



Count on it.

Form No. 3471-343 Rev A

Parts Catalog

Groundsmaster® 3310

All-Wheel Drive Traction Unit

Model No. 31903A—Serial No. 418125823 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.

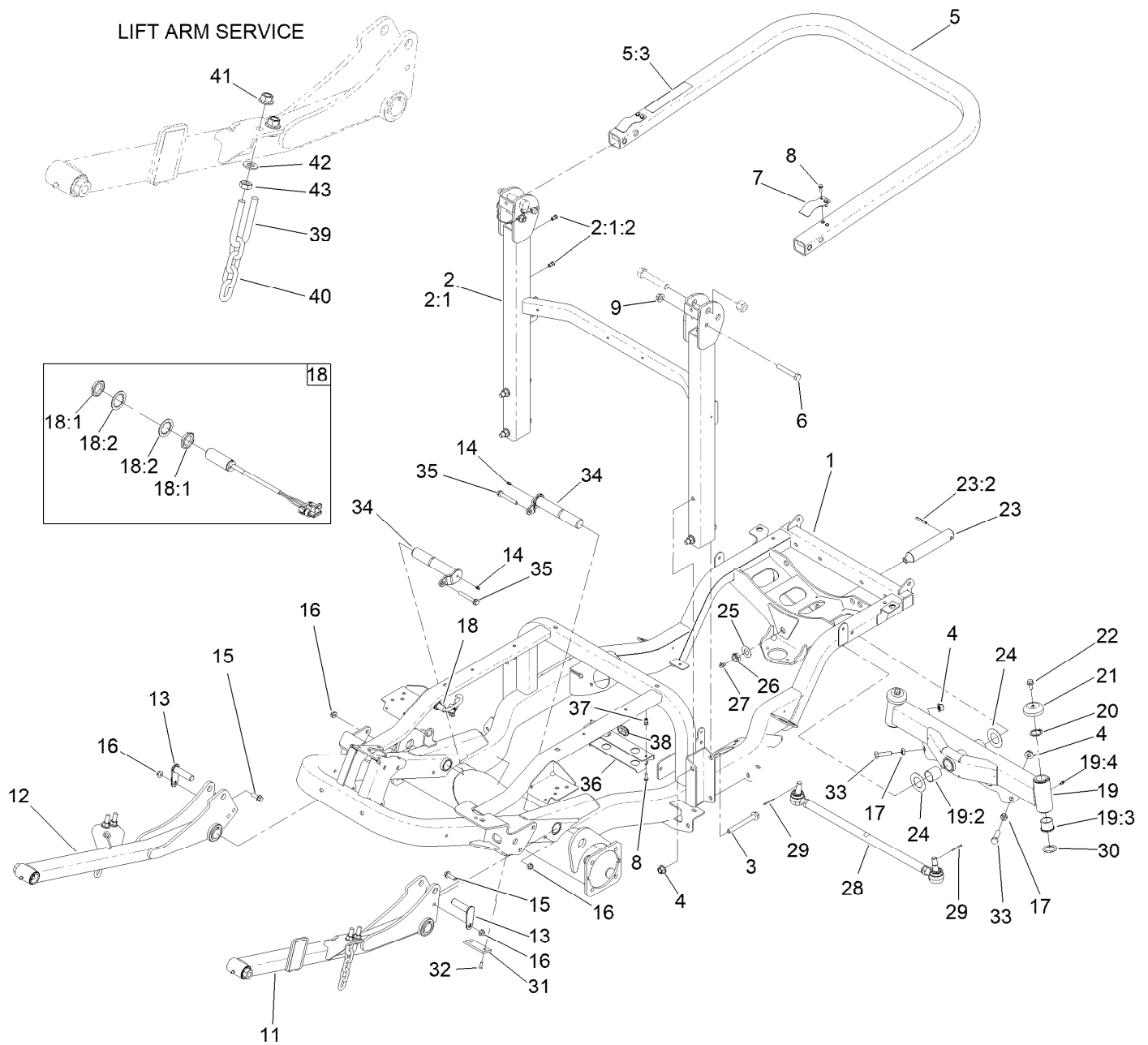
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Frame and Roll-Over Protection System Assembly

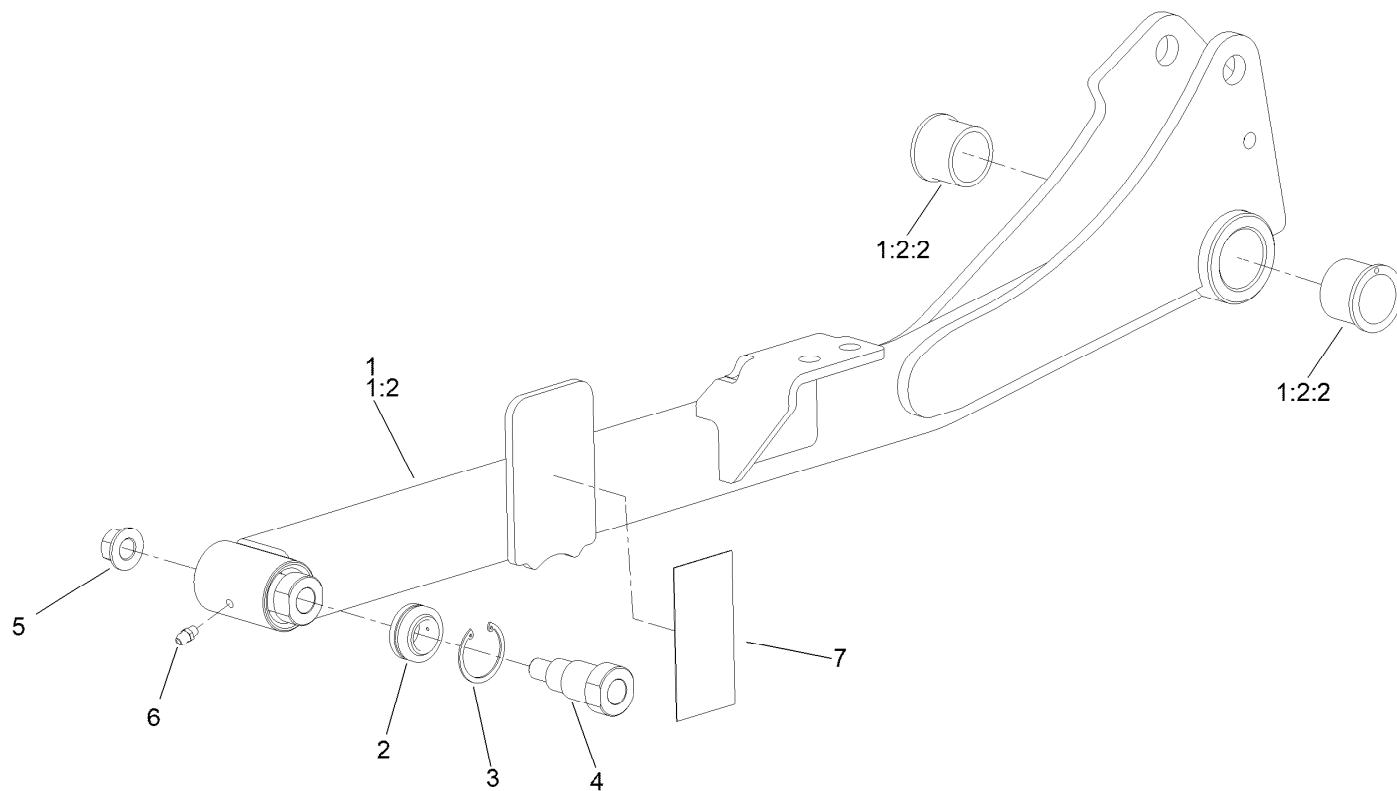


Frame and Roll-Over Protection System Assembly (continued)

<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	145-6050SP	1	Frame ASM	20	32151-77	2	Ring-Retaining, External
2	139-6254SP	1	ROPS ASM, Lower	21	69-8890	2	Cap-Spindle
2:1		1	ROPS ASM, Lower ●	22	3234-1	2	Screw-HHF
2:1:2	138-2758	4	Nut-Clinch,Hex	23	140-6101	1	Pin ASM-Axle Pivot
3	117-3176	4	Screw-HHF	23:2	32121-32	1	Pin-Roll
4	99-5107	6	Nut-Lock	24	99-8432	2	Washer-Thrust
5	138-7470	1	ROPS ASM, Upper	25	71-4540	1	Washer-Thrust
5:3	108-2073	1	Decal-Warning	26	3296-15	1	Nut-Lock, NI
6	325-13	2	Screw-HH	27	302-33	1	Fitting-Grease
7	110-5696	2	Spring-Leaf	28	144-3900	1	Tie Rod ASM
8	32105-15	6	Screw-HWH	29	3272-12	2	Pin-Cotter
9	32128-23	2	Nut-HF	30	76-2980	2	Washer-Thrust
11	144-3943	1	Lift Arm ASM. LH	31	138-4452	2	Pad-Stop, Deck
12	144-3942	1	Lift Arm ASM. RH	32	3289-4	4	Screw-FH
13	138-7489	2	Pin (Machined)	33	325-7	2	Screw-HH
14	302-40	2	Fitting-Grease, 90 DEG	34	138-4593	2	Pin
15	119-4061	2	Screw-HHF	35	133-9682	2	Screw-Hfh
16	104-8301	4	Nut-HF, NI	36	147-0045-0P	1	Channel-Harness Retainer
17	3218-5	2	Nut-Jam	37	138-2758	2	Nut-Clinch,Hex
18	115-5300	1	Proximity Switch ASM	38	240-5	1	Grommet
18:1	117-3207	2	Nut-Hex	39	104-0108	2	U-Bolt
18:2	117-3208	2	Washer-Lock, Internal Tooth	40	95-6231	2	Chain-HOC
19	138-4588	1	Axle ASM	41	99-5107	4	Nut-Lock
19:2	99-6964	2	Bushing-Axle	42	3256-26	4	Washer-Flat
19:3	104-0015	4	Bushing-Flange	43	3218-5	4	Nut-Jam
19:4	302-5	2	Fitting-Grease				

● Not serviced separately

LH Lift Arm Assembly No. 144-3943



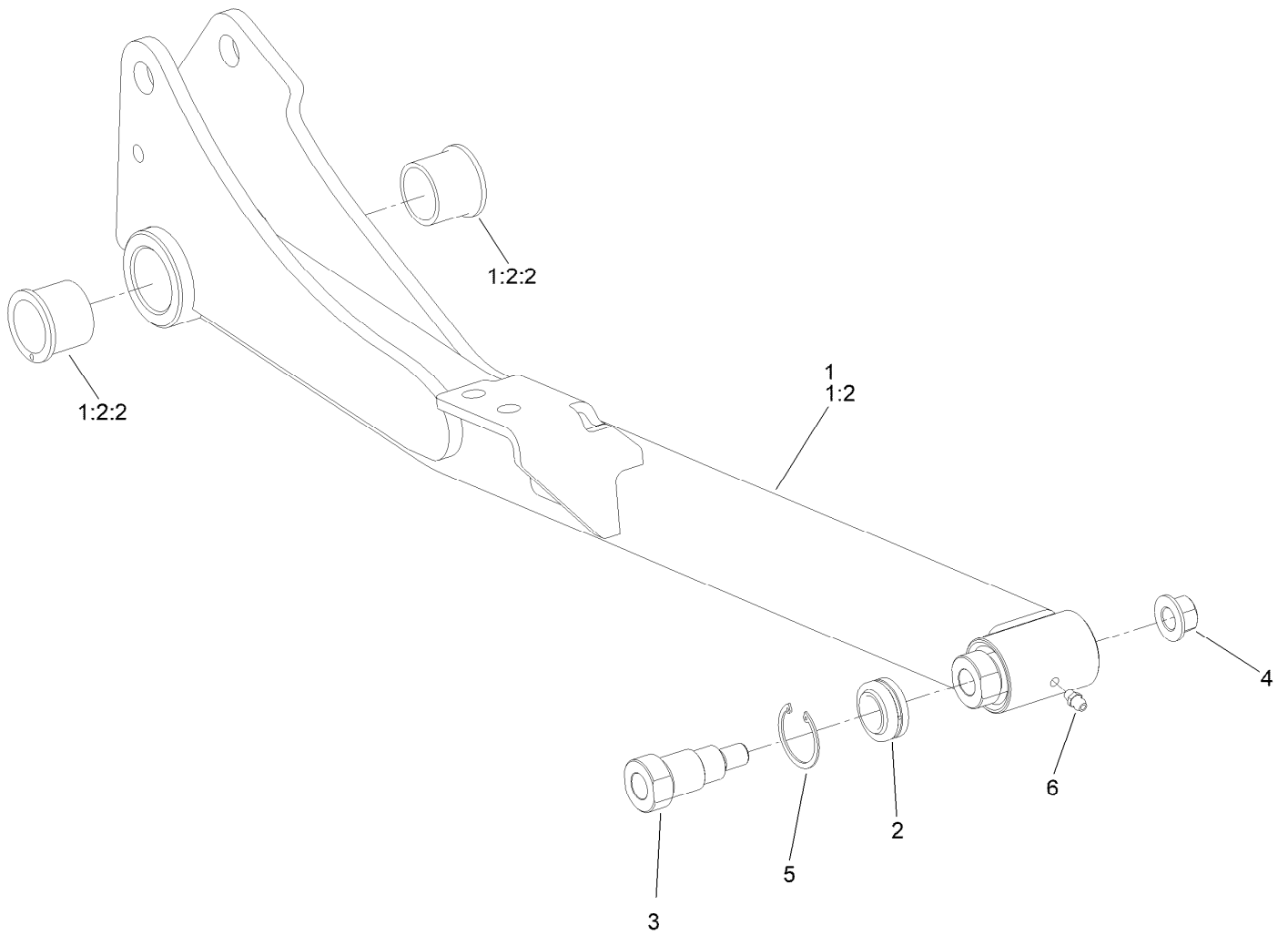
LH Lift Arm Assembly No. 144-3943 (continued)

<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



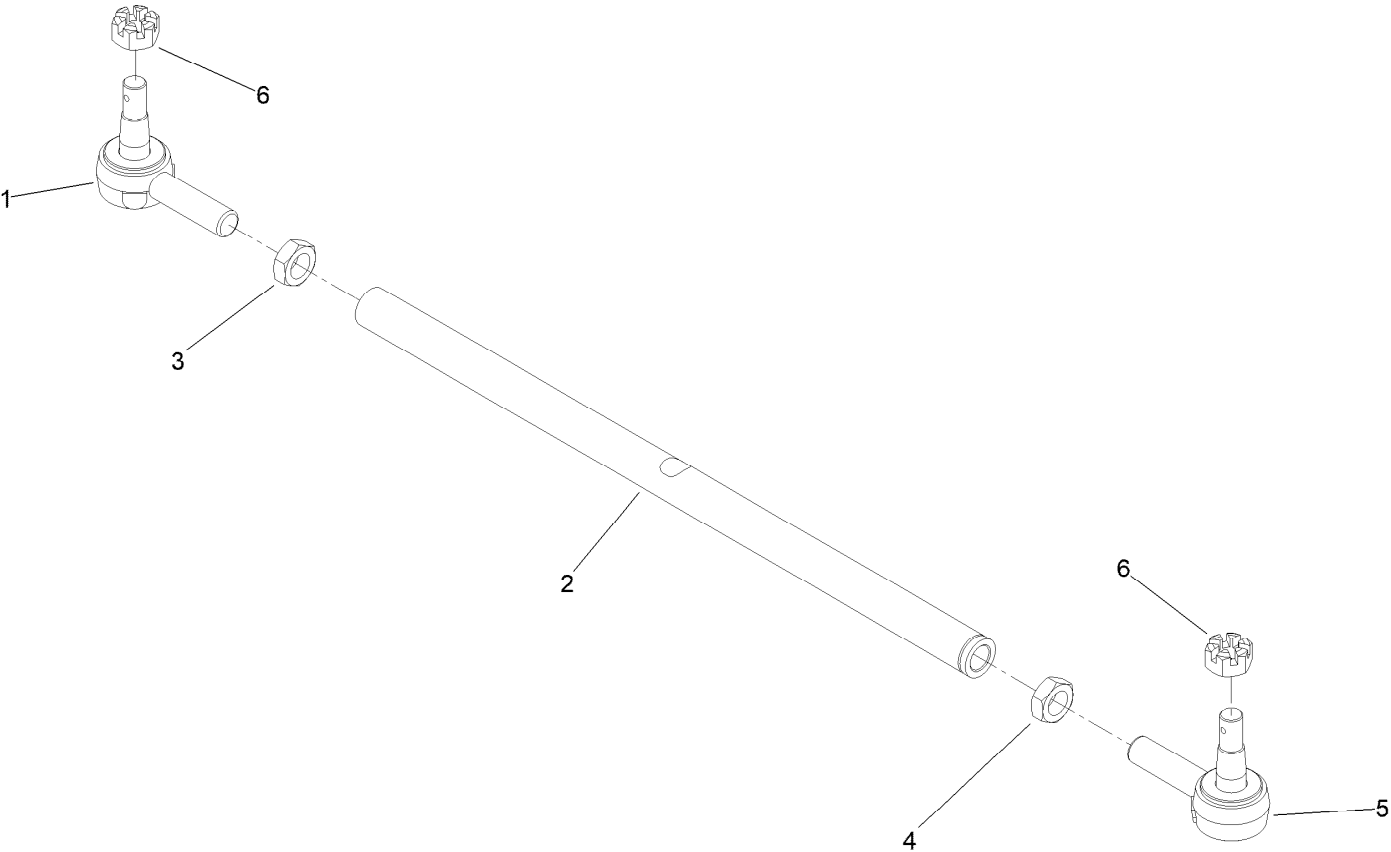
RH Lift Arm Assembly No. 144-3942 (continued)

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

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	139-0910	1	Bolt-Shoulder
4	99-5107	1	Nut-Lock
5	32151-34	1	Ring-Retaining
6	302-5	1	Fitting-Grease

● Not serviced separately

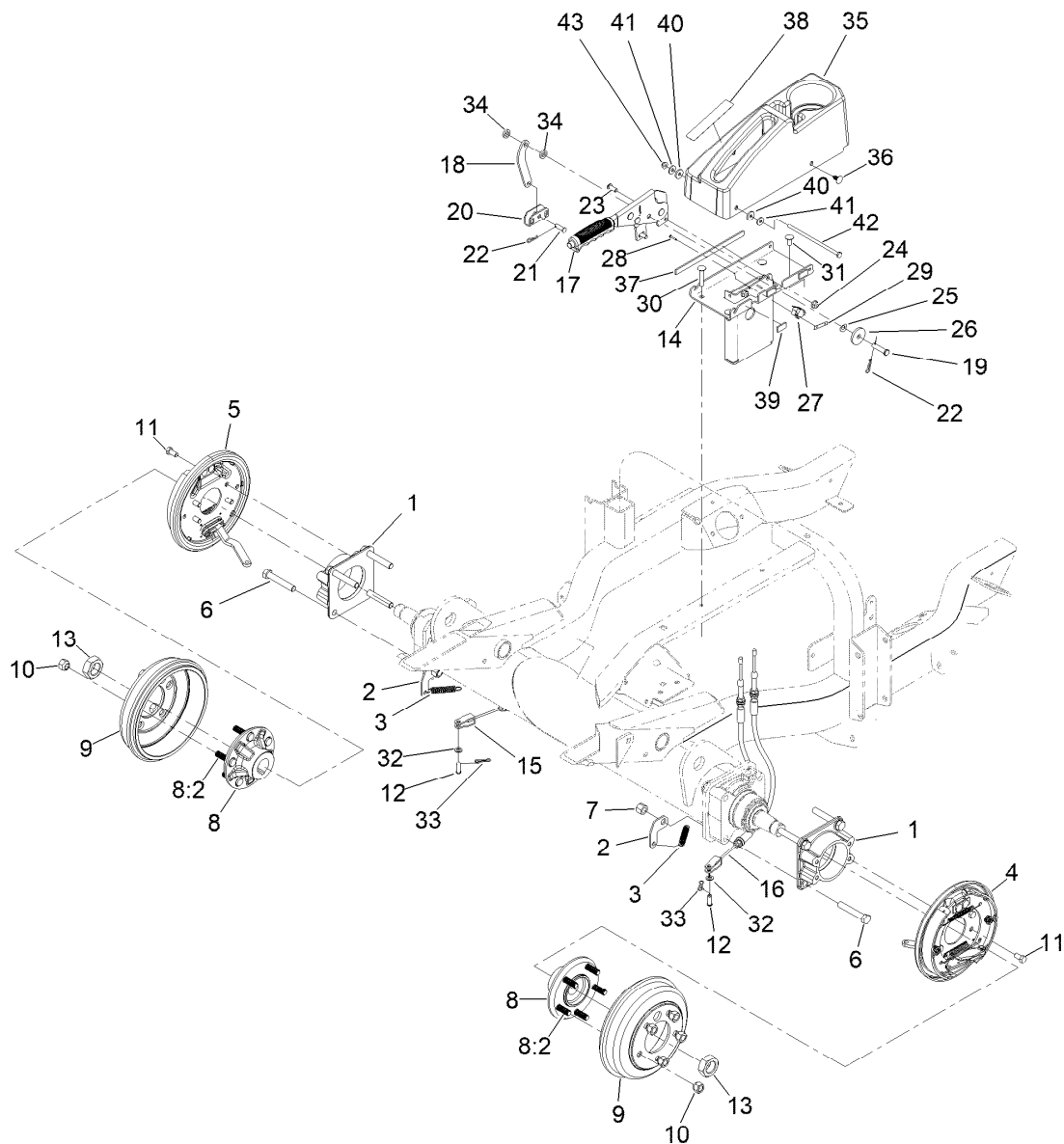
Tie Rod Assembly No. 144-3900



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

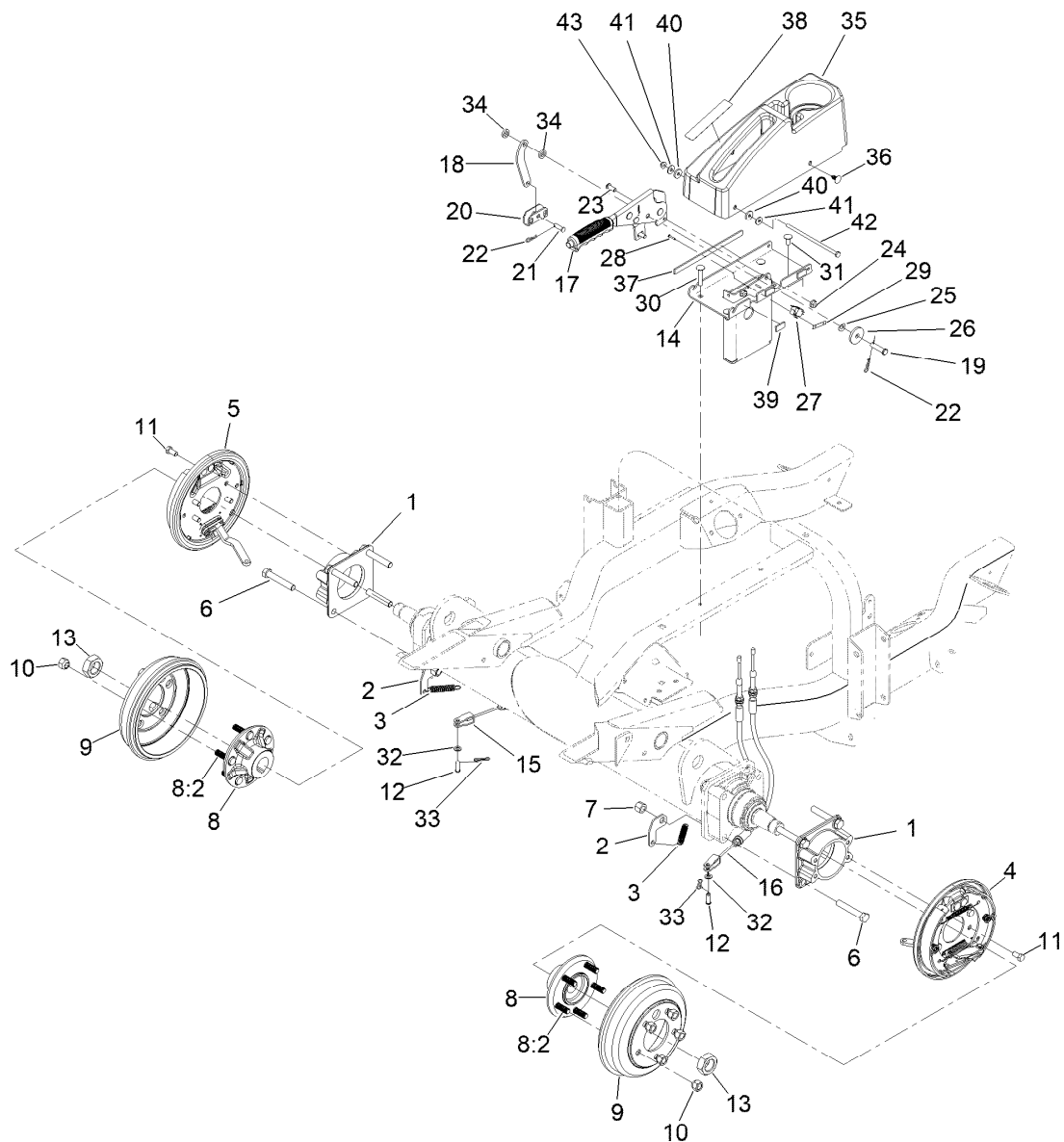
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	110-5337	1	Nut-Jam
5	144-3902	1	Tie Rod End
6	140-6135	2	Nut-Hex, Slotted



Brake Assembly

Ref.	Part Number	Qty.	Description
1	147-3594	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	139-2564	10	Nut-Lug
11	323-4	8	Screw-HH
12	283-58	2	Pin-Clevis
13	107-9319	2	Nut-Hex
14	147-0064-0P	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

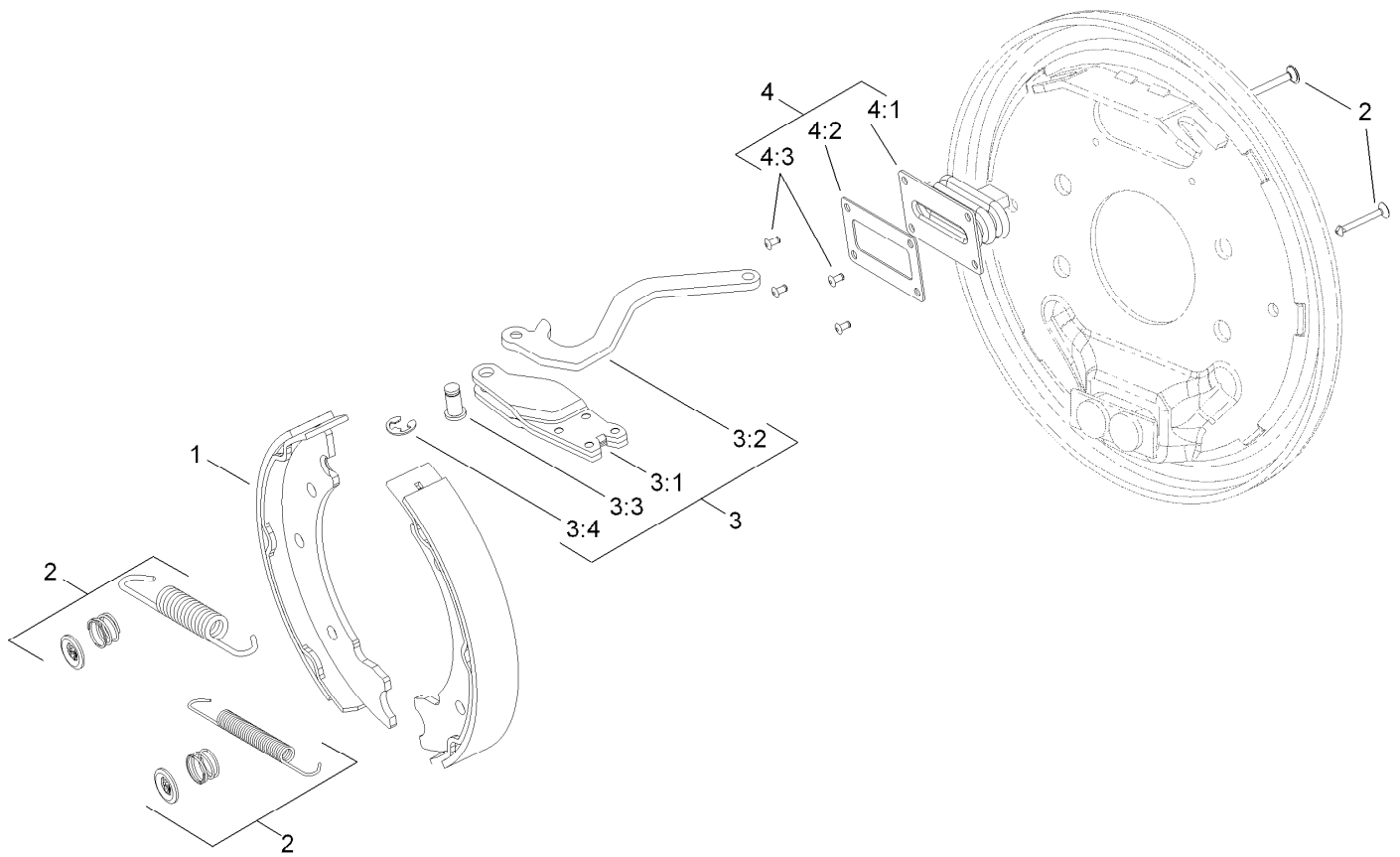
Ref.	Part Number	Qty.	Description
20	87-3480	1	Bracket-Equalizer, Cable
21	1-808280	1	Pin-Clevis
22	1-806003	2	Pin-Cotter
23	3274-55	2	Screw-HSBH
24	104-8300	6	Nut-HF, NI
25	121-4605	1	Washer-Spring
26	131-8496	1	Washer-Plain
27	108-6496	1	Switch (W/Boot)
28	95-3003	2	Screw-PPHTF
29	3290-354	1	Nut-Speed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



Brake Assembly (continued)

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

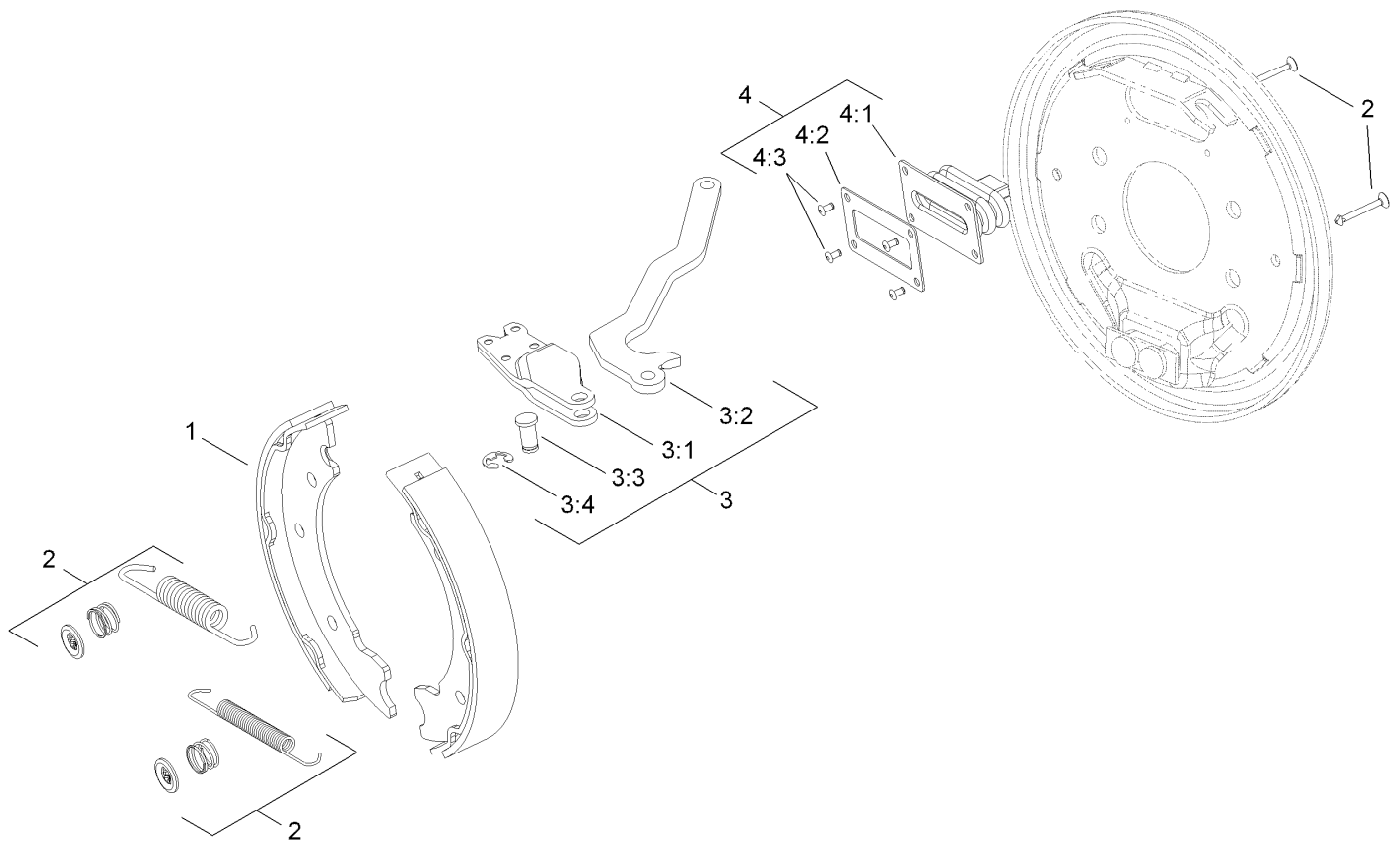
Ref.	Part Number	Qty.	Description
42	321-21	1	Screw-HH
43	104-7201	1	Nut-HF, NI



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 ●

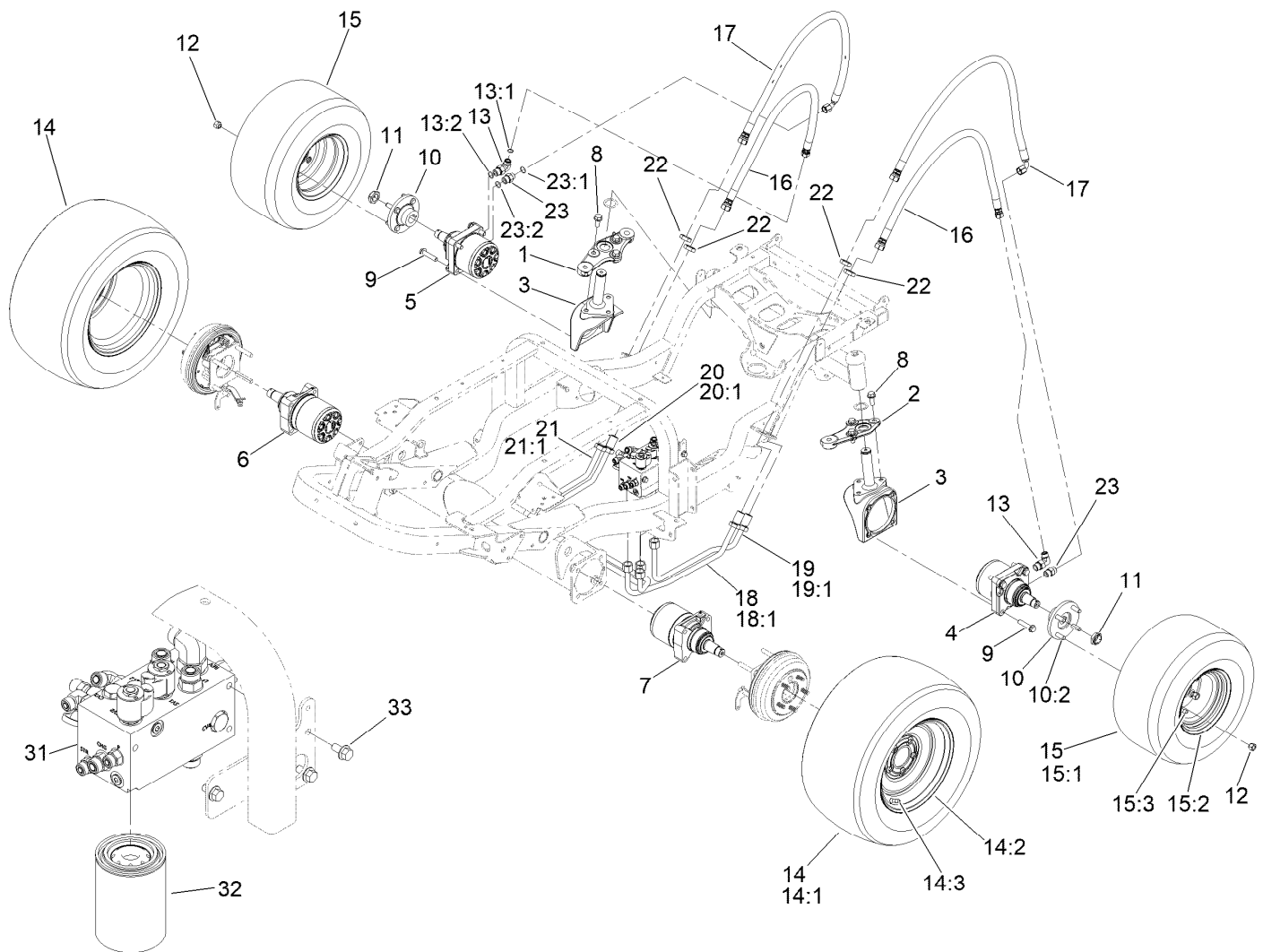
● Not serviced separately



Right Hand Brake Assembly No. 120-0233

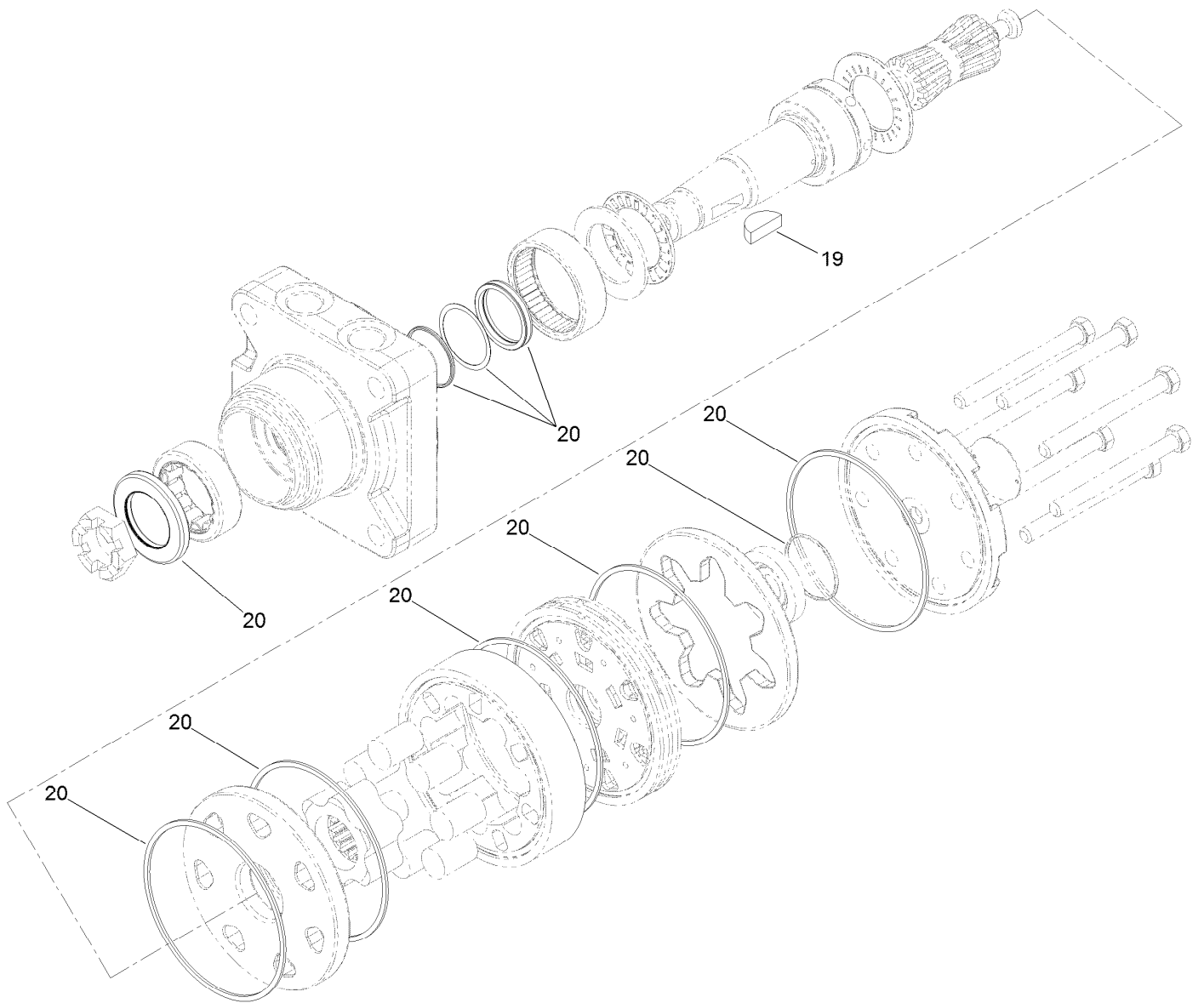
Ref.	Part Number	Qty.	Description
1	139-5950	1	Brake Shoe Kit
2	108-6983	1	Brake Hardware Kit
3	120-0234	1	RH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-RH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

● Not serviced separately



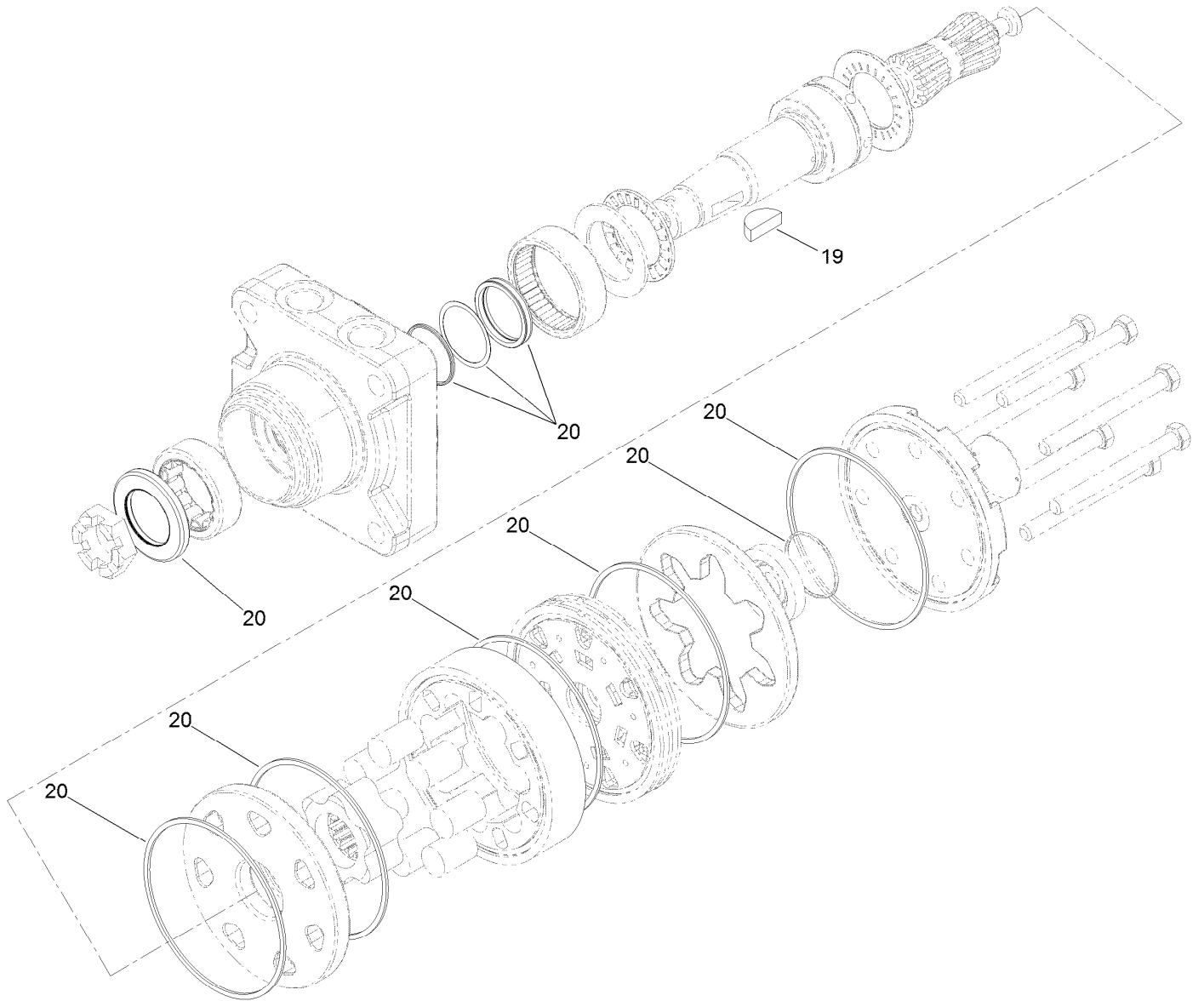
Hydraulic Drive Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	140-3142	1	Link-Drag, RH	15:1	137-2596	1	Tire
2	140-3144	1	Link-Drag, LH	15:2	137-2597	1	Rim
3	107-4517-03	2	Housing-Motor	15:3	232-27	1	Stem-Valve
4	137-2458	1	Motor-Hydraulic, CCW	16	144-3929	2	Hose ASM, Hydraulic
5	137-2478	1	Motor-Hydraulic, CW	17	144-3928	2	Hose ASM, Hydraulic
6	137-2479	1	Motor-Hydraulic, CW	18	138-0334	1	Hydraulic Tube ASM
7	137-2459	1	Motor-Hydraulic, CCW	18:1	237-65	1	O-Ring
8	3234-38	6	Screw-HHF	19	138-0335	1	Hydraulic Tube ASM
9	3234-46	8	Screw-HHF	19:1	237-65	1	O-Ring
10	147-0098	2	Hub ASM	20	145-6069	1	Hydraulic Tube ASM
10:2	147-0130	4	Stud-Wheel	20:1	237-65	1	O-Ring
11	107-9319	2	Nut-Hex	21	145-6071	1	Hydraulic Tube ASM
12	139-2564	8	Nut-Lug	21:1	237-65	1	O-Ring
13	340-105	2	Fitting-Elbow, 90 DEG	22	340-74	4	Nut-Lock, Bulkhead
13:1	237-80	1	O-Ring	23	340-6	2	Fitting-Straight
13:2	237-30	1	O-Ring	23:1	237-30	1	O-Ring
14	137-2590	2	Wheel ASM	23:2	237-80	1	O-Ring
14:1	137-2594	1	Tire	31	145-6080	1	Manifold Steering/Lift-4Wd
14:2	137-2595	1	Rim	32	86-3010	1	Filter-Oil
14:3	232-27	1	Stem-Valve	33	3234-1	3	Screw-HHF
15	137-2592	2	Wheel ASM				



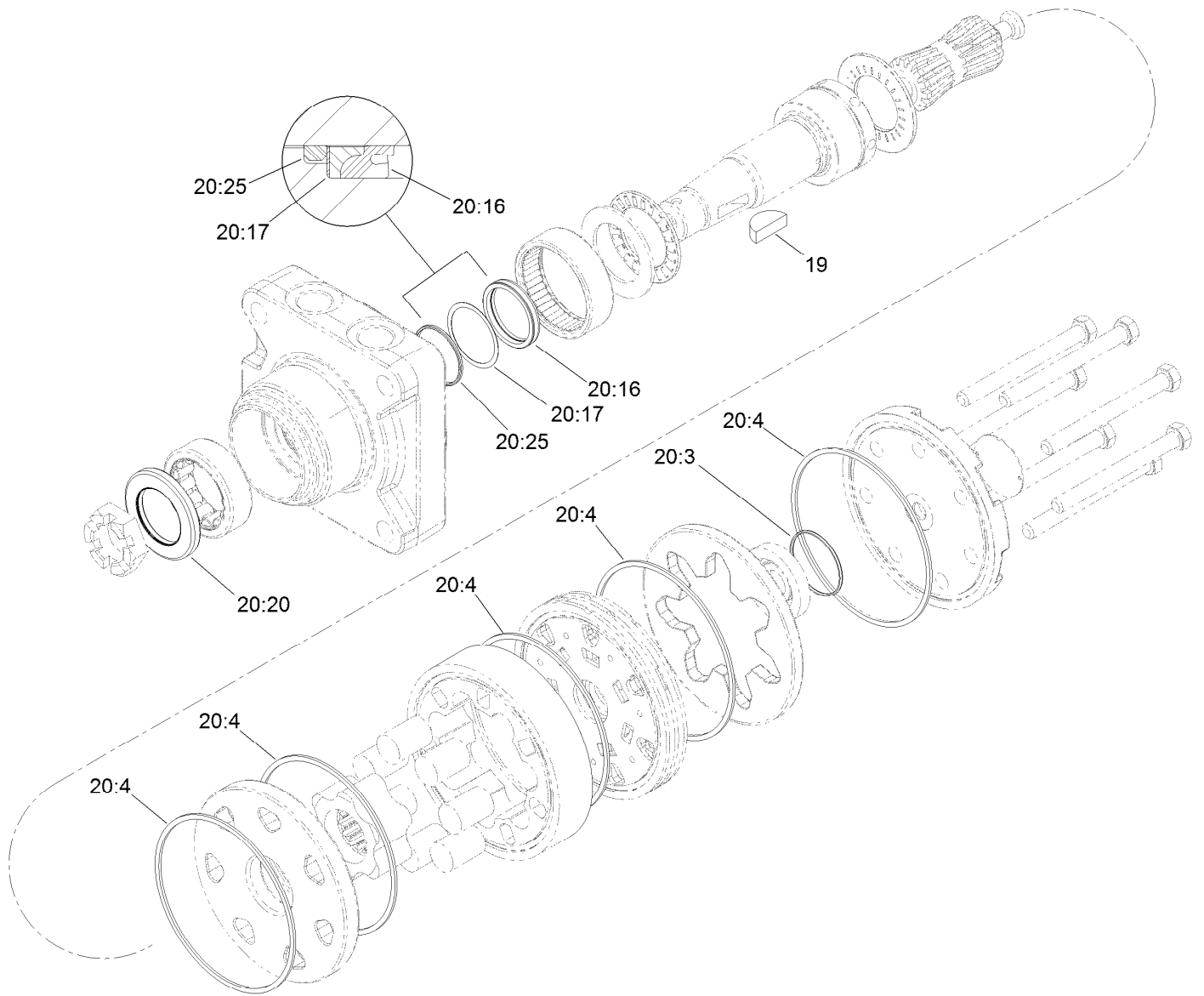
Hydraulic Motor Assembly No. 137-2458

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



Hydraulic Motor Assembly No. 137-2478

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

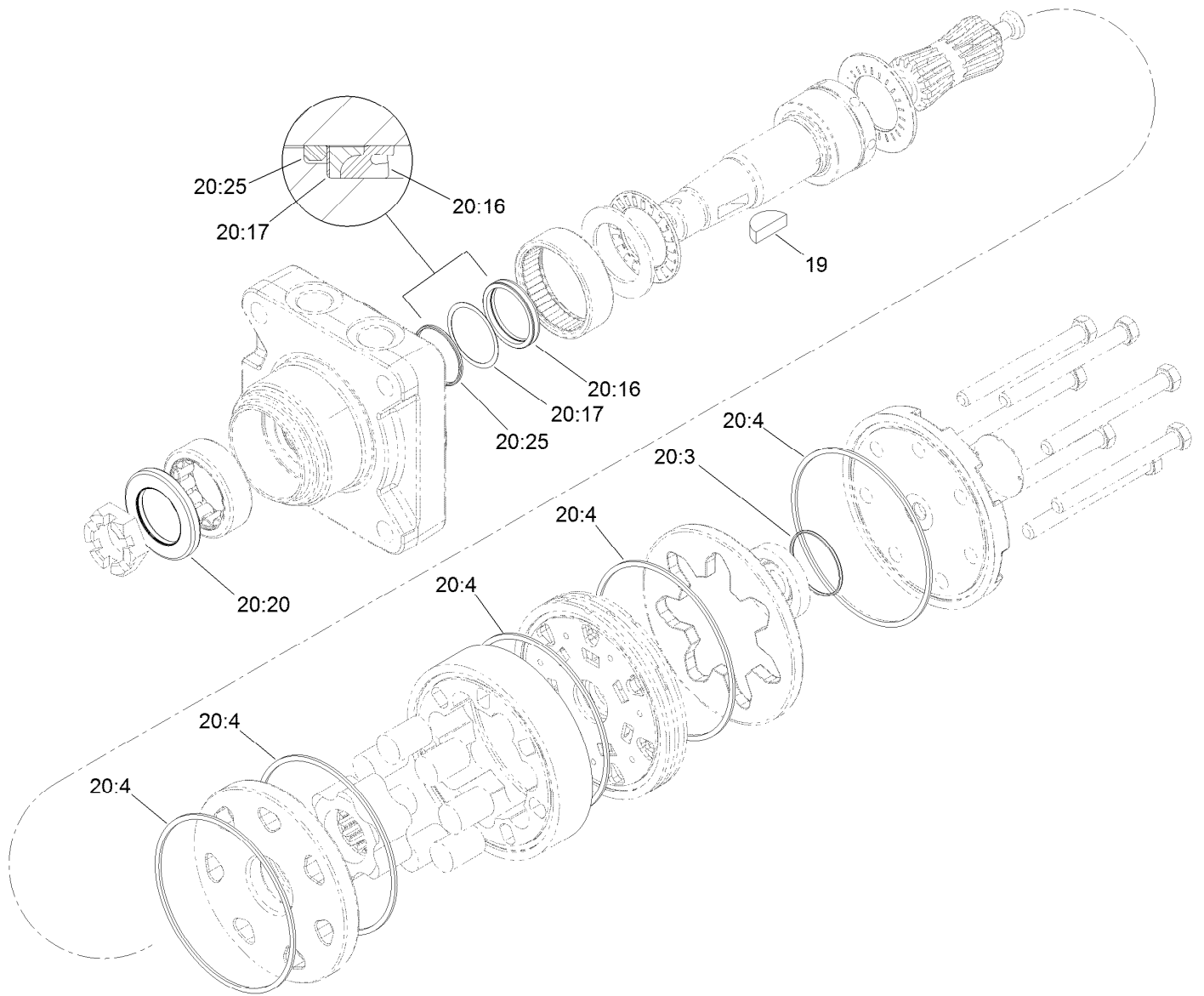


Hydraulic Motor Assembly No. 137-2479

Ref.	Part Number	Qty.	Description
19	3257-42	1	Key-Woodruff
20	110-8896	1	Seal Kit ●
20:3		1	Seal-Commutator, Vespel ■
20:4		6	Seal-Body, Buna ■
20:16		1	Seal-Shaft ■
20:17		1	Washer-Back Up ■
20:20		1	Seal-Dirt/Water ■
20:25		1	Ring-Back Up ■

● Not illustrated

■ Not serviced separately

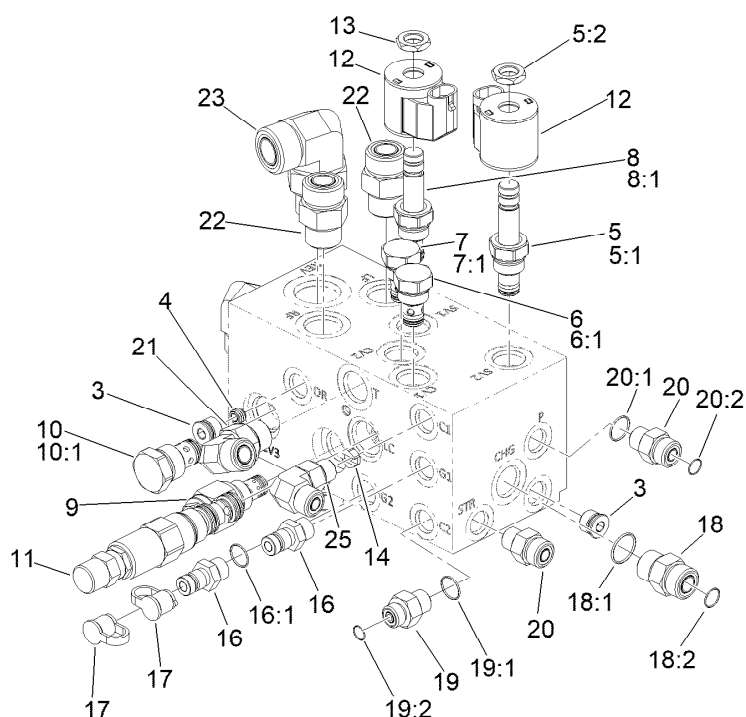
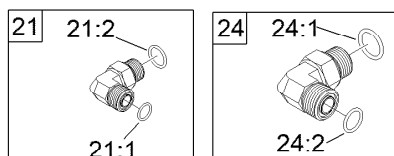


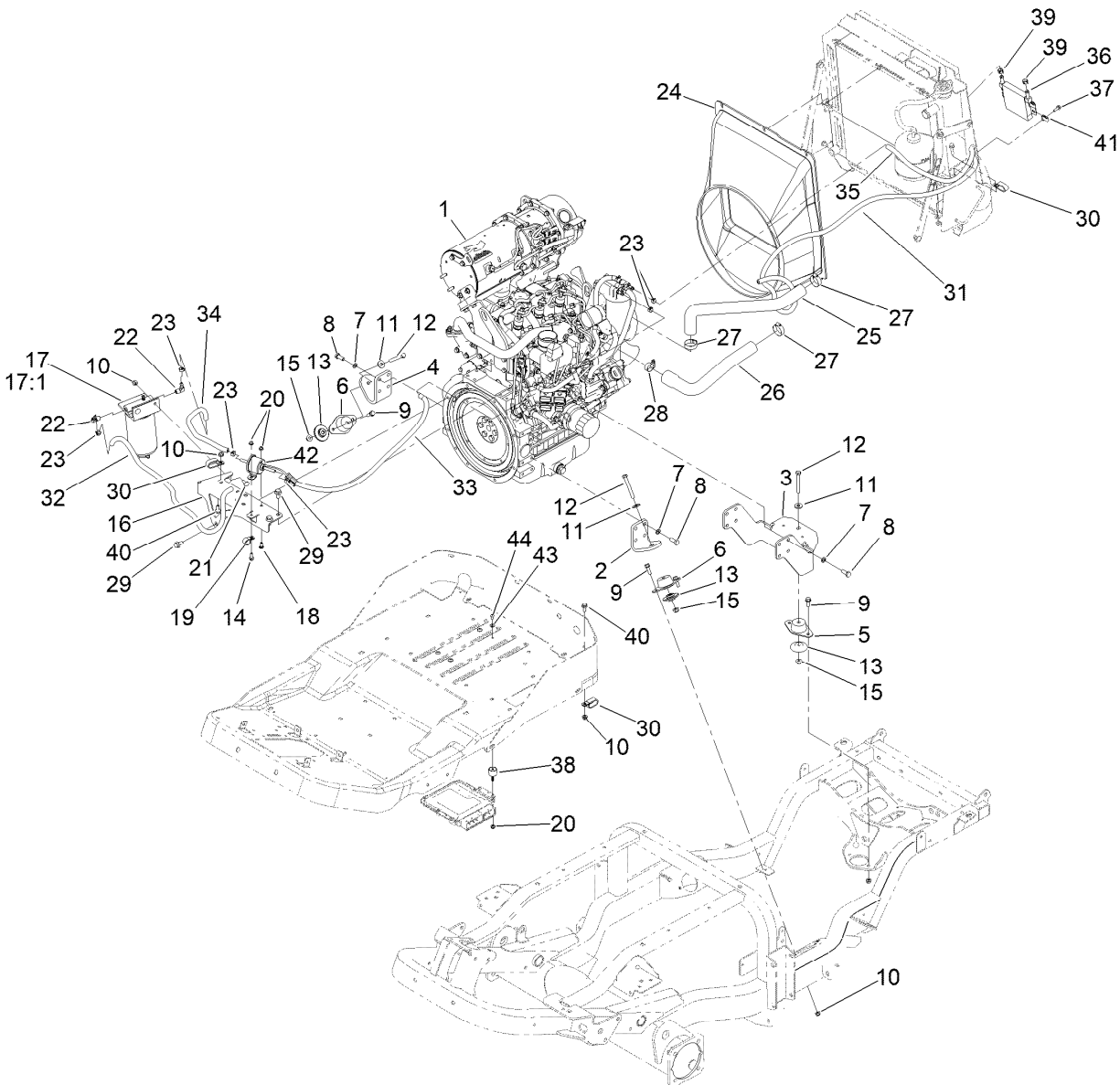
Hydraulic Motor Assembly No. 137-2459

Ref.	Part Number	Qty.	Description
19	3257-42	1	Key-Woodruff
20	110-8896	1	Seal Kit ●
20:3		1	Seal-Commutator, Vespel ■
20:4		6	Seal-Body, Buna ■
20:16		1	Seal-Shaft ■
20:17		1	Washer-Back Up ■
20:20		1	Seal-Dirt/Water ■
20:25		1	Ring-Back Up ■

● Not illustrated

■ Not serviced separately

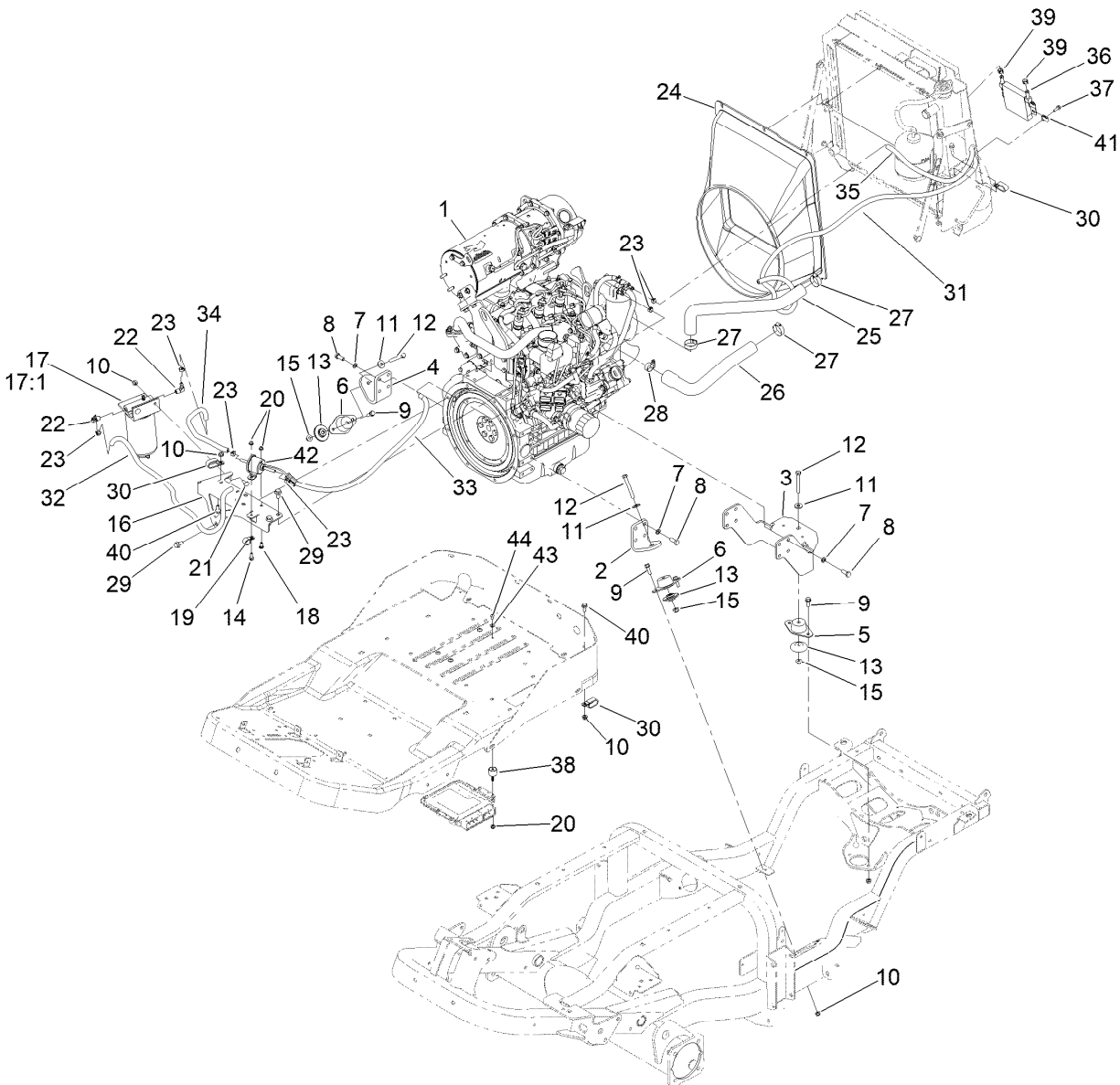




Engine Mount Assembly

Ref.	Part Number	Qty.	Description
1	139-6183	1	Engine-Yanmar 3Tnv88C-Dtr6
2	138-0409-0P	1	Mount-Engine, LH Front
3	138-0410-0P	1	Mount-Engine, Rear 37HP [primed]
4	138-0408-0P	1	Mount-Engine, RH Front
5	120-6274	1	Mount-Engine
6	139-0856	2	Mount-Engine
7	48-9590	14	Washer-Lock
8	33115-025	14	Screw-HH
9	3234-29	6	Screw-HHF
10	104-8300	10	Nut-HF, NI
11	80-6990	3	Washer-Hardened
12	323-14	3	Screw-HH
13	138-6462	3	Support-Isolator
14	120-9678	1	Screw-HHF
15	104-8301	3	Nut-HF, NI
16	144-4098-0P	1	Bracket-Filter Mount [primed]
17	125-2914	1	Filter-Separator
17:1	125-2915	1	Filter-Fuel/Water Separator

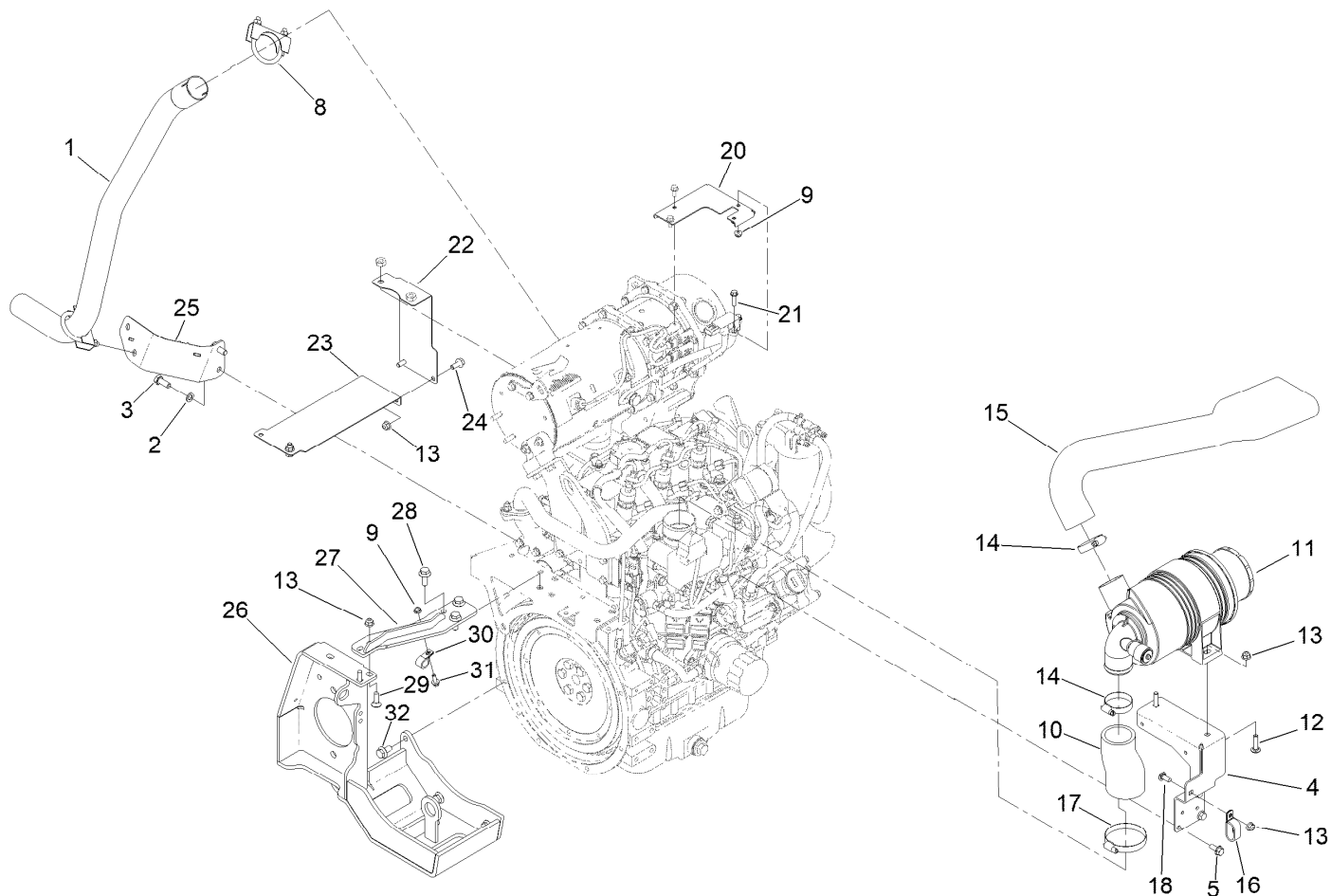
Ref.	Part Number	Qty.	Description
18	1-807512	1	Bolt-CARR
19	2412-87	1	Clamp-Cable
20	104-7201	6	Nut-HF, NI
21	3230-10	2	Bolt-CARR
22	353-781	2	Fitting-HYD, 90
23	92-2379	6	Clamp-Hose
24	138-0419	1	Shroud-Fan
25	138-0429	1	Hose-Radiator, Upper
26	138-0430	1	Hose-Radiator, Lower
27	2412-34	3	Clamp-Hose
28	2412-3	1	Clamp-Hose
29	33105-020	1	Screw-HHF
30	120-1959	3	Clamp
31	139-6255	1	Hose-Fuel
32	126-1805	1	Hose-Fuel
33	110-3257	1	Hose-Fuel
34	110-4101	1	Hose-Fuel
35	139-6276	1	Hose-Fuel
36	116-7205	1	Cooler
37	3234-4	4	Screw-HHF
38	139-6176	4	Mount-ISO



Engine Mount Assembly (continued)

Ref.	Part Number	Qty.	Description
39	103-1988	2	Clamp-Hose
40	3234-47	2	Screw-HHF
41	107069	4	Clip

Ref.	Part Number	Qty.	Description
42	121-5613	1	Pump-Fuel, Electric
43	3256-1	4	Washer-Flat
44	135-6367	4	Screw-HSBH

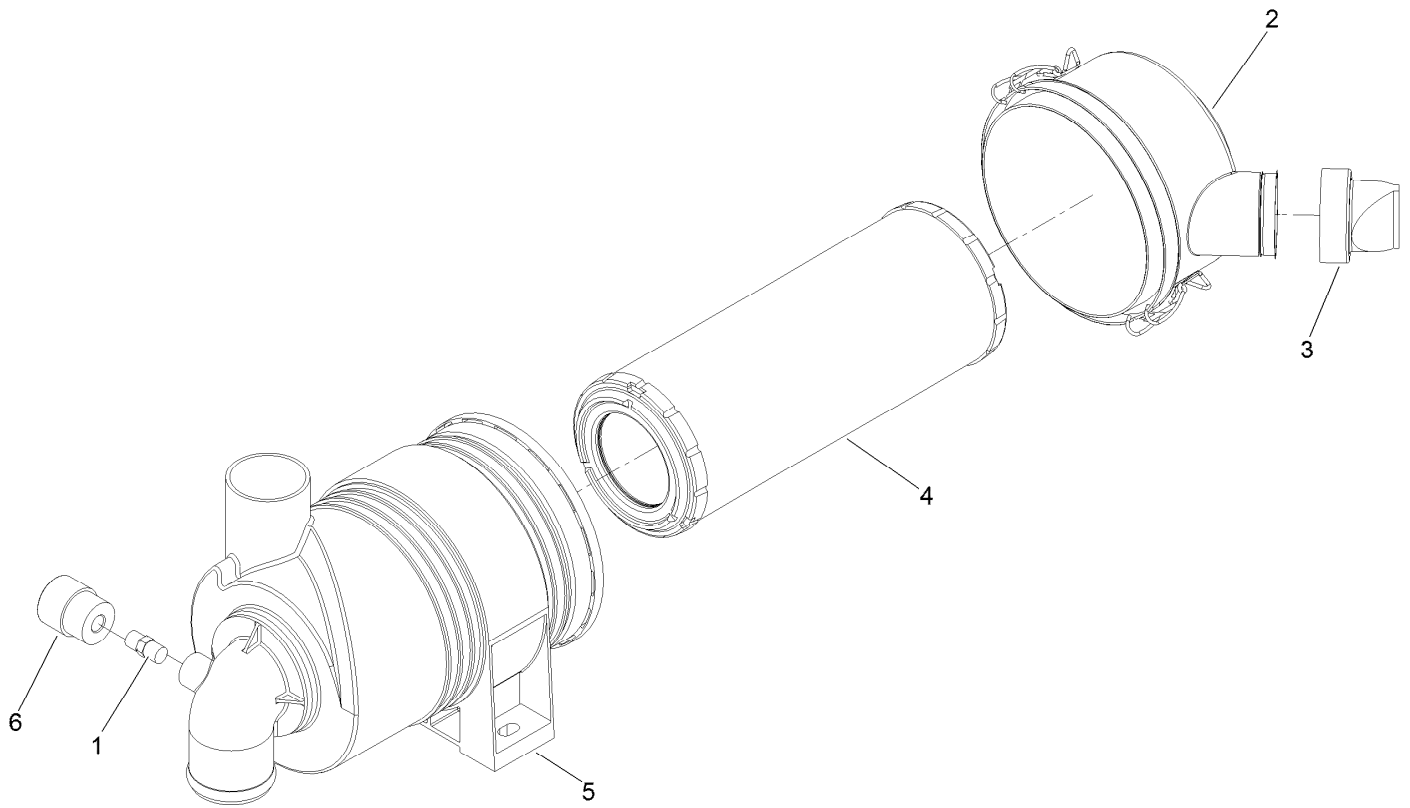


Exhaust and Air Cleaner Assembly

Ref.	Part Number	Qty.	Description
1	144-0569	1	Pipe-Exhaust
2	48-9590	2	Washer-Lock
3	33115-025	2	Screw-HH
4	138-0432-0P	1	Bracket-Air Filter [primed]
5	33104-020	3	Screw-HHF
8	18-2130	2	Clamp
9	104-7201	3	Nut-HF, NI
10	137-5809	1	Hose-Cleaner, Air
11	136-4481	1	Air Cleaner ASM
12	3230-29	2	Screw-CARR
13	104-8300	8	Nut-HF, NI
14	2412-130	2	Clamp-Hose
15	138-4455	1	Hose-Intake
16	120-1959	1	Clamp
17	2412-53	1	Clamp-Drive, Worm

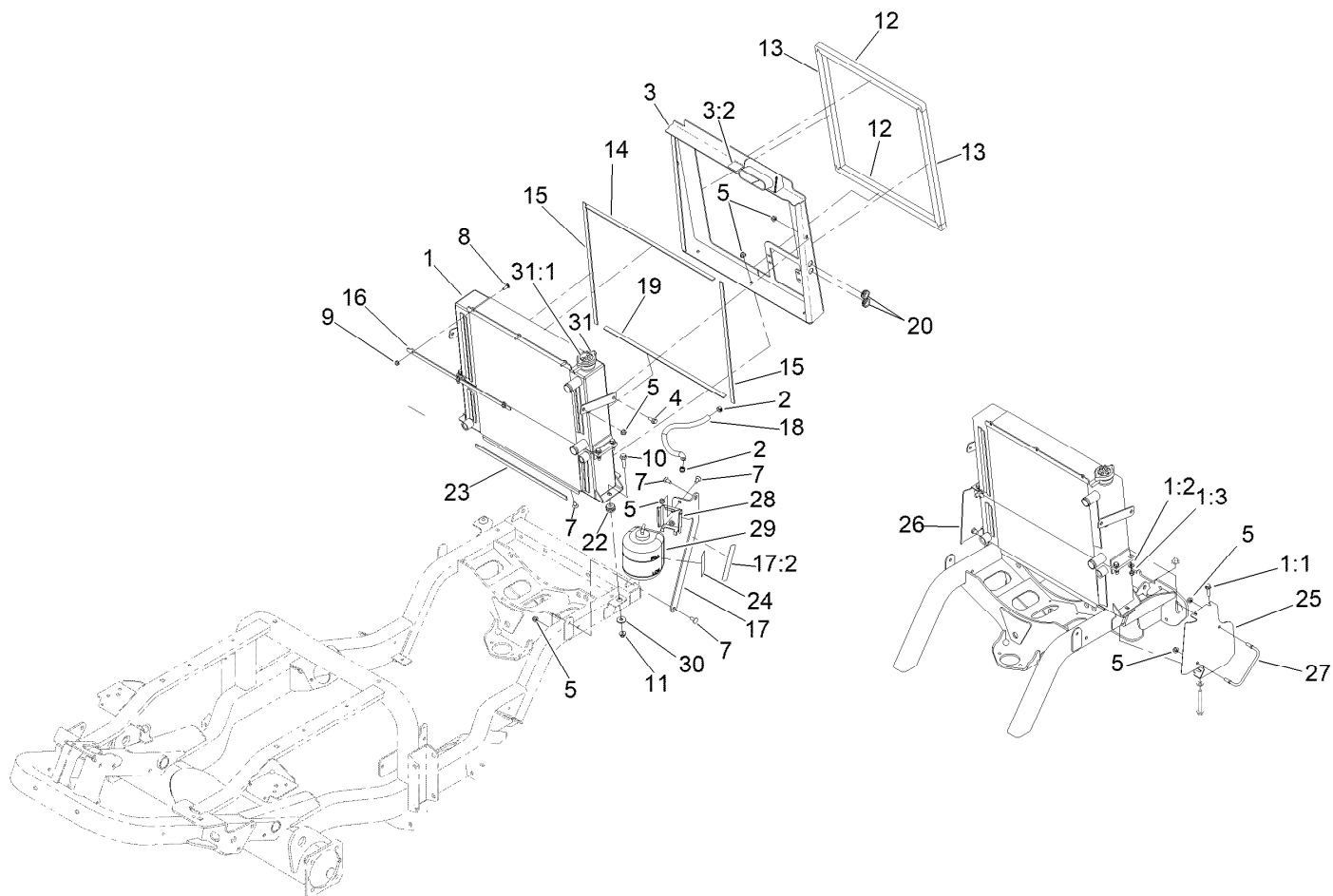
Ref.	Part Number	Qty.	Description
18	3230-23	1	Bolt-CARR
20	139-6181-0P	1	Bracket-Sensor, Dpf
21	120-4654	2	Screw-HHF
22	139-6185	1	Bracket-Heat Shield, Rear
23	139-6184	1	Bracket-Heat Shield, Lower
24	3234-47	3	Screw-HHF
25	144-0572-03	1	Support-Tailpipe
26	145-6016-0P	1	Bracket-Pump Mount ASM [primed]
27	145-5955-0P	1	Bracket-Pump [primed]
28	33105-025	3	Screw-HHF
29	3230-2	2	Bolt-CARR
30	2412-87	1	Clamp-Cable
31	120-9678	1	Screw-HHF
32	33105-020	3	Screw-HHF

Air Cleaner Assembly No. 136-4481



Air Cleaner Assembly No. 136-4481 (continued)

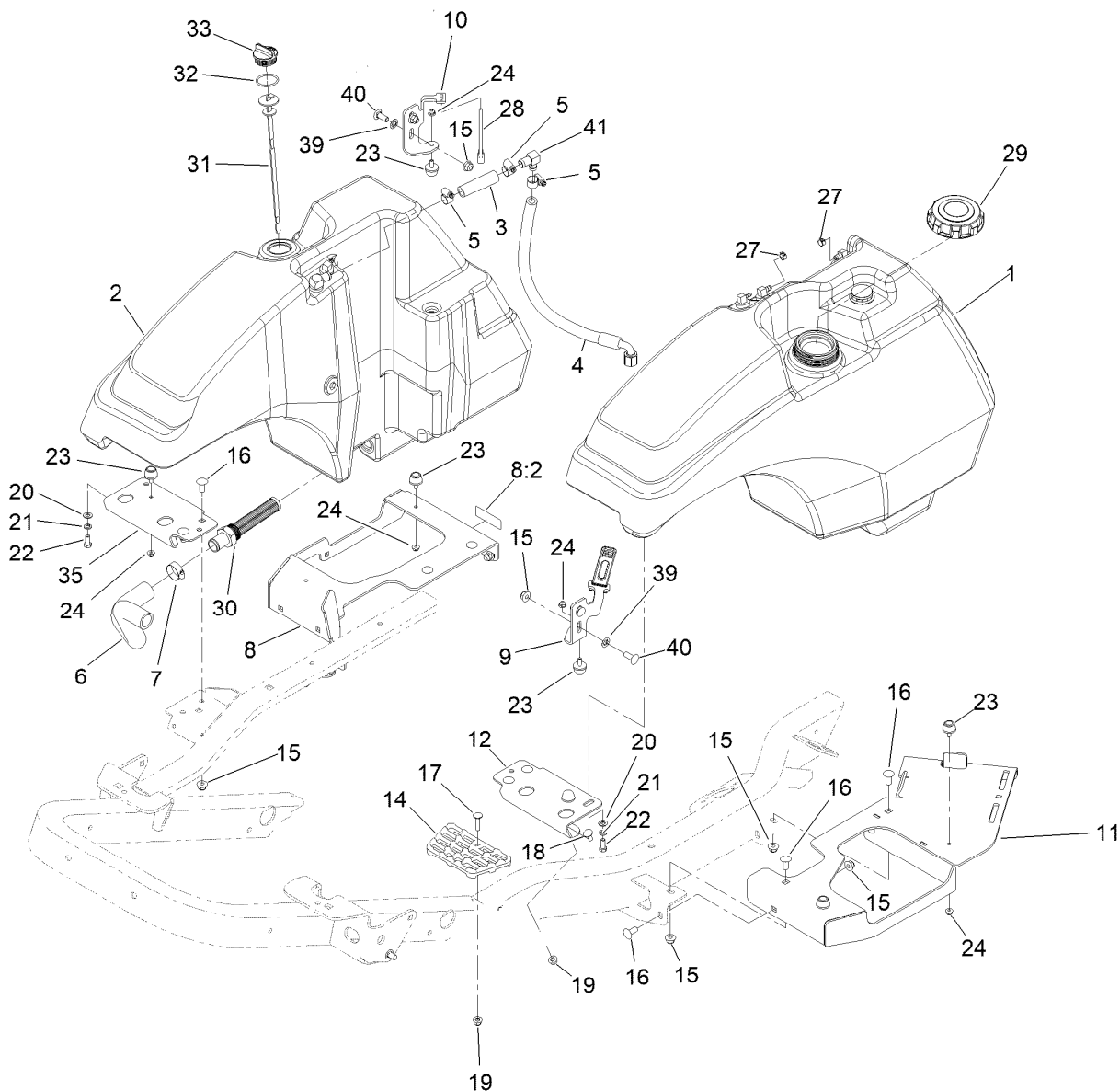
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	94-1416	1	Adapter-Indicator	4	108-3810	1	Filter-Air
2	98-9771	1	Cover ASM	5	98-4525	1	Bracket-Cleaner, Air
3	94-1414	1	Valve-Vacuator	6	93-9164	1	Indicator-Mini



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
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
15	138-4454	2	Foam-Radiator, Side

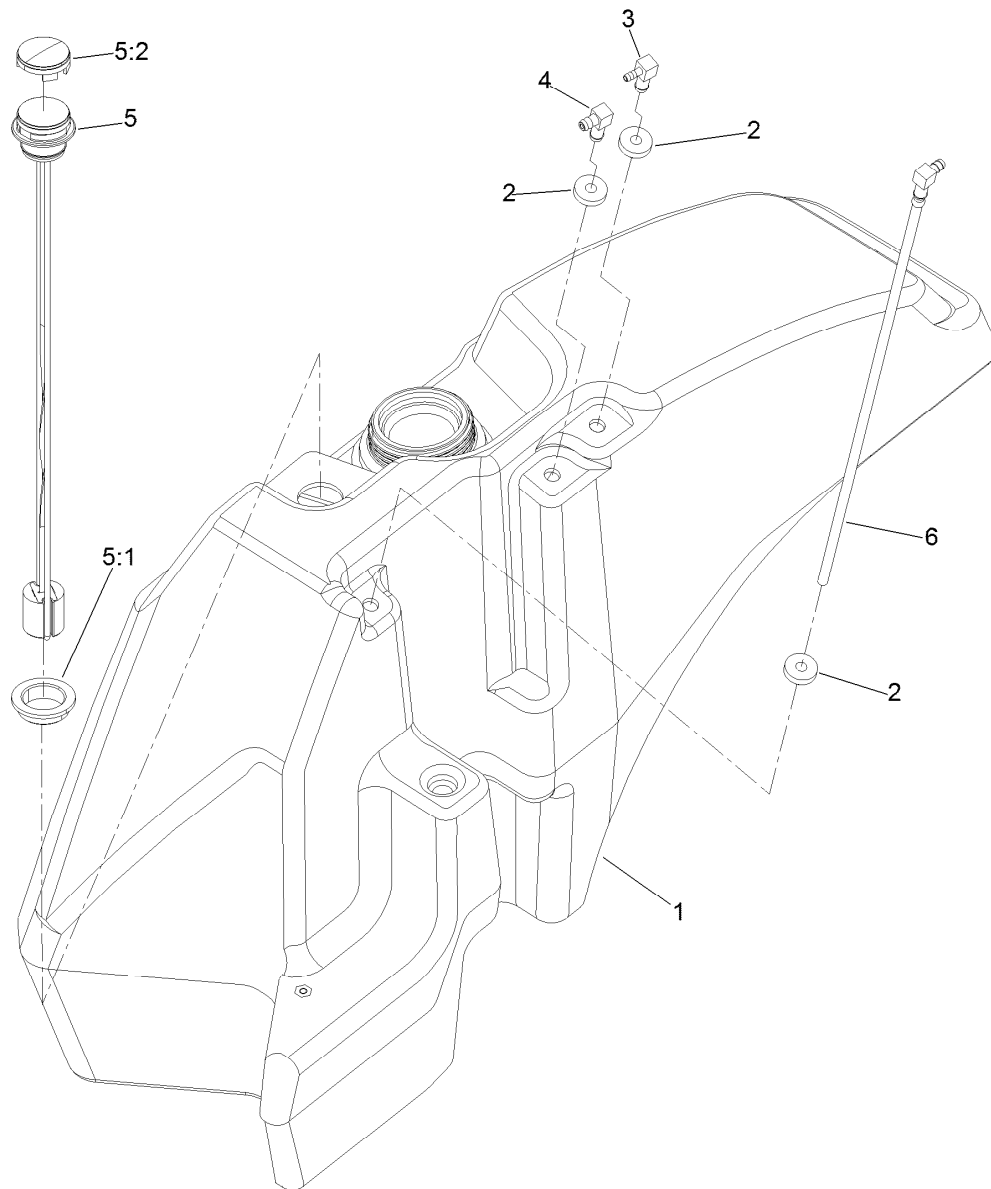
Ref.	Part Number	Qty.	Description
16	138-4461-0P	1	Bracket-Shroud Retainer
17	139-6230	1	Bracket-Bottle Mount
17:2	93-7272	1	Decal-Warning
18	106-1126	1	Hose-Fuel
19	108-1393	1	Strip-Foam
20	MSC14544	2	Grommet
22	63-9750	2	Mount
23	130-9182	1	Foam-Radiator, Short
24	144-0472	1	Decal-Coolant Level
25	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

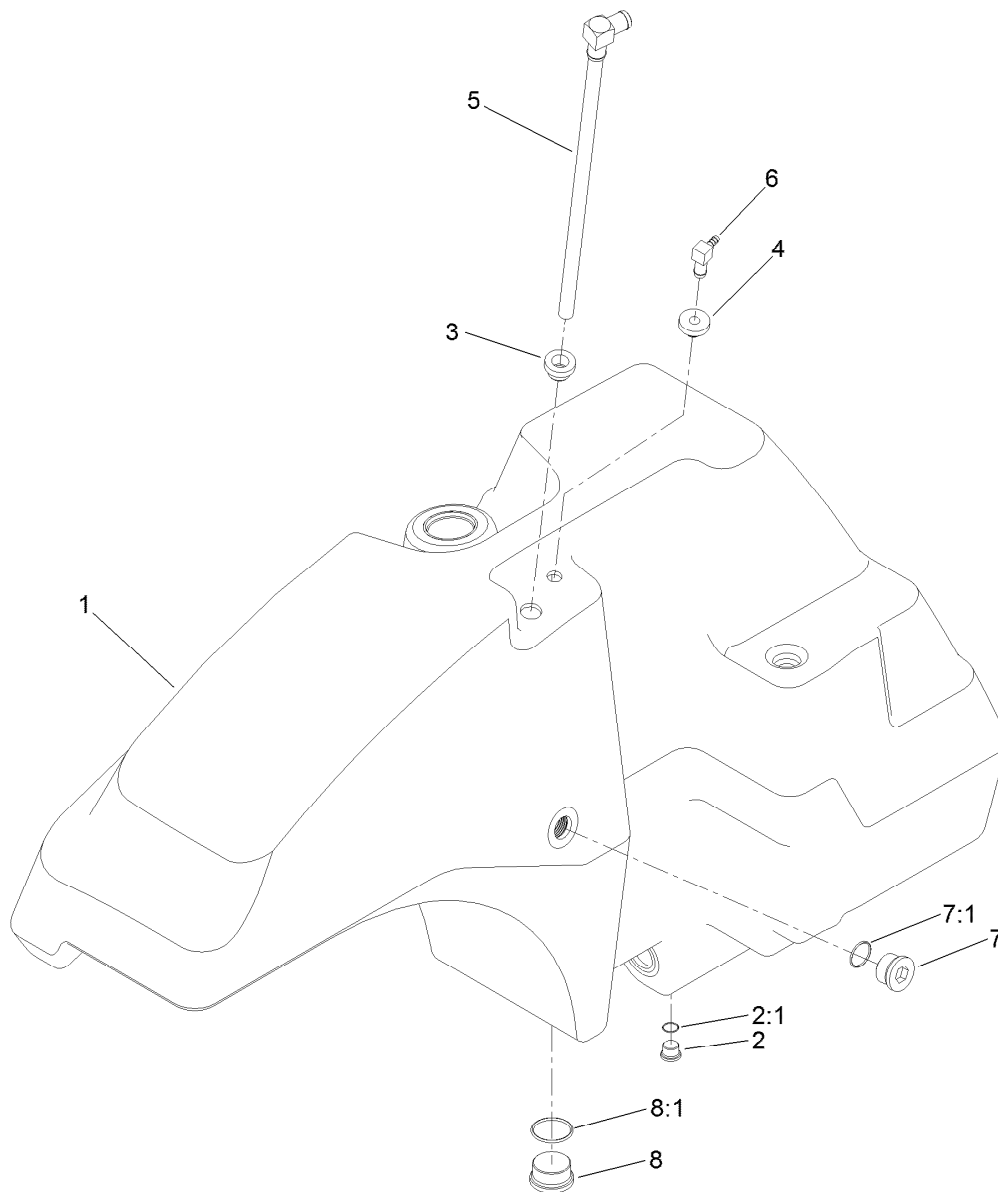
Ref.	Part Number	Qty.	Description
1	138-0291	1	Fuel Tank
2	138-4418	1	Hydraulics Tank ASM
3	114-4920	1	Hose
4	145-5933	1	Hose ASM-Hydraulic
5	2412-119	3	Clamp-Hose
6	138-7361	1	Hose-Suction
7	2412-34	1	Clamp-Hose
8	145-6099	1	Tank Support-Hydraulic
8:2	127-0392	1	Decal-Hot Surface
9	138-0441-03	1	Bracket-Tank 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

Ref.	Part Number	Qty.	Description
18	3230-23	2	Bolt-CARR
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
27	92-2379	2	Clamp-Hose
28	131-8402	2	Strap-Down, Hold
29	125-9171	1	Cap-Fuel
30	138-7499	1	Fitting-Strainer
31	138-7388	1	Dipstick
32	94-8166	1	O-Ring
33	93-7498	1	Plug-Plastic
35	139-0940-03	1	Bracket-Tank Mount, Front RH
39	107-3154	6	Nut-Push
40	3231-22	4	Screw-CARR
41	117-0943	1	Fitting-Elbow



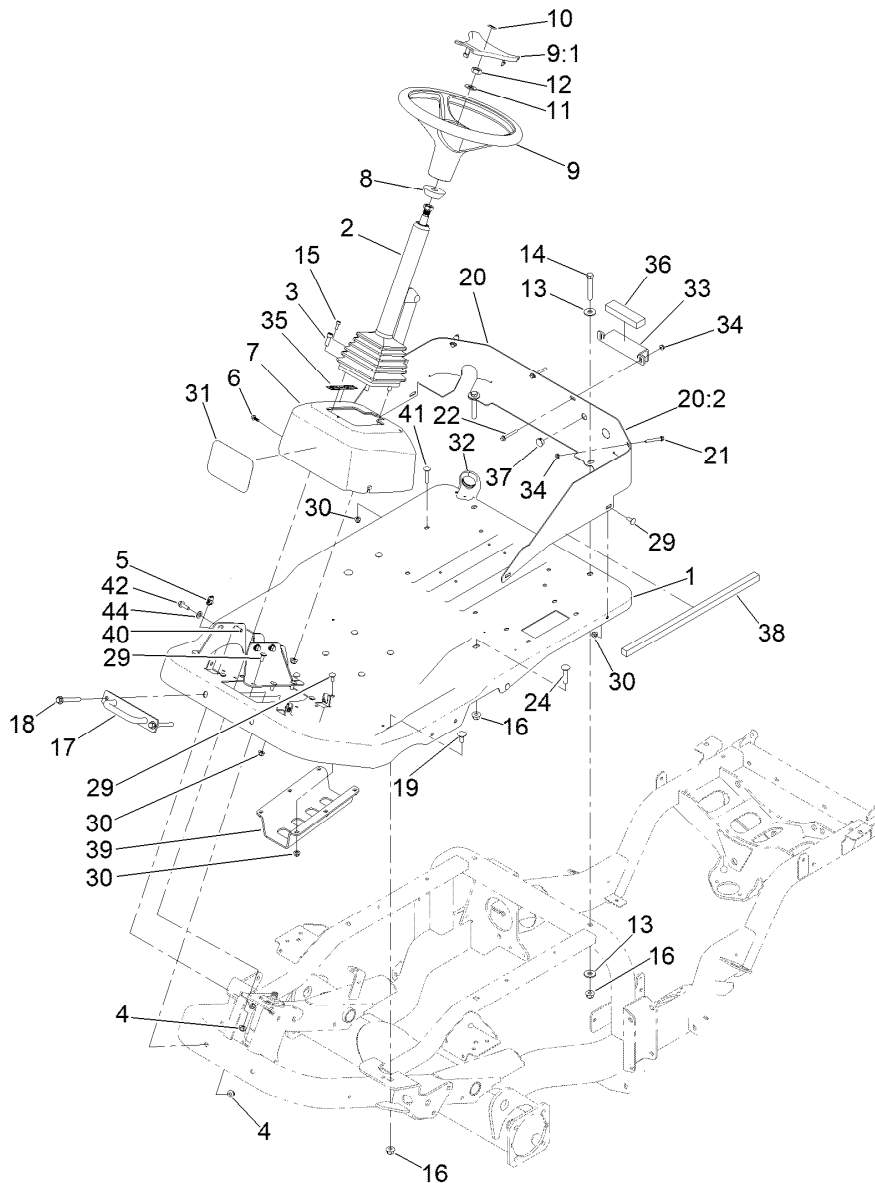
Fuel Tank Assembly No. 138-0291

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



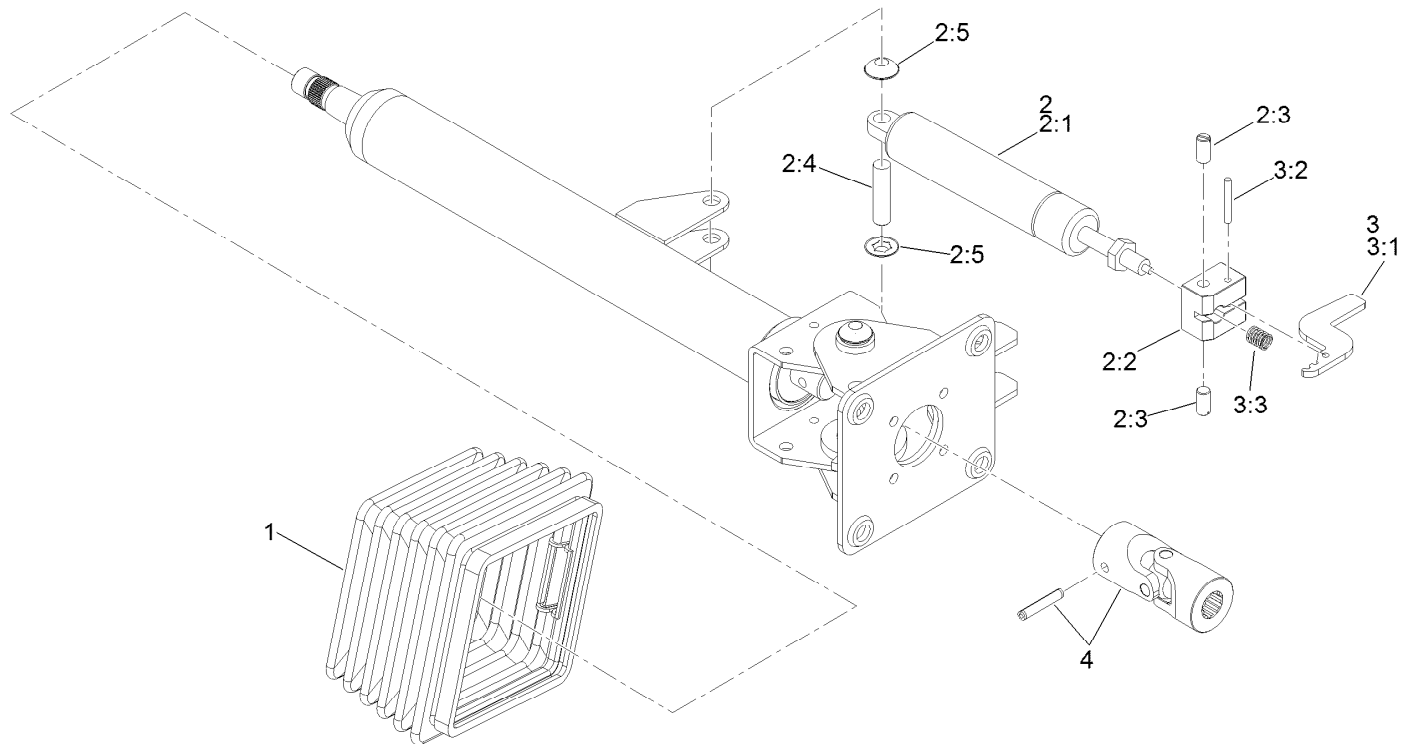
Hydraulic Tank Assembly No. 138-4418

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

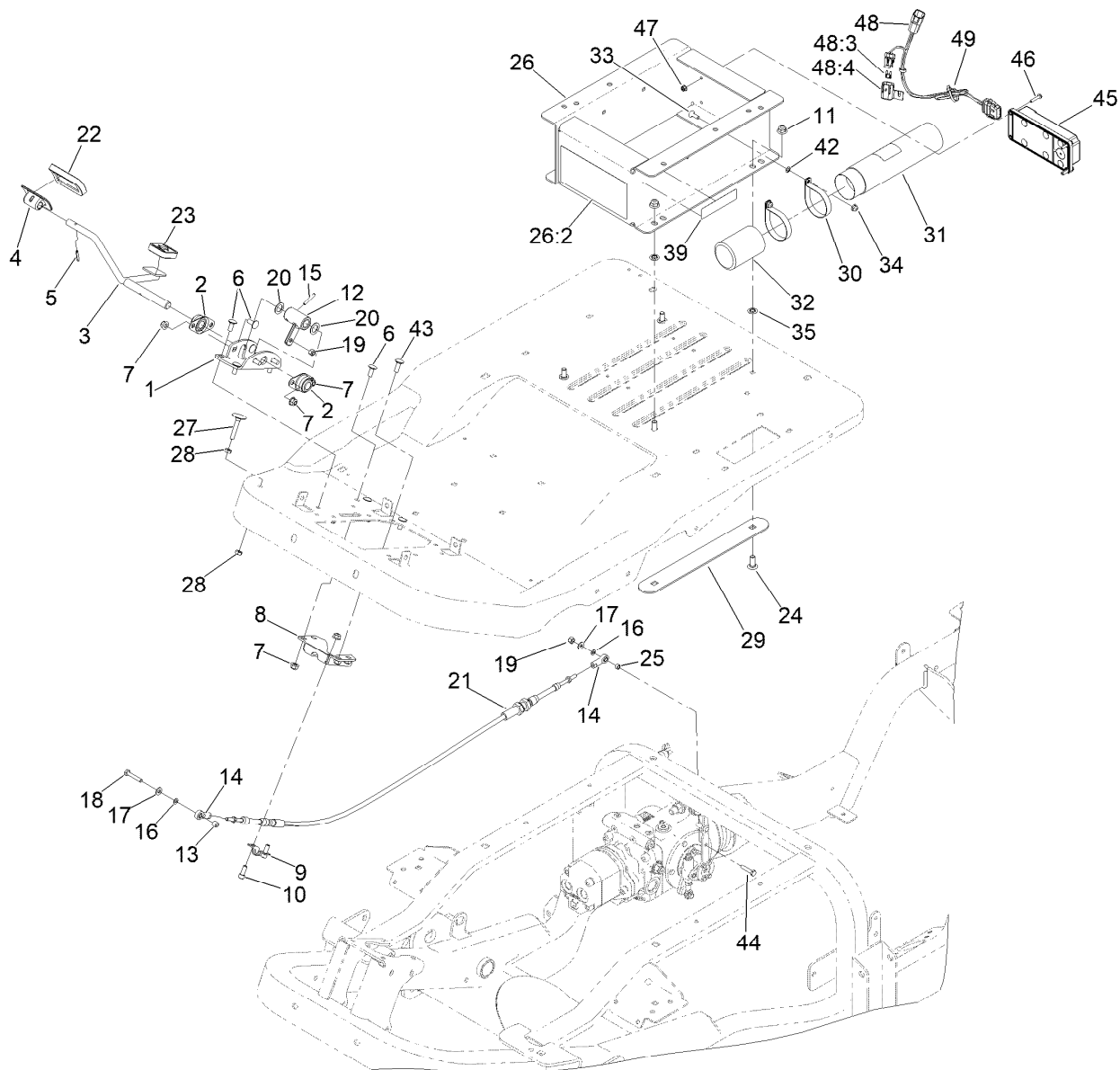
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	144-4030SP	1	Platform-Stamped	20:2	132-1316	2	Decal-Danger, Belt
2	139-0857	1	Column-Steering, Tilt	21	125-4287	2	Screw-HHF
3	3274-7	4	Screw-HSH	22	3234-34	2	Screw-HHF
4	104-8301	6	Nut-HF, NI	24	3232-5	2	Screw-CARR
5	107069	4	Clip	29	3230-23	15	Bolt-CARR
6	99-6810	4	Screw-HHF	30	104-8300	21	Nut-HF, NI
7	138-7494	1	Cover-Steering	31	105-1217	1	Decal
8	93-5429	1	Collar-Foam	32	144-0473	1	Plug-Harness, Firewall
9	98-1471	1	Wheel-Steering	33	139-2166-0P	1	Bracket-Hood Support
9:1	98-1468	1	Cover-Wheel, Steering	34	104-7201	4	Nut-HF, NI
10	98-1459	1	Decal	35	140-1460	1	Decal-Traction Pedal
11	3256-27	1	Washer-Flat	36	139-6202	1	Foam-Strip
12	3296-33	1	Nut-Lock, NI	37	130-8439	1	Plug-Dome
13	3256-40	4	Washer-Flat	38	139-6207	1	Foam-Strip
14	324-12	2	Screw-HH	39	144-3954-03	1	Guard-Tubes, Hydraulic
15	105-2409	4	Screw-HSH	40	145-5983-0P	1	Bracket-Steering Mount [primed]
16	114-8417	6	Nut-HF, NI	41	116-0629	2	Screw-CARR
17	138-0288	1	Bracket-Down, Tie	42	3234-29	4	Screw-HHF
18	3234-41	2	Screw-HHF	44	3256-38	4	Washer-Flat
19	3232-1	2	Screw-CARR				
20	144-0528	1	Plate-Firewall, Lower				



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

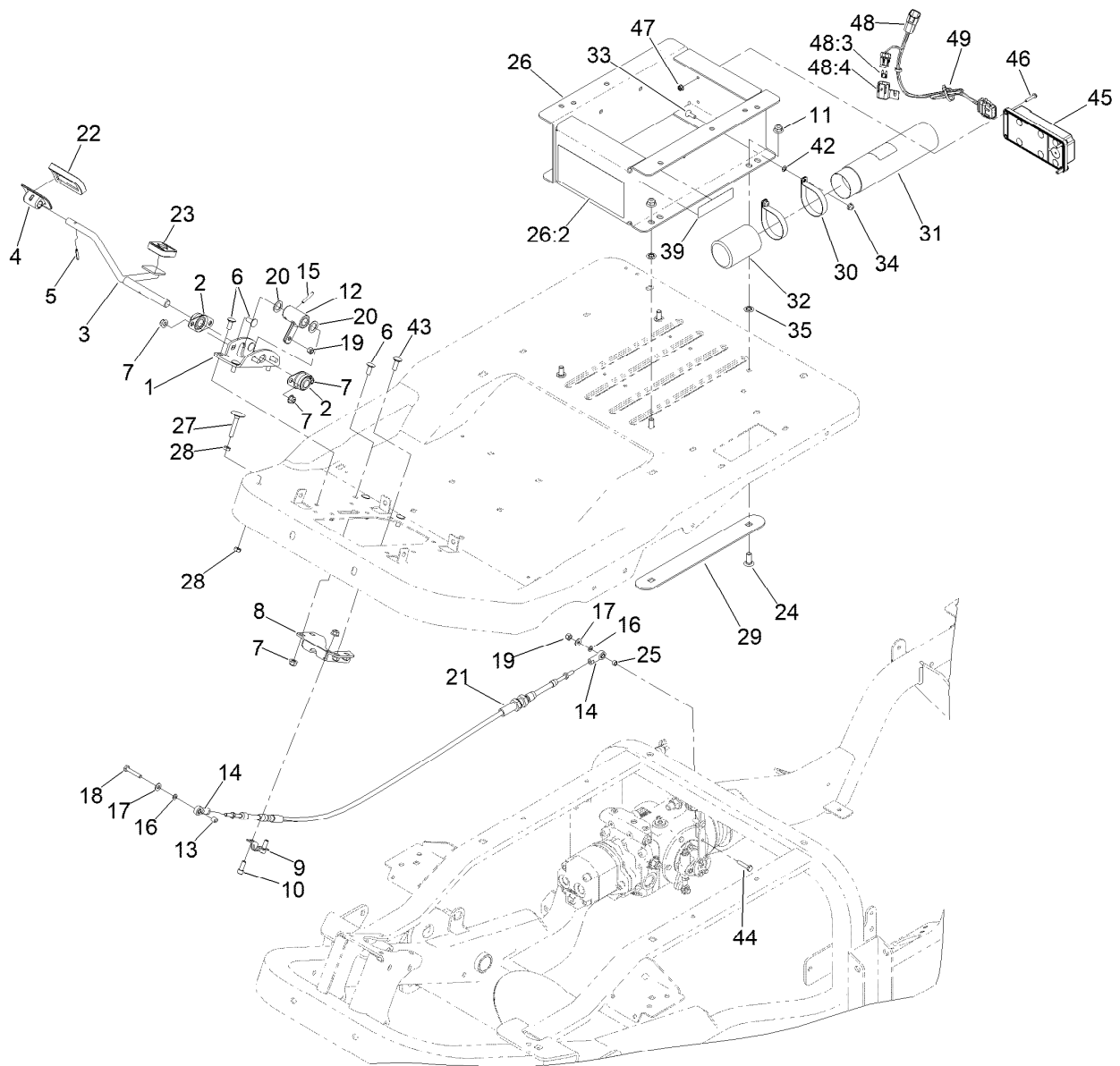
● Not serviced separately



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

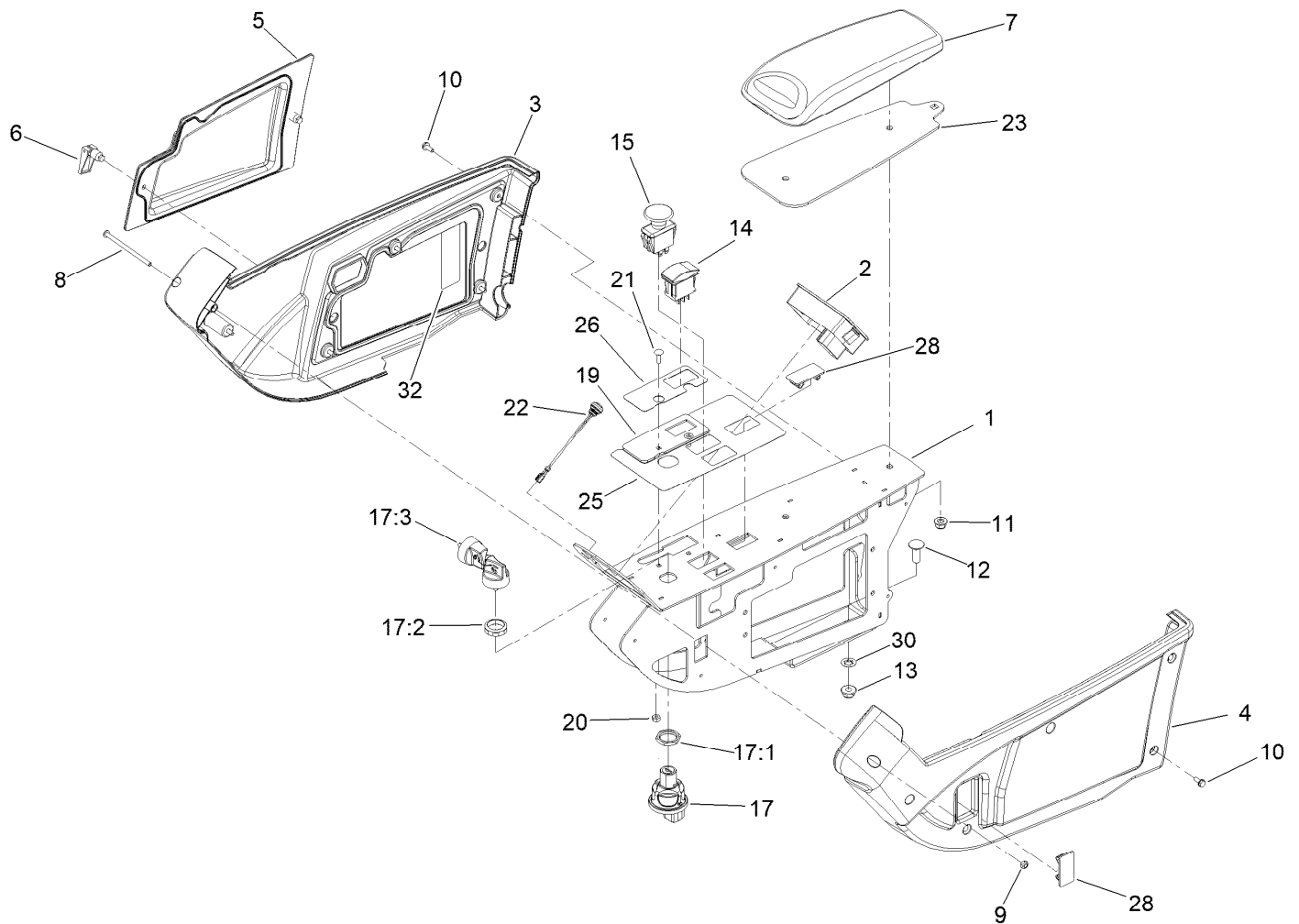
Ref.	Part Number	Qty.	Description
22	74-9100	1	Pad-Pedal, Forward
23	74-9110	1	Pad-Pedal, Reverse
24	3231-22	4	Screw-CARR
25	130-9691	1	Spacer
26	139-6221	1	Seat Box ASM
26:2	139-6215	1	Decal-Warning
27	115-8240	1	Screw-Elevator
28	3218-2	2	Nut-Hex Jam
29	138-7422-0P	2	Strip-Seat Mount
30	107-1865	2	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
39	133-8062	1	Decal-Spark Arrestor
42	32115-15	2	Nut-Push
43	3230-10	1	Bolt-CARR
44	321-8	1	Screw-HH
45	161-9001	1	Gateway-Telematics
46	131-6456	4	Screw-HWH



Pedal Assembly (continued)

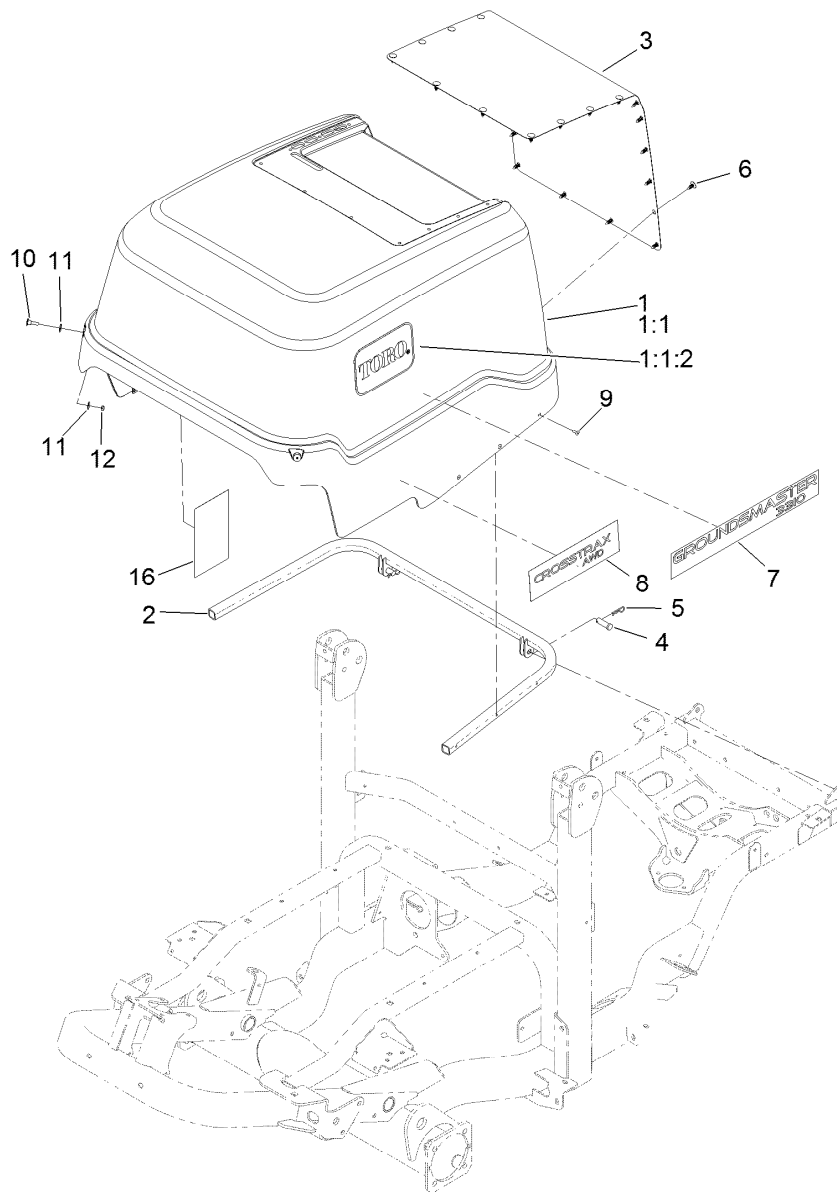
Ref.	Part Number	Qty.	Description
47	120-4578	4	Nut-HF
48	122-2160	1	Harness-Wire
48:3	121-8861	1	Fuse-Mini Blade, 2 Amp

Ref.	Part Number	Qty.	Description
48:4	32180-101	1	Cover-Fuse, Single
49	3290-378	1	Tie-Cable



Control Console Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	133-6406-03	1	Panel	15	93-9999	1	Switch-PTO
2	132-9751	1	Tdm 2001	17	121-5159	1	Switch-Ignition
3	108-7605	1	Cover-RH	17:1	121-5160	1	Nut-Hex
4	108-7604	1	Cover-LH	17:2	122-2704	1	Nut-Face, M22 (Plastic)
5	108-7616	1	Panel-Access	17:3	121-5162	1	Set-Key, Ignition
6	74-5950	2	Latch-Swell	19	137-2511	1	Cover-Throttle, Switch
7	131-9637	1	Armrest-Quick Find	20	3296-2	2	Nut-Lock, NI
8	3250-22	1	Screw-PPH	21	1-807533	2	Bolt-CARR
9	3296-12	1	Nut-Lock, NI	22	136-9678	1	Switch-Pushbutton
10	32144-112	10	Screw-HWH	23	138-4548-03	1	Plate-Spacer, Console Pad
11	104-8300	2	Nut-HF, NI	25	138-7471	1	Decal-Console
12	3231-22	2	Screw-CARR	26	138-7472	1	Decal-Throttle
13	104-8301	2	Nut-HF, NI	28	99-7420	2	Plug-Hole
14	100-1535	2	Switch-Rocker, (On)-Off-(On)	30	107-3154	2	Nut-Push
				32	140-3126	1	Decal-Fuse

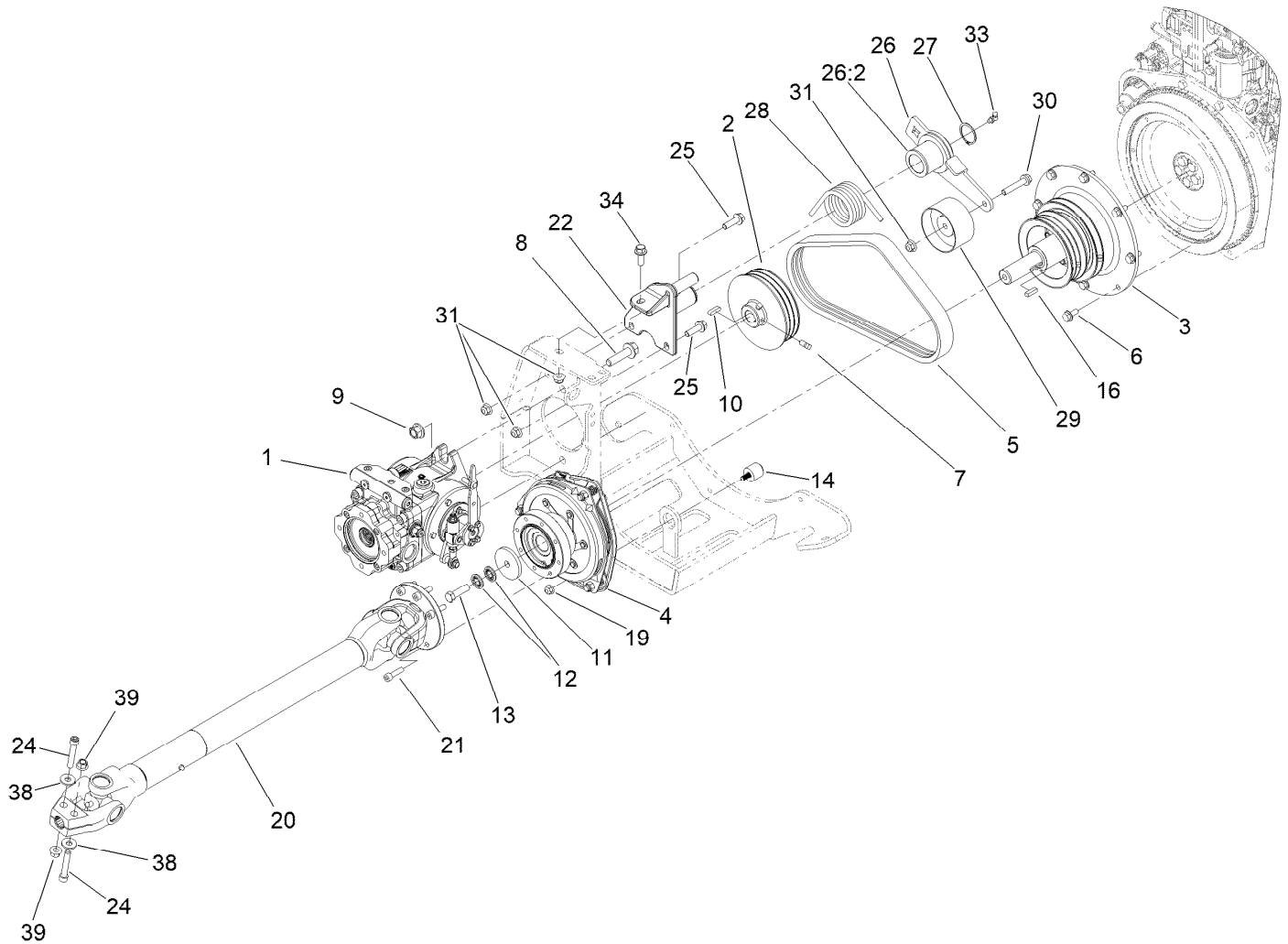


Hood Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	138-7330SP	1	Hood	5	3290-467	2	Pin-Hair
1:1		1	Hood ASM ■	6	117-2382	24	Plug-Plastic
1:1:2	62-7400	2	Decal-Toro Logo	7	139-6153	2	Decal-Identification
1:2	139-6225	1	Tape-Heat, Hood Front ●	8	110-8859	2	Decal
1:3	139-6226	1	Tape-Heat, Hood Rear ●	9	114439	10	Rivet-Blind
1:4	139-6227	1	Tape-Heat, Hood Side ●	10	139-0855	2	Screw-Countersunk, Oval
2	138-7331-03	1	Support-Hood	11	3256-2	4	Washer-Flat
3	138-7474-03	1	Screen-Cooler	12	3296-56	2	Nut-Lock, NI
4	283-68	2	Pin-Clevis	16	139-6218	1	Decal-Service, Gm3300

● Not illustrated

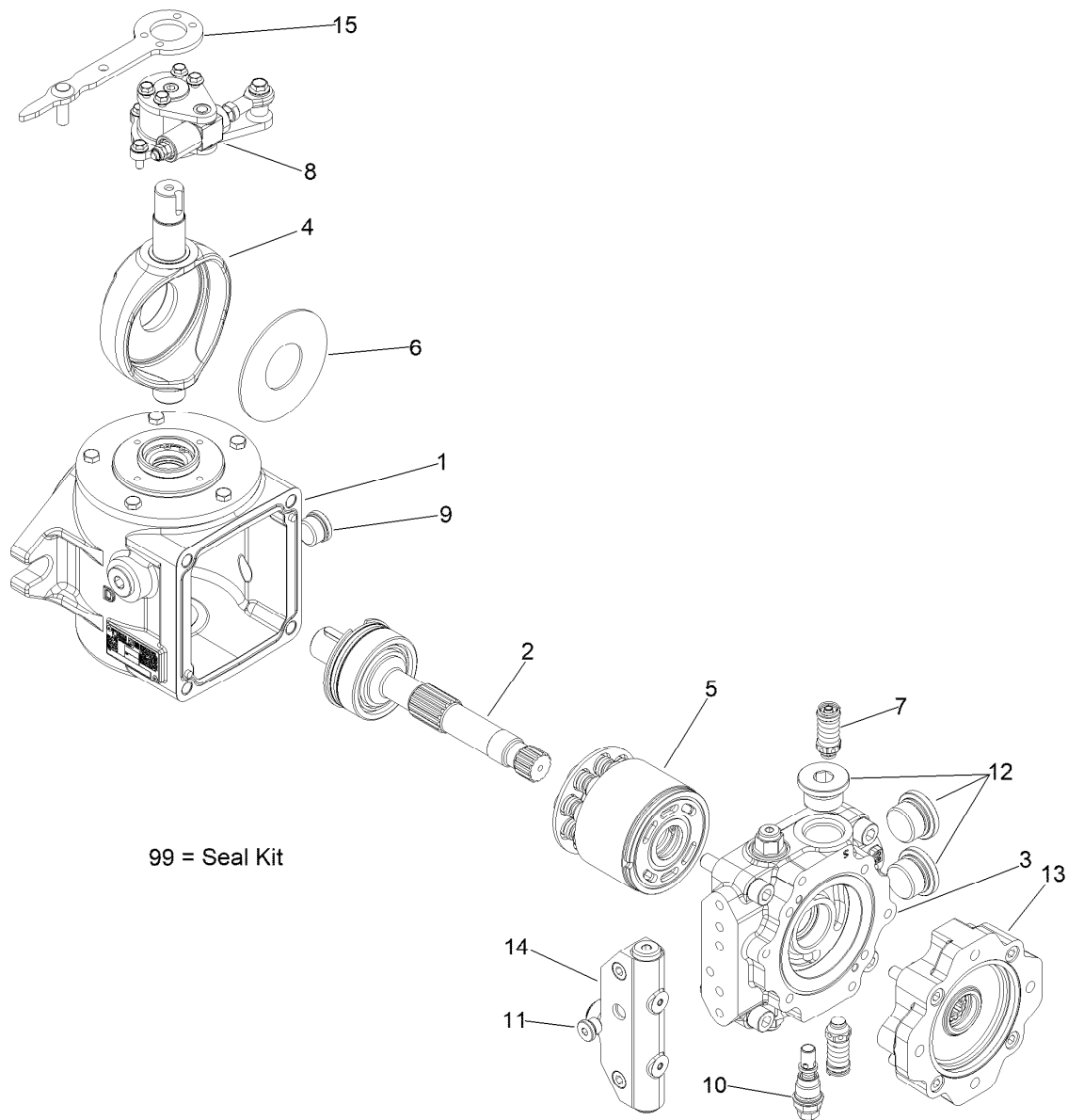
■ Not serviced separately



Pump, Driveshaft and Clutch Assembly

Ref.	Part Number	Qty.	Description
1	145-5940	1	Pump-Bondioli
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-HH
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

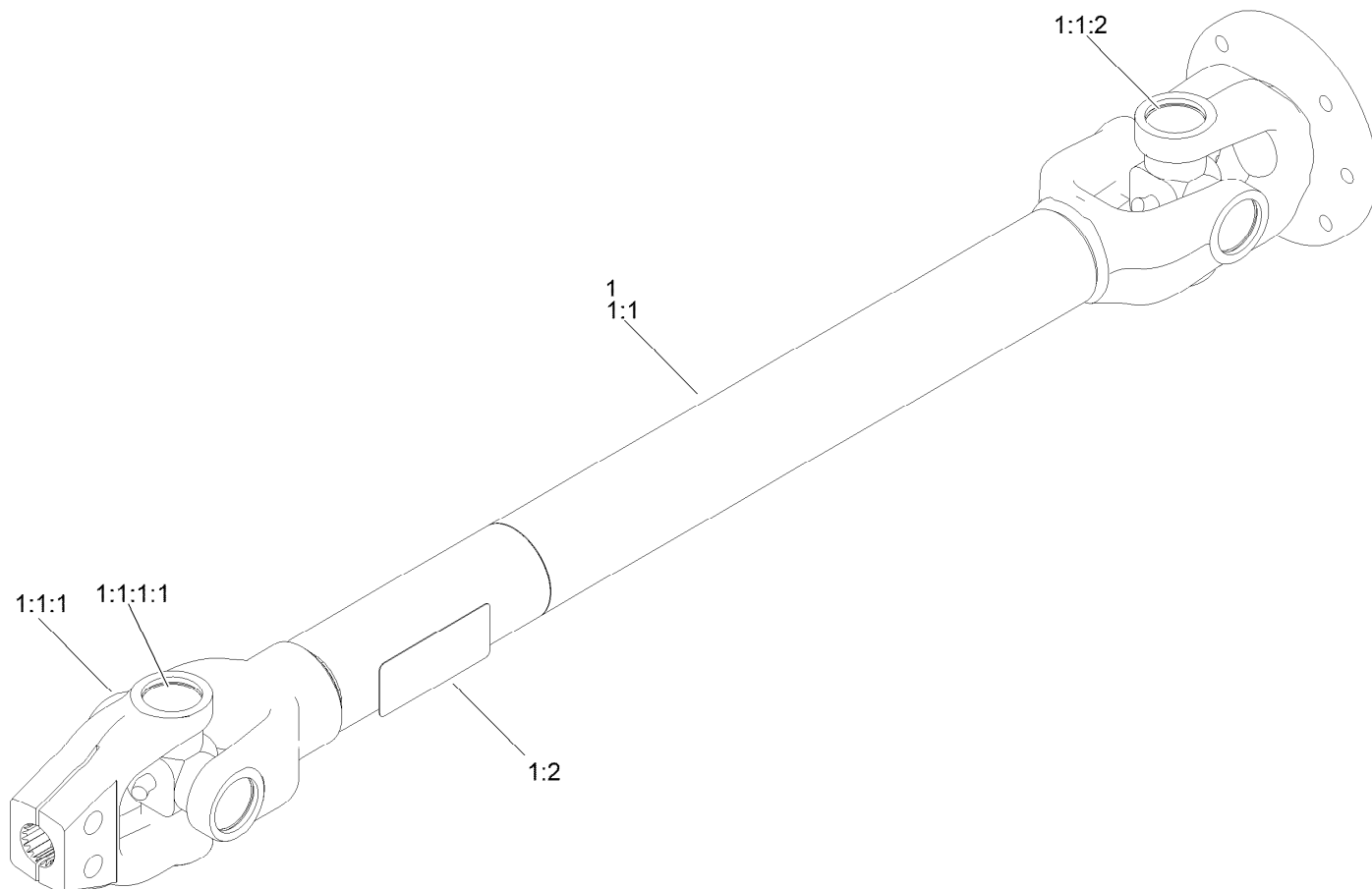
Ref.	Part Number	Qty.	Description
20	144-0521SP	1	Driveshaft ASM
21	144-0452	6	Screw-HSH, Patch
22	140-6200	1	Idler Pivot (Mach)
24	131-8591	2	Screw-HSH
25	119-4061	2	Screw-HHF
26	140-6179	1	Idler Arm ASM
26:2	93-4510	2	Bushing-Caster
27	32120-84	1	Ring-Snap, External
28	140-3102	1	Spring-Torsion
29	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

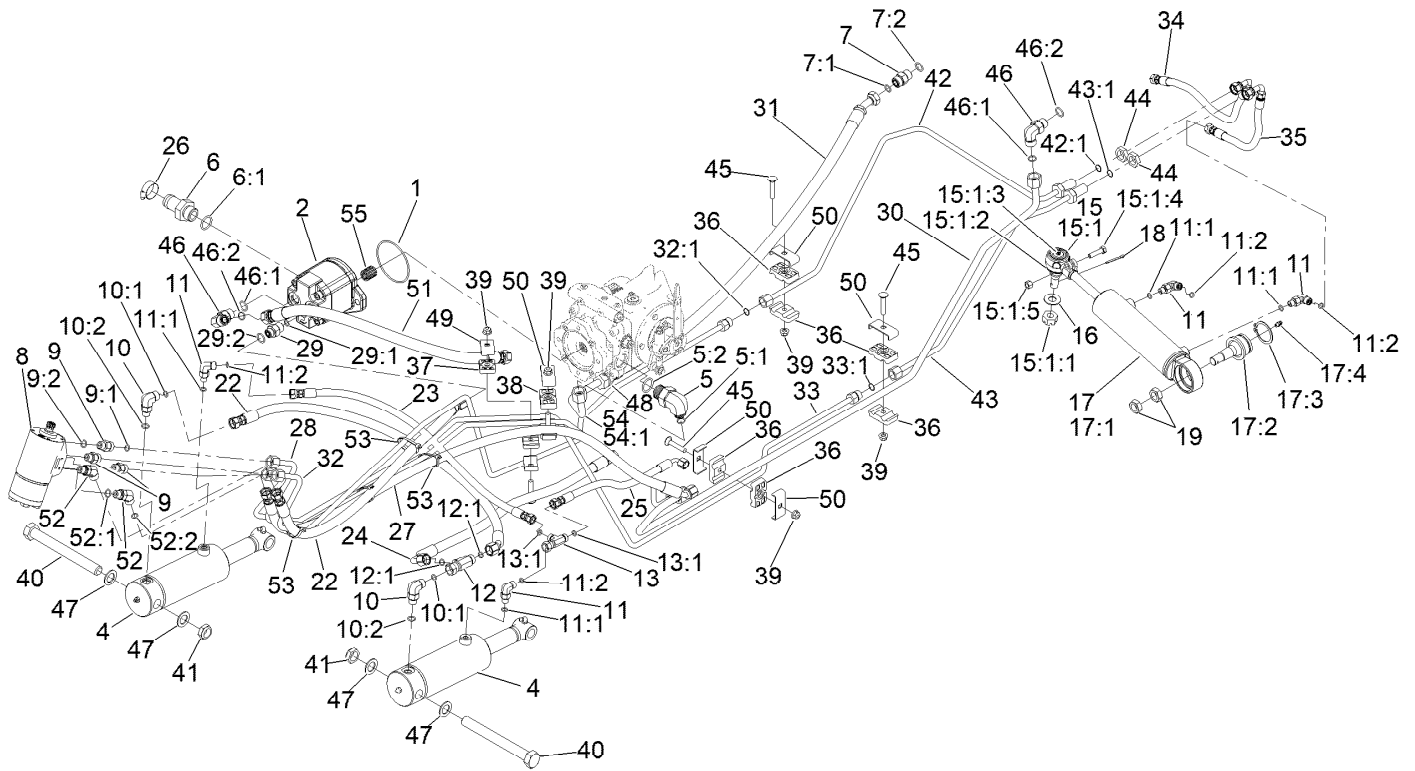
Ref.	Part Number	Qty.	Description
9	147-0169	1	Cap-Seal
10	147-0170	1	Valve-Relief 10-15 Bar
11	147-0171	1	Plug, 7/16"-20 Unf
12	147-0172	1	Plug, 1-1/16"-12 Unf
13	147-0173	1	Pump-Endcap
14	147-0174	1	Exchange Valve ASM
15	147-0175	1	Lever-Control
99	147-0176	1	Kit-Seal



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

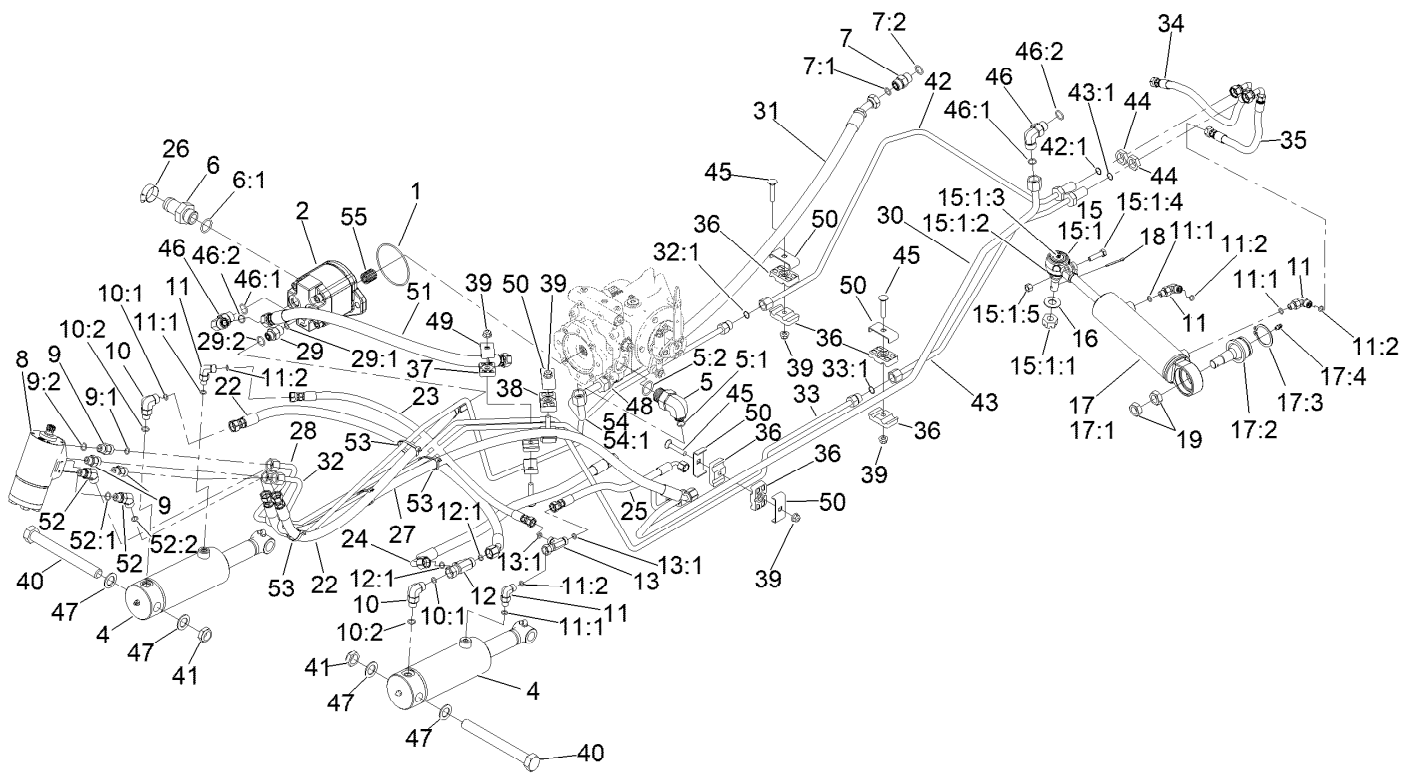


Hydraulic Assembly

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

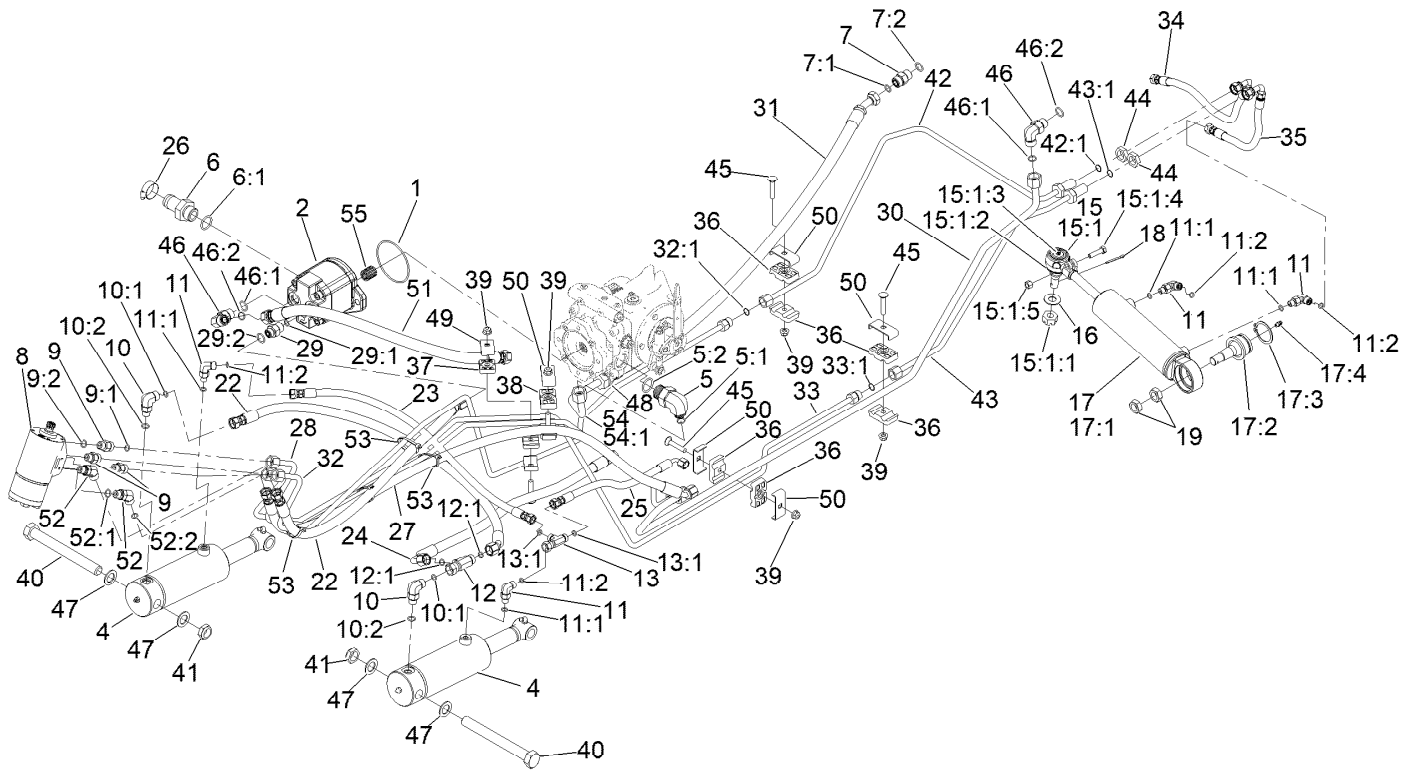


Hydraulic Assembly (continued)

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

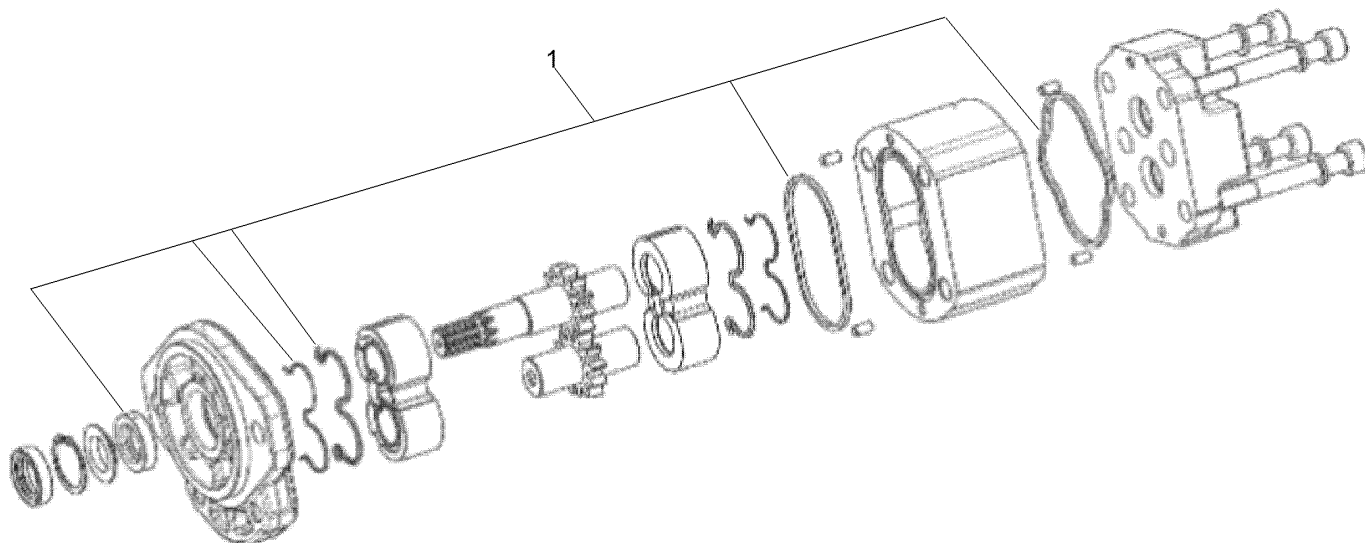


Hydraulic Assembly (continued)

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

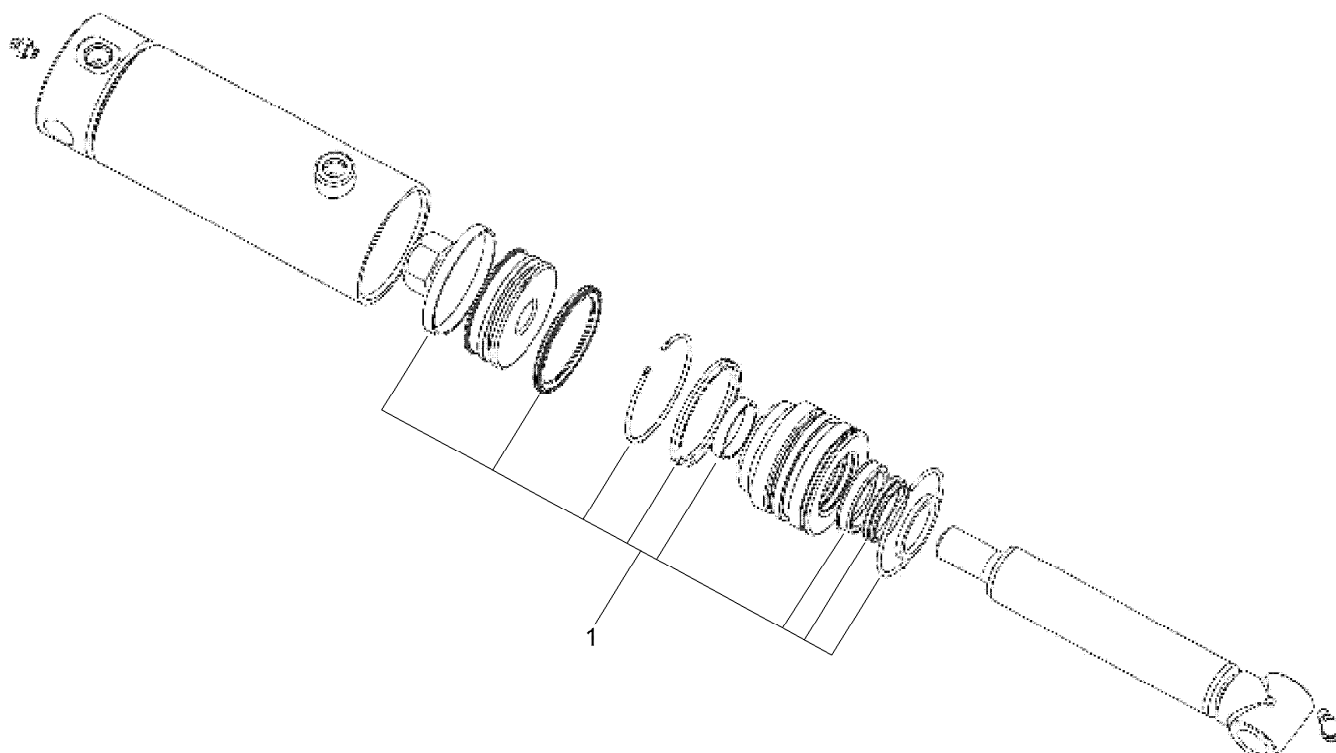
Ref.	Part Number	Qty.	Description
52	340-87	2	Fitting-Elbow, 45 DEG
52:1	237-22	1	O-Ring
52:2	237-42	1	O-Ring
53	3290-378	4	Tie-Cable
54	145-5945	1	Hydraulic Tube ASM
54:1	237-30	1	O-Ring
55	147-0196	1	Coupler-Pump, Bondioli

● 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

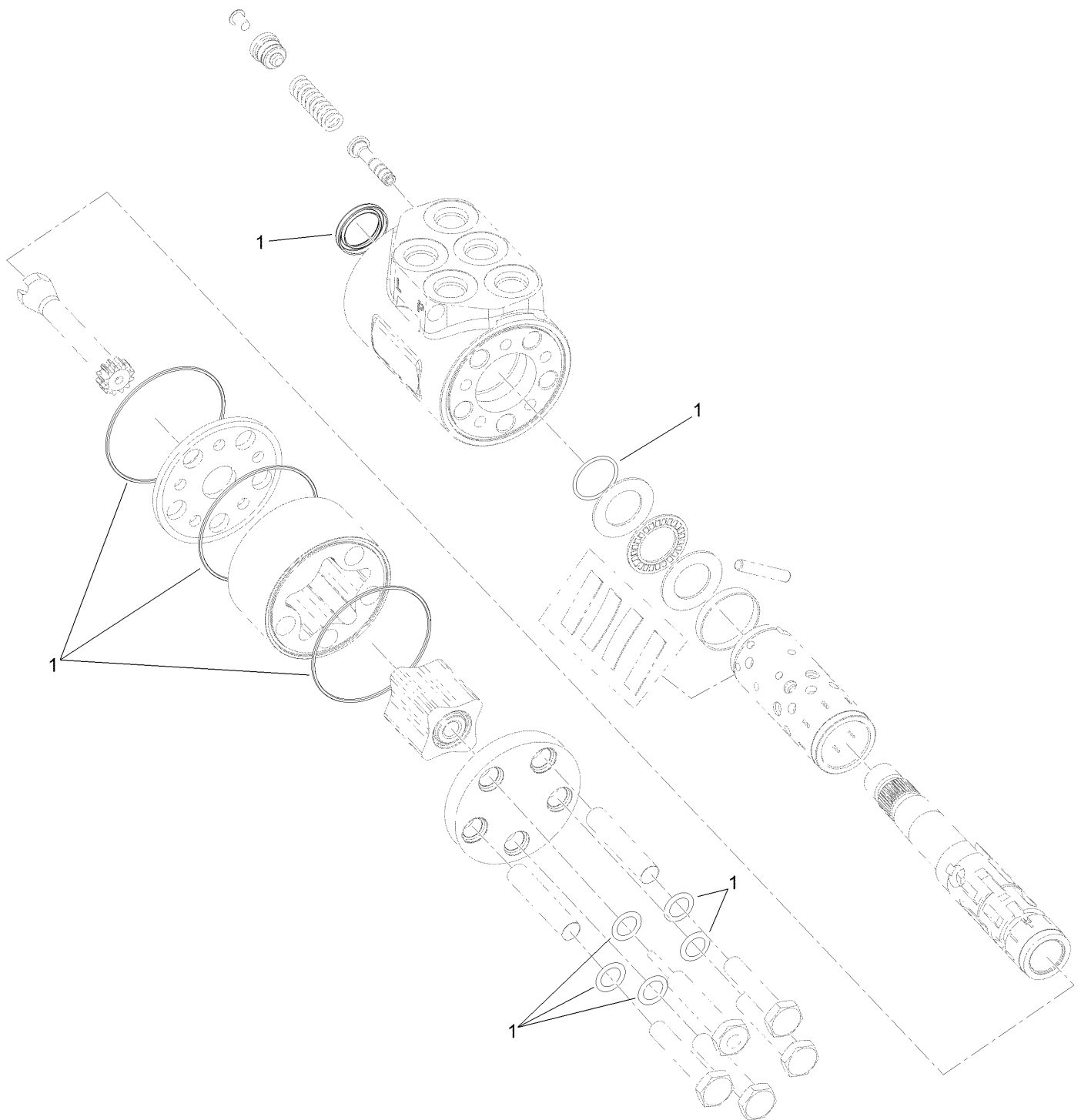


Hydraulic Cylinder No. 139-0854

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

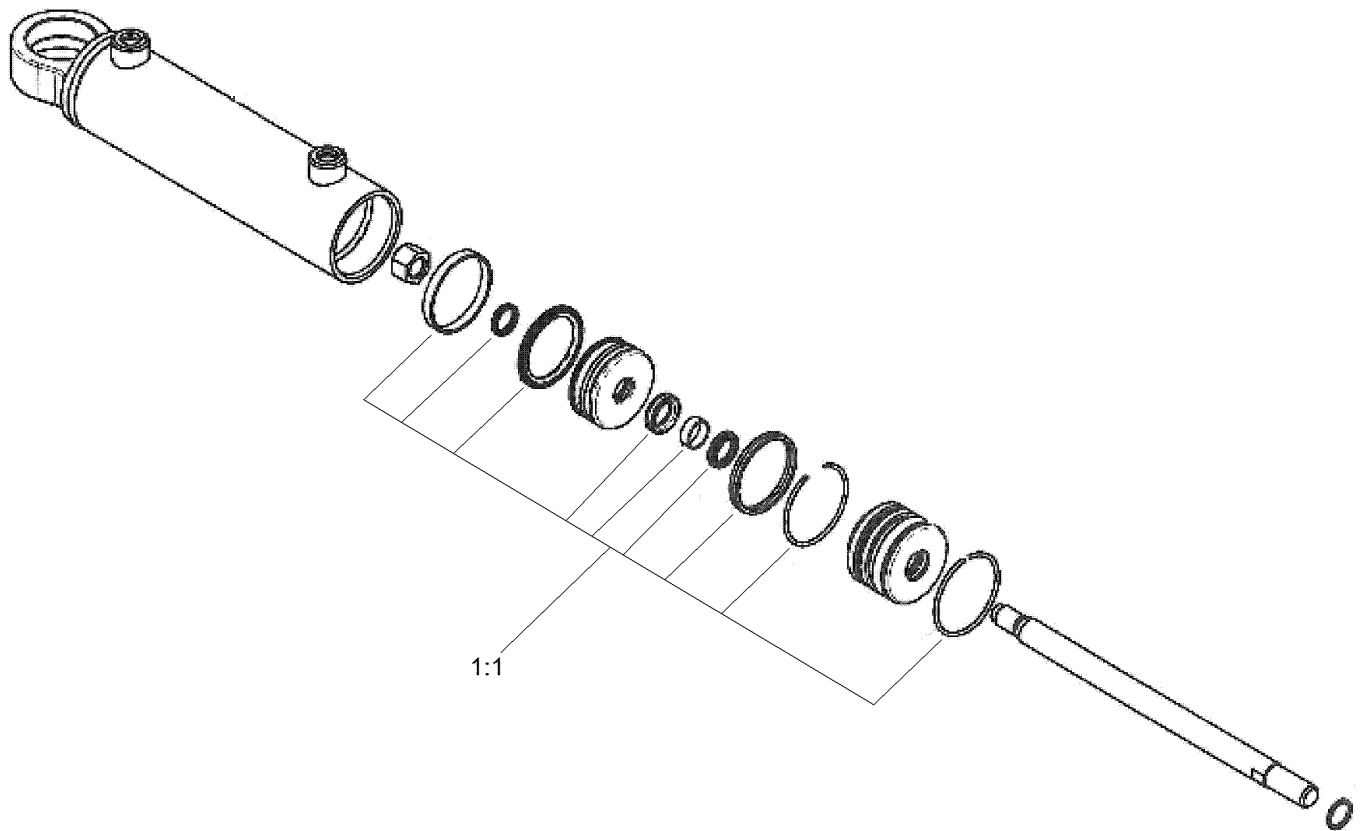
● Not illustrated

Steering Valve Assembly No. 114-8119



Steering Valve Assembly No. 114-8119 (continued)

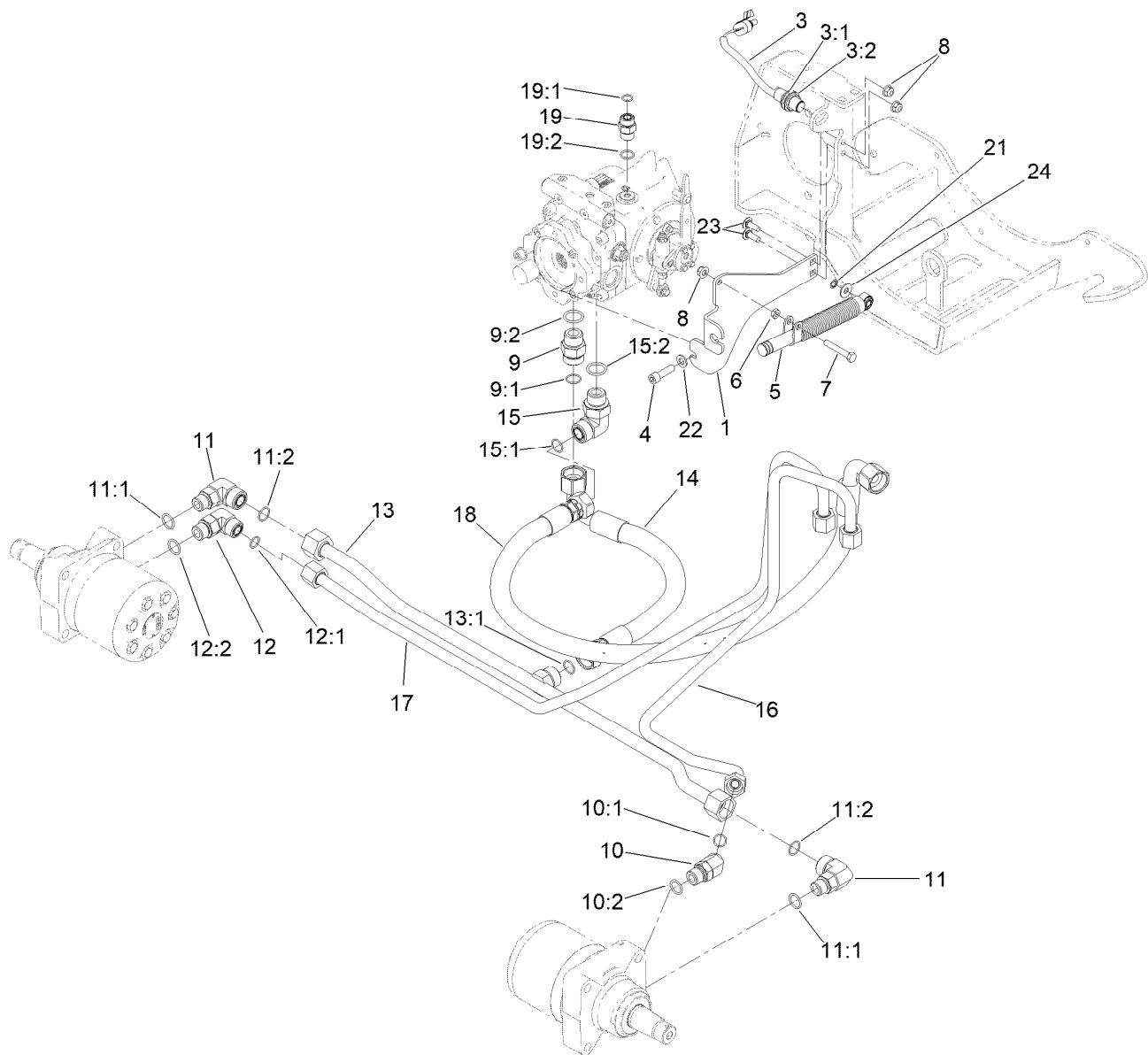
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106-6716	1	Seal Kit



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 ●

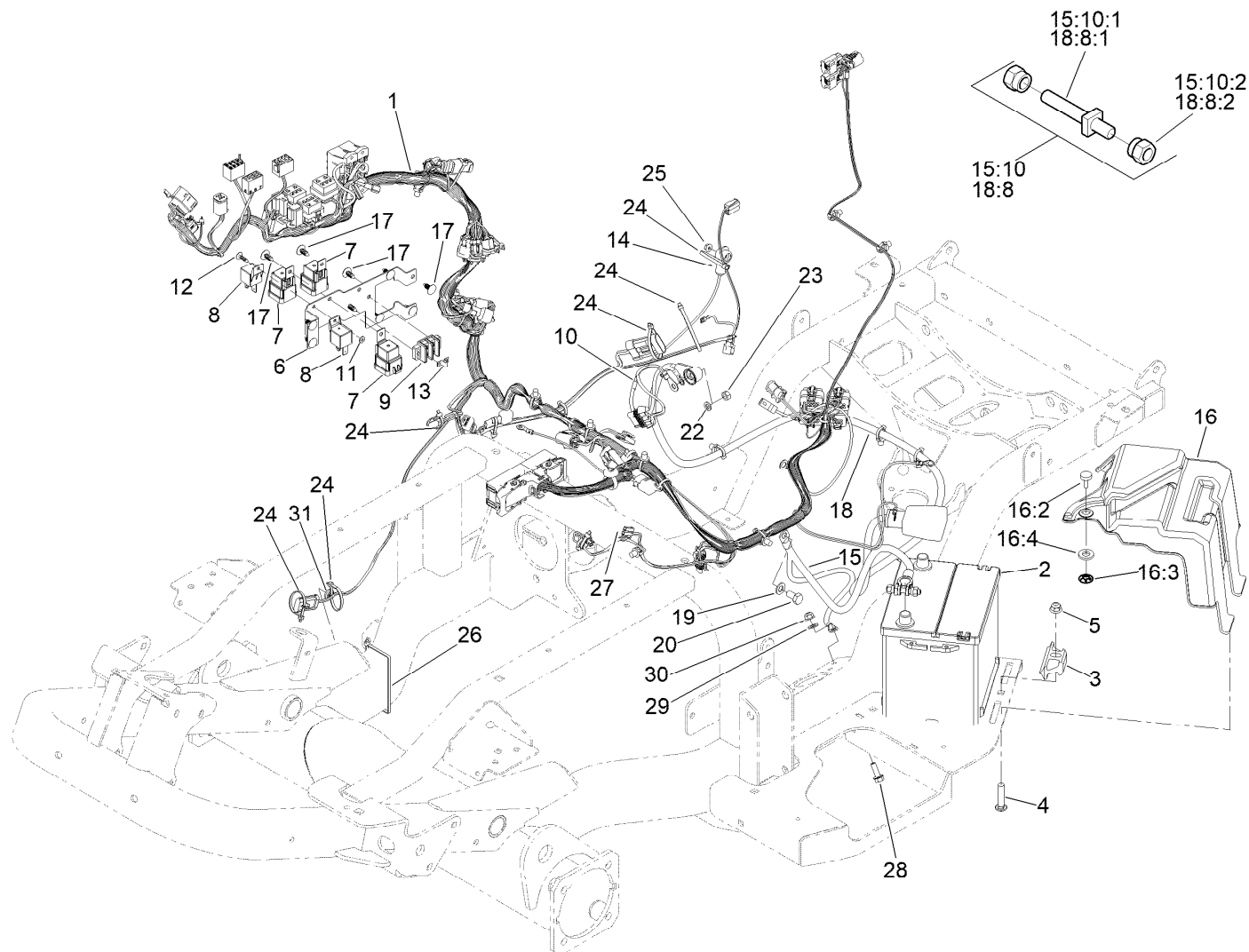
● Not illustrated



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



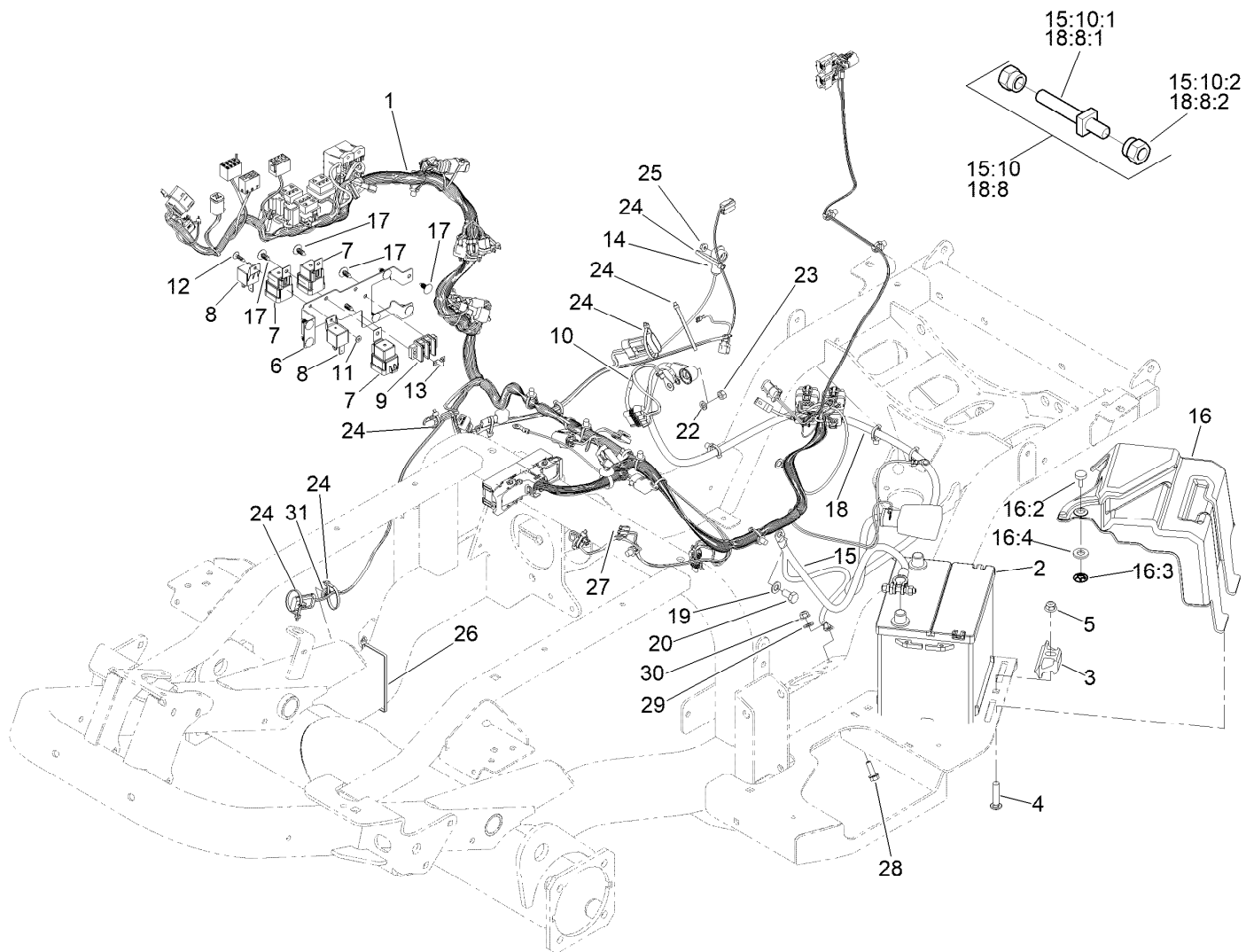
Electrical Assembly

Ref.	Part Number	Qty.	Description
1	122-2517	1	Harness-Wire, Main
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	3	Relay-Mini
8	99-7435	2	Relay
9	42862	1	Block-Terminal, Ground
10	99-3441	1	Harness-Wire, Fusible Link
11	3256-21	1	Washer-Flat
12	125-8067	1	Plug-Plastic
13	42863	1	Strip-Jumper
14	100-5552	1	Harness-Wire
15	122-1276	1	Cable-Battery, Negative ASM
15:10		1	Bolt ASM ■▲

Ref.	Part Number	Qty.	Description
15:10:1	32180-107	1	Bolt-Clamp, Battery
15:10:2	32180-108	2	Nut-Hex Shoulder
16	140-9010	1	Battery Cover ASM
16:2	140-9033	1	Knob-Stud
16:3	32115-15	1	Nut-Push
16:4	3256-22	1	Washer-Flat
17	117-2382	10	Plug-Plastic
18	122-1275	1	Cable-Battery, Positive ASM
18:1	32180-115	1	Panduit, Cable Tie ■
18:8		1	Bolt ASM ■▲
18:8:1	32180-107	1	Bolt-Clamp, Battery
18:8:2	32180-108	2	Nut-Hex Shoulder
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

● Obtain Locally
▲ Not serviced separately

■ Not illustrated



Electrical Assembly (continued)

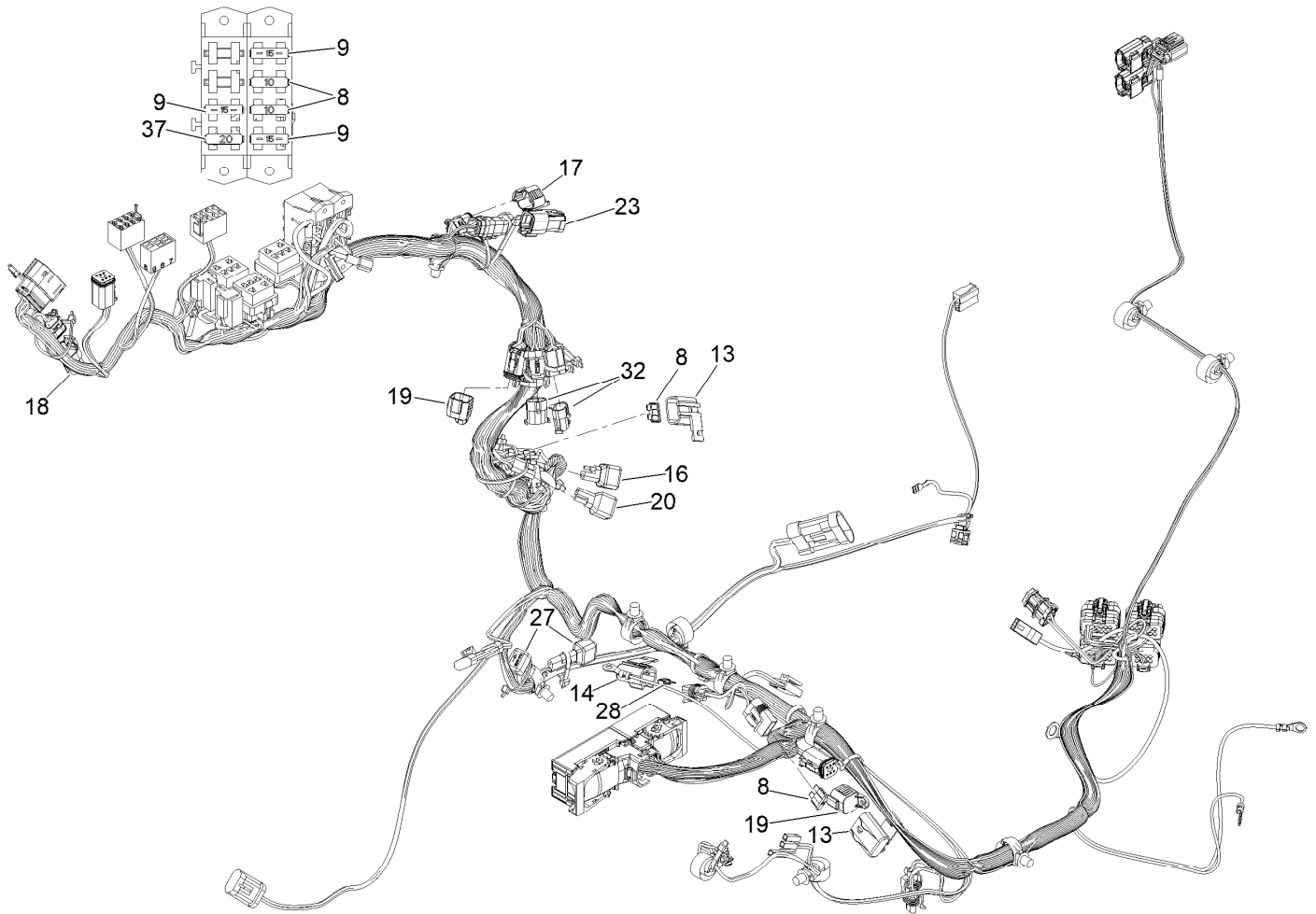
Ref.	Part Number	Qty.	Description
26	3290-379	1	Tie-Cable
27	32180-149	1	Tie-Button Head
28	3234-29	1	Screw-HHF

Ref.	Part Number	Qty.	Description
29	120-9683	1	Washer-Plain
30	104-8300	1	Nut-HF, NI
31	32180-139	1	Mount-Tie Wrap, Magnetic

● Obtain Locally
▲ Not serviced separately

■ Not illustrated

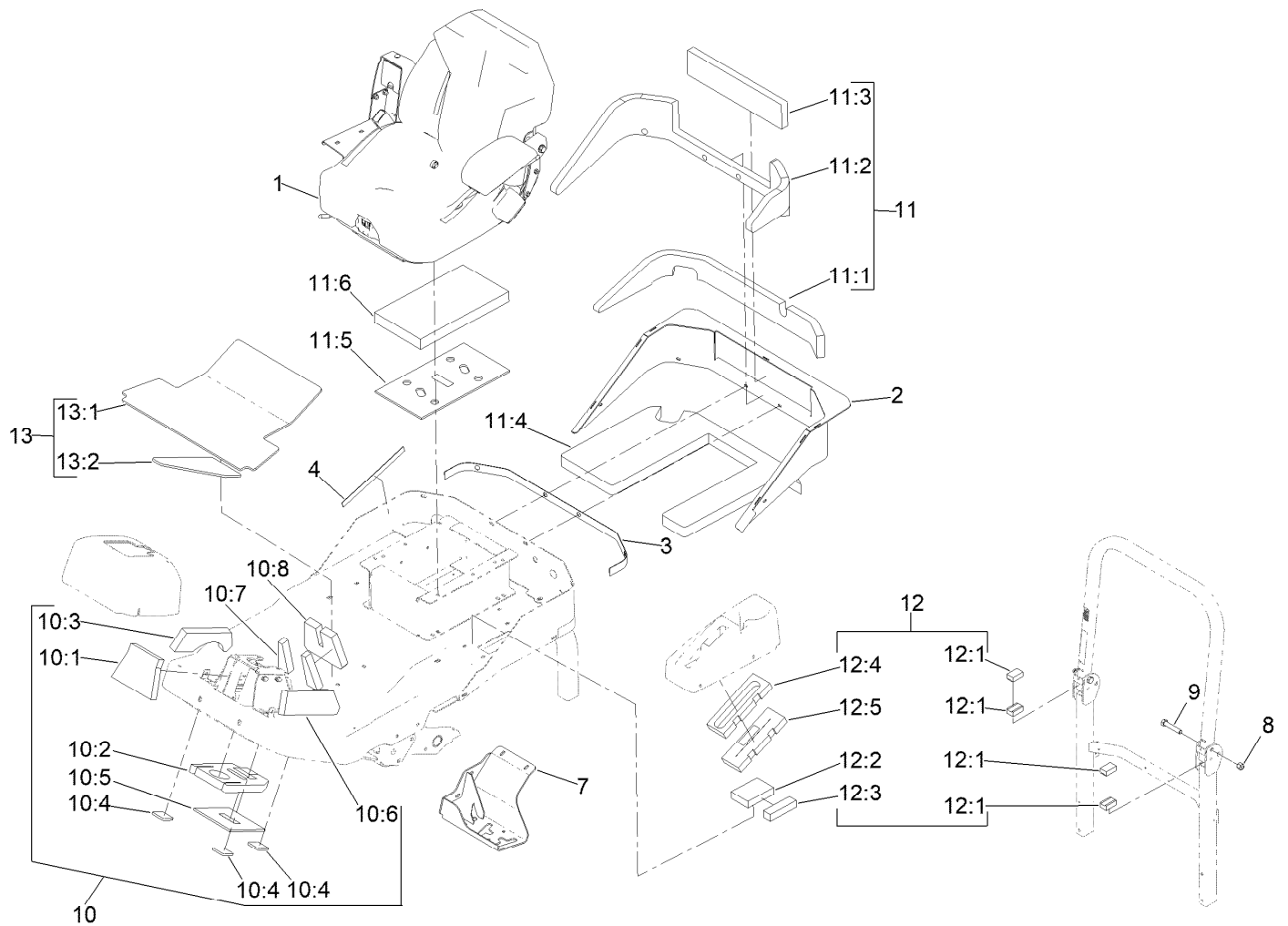
Main Wire Harness Assembly No. 122-2517



Main Wire Harness Assembly No. 122-2517 (continued)

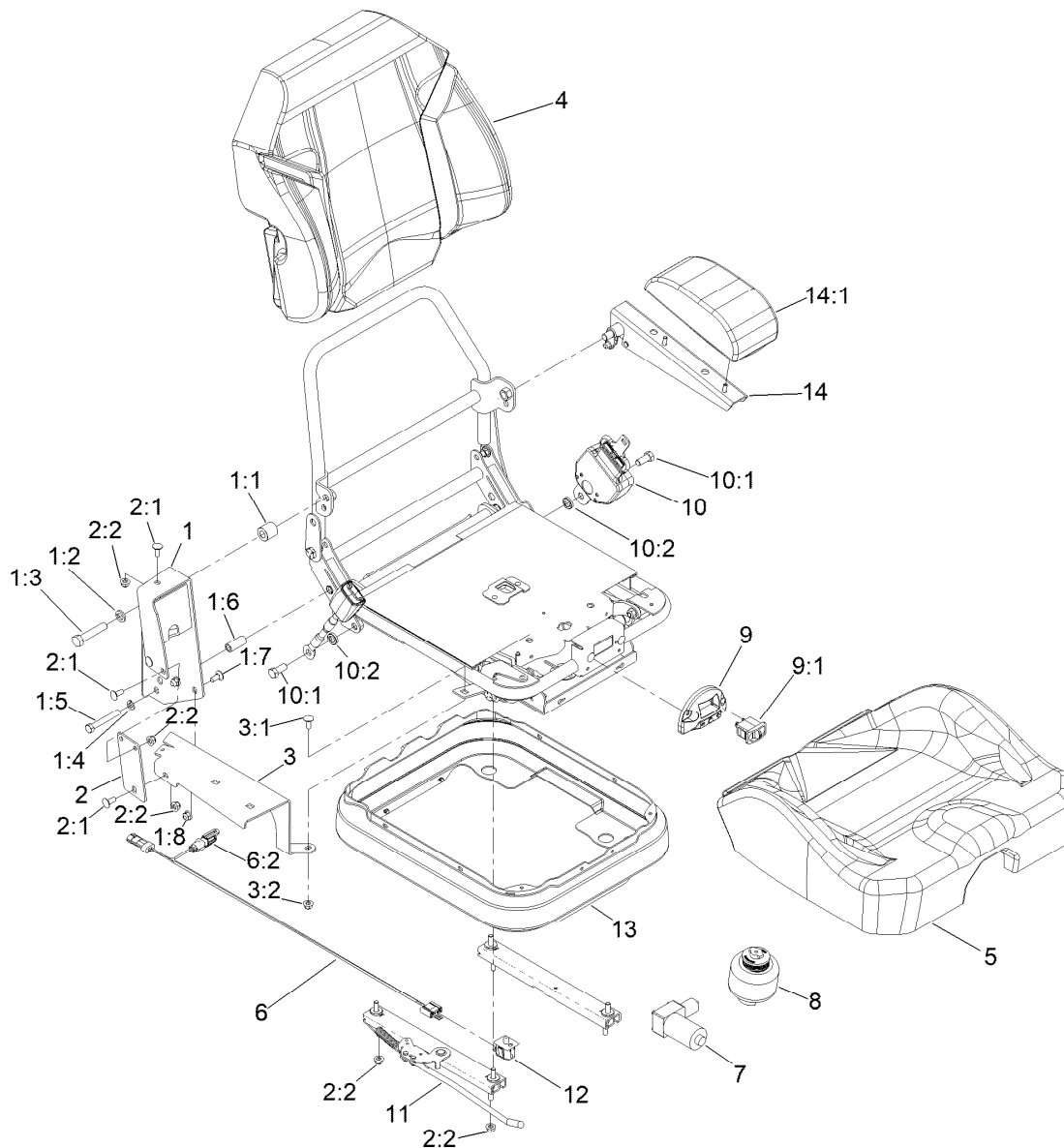
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	218-578	4	Fuse-Blade, 10 Amp
9	109355	3	Fuse-Blade, 15 Amp
13	32180-019	2	Cover-Fuse, Single
14	32180-101	1	Cover-Fuse, Single
16	108-9493	1	Diode-Tvs
17	32180-089	1	Cap-Plug, 3 Way
18	32180-043	1	Resistor-120 Ohm

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
19	32180-156	2	Cap-Plug, 6 Way
20	104-4022	1	Resistor-75 Ohm
23	32160-359	1	Connector (6M)
27	100-4918	2	Diode
28	121-8866	1	Fuse-Mini Blade, 10 Amp
32	32180-056	2	Cap
37	109101	1	Fuse-Blade, 20 Amp



Seat, Firewall and Step Mount Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	161-0807	1	Seat ASM-Air Ride	11	144-0525	1	Kit-Foam, Sound Reduction
2	139-2035-03	1	Firewall-Upper	11:1	140-6891	1	Panel-Firewall, Sound
3	139-2039	1	Seal-Foam, Firewall	11:2	140-6892	1	Panel-Firewall, Sound
4	139-2040	2	Seal-Foam, Side	11:3	140-6893	1	Tile-Firewall, Sound
7	139-2030-03	1	Mount-Step	11:4	140-6896	1	Floor-Pad
8	3296-51	2	Nut-Lock, NI	11:5	140-6724	1	Pad-Seat Base, Sound
9	328-7	2	Screw-HH	11:6	140-6725	1	Pad-Seat Base, Sound
10	144-4028	1	Kit-Foam, Sound Reduction	12	144-0526	1	Kit-Foam, Sound Reduction
10:1	144-3640	1	Steer-Plug Front	12:1	140-6897	4	Plug-ROPS
10:2	144-3224	1	Steer-Plug	12:2	140-6898	1	Brake-Plug
10:3	144-3639	1	Steer-Plug Right	12:3	140-6899	1	Brake-Plug
10:4	144-3227	3	Steering-Pad	12:4	144-3221	1	Brake-Plug
10:5	144-3228	1	Steering-Pad	12:5	144-3222	1	Brake-Plug
10:6	144-3638	1	Steer-Plug Left	13	144-0527	1	Kit-Foam, Sound Reduction
10:7	144-3641	2	Steer-Plug	13:1	144-3233	1	Floor-Pad, Center
10:8	144-3637	1	Steer-Plug Bottom	13:2	144-3234	1	Floor-Pad, Corner



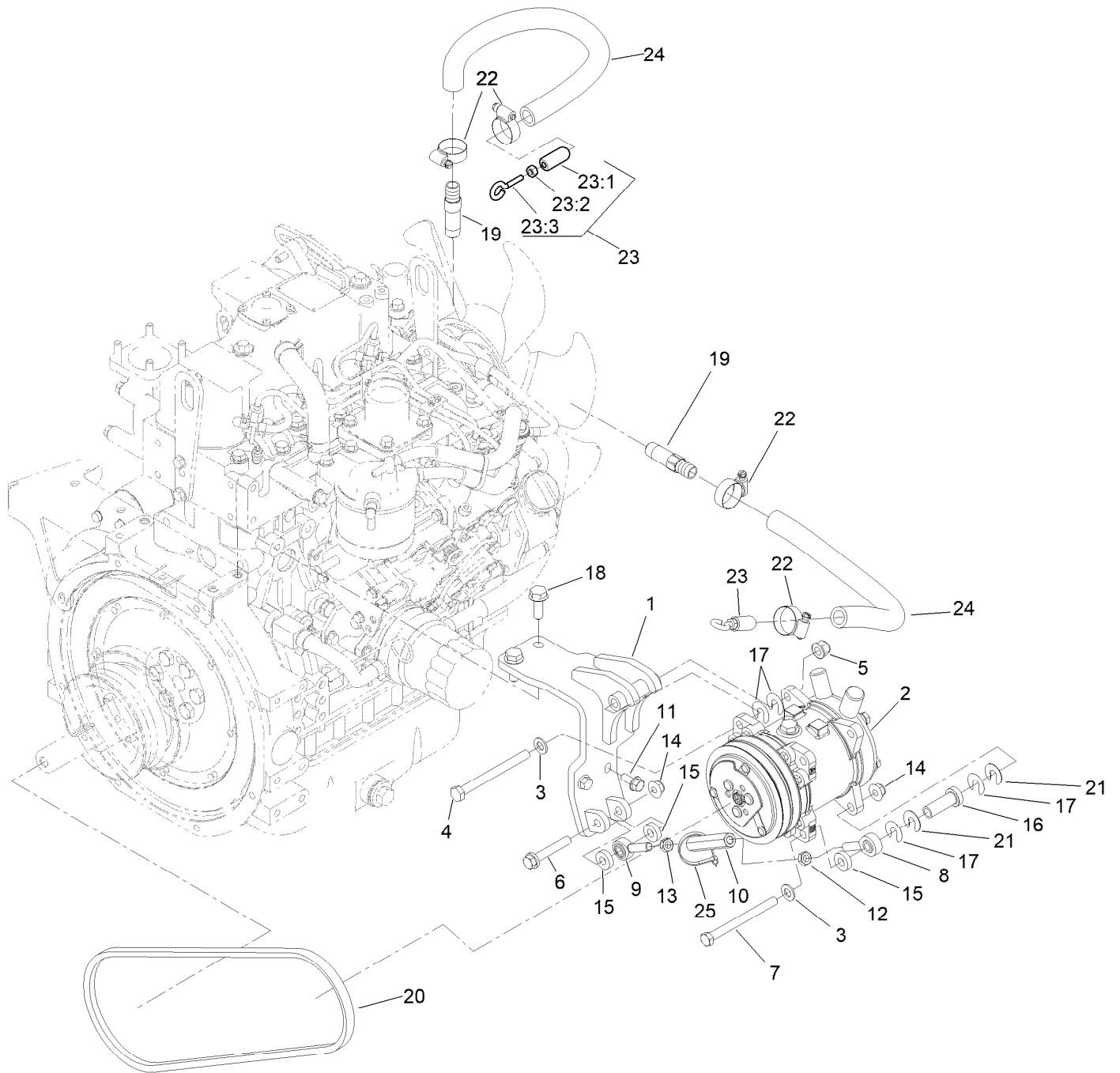
Air Ride Suspension Seat Assembly No. 161-0807

Ref.	Part Number	Qty.	Description
1	140-7112	1	Upper Console Mount Kit
1:1	140-7113	1	Spacer
1:2	3253-7	1	Washer-Lock
1:3	325-10	1	Screw-HH
1:4	3253-21	1	Washer-Lock
1:5	323-13	1	Screw-HH
1:6	140-7114	1	Spacer
1:7	3230-23	2	Bolt-CARR
1:8	104-8300	2	Nut-HF, NI
2	140-7103	1	Bracket Kit
2:1	3230-23	4	Bolt-CARR
2:2	104-8300	8	Nut-HF, NI
3	140-7115	1	Lower Console Mount Kit
3:1	3230-23	1	Bolt-CARR
3:2	104-8300	1	Nut-HF, NI
4	125-3112	1	Cover-Back

Ref.	Part Number	Qty.	Description
5	125-3111	1	Cover-Cushion
6	122-2735	1	Harness-Wire, Seat
6:2	32180-091	1	Cap-Dust, 2 Way
7	140-7120	1	Air Compressor Kit
8	140-7121	1	Air Bag Kit
9	140-7122	1	Air Valve Kit
9:1	126-2747	1	Valve-Air Adjust
10	140-7116	1	Seat Belt Kit
10:1	3212-4	2	Screw-HH
10:2	140-7108	2	Spacer
11	144-0458	1	Track Kit
12	145-3520	1	Switch-Plunger, On-(On)
13	126-8559	1	Bellows-Seat
14	140-7110	1	Armrest-Deluxe, With Pad
14:1	140-7111	1	Pad-Armrest
99	140-7119	1	Harness-Air Ride ●

● Not illustrated

Compressor and Belt Assembly

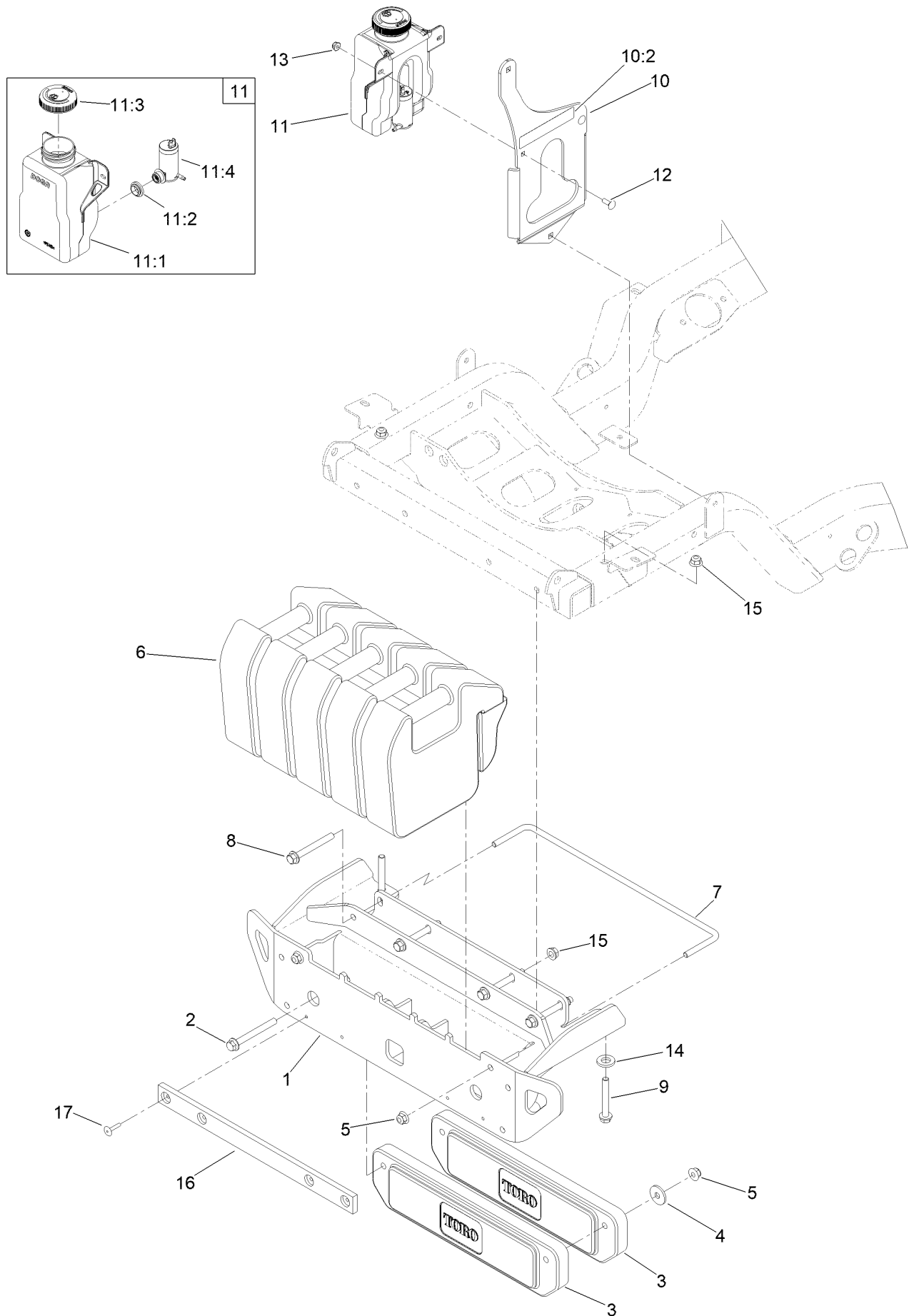


Compressor and Belt Assembly (continued)

<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	138-7435-0P	1	Bracket-Compressor Mount	15	5-0652	3	Spacer
2	119-0103	1	Compressor	16	139-0873	1	Spacer
3	33095-00	2	Washer-Flat	17	119-7734	10	Shim
4	33115-110	1	Screw-HH	18	33105-030	2	Screw-HHF
5	103-9511	1	Nut-Flg	19	139-2236	2	Fitting-STR Spcl
6	100-2592	1	Screw-HHF	20	106-4498	1	Belt-V
7	119-0723	1	Screw-HH, Lock	21	139-6205	4	Shim
8	1-613204	1	Balljoint	22	2412-119	4	Clamp-Hose
9	125-4389	1	Bearing-End, Rod	23		2	Plug-Hose, ASM ●
10	136-7390	1	Turnbuckle	23:1	139-1904	1	Plug-Hose
11	33104-020	2	Screw-HHF	23:2	3217-5	1	Nut-Hex
12	3220-3	1	Nut-HJ	23:3	71-2870	1	Bolt-Eye
13	3220-16	1	Nut-Hex Jam, LH	24	140-6560	2	Hose-Heater, 5/8
14	104-8301	2	Nut-HF, NI	25	3290-378	1	Tie-Cable

● Not serviced separately

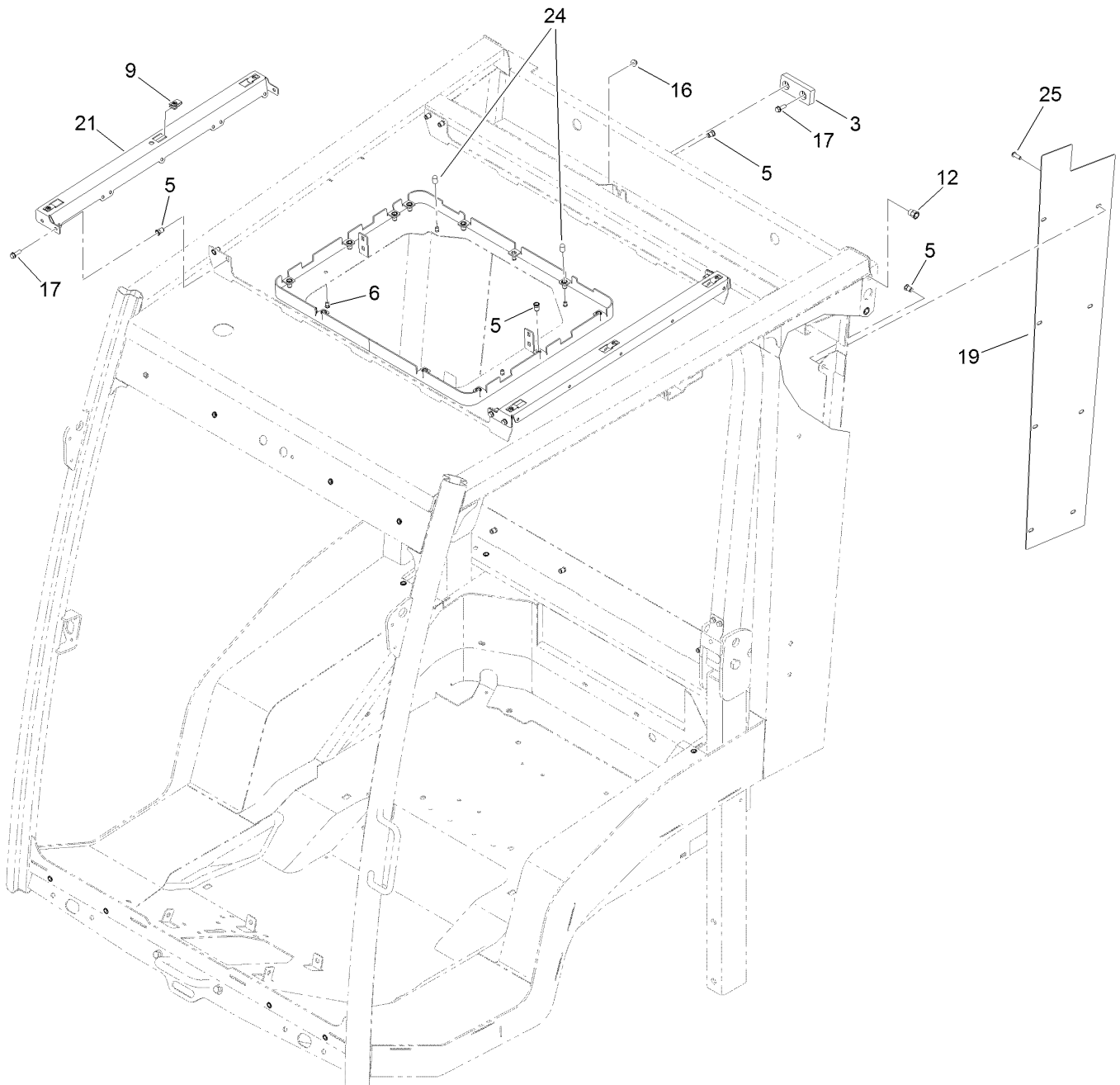
Bumper and Weight Assembly



Bumper and Weight 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	145-5981SP	1	Bumper-Rear Wa	11	140-6665	1	Tank-Fluid, Washer (1.1L)
2	116-4701	2	Screw-HHF	11:1	140-6666	1	Tank
3	112-7059-01	2	Weight-Cast	11:2	140-6667	1	Grommet
4	125-9676	2	Washer-Backup	11:3	140-6669	1	Cap-Washer
5	104-8301	4	Nut-HF, NI	11:4	140-6668	1	Pump-Washer
6	114-4096	5	Weight	12	3229-1	2	Screw-CARR
7	125-2667	1	Lock-Weight	13	104-7201	2	Nut-HF, NI
8	3234-41	4	Screw-HHF	14	3256-24	2	Washer-Plain
9	139-2429	2	Screw-HHF	15	32128-43	6	Nut-Flange
10	144-3252	1	Mount-Washer	16	144-4014	1	Bumper-Rubber
10:2	93-7272	1	Decal-Warning	17	3269-11	4	Rivet-Pop

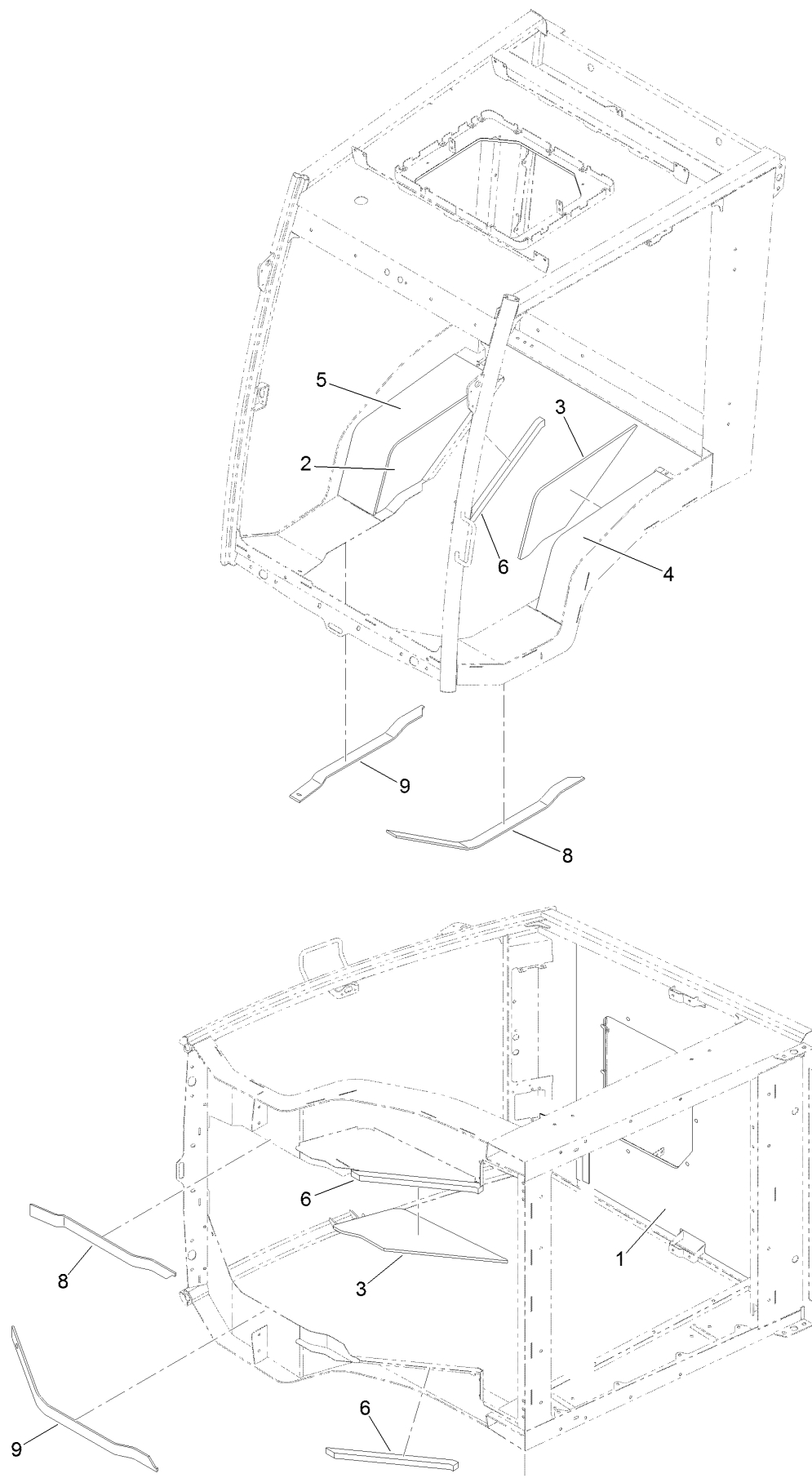
Frame, Mount and Seals Assembly



Frame, Mount and Seals 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	86-5350	4	Bumper-Rubber	17	32105-15	16	Screw-HWH
5	138-2760	69	Nut-Clinch, Hex	19	137-1167-03	2	Cover-Post, Rear
6	137-1225	8	Nut-Clinch,Hex	21	139-2158-03	2	Bracket-Mount, Roof
9	107069	6	Clip	24	139-2180	2	Plug-Cap, Plastic
12	138-2899	4	Nut-Clinch	25	32105-15	16	Screw-HWH
16	104-7201	8	Nut-HF, NI				

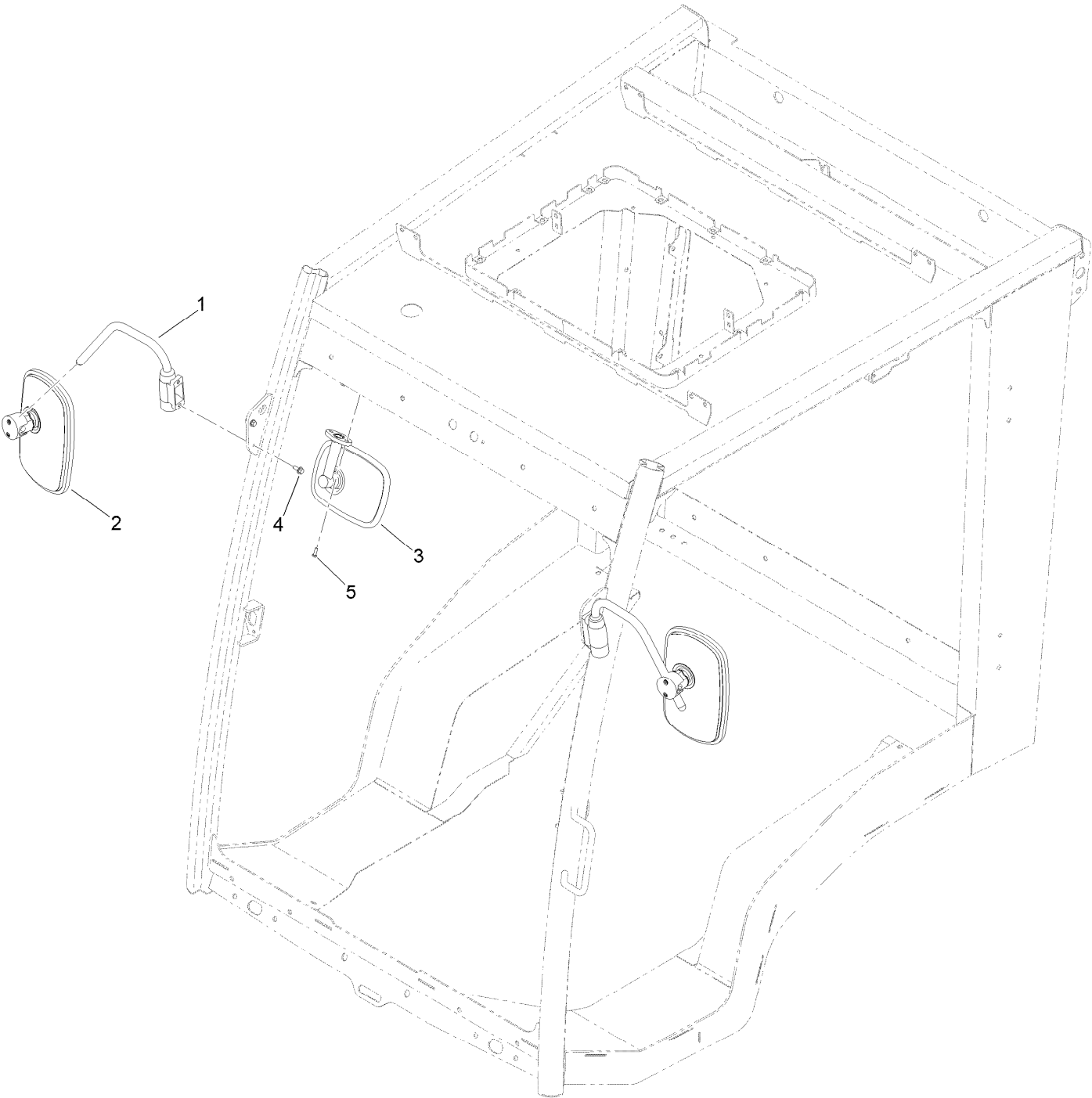
Interior Foam and Carpet Assembly



Interior Foam and Carpet 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	163-0343	1	Foam-Interior, Roof	5	163-0342	1	Carpet-Interior, Tank RH
2	163-0340	1	Carpet-Interior, Side RH	6	139-2003	2	Seal-Foam, Side
3	163-0339	1	Carpet-Interior, Side LH	8	139-2004	1	Seal-Foam, LH
4	163-0341	1	Carpet-Interior, Tank LH	9	139-2005	1	Seal-Foam, RH

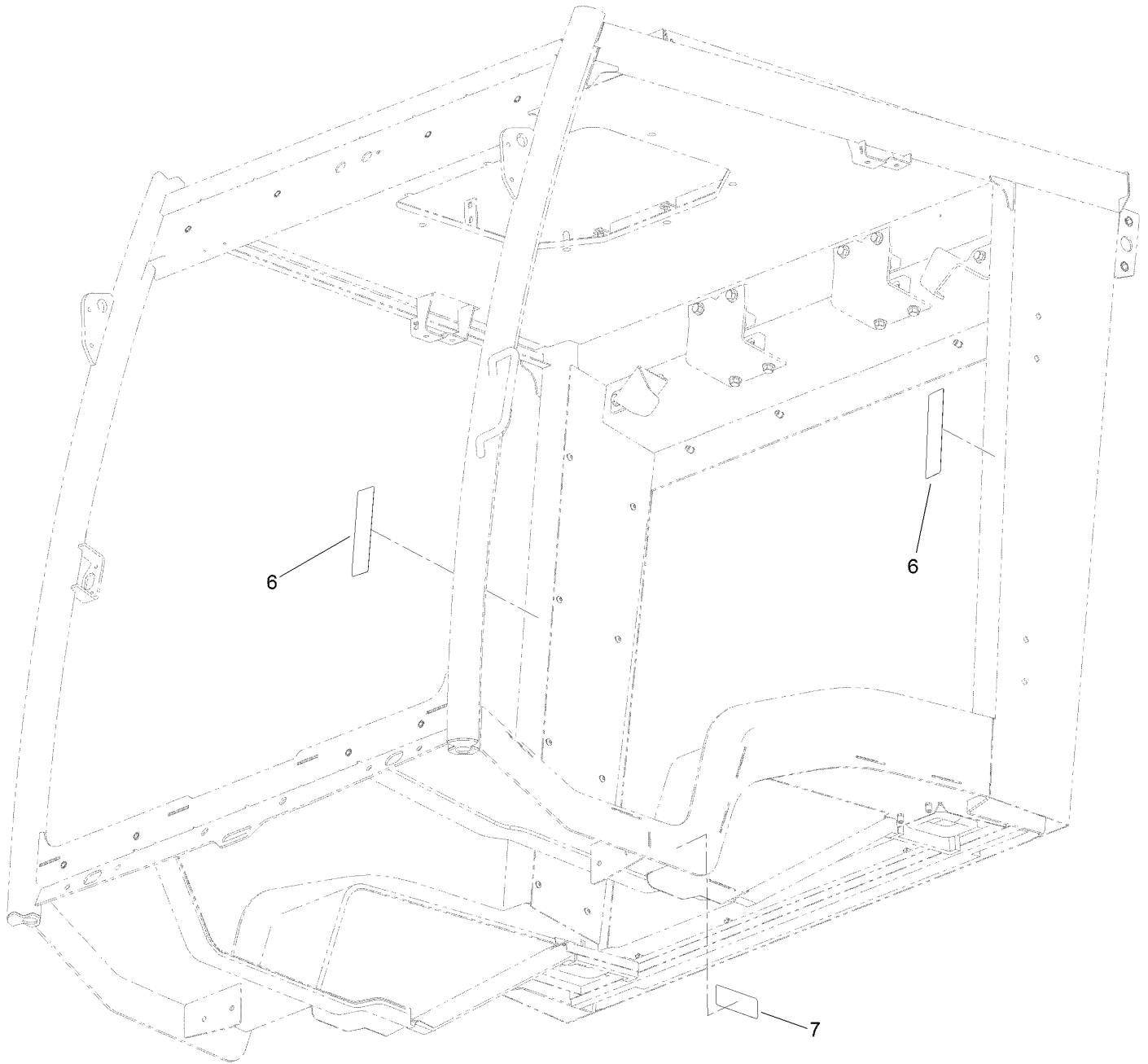
Cab Mirrors Assembly



Cab Mirrors 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	121-8275	2	Arm-Mirror, Side	4	33103-016	4	Screw-HHF
2	121-8341	2	Side Mirror ASM	5	32144-32	2	Screw-PPH
3	121-8343	1	Interior Mirror ASM				

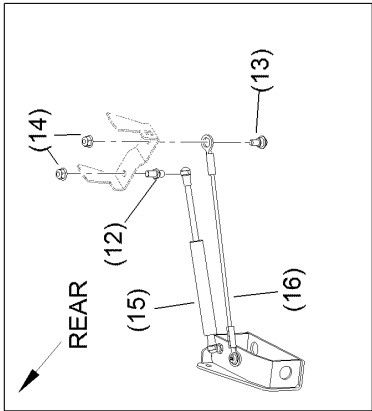
Decal Assembly



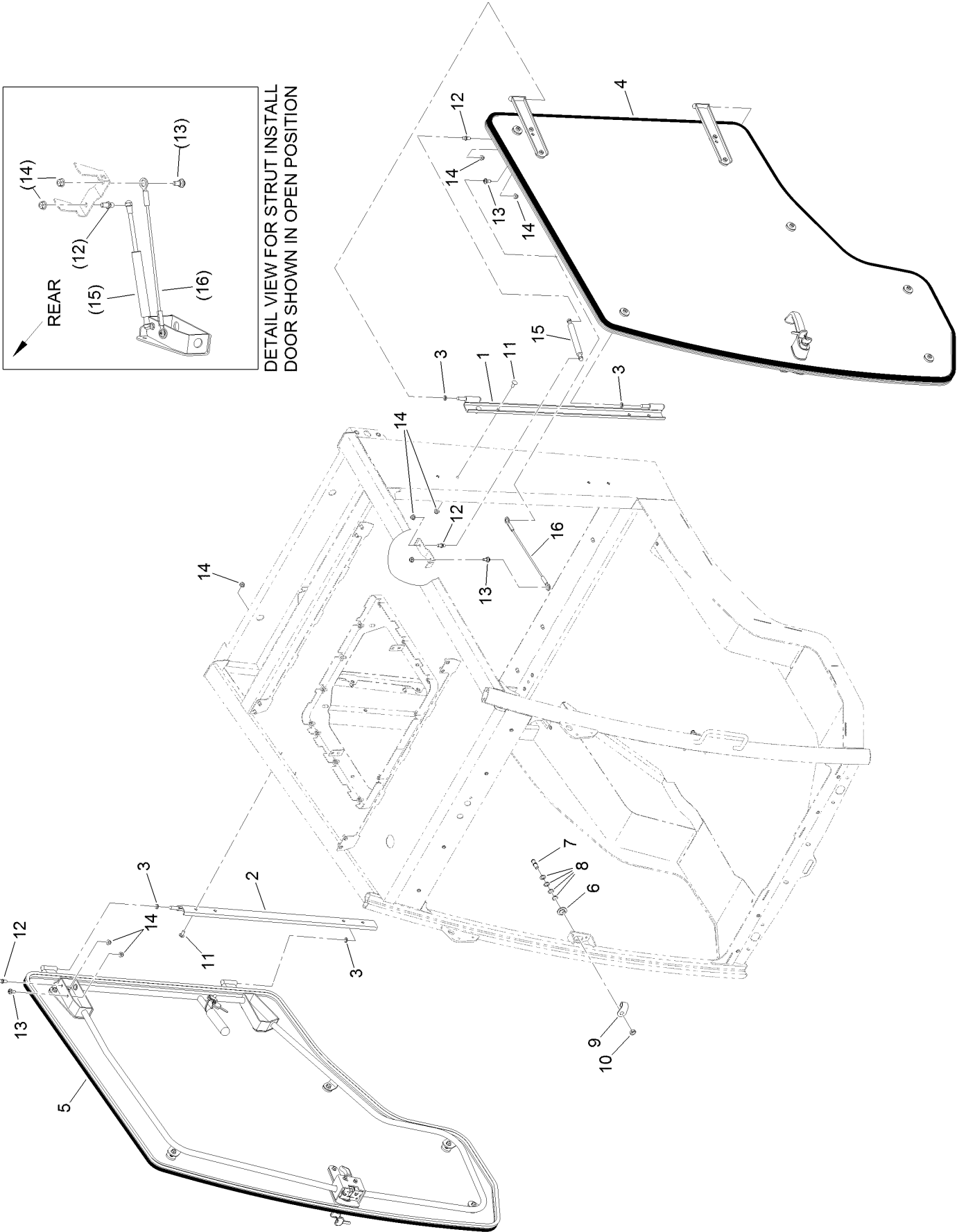
Decal Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6	130-0594	2	Decal-Warning
7	106-9206	2	Decal-Torque, Wheel

Door Assembly



DETAIL VIEW FOR STRUT INSTALL
DOOR SHOWN IN OPEN POSITION

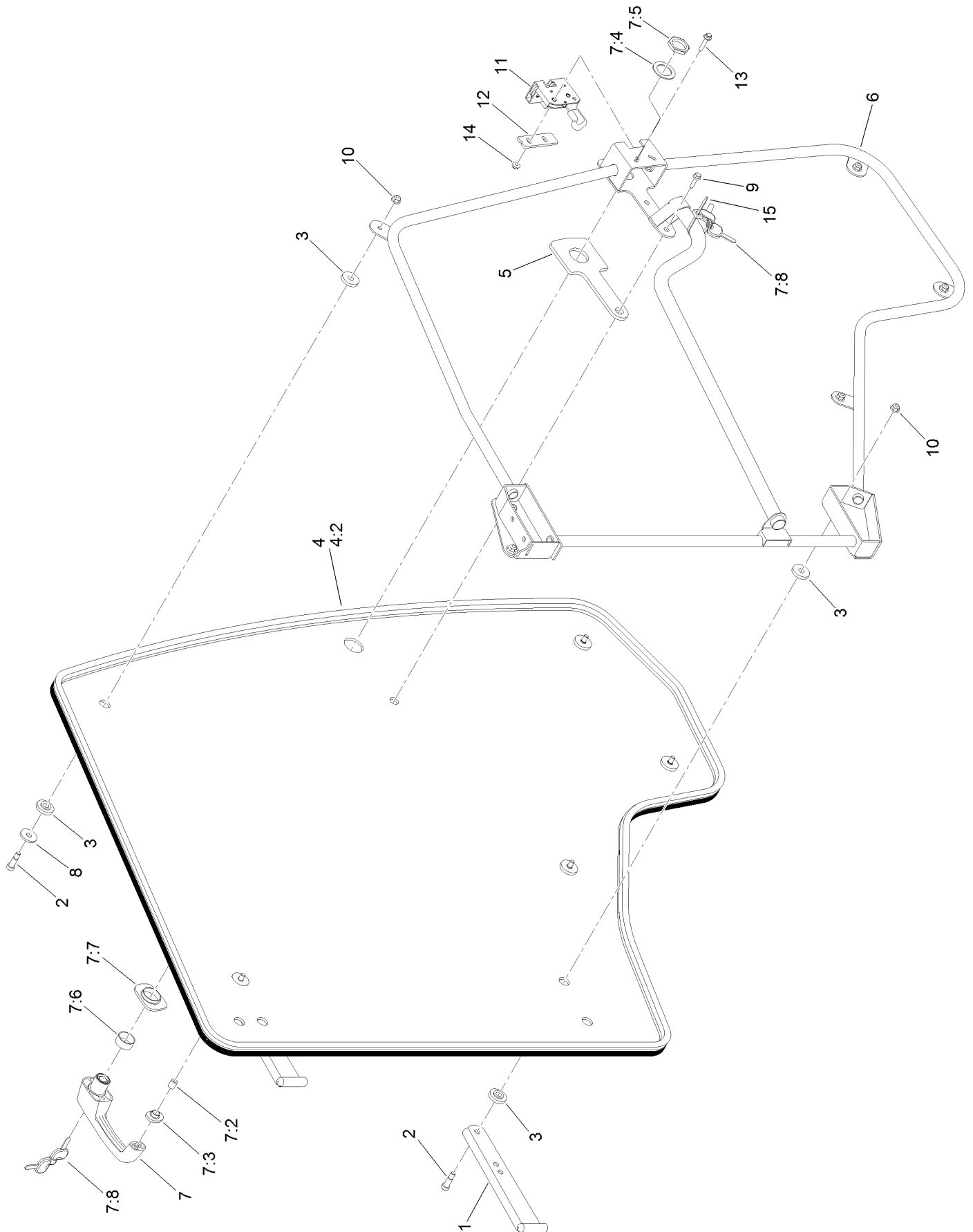


Door Assembly (continued)

<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	138-2944-03	1	Mount-Door, LH	9	121-8393	2	Guard-Striker
2	138-2945-03	1	Mount-Door, RH	10	140-4431	2	Nut-Hex, Jam
3	121-8441	4	Washer-Spacer	11	3230-23	8	Bolt-CARR
4		1	LH Door ASM ●	12	98-3104	4	Stud-Ball
5		1	RH Door ASM ●	13	120-9471	4	Bolt-Shoulder
6	125-9992	2	Adjuster-Stud	14	104-8300	16	Nut-HF, NI
7	140-4422	2	Striker-Stud	15	144-3517	2	Spring-Gas, Door
8	73-0040	8	Washer-Thrust	16	140-1636	2	Lanyard-Coated

● Not serviced separately

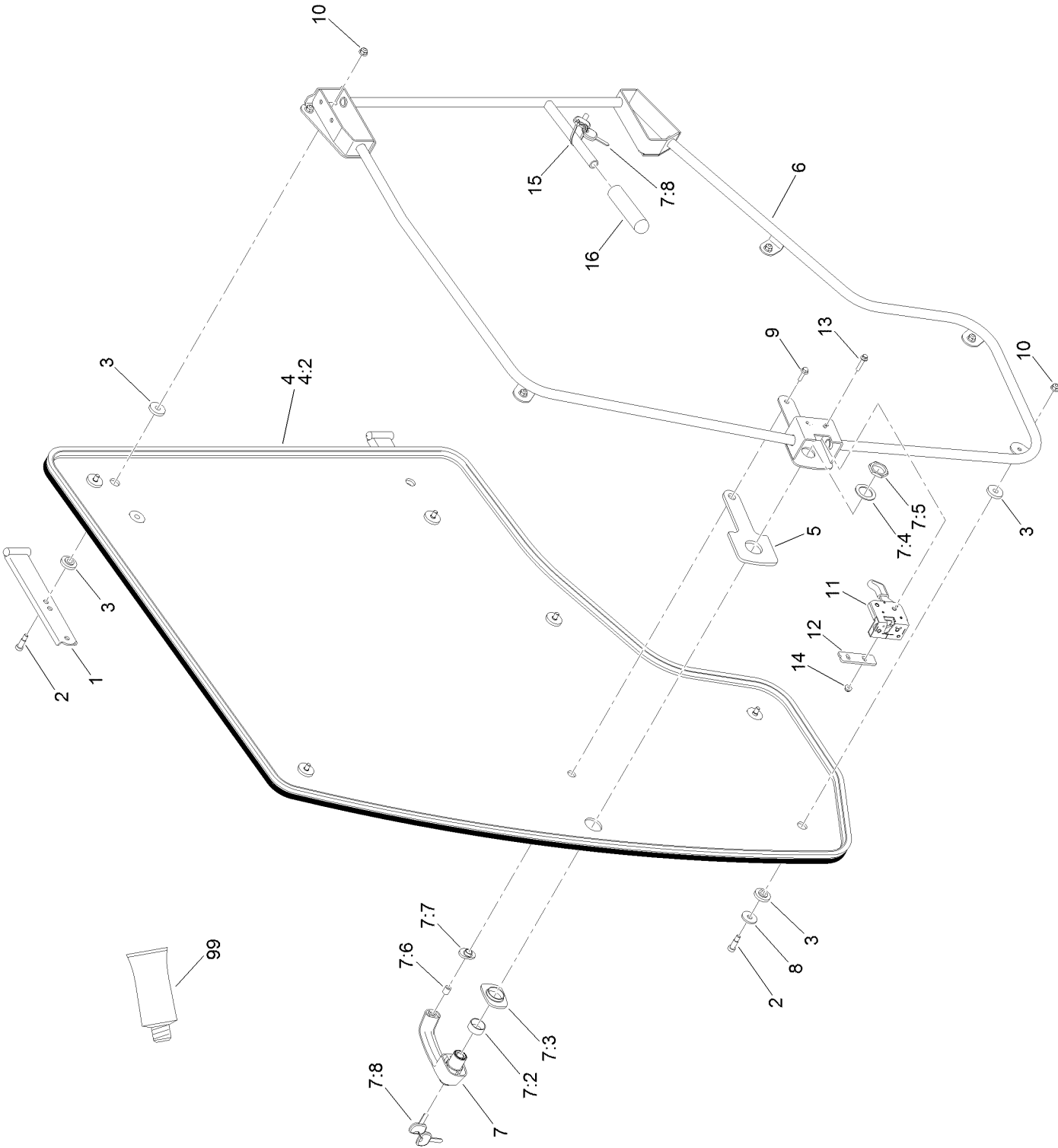
LH Door Assembly



LH Door 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	132-3622-03	2	Hinge-Door, LH	7:6	121-8627	1	Cylinder-Mounting, End
2	125-9520	9	Screw-Shoulder, HSH	7:7	121-8323	1	Grommet-Mounting, Small
3	125-9982	18	Bushing-Flange	7:8	125-9531	1	Key-Set
4	137-1207	1	LH Glass Door ASM	8	125-9676	5	Washer-Backup
4:2	137-1205	1	Trim-Seal, Door	9	33103-025	1	Screw-HHF
5	121-8331	1	Gasket-Handle	10	104-8300	9	Nut-HF, NI
6	140-6552-03	1	Frame-Door, LH	11	121-8391	1	Latch-LH
7	121-8630	1	Handle ASM	12	121-8395	1	Plate-Support, Latch
7:2	121-8628	1	Cylinder-Mounting, Key	13	3234-21	2	Screw-HHF
7:3	121-8322	1	Grommet-Mounting, Large	14	104-7201	2	Nut-HF, NI
7:4	121-8327	1	Washer	15	3290-378	1	Tie-Cable
7:5	121-8328	1	Nut				

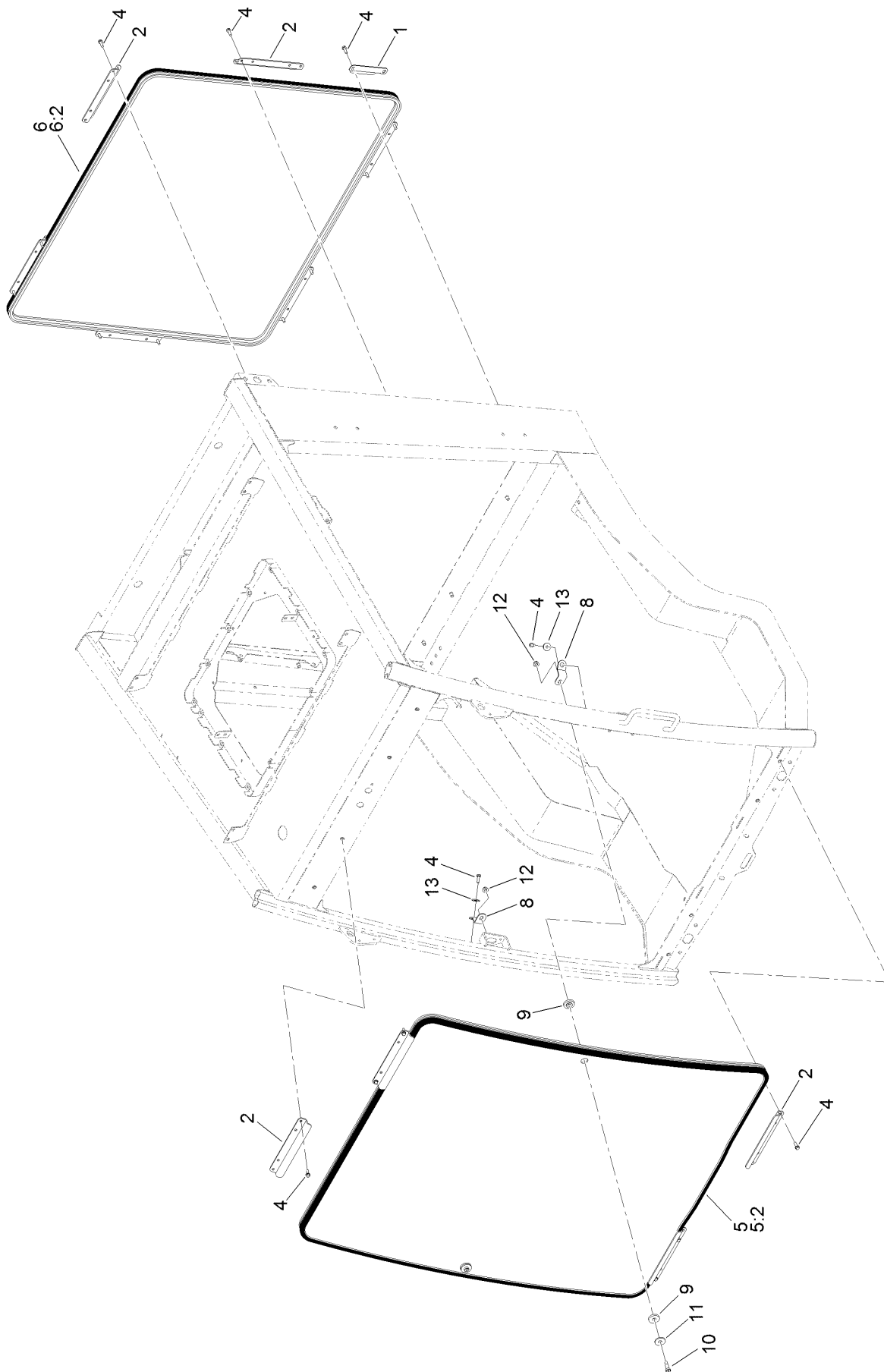
RH Door Assembly



RH Door 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	132-3636-03	2	Hinge-Door, RH	7:7	121-8323	1	Grommet-Mounting, Small
2	125-9520	9	Screw-Shoulder, HSH	7:8	125-9531	1	Key-Set
3	125-9982	18	Bushing-Flange	8	125-9676	5	Washer-Backup
4	137-1208	1	RH Glass Door ASM	9	33103-025	1	Screw-HHF
4:2	137-1205	1	Trim-Seal, Door	10	104-8300	9	Nut-HF, NI
5	121-8331	1	Gasket-Handle	11	121-8390	1	Latch-RH
6	140-6553-03	1	Frame-Door, RH	12	121-8395	1	Plate-Support, Latch
7	121-8630	1	Handle ASM	13	3234-21	2	Screw-HHF
7:2	121-8628	1	Cylinder-Mounting, Key	14	104-7201	2	Nut-HF, NI
7:3	121-8322	1	Grommet-Mounting, Large	15	3290-378	1	Tie-Cable
7:4	121-8327	1	Washer	16	110-1037	1	Grip-Handle
7:5	121-8328	1	Nut	99	505-42	1	Adhesive-Loctite
7:6	121-8627	1	Cylinder-Mounting, End				

Front and Rear Glass Assembly

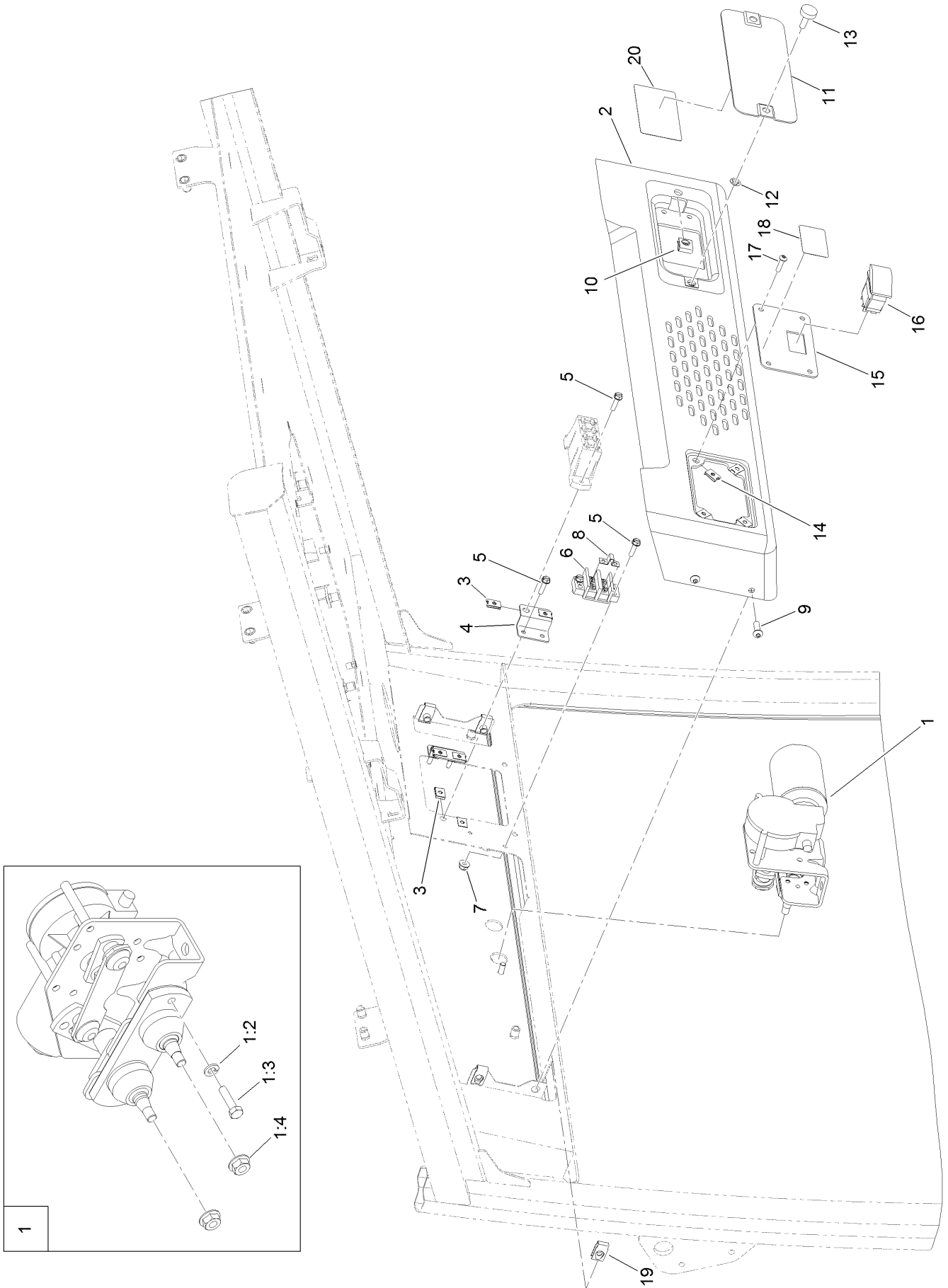


Front and Rear Glass Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-6575-03	2	Bracket-Cover
2	139-2313-03	10	Bracket-Retainer
4	32105-15	26	Screw-HWH
5	137-1209	1	Glass Windshield ASM
5:2	139-2263	1	Trim-Seal, Windshield
6	139-1971	1	Rear Window ASM
6:2	138-2895	1	Trim-Glass.Rear

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	140-4432	2	Bracket-Mount, Window
9	125-9982	4	Bushing-Flange
10	125-9520	2	Screw-Shoulder, HSH
11	125-9676	2	Washer-Backup
12	104-8300	2	Nut-HF, NI
13	3256-67	2	Washer

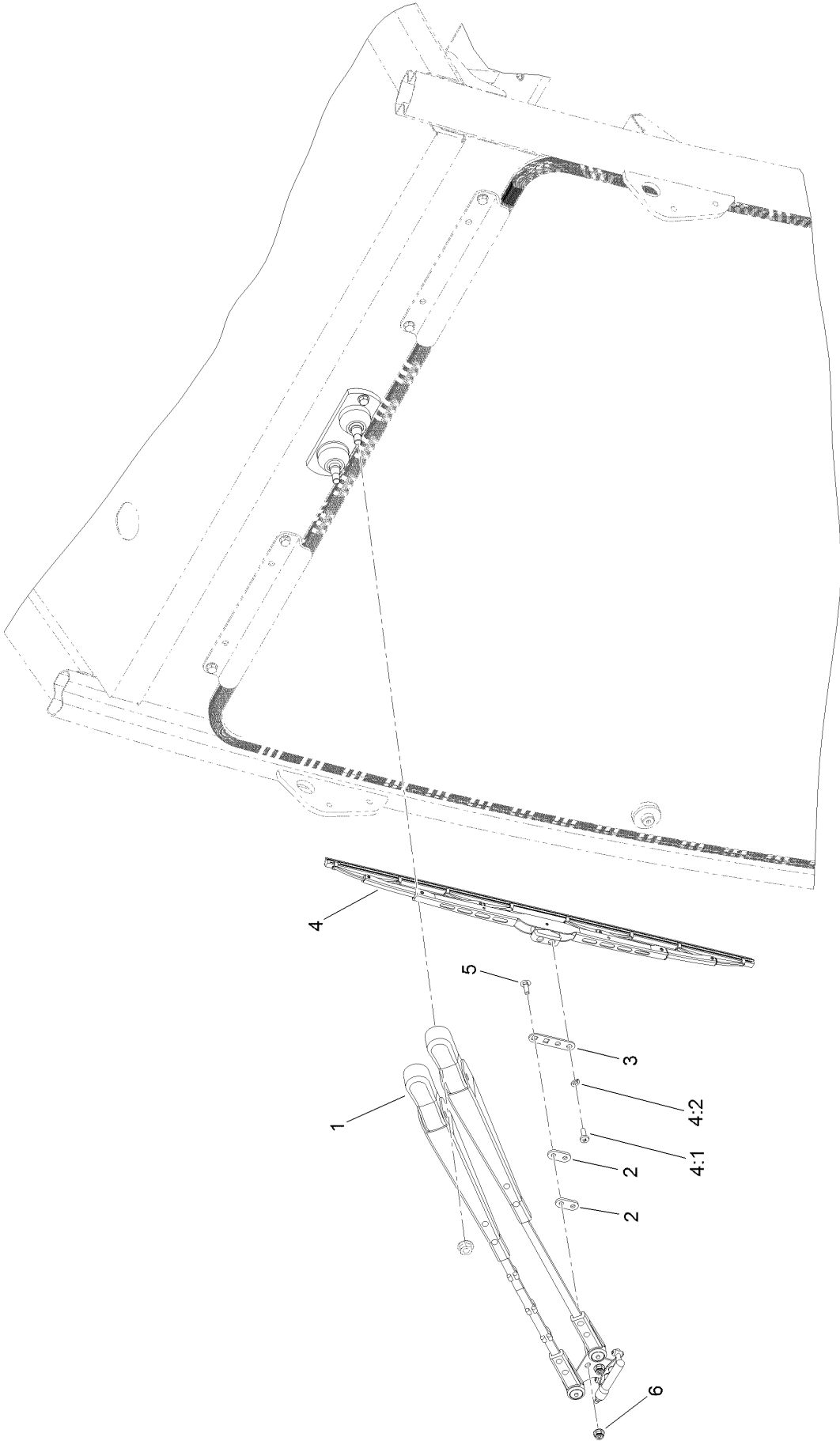
Window Wiper System Assembly



Window Wiper System 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	125-7452	1	Wiper Motor ASM	10	609900	2	Nut-Speed
1:2	3253-3	1	Washer-Lock	11	125-9603-03	1	Plate-Cover, Fuse
1:3	33113-025	1	Screw-HH	12	32115-15	4	Nut-Push
1:4	112-2844	2	Nut-HF	13	125-7438	2	Knob-Screw, Thumb
2	138-2764	1	Cover-Wiper	14	701493	4	Nut-Speed
3	107-1013	6	Nut-Speed	15	139-2048-03	1	Plate-Mount, Switch
4	138-2822	2	Bracket-Fuse Block	16	119-8355	1	Switch-Rocker
5	32105-13	8	Screw-HWH	17	104-2408	4	Screw-HSBH
6	42862	1	Block-Terminal, Ground	18	125-9688	1	Decal-Washer
7	120-4578	2	Nut-HF	19	107069	4	Clip
8	42863	1	Strip-Jumper	20	140-6632	1	Decal-Fuse Panel
9	3274-69	4	Screw-HSBH				

Window Wiper Assembly

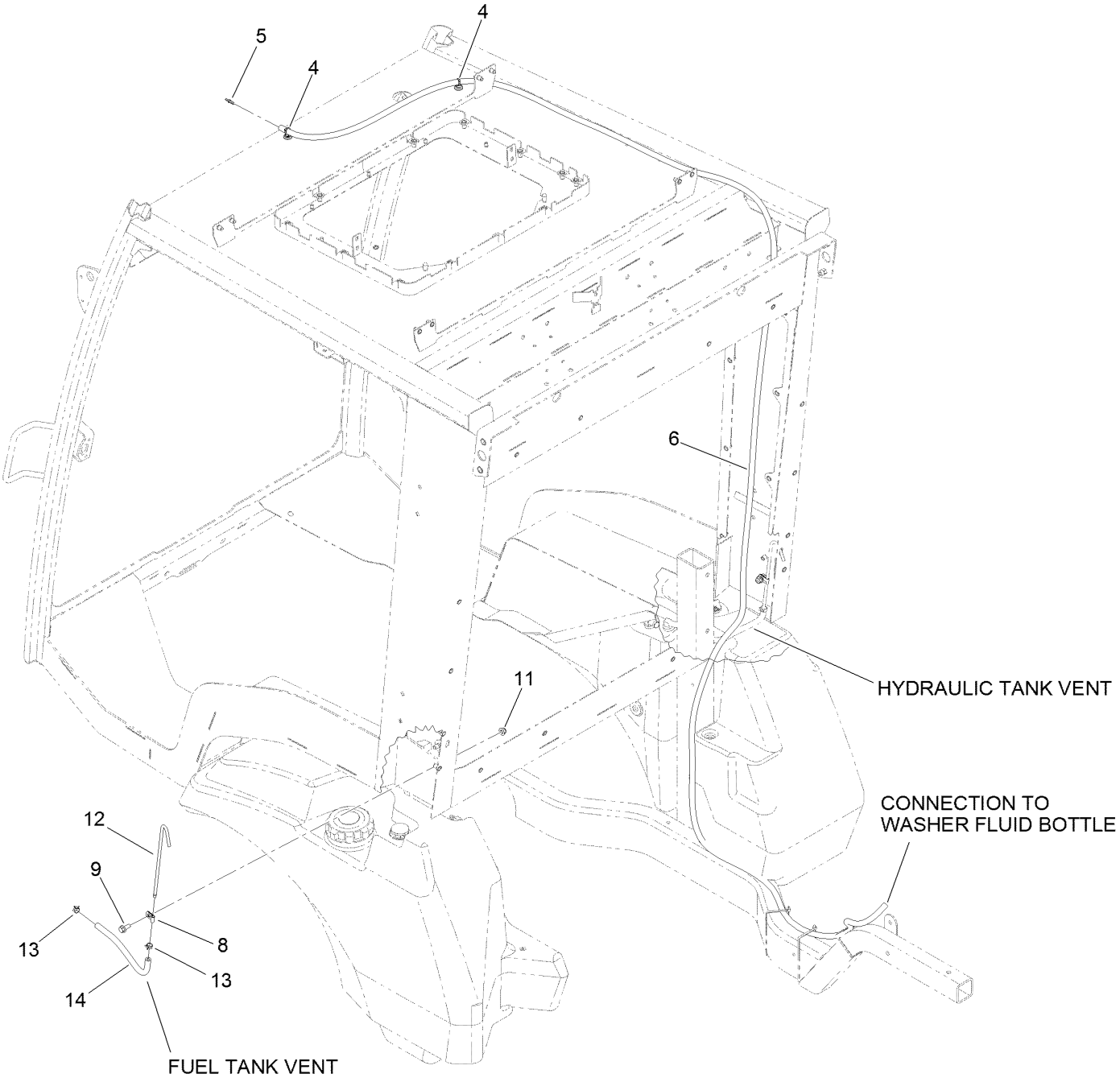


Window Wiper Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-1114	1	Arm-Wiper
2	139-2250	2	Mount-Wiper, Spacer
3	140-6556	1	Mount-Wiper
4	137-1127	1	Blade-Wiper

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4:1	47-2830	2	Screw
4:2	43-5920	2	Washer-Lock, Spring
5	3229-20	2	Screw-CARR
6	138-0719	2	Nut-HF

Window Wiper Hose Assembly

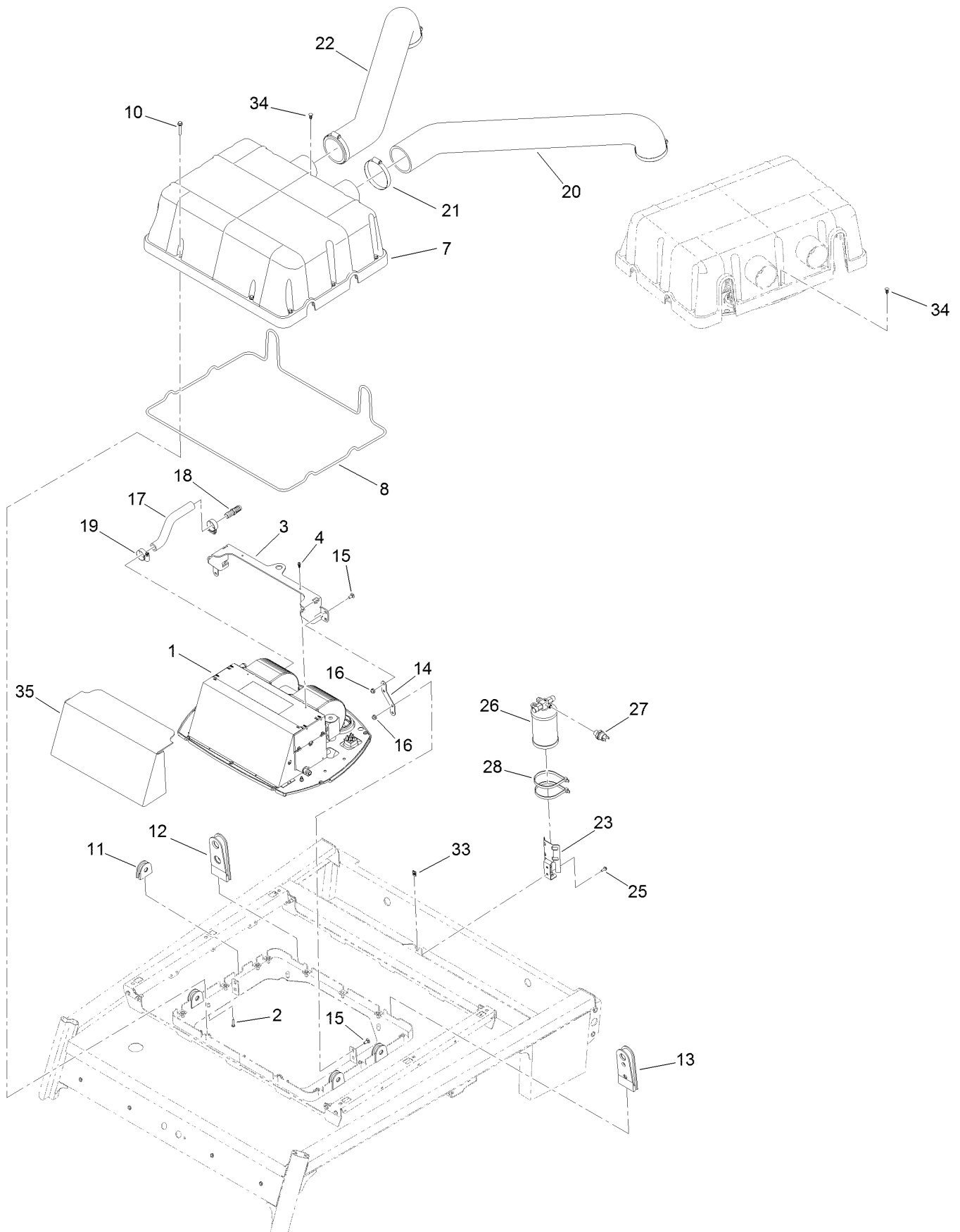


Window Wiper Hose Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	32180-139	2	Mount-Tie Wrap, Magnetic
5	127-9905	1	Fitting-Hose, Barb
6	139-2175	1	Hose-Washer Fluid
8	2412-103	2	Clamp
9	3234-47	2	Screw-HHF

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
11	104-8300	2	Nut-HF, NI
12	139-6252	2	Tube-Vent
13	2412-98	2	Clamp-Hose
14	139-6253	2	Hose-Fuel

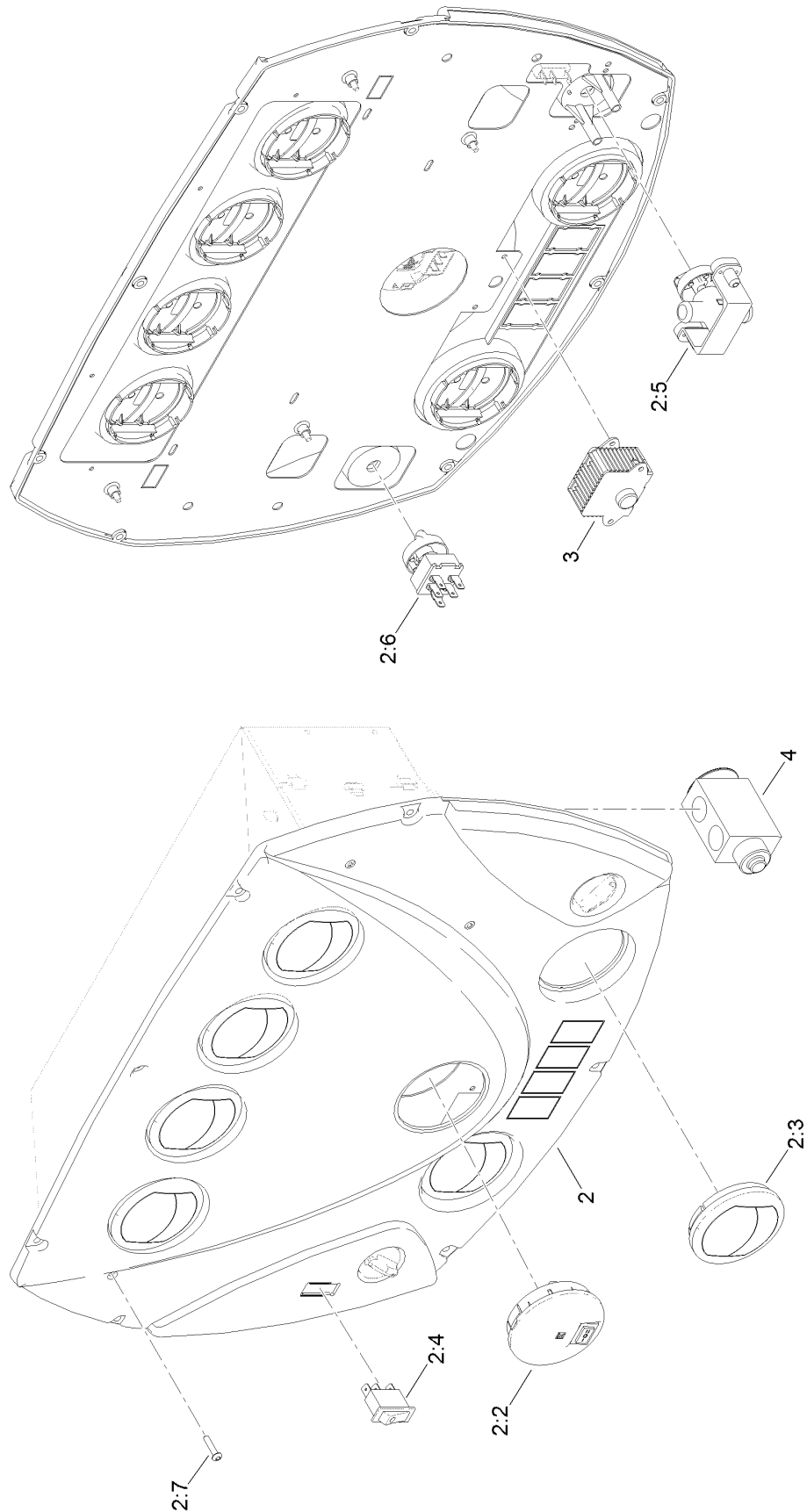
Heater Assembly



Heater 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	139-2308	1	AC/Heat ASM	18	131-3373	1	Fitting-STR
2	3250-27	8	Screw-PPH	19	2412-129	2	Clamp-Hose
3	139-2317-03	1	Mount-Install	20	139-1928	1	Hose-Intake, LH
4	137-9137	6	Screw-PPH	21	2412-110	4	Clamp-Band/Screw
7	138-2827	1	Cover-A/C	22	139-1929	1	Hose-Intake, RH
8	138-2831	1	Seal-Cord, Foam	23	138-2790	1	Bracket-Mount, Drier
10	131-5927	11	Screw-HHF	25	32105-23	2	Screw
11	140-6566	4	Plug - A/C Drain Line	26	130-5999	1	Drier-Receiver
12	138-2816	1	Plug-Lines, Heat	27	119-4501	1	Switch-Function, Dual
13	140-1624	1	Plug-A/C Lines	28	3334-945	2	Tie-Cable
14	139-2316	2	Support-AC	33	701493	2	Nut-Speed
15	3229-11	8	Screw-CARR	34	114-4899	1	Rivet-Push
16	104-7201	8	Nut-HF, NI	35	140-6646	1	Insulation-AC
17	139-2177	1	Hose-Heater, Formed				

Heater Control Panel Assembly

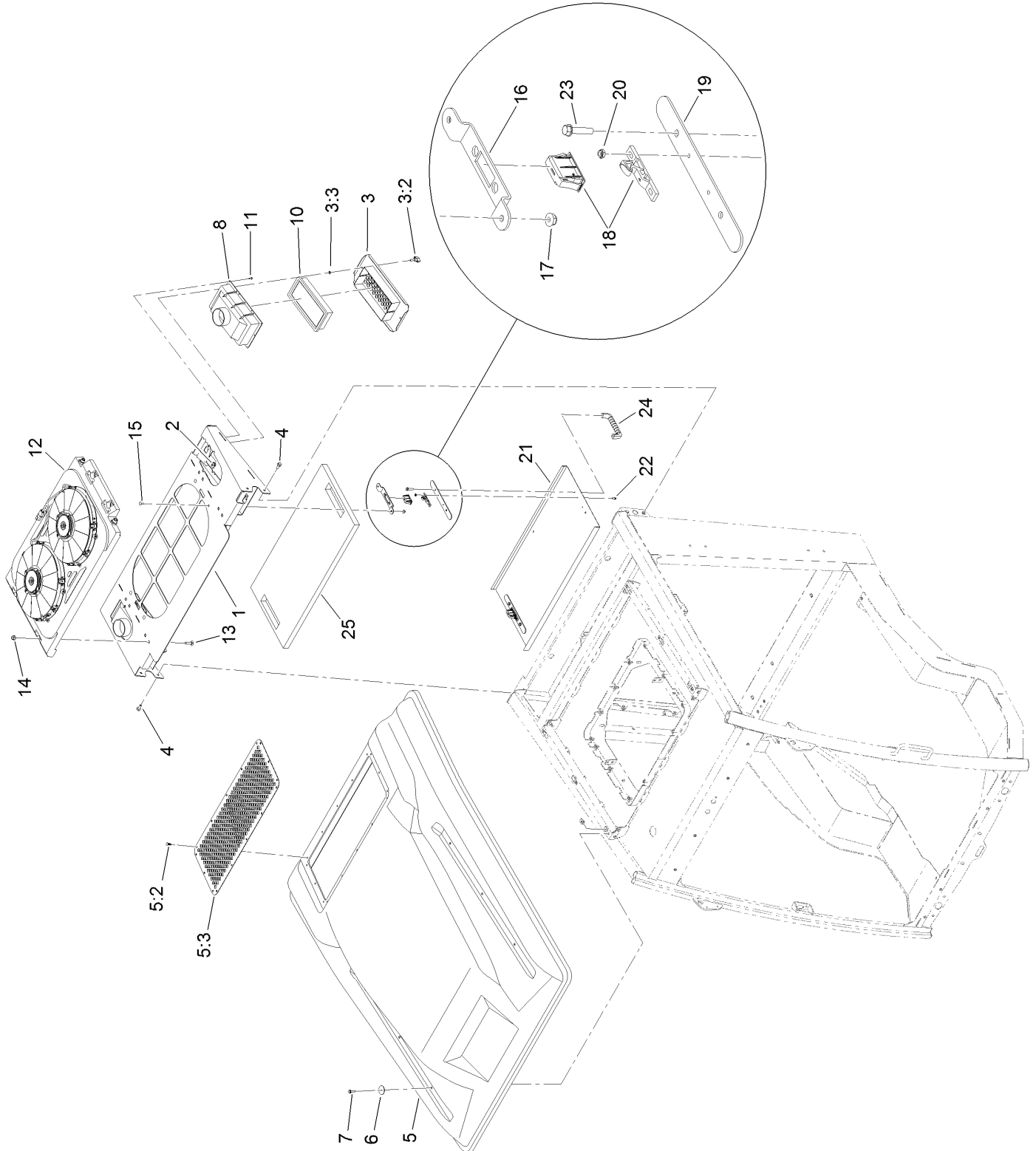


Heater Control Panel Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	137-1357	1	Heater Control Panel ASM
2:2	137-1378	1	Light-Cab, Interior
2:3	138-2959	6	Vent-Return
2:4	138-2958	1	Switch-A/C
2:5	138-2961	1	Valve-Heat

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2:6	138-2956	1	Switch-Fan
2:7	119-7444	4	Screw-HSBH
3	138-2967	1	Thermostat-Resistor
4	138-2912	1	Expansion-Valve

Roof, Air Filter and Condenser Assembly

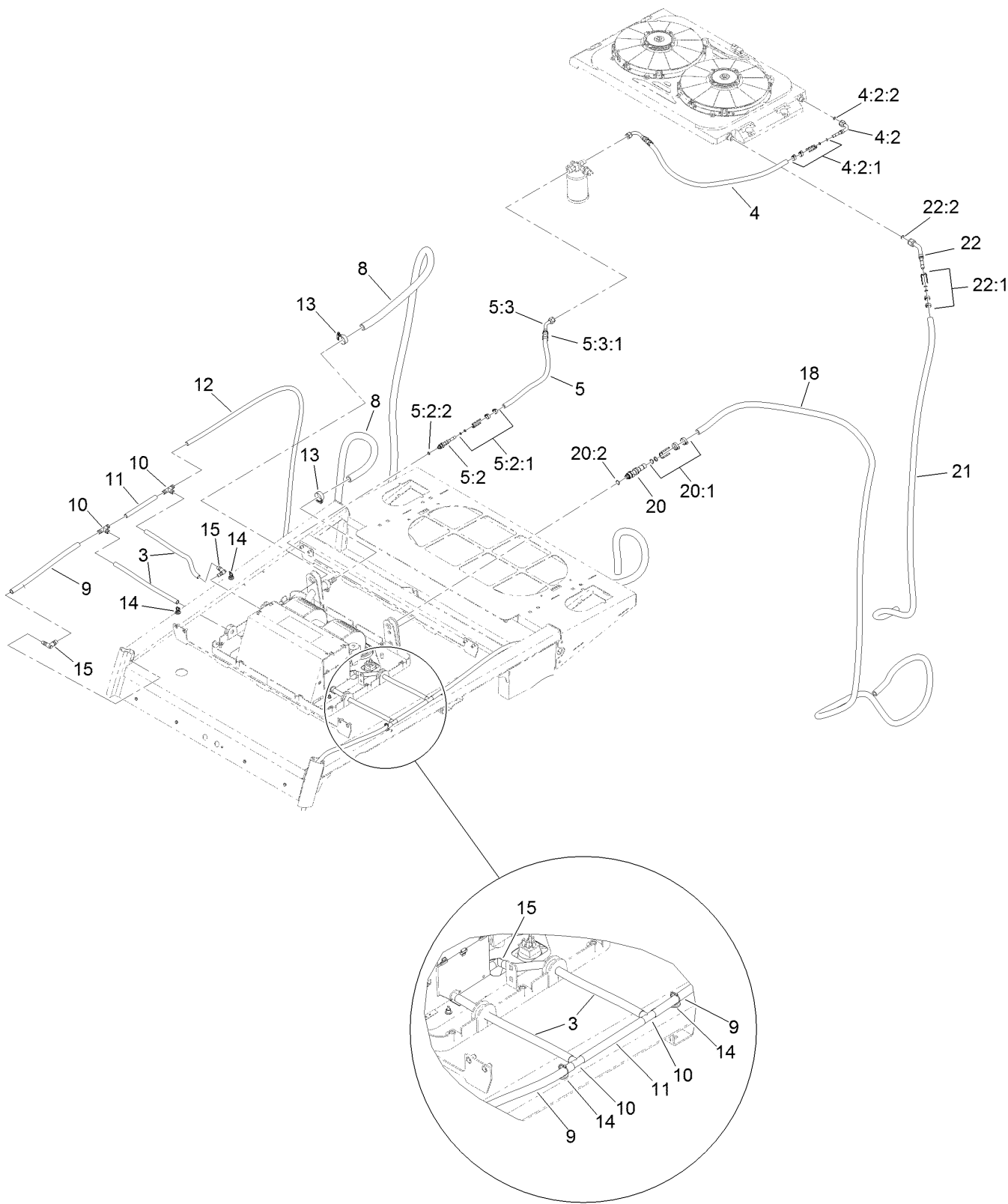


Roof, Air Filter and Condenser Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	139-1958-03	1	Wing-Rear
2	107069	4	Clip
3	137-1397	2	Filter Cover ASM
3:2	126-5846	2	Knob-T
3:3	32115-15	2	Nut-Push
4	3234-47	4	Screw-HHF
5	139-1898	1	Roof ASM
5:2	138-2714-03	1	Screen-Roof
5:3	114-4899	16	Rivet-Push
6	136-7176	6	Washer-Fender
7	120-4654	6	Screw-HHF
8	137-1281	2	Box-Intake, Air
10	121-8457	2	Filter-Air
11	3290-55	20	Rivet-Pop

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
12	138-2907	1	Condenser
13	3231-28	4	Screw-CARR
14	104-8301	4	Nut-HF, NI
15	3229-11	4	Screw-CARR
16	138-2742	2	Mount-Latch
17	104-7201	4	Nut-HF, NI
18	130-0643	2	Latch-Push To Close
19	138-2744-03	2	Plate-Backing
20	3296-54	4	Nut-Lock
21	139-1923-03	1	Pre-Filter, Screen
22	112-3169	4	Screw-HHF, Serrated
23	137-3101	4	Screw-Plastic, HWH
24	65-5100	2	Handle-Door
25	139-1922	1	Filter-Pre-Scren

Heat Hose Assembly

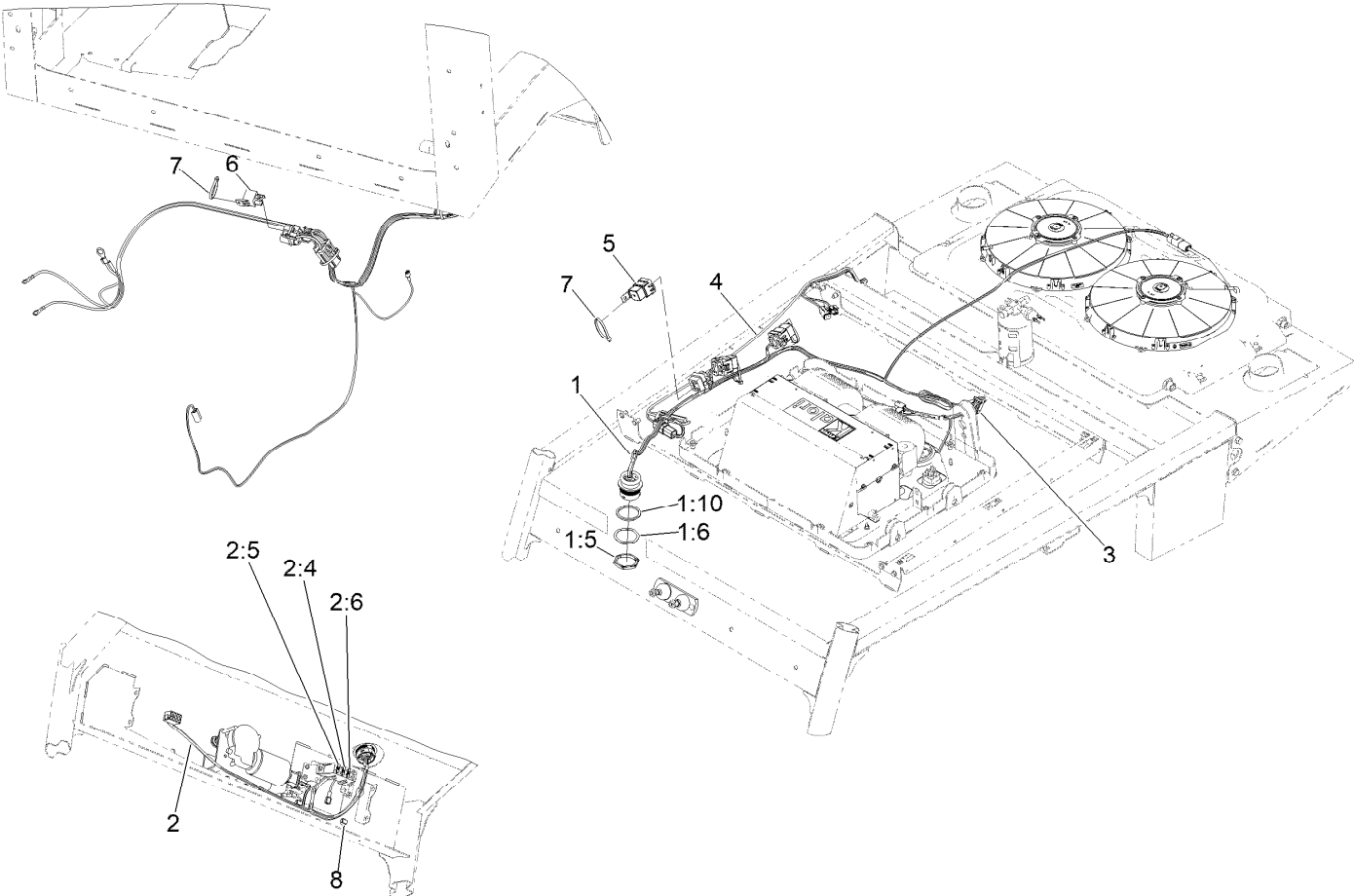


Heat Hose Assembly (continued)

<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	140-6573	4	Hose-Drain	11	139-1994	2	Hose-Drain
4	139-1983	1	Hose ASM-AC	12	139-1995	2	Hose-Drain
4:2	130-5751	2	Fitting-Female, 90 DEG	13	2412-119	2	Clamp-Hose
4:2:1	130-5772	1	Fitting Kit	14	32180-139	4	Mount-Tie Wrap, Magnetic
4:2:2	117-2778	1	O-Ring	15	139-2178	4	Fitting-Elbow 90
5	139-1984	1	Hose ASM-AC, Drier	18	139-1991	1	Hose-Refrigerant
5:2	138-2963	1	Fitting-Straight, Male	20	130-5944	1	Fitting-Male, Straight
5:2:1	130-5772	1	Fitting Kit	20:1	130-5775	1	Fitting Kit
5:2:2	117-2778	1	O-Ring	20:2	117-2780	1	O-Ring
5:3	139-2251	1	Ftg-45 DEG, Female	21	139-1992	1	Hose-Refrigerant
5:3:1	130-5772	1	Fitting Kit	22	139-2252	1	Ftg-45 DEG, Female
8	139-1987	2	Hose-Heater, 5/8	22:1	130-5773	1	Fitting Kit
9	139-1993	2	Hose-Drain	22:2	117-2779	1	O-Ring
10	138-2751	4	Fitting-Tee, Barb	24	130-8304	4	Tape-Refrigeration ●

● Not illustrated

Electrical Component Assembly

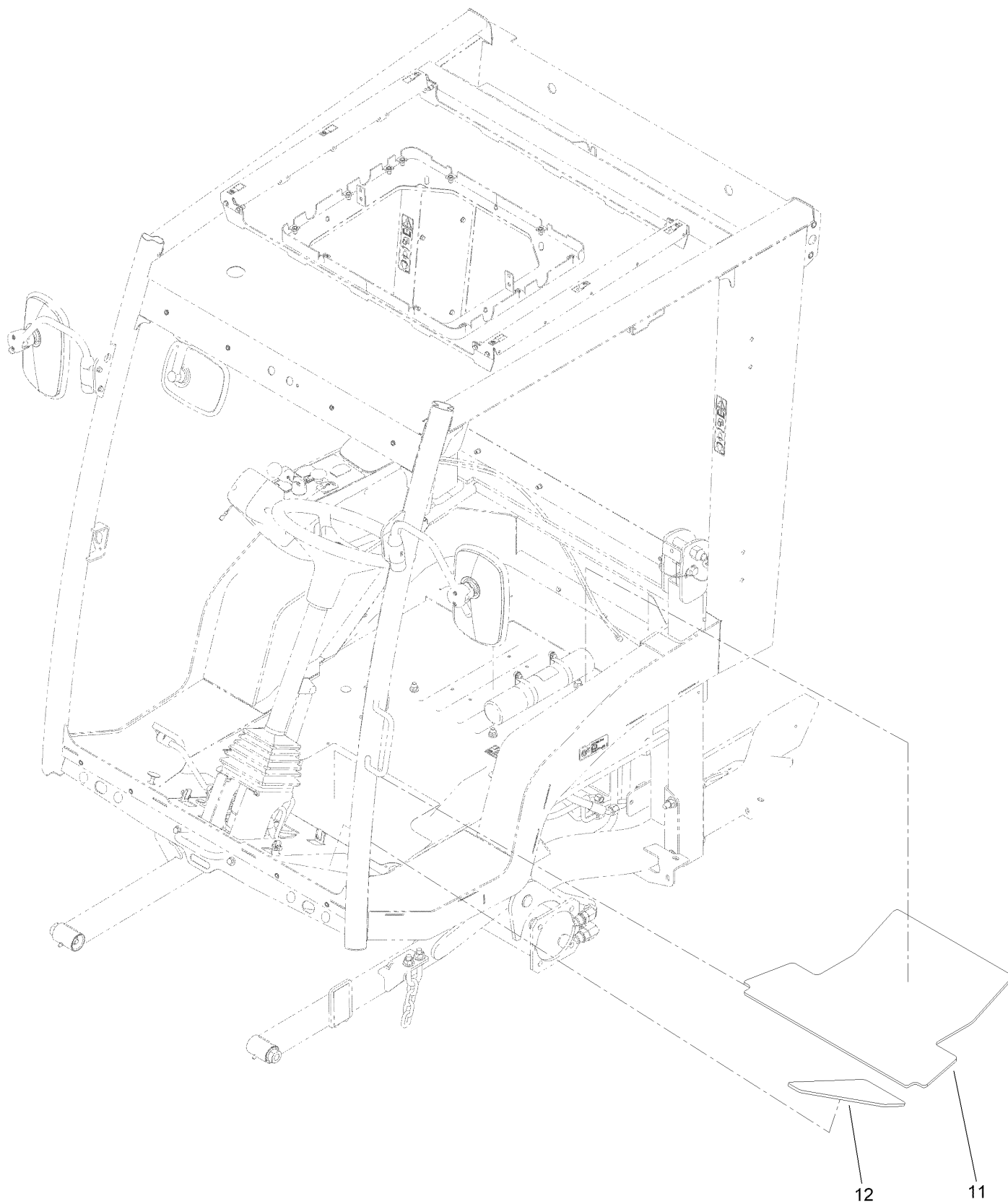


Electrical Component Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	122-1245	1	Harness-Wire, A/C Roof
1:5	32180-135	1	Nut-Connector
1:6	32180-143	1	Washer-Lock
1:10	161-7851	1	Gasket-Receptacle
2	122-1660	1	Harness-Wire, A/C Panel
2:4	109101	1	Fuse-Blade, 20 Amp
2:5	109102	1	Fuse-Blade, 25 Amp

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2:6	99-6124	1	Fuse-40 Amp
3	122-1678	1	Harness-Wire, Adapter
4	122-1435	1	Harness-Wire, Cab Power
5	99-7430	3	Relay-Mini
6	99-7435	1	Relay
7	3290-378	6	Tie-Cable
8	32180-030	2	Clip-Tie

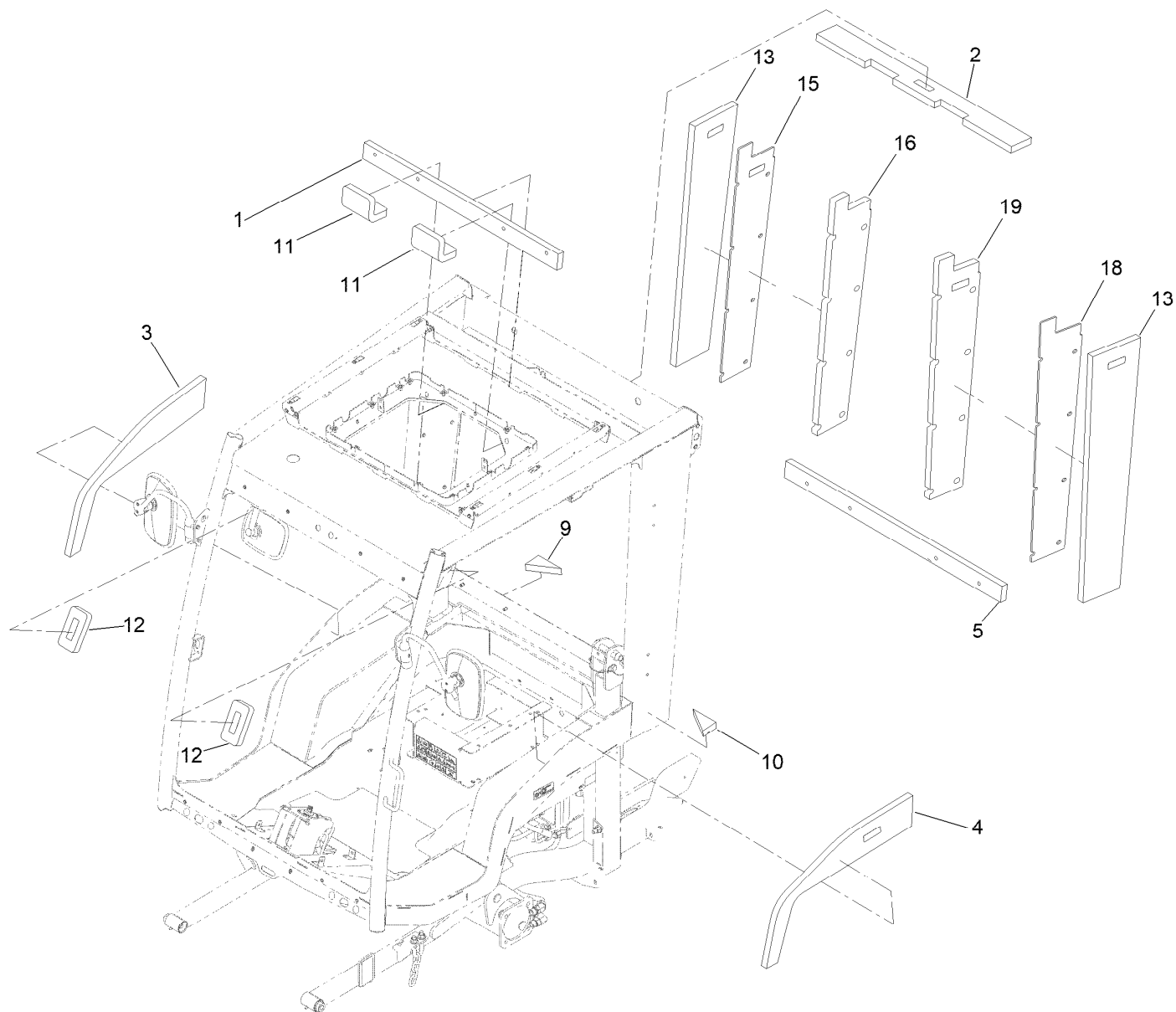
Floor Sound Reduction Assembly



Floor Sound Reduction Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
11	144-3233	1	Floor-Pad, Center
12	144-3234	1	Floor-Pad, Corner

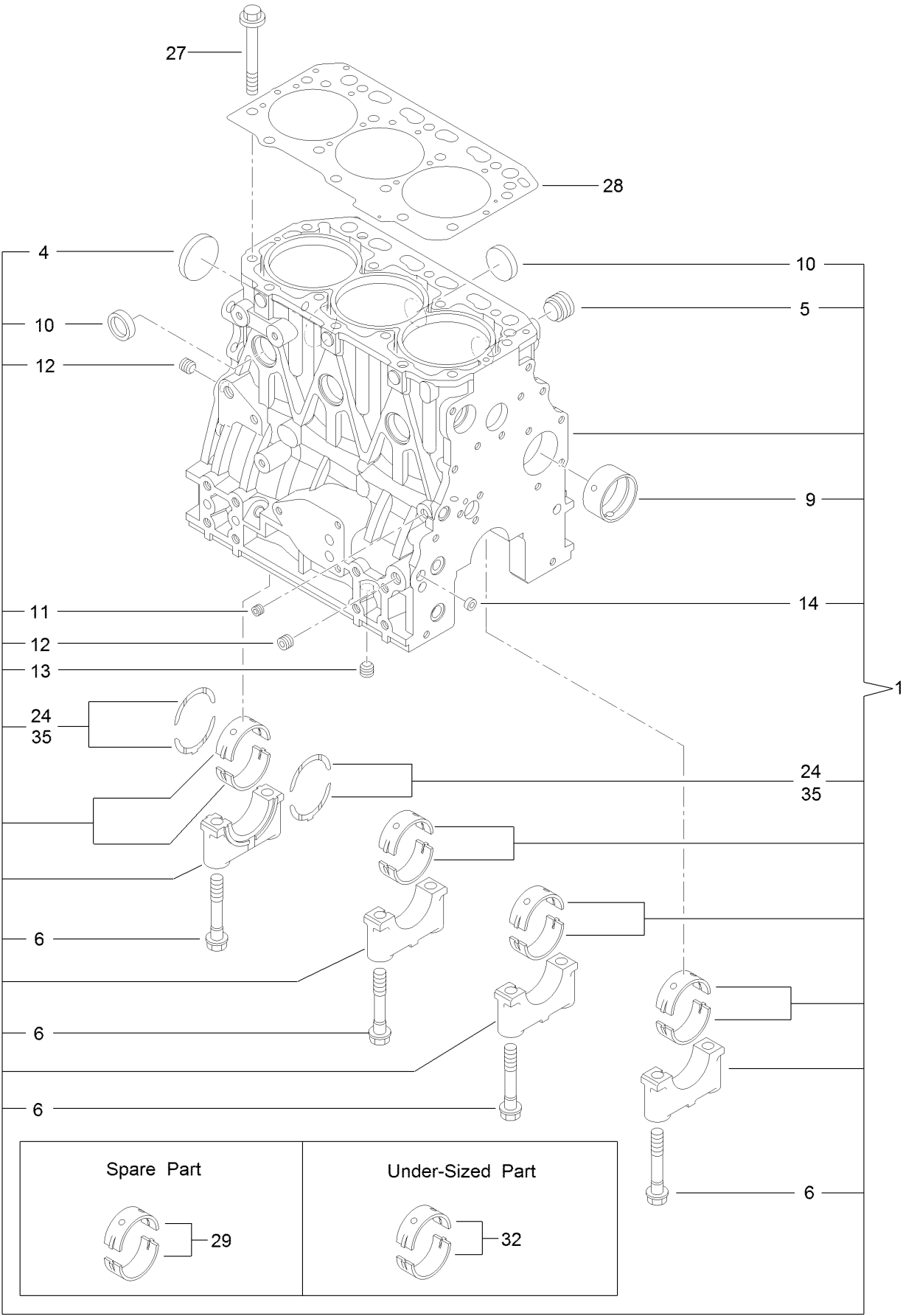
Cab Sound Reduction Assembly



Cab Sound Reduction 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	140-6886	1	Rear-Window	12	144-3238	2	Dash-Pad
2	140-6887	1	Rear-Ceiling	13	140-6884	2	Pillar-Pad, Rear
3	140-6888	1	Side-Door, RH	15	140-6737	1	Panel-Sound Dampening, RH
4	140-6889	1	Side-Door, LH	16	144-3235	1	Pillar-Pad, Rear RH
5	140-6890	1	Rear-Window	18	140-6738	1	Panel-Sound, Dampening LH
9	140-6894	1	Tile-Corner, RH	19	144-3236	1	Pillar-Pad, Rear LH
10	140-6895	1	Tile-Corner, LH				
11	144-3237	2	ROPS-Pad				

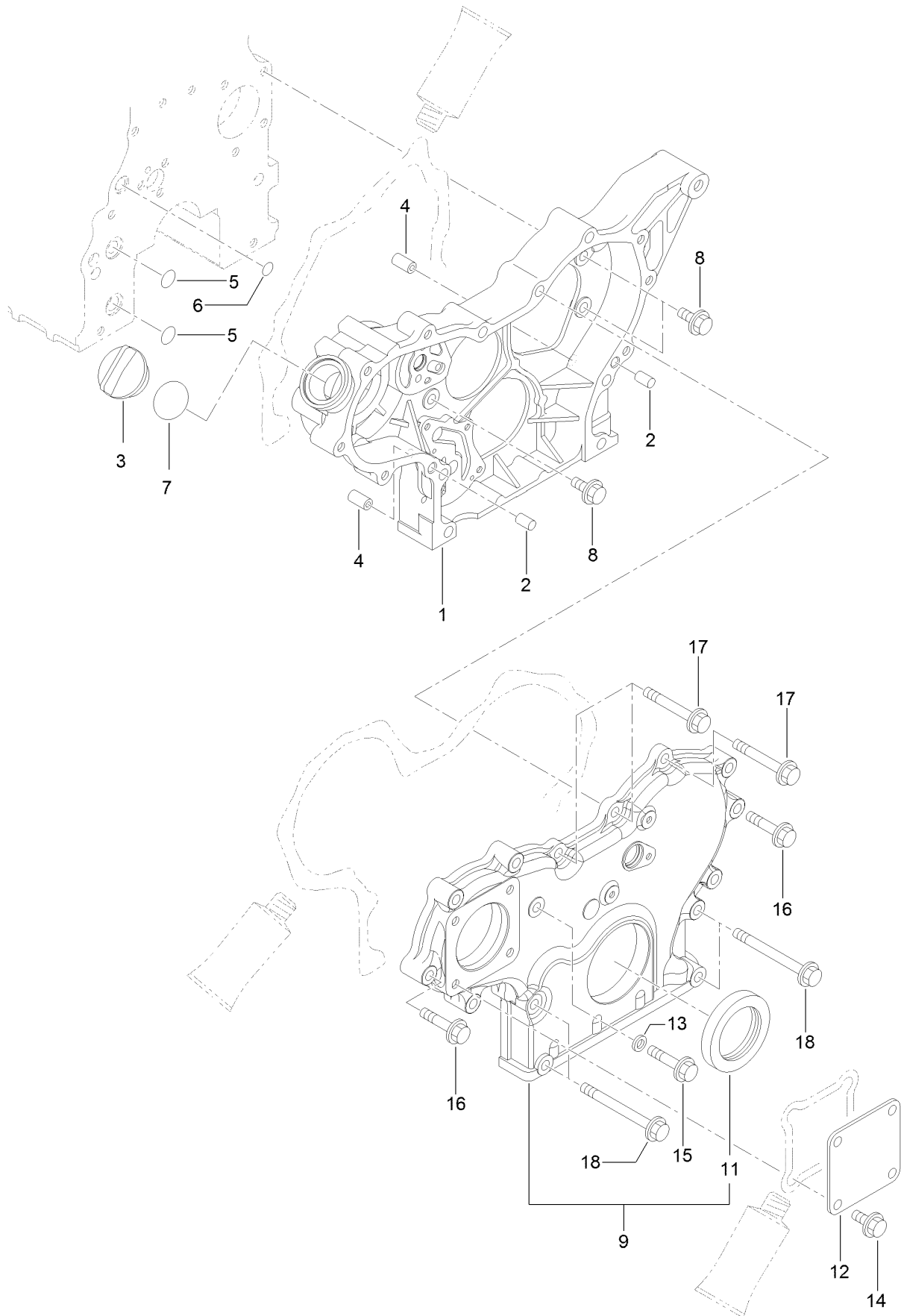
Cylinder Block Assembly



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	127-4717	1	Cylinder Block ASM	13	125-6973	1	Plug
4	125-6980	1	Plug	14	125-7237	1	Plug
5	125-7170	1	Plug	24	125-7010	2	Metal-Thrust
6	125-7007	8	Bolt	27	125-7006	14	Bolt
9	125-7108	1	Bushing	28	127-4716	1	Head Gasket ASM
10	140-7182	6	Plug 30	29	125-6981	4	Metal-Main
11	125-6969	1	Plug	32	125-7009	4	Metal-Main (0.25)
12	125-6973	2	Plug	35	125-7011	1	Metal-Thrust (0.25)

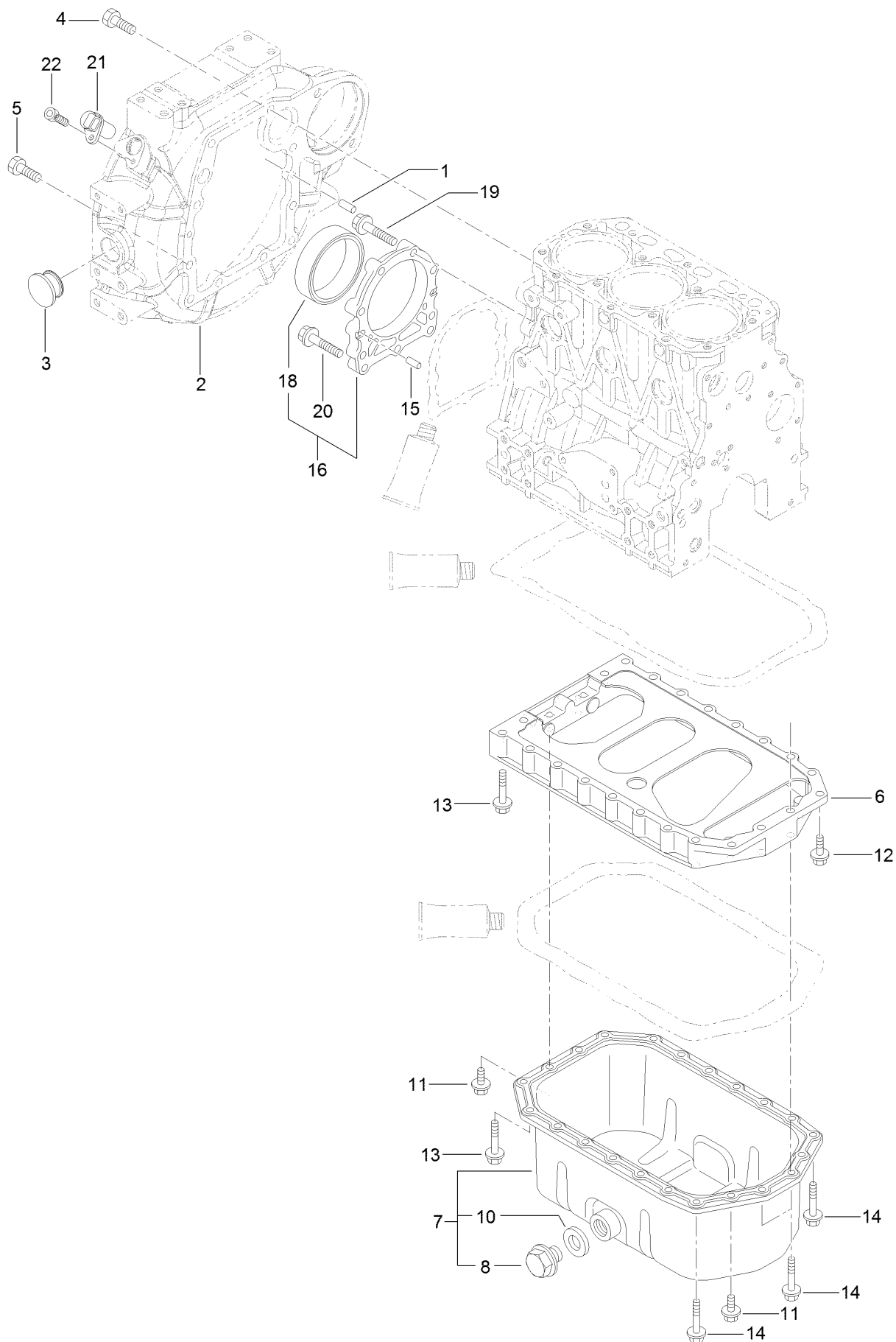
Gear Housing Assembly



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	127-3023	1	Case-Gear	11	125-6944	1	Seal-Oil
2	125-6995	2	Pin	12	125-6977	1	Cover
3	125-6972	1	Cover-Filler	13	125-7174	1	Washer-Seal
4	125-7107	2	Pipe	14	125-7214	4	Bolt
5	125-6909	2	O-Ring	15	125-7217	1	Bolt
6	127-2973	1	O-Ring	16	125-7218	7	Bolt
7	125-7197	1	O-Ring	17	125-7222	3	Bolt
8	125-7214	3	Bolt	18	125-7224	4	Bolt
9	127-3024	1	Gearcase Cover ASM				

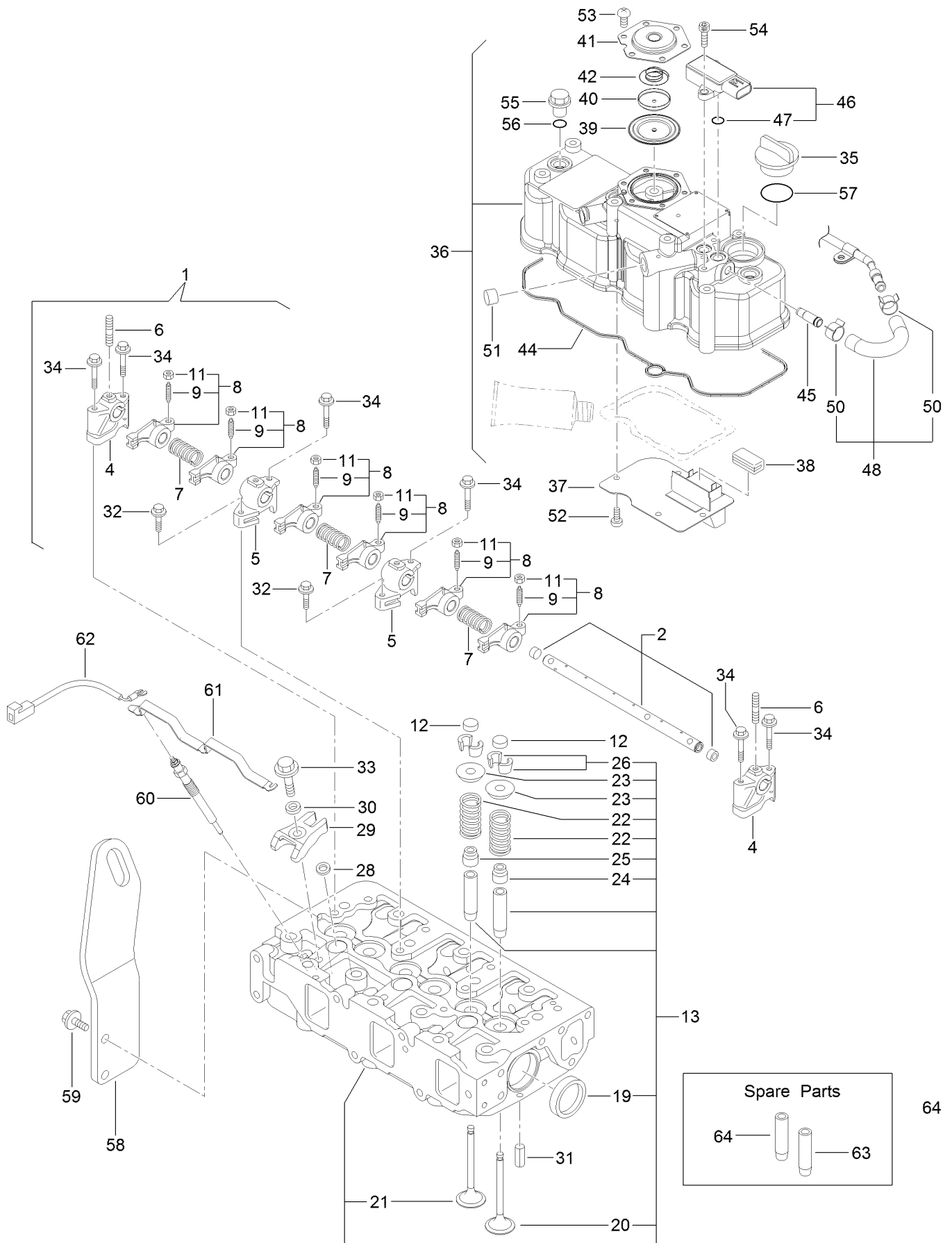
Flywheel Housing and Oil Sump Assembly



Flywheel Housing 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	12	125-7215	2	Bolt
2	127-3025	1	Housing-Flywheel	13	125-7219	16	Bolt
3	125-6910	1	Cap	14	125-7220	4	Bolt
4	125-7226	6	Bolt	15	125-6995	2	Pin
5	125-7227	4	Bolt	16	140-7173	1	Oil Seal Case ASM
6	127-3756	1	Spacer	18	140-7174	1	Seal-Oil
7	135-4010	1	Oil Pan ASM	19	125-7045	6	Bolt
8	125-6912	1	Plug-Drain	20	125-7217	3	Bolt
10	125-7177	1	Washer-Seal	21	127-3062	1	Sensor-Rev, Flywheel
11	125-7214	4	Bolt	22	127-3184	1	Bolt

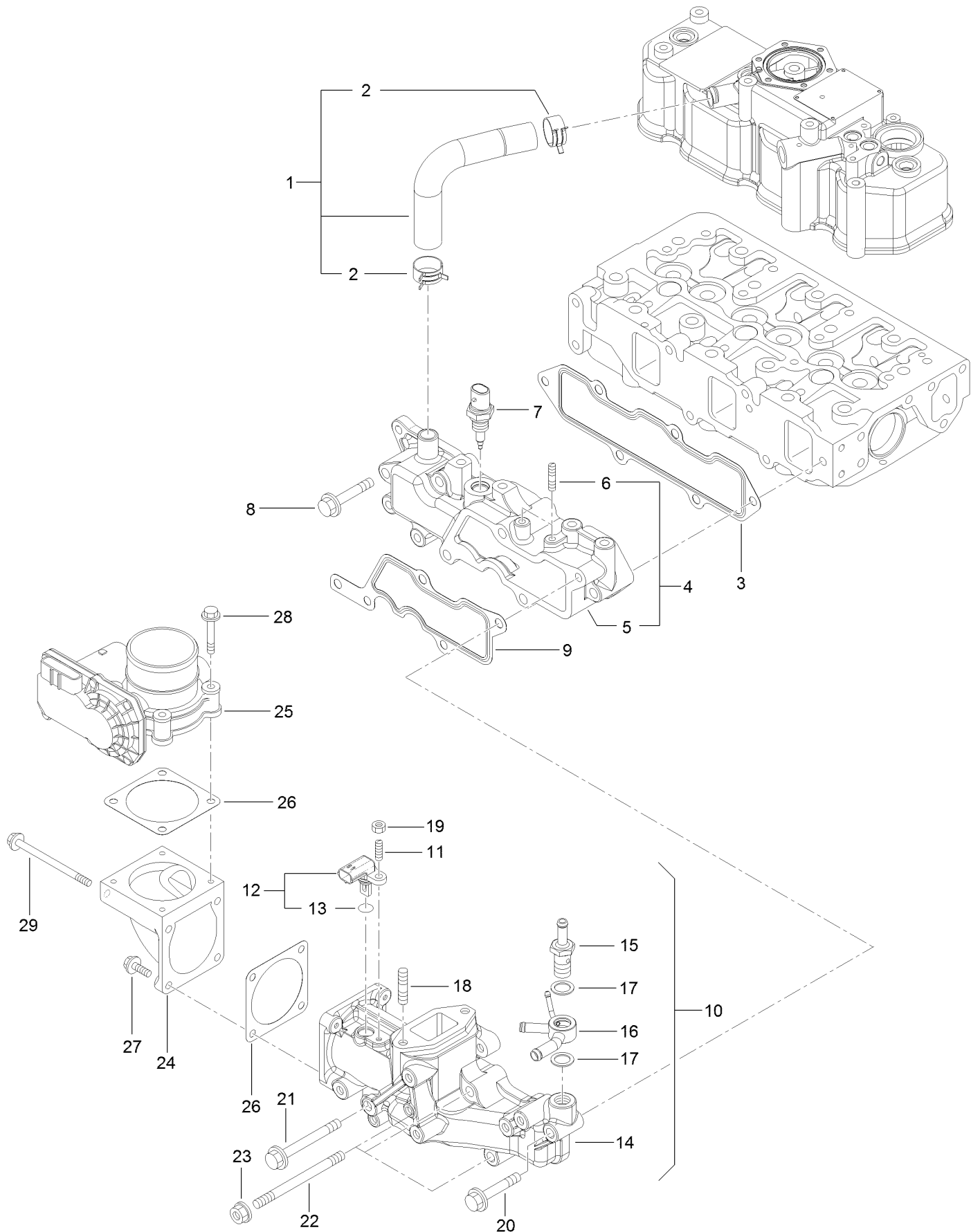
Cylinder Head and Cover Assembly



Cylinder Head and Cover 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	127-3757	1	Shaft ASM	37	127-2988	1	Plate
2	127-3758	1	Shaft	38	125-7012	1	Baffle
4	127-2974	2	Support	39	125-6959	1	Diaphragm
5	127-2975	2	Support	40	125-6960	1	Plate
6	135-4012	3	Bolt,Stud	41	125-6961	1	Plate-Breather
7	127-2995	3	Spring	42	125-6962	1	Spring-Diaphragm
8	127-2989	6	Arm-Rocker	44	127-3762	1	Gasket-Cover, Cylinder Head
9	125-7013	6	Screw-Adjust, Valve	45	127-3026	1	Joint
11	125-7014	6	Nut	46	127-3029	1	Sensor-Pressure
12	127-2996	6	Cap-Valve	47	127-3032	2	O Ring-Sensor, Pressure
13	139-6014	1	Cylinder Head ASM	48	127-3040	1	Hose ASM
19	125-7240	2	Plug	50	127-3041	2	Clip-Hose
20	127-2990	3	Valve	51	125-6913	1	Plug
21	127-4710	3	Valve	52	125-7186	4	Screw
22	127-3012	6	Spring	53	125-7186	6	Screw
23	127-3013	6	Retainer-Spring	54	127-3184	2	Bolt
24	127-2986	3	Seal-Stem, Valve	55	125-6974	3	Knob
25	127-3027	3	Seal-Stem, Valve	56	138-7829	3	O-Ring
26	127-3186	6	Pin-Cotter	57	125-7197	1	O-Ring
28	127-3021	3	Gasket-Injector	58	127-4718	1	Lifter-Engine
29	127-3028	3	Retainer-Injector	59	125-7595	2	Bolt
30	127-2980	3	Washer-Injector	60	127-2991	3	Plug-Glow
31	125-7184	2	Pin-Spring	61	127-3768	1	Connector-Plug, Glow
32	125-7215	2	Bolt	62	131-2704	1	Harness-Wire
33	125-7217	3	Bolt	63	127-2979	3	Guide
34	125-7220	6	Bolt	64	127-2997	3	Guide-Valve
35	125-6972	1	Cover-Filler				
36	127-4719	1	Cylinder Head Cover ASM				

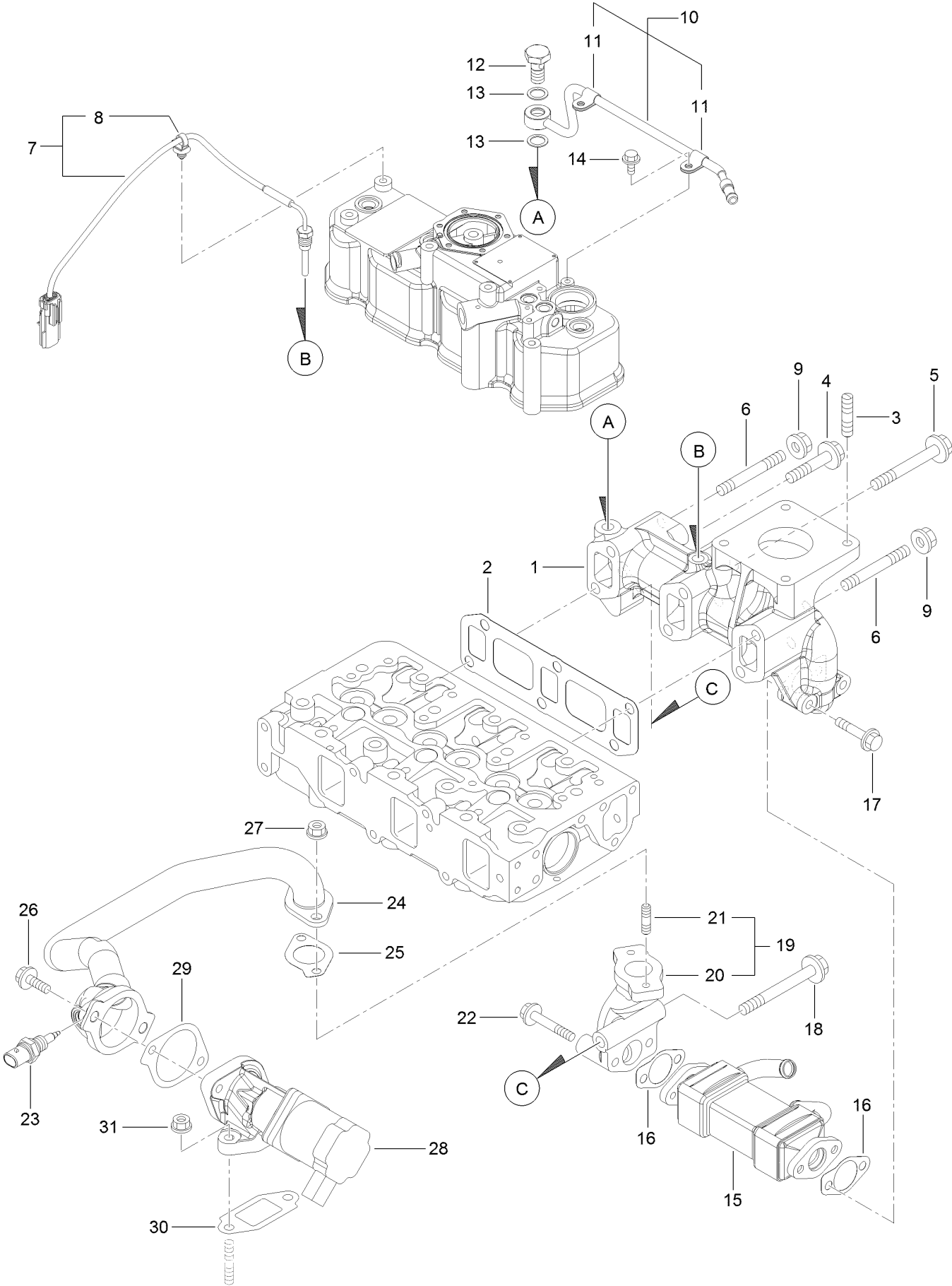
Suction Manifold Assembly



Suction 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	127-4704	1	Pipe	16	127-3081	1	Joint-Hose
2	125-7040	2	Clip-Hose	17	127-3166	2	Washer-Seal
3	127-3769	1	Gasket-Manifold, Intake	18	127-3181	2	Stud
4	127-4722	1	Intake Manifold ASM	19	127-4775	1	Nut
5	127-4721	1	Manifold-Intake	20	125-7220	1	Bolt
6	127-3180	2	Stud	21	127-3178	1	Bolt
7	137-5167	1	Sensor-Temperature, Air	22	127-3182	3	Stud
8	125-7220	3	Bolt	23	125-7229	3	Nut
9	127-3034	1	Gasket-Collector	24	127-3035	1	Bend-Inlet
10	127-4725	1	Intake Collector ASM	25	127-3036	1	Body-Throttle
11	127-4701	1	Stud	26	127-3037	2	Gasket-Throttle
12	127-3030	1	Sensor-Temp, Air	27	125-7209	2	Bolt
13	127-3033	1	O-Ring	28	125-7211	4	Bolt
14	127-4724	1	Collector-Intake	29	127-3177	2	Bolt
15	127-3080	1	Joint-Hose				

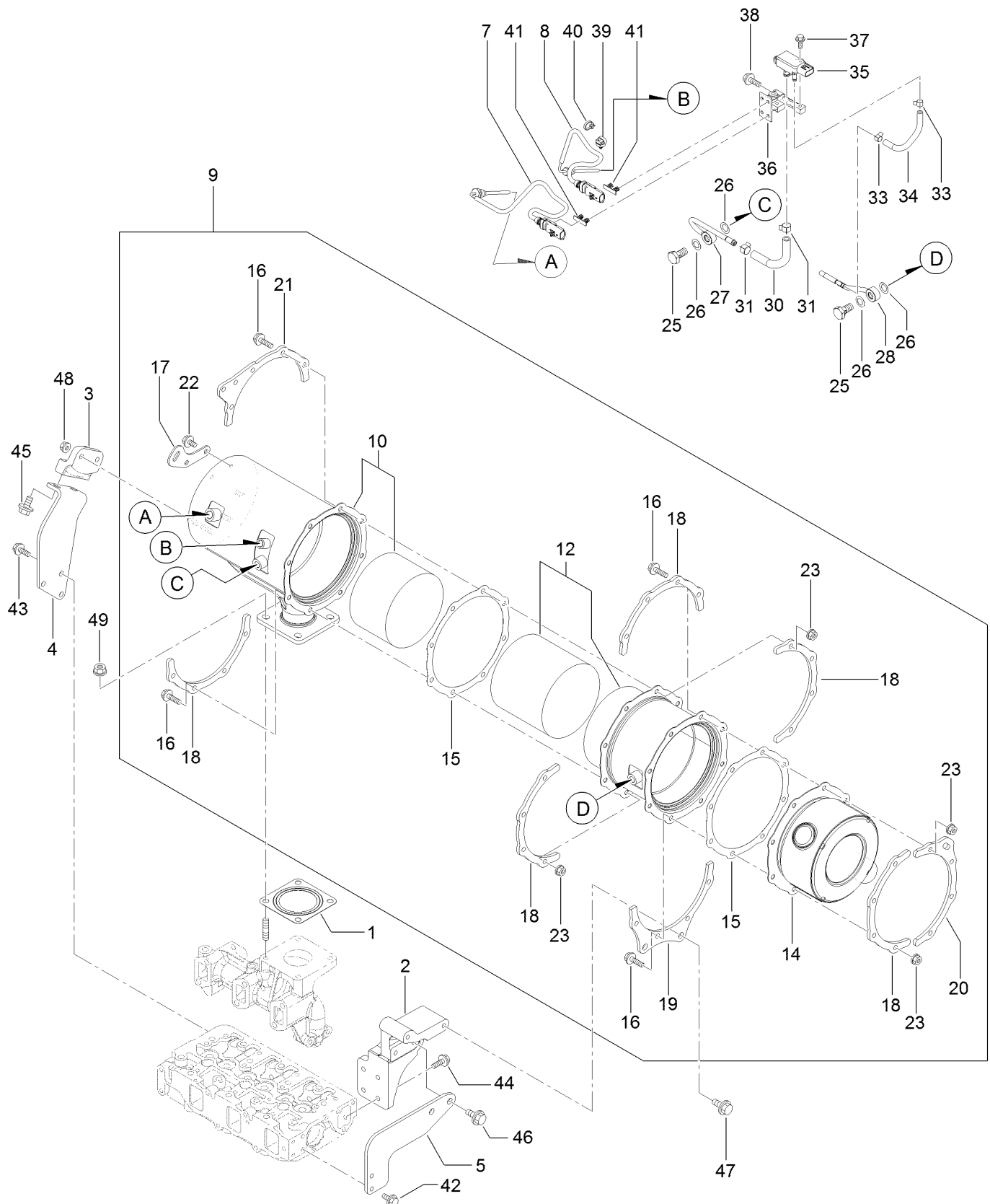
Exhaust Manifold Assembly



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	127-4726	1	Manifold-Exhaust	17	133-6715	2	Bolt
2	127-3775	1	Gasket-Manifold, Exhaust	18	127-3022	1	Bolt-Flange
3	127-2984	4	Stud	19	127-3048	1	E G R Pipe ASM
4	135-4013	1	Bolt	20	127-3049	1	Pipe-Out, E G R
5	135-4014	3	Bolt	21	125-7043	2	Stud
6	127-4756	2	Stud	22	125-7220	2	Bolt
7	127-4729	1	Sensor-Temp, Exhaust	23	137-5168	1	Sensor-Gas Temp, E G R
8	127-3087	1	Band-Clip	24	127-3780	1	E G R Pipe ASM
9	125-7230	2	Nut	25	127-3016	1	Gasket
10	127-3038	1	Exhaust Pipe ASM	26	125-7215	2	Bolt
11	127-3173	2	Clamp	27	125-7229	2	Nut
12	127-3039	1	Bolt-Joint, Pipe	28	127-3781	1	Valve-E G R
13	127-3174	2	Gasket	29	127-3050	1	Gasket-Intake Valve, E G R
14	125-7206	2	Bolt	30	127-3051	1	Gasket-Out Valve, E G R
15	127-3042	1	Cooler-E G R	31	125-7229	2	Nut
16	127-3043	2	Gasket-Cooler, E G R				

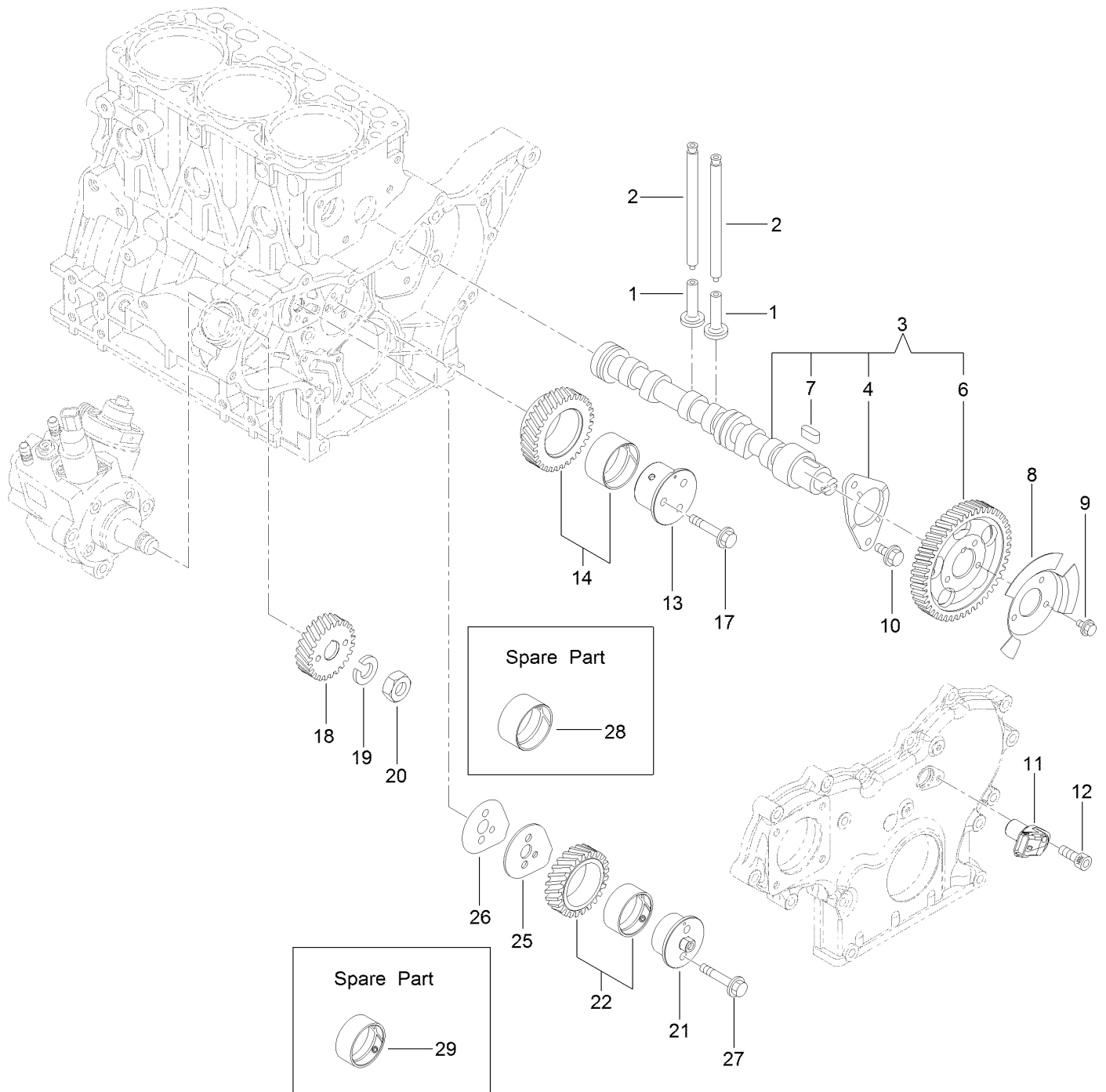
Diesel Particulate Filter Assembly



Diesel Particulate 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	127-2987	1	Gasket-Silencer	27	127-4744	1	Sensor Pipe ASM
2	127-4738	1	Stay-D P F	28	127-4745	1	Sensor Pipe ASM
3	127-4739	1	Stay-D P F	30	140-7175	1	Hose-Pressure
4	127-4740	1	Stay-D P F	31	127-3057	2	Clip-Hose
5	127-4741	1	Stay-D P F	33	127-3058	2	Clip-Hose
7	127-4764	1	Sensor-Temp, Exhaust	34	138-8257	1	Exhaust Press Hose ASM
8	127-3112	1	Sensor-Temp, Exhaust	35	127-3060	1	Sensor-Pressure
9	127-4759	1	D P F ASM	36	127-4750	1	Bracket-Sensor
10	127-4732	1	Case-D O C	37	125-7208	2	Bolt
12	127-4734	1	Case-Filter, Soot	38	125-7595	2	Bolt
14	127-3786	1	Silencer-D P F	39	127-3087	1	Band-Clip
15	127-3787	2	Gasket-D P F	40	127-3124	1	Band
16	127-3055	16	Bolt	41	127-3088	2	Clip-Connector
17	127-3788	1	Lifter-D P F	42	125-7214	2	Bolt
18	127-3789	5	Stiffener-D P F, A	43	125-7214	3	Bolt
19	127-4735	1	Stiffener-D P F, B	44	125-7595	4	Bolt
20	127-3792	1	Stiffener-D P F, C	45	127-3179	2	Bolt
21	127-4736	1	Stiffener-D P F, C	46	127-3179	2	Bolt
22	125-7213	2	Bolt	47	127-3179	2	Bolt
23	125-7229	16	Nut	48	125-7229	2	Nut
25	127-3039	2	Bolt-Joint, Pipe	49	125-7230	4	Nut
26	127-3056	4	Gasket-Sensor				

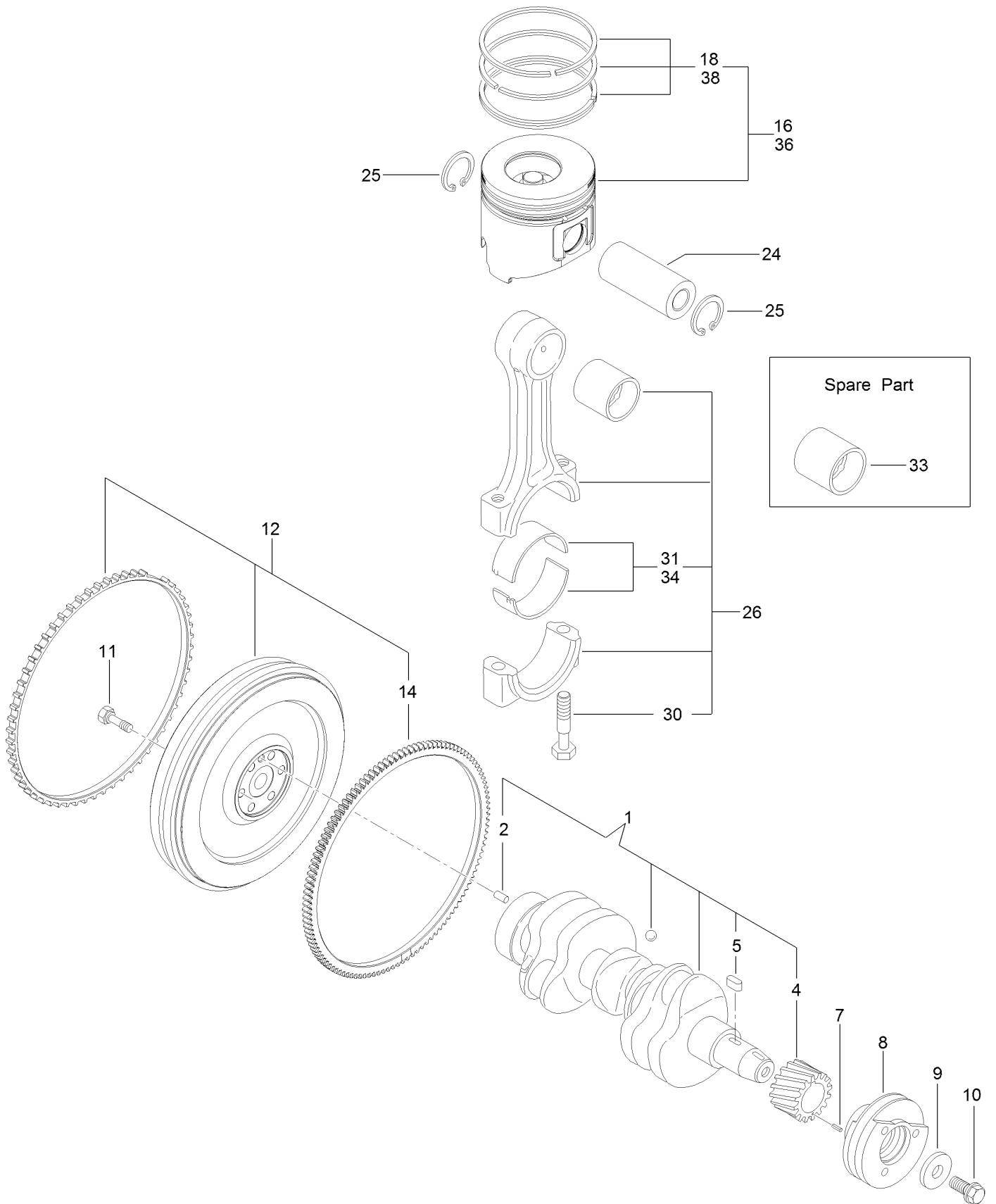
Camshaft and Driving Gear Assembly



Camshaft and Driving Gear 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	14	127-3066	1	Idle Gear A ASM
2	125-7017	6	Rod-Push	17	125-7219	3	Bolt
3	127-3797	1	Camshaft ASM	18	127-3070	1	Gear-Pump, Supply
4	125-7008	1	Metal-Thrust	19	127-3167	1	Washer-Spring
6	127-3052	1	Gear-Camshaft	20	127-3185	1	Nut-Lock
7	125-7185	1	Key	21	127-3064	1	Shaft-Idle, Gear B
8	127-3053	1	Pulser-Camshaft	22	127-3067	1	Idle Gear B ASM
9	125-7205	3	Bolt	25	127-3068	1	Plate-Idle, Shaft
10	125-7213	2	Bolt	26	127-3069	1	Gasket-Idle, Shaft B
11	127-3054	1	Sensor-Rev, Gear	27	125-7218	2	Bolt
12	127-3184	1	Bolt	28	125-6926	1	Bush
13	127-3063	1	Shaft-Idle, Gear A	29	127-3065	1	Bushing

Crankshaft and Piston Assembly

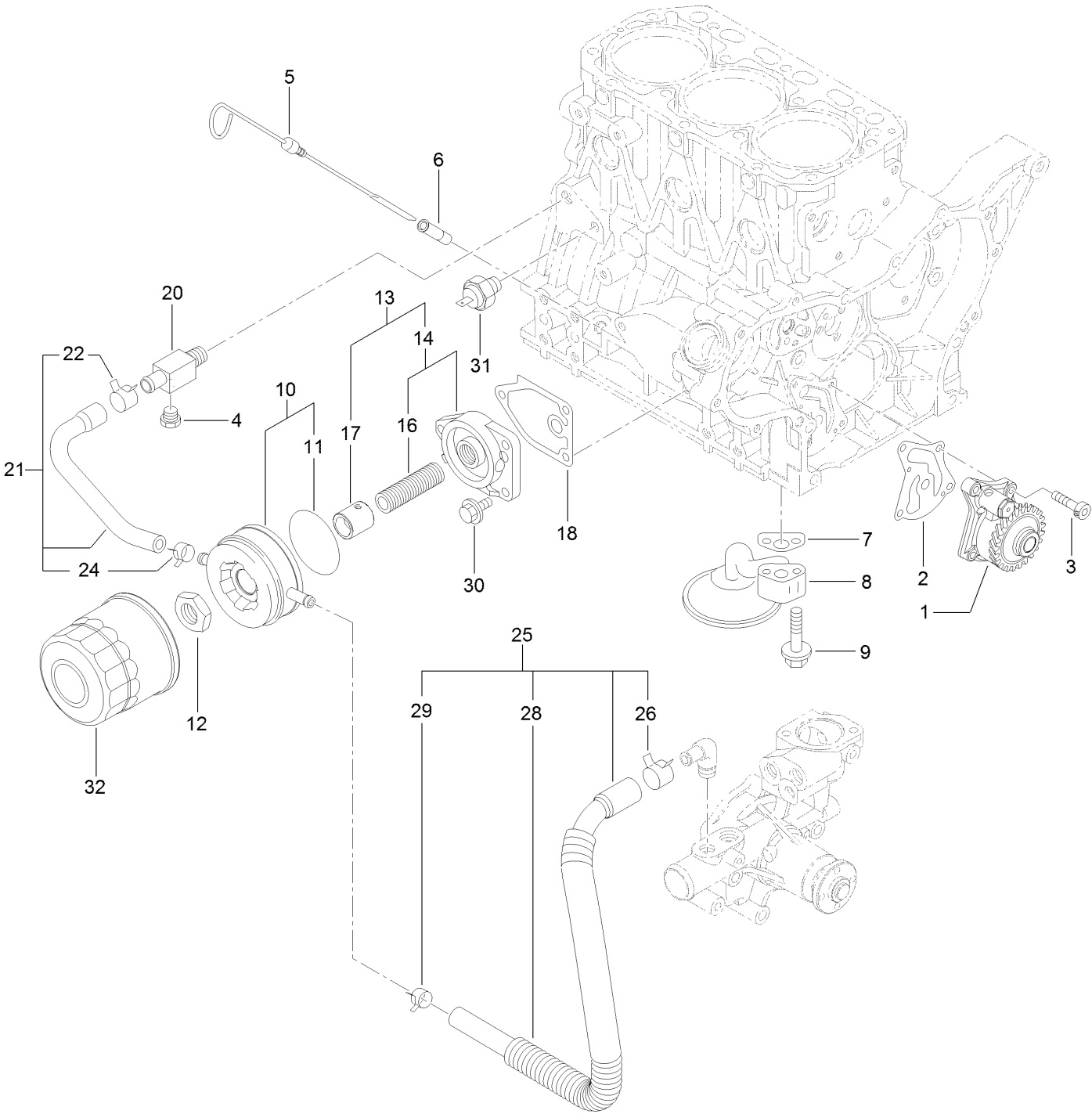


Crankshaft and Piston Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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	127-3802	1	Flywheel ASM
14	125-6943	1	Gear

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
16	127-4766	3	Piston ASM
18	127-4751	3	Piston Ring ASM
24	125-7030	3	Pin
25	125-7180	6	Ring
26	125-7242	3	Connecting Rod ASM
30	125-6955	6	Bolt
31	125-7018	3	Pin-Crank
33	125-6997	3	Pin-Piston
34	125-7019	3	Pin-Crank (.25)
36	127-4767	3	Piston ASM (0.25 O S)
38	127-4752	3	Ring Set (0.25 O S)

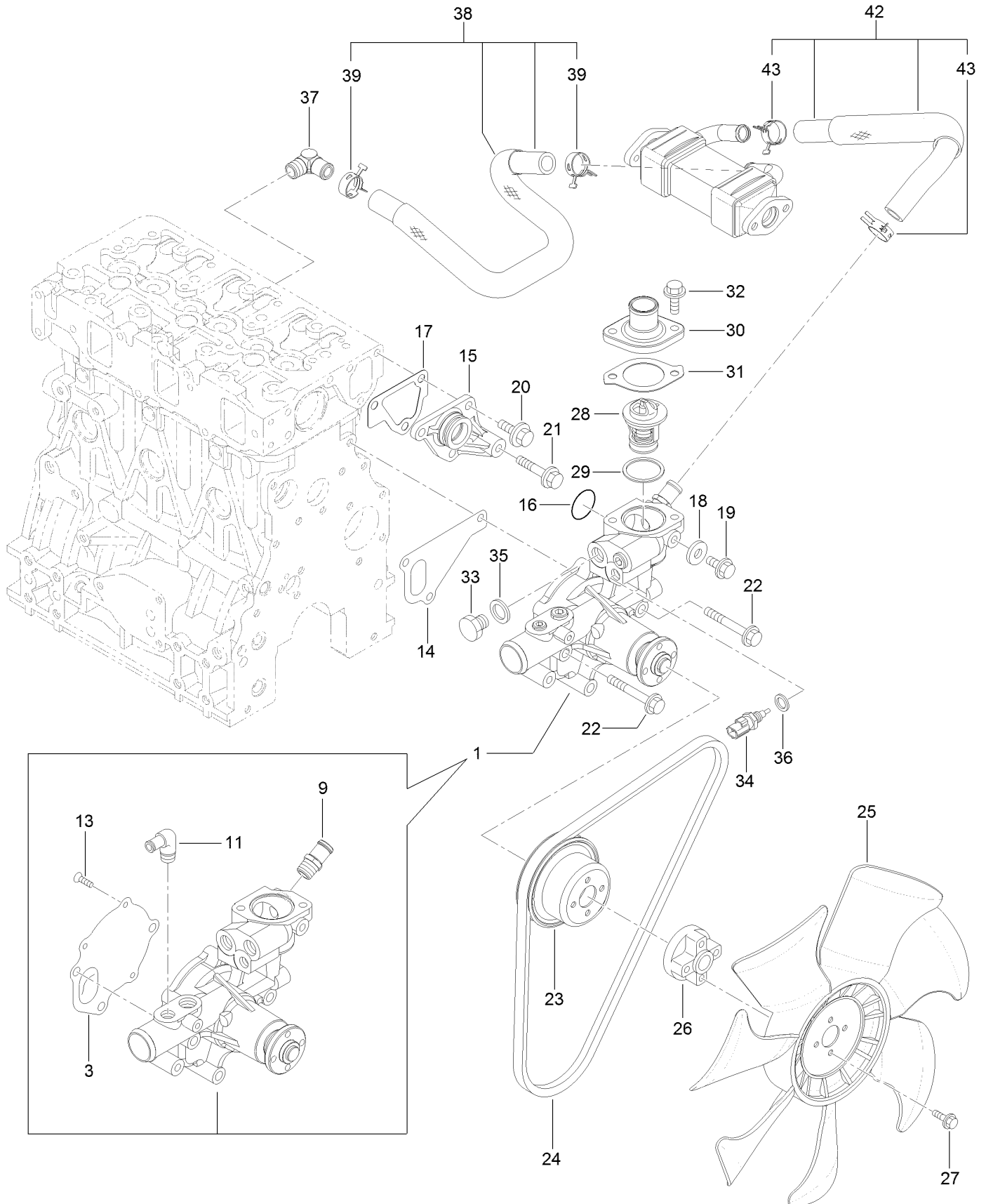
Lubrication and Oil System Assembly



Lubrication and Oil System 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	127-4753	1	Oil Pump ASM	16	125-7042	1	Stud
2	127-3004	1	Gasket	17	135-4022	1	Collar-Cooler, Oil
3	125-7232	4	Bolt	18	125-7024	1	Gasket
4	125-7171	1	Plug-Drain	20	125-6990	1	Joint
5	140-7168	1	Dipstick-Oil	21	125-7078	1	Pipe ASM
6	125-6954	1	Guide-Dipstick	22	125-7162	1	Clip
7	125-7022	1	Gasket	24	125-7191	1	Clamp-Hose
8	135-4017	1	Oil Inlet Pipe ASM	25	127-3804	1	Pipe ASM
9	125-7217	2	Bolt	26	125-7162	1	Clip
10	135-4018	1	Oil Cooler ASM	28	127-3805	1	Tube
11	135-4019	1	Packing-Oil Cooler	29	125-7191	1	Clamp-Hose
12	135-4020	1	Nut	30	125-7595	3	Bolt
13	135-4021	1	Lo Filter Bracket ASM	31	125-6918	1	Switch-Oil
14	140-7169	1	Filter Bracket ASM	32	125-7025	1	Filter-Engine, Oil

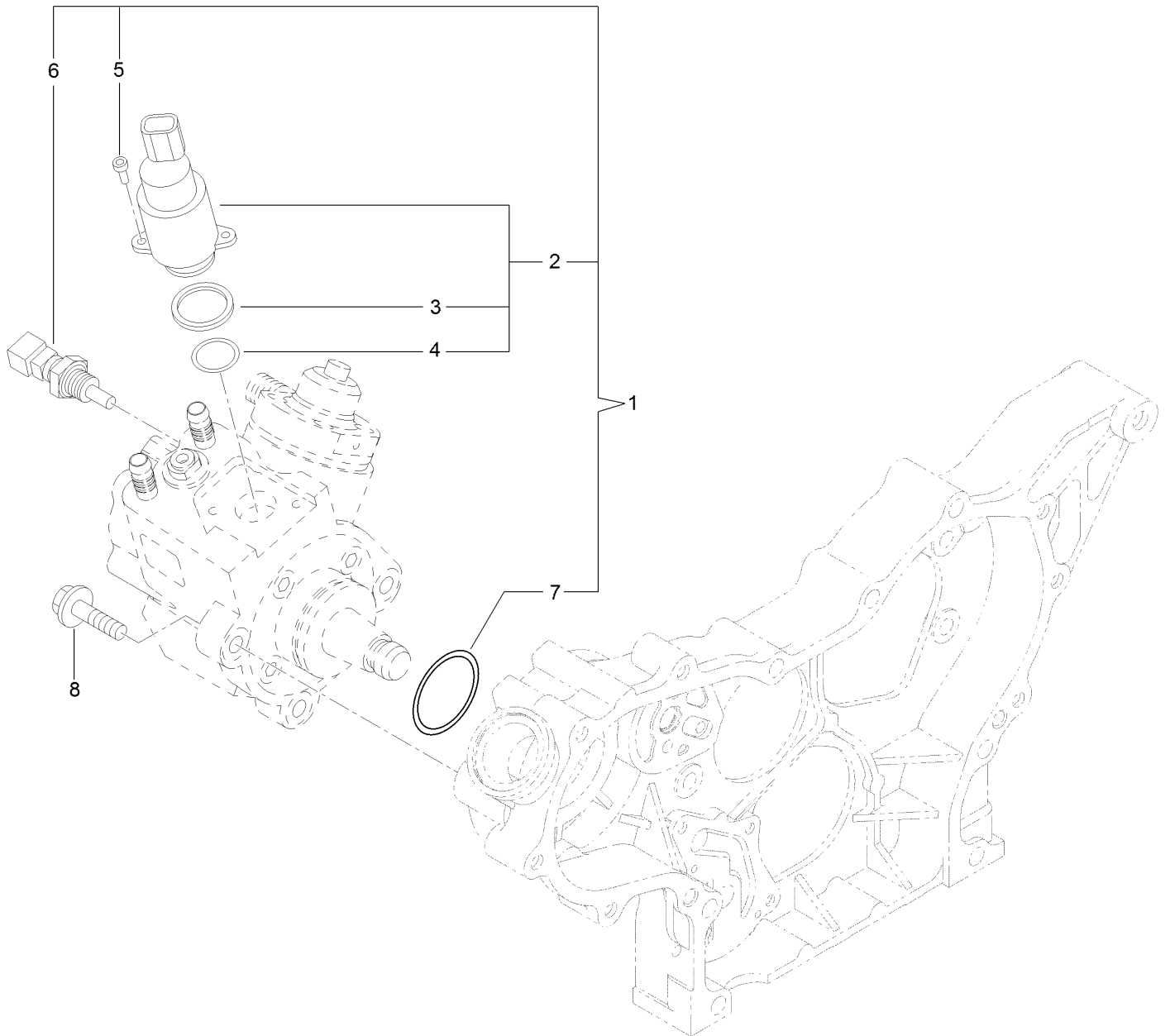
Cooling Water System Assembly



Cooling Water System 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	140-7176	1	CW Pump ASM	26	127-3810	1	Spacer
3	125-6998	1	Gasket	27	125-7209	4	Bolt
9	127-3017	1	Joint	28	125-7029	1	Thermostat
11	125-7001	1	Elbow	29	125-7026	1	Gasket
13	140-7170	3	Screw-Flat	30	140-7171	1	Cover-Thermostat
14	125-7047	1	Gasket	31	125-7110	1	Gasket
15	125-6986	1	Joint	32	125-7594	2	Bolt
16	125-7048	1	O-Ring	33	125-6953	1	Plug
17	125-6978	1	Gasket	34	125-7124	1	Sensor-Thermostat, CW
18	125-7192	1	Gasket	35	125-6979	1	Gasket
19	125-7212	1	Bolt	36	125-7176	1	Washer-Seal
20	125-7214	3	Bolt	37	127-4705	1	Elbow
21	125-7219	1	Bolt	38	127-4757	1	E G R-C Pipe ASM
22	125-7222	3	Bolt	39	127-3020	2	Clip-Hose
23	127-4712	1	V-Pulley	42	127-3811	1	CW Pipe ASM
24	127-4771	1	V-Belt	43	127-3020	2	Clip-Hose
25	127-4702	1	Fan				

Fuel Supply Pump Assembly



Fuel Supply 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	140-7178	1	Fuel Pump ASM	5	131-2107	2	Bolt
2	131-2103	1	Valve ASM	6	131-2108	1	Sensor-Temperature
3	131-2105	1	Ring-Sealing	7	127-3074	1	O-Ring
4	131-2106	1	O-Ring	8	125-7216	3	Bolt

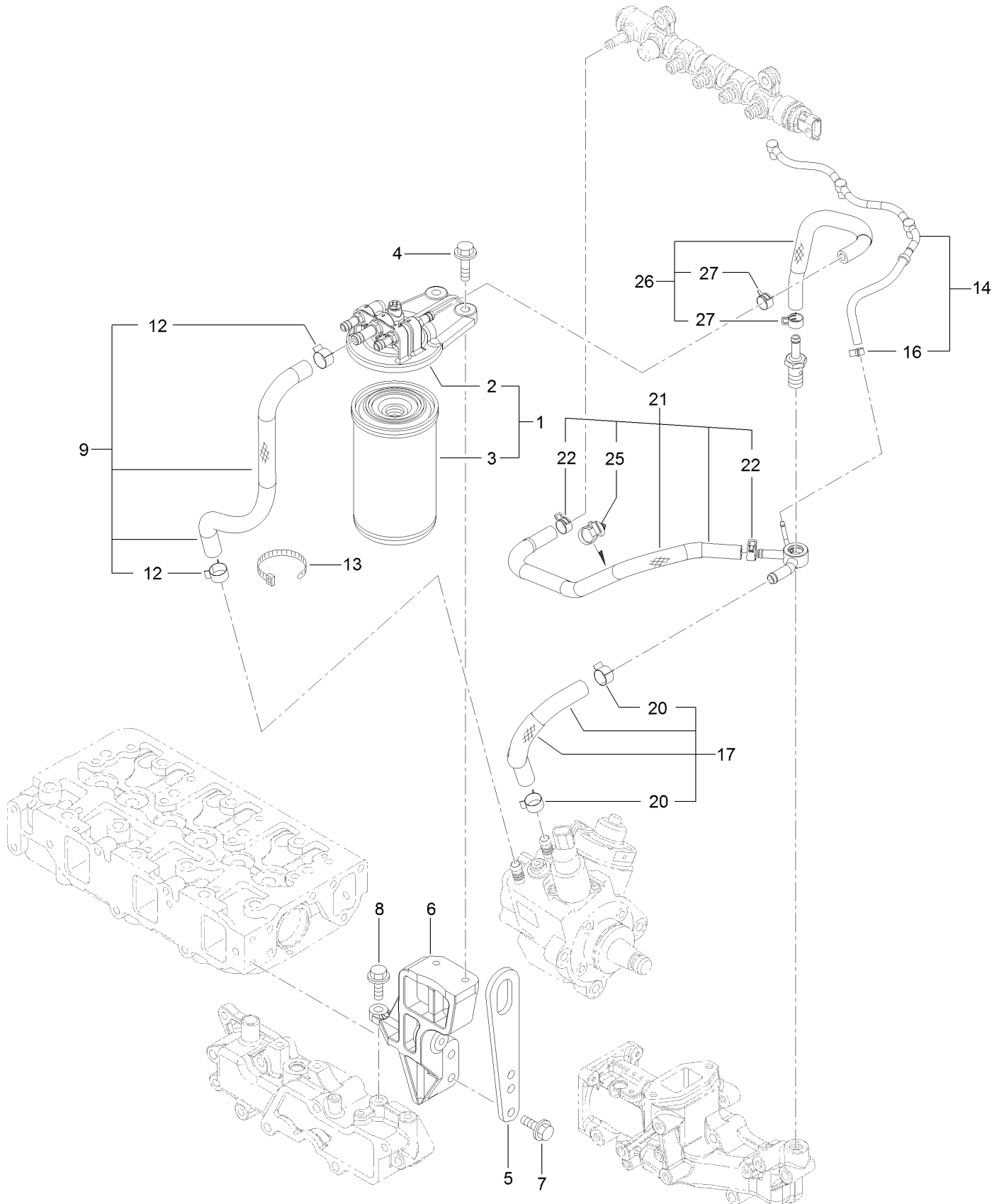
This exploded view diagram illustrates the assembly of a hydraulic pump. The main components are labeled as follows:

- 1**: The main pump housing or body.
- 2**: A mounting bracket or plate.
- 3**: A bolt or screw used for mounting.
- 4**: A small O-ring or seal.
- 5**: A larger O-ring or seal.
- 6**: A small O-ring or seal.
- 7**: A cable or hose with a connector.
- 8**: A cable or hose with a connector.
- 9**: A cable or hose with a connector.
- 10**: A cable or hose with a connector.
- 11**: A cable or hose with a connector.
- 12**: A cable or hose with a connector.
- 13**: A cable or hose with a connector.
- 14**: A cable or hose with a connector.
- 15**: A cable or hose with a connector.
- 16**: A cable or hose with a connector.
- 17**: A cable or hose with a connector.
- 18**: A cable or hose with a connector.
- 19**: A cable or hose with a connector.

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	127-4754	3	Injector ASM	11	125-7215	2	Bolt
4	130-7430	3	Ring-Retaining	12	127-3813	2	Retainer
6	137-5173	3	O-Ring	14	127-3082	1	Rail In Pipe ASM
7	127-3812	1	Rail ASM	16	127-3814	1	Injection Pipe ASM
8	131-2709	1	Sensor-Pressure, Rail	17	127-3083	1	Injection Pipe ASM
9	131-2710	1	Valve ASM	18	127-3084	1	Injection Pipe ASM
10	130-7433	1	O-Ring	19	125-7231	2	Nut

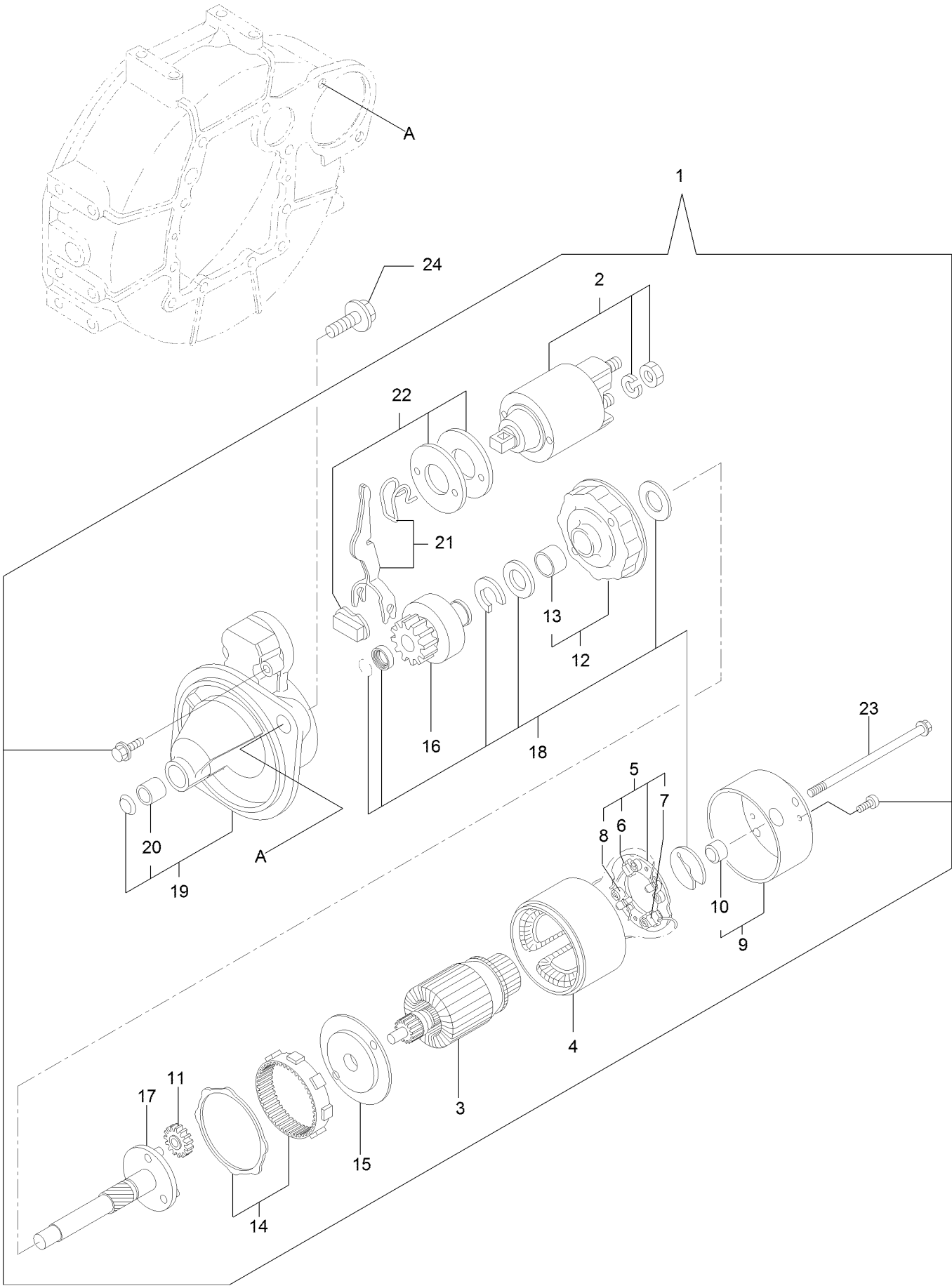
Fuel Filter Assembly



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	139-4535	1	Filter ASM	13	127-2981	1	Band
2	127-3076	1	Fuel/Oil Filter Bracket ASM	14	135-4023	1	Fuel/Oil Return Pipe ASM
3	139-6017	1	Filter-Fuel	16	127-3172	1	Clamp-Hose
4	125-7216	2	Bolt	17	127-3078	1	Fuel Pipe ASM
5	125-7111	1	Lifter	20	125-7191	2	Clamp-Hose
6	127-3815	1	Filter Bracket ASM	21	127-3817	1	Fuel Pipe ASM
7	125-7215	2	Bolt	22	127-2950	2	Clip-Hose
8	125-7215	1	Bolt	25	127-3087	1	Band-Clip
9	127-3077	1	Fuel Pipe ASM	26	127-3079	1	Fuel Pipe ASM
12	125-7191	2	Clamp-Hose	27	127-2950	2	Clip-Hose

Starting Motor Assembly

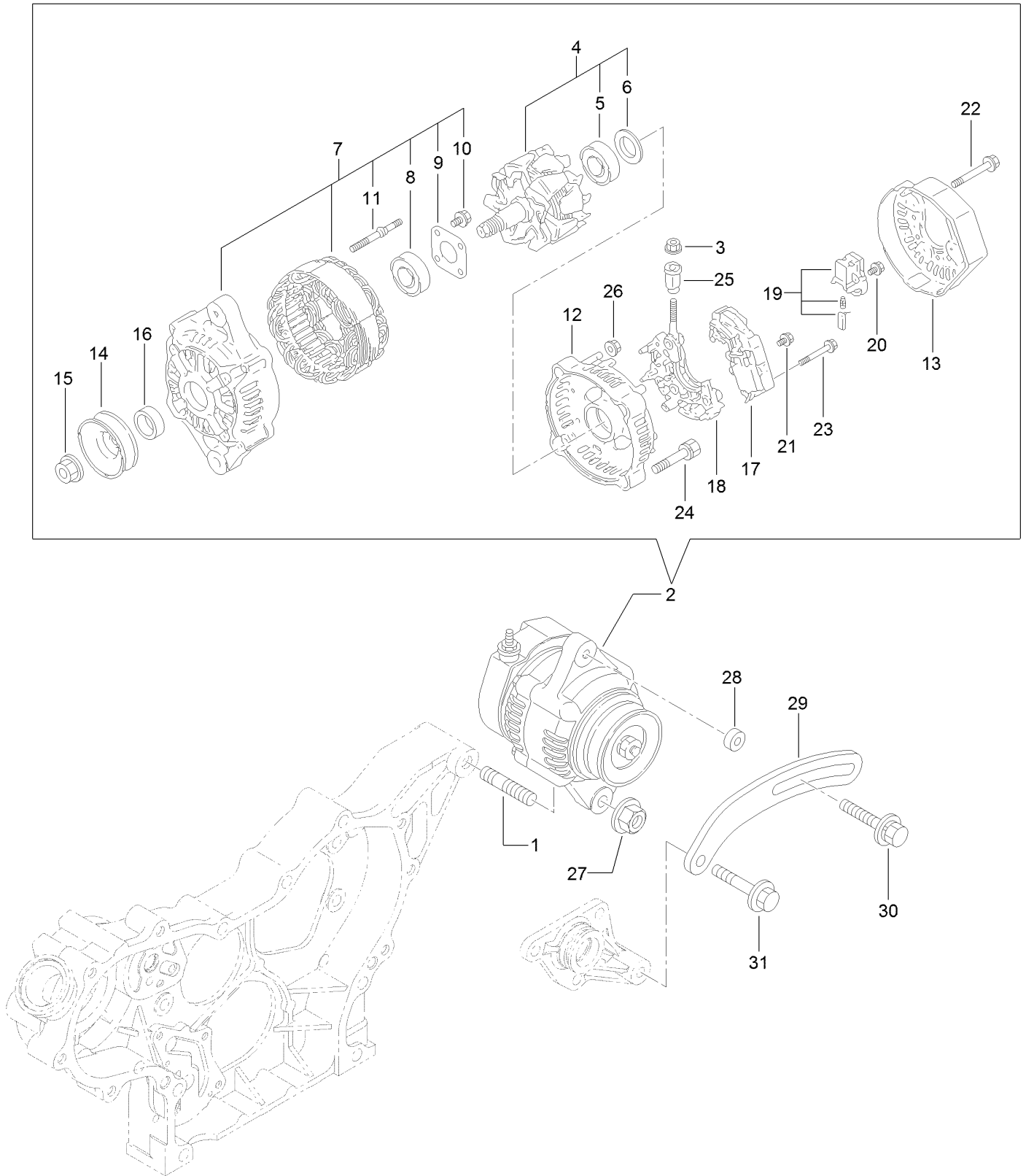


Starting Motor Assembly (continued)

<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

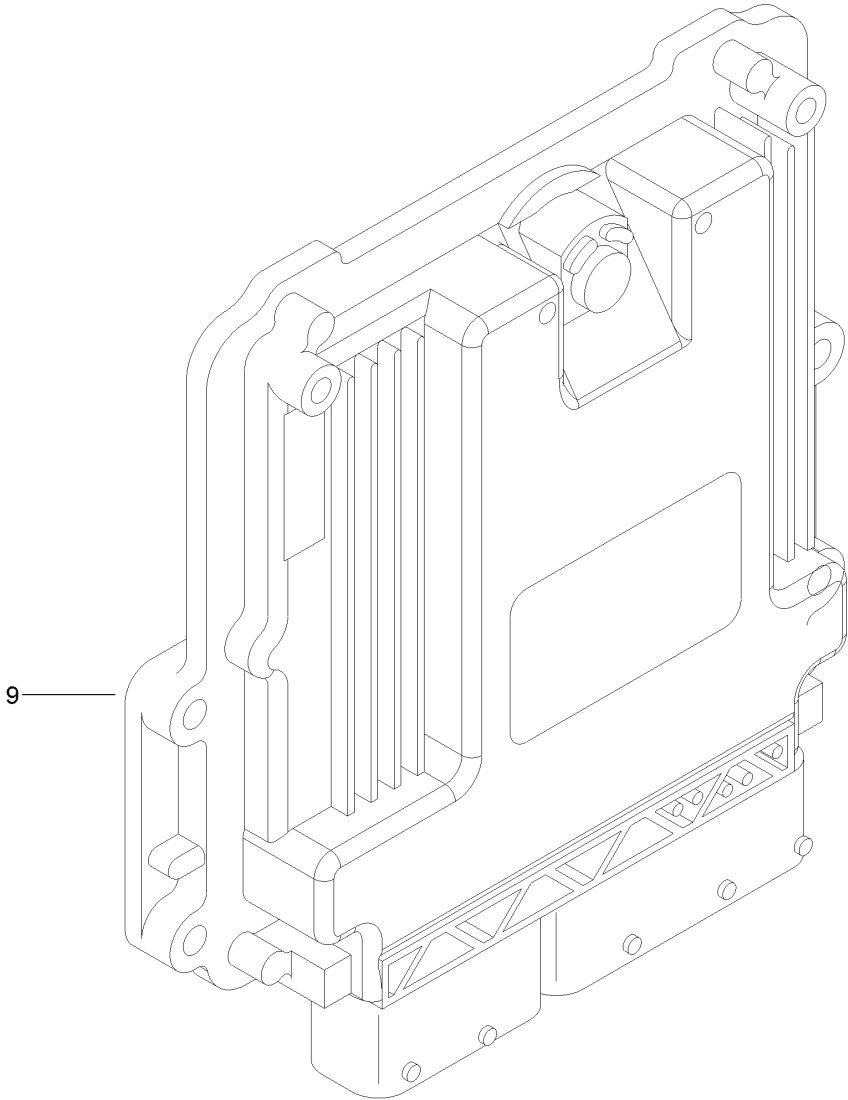
Generator Assembly



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	135-4026	1	Regulator ASM
2	139-6018	1	Generator	18	127-3848	1	Holder
3	127-3190	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	135-4027	1	Bolt-Adjust
15	127-2955	1	Nut	31	125-7219	1	Bolt
16	127-2957	1	Collar				

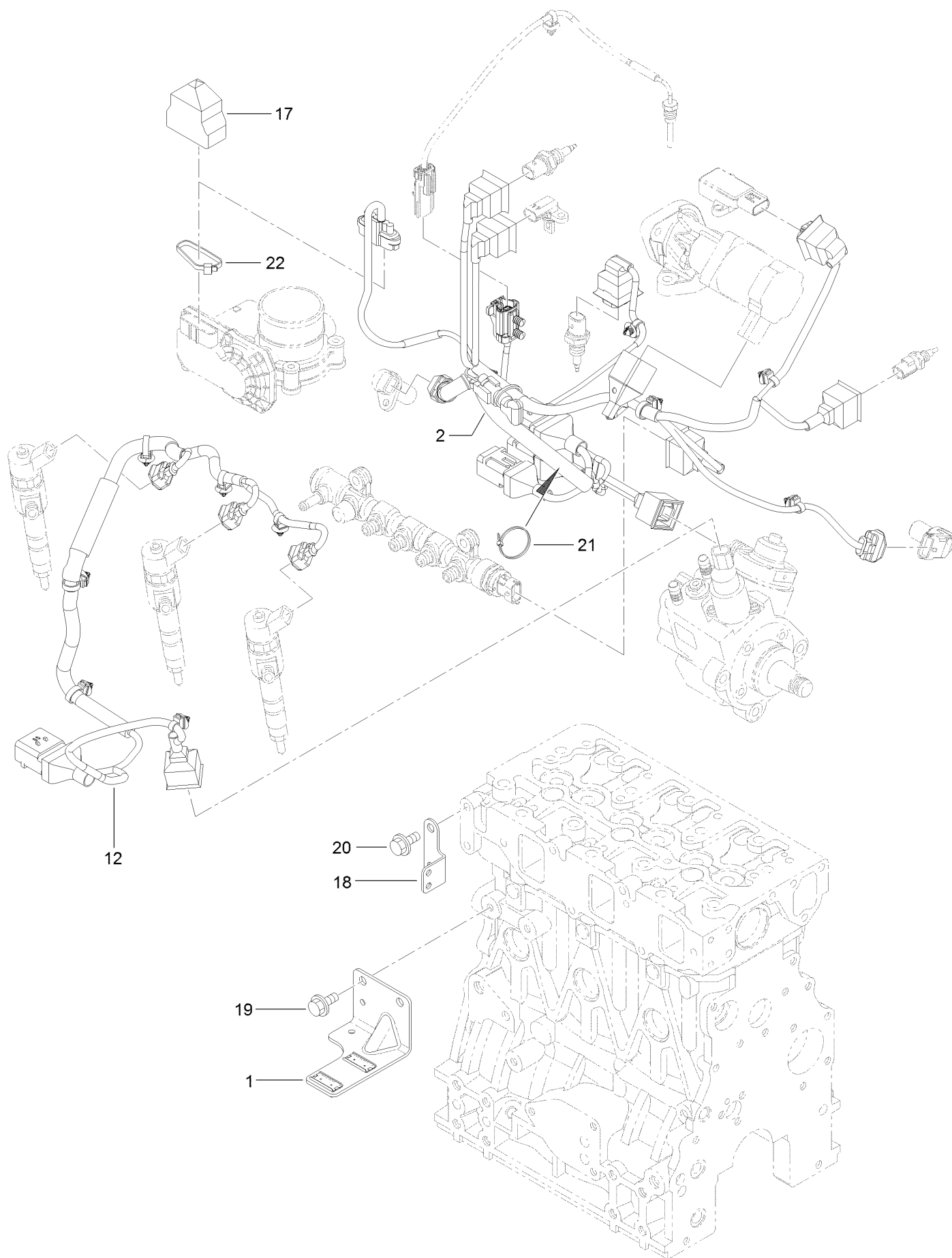
Electronic Control Unit Assembly



Electronic Control Unit Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
9	121-5592	1	Electronic Control Unit

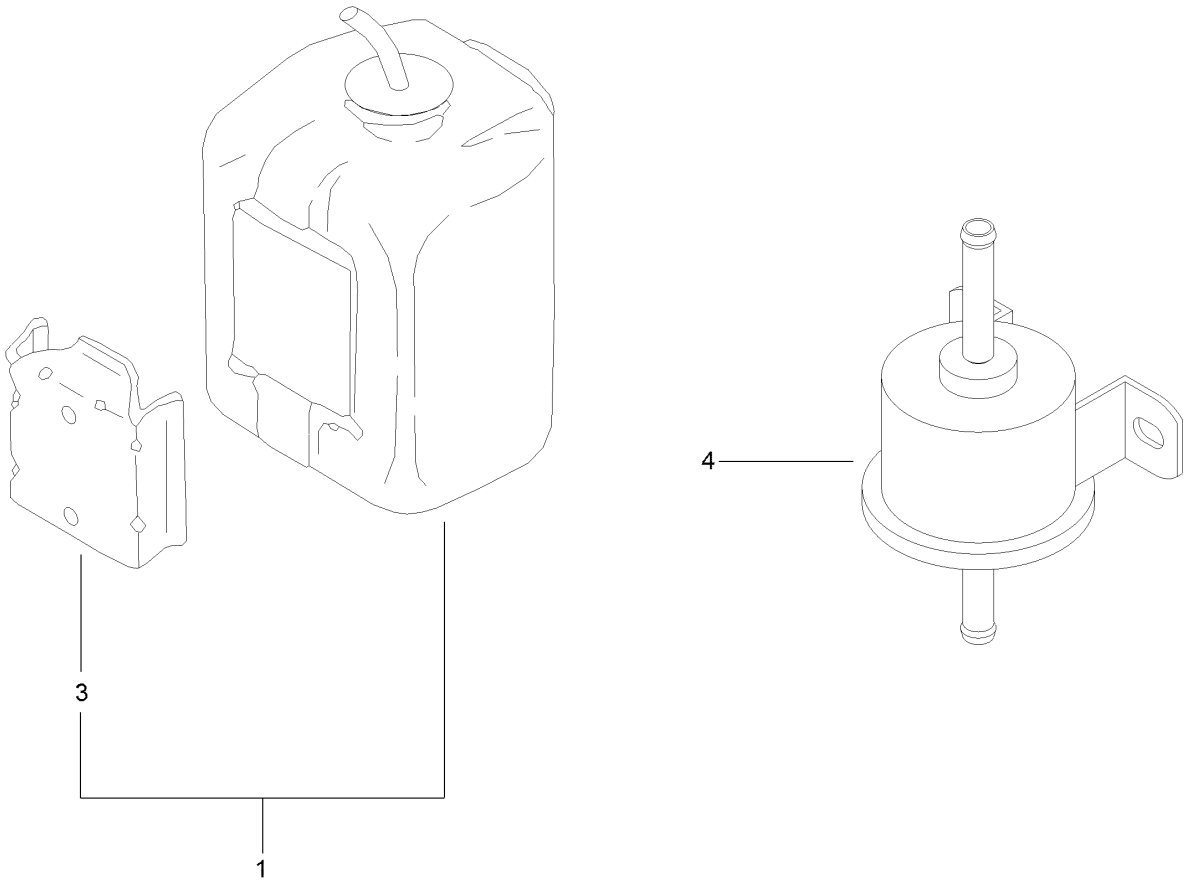
Electric Parts Assembly



Electric Parts 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	130-7436	1	Bracket-Connector	19	125-7213	2	Bolt
2	135-4029	1	Harness	20	125-7212	2	Bolt
12	130-7438	1	Harness	21	127-3187	1	Band
17	131-2713	1	Boot-Cap	22	127-3188	1	Band
18	127-3090	1	Bracket-Harness				

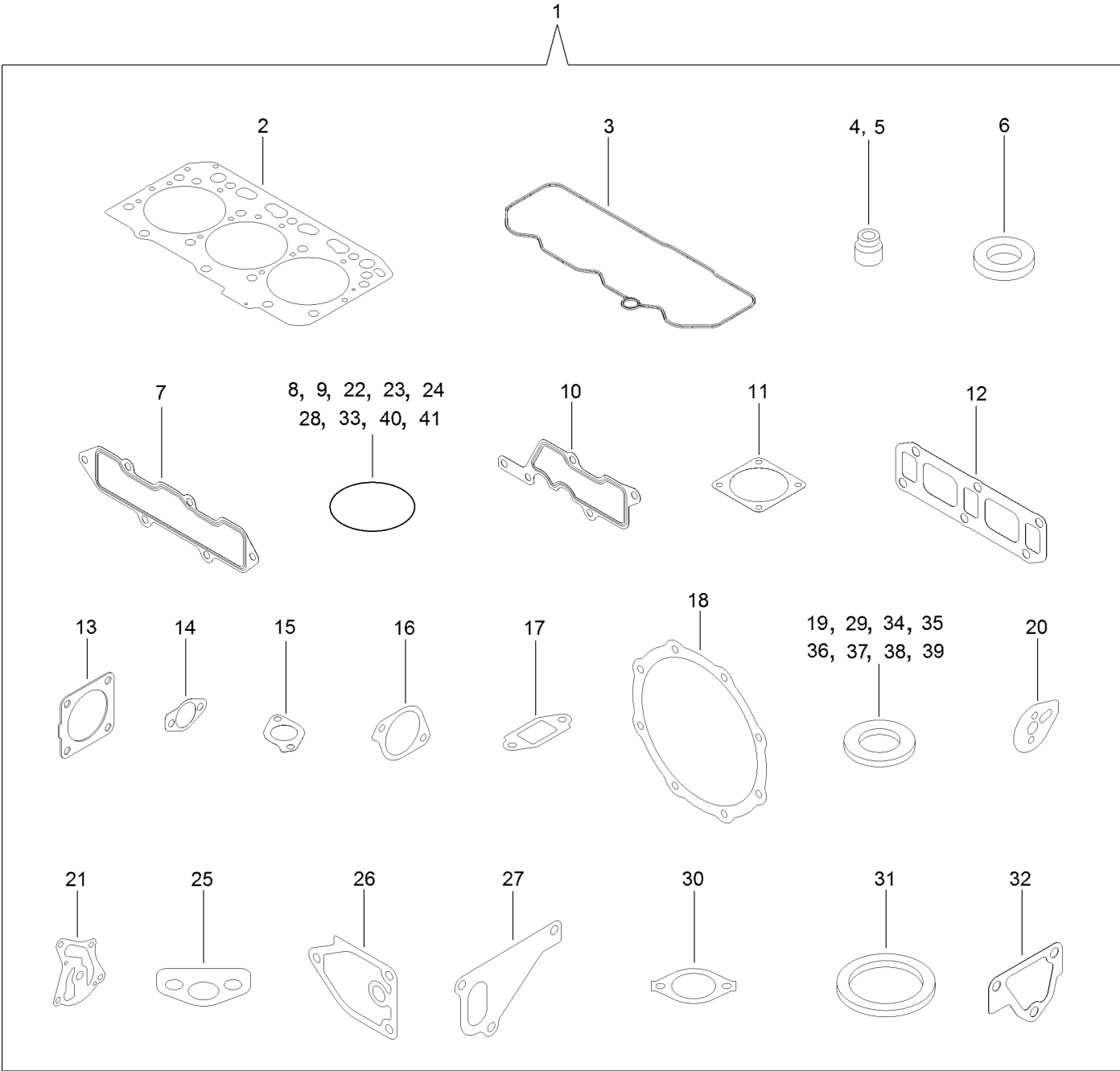
Accessory Assembly



Accessory Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-7185	1	Tank ASM
3	140-7165	1	Bracket-Tank
4	121-5613	1	Pump-Fuel, Electric

Gasket Set



Gasket Set (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	130-7440	1	Packing (Gasket Set)	21	127-3004	1	Gasket
2	127-4716	1	Head Gasket ASM	22	125-6909	2	O-Ring
3	127-3762	1	Gasket-Cover, Cylinder Head	23	127-2973	1	O-Ring
4	127-2986	3	Seal-Stem, Valve	24	125-7075	1	O-Ring
5	127-3027	3	Seal-Stem, Valve	25	125-7022	1	Gasket
6	127-3021	3	Gasket-Injector	26	125-7024	1	Gasket
7	127-3769	1	Gasket-Manifold, Intake	27	125-7047	1	Gasket
8	127-3032	2	O Ring-Sensor, Pressure	28	125-7048	1	O-Ring
9	127-3033	1	O-Ring	29	125-6979	1	Gasket
10	127-3034	1	Gasket-Collector	30	125-7110	1	Gasket
11	127-3037	2	Gasket-Throttle	31	125-7026	1	Gasket
12	127-3775	1	Gasket-Manifold, Exhaust	32	125-6978	1	Gasket
13	127-2987	1	Gasket-Silencer	33	127-3074	1	O-Ring
14	127-3043	2	Gasket-Cooler, E G R	34	125-7174	1	Washer-Seal
15	127-3016	1	Gasket	35	125-7176	1	Washer-Seal
16	127-3050	1	Gasket-Intake Valve, E G R	36	127-3166	2	Washer-Seal
17	127-3051	1	Gasket-Out Valve, E G R	37	125-7177	1	Washer-Seal
18	127-3787	2	Gasket-D P F	38	125-7192	1	Gasket
19	127-3056	4	Gasket-Sensor	39	127-3174	2	Gasket
20	127-3069	1	Gasket-Idle, Shaft B	40	138-7829	3	O-Ring
				41	125-7197	2	O-Ring

Attachments and Accessories

For 31903A Groundsmaster 3310 All-Wheel Drive Traction Unit

Product Name	Model/Part
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
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
Exterior Mirror Kit.....	130-5448
Interior Mirror Kit.....	130-5449
PX Hydraulic Fluid (5 Gal)	133-8086
PX Hydraulic Fluid (55 Gal).....	133-8087
Wrench-Caster Cap/Latch	138-6367
Storage Bag Kit.....	139-2020
SMV Kit.....	139-2339
Filter-Fuel	139-6017
Power Harness Kit	140-1559
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
Kit-Blade-24.50 Low Flow 3pk	144-3962
Kit-Blade-24.50 Recycler 3pk	144-3963
Kit-Blade-20.50 Low Flow 3pk	144-3964
Kit-Blade-20.50 Recycler 3pk	144-3965
Kit-Blade-24.50 Atomic 3pk	144-3966
Kit-Blade-20.50 Atomic 3pk	144-3967
Slope Sensor Kit.....	31952
CE Kit, Groundsmaster 3200 or 3300 Series Traction Unit.....	31953
CE Kit, Groundsmaster 3200 or 3300 Series 60in Side Discharge Rotary Mower.....	31957
CE Kit, Groundsmaster 3200 or 3300 Series 72in Side Discharge Rotary Mower.....	31958
CE Kit, Groundsmaster 3200 or 3300 Series 60in Rear Discharge Rotary Mower	31959
CE Kit, Groundsmaster 3200 or 3300 Series 72in Rear Discharge Rotary Mower	31960
Auxiliary HYD Kit	31966
60in SD Deck.....	31970

Attachments and Accessories (continued)

60in RD Deck.....	31971
72in SD Deck.....	31972
72in RD Deck.....	31973
60in RD Deck, T2	31974
72in RD Deck, T2	31975
Recycler Kit 60in/152cm SD	31976
Recycler Kit, 60In/152cm RD	31977
Recycler Kit, 72In/183cm SD	31978
Recycler Kit, 72In/183cm RD.....	31979
Storage Box Kit.....	31983
USB Charging Kit.....	31984
Recycler Kit 60in/152cm Rd T2.....	31985
Recycler Kit 72in/183cm Rd T2.....	31986
Road Light Kit (North America)	31991
Road Light Kit (EU).....	31992
LED Work Light Kit.....	31993
Accessory Control Kit	31994
Led Beacon Kit	31996
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



Count on it.