



Form No. 3416-345 Rev B

Count on it.

Parts Catalog

2226 Directional Drill

Model No. 23803—Serial No. 400000000 and Up



Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

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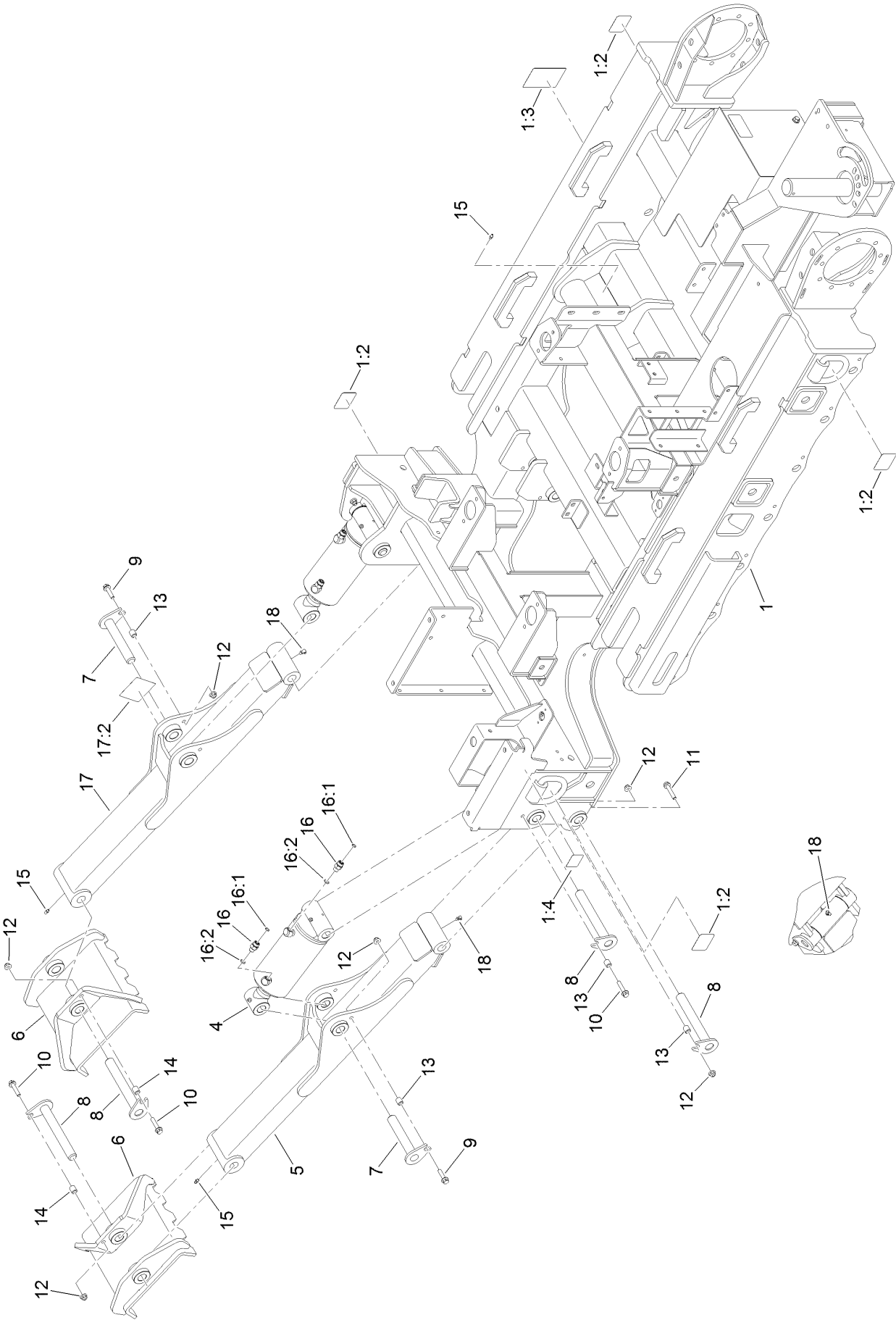
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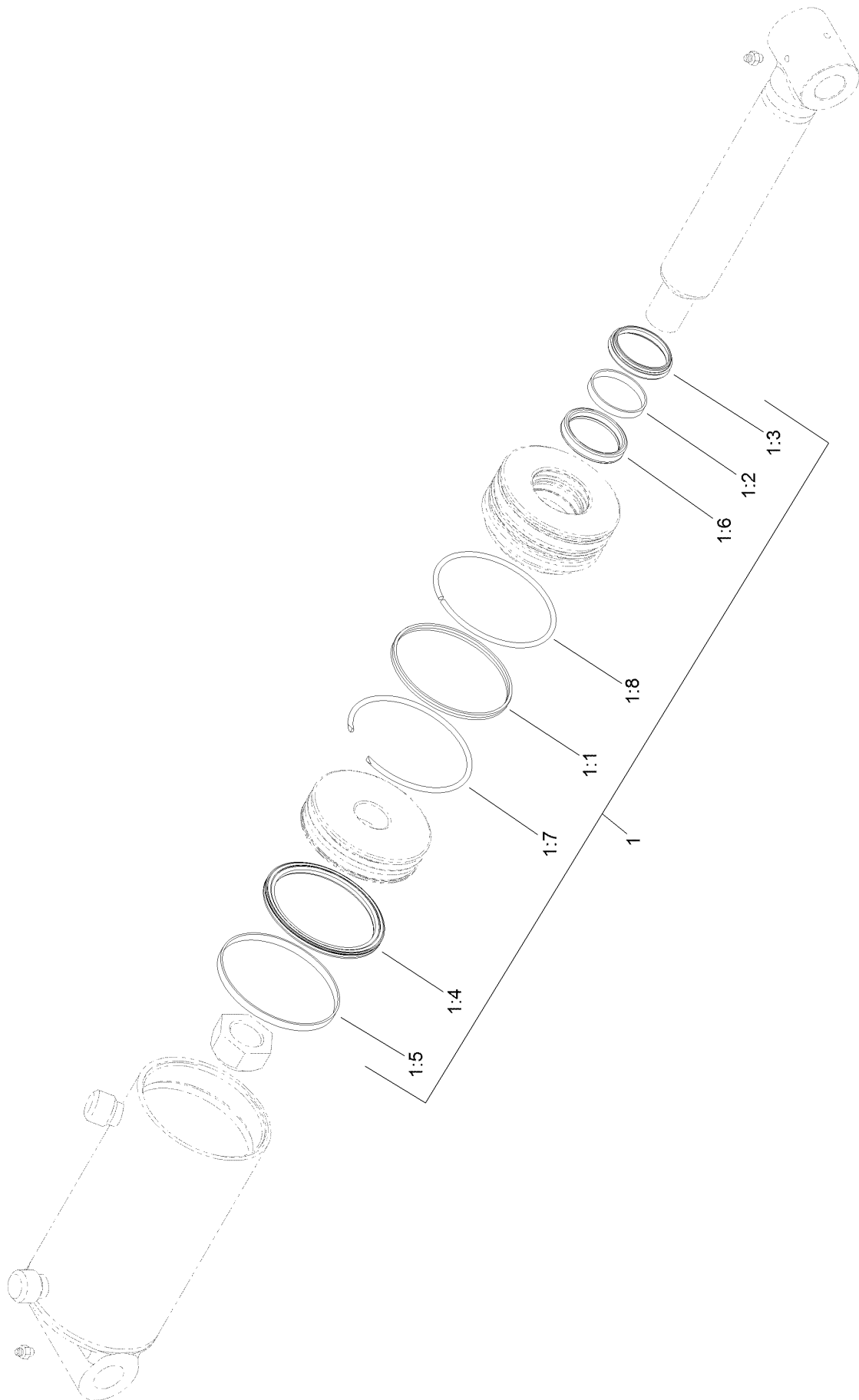
Frame Assembly



Frame 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	131-0128	1	Main Frame ASM	11	108-3742	2	Screw-HHF
1:2	125-6694	4	Decal-Tie Down	12	104-8301	8	Nut-HF, NI
1:3	137-7167	1	Decal-Warning, Thrown Objects	13	136-1461	6	Spacer
1:4	127-1829	1	Decal-Drain, Oil	14	136-1462	2	Spacer
4	133-6138	2	Hydraulic Cylinder ASM	15	302-5	3	Fitting-Grease
5	133-9550-01	1	Leg-Stabilizer	16	340-2	4	Fitting-Straight
6	133-9551-03	2	Foot-Stabilizer, LH	16:1	237-22	1	O-Ring
7	136-8919	2	Pin-Pivot	16:2	237-42	1	O-Ring
8	133-9665	6	Pin-Flag	17	138-1263	1	LH Stabilizer Leg ASM
9	114-4681	2	Screw-HHF	17:2	125-6107	1	Decal-Warning, Crushing
10	3234-19	4	Screw-HHF	18	302-60	2	Fitting-Grease

Hydraulic Cylinder Assembly No. 133-6138



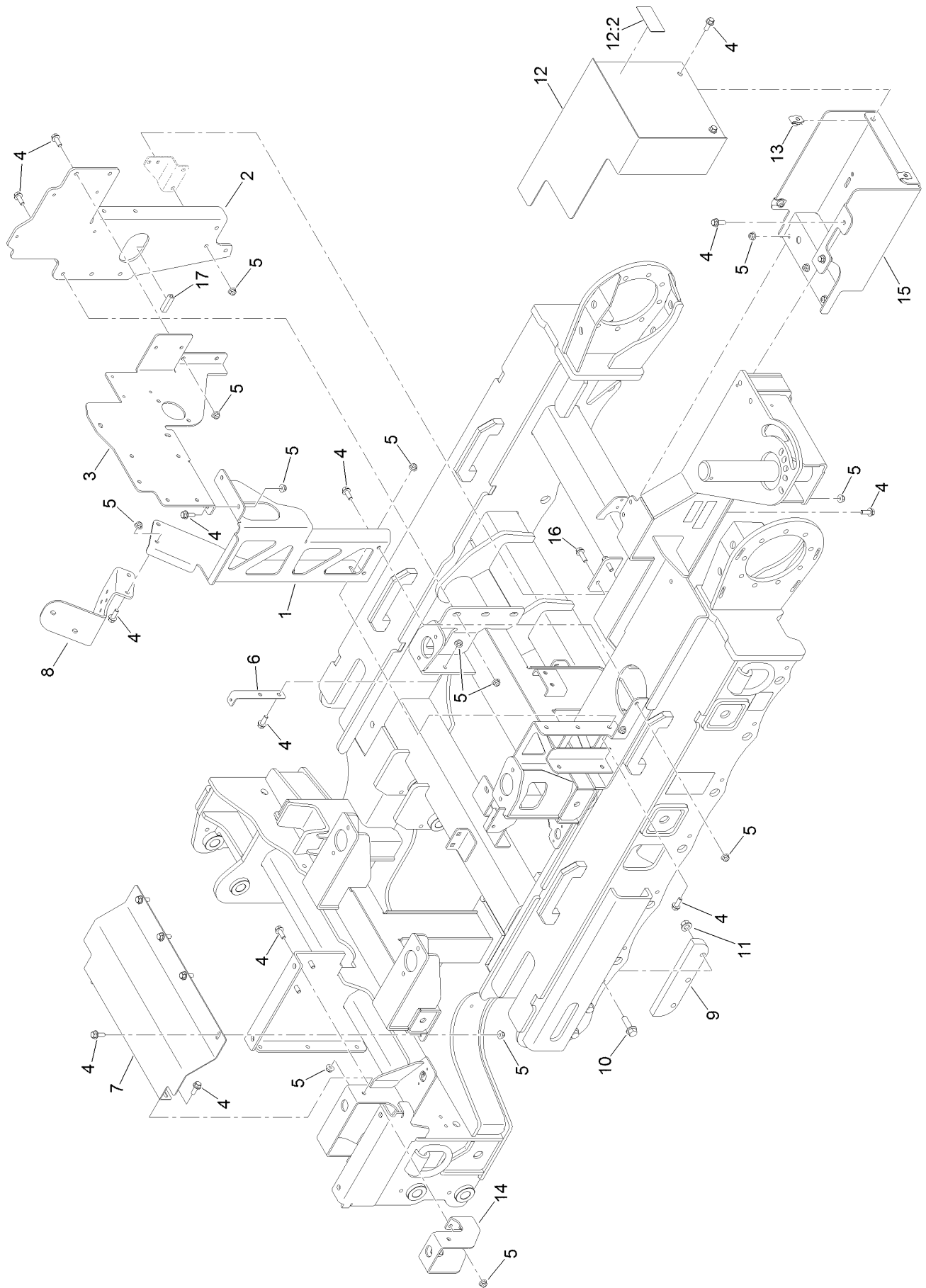
Hydraulic Cylinder Assembly No. 133-6138 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5218	1	Seal Repair Kit
1:1		1	Seal-Dual ●
1:2		1	Seal-Rod ●
1:3		1	Wiper-Rod ●
1:4		1	Seal-Piston ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:5		1	Ring-Wear, Piston ●
1:6		1	Ring-Wear, Rod ●
1:7		1	Ring-Retaining, Internal ●
1:8		1	Ring-Retaining, External ●

● Not serviced separately

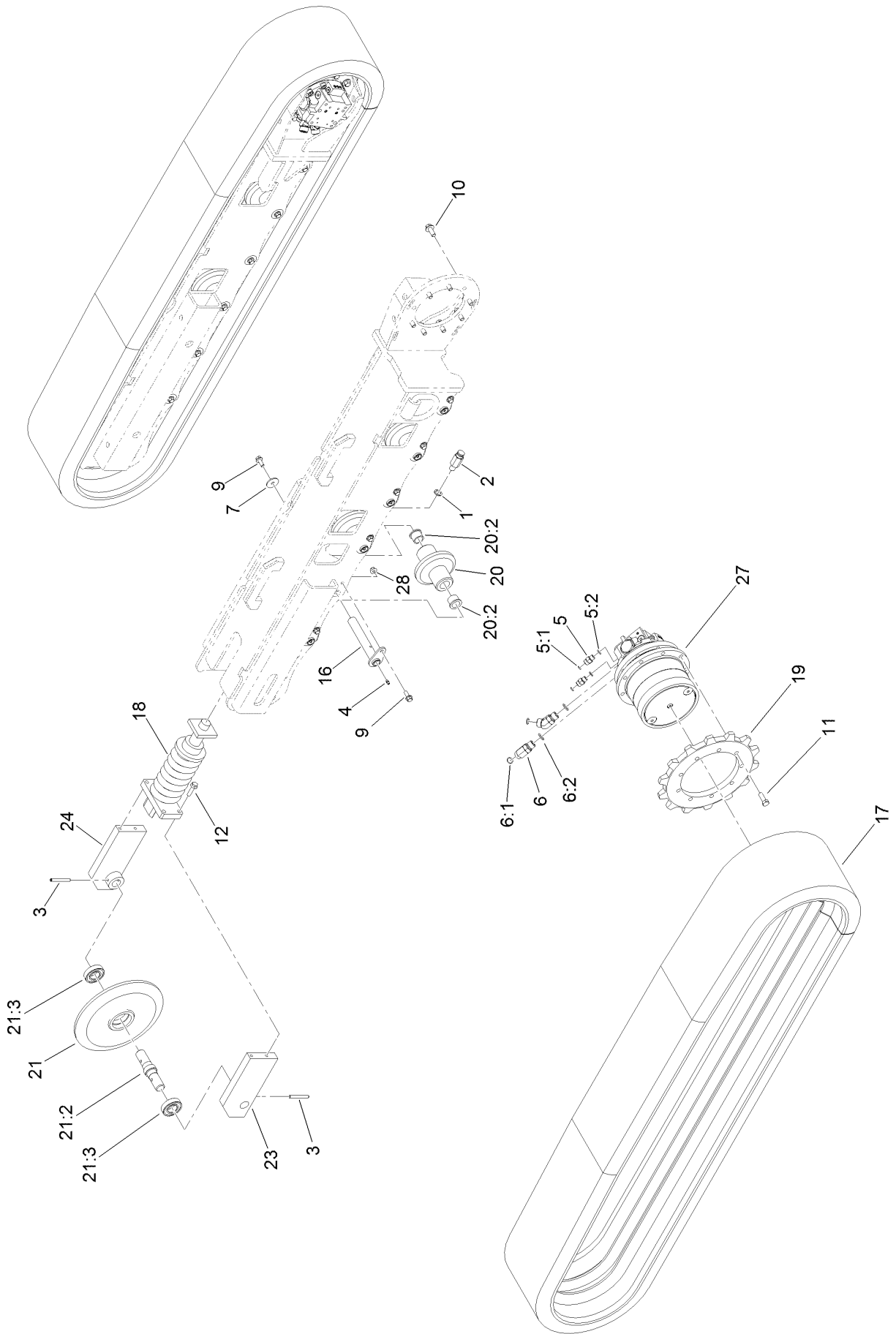
Main Frame Assembly No. 131-0128



Main Frame Assembly No. 131-0128 (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	133-9626-03	1	Vertical Support-Panel, Electical	10	130-6481	12	Screw-HHF
2	136-6818-03	1	Plate-Mount, Ecu	11	99-5107	12	Nut-Lock
3	137-8370-03	1	Panel-Electrical, Front	12	137-5293	1	Cover-Battery
4	3234-42	35	Screw-HHF	12:2	125-8473	1	Decal-Warning, Battery
5	104-8301	34	Nut-HF, NI	13	105-4886	3	Nut-Tinnerman
6	122-1008	1	Bracket-Clip, Harness	14	136-6015-03	1	Gusset-Track
7	136-1553-03	1	Plate-Recirculation	15	137-1770-03	1	Cover-Battery, Lower
8	133-9479-03	1	Plate-Mount, Top	16	119-4061	2	Screw-HHF
9	136-6014-03	4	Plate-Tensioner, Slider	17	70-2040	1	Trim

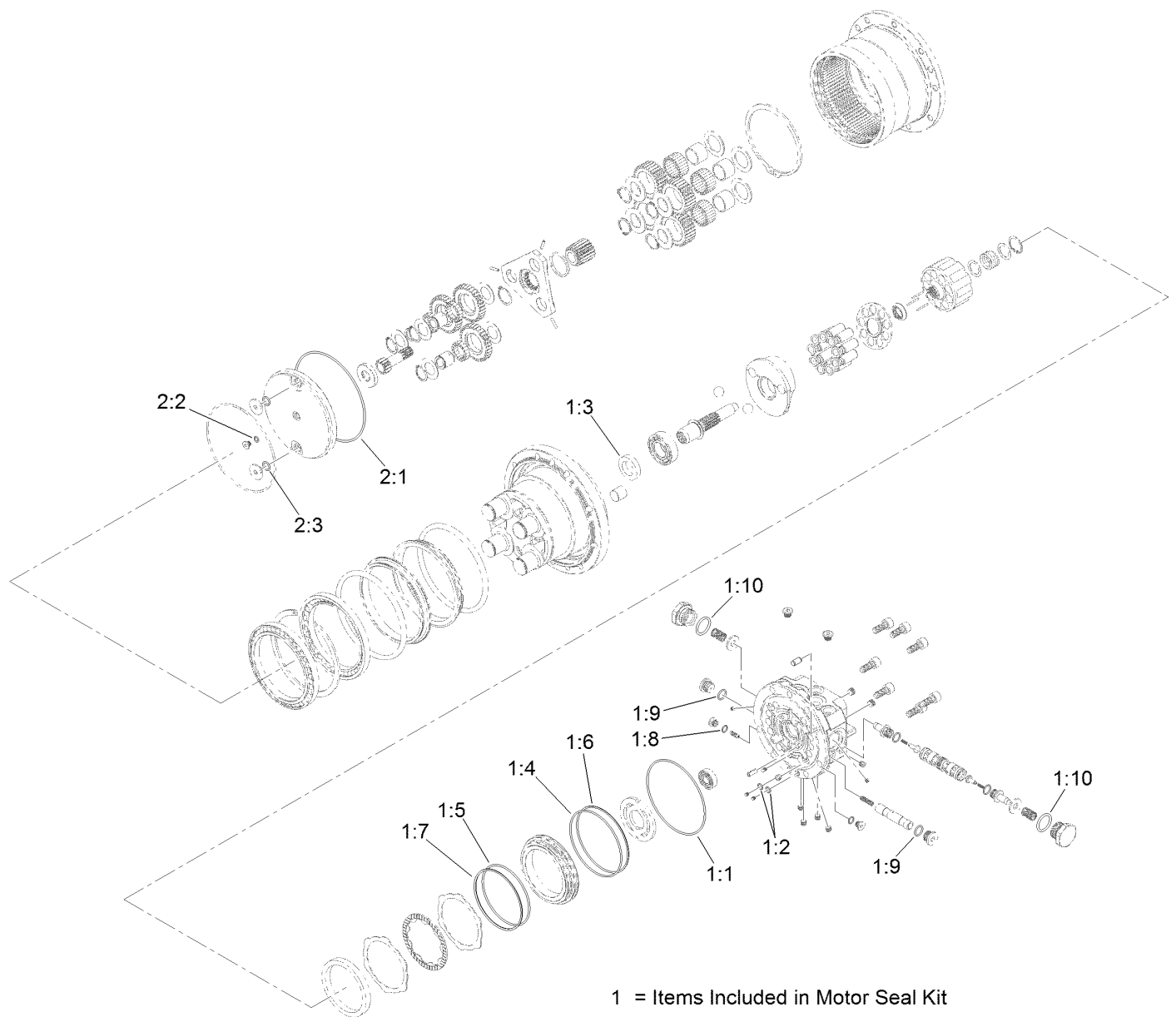
Track Assembly



Track 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	AU30-807L-1059	2	Seal-O Ring	16	133-9604	12	Pin-Flag ASM
2	AU30-807L-1060	2	Valve-Grease	17	AU12GB2411	2	Track-Rubber
3	AU38-12044	4	Pin-Spring	18	AU12GB2412	2	Tensioner-Track, Spring/Grease
4	302-57	12	Fitting-Grease	19	AU12GB2424-03	2	Sprocket-Drive, Track
5	340-2	4	Fitting-Straight	20	127-0963	12	Idler ASM
5:1	237-22	1	O-Ring	20:2	AU8CF90016	2	Bearing-Plain, Flanged
5:2	237-42	1	O-Ring	21	127-0964	2	Idler ASM
6	340-14	4	Fitting-HYD, 45 DEG	21:2	AU12GB2461	1	Pin-Mount, Idler
6:1	237-65	1	O-Ring	21:3	AU8CF40021	2	Bearing-Ball
6:2	237-80	1	O-Ring	23	AU12GB2476-03	2	Bracket-Idler, Right
7	103470	12	Washer	24	AU12GB2477-03	2	Bracket-Idler, Left
9	131-2220	24	Screw-HHF	27	AU8GB85014	2	Planetary Gearbox ASM
10	33106-030	18	Screw-HHF	28	104-8301	12	Nut-HF, NI
11	33116-035	18	Screw-HH				
12	33105-040	8	Screw-HHF				

Planetary Gearbox Assembly No. AU8GB85014



- 1 = Items Included in Motor Seal Kit
2 = Items Included in Gearbox Seal Kit

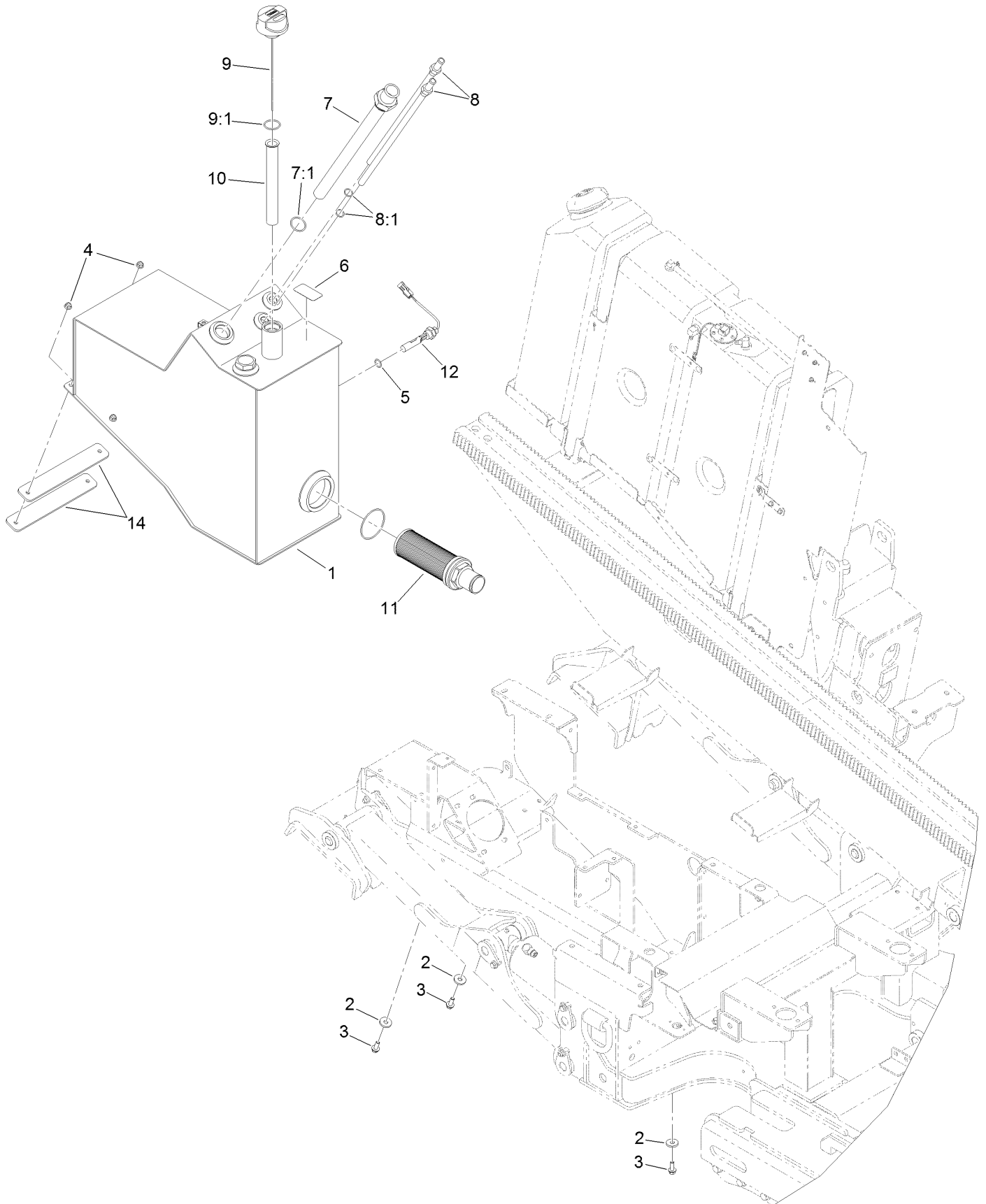
Planetary Gearbox Assembly No. AU8GB85014 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-6195	1	Motor Seal Kit
1:1		1	O-Ring ●
1:2		2	O-Ring ●
1:3		1	Seal-Oil ●
1:4		1	O-Ring ●
1:5		1	O-Ring ●
1:6		1	Ring-Back Up ●
1:7		1	Ring-Back Up ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:8		2	O-Ring ●
1:9		2	O-Ring ●
1:10		2	O-Ring ●
2	130-4599	1	Gearbox Seal Kit
2:1		1	O-Ring ●
2:2		2	O-Ring ●
2:3		1	O-Ring ●

● Not serviced separately

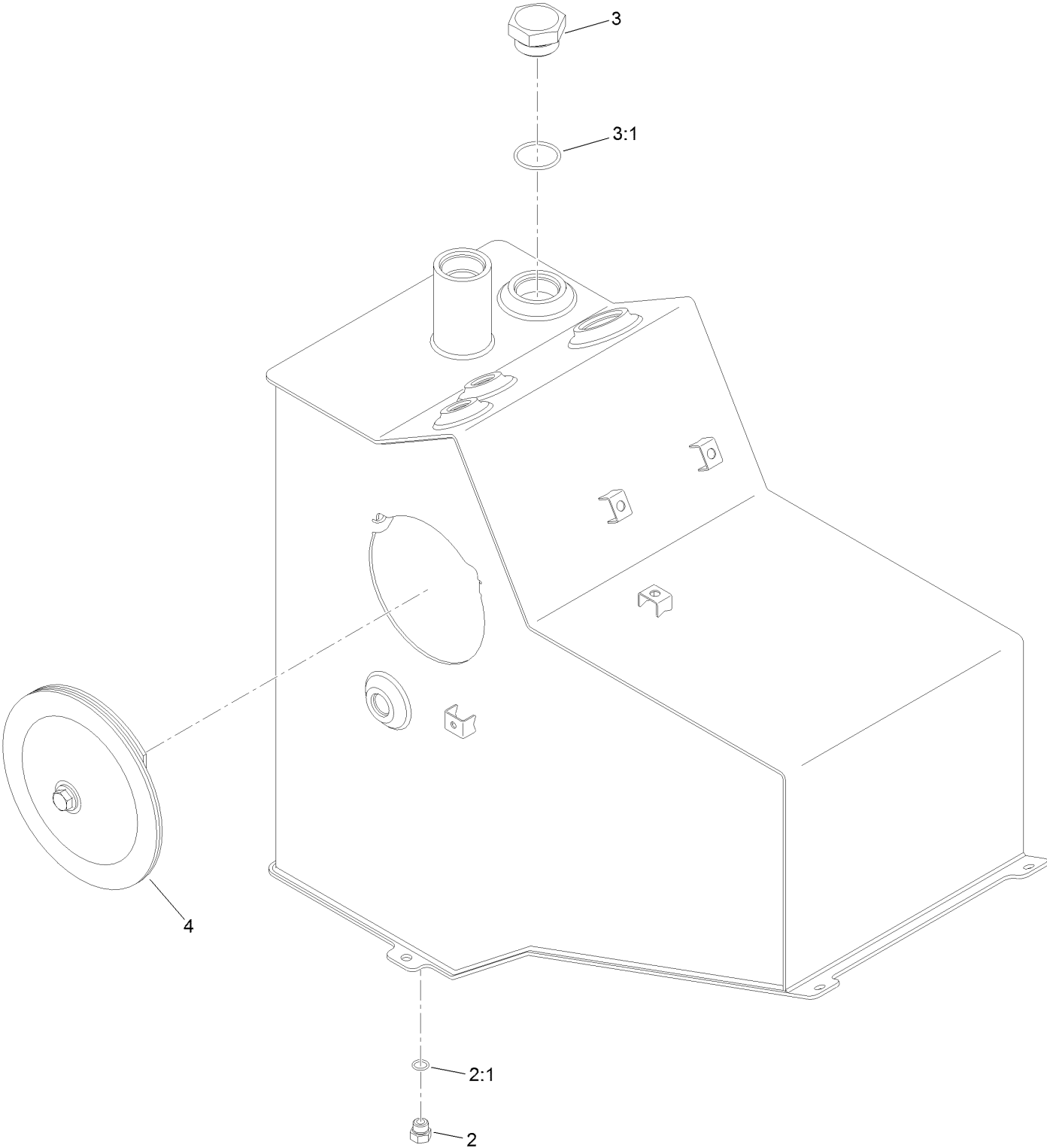
Hydraulic Fuel Tank and Fitting Assembly



Hydraulic Fuel Tank and Fitting 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	136-6052	1	Hydraulic Tank ASM	8	133-6321	2	Drop Tube ASM
2	114-4681	2	Screw-HHF	8:1	237-80	1	O-Ring
3	3234-42	1	Screw-HHF	9	133-6299	1	Cap-Filler, Breather
4	104-8301	3	Nut-HF, NI	9:1	237-101	1	O-Ring
5	237-80	1	O-Ring	10	133-6312	1	Screen-Fill, Hydraulic
6	125-8483	1	Decal-HYD Fluid	11	133-6298	1	Strainer-Suction
7	133-6322	1	Drop Tube ASM	12	83-1450	1	Sensor-Level, Oil
7:1	237-101	1	O-Ring	14	137-8375-03	2	Strap-Spacer

Hydraulic Tank Assembly No. 136-6052

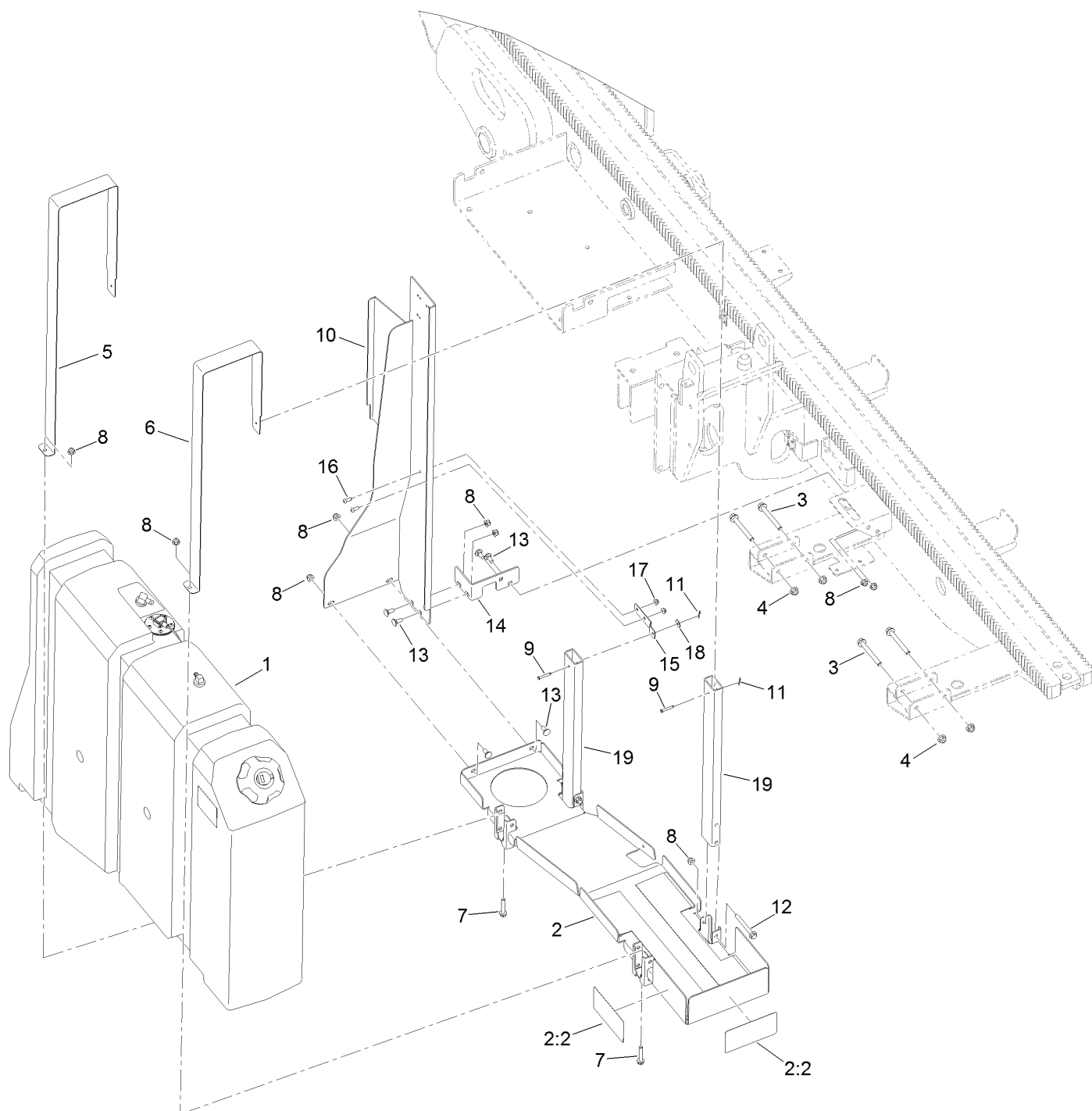


Hydraulic Tank Assembly No. 136-6052 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	353-508	1	Plug-HH
2:1	237-42	1	O-Ring
3	108-8468	1	Plug-HH

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:1	237-101	1	O-Ring
4	136-6059	1	Cleanout-Tank, Hydraulic

Fuel Tank Assembly

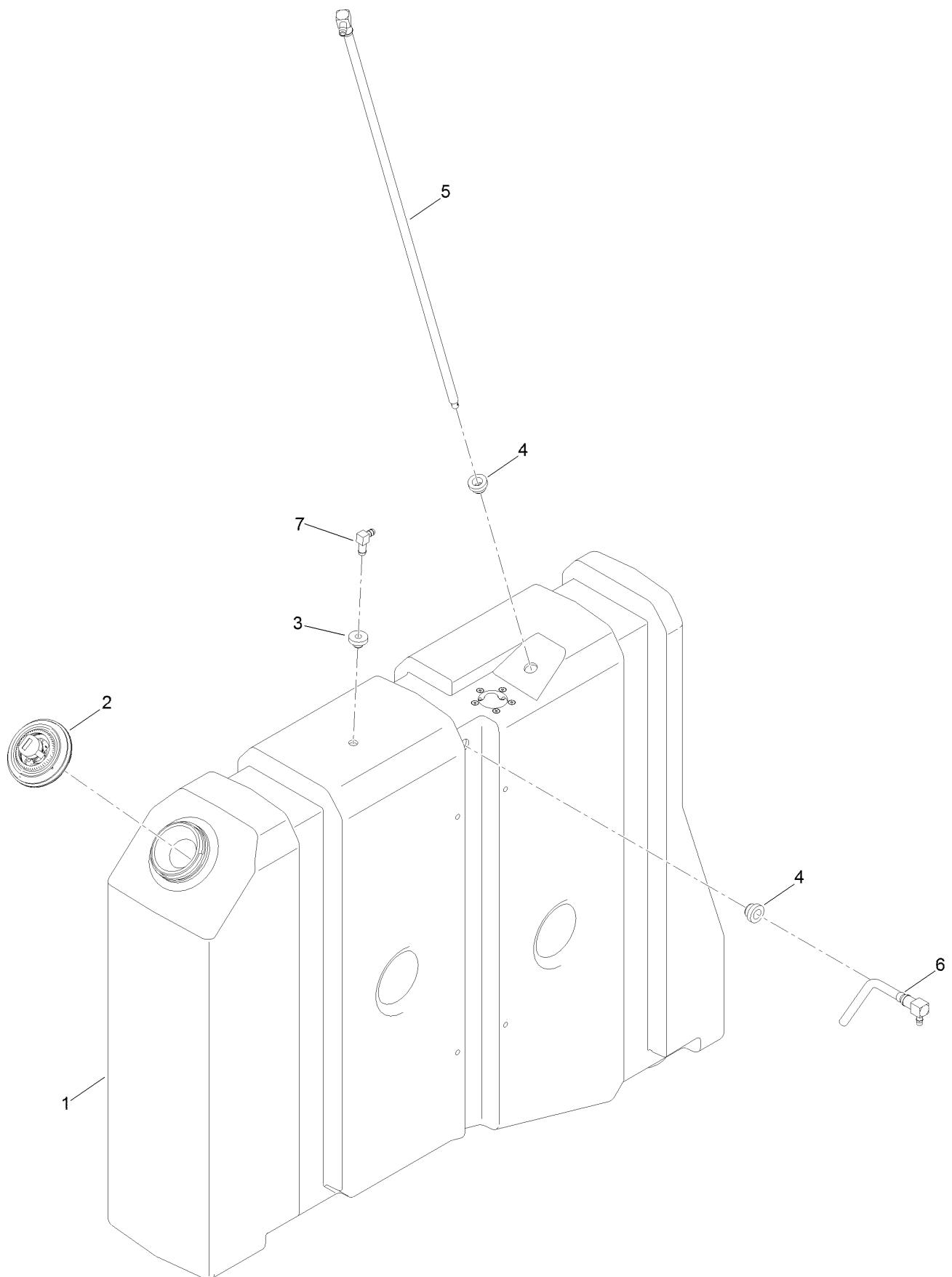


View Rotated 180° for Clarity

Fuel Tank 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	136-1572	1	Fuel Tank ASM	10	136-6857-03	1	Guard-Carriage
2	138-1262	1	Support-Tank, Fuel	11	3272-1	2	Pin-Cotter
2:2	137-7166	2	Decal-Danger, Crushing	12	126-4687	4	Screw-HHF
3	3234-41	4	Screw-HHF	13	126-0695	6	Screw-CARR
4	104-8301	4	Nut-HF, NI	14	137-1732-03	1	Mount-Shield
5	136-1591-03	1	Strap-Fuel Tank, Front	15	137-5271	1	Plate-Guard
6	136-1590-03	1	Strap-Fuel Tank, Rear	16	3274-31	2	Screw-HSBH
7	94-5780	2	Screw-HWH	17	104-7201	2	Nut-HF
8	104-8300	12	Nut-HF, NI	18	3256-61	1	Washer-Flat
9	133-8304	2	Clevis Pin	19	137-5239-03	2	Tube-Tank, Fuel

Fuel Tank Assembly No. 136-1572

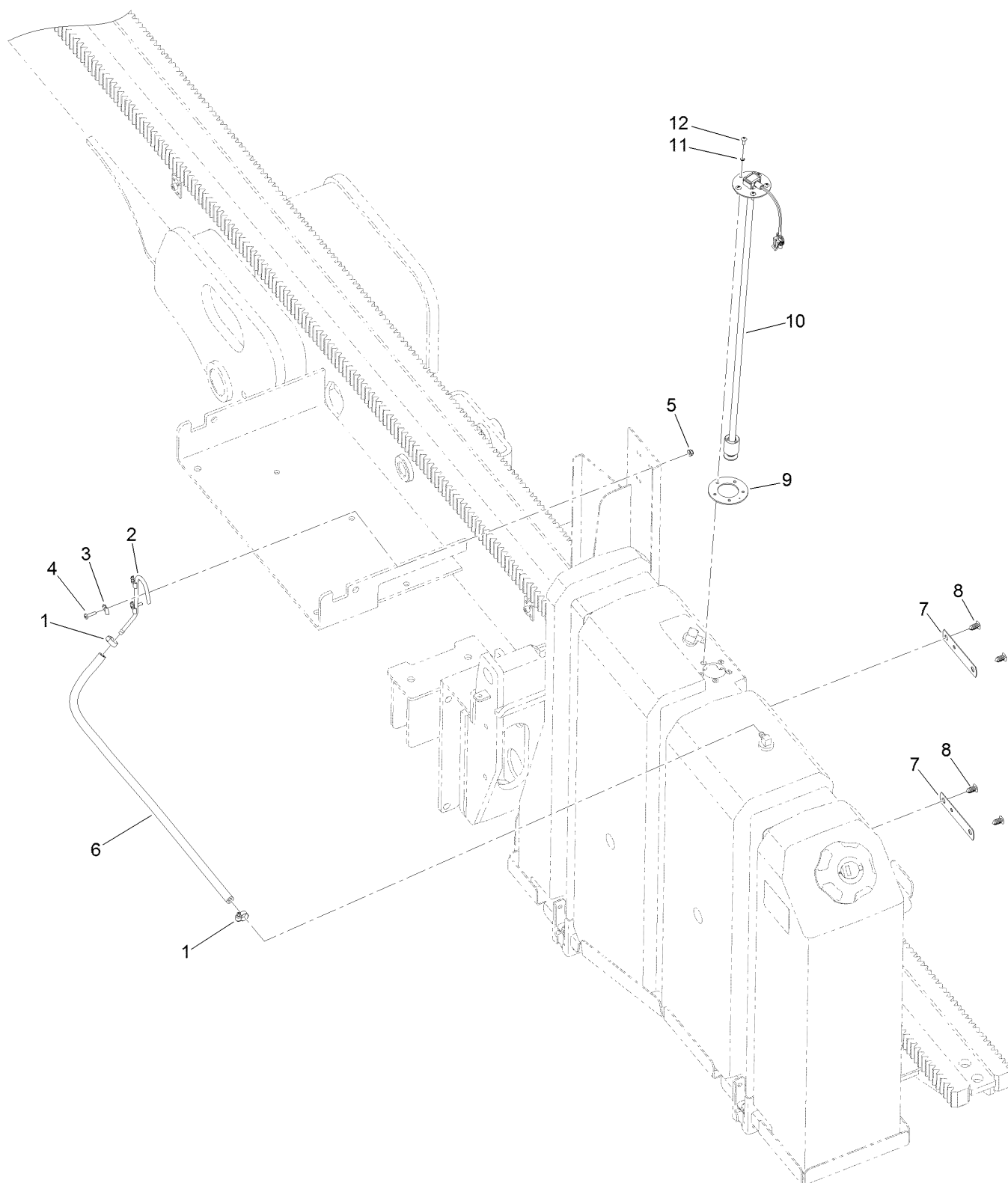


Fuel Tank Assembly No. 136-1572 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-9449	1	Tank-Fuel
2	126-4107	1	Cap-Fuel, Locking
3	46-6560	1	Bushing
4	104-0790	2	Bushing

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	136-6853	1	Pipe-Stand, Fuel
6	136-6854	1	Pipe-Stand, Return
7	46-6550	1	Fitting-Elbow, 90 DEG

Fuel Tank Fitting Assembly

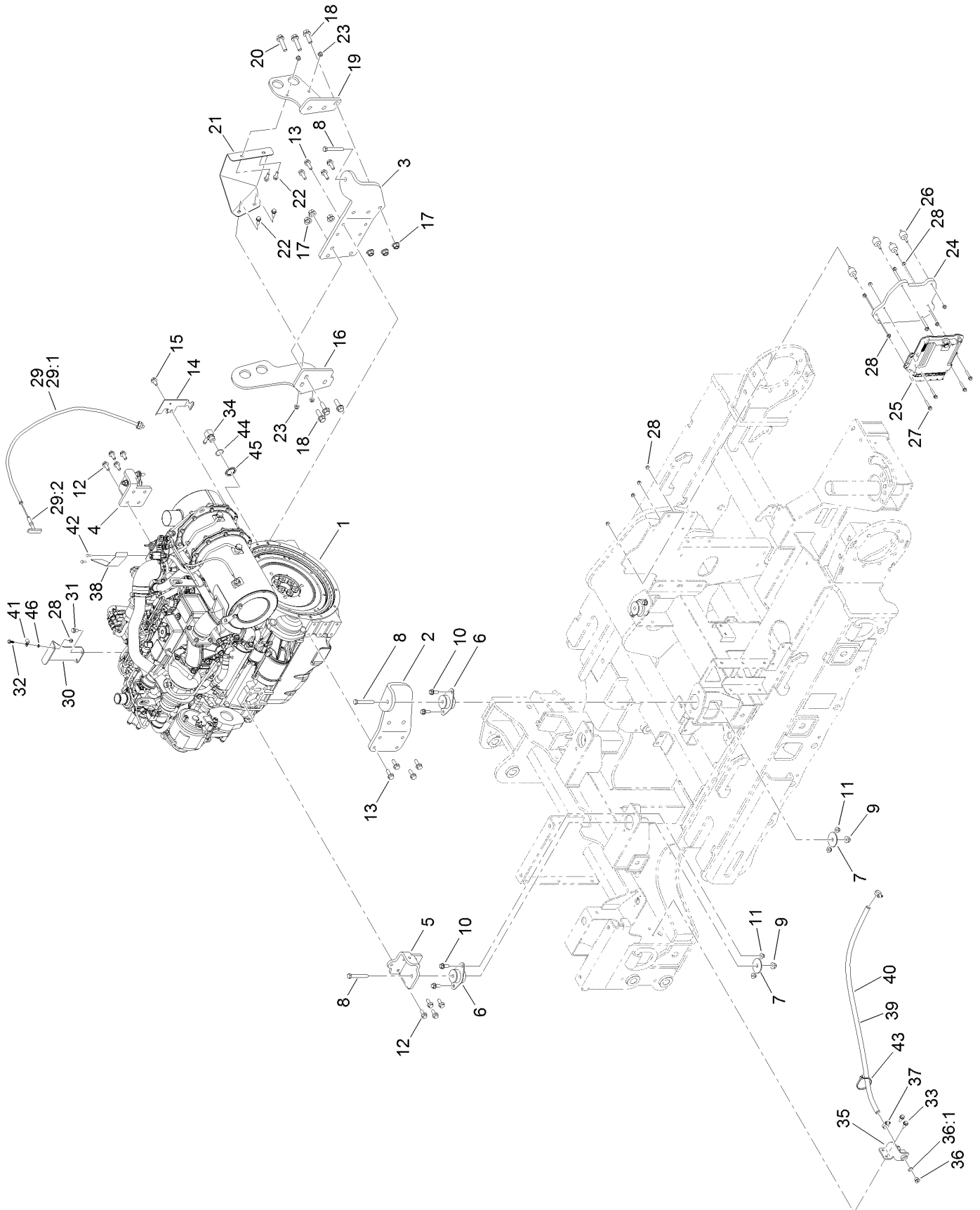


Fuel Tank Fitting Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	2412-108	2	Clamp-Worm
2	136-6859	1	Tube-Vent
3	121-8256	3	Clamp-Conduit
4	32105-13	3	Screw-HWH
5	120-4578	3	Nut-HF
6	136-1551	1	Hose-Tank, Expansion

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	136-6051	2	Plate-Guide, Hose
8	133-0875	4	Rivet-Push
9	121-1707	1	Gasket-Fuel, Viton
10	133-6326	1	Gauge-Fuel, Float
11	3253-15	5	Washer-Lock
12	32122-24	5	Screw-PTH

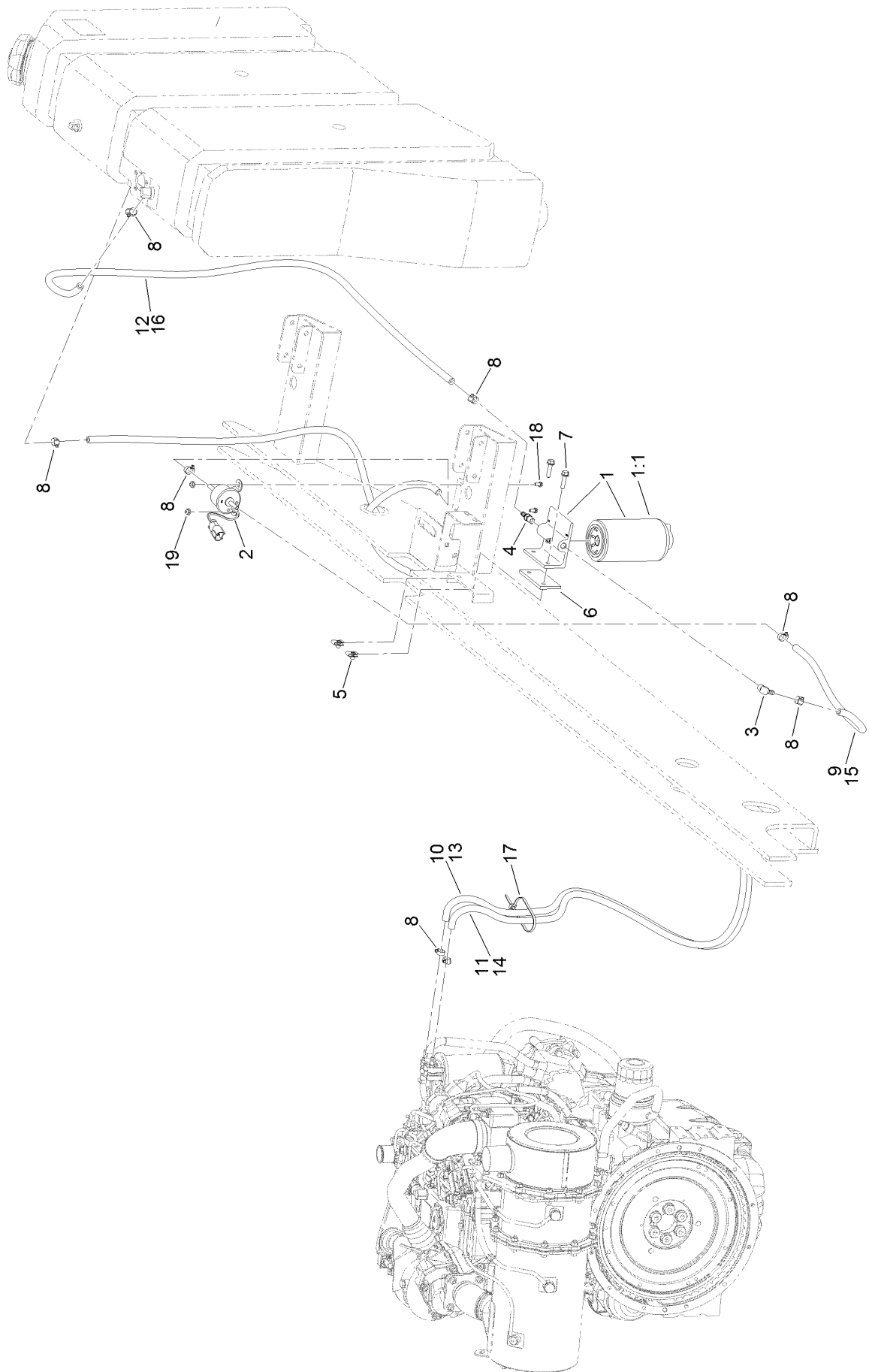
Engine and Mounting Assembly



Engine and Mounting 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	131-0100	1	Engine ASM	25	121-5592	1	Electronic Control Unit
2	131-8902-03	1	Bracket-Engine Mount, RH Front	26	132-1356	4	Mount-Isolator
3	138-1306-03	1	Bracket-Engine Mount, LH Front	27	94-5781	4	Screw-HHF
4	136-1543-03	1	Bracket, LH Rear	28	104-7201	13	Nut-HF
5	131-8904-03	1	Bracket, RH Rear	29	131-8910	1	Oil Dipstick ASM
6	130-2486	4	Mount-ISO	29:1	137-1791	1	Tube-Dipstick
7	87-5100	4	Washer-Snubbing	29:2	137-5230	1	Dipstick-Oil, Engine
8	324-12	4	Screw-HH	30	137-7143-03	1	Shield-Fuel Hose
9	114-8417	4	Nut-HF, NI	31	33104-016	3	Screw-HHF
10	3234-42	8	Screw-HHF	32	99-6810	1	Screw-HHF
11	104-8301	8	Nut-HF, NI	33	32104-32	2	Screw-HWH
12	33105-025	8	Screw-HHF	34	112-2404	1	Fitting-Barbed-90
13	33105-030	8	Screw-HHF	35	136-1582-03	1	Plug-Oil
14	132-9627	1	Bracket-Harness	36	353-989	1	Plug-Hex, Hollow
15	33105-020	1	Screw-HHF	36:1	237-42	1	O-Ring
16	136-8946-03	1	Bracket-Bulkhead, Upper	37	2412-36	2	Clamp-Hose
17	99-5107	6	Nut-Lock	38	137-5200	1	Plate-Sensor, Dpf
18	130-6482	4	Screw-HHF	39	136-1583	1	Hose-Oil Drain
19	138-1307-03	1	Bracket-Bulkhead, Lower	40	137-5273	1	Conduit-Fuel Line, Split
20	3234-27	2	Screw-HHF	41	138-5104	1	Clamp-R
21	136-8947-03	1	Bracket-Shield, Heat	42	33103-020	2	Screw-HHF
22	3234-29	4	Screw-HHF	43	3290-379	2	Tie-Cable
23	104-8300	4	Nut-HF, NI	44	237-58	1	O-Ring
24	136-6819-03	1	Plate-Weight, Ecu	45	125-7177	1	Washer-Seal
				46	3255-7	1	Washer-Lock/EXT

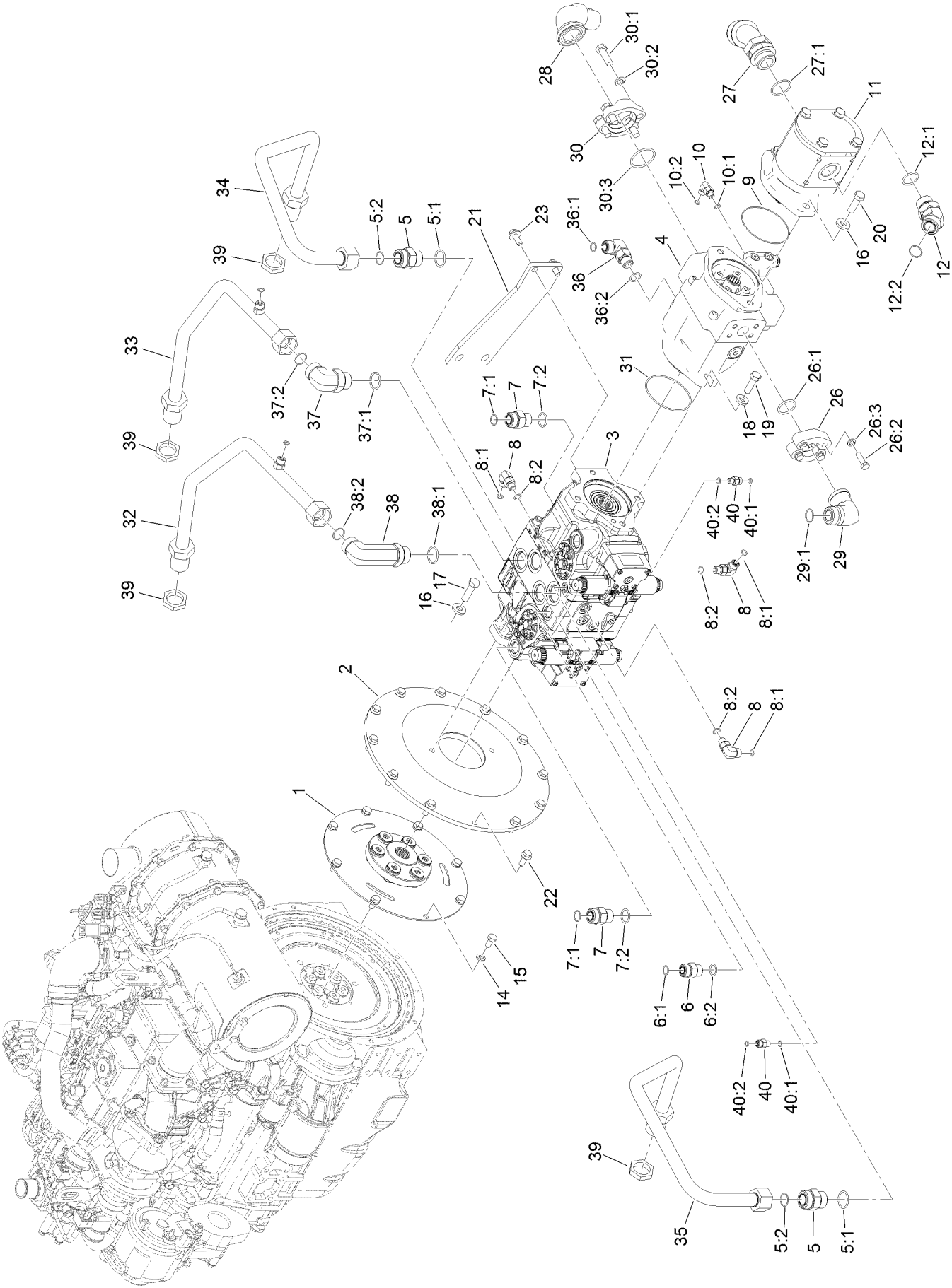
Fuel Pump Assembly



Fuel 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	125-2914	1	Separator Filter ASM	10	137-5240	1	Hose-Fuel
1:1	125-2915	1	Filter-Fuel/Water Separator	11	137-5241	1	Hose-Fuel
2	121-5613	1	Pump-Fuel, Electric	12	137-5242	1	Hose-Fuel
3	353-781	1	Fitting-Elb, 90	13	137-5243	1	Conduit-Fuel Line, Split
4	108-0342	1	Fitting-Straight	14	137-5244	1	Conduit-Fuel Line, Split
5	115-7721	2	Nut-Clip, U	15	137-5245	1	Conduit-Fuel Line, Split
6	137-5238-03	1	Plate-Spacer	16	137-5246	1	Conduit-Fuel Line, Split
7	119-4036	2	Screw-HHF	17	3290-378	2	Tie-Cable
8	2412-108	8	Clamp-Worm	18	99-6810	2	Screw-HHF
9	110-4109	1	Hose-Fuel	19	104-7201	2	Nut-HF

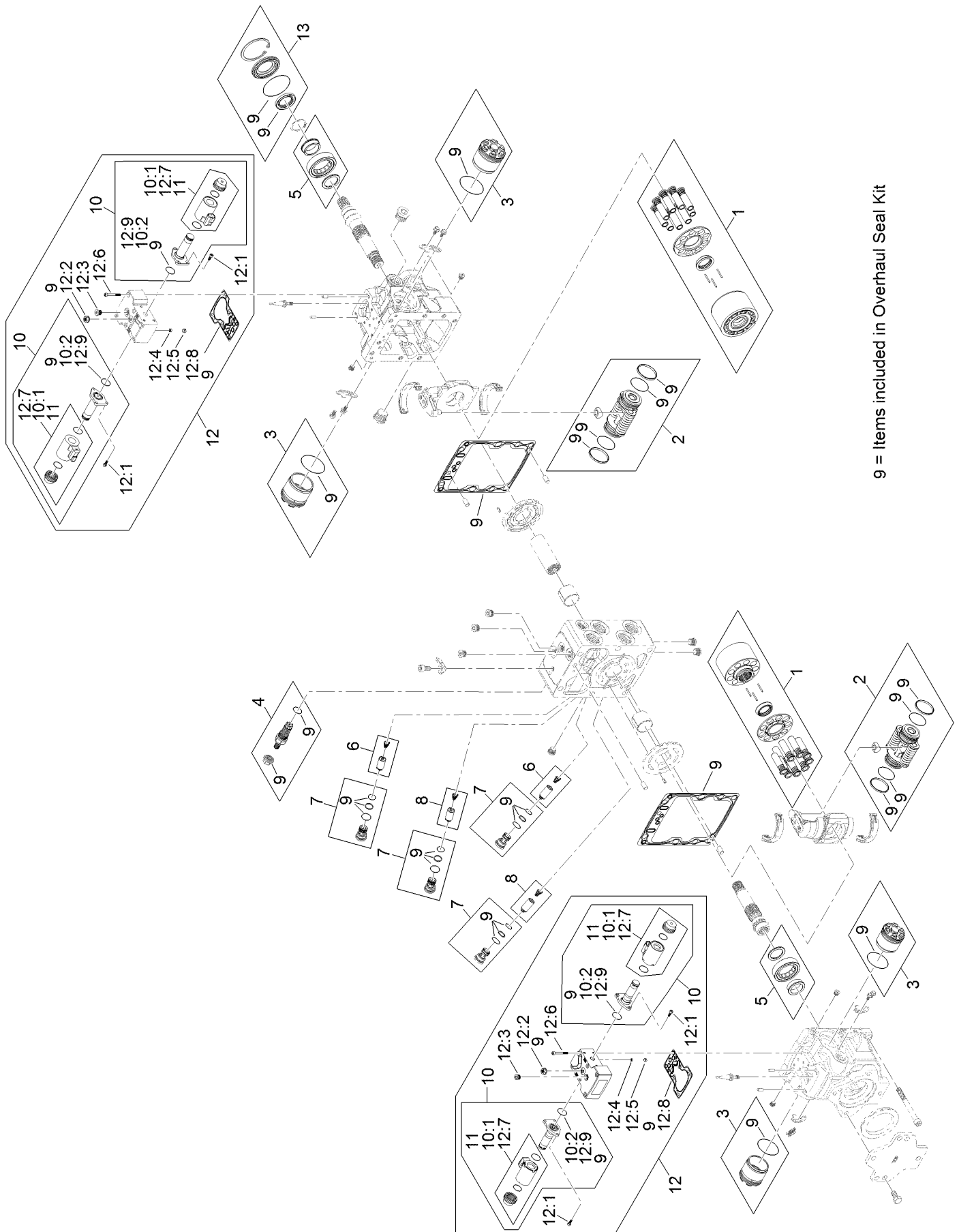
Hydraulic Pump Assembly



Hydraulic 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	130-2585	1	Coupler-Flywheel	23	33106-025	2	Screw-HHF
2	131-8912	1	Cover-Flywheel	26	AU91-FF593-16	1	Flange Kit
3	131-8949	1	Pump-Hydrostat	26:1	121-3904	1	O-Ring
4	131-8948	1	Pump-Piston, Load Sense	26:2	323-44	4	Screw-HH
5	104-3797	2	Fitting-Straight	26:3	3253-21	4	Washer-Lock
5:1	237-146	1	O-Ring	27	133-5976	1	Fitting-HYD-45
5:2	340-65	1	O-Ring	27:1	237-101	1	O-Ring
6	340-7	1	Fitting-Straight	28	133-5978	1	Fitting-HYD-90
6:1	237-65	1	O-Ring	29	133-5972	1	Fitting-HYD-90
6:2	237-80	1	O-Ring	29:1	340-65	1	O-Ring
7	340-9	2	Fitting-Str	30	133-5973	1	Flange Kit
7:1	237-58	1	O-Ring	30:1	AU426-824	4	Screw-HH
7:2	237-81	1	O-Ring	30:2	3253-7	4	Washer-Lock
8	340-77	3	Fitting-Elbow, 90 DEG	30:3	133-6134	1	O-Ring
8:1	237-22	1	O-Ring	31	107-9447	1	O-Ring
8:2	237-42	1	O-Ring	32	137-7150	1	Tube ASM-HYD
9	115-3009	1	O-Ring	33	137-7151	1	Tube ASM-HYD
10	340-132	1	Fitting-Elbow, 90	34	133-6126	1	Tube ASM
10:1	237-78	1	O-Ring	35	133-6127	1	Tube ASM
10:2	237-21	1	O-Ring	36	340-17	1	Fitting-Elbow, 90 DEG
11	131-8947	1	Gear Pump ASM	36:1	237-65	1	O-Ring
12	104-3509	1	Fitting-HYD, 45 DEG	36:2	237-80	1	O-Ring
12:1	237-146	1	O-Ring	37	340-129	1	Fitting-Elbow, 90 DEG
12:2	340-65	1	O-Ring	37:1	237-146	1	O-Ring
14	112-7308	8	Washer-Plain	37:2	340-65	1	O-Ring
15	33115-020	8	Screw-HH	38	136-8948	1	Fitting-Elbow-90L
16	107-3395	4	Washer-Hardened	38:1	237-146	1	O-Ring
17	121-1524	2	Screw-HH	38:2	340-65	1	O-Ring
18	131-8859	2	Washer-Spacer, Hardened	39	340-128	4	Nut-Bulkhead
19	63-11-010	2	Bolt-HH	40	340-92	2	Fitting-Straight
20	AU426-824	2	Screw-HH	40:1	237-78	1	O-Ring
21	131-8913-03	1	Bracket-Support, Pump	40:2	237-21	1	O-Ring
22	33105-025	12	Screw-HHF				

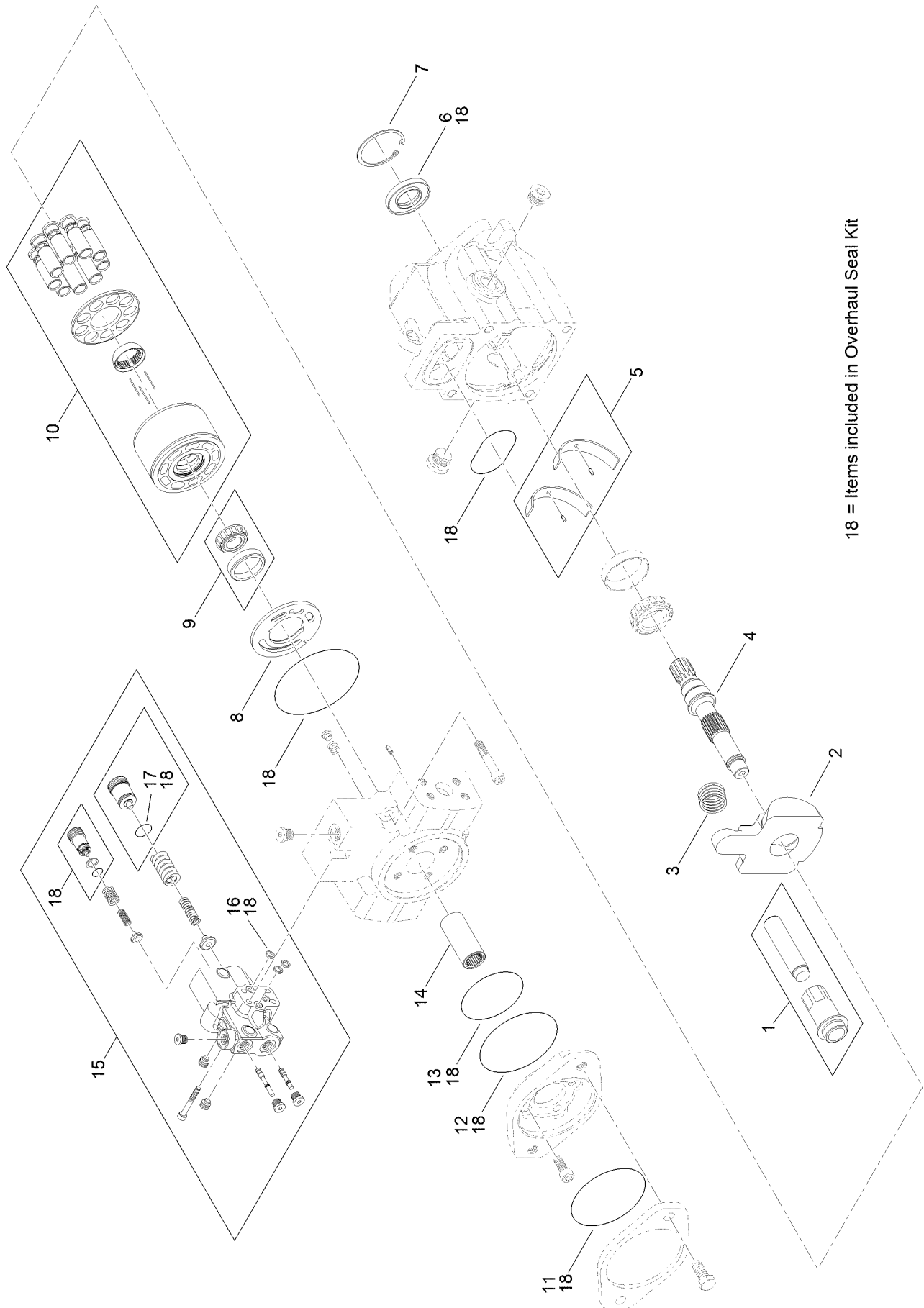
Hydraulic Tandem Pump Assembly No. 131-8949



Hydraulic Tandem Pump Assembly No. 131-8949 (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	136-4995	2	Cylinder Block Kit	11	125-5294	4	Coil Kit
2	121-1725	2	Servo Piston ASM	12	125-5295	2	Control Kit (12 Volt)
3	136-4996	4	Servo Cylinder ASM	12:1	125-5272	6	Screw
4	136-8296	1	Charge Relief Valve Kit	12:2	125-5273	1	Nut-Seal
5	125-5279	2	Bearing-Roller	12:3	125-5302	1	Plug
6	136-4998	2	Scr Valve ASM (330 Bar)	12:4	125-5266	1	Screen
7	136-4999	4	Scr Valve Plug ASM	12:5	125-5269	1	Ring-Locking
8	136-8294	2	Scr Valve ASM (230 Bar)	12:6	125-5274	6	Screw
9	136-8295	1	Overhaul Seal Kit	12:7	125-5294	2	Coil Kit
10	131-7636	4	Solenoid Valve ASM	12:8	125-5283	1	Gasket-Control
10:1	125-5294	1	Coil Kit	12:9	125-5288	2	O-Ring
10:2	125-5288	1	O-Ring	13	121-1729	1	Shaft Seal Kit

Hydraulic Pump Assembly No. 131-8948



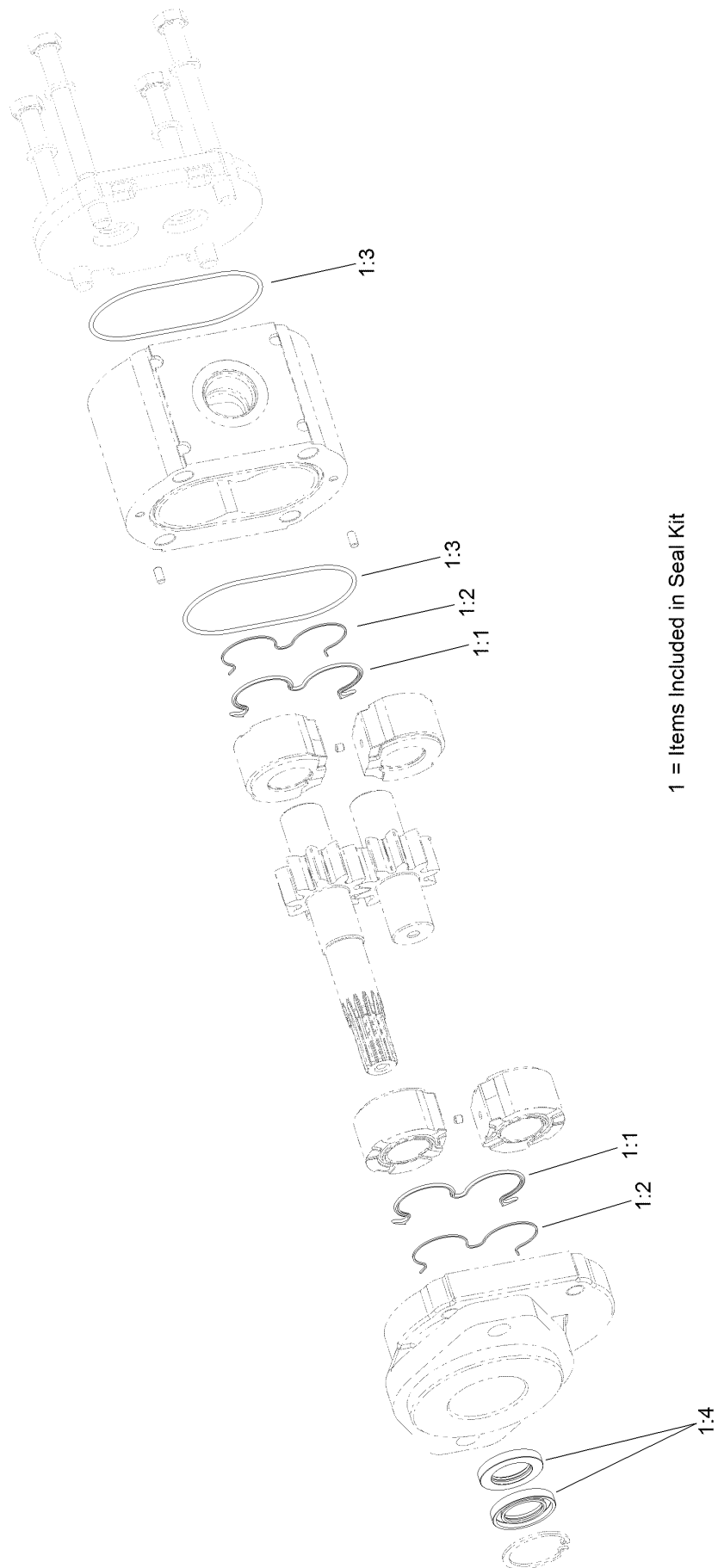
18 = Items included in Overhaul Seal Kit

Hydraulic Pump Assembly No. 131-8948 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5116	1	Servo Piston Kit
2	137-5100	1	Swashplate
3	AU104347	1	Spring-Bias
4	137-5102	1	Shaft
5	AU104343	1	Swash Plate Kit
6	137-5107	1	Lip Seal
7	200215	1	Ring
8	137-5101	1	Plate-Valve
9	137-5114	1	Rear Bearing Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	137-5113	1	Cylinder Block Kit
11	137-5105	1	O-Ring
12	137-5103	1	O-Ring
13	137-5104	1	O-Ring
14	137-5106	1	Coupling
15	137-5115	1	Control Kit
16	131-7624	3	Ring-Seal
17	131-7625	1	O-Ring
18	AU8PH50040-1	1	Overhaul Seal Kit

Hydraulic Gear Pump Assembly No. 131-8947

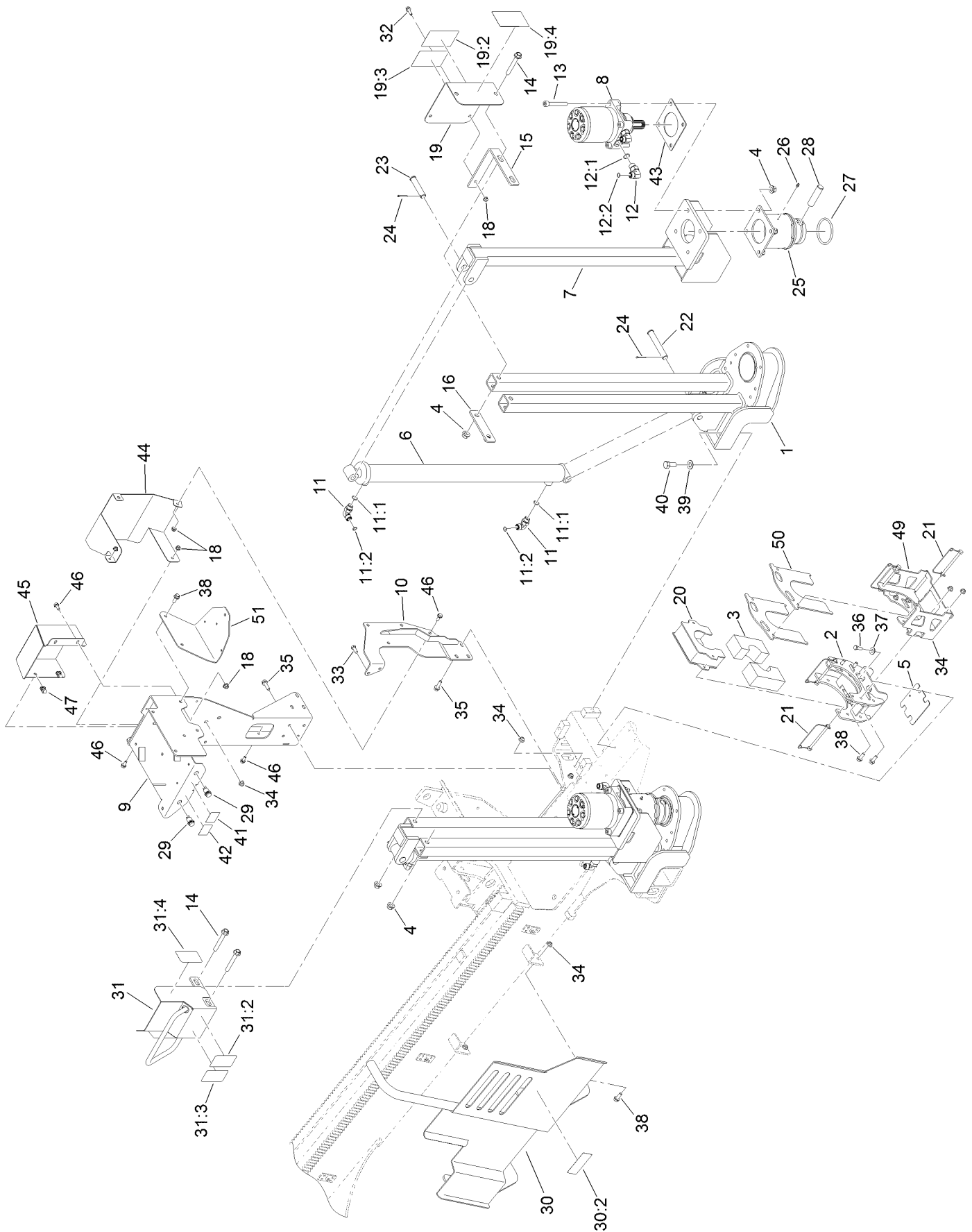


Hydraulic Gear Pump Assembly No. 131-8947 (continued)

<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	136-8823	1	Seal Kit	1:3		2	Seal-O Ring ●
1:1		2	Seal ●	1:4		2	Seal-Shaft ●
1:2		2	Ring-Antiextrusion ●				

● Not serviced separately

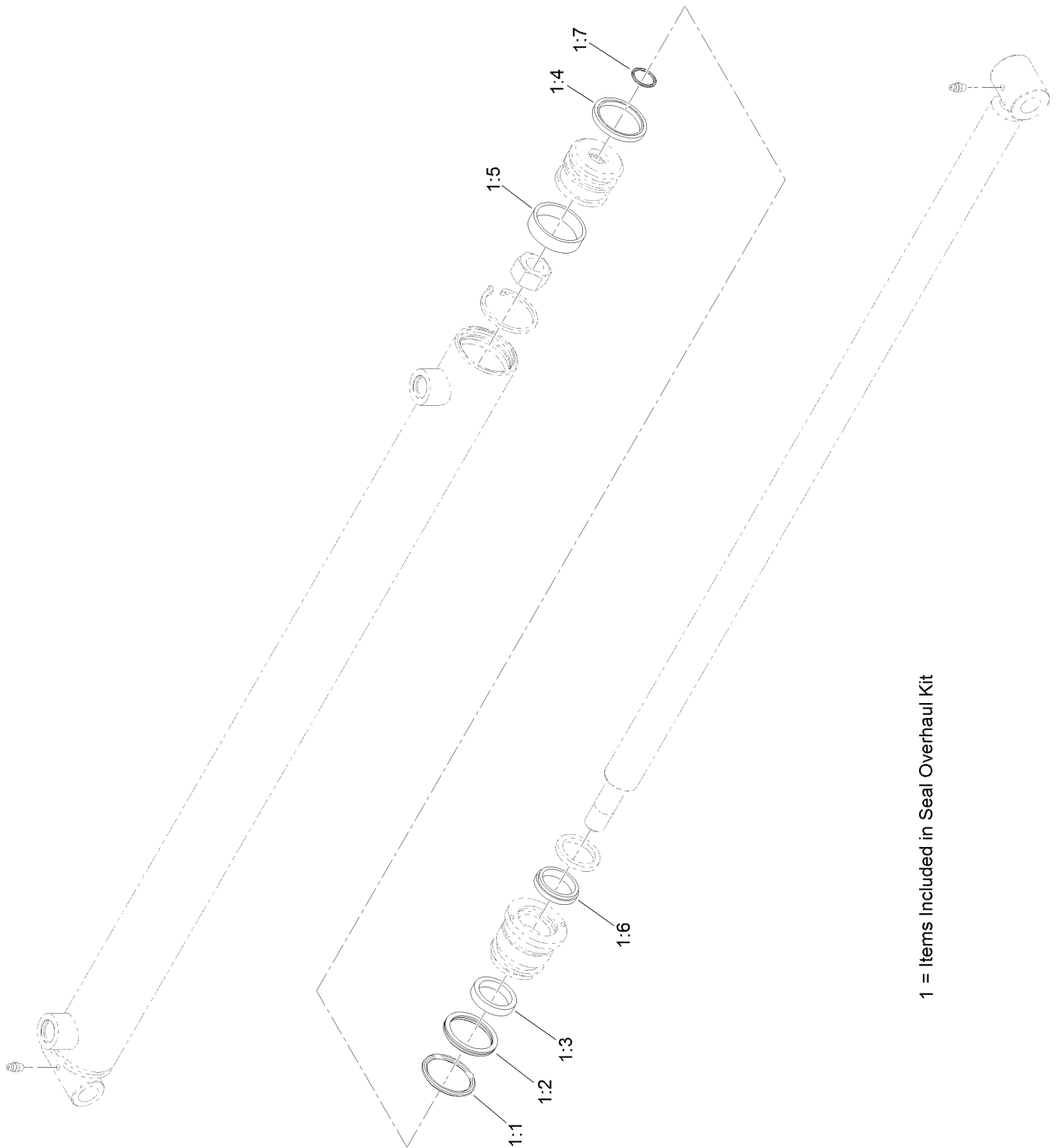
Thrust Frame Assembly



Thrust Frame 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	136-6944-01	2	Support-Down, Stake	26	302-57	2	Fitting-Grease
2	137-7134-03	1	Support-Guide Block/Wiper	27	131-5147	2	O-Ring
3	AU113442	2	Guide-Rod, Bushing	28	131-5143	2	Pin-Stake
4	99-5107	12	Nut-Lock	29	131-0040	2	Lamp-Indicator, LED
5	125-4468-03	1	Shim-Rod Guide, Bottom	30	138-1304	1	Foot Guard ASM
6	133-5960	2	HYD Cylinder ASM	30:2	125-6119	1	Decal-Danger, Entanglement
7	AU12GB7508-01	2	Stakedown	31	138-1289	1	Stakedown Handle ASM
8	132-5746	2	Motor-Hydraulic	31:2	137-7178	1	Decal-Warning, Entanglement
9	136-6107-03	1	Mount-Bucket, Grease	31:3	137-7179	1	Decal-Danger, Hazardous Area
10	136-6110-03	1	Bracket-Manifold	31:4	137-7180	1	Decal-Warning, Impact Hazard
11	340-98	4	Fitting-Elbow, 90 DEG	32	3234-29	1	Screw-HHF
11:1	237-79	1	O-Ring	33	323-5	2	Screw-HH
11:2	237-30	1	O-Ring	34	104-8301	18	Nut-HF, NI
12	340-105	4	Fitting-Elbow, 90 DEG	35	119-4061	7	Screw-HHF
12:1	237-80	1	O-Ring	36	3211-4	4	Screw-HH
12:2	237-30	1	O-Ring	37	3256-4	4	Washer-Flat
13	133-9634	8	Screw-HSH	38	3234-42	9	Screw-HHF
14	114-8419	4	Screw-HHF	39	119-1868	8	Washer
15	AU113696-01	1	Tie-Post, Stakedown	40	121-1658	8	Screw-HH
16	136-1490-03	2	Bracket-Guard	41	125-6124	1	Decal-Pipe Breakout, Clear
18	104-8300	6	Nut-HF, NI	42	137-7182	1	Decal-Pipe Return Clear
19	131-5145	1	Cylinder Guard ASM	43	133-9633-03	2	Plate-Spacer, Motor
19:2	137-7178	1	Decal-Warning, Entanglement	44	137-8324	1	Cover-Manifold
19:3	137-7179	1	Decal-Danger, Hazardous Area	45	137-8325	1	Cover-Controllers
19:4	137-7180	1	Decal-Warning, Impact Hazard	46	3234-47	7	Screw-HHF
20	138-1252-03	1	Cover-Guide, Rod	47	94-2413	2	Nut-U
21	138-4792	4	Pin-Locking	49	137-7184-03	1	Support-Wiper, Rod
22	AU110282	2	Pin-Clevis	50	137-7130-03	2	Plate-Holder, Bar
23	AUS10839	2	Pin-Clevis	51	137-8345-03	1	Bracket-Tram Light, Front
24	3272-12	4	Pin-Cotter				
25	131-5167-03	2	Coupler-Stake Down				

Hydraulic Cylinder Assembly No. 133-5960



1 = Items Included in Seal Overhaul Kit

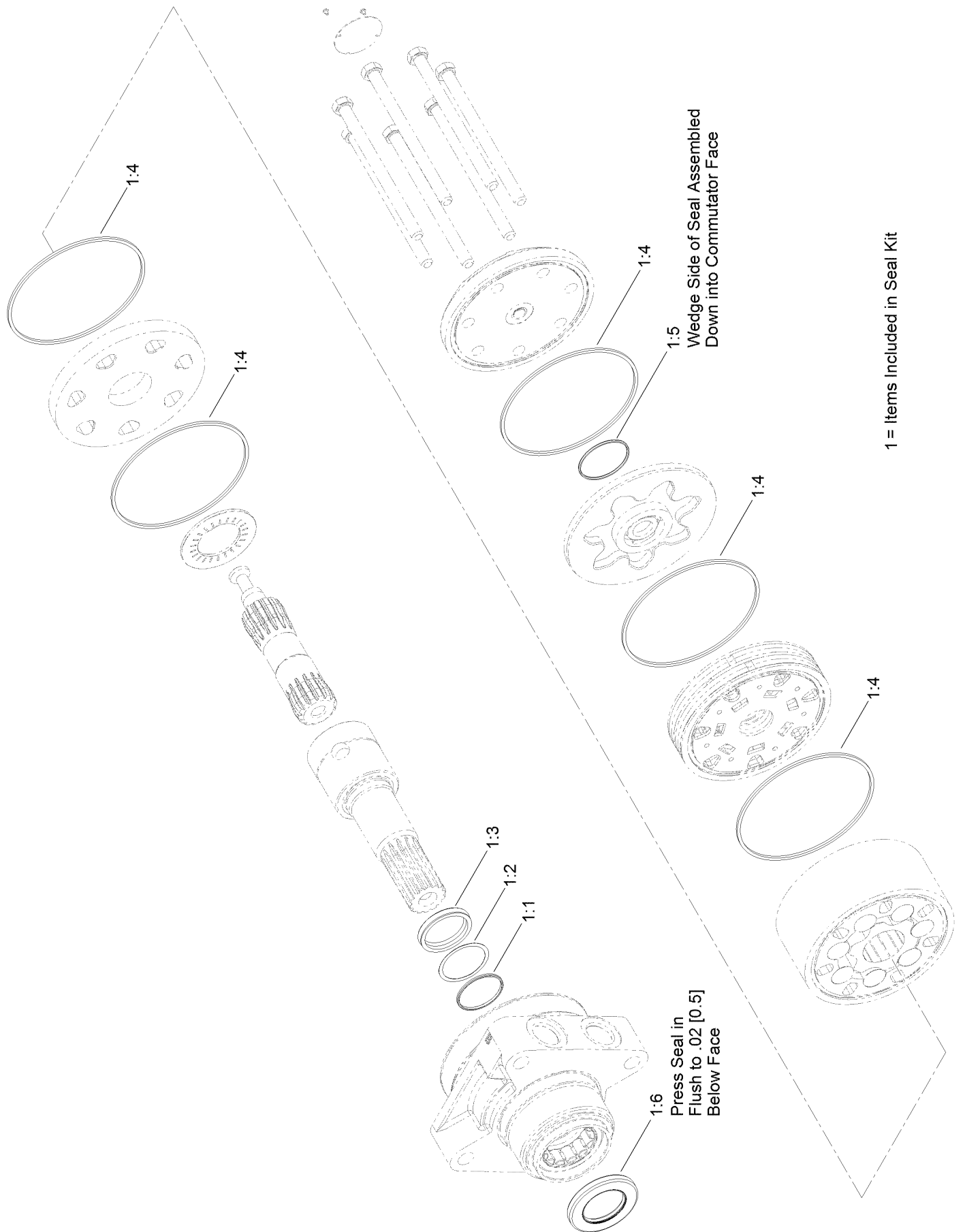
Hydraulic Cylinder Assembly No. 133-5960 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-1841	1	Seal Repair Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Psp Seal ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Wear Ring ●
1:5		1	Bt Seal ●
1:6		1	Dust Seal ●
1:7		1	O-Ring ●

● Not serviced separately

Hydraulic Motor Assembly No. 132-5746



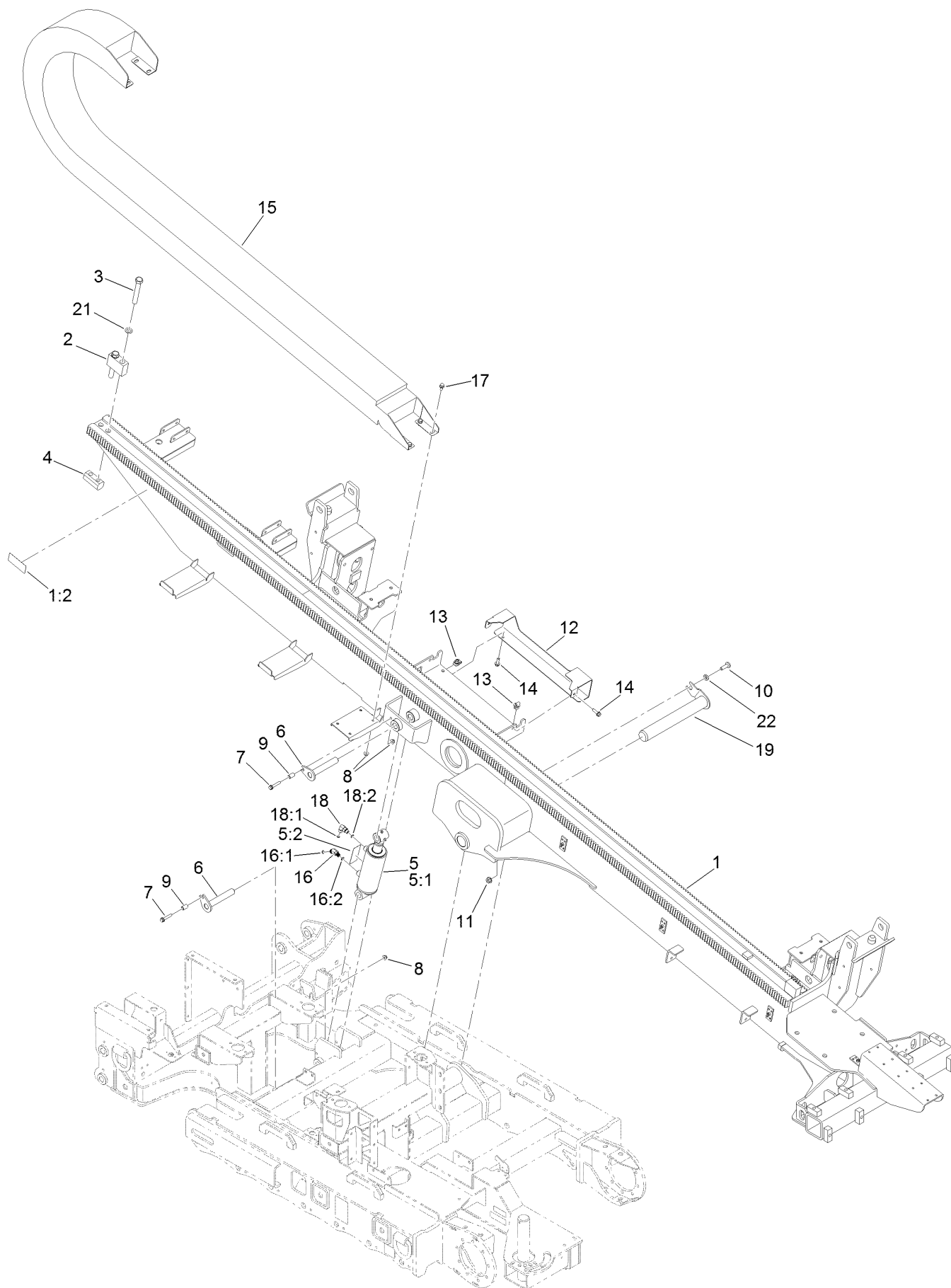
Hydraulic Motor Assembly No. 132-5746 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	76-0800	1	Seal Kit
1:1		1	Ring-Back Up ●
1:2		1	Washer-Back Up ●
1:3		1	Seal-Shaft ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		6	Seal-Ring ●
1:5		1	Seal-Commutator ●
1:6		1	Seal-Dirt And Water ●

● Not serviced separately

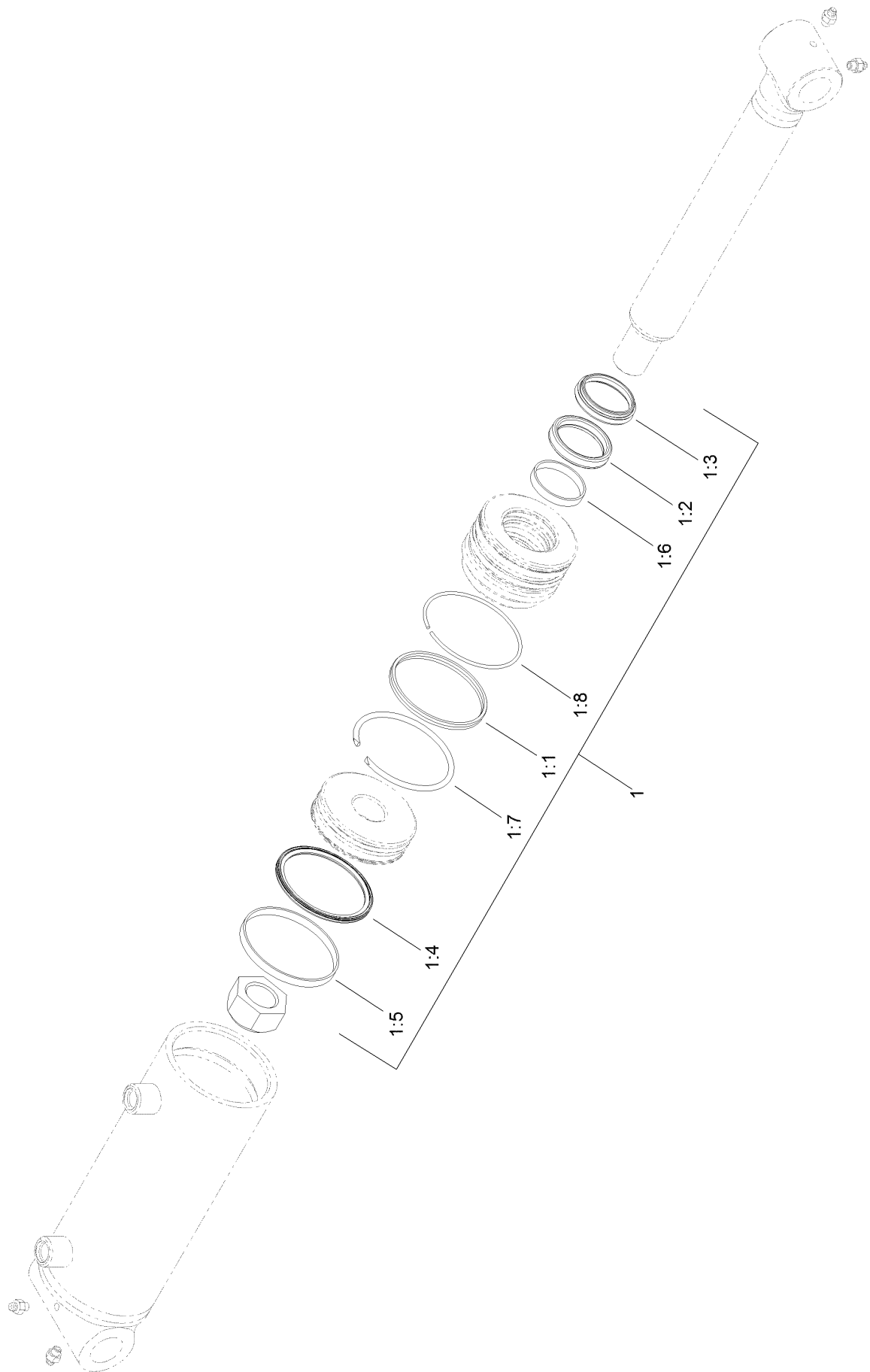
Thrust Frame Hose Carrier Assembly



Thrust Frame Hose Carrier 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	133-6251	1	Thrust Frame ASM	12	133-6145-03	1	Cover-Manifold
1:2	137-7166	1	Decal-Danger, Crushing	13	112-4576	4	Nut-Clip, U
2	AU12GB2030-03	1	Stop-Carriage	14	119-4061	4	Screw-HHF
3	328-9	2	Screw-HH	15	132-5747	1	Carrier-Hose
4	137-1819	1	Block-Tapped	16	340-87	1	Fitting-Elbow-45
5	133-6311	1	Lift Cylinder ASM	16:1	237-22	1	O-Ring
5:1	133-5958	1	Cylinder-Hydraulic	16:2	237-42	1	O-Ring
5:2	125-6115	1	Decal-Caution, Cylinder Lock	17	3234-1	4	Screw-HHF
6	136-8919	2	Pin-Pivot	18	340-77	2	Fitting-Elbow, 90 DEG
7	108-3742	2	Screw-HHF	18:1	237-22	1	O-Ring
8	104-8301	6	Nut-HF, NI	18:2	237-42	1	O-Ring
9	136-1464	2	Spacer	19	133-9686	1	Pin-Frame, Thrust
10	108-1993	1	Screw-HSBH	21	108-8613	2	Washer
11	108-3745	1	Nut-HHF, Whiz	22	138-1314	1	Washer

Hydraulic Cylinder Assembly No. 133-5958



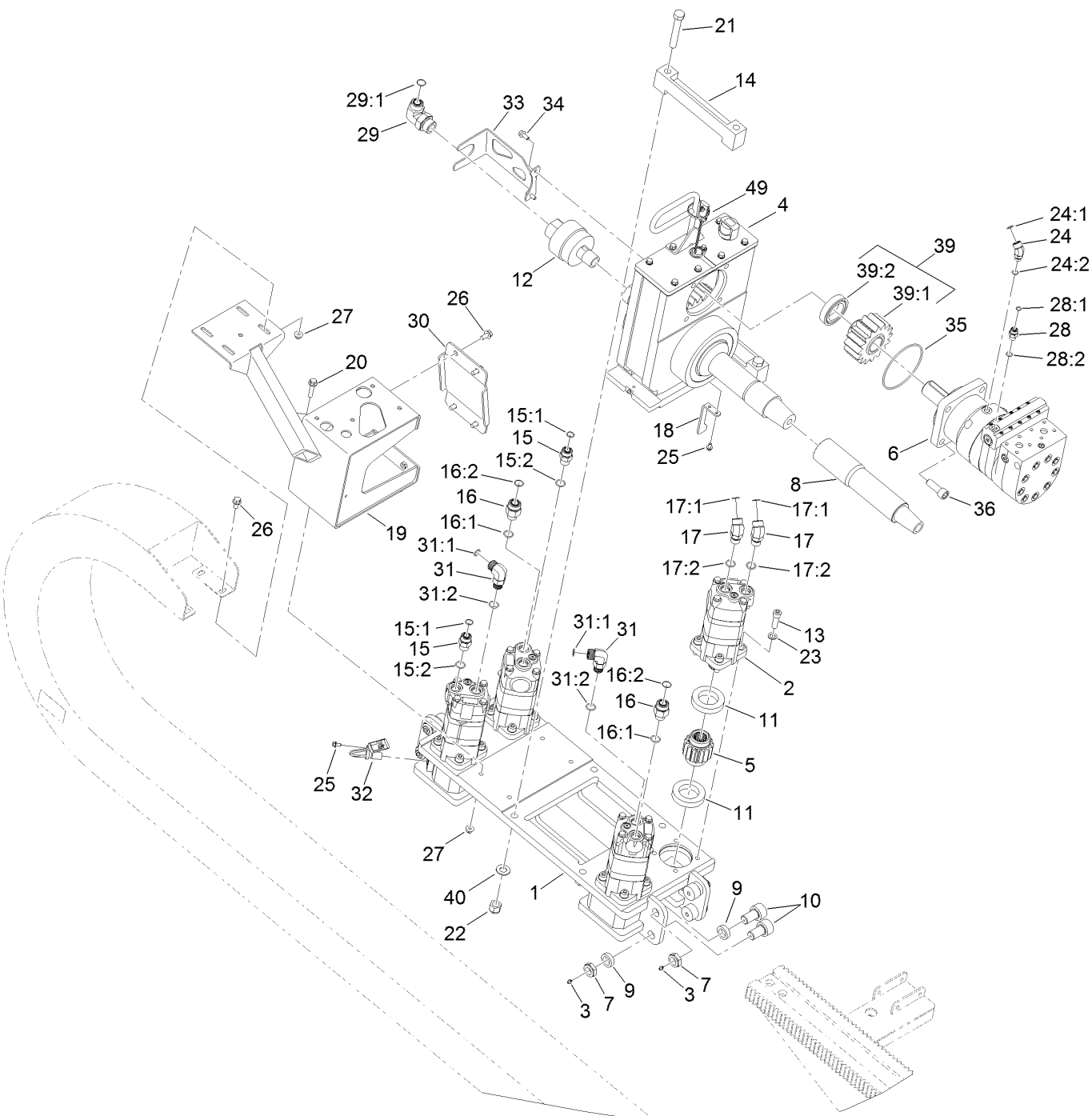
Hydraulic Cylinder Assembly No. 133-5958 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5209	1	Seal Repair Kit
1:1		1	Seal-Dual ●
1:2		1	Seal-Rod ●
1:3		1	Wiper-Rod ●
1:4		1	Seal-Piston ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:5		1	Ring-Wear, Piston ●
1:6		1	Ring-Wear, Rod ●
1:7		1	Ring-Retaining, Internal ●
1:8		1	Ring-Retaining, External ●

● Not serviced separately

Carriage and Rotary Assembly

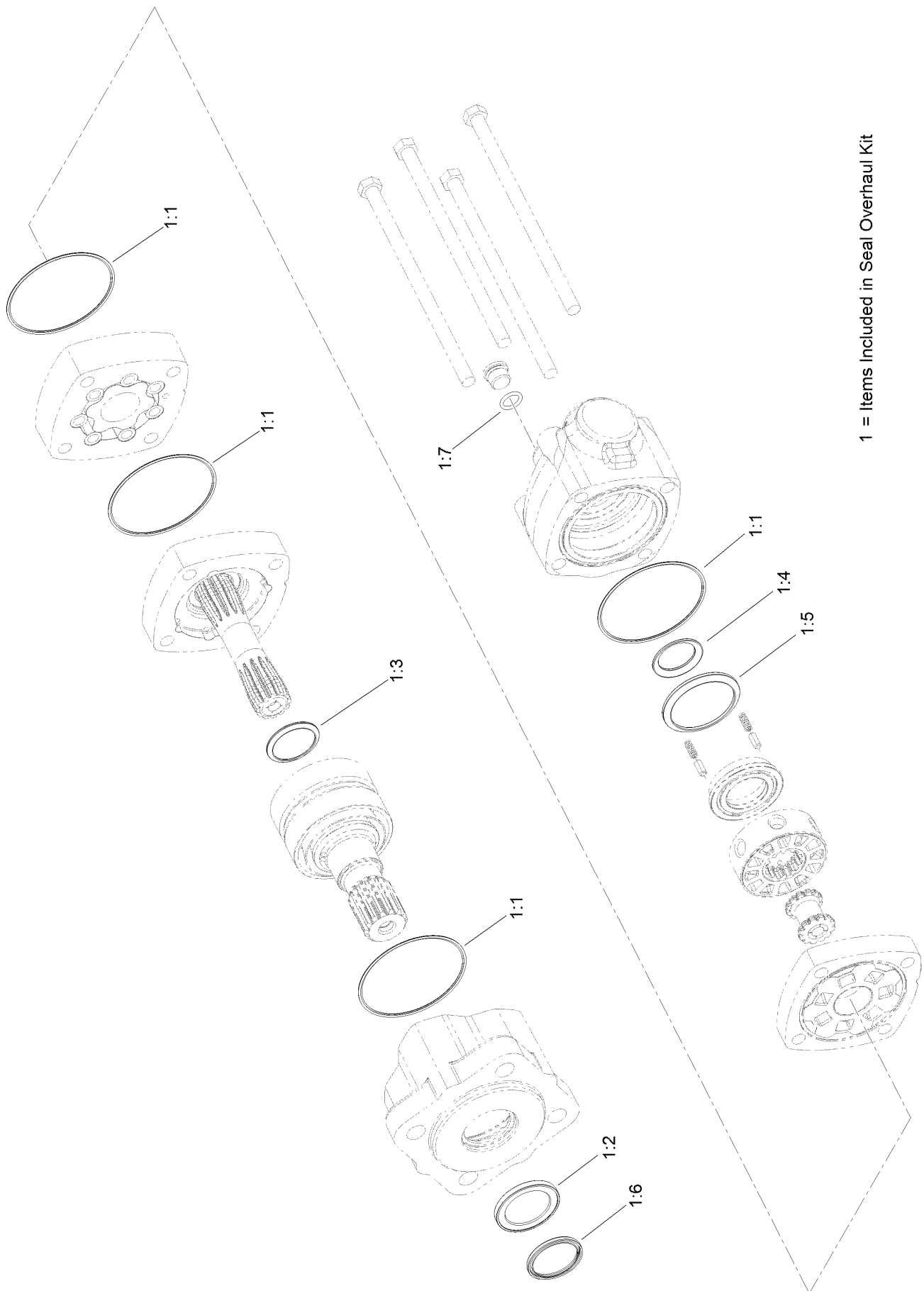


Carriage and Rotary Assembly (continued)

<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	132-5735-03	1	Carriage	22	120-0924	4	Nut-Hex
2	133-6206	4	Motor-Thrust	23	100-7336	16	Washer
3	302-63	8	Fitting-Grease, Zerk	24	340-96	1	Adapter
4	137-5287	1	Rotary Gearbox ASM	24:1	237-30	1	O-Ring
5	133-9485	4	Pinion-Gear, Thrust	24:2	237-42	1	O-Ring
6	131-8946	1	Motor ASM	25	3234-13	3	Screw-HHF
7	3296-60	8	Nut-Lock, NI	26	3234-1	8	Screw-HHF
8	131-7385	1	Subsaver	27	104-8301	8	Nut-HF, NI
9	AU12GB4025	8	Spacer-Follower, Cam	28	340-2	1	Fitting-Straight
10	AU8CF30025	8	Bearing-Roller, Cam	28:1	237-22	1	O-Ring
11	AU8CF40008	8	Bearing-Ball, Double Sealed	28:2	237-42	1	O-Ring
12	AU32GB4210	1	Swivel-Mud	29	137-8374	1	Fitting-Elbow 90
13	3274-4	16	Screw-HSH	29:1	237-58	1	O-Ring
14	133-6247	2	Plate-Clamp	30	136-8841-03	1	Plate-Front, Thrust Manifold
15	340-7	2	Fitting-Straight	31	340-17	2	Fitting-Elbow, 90 DEG
15:1	237-65	1	O-Ring	31:1	237-65	1	O-Ring
15:2	237-80	1	O-Ring	31:2	237-80	1	O-Ring
16	340-66	2	Fitting-Str	32	120-4800	1	Sensor-Geartooth
16:1	237-80	1	O-Ring	33	137-5281-03	1	Bracket-Swivel, Mud
16:2	237-58	1	O-Ring	34	3234-47	2	Screw-HHF
17	340-14	2	Fitting-HYD, 45 DEG	35	104-1920	1	O-Ring
17:1	237-65	1	O-Ring	36	133-6245	4	Screw-HSH
17:2	237-80	1	O-Ring	39		1	Drive Motor Gear ASM ●
18	133-9494-03	1	Plate-Flag	39:1	133-6240	1	Gear-Pinion
19	136-8838-03	1	Mount-Thrust	39:2	76-7280	1	Bearing
20	3234-19	4	Screw-HHF	40	119-1868	4	Washer
21	104-5877	4	Screw-HH	49	3290-379	2	Tie-Cable

● Not serviced separately

Hydraulic Motor Assembly No. 133-6206



1 = Items Included in Seal Overhaul Kit

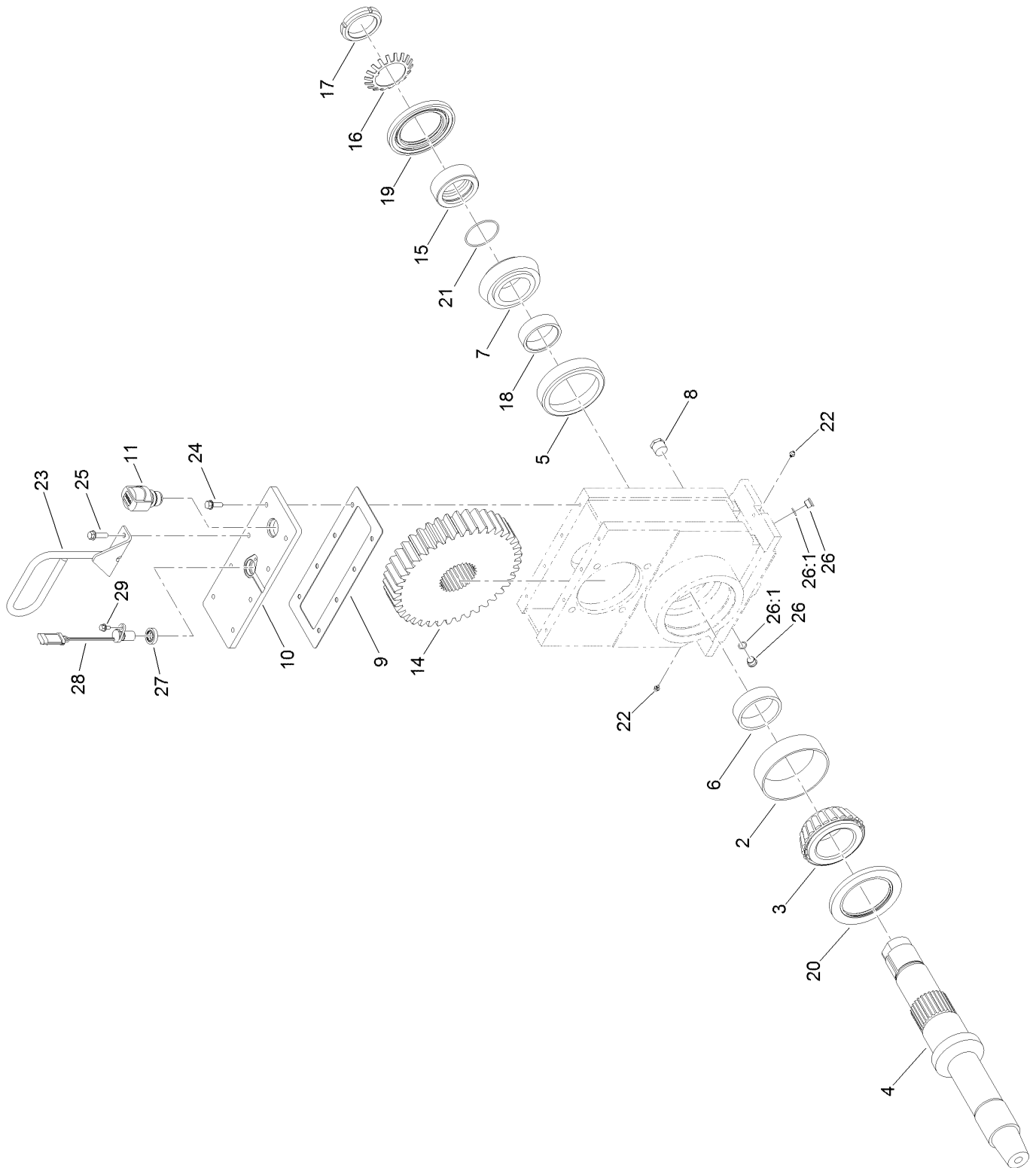
Hydraulic Motor Assembly No. 133-6206 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5222	1	Seal Kit
1:1		4	Seal ●
1:2		1	Seal-Shaft, High Pressure ●
1:3		1	Seal-Face, Shaft ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Seal-Face, Inner ●
1:5		1	Seal-Face, Outer ●
1:6		1	Seal-Shaft, Exclusion ●
1:7		1	O-Ring ●

● Not serviced separately

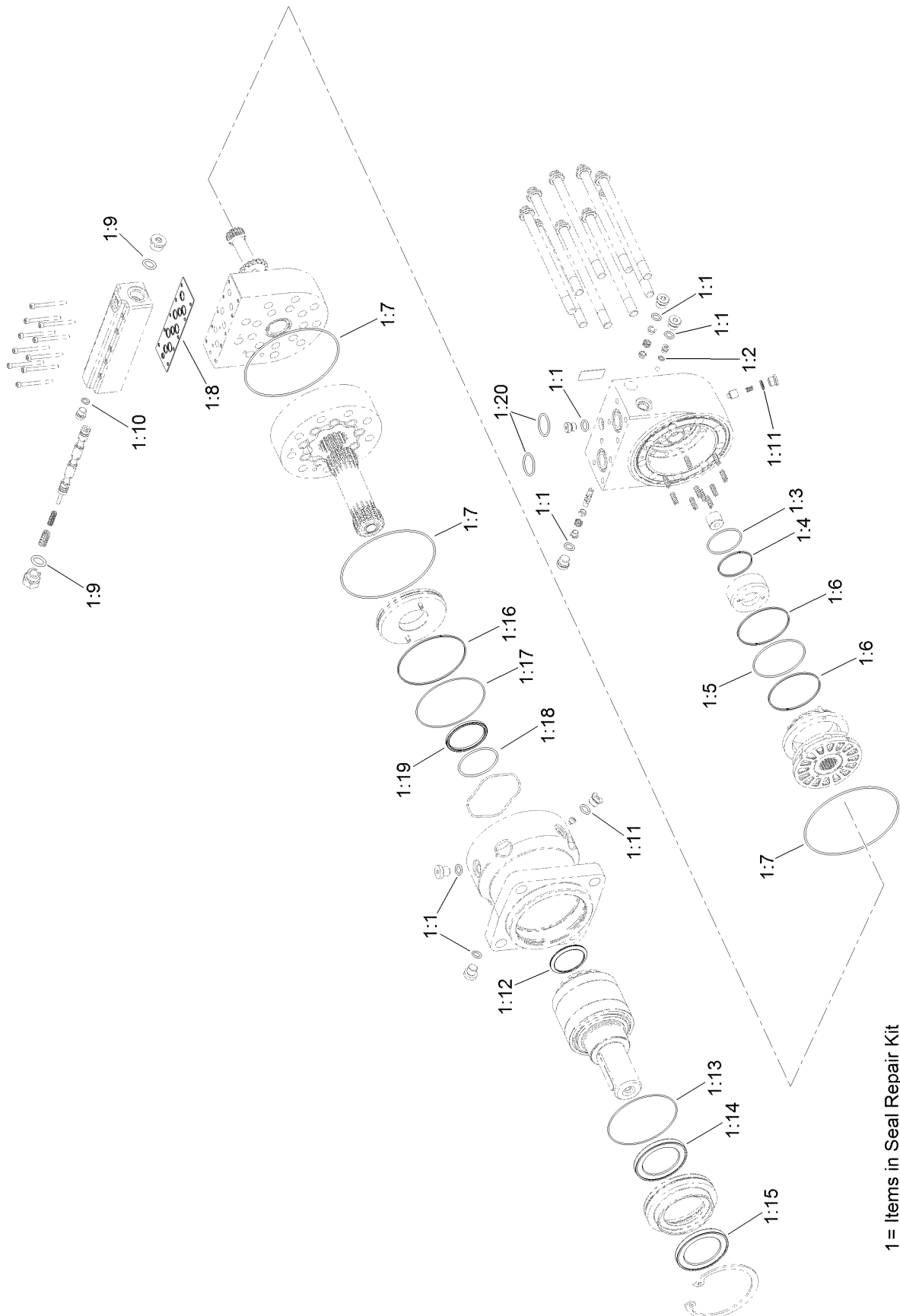
Rotary Gearbox Assembly No. 137-5287



Rotary Gearbox Assembly No. 137-5287 (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>
2	133-6233	1	Bearing-Cup	18	133-6243	1	Spacer-Gear
3	133-6232	1	Bearing-Cone	19	133-9496	1	Seal-Shaft
4	136-3951	1	Spindle-Rotary	20	131-2649	1	Seal-Rotary Box
5	AU8CF63017	1	Cup-Bearing	21	133-6244	1	O-Ring
6	136-3952	1	Spacer-Shaft	22	302-63	2	Fitting-Grease, Zerk
7	AU8CF63016	1	Cone-Bearing	23	136-1465	1	Hose Holder
8	AU8PP70008	1	Plug-Site, Glass	24	3234-29	6	Screw-HHF
9	133-6235	1	Gasket-Cover, Rotary Box	25	3234-36	2	Screw-HHF
10	136-7659	1	Plate-Cover, Rotary Box	26	353-989	2	Plug-Hex, Hollow
11	115-9793	1	Breather	26:1	237-42	1	O-Ring
14	133-6241	1	Gear-Driven	27	92-3735	1	Seal-Oil, Sensor
15	133-6242	1	Spacer-Holder, O-Ring	28	120-4800	1	Sensor-Geartooth
16	133-6248	1	Washer-Lock	29	3234-13	1	Screw-HHF
17	104-1973	1	Nut-Lock, Bearing				

Hydraulic Motor Assembly No. 131-8946



1 = Items in Seal Repair Kit

Hydraulic Motor Assembly No. 131-8946 (continued)

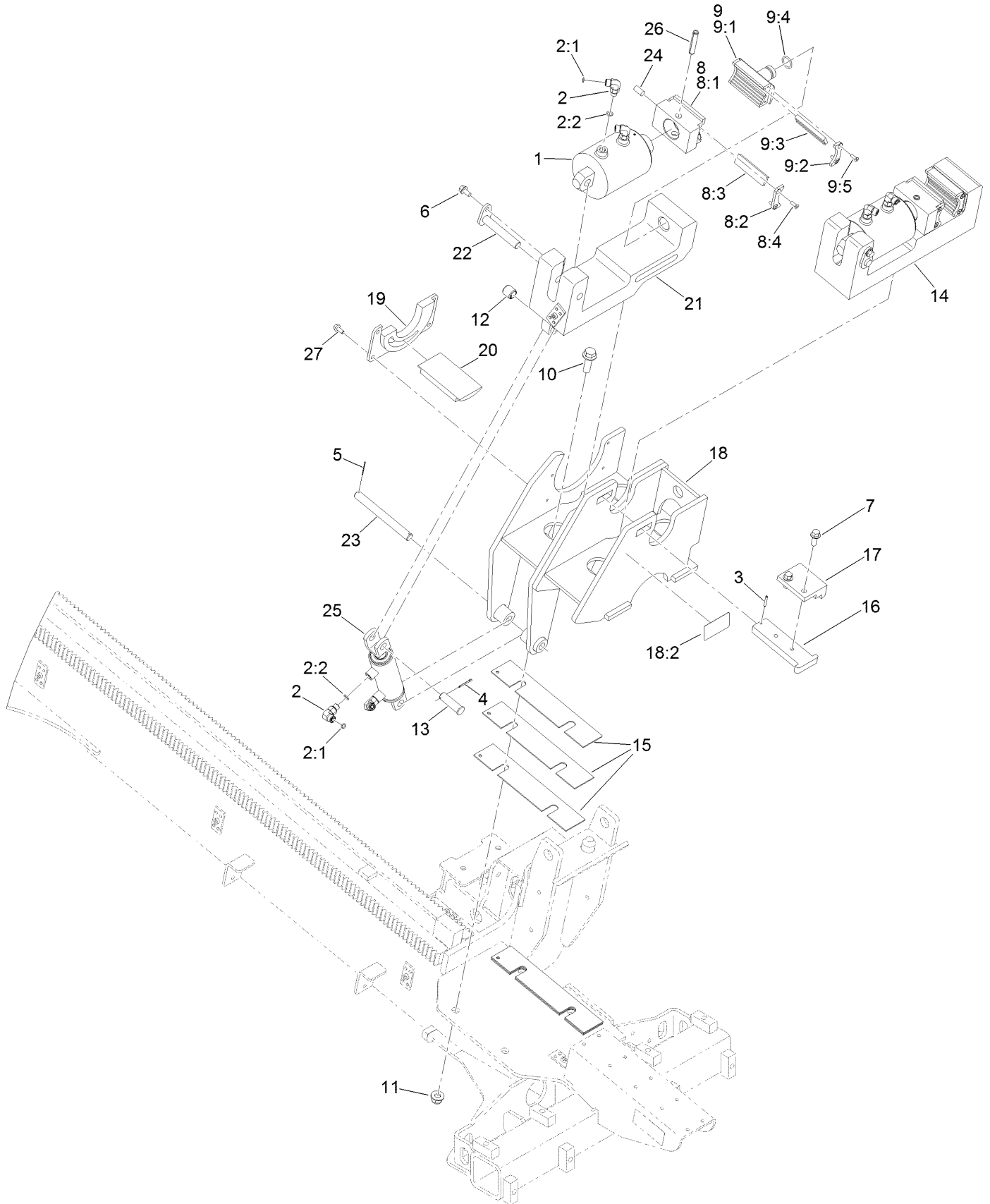
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5223	1	Seal Kit
1:1		6	O-Ring ■
1:2		1	O-Ring ■
1:3		1	O-Ring ■
1:4		1	Ring-Backup ■
1:5		1	O-Ring ■
1:6		2	Ring-Backup ■
1:7		3	O-Ring ■
1:8		1	Gasket ■
1:9		2	O-Ring ■
1:10		1	O-Ring ■

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:11		2	O-Ring ■
1:12		1	Seal-Face, Shaft ■
1:13		1	O-Ring ■
1:14		1	Seal-Shaft ■
1:15		1	Seal-Dust ■
1:16		1	Ring-Backup ■
1:17		1	O-Ring ■
1:18		1	O-Ring ■
1:19		1	Ring-Backup ■
1:20		2	O-Ring ● ■ ▲

● Not illustrated
▲ Not used for this configuration

■ Not serviced separately

Wrench Assembly



Wrench 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	136-6918	2	HYD Cylinder ASM	10	104-5870	4	Screw
2	340-77	6	Fitting-Elbow, 90 DEG	11	133-9681	4	Nut-HF
2:1	237-22	1	O-Ring	12	AU109676	1	Bushing-Spring
2:2	237-42	1	O-Ring	13	AU109885	1	Pin-Clevis
3	32121-6	1	Pin-Roll, Slotted	14	133-9661-03	1	Base-Fixed Clamp
4	3272-12	1	Pin-Cotter	15	AU112270-03	6	Plate-Shim
5	3272-42	2	Pin-Cotter	16	133-9664-03	1	Pin-Retaining
6	3234-1	2	Screw-HHF	17	133-9660-03	1	Block-Stop, Cylinder
7	3234-15	2	Screw-HHF	18	138-1264	1	Wrench ASM
8	AU12GB6020	2	Moving Die Holder ASM	18:2	125-6119	1	Decal-Danger, Entanglement
8:1	AU12GB6021	1	Holder-Die, Moving	19	AU12GB6010-03	1	Retainer-Pivot Key, Wrench
8:2	AU12GB6027	2	Retainer-Die	20	AU12GB6014	1	Key-Pivot, Wrench
8:3	AU12GB6036	2	Tong-Die	21	133-9663-03	1	Base-Wrench
8:4	3289-4	4	Screw-FH	22	133-9669	2	Pin-Flag
9	AU12GB6025	2	Fixed Die Holder ASM	23	AU12GB6057	1	Pin-Cylinder
9:1	AU12GB6026	1	Holder-Die, Fixed	24	AU8CT61601	1	Pin-Dowel
9:2	AU12GB6027	2	Retainer-Die	25	132-5740	1	Cylinder-Hydraulic
9:3	AU12GB6036	2	Tong-Die	26	AU12GB6056	2	Pin-Spring
9:4	AU8HS51214	1	Seal, O-Ring	27	3234-47	4	Screw-HHF
9:5	3289-4	4	Screw-FH				

This diagram shows an exploded perspective view of a multi-layered cylindrical assembly. The components are numbered as follows:

- 1**: The main cylindrical body.
- 1:1** through **1:8**: Eight additional layers or rings that fit around the main body, shown in an exploded state.

The assembly is shown in a disassembled state, with the layers separated to reveal their internal structure and how they fit together. The layers are shown in a perspective view, with dashed lines indicating the internal features and the alignment of the components.

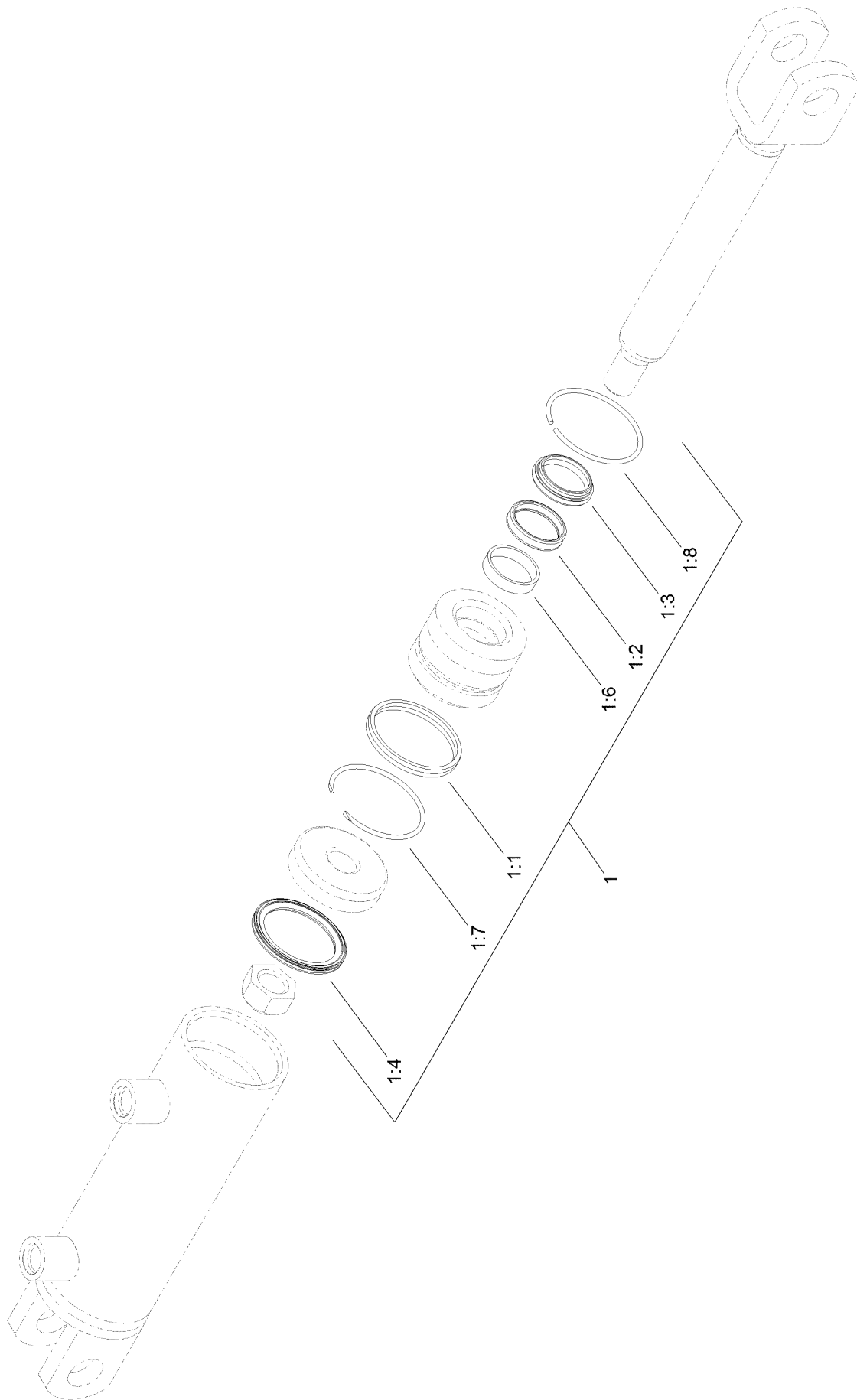
Hydraulic Cylinder Assembly No. 136-6918 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-9689	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Ring-Backup ●
1:3		1	Seal-B P ●
1:4		1	Ring-Wear ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:5		1	Seal-P P S ●
1:6		1	Bearing-Modular ●
1:7		1	Seal-Dust, High Temp ●
1:8		1	O-Ring ●

● Not serviced separately

Hydraulic Cylinder Assembly No. 132-5740



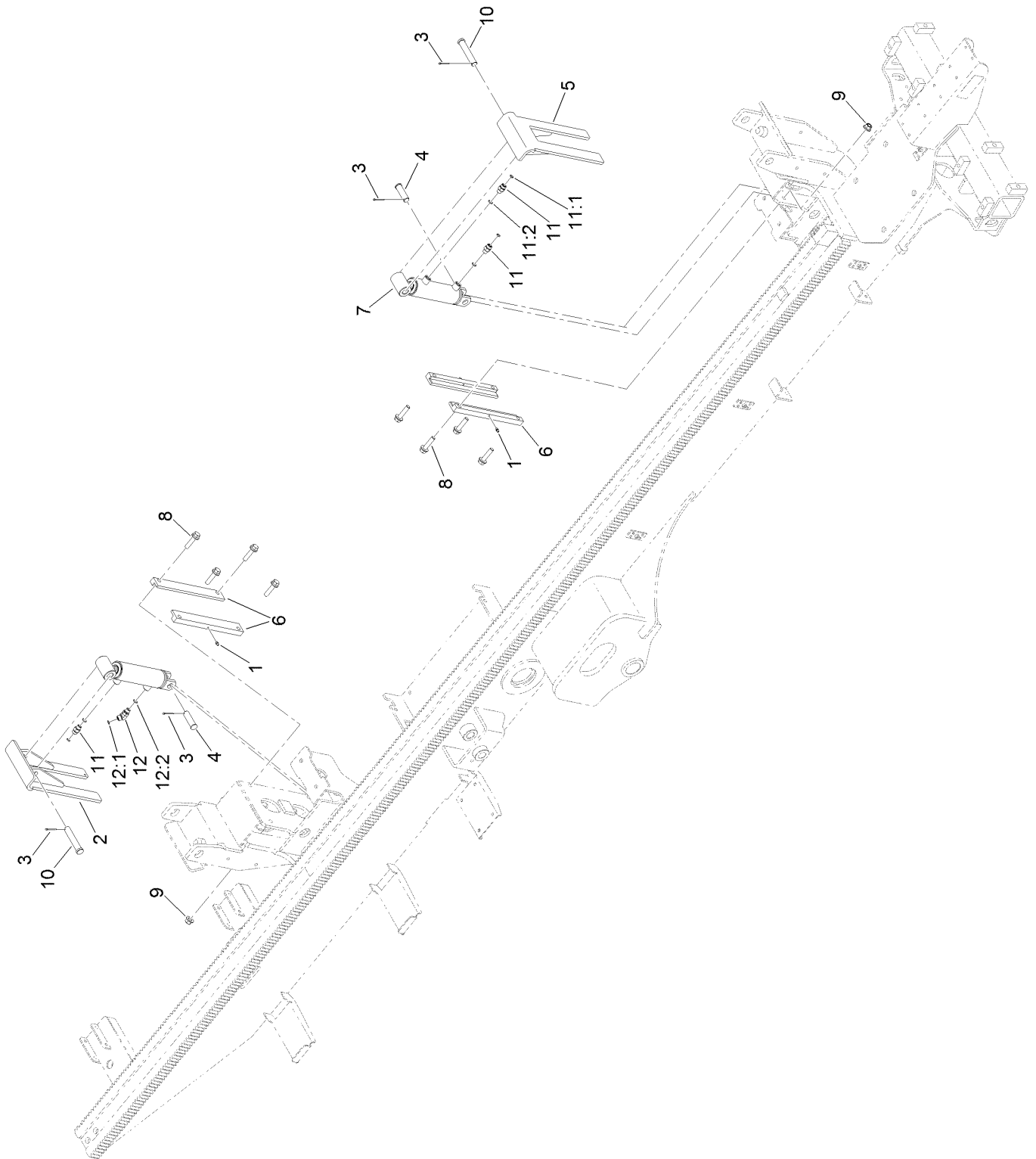
Hydraulic Cylinder Assembly No. 132-5740 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-1813	1	Seal Repair Kit
1:1		1	Seal-Dual ●
1:2		1	Seal-Rod ●
1:3		1	Wiper-Rod ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Seal-Piston ●
1:6		1	Ring-Wear, Rod ●
1:7		1	Ring-Retaining, Internal ●
1:8		1	Ring-Retaining, External ●

● Not serviced separately

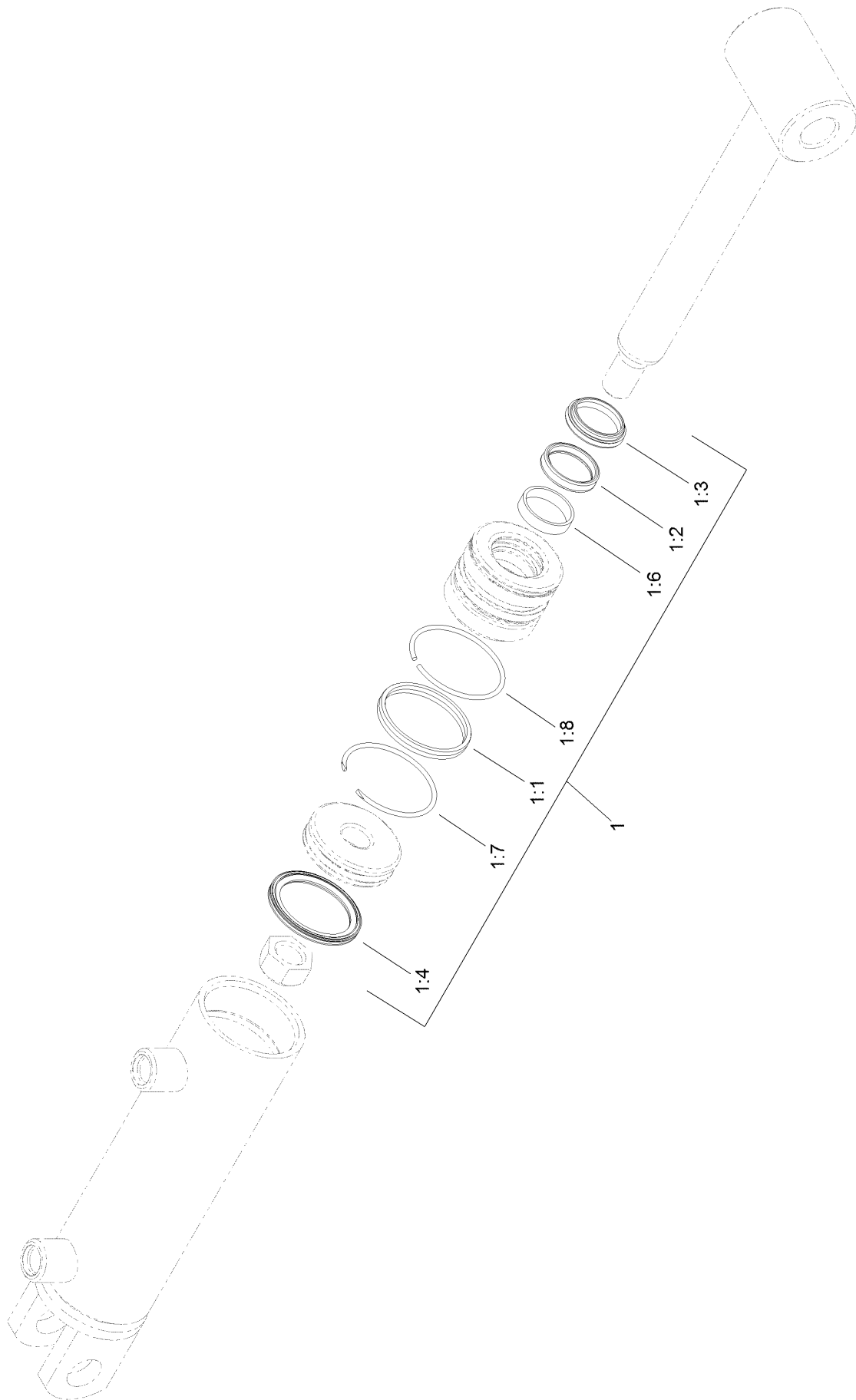
Elevator Assembly



Elevator 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	302-57	4	Fitting-Grease	9	99-5107	8	Nut-Lock
2	137-5278-03	1	Elevator-Rear	10	136-8908	2	Pin-Clevis
3	3272-12	4	Pin-Cotter	11	340-2	3	Fitting-Straight
4	AU109885	2	Pin-Clevis	11:1	237-22	1	O-Ring
5	137-5277-03	1	Elevator-Front	11:2	237-42	1	O-Ring
6	137-1707-03	4	Plate-Guide, Elevator	12	340-87	1	Fitting-Elbow-45
7	133-9466	2	Cylinder-Hydraulic	12:1	237-22	1	O-Ring
8	3234-27	8	Screw-HHF	12:2	237-42	1	O-Ring

Hydraulic Cylinder Assembly No. 133-9466



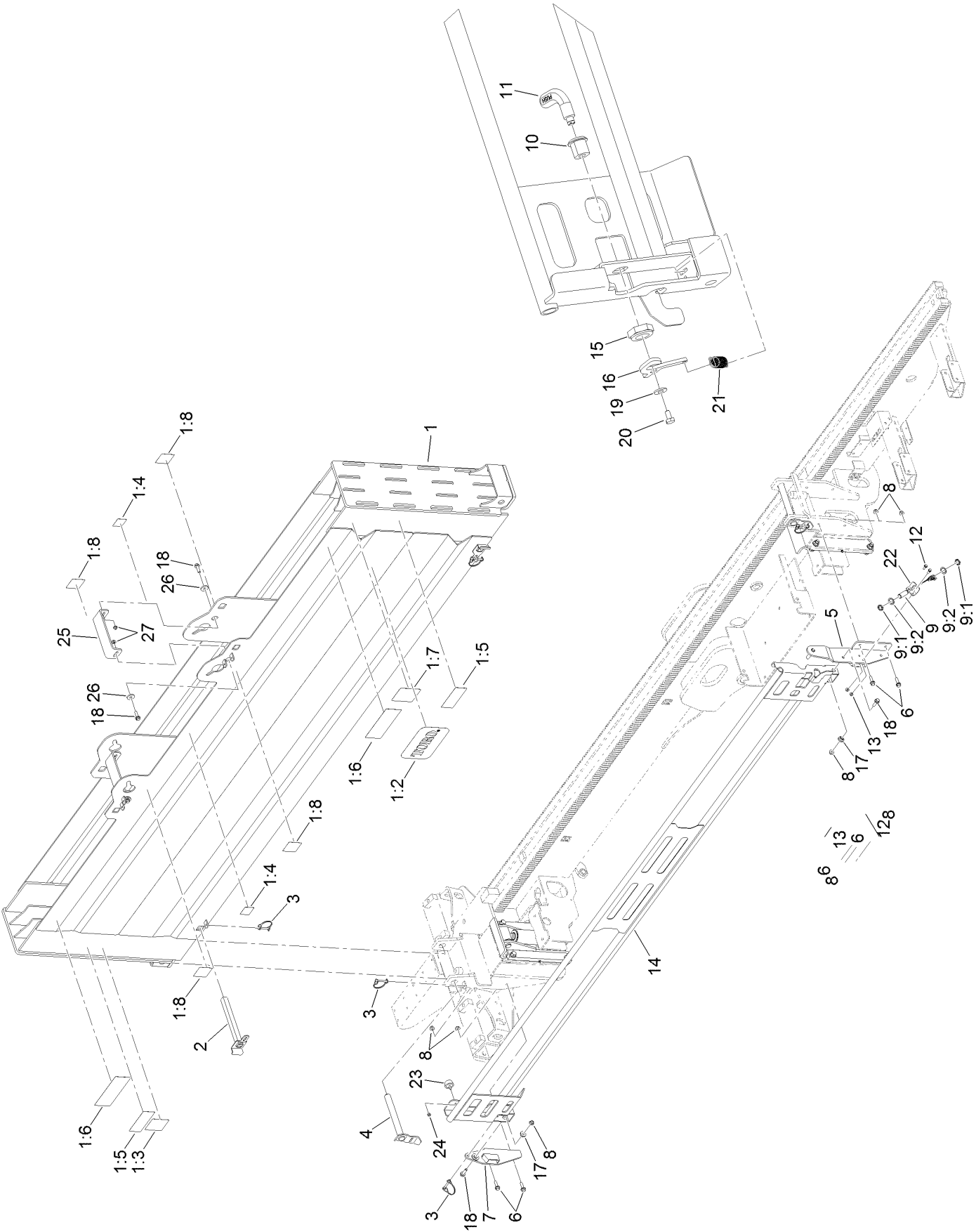
Hydraulic Cylinder Assembly No. 133-9466 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-1813	1	Seal Repair Kit
1:1		1	Seal-Dual ●
1:2		1	Seal-Rod ●
1:3		1	Wiper-Rod ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Seal-Piston ●
1:6		1	Ring-Wear, Rod ●
1:7		1	Ring-Retaining, Internal ●
1:8		1	Ring-Retaining, External ●

● Not serviced separately

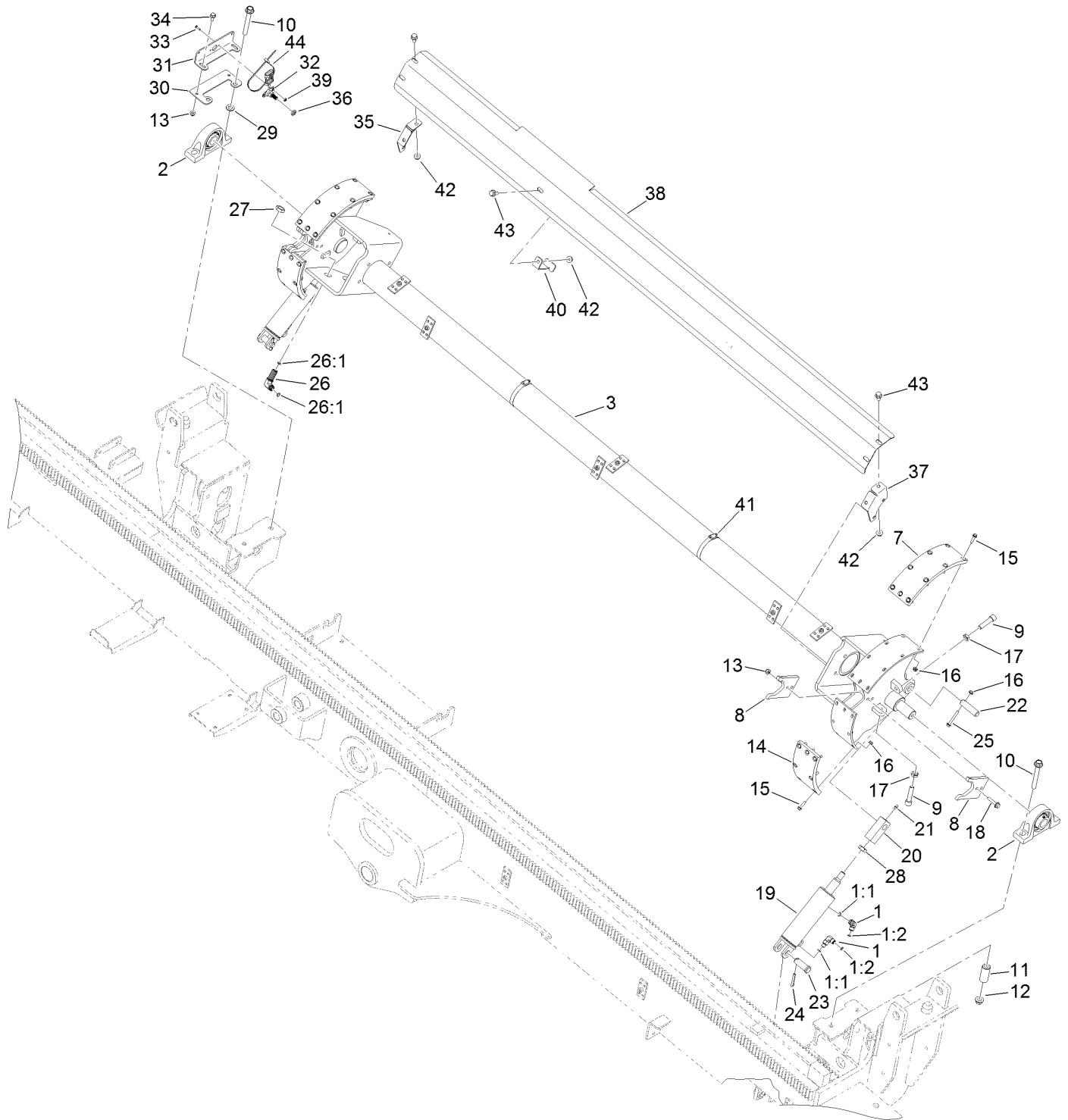
Side Rod Load Assembly



Side Rod Load 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	136-1500	1	Rod Box ASM	9:2	117-3208	2	Washer-Lock, Internal Tooth
1:2	92-1242	1	Decal	10	106-9335	1	Housing-Latch
1:3	125-6107	1	Decal-Warning, Crushing	11	108-5639	1	Handle-Latch
1:4	125-6197	2	Decal-Weight, Rod Basket	12	115-5103	2	Screw-HHF
1:5	125-6128	2	Decal-Warning, Hydraulic Pressure	13	119-4040	2	Nut-Flange, NI
1:6	125-6130	2	Decal-Danger, Hazardous Area	14	137-1781-01	1	Handle-Load, Pipe
1:7	137-7168	1	Decal-Danger, Shock	15	3296-60	1	Nut-Lock, NI
1:8	125-4967	4	Decal-Lift Here	16	137-8342	1	Cam-Hooked
2	136-1511-03	2	Pin-Rod	17	93-5988	2	Hub-Pivot
3	100-1663	5	Pin-Hitch	18	119-4061	6	Screw-HHF
4	136-8792-03	2	Pin-Box, Rod	19	3256-2	1	Washer-Flat
5	137-7114-01	1	Rod-Load, Rear	20	321-2	1	Screw-HH
6	3234-24	4	Screw-HHF	21	104-0869	1	Spring
7	137-7118-01	1	Rod-Load, Front	22	137-1801	1	Bracket-Sensor
8	104-8301	6	Nut-HF, NI	23	131-8834	1	Bumper
9	115-5300	1	Proximity Switch ASM	24	3296-42	1	Nut-Lock, NI
9:1	117-3207	2	Nut-Hex	25	138-4753	2	Plate-Guard, Pipe
				26	104-8005	4	Spacer
				27	104-8300	4	Nut-HF, NI

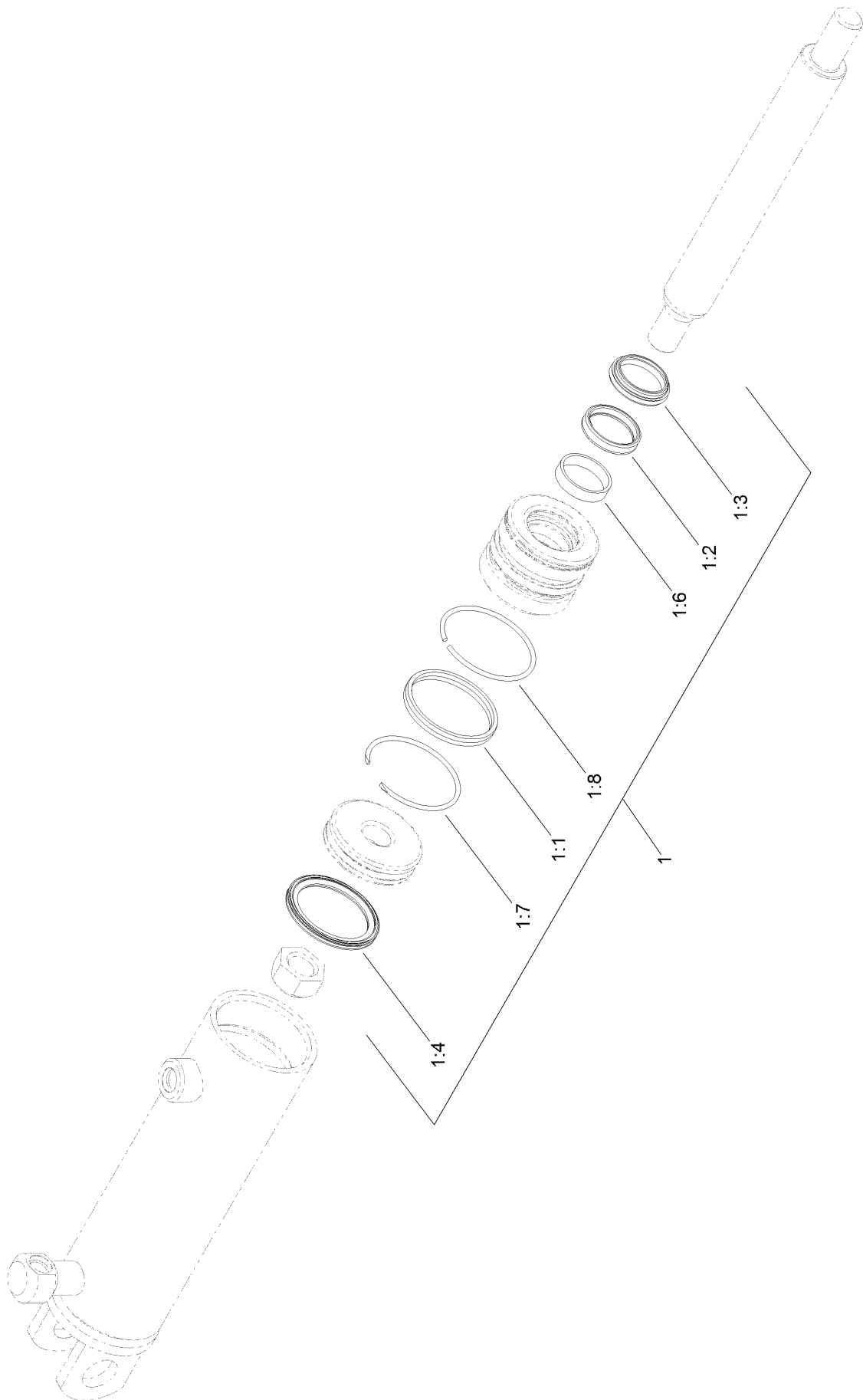
Rod Cam Assembly



Rod Cam 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	340-132	4	Fitting-Elbow, 90	24	3272-30	2	Pin-Cotter
1:1	237-78	1	O-Ring	25	3234-34	2	Screw-HHF
1:2	237-21	1	O-Ring	26	340-154	2	Union-Bulkhead
2	AU109963	2	Bearing-Pillow	26:1	237-22	2	O-Ring
3	132-5714-01	1	Loader-Rod, Cam	27	340-70	2	Nut-Lock
7	131-8884	2	Pad-Wear, Rod Loader	28	3220-6	2	Nut-Jam
8	AU111864-03	4	Plate-Guide, Pipe	29	106-9888	2	Washer-Flat
9	3274-5	4	Screw-HSH	30	132-4170-03	1	Bracket
10	131-0134	4	Screw-HHF	31	132-4179-03	1	Bracket-Sensor, Rotary
11	99-4072	4	Spacer	32	137-1800	1	Sensor-Rotary
12	131-0135	4	Nut-Hex Flange	33	3290-392	2	Screw-SHH
13	104-8300	6	Nut-HF, NI	34	3234-47	2	Screw-HHF
14	131-8882	2	Pad-Wear, Short Rod Loader	35	137-5283-01	1	Bracket-Cam Shield, Back
15	120-4654	32	Screw-HHF	36	112-8617	1	Nut-Hex
16	104-7201	34	Nut-HF	37	137-5286-01	1	Bracket-Cam Shield, Front
17	3218-5	4	Nut-Jam	38	137-5282-01	1	Shield-Cam
18	115-1794	4	Screw-HHF	39	3296-54	2	Nut-Lock
19	132-5741	2	Cylinder-Hydraulic	40	137-5285	2	Bracket-Cam Shield, Support
20	AU12GB7338-03	2	Eye-Rod, Cylinder	41	114-4938	2	Clamp-Worm
21	302-57	2	Fitting-Grease	42	104-8301	6	Nut-HF, NI
22	AU109680	2	Pin-Straight	43	3234-1	6	Screw-HHF
23	AUH30262	2	Pin-Clevis	44	3290-378	1	Tie-Cable

Hydraulic Cylinder Assembly No. 132-5741



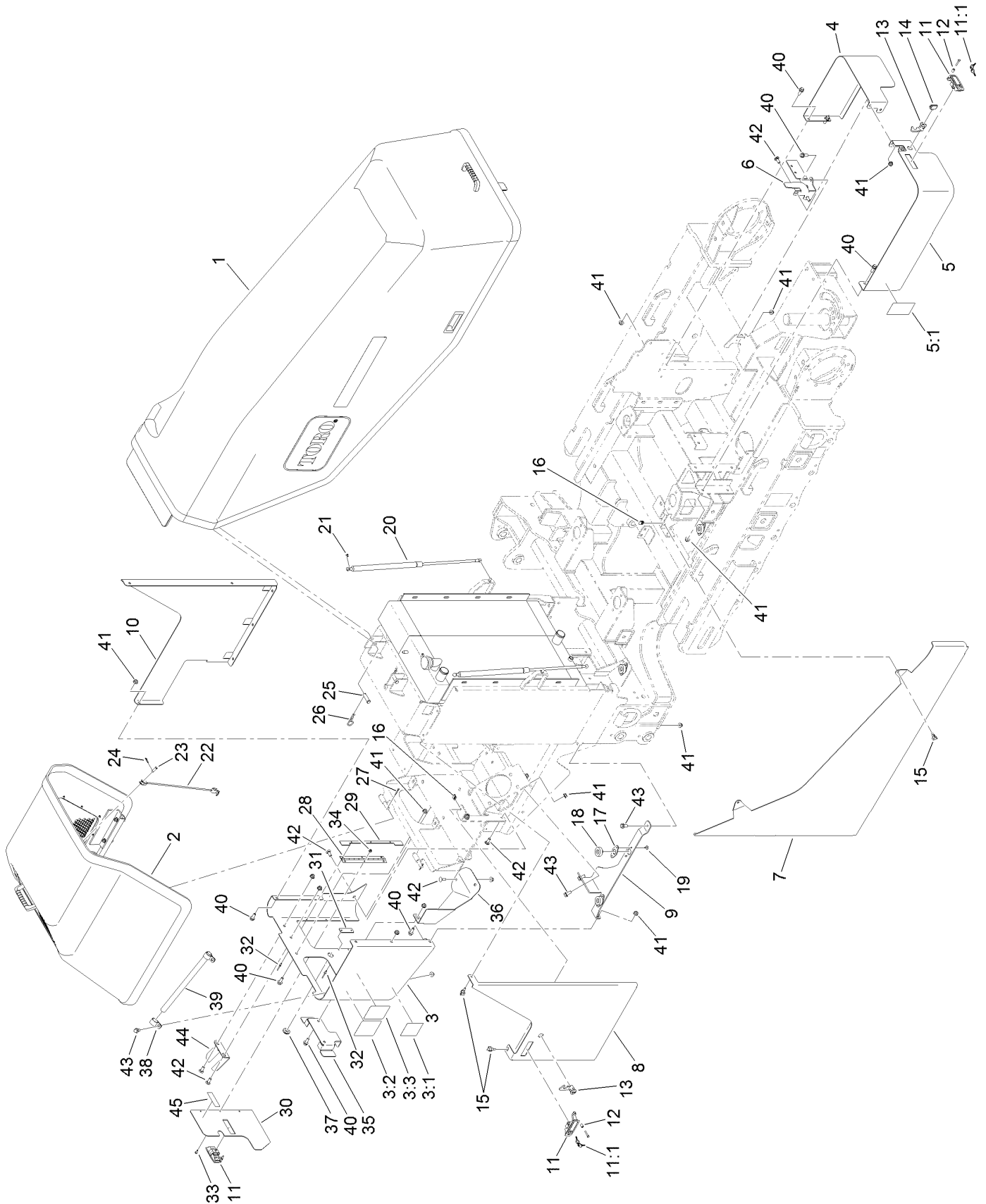
Hydraulic Cylinder Assembly No. 132-5741 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-1813	1	Seal Repair Kit
1:1		1	Seal-Dual ●
1:2		1	Seal-Rod ●
1:3		1	Wiper-Rod ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Seal-Piston ●
1:6		1	Ring-Wear, Rod ●
1:7		1	Ring-Retaining, Internal ●
1:8		1	Ring-Retaining, External ●

● Not serviced separately

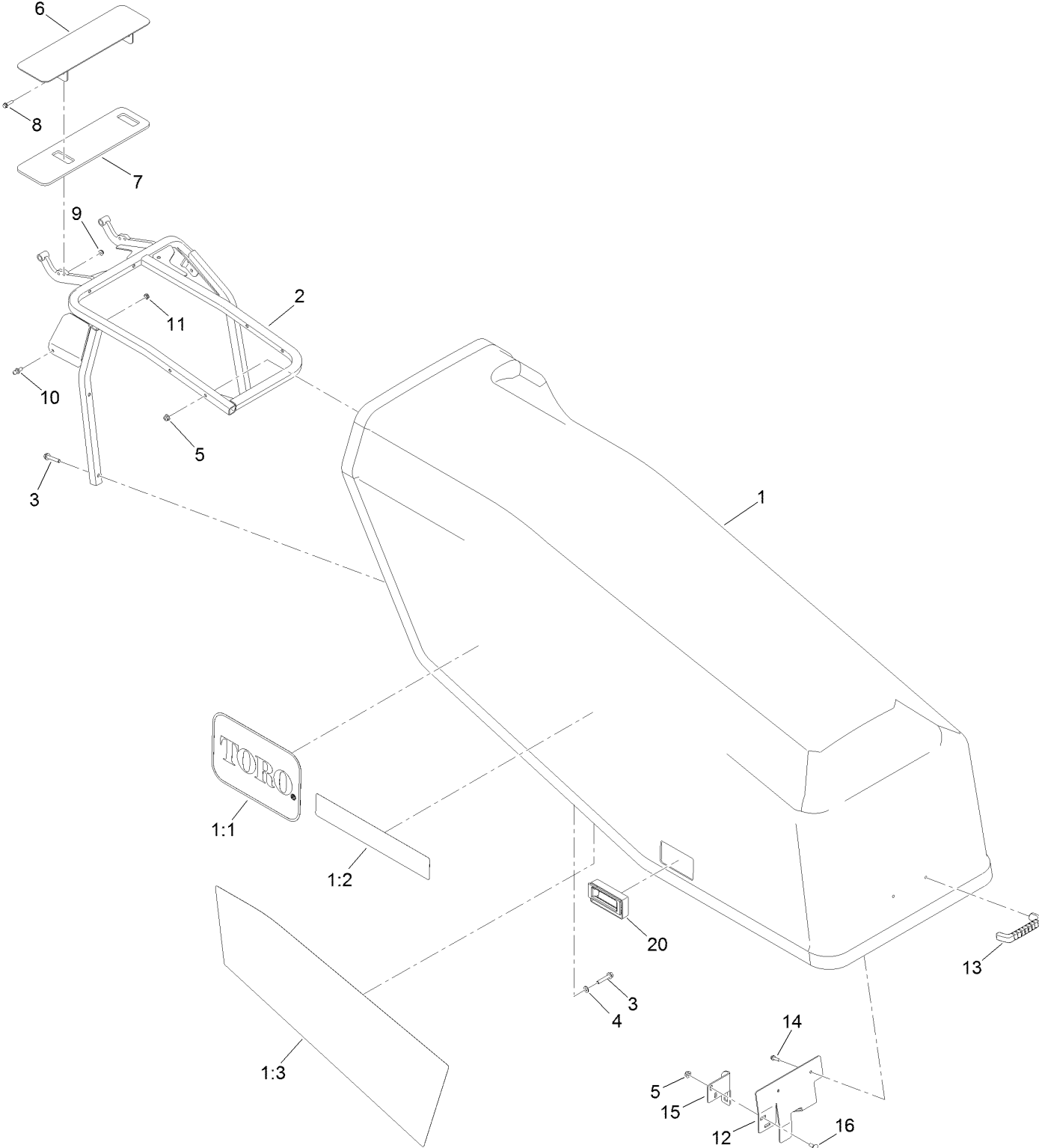
Hood Assembly



Hood 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	133-9530	1	Front Hood ASM	19	1-803035	8	Rivet-Pop
2	133-9540	1	Rear Hood ASM	20	137-8341	2	Spring-Gas, Non Locking
3	137-8383	1	Rear Panel ASM	21	137-5235	4	Clip-Locking, Gas Spring
3:1	125-6107	1	Decal-Warning, Crushing	22	105-3650	1	Cable-Hood
3:2	137-7170	1	Decal-Danger, No Riders, Rear	23	283-58	2	Pin-Clevis
3:3	137-7172	1	Decal-Danger, Back Up	24	3290-307	2	Pin-Cotter
4	137-1706-03	1	Panel-Front, Left	25	283-40	2	Pin-Clevis
5	137-8386	1	Right Front Panel ASM	26	3290-343	2	Pin-Hair
5:1	137-7167	1	Decal-Warning, Thrown Objects	27	3272-11	2	Pin-Cotter
6	137-7163-03	1	Bracket-Valve And Hood	28	108-2024	1	Hinge
7	137-1713-03	1	Panel-Service, Front	29	137-7108-03	1	Plate-Fill, Hinge
8	137-1710-03	1	Panel-Service, Rear	30	137-7105-03	1	Door-Rear
9	138-1256-03	1	Bracket-Mount, Service Panel	31	137-7107	1	Plate-Fill, Latch
10	138-1257-03	1	Panel-Left Side, Rear	32	3290-409	5	Rivet
11	AU50GB2302	3	Latch-Trigger, Raised (W/Lock)	33	3290-321	3	Screw-HWH
11:1	131-0148	1	Key-Replacement	34	120-4578	3	Nut-HF
12	115-6941	2	Spacer	35	137-7102-03	1	Bracket-Reel, Cable
13	98-5398	2	Latch	36	137-7103-03	1	Panel-Cable
14	99-8970	1	Key-Latch, Hood	37	120-1541	1	Grommet
15	233-70	4	Knob-Star, Three	38	2412-39	2	Clamp-R
16	609900	2	Nut-Speed	39	137-7104-03	1	Tube-Stake
17	114-5619	4	Plate-Grommet	40	3234-42	18	Screw-HHF
18	114-4869	4	Grommet	41	104-8301	29	Nut-HF, NI
				42	3231-22	6	Screw-CARR
				43	3234-25	5	Screw-HHF
				44	137-7162-03	1	Bracket-Cradle, Pendant
				45	117-2718	1	Decal-Arrester, Spark

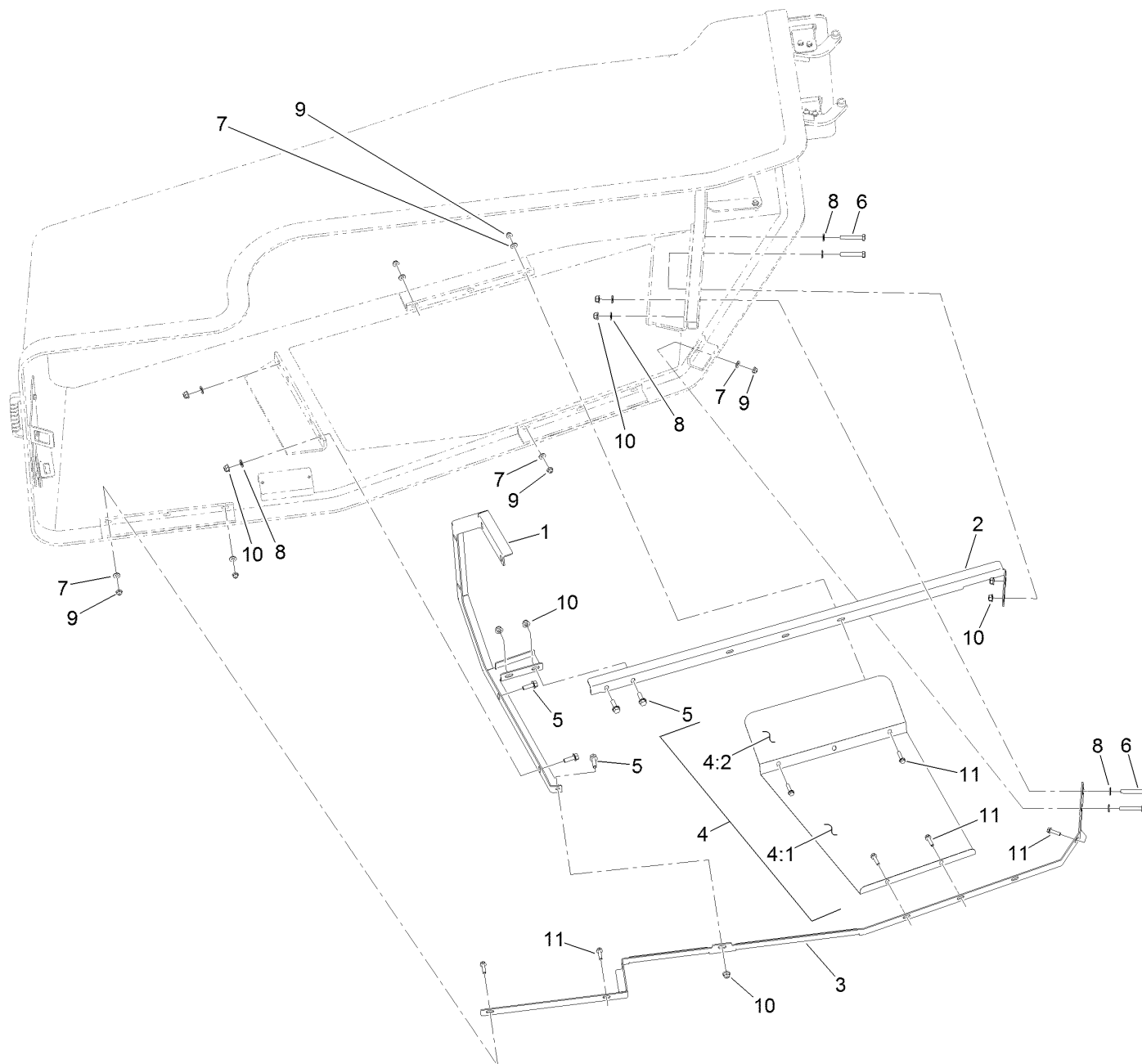
Front Hood Assembly No. 133-9530



Front Hood Assembly No. 133-9530 (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	137-1793	1	Front Hood ASM	9	104-7201	4	Nut-HF
1:1	114-0990	1	Decal	10	103-5752	2	Stud-Ball
1:2	125-6190	1	Decal-Dd2226	11	3296-47	2	Nut-Lock, NI
1:3	138-4765	1	Shielding-Heat, Front Hood	12	137-5251-03	1	Bracket-Mounting, Front Hood
2	133-9533-03	1	Frame-Hood, Front	13	65-5100	1	Handle-Door
3	94-5780	8	Screw-HWH	14	46-8091	2	Screw-HWH
4	3256-23	8	Washer-Plain	15	138-4764	1	Bracket-Catch, Front Hood
5	104-8300	10	Nut-HF, NI	16	3230-1	2	Bolt-CARR
6	133-9673-03	1	Hood Cover ASM	20	AU121497	1	Handle-Pull, Flush
7	136-8832	1	Foam-Cover, Hood Hinge				
8	120-4654	4	Screw-HHF				

Front Hood Support Assembly No. 133-9530



Front Hood Support Assembly No. 133-9530 (continued)

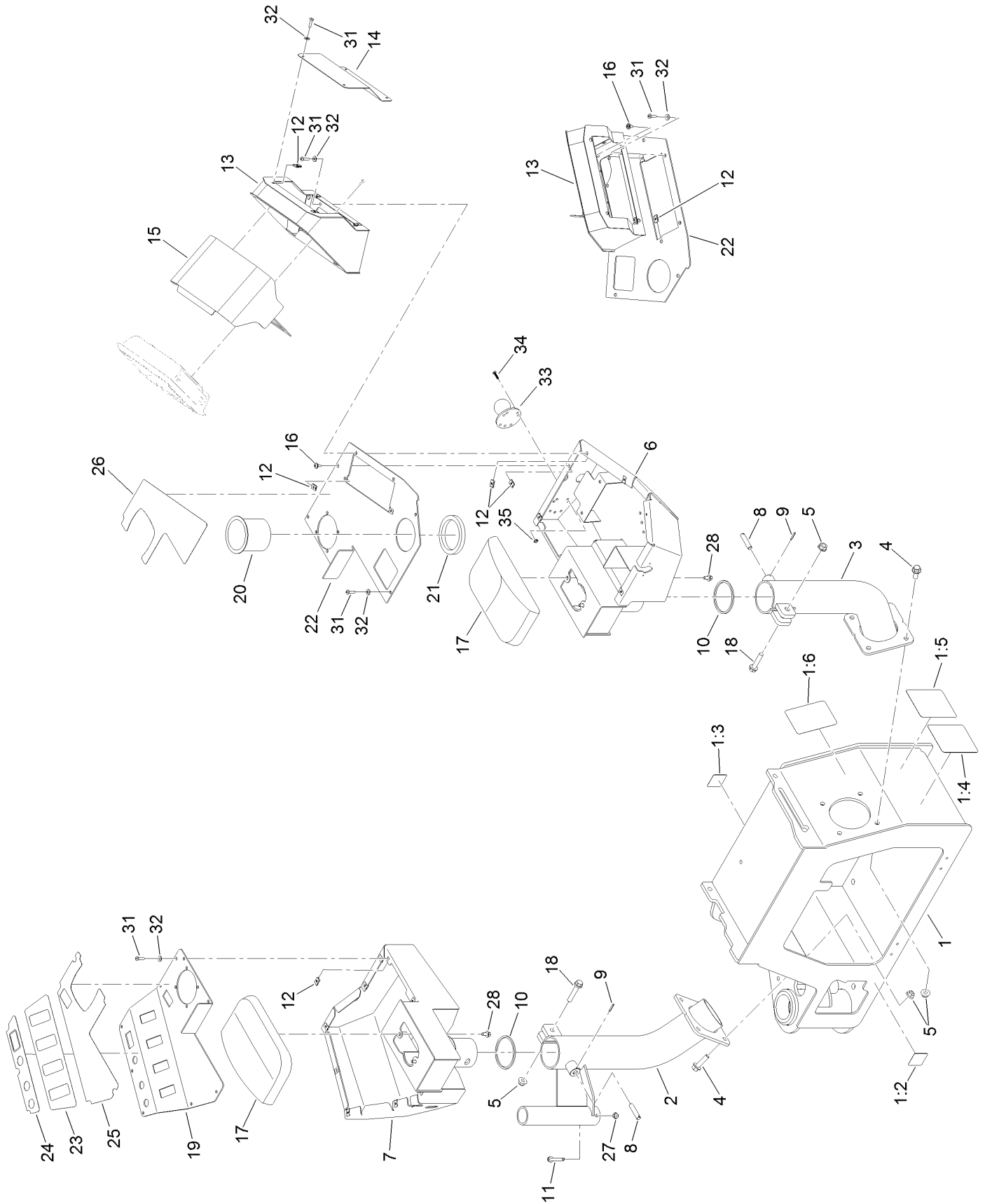
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	138-1291-03	1	Channel-Support	5	3234-29	9	Screw-HHF
2	138-1301-03	1	Support-Hood, Upper	6	322-10	4	Screw-HH
3	138-1302-03	1	Support-Edge, Front	7	3256-22	7	Washer-Flat
4	138-4771	1	Front Hood Heat Guard ASM	8	3256-23	12	Washer-Plain
4:1	138-4766	1	Shielding-Heat, Lower Guard	9	104-7201	7	Nut-HF
4:2	138-4767	1	Shielding-Heat, Upper Guard	10	104-8300	13	Nut-HF, NI
				11	120-4654	7	Screw-HHF

[illegible]

Rear Hood Assembly No. 133-9540 (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	137-1794	1	Hood-Rear	8	117-2382	23	Plug-Plastic
2	133-9549-03	1	Screen-Rear	9	65-5100	1	Handle-Door
3	133-9570-03	1	Screen-Side	10	137-1804-03	1	Plate-Handle, Rear Hood
4	138-1346-03	1	Frame-Hood, Rear	11	46-8091	2	Screw-HWH
5	94-5780	8	Screw-HWH	12	138-1324-03	1	Bracket-Mount, Rear Catch
6	3256-70	6	Washer-Flat	13	138-1325	1	Bracket-Catch, Rear
7	104-8300	10	Nut-HF, NI	14	3230-1	2	Bolt-CARR

Operator Platform Assembly

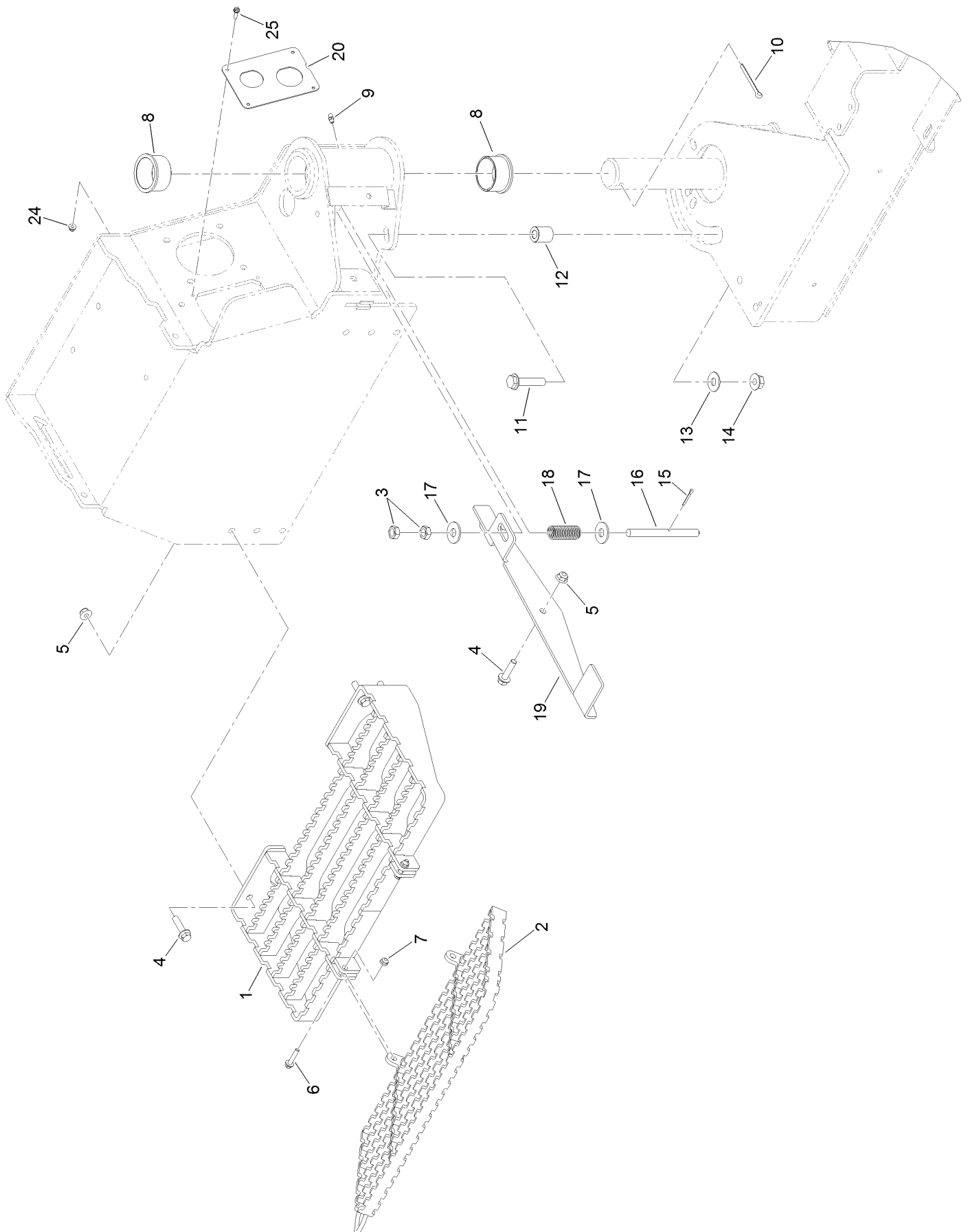


Operator Platform Assembly (continued)

<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	138-1265	1	Operator Console ASM	16	109-2661	2	Screw-PPH
1:2	125-6140	1	Decal-Seat Adjust	17	137-5207	2	Pad-Arm
1:3	137-7175	1	Decal-Seat Adjust	18	108-3742	2	Screw-HHF
1:4	137-7168	1	Decal-Danger, Shock	19	136-8910-03	1	Plate-Console Top, LH
1:5	137-7171	1	Decal-Danger, No Riders (Front)	20	94-1410	1	Holder-Can, Beverage
1:6	137-7172	1	Decal-Danger, Back Up	21	104-1476	1	Ring-Rubber
2	136-8869-01	1	Arm-Console, LH	22	137-1701-03	1	Plate-Console Side, RH
3	136-8866-01	1	Arm-Console, RH	23	125-6193	1	Decal-Control Switches
4	119-4061	8	Screw-HHF	24	125-6194	1	Decal-Control Indicators
5	104-8301	10	Nut-HF, NI	25	137-7176	1	Decal-Left Joystick
6	136-8888-03	1	Console-RH	26	137-7177	1	Decal-Right Joystick
7	136-8889-03	1	Console-LH	27	104-7201	1	Nut-HF
8	136-8933	2	Pin-W/Cross Hole	28	3234-13	4	Screw-HHF
9	32121-8	2	Pin-Roll, Slotted	31	3250-13	20	Screw-PPH
10	136-8890	2	Ring-Wear, Console Arm	32	3256-77	20	Washer-Flat
11	3234-34	1	Screw-HHF	33	138-1267	1	Mount-Ram (2-1/2 DIA Base W/1.5)
12	107-1013	22	Nut-Speed, U-Type	34	363-6530	3	Screw-Phph Sst
13	137-1700-03	1	Cover-Display	35	3296-54	3	Nut-Lock
14	136-8894-03	1	Plate-Bottom Arm, RH	99	138-1254	1	Cover-Console, RH ●
15	137-8387-03	1	Visor-Display	99	138-1255	1	Cover-Console, LH ●

● Not illustrated

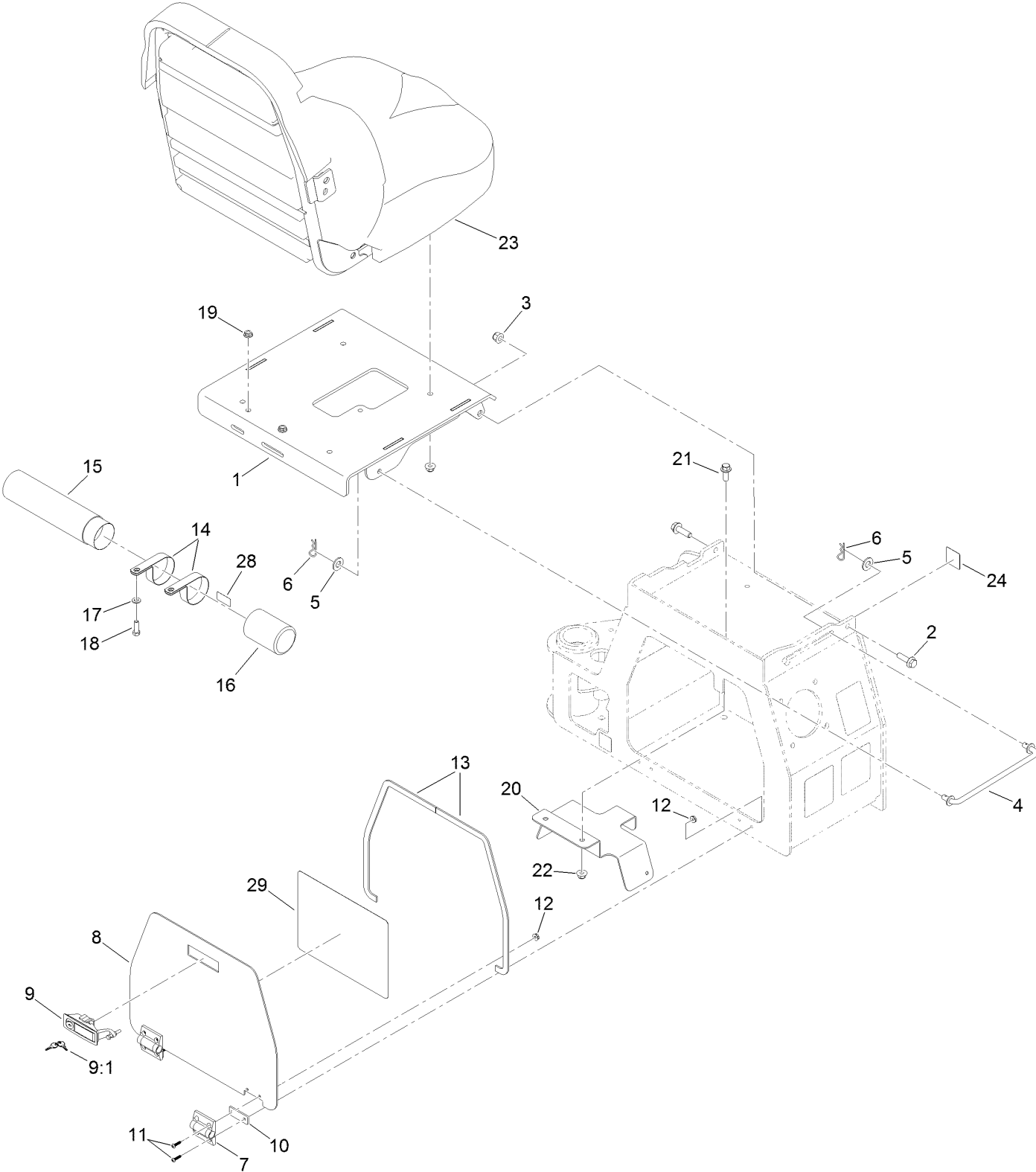
Operator Console Assembly



Operator Console 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	138-1270-01	1	Platform-Console, Lower	12	116-4317	1	Spacer
2	138-1276-01	1	Platform-Console, Upper	13	3256-5	1	Washer-Flat
3	3218-18	2	Nut-Jam	14	108-3745	1	Nut-HHF, Whiz
4	114-4681	5	Screw-HHF	15	3272-11	1	Pin-Cotter
5	104-8301	5	Nut-HF, NI	16	136-8846	1	Rod-Swing, Seat
6	3234-21	2	Screw-HHF	17	AU495-81163	2	Washer-Flat
7	104-7201	2	Nut-HF	18	AU109011	1	Spring-Pivot Lock, Seat
8	93-4665	2	Bushing-Flange	19	136-8922-03	1	Handle-Console, Seat Pivot
9	302-5	1	Fitting-Grease	20	136-8934-01	1	Plate-Harness, Mount
10	3272-37	1	Pin-Cotter	24	120-4578	4	Nut-HF
11	3234-46	1	Screw-HHF	25	32105-13	4	Screw-HWH

Seat Assembly

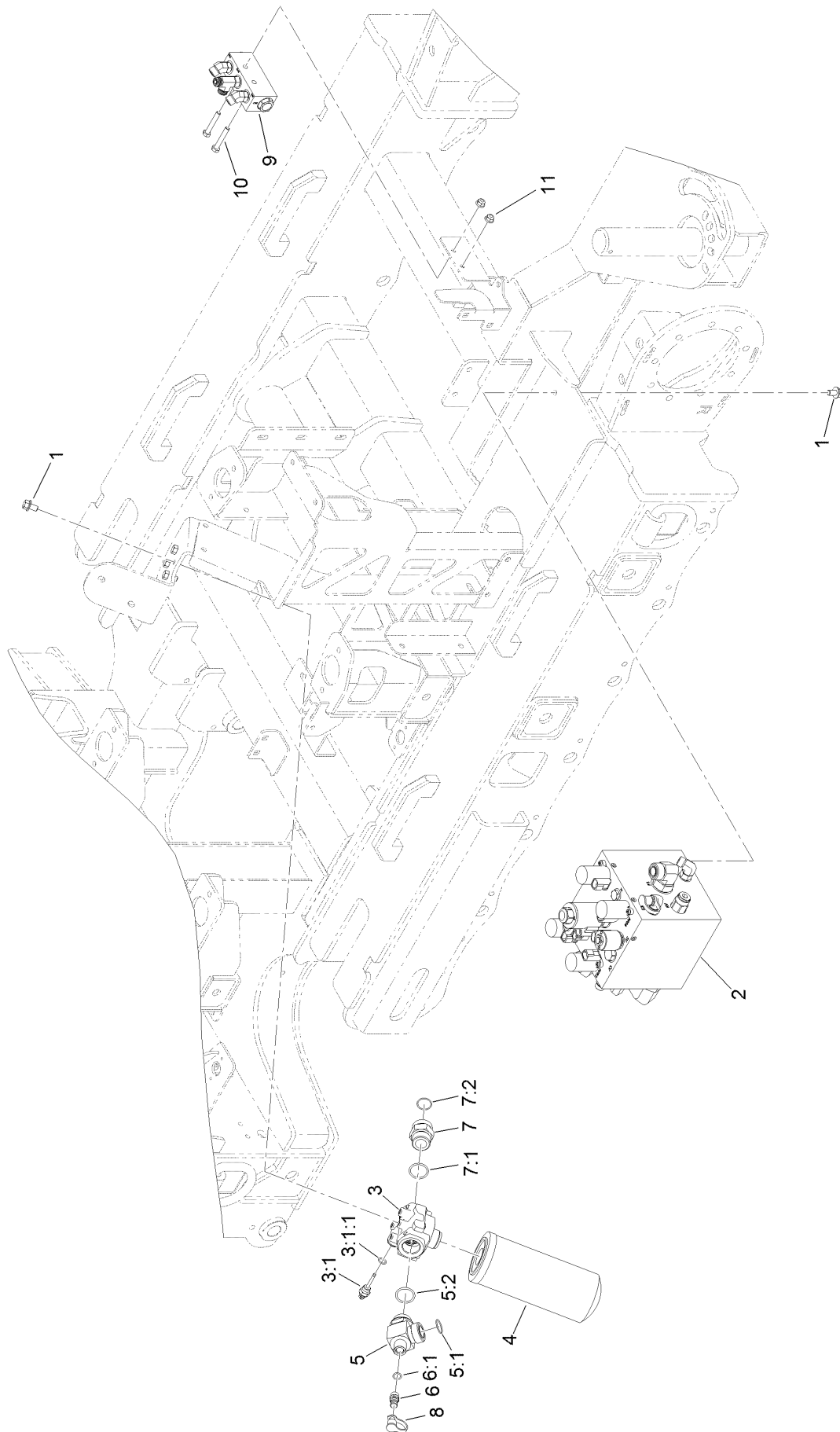


Seat Assembly (continued)

<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	137-5221-03	1	Base-Seat	14	2412-133	2	Clamp-R
2	33105-035	2	Screw-HHF	15	104-7050	1	Tube-Manual
3	103-9511	2	Nut-Lock, NI	16	104-7048	1	Cap-Housing
4	AU109357	1	Rod-Prop, Seat	17	3256-23	2	Washer-Plain
5	108-1438	2	Washer-Hardened	18	322-5	2	Screw-HH
6	3290-467	2	Pin-Hair	19	32128-20	2	Nut-HF
7	AU123695	2	Hinge	20	122-0883-01	1	Bracket-Mounting, Harness
8	136-8859-01	1	Door-Storage, Console	21	3234-42	2	Screw-HHF
9	AU50GB2302	1	Latch-Trigger, Raised (W/Lock)	22	104-8301	6	Nut-HF, NI
9:1	131-0148	1	Key-Replacement ●	23	137-1806	1	Seat
10	137-5224	2	Spacer-Hinge	24	125-6152	1	Decal-Seat Slide
11	360-0137	8	Screw-PRH	28	119-2156	1	Production Year Decal Phantom
12	32149-8	8	Nut-Keps	29	137-7183	1	Decal-Service
13	131-2289	2	Foam-Radiator				

● Not illustrated

Traction Manifold and Hydraulic Filter Assembly



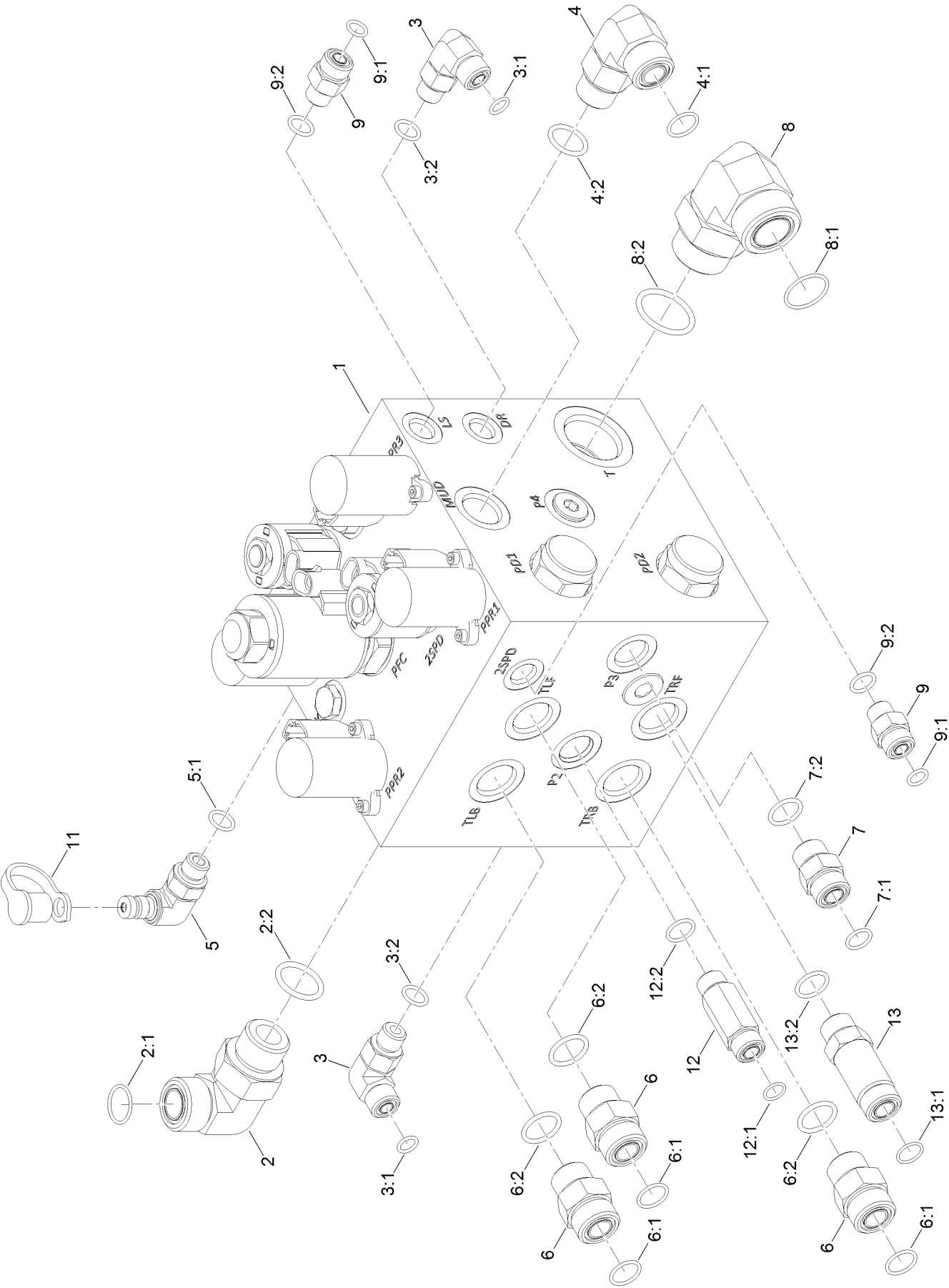
Traction Manifold and Hydraulic Filter Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3234-9	7	Screw-HHF
2		1	Traction Manifold ASM ●
3	133-5966	1	Hydraulic Filter ASM
3:1	69-1710	1	Switch-Indicator, Electrical
3:1:1	237-42	1	O-Ring
4	94-2621	1	Element-Filter
5	133-5965	1	Fitting-Tee
5:1	340-65	1	O-Ring
5:2	237-146	1	O-Ring
6	59-7410	1	Fitting-Diagnostic

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6:1	237-42	1	O-Ring
7	104-3797	1	Fitting-Straight
7:1	237-146	1	O-Ring
7:2	340-65	1	O-Ring
8	354-79	1	Cap-Dust
9		1	Charge Check Manifold ASM ●
10	322-10	2	Screw-HH
11	104-8300	2	Nut-HF, NI

● Not serviced separately

Traction Manifold Assembly

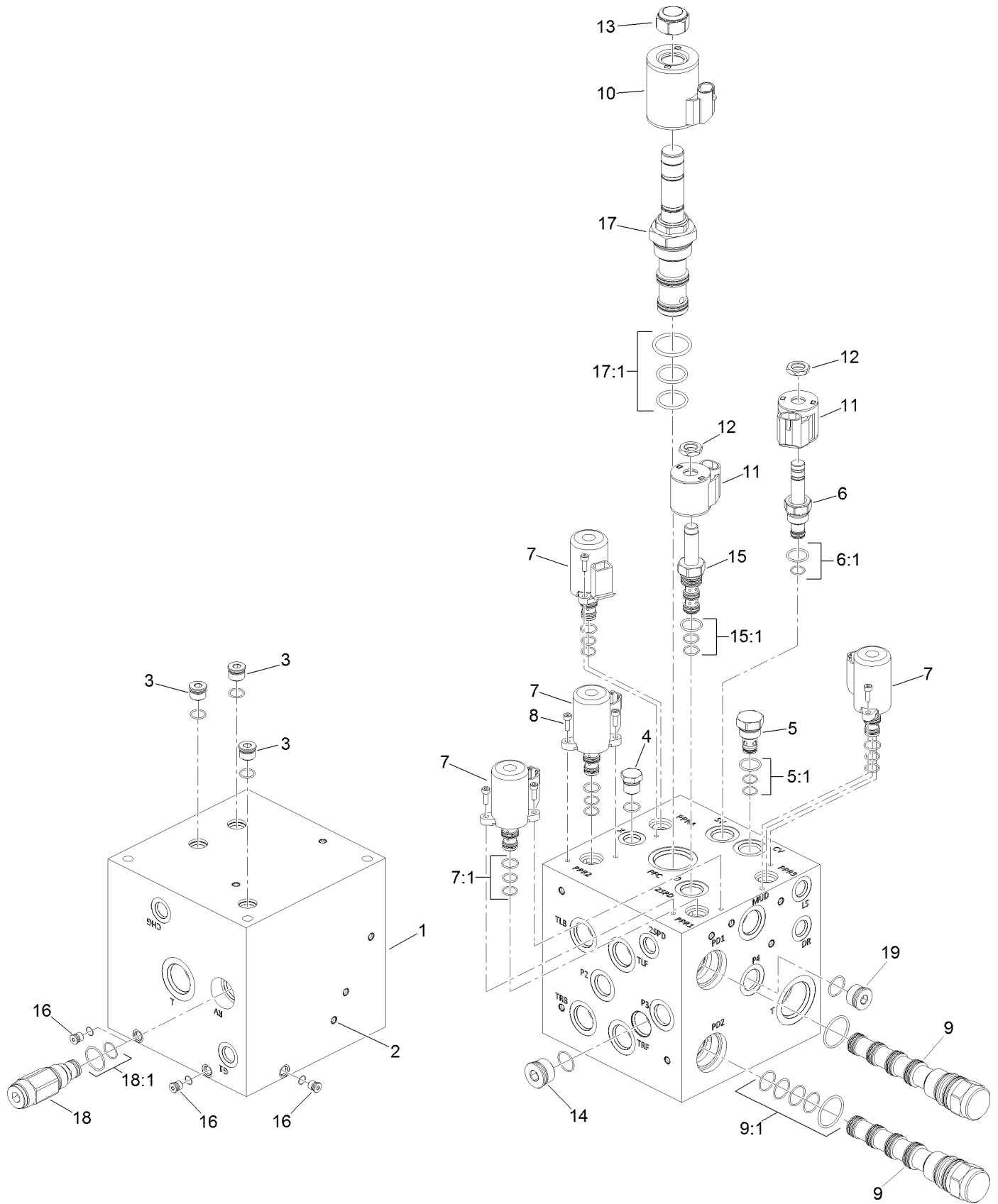


Traction Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-5950	1	Traction Manifold ASM
2	340-142	1	Fitting-Elbow-90
2:1	237-58	1	O-Ring
2:2	237-81	1	O-Ring
3	340-77	2	Fitting-Elbow, 90 DEG
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
4	340-17	1	Fitting-Elbow, 90 DEG
4:1	237-65	1	O-Ring
4:2	237-80	1	O-Ring
5	115-9148	1	Fitting-Elbow-90
5:1	237-42	1	O-Ring
6	340-7	3	Fitting-Straight
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	340-4	1	Fitting-Straight

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7:1	237-30	1	O-Ring
7:2	237-79	1	O-Ring
8	340-129	1	Fitting-Elbow, 90 DEG
8:1	237-146	1	O-Ring
8:2	340-65	1	O-Ring
9	340-2	2	Fitting-Straight
9:1	237-22	1	O-Ring
9:2	237-42	1	O-Ring
11	354-79	1	Cap-Dust
12	119-4854	1	Fitting-Str
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	137-1792	1	Fitting-Str-Long
13:1	237-65	1	O-Ring
13:2	237-80	1	O-Ring

Traction Manifold Assembly No. 133-5950

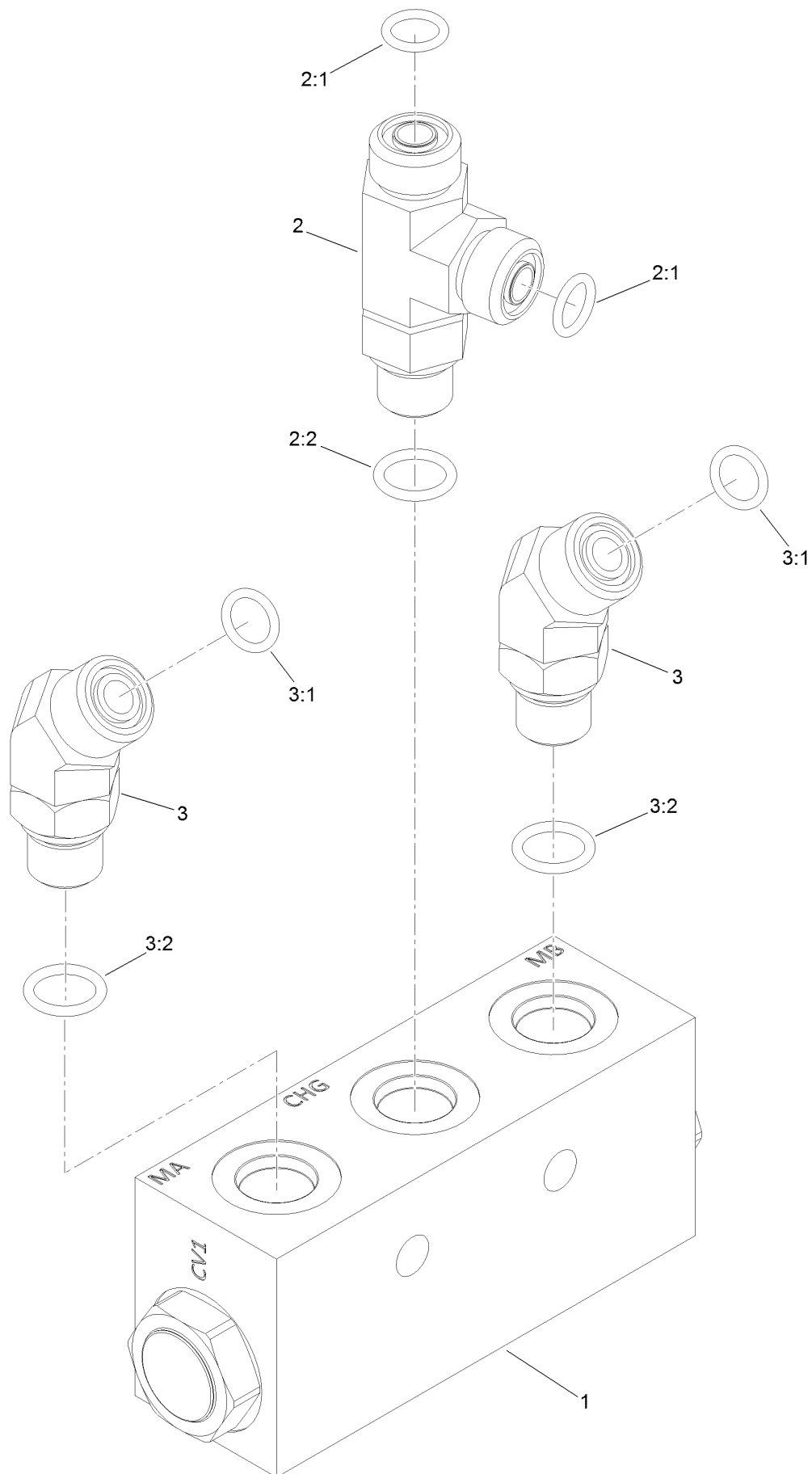


Traction Manifold Assembly No. 133-5950 (continued)

<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	Block-Manifold ●	10	120-2589	1	Coil-12Vdc
2		13	Plug-Expander ●	11	110-0497	2	Coil-Solenoid
3	112-9213	3	Plug	12	110-2634	2	Nut-Coil
4	131-1937	1	Plug-Leak, Zero	13	132-4186	1	Cap-Valve, Aluminum
5	137-8390	1	Check Valve ASM	14	106-1028	1	Plug-Leak, Zero
5:1	119-7716	1	Seal Kit	15	106-1995	1	Valve-3 Way
6	137-8391	1	Valve-Solenoid	15:1	110-8773	1	Seal Kit
6:1	138-4955	1	Seal Kit	16	106-1024	3	Plug-Leak, Zero
7	137-5141	4	Valve-Red/Rel, Proportional	17	137-8392	1	Valve-Proportional
7:1	136-1498	1	Seal Kit	17:1	138-4956	1	Seal Kit
8	131-6504	8	Screw-Shcs	18	137-5156	1	Valve-Relief, Poppet
9	137-5153	2	Valve-Proportional, Piloted	18:1	130-8183	1	Seal Kit
9:1	138-4954	1	Seal Kit	19	106-1027	1	Plug-HYD

● Not serviced separately

Charge Check Manifold Assembly

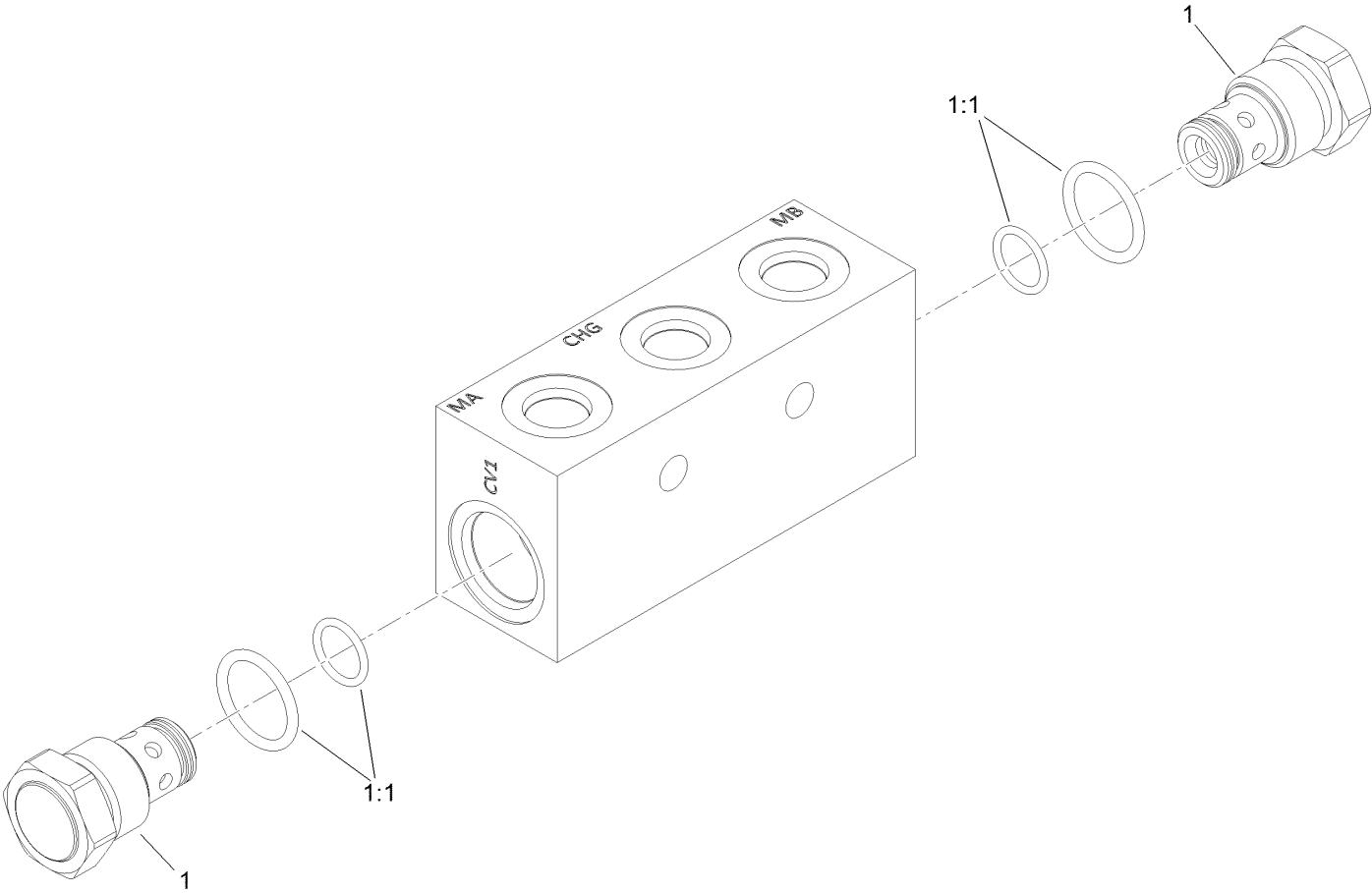


Charge Check Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5288	1	Manifold-Check, Charge
2	340-86	1	Fitting-Tee
2:1	237-22	2	O-Ring
2:2	237-42	1	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	340-87	2	Fitting-Elbow-45
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring

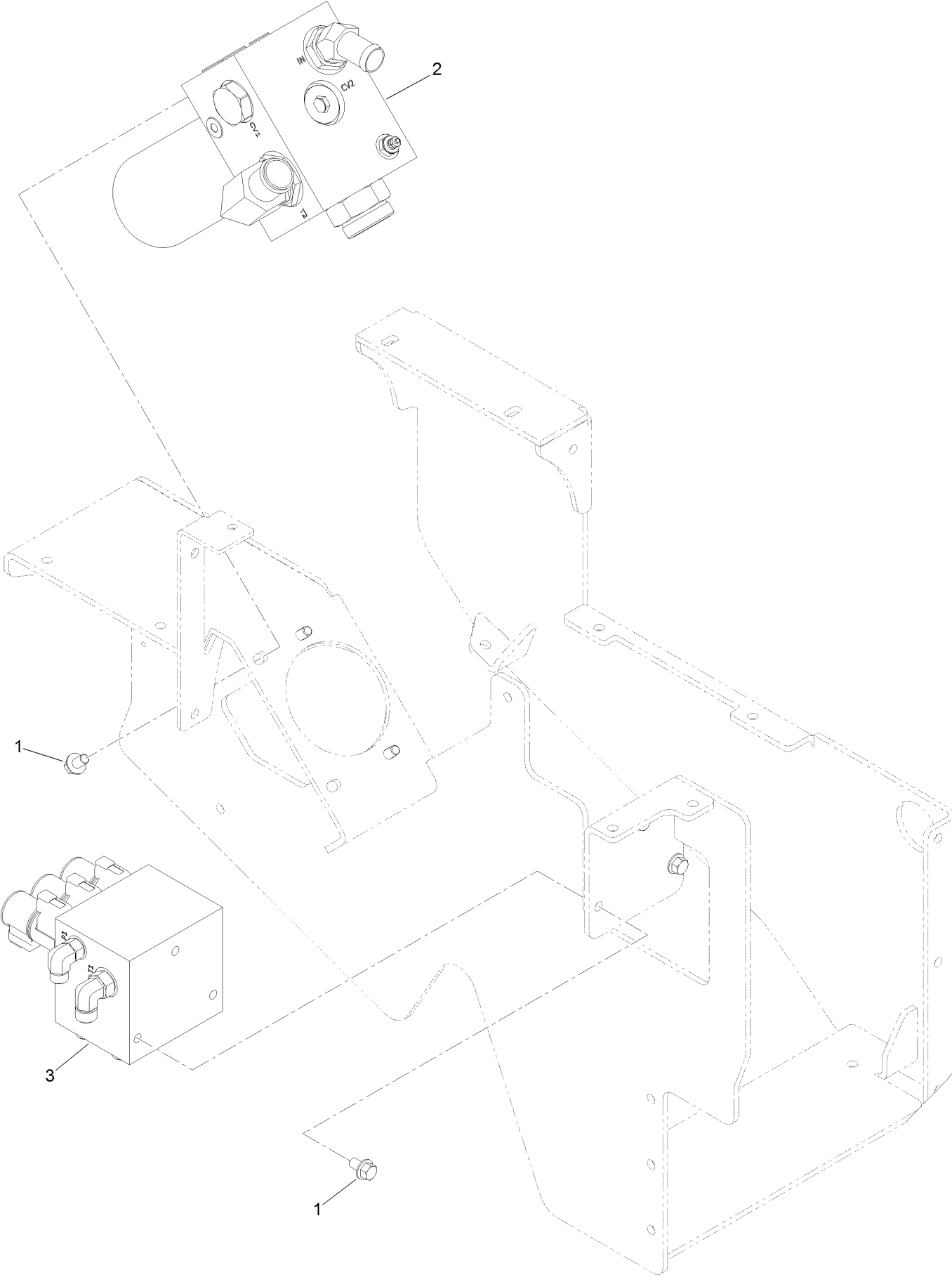
Charge Check Manifold Assembly No. 137-5288



Charge Check Manifold Assembly No. 137-5288 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	125-4333	2	Valve-Check
1:1	125-4337	1	Seal Kit

Return Manifold and Setup Manifold Assembly

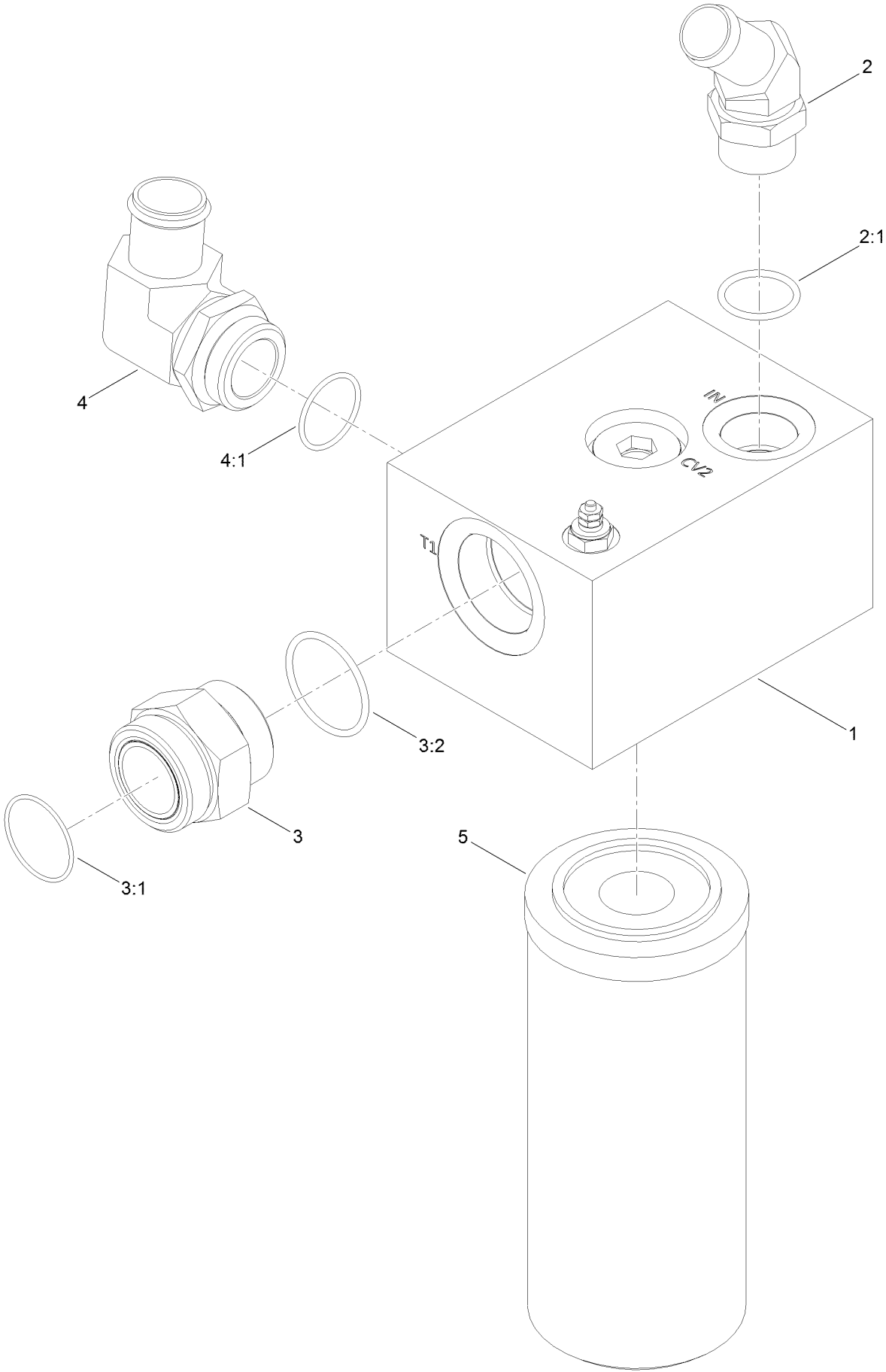


Return Manifold and Setup Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3234-9	7	Screw-HHF
2		1	Return Manifold ASM ●
3		1	Setup Manifold ASM ●

● Not serviced separately

Return Manifold Assembly

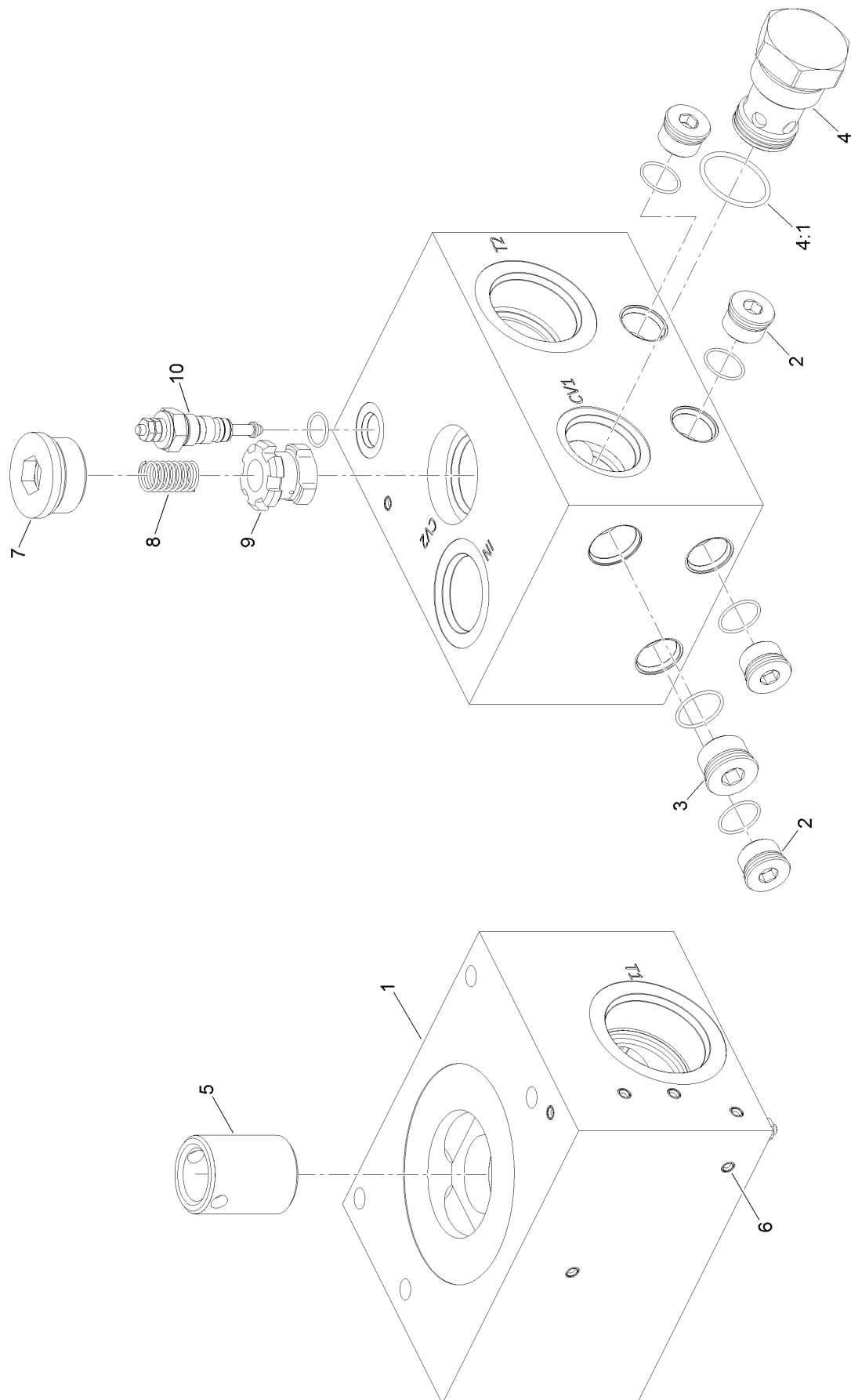


Return Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-5957	1	Return Manifold ASM
2	131-9612	1	Fitting-Elbow-45
2:1	237-146	1	O-Ring
3	133-5977	1	Fitting-Str
3:1	340-63	1	O Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:2	340-136	1	O-Ring
4	92-7526	1	Fitting-Elbow-90
4:1	237-101	1	O-Ring
5	94-2621	1	Element-Filter

Return Manifold Assembly No. 133-5957

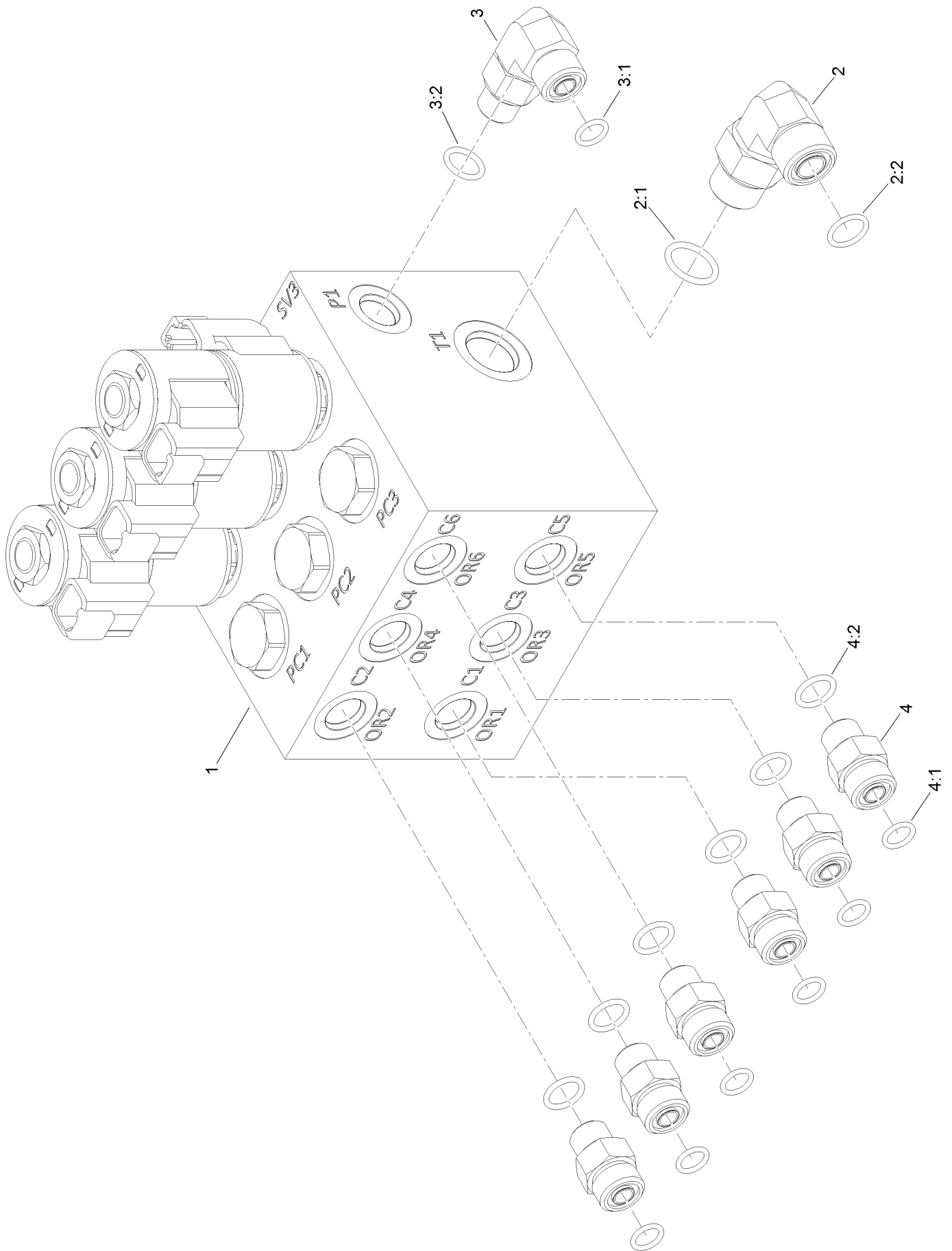


Return Manifold Assembly No. 133-5957 (continued)

<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	Block-Manifold ●	6		7	Plug-Expander ●
2	106-1027	4	Plug-HYD	7	133-2445	1	Plug-Socket, Hex
3	106-1028	1	Plug-Leak, Zero	8	137-5149	1	Spring-Compression
4	137-5138	1	Valve-Check	9	137-5158	1	Valve-Poppet
4:1	115-5416	1	Seal Kit	10	137-5150	1	Switch-Indicator, Elec
5	125-7551	1	Nipple-Filter				

● Not serviced separately

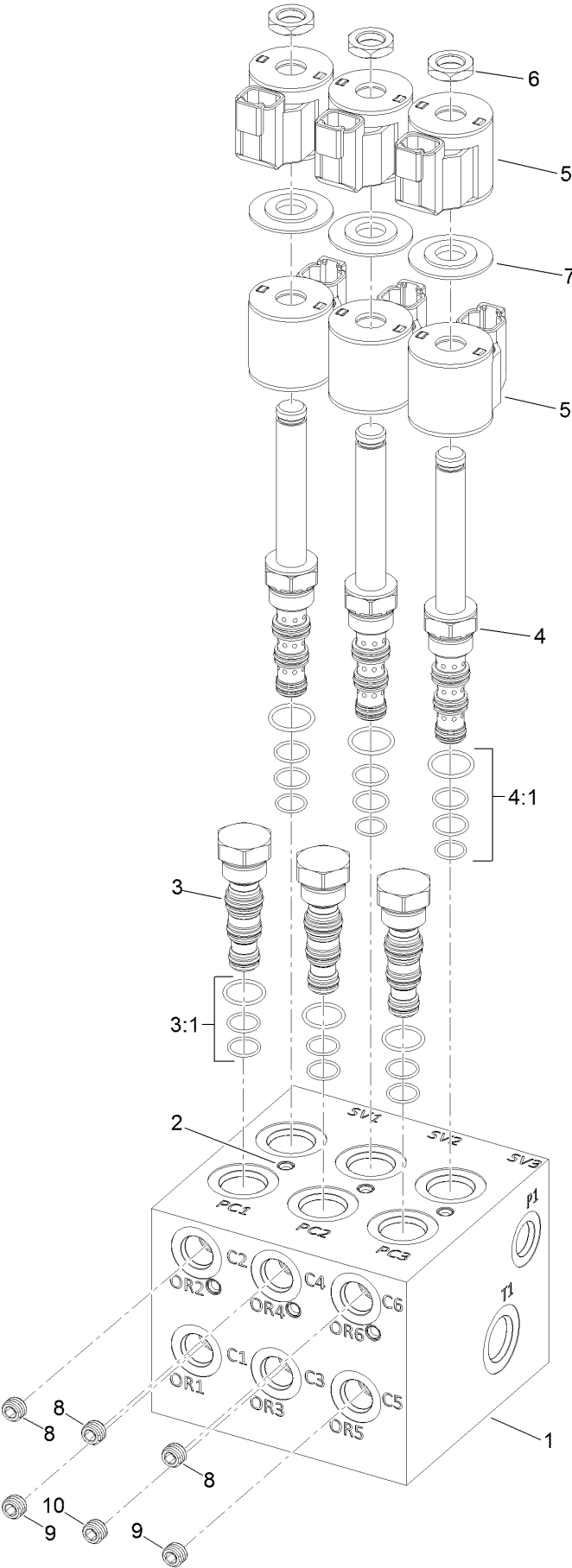
Setup Manifold Assembly



Setup 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	133-5955	1	Setup Manifold ASM	3:1	237-22	1	O-Ring
2	340-98	1	Fitting-Elbow, 90 DEG	3:2	237-42	1	O-Ring
2:1	237-79	1	O-Ring	4	340-2	6	Fitting-Straight
2:2	237-30	1	O-Ring	4:1	237-22	1	O-Ring
3	340-77	1	Fitting-Elbow, 90 DEG	4:2	237-42	1	O-Ring

Setup Manifold Assembly No. 133-5955

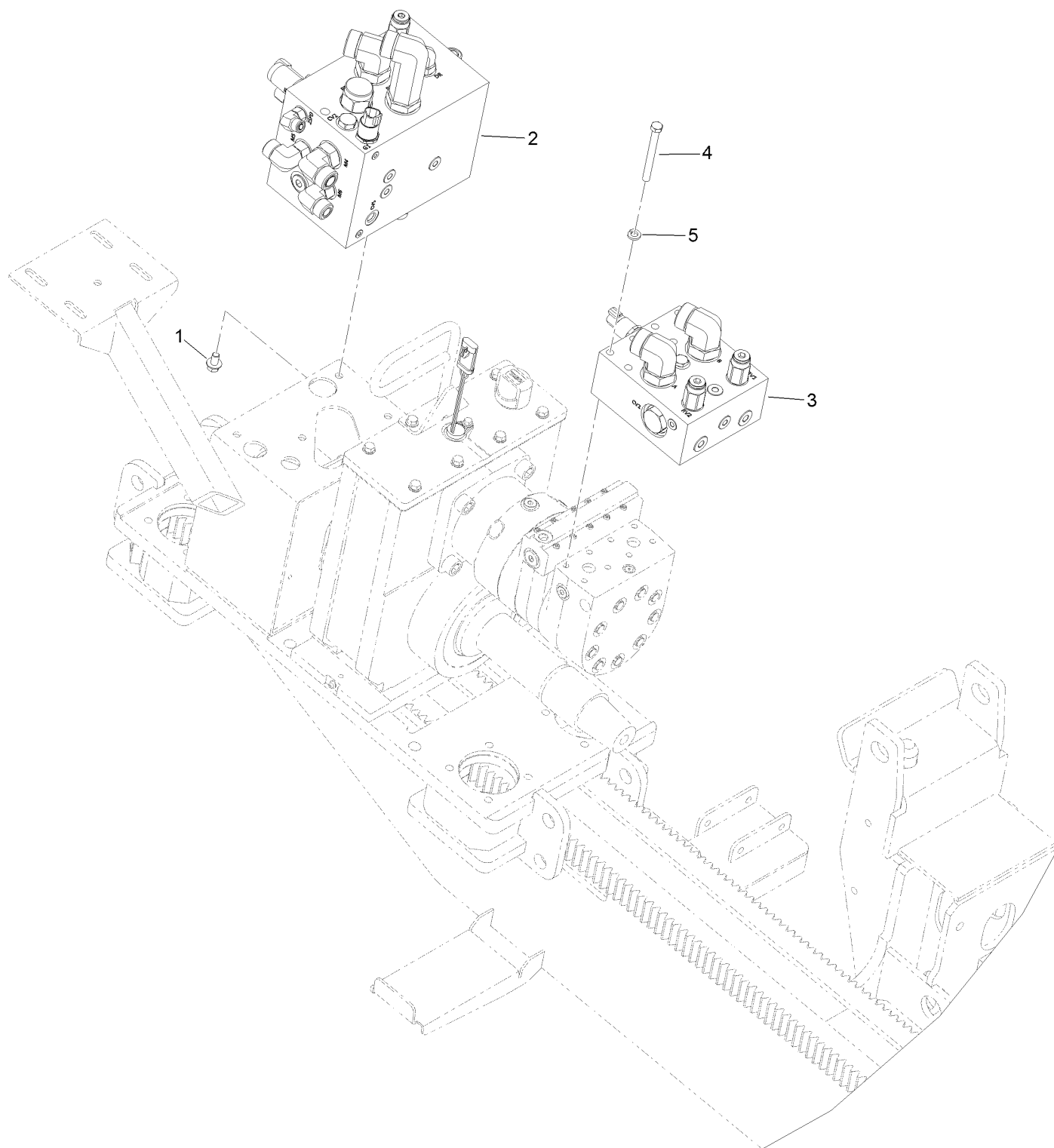


Setup Manifold Assembly No. 133-5955 (continued)

<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	Block-Manifold ●	5	119-8036	6	Coil
2		15	Plug-Expander ●	6	110-2634	3	Nut-Coil
3	137-5139	3	Valve-Check	7	120-2586	3	Spacer-Coil
3:1	138-4952	1	Seal Kit	8	112-9202	3	Orifice-Flow, Control (.060)
4	137-8393	3	Valve-Solenoid	9	112-6538	2	Orifice (.063 Inch)
4:1	138-4957	1	Seal Kit	10	107-7526	1	Plug-Orifice (.067)

● Not serviced separately

Thrust Manifold and Rotary Relief Manifold Assembly

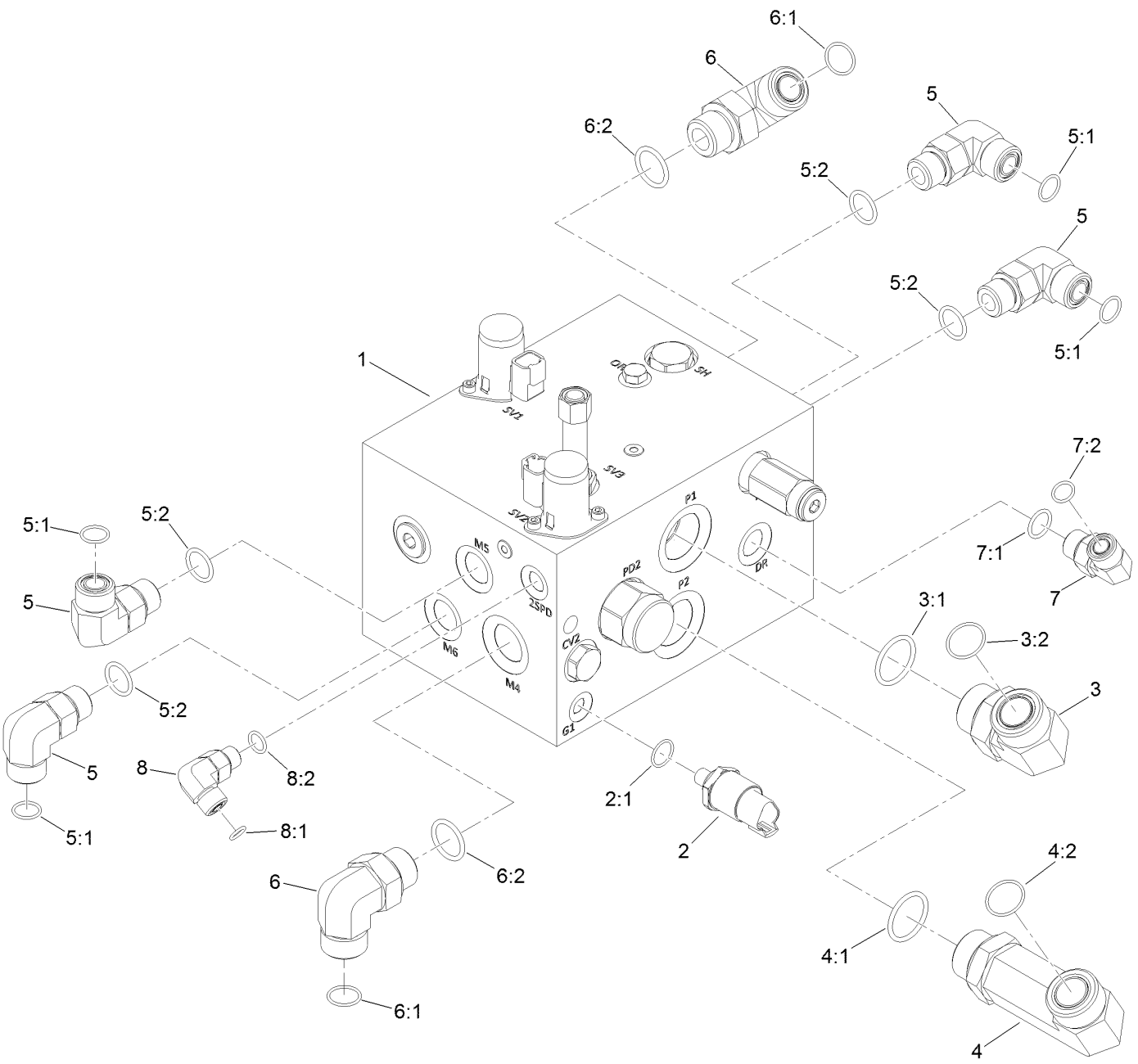


Thrust Manifold and Rotary Relief Manifold Assembly (continued)

<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	3234-9	4	Screw-HHF	4	116-9362	8	Screw-HH
2		1	Thrust Manifold ASM ●	5	3253-5	8	Washer-Lock
3		1	Rotary Relief Manifold ASM ●				

● Not serviced separately

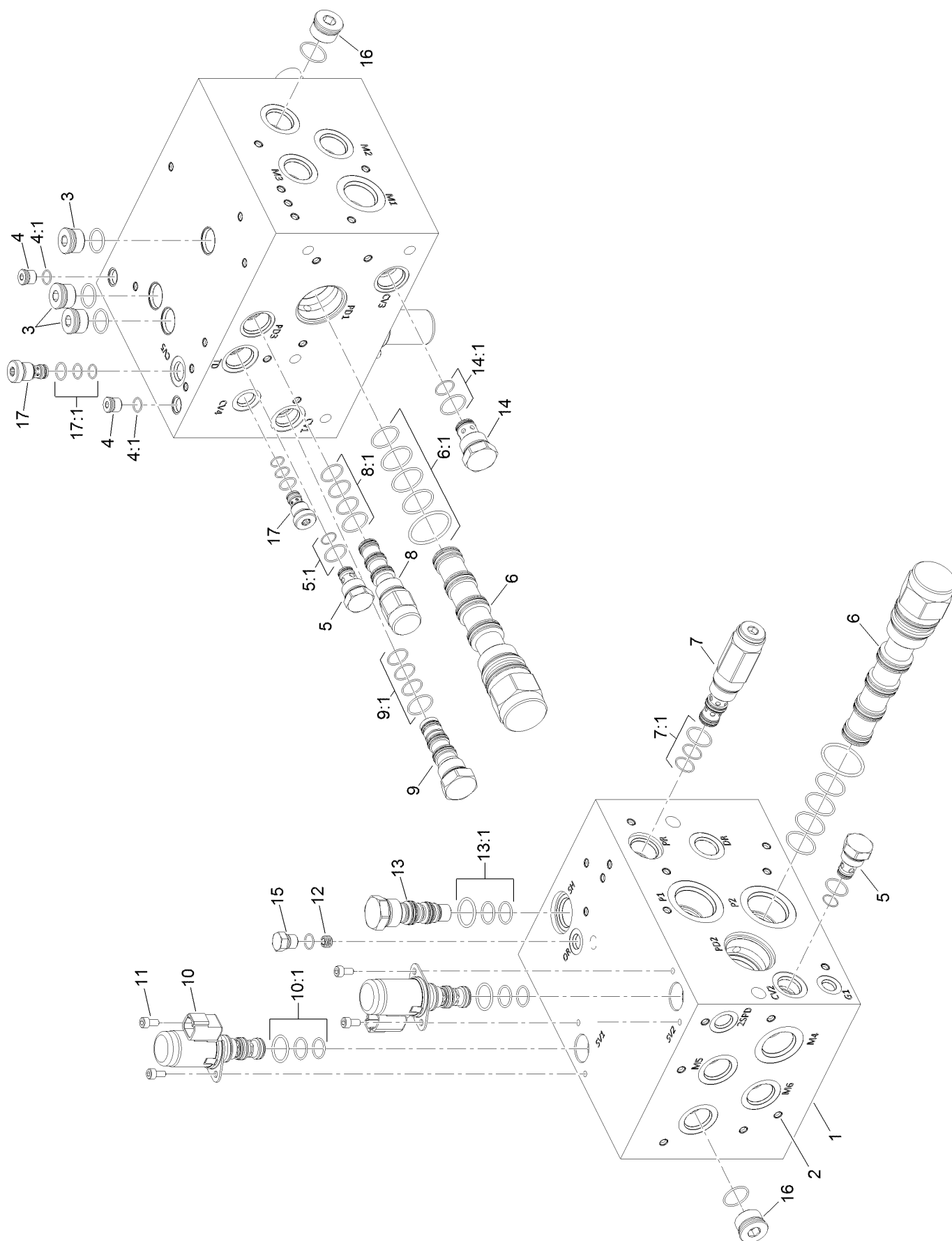
Thrust Manifold Assembly



Thrust 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	133-5951	1	Thrust Manifold ASM	5:2	237-80	1	O-Ring
2	125-6579	1	Transducer	6	340-142	2	Fitting-Elbow-90
2:1	131-8636	1	O-Ring	6:1	237-58	1	O-Ring
3	340-129	1	Fitting-Elbow, 90 DEG	6:2	237-81	1	O-Ring
3:1	237-146	1	O-Ring	7	340-98	1	Fitting-Elbow, 90 DEG
3:2	340-65	1	O-Ring	7:1	237-79	1	O-Ring
4	136-8948	1	Fitting-Elbow-90L	7:2	237-30	1	O-Ring
4:1	237-146	1	O-Ring	8	340-77	1	Fitting-Elbow, 90 DEG
4:2	340-65	1	O-Ring	8:1	237-22	1	O-Ring
5	340-17	4	Fitting-Elbow, 90 DEG	8:2	237-42	1	O-Ring
5:1	237-65	1	O-Ring				

Thrust Manifold Assembly No. 133-5951

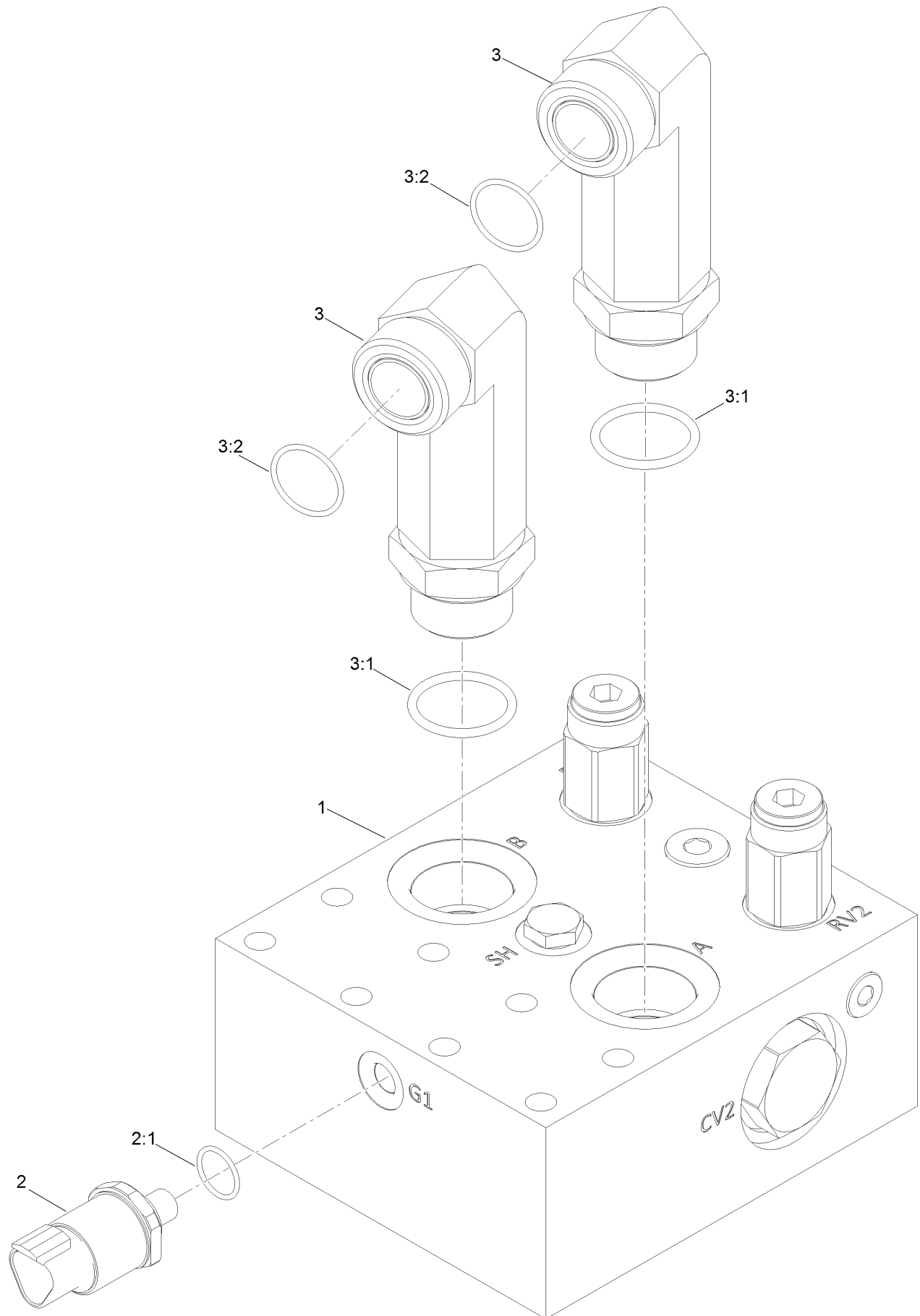


Thrust Manifold Assembly No. 133-5951 (continued)

<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	Block-Manifold ●	9:1	138-4953	1	Seal Kit
2		34	Plug-Expander ●	10	125-7554	2	Valve-Solenoid
3	106-1027	3	Plug-HYD	10:1	125-7561	1	Seal Kit
4	353-990	2	Plug ASM	11	132-4908	4	Screw-Cap, Soc HD
4:1	237-78	1	O-Ring	12	137-5127	1	Orifice
5	105-9321	2	Check Valve ASM	13	137-5145	1	Valve-Shuttle, Low Side
5:1	105-9156	1	Seal Kit	13:1	131-8637	1	Seal Kit
6	137-5152	2	Valve-Bias, Piloted Way	14	110-0469	1	Valve-Check, 180 PSI
6:1	111-6830	1	Seal Kit	14:1	105-9159	1	Seal Kit
7	137-5154	1	Valve-Pressure Reducing	15	117-0115	1	Plug
7:1	125-4334	1	Seal Kit	16	106-1028	2	Plug-Leak, Zero
8	132-4913	1	Vent-External, Piloted	17	136-1592	2	Valve-Poppet
8:1	110-8908	1	Spool Valve Seal Kit	17:1	136-1593	1	Seal Kit
9	137-5146	1	Valve-Torque Divider				

● Not serviced separately

Rotary Relief Manifold Assembly

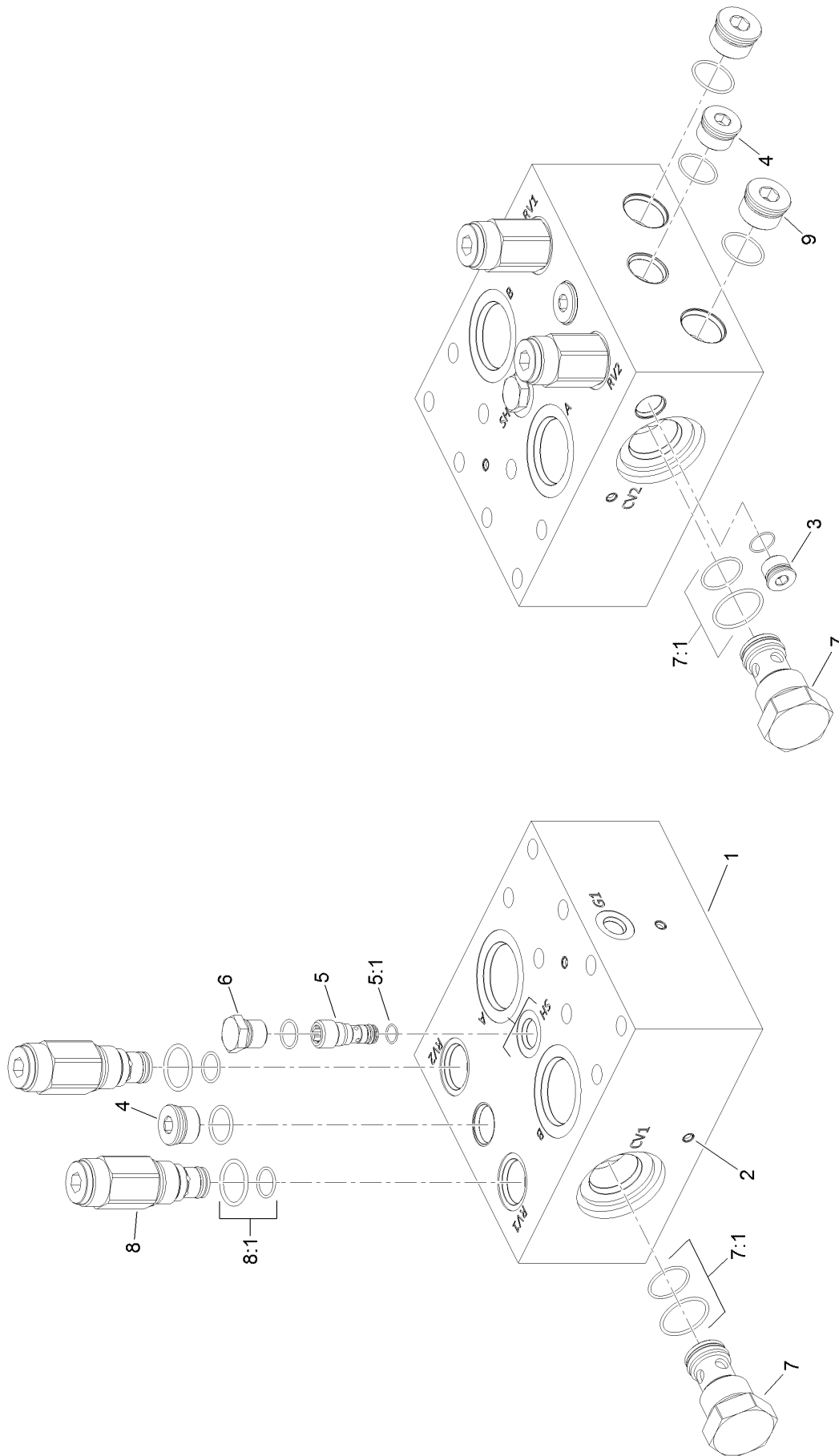


Rotary Relief Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-5961	1	Rotary Relief Manifold ASM
2	125-6579	1	Transducer
2:1	131-8636	1	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	136-8948	2	Fitting-Elbow-90L
3:1	237-146	1	O-Ring
3:2	340-65	1	O-Ring

Rotary Relief Manifold Assembly No. 133-5961



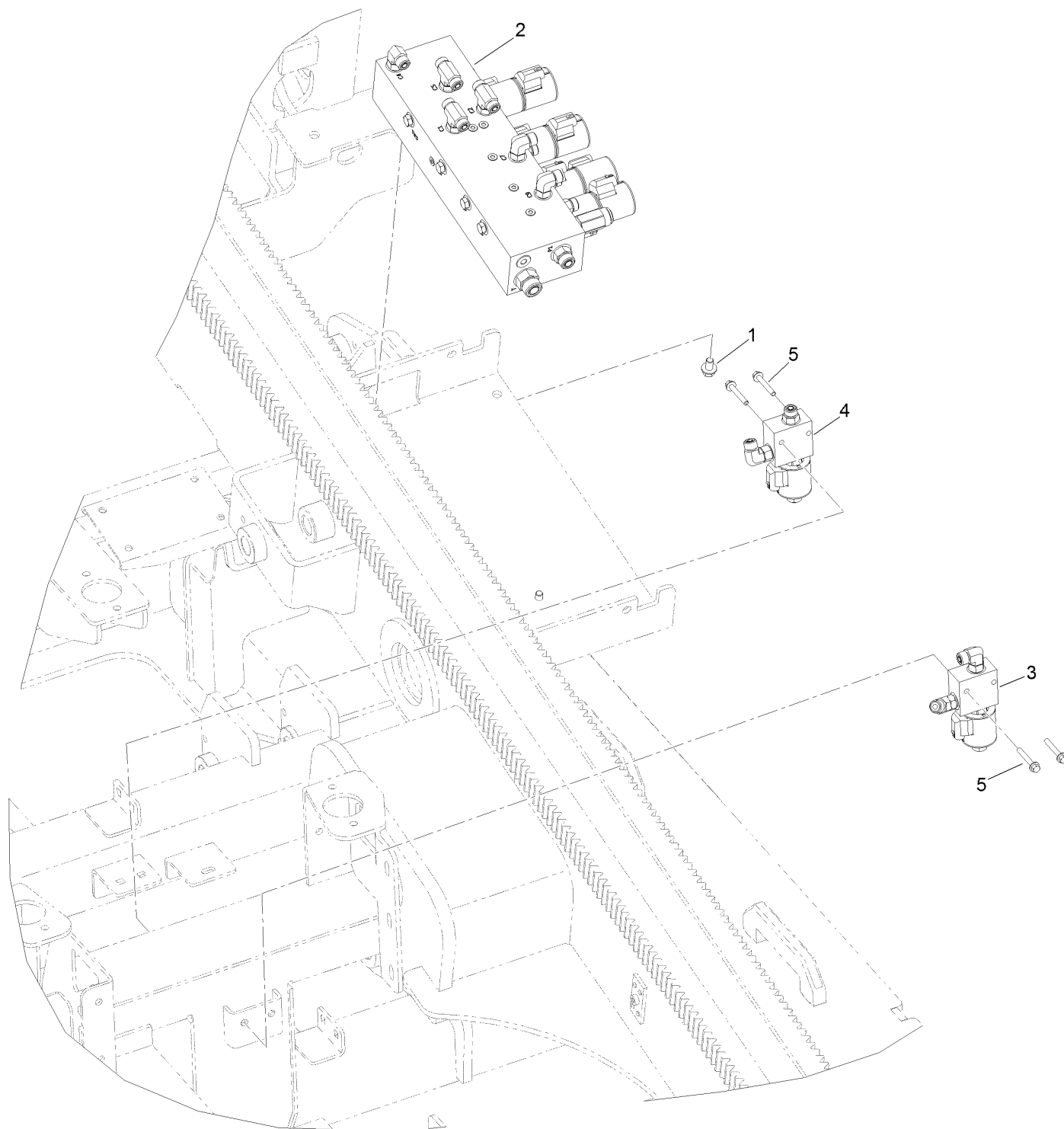
Rotary Relief Manifold Assembly No. 133-5961 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Block-Manifold ●
2		4	Plug-Expander ●
3	112-9213	1	Plug
4	106-1027	2	Plug-HYD
5	137-5144	1	Valve-Shuttle
5:1	130-8184	1	Seal Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6	131-1937	1	Plug-Leak, Zero
7	125-4328	2	Valve-Check
7:1	125-4336	1	Seal Kit
8	137-5157	2	Valve-Relief, Poppet
8:1	130-8183	1	Seal Kit
9	106-1028	2	Plug-Leak, Zero

● Not serviced separately

Loading and Proportional Relief Manifold Assembly

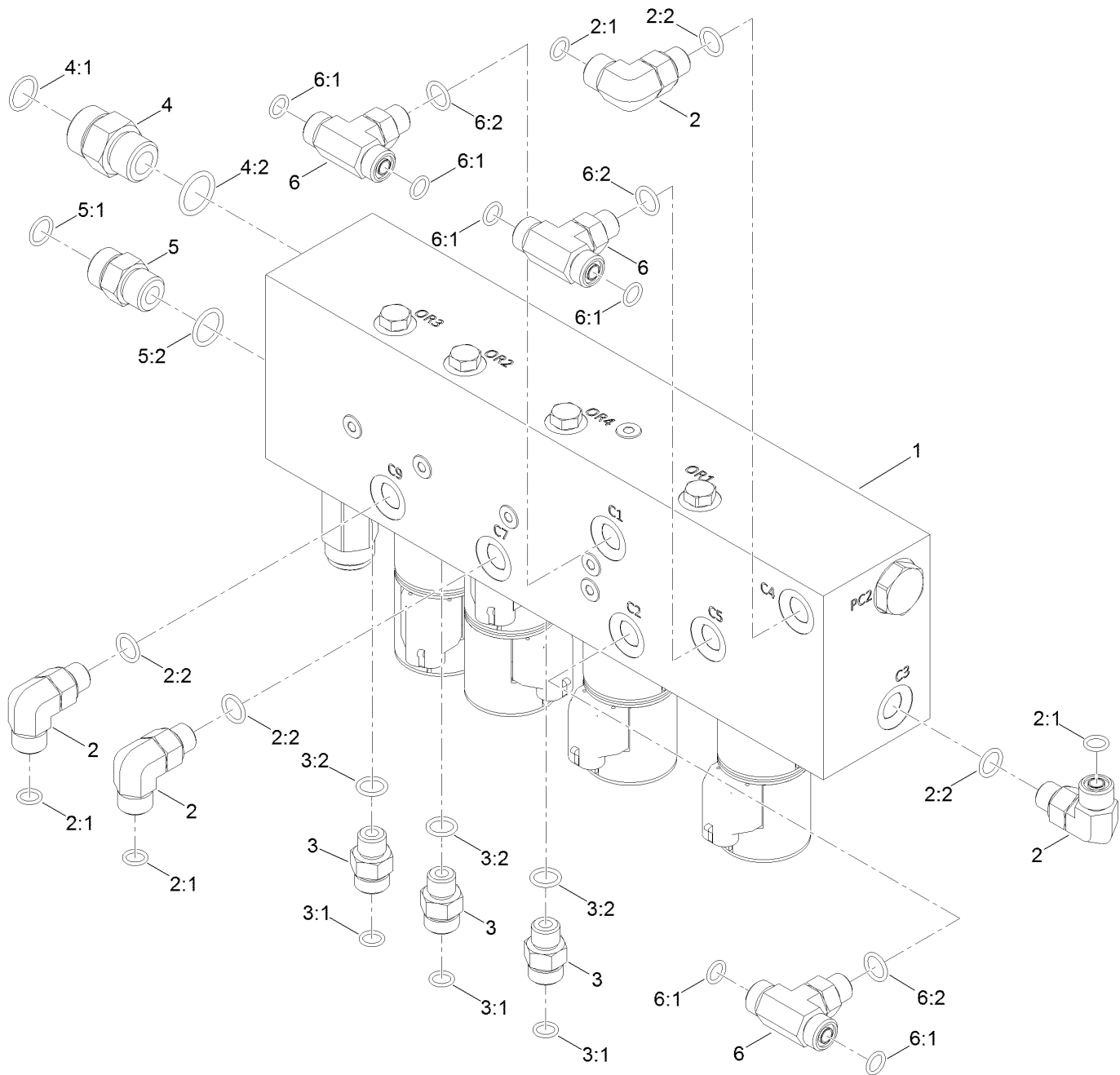


Loading and Proportional Relief Manifold Assembly (continued)

<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	3234-9	3	Screw-HHF	4		1	Rear Proportional Relief
2		1	Loading Manifold ASM ●			Manifold ASM ●	
3		1	Front Proportional Relief Manifold ASM ●	5	32105-18	4	Screw-HHF

● Not serviced separately

Loading Manifold Assembly

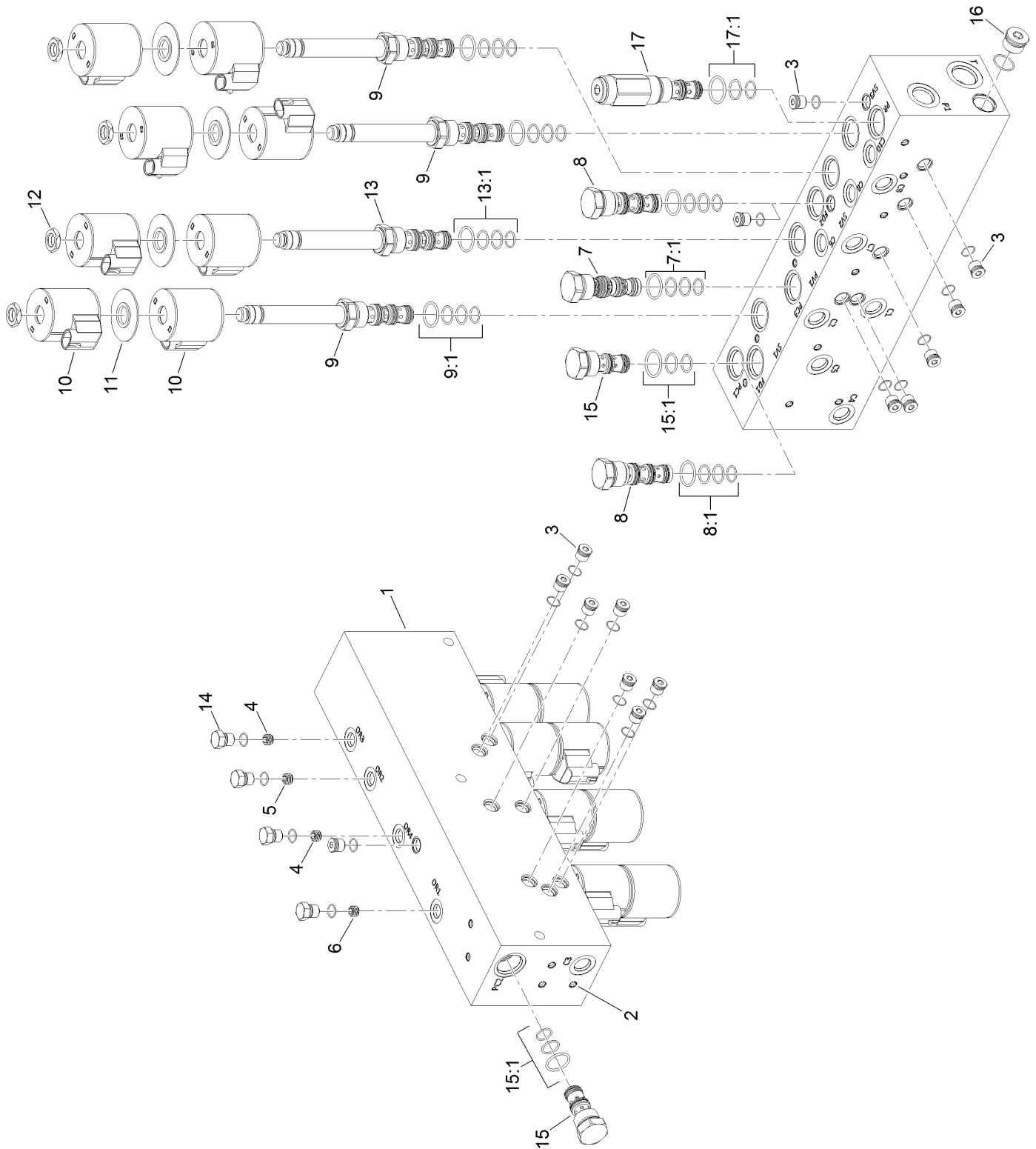


Loading Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-5954	1	Loading Manifold ASM
2	340-77	4	Fitting-Elbow, 90 DEG
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	340-2	3	Fitting-Straight
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
4	340-7	1	Fitting-Straight

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4:1	237-65	1	O-Ring
4:2	237-80	1	O-Ring
5	340-4	1	Fitting-Straight
5:1	237-30	1	O-Ring
5:2	237-79	1	O-Ring
6	340-94	3	Adapter
6:1	237-22	2	O-Ring
6:2	237-42	1	O-Ring

Loading Manifold Assembly No. 133-5954

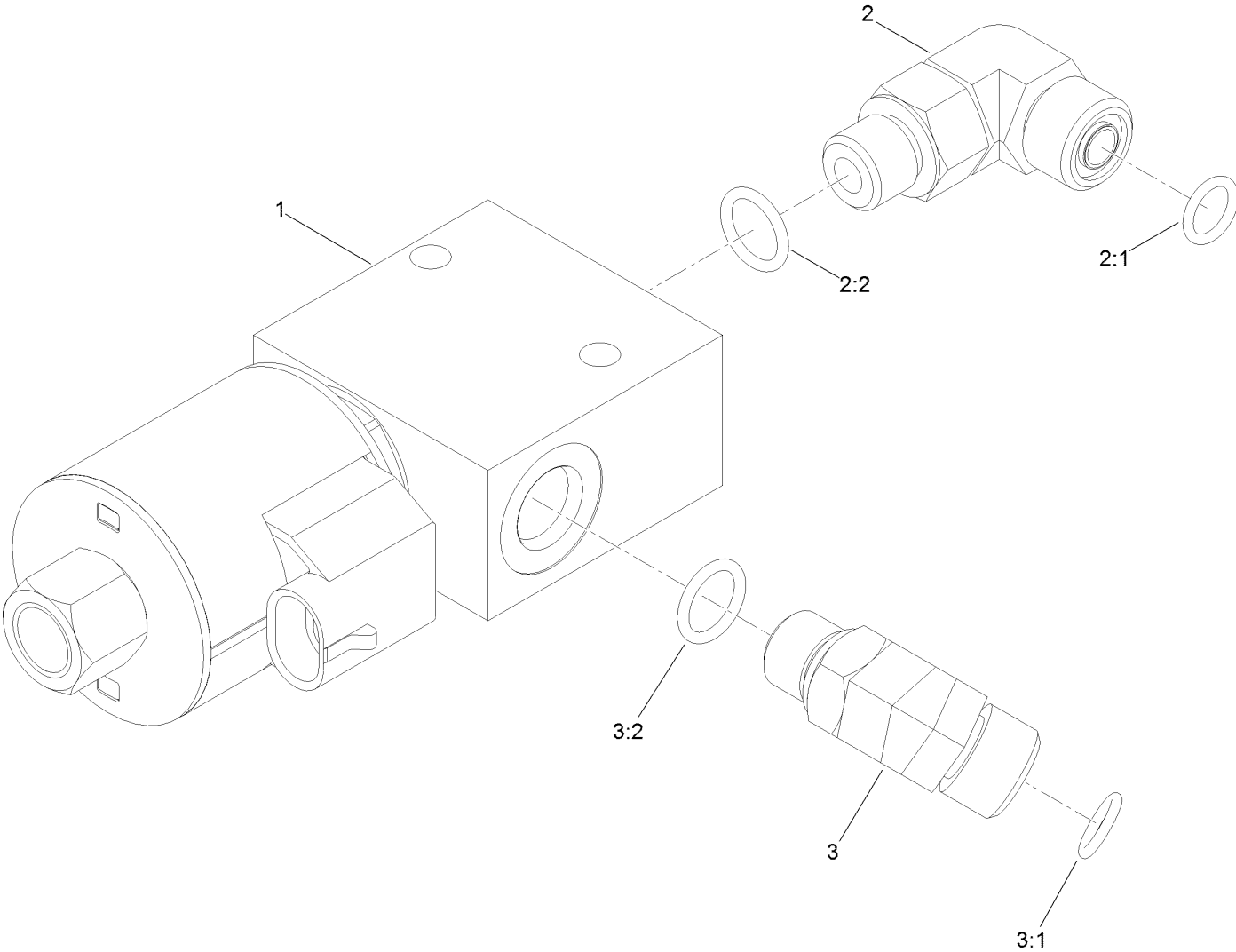


Loading Manifold Assembly No. 133-5954 (continued)

<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	Block-Manifold ●	9:1	110-8908	1	Spool Valve Seal Kit
2		15	Plug-Expander ●	10	110-6344	8	Coil-12V, Dc
3	112-9212	15	Plug	11	117-8316	4	Spacer-E Coil
4	137-5124	2	Orifice	12	110-2634	4	Nut-Coil
5	137-5123	1	Orifice	13	AU116738	1	Solenoid ASM
6	137-5126	1	Orifice	13:1	110-8908	1	Spool Valve Seal Kit
7	137-5140	1	Valve-Check	14	117-0115	4	Plug
7:1	110-8908	1	Spool Valve Seal Kit	15	116-9718	2	Valve-Check, P O
8	115-3024	2	Valve-Flow	15:1	116-9719	1	Seal Kit
			Divider/Combiner	16	106-1027	1	Plug-HYD
8:1	115-3025	1	Seal Kit	17	137-5155	1	Valve-Reducing, Pressure
9	AU112257	3	Valve-Cartridge, Motor	17:1	125-4334	1	Seal Kit
			Spool				

● Not serviced separately

Front Proportional Relief Manifold Assembly

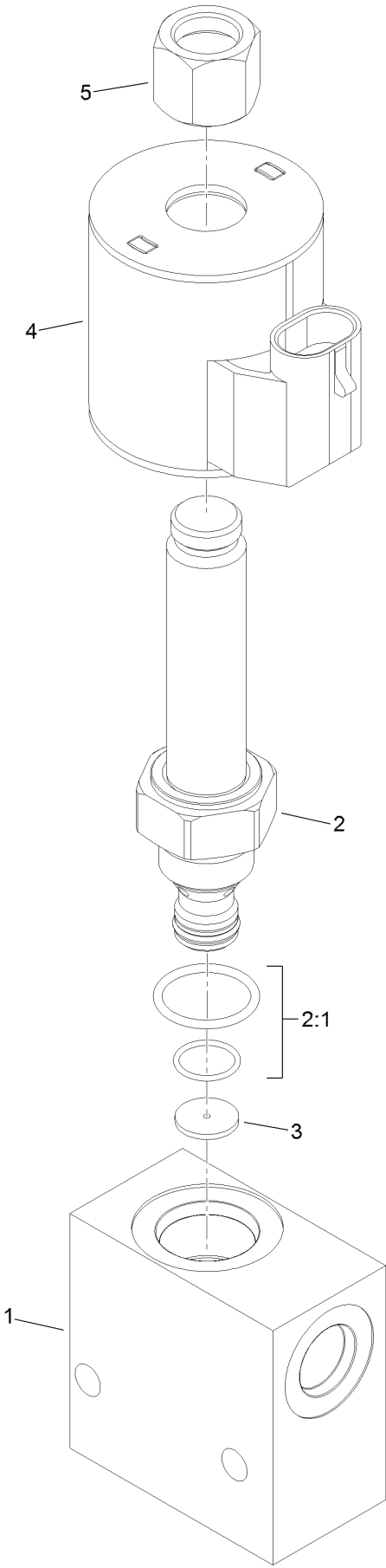


Front Proportional Relief Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	136-8850	1	Manifold-Relief, Proportional
2	340-77	1	Fitting-Elbow, 90 DEG
2:1	237-22	1	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2:2	237-42	1	O-Ring
3	340-87	1	Fitting-Elbow-45
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring

Proportional Relief Manifold Assembly No. 136-8850



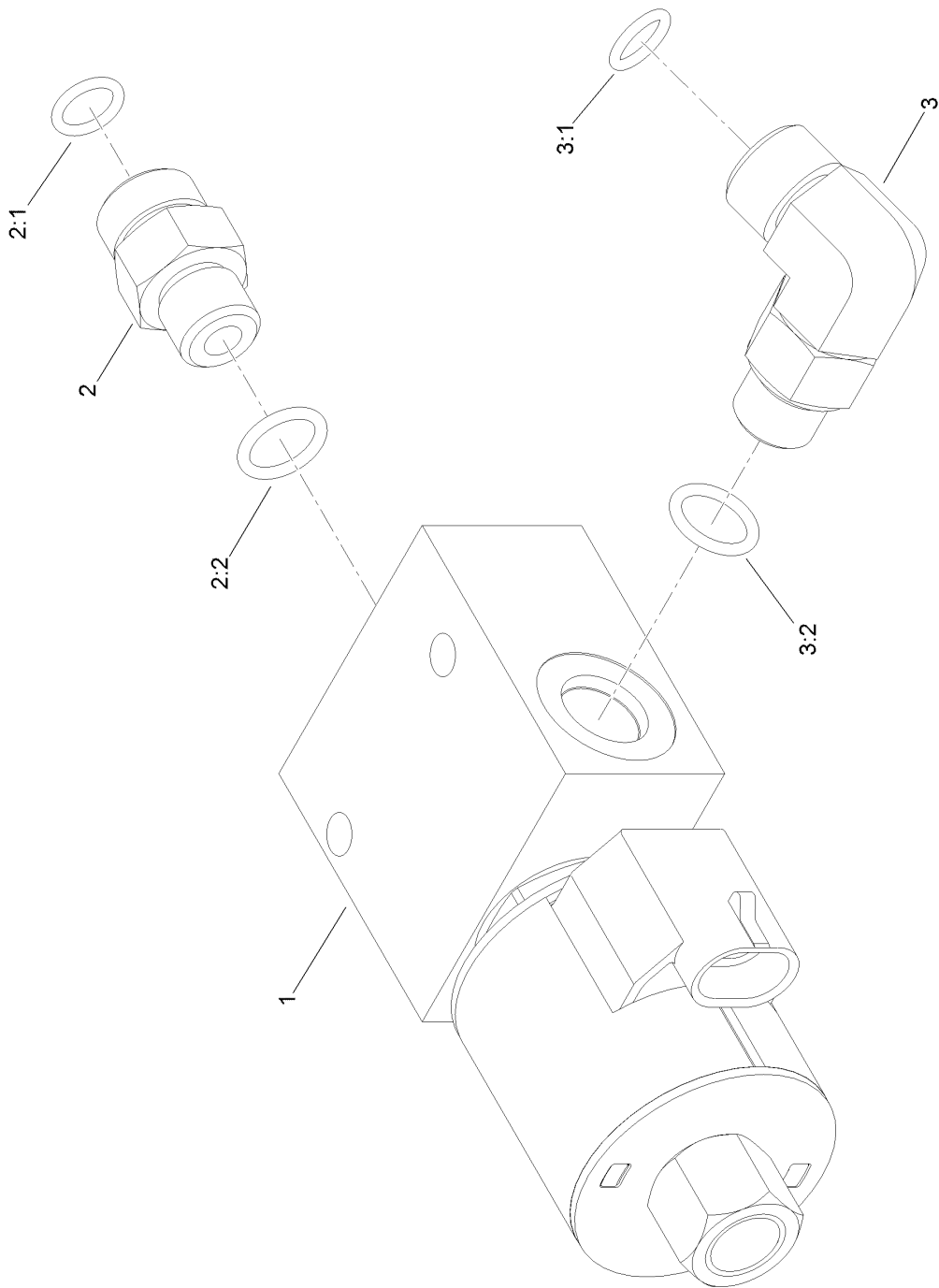
Proportional Relief Manifold Assembly No. 136-8850 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Block-Manifold ●
2	137-5129	1	Valve-Pressure Relief, Prop
2:1	126-9388	1	Seal Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	137-5128	1	Disc-Orifice (.055)
4	110-6344	1	Coil-12V, Dc
5	130-8180	1	Nut-Coil

● Not serviced separately

Rear Proportional Relief Manifold Assembly

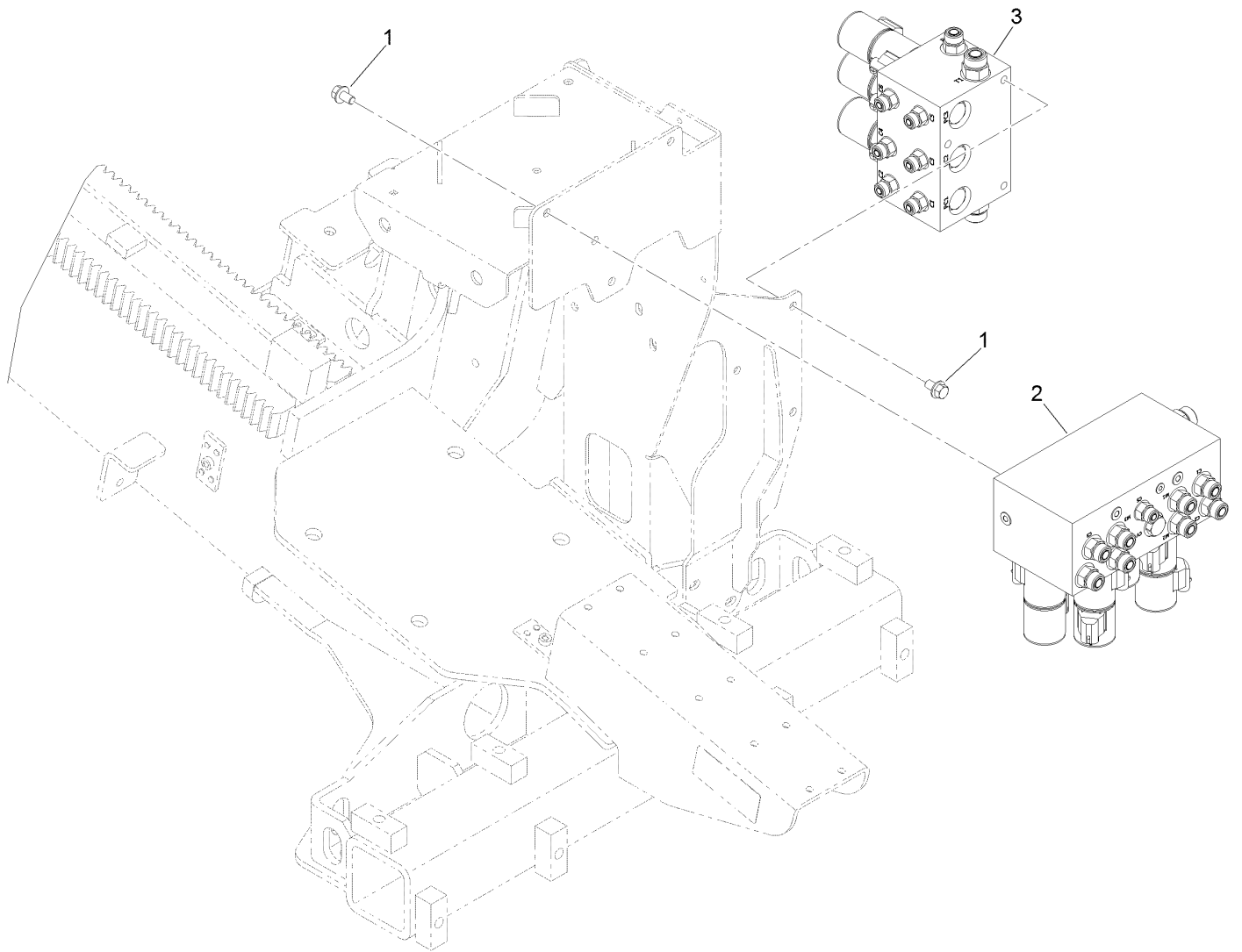


Rear Proportional Relief Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	136-8850	1	Manifold-Relief, Proportional
2	340-2	1	Fitting-Straight
2:1	237-22	1	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2:2	237-42	1	O-Ring
3	340-77	1	Fitting-Elbow, 90 DEG
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring

Stake Manifold and Wrench Manifold Assembly

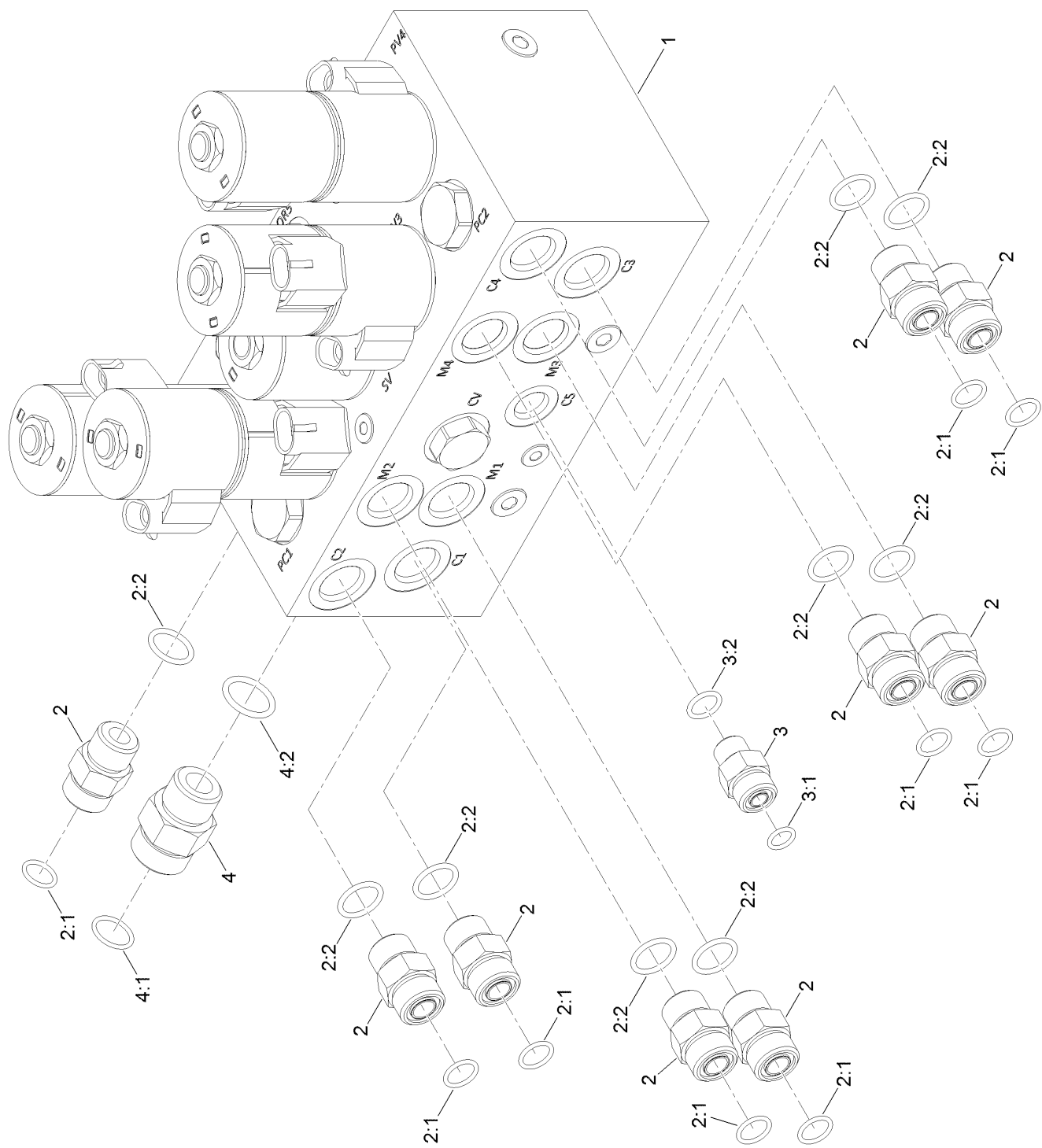


Stake Manifold and Wrench Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3234-9	6	Screw-HHF
2		1	Stake Manifold ASM ●
3		1	Wrench Manifold ASM ●

● Not serviced separately

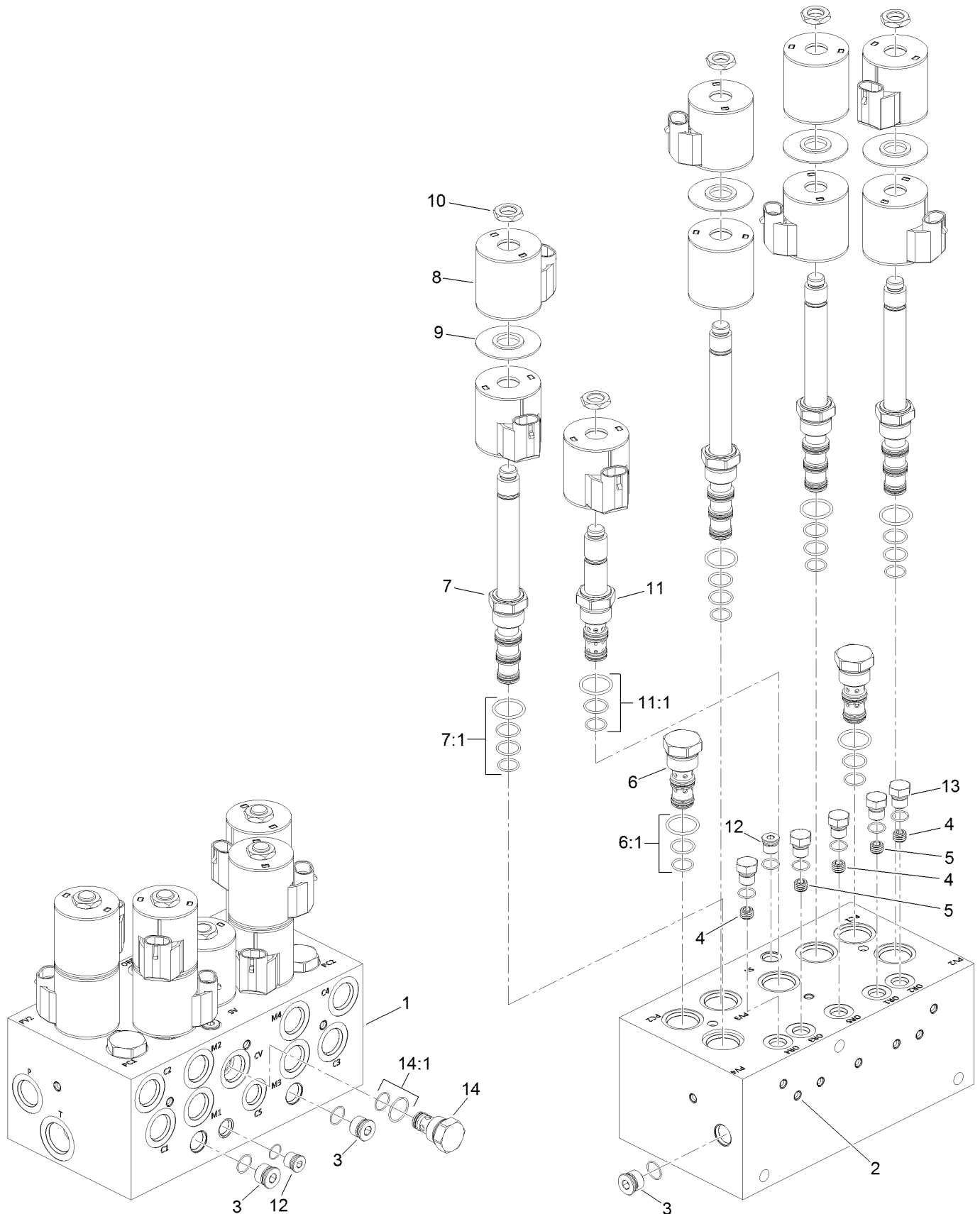
Stake Manifold Assembly



Stake 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	133-5953	1	Stake Manifold ASM	3:1	237-22	1	O-Ring
2	340-4	9	Fitting-Straight	3:2	237-42	1	O-Ring
2:1	237-30	1	O-Ring	4	340-7	1	Fitting-Straight
2:2	237-79	1	O-Ring	4:1	237-65	1	O-Ring
3	340-2	1	Fitting-Straight	4:2	237-80	1	O-Ring

Stake Manifold Assembly No. 133-5953

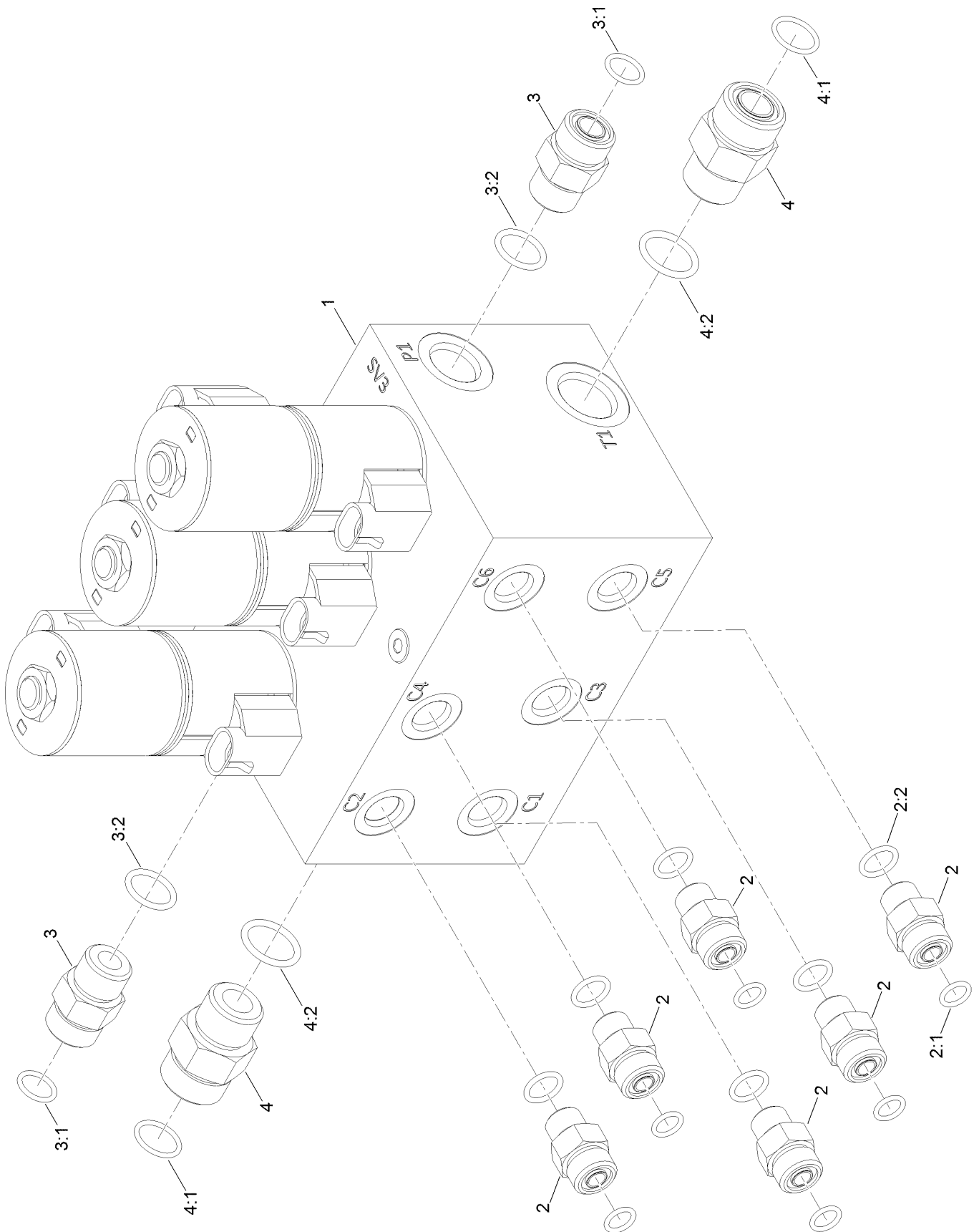


Stake Manifold Assembly No. 133-5953 (continued)

<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	Block-Manifold ●	8	110-6344	9	Coil-12V, Dc
2		15	Plug-Expander ●	9	117-8316	4	Spacer-E Coil
3	112-9213	3	Plug	10	110-2634	5	Nut-Coil
4	110-0495	3	Plug-Orifice (0.050 Inch)	11	137-8396	1	Valve-Solenoid
5	137-5123	2	Orifice	11:1	107-7813	1	Seal Kit
6	137-5151	2	Valve-Check	12	112-9212	2	Plug
6:1	116-9719	1	Seal Kit	13	117-0115	5	Plug
7	137-8395	4	Valve-Solenoid	14	137-8390	1	Check Valve ASM
7:1	110-8908	1	Spool Valve Seal Kit	14:1	119-7716	1	Seal Kit

● Not serviced separately

Wrench Manifold Assembly

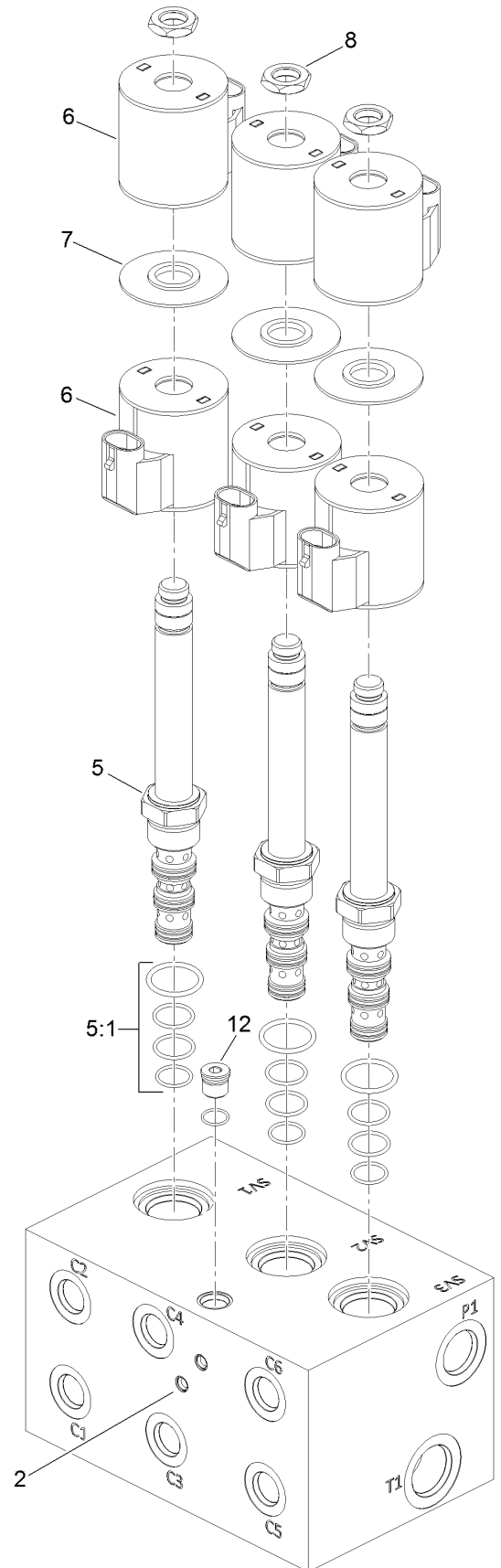
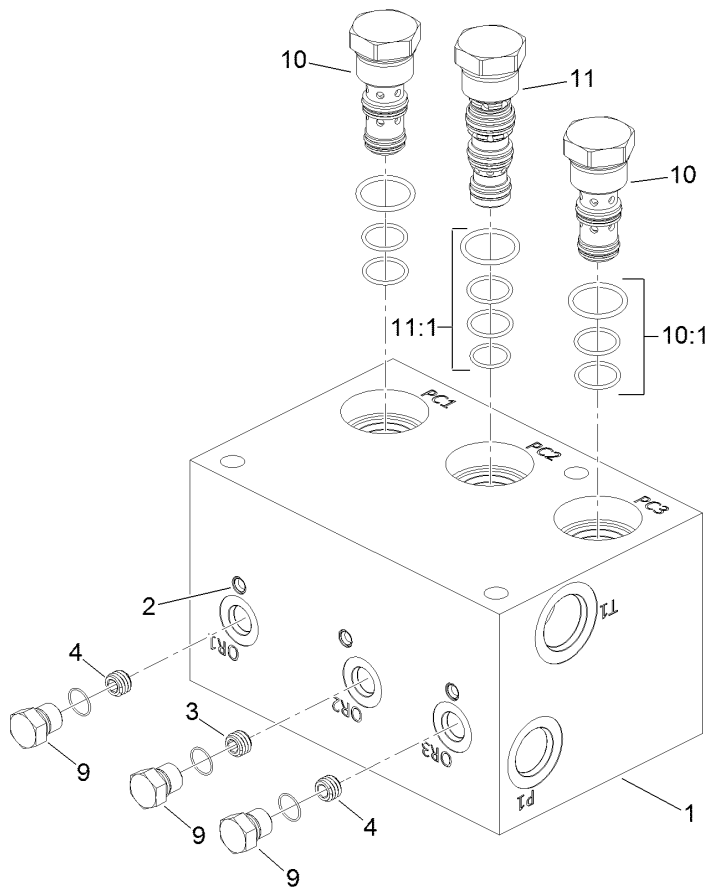


Wrench Manifold Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-5952	1	Wrench Manifold ASM
2	340-2	4	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	340-4	2	Fitting-Straight

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:1	237-30	1	O-Ring
3:2	237-79	1	O-Ring
4	340-7	2	Fitting-Straight
4:1	237-65	1	O-Ring
4:2	237-80	1	O-Ring

Wrench Manifold Assembly No. 133-5952



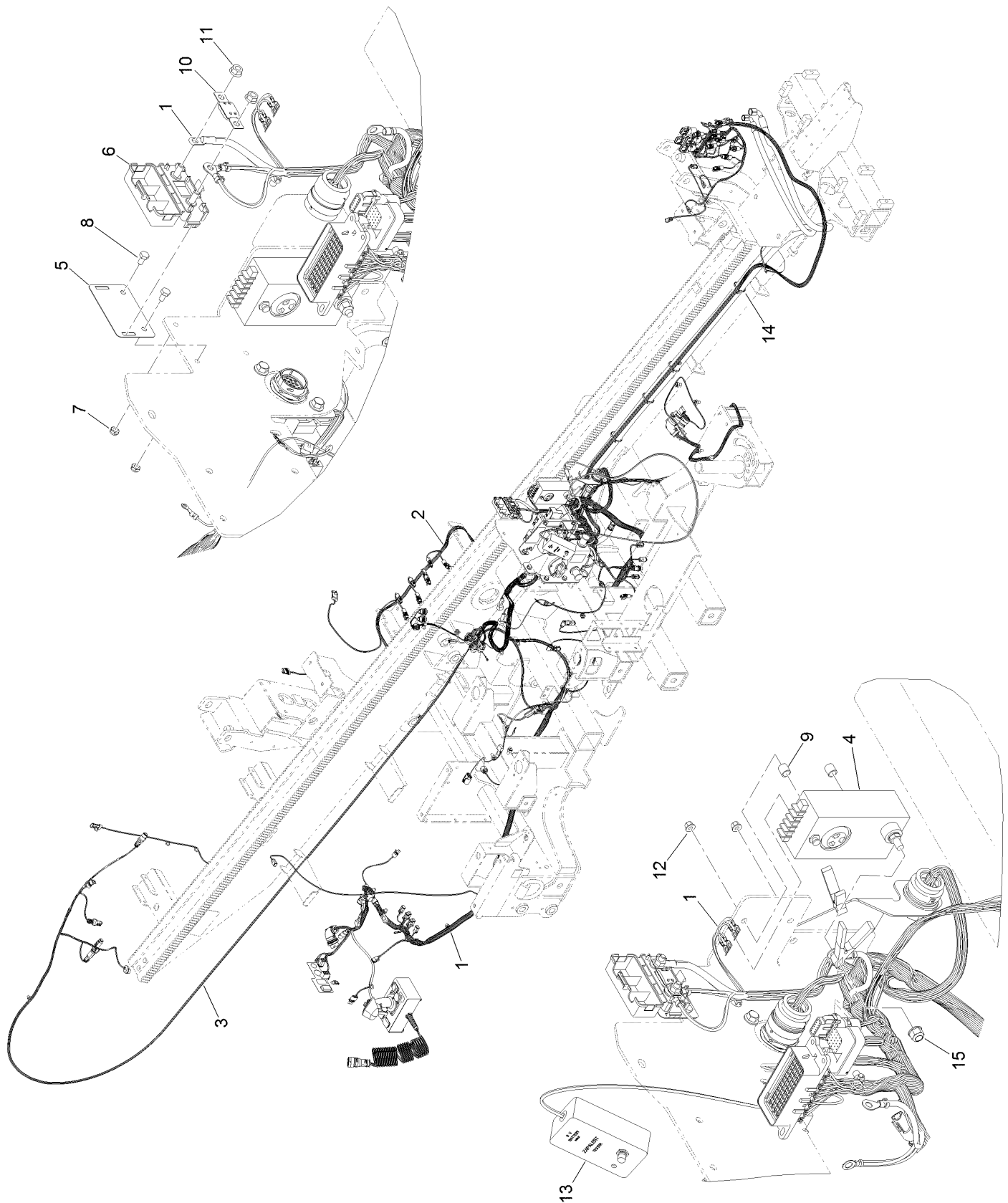
Wrench Manifold Assembly No. 133-5952 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Block-Manifold ●
2		5	Plug-Expander ●
3	137-5124	1	Orifice
4	137-5125	2	Orifice
5	137-8394	3	Valve-Cartridge, Motor
			Spool
5:1	110-8908	1	Spool Valve Seal Kit
6	110-6344	6	Coil-12V, Dc

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	117-8316	3	Spacer-E Coil
8	110-2634	3	Nut-Coil
9	117-0115	3	Plug
10	137-5151	2	Valve-Check
10:1	116-9719	1	Seal Kit
11	138-1305	1	Valve-Check
11:1	131-8637	1	Seal Kit
12	112-9212	1	Plug

● Not serviced separately

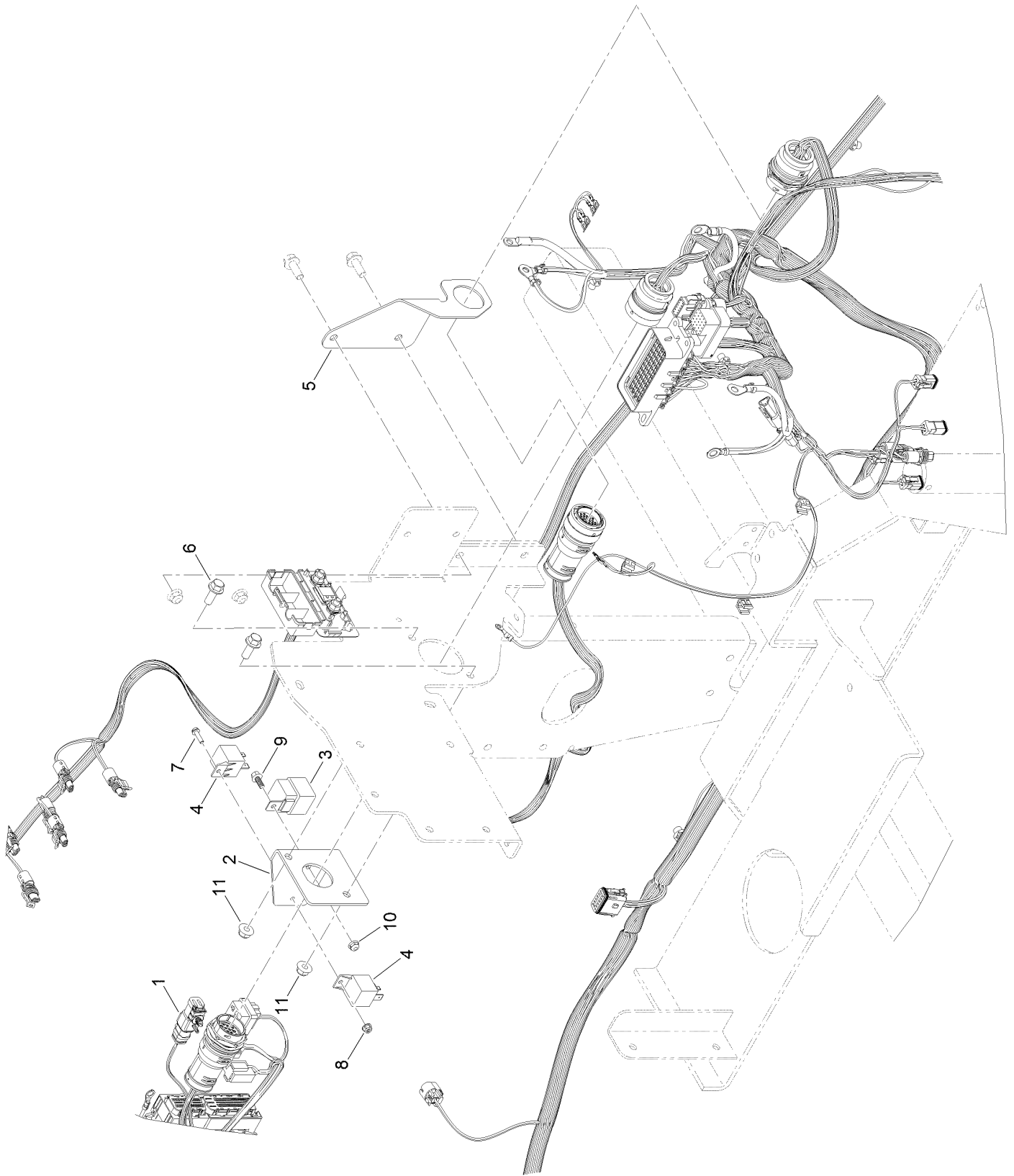
Main Wire Harness, Mega Fuse and Zap Alert Assembly



Main Wire Harness, Mega Fuse and Zap Alert 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	122-0810	1	Harness-Wire	9	65-9980	2	Spacer
2	122-1017	1	Harness-Wire	10	122-0628	1	Fuse-Mega
3	122-0847	1	Harness-Wire	11	33004-00	2	Nut-HF
4	AU8EE27103	1	Relay	12	81-0130	2	Nut-Flange, NI
5	127-2325	1	Bracket-Fuse	13	AU8EE27104	1	Tester-Zapalert
6	114-3318	1	Holder-Fuse, Mega	14	3290-379	7	Tie-Cable
7	3296-56	2	Nut-Lock, NI	15	103-9511	1	Nut-Lock, NI
8	321-2	2	Screw-HH				

Engine Wire Harness Assembly

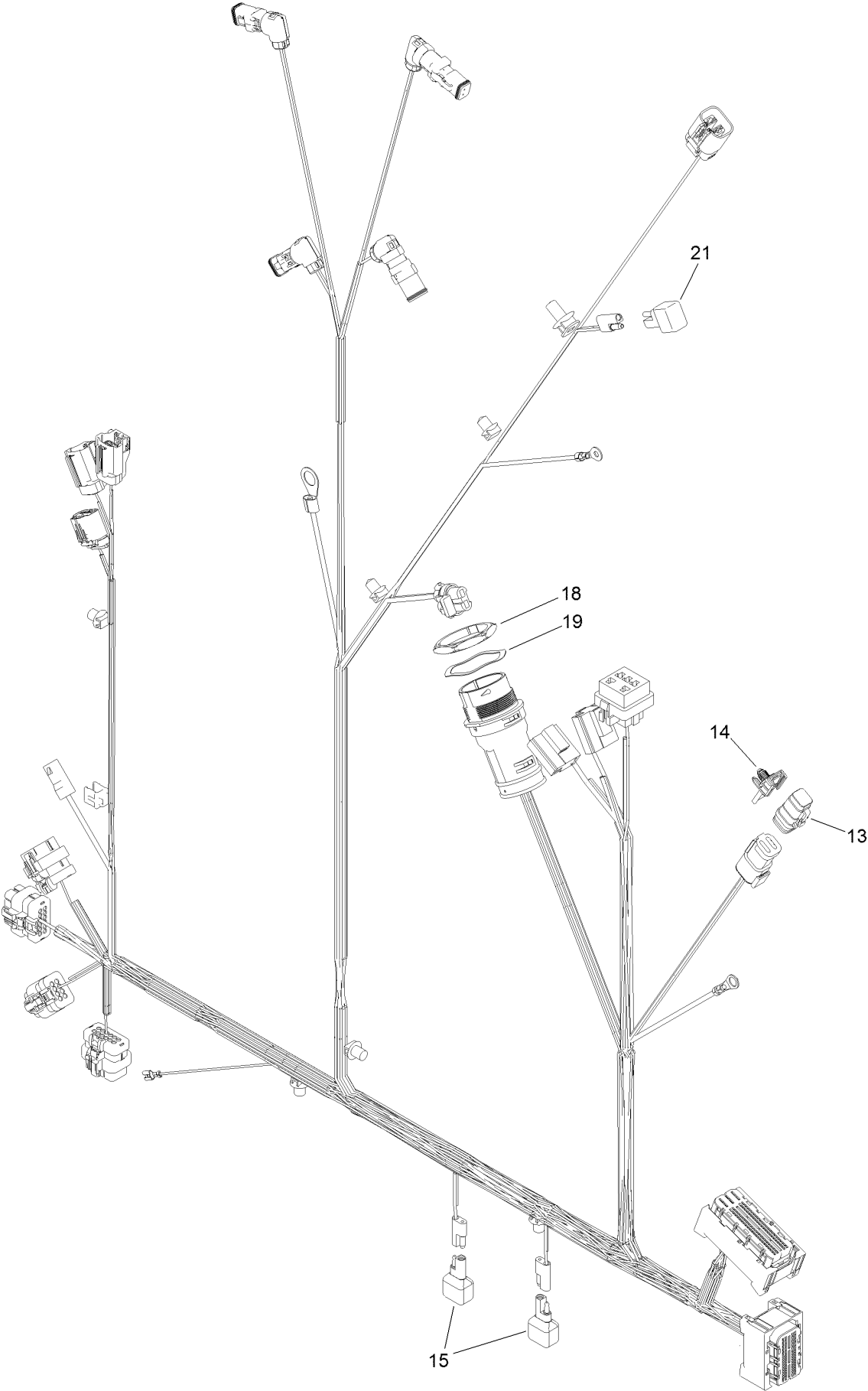


Engine Wire Harness Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	122-0811	1	Harness-Wire
2	122-1007-03	1	Bracket-Connector
3	99-7430	1	Relay
4	99-7435	2	Relay-Power
5	122-0052-03	1	Bracket-Electrical
6	3234-42	2	Screw-HHF

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	32105-13	1	Screw-HWH
8	120-4578	1	Nut-HF
9	99-6810	1	Screw-HHF
10	104-7201	1	Nut-HF
11	104-8301	2	Nut-HF, NI

Wire Harness Assembly No. 122-0811

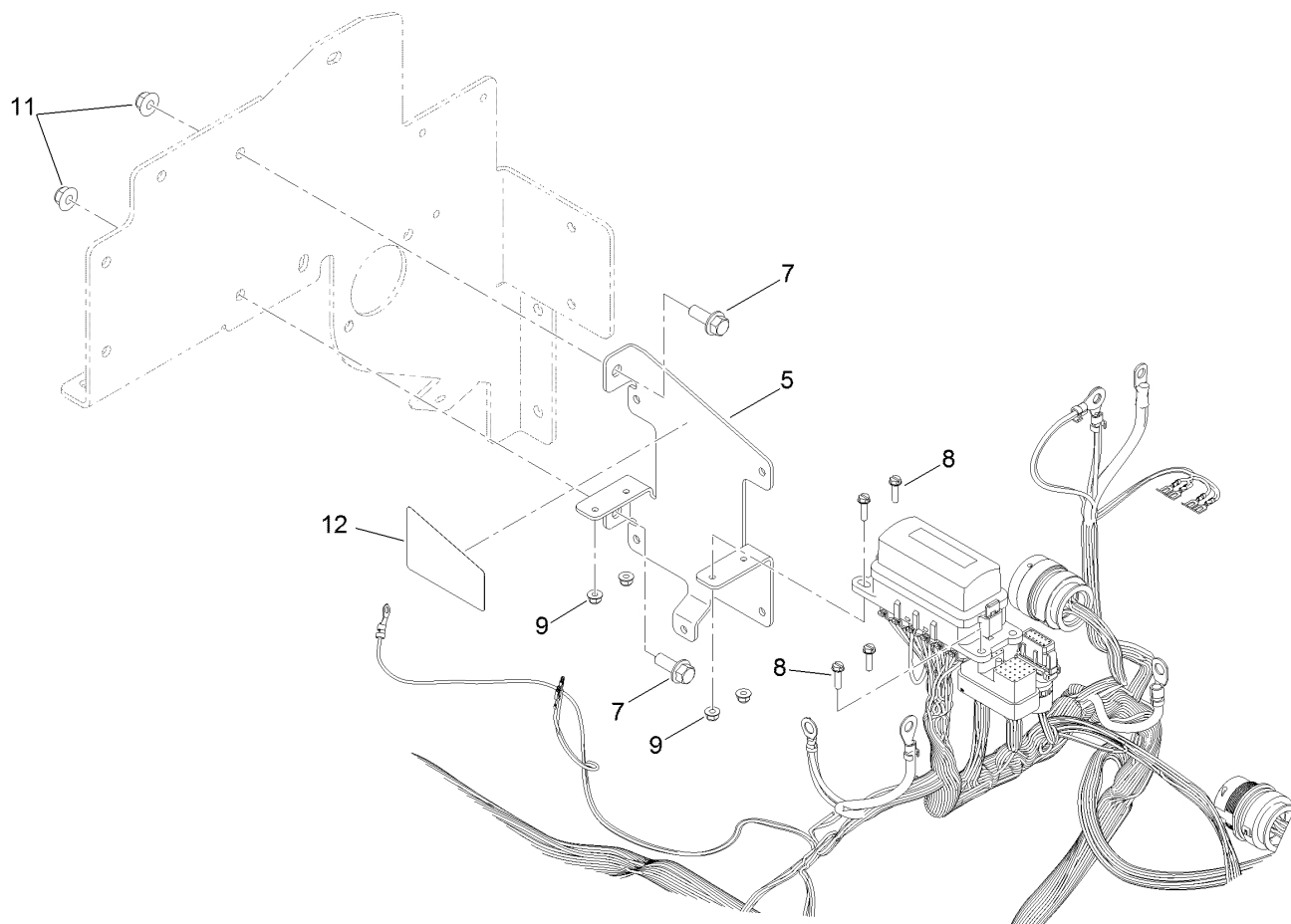
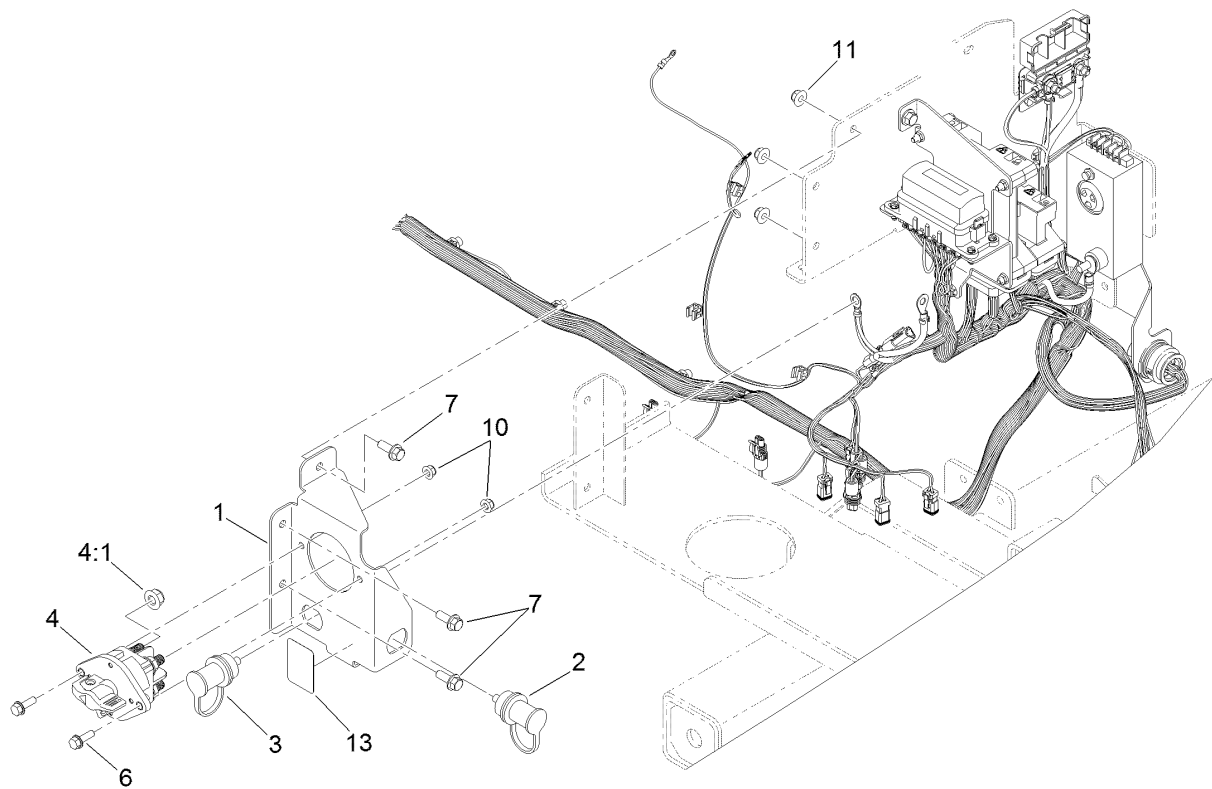


Wire Harness Assembly No. 122-0811 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
13	32160-359	1	Connector (6M)
14	32180-103	1	Clip-Connector
15	100-4918	2	Diode

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
18	32180-135	1	Nut-Connector
19	32180-143	1	Washer-Lock
21	121-8891	1	Resistor (1.6K Ohm)

Fuse Block and Power Disconnect Assembly

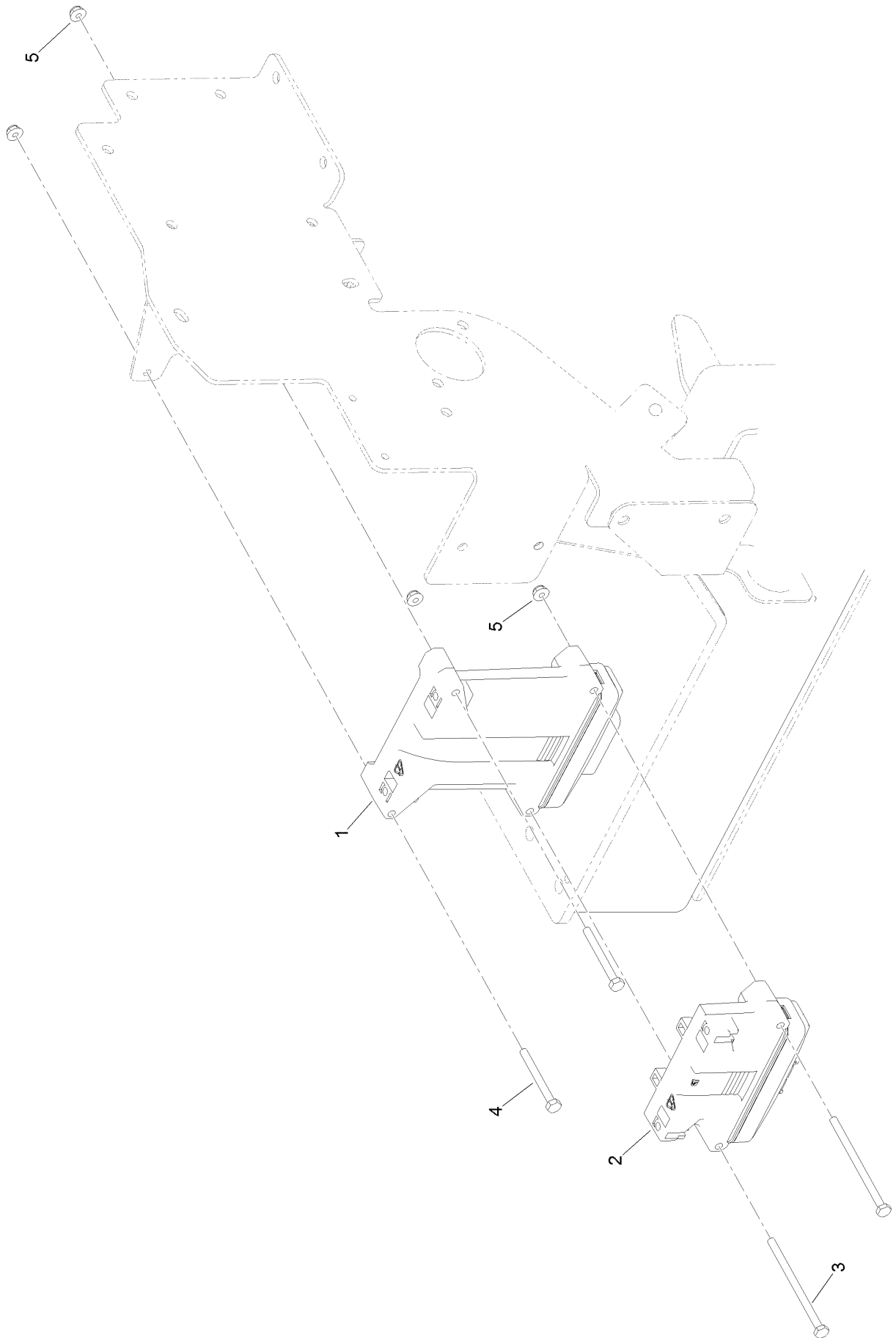


Fuse Block and Power Disconnect Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	122-1018-03	1	Bracket-Electrical
2	132-1364	1	Stud-Jumper, Positive
3	132-1365	1	Stud-Jumper, Negative
4	122-0603	1	Switch-Disconnect
4:1	33006-00	1	Nut-HF
5	122-1020-03	1	Bracket-Electrical
6	3234-29	2	Screw-HHF

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	3234-42	5	Screw-HHF
8	32105-13	4	Screw-HWH
9	120-4578	4	Nut-HF
10	104-8300	2	Nut-HF, NI
11	104-8301	5	Nut-HF, NI
12	137-7174	1	Decal-Fuses
13	137-7164	1	Decal-Battery Power

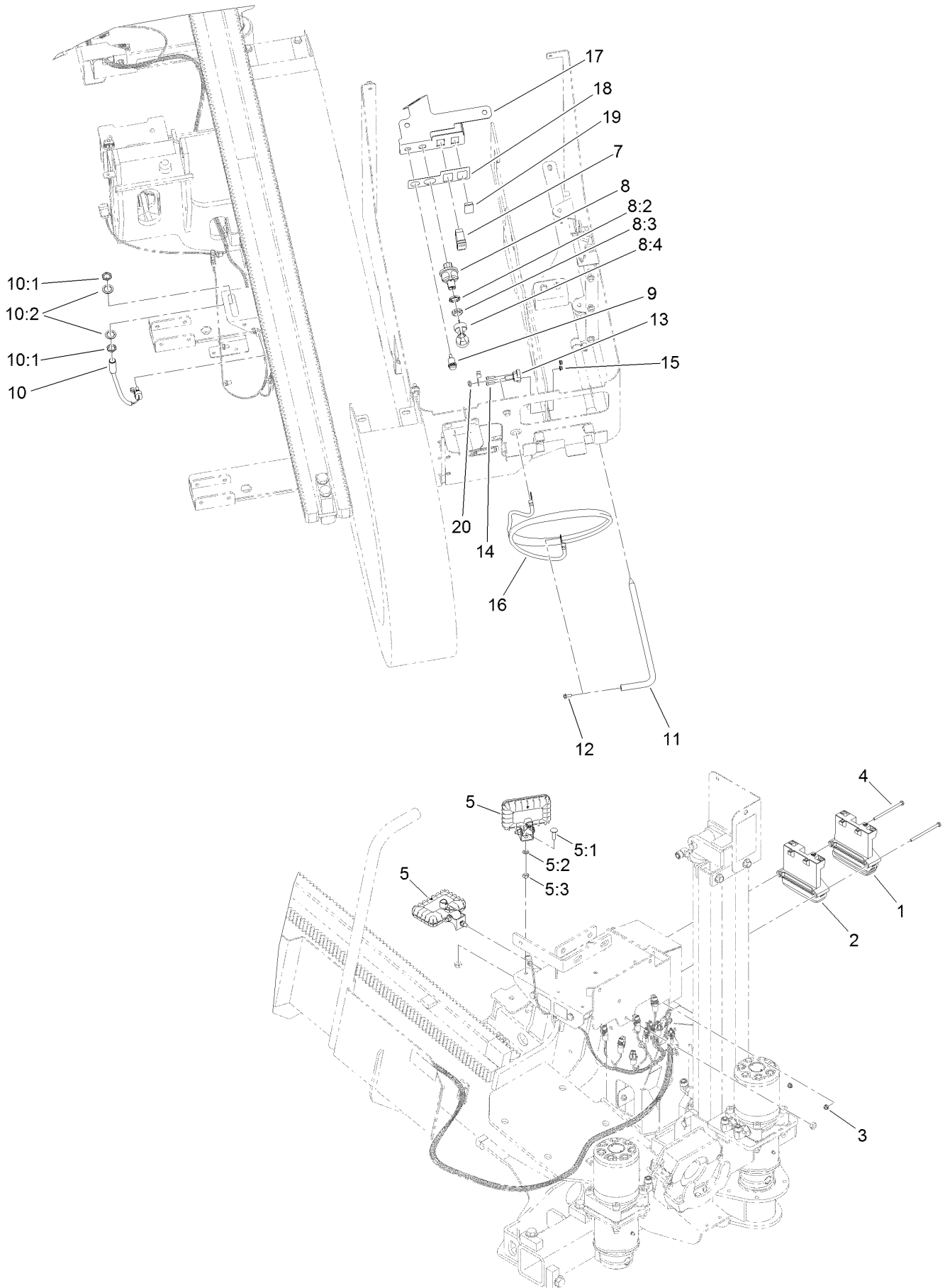
Control Module Assembly



Control Module 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	132-5737	1	Module-Control	4	321-15	2	Screw-HH
2	137-5202	1	Module-Expansion, Output	5	104-7201	4	Nut-HF
3	321-34	2	Screw-HH				

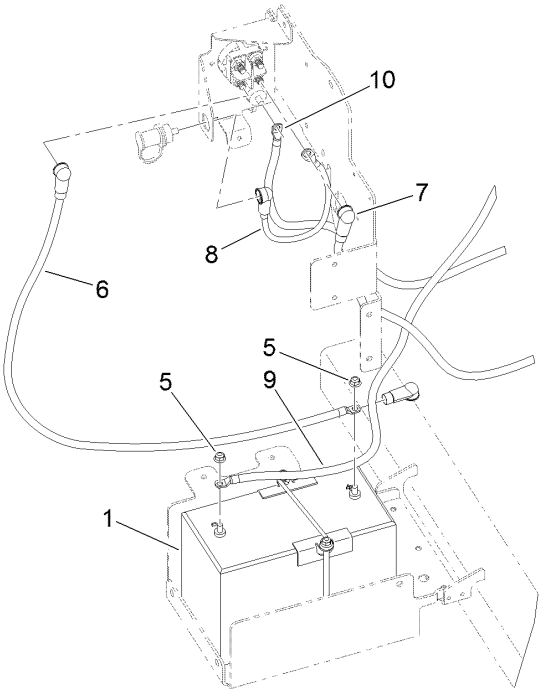
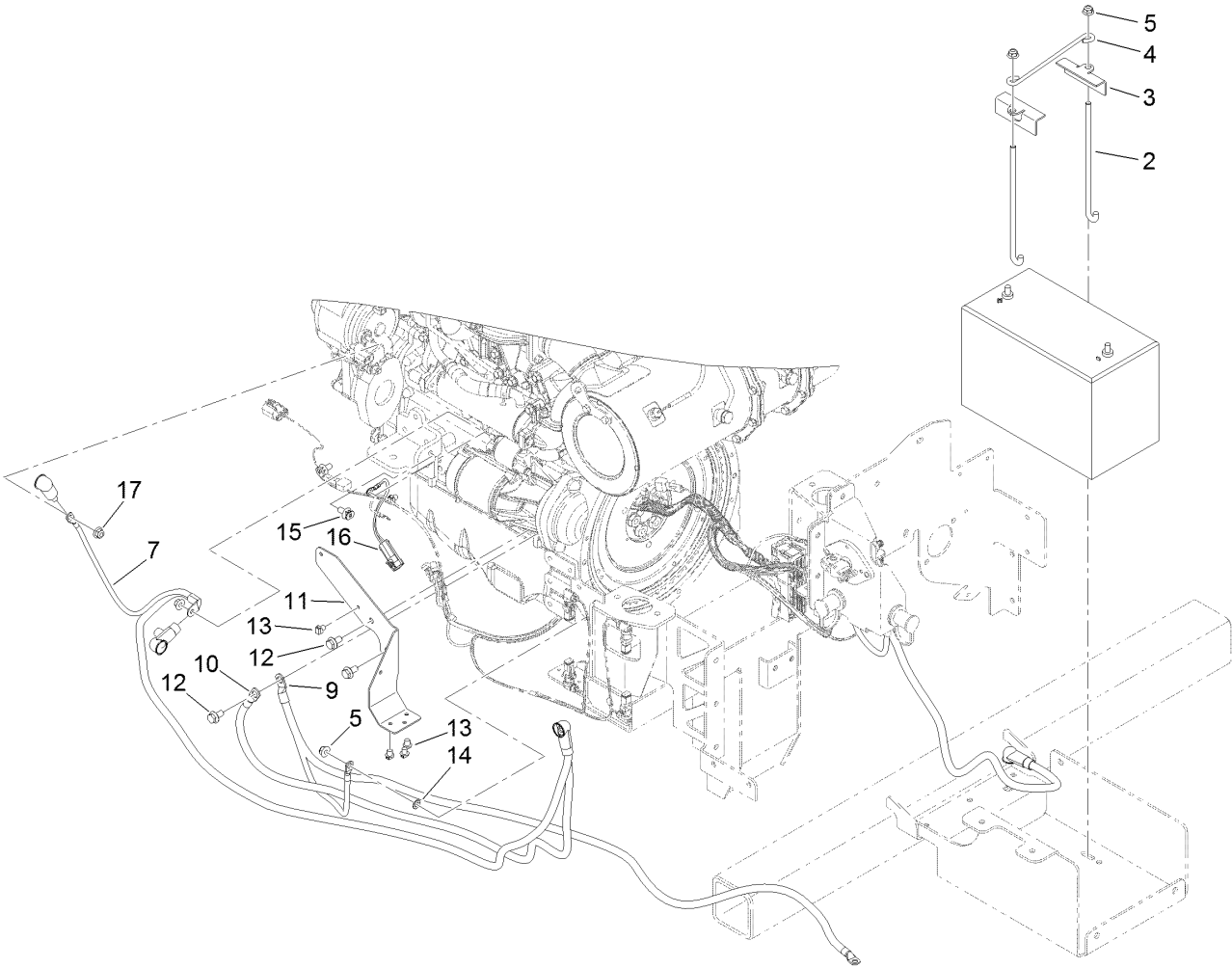
Rear Switch Panel and Work Lights Assembly



Rear Switch Panel and Work Lights 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	132-5736	1	Module-Expansion (Ox024-110)	9	131-0040	1	Lamp-Indicator, LED
2	133-6313	1	Module-Expansion (Iox024-120)	10	115-5300	1	Proximity Switch ASM
3	104-7201	2	Nut-HF	10:1	117-3207	2	Nut-Hex
4	321-34	2	Screw-HH	10:2	117-3208	2	Washer-Lock, Internal Tooth
5	122-0371	2	Light-Work, LED	11	AU109224	1	Bar-Stake, Ground
5:1	3230-28	1	Screw-CARR	12	114-8414	1	Screw-HHF
5:2	3253-33	1	Washer-Lock	13	110-8823	1	Block-Junction
5:3	3217-6	1	Nut-Hex	14	3274-14	2	Screw-HSH
7	95-8999	1	Switch	15	120-4578	2	Nut-HF
8	121-5159	1	Ignition Switch ASM	16	AU124406	1	Cable-Alert, Strike
8:2	121-5160	1	Nut-Hex	17	137-8355-03	1	Panel-Switch
8:3	121-5161	1	Nut-Face	18	137-7161	1	Decal-Controls
8:4	121-5162	1	Ignition Key Set	19	99-7420	1	Plug-Hole
				20	3296-59	1	Nut-Lock, NI

Battery Cables Assembly



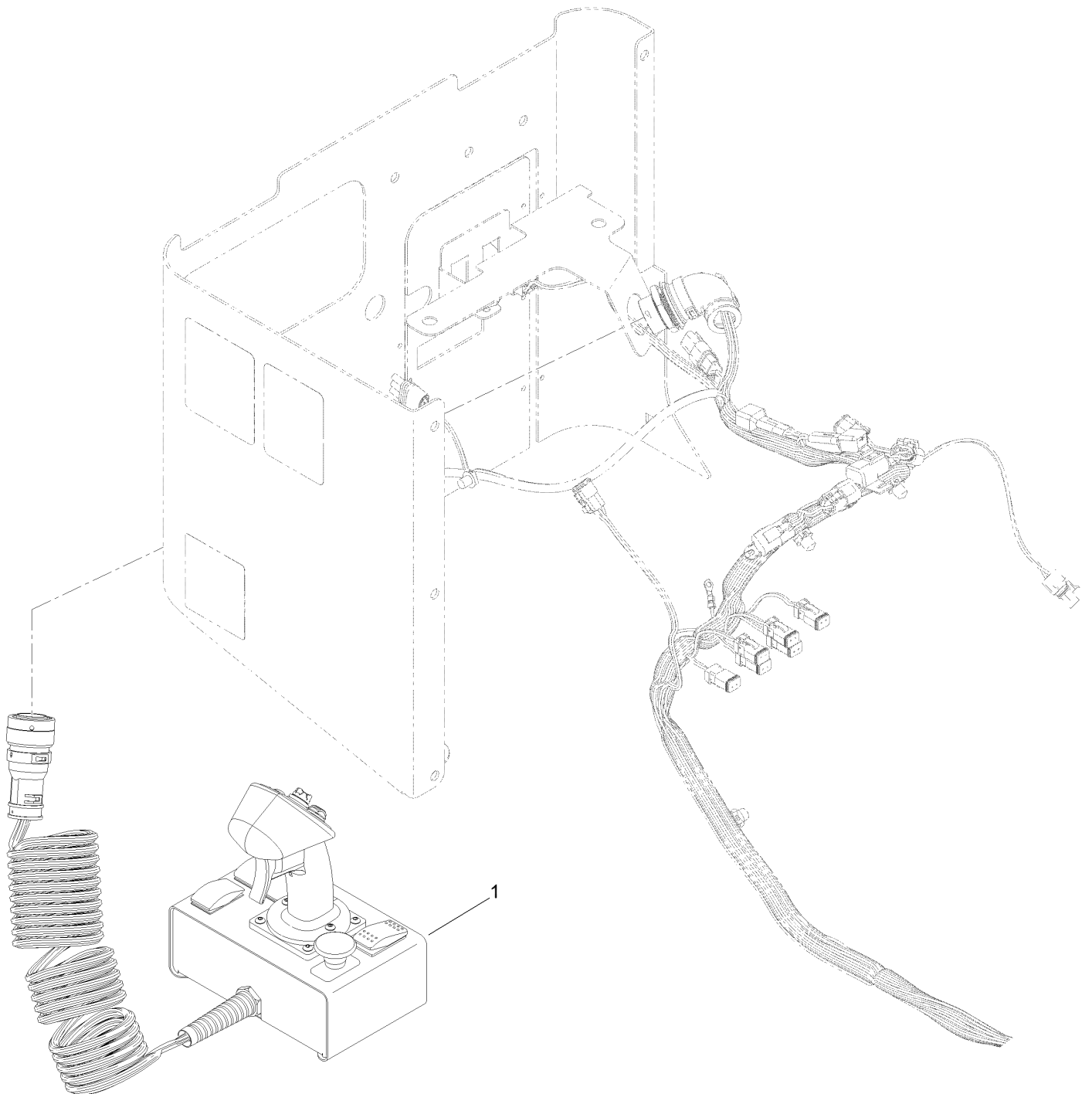
Battery Cables Assembly (continued)

<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		1	Battery (1000CCA, Wet) ●■	10	122-0869	1	Cable-Battery, Negative
2	AUH436311	2	Bolt-Holddown, Battery	11	122-0879-03	1	Plate-Electrical, Engine
3	AUD125079	2	Angle-Holddown, Battery	12	33105-020	3	Screw-HHF
4	AUD135073	1	Bracket-Holddown, Battery	13	32180-030	4	Clip-Tie
5	104-8301	5	Nut-HF, NI	14	3255-9	1	Washer-Lock
6	122-0864	1	Cable-Battery, Positive	15	32180-031	1	Clip-Tree (W/Tie)
7	122-0865	1	Cable-Battery, Positive	16	108-9470	1	Harness-Wire, Fusible Link
8	122-0867	1	Cable-Battery, Positive	17	33004-00	2	Nut-HF
9	122-0868	1	Cable-Battery, Negative				

● Obtain locally.

■ Not serviced separately

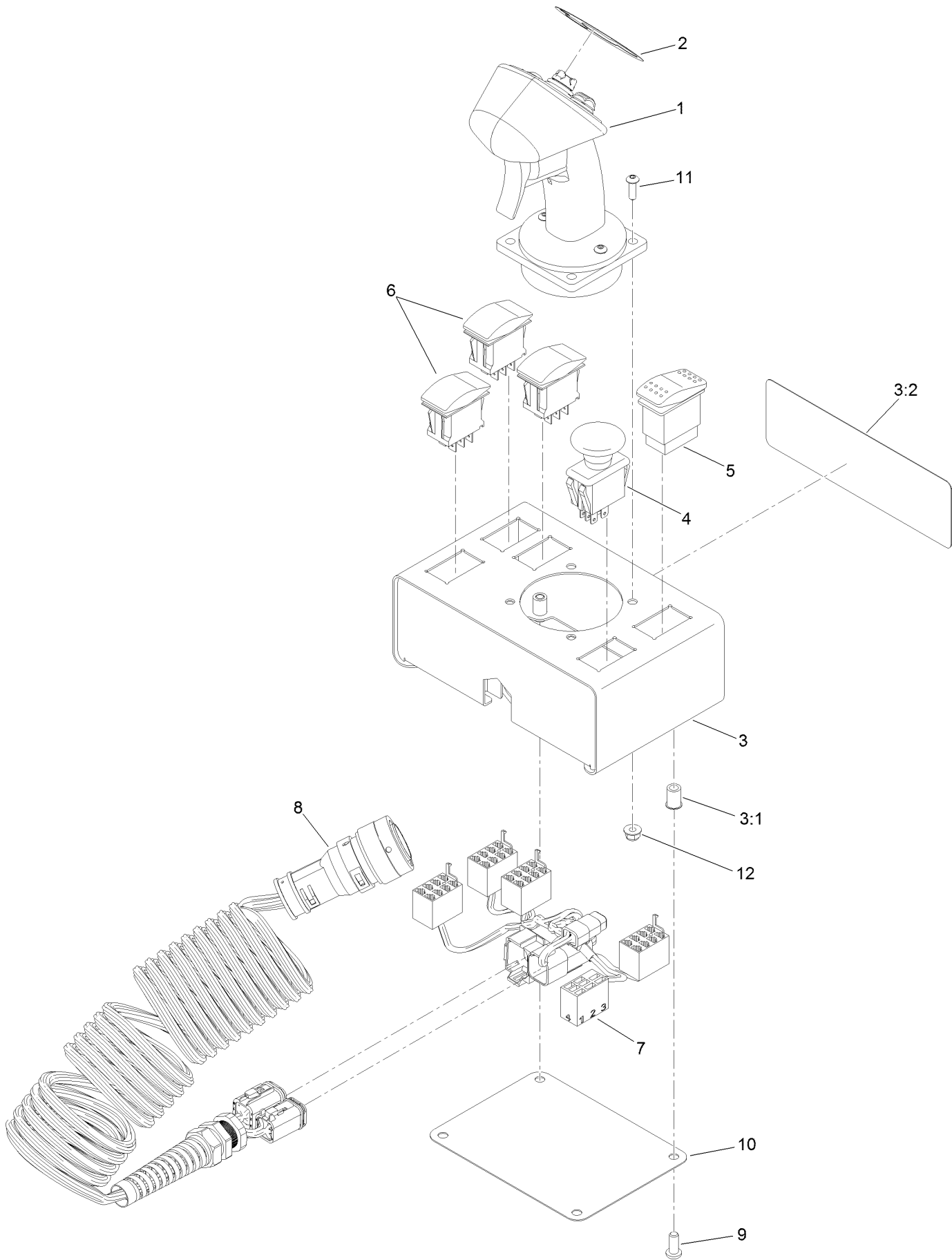
Travel Pendant Assembly



Travel Pendant Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5296	1	Travel Pendant ASM

Travel Pendant Assembly No. 137-5296

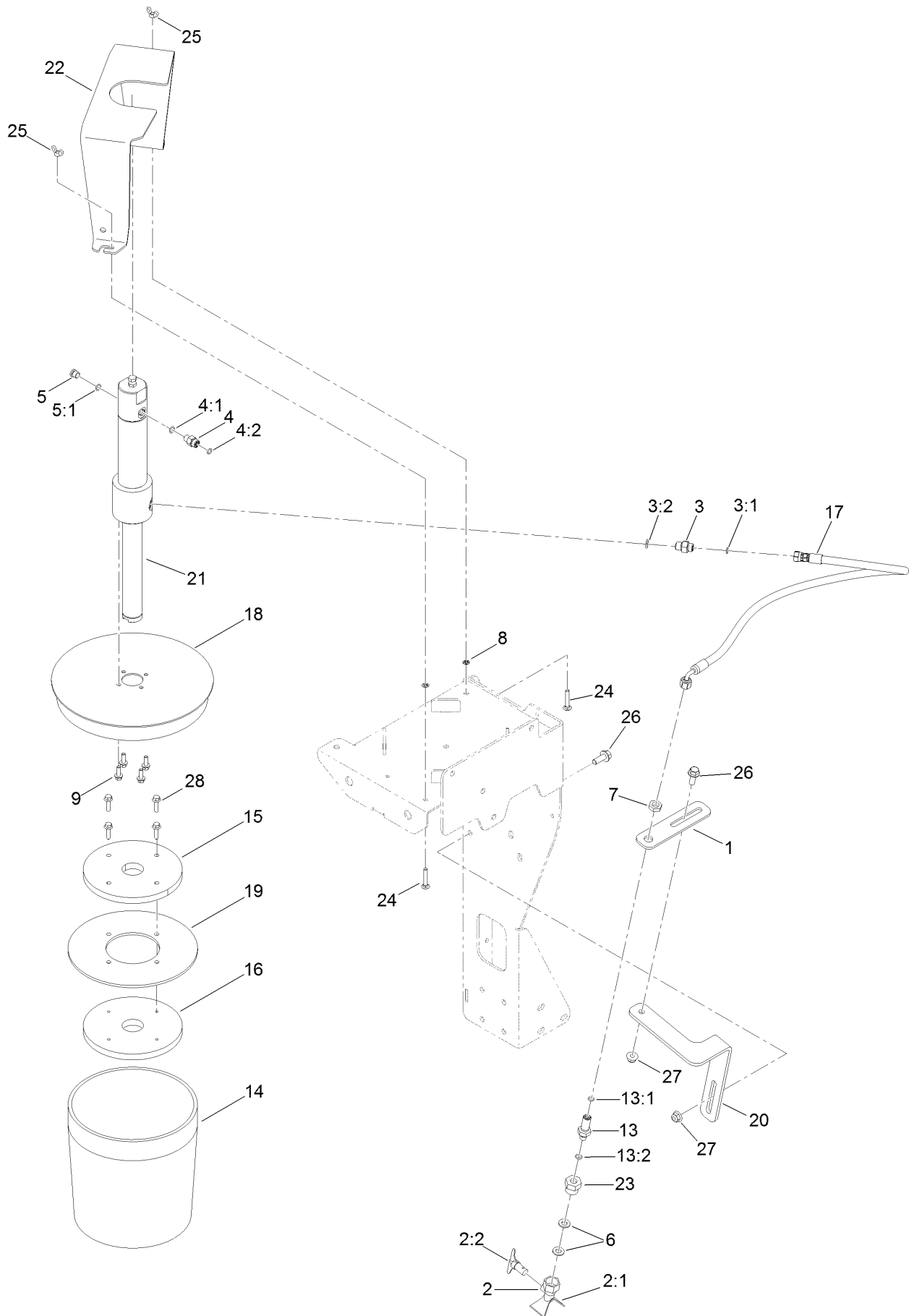


Travel Pendant Assembly No. 137-5296 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	136-6889	1	Joystick-Grip, Fixed
2	136-8900	1	Decal-Pendant, Oval
3	137-8319	1	Travel Pendant ASM
3:1	32148-6	4	Insert-Nut
3:2	137-7160	1	Decal-Pendant, Controls
4	136-6888	1	Switch, E-Stop
5	106-2027	1	Switch-Intermittent

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6	100-1535	3	Switch, (On)-Off-(On)
7	122-0848	1	Harness-Wire
8	122-0849	1	Harness-Wire
9	3274-31	4	Screw-HSBH
10	137-8314-03	1	Cover-Pendant
11	3274-39	4	Screw-HSBH
12	120-4578	4	Nut-HF

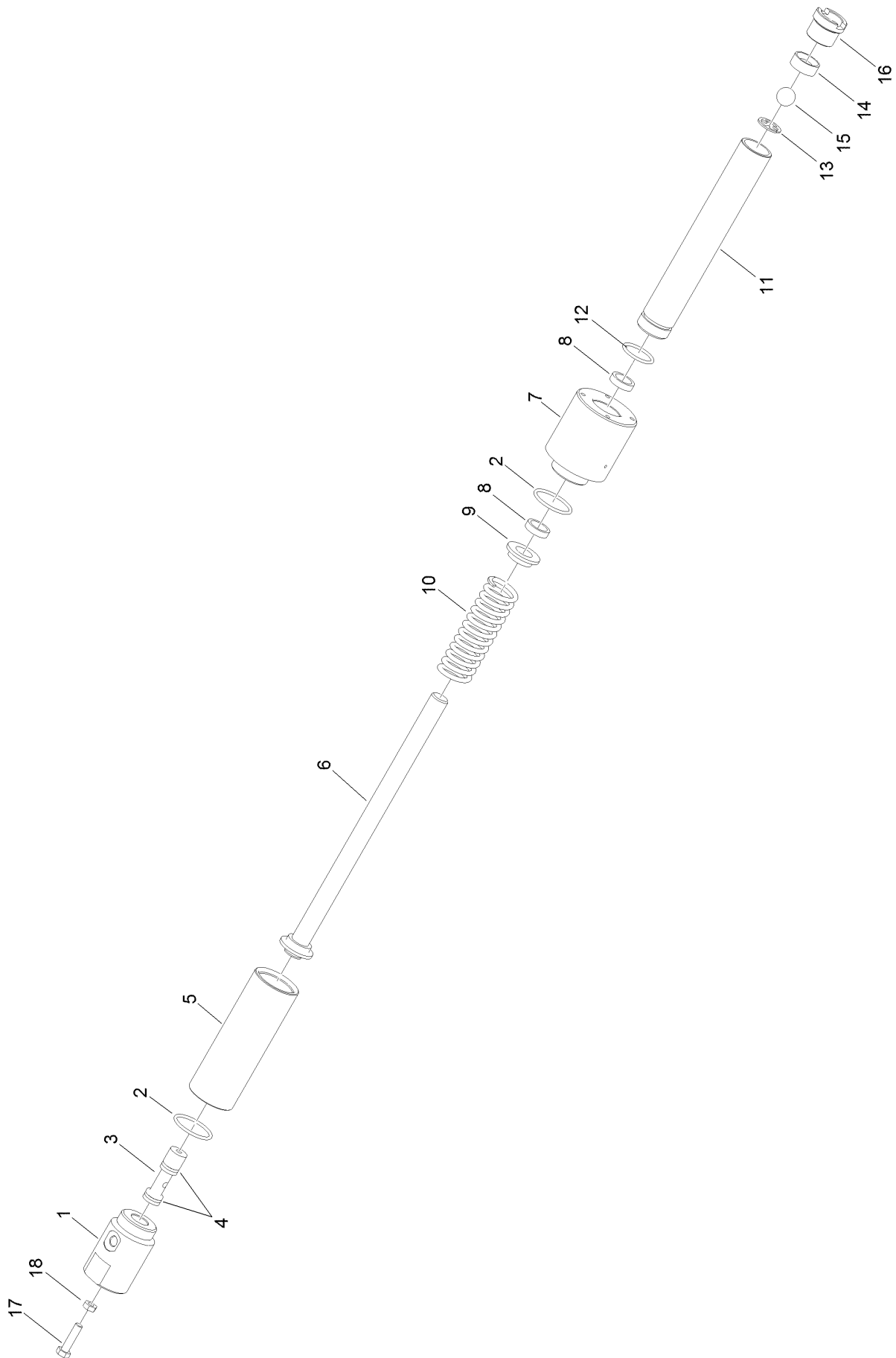
Tool Joint Lube Applicator Assembly



Tool Joint Lube Applicator 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	133-6093-03	1	Plate-Mount, Nozzle	13:1	237-21	1	O-Ring
2	125-4539	1	Spray Nozzle ASM	13:2	237-78	1	O-Ring
2:1	125-4540	1	Nozzle-Spray, Airless	14	137-1735	1	Compound-Thread
2:2	125-4541	1	Orifice Insert ASM	15	AU108640-03	1	Plate
3	340-1	1	Fitting-Straight	16	AU108641-03	1	Plate
3:1	237-21	1	O-Ring	17	AU108645	1	Hose-HYD
3:2	237-42	1	O-Ring	18	AU108790-03	1	Cover-Applicator, Lube
4	340-92	1	Fitting-Straight	19	AU108814	1	Seal-Rubber, Follower
4:1	237-78	1	O-Ring	20	133-6094-03	1	Plate-Support, Nozzle
4:2	237-21	1	O-Ring	21	AU108837-03	1	HYD Grease Pump ASM
5	353-990	1	Plug ASM	22	AU109840-03	1	Tiedown-Cover, Grease
5:1	237-78	1	O-Ring	23	AU8SA31004	1	Reducer-Straight, Threaded
6	3256-24	2	Washer-Flat	24	3229-4	2	Screw-CARR
7	340-78	1	Nut-Lock	25	1-543792	2	Wingnut
8	106-8737	2	Nut-Retainer	26	3234-42	2	Screw-HHF
9	120-9678	4	Screw-HHF	27	104-8301	2	Nut-HF, NI
13	AU8OA90404	1	Fitting-Straight	28	33103-025	4	Screw-HHF

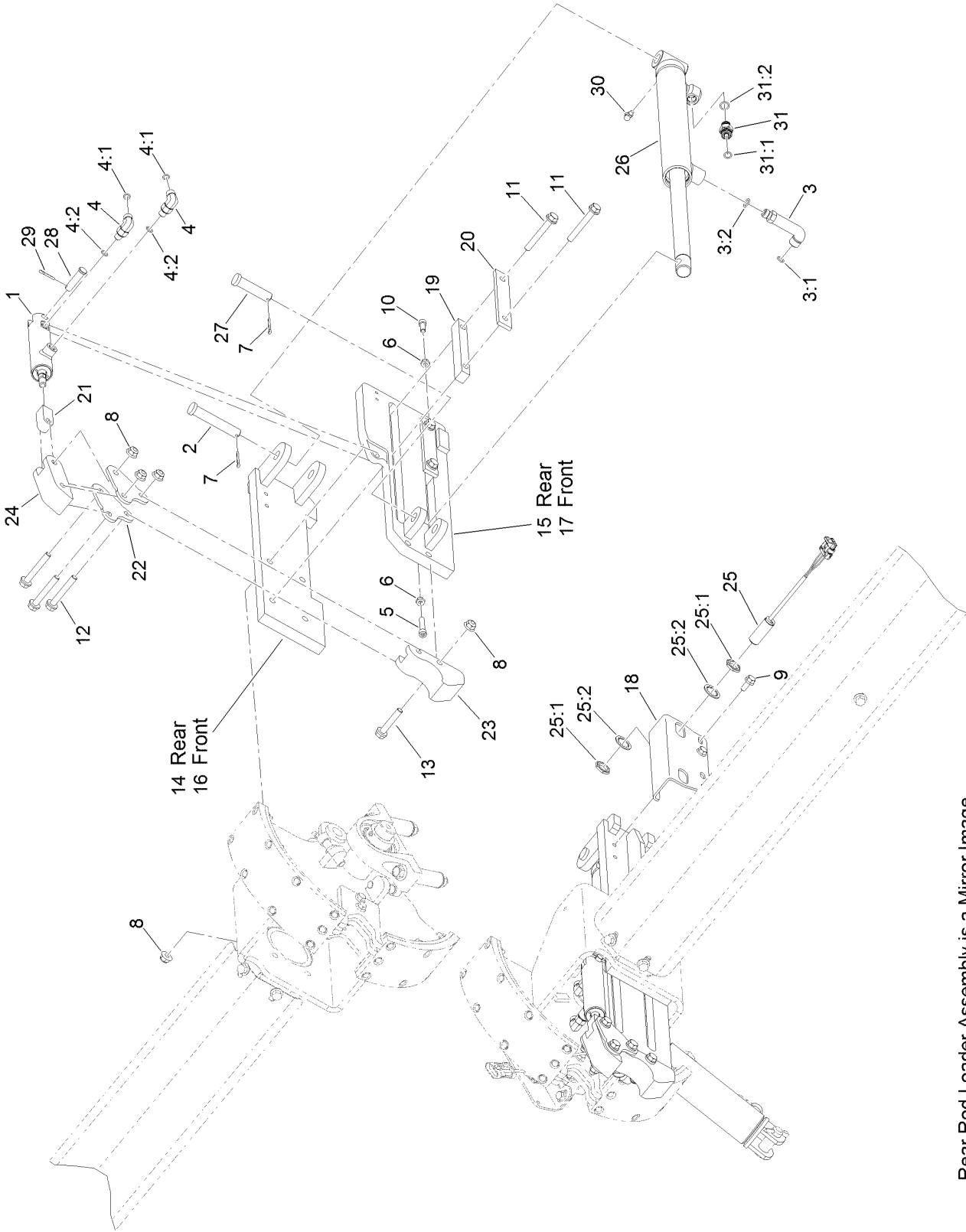
Grease Pump Assembly No. AU108837-03



Grease Pump Assembly No. AU108837-03 (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	AU108858-03	1	Cap-Cylinder	10	AU108870	1	Spring
2	AU8HS51920	2	Seal-O Ring	11	AU108866-03	1	Barrel-Pump
3	AU108861	1	Spool-Adjusting	12	AU8HS51916	1	Seal-O Ring
4	AU238-5113	2	O-Ring	13	AU108860	1	Clip-Retainer
5	AU108862-03	1	Barrel-Cylinder	14	AU108867	1	Valve-Seat
6	AU108865	1	Plunger	15	AU108869	1	Ball-Steel, Stainless
7	AU108859-03	1	Body-Pump	16	AU108868	1	Tube-Inlet
8	AU8HS10002	2	Seal-Deep	17	322-47	1	Screw-HH
9	AU108863	1	Guide-Rod	18	3218-2	1	Nut-Jam

Rod Loader Assembly

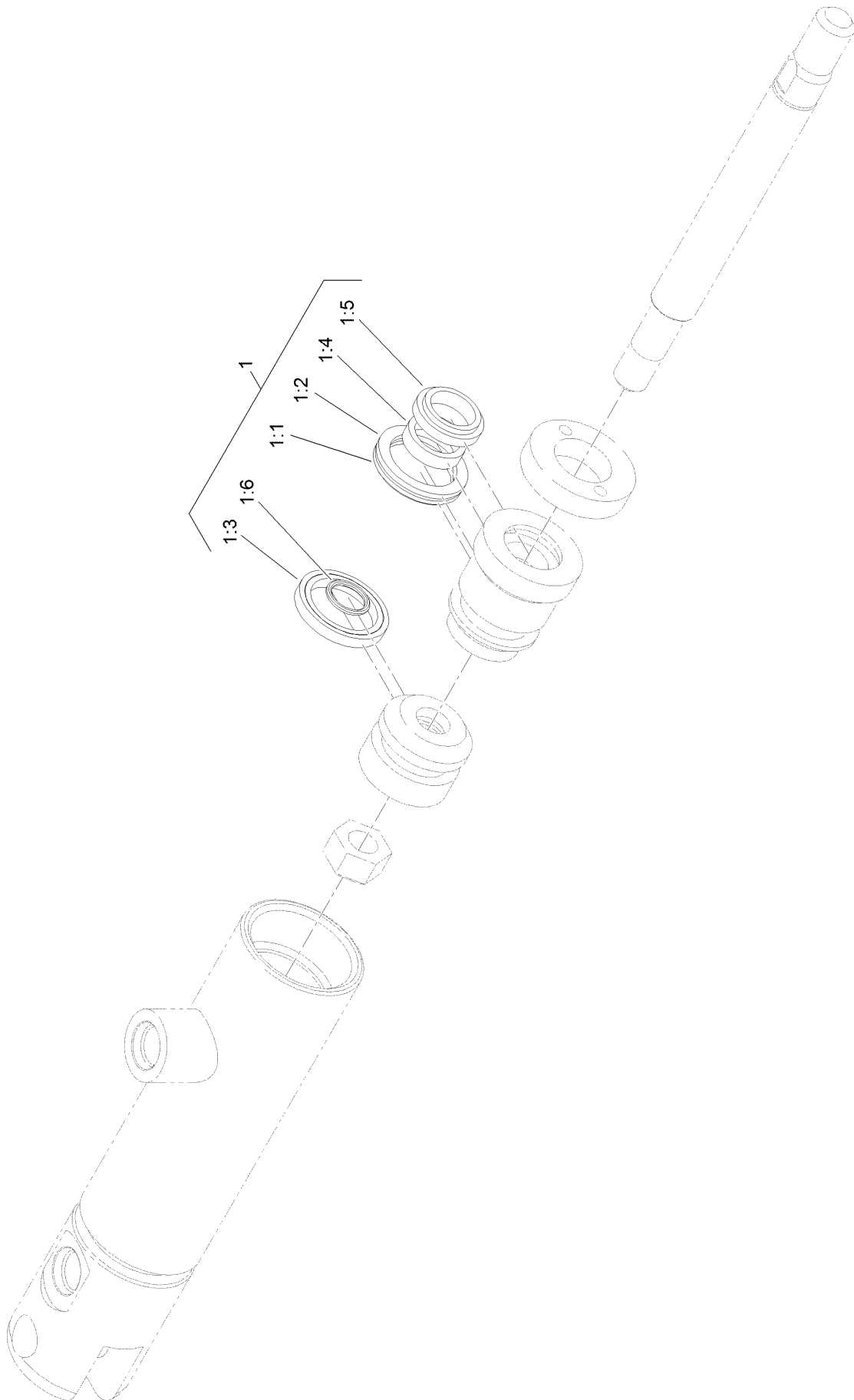


Rear Rod Loader Assembly is a Mirror Image of Front Rod Loader Assembly, with the Exception of Proximity Switch (25) and Related Components

Rod Loader 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	125-4463	2	HYD Cylinder ASM	17	133-9638-01	1	Slider-Front
2	283-78	2	Pin-Clevis	18	133-6058-01	2	Plate-Mount, Sensor
3	69-4320	2	Fitting-HYD, 90 DEG	19	133-9641-01	4	Guide-Arm, Extension
3:1	237-22	1	O-Ring	20	133-9642-01	4	Cap-Guide, Extension Arm
3:2	237-42	1	O-Ring	21	133-9646	2	Rod-Eye, Cylinder
4	340-132	4	Fitting-Elbow, 90	22	133-9645	4	Plate-Gripper, Rotate
4:1	237-78	1	O-Ring	23	133-9643	2	Insert-Gripper, Fixed
4:2	237-21	1	O-Ring	24	133-9644	2	Insert-Gripper, Rotate
5	3274-83	2	Screw-HSH	25	115-5300	1	Proximity Switch ASM
6	3218-2	4	Nut-Jam	25:1	117-3207	2	Nut-Hex
7	3272-12	4	Pin-Cotter	25:2	117-3208	2	Washer-Lock, Internal Tooth
8	104-8301	16	Nut-HF, NI	26	133-5959	2	Cylinder-Hydraulic
9	3234-47	2	Screw-HHF	27	AUH32920	2	Pin-Clevis
10	3274-10	2	Screw-HSH	28	127-0889	2	Pin-Clevis
11	133-9682	8	Screw-Hfh	29	3272-10	2	Pin-Cotter
12	3234-39	6	Screw-HHF	30	302-40	2	Fitting-Grease, 90 DEG
13	108-3742	2	Screw-HHF	31	340-2	2	Fitting-Straight
14	136-6851-01	1	Arm-Extension, Rear	31:1	237-22	1	O-Ring
15	133-9639-01	1	Slider-Rear	31:2	237-42	1	O-Ring
16	136-6850-01	1	Arm-Extension, Front				

Hydraulic Cylinder Assembly No. 125-4463



Hydraulic Cylinder Assembly No. 125-4463 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-9688	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Ring-Backup ●
1:3		1	Seal-P S P ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Seal-B S ●
1:5		1	Seal-Dust ●
1:6		1	O-Ring ●

● Not serviced separately

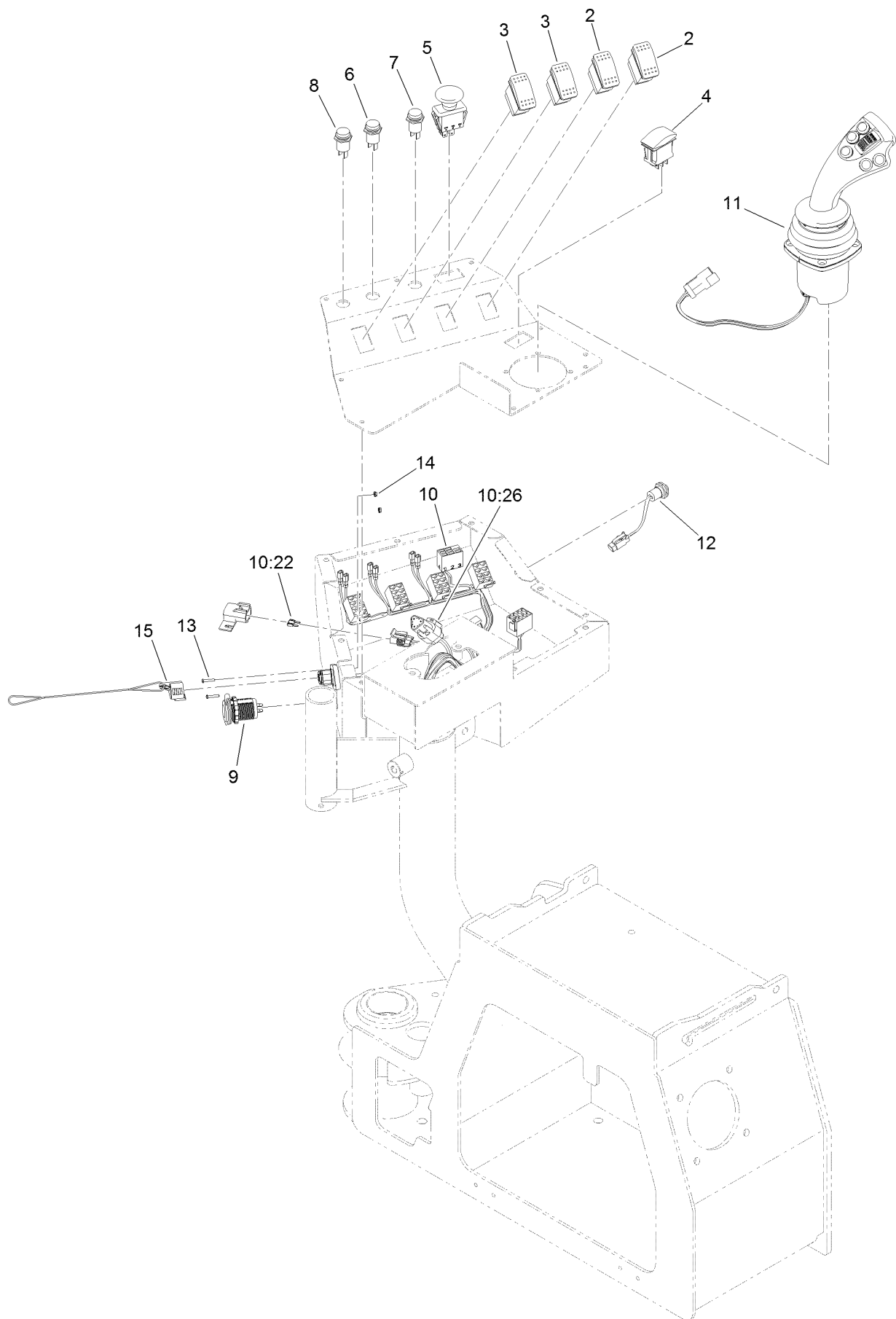
Hydraulic Cylinder Assembly No. 133-5959 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5219	1	Repair Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Psp Seal ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Wear Ring ●
1:5		1	Bt Seal ●
1:6		1	Dust Seal ●
1:7		1	O-Ring ●

● Not serviced separately

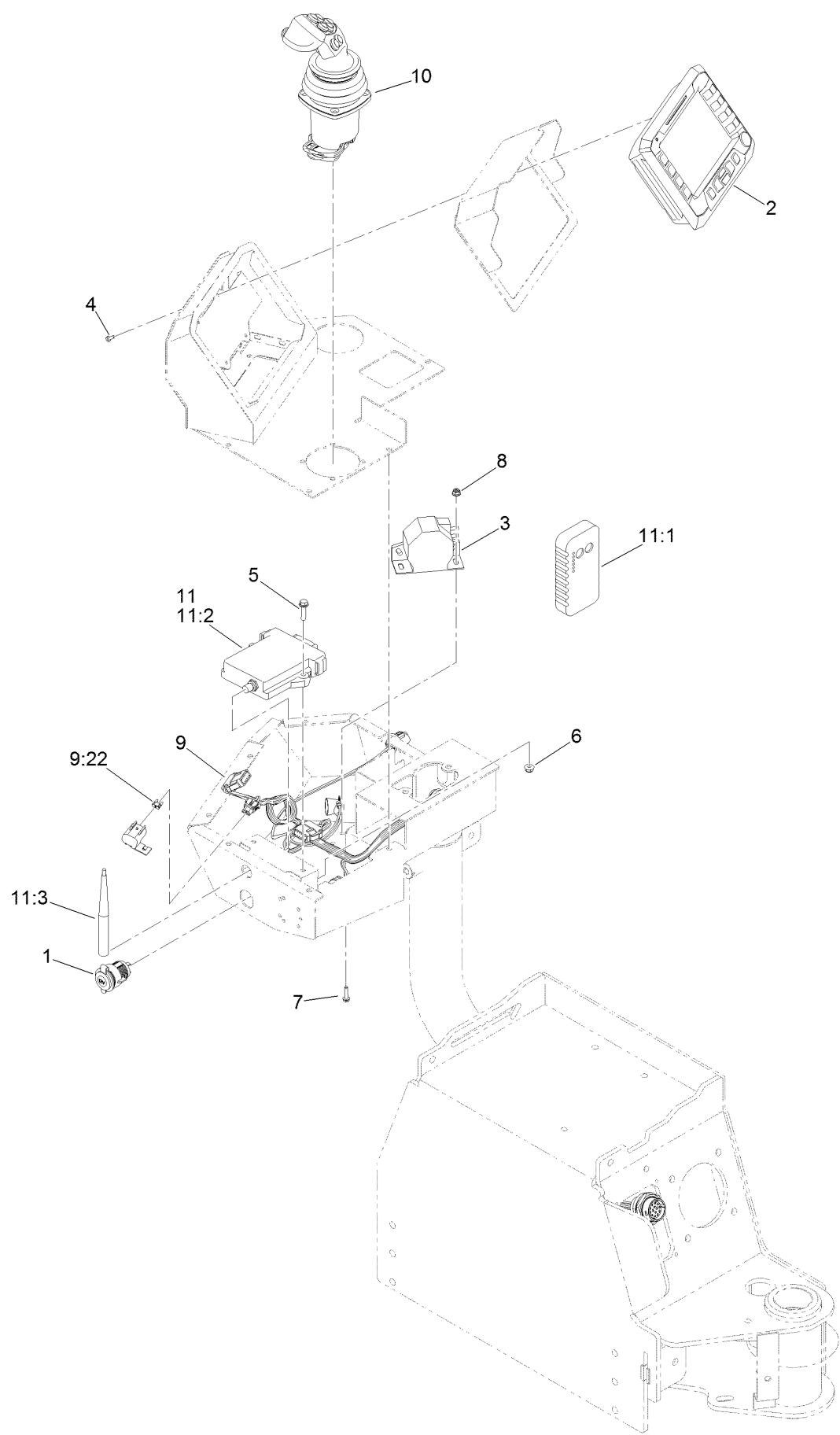
Left Console Operator Controls Assembly



Left Console Operator Controls 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>
2	95-8999	2	Switch	10	122-0099	1	Harness-Wire, Left Console
3	106-2027	2	Switch-Intermittent	10:22	121-8864	1	Fuse-Mini Blade, 5 Amp
4	100-1535	1	Switch, (On)-Off-(On)	10:26	32180-043	1	Resistor-120 Ohm
5	136-6888	1	Switch, E-Stop	11	137-8327	1	Joystick-LH
6	131-0040	1	Lamp-Indicator, LED	12	122-1040	1	Switch-Button, Push
7	131-0039	1	Lamp-Indicator, LED	13	1-3084	4	Screw-PPH
8	131-0038	1	Lamp-Indicator, LED	14	9157324	4	Nut-Hex, NYL INS
9	131-8388	1	Socket-USB	15	122-1135	2	Cap/Tether ASM

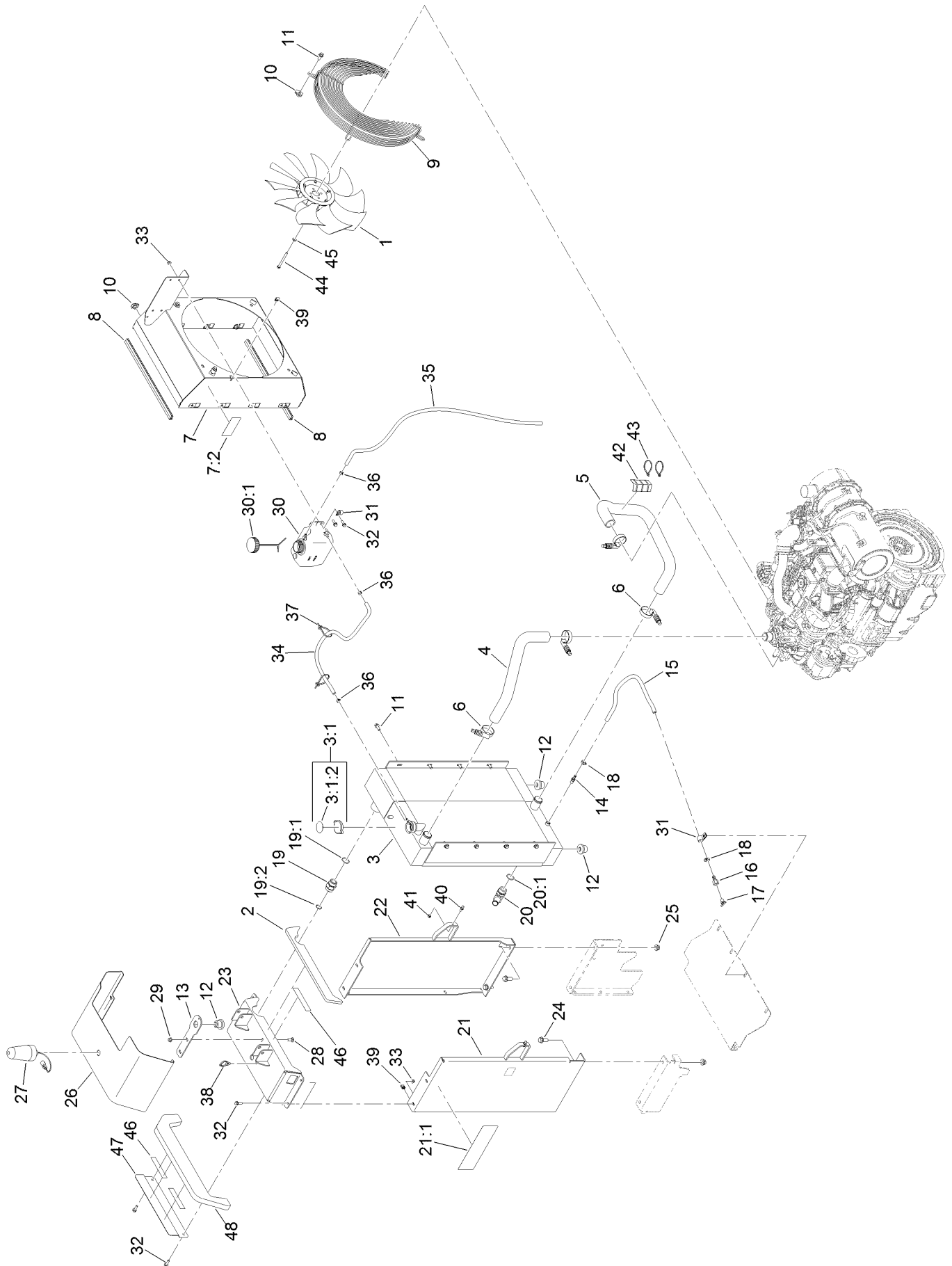
Right Console Operator Controls Assembly



Right Console Operator Controls 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	109-9376	1	Receptacle-12V	9:22	121-8864	1	Fuse-Mini Blade, 5 Amp
2	131-0117	1	Display	10	137-8326	1	Joystick-RH
3	AU8EP29105	1	Alarm-Backup	11	133-6314	1	Long Range Exit Side Lockout Kit
4	60-6500	4	Screw-HH	11:1	133-6315	1	Handheld-Range, Long
5	120-4654	2	Screw-HHF	11:2	133-6317	1	Base Unit-Range, Long
6	104-7201	2	Nut-HF	11:3	130-4462	1	Antenna-Lockout
7	32105-13	2	Screw-HWH				
8	120-4578	2	Nut-HF				
9	122-0101	1	Harness-Wire, Right Console				

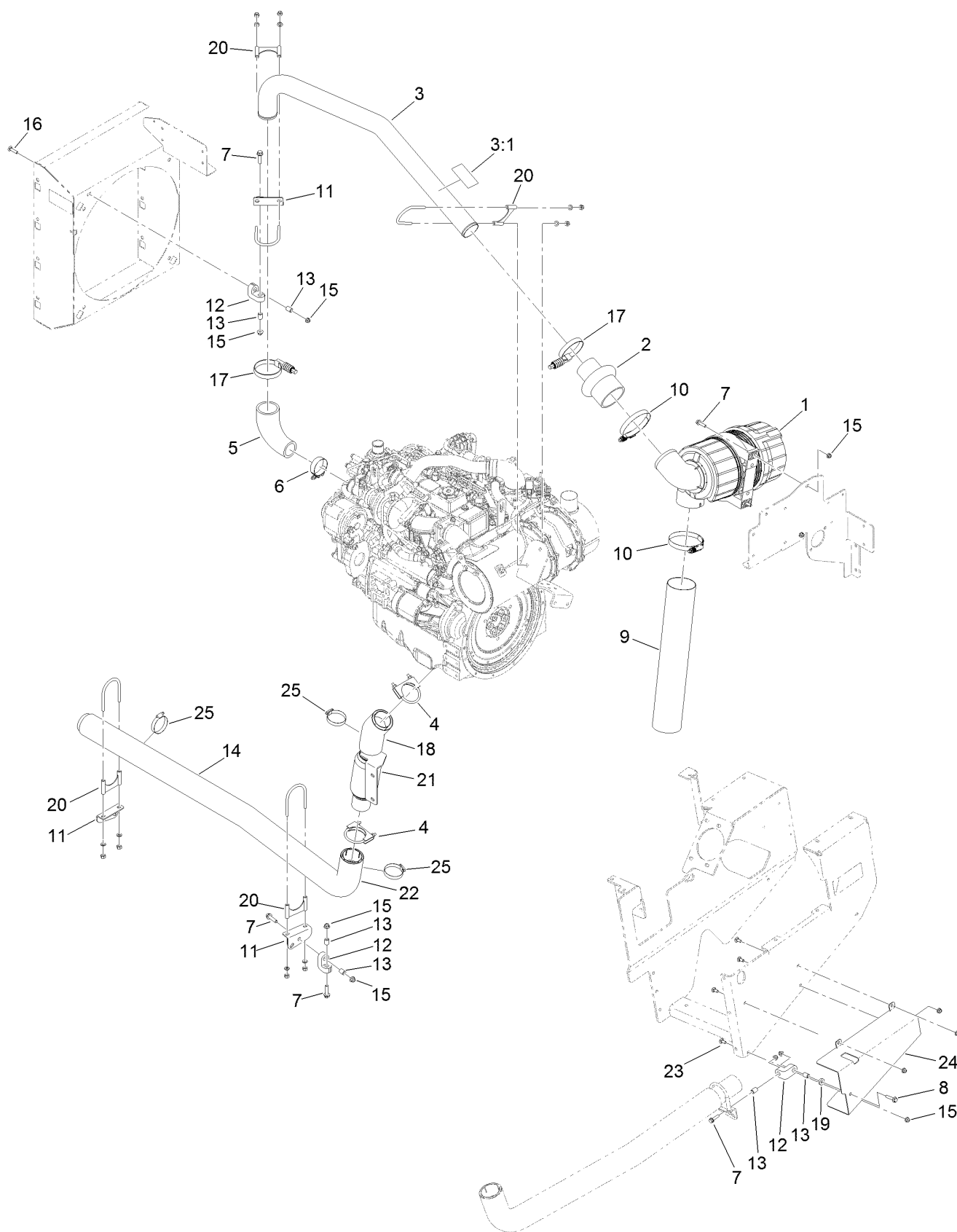
Cooling Package Assembly



Cooling Package 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	131-8865	1	Fan	23	131-8871-03	1	Support-Radiator
2	137-5217	1	Foam-Radiator	24	3234-38	4	Screw-HHF
3	131-8863	1	Cooler ASM	25	99-5107	4	Nut-Lock
3:1	119-1430	1	Radiator Cap ASM	26	131-8893-03	1	Cover-Radiator
3:1:2	117-3276	1	Decal-Danger	27	125-4528	1	Light-Strobe
4	131-0002	1	Hose-Radiator, Upper	28	3231-2	2	Bolt-CARR
5	131-0003	1	Hose-Radiator, Lower	29	104-8301	2	Nut-HF, NI
6	121-7536	4	Clamp-Torque, Constant	30	120-5573	1	Coolant Reservoir ASM
7	137-5294	1	Fan Shroud ASM	30:1	87-7050	1	Cap-Reservoir
7:2	125-6127	1	Decal-Rotating Fan Hazard	31	2412-41	2	Clamp-R
8	115-0424	2	Seal-Bulb	32	3234-29	10	Screw-HHF
9	AU8HX30005-2	1	Guard-Fan	33	104-8300	10	Nut-HF, NI
10	105-4886	12	Nut-Tinnerman	34	136-1551	1	Hose-Tank, Expansion
11	3234-42	12	Screw-HHF	35	136-1552	1	Hose-Overflow
12	119-1422	3	Mount-Isolator	36	92-2379	3	Clamp-Hose
13	131-8879-03	1	Plate-Support, Radiator	37	3290-378	2	Tie-Cable
14	108-0342	1	Fitting-Straight	38	32180-030	1	Clip-Tie
15	132-1331	1	Hose-Overflow, Radiator	39	609900	2	Nut-Speed
16	354-94	1	Fitting-Female, Barbed	40	103-5752	2	Stud-Ball
17	93-5528	1	Fitting-Cock, Drain	41	3296-47	2	Nut-Lock, NI
18	2412-108	2	Clamp-Worm	42	AU112950	1	Protector-Hose
19	104-3797	1	Fitting-Straight	43	3290-379	2	Tie-Cable
19:1	237-146	1	O-Ring	44	33114-090	4	Screw-HH
19:2	340-65	1	O-Ring	45	33094-00	4	Washer-Plain
20	23-8910	1	Stem-Barb-90	46	130-6112	3	Tape-Double Stick
20:1	237-146	1	O-Ring	47	138-1288-03	1	Plate-Blocking
21	137-8350	1	Support ASM-Radiator, RH	48	138-1287	1	Foam-Blocking
21:1	137-7169	1	Decal-Safety				
22	137-1821-03	1	Bracket-Radiator Support, LH				

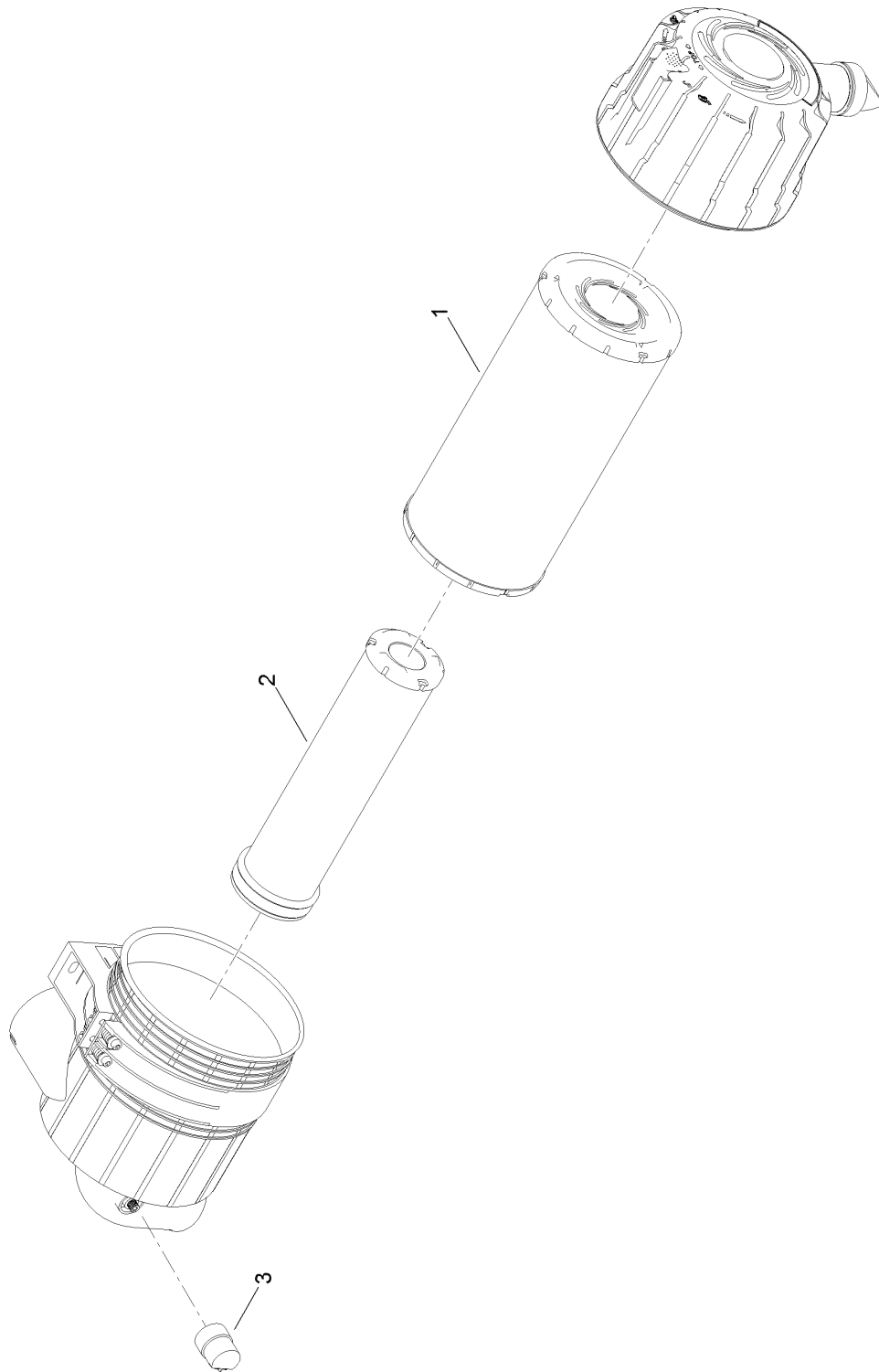
Engine Intake and Exhaust Assembly



Engine Intake and Exhaust 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	130-9160	1	Air Filter ASM	13	93-5023	6	Spacer
2	131-8861	1	Hose-Hump	14	138-1333	1	Wrap-Thermal, Exhaust
3	137-8385	1	Tube ASM-Air Intake	15	104-8300	8	Nut-HF, NI
3:1	125-6129	1	Decal-Warning, Hot Surface	16	112-6950	1	Screw-CARR
4	112-7310	2	Clamp-Muffler	17	AU21001153	2	Clamp-Torque, Constant
5	131-8862	1	Hose	18	138-1332	1	Wrap-Thermal, Exhaust
6	AU8CL14032	1	Clamp, T-Bolt	19	26-4840	1	Spacer-Pin, Mounting
7	119-4036	5	Screw-HHF	20	131-8895	4	Clamp-Guillotine
8	115-1794	2	Screw-HHF	21	136-8930	1	Pipe-Exhaust
9	131-8852	1	Hose-Inlet, Air	22	137-8398	1	Tube-Exhaust
10	131-2229	2	Clamp-Hose	23	3230-1	4	Bolt-CARR
11	131-8898-03	3	Bracket-Tube, Intake	24	137-8322-03	1	Guard-Exhaust, Long
12	95-5622	3	Hanger-Rubber	25	2412-130	2	Clamp-Hose

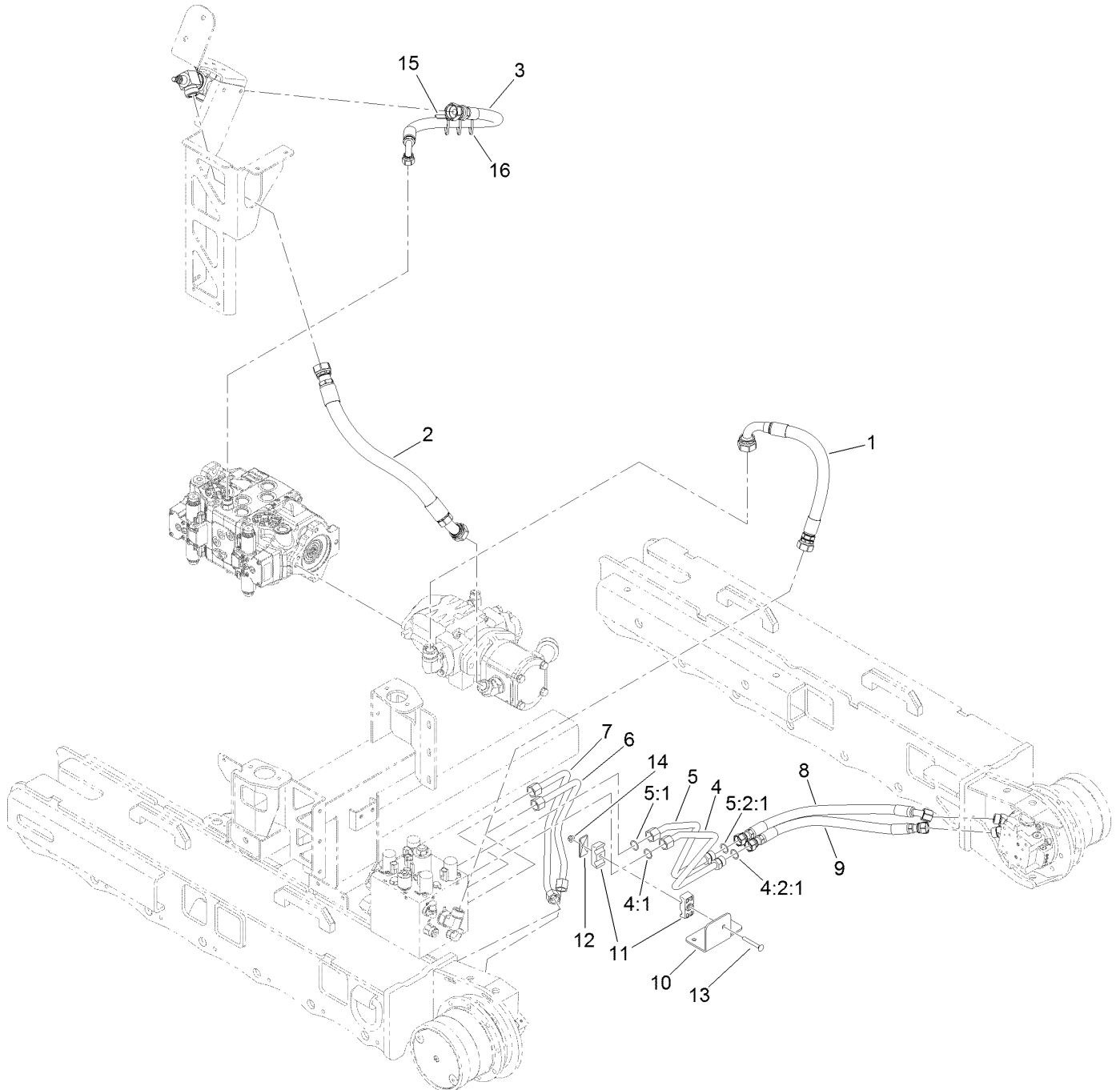
Air Filter Assembly No. 130-9160



Air Filter Assembly No. 130-9160 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-3815	1	Filter-Air
2	130-9070	1	Element-Filter, Safety
3	69-1940	1	Indicator-Electrical

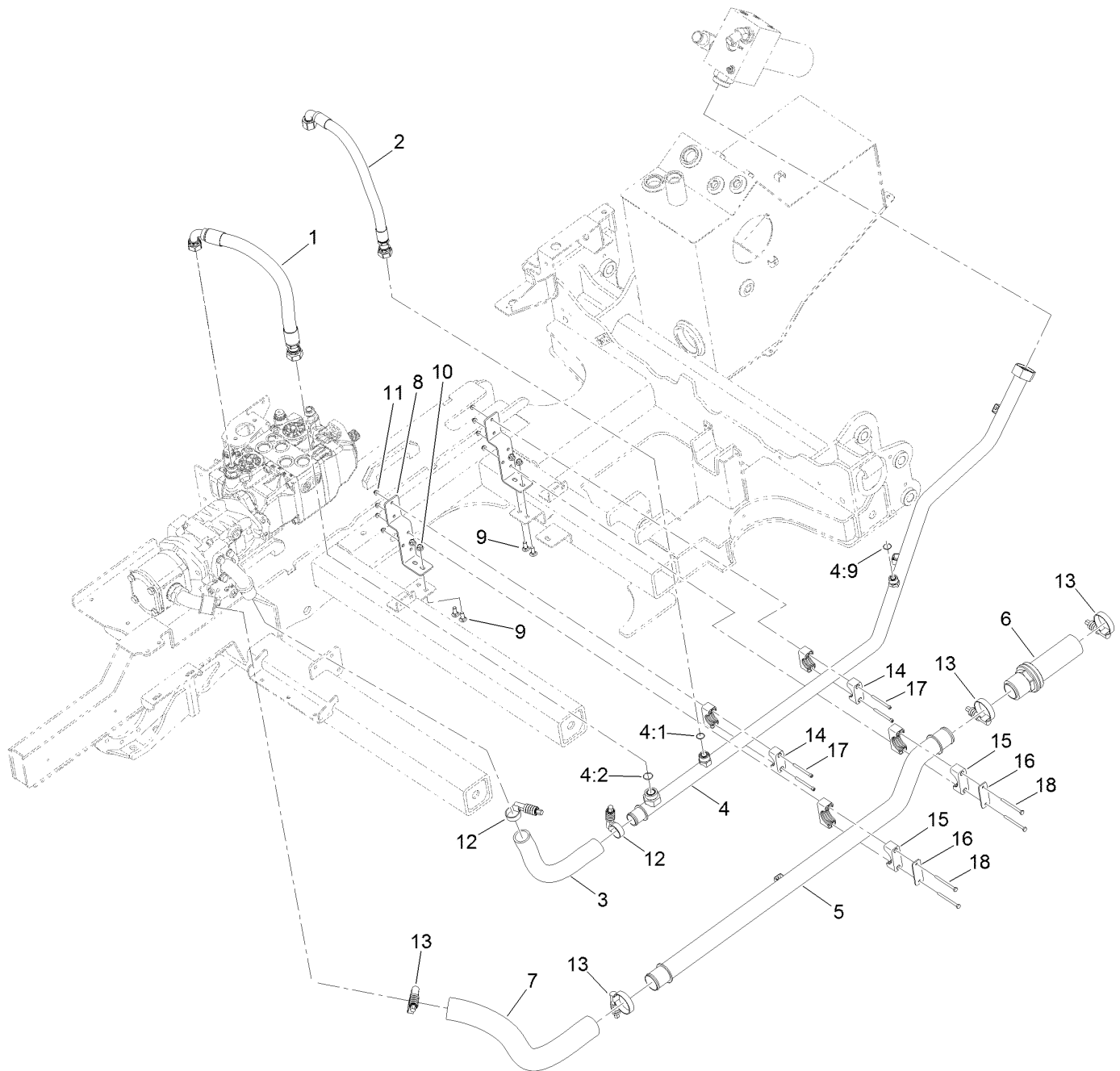
Wheel Motor Hydraulic Hose Assembly



Wheel Motor Hydraulic 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>
1	133-5980	1	Hose ASM-HYD	7	137-5258	1	Tube ASM-HYD
2	133-5982	1	Hose ASM-HYD	8	137-5261	1	Hose ASM-HYD
3	133-5986	1	Hose ASM-HYD	9	137-5262	1	Hose ASM-HYD
4	137-5259	1	Tube ASM-HYD	10	137-5265-03	1	Bracket-Clamp, Battery
4:1	237-65	1	O-Ring	11	119-8173	2	Clamp-Tube
4:2:1	237-65	1	O-Ring	12	69-9761	1	Plate-Cover
5	137-5260	1	Tube ASM-HYD	13	3230-8	1	Screw-CARR
5:1	237-65	1	O-Ring	14	104-8300	1	Nut-HF, NI
5:2:1	237-65	1	O-Ring	15	AU112950	1	Protector-Hose
6	137-5257	1	Tube ASM-HYD	16	3290-379	3	Tie-Cable

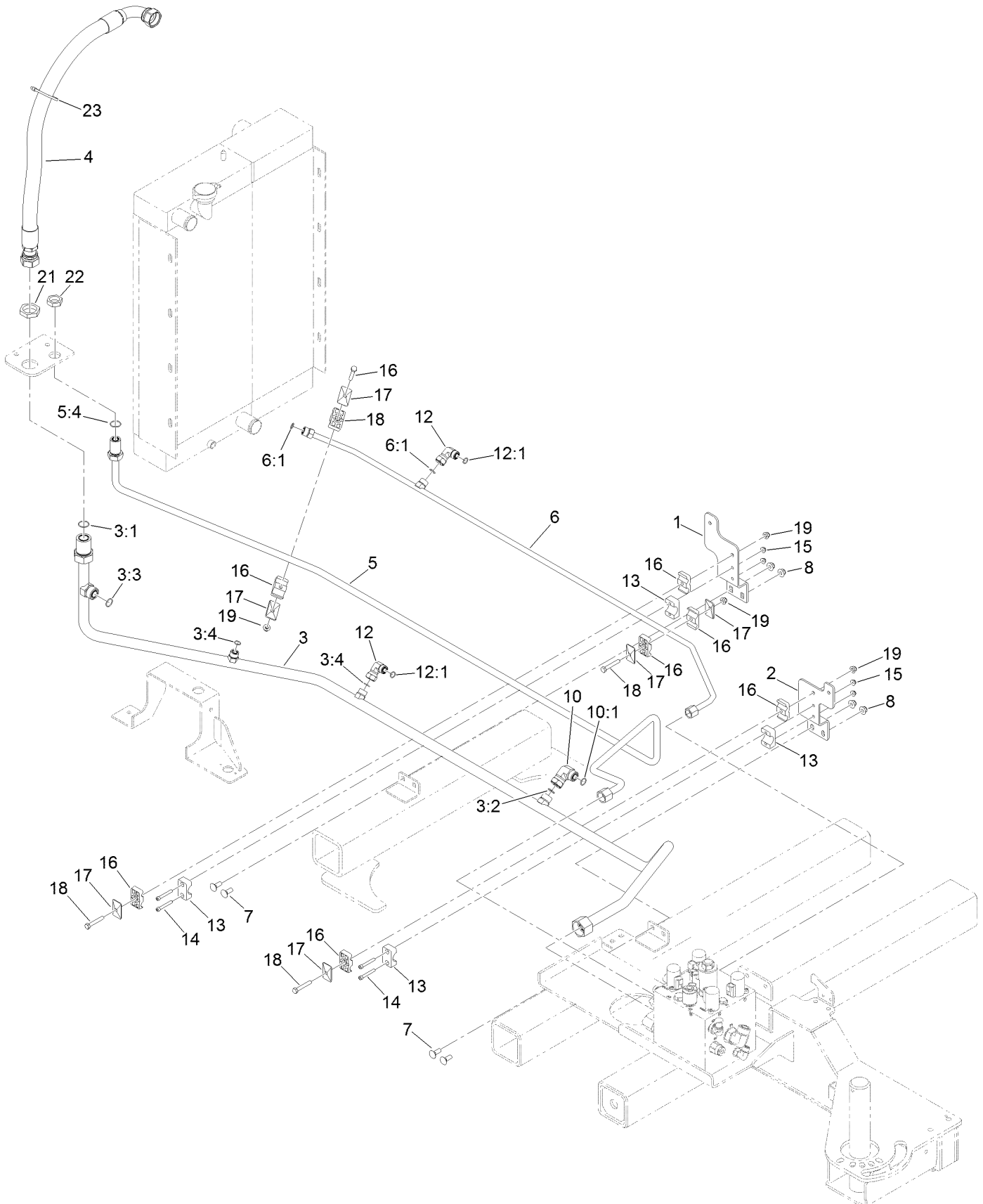
Suction Pump and Case Drain Hydraulic Hose Assembly



Suction Pump and Case Drain Hydraulic 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>
1	137-8373	1	Hose ASM-HYD	9	3231-2	4	Bolt-CARR
2	133-5984	1	Hose ASM-HYD	10	104-8301	4	Nut-HF, NI
3	133-5985	1	Hose-Hydraulic	11	104-7201	8	Nut-HF
4	133-6102	1	Tube ASM	12	AU21000940	2	Clamp-Torque, Constant
4:1	237-58	1	O-Ring	13	AU110569	4	Clamp-Torque, Constant
4:2	340-65	1	O-Ring	14	136-8814	2	Clamp-Tube
4:9	237-65	1	O-Ring	15	136-8815	2	Clamp-Tube
5	133-6100	1	Tube ASM-HYD	16	137-1777	2	Plate-Cover, Clamp
6	133-5996	1	Hose-Hydraulic	17	137-1748	4	Screw-HSH
7	133-5997	1	Hose Hydraulic	18	321-20	4	Screw-HH
8	136-8835-03	2	Bracket-Hanger, Suction Line				

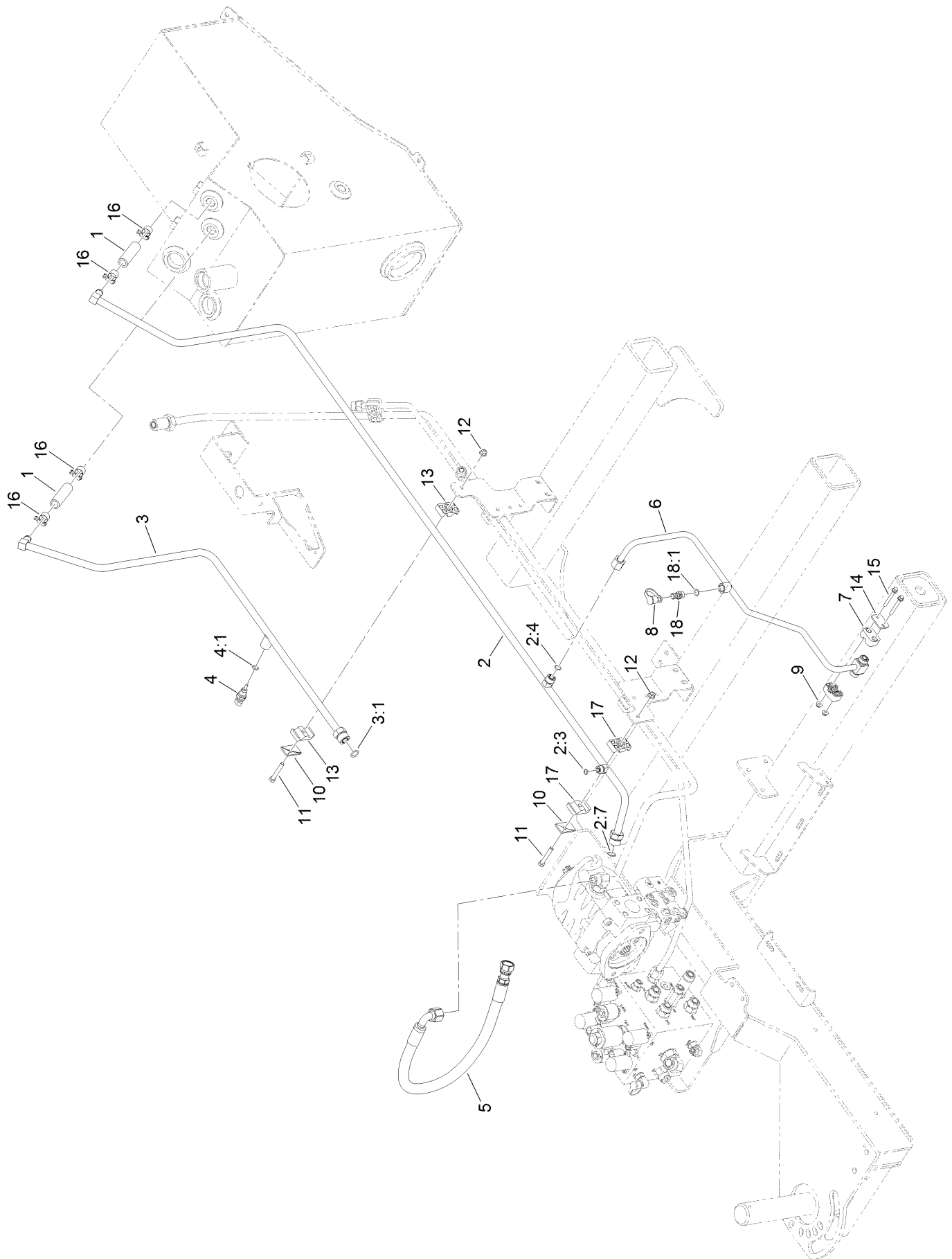
Radiator and Oil Cooler Hydraulic Hose Assembly



Radiator and Oil Cooler Hydraulic 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>
1	136-8834-03	1	Bracket-Hanger, Rear	10	340-160	1	Fitting-HYD-90
2	136-8833-03	1	Bracket-Hanger, Front	10:1	237-65	1	O-Ring
3	133-6101	1	Tube ASM	12	94-6031	2	Fitting-HYD
3:1	340-65	1	O-Ring	12:1	237-30	1	O-Ring
3:2	237-65	1	O-Ring	13	114-4901	4	Clamp
3:3	237-58	1	O-Ring	14	119-4035	4	Screw-HSH
3:4	237-30	2	O-Ring	15	104-7201	4	Nut-HF
4	133-5993	1	Hose ASM-HYD	16	56-7977	8	Clamp-Tube
5	136-8801	1	Tube ASM-HYD	17	69-9760	6	Coverplate
5:4	237-65	1	O-Ring	18	322-10	4	Screw-HH
6	136-8867	1	Tube ASM-HYD	19	104-8300	4	Nut-HF, NI
6:1	237-30	2	O-Ring	21	340-128	1	Nut-Bulkhead
7	3231-2	4	Bolt-CARR	22	340-74	1	Nut-Lock, Bulkhead
8	104-8301	4	Nut-HF, NI	23	3290-379	1	Tie-Cable

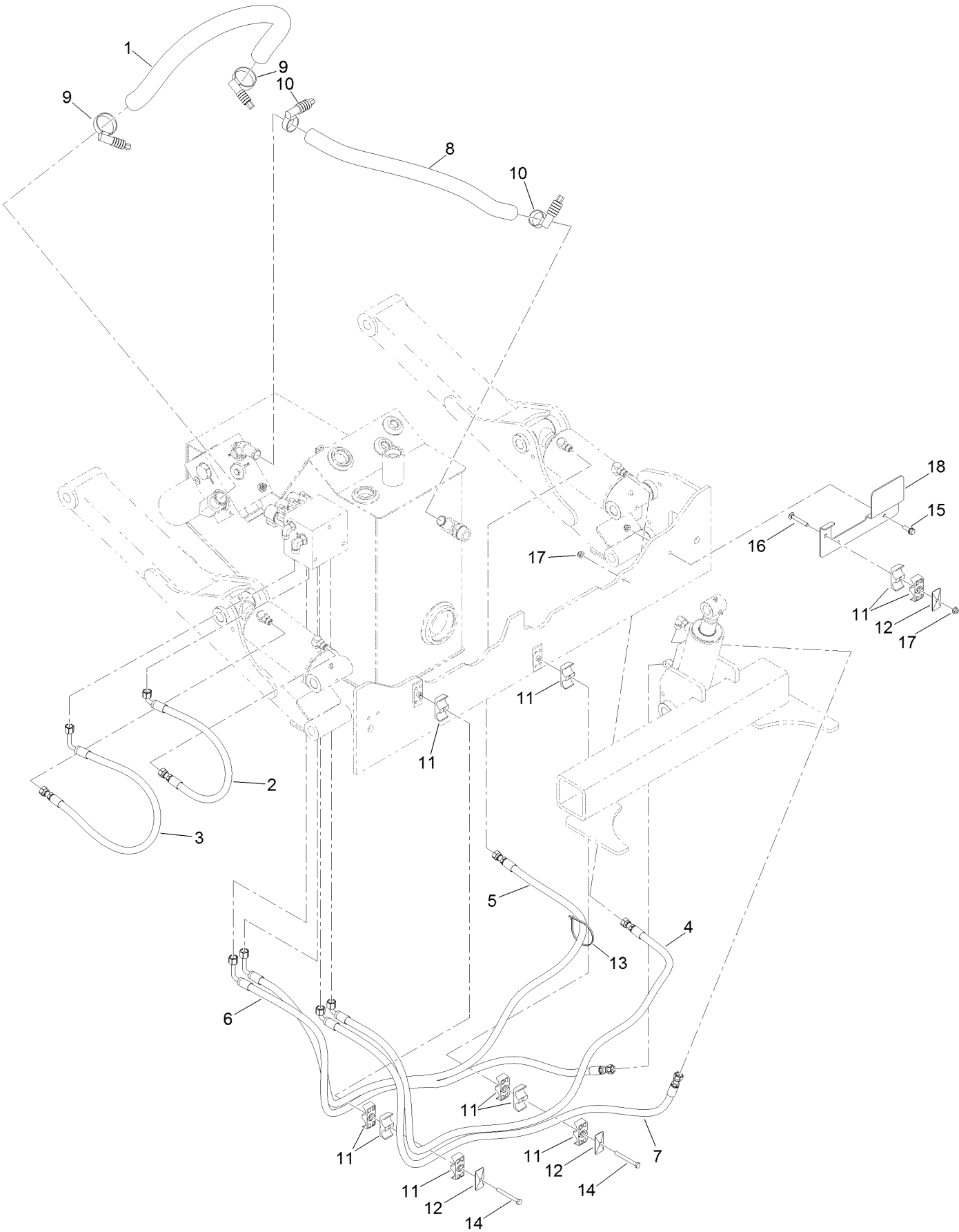
Hydraulic Tank Hydraulic Hose Assembly



Hydraulic Tank Hydraulic 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>
1	114-4920	2	Hose	8	354-79	1	Cap-Dust
2	136-8802	1	Tube ASM-HYD	9	104-7201	2	Nut-HF
2:3	237-22	1	O-Ring	10	69-9760	2	Coverplate
2:4	237-30	1	O-Ring	11	322-10	2	Screw-HH
2:7	237-65	1	O-Ring	12	104-8300	2	Nut-HF, NI
3	133-6112	1	Tube ASM	13	56-7971	2	Clamp-Tube
3:1	237-65	1	O-Ring	14	137-1775	1	Plate-Cover, Clamp
4	110-8829	1	Sender-Temperature	15	3234-34	2	Screw-HHF
4:1	237-42	1	O-Ring	16	2412-119	4	Clamp-Hose, Worm Drive
5	133-6038	1	Hose ASM-HYD	17	56-7977	2	Clamp-Tube
6	133-6123	1	Tube ASM	18	59-7410	1	Fitting-Diagnostic
7	136-8813	1	Clamp-Tube	18:1	237-42	1	O-Ring

Stablizer Legs and Return Manifold Hydraulic Hose Assembly

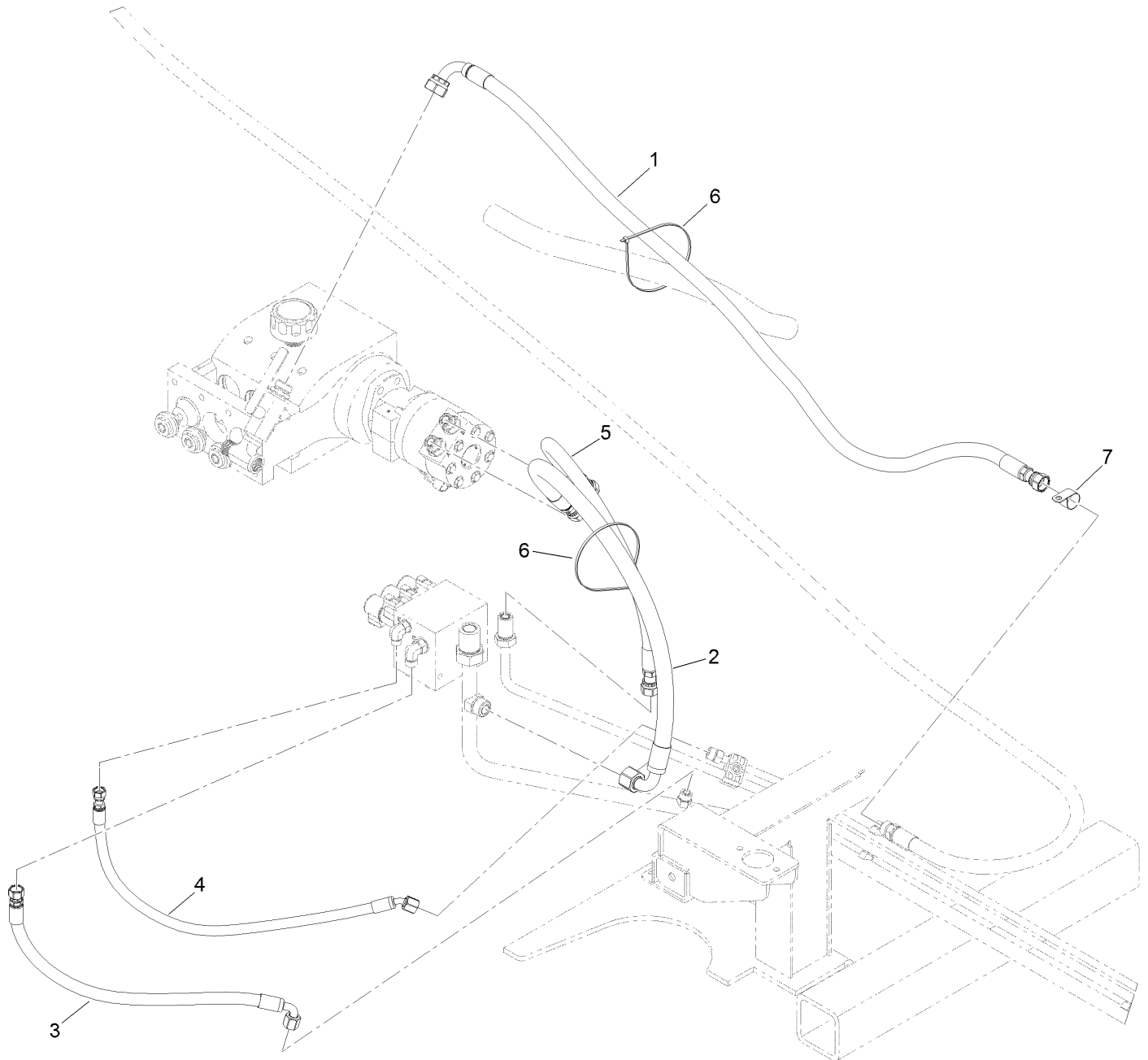


Stablizer Legs and Return Manifold Hydraulic Hose Assembly (continued)

<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>
1	133-5994	1	Hose-Hydraulic	10	AU21000940	2	Clamp-Torque, Constant
2	133-6028	1	Hose ASM-HYD	11	56-7974	10	Clamp-Tube
3	133-6029	1	Hose ASM-HYD	12	69-9761	3	Plate-Cover
4	133-6030	1	Hose ASM-HYD	13	3290-379	1	Tie-Cable
5	133-6031	1	Hose ASM-HYD	14	322-20	2	Screw-HH
6	133-6032	1	Hose ASM-HYD	15	3234-29	2	Screw-HHF
7	133-6033	1	Hose ASM-HYD	16	3230-7	1	Bolt-CARR
8	133-5995	1	Hose-Hydraulic	17	104-8300	3	Nut-HF, NI
9	121-7536	2	Clamp-Torque, Constant	18	137-5274-03	1	Guard-Hose

Mud Pump and Setup

Hydraulic Hose Assembly

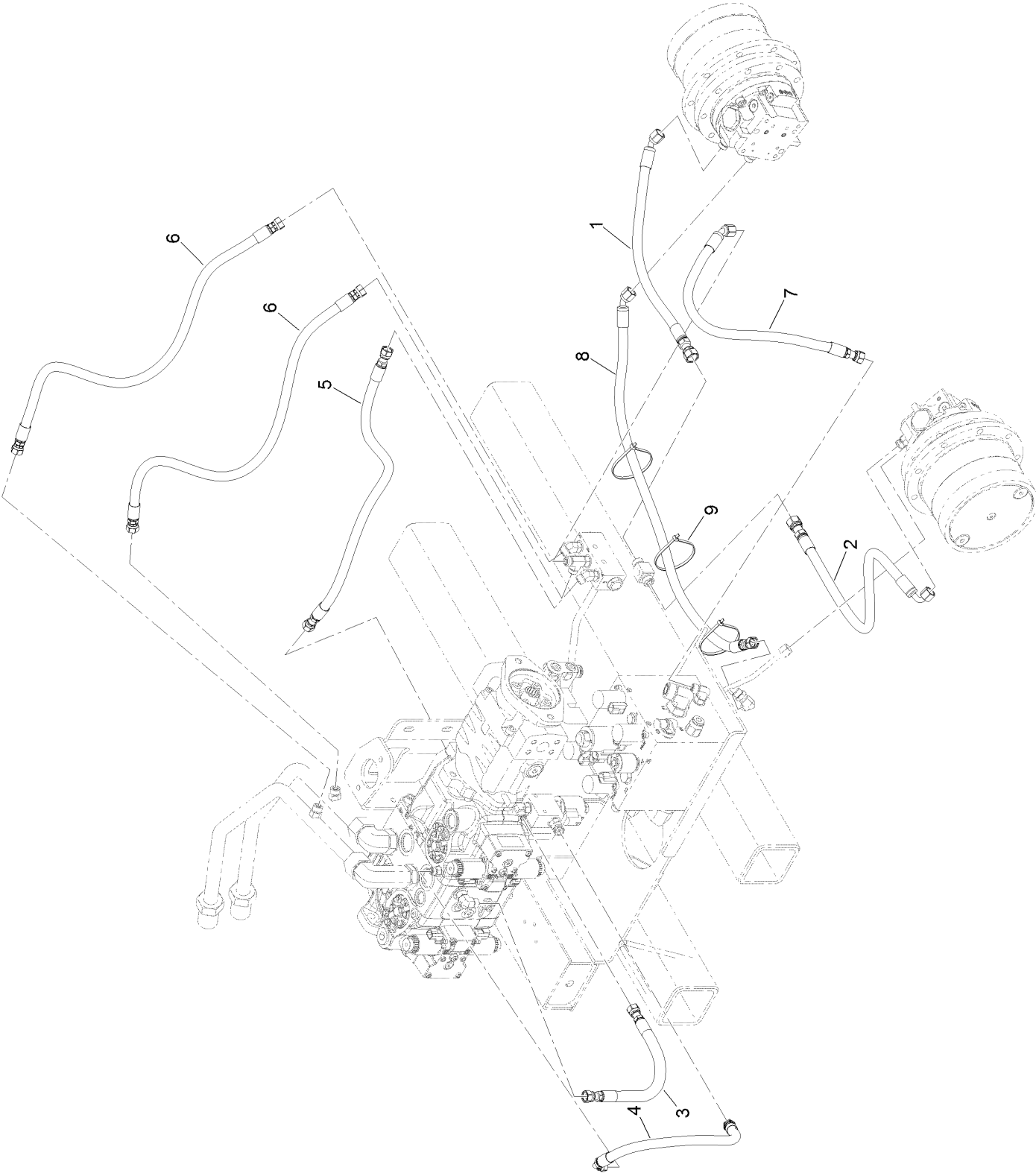


Mud Pump and Setup

Hydraulic 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>
1	136-6103	1	Hose-ASM-HYD	5	136-8804	1	Hose ASM-HYD
2	136-8800	1	Hose ASM-HYD	6	3290-379	2	Tie-Cable
3	136-8805	1	Hose ASM-HYD	7	2412-126	1	R-Clamp
4	136-8807	1	Hose ASM-HYD				

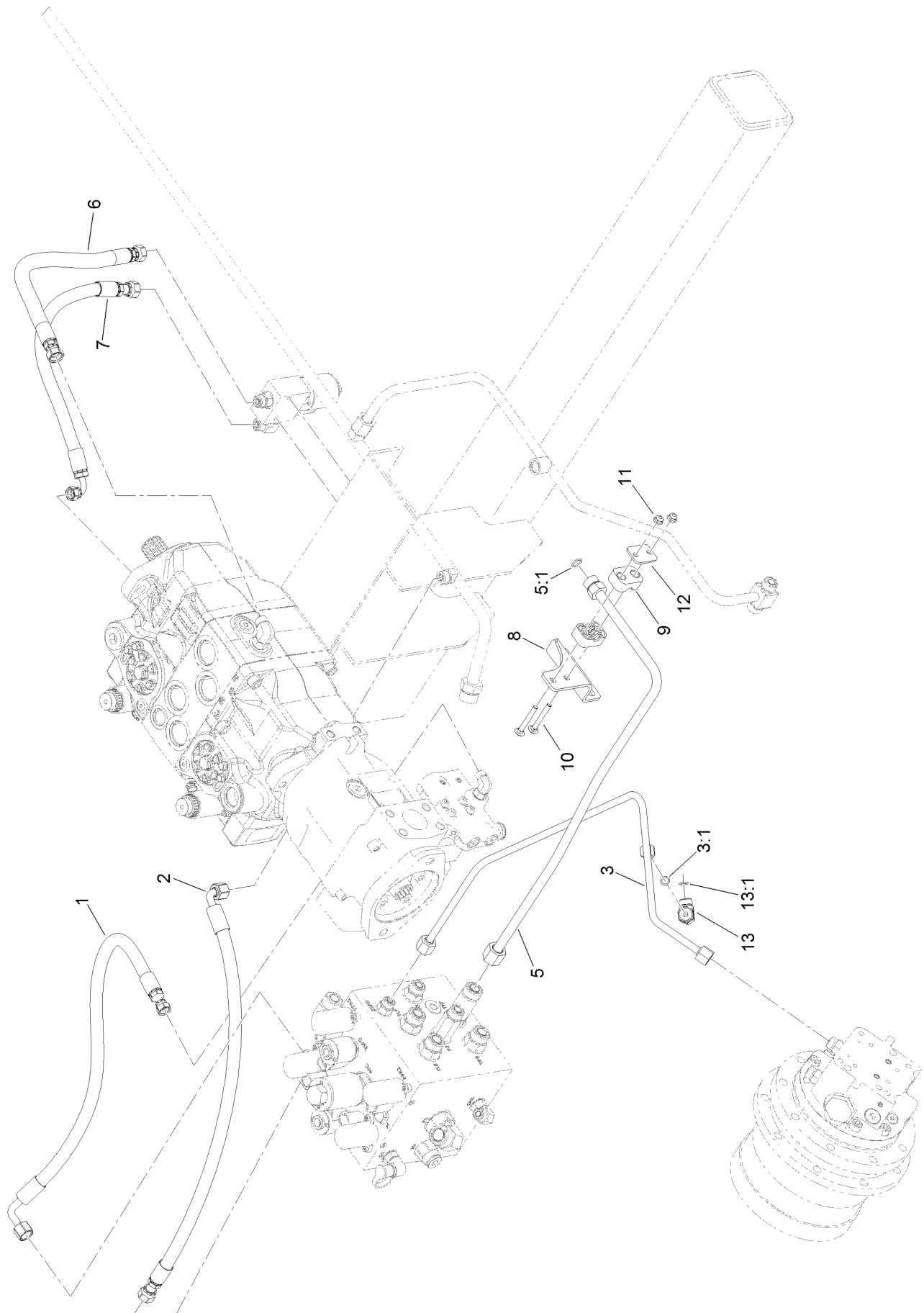
**Rotary Charge Check Manifold
Hydraulic Hose Assembly**



Rotary Charge Check Manifold Hydraulic 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>
1	137-5253	1	Hose ASM-HYD	6	137-7148	2	Hose ASM-HYD
2	137-5254	1	Hose ASM-HYD	7	137-7146	1	Hose ASM-HYD
3	136-8925	1	Hose ASM-HYD	8	137-5256	1	Hose-HYD
4	136-8926	1	Hose ASM-HYD	9	3290-379	3	Tie-Cable
5	136-8921	1	Hose ASM-HYD				

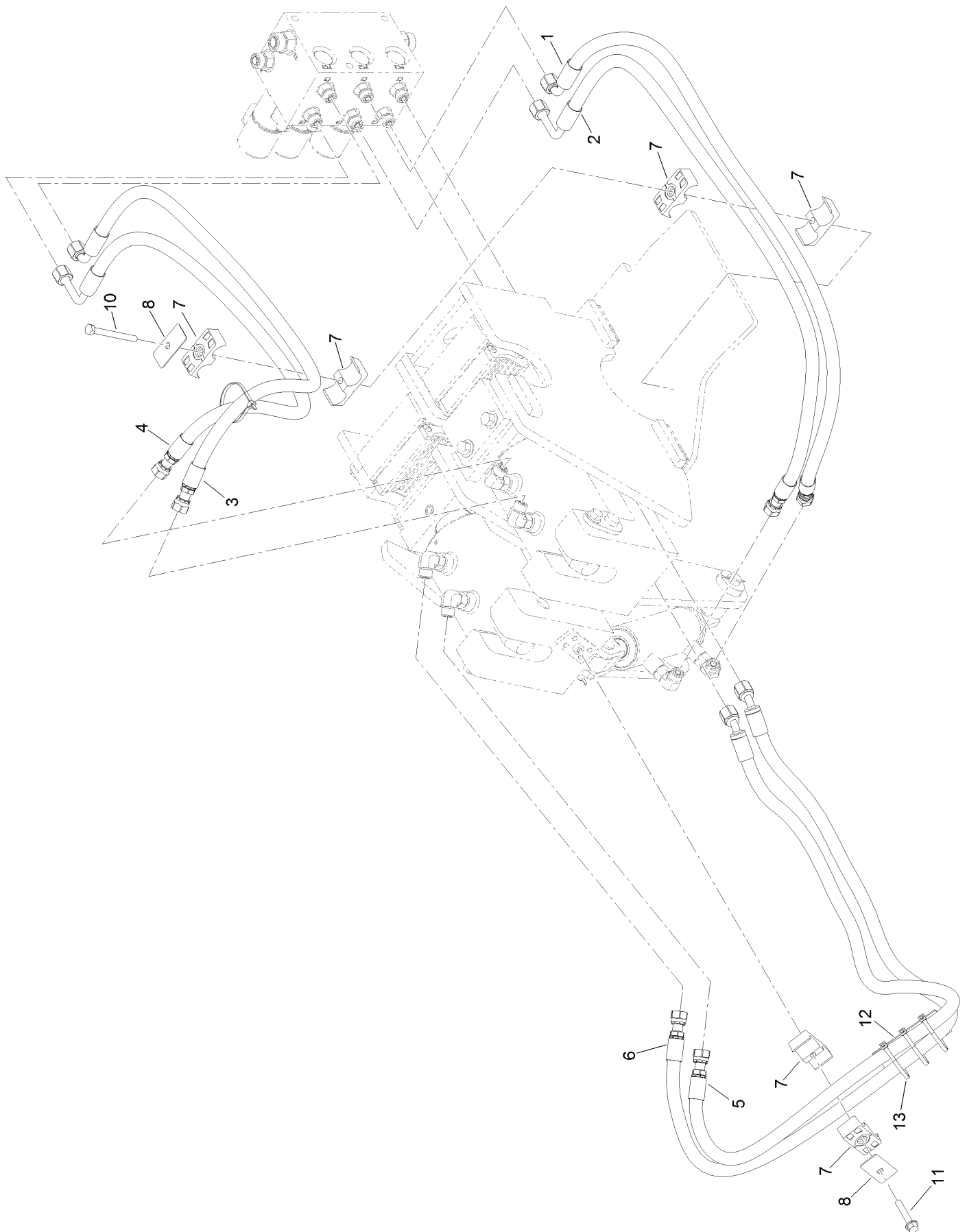
Traction Two Speed Hydraulic Hose Assembly



Traction Two Speed Hydraulic 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>
1	133-5981	1	Hose-HYD	8	138-4794-03	1	Bracket-Clamp, Stake Down
2	133-6050	1	Hose-HYD	9	136-8813	1	Clamp-Tube
3	137-5255	1	HYD Tube ASM	10	3230-33	2	Screw-CARR
3:1	237-22	1	O-Ring	11	104-7201	2	Nut-HF
5	137-5263	1	HYD Tube ASM	12	137-1775	1	Plate-Cover, Clamp
5:1	237-30	1	O-Ring	13	340-159	1	Fitting-HYD, 90 DEG
6	136-8927	1	Hose-HYD	13:1	237-22	2	O-Ring
7	136-8928	1	Hose-HYD				

Wrench Manifold Hydraulic Hose Assembly

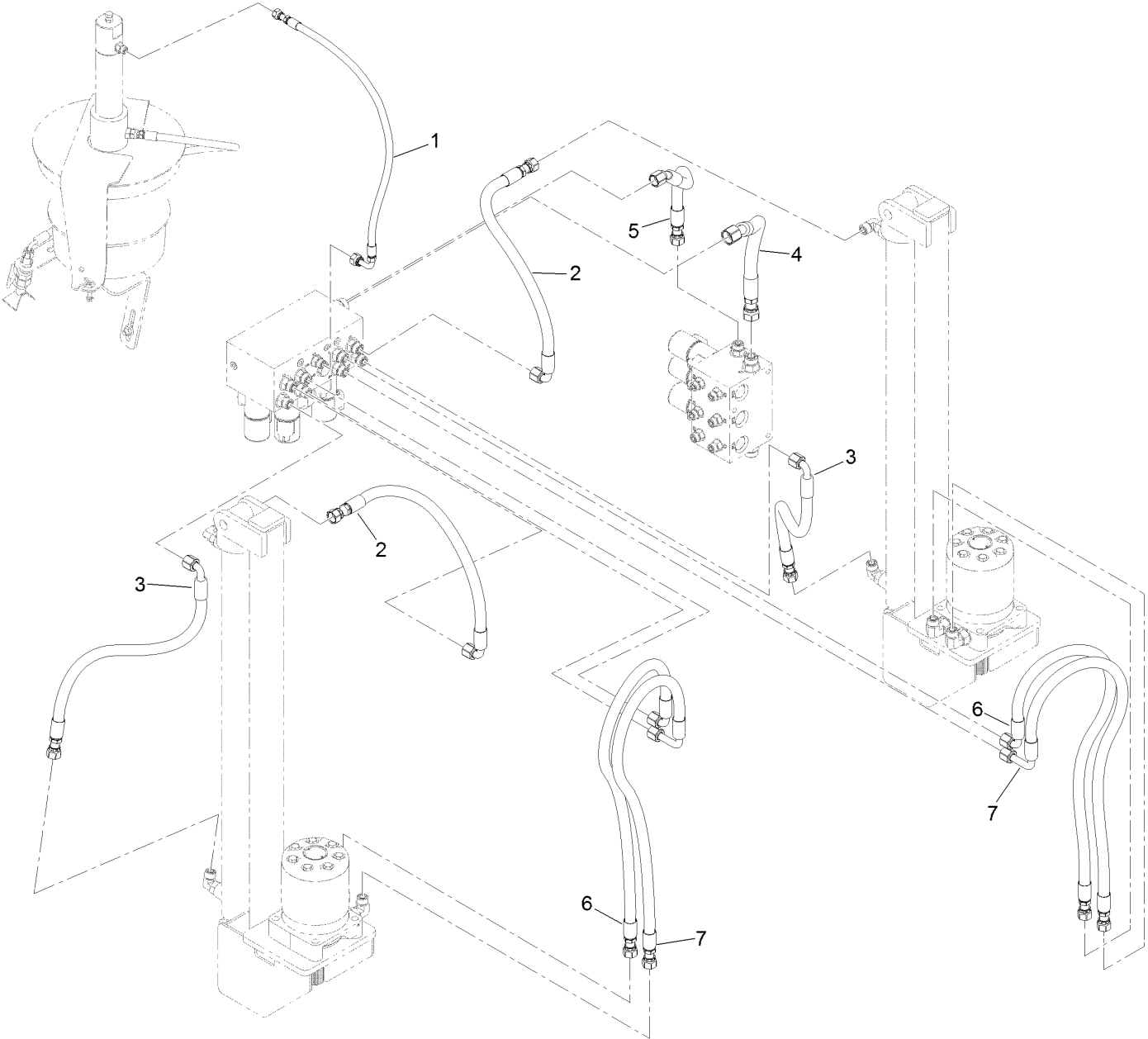


Wrench Manifold Hydraulic Hose Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-6004	1	Hose-HYD
2	133-6005	1	Hose-HYD
3	133-6006	1	Hose-HYD
4	133-6007	1	Hose-HYD
5	133-6008	1	Hose-HYD
6	133-6009	1	Hose-HYD

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	56-7974	6	Clamp-Tube
8	69-9761	2	Plate-Cover
10	322-20	1	Screw-HH
11	94-5780	1	Screw-HWH
12	AU112950	1	Protector-Hose
13	3290-379	3	Tie-Cable

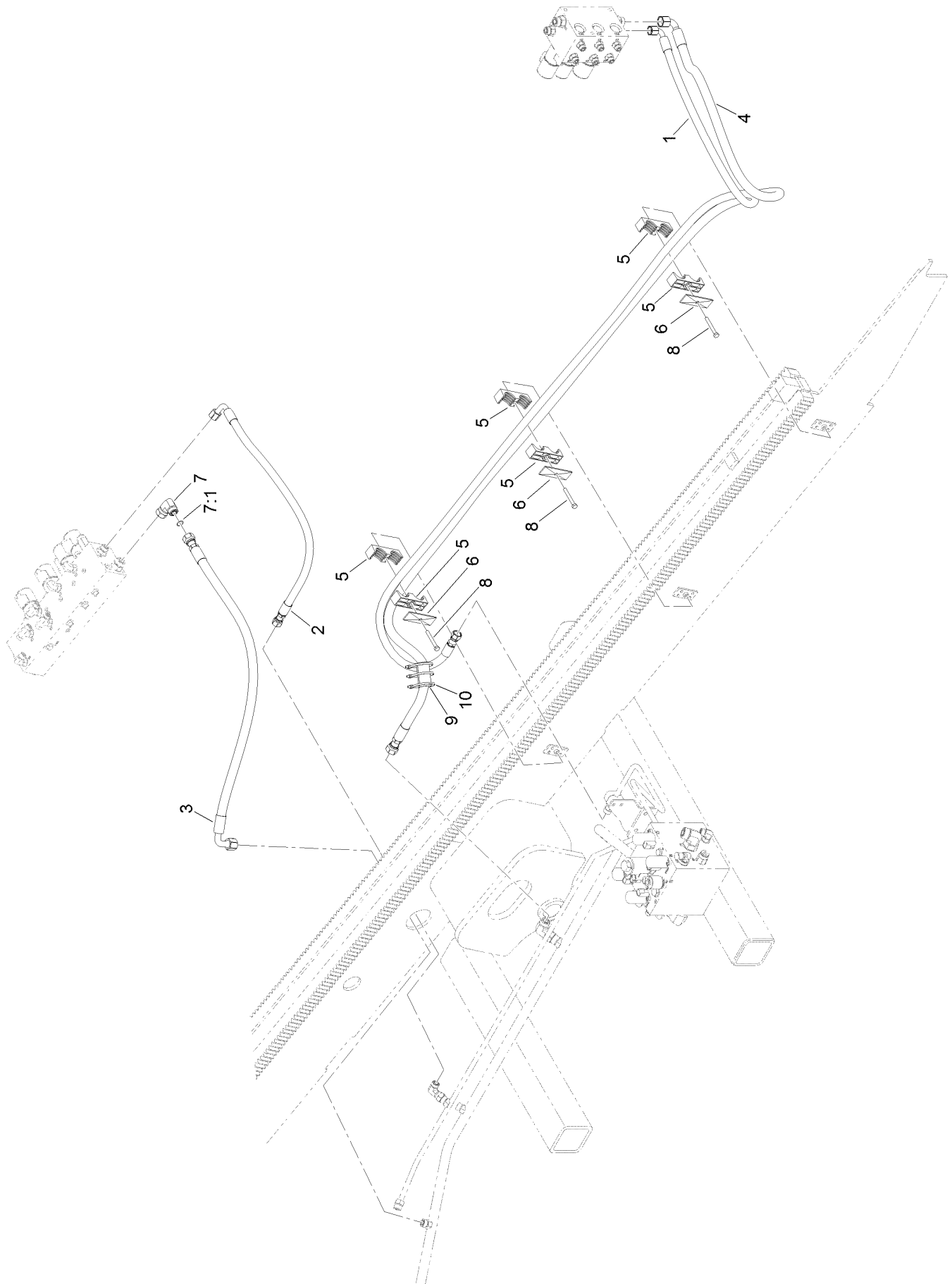
Stakedown Manifold Hydraulic Hose Assembly



Stakedown Manifold Hydraulic 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>
1	133-5989	1	Hose-HYD	5	133-6002	1	Hose-HYD
2	133-5990	2	Hose-HYD	6	133-5987	2	Hose-HYD
3	133-5991	2	Hose-HYD	7	133-5988	2	Hose-HYD
4	133-6003	1	Hose-HYD				

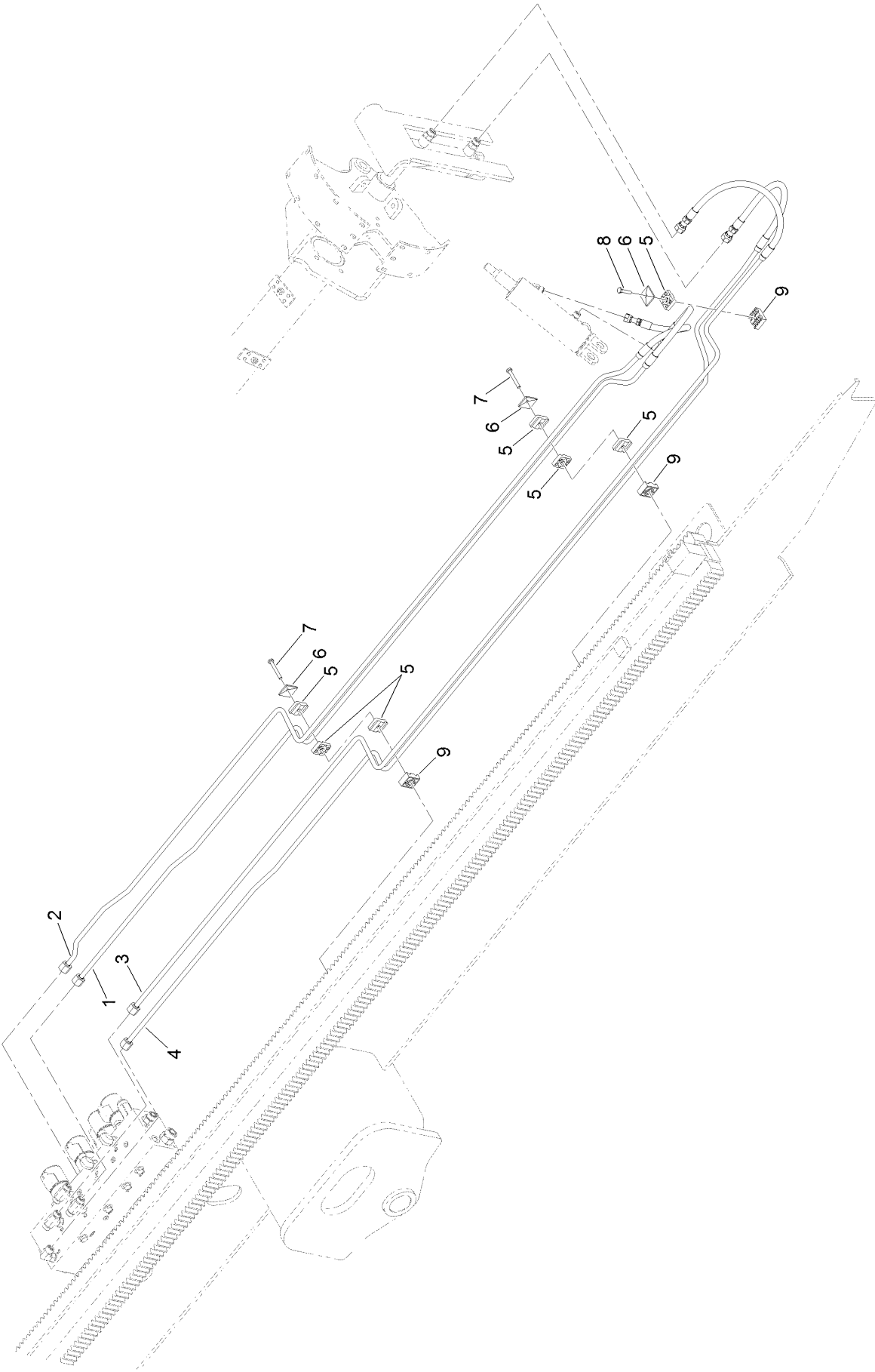
Traction Manifold and Loading Manifold Hydraulic Hose Assembly



Traction Manifold and Loading Manifold Hydraulic 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>
1	137-5266	1	Hose-HYD	7	340-160	1	Fitting-HYD-90
2	133-5999	1	Hose-HYD	7:1	237-65	1	O-Ring
3	137-5267	1	Hose-HYD	8	322-12	3	Screw-HH
4	133-6027	1	Hose ASM-HYD	9	AU112950	1	Protector-Hose
5	130-7451	3	Clamp-Twin	10	3290-379	3	Tie-Cable
6	127-8425	3	Plate-Reatainer, Clamp				

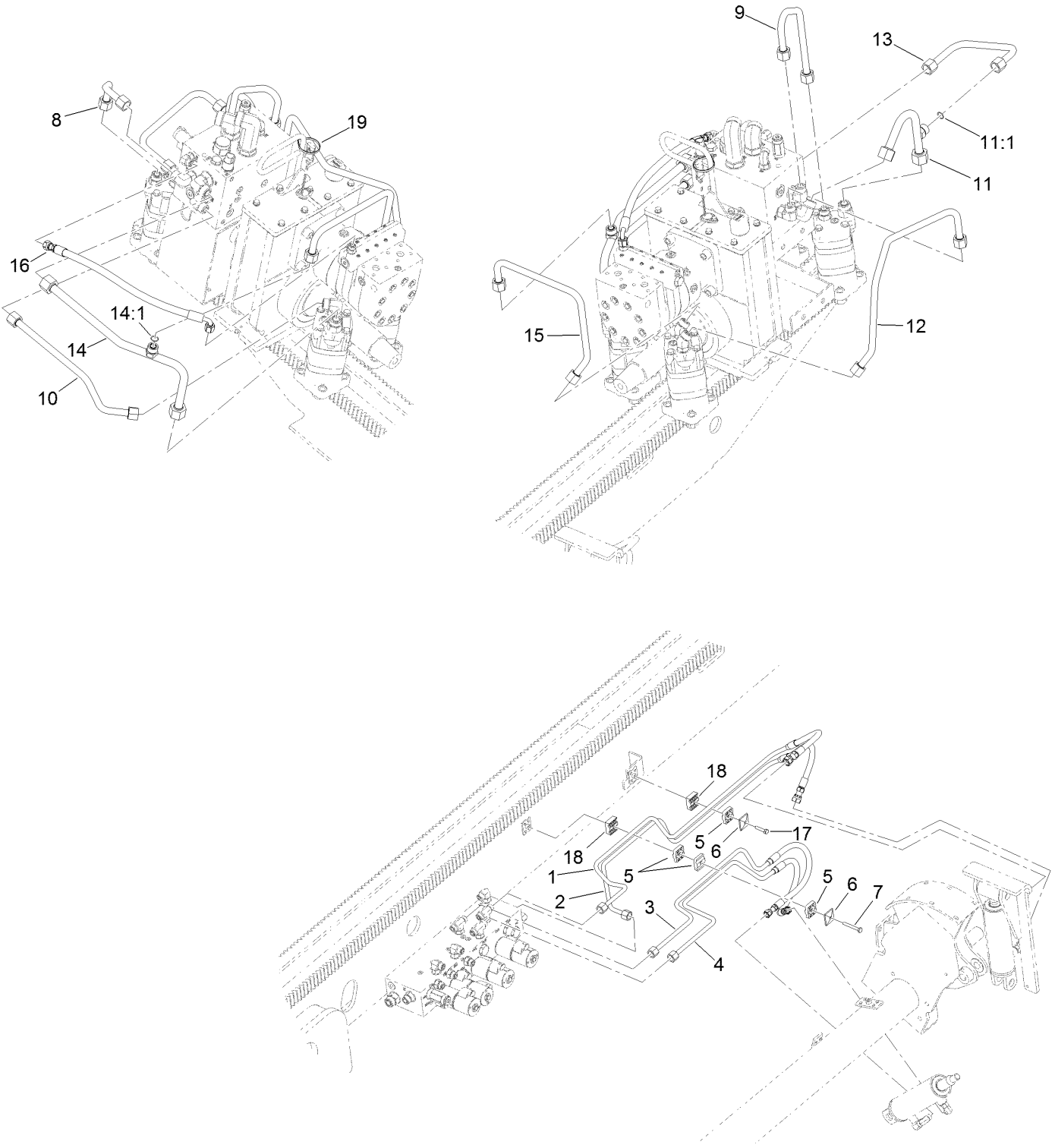
Front Cam Hydraulic Tube Assembly



Front Cam Hydraulic Tube 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	133-6073	1	HYD Tube-Hose ASM	6	127-8424	3	Plate-Clamp, Retainer
2	133-6074	1	HYD Tube-Hose ASM	7	321-11	2	Screw-HH
3	133-6075	1	HYD Tube-Hose ASM	8	321-8	1	Screw-HH
4	133-6076	1	HYD Tube-Hose ASM	9	137-5275	3	Clamp-Hose
5	56-7973	7	Clamp-Tube				

Carriage Rear Cam Hydraulic Tube Assembly

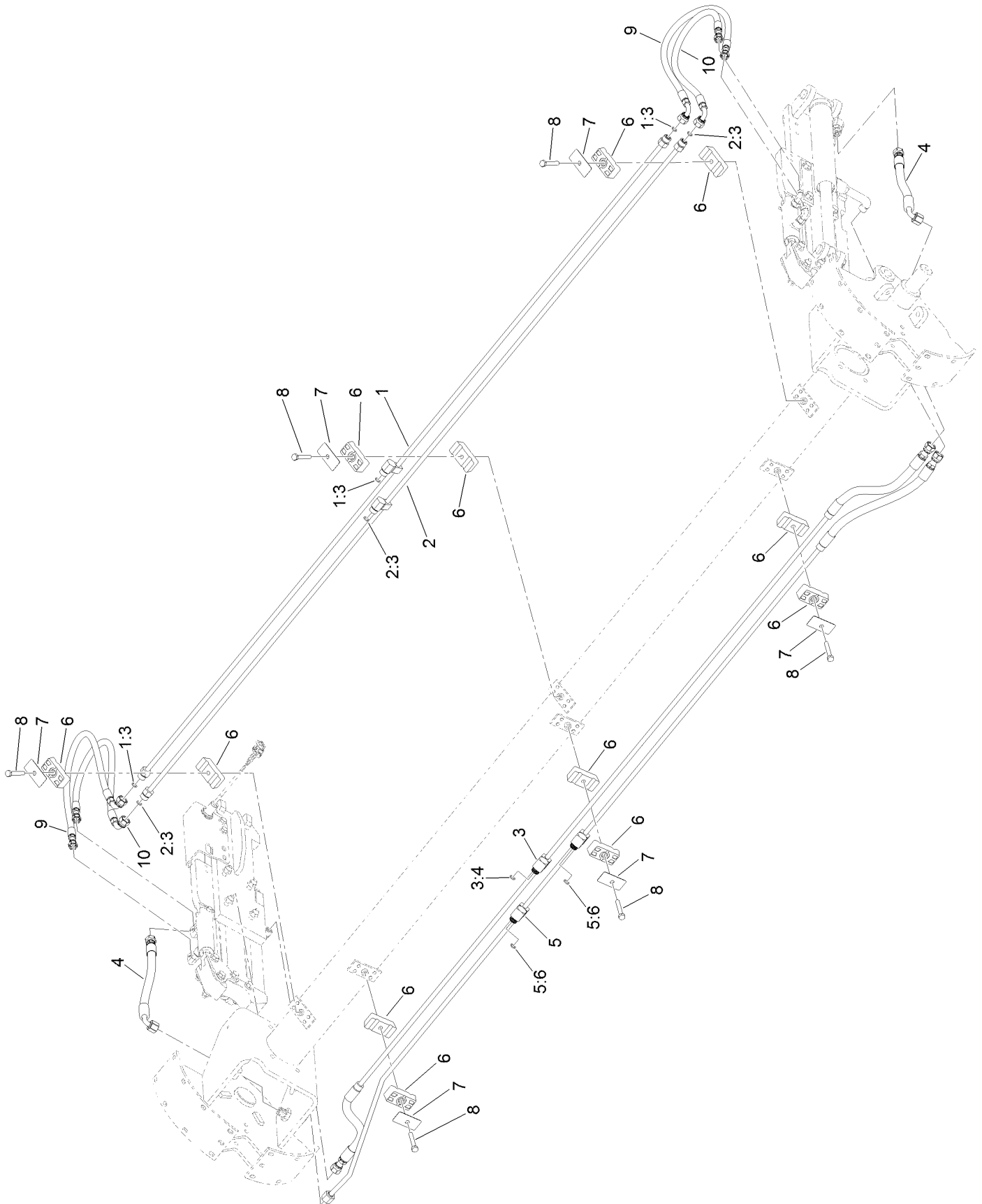


Carriage Rear Cam Hydraulic Tube Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	136-6939	1	HYD Tube-Hose ASM
2	136-6938	1	HYD Tube-Hose ASM
3	136-6941	1	HYD Tube-Hose ASM
4	136-6940	1	HYD Tube-Hose ASM
5	56-7973	4	Clamp-Tube
6	127-8424	2	Plate-Clamp, Retainer
7	321-11	1	Screw-HH
8	136-8874	1	Hydraulic Tube ASM
9	136-8875	1	Hydraulic Tube ASM
10	136-8876	1	Hydraulic Tube ASM
11	136-8877	1	Hydraulic Tube ASM

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
11:1	237-65	1	O-Ring
12	136-8878	1	Hydraulic Tube ASM
13	136-8879	1	Hydraulic Tube ASM
14	136-8880	1	Tube ASM-HYD
14:1	237-65	1	O-Ring
15	136-8881	1	Hydraulic Tube ASM
16	136-8873	1	Hose ASM-HYD
17	321-8	1	Screw-HH
18	137-5275	2	Clamp-Hose
19	3290-379	1	Tie-Cable

Arm Extension and Grippers Hydraulic Hose and Tube Assembly

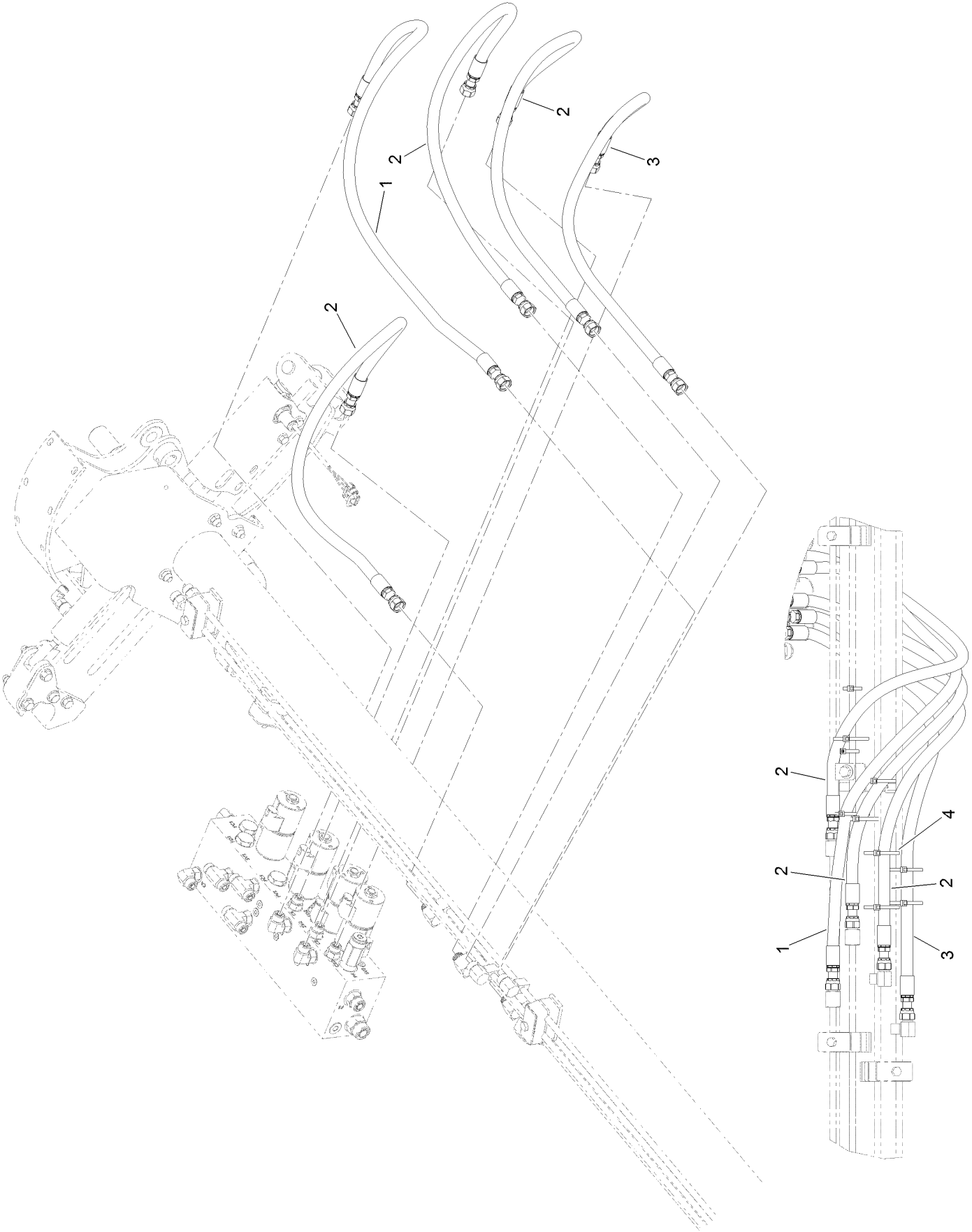


Arm Extension and Grippers

Hydraulic Hose and Tube 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	137-4497	1	Tube ASM-HYD	5	133-6047	1	HYD Tube - Hose ASM
1:3	237-22	3	O-Ring	5:6	237-22	2	O-Ring
2	137-4496	1	Tube ASM-HYD	6	120-3200	12	Clamp-Tube
2:3	237-22	3	O-Ring	7	69-9761	6	Plate-Cover
3	133-6072	1	HYD Tube-Hose ASM	8	322-10	6	Screw-HH
3:4	237-22	1	O-Ring	9	137-4498	2	Hose ASM-HYD
4	133-6052	2	Hose ASM-HYD	10	137-4499	2	Hose ASM-HYD

Loading Manifold Hydraulic Hose Assembly

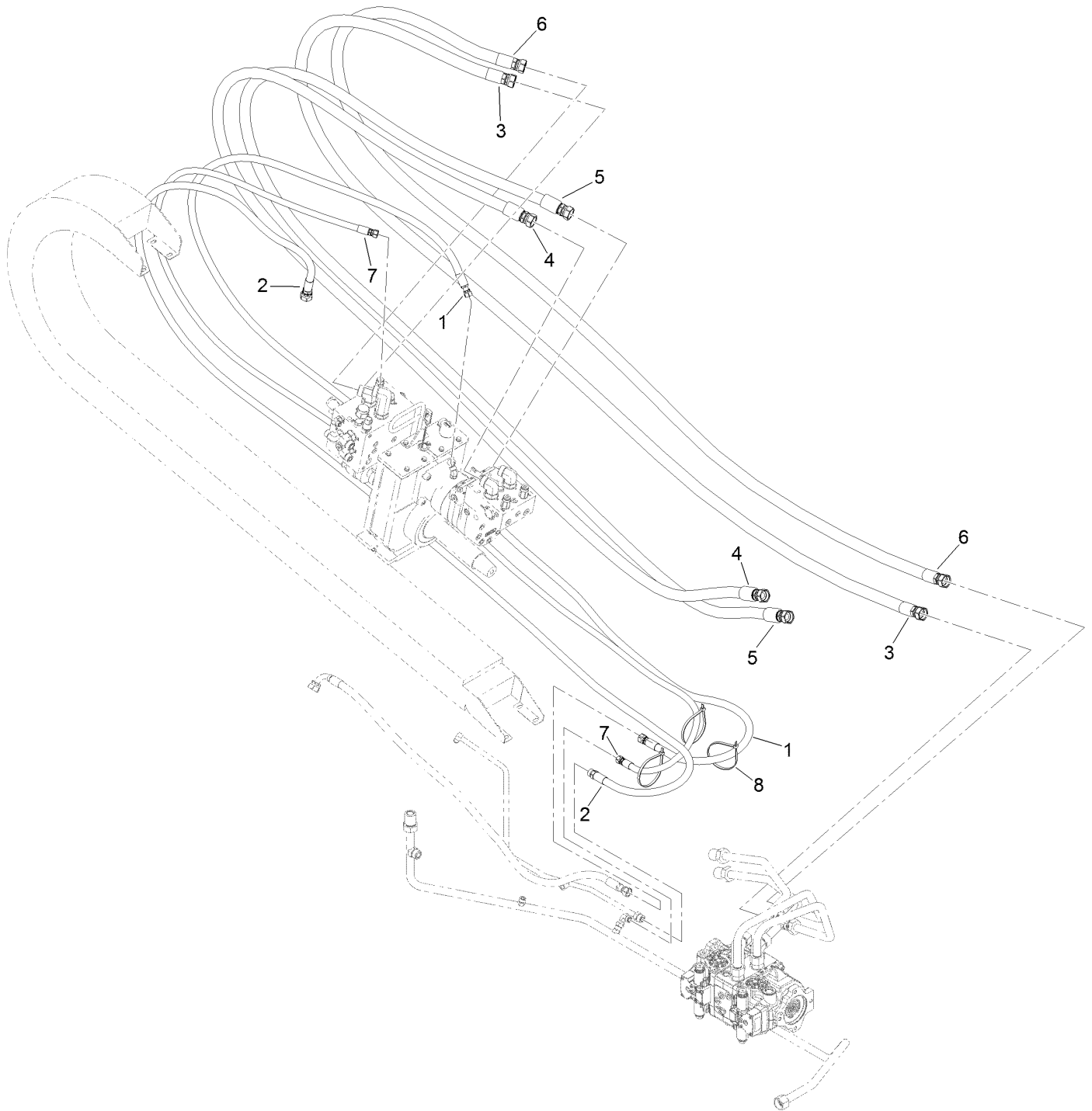


Loading Manifold Hydraulic Hose Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-6044	1	Hose-HYD
2	133-6045	3	Hose-HYD

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	133-6046	1	Hose-HYD
4	3334-945	10	Tie-Cable

Hose Carrier Hydraulic Hose Assembly

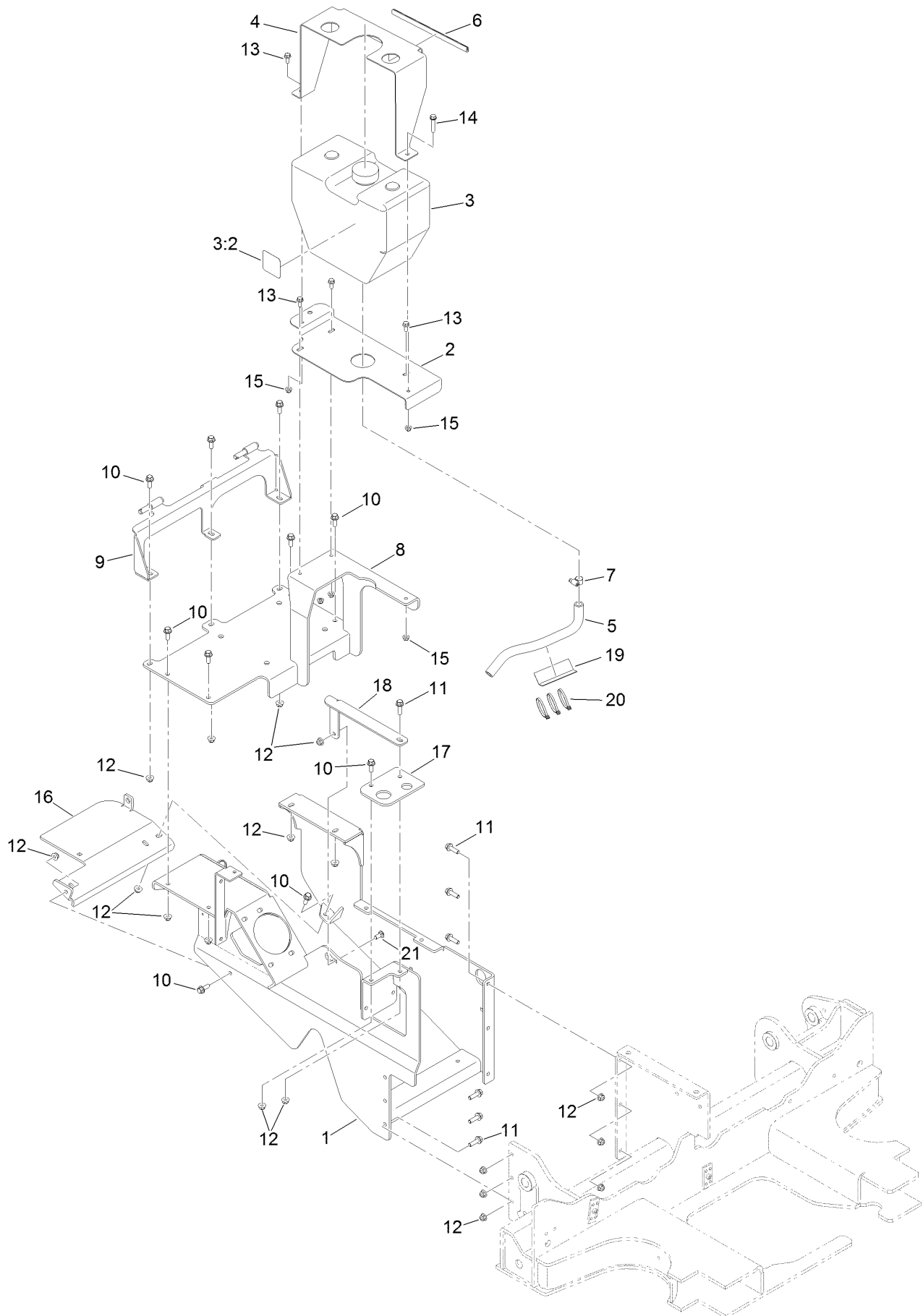


Hose Carrier Hydraulic Hose Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	133-6035	1	Hose-HYD
2	133-6037	1	Hose-HYD
3	136-8872	1	Hose-HYD
4	137-1709	1	Hose-HYD

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	137-1708	1	Hose-HYD
6	136-8871	1	Hose-HYD
7	136-8870	1	Hose-HYD
8	3334-945	3	Tie-Cable

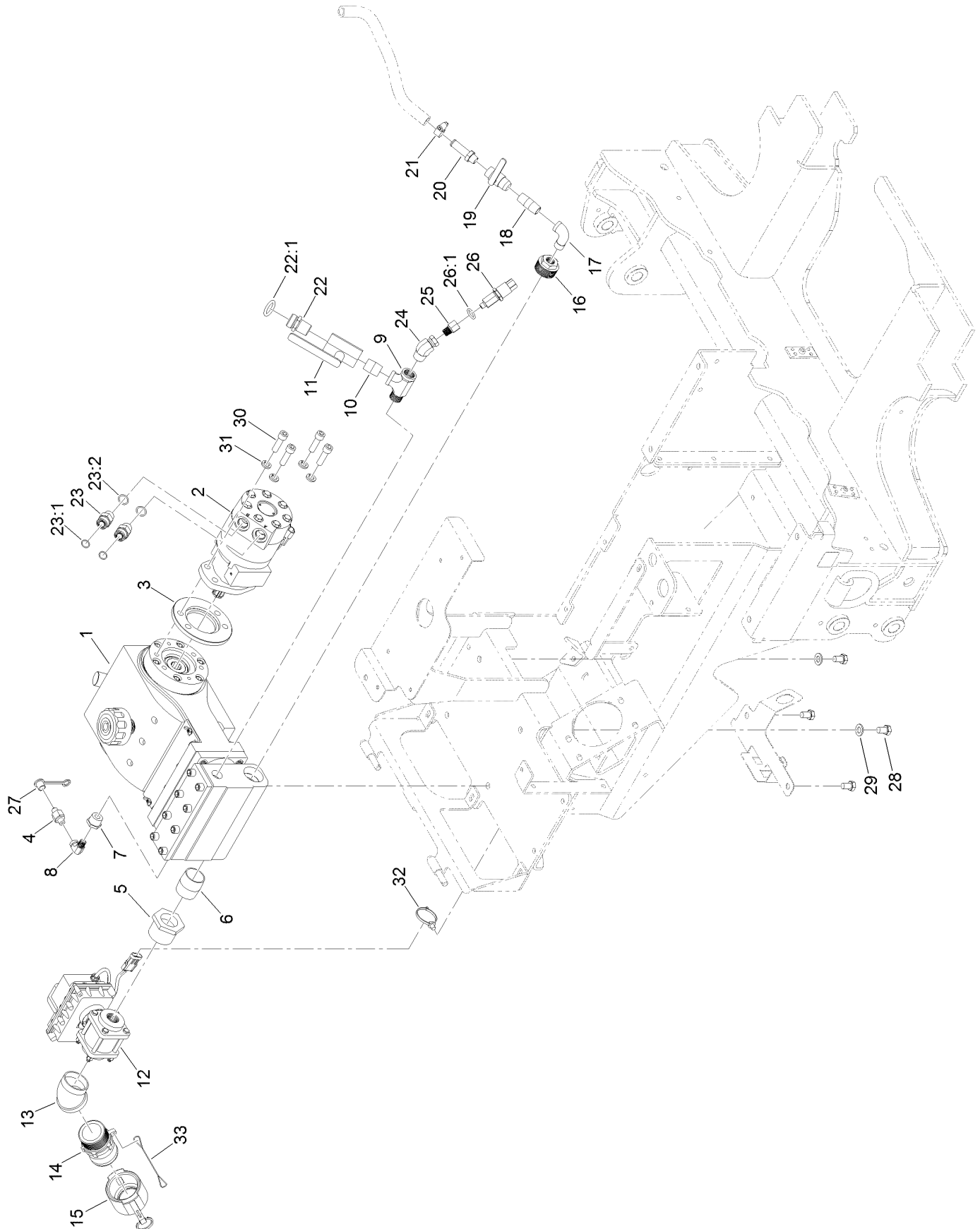
Mud Pump Support Assembly



Mud Pump Support 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	137-8360-03	1	Support-Hydraulic	12	104-8301	18	Nut-HF, NI
2	138-1349-03	1	Mount-Tank, Anti-Freeze	13	116-7230	4	Screw-HHF
3	127-0905	1	Tank Coolant ASM	14	94-5780	1	Screw-HWH
3:2	137-7165	1	Decal-Antifreeze, CE	15	104-8300	5	Nut-HF, NI
4	AU113714-03	1	Bracket-Bottle, Anti-Freeze	16	137-7101-03	1	Bracket-Mounting, HYD Tank
5	133-6055	1	Hose-Antifreeze	17	137-1839-03	1	Plate-Bulkhead
6	127-5316	1	Trim-Tank	18	137-8368-03	1	Strap-Support, Bulkhead
7	2412-119	1	Clamp-Hose, Worm Drive	19	AU112950	1	Protector-Hose
8	137-1832-03	1	Support-Pump, Mud	20	3290-379	3	Tie-Cable
9	137-1836-03	1	Hinge-Hood, Rear	21	3231-12	1	Bolt-CARR
10	3234-42	10	Screw-HHF				
11	119-4061	7	Screw-HHF				

Mud Pump Assembly



Mud Pump Assembly (continued)

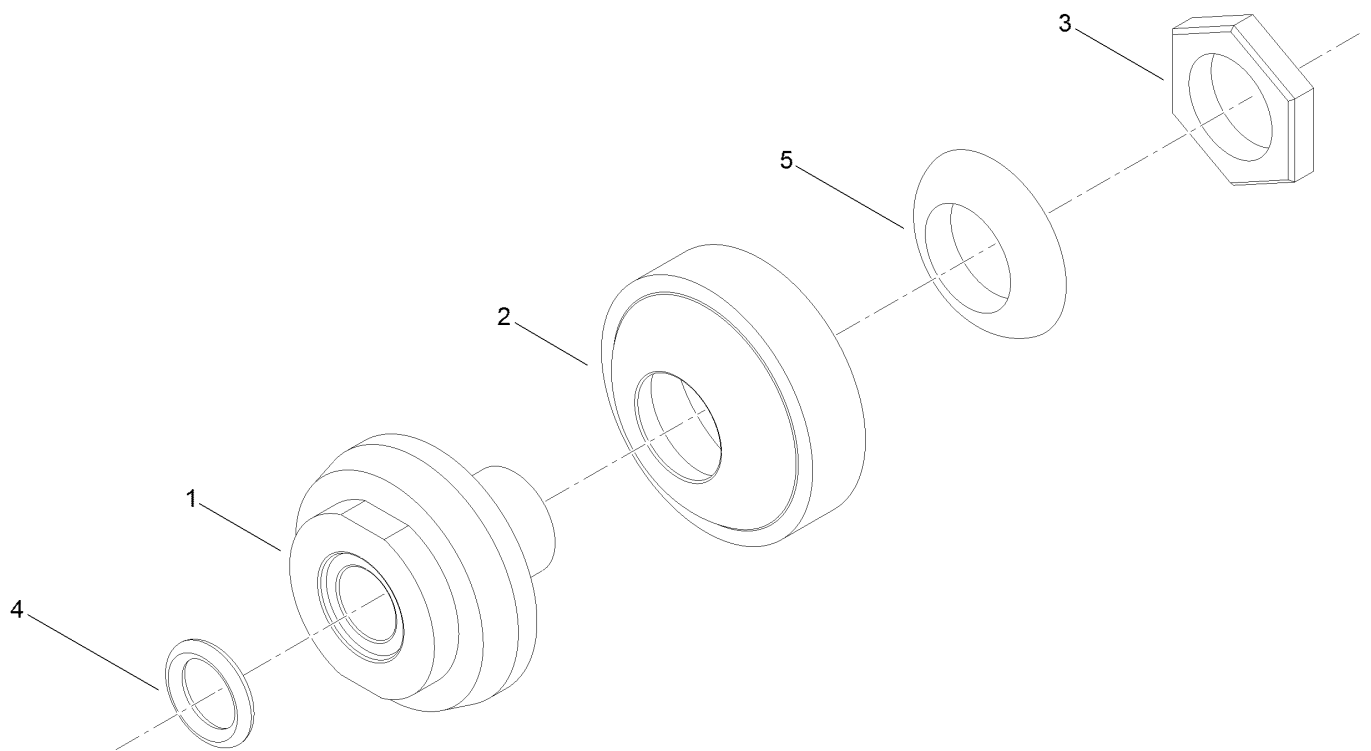
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	136-1615	1	Mud Pump ASM	19	AU8HV21008	1	Valve-Ball
2	132-5745	1	Motor-Hydraulic	20	AU113726	1	Adapter
3	136-1556	1	Spacer	21	2412-119	1	Clamp-Hose, Worm Drive
4	AU8QD55204	1	Nipple-Connect, Quick	22	AU8OA11212	1	Fitting-Straight
5	AU65-CI-1988	1	Nipple-Pipe	22:1	237-58	1	O-Ring
6	AU65-CI-1747	1	Bushing-Reducer	23	340-7	2	Fitting-Straight
7	AU221-91	1	Bushing-Reducer	23:1	237-65	1	O-Ring
8	AU8PE48004	1	Fitting-Elbow-90	23:2	237-80	1	O-Ring
9	AU0PT40003	1	Fitting-Tee	24	133-6059	1	Fitting-Elbow-45
10	AU221-1211	1	Nipple-Straight	25	AU8SA20606	1	Fitting-Straight
11	AU8HV23012	1	Valve-Ball	26	125-6578	1	Transducer (W/Isolator)
12	AU6HV29033	1	2 Inch Ball Valve ASM (Electric)	26:1	127-8713	1	O-Ring
13	AU8PE15032	1	Elbow-Pipe-45	27	130-4503	1	Cap-Dust
14	AU110378	1	Adapter-Male	28	AU426-812	4	Bolt-HH
15	AU110379	1	Cap-Connect, Quick	29	106-9888	2	Washer-Flat
16	AU8PB12408	1	Bushing-Pipe, Reducer	30	AU864-12040	4	Screw-HSH
17	2811-9	1	Fitting-Elbow-90	31	3253-7	4	Washer-Lock
18	AU221-1190	1	Nipple-Pipe	32	32180-030	1	Clip-Tie
				33	AU114334	1	Lanyard-Tether, Pin

This exploded view diagram illustrates the assembly of a mechanical device. The central component is a main housing (1) which features a large circular opening on its front face. To the left, a rectangular plate (21) is secured by a screw (4). Below this plate, a series of components are shown in a sub-assembly: a gasket (24), a spring (33.1), a washer (33.3), a nut (33.2), a washer (33.4), and another gasket (33.1). To the right of the main housing, a long cylindrical shaft (39) is shown, which passes through a series of components: a gasket (24), a spring (34.4), a washer (34.3), a nut (34.2), a washer (34.1), and another gasket (24). The shaft (39) terminates in a cylindrical component (31) which is secured by a nut (38). A flange (20) is also shown. Above the main housing, a rectangular plate (25) is shown, secured by a screw (37). To the right of the main housing, a large circular flange (5) is shown, which is secured by a nut (6) and a washer (3). A large cylindrical component (27) is shown, which is secured by a nut (6) and a washer (3). A large cylindrical component (23) is shown at the bottom right, which is secured by a nut (32) and a washer (20). A large cylindrical component (19) is shown at the top right, which is secured by a nut (16) and a washer (17). A large cylindrical component (12) is shown, which is secured by a nut (15) and a washer (14). A large cylindrical component (10) is shown, which is secured by a nut (11) and a washer (13). A large cylindrical component (7) is shown, which is secured by a nut (35) and a washer (10).

Mud Pump Assembly No. 136-1615 (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	137-1799	1	Case-Pump	22	132-5706	3	Washer-Plunger
3	131-0063	1	Seal-Oil, Crankshaft	23	131-0069	1	Ductile-End, Fluid
4	131-0066	8	Capscrew	24	132-5698	9	O Ring-Seat, Valve
5	132-4196	1	Shim-Adjusting, Main Bearing	25	131-0084	1	Cover-Chamber, Piston
5	132-5691	1	Shim-Bearing, Main (.015)	26	131-0077	1	Plug-Drain, Oil
5	132-5692	1	Shim-Bearing, Main (.010)	27	132-4195	1	Crankshaft-Drive, Splined
6	132-4197	2	Bearing-Main	29	AU112490	3	Gold Piston Kit
7	131-0078	1	Cover-Pan	31	AU112487	3	Liner-Piston, Ceramic
8	131-0064	1	Gasket-Cover, Pan	32	131-0070	3	Gasket-Liner
9	137-1798	1	Cap-Breather, Oil Filler	33	AU112483	3	Discharge Valve ASM
10	132-4199	1	Vent-Case, Pump	33:1	AU112481	2	O Ring-Seat, Valve
11	131-0079	1	Dipstick-Filler, Oil	33:2	AU112480	1	Valve-Body
12	131-0072	3	Crosshead	33:3	AU112479	1	Spring-Valve
13	131-0073	3	Pin-Wrist	33:4	AU112482	1	Seat-Valve, Discharge
14	131-0074	3	Bushing-Pin, Wrist	34	AU112485	3	Suction Valve ASM
15	132-4198	6	Screw-Set, Wrist Pin	34:1	AU112481	1	O Ring-Seat, Valve
16	131-0081	6	Capscrew-Rod, Connecting	34:2	AU112484	1	Seat-Valve, Suction
17	131-0082	6	Washer-Capscrew, Connecting Rod	34:3	AU112480	1	Valve-Body
18	131-0076	3	Rod-Connecting	34:4	AU112479	1	Spring-Valve
19	131-0062	6	Bearing-Insert, Connecting Rod	35	132-5669	8	Capscrew-Cover, Pan
20	131-0065	3	Seal-Oil, Crosshead	36	132-5699	20	Capscrew-Fluid, End
21	131-0067	1	Coverplate-Plug	37	132-5689	2	Nut-Wing, Inspection Cover
				38	136-1631	3	Nut-Lock, Piston Rod
				39	AU112489	3	Rod-Extension, Piston

Gold Chrome Piston Assembly No. AU112490

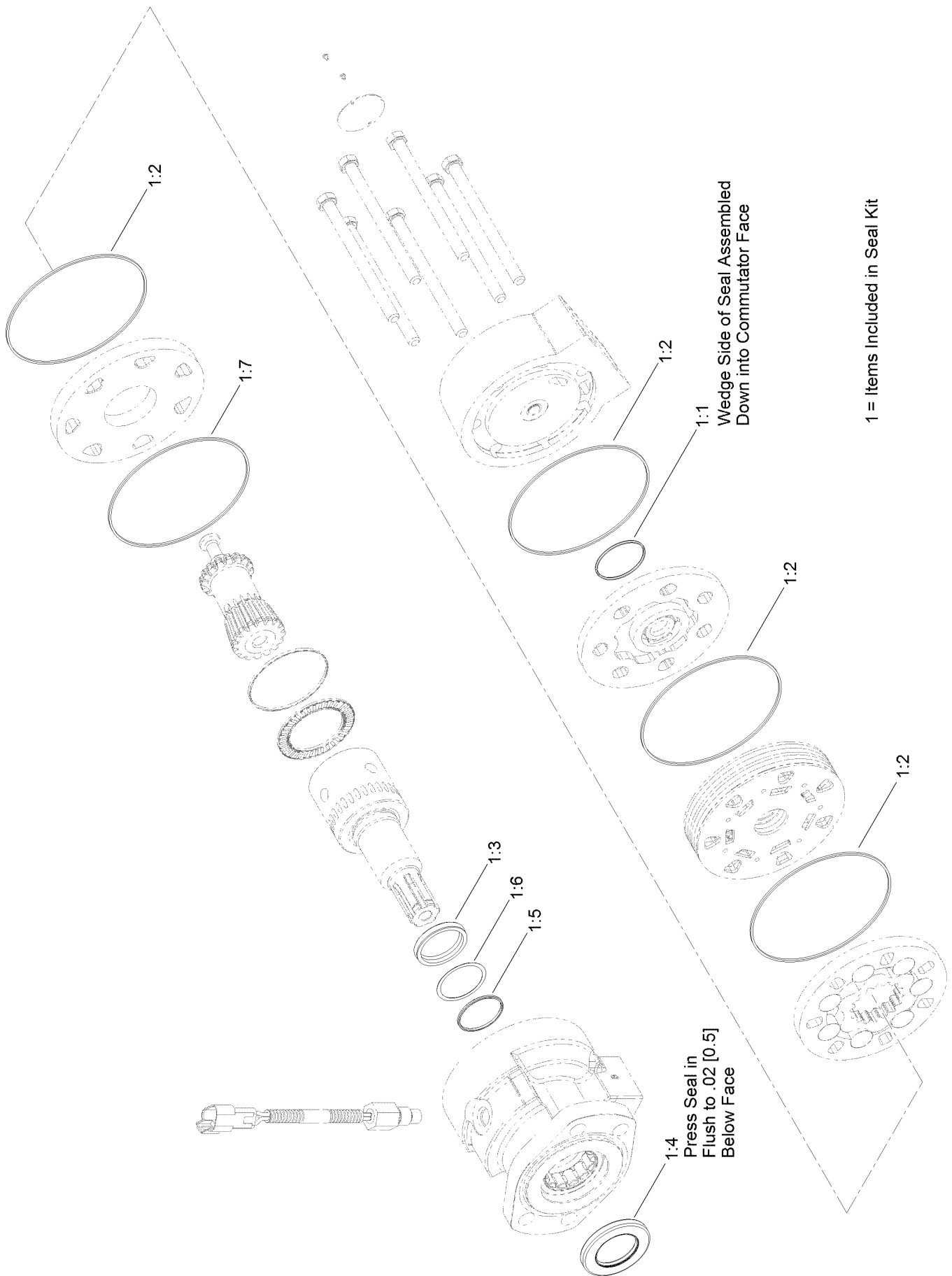


Gold Chrome Piston Assembly No. AU112490 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	132-5707	1	Body-Piston
2	AU112497	1	Cup-Piston, Gold
3	132-5708	1	Nut-Jam, Hex

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	132-5697	1	O Ring-Body, Piston
5	132-5704	1	Retainer-Cup, Piston

Hydraulic Motor Assembly No. 132-5745



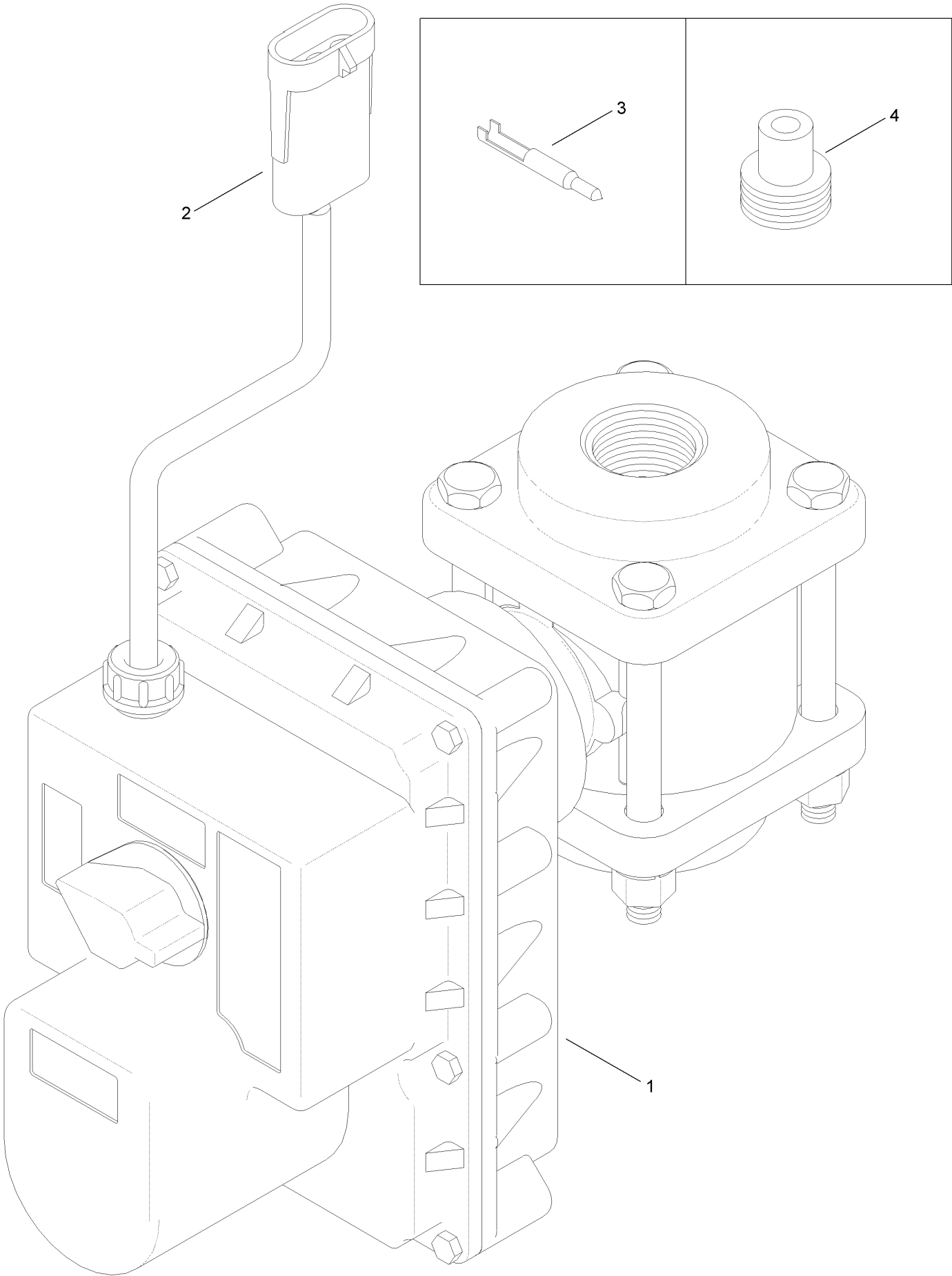
Hydraulic Motor Assembly No. 132-5745 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-1824	1	Seal Kit
1:1		1	Seal-Commutator ●
1:2		5	Seal-Section ●
1:3		1	Seal-Shaft ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:4		1	Seal-Dirt And Water ●
1:5		1	Ring-Back Up ●
1:6		1	Washer-Back Up ●
1:7		1	Seal-Housing ●

● Not serviced separately

2 Inch Ball Valve Assembly No. AU6HV29033

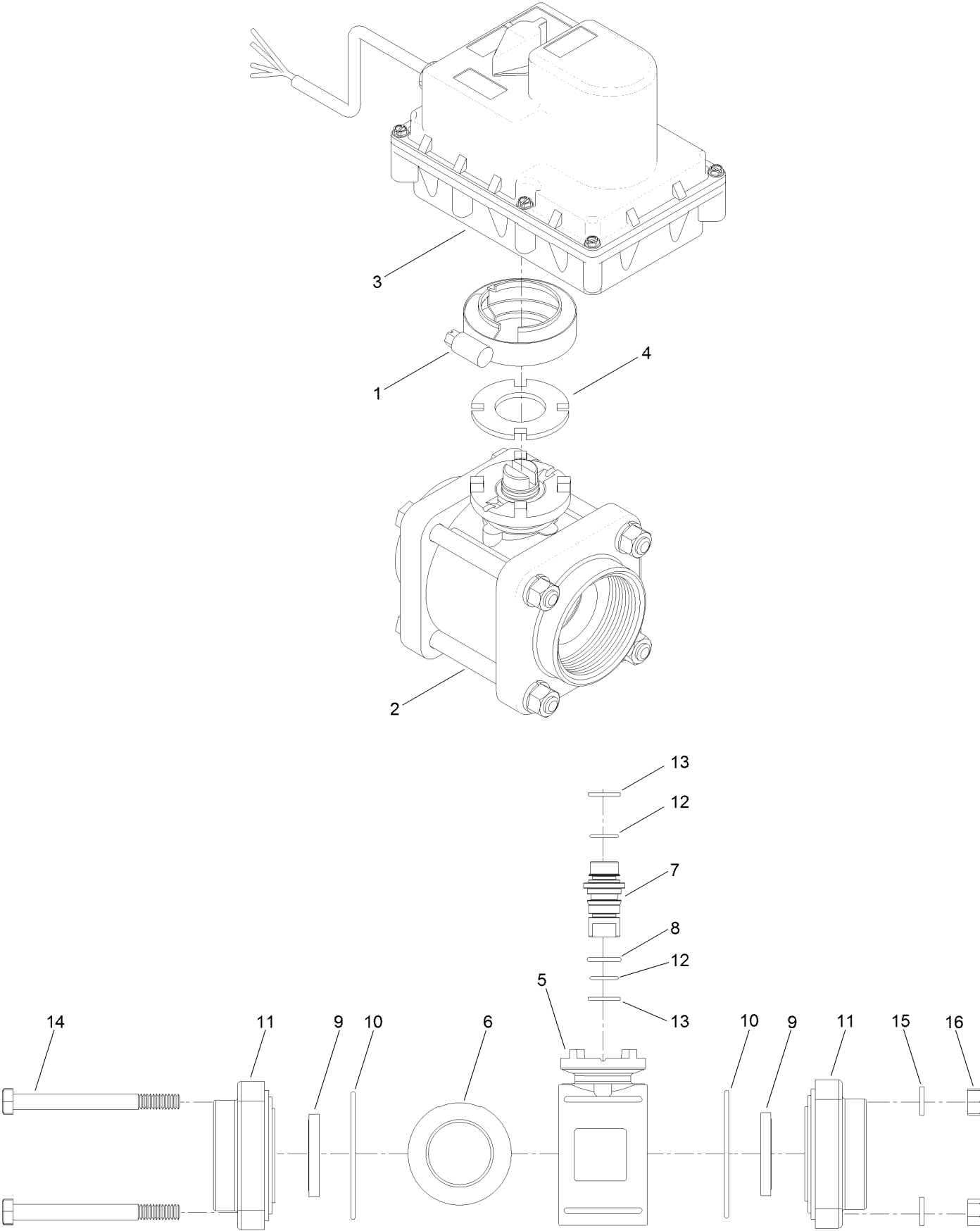


2 Inch Ball Valve Assembly No. AU6HV29033 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	AU8HV29033	1	Water Shutoff Valve ASM
2	AU8EC92203	1	Connector-Male, 3-Way (Body Only)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	AU8EC92302	3	Terminal-Male
4	AU8EC92502	3	Seal

Water Shutoff Valve Assembly No. AU8HV29033

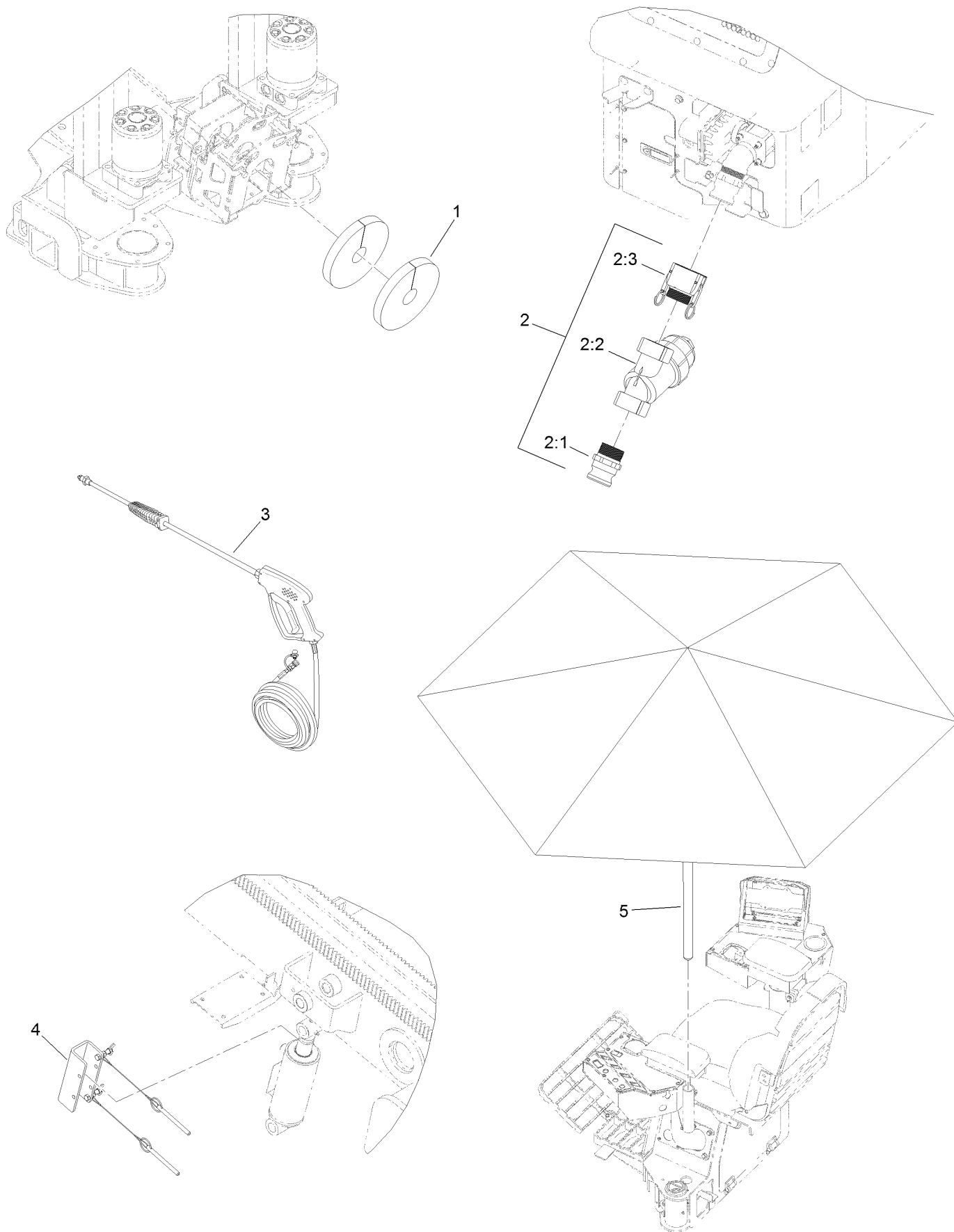


Water Shutoff Valve Assembly No. AU8HV29033 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	AU114153	1	Clamp-Flange
2	AU114154	1	Valve
3	AU114155	1	Motor
4	AU114156	1	Filter
5	AU114157	1	Body-Valve
6	AU114158	1	Ball-Hollow
7	AU114159	1	Stem-Valve
8	AU114160	1	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
9	AU114161	2	Seat-Valve
10	AU114162	2	O-Ring
11	AU114163	2	Plate-End
12	AU114164	2	O-Ring
13	AU114165	2	Seal-Valve
14	98-5961	4	Screw-HH
15	3253-21	4	Washer-Lock
16	146211	4	Nut

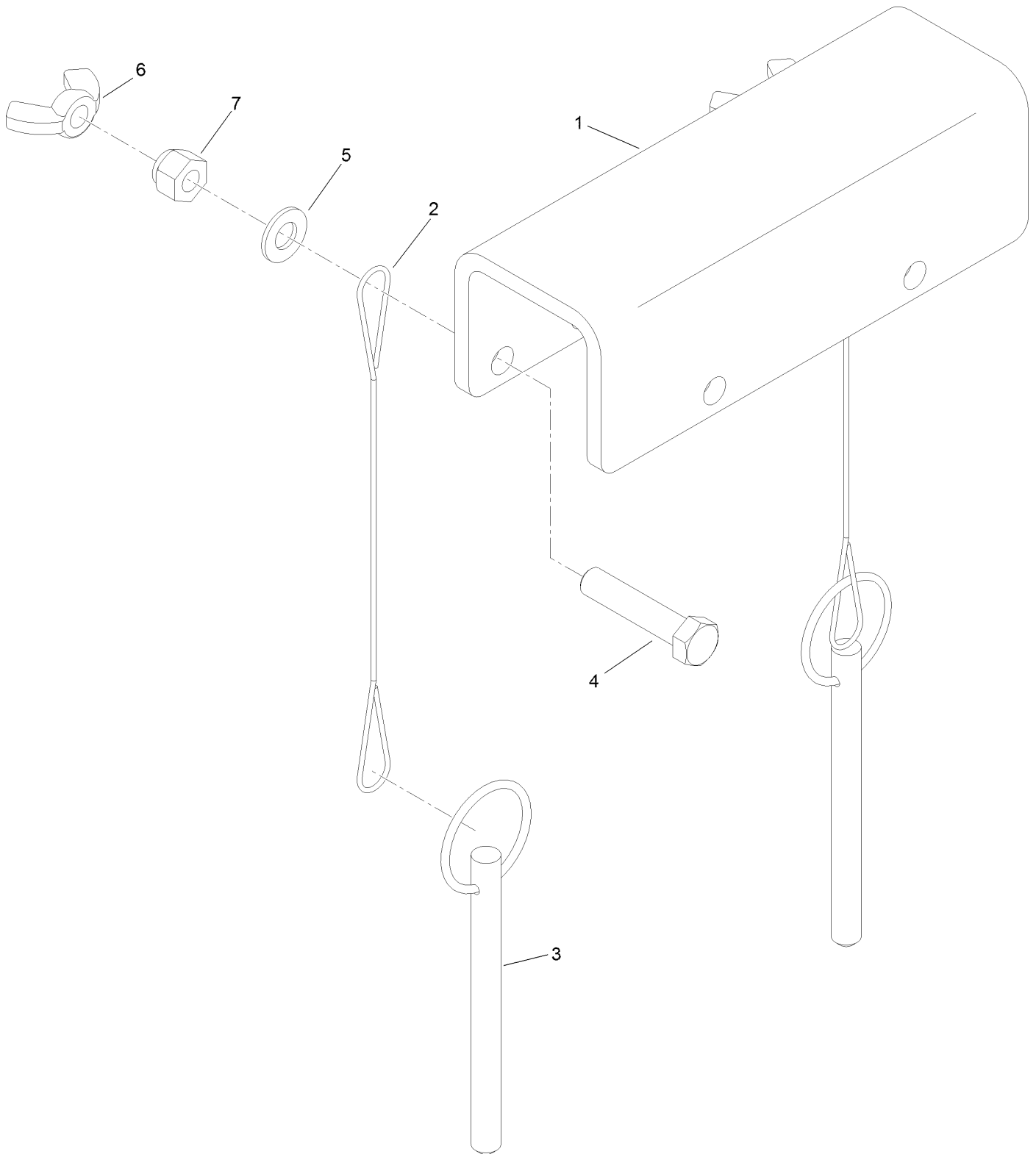
Wash Wand, Cylinder Lockout, Strainer and Split Wiper Assembly



Wash Wand, Cylinder Lockout, Strainer and Split Wiper 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	AU01DT0018	2	Wiper-Pipe	2:3	AU8CH21332	1	Fitting-Camlok
2	AU32GB1215	1	Strainer Kit	3	127-0991	1	Wash Down Wand ASM
2:1	AU110378	1	Adapter-Male	4	137-7159	1	Cylinder Lockout ASM
2:2	AU8FL10017	1	Strainer-Y	5	127-5273	1	Umbrella-Toro

Cylinder Lockout Assembly No. 137-7159

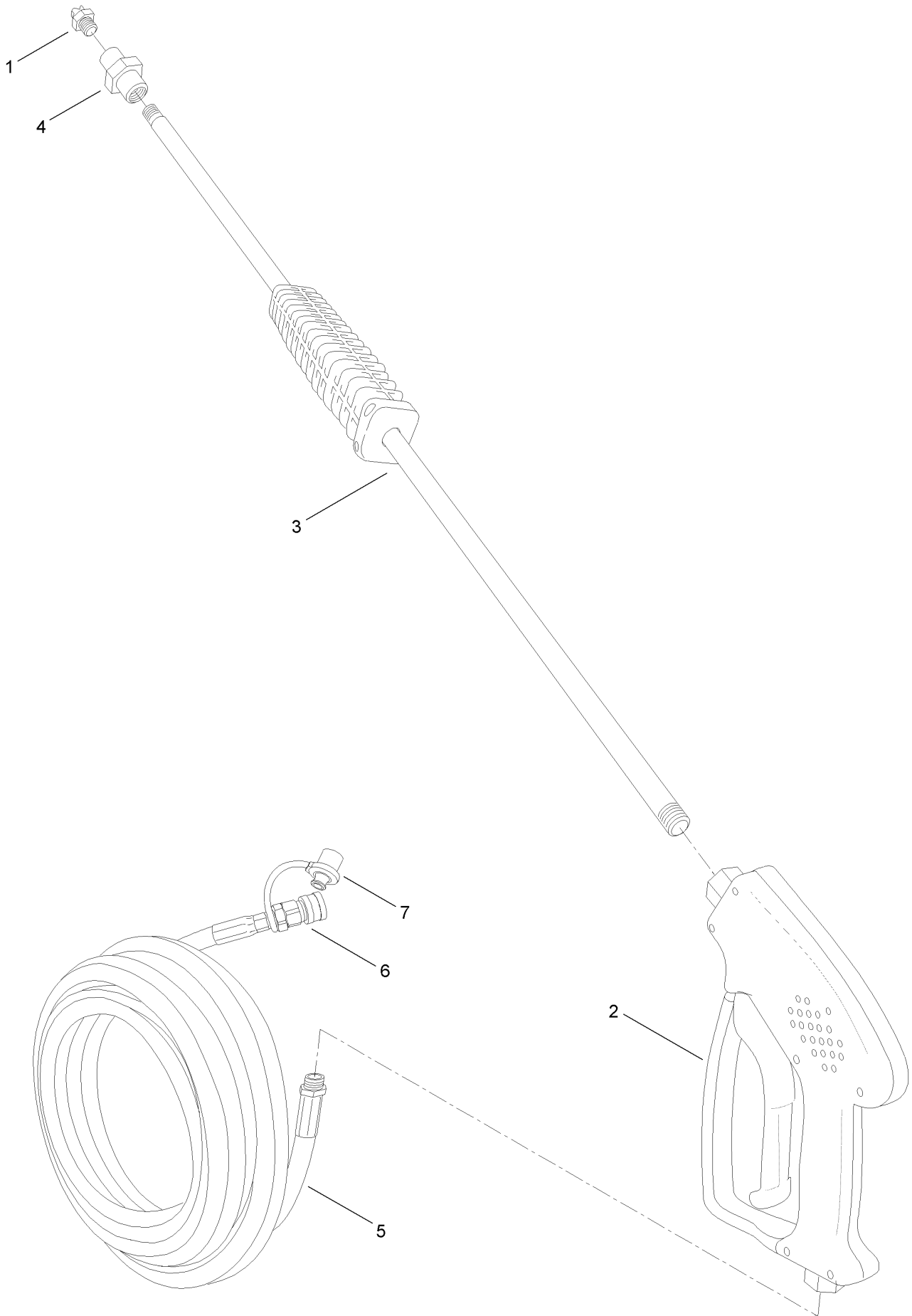


Cylinder Lockout Assembly No. 137-7159 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-8354-01	1	Lockout-Cylinder, Tilt
2	AU114334	2	Lanyard-Tether, Pin
3	AU109760	2	Pin-Retaining
4	323-53	2	Screw-HH

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	3256-45	2	Washer-Flat
6	1-543678	2	Nut-Wing
7	3296-39	2	Nut-Lock, NI

Wash Down Wand Assembly No. 127-0991

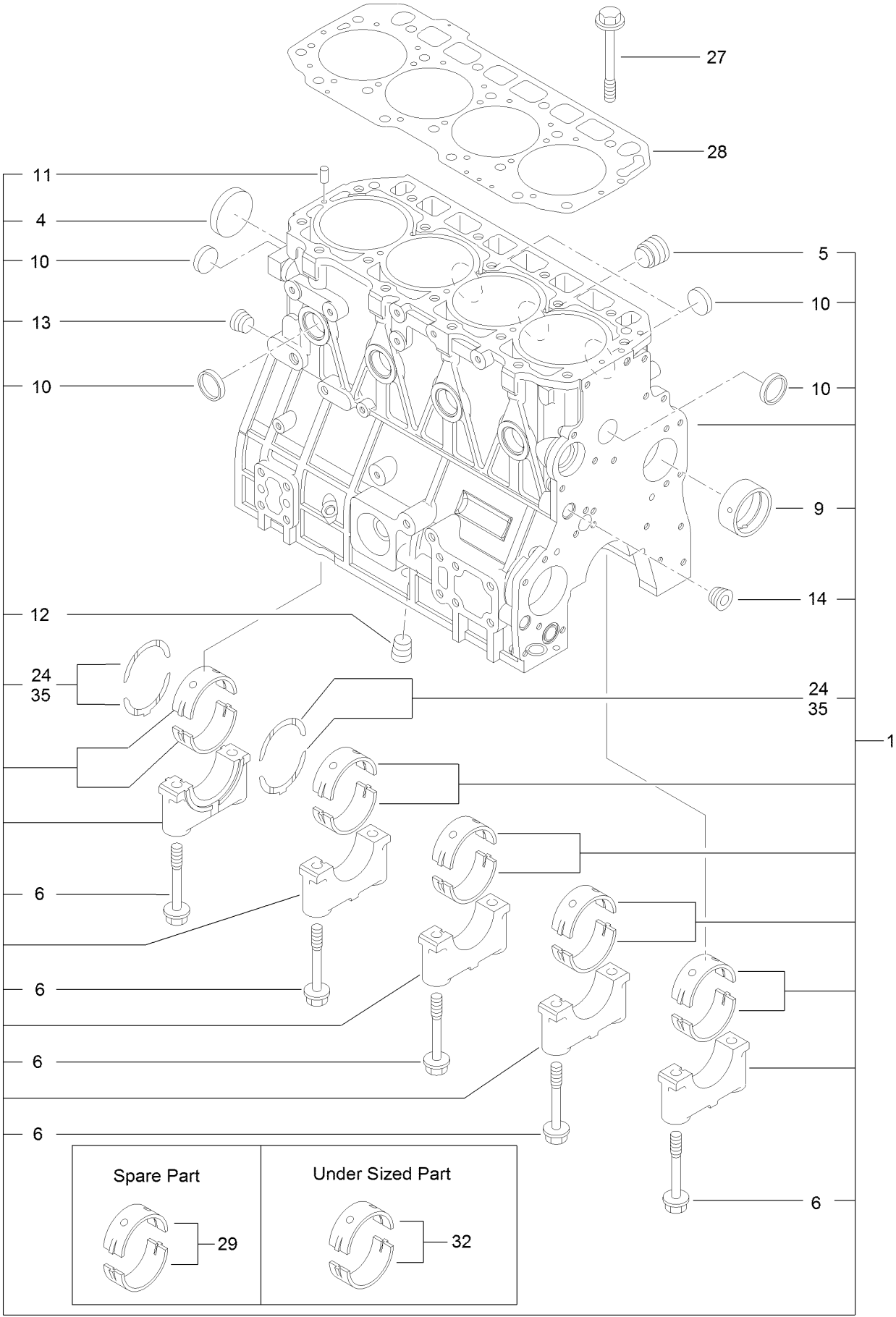


Wash Down Wand Assembly No. 127-0991 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	AU20MC8512	1	Nozzle-Spray
2	AU40MP8018	1	Gun-Spray
3	AU40MP8019	1	Lance
4	AU8PC40004	1	Coupling-Pipe

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	AU126046	1	Hose-HYD
6	AU8QD52204	1	Coupler-Connect, Quick
7	130-4504	1	Plug-Dust

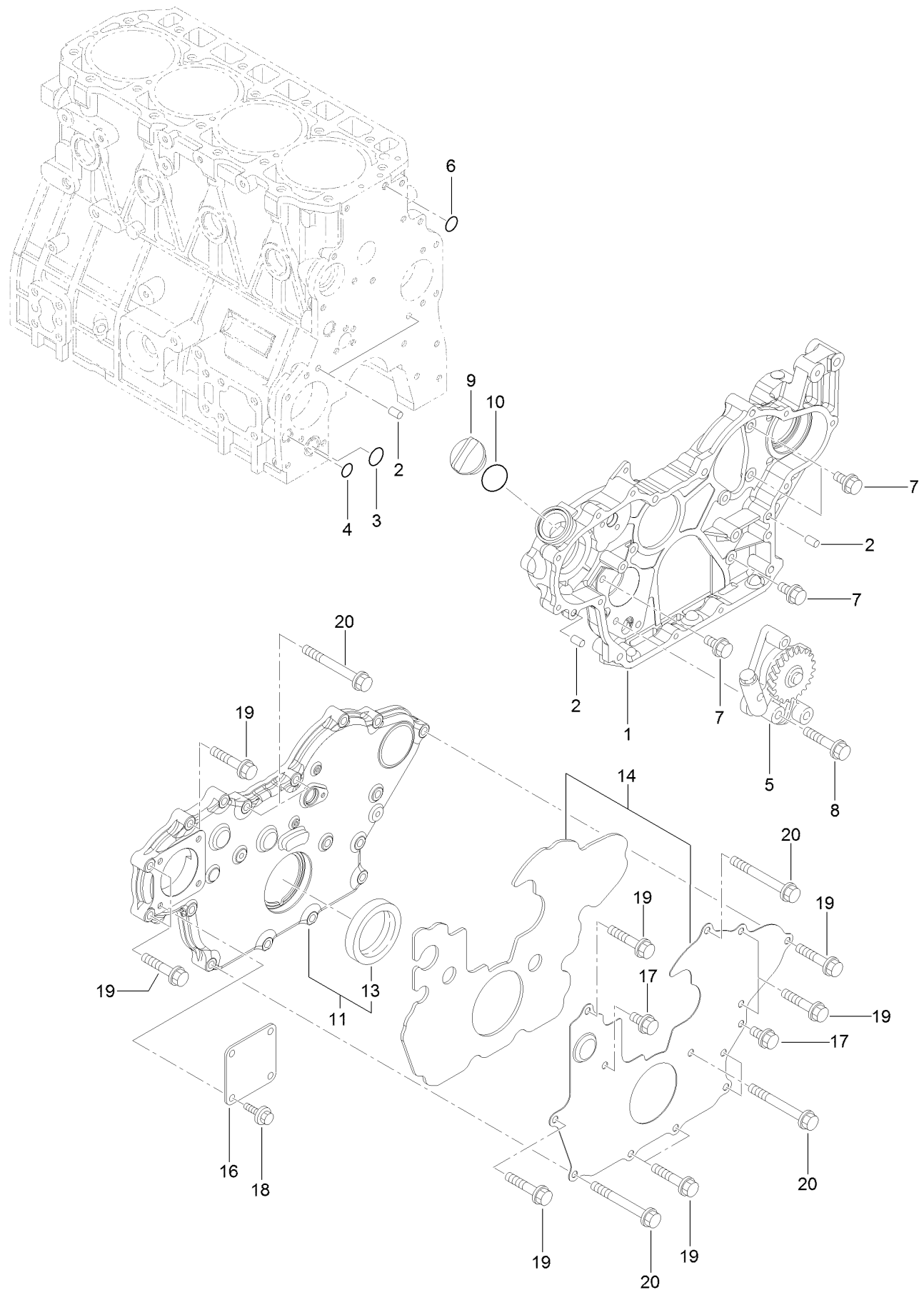
Cylinder Block Assembly



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	133-6785	1	Cylinder Block ASM	13	133-6798	1	Plug
4	133-6627	1	Plug	14	133-6798	1	Plug
5	125-7170	1	Plug	24	133-6631	2	Bearing-Thrust
6	133-6628	10	Bolt	27	133-6626	18	Bolt-Head
9	133-6630	1	Bushing-Camshaft	28	133-6700	1	Gasket-Head, Cylinder
10	133-2507	8	Plug	29	133-2508	5	Bearing-Main
11	125-7184	2	Pin-Spring	32	133-6629	5	Bearing
12	133-6798	1	Plug	35	133-6632	2	Bearing-Thrust

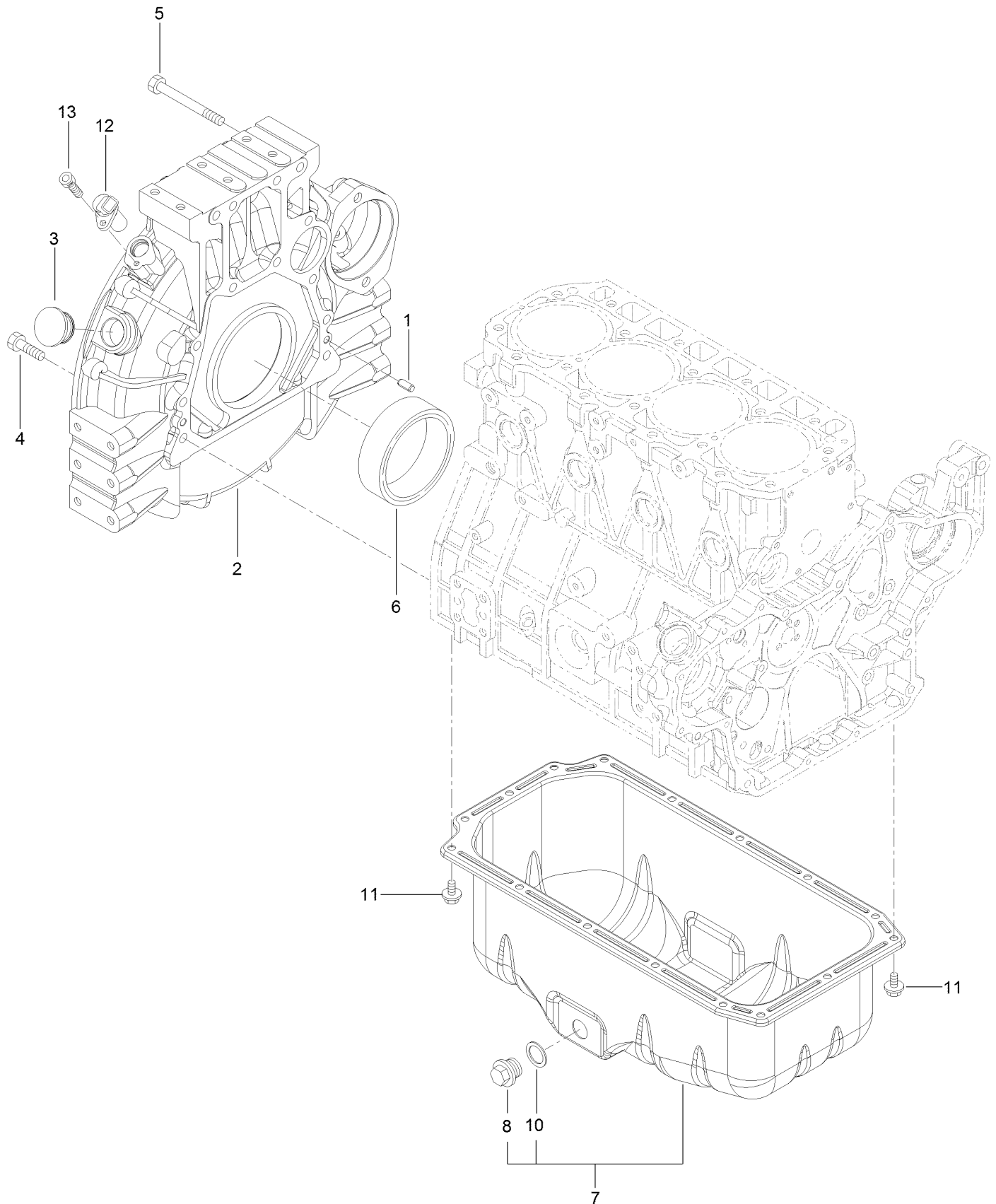
Gear Housing Assembly



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	137-5192	1	Case-Gear	10	125-7197	1	O-Ring
2	125-6995	4	Pin	11	133-6701	1	Gearcase Cover ASM
3	133-6653	1	O-Ring	13	133-6669	1	Seal-Oil
4	133-6654	1	O-Ring	14	133-6703	1	Gearcase Cover ASM
5	133-6664	1	Oil Pump ASM	16	125-6977	1	Cover
6	93-0400	1	O-Ring	17	125-7214	2	Bolt
7	125-7214	4	Bolt	18	125-7214	4	Bolt
8	125-7219	3	Bolt	19	125-7218	10	Bolt
9	125-6972	1	Cover-Filler	20	133-2492	7	Bolt

Flywheel Housing and Oil Sump Assembly

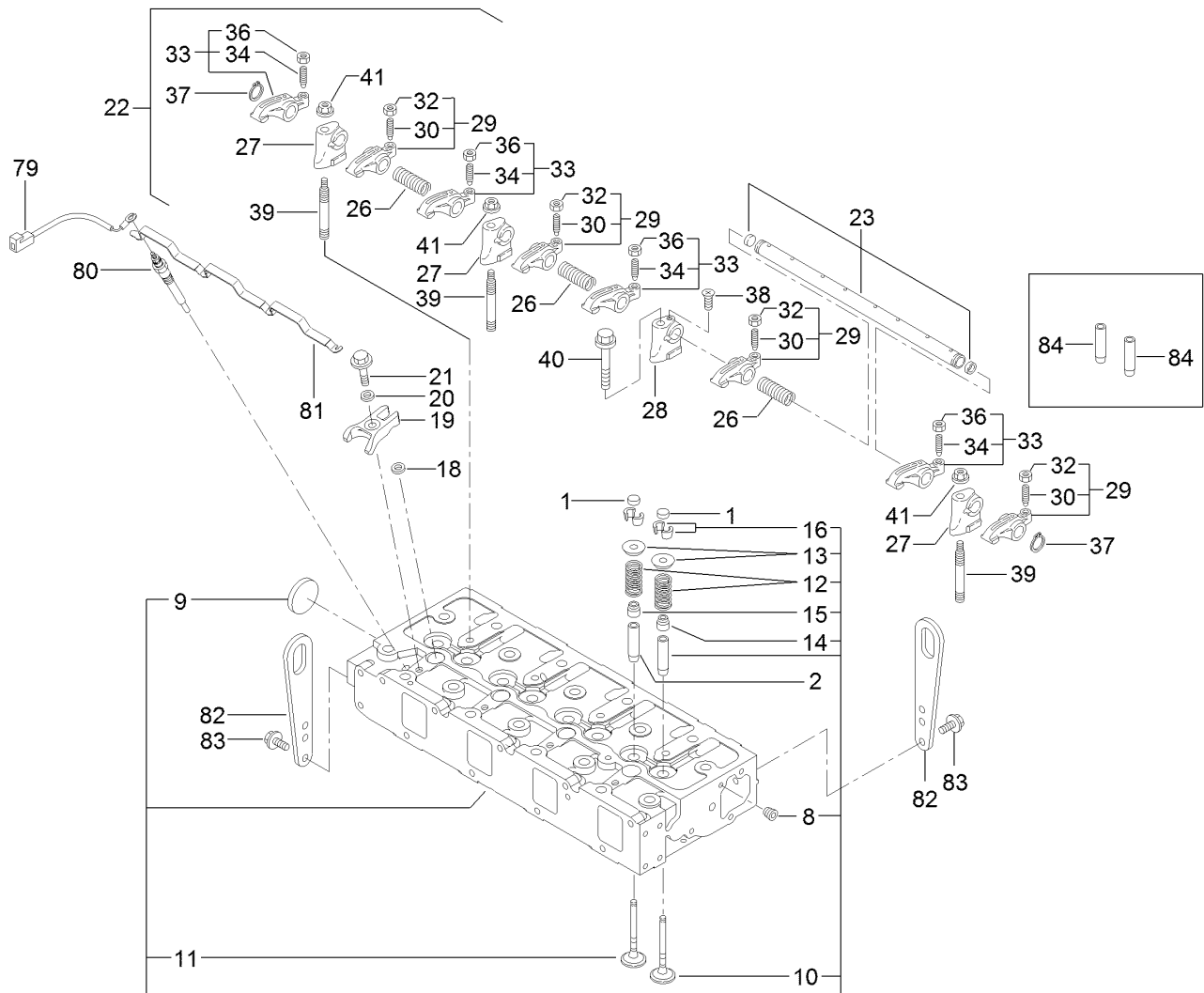
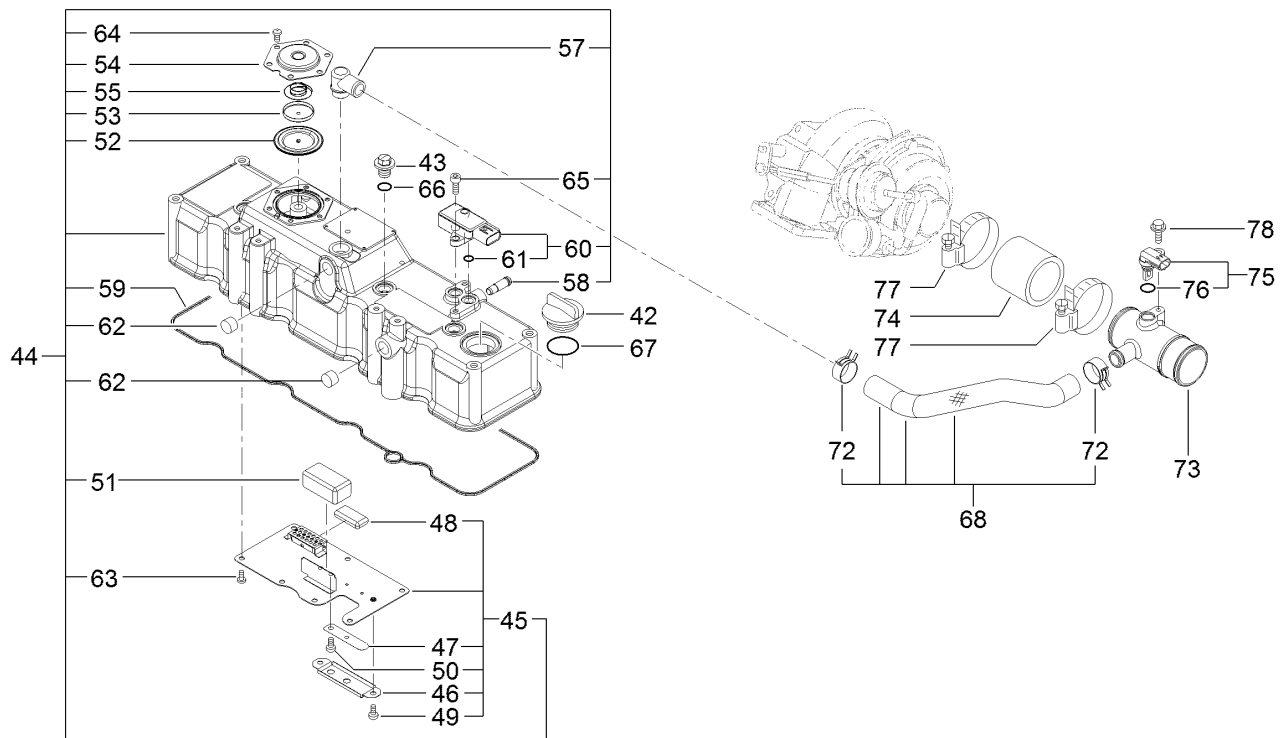


Flywheel Housing and Oil Sump Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	125-6995	2	Pin
2	133-6702	1	Housing-Flywheel
3	125-6910	1	Cap
4	133-2499	9	Bolt
5	133-2500	4	Bolt
6	133-6668	1	Seal

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	137-5166	1	Oil Pan ASM
8	125-6912	1	Plug-Drain
10	125-7177	1	Washer-Seal
11	125-7212	16	Bolt
12	127-3062	1	Sensor-Rev, Flywheel
13	127-3184	1	Bolt

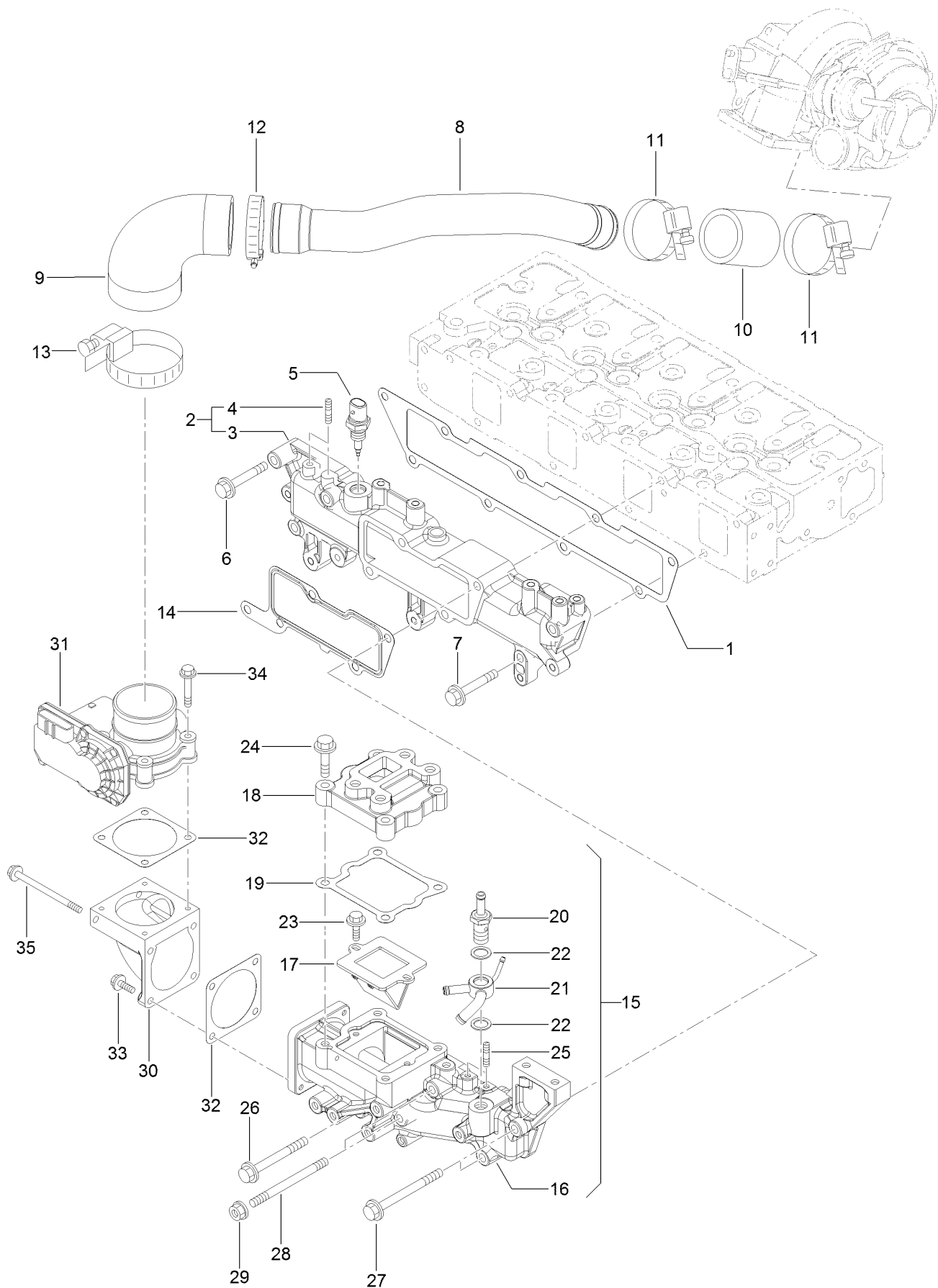
Cylinder Head and Cover Assembly



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	127-2996	8	Cap-Valve	46	133-6705	1	Cover-Plate, Spring
2	137-5184	1	Cylinder Head ASM	47	133-6696	1	Spring-Plate
8	133-6797	1	Plug	48	133-6661	1	Baffle-Breather
9	125-7240	1	Plug	49	133-2502	2	Screw
10	137-5174	4	Valve-Intake	50	133-2505	1	Screw
11	133-6634	4	Valve-Exhaust	51	125-7118	1	Baffle-Breather
12	133-6635	8	Spring-Valve	52	125-6959	1	Diaphragm
13	127-3013	8	Retainer-Spring	53	125-6960	1	Plate
14	127-2986	4	Seal-Stem, Valve	54	125-6961	1	Plate-Breather
15	127-3027	4	Seal-Stem, Valve	55	125-6962	1	Spring-Diaphragm
16	127-3186	8	Pin-Cotter	57	133-6603	1	Elbow
18	127-3021	4	Gasket-Injector	58	127-3026	1	Joint
19	133-6707	4	Retainer-Injector	59	132-4907	1	Gasket-Cover, Head
20	127-2980	4	Washer-Injector	60	127-3029	1	Sensor-Pressure
21	125-7217	4	Bolt	61	127-3032	2	O Ring-Sensor, Pressure
22	133-6636	1	Arm Support ASM	62	125-6913	2	Plug
23	133-6637	1	Rocker Shaft ASM	63	125-7186	7	Screw
26	133-6638	3	Spring-Arm, Rocker	64	125-7186	6	Screw
27	133-6639	3	Support-Arm, Rocker	65	127-3184	2	Bolt
28	133-6640	1	Support-Arm, Rocker	66	93-0418	3	O-Ring
29	133-6642	4	Arm-Rocker	67	125-7197	1	O-Ring
30	125-7013	4	Screw-Adjust, Valve	68	137-5183	1	Breather Hose ASM
32	125-7014	4	Nut	72	125-7040	2	Clip-Hose
33	133-6643	4	Arm-Rocker	73	137-5169	1	Breather Joint
34	125-7013	4	Screw-Adjust, Valve	74	127-3133	1	Hose-Intake
36	125-7014	4	Nut	75	127-3030	1	Sensor-Temp, Air
37	133-6794	2	Ring	76	127-3033	1	O Ring-Sensor, Temp
38	133-2503	1	Screw	77	125-7190	2	Clamp-Hose
39	133-6641	3	Stud	78	125-7208	1	Bolt
40	133-2498	1	Bolt	79	131-2704	1	Harness-Wire
41	125-7230	3	Nut	80	127-2991	4	Plug-Glow
42	125-6972	1	Cover-Filler	81	133-6750	1	Connector-Plug, Glow
43	125-6974	3	Knob	82	125-7111	2	Lifter
44	133-6755	1	Cylinder Head Cover ASM	83	125-7214	4	Bolt
45	133-6704	1	Plate-Baffle	84	127-2997	8	Guide-Valve

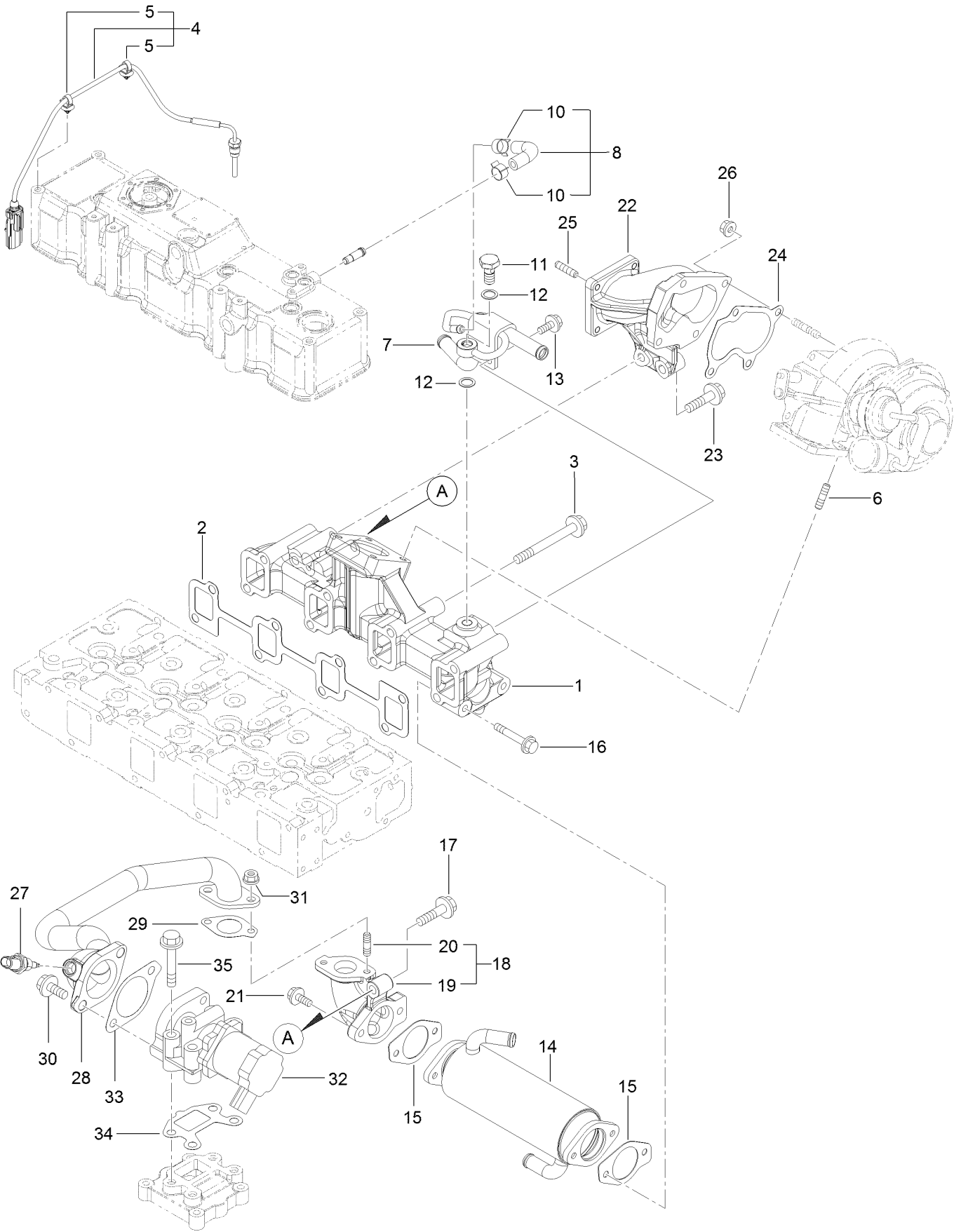
Suction Manifold Assembly



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	133-6708	1	Gasket-Manifold	19	133-6717	1	Gasket-V Spacer, E G R
2	133-6758	1	Intake Manifold ASM	20	127-3080	1	Joint-Hose
3	133-6757	1	Manifold-Intake, Air	21	133-6743	1	Joint-Hose
4	127-3180	2	Stud	22	127-3166	2	Washer-Seal
5	137-5167	1	Sensor-Temperature, Air	23	125-7207	2	Bolt
6	125-7219	1	Bolt	24	125-7217	4	Bolt
7	125-7221	4	Bolt	25	127-3180	2	Stud
8	133-6764	1	Duct-Intake	26	127-3178	1	Bolt
9	127-3096	1	Joint-Rubber	27	133-2493	2	Bolt
10	133-6765	1	Joint-Hose	28	133-2501	2	Stud
11	127-3170	2	Clamp-Hose	29	125-7229	2	Nut
12	125-7190	1	Clamp-Hose	30	127-3035	1	Bend-Inlet
13	127-3171	1	Clamp-Hose	31	127-3036	1	Body-Throttle
14	133-6709	1	Gasket-Collector	32	127-3037	2	Gasket-Throttle
15	133-6760	1	Collector ASM	33	125-7209	2	Bolt
16	133-6759	1	Collector	34	125-7211	4	Bolt
17	133-6762	1	Valve-Reed	35	127-3177	2	Bolt
18	133-6716	1	Spacer-Valve, E G R				

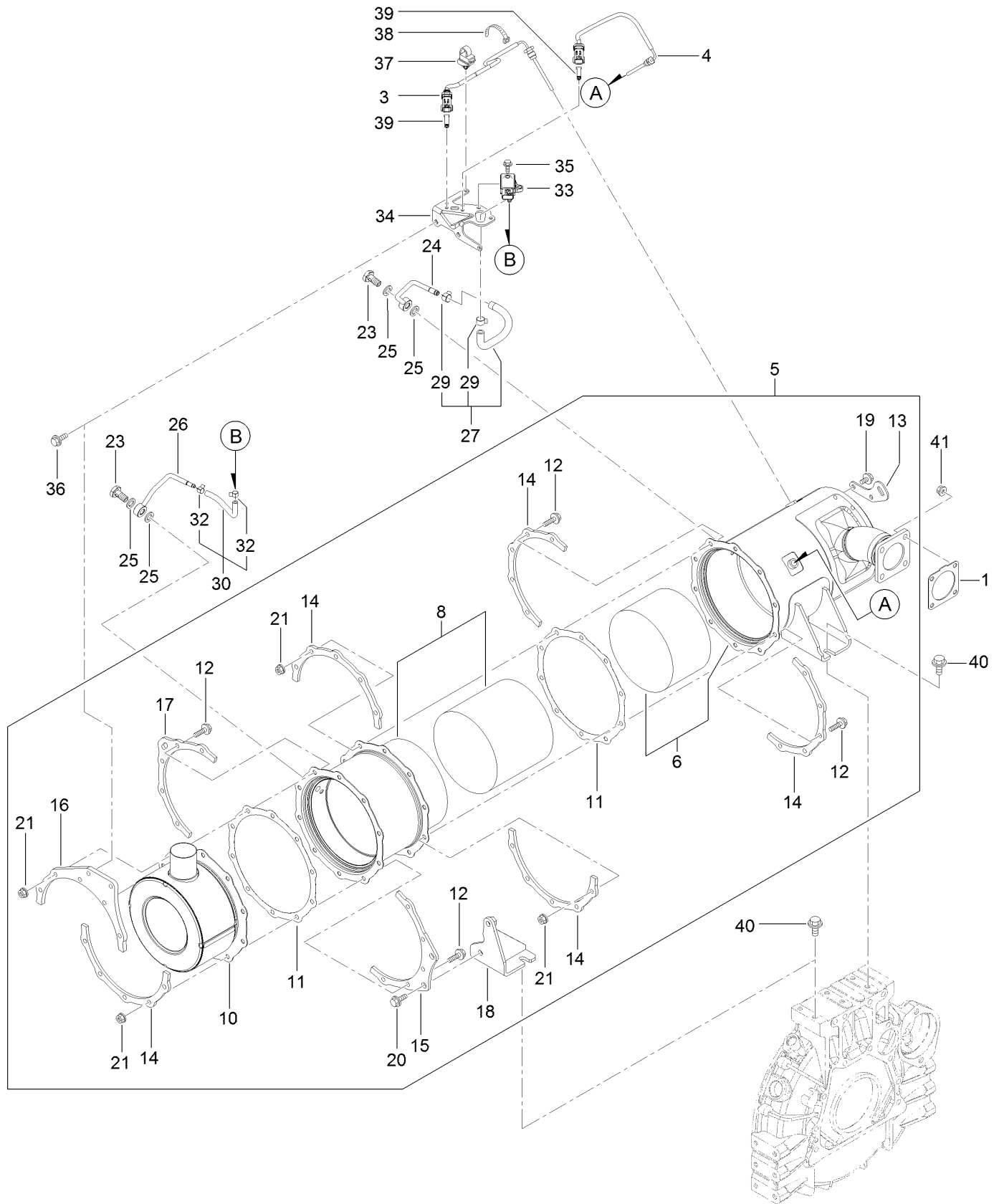
Exhaust Manifold Assembly



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	133-6761	1	Manifold-Exhaust	19	133-6721	1	Bend-Out, E G R-C
2	133-6710	1	Gasket-Manifold	20	125-7043	2	Stud
3	133-6791	8	Bolt	21	125-7595	2	Bolt
4	133-6718	1	Sensor-Temp, Exhaust	22	137-5186	1	Exhaust Pipe
5	127-3087	2	Band-Clip	23	133-6792	2	Bolt
6	125-7043	4	Stud	24	133-6619	1	Gasket
7	137-5185	1	Pipe-Pressure, Exhaust	25	125-6906	4	Stud
8	137-5164	1	Hose-Pressure, Exhaust	26	125-7229	4	Nut
10	127-3041	2	Clip-Hose	27	137-5168	1	Sensor-Gas Temp, E G R
11	127-3039	1	Bolt-Joint, Pipe	28	133-6719	1	E G R Pipe ASM
12	127-3174	2	Gasket	29	127-3016	1	Gasket
13	125-7214	2	Bolt	30	133-2496	2	Bolt
14	133-6713	1	Cooler-E G R	31	125-7229	2	Nut
15	133-6698	2	Gasket-Cooler, E G R	32	133-6722	1	Valve-E G R
16	133-6714	2	Bolt	33	133-6723	1	Gasket-In, E G R-V
17	133-6792	1	Bolt	34	133-6724	1	Gasket-Out, E G R-V
18	133-6720	1	E G R-C Out Bend ASM	35	93-0479	4	Bolt

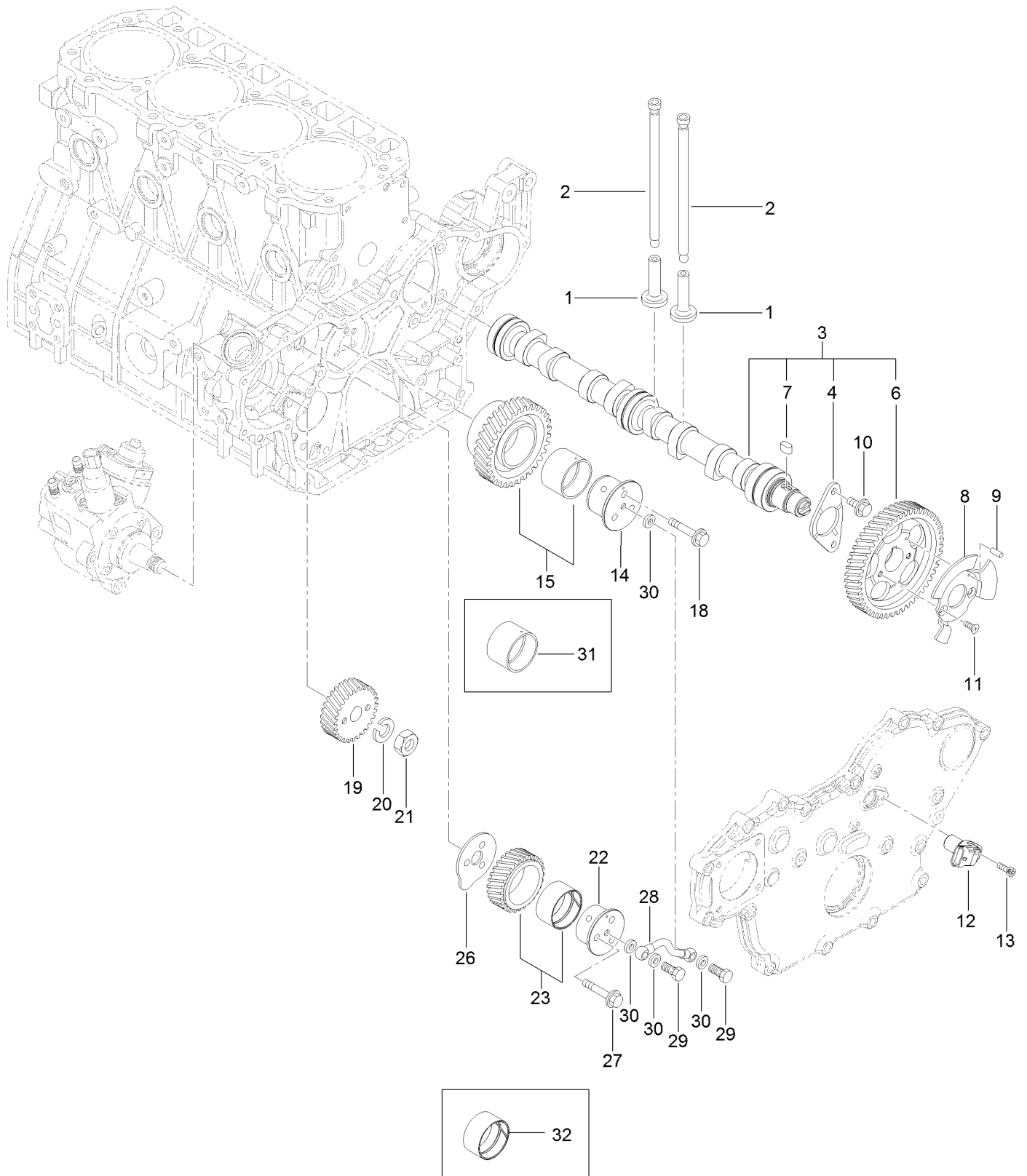
Diesel Particulate Filter Assembly



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	127-3019	1	Gasket	23	127-3039	2	Bolt-Joint, Pipe
3	127-4764	1	Sensor-Temp, Exhaust	24	127-3164	1	Exhaust Pressure Pipe ASM
4	127-4765	1	Sensor-Temp, Exhaust	25	127-3056	4	Gasket-Sensor
5	137-5194	1	D P F ASM	26	127-3165	1	Exhaust Pressure Pipe ASM
6	137-5187	1	Case-D O C	27	127-3114	1	Exhaust Hose ASM
8	137-5170	1	Case-Filter, Soot	29	127-3057	2	Clip-Hose
10	137-5175	1	Dpf Silencer	30	127-3059	1	Exhaust Pressure Hose ASM
11	127-3162	2	Gasket-D P F	32	127-3058	2	Clip-Hose
12	127-3055	20	Bolt	33	127-3060	1	Sensor-Pressure
13	127-3144	1	Lifter-D P F	34	127-3061	1	Bracket-Sensor, Pressure
14	127-3145	5	Stiffener-D P F, A	35	125-7208	2	Bolt
15	137-5171	1	Stiffener-D P F, B	36	125-7595	2	Bolt
16	137-5172	1	Stiffener-D P F, C	37	127-3087	1	Band-Clip
17	127-3147	1	Stiffener-D P F, C	38	127-3124	1	Band
18	137-5176	1	Stay-D P F	39	127-3088	2	Clip-Connector
19	125-7213	2	Bolt	40	130-7444	4	Bolt
20	131-2740	2	Bolt	41	125-7229	4	Nut
21	125-7229	20	Nut				

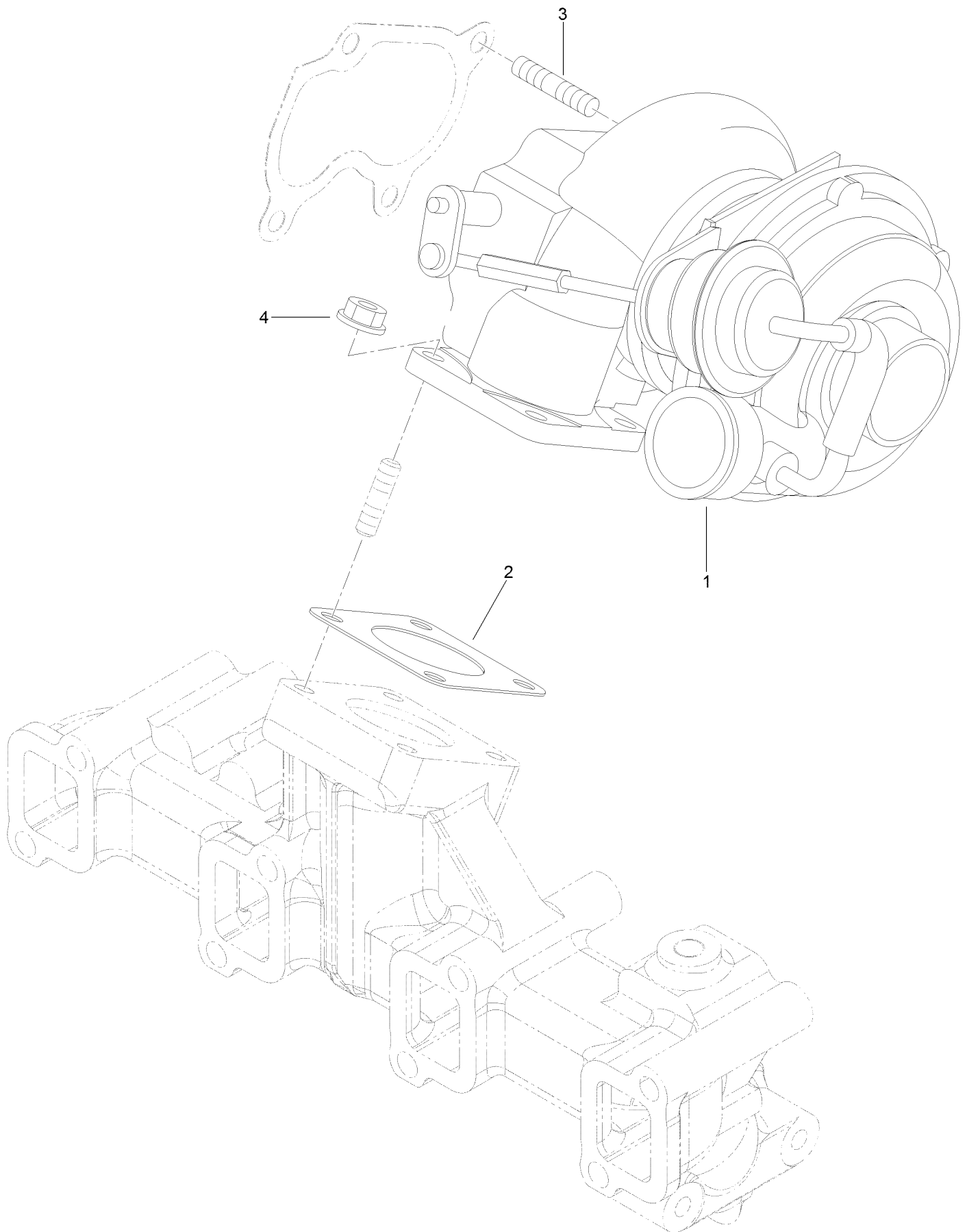
Camshaft and Driving Gear Assembly



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	8	Tappet	18	125-7220	3	Bolt
2	133-6644	8	Rod-Push	19	133-6737	1	Gear-Pump, Supply
3	133-6726	1	Cam Shaft ASM	20	127-3167	1	Washer-Spring
4	125-7008	1	Metal-Thrust	21	127-3185	1	Nut-Lock
6	133-6725	1	Gear-Camshaft	22	133-6732	1	Shaft-Gear B, Idle
7	125-7185	1	Key	23	133-6734	1	Idle Gear B ASM
8	133-6727	1	Pulser-Gear, Cam	26	133-6735	1	Plate-Shaft B, Idle
9	125-7182	1	Pin-Spring	27	125-7219	3	Bolt
10	125-7213	2	Bolt	28	133-6736	1	L O Pipe ASM
11	133-2504	2	Screw	29	133-6600	2	Bolt-Joint, Pipe
12	127-3054	1	Sensor-Rev, Gear	30	125-7174	4	Washer-Seal
13	127-3184	1	Bolt	31	133-6624	1	Bushing-Gear, Idle
14	133-6731	1	Shaft-Gear A, Idle	32	133-6733	1	Bushing
15	133-6652	1	Idle Gear ASM				

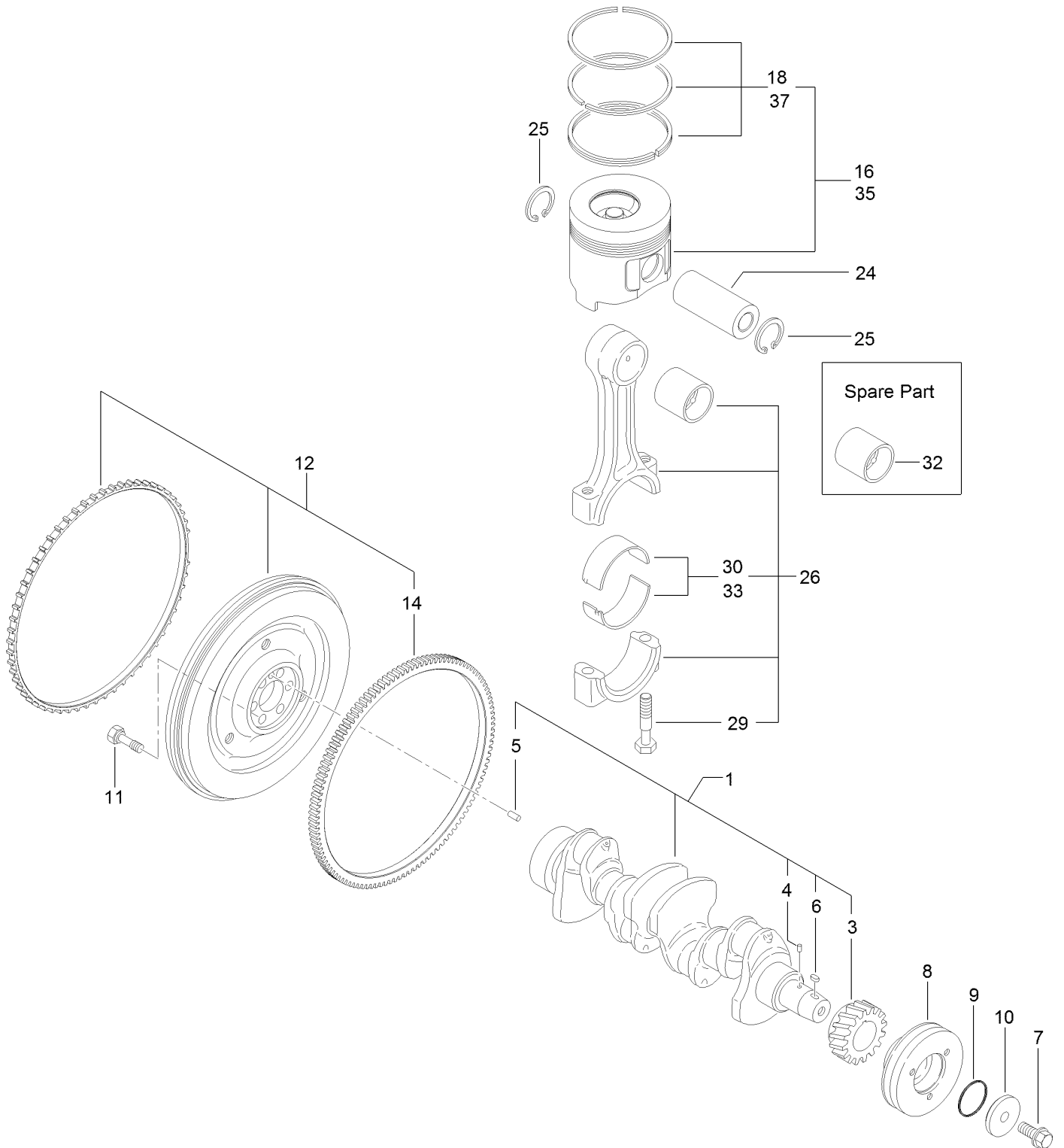
Turbine Assembly



Turbine 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	137-5188	1	Turbocharger	3	125-6906	4	Stud
2	133-6625	1	Gasket	4	125-7229	4	Nut

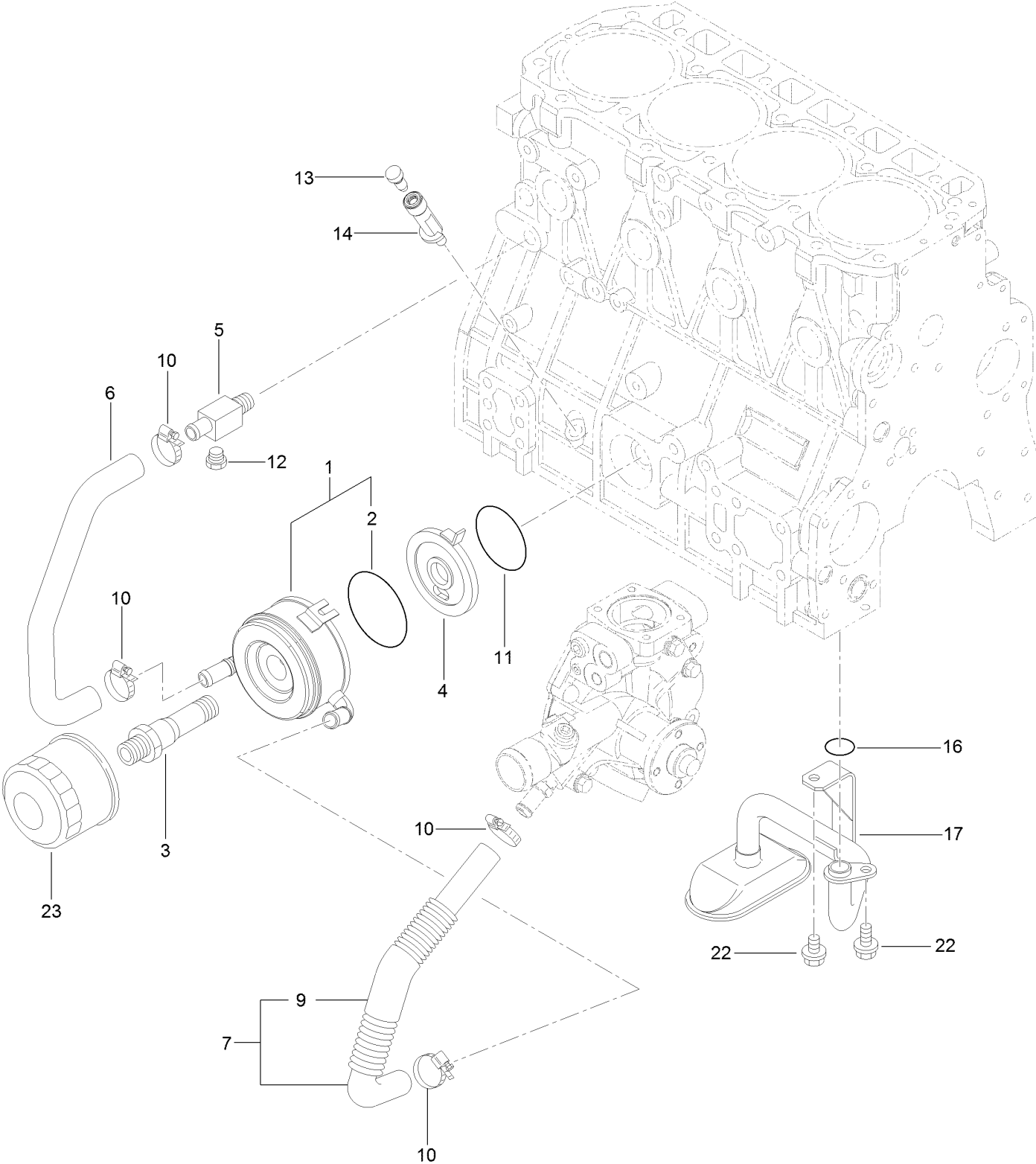
Crankshaft and Piston Assembly



Crankshaft and Piston 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	133-6663	1	Crankshaft ASM	16	133-6766	4	Piston ASM
3	133-6645	1	Gear-Crankshaft	18	133-6729	4	Ring ASM
4	133-6611	1	Pin	24	133-6607	4	Pin-Piston
5	133-6612	1	Pin-Parallel	25	133-6795	8	Ring
6	125-7185	1	Key	26	133-6647	4	Connecting Rod ASM
7	133-6670	1	Bolt	29	133-6648	8	Bolt-Rod, Connecting
8	133-6662	1	Pulley-V	30	133-6649	4	Bearing-Pin, Crank
9	133-6693	1	Packing-Washer	32	133-6651	4	Bearing-Pin, Piston
10	133-6694	1	Washer-Pulley, V	33	133-6650	4	Bearing
11	133-6610	6	Bolt-Flywheel	35	133-6767	4	Piston ASM
12	137-5177	1	Flywheel ASM	37	133-6730	4	Ring ASM
14	133-6646	1	Gear-Ring				

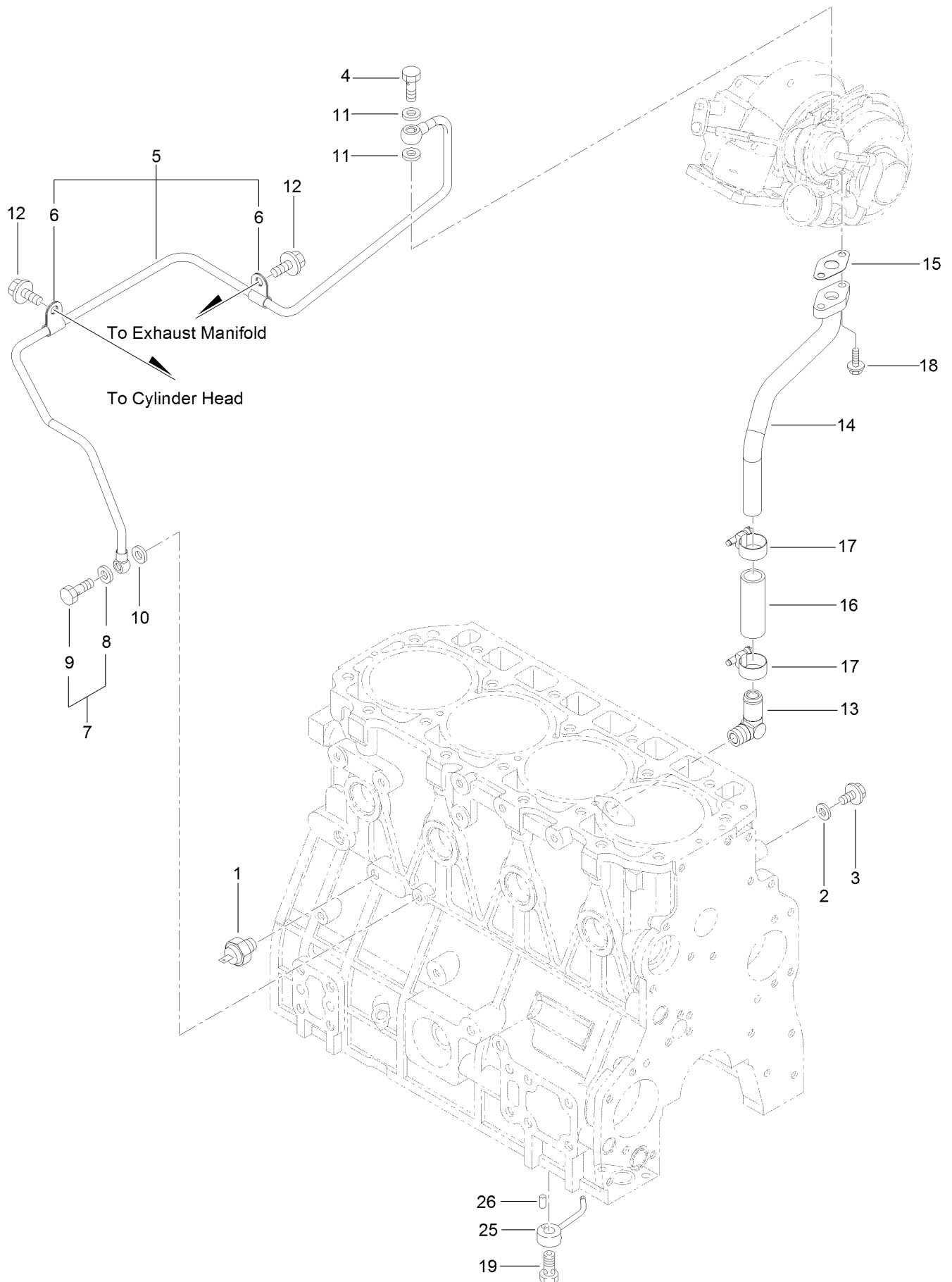
Lubrication and Oil System Assembly



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	127-3014	1	Cooler ASM	11	127-3176	1	O-Ring
2	127-2985	1	O-Ring	12	125-7171	1	Plug-Drain
3	133-6622	1	Bolt-Cooler	13	137-5132	1	Plug-Dipstick
4	127-3015	1	Bracket-Cooler	14	137-5161	1	Guide-Dipstick
5	125-6990	1	Joint	16	133-6653	1	O-Ring
6	133-6667	1	Pipe-Water	17	137-5162	1	Oil Pickup Tube ASM
7	133-6620	1	Pipe-Water	22	125-7212	2	Bolt
9	133-6621	1	Tube-Corrugated	23	125-7025	1	Filter-Engine
10	125-7188	4	Clamp-Hose				

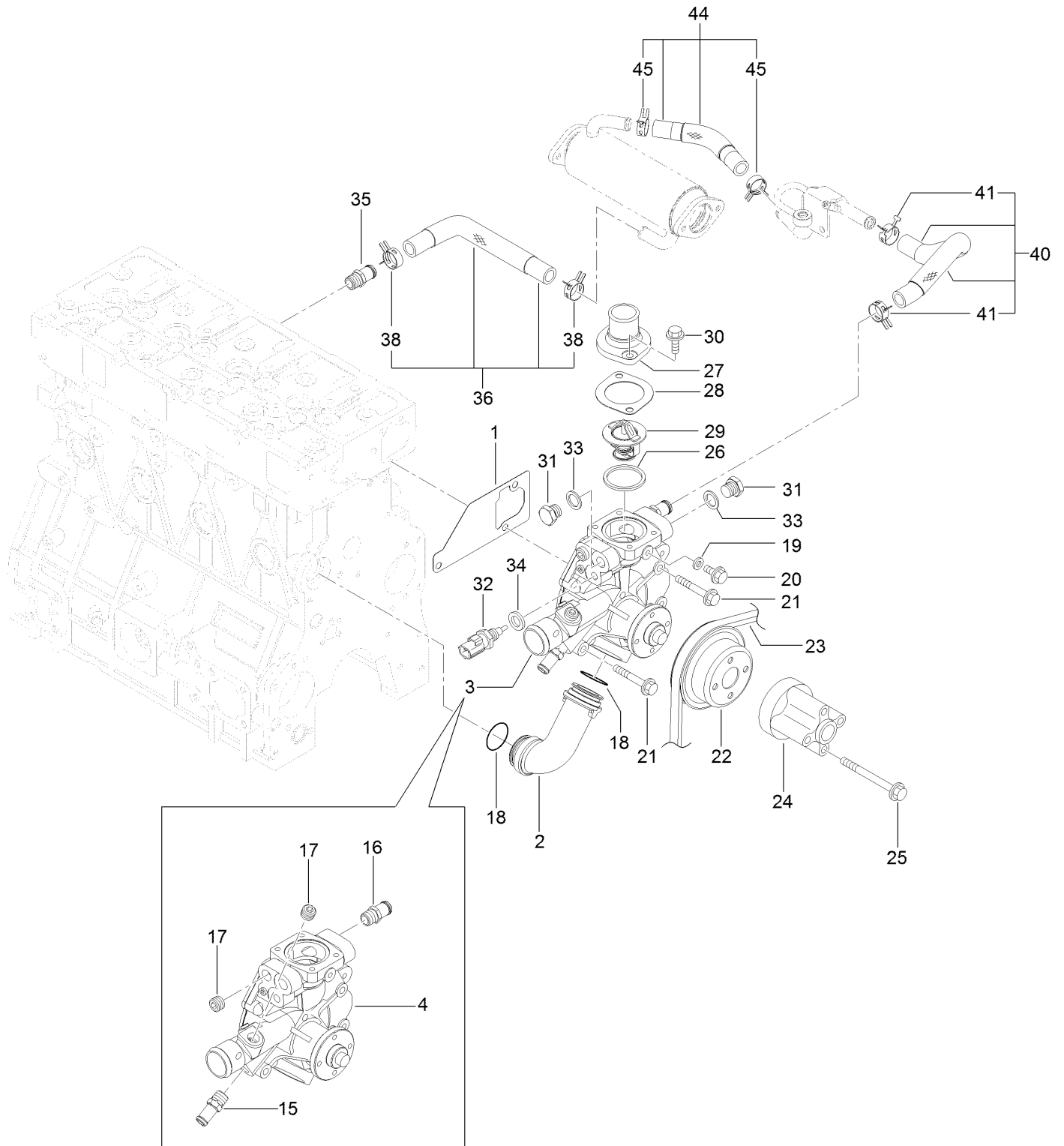
Lubrication Oil Pipe Assembly



Lubrication Oil Pipe 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	125-6918	1	Switch-Oil	12	125-7212	2	Bolt
2	125-7174	1	Washer-Seal	13	125-6971	1	Elbow
3	125-7212	1	Bolt	14	133-6769	1	Pipe-L O Return T/C
4	125-6952	1	Bolt-Joint, Pipe	15	133-6666	1	Gasket
5	133-6768	1	L O Pipe ASM	16	125-6958	1	Hose
6	133-6623	2	Retainer	17	125-7188	2	Clamp-Hose
7	125-6988	1	Joint Bolt ASM	18	125-7208	2	Bolt
8	125-7174	1	Washer-Seal	19	133-6665	4	Check Valve ASM
9	125-7194	1	Bolt-Joint	25	133-6602	4	Nozzle
10	125-7174	2	Washer-Seal	26	125-7182	4	Pin-Spring
11	125-7193	2	Gasket				

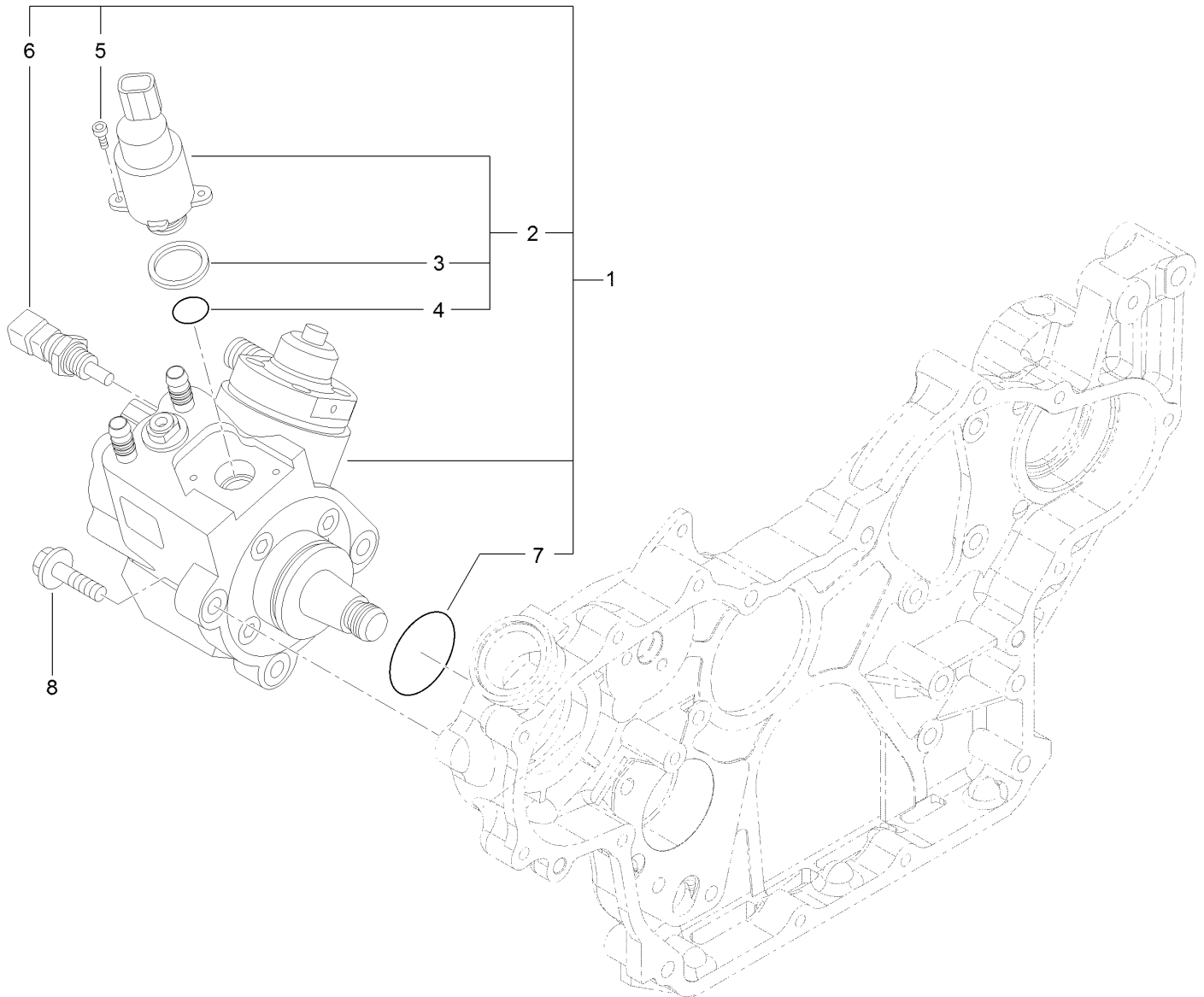
Cooling Water System Assembly



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	137-5133	1	Gasket-Pump, Water	27	137-5165	1	Cover-Thermostat
2	137-5134	1	Pipe-Water	28	137-5159	1	Gasket-Cover, Thermostat
3	137-5193	1	Water Pump ASM	29	133-6615	1	Thermostat
4	137-5178	1	Water Pump ASM	30	125-7215	2	Bolt
15	137-5163	1	Joint	31	125-6953	2	Plug
16	127-3017	1	Joint	32	125-7124	1	Sensor-Thermostat, CW
17	125-7123	2	Plug	33	125-6979	2	Gasket
18	137-5135	2	O-Ring	34	125-7176	1	Washer-Seal
19	125-7192	1	Gasket	35	127-3017	1	Joint
20	125-7212	1	Bolt	36	133-6738	1	E G R-C In Hose ASM
21	125-7221	3	Bolt	38	127-3020	2	Clip-Hose
22	137-5136	1	Pulley-Fan	40	137-5179	1	E G R- C Out B Hose ASM
23	137-5196	1	Belt-V	41	127-3020	2	Clip-Hose
24	137-5137	1	Spacer-Fan	44	137-5180	1	E G R- C Out A Hose ASM
25	125-7224	4	Bolt	45	127-3020	2	Clip-Hose
26	133-6614	1	Gasket-Thermostat				

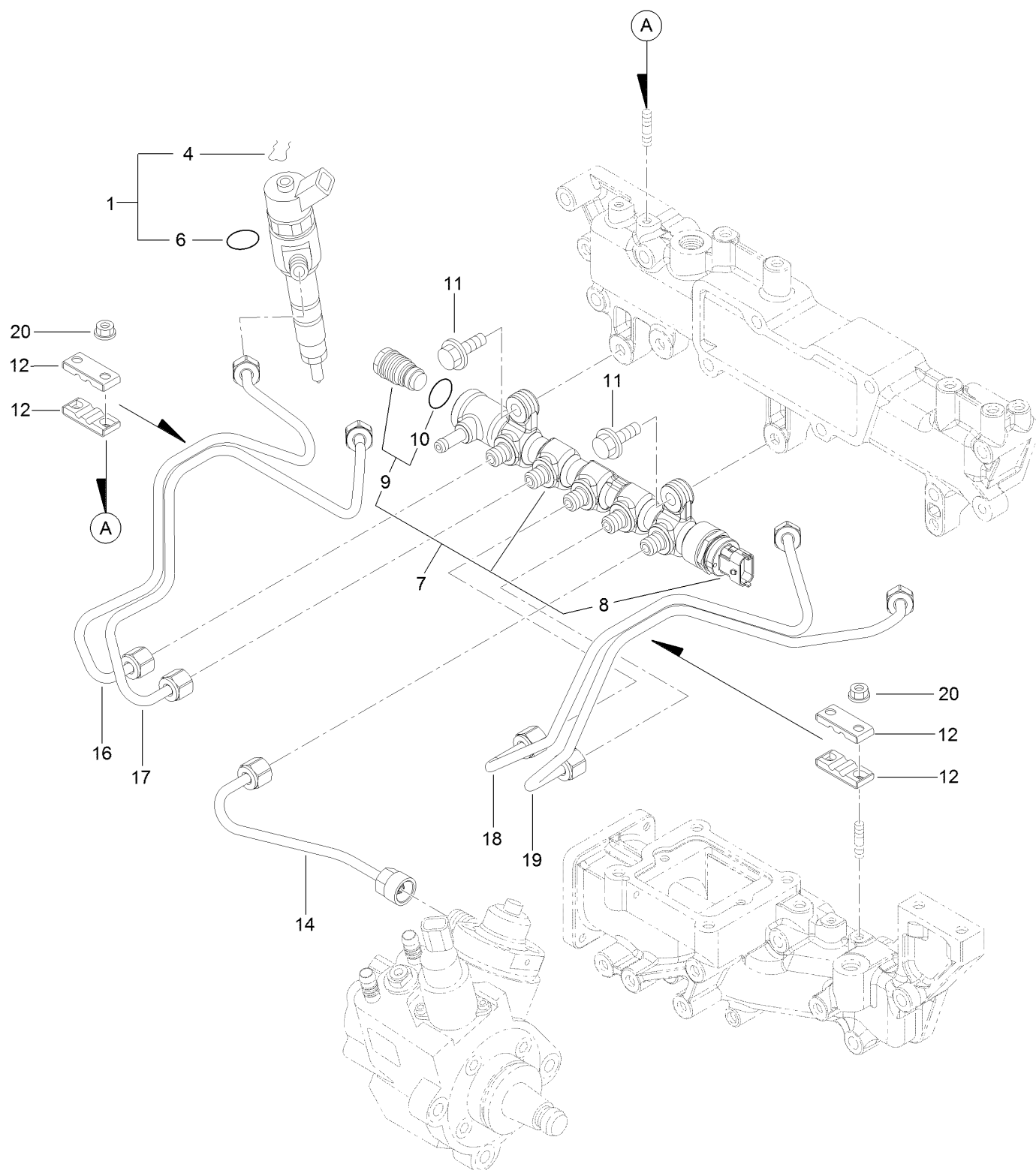
Fuel Supply Pump Assembly



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	127-3073	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-Pump, Fuel
4	131-2106	1	O-Ring	8	125-7216	3	Bolt

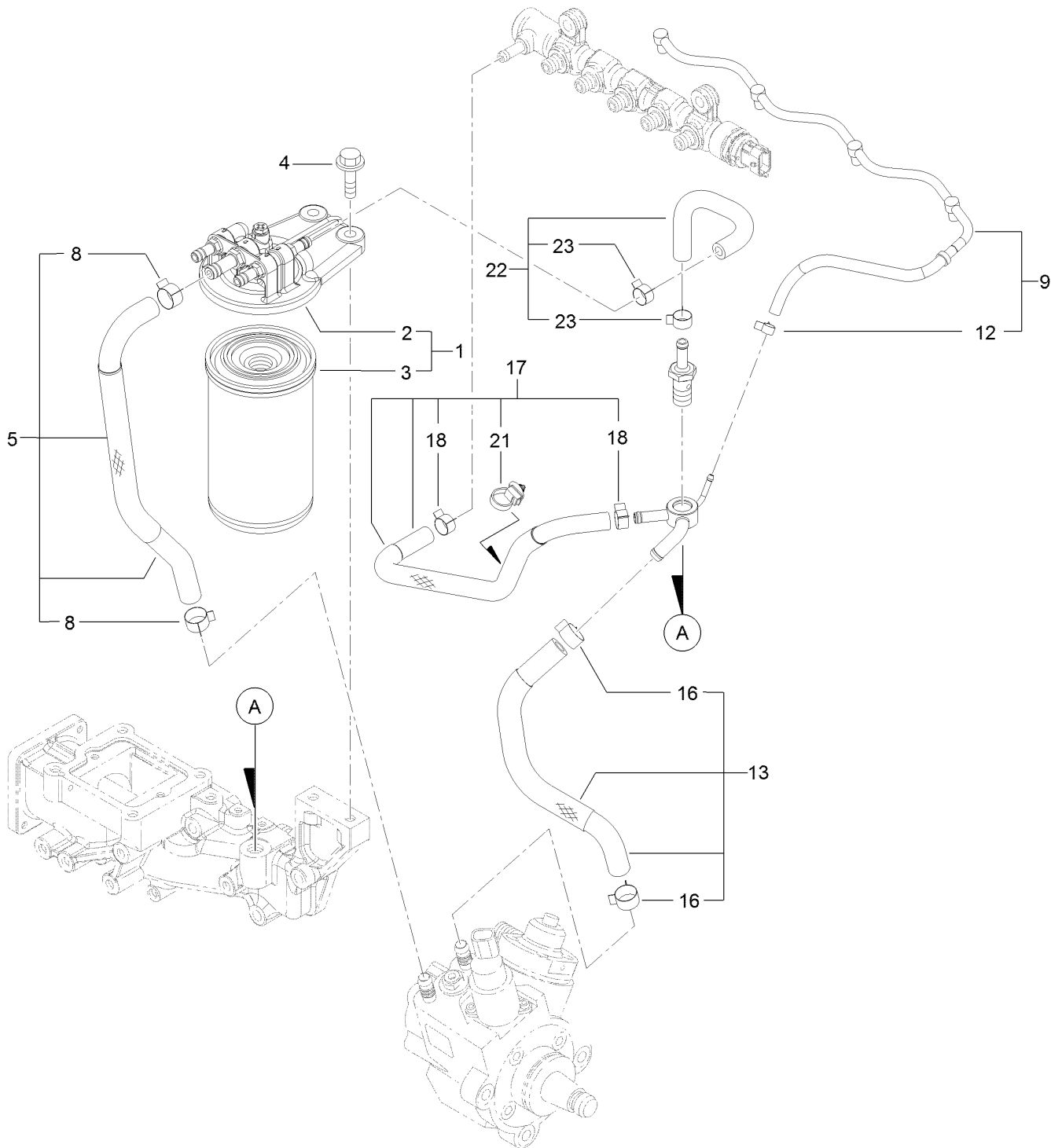
Fuel Injection Valve Assembly



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	133-6770	4	Injector-C R	12	127-2982	4	Retainer
4	130-7430	4	Ring-Retaining	14	133-6745	1	Rail Injector Pipe ASM
6	137-5173	4	O-Ring	16	133-6746	1	Injector No 1 Pipe ASM
7	127-3118	1	Rail ASM	17	133-6747	1	Injector No 2 Pipe ASM
8	130-7431	1	Sensor-Pressure, Rail	18	133-6748	1	Injector No 3 Pipe ASM
9	130-7432	1	Valve ASM	19	133-6749	1	Injector No 4 Pipe ASM
10	130-7433	1	O-Ring	20	125-7231	4	Nut
11	125-7215	2	Bolt				

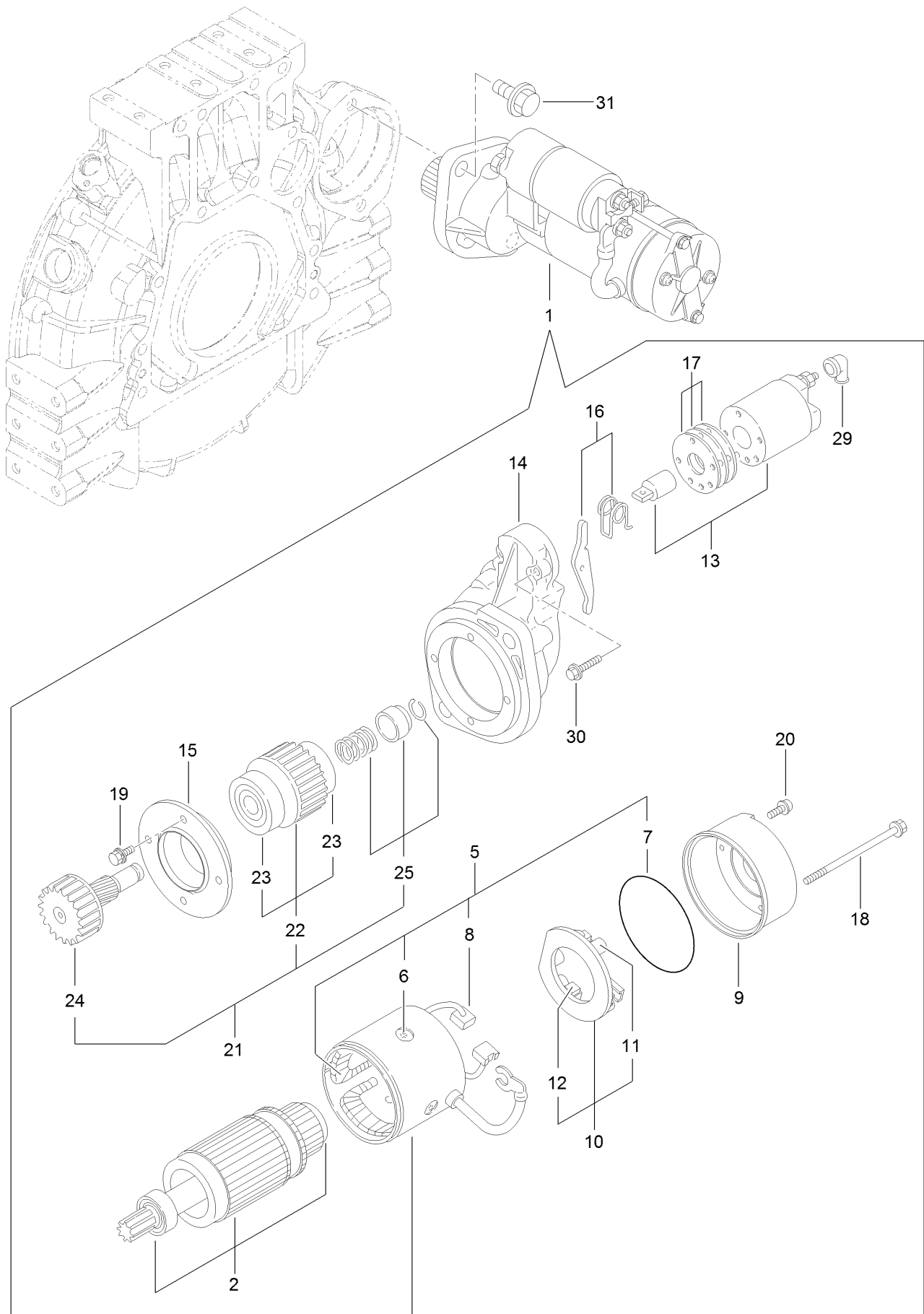
Fuel Pipe Assembly



Fuel Pipe 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	127-3075	1	Fuel/Oil Filter ASM	13	133-6741	1	Fuel/Oil Return Hose ASM
2	127-3076	1	Fuel/Oil Filter Bracket ASM	16	125-7191	2	Clamp-Hose
3	125-8752	1	Filter-Fuel/Oil	17	133-6742	1	Fuel/Oil Return Hose ASM
4	125-7216	2	Bolt	18	127-2950	2	Clip-Hose
5	137-5181	1	Fuel Hose ASM	21	127-3087	1	Band-Clip
8	125-7191	2	Clamp-Hose	22	137-5182	1	Fuel Return Hose ASM
9	137-5189	1	Fuel Return Pipe ASM	23	127-2950	2	Clip-Hose
12	127-3172	1	Clamp-Hose				

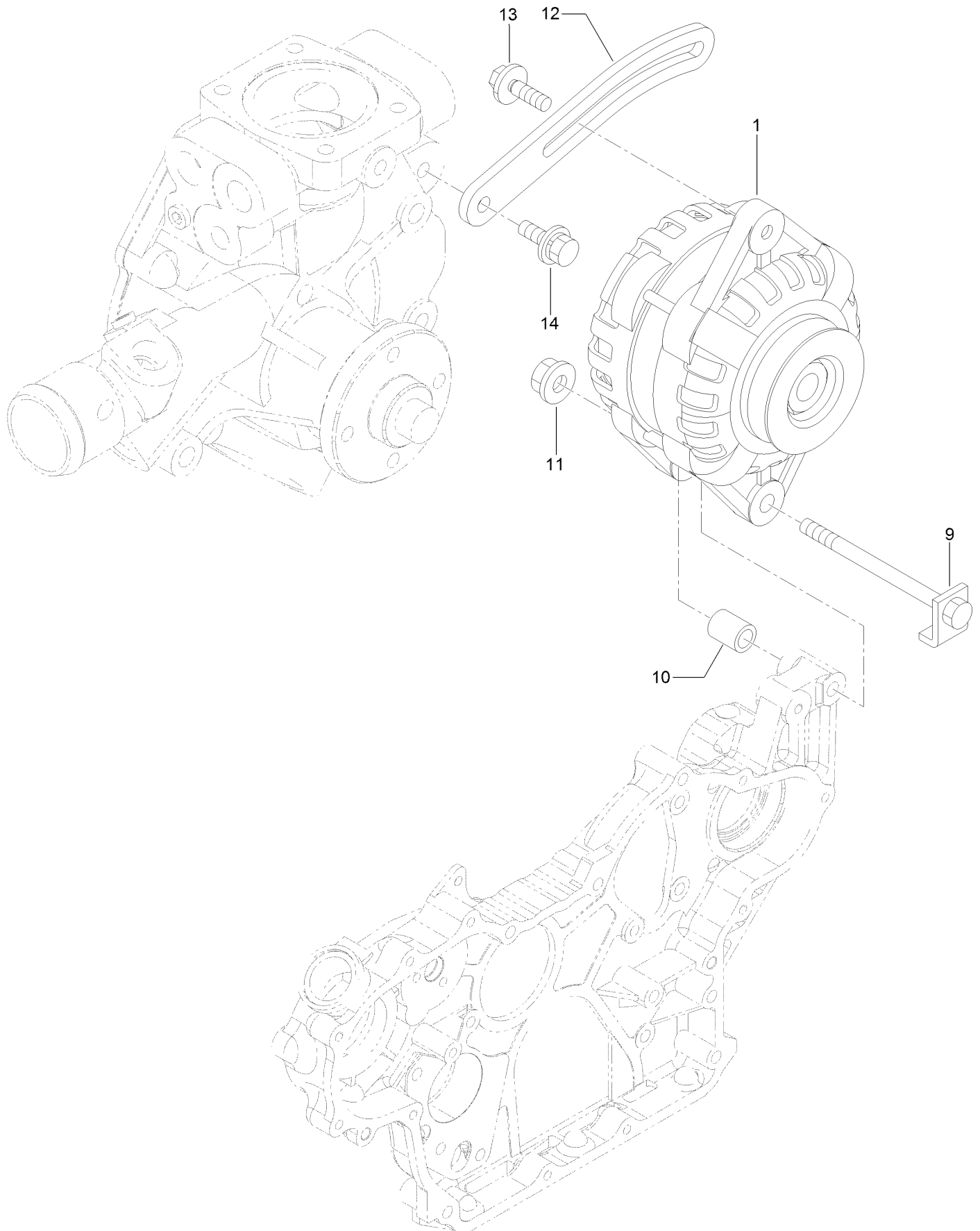
Starter Motor Assembly



Starter Motor 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	133-6673	1	Starter	16	133-6686	1	Lever Set
2	133-6674	1	Armature ASM	17	133-6687	1	Dust Cover ASM
5	133-6675	1	Field Coil ASM	18	133-6688	2	Bolt-Through
6	133-6676	4	Screw	19	133-6689	4	Bolt
7	133-6677	1	O-Ring	20	133-6690	2	Screw
8	133-6678	2	Brush	21	133-6616	1	Pinion ASM
9	133-6679	1	Cover	22	133-6617	1	Clutch ASM
10	133-6680	1	Brush Holder ASM	23	133-2510	2	Bearing-Ball
11	133-6681	1	Spring	24	133-6618	1	Shaft
12	133-6682	2	Brush	25	133-6604	1	Stopper Kit
13	133-6683	1	Switch ASM	29	133-6609	1	Cover-Terminal
14	133-6684	1	Case-Gear	30	133-6601	2	Bolt
15	133-6685	1	Retainer	31	125-7225	2	Bolt

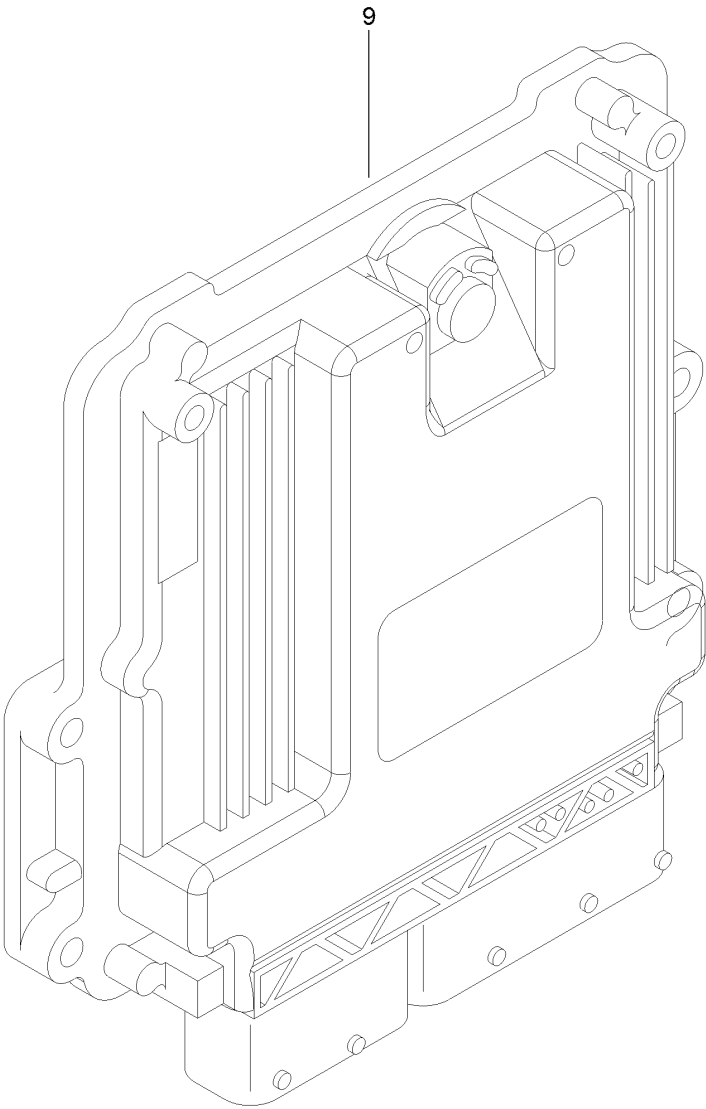
Generator Assembly



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	125-7120	1	Alternator-12V	12	137-5160	1	Arm-Adjustor
9	125-7121	1	Bolt-Stopper	13	137-5131	1	Bolt-Adjusting
10	125-7122	1	Piece-Distance	14	133-2491	1	Bolt
11	125-7230	1	Nut				

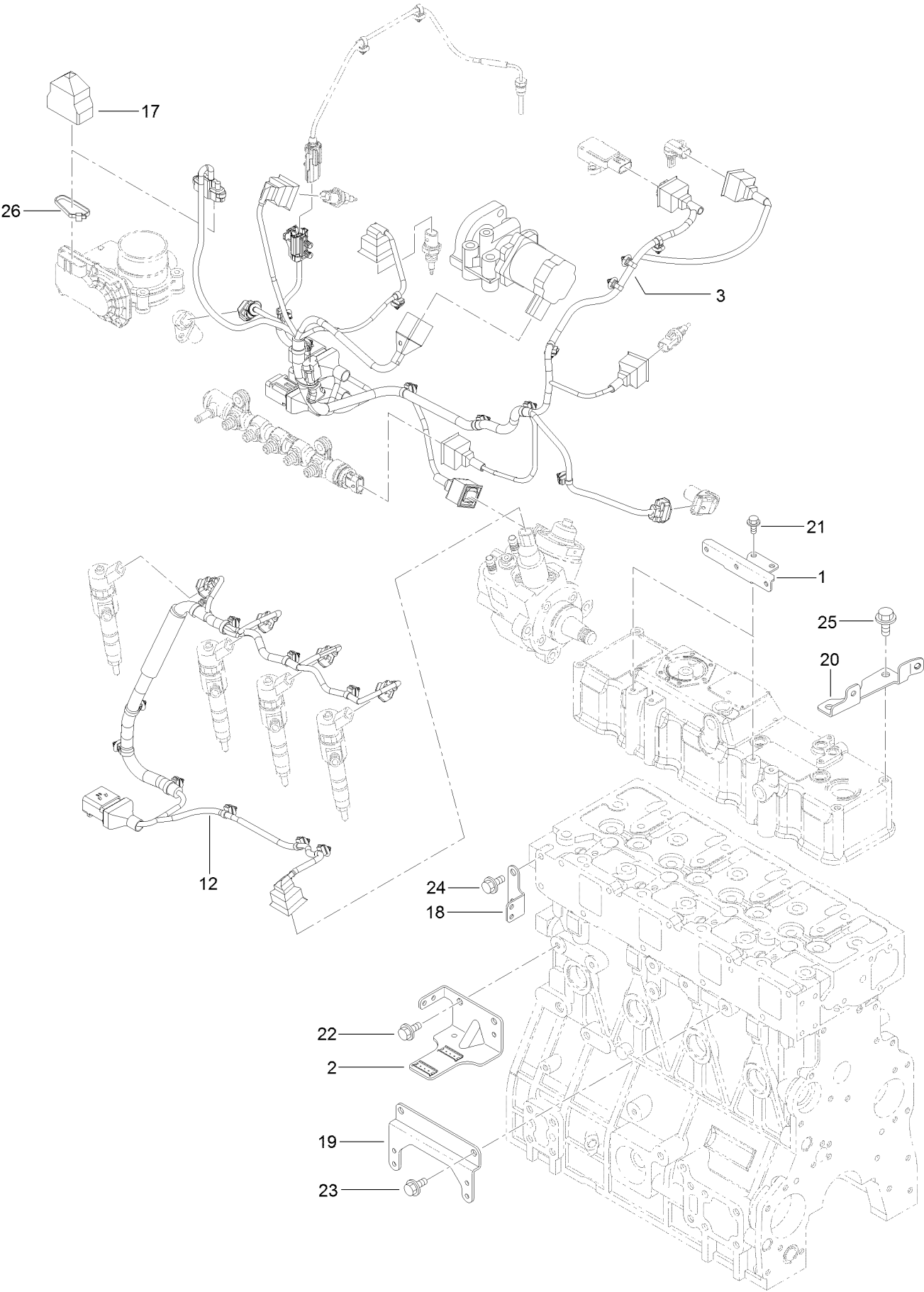
Electronic Control Unit Assembly



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

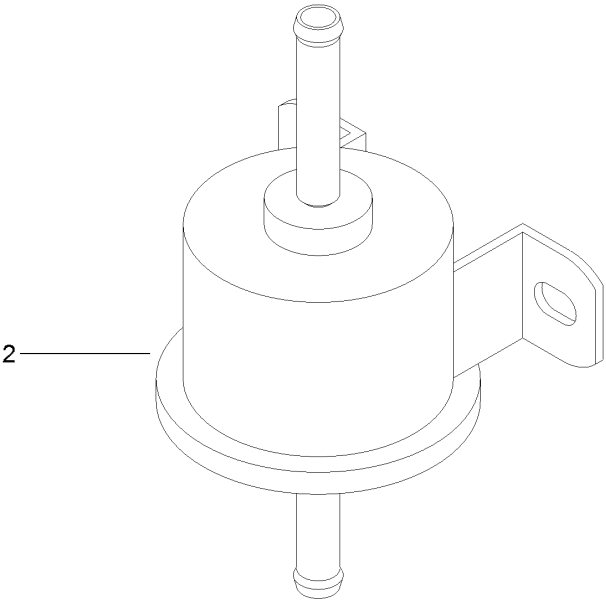
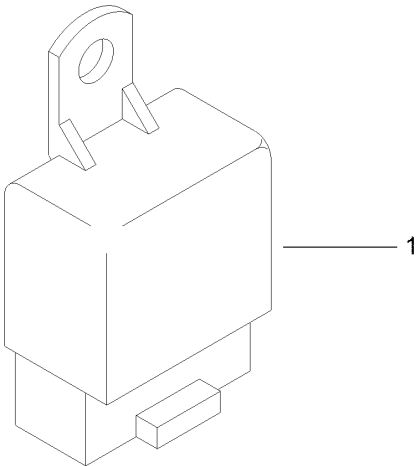
Electric Parts Assembly



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	133-6706	2	Bracket-Harness	20	137-5190	1	Bracket-Harness
2	133-6751	1	Bracket-Connector	21	125-7206	4	Bolt
3	133-6771	1	Harness-B, E C O	22	125-7212	2	Bolt
12	133-6752	1	Harness-C, E C O Engine	23	125-7212	2	Bolt
17	131-2713	1	Boot-Cap	24	125-7212	2	Bolt
18	127-3090	1	Bracket-Harness	25	125-7212	2	Bolt
19	133-6753	1	Bracket-Harness	26	127-3188	1	Band

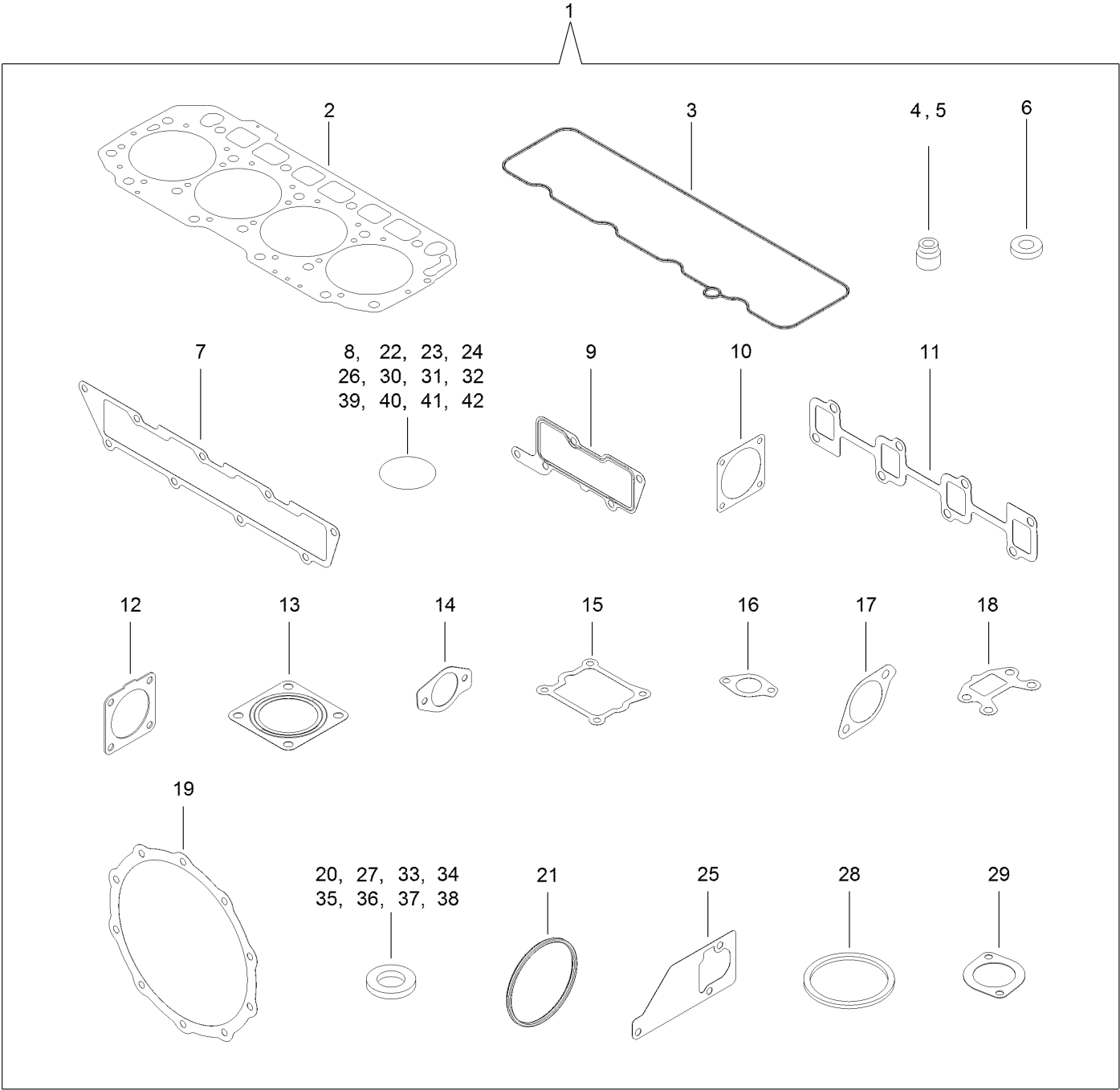
Miscellaneous Engine Parts



Miscellaneous Engine Parts (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	137-5148	1	Relay
2	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	137-5191	1	Gasket Set	22	133-6653	2	O-Ring
2	133-6700	1	Gasket-Head, Cylinder	23	133-6654	1	O-Ring
3	132-4907	1	Gasket-Cover, Head	24	127-2985	1	O-Ring
4	127-2986	4	Seal-Stem, Valve	25	137-5133	1	Gasket-Pump, Water
5	127-3027	4	Seal-Stem, Valve	26	137-5135	2	O-Ring
6	127-3021	4	Gasket-Injector	27	125-6979	2	Gasket
7	133-6708	1	Gasket-Manifold	28	133-6614	1	Gasket-Thermostat
8	127-3033	1	O Ring-Sensor, Temp	29	137-5159	1	Gasket-Cover, Thermostat
9	133-6709	1	Gasket-Collector	30	131-2106	1	O-Ring
10	127-3037	2	Gasket-Throttle	31	127-3074	1	O Ring-Pump, Fuel
11	133-6710	1	Gasket-Manifold	32	130-7433	1	O-Ring
12	127-3019	3	Gasket	33	125-7174	8	Washer-Seal
13	127-2987	1	Gasket-Silencer	34	125-7176	1	Washer-Seal
14	133-6698	2	Gasket-Cooler, E G R	35	127-3166	2	Washer-Seal
15	133-6717	1	Gasket-V Spacer, E G R	36	125-7177	1	Washer-Seal
16	127-3016	1	Gasket	37	125-7192	1	Gasket
17	133-6723	1	Gasket-In, E G R-V	38	127-3174	2	Gasket
18	133-6724	1	Gasket-Out, E G R-V	39	93-0418	3	O-Ring
19	127-3162	2	Gasket-D P F	40	125-7197	3	O-Ring
20	127-3056	4	Gasket-Sensor	41	127-3176	1	O-Ring
21	133-6693	1	Packing-Washer	42	92-0789	1	O-Ring

Attachments and Accessories

For 23803 2226 Directional Drill

Product Name	Model/Part
Premium All Purpose Grease (Tube)	108-1190
Premium All Season Gear Lube (Quart)	108-1590
Premium Heavy Duty All Season Gear Lube (Quart)	108-1591
Primary Engine Air Filter	108-3815
All Season Synthetic Oil.....	117-0066
Oil-Synthetic, All Season	117-0066A
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
Fuel/Water Separator Filter.....	125-2915
Fuel Filter.....	125-8752
Sonde Block Set, Dual Block	127-4304
RAM 4in Claw Bit	127-4306
RAM 4in Taper Bit	127-4307
RAM 4in Cutter Bit	127-4308
RAM 4in Button Bit	127-4310
RAM 5in Claw Bit	127-4312
RAM 5in Taper Bit	127-4313
RAM 5in Button Bit	127-4316
2.06in Firestick Box, 2in RAMON Box LE	127-4325
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Count on it.