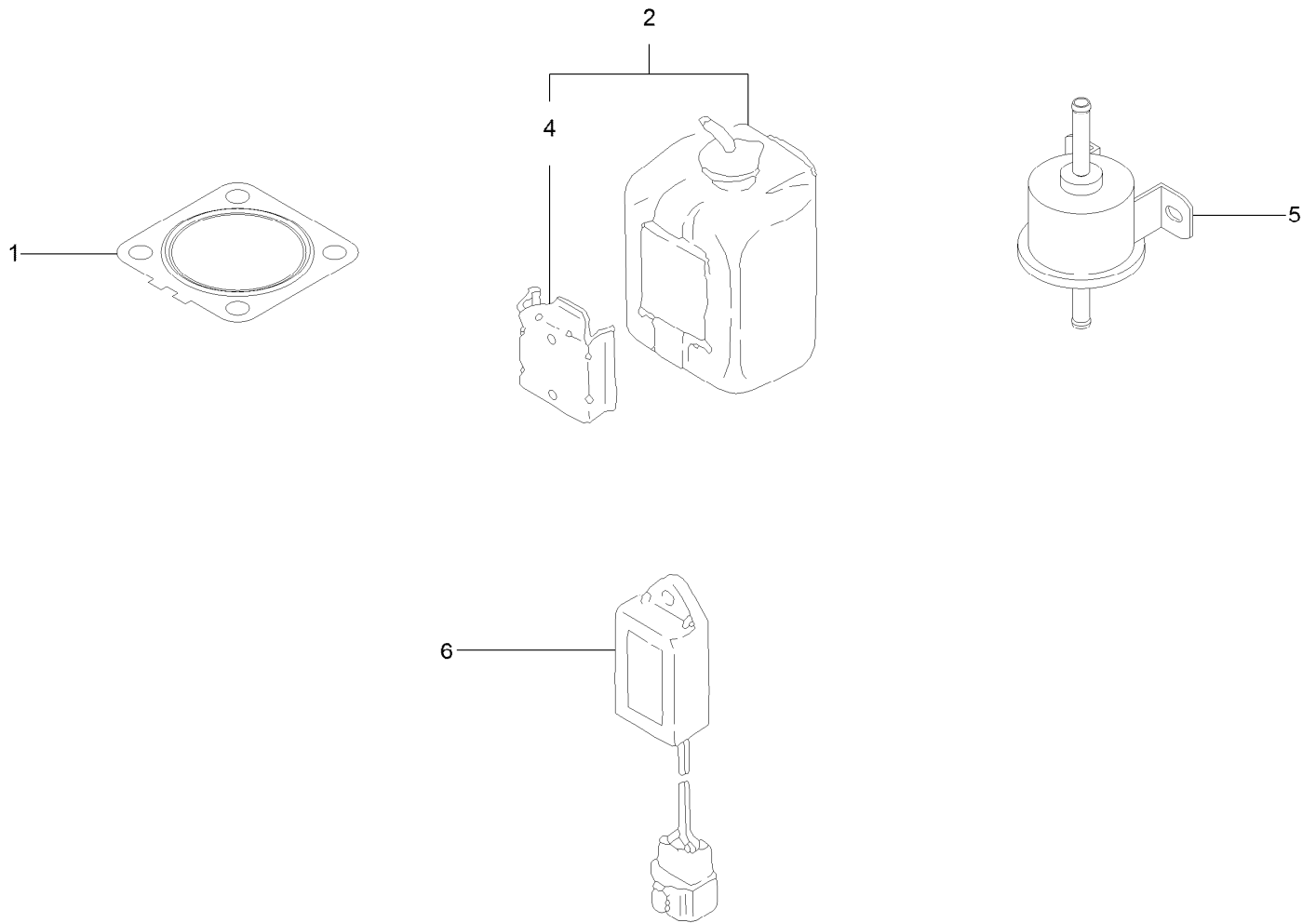
Generator Assembly



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 31907A 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
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
Recycler Kit 60in/152cm SD	31976
Recycler Kit, 60In/152cm RD	31977
Recycler Kit, 72In/183cm SD	31978

Attachments and Accessories (continued)

Recycler Kit, 72In/183cm RD	31979
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
Seat Asm - Standard	32301
Seat Asm - Mech Susp	32302
Air Ride Seat Kit, Groudsmaster	32303
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

Notes:

Notes:



Count on it.