Form No. 3416-345 Rev B

TORO®

Count on it.

Parts Catalog

2226 Directional Drill

Model No. 23803—Serial No. 400000000 and Up

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

CE

3416-345 B

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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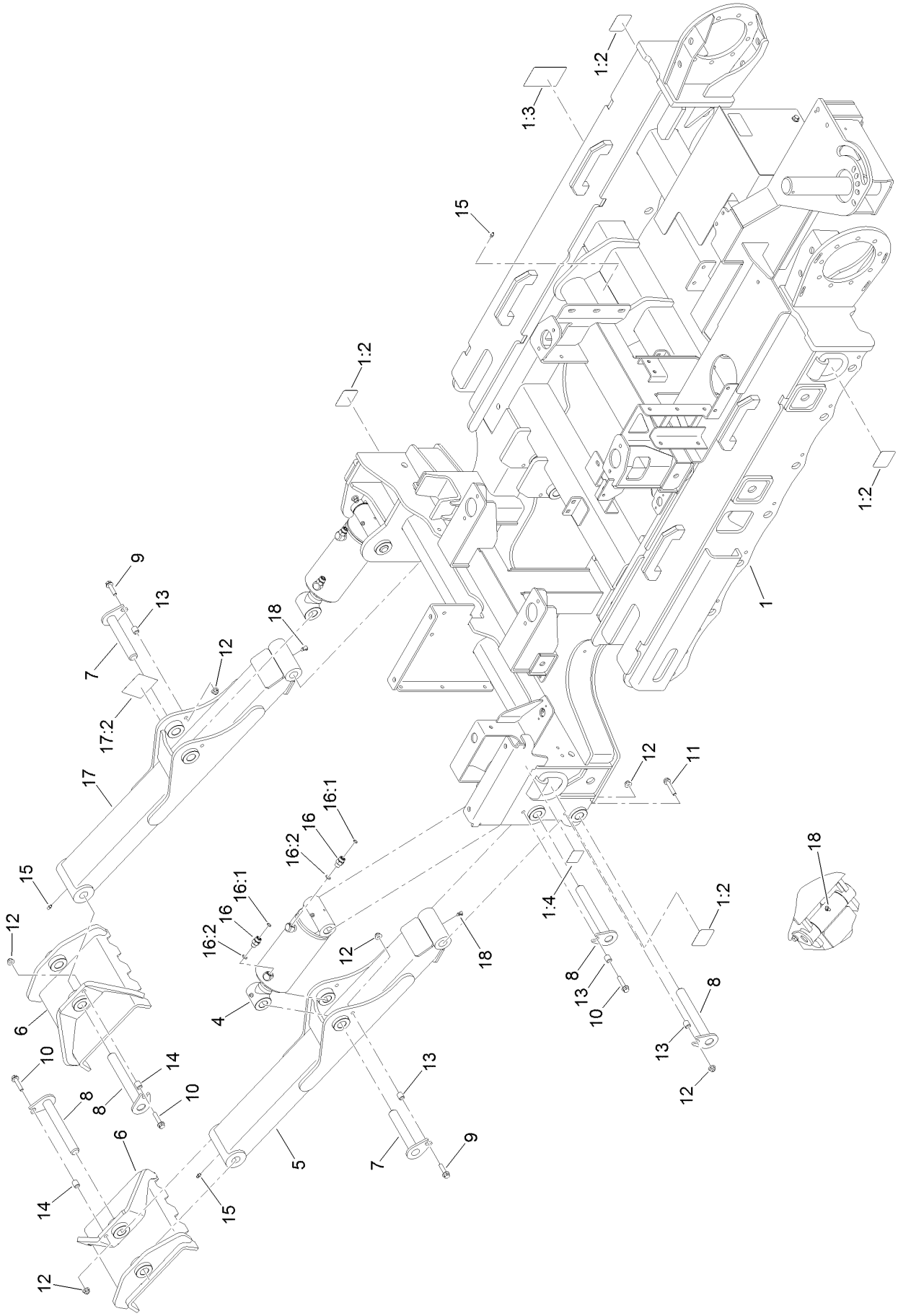
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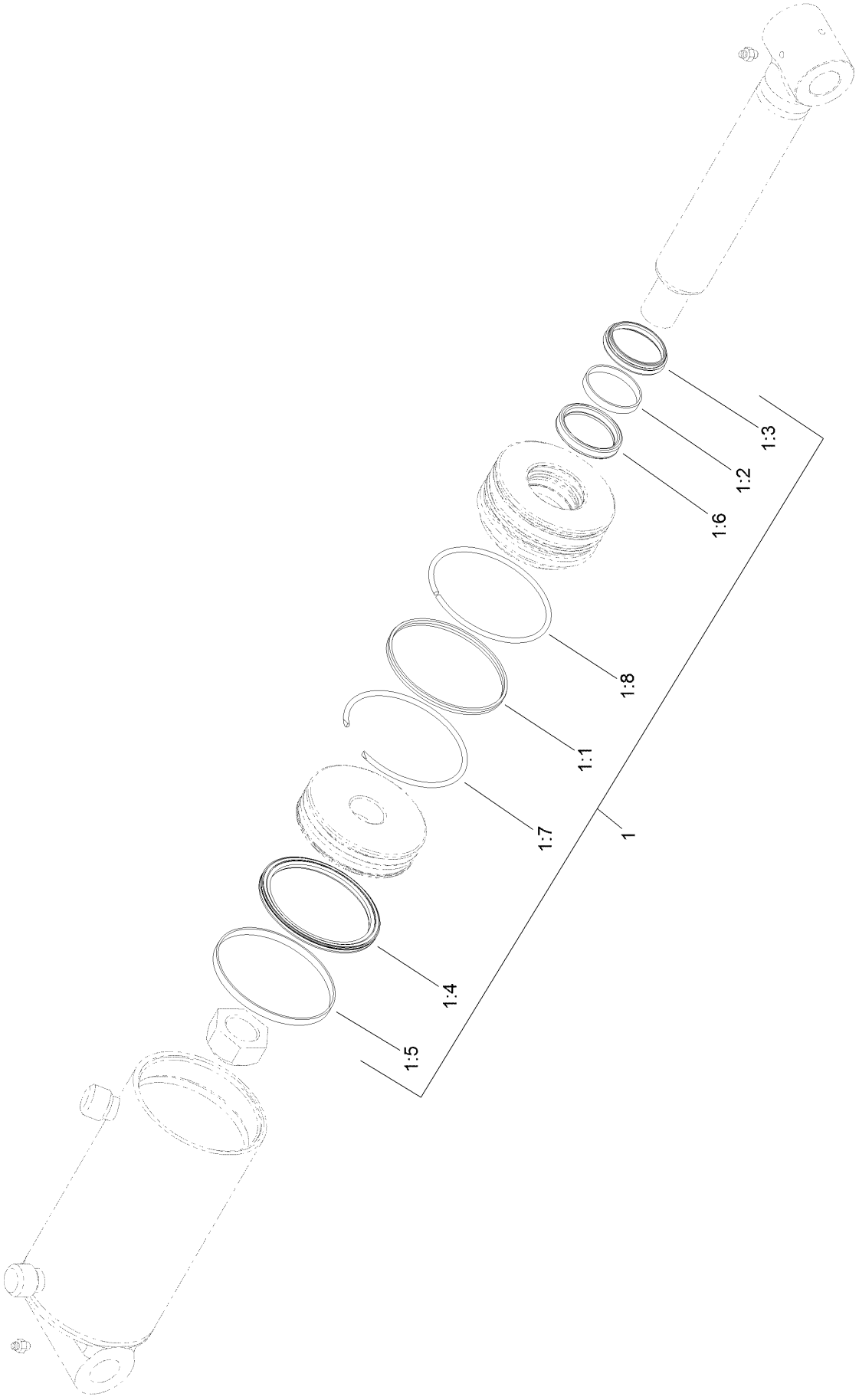
Frame Assembly



Frame Assembly (continued)

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

Hydraulic Cylinder Assembly No. 133-6138

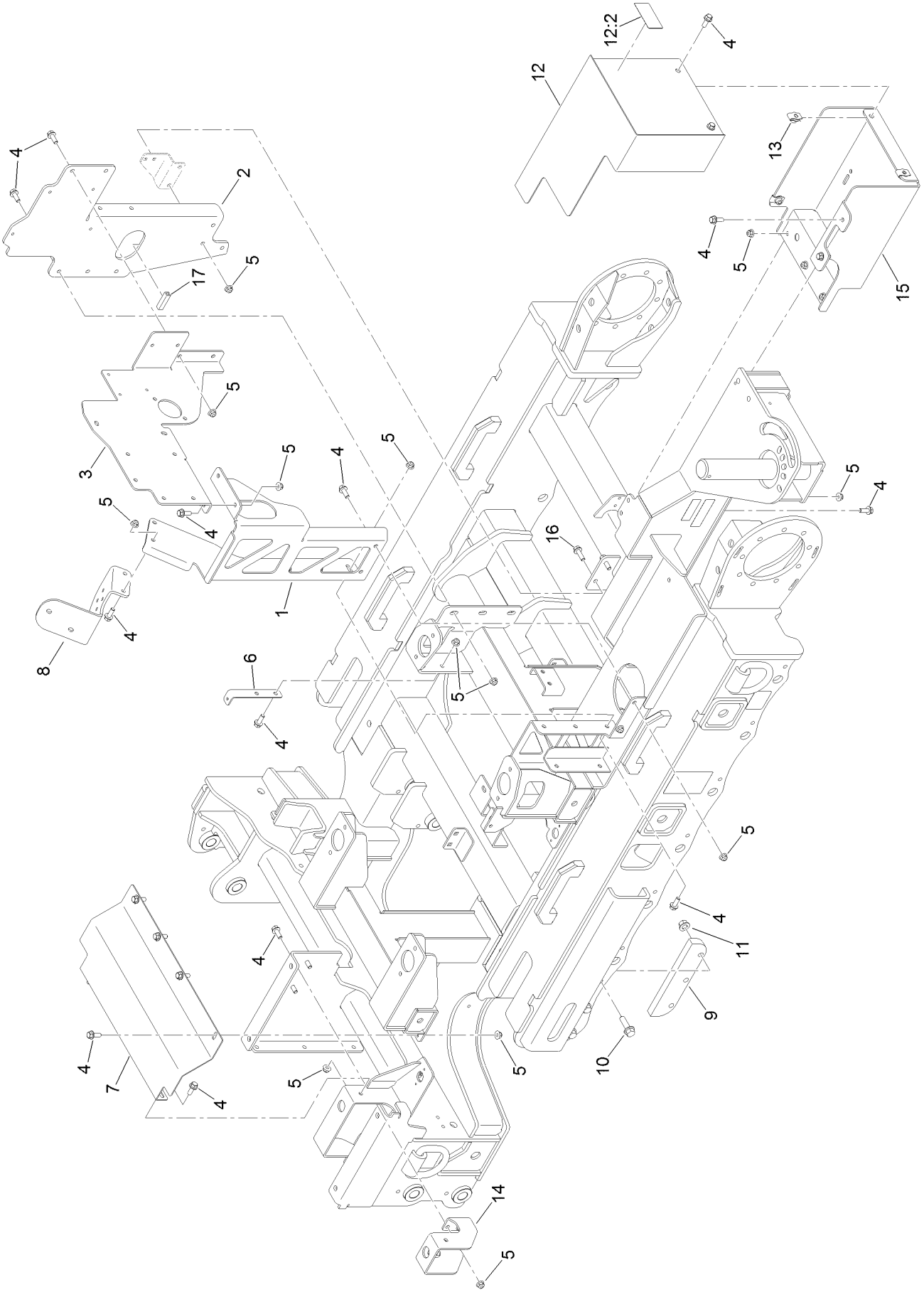


Hydraulic Cylinder Assembly No. 133-6138 (continued)

Ref.	Part Number	Qty.	Description
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 ●
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

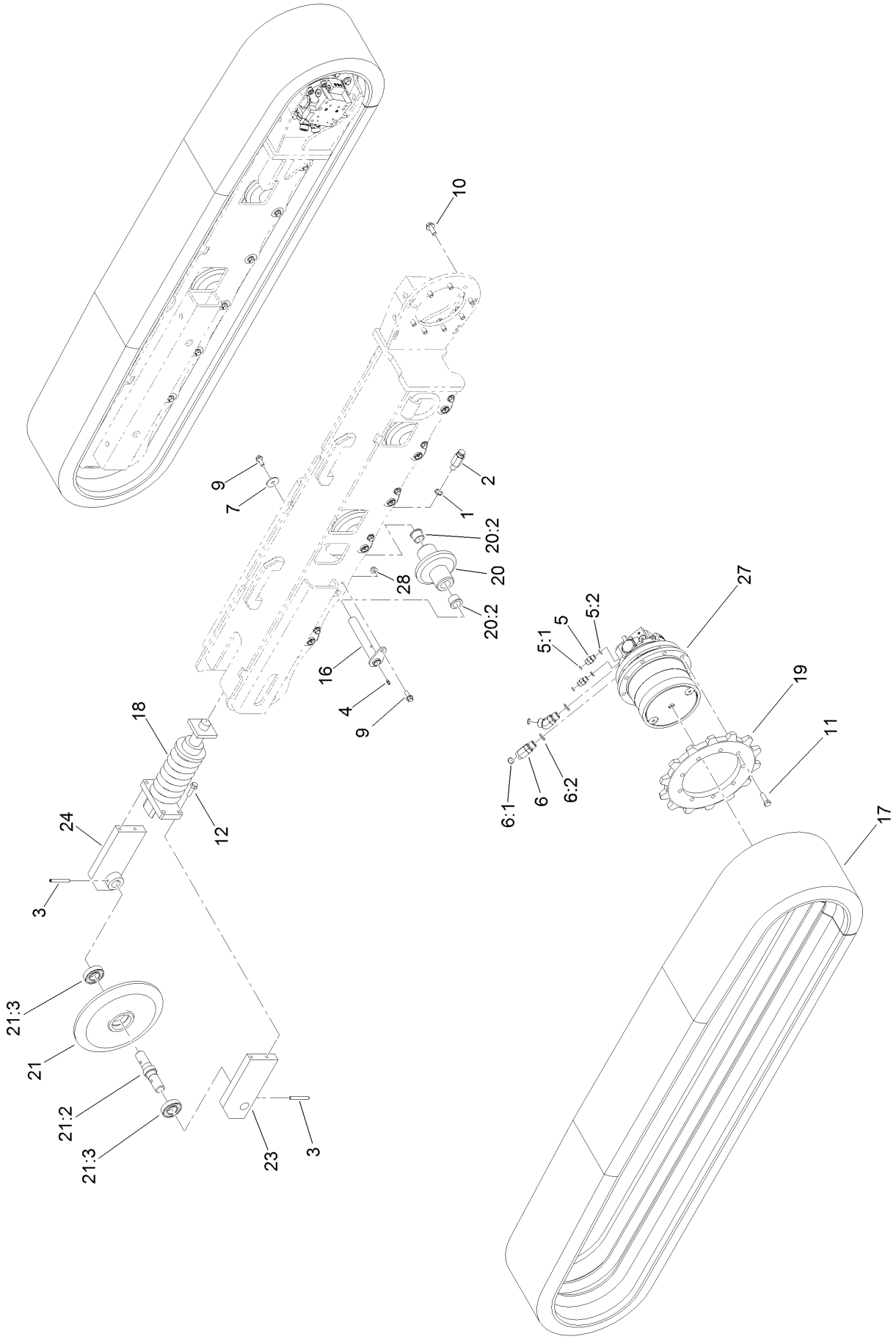
Main Frame Assembly No. 131-0128



Main Frame Assembly No. 131-0128 (continued)

Ref.	Part Number	Qty.	Description
1	133-9626-03	1	Vertical Support-Panel, Electical
2	136-6818-03	1	Plate-Mount, Ecu
3	137-8370-03	1	Panel-Electrical, Front
4	3234-42	35	Screw-HHF
5	104-8301	34	Nut-HF, NI
6	122-1008	1	Bracket-Clip, Harness
7	136-1553-03	1	Plate-Recirculation
8	133-9479-03	1	Plate-Mount, Top
9	136-6014-03	4	Plate-Tensioner, Slider
10	130-6481	12	Screw-HHF
11	99-5107	12	Nut-Lock
12	137-5293	1	Cover-Battery
12:2	125-8473	1	Decal-Warning, Battery
13	105-4886	3	Nut-Tinnerman
14	136-6015-03	1	Gusset-Track
15	137-1770-03	1	Cover-Battery, Lower
16	119-4061	2	Screw-HHF
17	70-2040	1	Trim

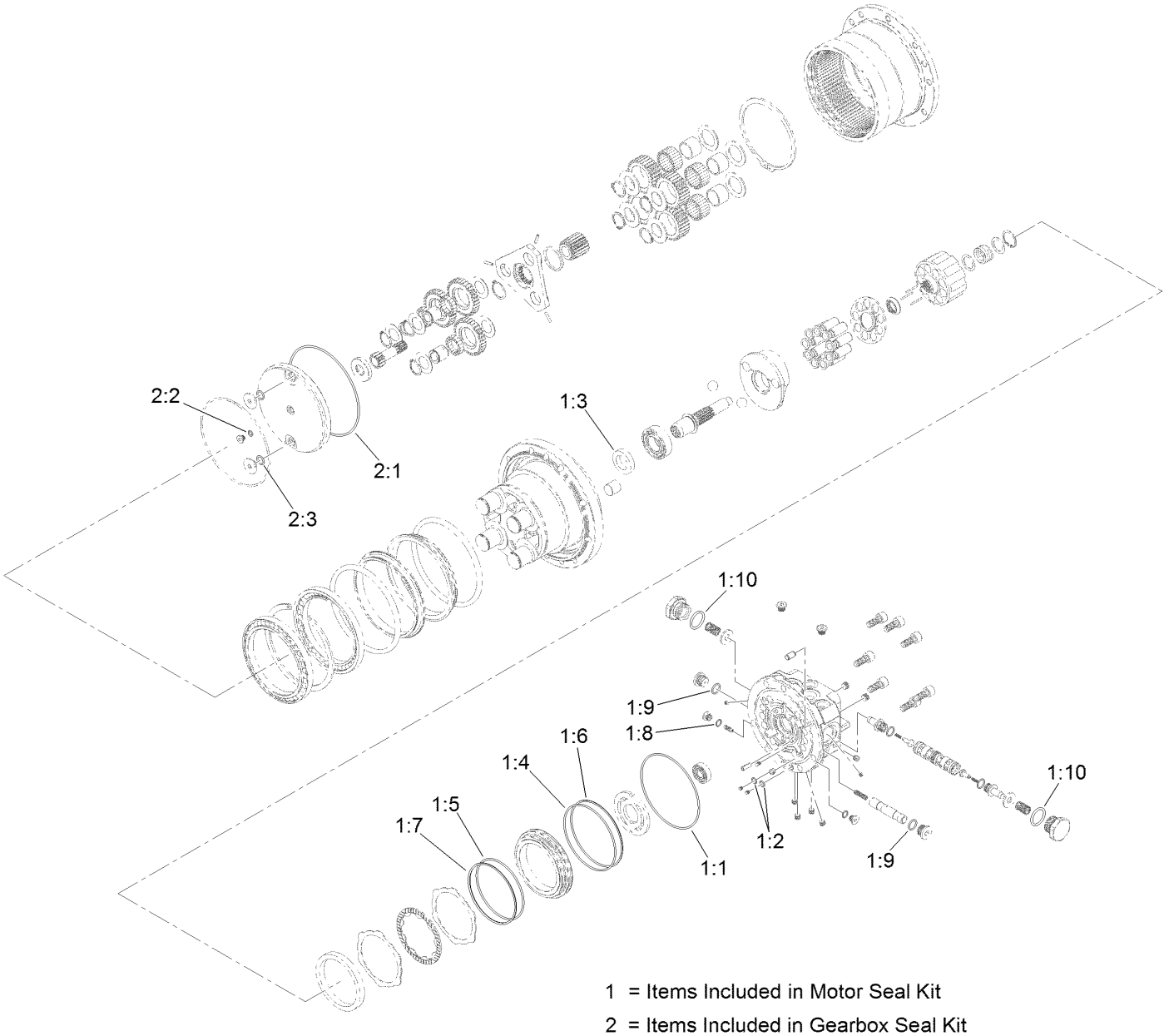
Track Assembly



Track Assembly (continued)

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

Planetary Gearbox Assembly No. AU8GB85014



1 = Items Included in Motor Seal Kit

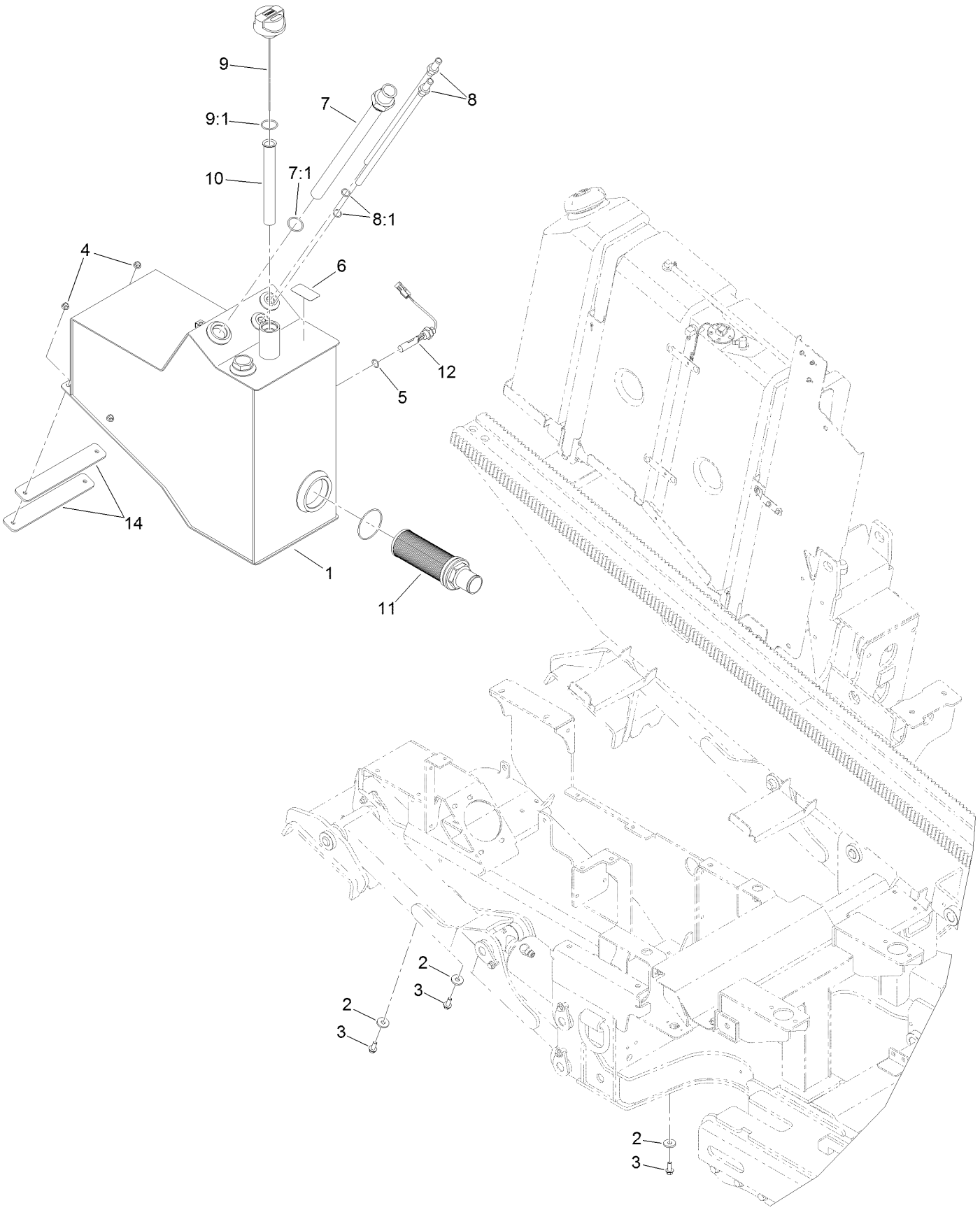
2 = Items Included in Gearbox Seal Kit

Planetary Gearbox Assembly No. AU8GB85014 (continued)

Ref.	Part Number	Qty.	Description
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 ●
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

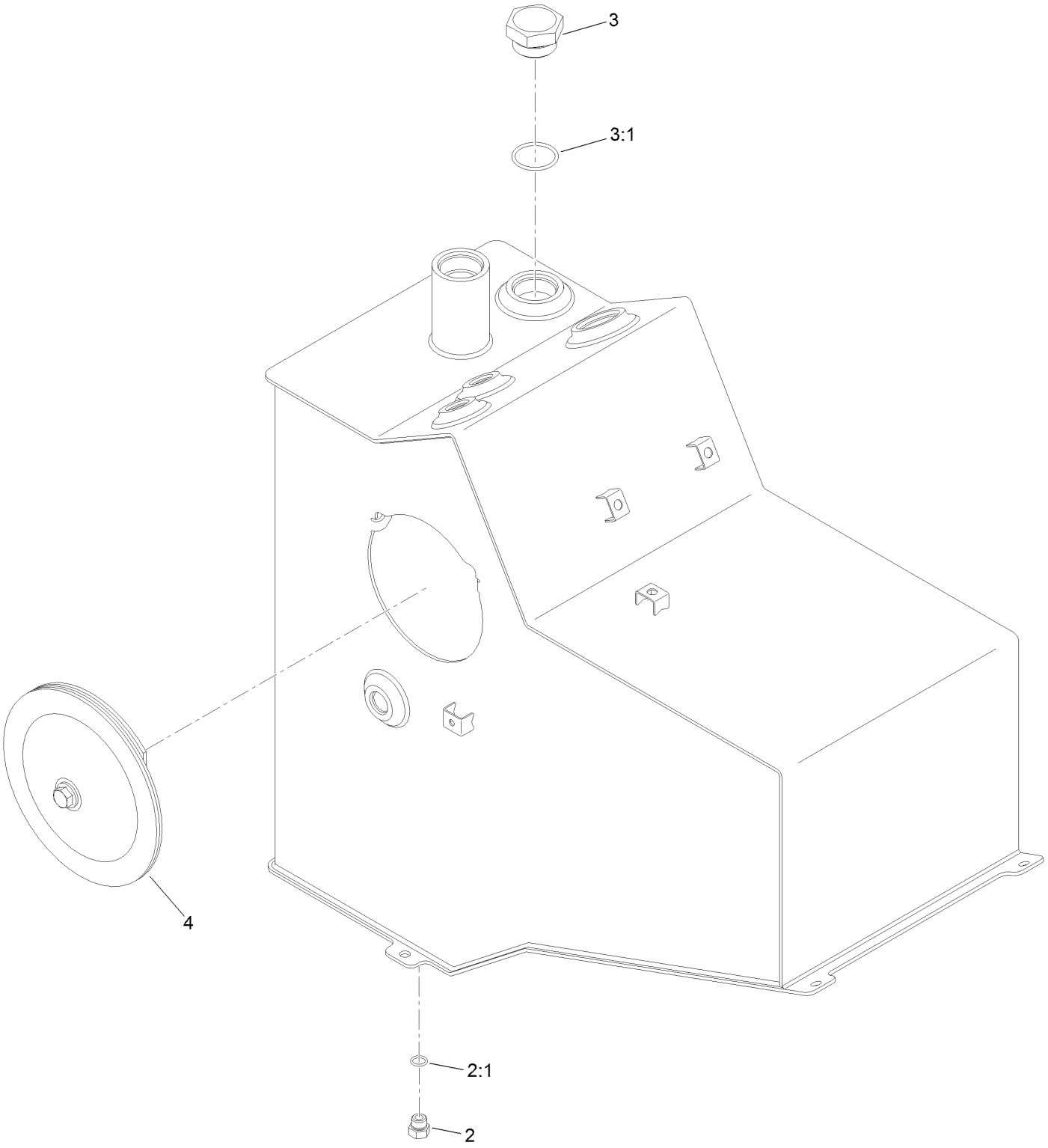
Hydraulic Fuel Tank and Fitting Assembly



Hydraulic Fuel Tank and Fitting Assembly (continued)

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

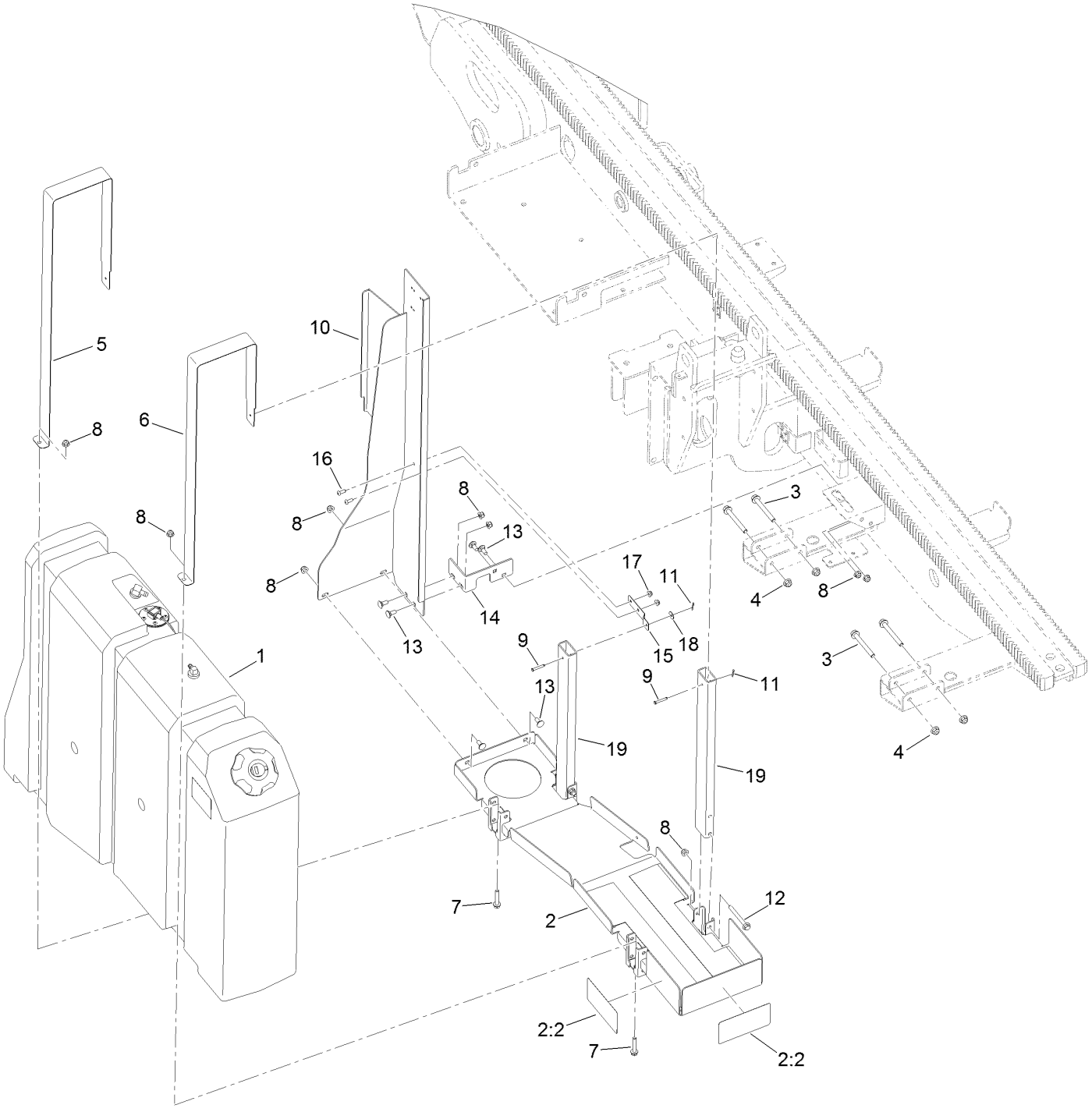
Hydraulic Tank Assembly No. 136-6052



Hydraulic Tank Assembly No. 136-6052 (continued)

Ref.	Part Number	Qty.	Description
2	353-508	1	Plug-HH
2:1	237-42	1	O-Ring
3	108-8468	1	Plug-HH
3:1	237-101	1	O-Ring
4	136-6059	1	Cleanout-Tank, Hydraulic

Fuel Tank Assembly

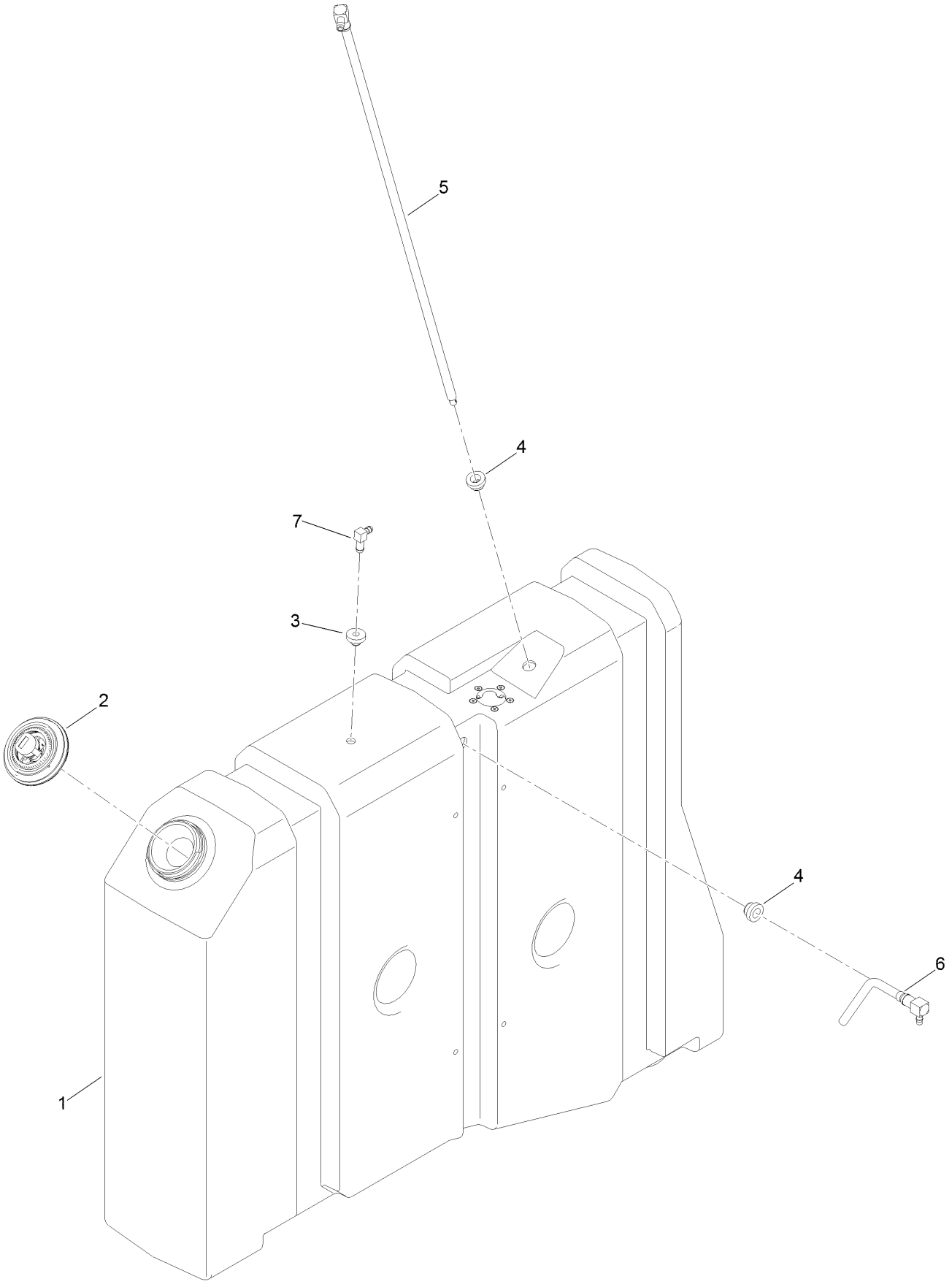


View Rotated 180° for Clarity

Fuel Tank Assembly (continued)

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

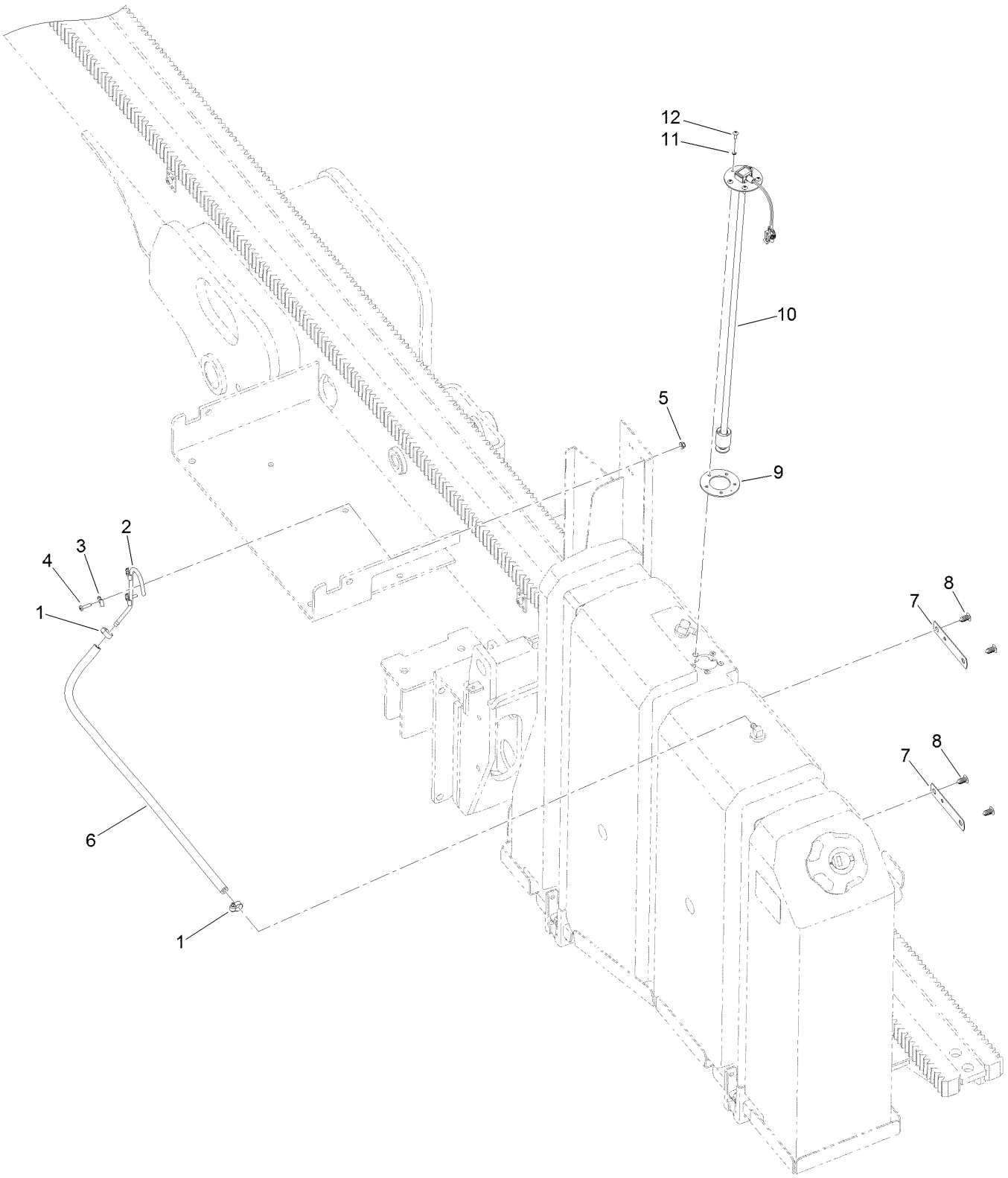
Fuel Tank Assembly No. 136-1572



Fuel Tank Assembly No. 136-1572 (continued)

Ref.	Part Number	Qty.	Description
1	133-9449	1	Tank-Fuel
2	126-4107	1	Cap-Fuel, Locking
3	46-6560	1	Bushing
4	104-0790	2	Bushing
5	136-6853	1	Pipe-Stand, Fuel
6	136-6854	1	Pipe-Stand, Return
7	46-6550	1	Fitting-Elbow, 90 DEG

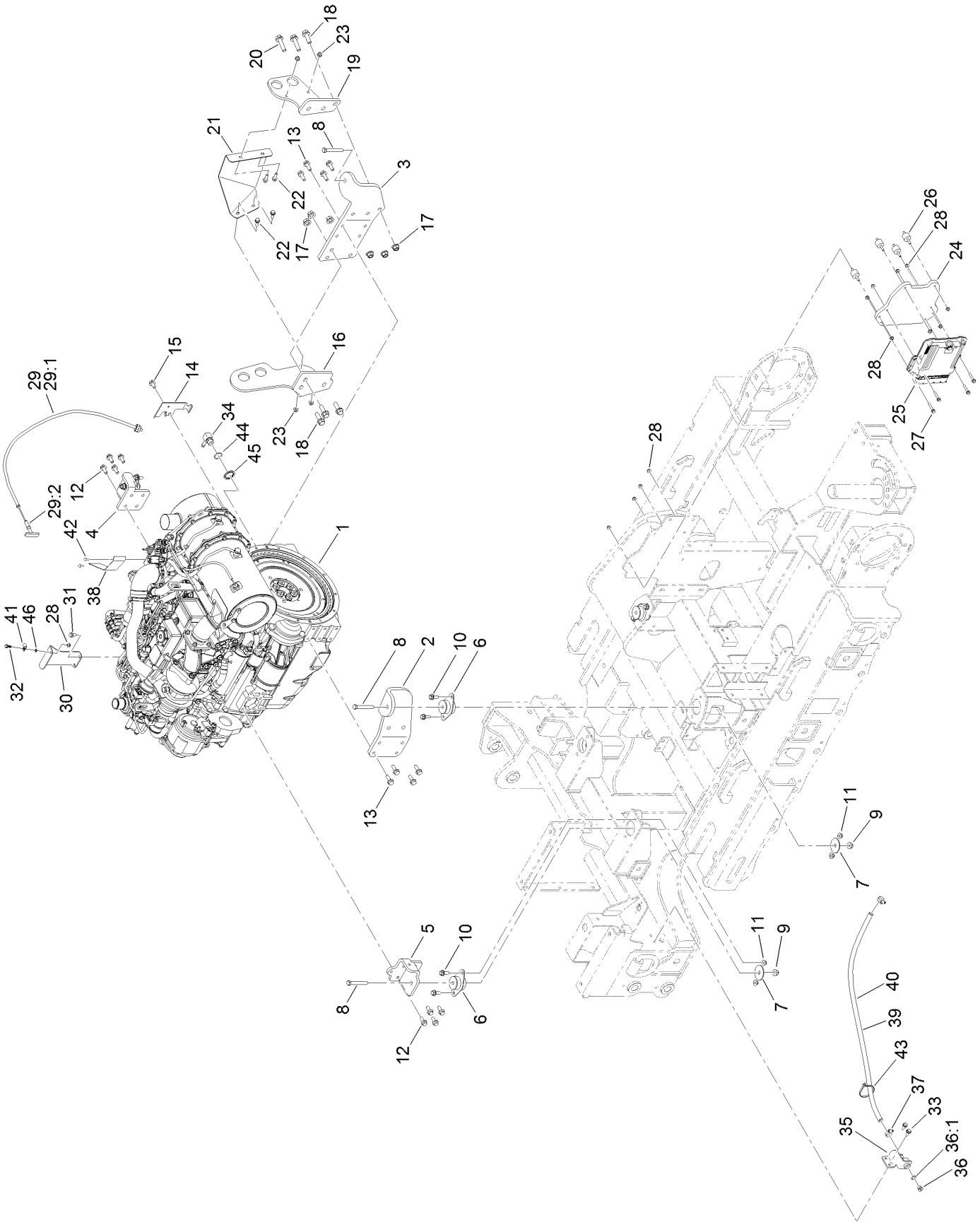
Fuel Tank Fitting Assembly



Fuel Tank Fitting Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

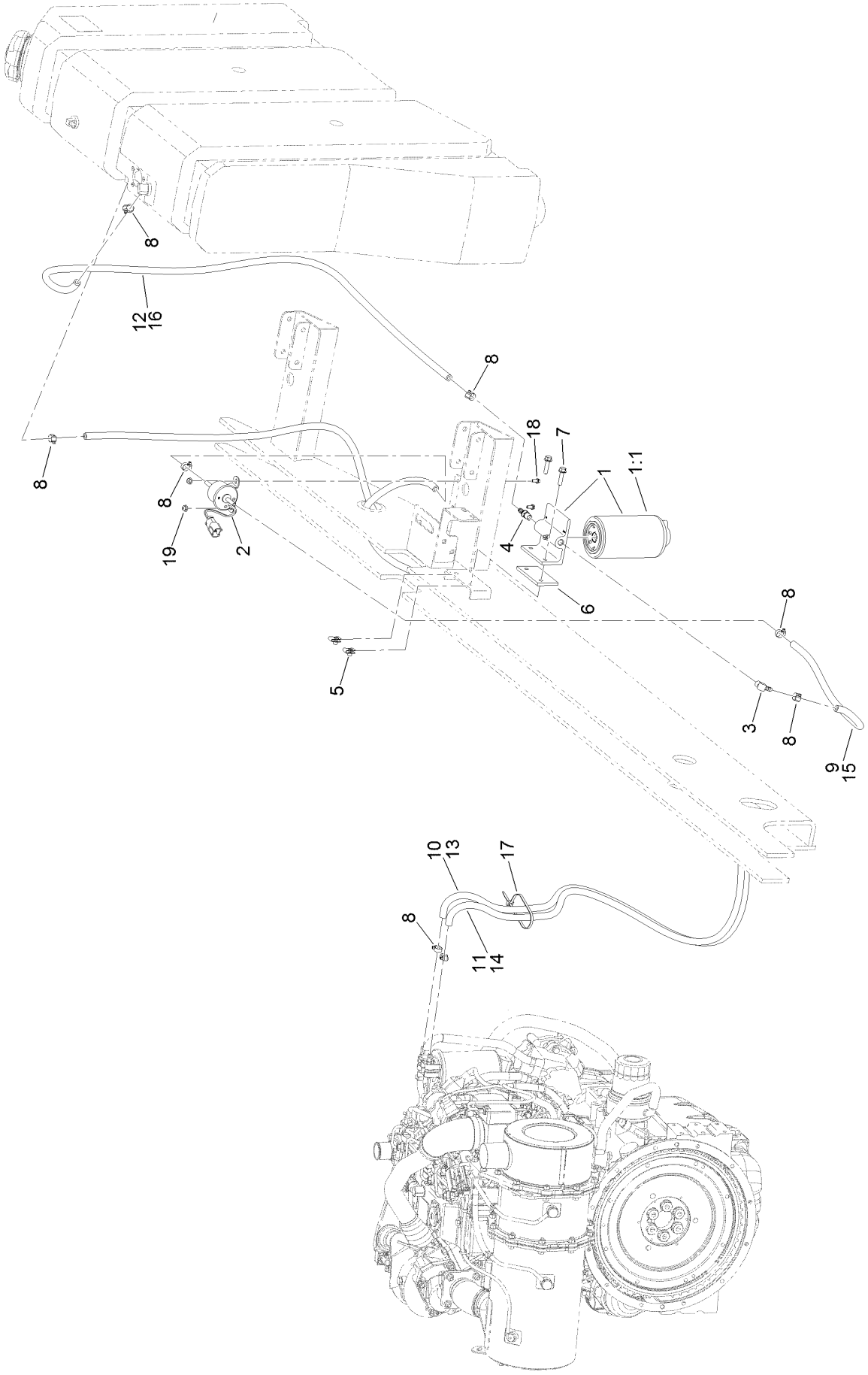
Engine and Mounting Assembly



Engine and Mounting Assembly (continued)

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

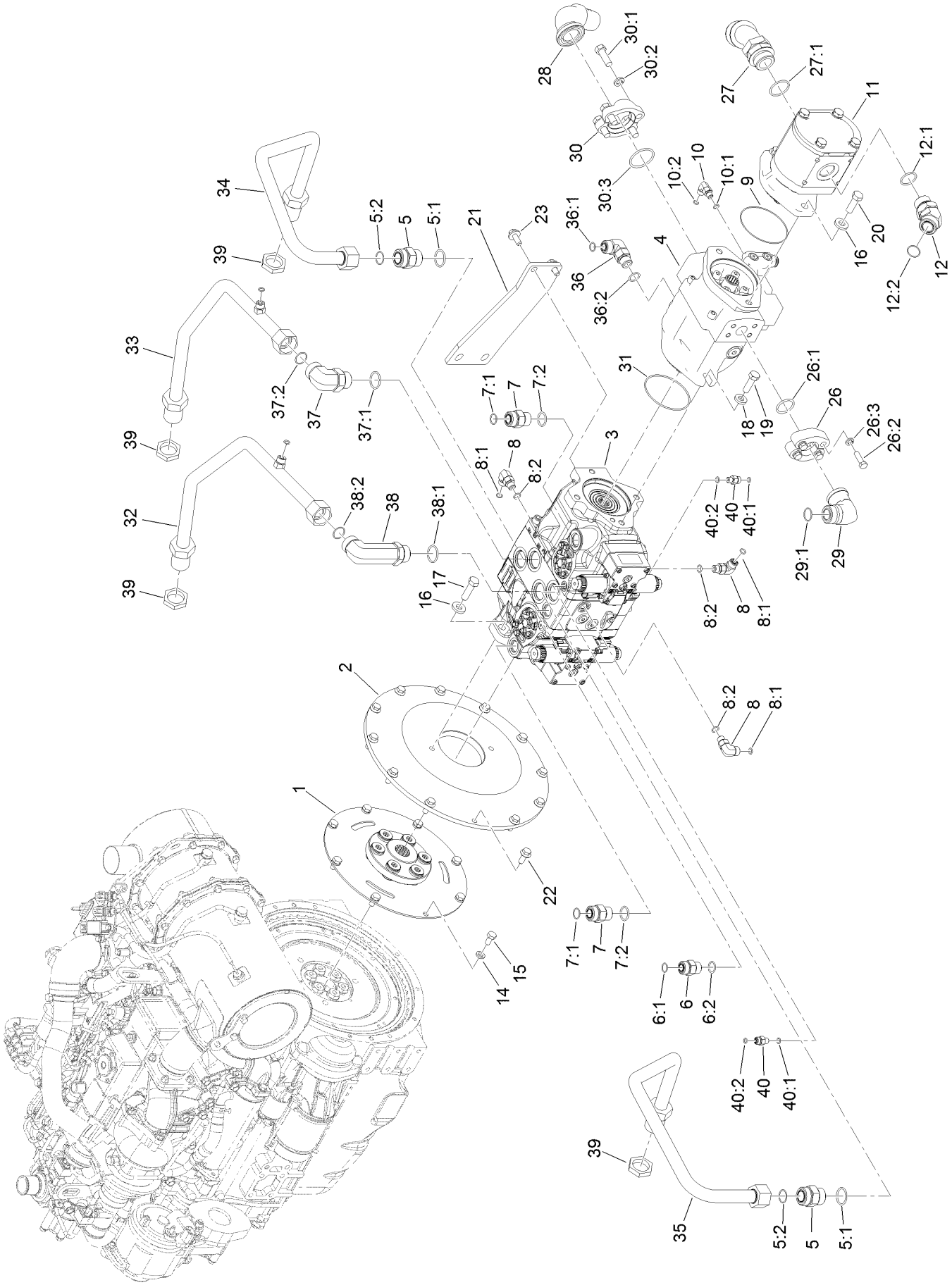
Fuel Pump Assembly



Fuel Pump Assembly (continued)

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

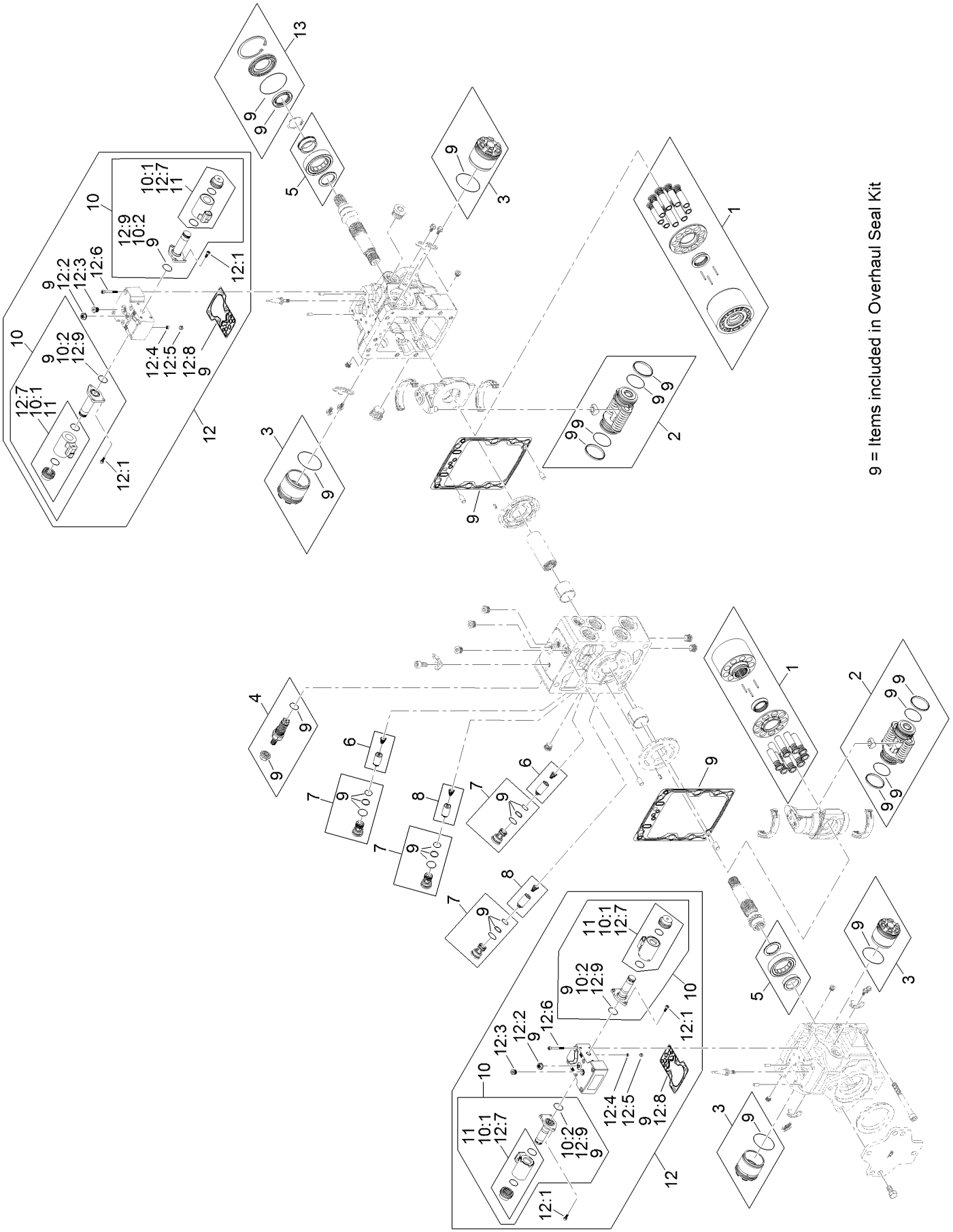
Hydraulic Pump Assembly



Hydraulic Pump Assembly (continued)

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

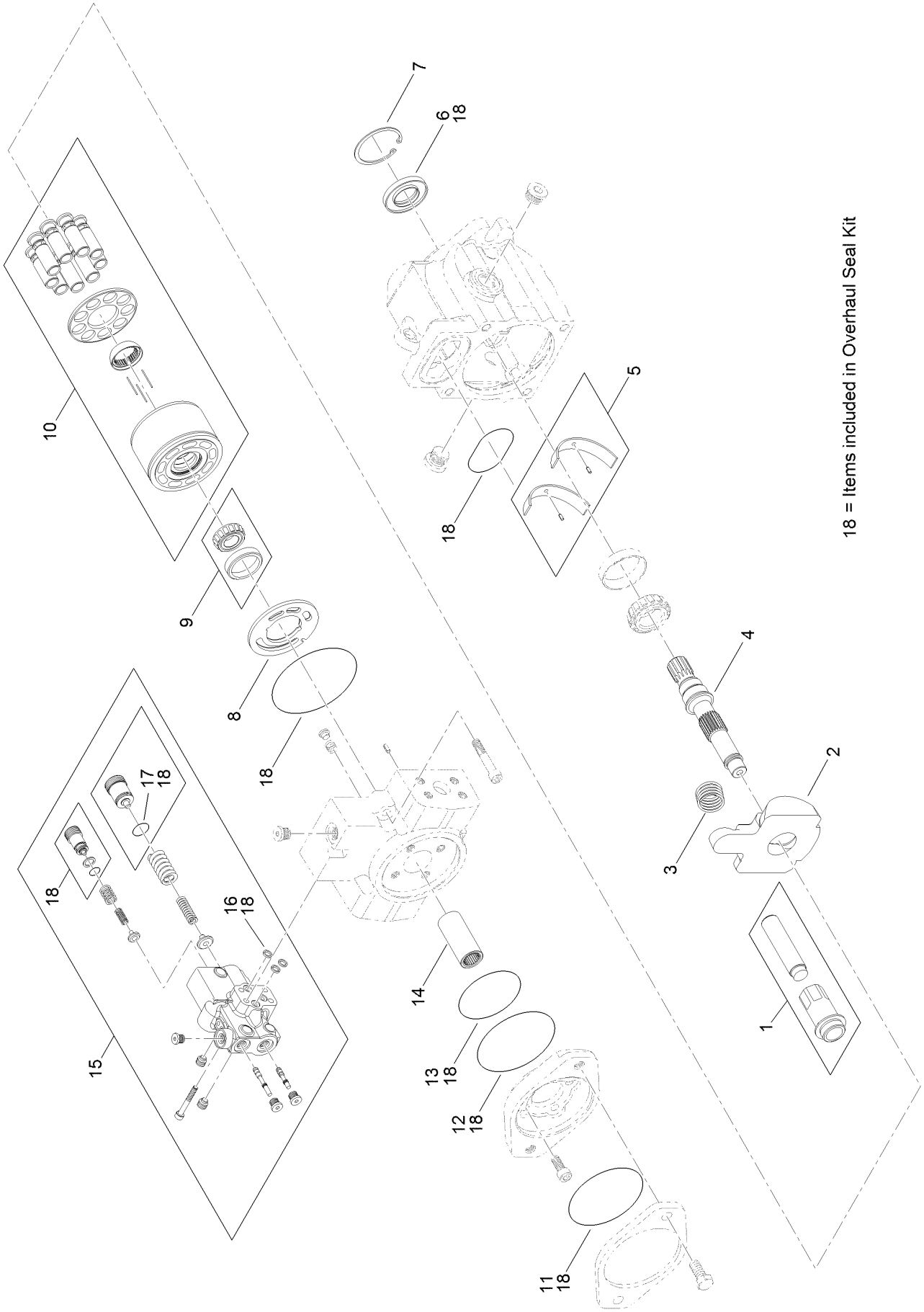
Hydraulic Tandem Pump Assembly No. 131-8949



Hydraulic Tandem Pump Assembly No. 131-8949 (continued)

Ref.	Part Number	Qty.	Description
1	136-4995	2	Cylinder Block Kit
2	121-1725	2	Servo Piston ASM
3	136-4996	4	Servo Cylinder ASM
4	136-8296	1	Charge Relief Valve Kit
5	125-5279	2	Bearing-Roller
6	136-4998	2	Scr Valve ASM (330 Bar)
7	136-4999	4	Scr Valve Plug ASM
8	136-8294	2	Scr Valve ASM (230 Bar)
9	136-8295	1	Overhaul Seal Kit
10	131-7636	4	Solenoid Valve ASM
10:1	125-5294	1	Coil Kit
10:2	125-5288	1	O-Ring
11	125-5294	4	Coil Kit
12	125-5295	2	Control Kit (12 Volt)
12:1	125-5272	6	Screw
12:2	125-5273	1	Nut-Seal
12:3	125-5302	1	Plug
12:4	125-5266	1	Screen
12:5	125-5269	1	Ring-Locking
12:6	125-5274	6	Screw
12:7	125-5294	2	Coil Kit
12:8	125-5283	1	Gasket-Control
12:9	125-5288	2	O-Ring
13	121-1729	1	Shaft Seal Kit

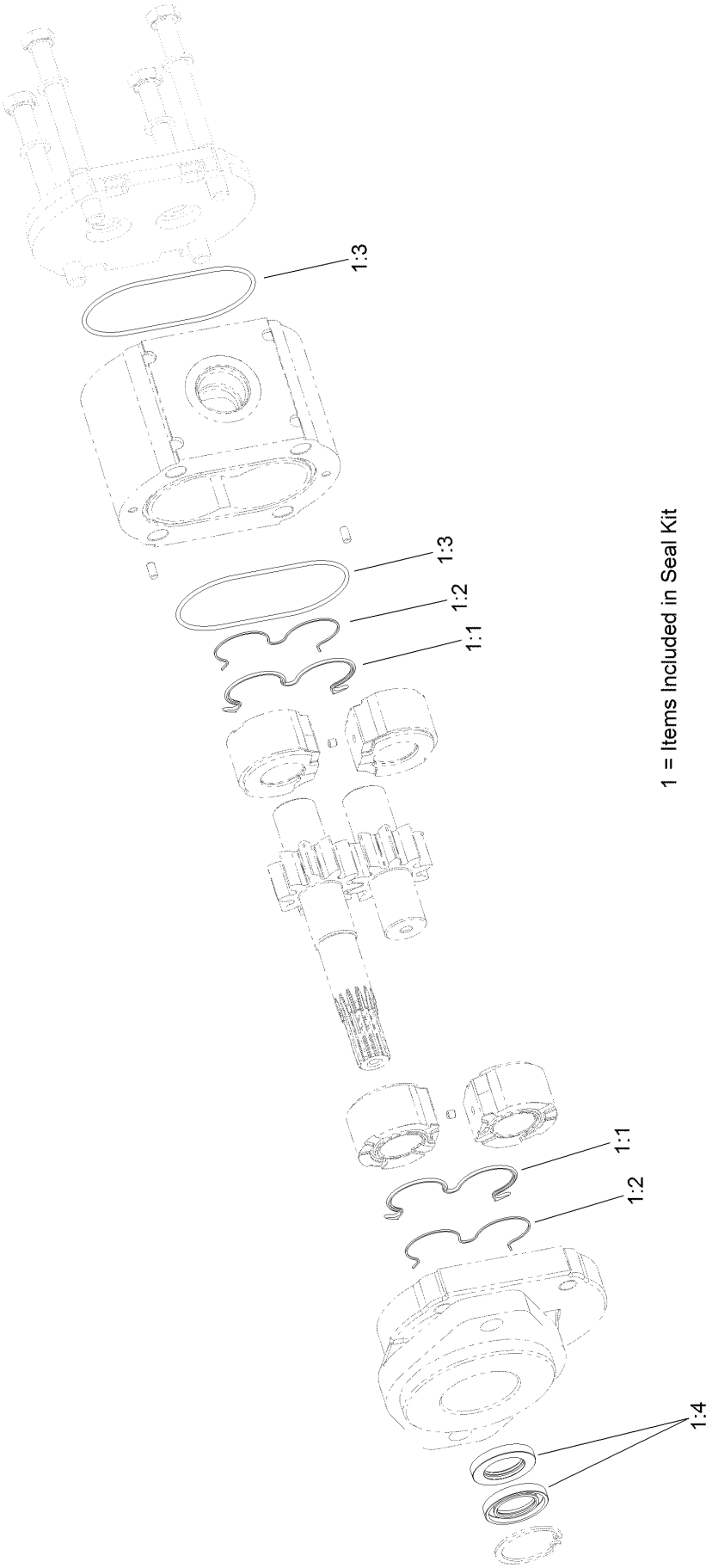
Hydraulic Pump Assembly No. 131-8948



Hydraulic Pump Assembly No. 131-8948 (continued)

Ref.	Part Number	Qty.	Description
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
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

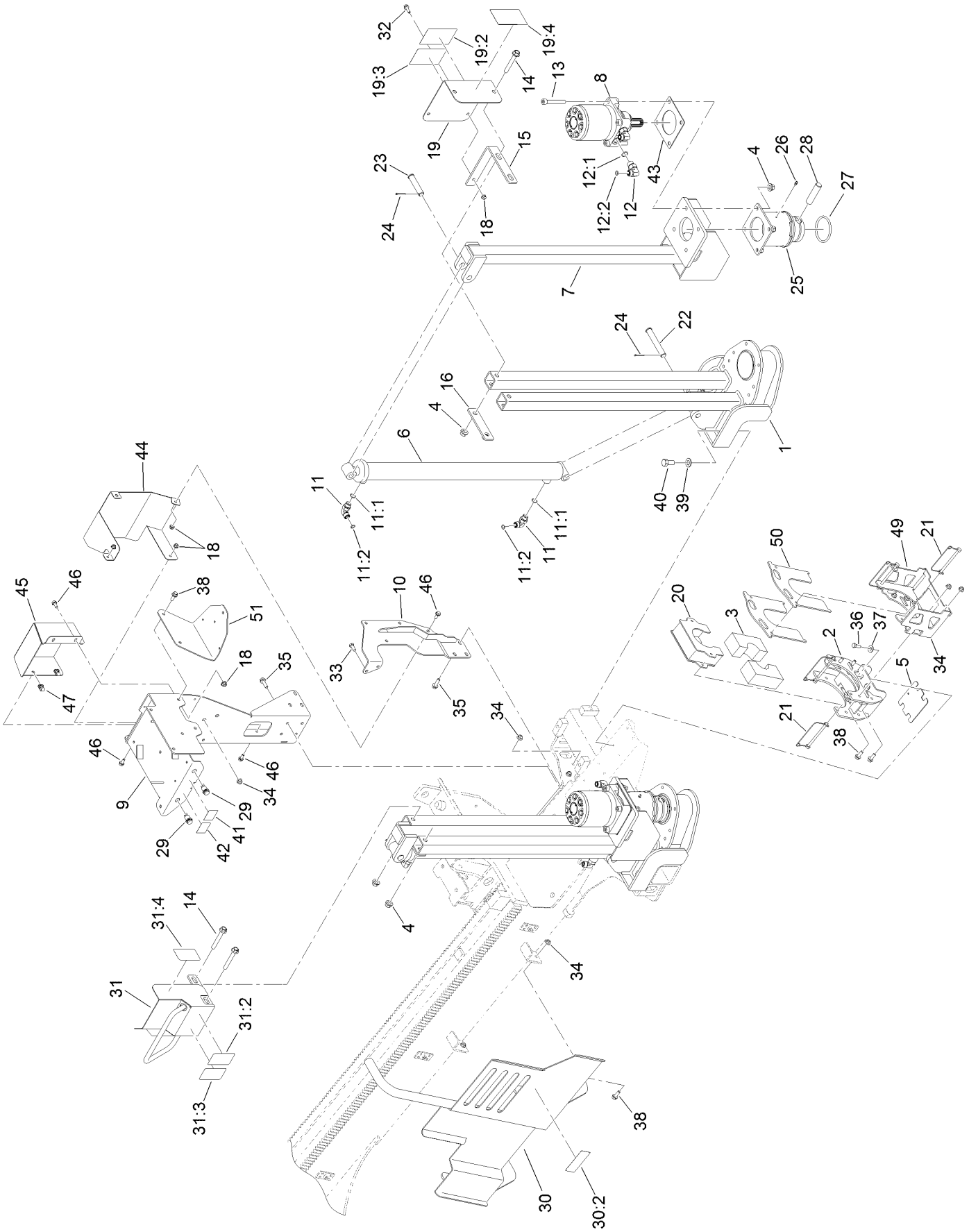


Hydraulic Gear Pump Assembly No. 131-8947 (continued)

Ref.	Part Number	Qty.	Description
1	136-8823	1	Seal Kit
1:1		2	Seal ●
1:2		2	Ring-Antiextrusion ●
1:3		2	Seal-O Ring ●
1:4		2	Seal-Shaft ●

● Not serviced separately

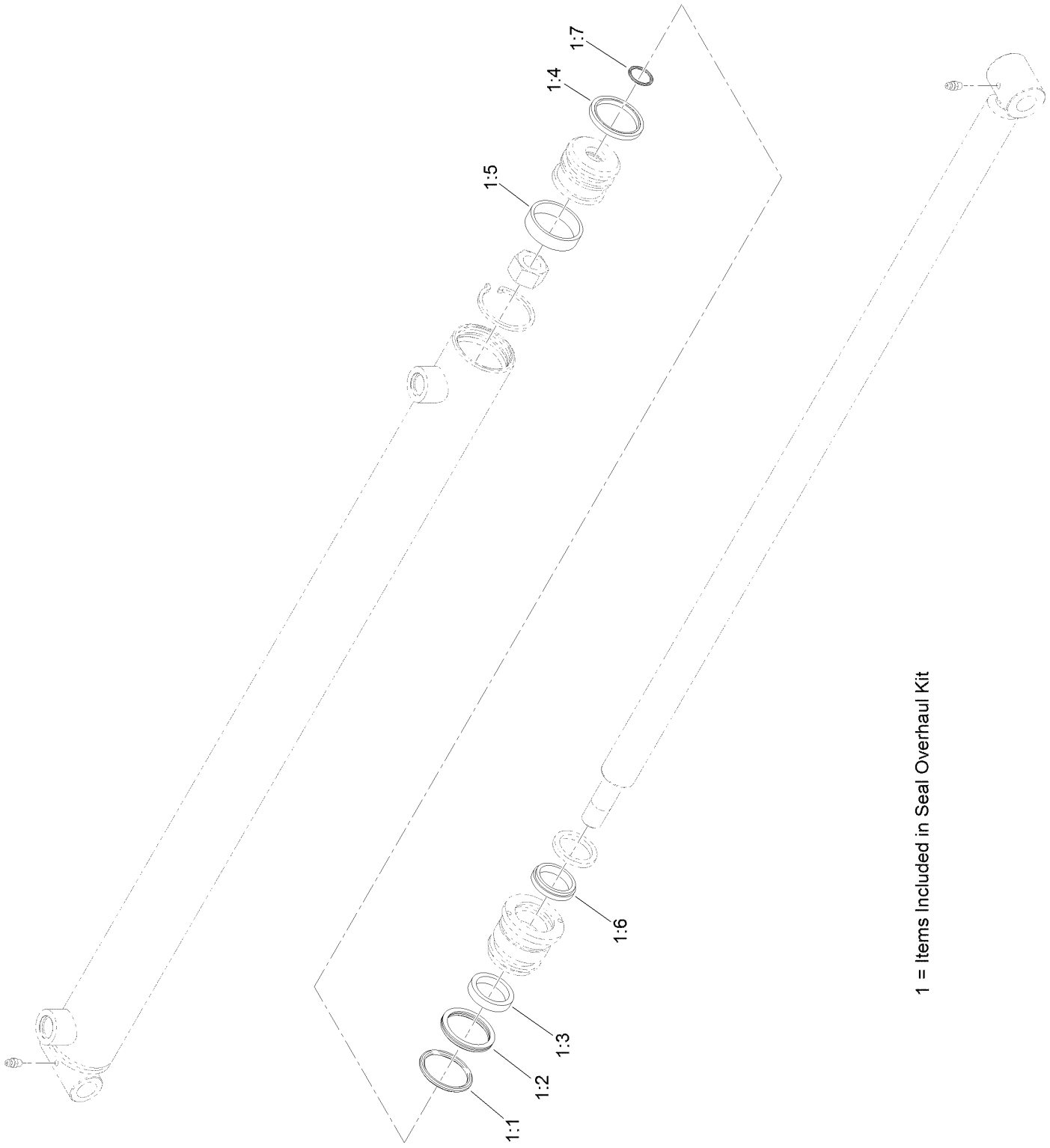
Thrust Frame Assembly



Thrust Frame Assembly (continued)

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

Hydraulic Cylinder Assembly No. 133-5960



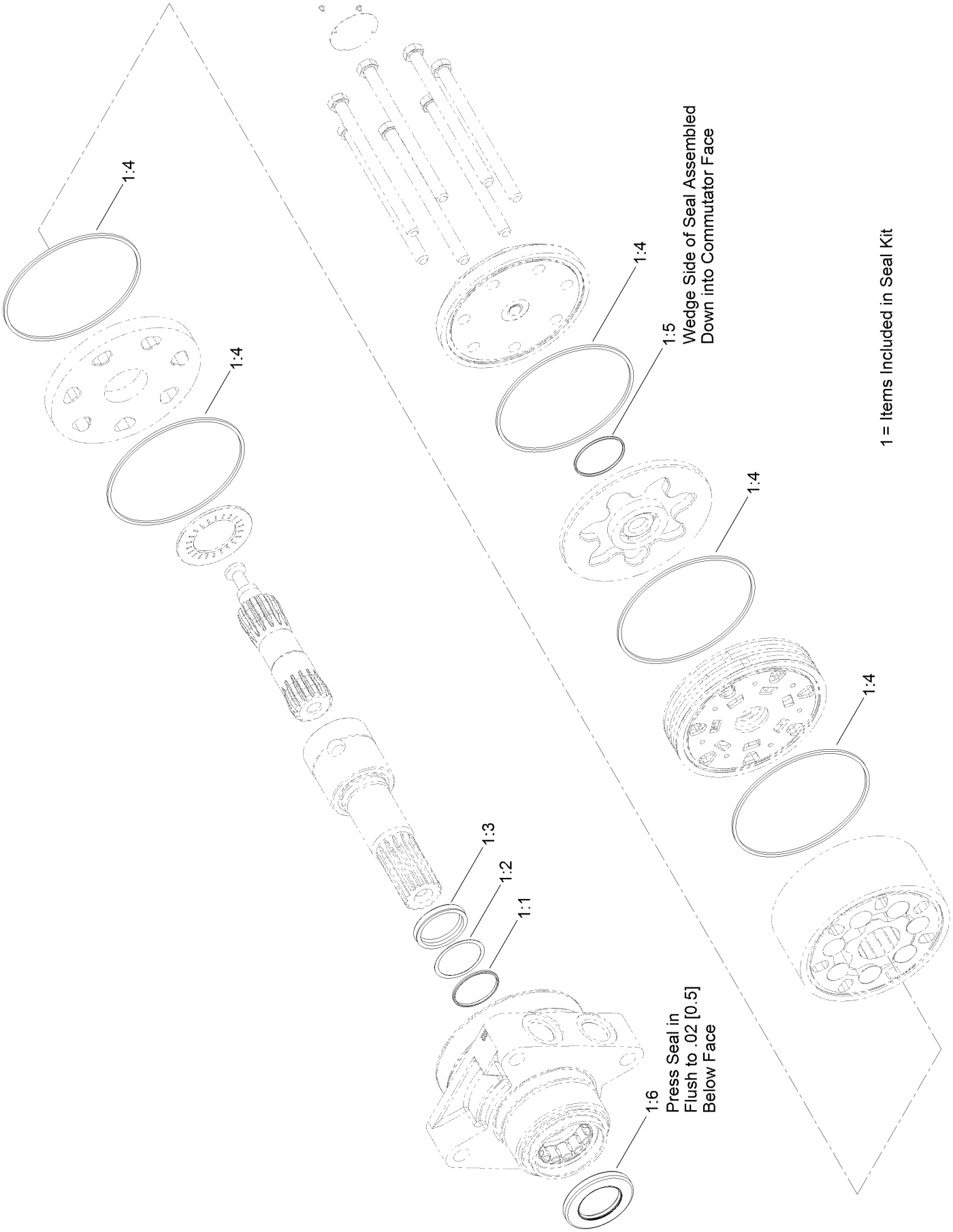
1 = Items Included in Seal Overhaul Kit

Hydraulic Cylinder Assembly No. 133-5960 (continued)

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

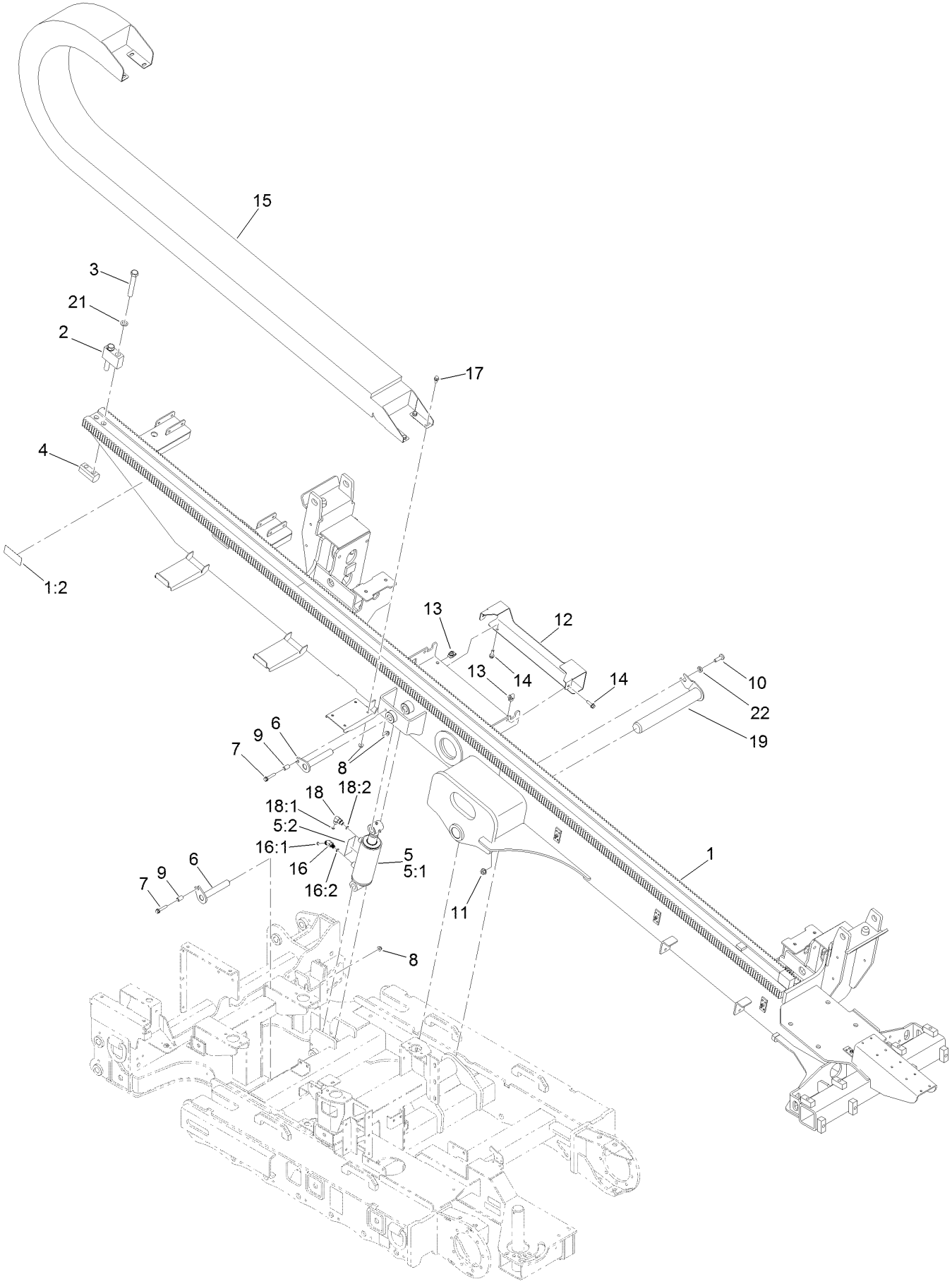


Hydraulic Motor Assembly No. 132-5746 (continued)

Ref.	Part Number	Qty.	Description
1	76-0800	1	Seal Kit
1:1		1	Ring-Back Up ●
1:2		1	Washer-Back Up ●
1:3		1	Seal-Shaft ●
1:4		6	Seal-Ring ●
1:5		1	Seal-Commutator ●
1:6		1	Seal-Dirt And Water ●

● Not serviced separately

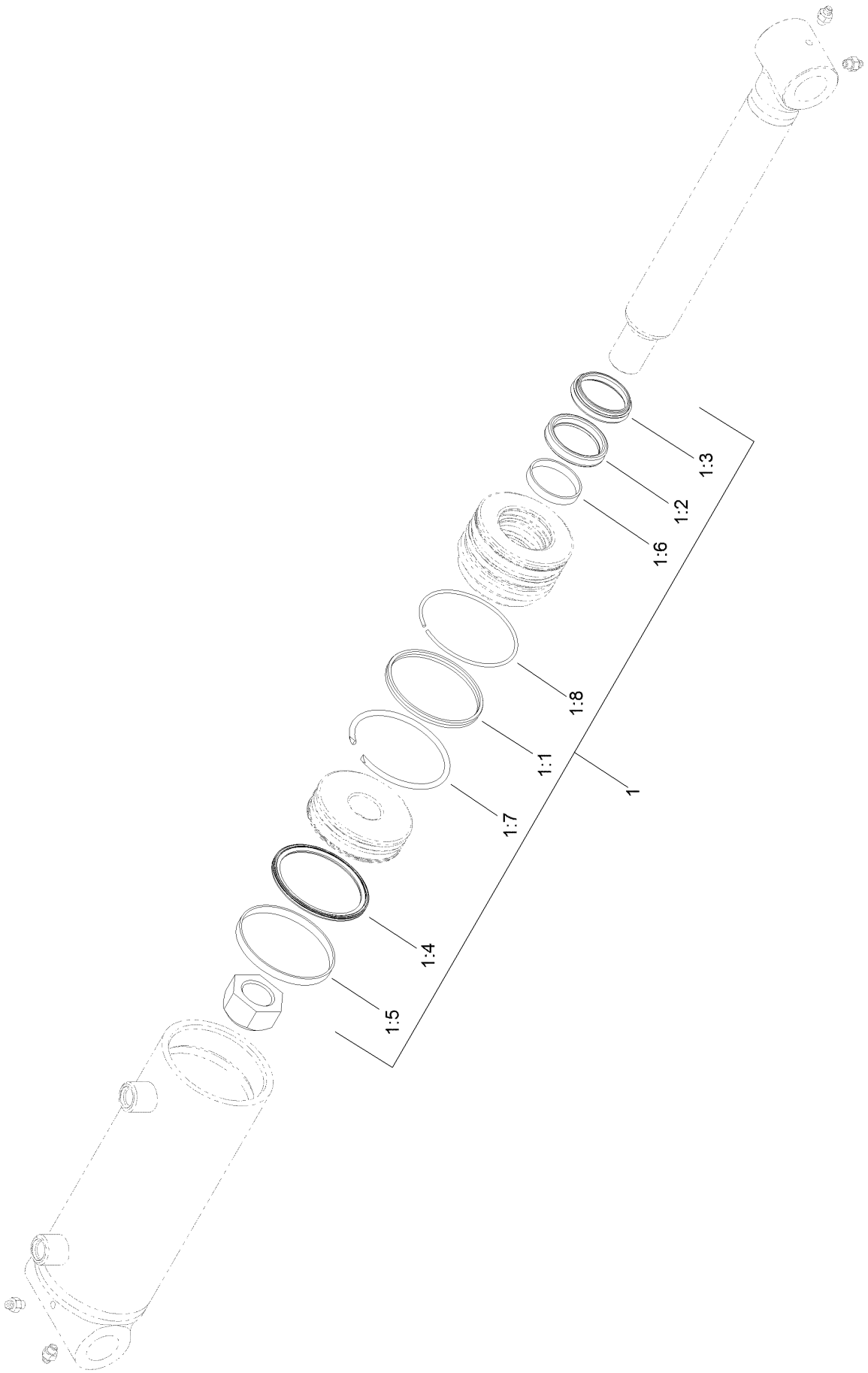
Thrust Frame Hose Carrier Assembly



Thrust Frame Hose Carrier Assembly (continued)

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

Hydraulic Cylinder Assembly No. 133-5958

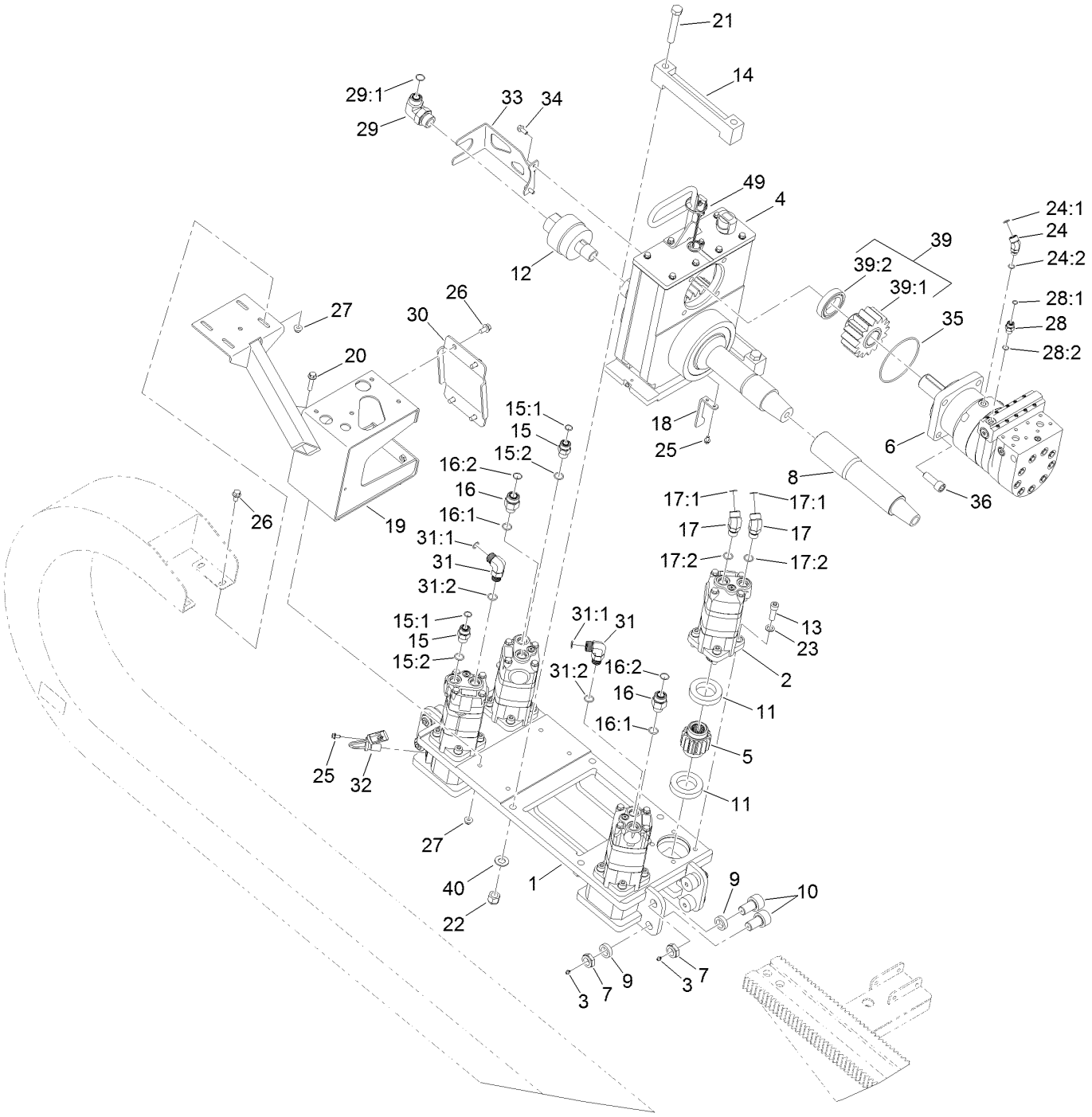


Hydraulic Cylinder Assembly No. 133-5958 (continued)

Ref.	Part Number	Qty.	Description
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 ●
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

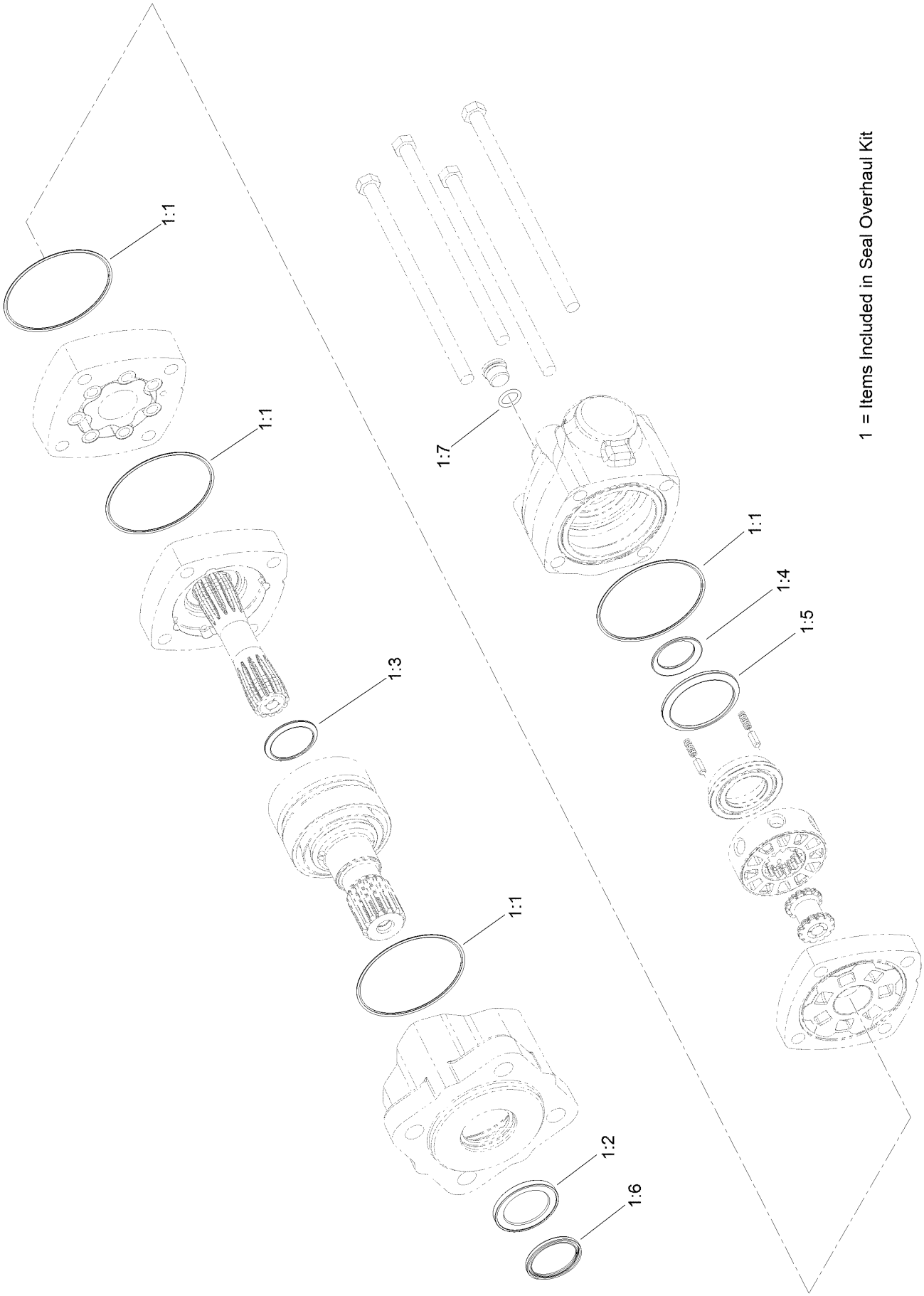


Carriage and Rotary Assembly (continued)

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

● Not serviced separately

Hydraulic Motor Assembly No. 133-6206

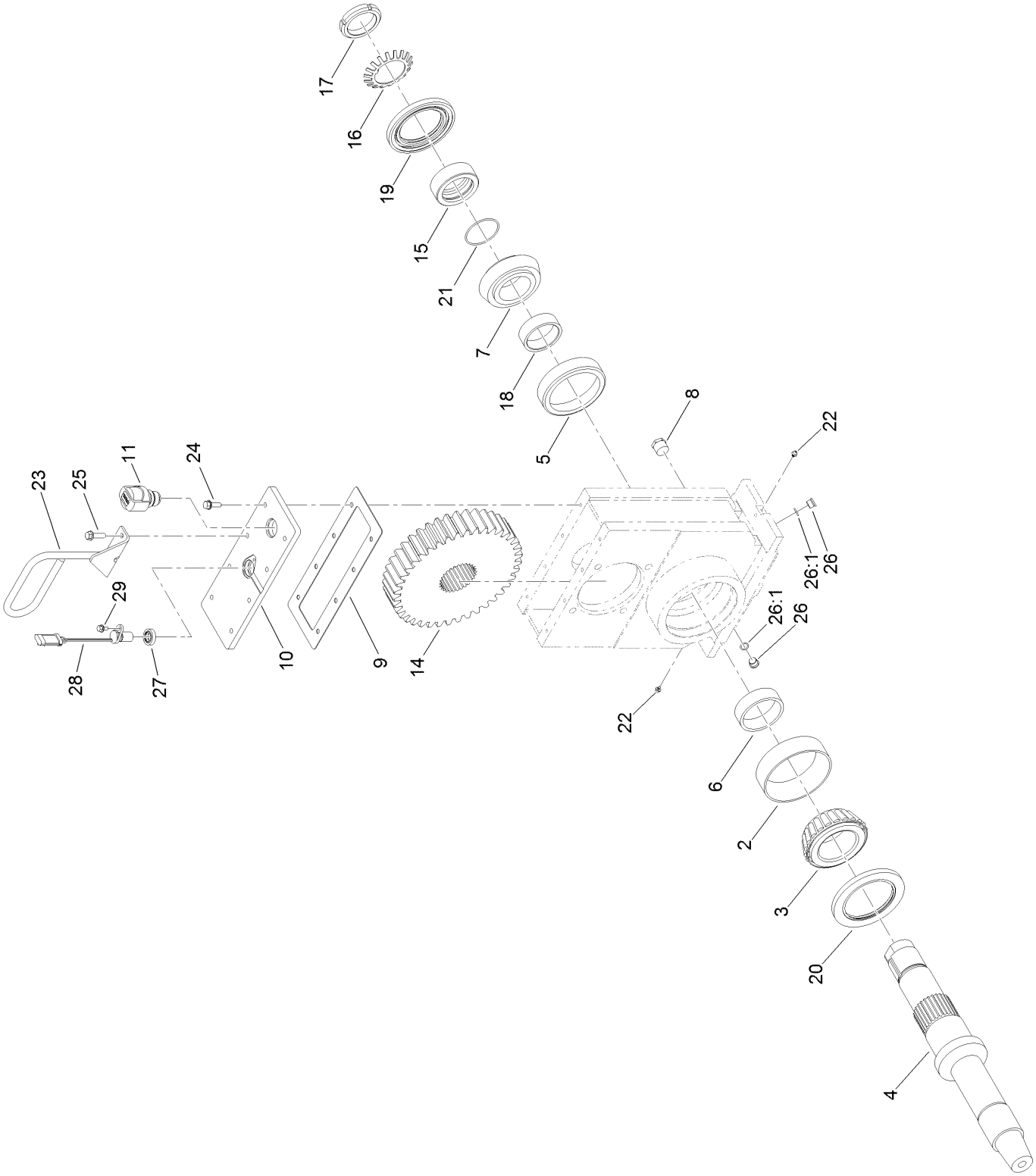


Hydraulic Motor Assembly No. 133-6206 (continued)

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

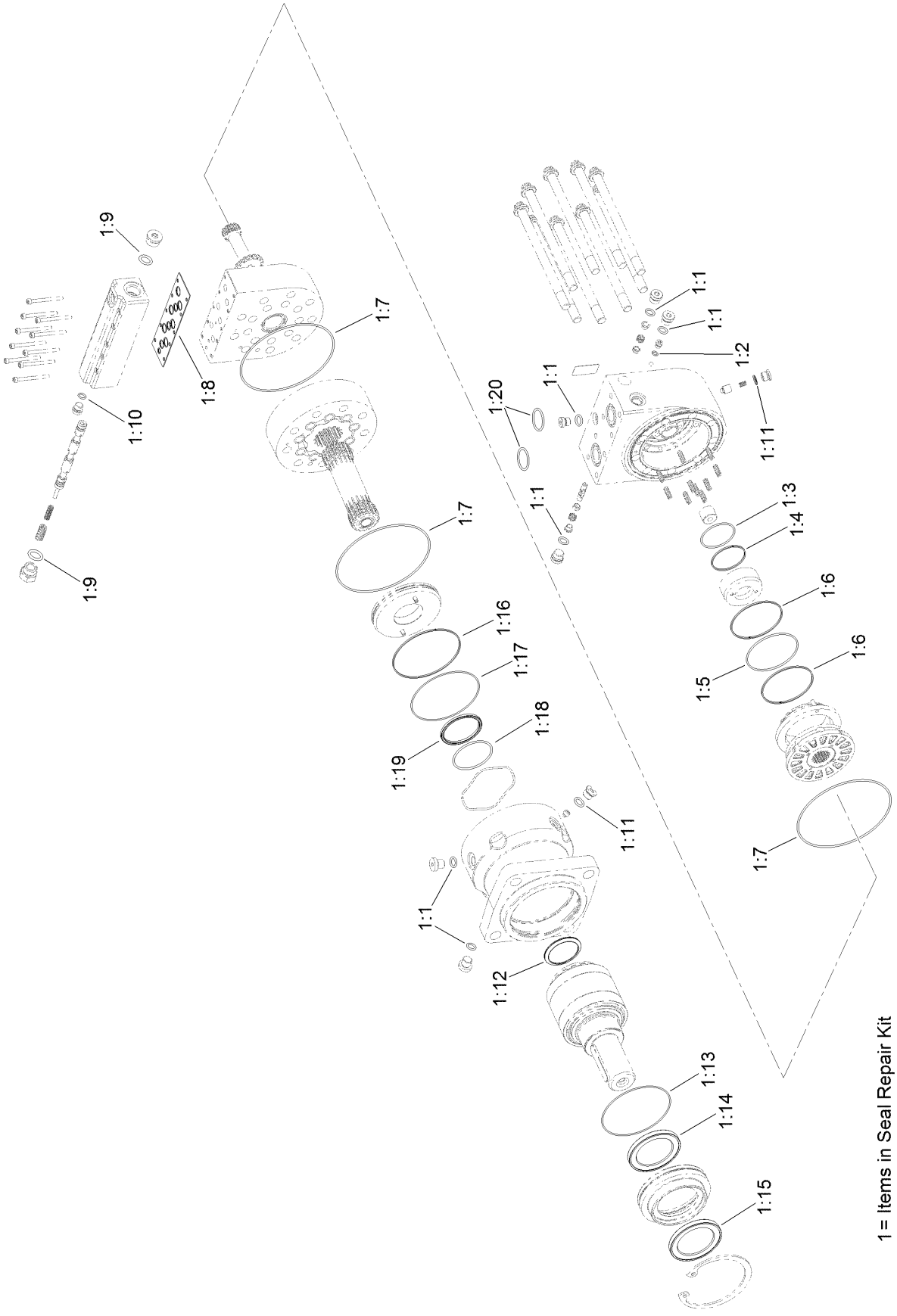
Rotary Gearbox Assembly No. 137-5287



Rotary Gearbox Assembly No. 137-5287 (continued)

Ref.	Part Number	Qty.	Description
2	133-6233	1	Bearing-Cup
3	133-6232	1	Bearing-Cone
4	136-3951	1	Spindle-Rotary
5	AU8CF63017	1	Cup-Bearing
6	136-3952	1	Spacer-Shaft
7	AU8CF63016	1	Cone-Bearing
8	AU8PP70008	1	Plug-Site, Glass
9	133-6235	1	Gasket-Cover, Rotary Box
10	136-7659	1	Plate-Cover, Rotary Box
11	115-9793	1	Breather
14	133-6241	1	Gear-Driven
15	133-6242	1	Spacer-Holder, O-Ring
16	133-6248	1	Washer-Lock
17	104-1973	1	Nut-Lock, Bearing
18	133-6243	1	Spacer-Gear
19	133-9496	1	Seal-Shaft
20	131-2649	1	Seal-Rotary Box
21	133-6244	1	O-Ring
22	302-63	2	Fitting-Grease, Zerk
23	136-1465	1	Hose Holder
24	3234-29	6	Screw-HHF
25	3234-36	2	Screw-HHF
26	353-989	2	Plug-Hex, Hollow
26:1	237-42	1	O-Ring
27	92-3735	1	Seal-Oil, Sensor
28	120-4800	1	Sensor-Geartooth
29	3234-13	1	Screw-HHF

Hydraulic Motor Assembly No. 131-8946



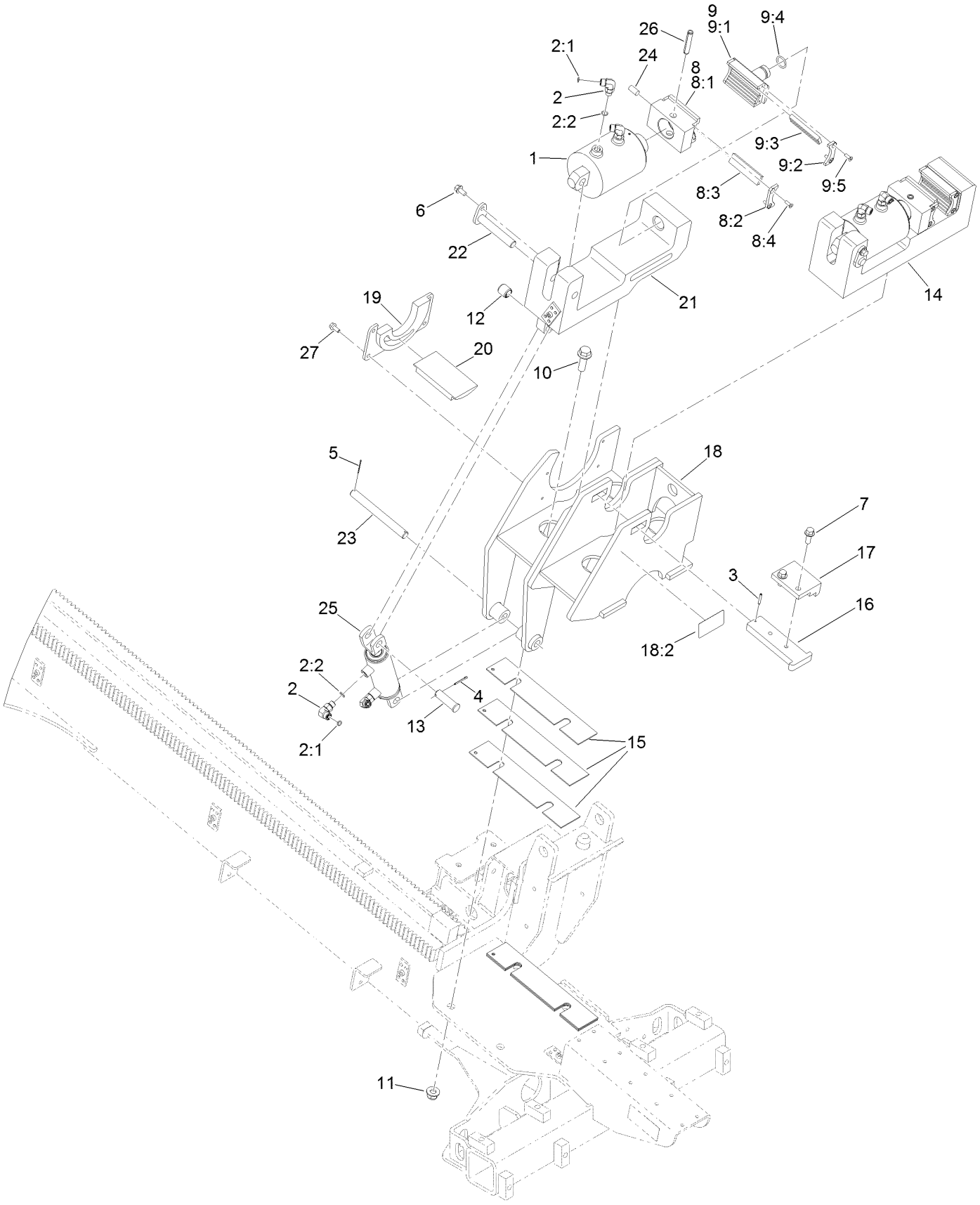
Hydraulic Motor Assembly No. 131-8946 (continued)

Ref.	Part Number	Qty.	Description
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 ■
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

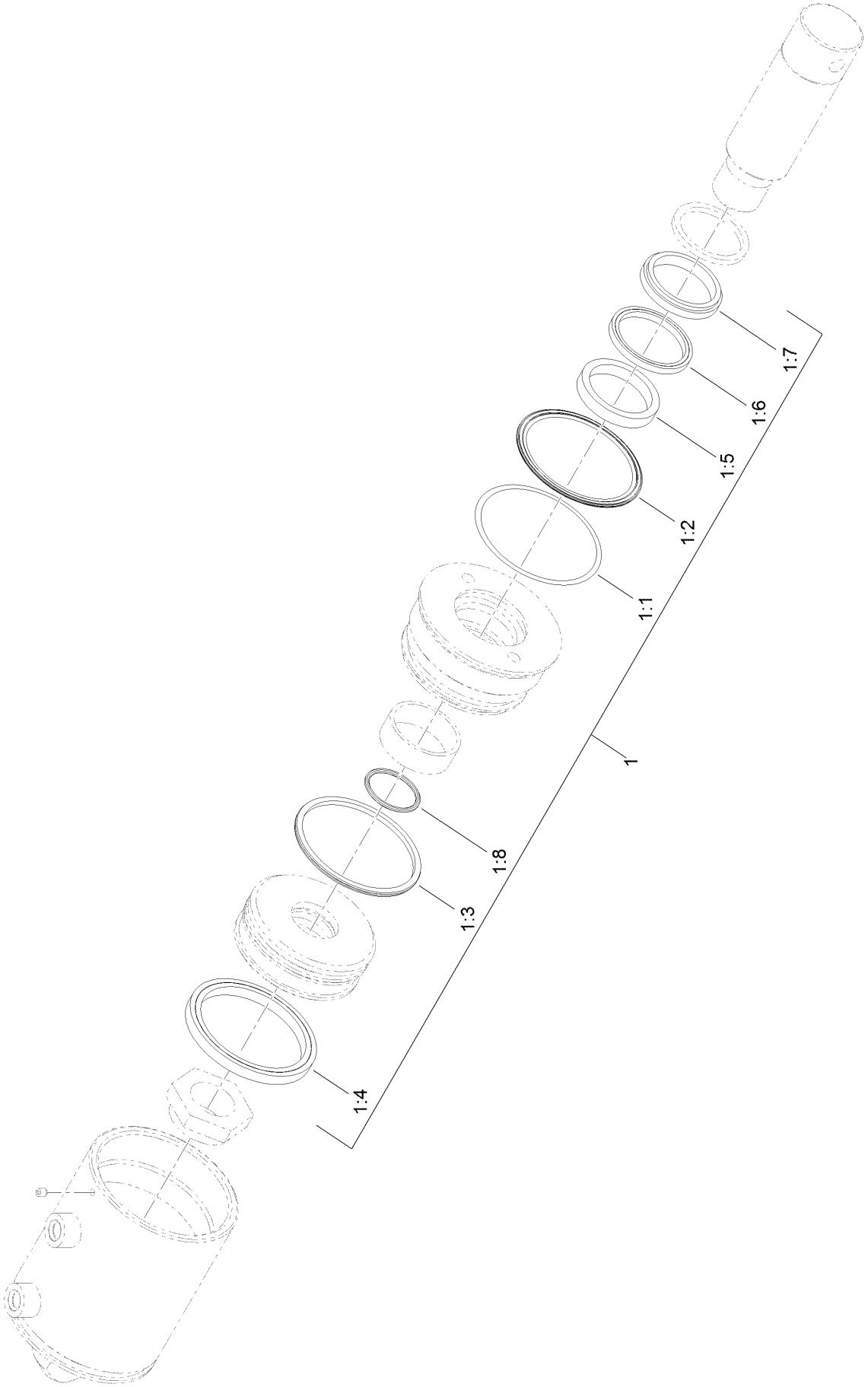
Wrench Assembly



Wrench Assembly (continued)

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

Hydraulic Cylinder Assembly No. 136-6918

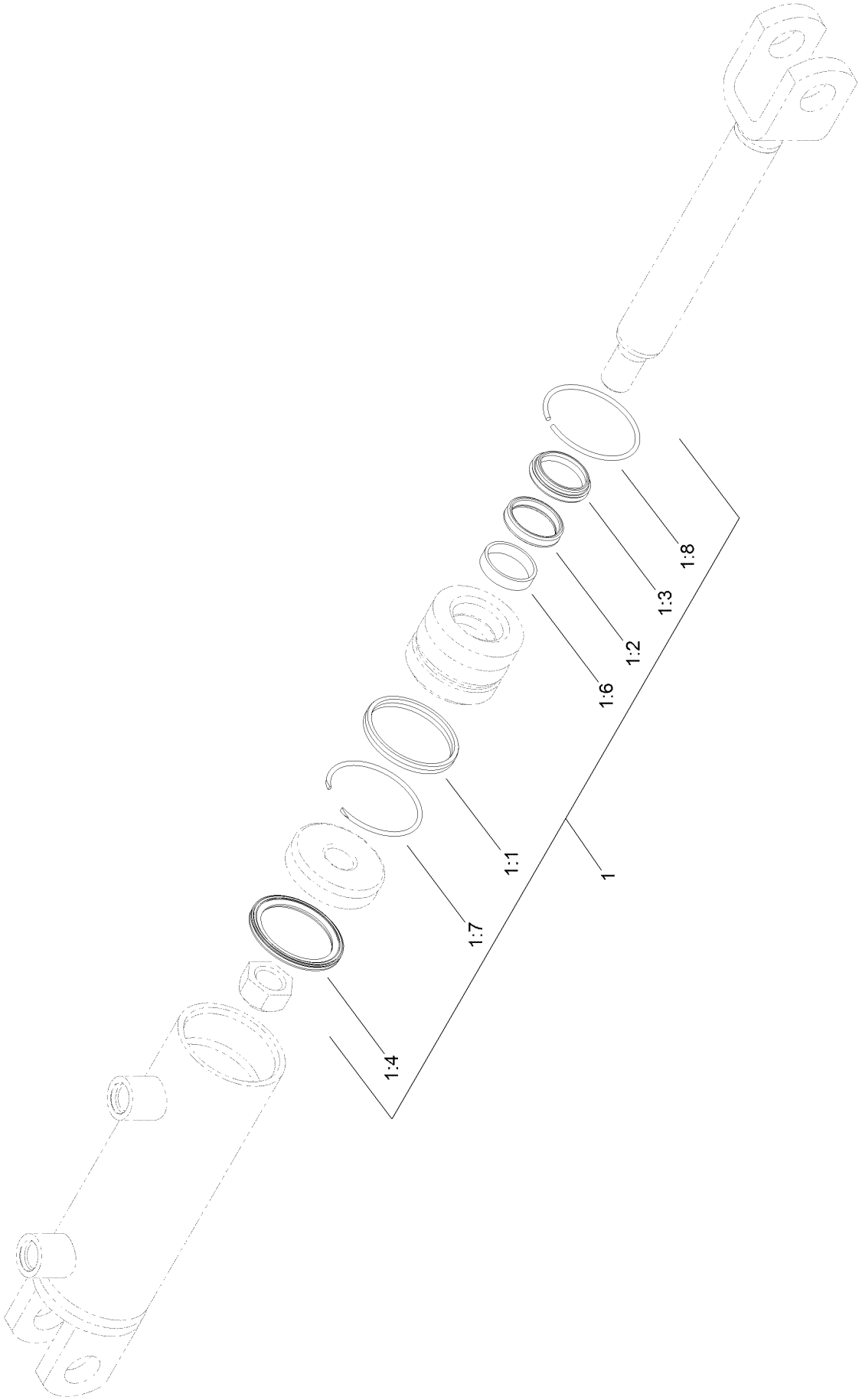


Hydraulic Cylinder Assembly No. 136-6918 (continued)

Ref.	Part Number	Qty.	Description
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 ●
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

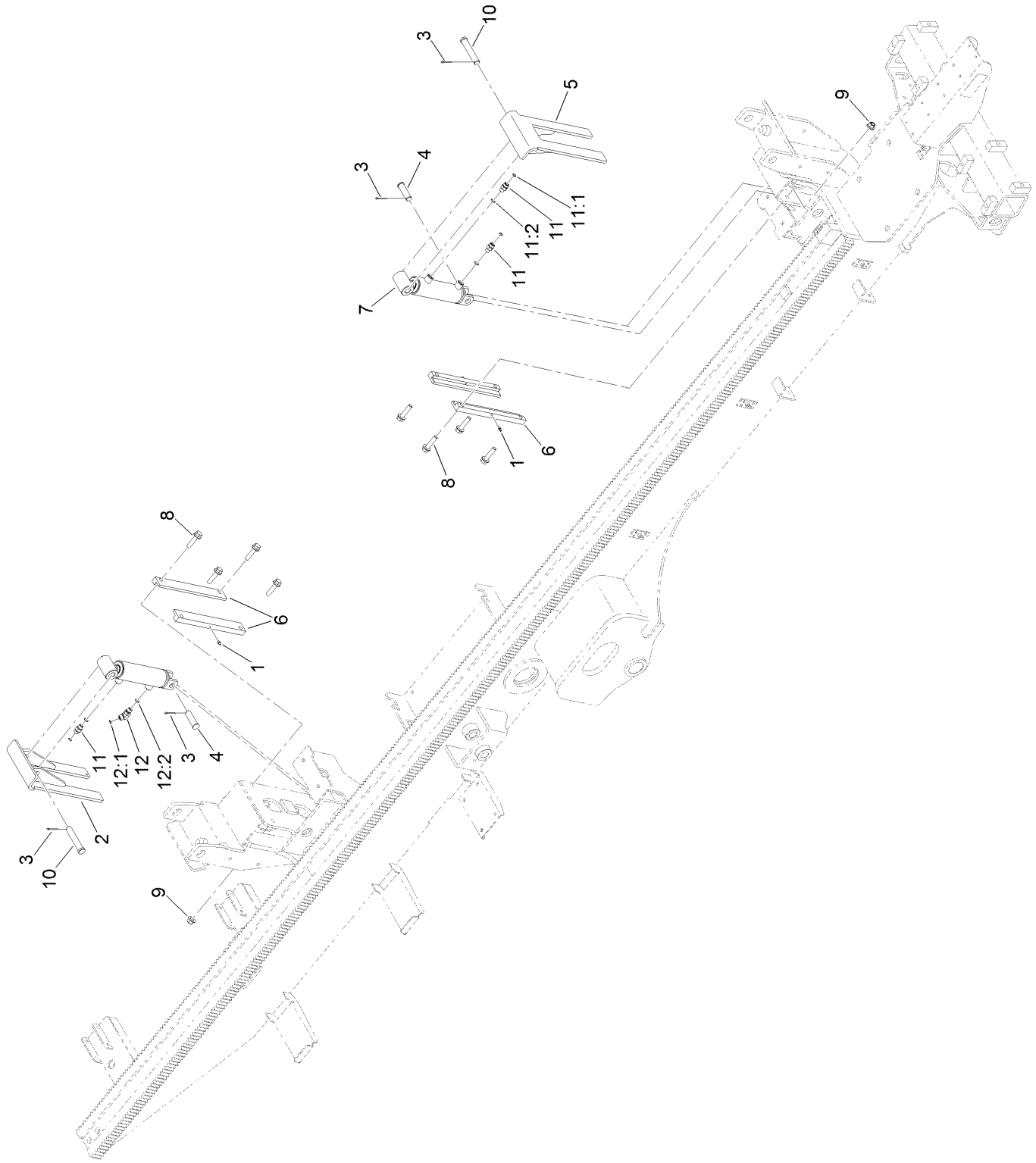


Hydraulic Cylinder Assembly No. 132-5740 (continued)

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

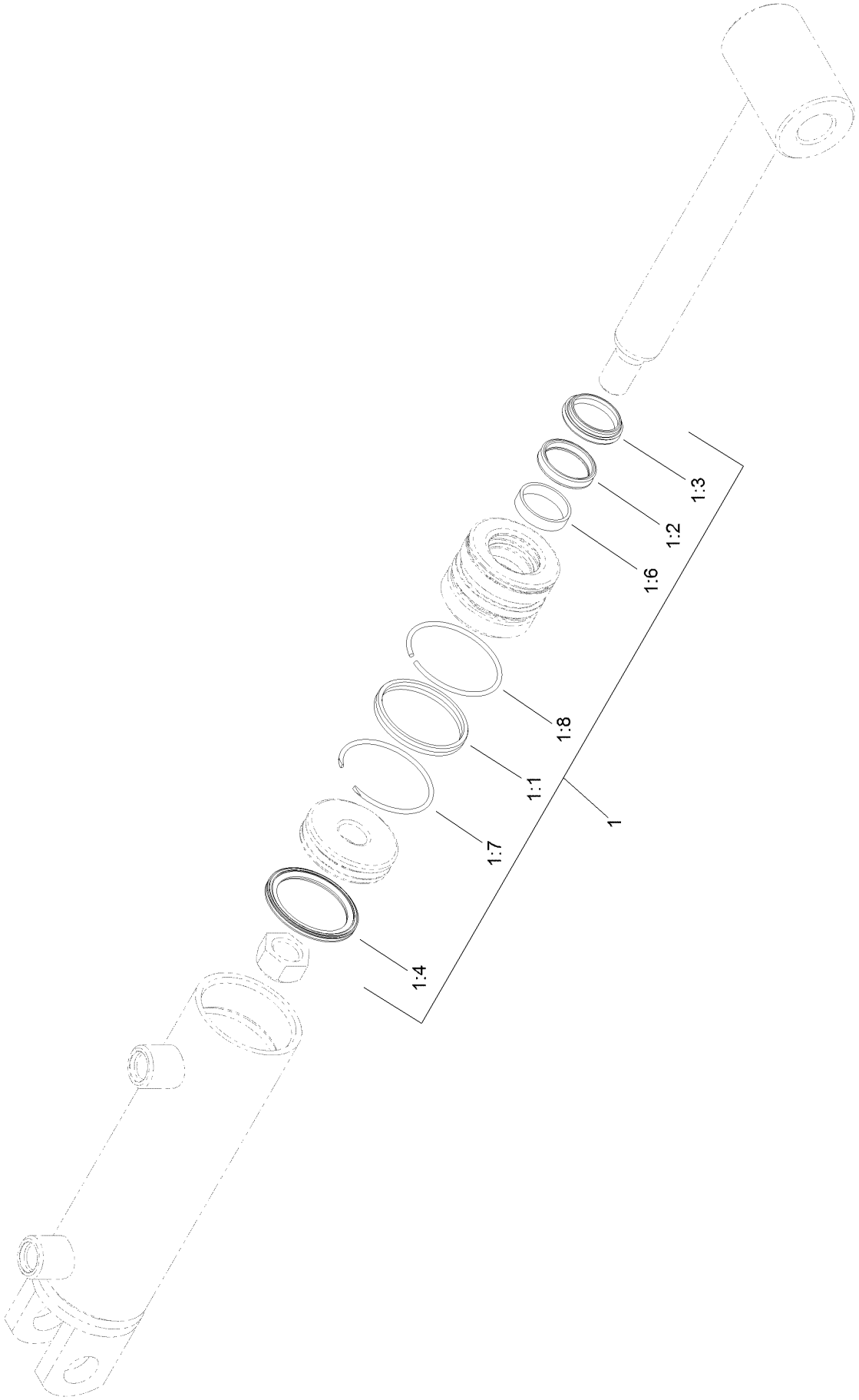
Elevator Assembly



Elevator Assembly (continued)

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

Hydraulic Cylinder Assembly No. 133-9466

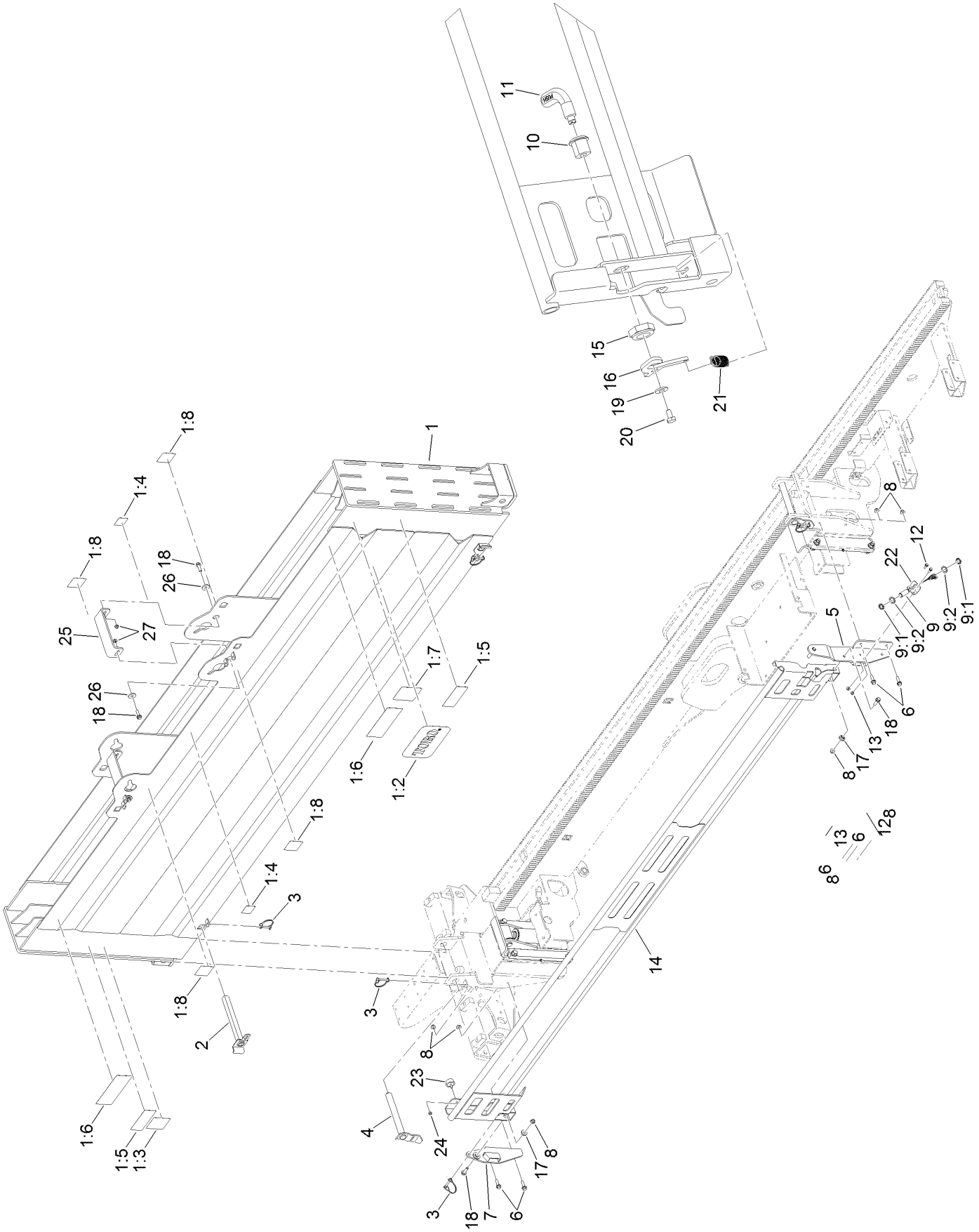


Hydraulic Cylinder Assembly No. 133-9466 (continued)

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

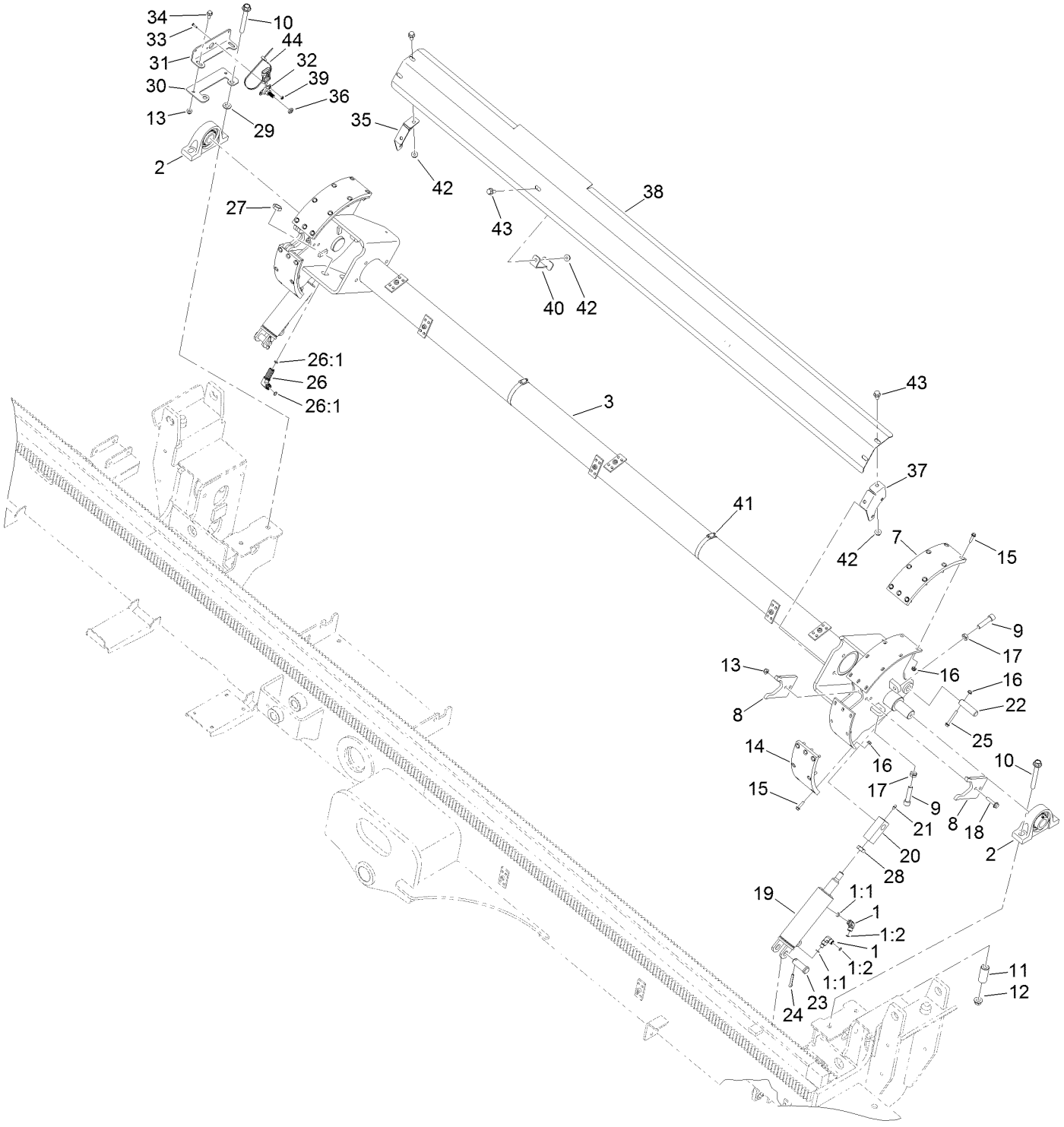
Side Rod Load Assembly



Side Rod Load Assembly (continued)

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

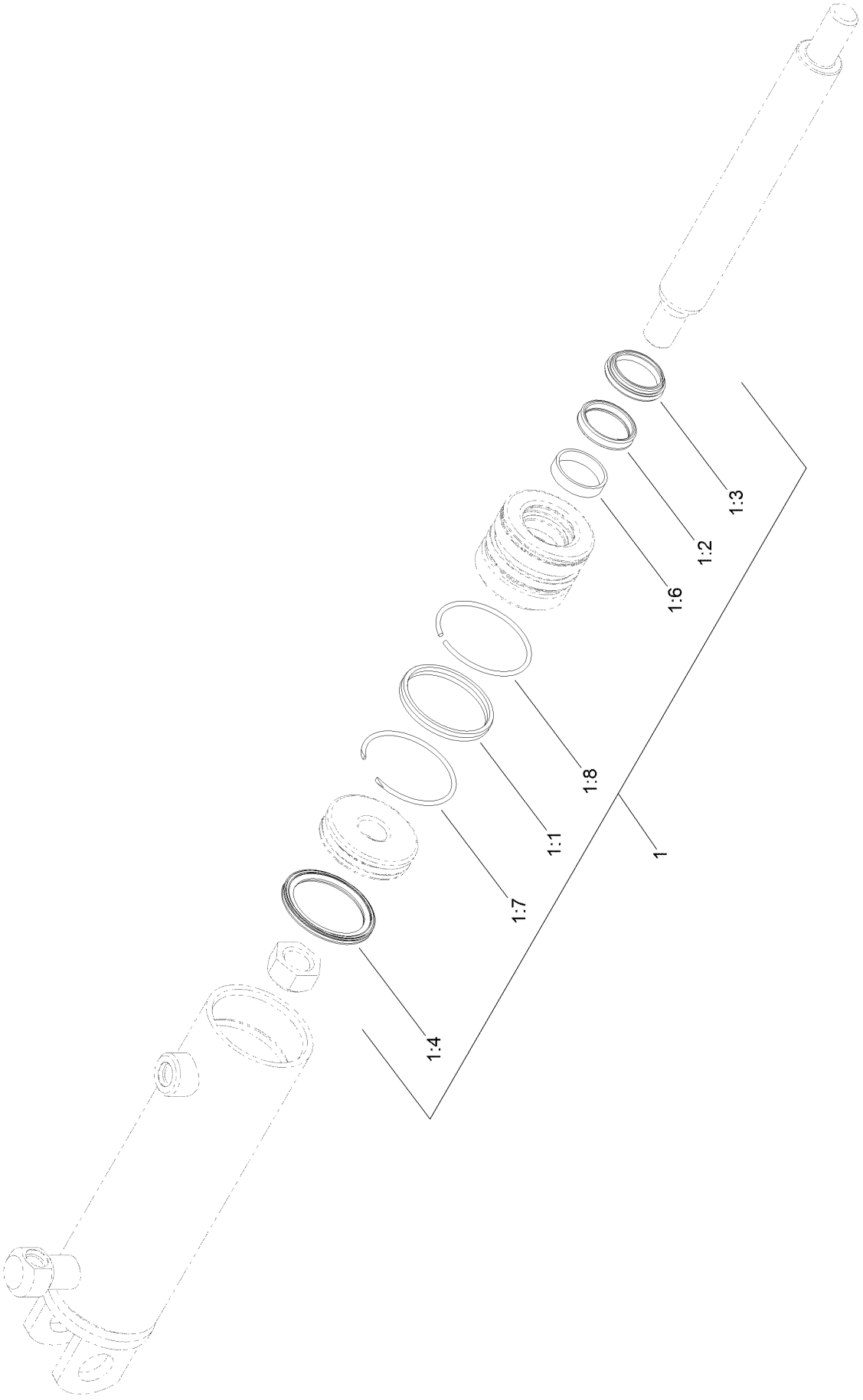
Rod Cam Assembly



Rod Cam Assembly (continued)

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

Hydraulic Cylinder Assembly No. 132-5741

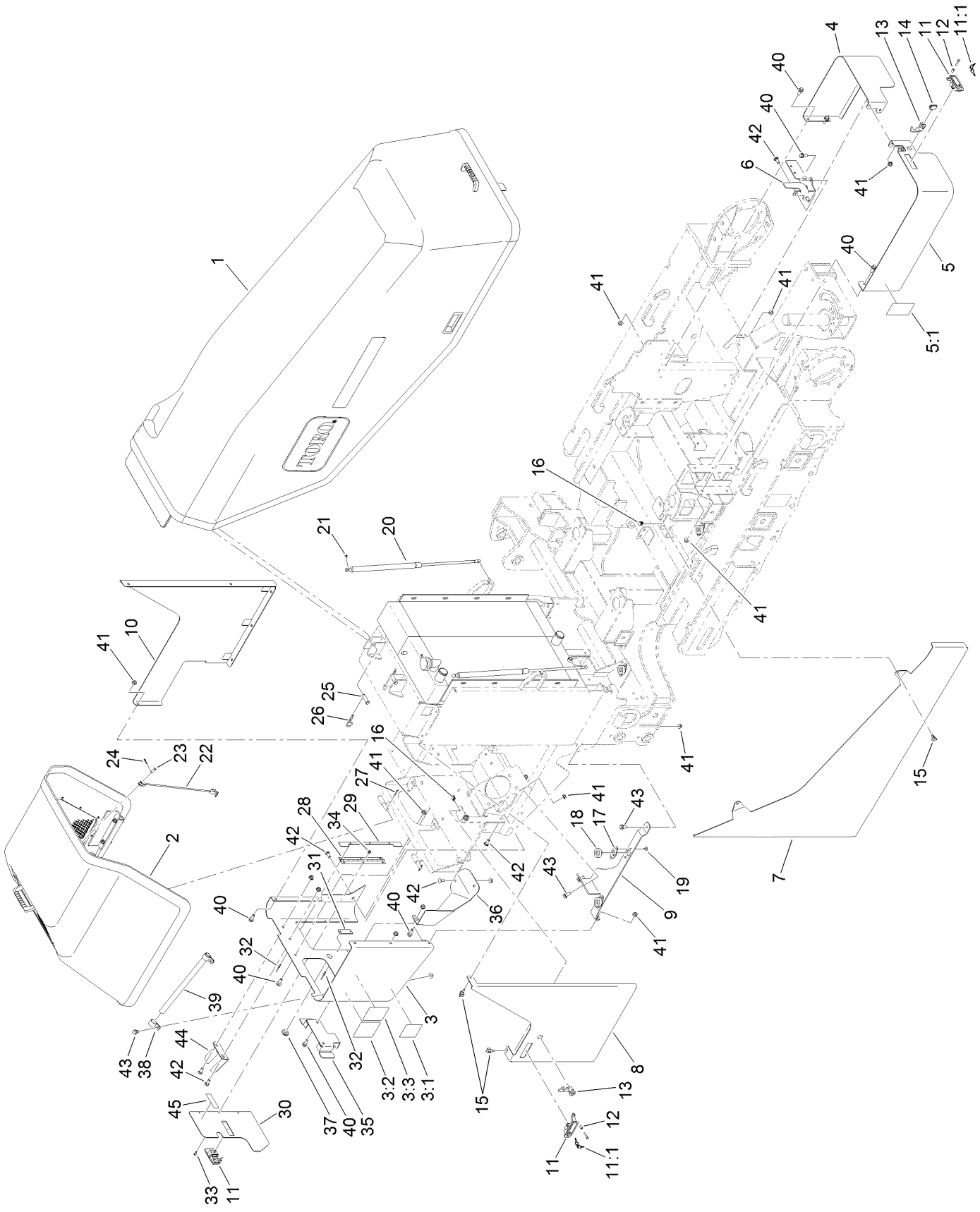


Hydraulic Cylinder Assembly No. 132-5741 (continued)

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

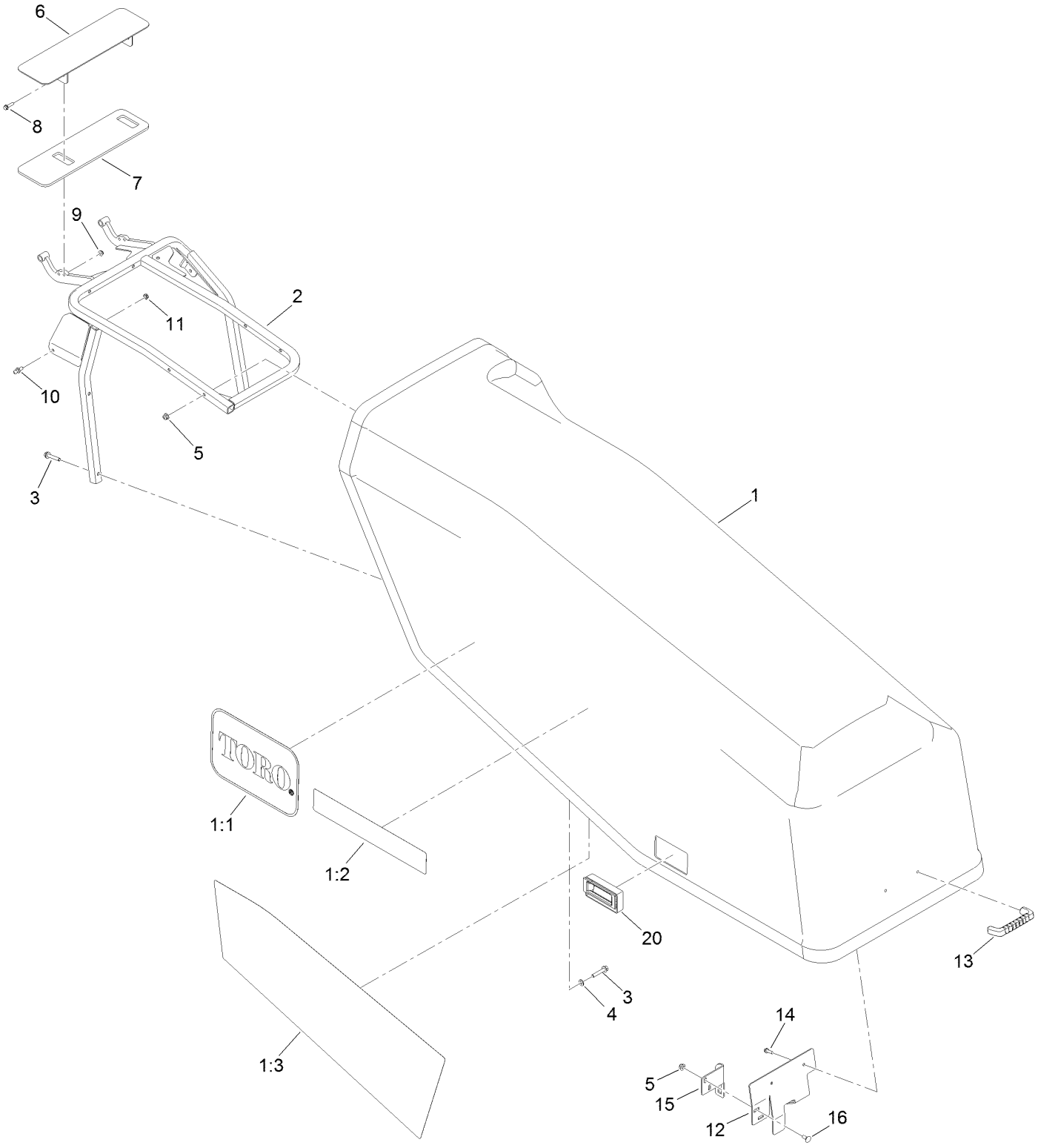
Hood Assembly



Hood Assembly (continued)

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

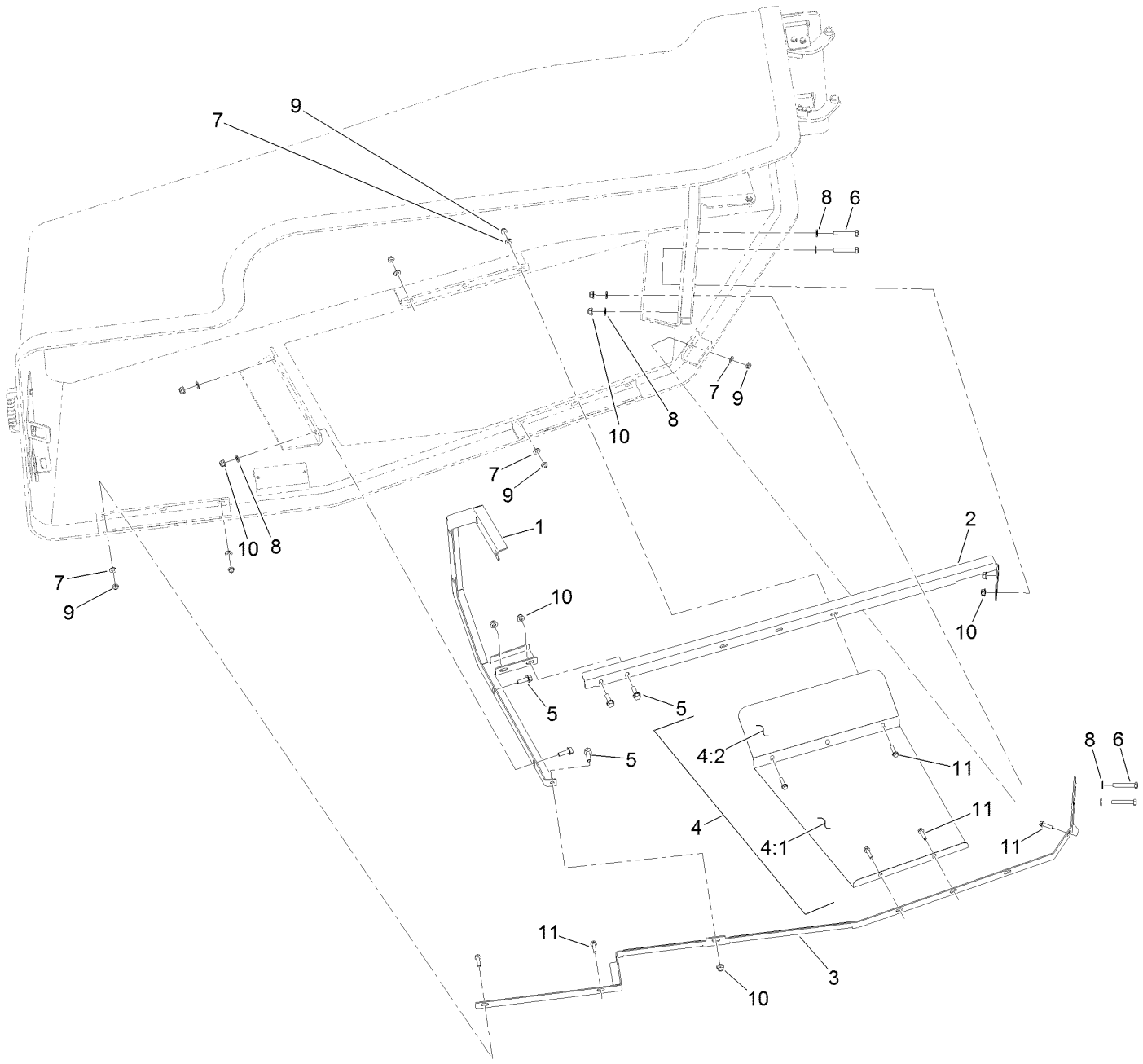
Front Hood Assembly No. 133-9530



Front Hood Assembly No. 133-9530 (continued)

Ref.	Part Number	Qty.	Description
1	137-1793	1	Front Hood ASM
1:1	114-0990	1	Decal
1:2	125-6190	1	Decal-Dd2226
1:3	138-4765	1	Shielding-Heat, Front Hood
2	133-9533-03	1	Frame-Hood, Front
3	94-5780	8	Screw-HWH
4	3256-23	8	Washer-Plain
5	104-8300	10	Nut-HF, NI
6	133-9673-03	1	Hood Cover ASM
7	136-8832	1	Foam-Cover, Hood Hinge
8	120-4654	4	Screw-HHF
9	104-7201	4	Nut-HF
10	103-5752	2	Stud-Ball
11	3296-47	2	Nut-Lock, NI
12	137-5251-03	1	Bracket-Mounting, Front Hood
13	65-5100	1	Handle-Door
14	46-8091	2	Screw-HWH
15	138-4764	1	Bracket-Catch, Front Hood
16	3230-1	2	Bolt-CARR
20	AU121497	1	Handle-Pull, Flush

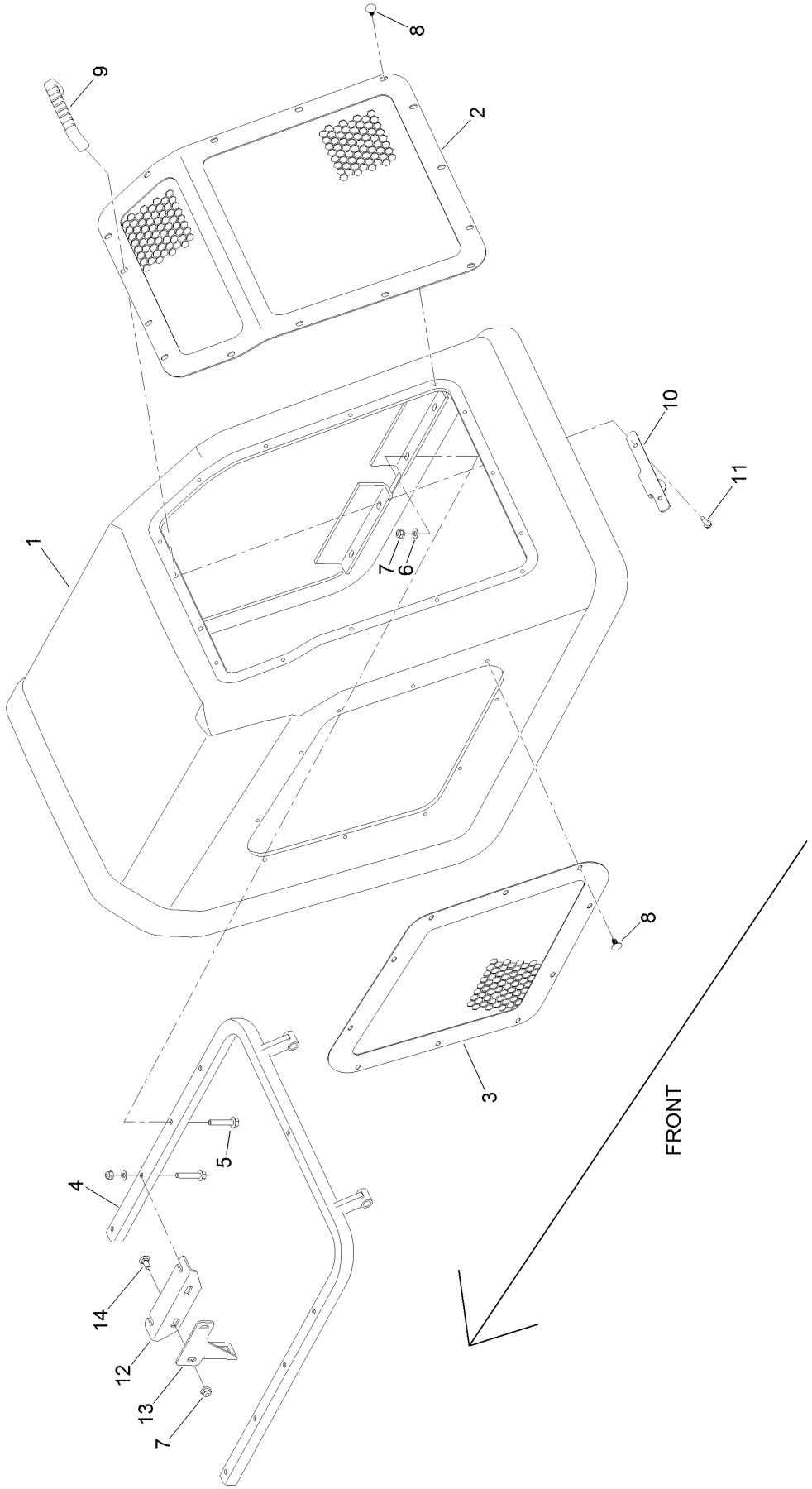
Front Hood Support Assembly No. 133-9530



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

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

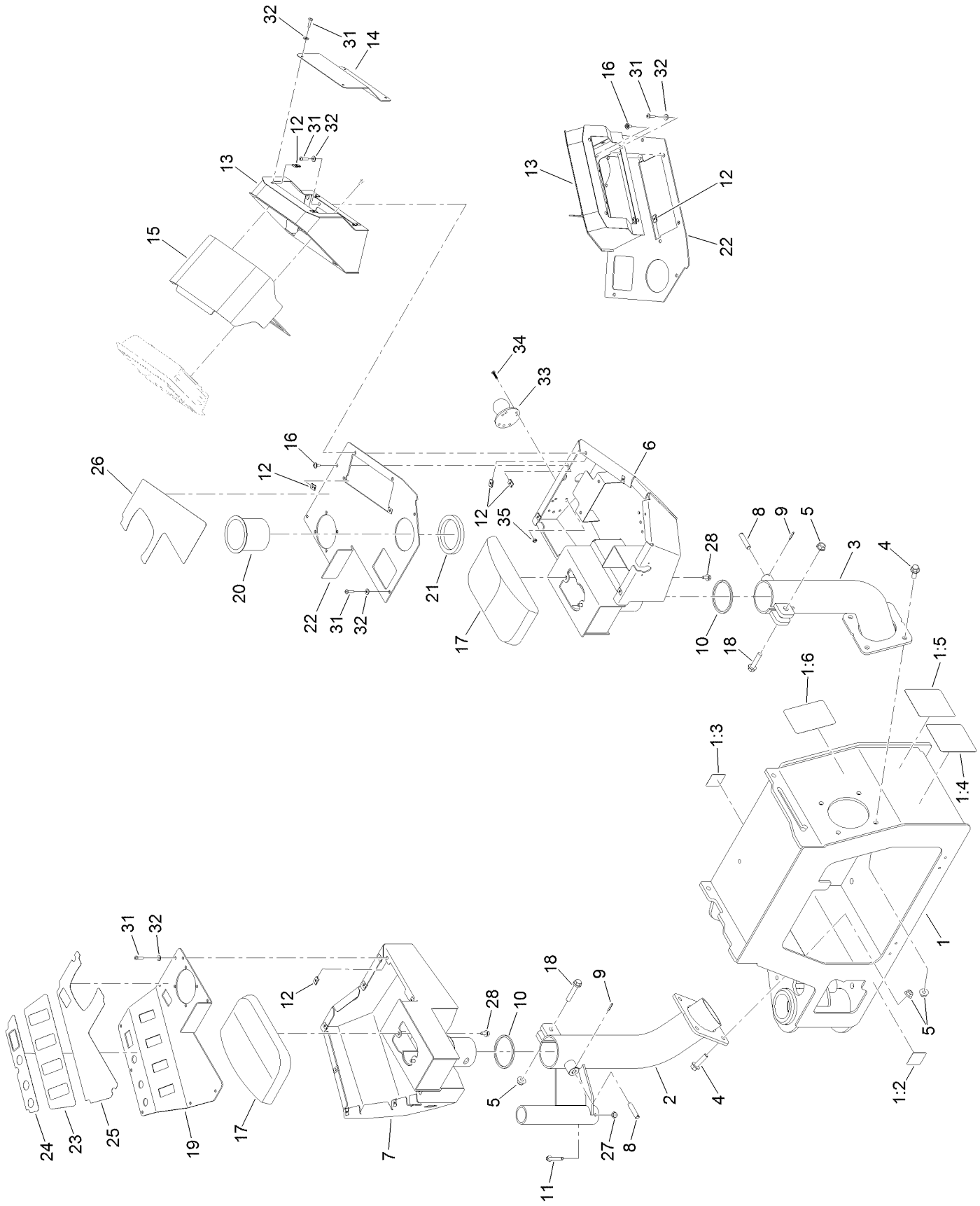
Rear Hood Assembly No. 133-9540



Rear Hood Assembly No. 133-9540 (continued)

Ref.	Part Number	Qty.	Description
1	137-1794	1	Hood-Rear
2	133-9549-03	1	Screen-Rear
3	133-9570-03	1	Screen-Side
4	138-1346-03	1	Frame-Hood, Rear
5	94-5780	8	Screw-HWH
6	3256-70	6	Washer-Flat
7	104-8300	10	Nut-HF, NI
8	117-2382	23	Plug-Plastic
9	65-5100	1	Handle-Door
10	137-1804-03	1	Plate-Handle, Rear Hood
11	46-8091	2	Screw-HWH
12	138-1324-03	1	Bracket-Mount, Rear Catch
13	138-1325	1	Bracket-Catch, Rear
14	3230-1	2	Bolt-CARR

Operator Platform Assembly

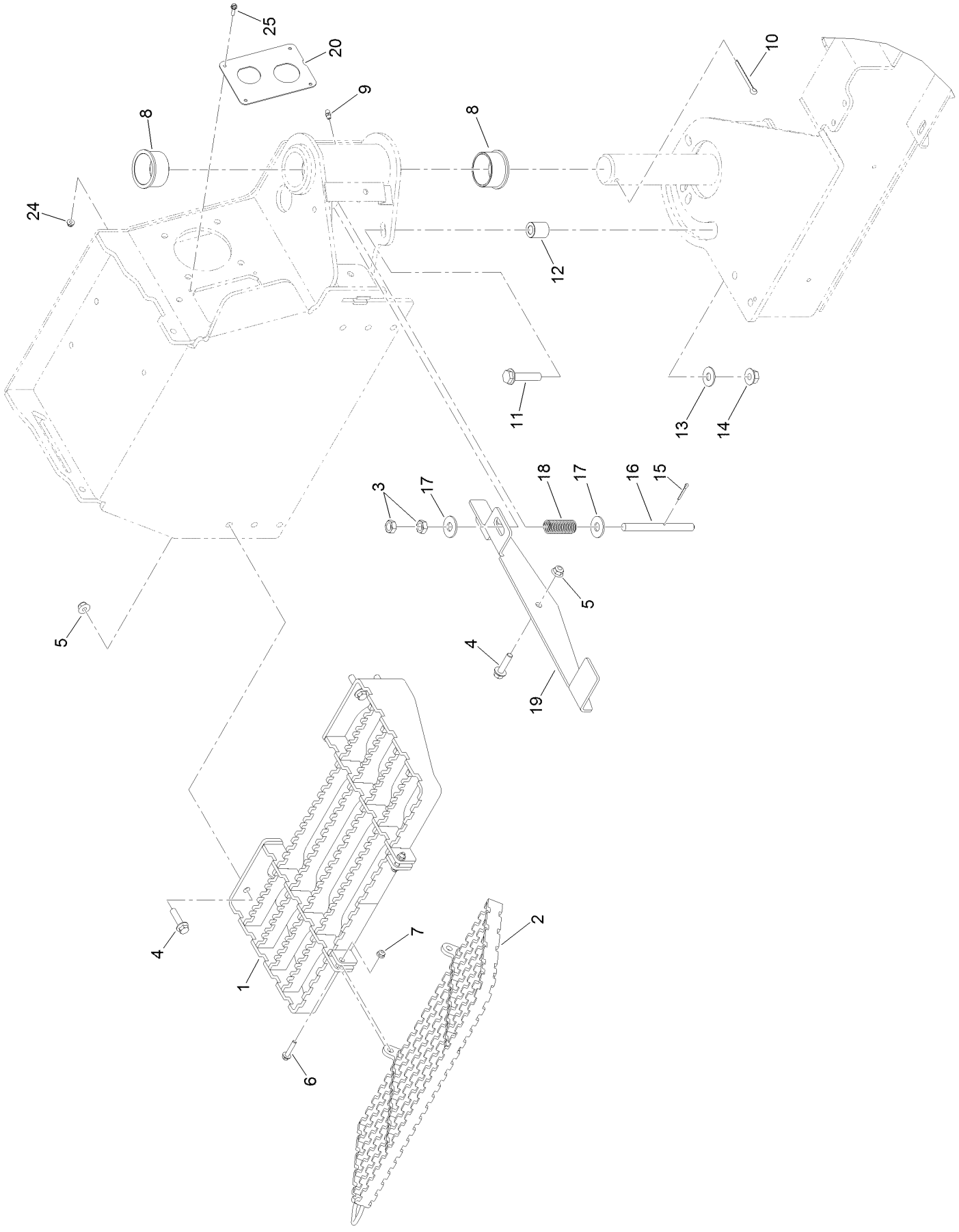


Operator Platform Assembly (continued)

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

● Not illustrated

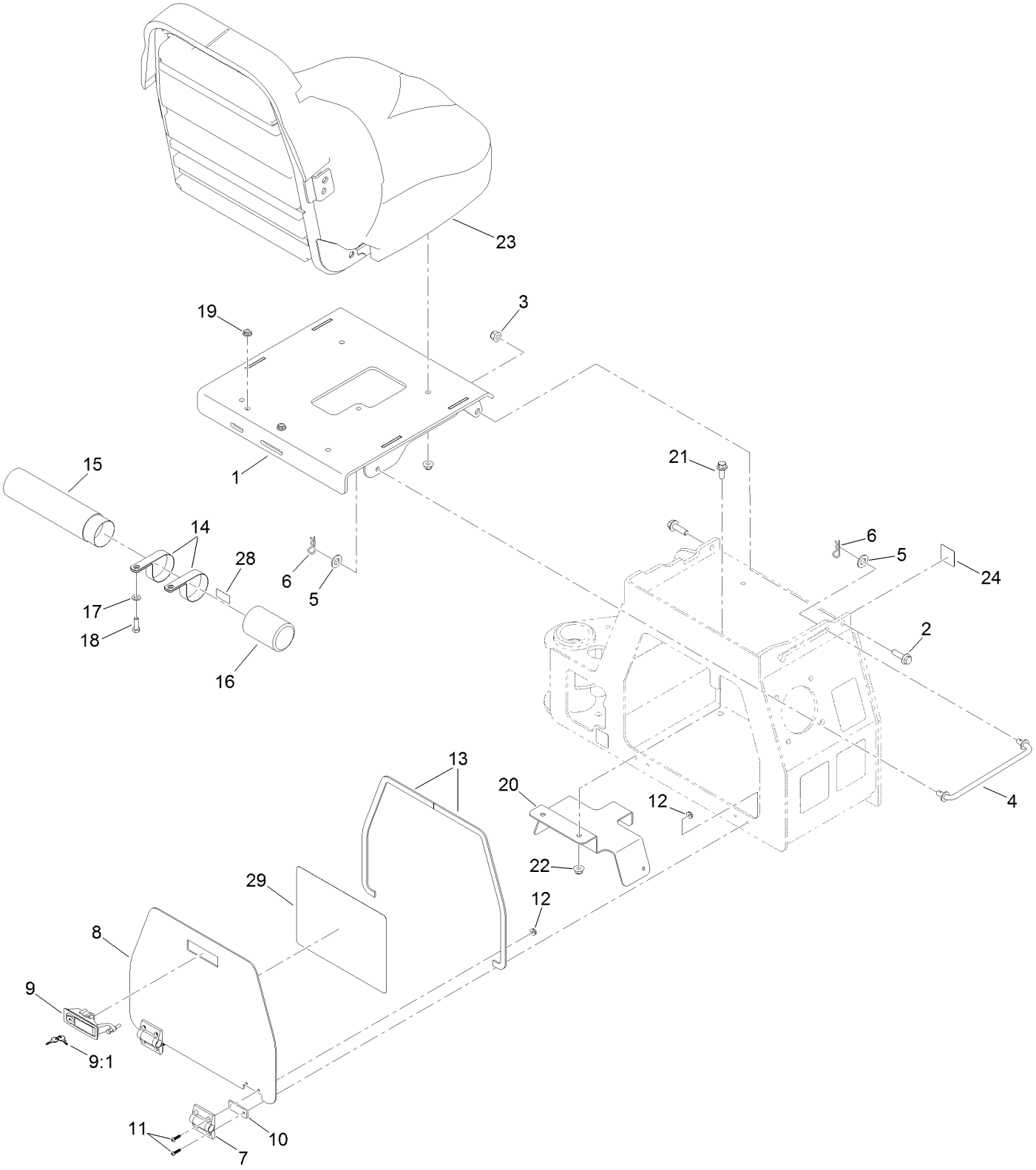
Operator Console Assembly



Operator Console Assembly (continued)

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

Seat Assembly

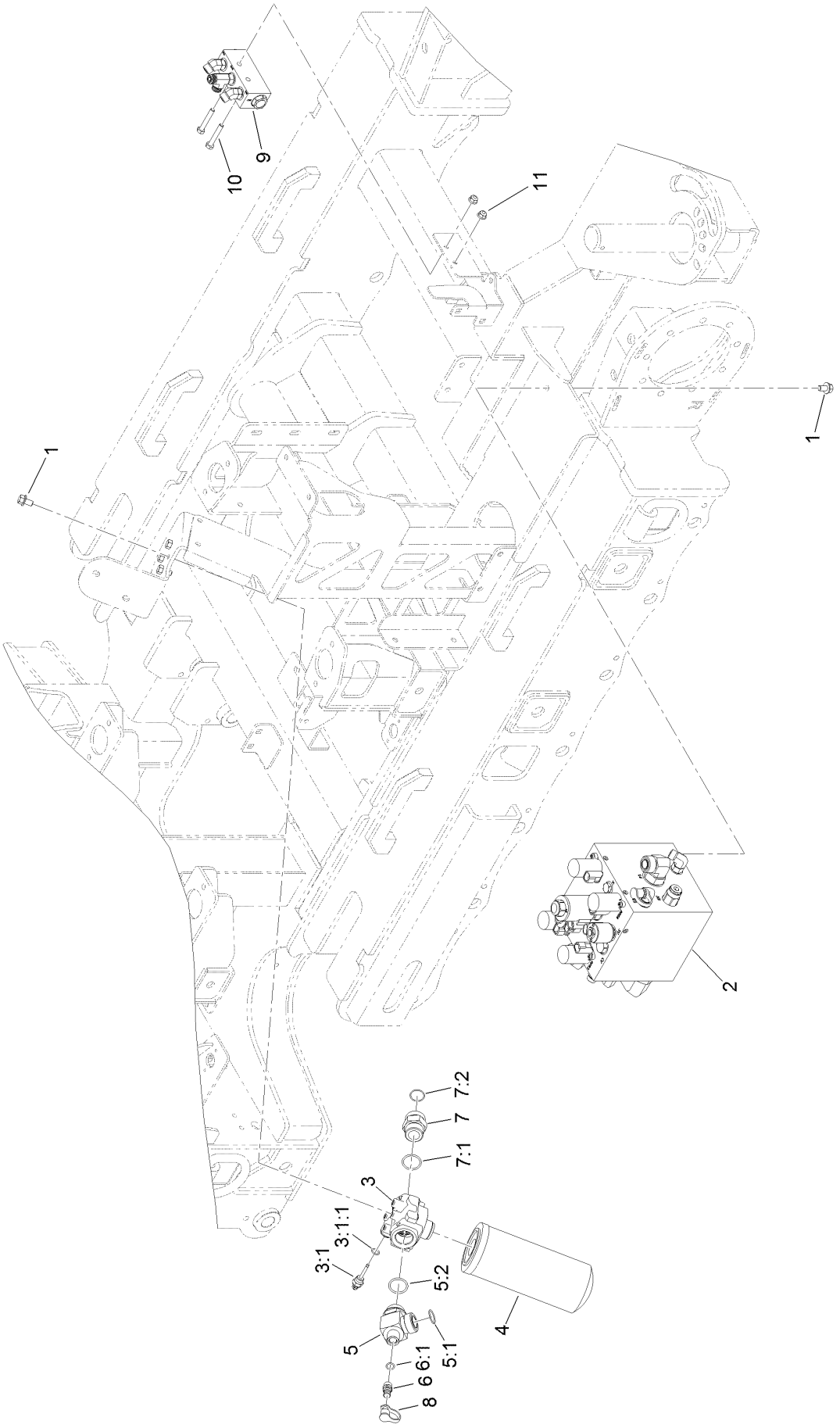


Seat Assembly (continued)

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

● Not illustrated

Traction Manifold and Hydraulic Filter Assembly

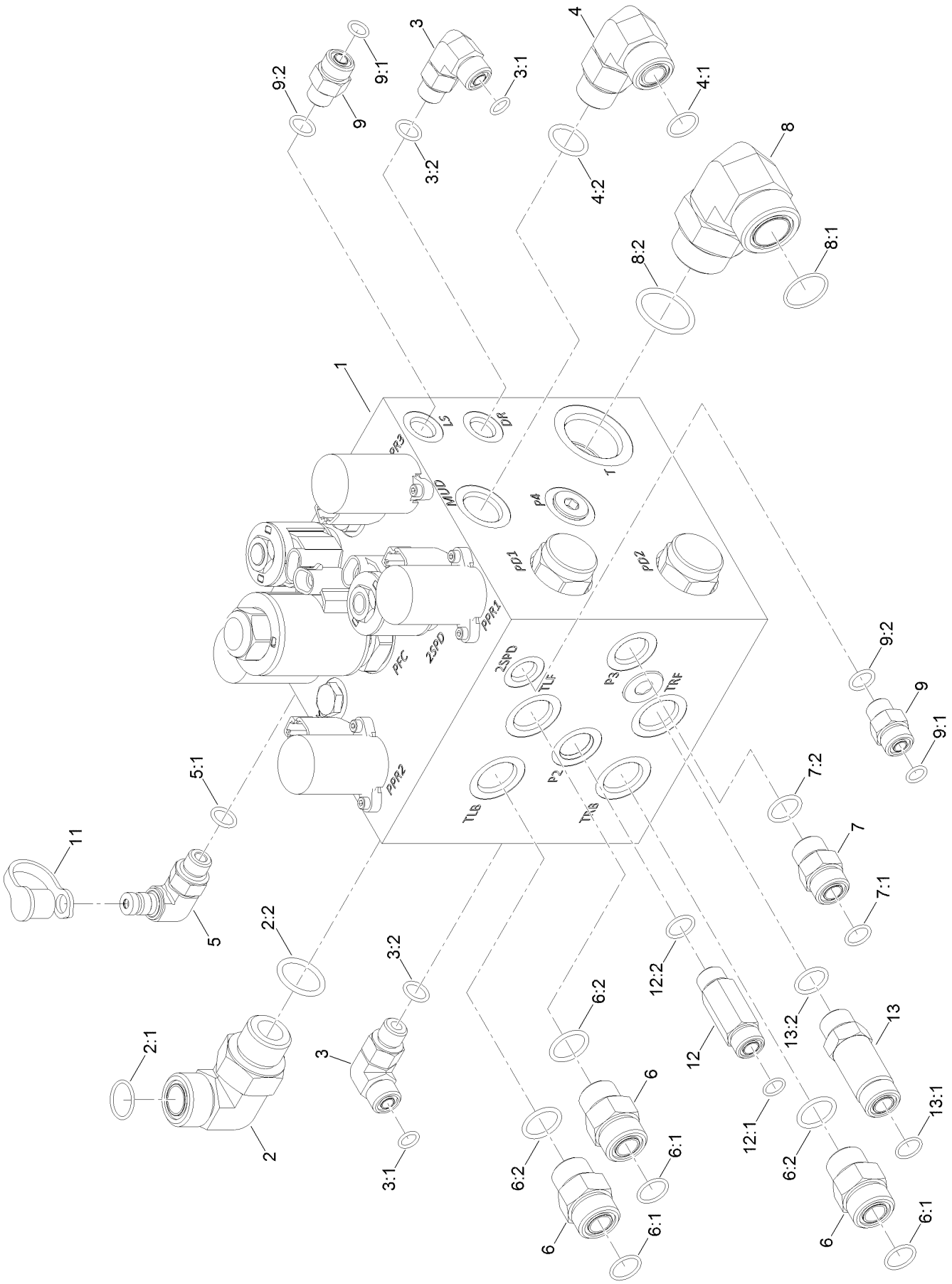


Traction Manifold and Hydraulic Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

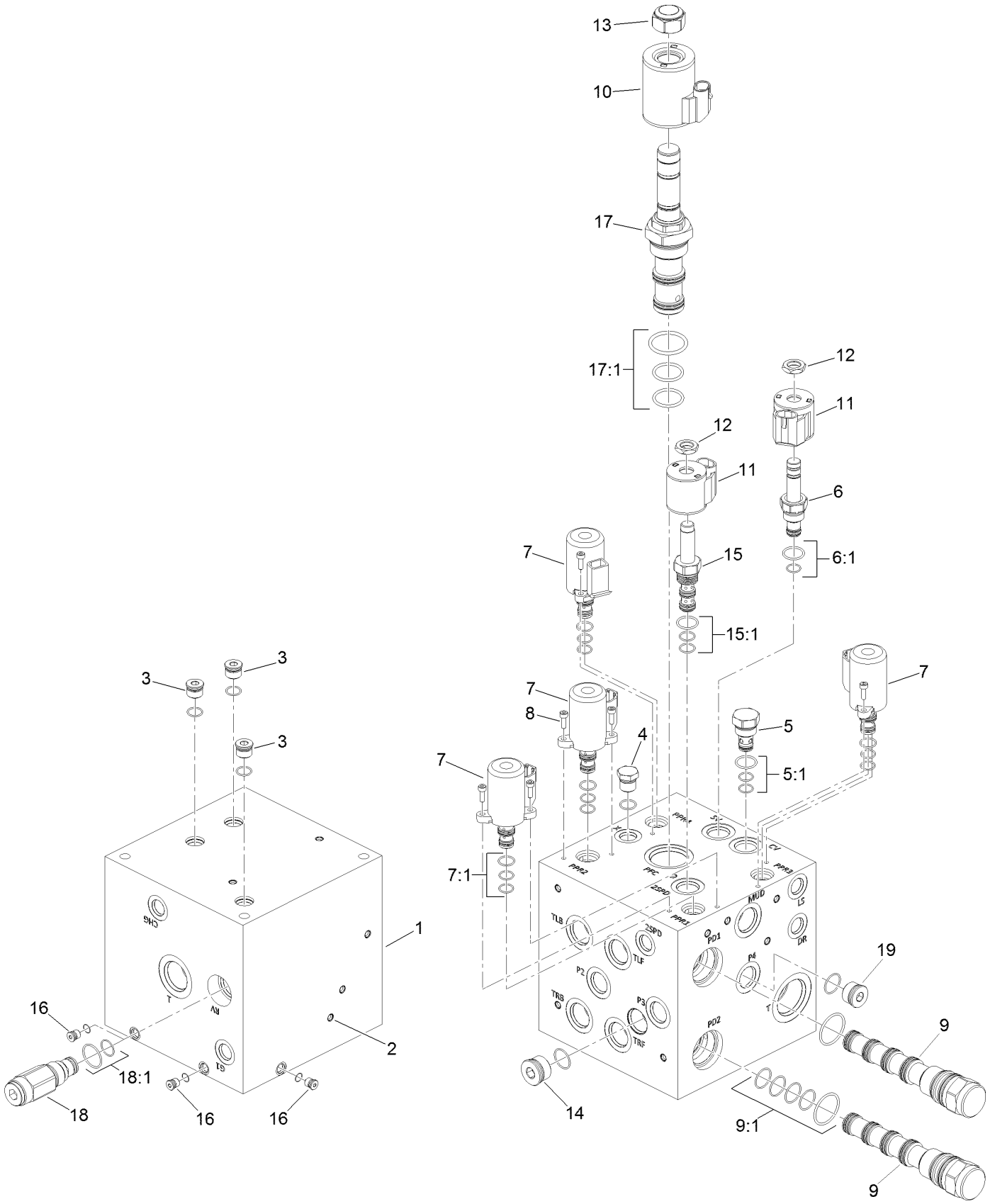
Traction Manifold Assembly



Traction Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

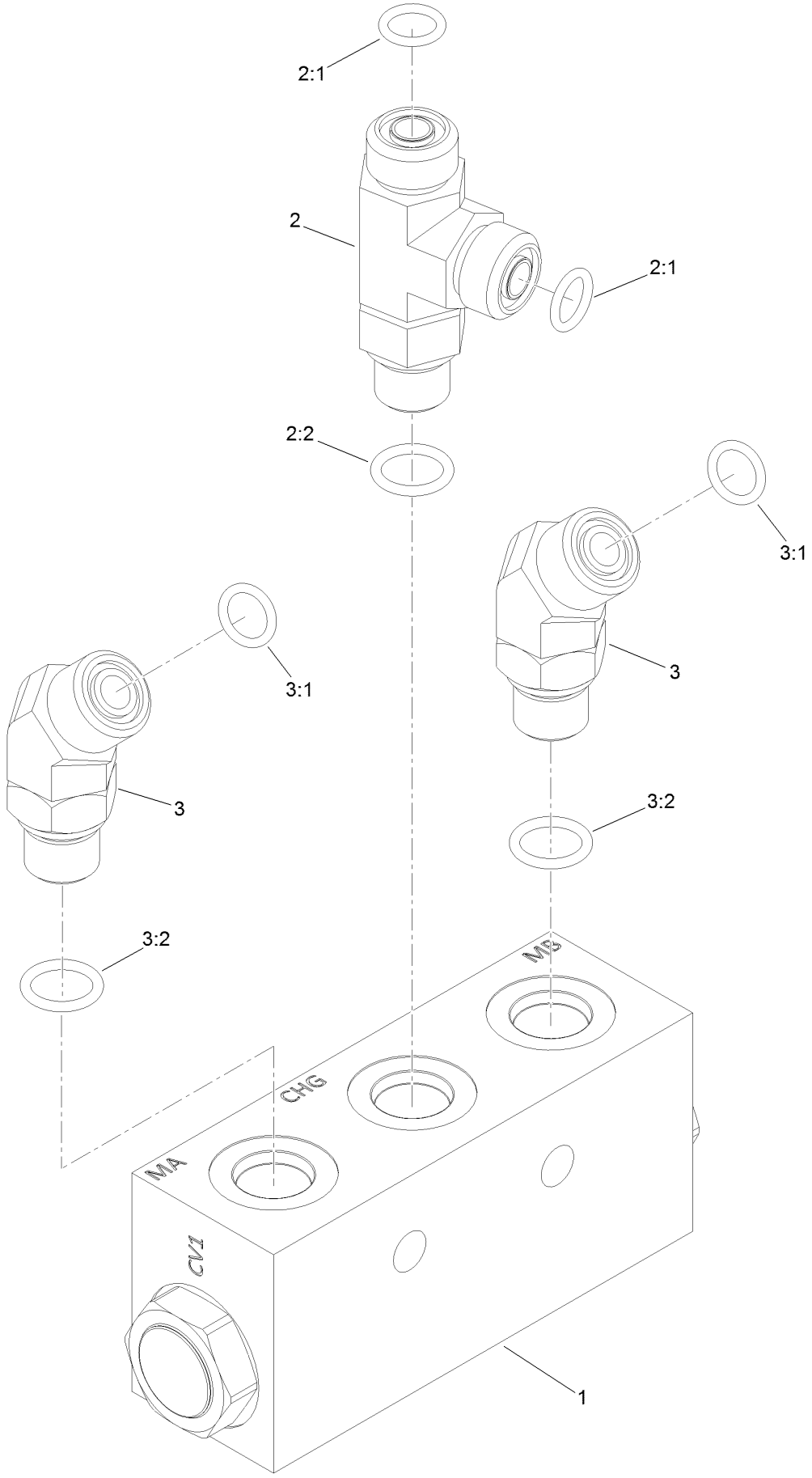


Traction Manifold Assembly No. 133-5950 (continued)

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

● Not serviced separately

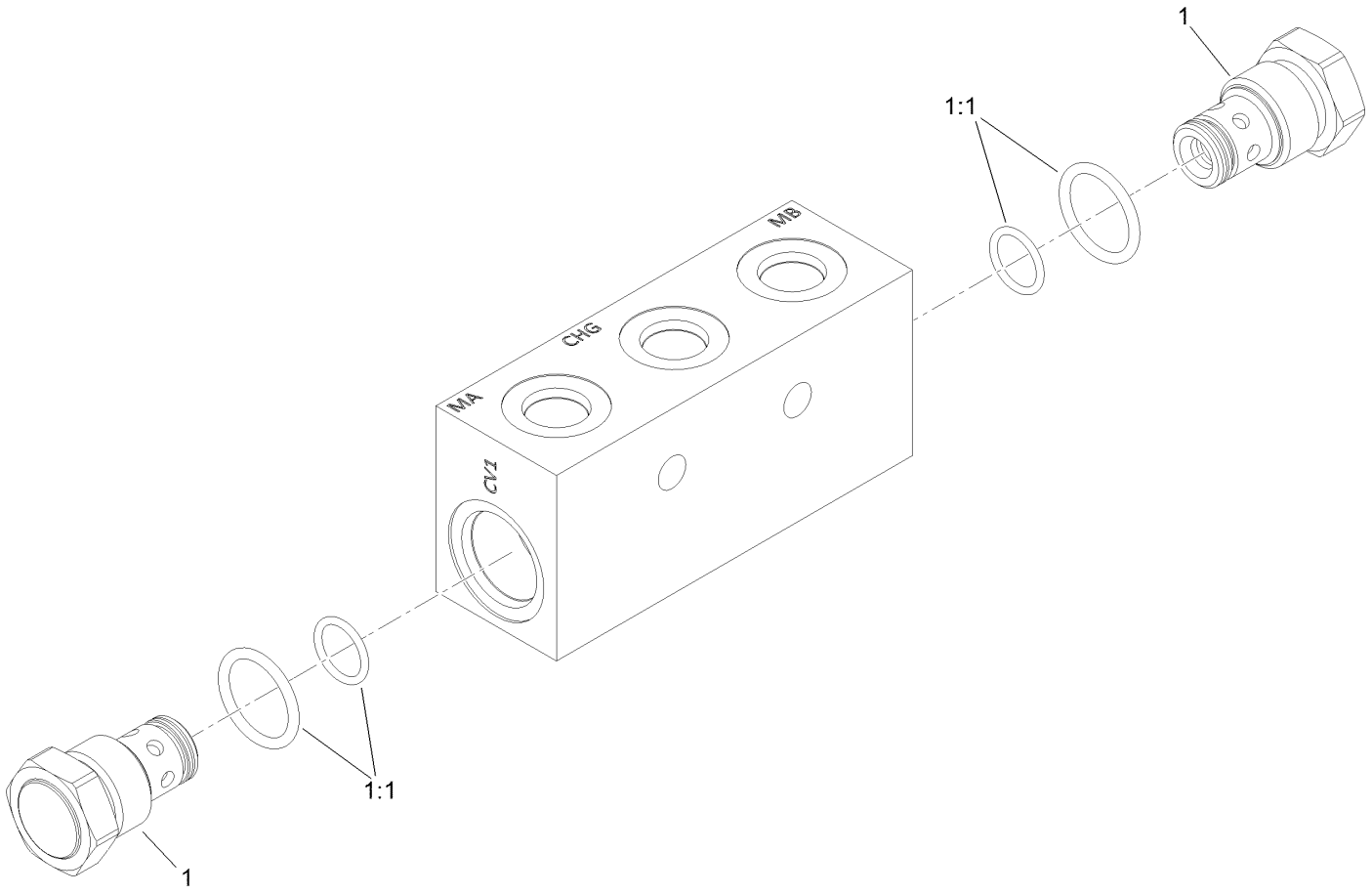
Charge Check Manifold Assembly



Charge Check Manifold Assembly (continued)

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

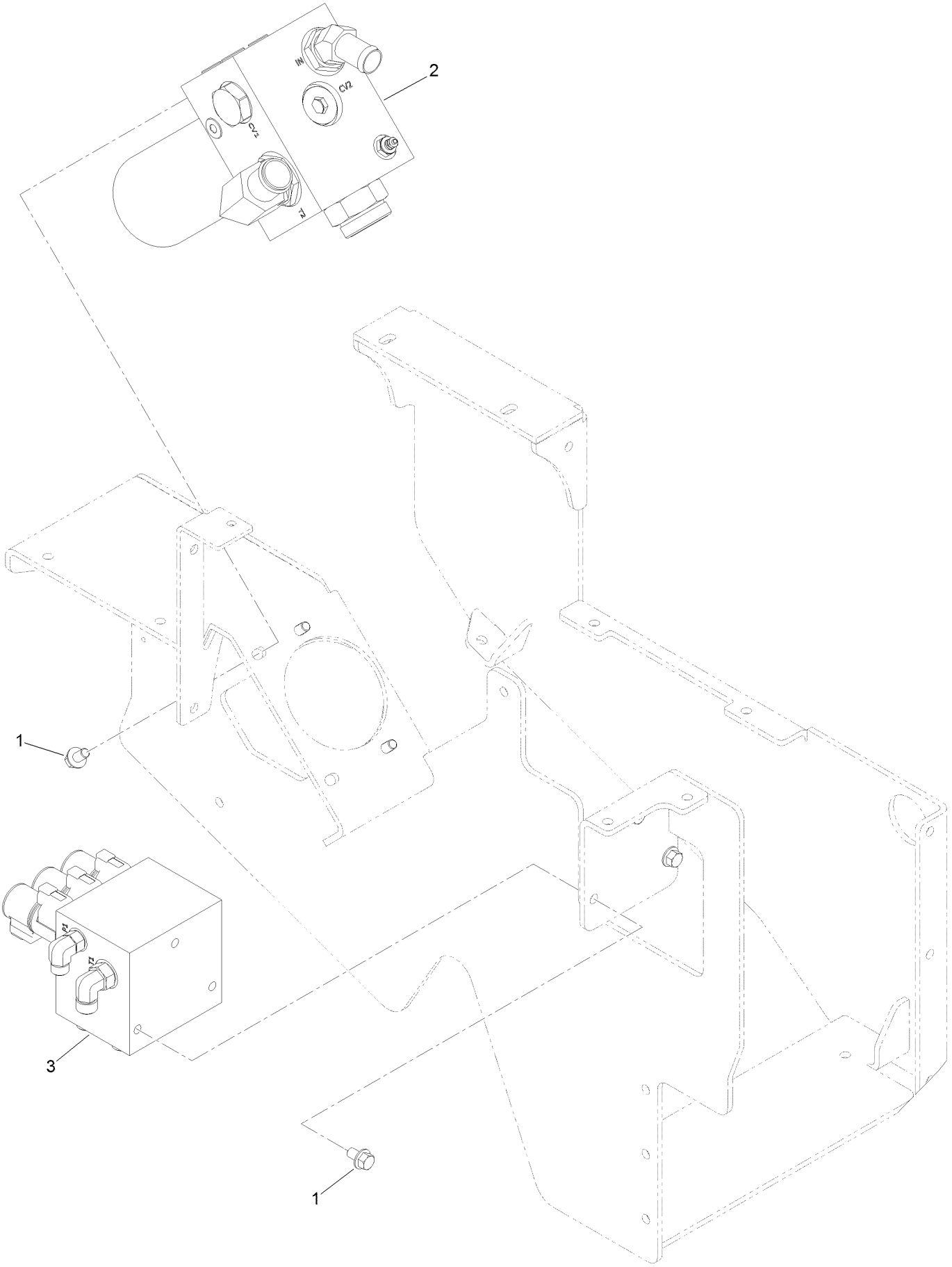
Charge Check Manifold Assembly No. 137-5288



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

Ref.	*Part Number*	*Qty.*	*Description*
1	125-4333	2	Valve-Check
1:1	125-4337	1	Seal Kit

Return Manifold and Setup Manifold Assembly

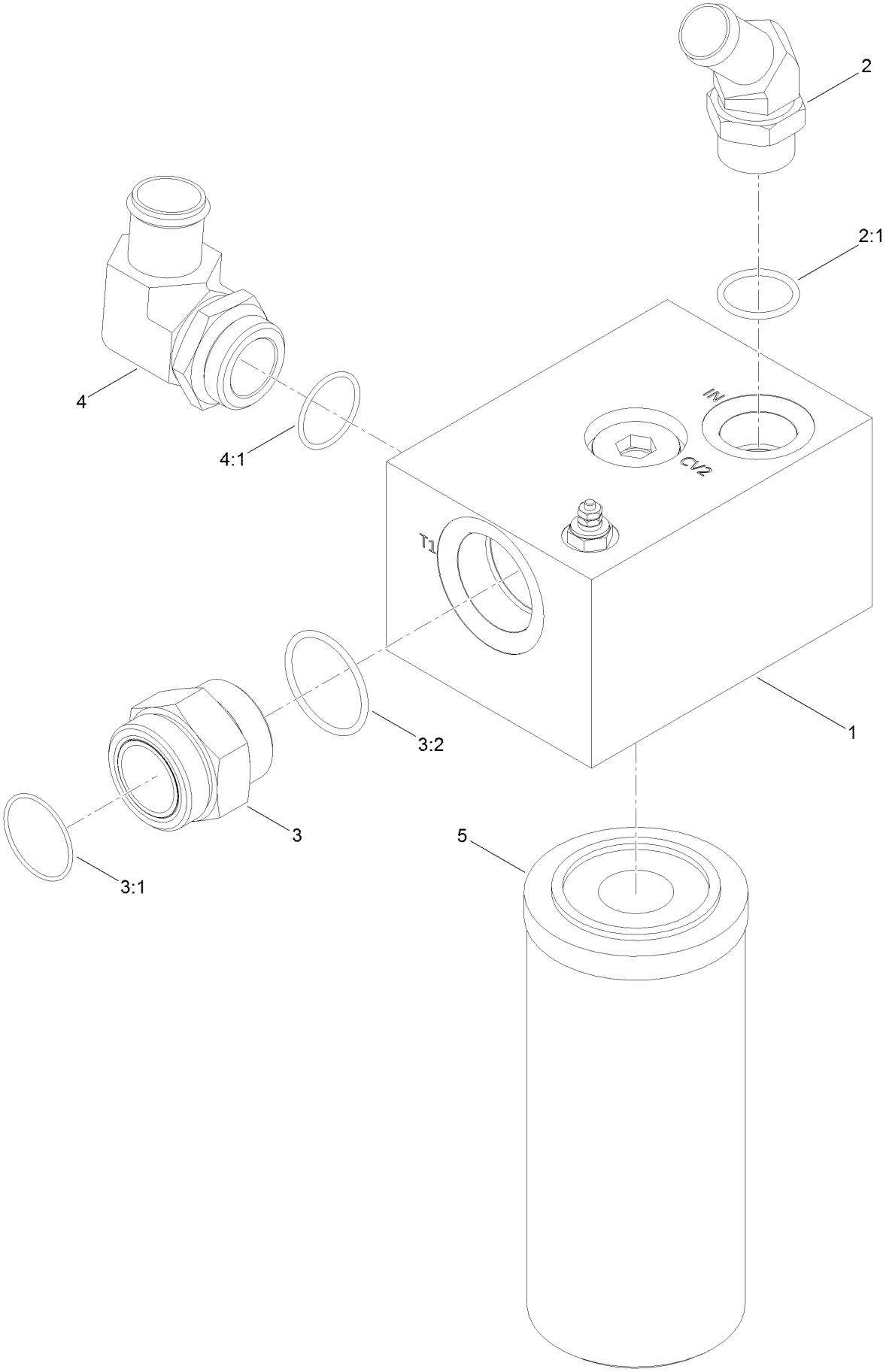


Return Manifold and Setup Manifold Assembly (continued)

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

● Not serviced separately

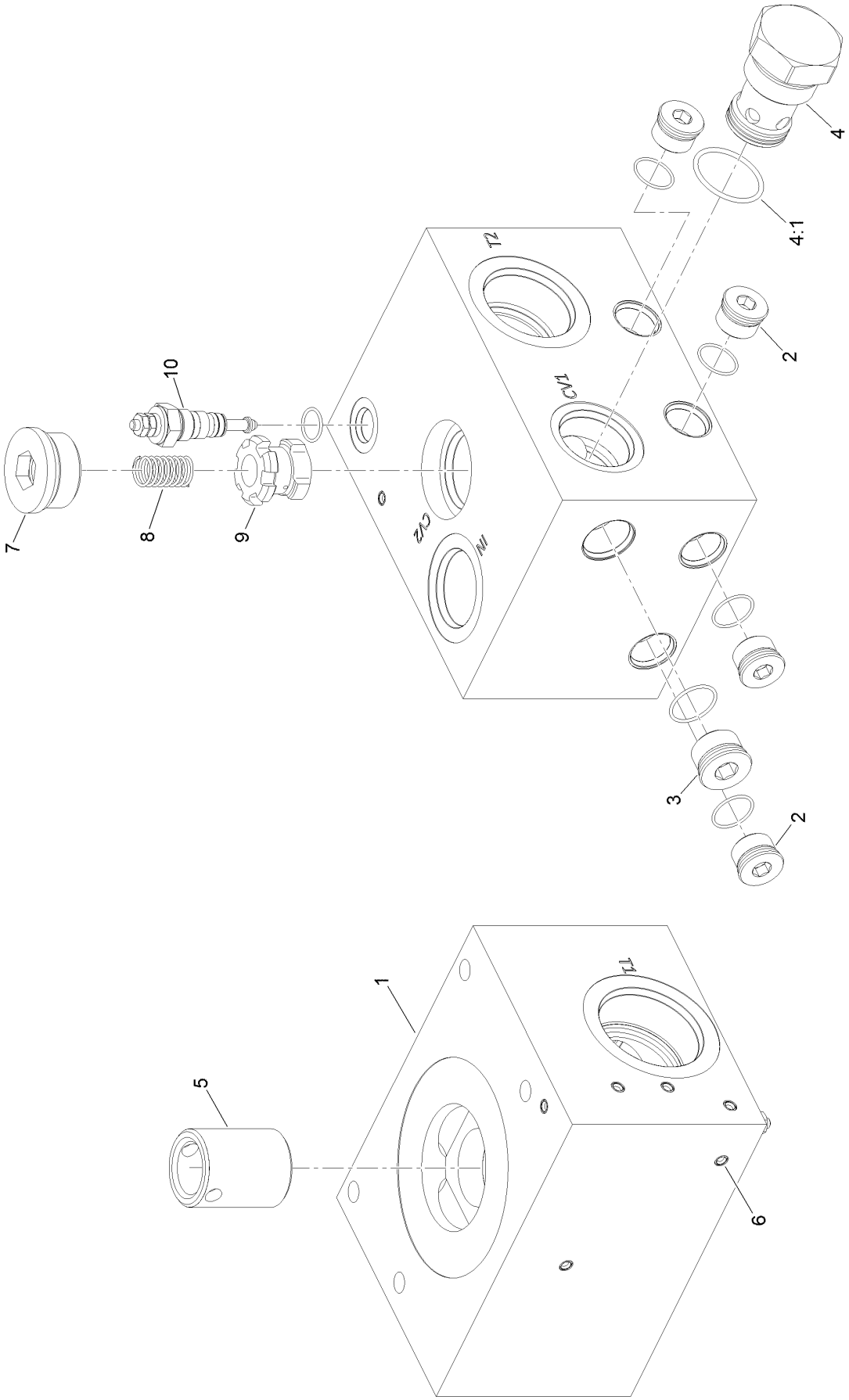
Return Manifold Assembly



Return Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

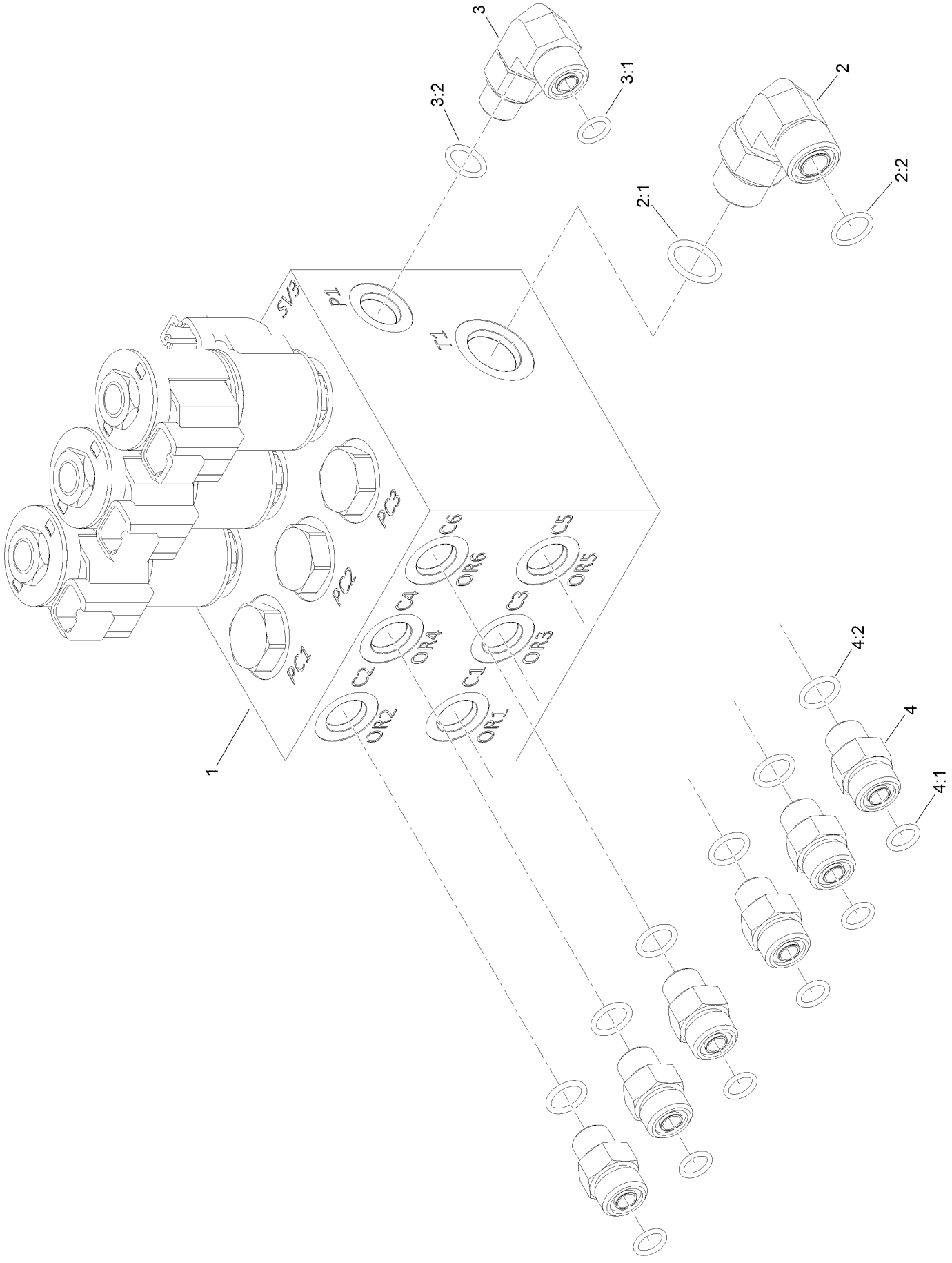


Return Manifold Assembly No. 133-5957 (continued)

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

● Not serviced separately

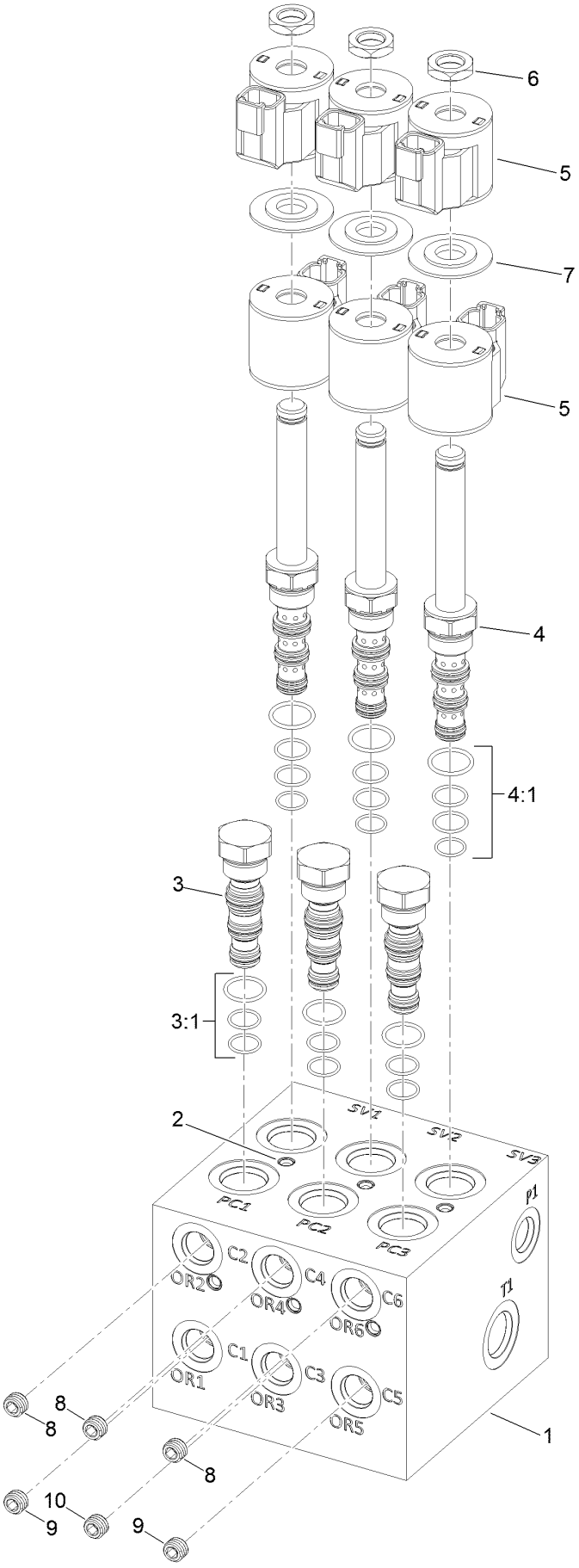
Setup Manifold Assembly



Setup Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-5955	1	Setup Manifold ASM
2	340-98	1	Fitting-Elbow, 90 DEG
2:1	237-79	1	O-Ring
2:2	237-30	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
4	340-2	6	Fitting-Straight
4:1	237-22	1	O-Ring
4:2	237-42	1	O-Ring

Setup Manifold Assembly No. 133-5955

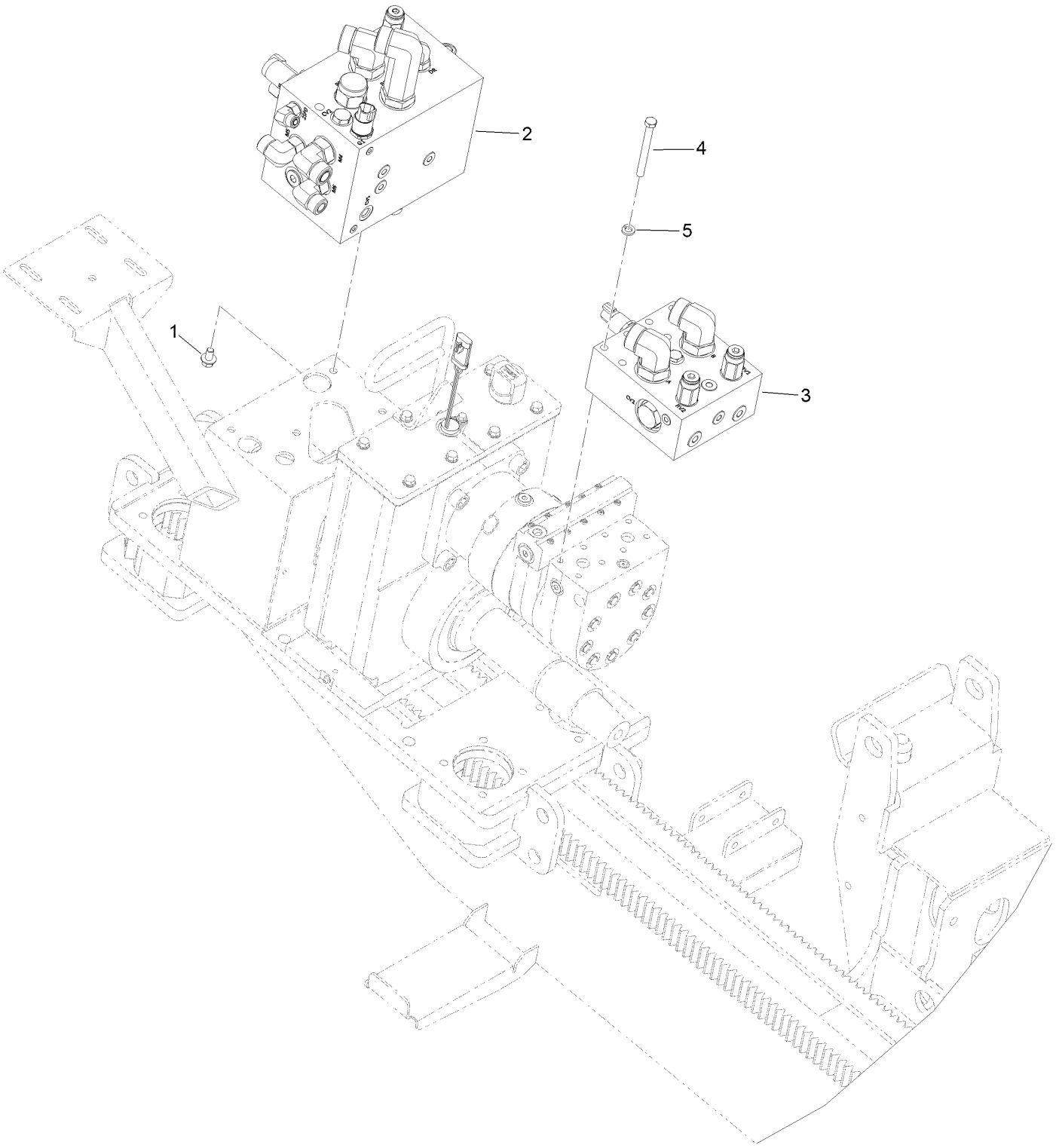


Setup Manifold Assembly No. 133-5955 (continued)

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

● Not serviced separately

Thrust Manifold and Rotary Relief Manifold Assembly

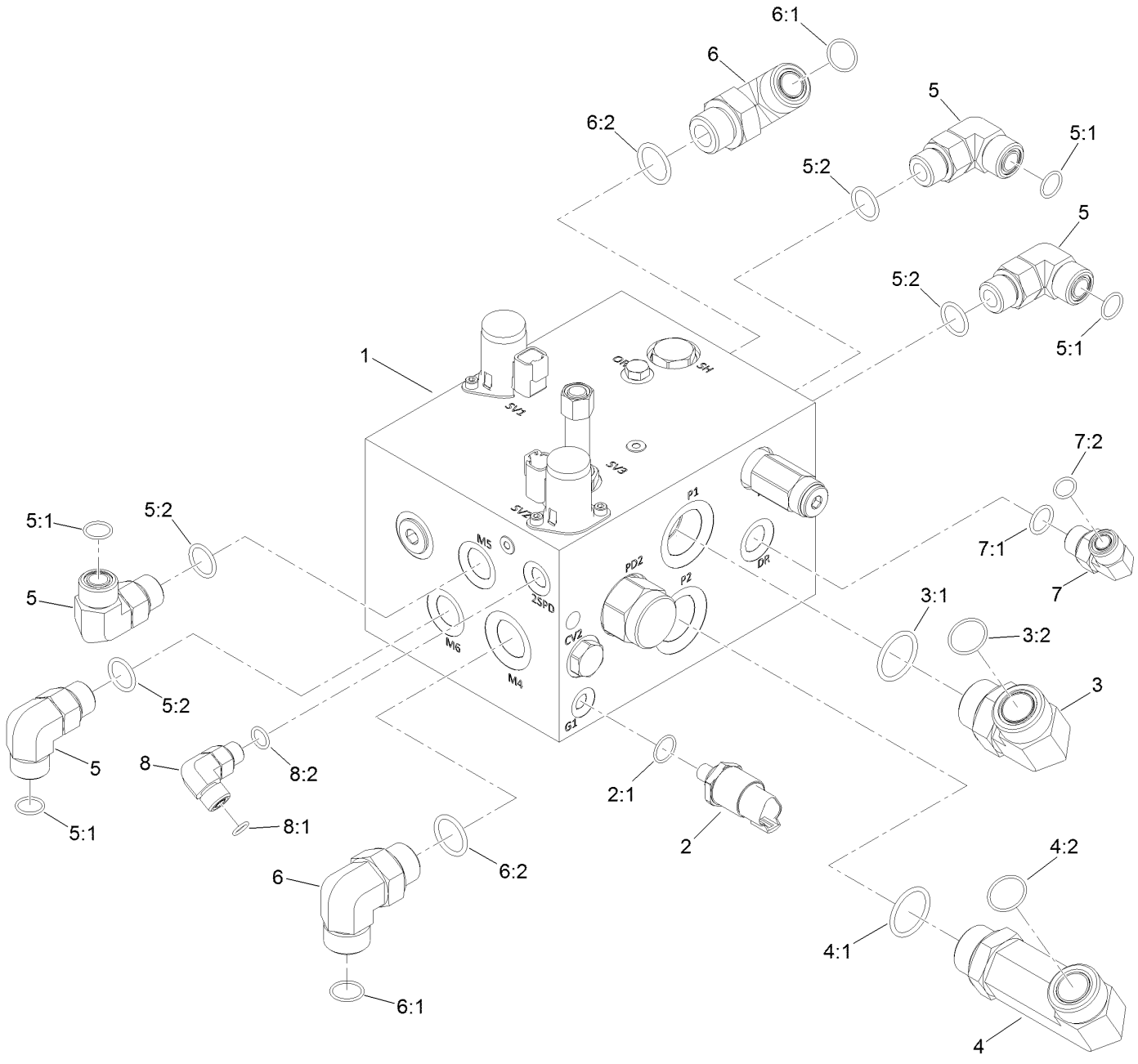


Thrust Manifold and Rotary Relief Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
1	3234-9	4	Screw-HHF
2		1	Thrust Manifold ASM ●
3		1	Rotary Relief Manifold ASM ●
4	116-9362	8	Screw-HH
5	3253-5	8	Washer-Lock

● Not serviced separately

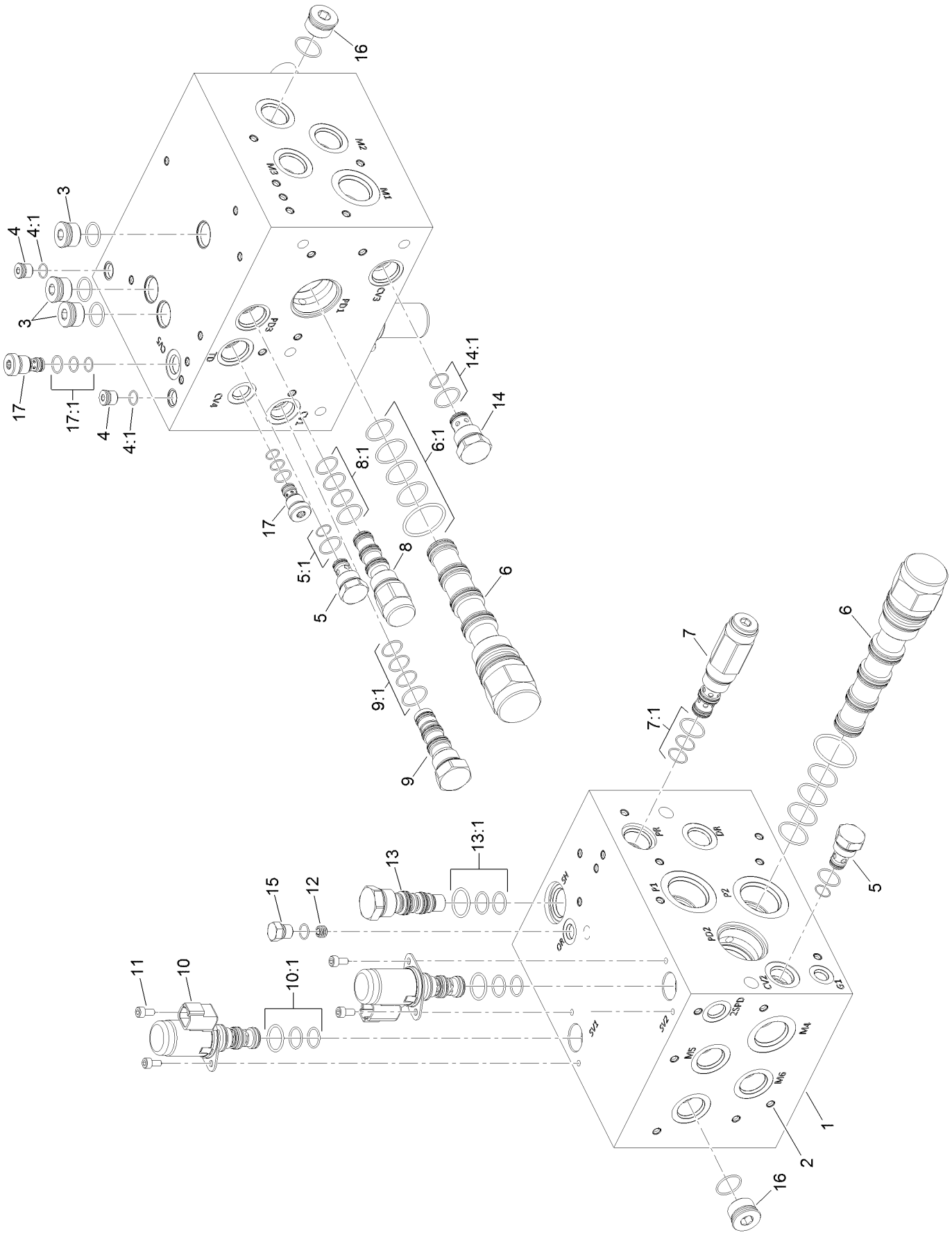
Thrust Manifold Assembly



Thrust Manifold Assembly (continued)

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

Thrust Manifold Assembly No. 133-5951

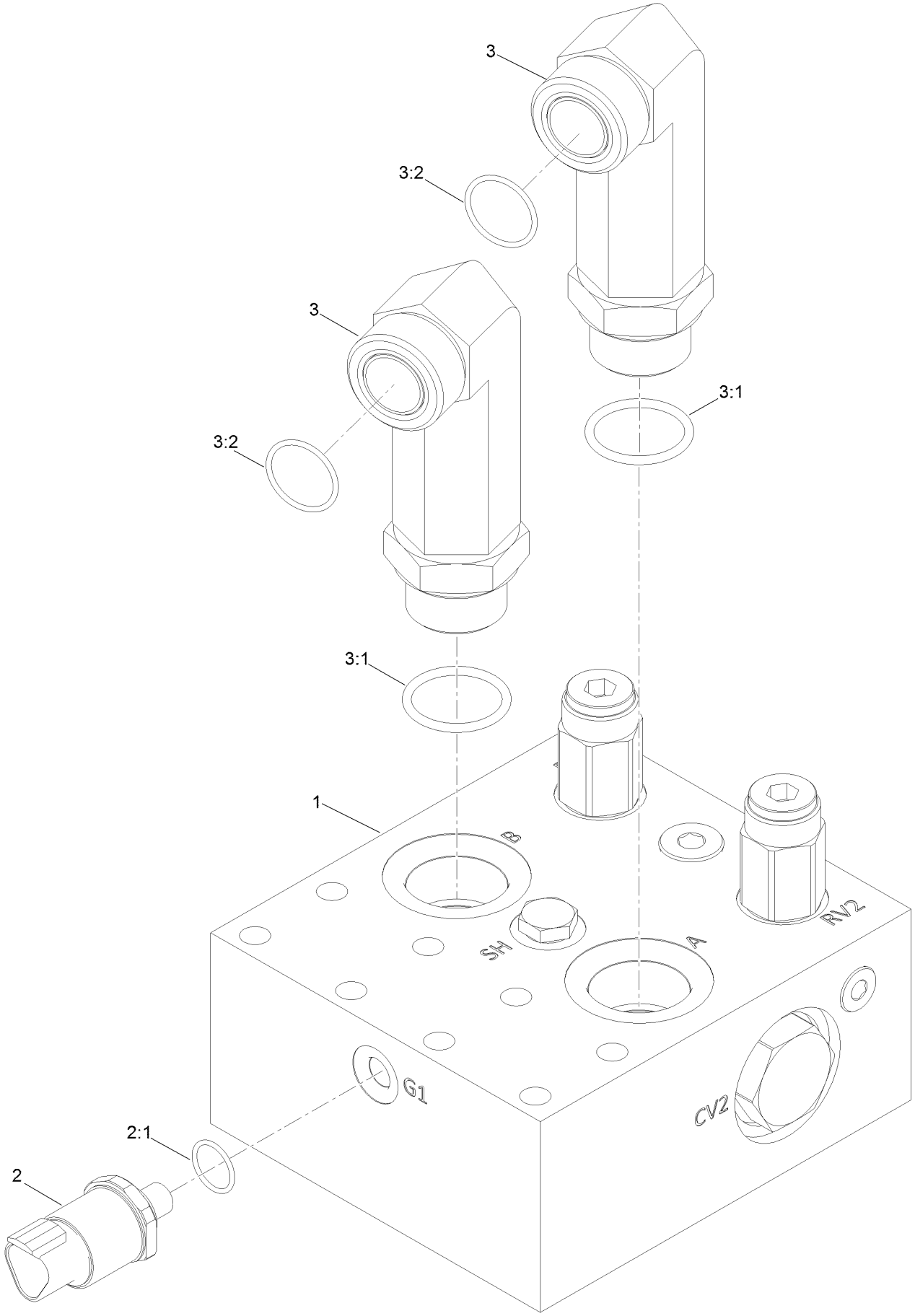


Thrust Manifold Assembly No. 133-5951 (continued)

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

● Not serviced separately

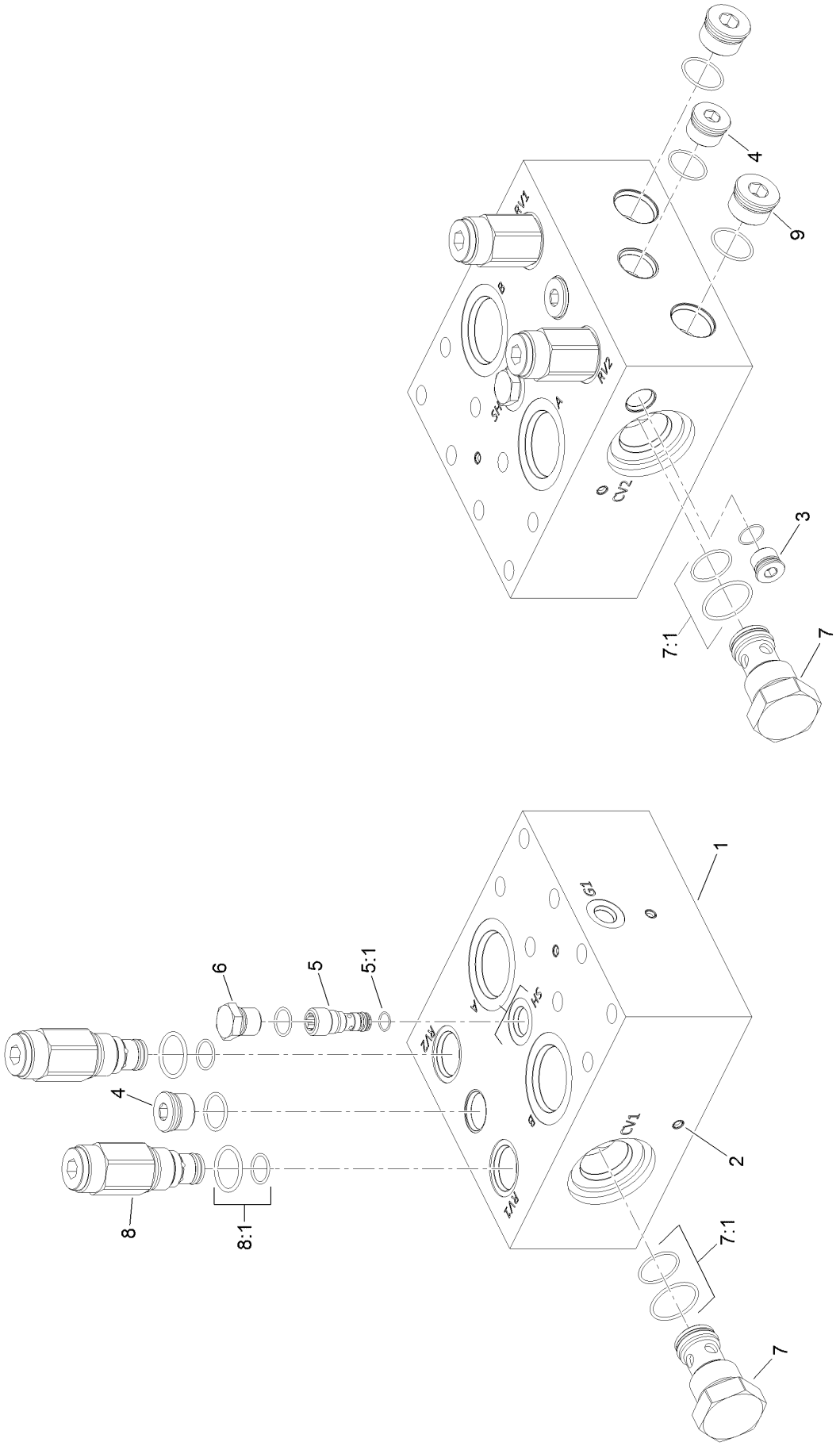
Rotary Relief Manifold Assembly



Rotary Relief Manifold Assembly (continued)

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

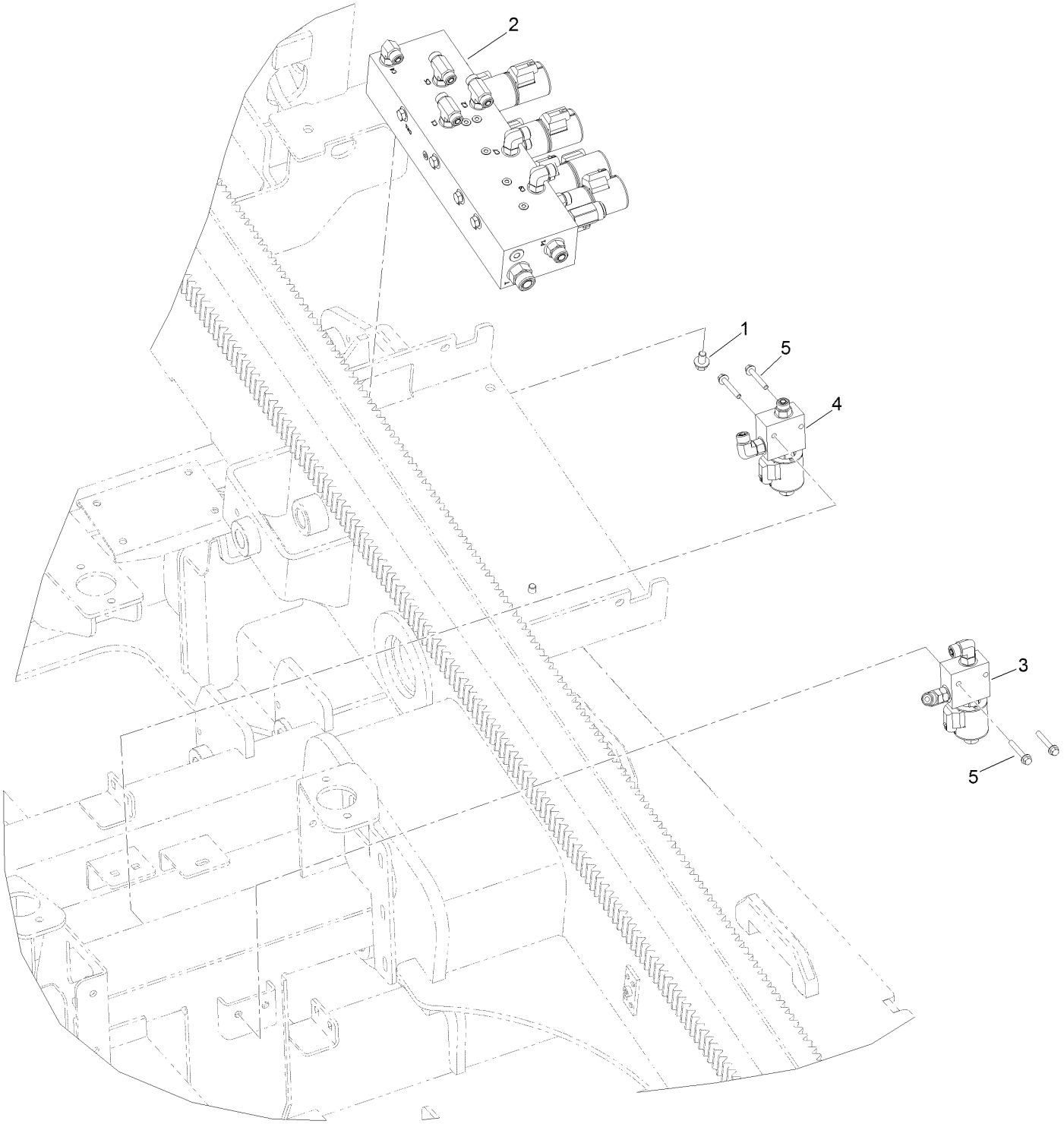


Rotary Relief Manifold Assembly No. 133-5961 (continued)

Ref.	Part Number	Qty.	Description
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
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

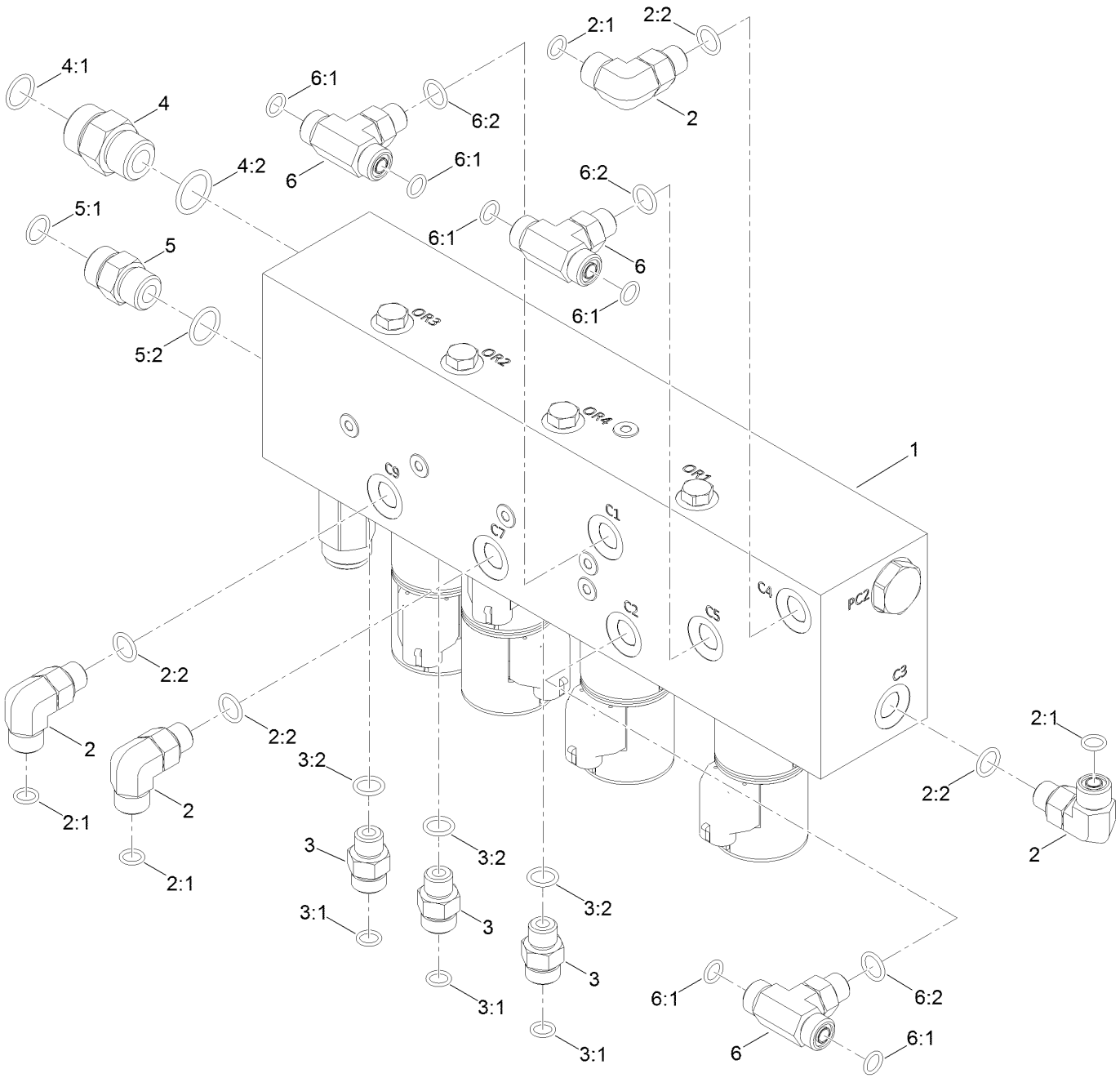


Loading and Proportional Relief Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
1	3234-9	3	Screw-HHF
2		1	Loading Manifold ASM ●
3		1	Front Proportional Relief Manifold ASM ●
4		1	Rear Proportional Relief Manifold ASM ●
5	32105-18	4	Screw-HHF

● Not serviced separately

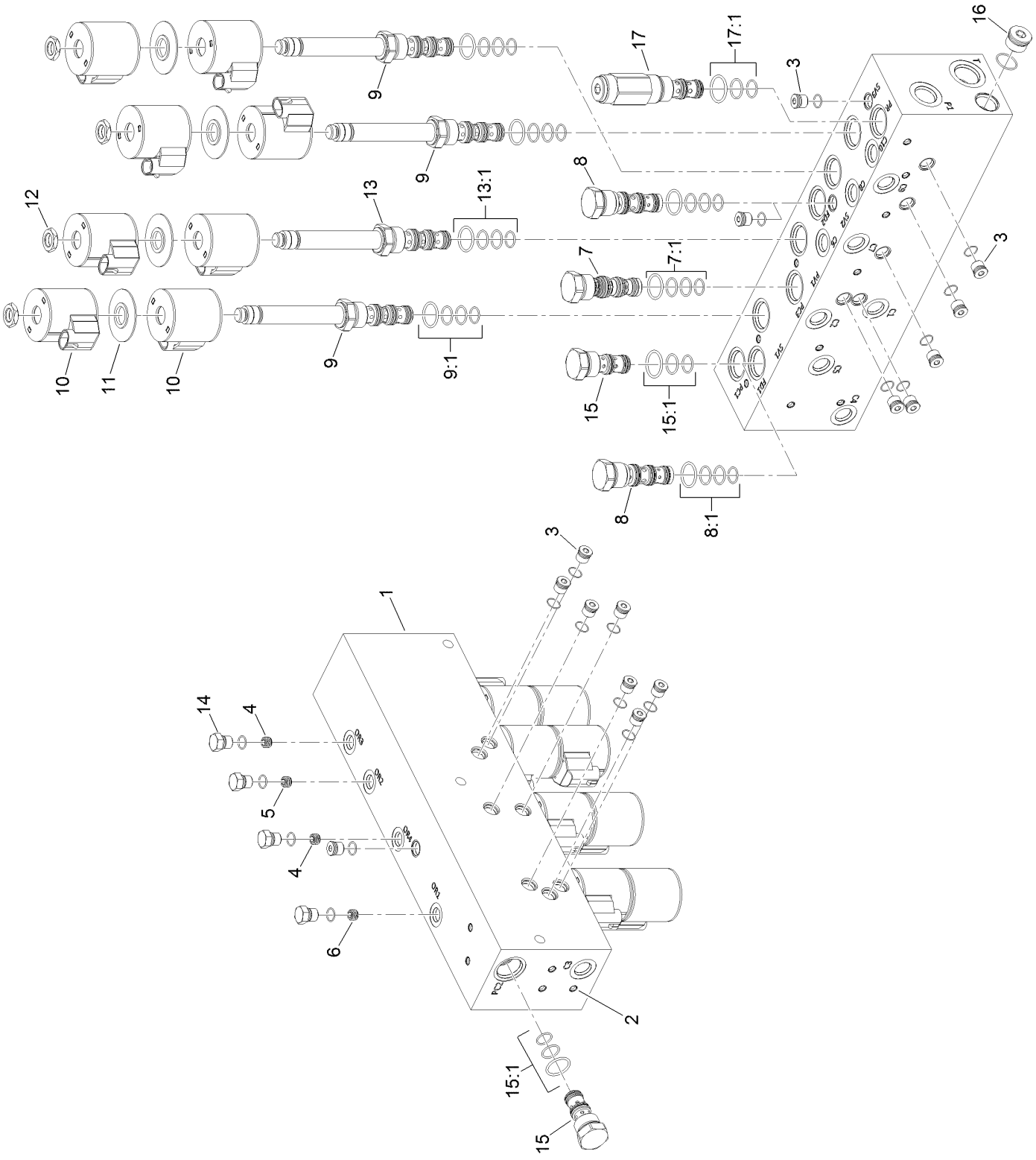
Loading Manifold Assembly



Loading Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

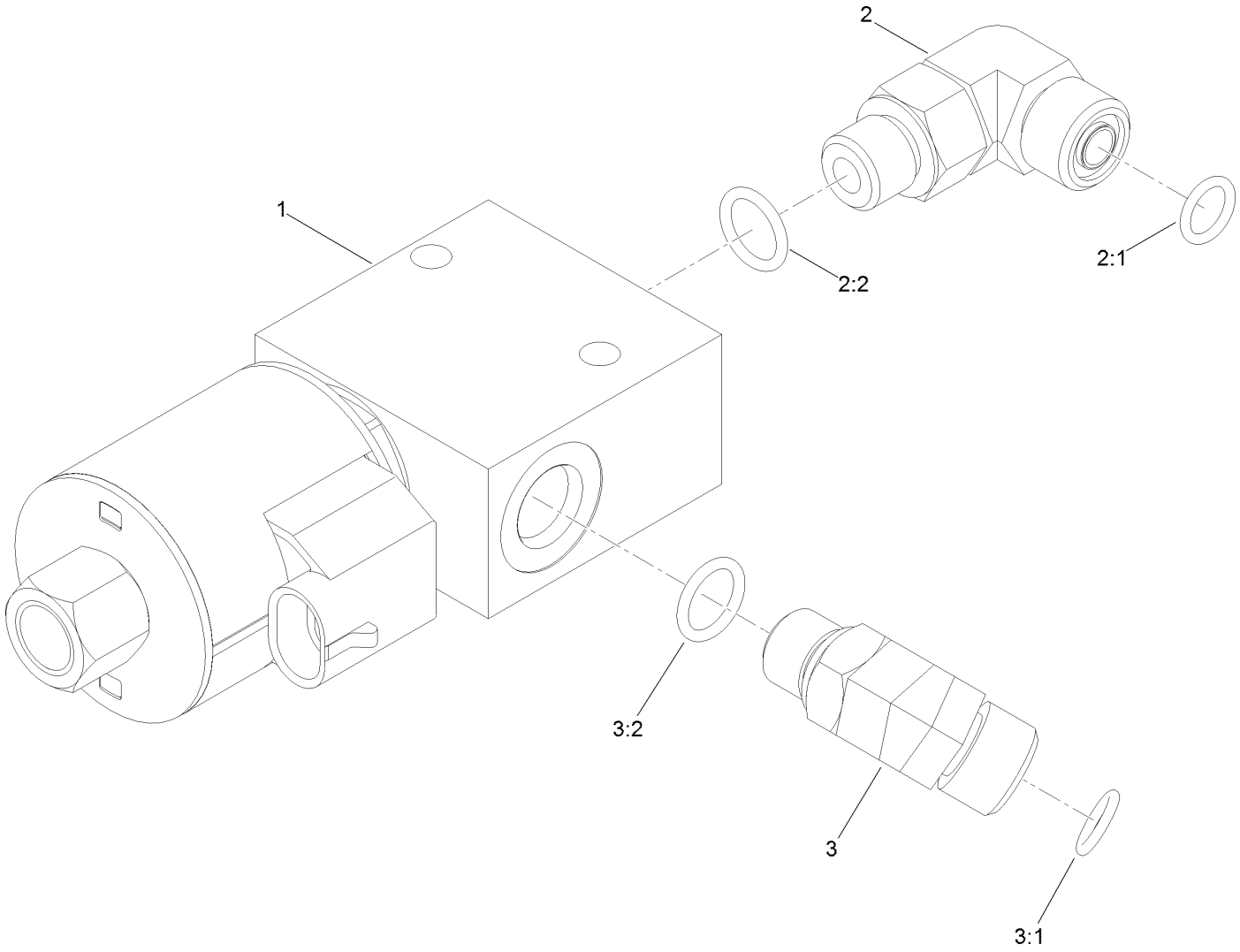


Loading Manifold Assembly No. 133-5954 (continued)

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

● Not serviced separately

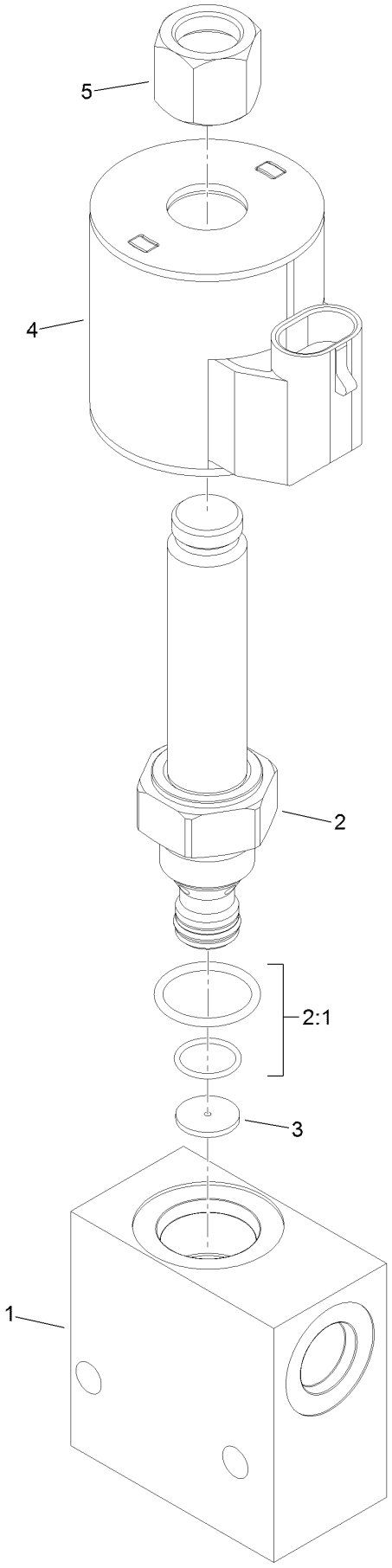
Front Proportional Relief Manifold Assembly



Front Proportional Relief Manifold Assembly (continued)

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

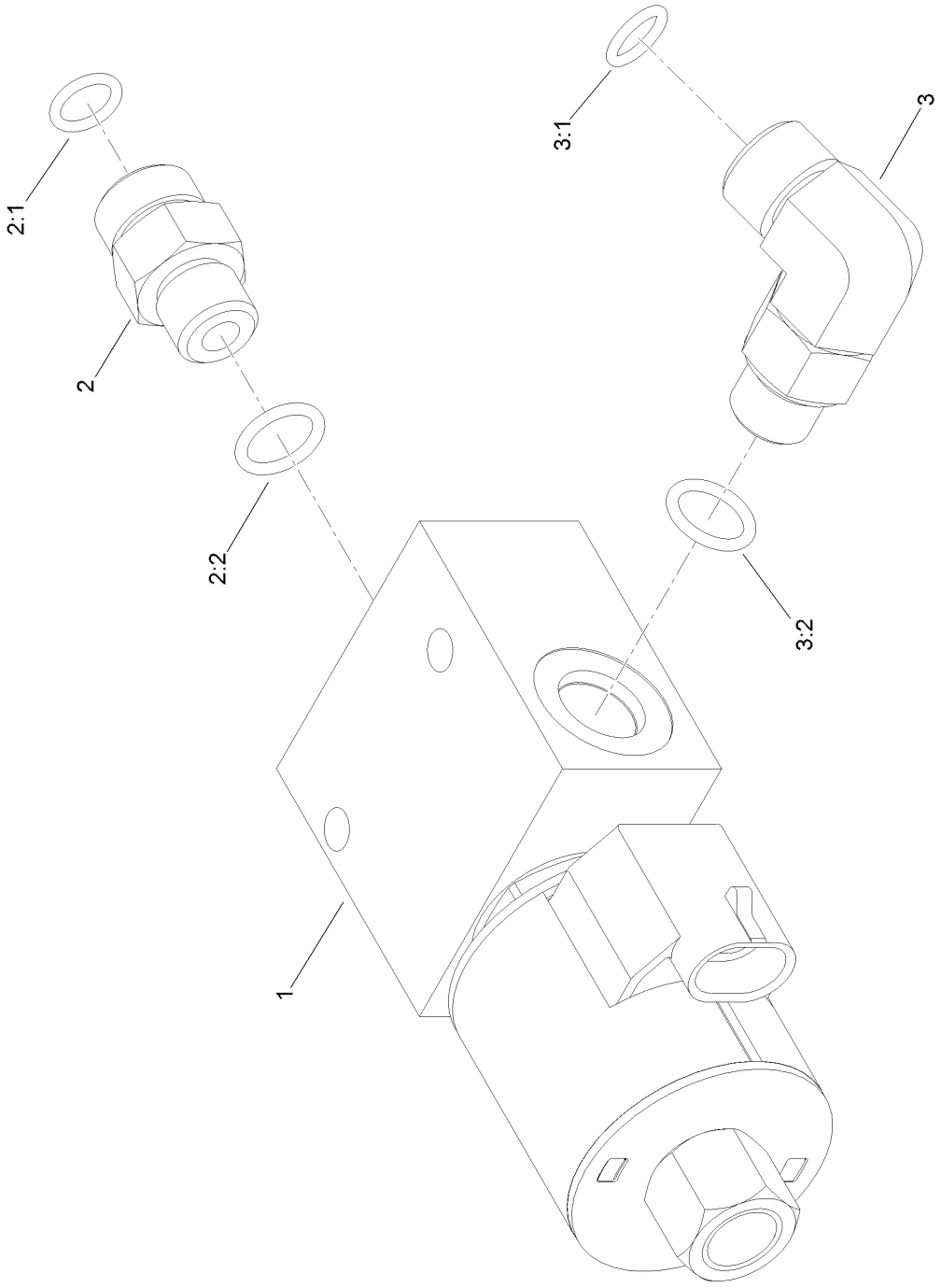


Proportional Relief Manifold Assembly No. 136-8850 (continued)

Ref.	Part Number	Qty.	Description
1		1	Block-Manifold ●
2	137-5129	1	Valve-Pressure Relief, Prop
2:1	126-9388	1	Seal Kit
3	137-5128	1	Disc-Orifice (.055)
4	110-6344	1	Coil-12V, Dc
5	130-8180	1	Nut-Coil

● Not serviced separately

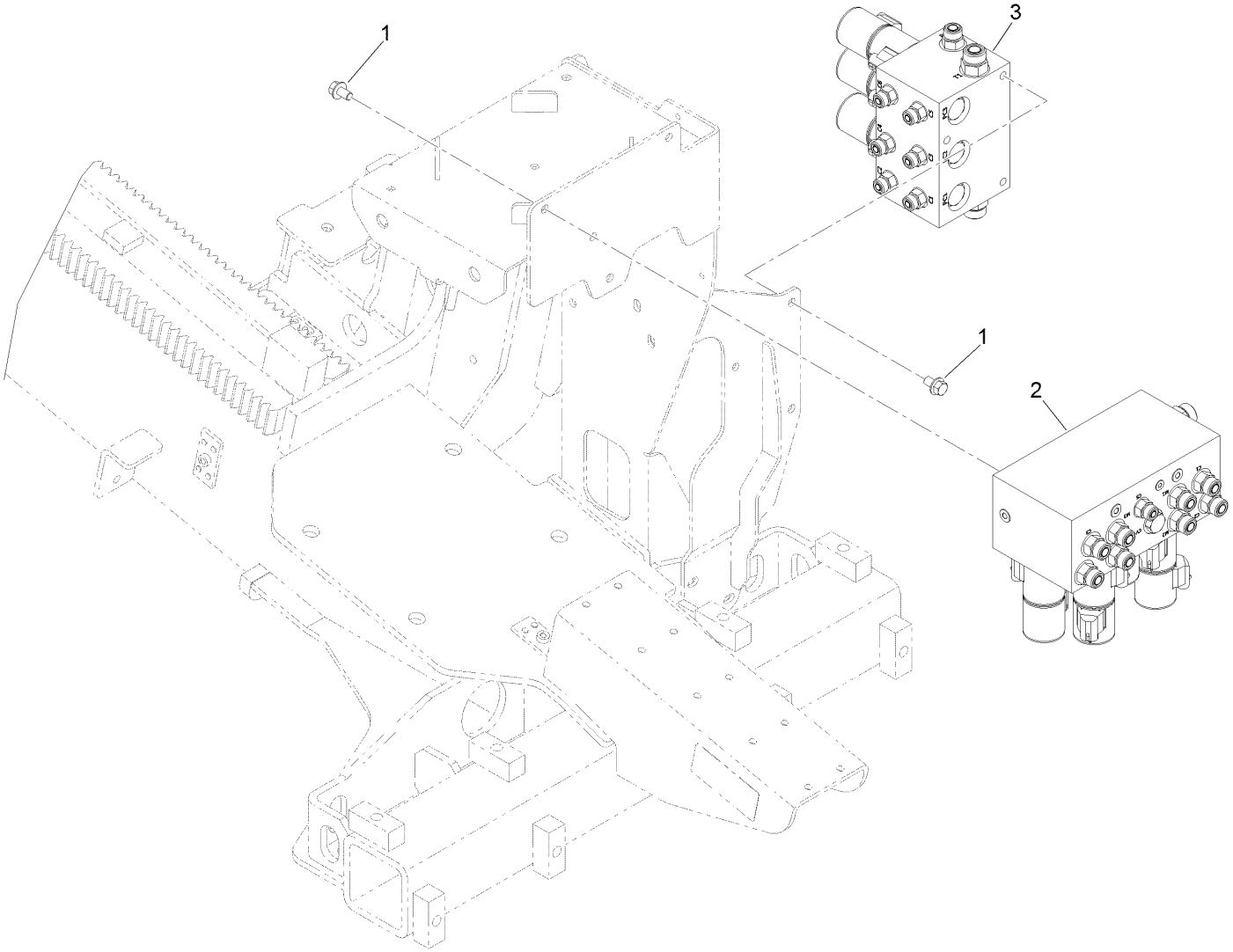
Rear Proportional Relief Manifold Assembly



Rear Proportional Relief Manifold Assembly (continued)

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

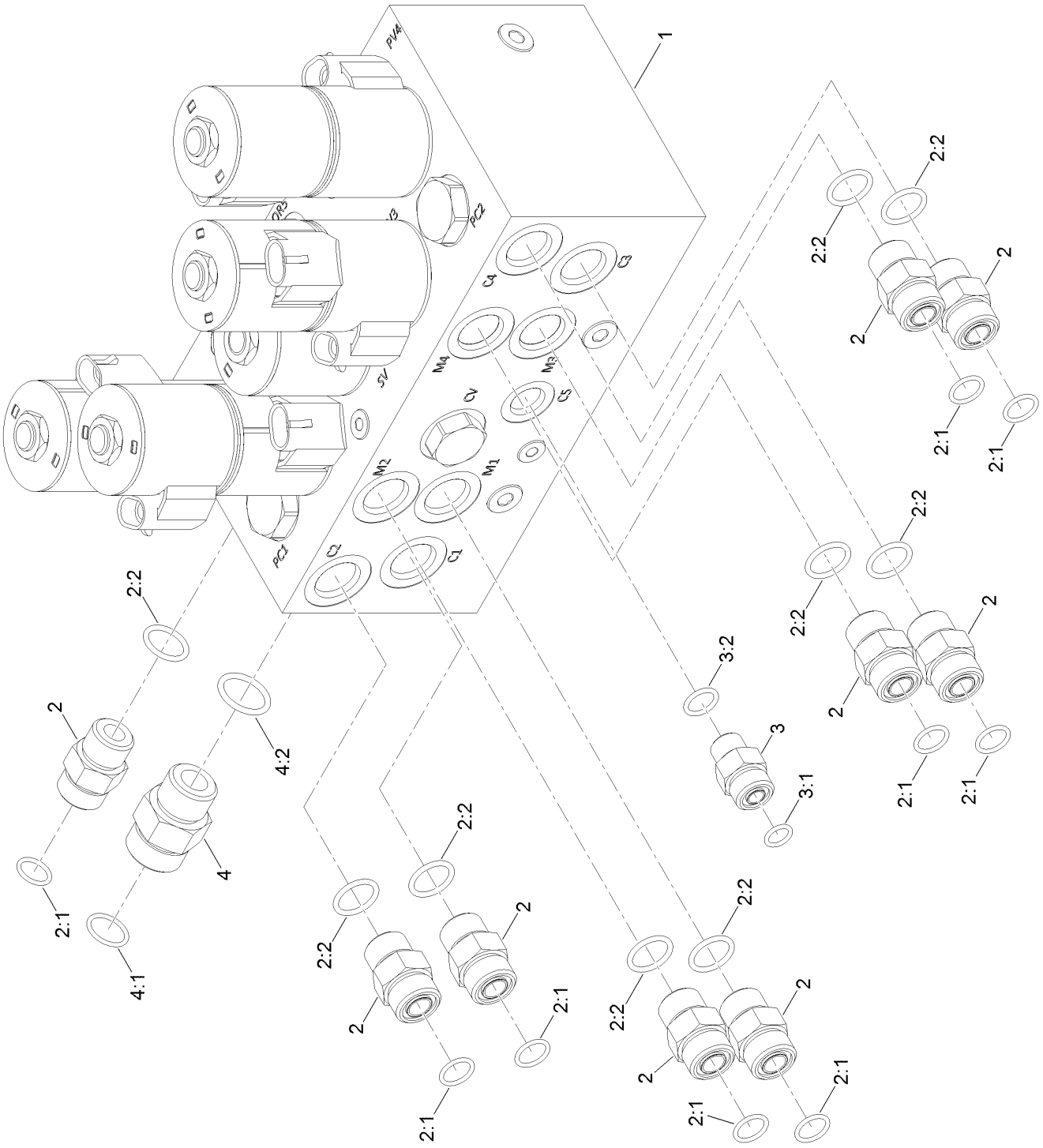


Stake Manifold and Wrench Manifold Assembly (continued)

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

● Not serviced separately

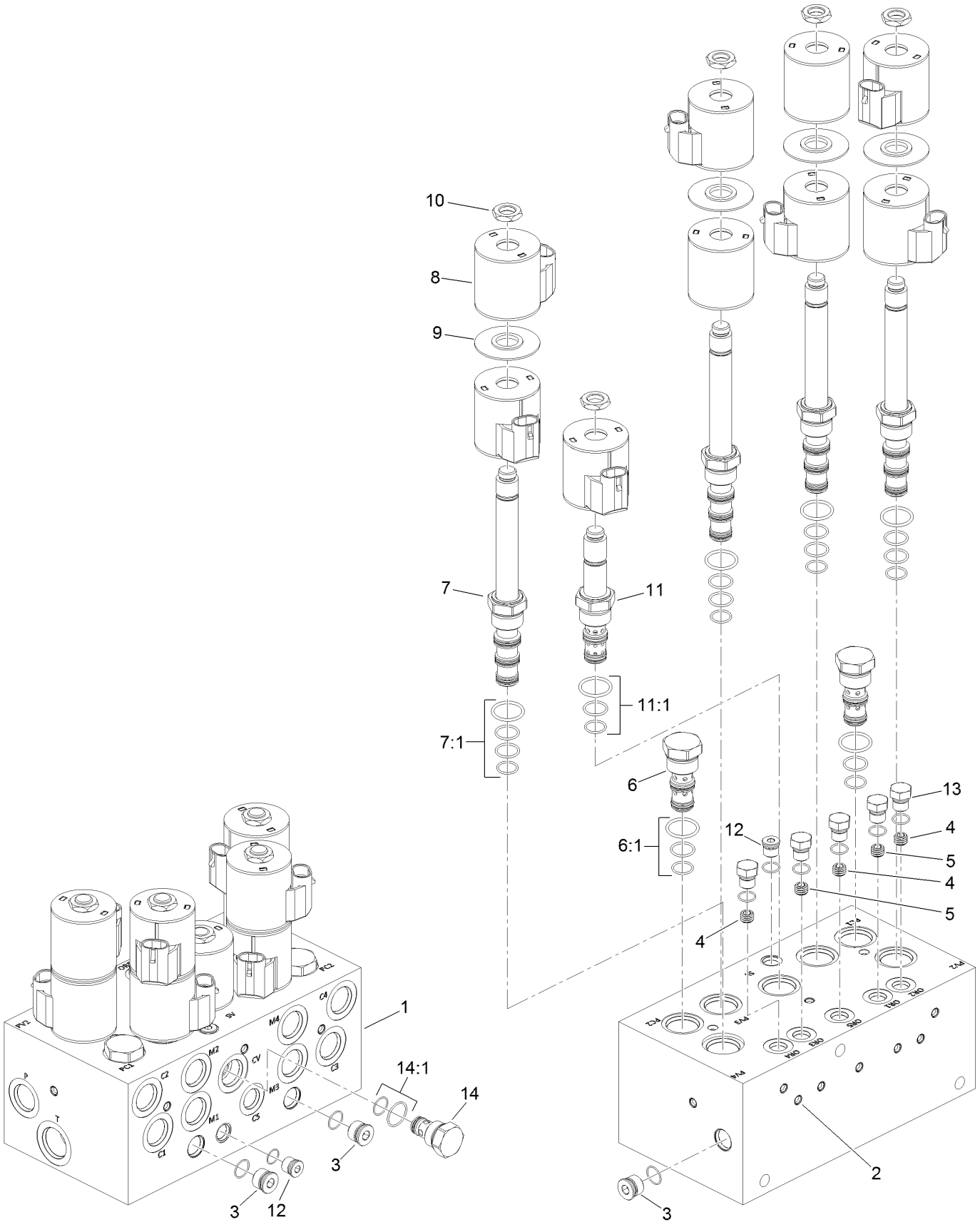
Stake Manifold Assembly



Stake Manifold Assembly (continued)

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

Stake Manifold Assembly No. 133-5953

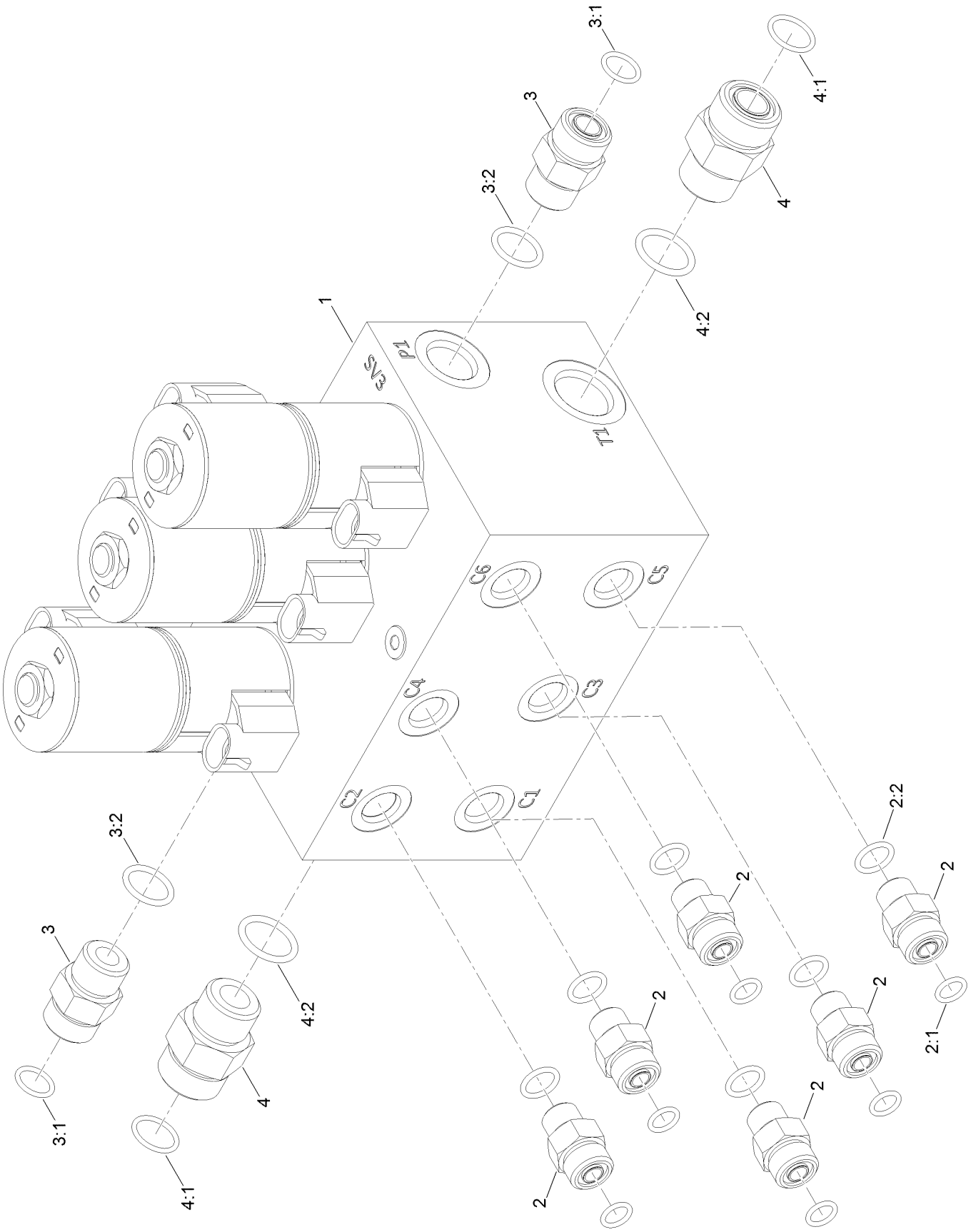


Stake Manifold Assembly No. 133-5953 (continued)

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

● Not serviced separately

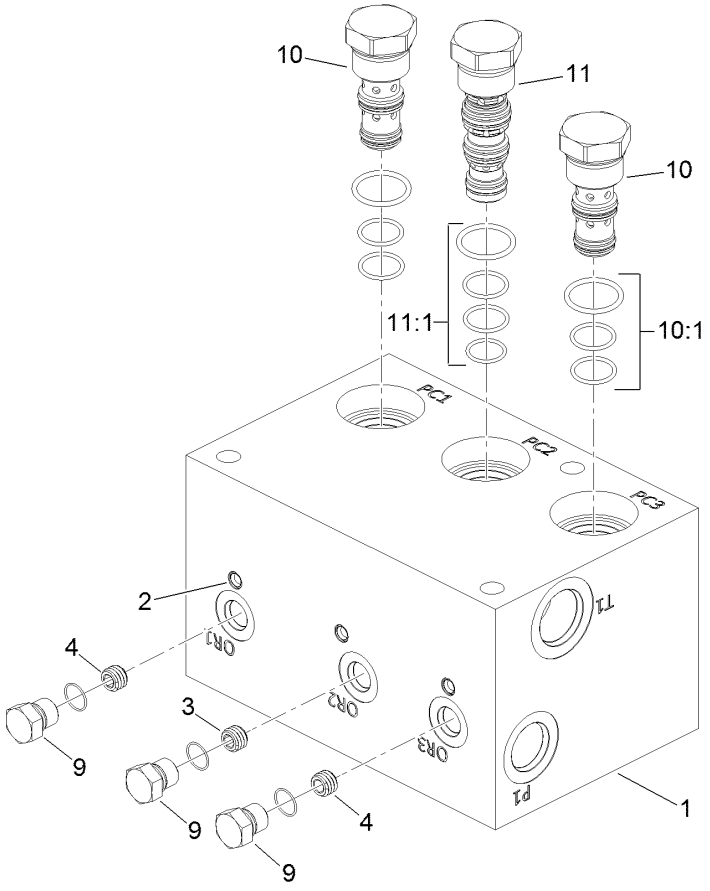
Wrench Manifold Assembly

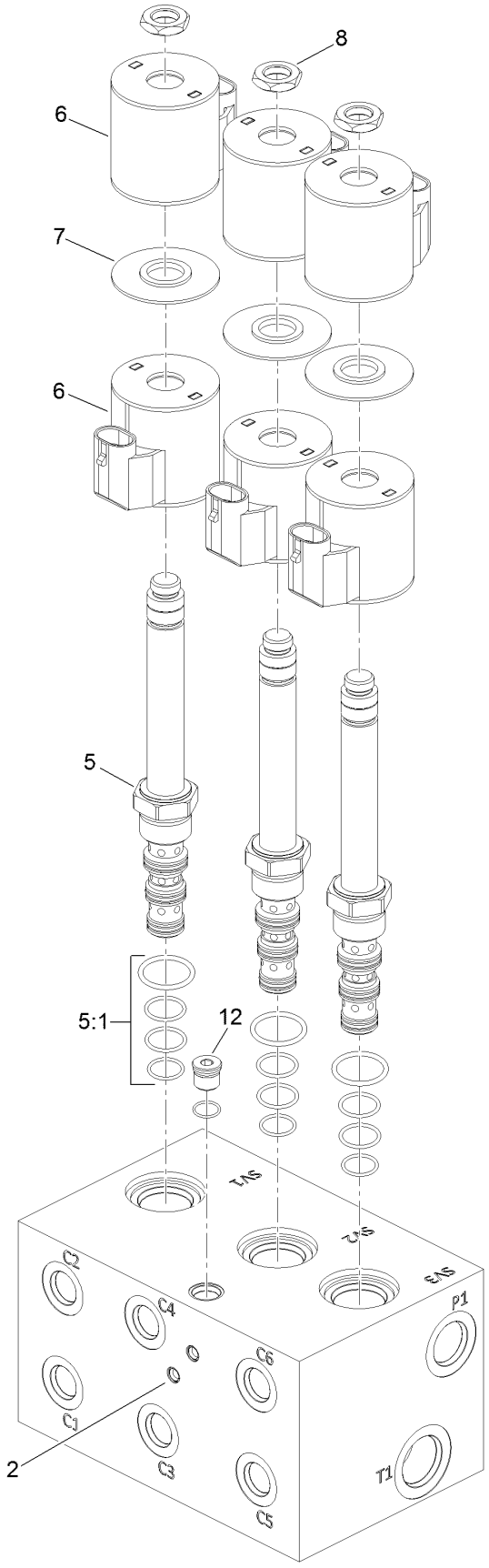


Wrench Manifold Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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



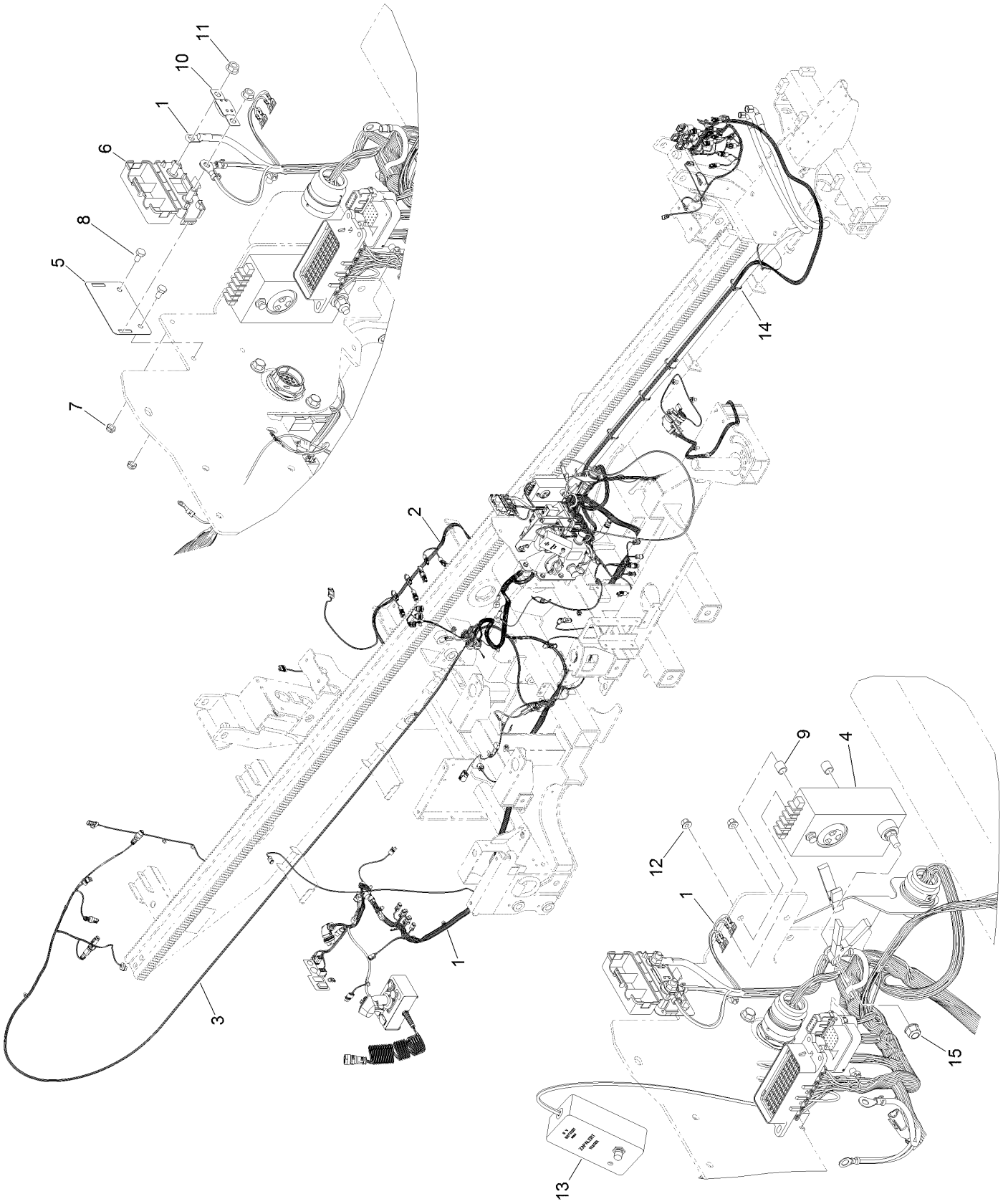


Wrench Manifold Assembly No. 133-5952 (continued)

Ref.	Part Number	Qty.	Description
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
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

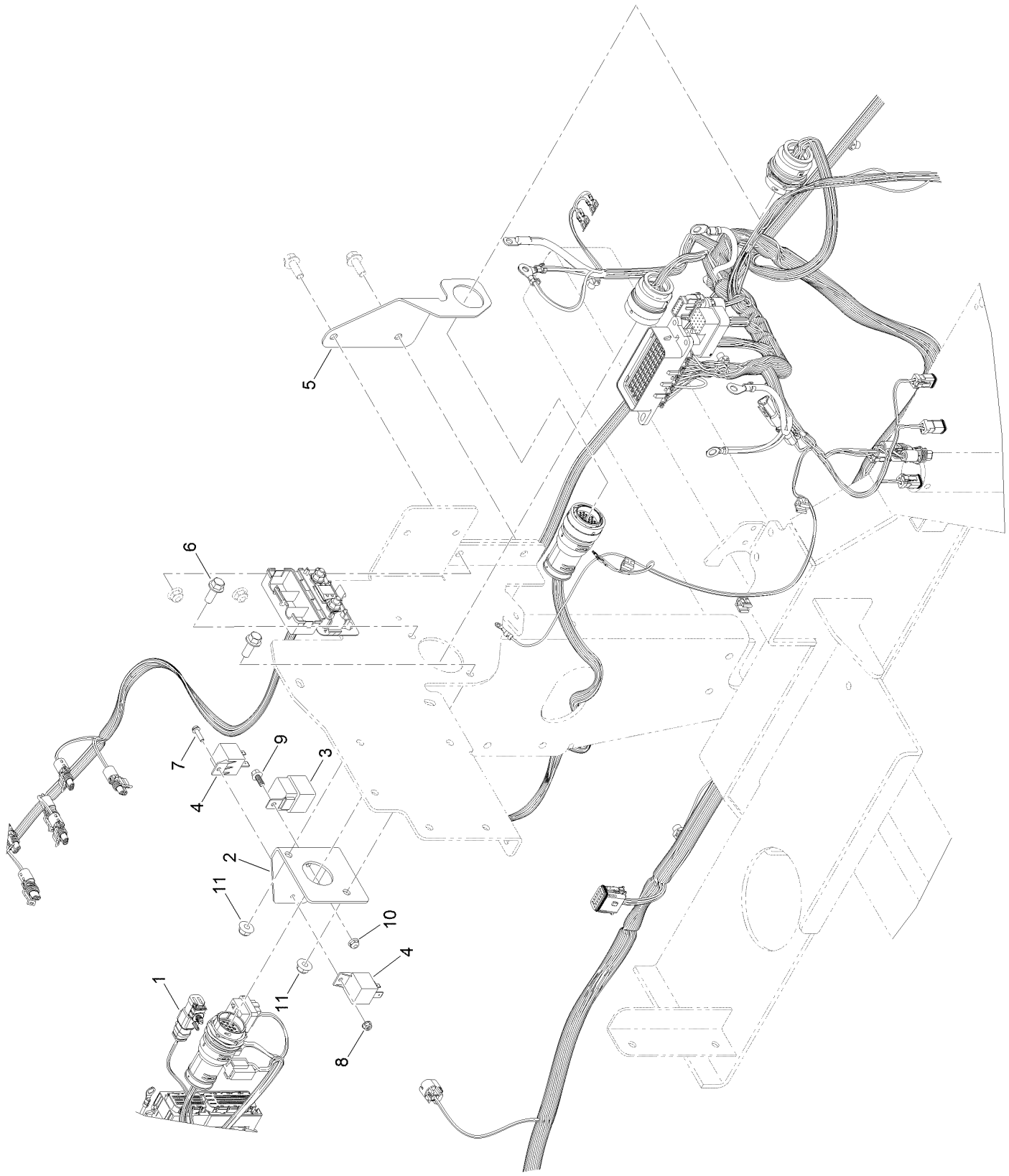
Main Wire Harness, Mega Fuse and Zap Alert Assembly



Main Wire Harness, Mega Fuse and Zap Alert Assembly (continued)

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

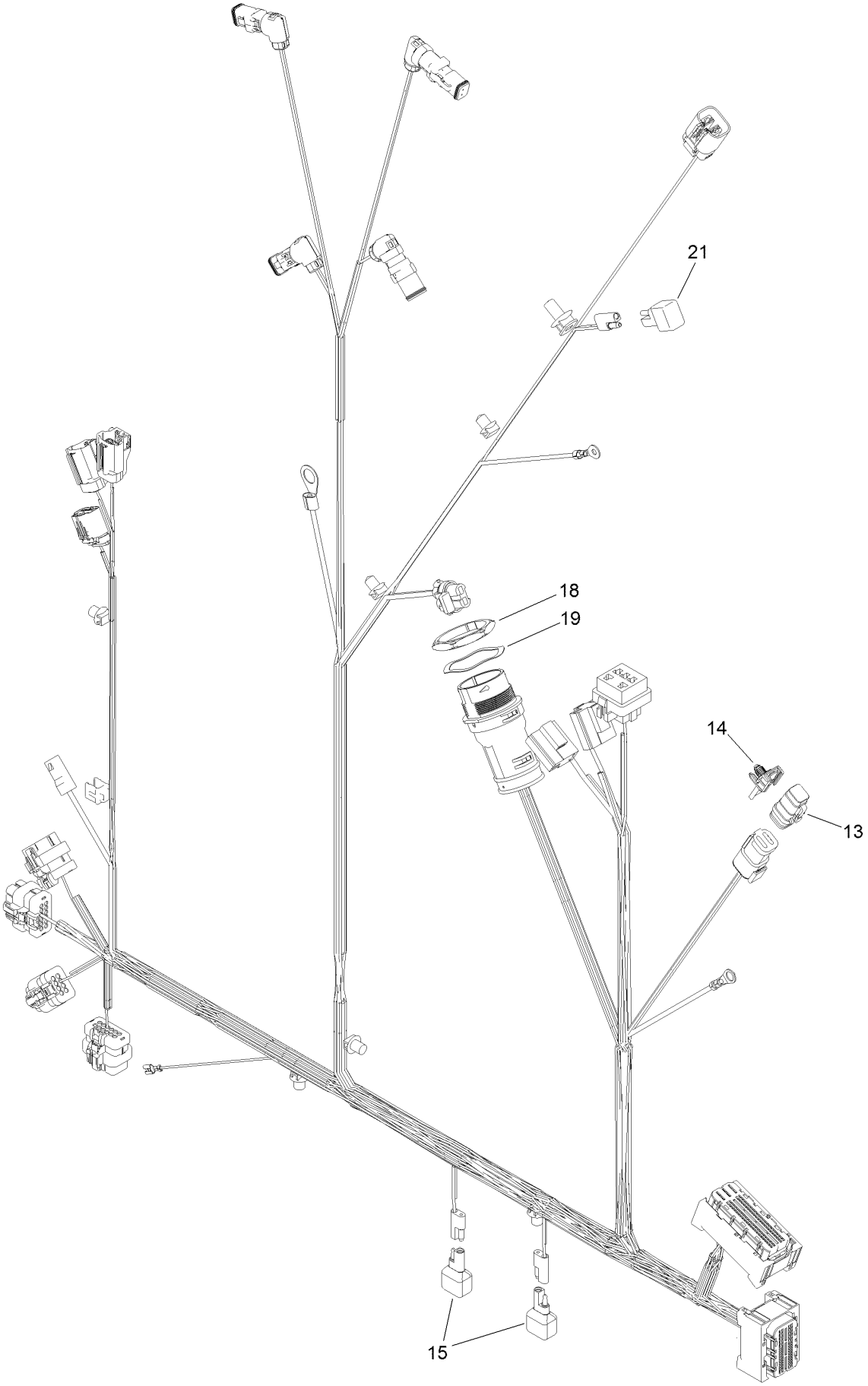
Engine Wire Harness Assembly



Engine Wire Harness Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

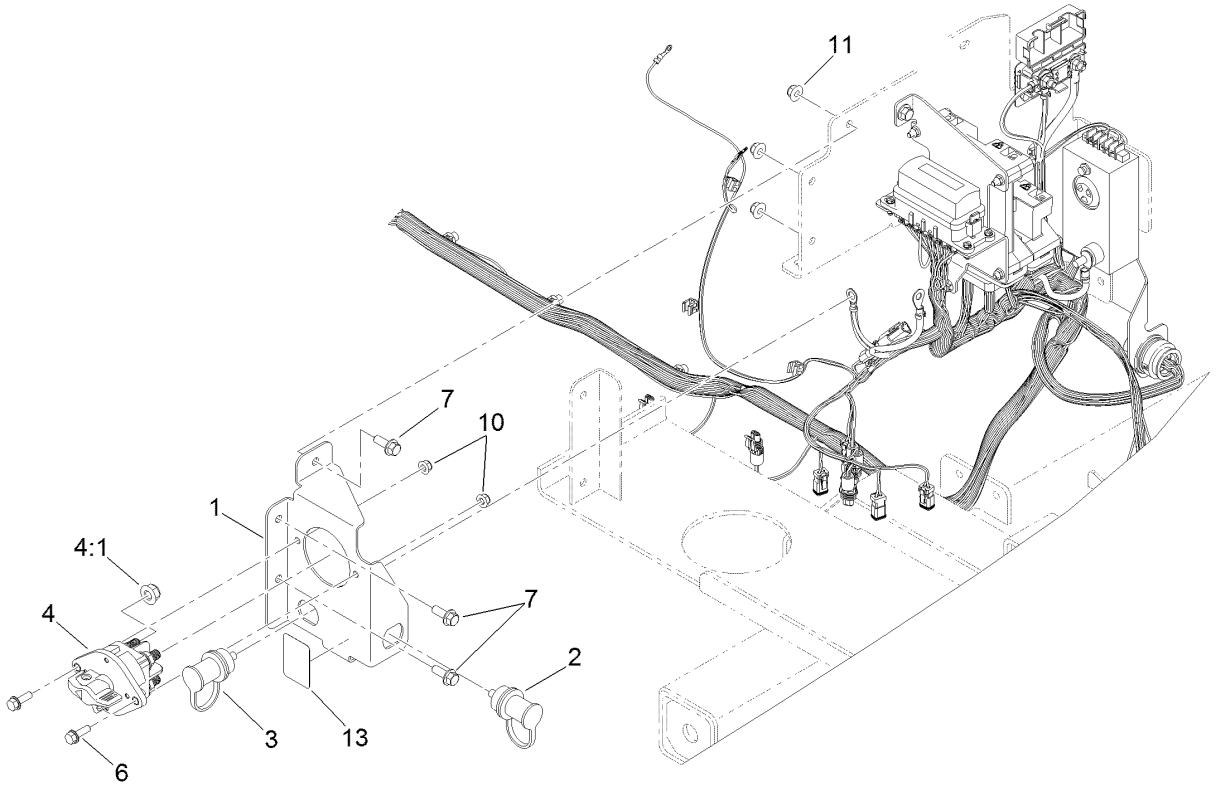
Wire Harness Assembly No. 122-0811

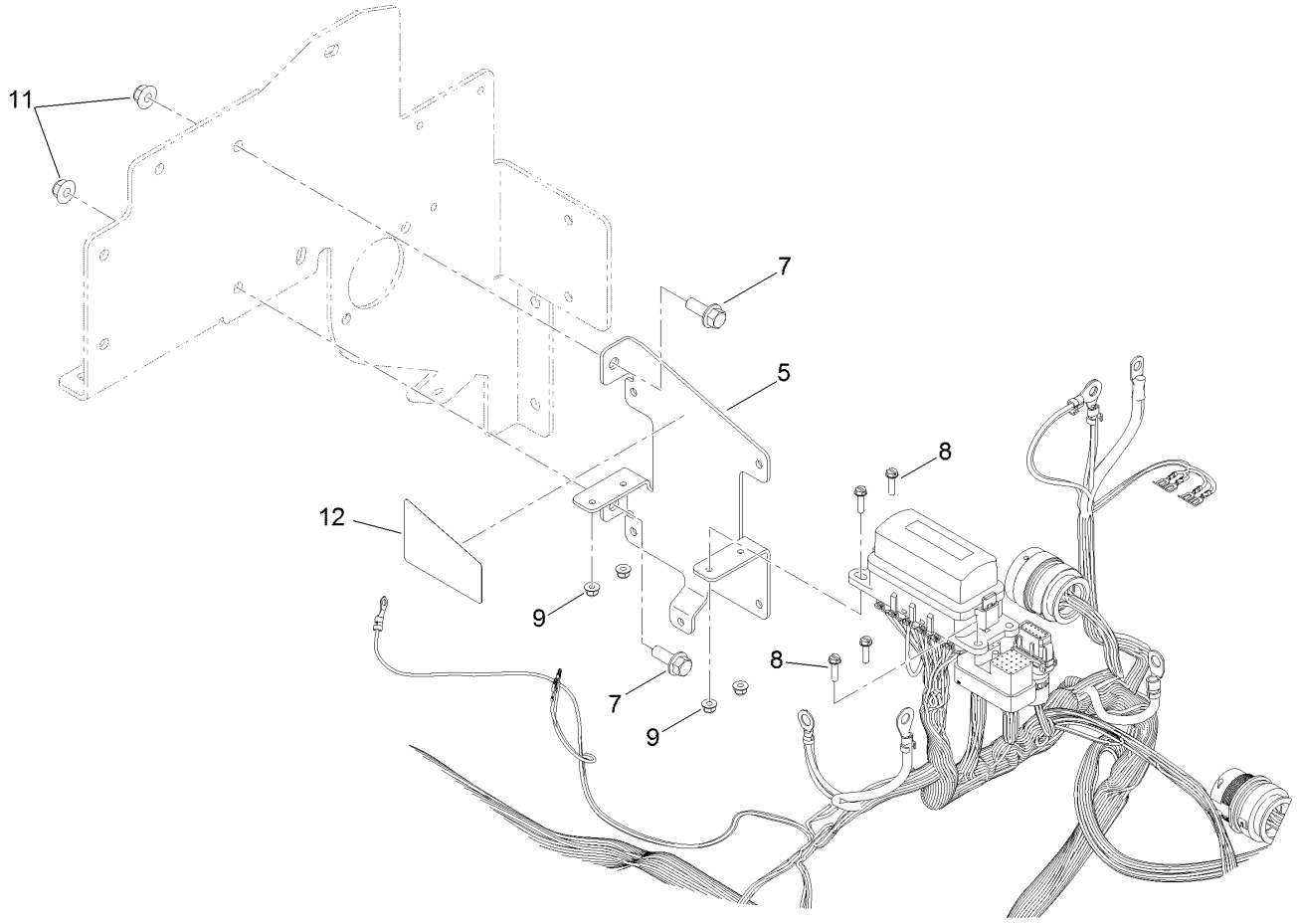


Wire Harness Assembly No. 122-0811 (continued)

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

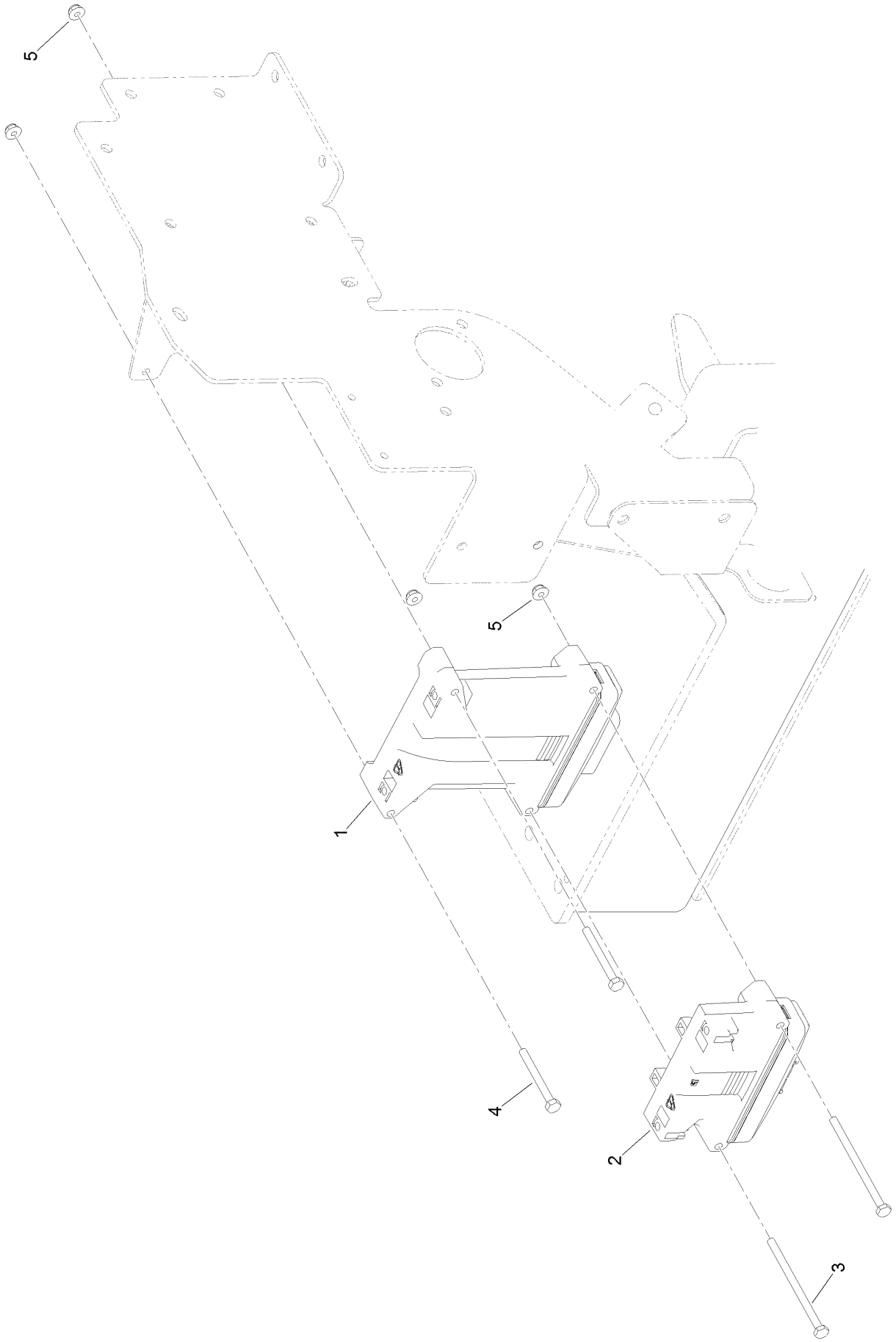




Fuse Block and Power Disconnect Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

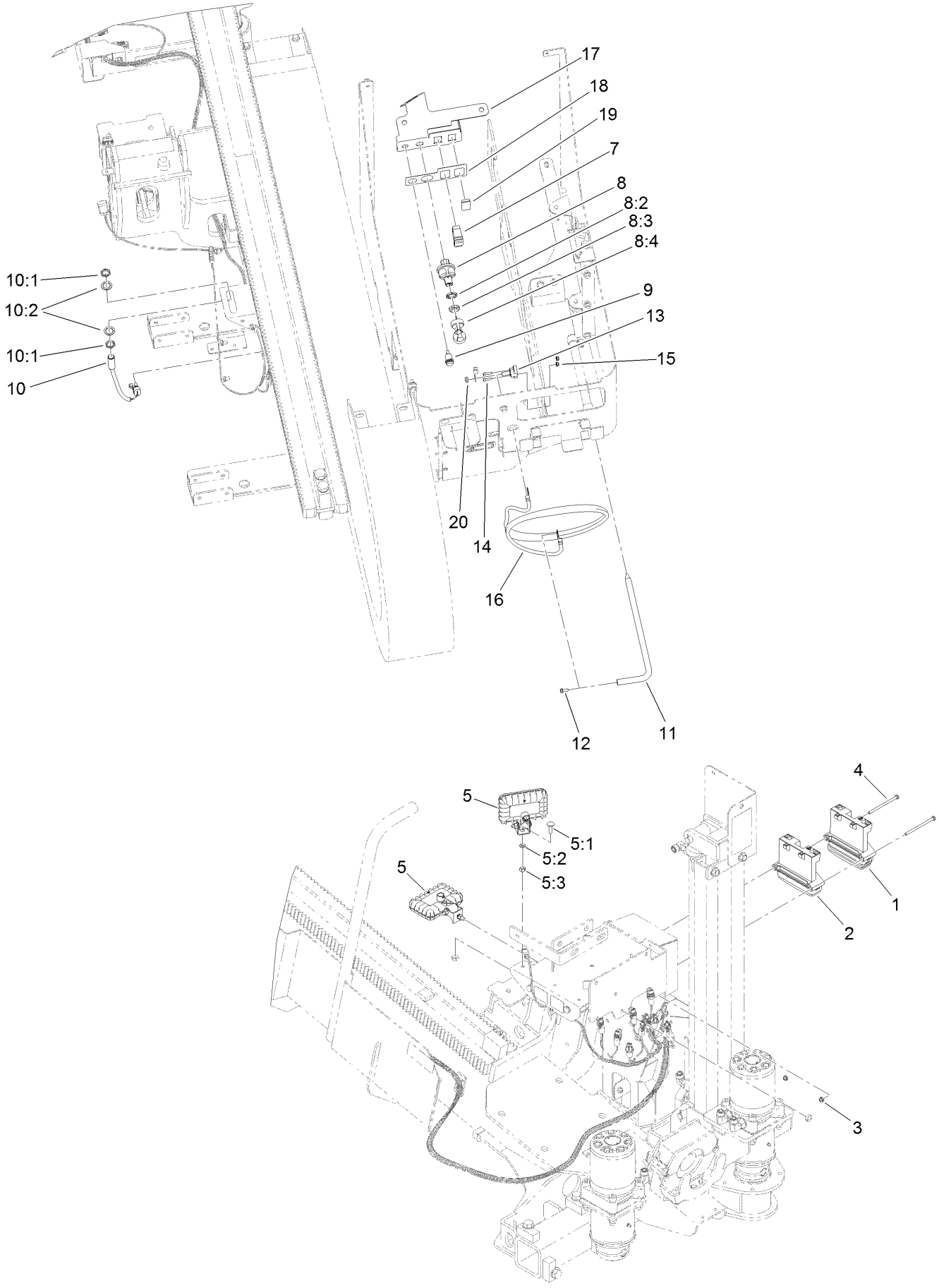
Control Module Assembly



Control Module Assembly (continued)

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

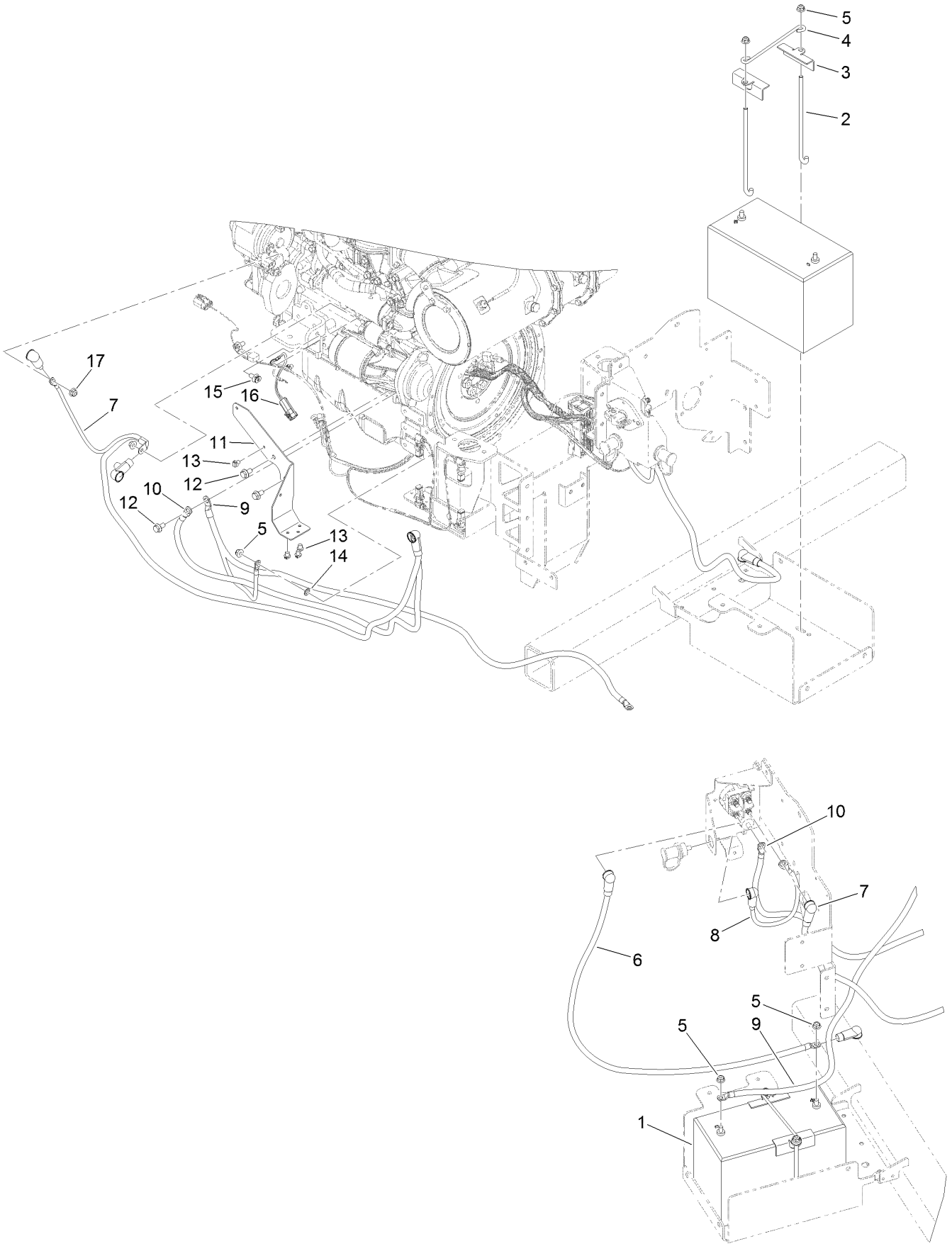
Rear Switch Panel and Work Lights Assembly



Rear Switch Panel and Work Lights Assembly (continued)

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

Battery Cables Assembly



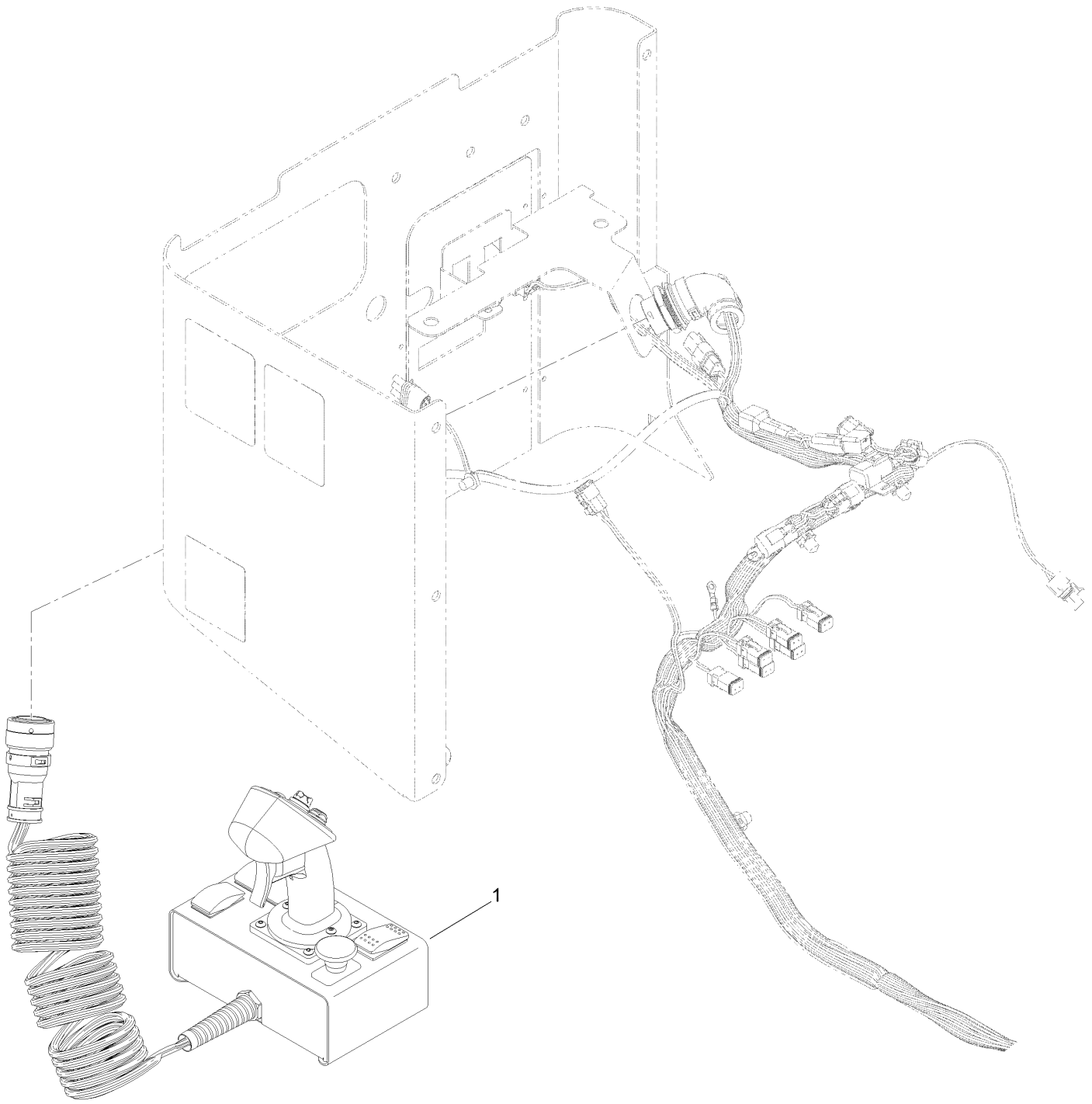
Battery Cables Assembly (continued)

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

● Obtain locally.

■ Not serviced separately

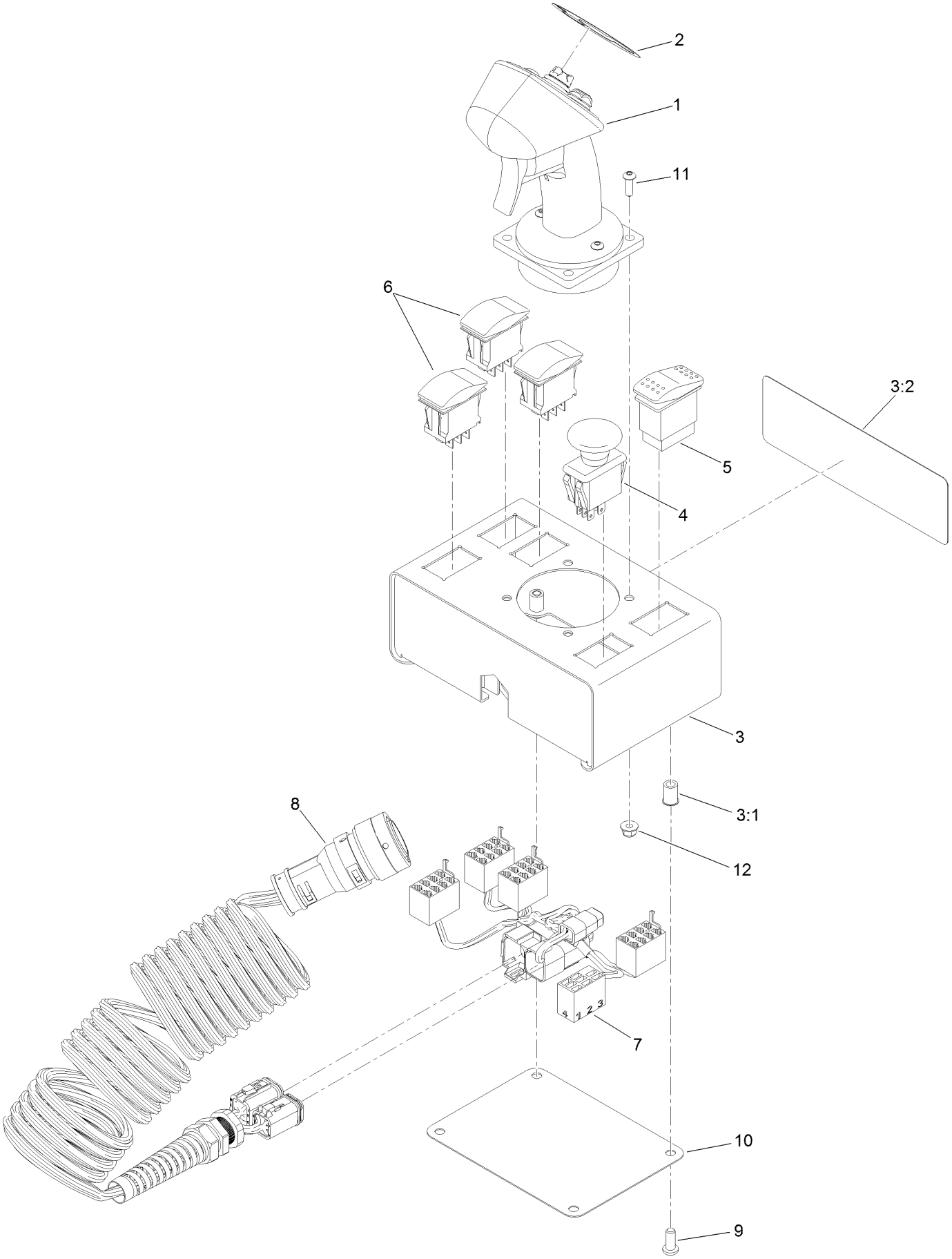
Travel Pendant Assembly



Travel Pendant Assembly (continued)

Ref.	Part Number	Qty.	Description
1	137-5296	1	Travel Pendant ASM

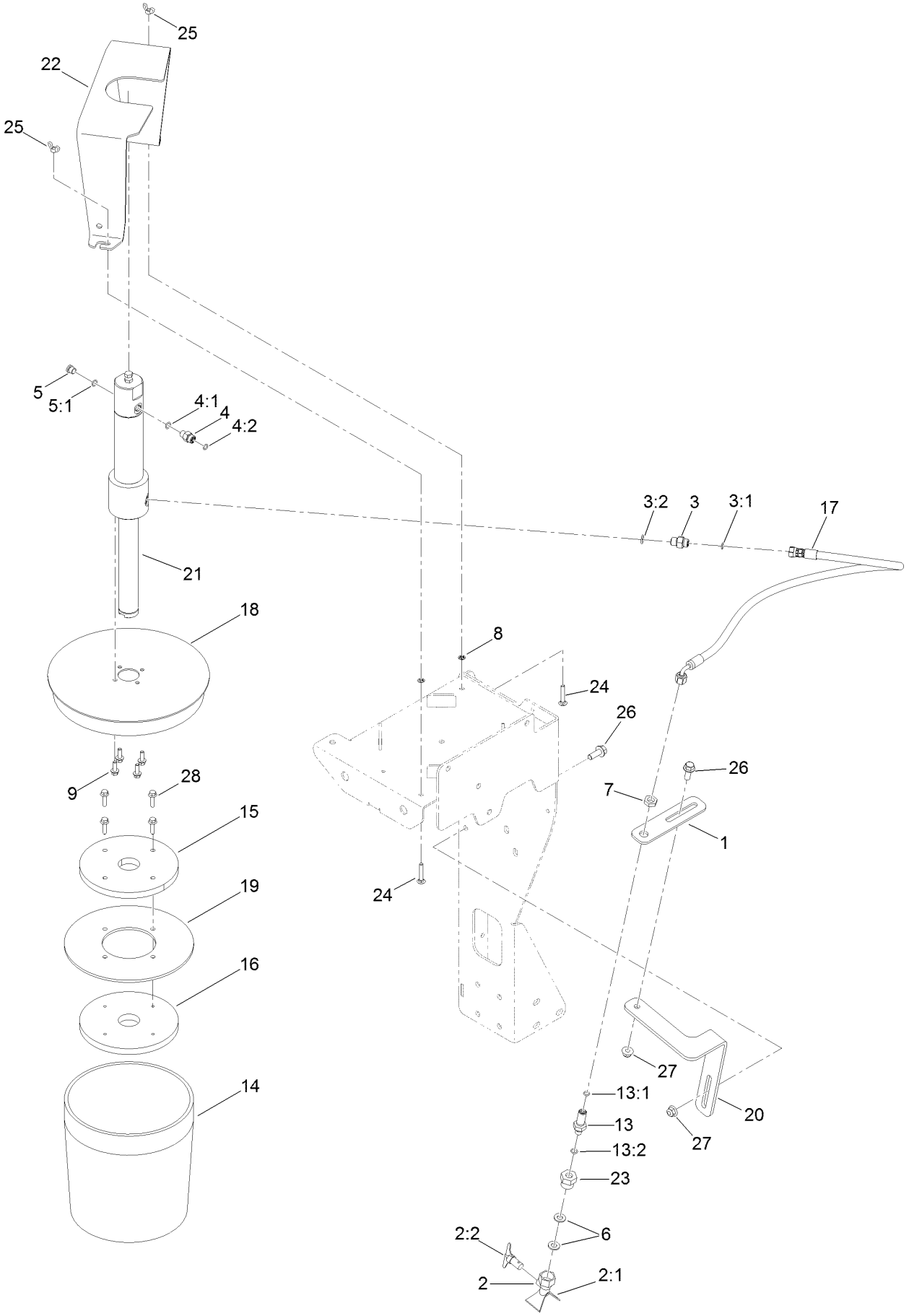
Travel Pendant Assembly No. 137-5296



Travel Pendant Assembly No. 137-5296 (continued)

Ref.	Part Number	Qty.	Description
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
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

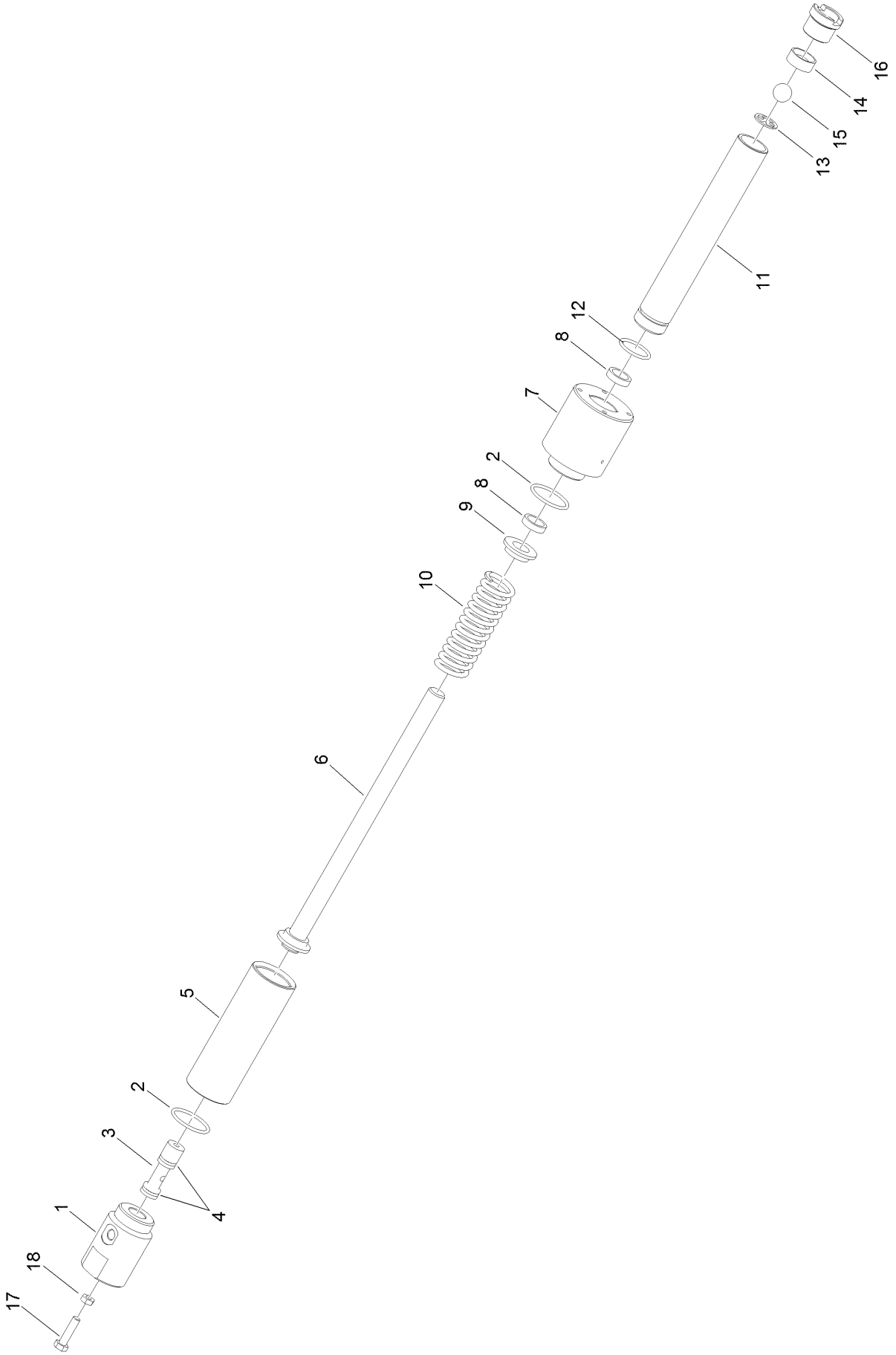
Tool Joint Lube Applicator Assembly



Tool Joint Lube Applicator Assembly (continued)

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

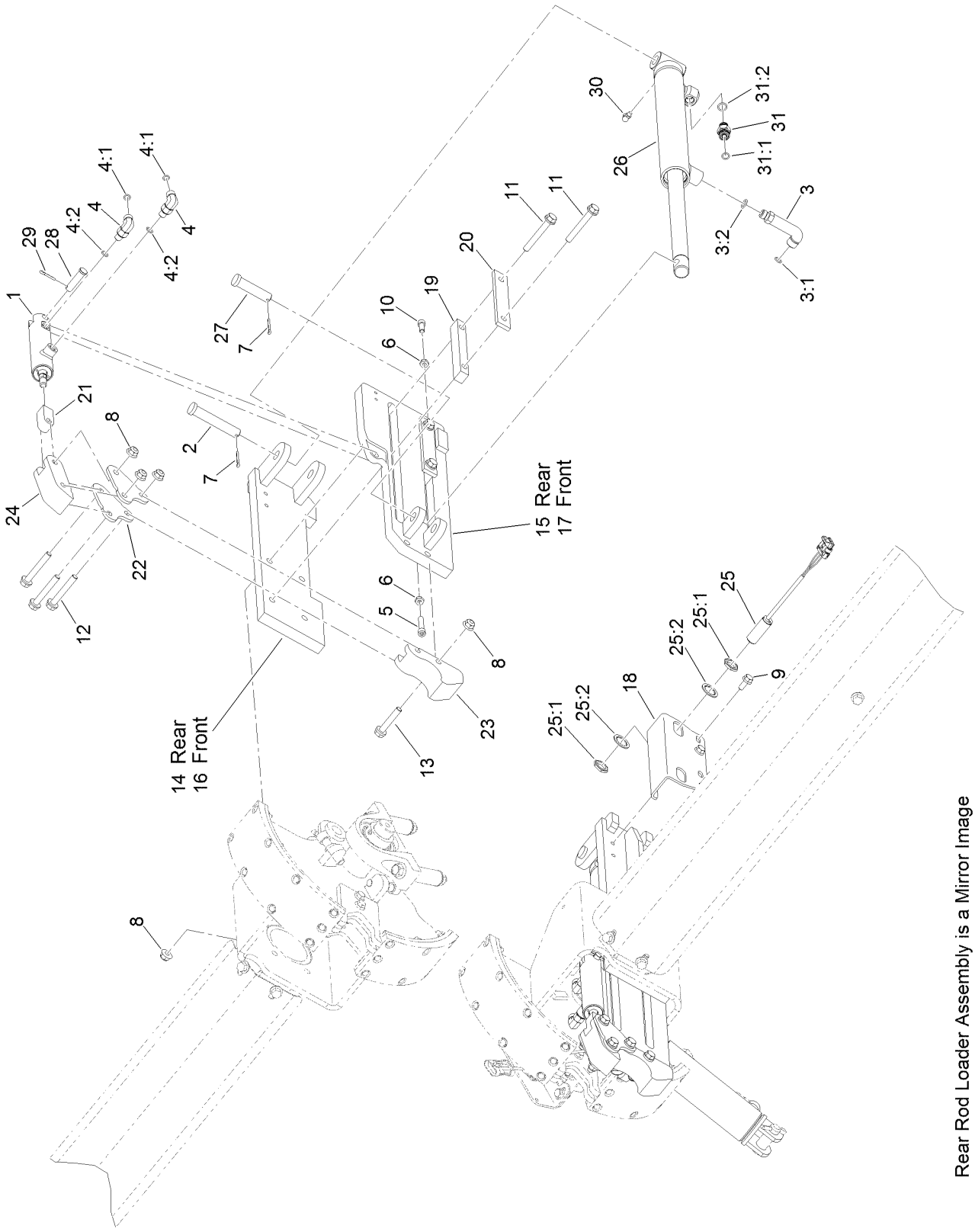
Grease Pump Assembly No. AU108837-03



Grease Pump Assembly No. AU108837-03 (continued)

Ref.	Part Number	Qty.	Description
1	AU108858-03	1	Cap-Cylinder
2	AU8HS51920	2	Seal-O Ring
3	AU108861	1	Spool-Adjusting
4	AU238-5113	2	O-Ring
5	AU108862-03	1	Barrel-Cylinder
6	AU108865	1	Plunger
7	AU108859-03	1	Body-Pump
8	AU8HS10002	2	Seal-Deep
9	AU108863	1	Guide-Rod
10	AU108870	1	Spring
11	AU108866-03	1	Barrel-Pump
12	AU8HS51916	1	Seal-O Ring
13	AU108860	1	Clip-Retainer
14	AU108867	1	Valve-Seat
15	AU108869	1	Ball-Steel, Stainless
16	AU108868	1	Tube-Inlet
17	322-47	1	Screw-HH
18	3218-2	1	Nut-Jam

Rod Loader Assembly

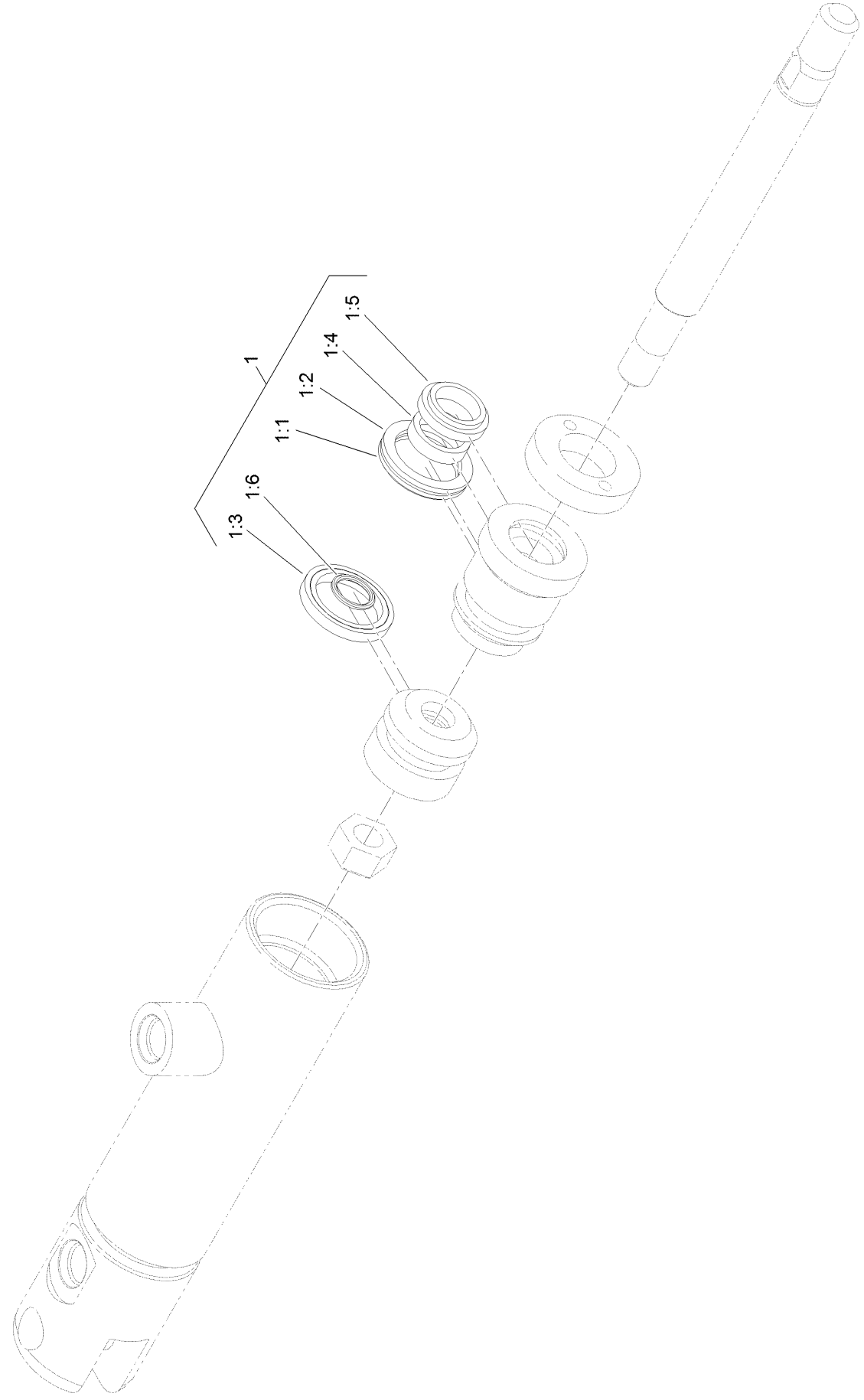


Rear Rod Loader Assembly is a Mirror Image
of Front Rod Loader Assembly, with the Exception
of Proximity Switch (25) and Related Components

Rod Loader Assembly (continued)

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

Hydraulic Cylinder Assembly No. 125-4463

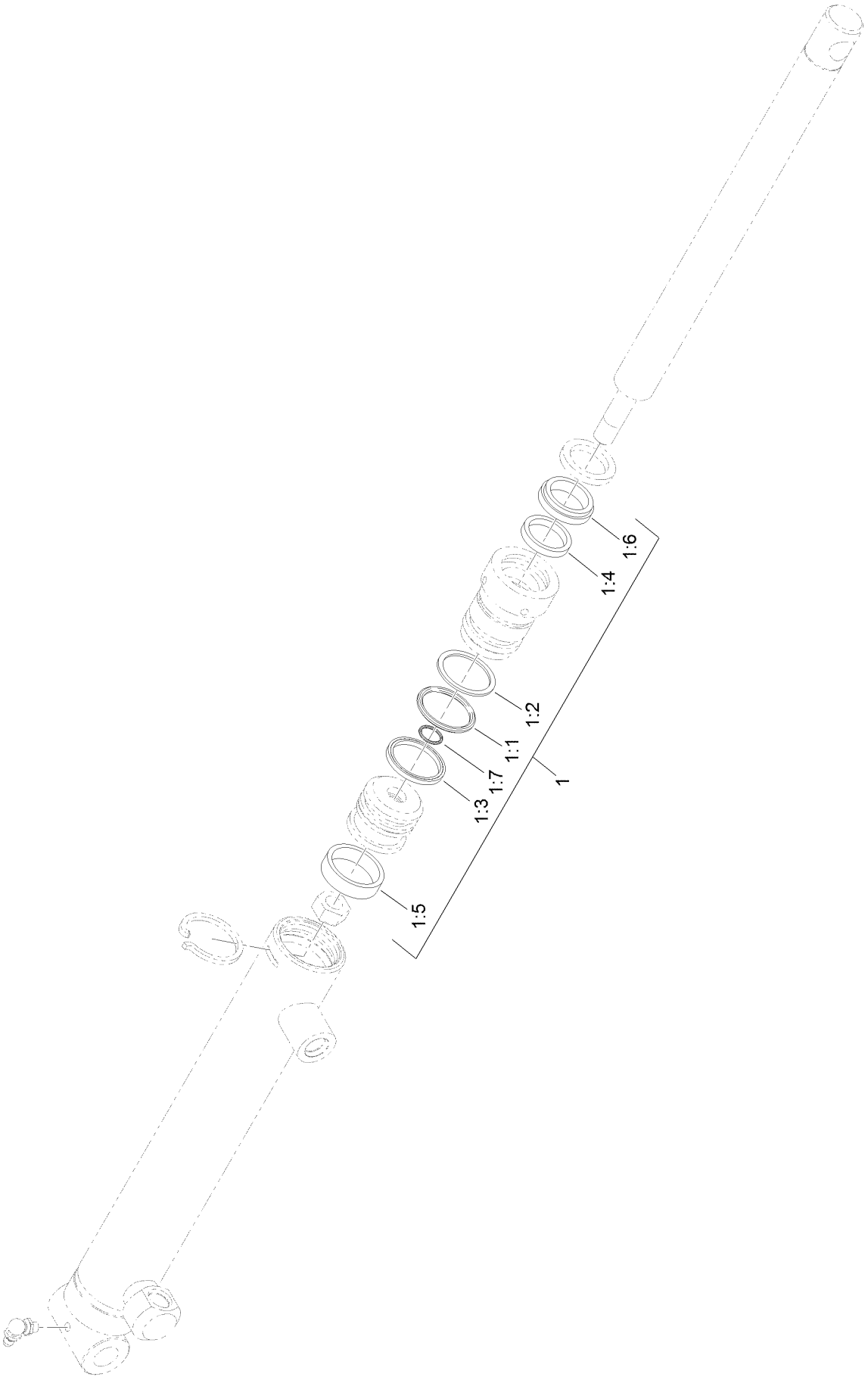


Hydraulic Cylinder Assembly No. 125-4463 (continued)

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

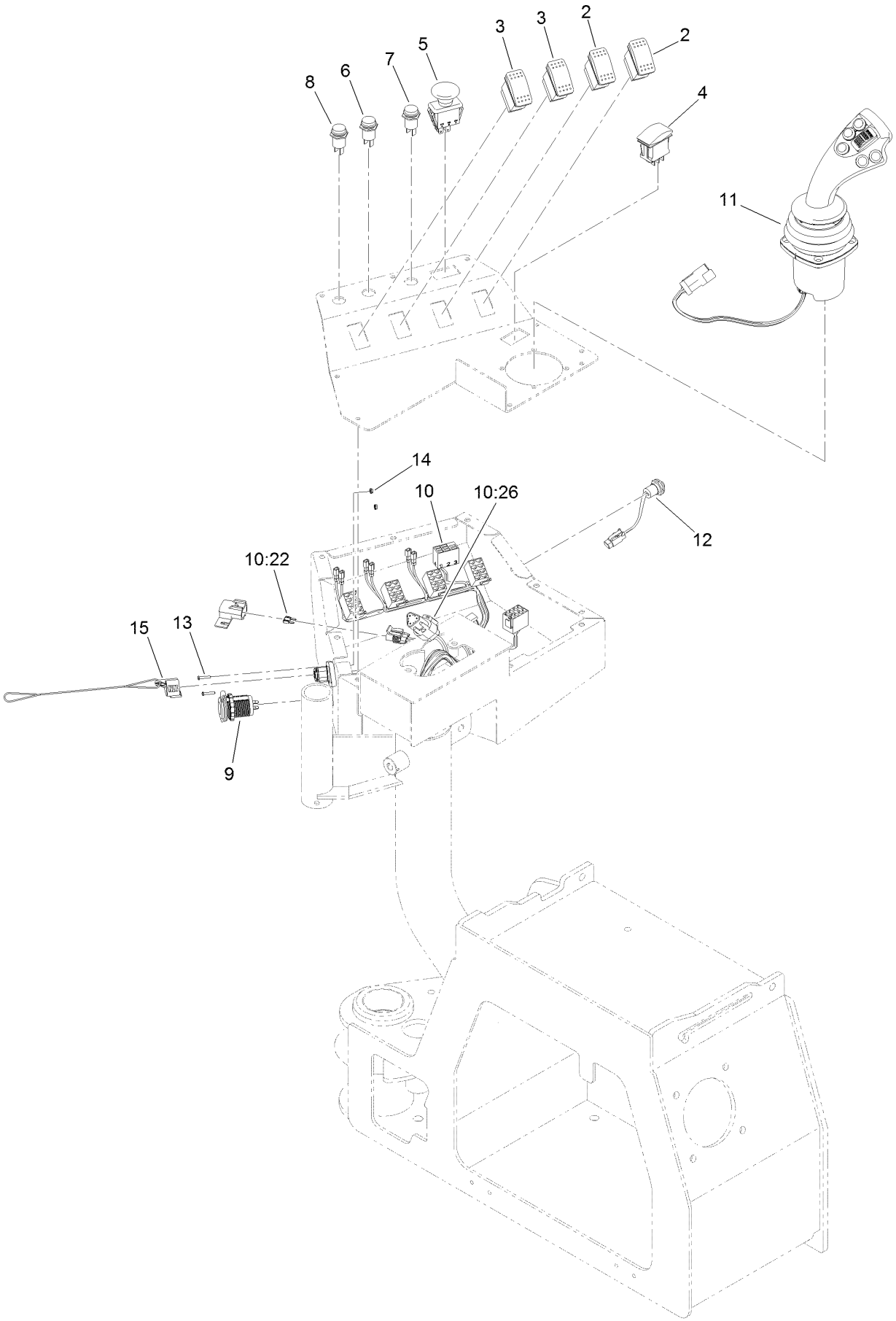


Hydraulic Cylinder Assembly No. 133-5959 (continued)

Ref.	Part Number	Qty.	Description
1	137-5219	1	Repair Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Psp Seal ●
1:4		1	Wear Ring ●
1:5		1	Bt Seal ●
1:6		1	Dust Seal ●
1:7		1	O-Ring ●

● Not serviced separately

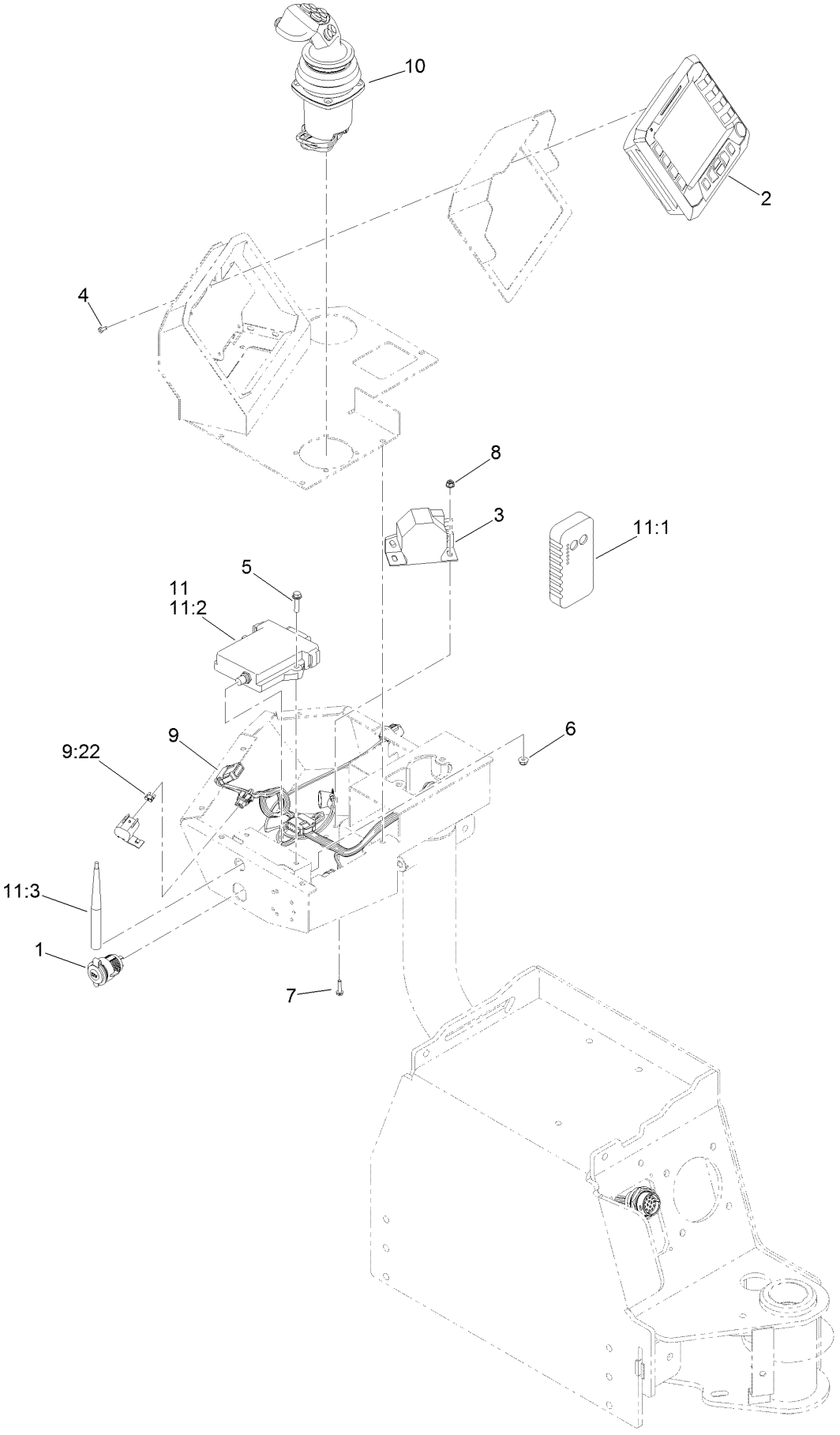
Left Console Operator Controls Assembly



Left Console Operator Controls Assembly (continued)

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

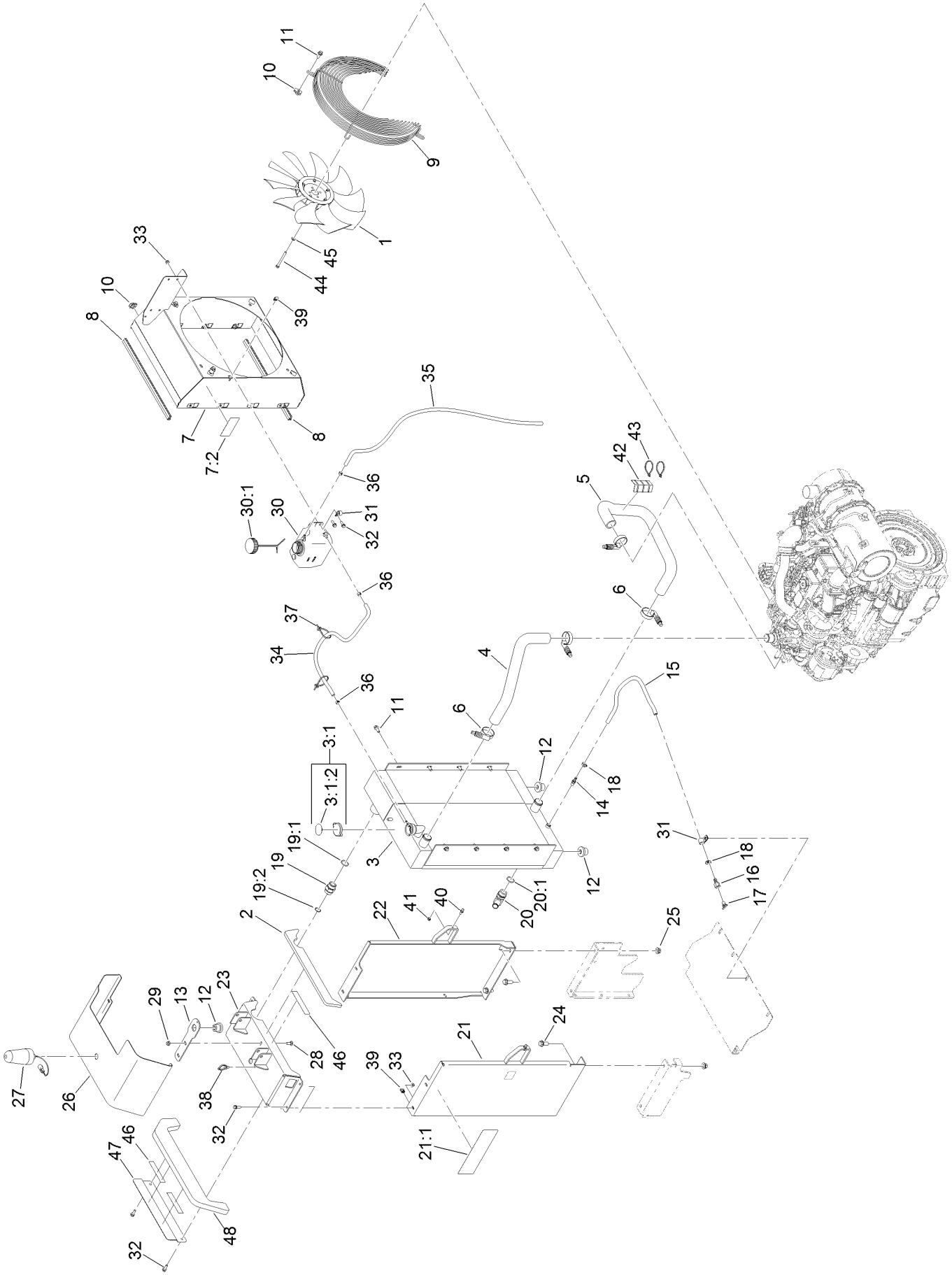
Right Console Operator Controls Assembly



Right Console Operator Controls Assembly (continued)

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

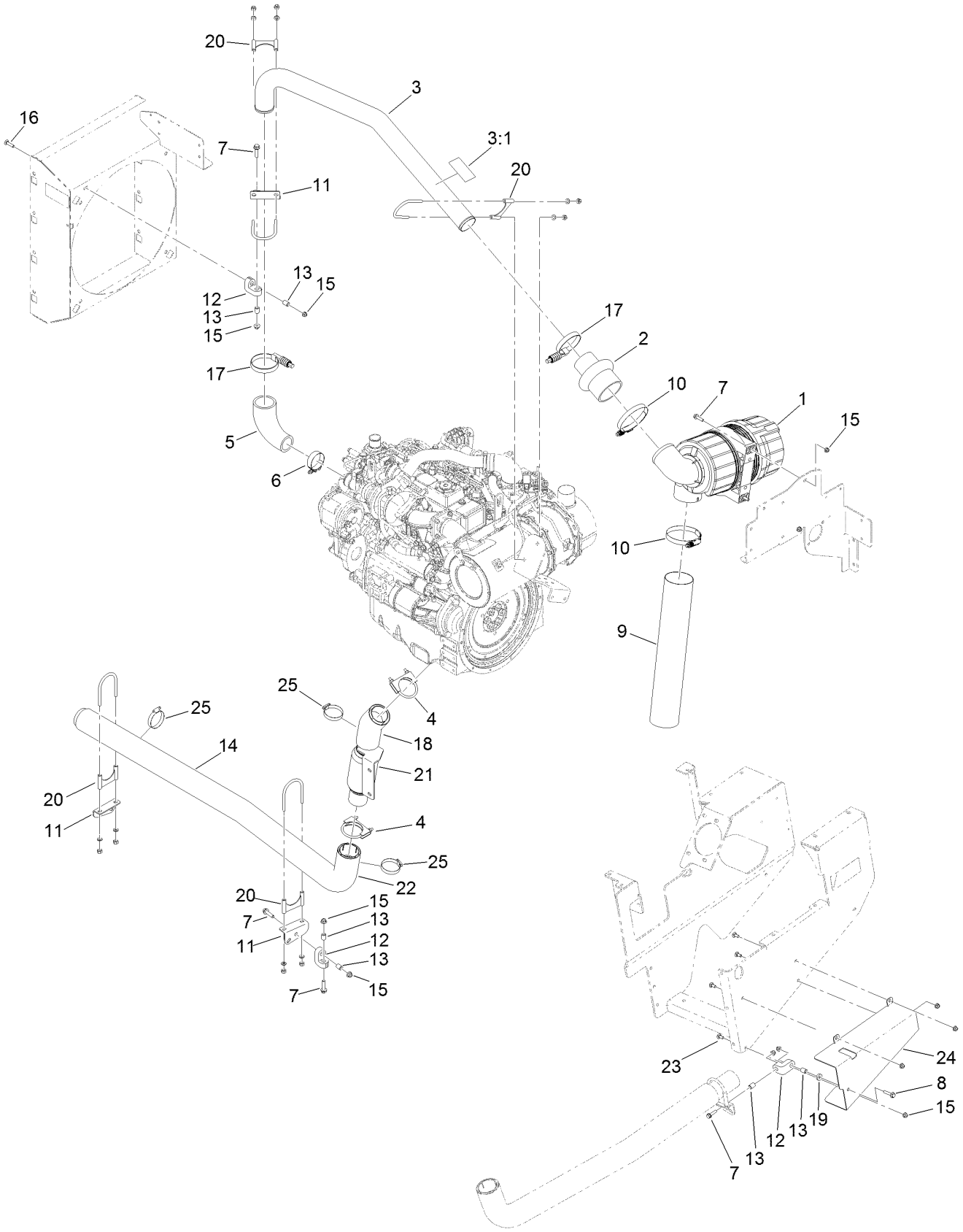
Cooling Package Assembly



Cooling Package Assembly (continued)

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

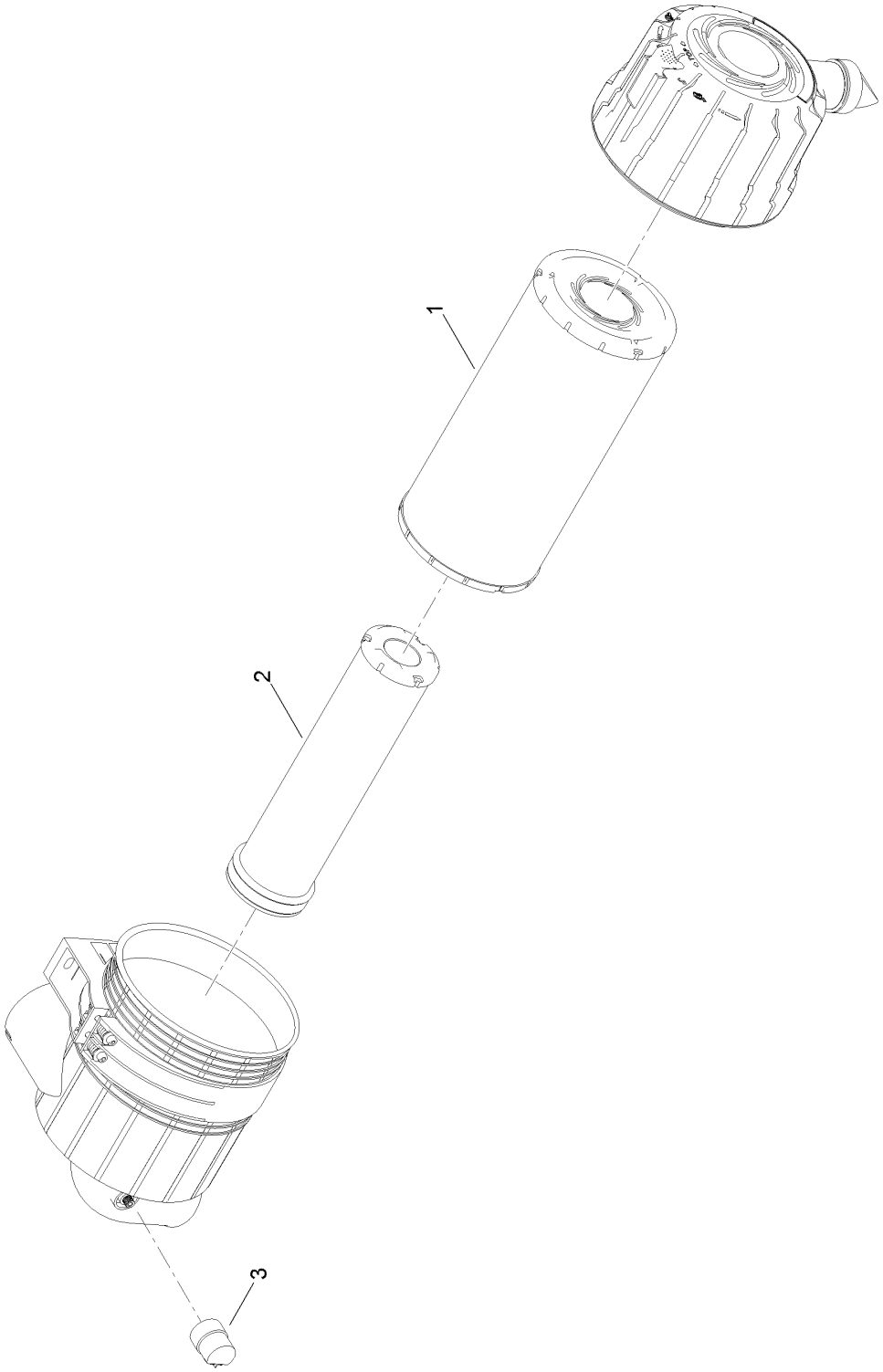
Engine Intake and Exhaust Assembly



Engine Intake and Exhaust Assembly (continued)

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

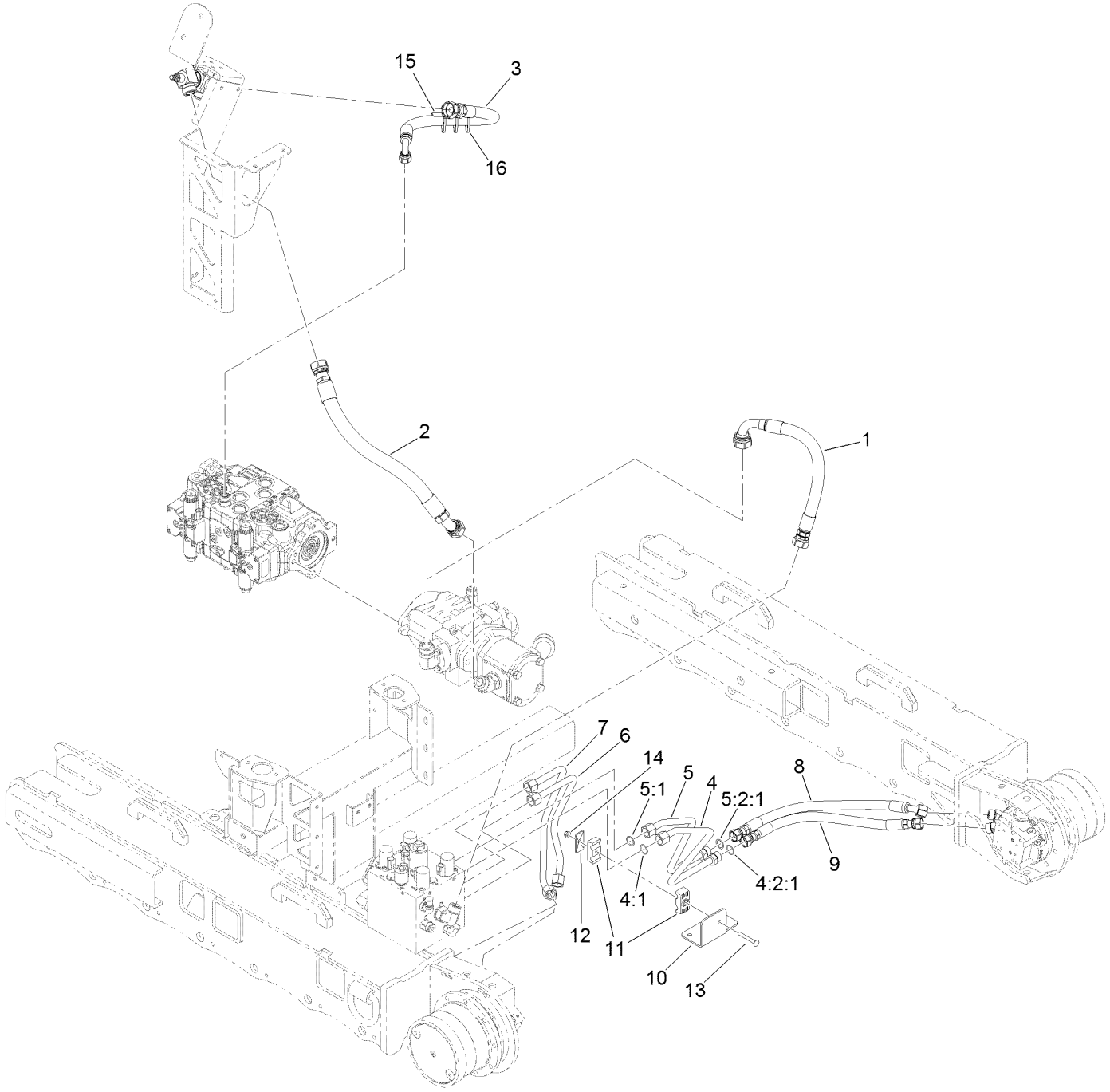
Air Filter Assembly No. 130-9160



Air Filter Assembly No. 130-9160 (continued)

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

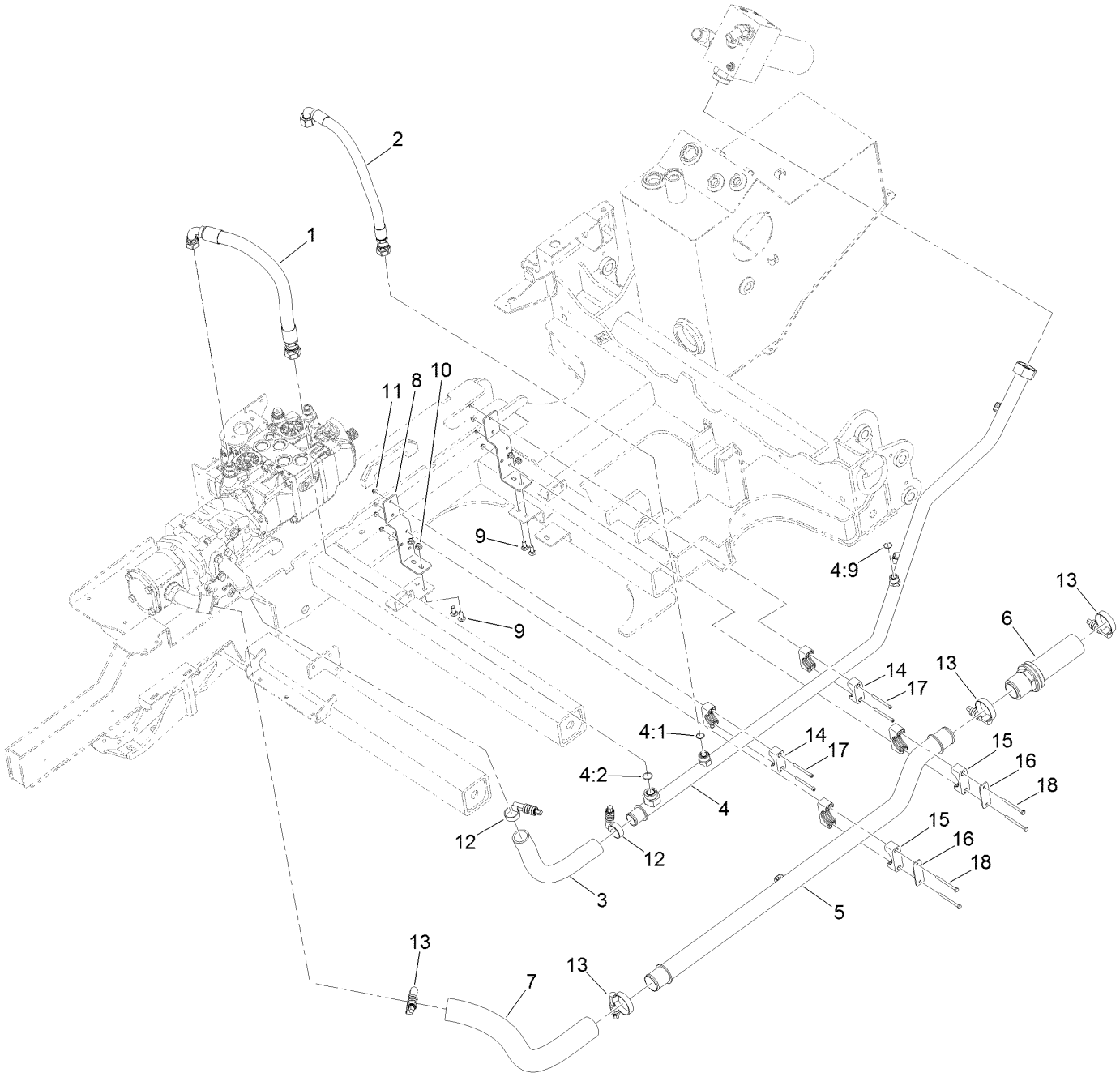
Wheel Motor Hydraulic Hose Assembly



Wheel Motor Hydraulic Hose Assembly (continued)

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

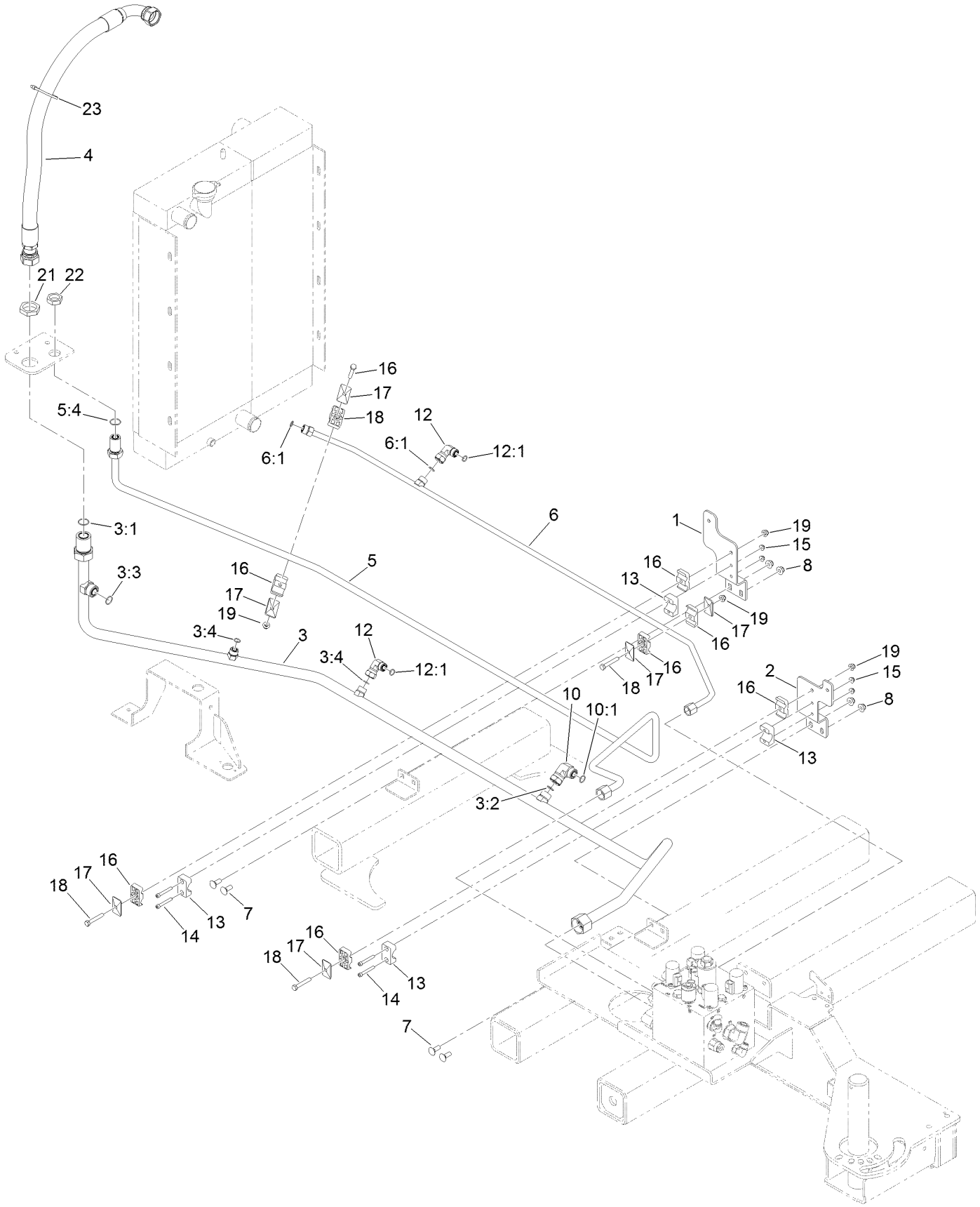
Suction Pump and Case Drain Hydraulic Hose Assembly



Suction Pump and Case Drain Hydraulic Hose Assembly (continued)

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

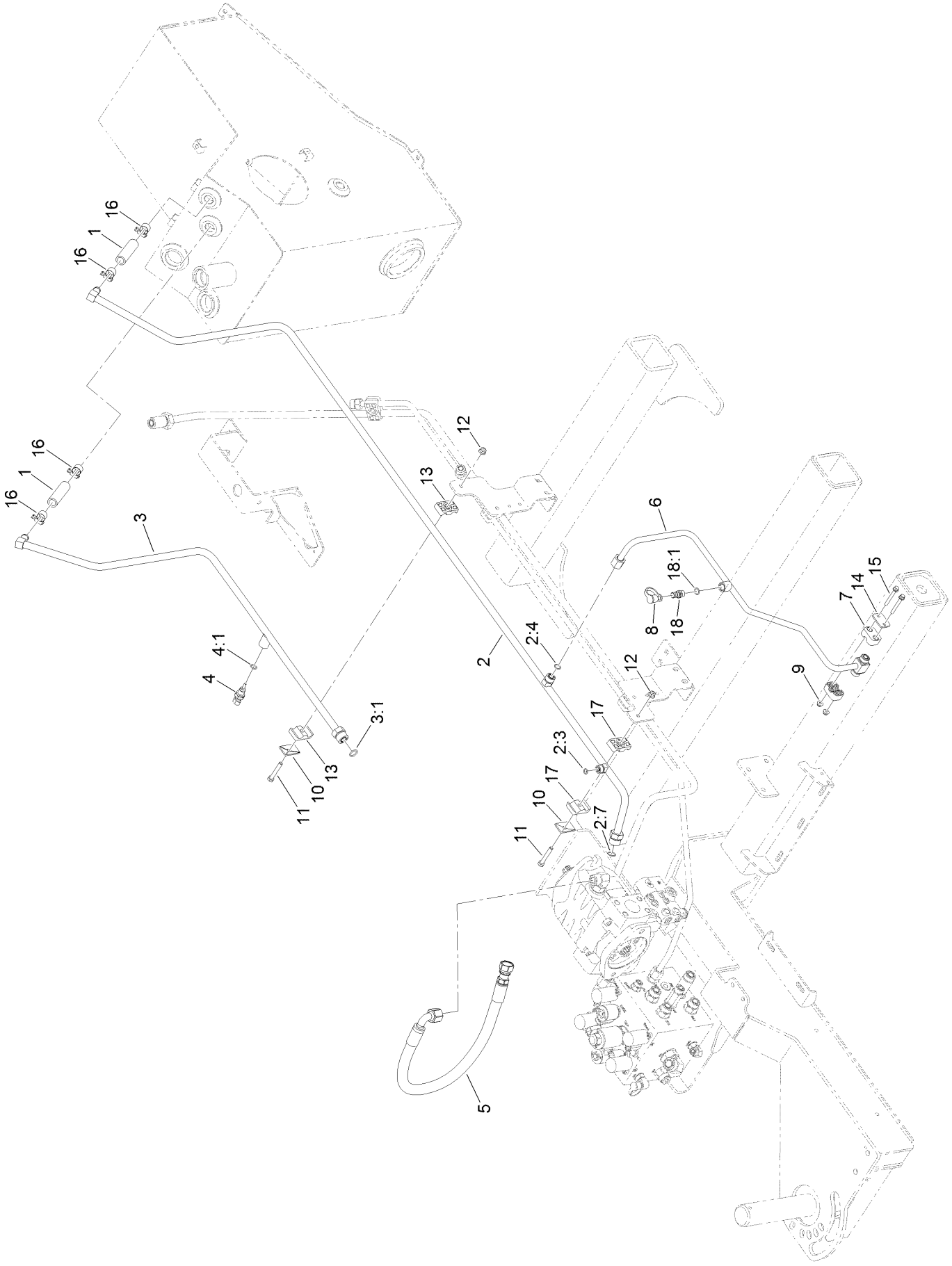
Radiator and Oil Cooler
Hydraulic Hose Assembly



Radiator and Oil Cooler
Hydraulic Hose Assembly (continued)

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

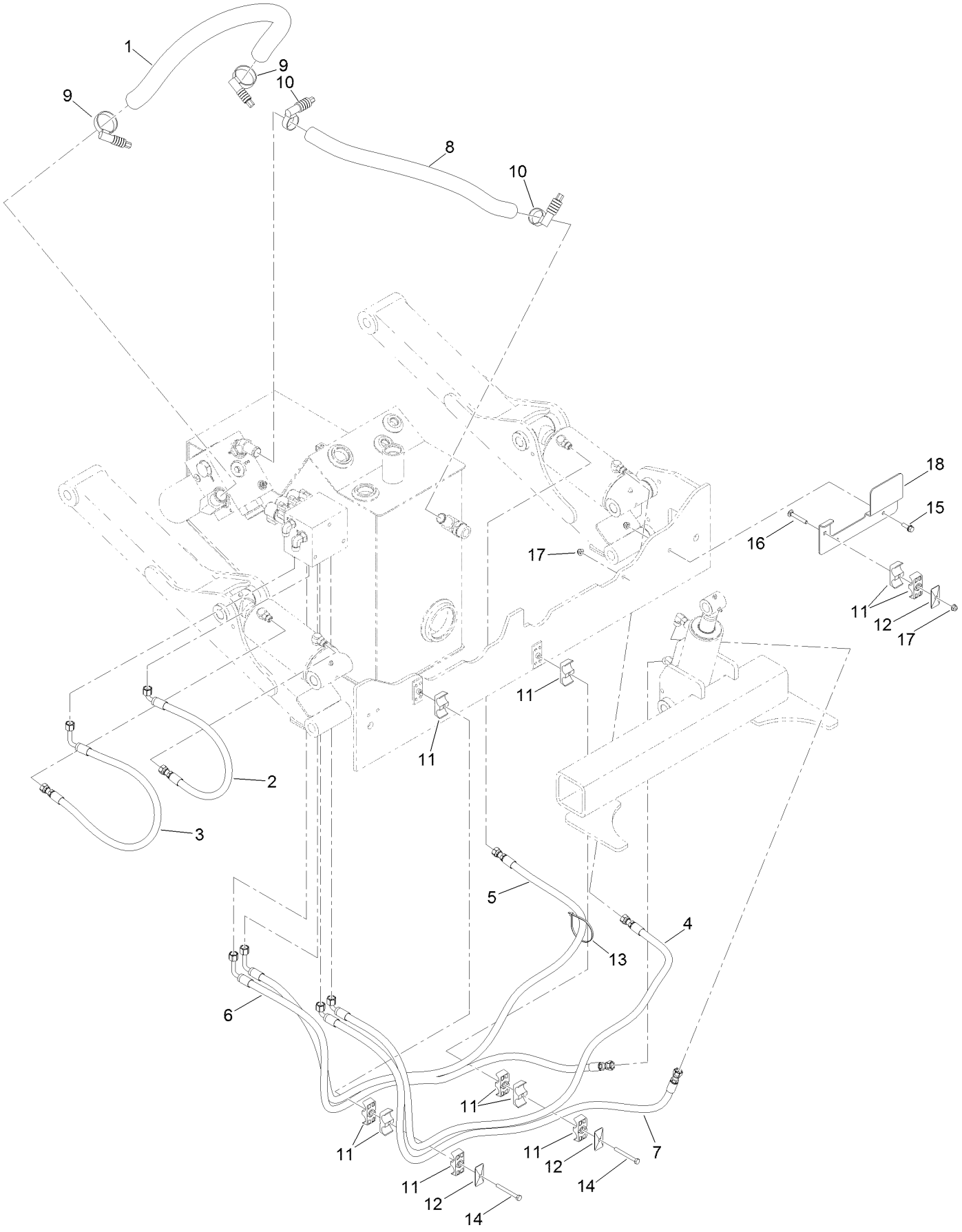
Hydraulic Tank Hydraulic Hose Assembly



Hydraulic Tank Hydraulic Hose Assembly (continued)

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

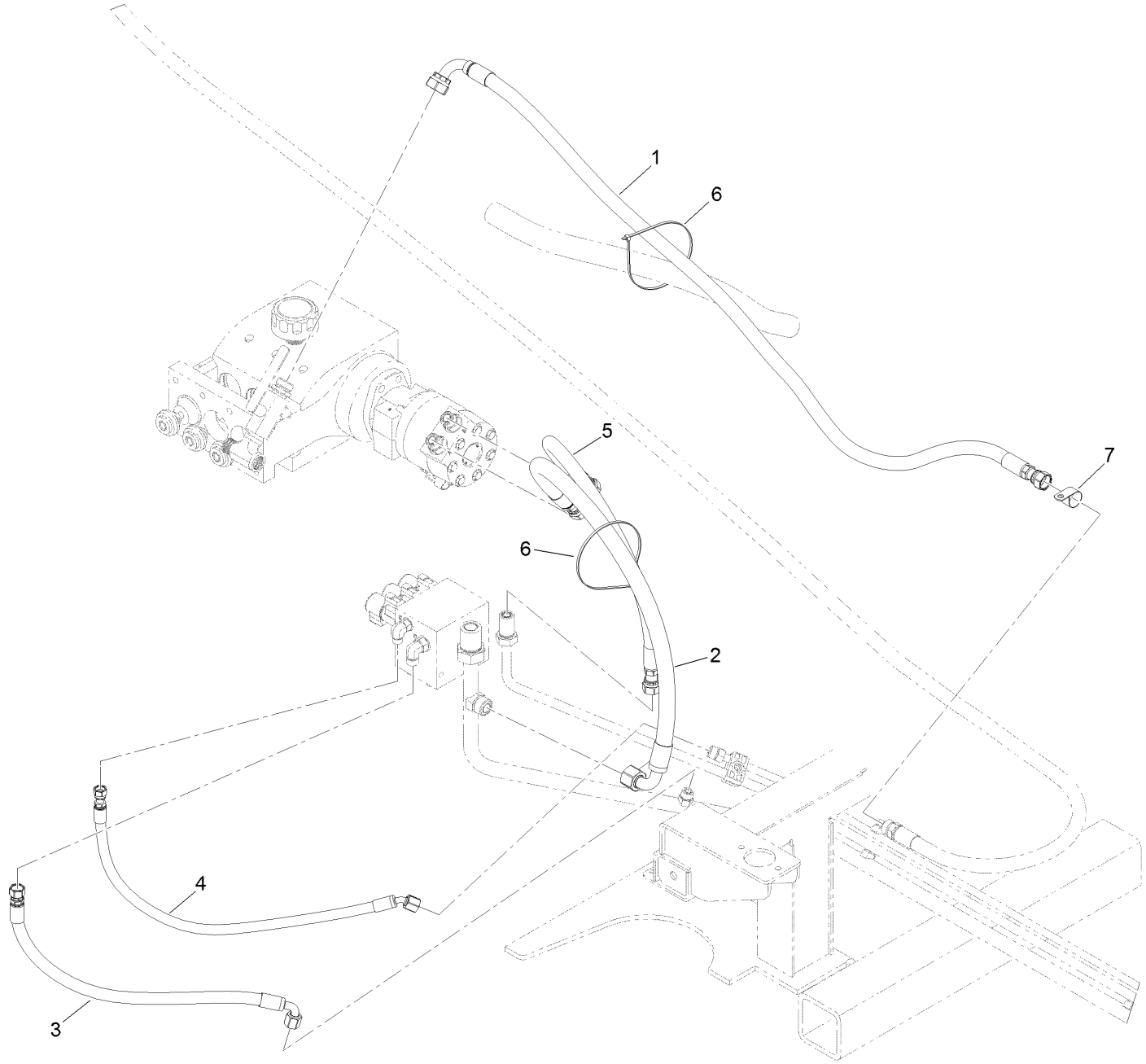
Stablizer Legs and Return Manifold Hydraulic Hose Assembly



Stablizer Legs and Return Manifold Hydraulic Hose Assembly (continued)

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

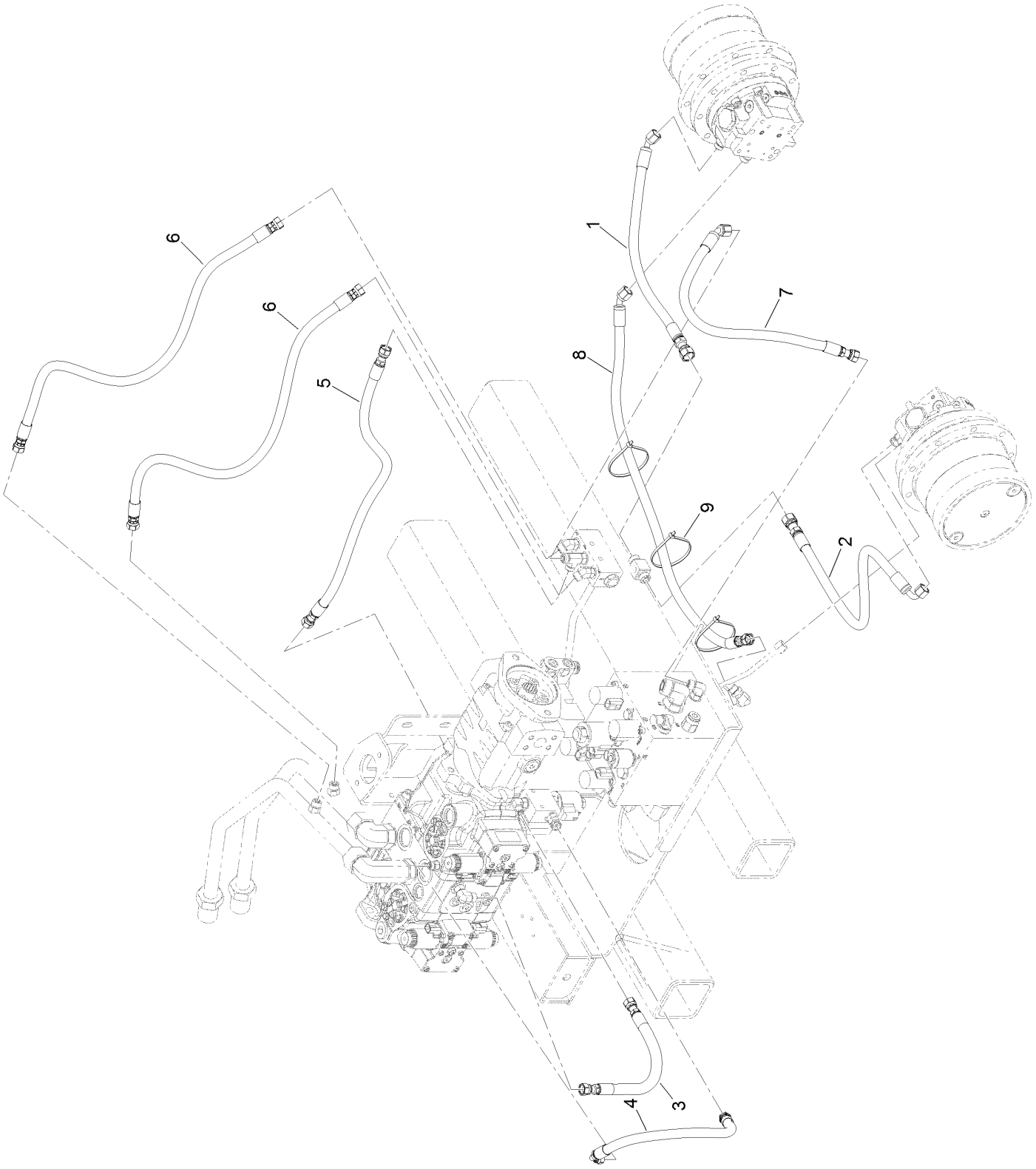
Mud Pump and Setup
Hydraulic Hose Assembly



Mud Pump and Setup
Hydraulic Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
1	136-6103	1	Hose-ASM-HYD
2	136-8800	1	Hose ASM-HYD
3	136-8805	1	Hose ASM-HYD
4	136-8807	1	Hose ASM-HYD
5	136-8804	1	Hose ASM-HYD
6	3290-379	2	Tie-Cable
7	2412-126	1	R-Clamp

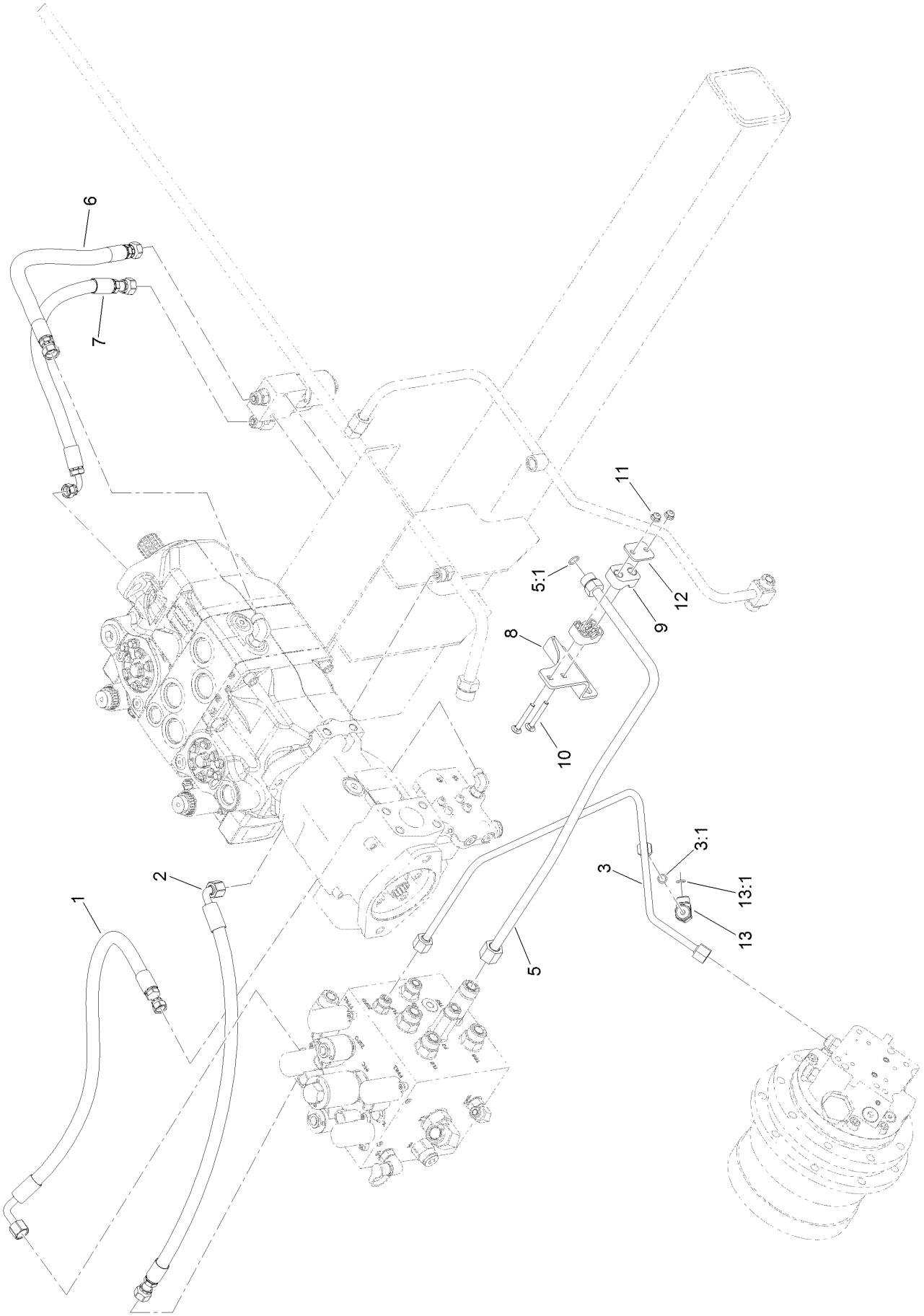
Rotary Charge Check Manifold
Hydraulic Hose Assembly



Rotary Charge Check Manifold
Hydraulic Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
1	137-5253	1	Hose ASM-HYD
2	137-5254	1	Hose ASM-HYD
3	136-8925	1	Hose ASM-HYD
4	136-8926	1	Hose ASM-HYD
5	136-8921	1	Hose ASM-HYD
6	137-7148	2	Hose ASM-HYD
7	137-7146	1	Hose ASM-HYD
8	137-5256	1	Hose-HYD
9	3290-379	3	Tie-Cable

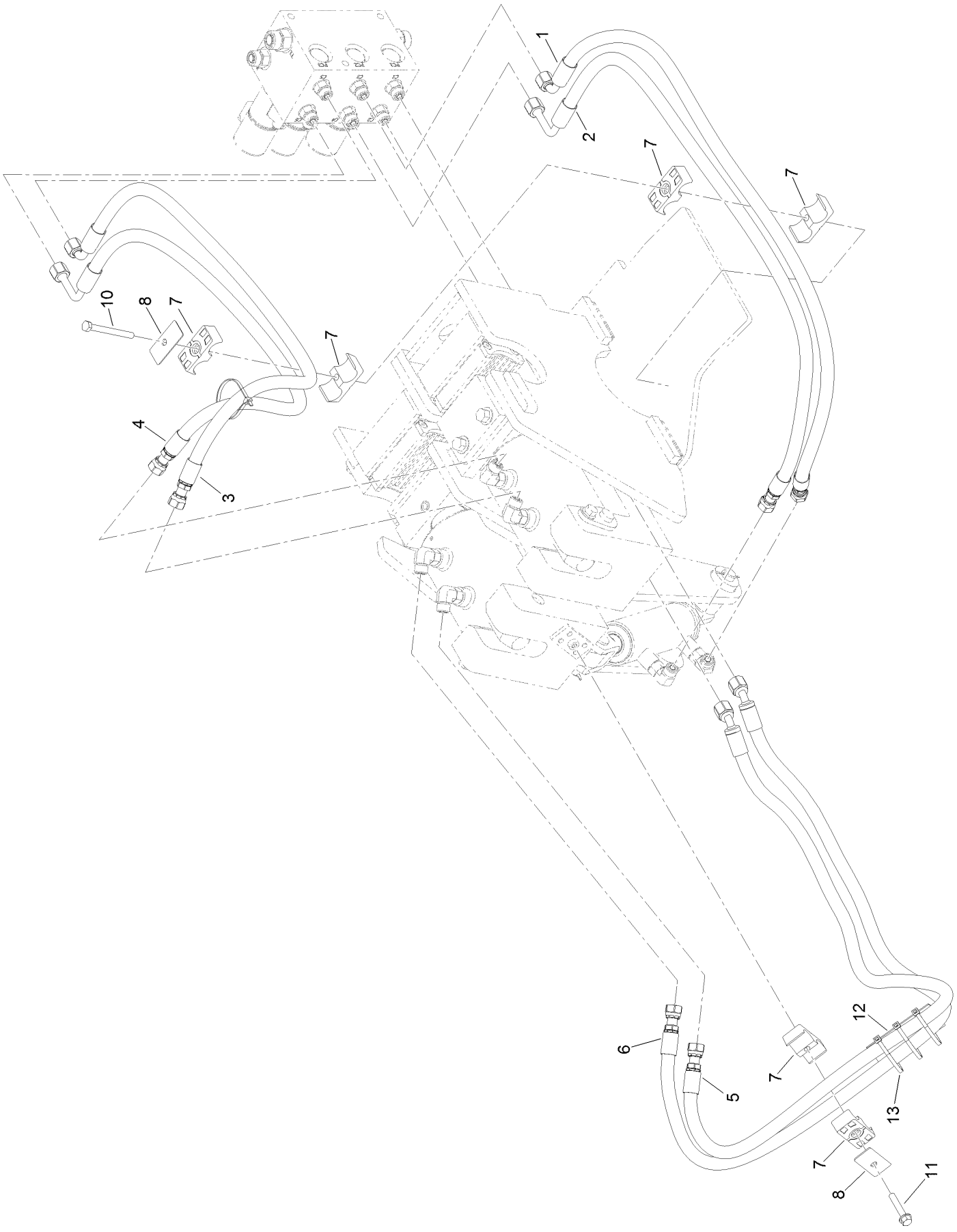
Traction Two Speed Hydraulic Hose Assembly



Traction Two Speed Hydraulic Hose Assembly (continued)

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

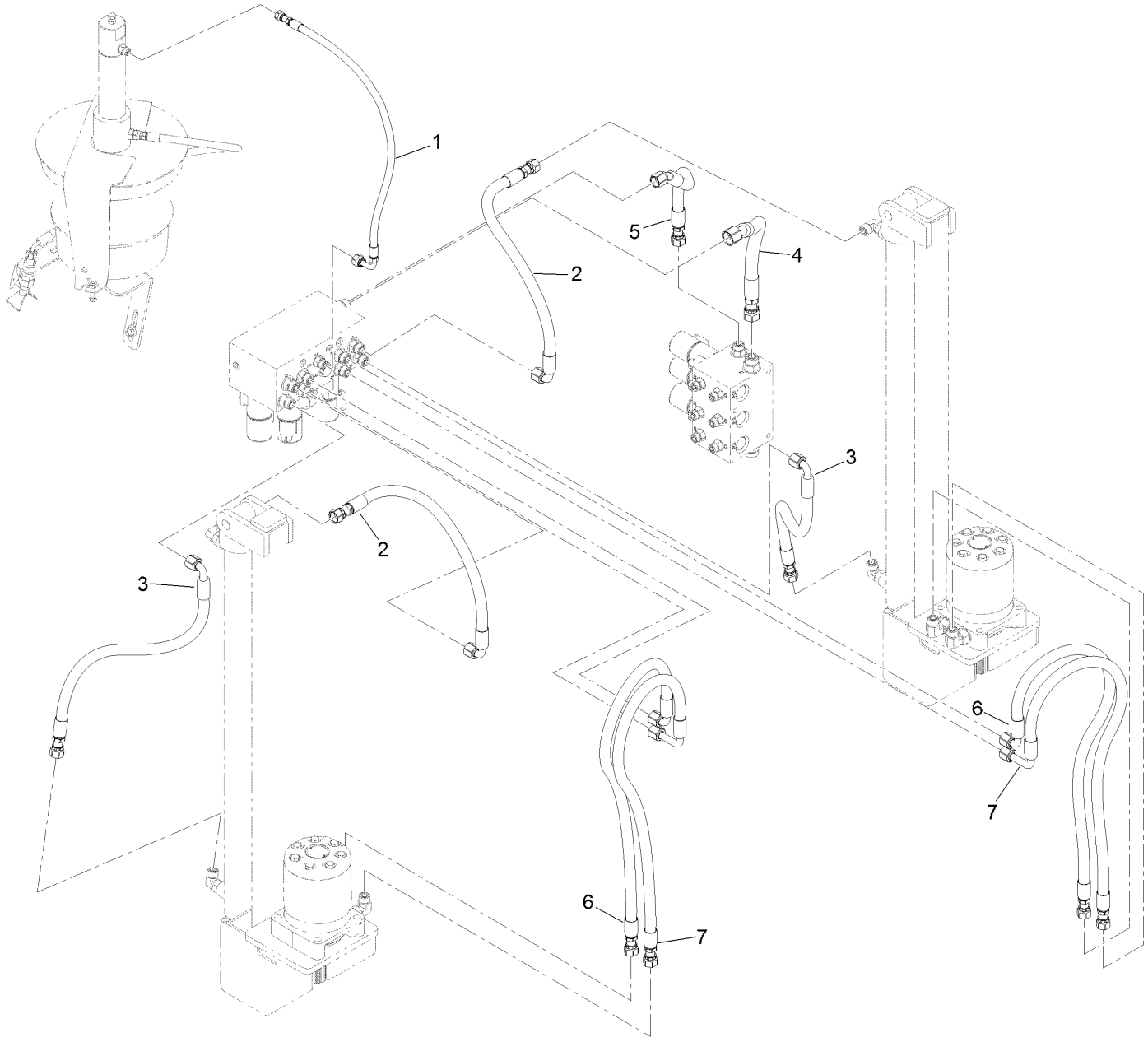
Wrench Manifold Hydraulic Hose Assembly



Wrench Manifold Hydraulic Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

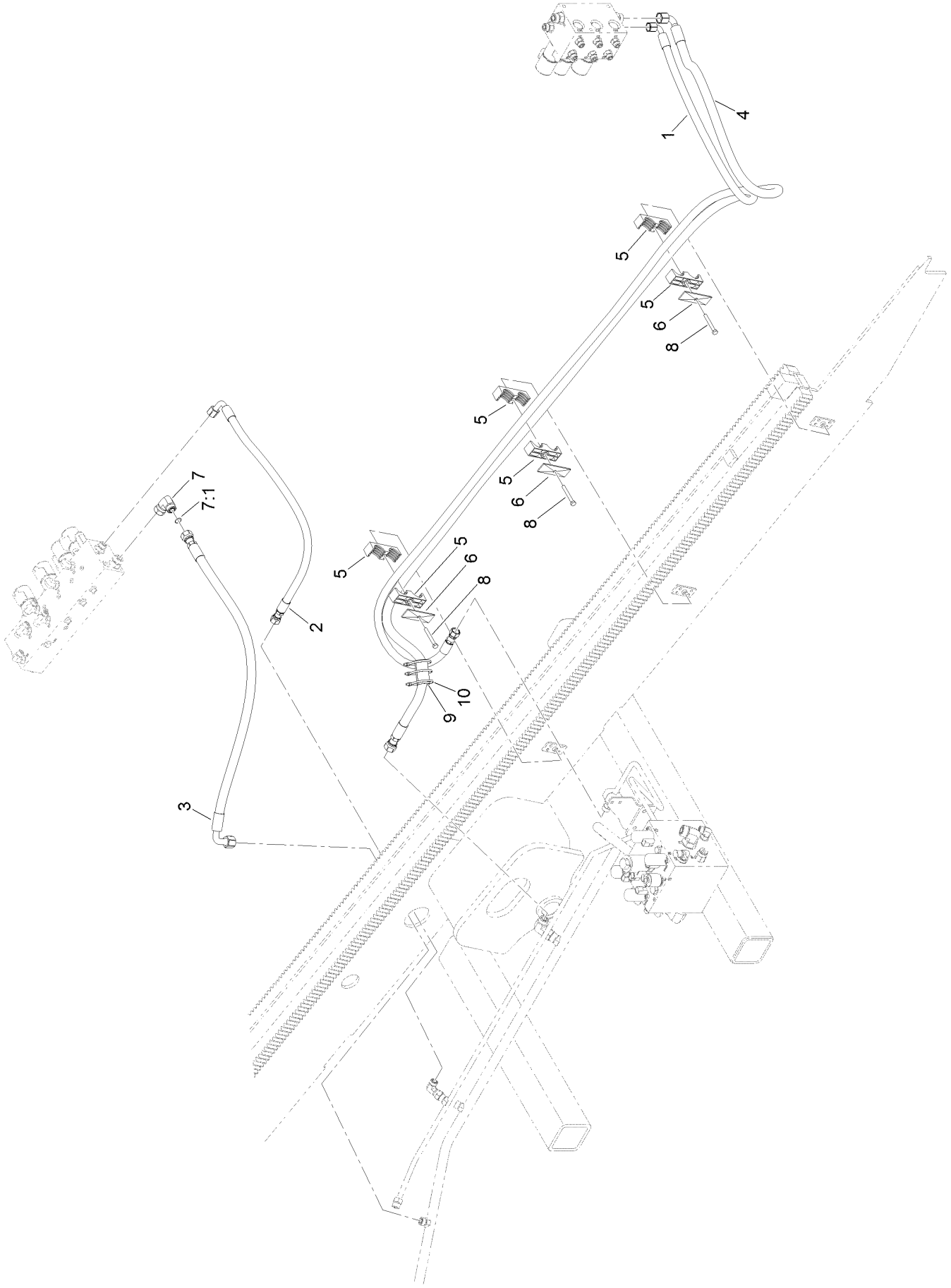
Stakedown Manifold Hydraulic Hose Assembly



Stakedown Manifold Hydraulic Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-5989	1	Hose-HYD
2	133-5990	2	Hose-HYD
3	133-5991	2	Hose-HYD
4	133-6003	1	Hose-HYD
5	133-6002	1	Hose-HYD
6	133-5987	2	Hose-HYD
7	133-5988	2	Hose-HYD

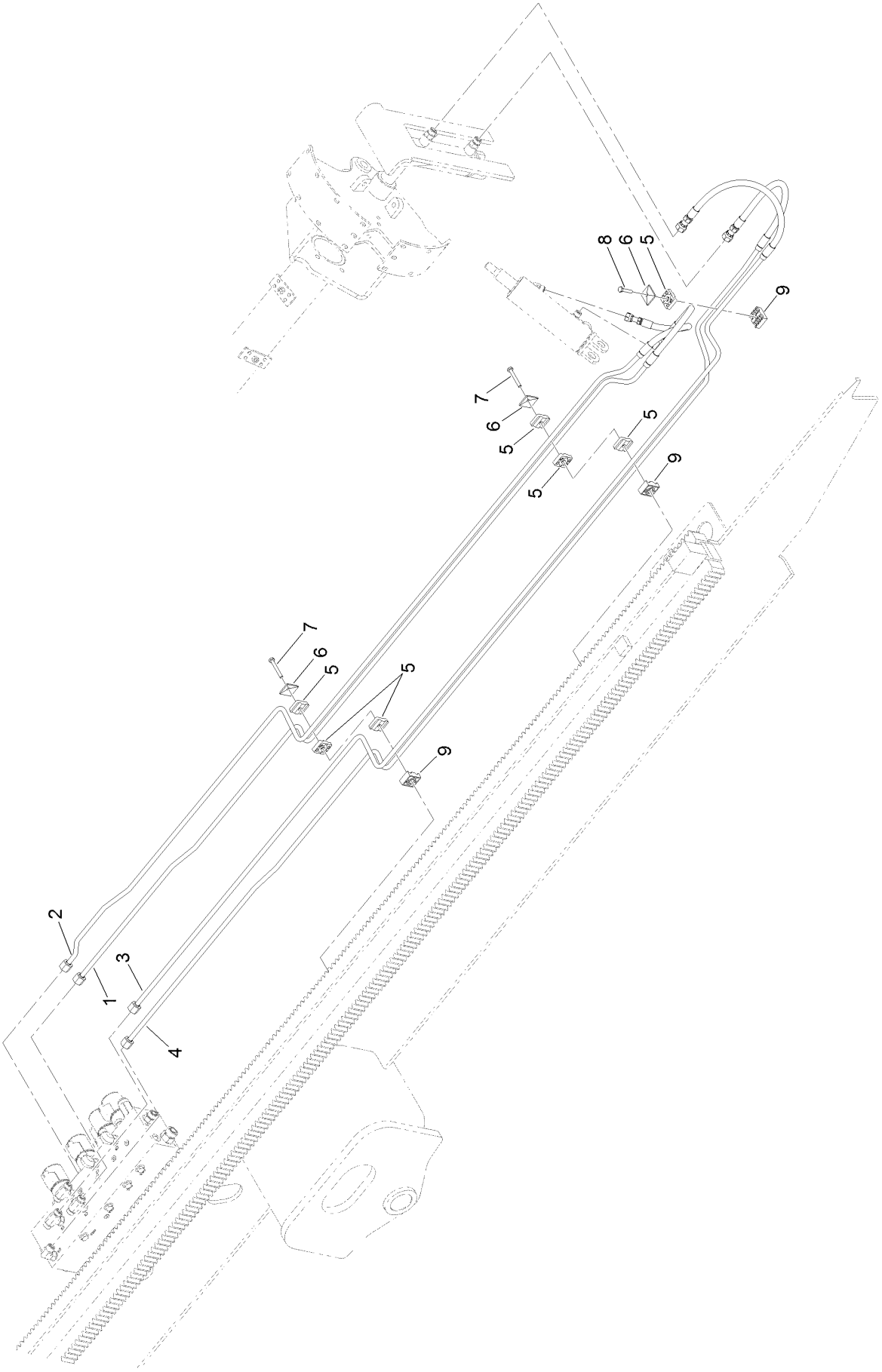
Traction Manifold and Loading Manifold Hydraulic Hose Assembly



Traction Manifold and Loading Manifold Hydraulic Hose Assembly (continued)

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

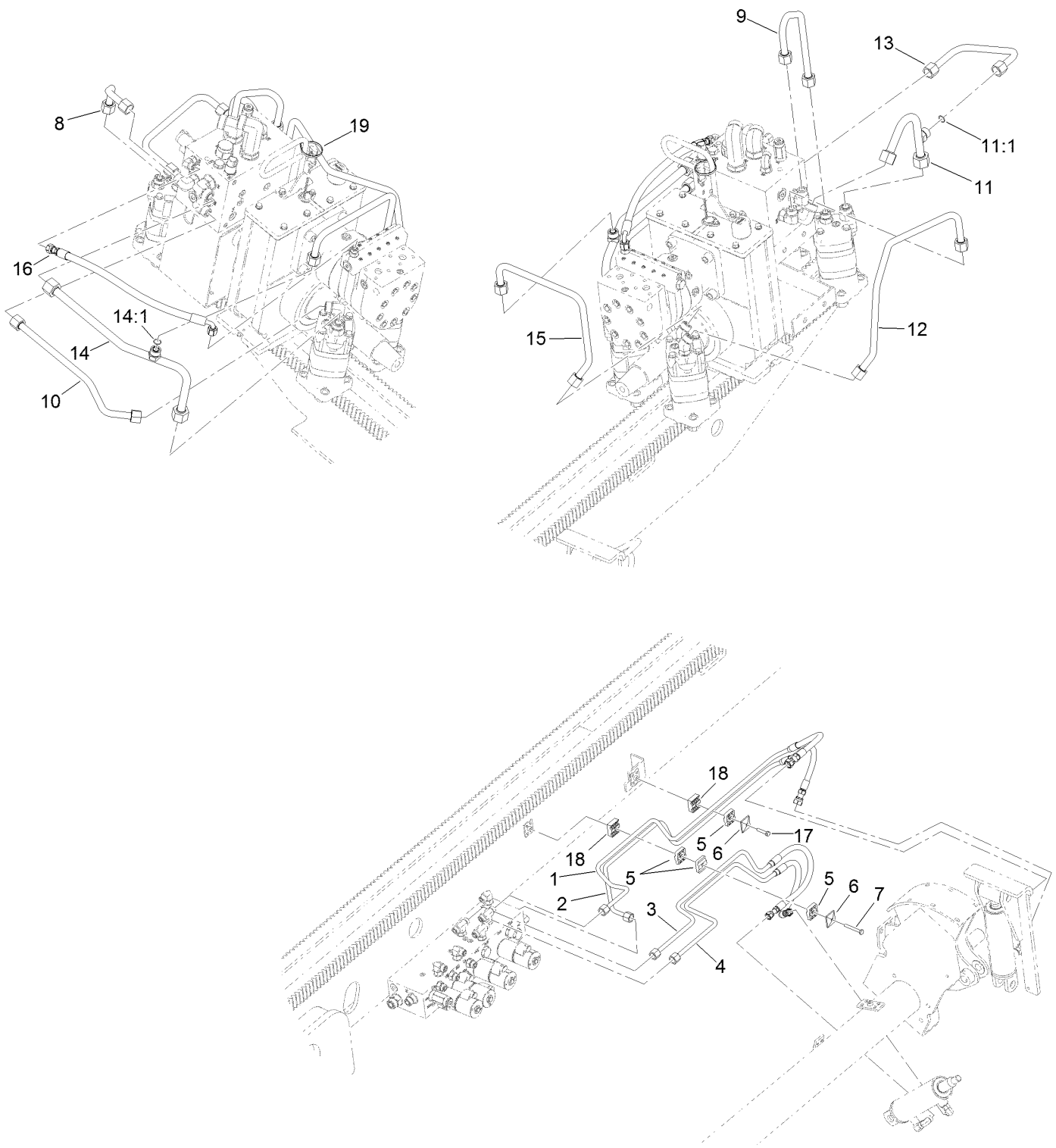
Front Cam Hydraulic Tube Assembly



Front Cam Hydraulic Tube Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-6073	1	HYD Tube-Hose ASM
2	133-6074	1	HYD Tube-Hose ASM
3	133-6075	1	HYD Tube-Hose ASM
4	133-6076	1	HYD Tube-Hose ASM
5	56-7973	7	Clamp-Tube
6	127-8424	3	Plate-Clamp, Retainer
7	321-11	2	Screw-HH
8	321-8	1	Screw-HH
9	137-5275	3	Clamp-Hose

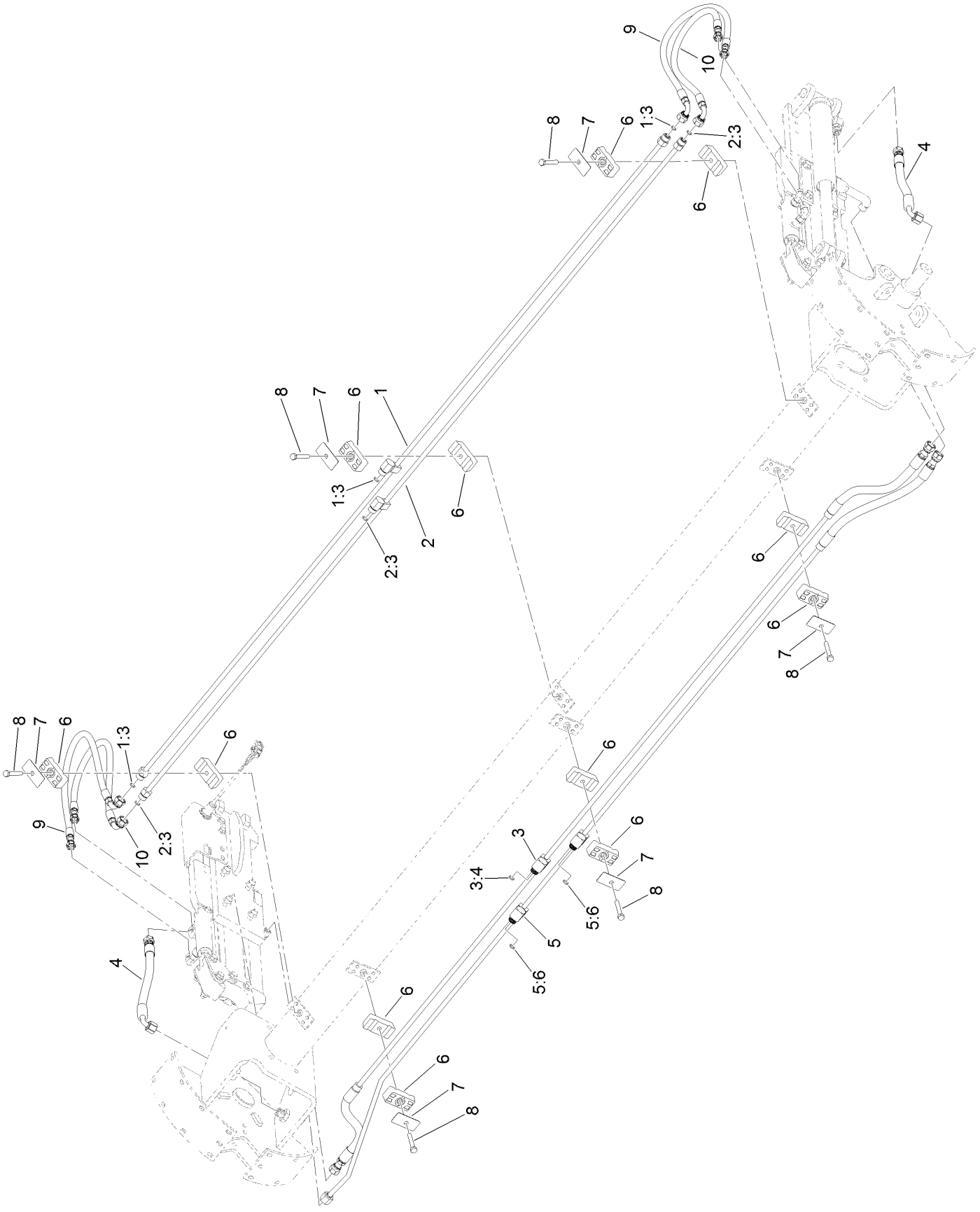
Carriage Rear Cam Hydraulic Tube Assembly



Carriage Rear Cam Hydraulic Tube Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

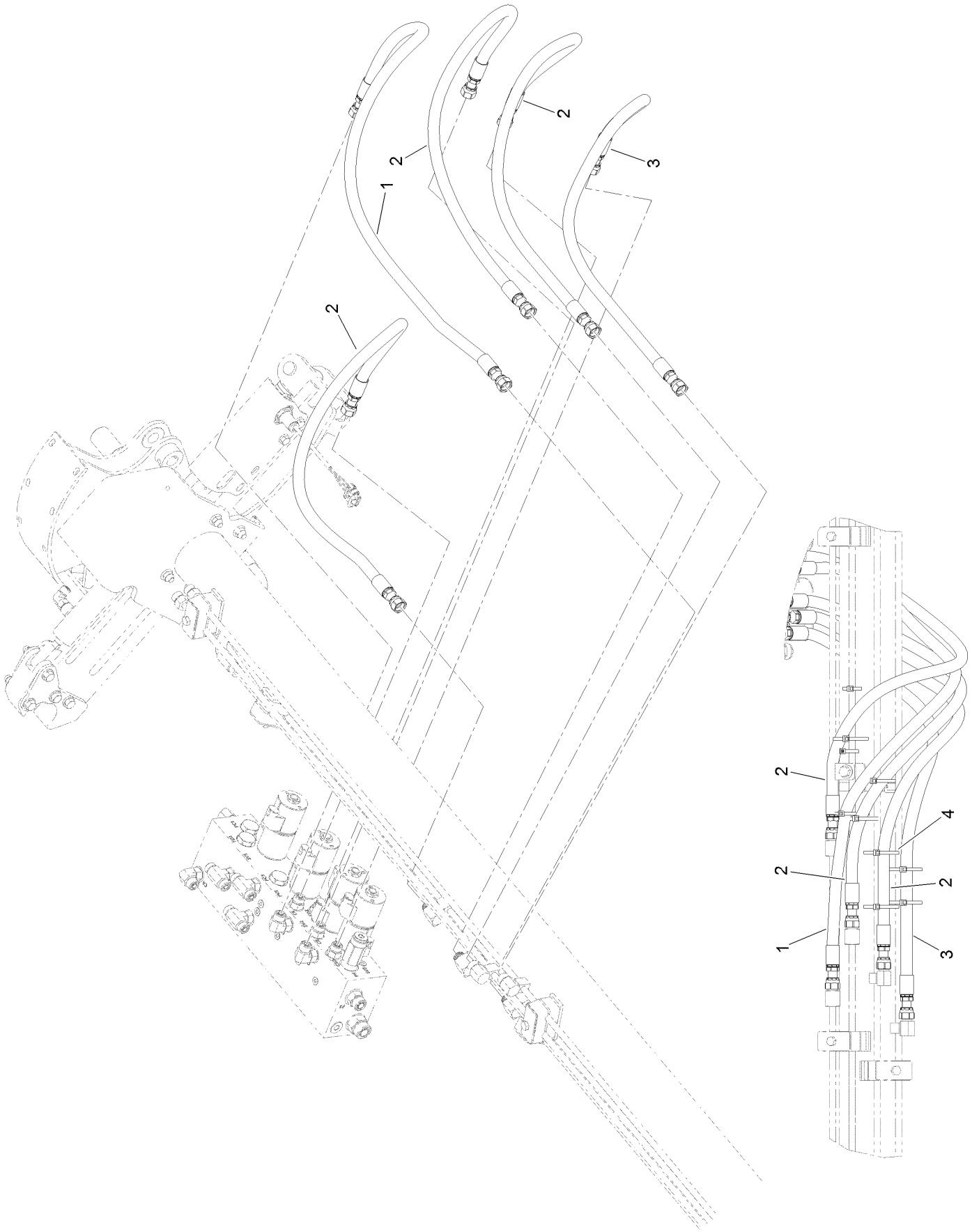
Arm Extension and Grippers
Hydraulic Hose and Tube Assembly



Arm Extension and Grippers
Hydraulic Hose and Tube Assembly (continued)

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

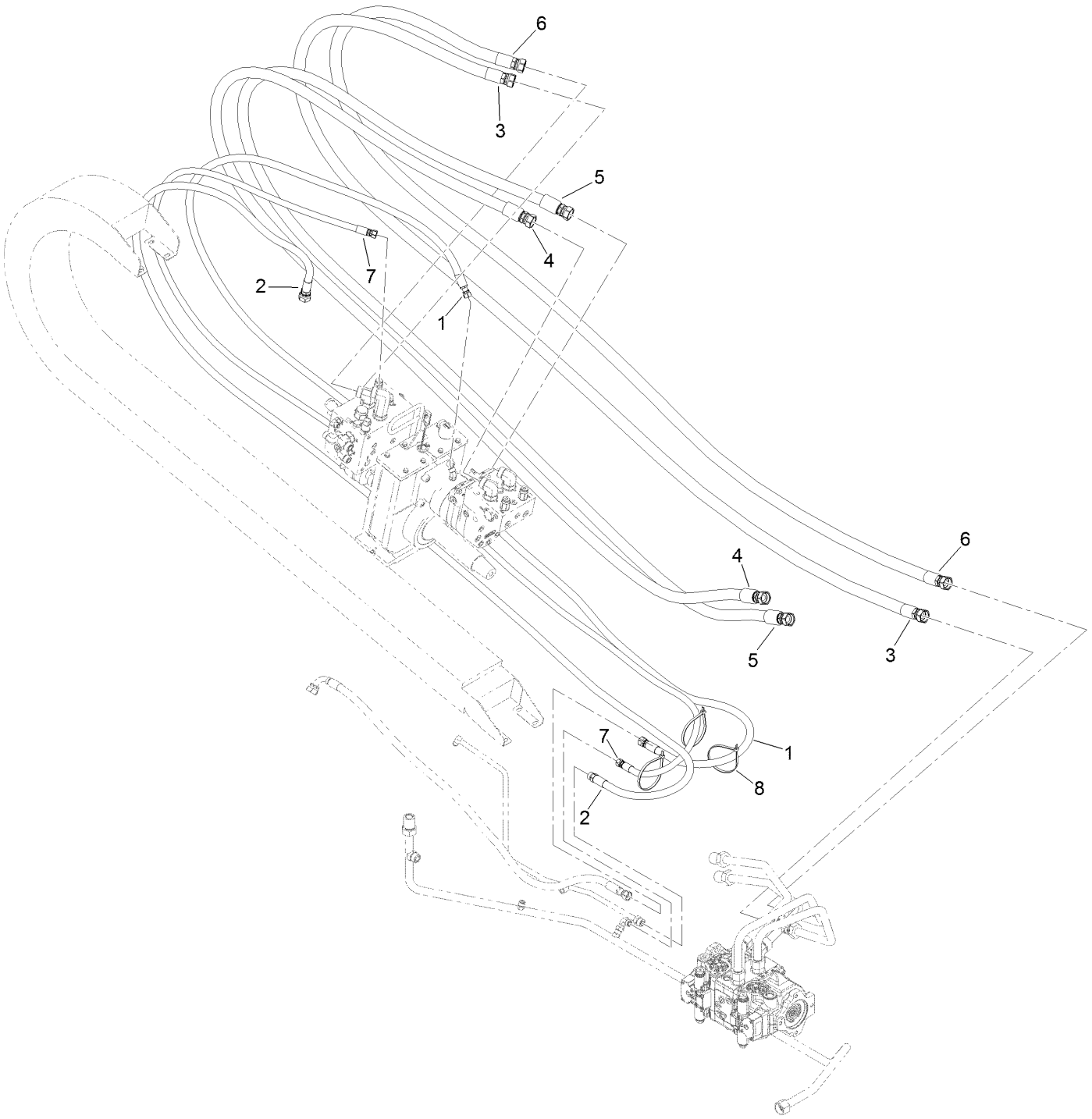
Loading Manifold Hydraulic Hose Assembly



Loading Manifold Hydraulic Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-6044	1	Hose-HYD
2	133-6045	3	Hose-HYD
3	133-6046	1	Hose-HYD
4	3334-945	10	Tie-Cable

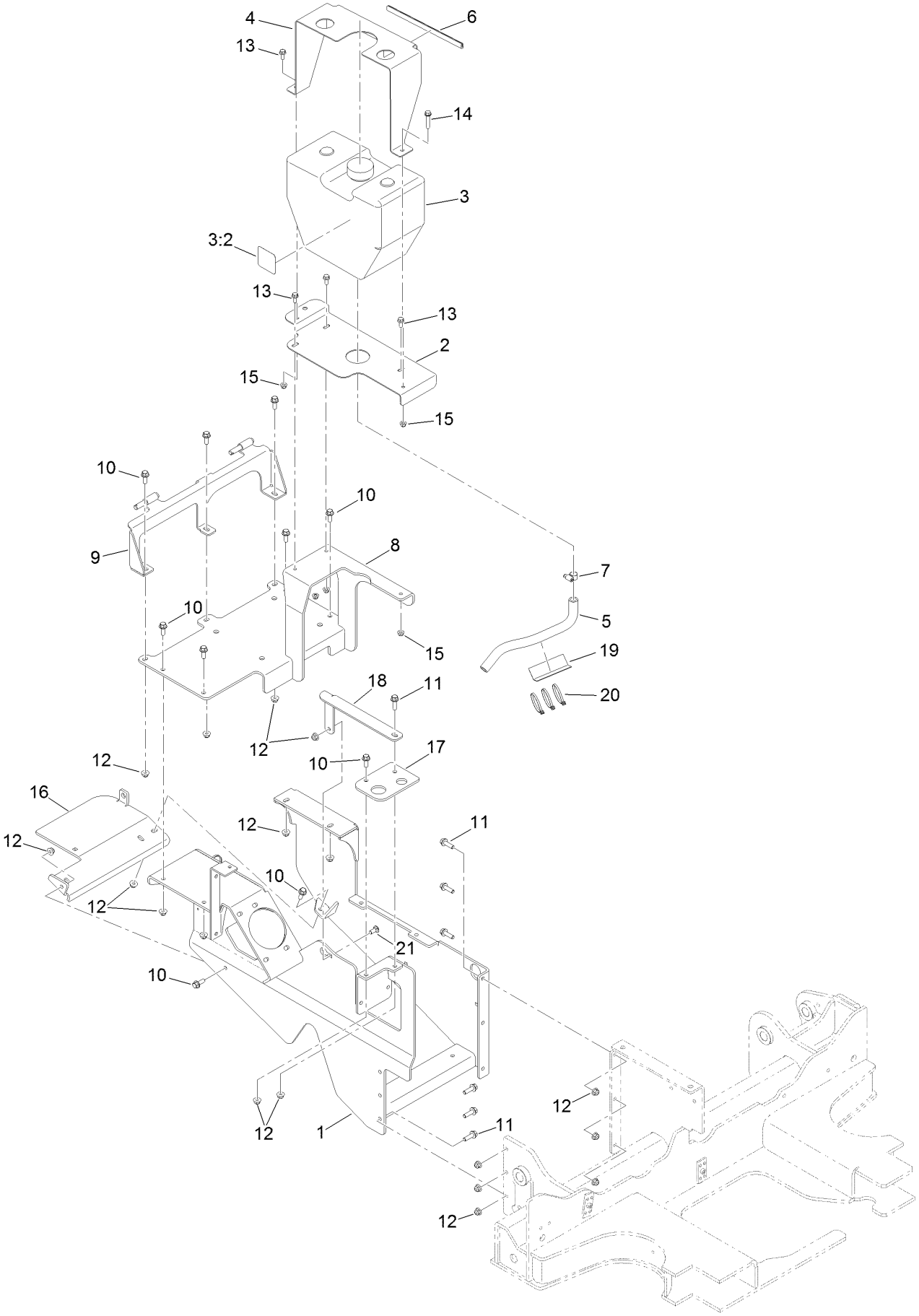
Hose Carrier Hydraulic Hose Assembly



Hose Carrier Hydraulic Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-6035	1	Hose-HYD
2	133-6037	1	Hose-HYD
3	136-8872	1	Hose-HYD
4	137-1709	1	Hose-HYD
5	137-1708	1	Hose-HYD
6	136-8871	1	Hose-HYD
7	136-8870	1	Hose-HYD
8	3334-945	3	Tie-Cable

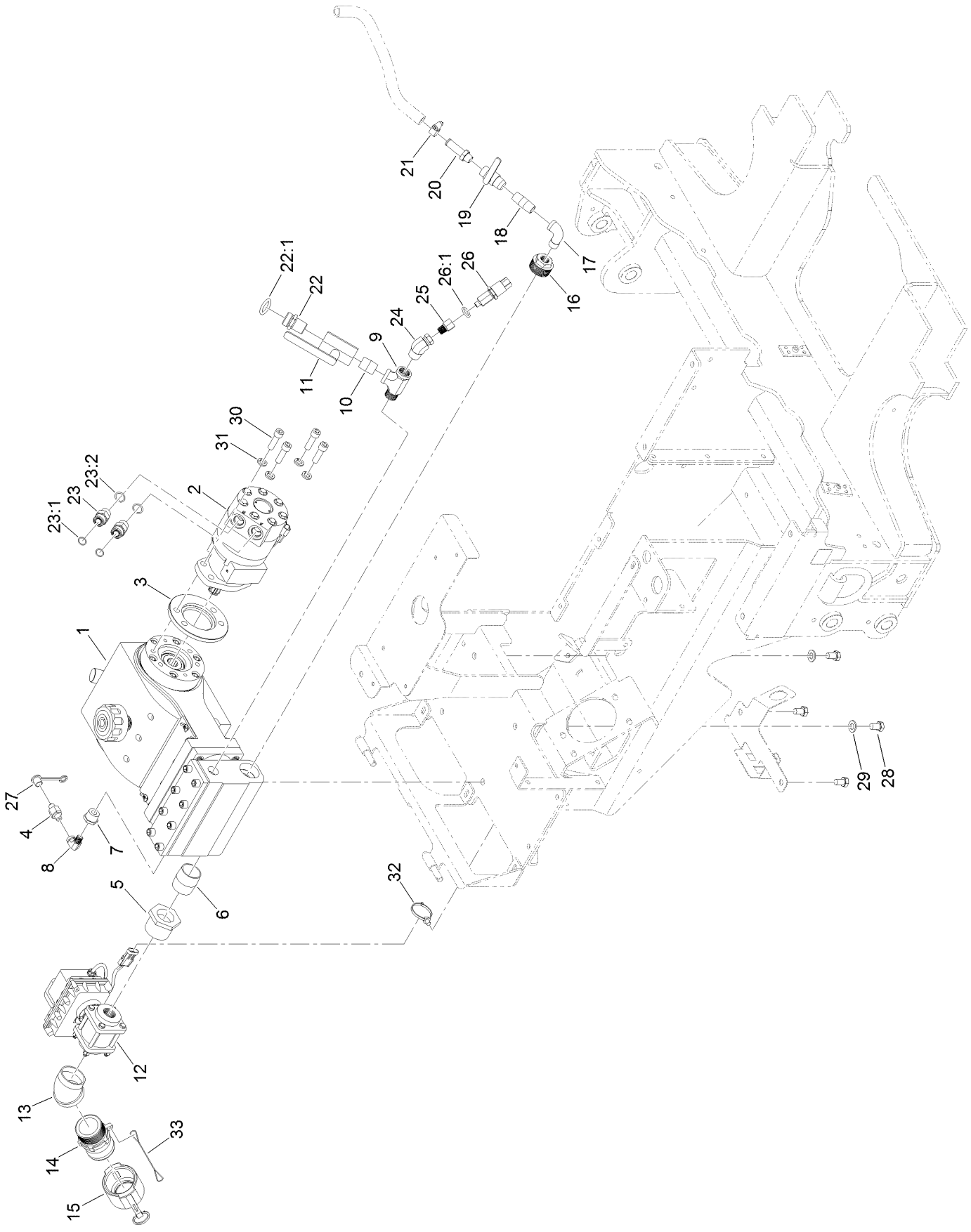
Mud Pump Support Assembly



Mud Pump Support Assembly (continued)

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

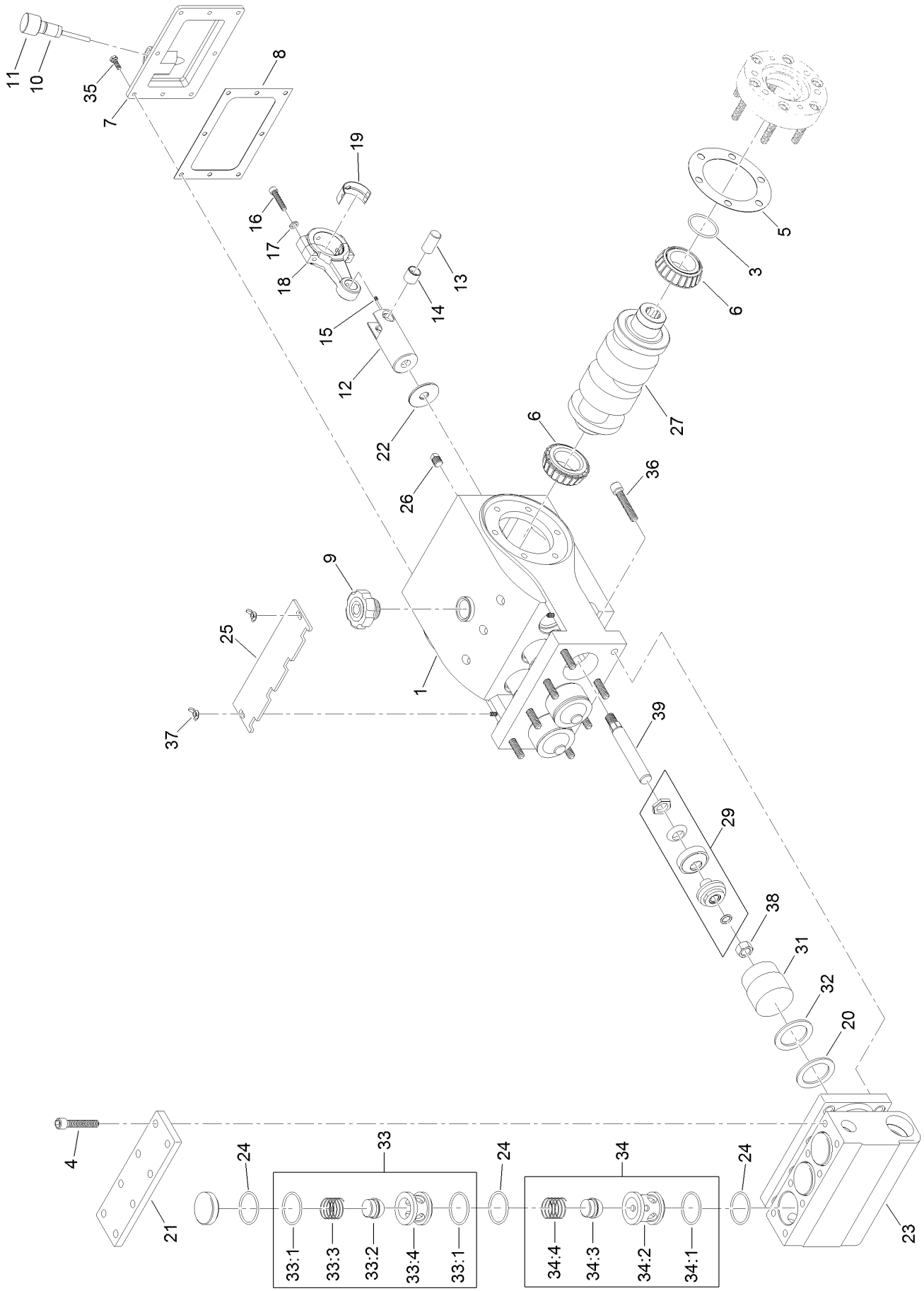
Mud Pump Assembly



Mud Pump Assembly (continued)

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

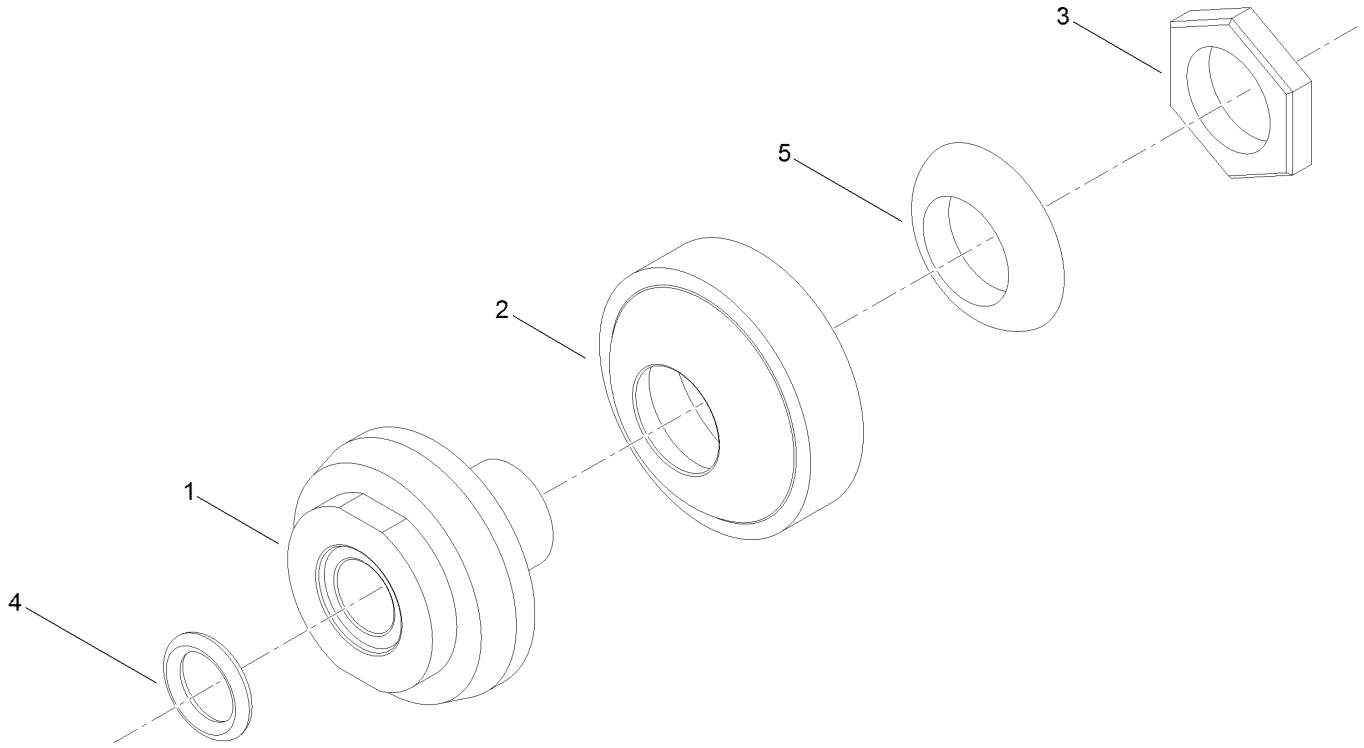
Mud Pump Assembly No. 136-1615



Mud Pump Assembly No. 136-1615 (continued)

Ref.	Part Number	Qty.	Description
1	137-1799	1	Case-Pump
3	131-0063	1	Seal-Oil, Crankshaft
4	131-0066	8	Capscrew
5	132-4196	1	Shim-Adjusting, Main Bearing
5	132-5691	1	Shim-Bearing, Main (.015)
5	132-5692	1	Shim-Bearing, Main (.010)
6	132-4197	2	Bearing-Main
7	131-0078	1	Cover-Pan
8	131-0064	1	Gasket-Cover, Pan
9	137-1798	1	Cap-Breather, Oil Filler
10	132-4199	1	Vent-Case, Pump
11	131-0079	1	Dipstick-Filler, Oil
12	131-0072	3	Crosshead
13	131-0073	3	Pin-Wrist
14	131-0074	3	Bushing-Pin, Wrist
15	132-4198	6	Screw-Set, Wrist Pin
16	131-0081	6	Capscrew-Rod, Connecting
17	131-0082	6	Washer-Capscrew, Connecting Rod
18	131-0076	3	Rod-Connecting
19	131-0062	6	Bearing-Insert, Connecting Rod
20	131-0065	3	Seal-Oil, Crosshead
21	131-0067	1	Coverplate-Plug
22	132-5706	3	Washer-Plunger
23	131-0069	1	Ductile-End, Fluid
24	132-5698	9	O Ring-Seat, Valve
25	131-0084	1	Cover-Chamber, Piston
26	131-0077	1	Plug-Drain, Oil
27	132-4195	1	Crankshaft-Drive, Splined
29	AU112490	3	Gold Piston Kit
31	AU112487	3	Liner-Piston, Ceramic
32	131-0070	3	Gasket-Liner
33	AU112483	3	Discharge Valve ASM
33:1	AU112481	2	O Ring-Seat, Valve
33:2	AU112480	1	Valve-Body
33:3	AU112479	1	Spring-Valve
33:4	AU112482	1	Seat-Valve, Discharge
34	AU112485	3	Suction Valve ASM
34:1	AU112481	1	O Ring-Seat, Valve
34:2	AU112484	1	Seat-Valve, Suction
34:3	AU112480	1	Valve-Body
34:4	AU112479	1	Spring-Valve
35	132-5669	8	Capscrew-Cover, Pan
36	132-5699	20	Capscrew-Fluid, End
37	132-5689	2	Nut-Wing, Inspection Cover
38	136-1631	3	Nut-Lock, Piston Rod
39	AU112489	3	Rod-Extension, Piston

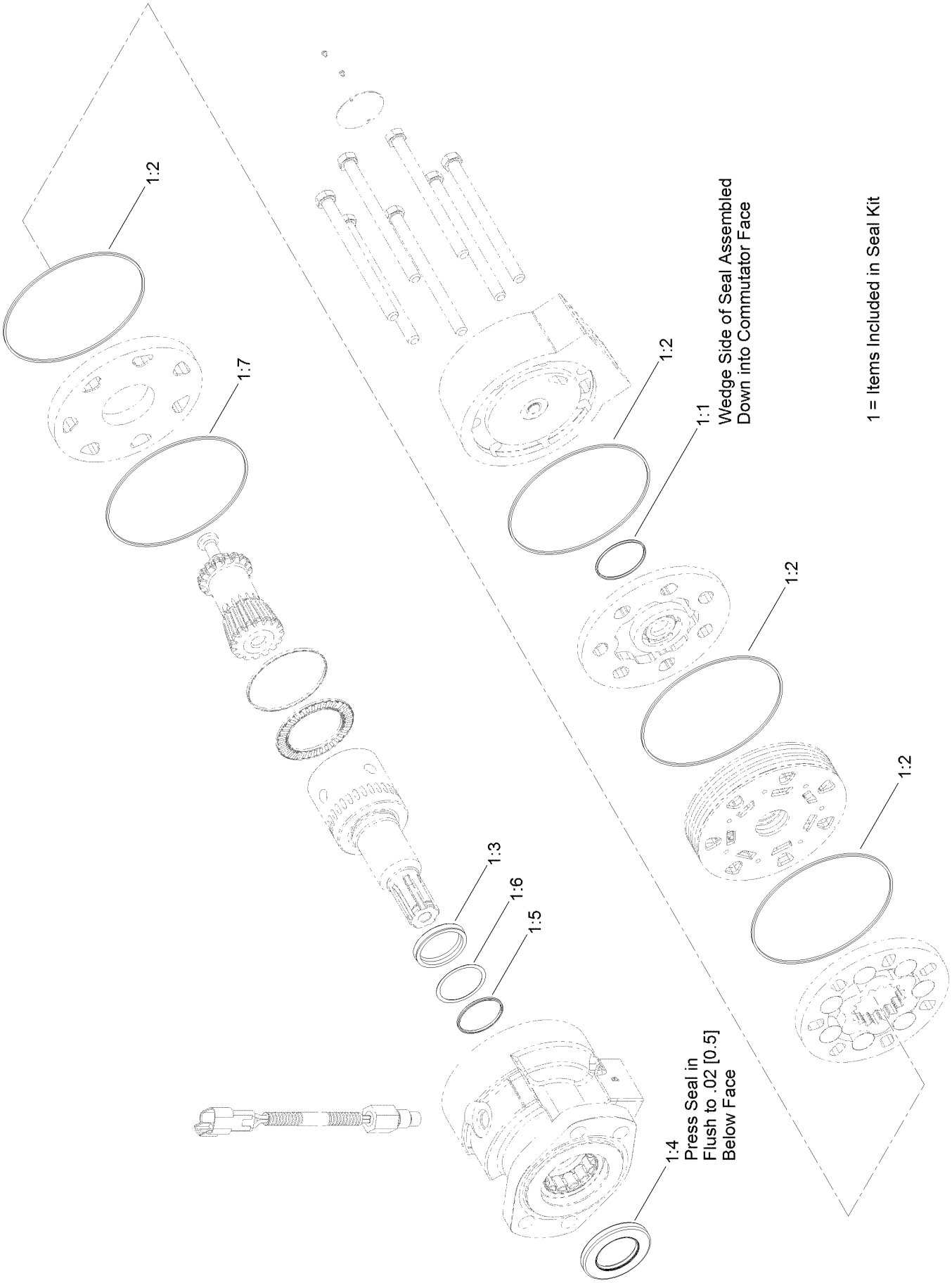
Gold Chrome Piston Assembly No. AU112490



Gold Chrome Piston Assembly No. AU112490 (continued)

Ref.	Part Number	Qty.	Description
1	132-5707	1	Body-Piston
2	AU112497	1	Cup-Piston, Gold
3	132-5708	1	Nut-Jam, Hex
4	132-5697	1	O Ring-Body, Piston
5	132-5704	1	Retainer-Cup, Piston

Hydraulic Motor Assembly No. 132-5745

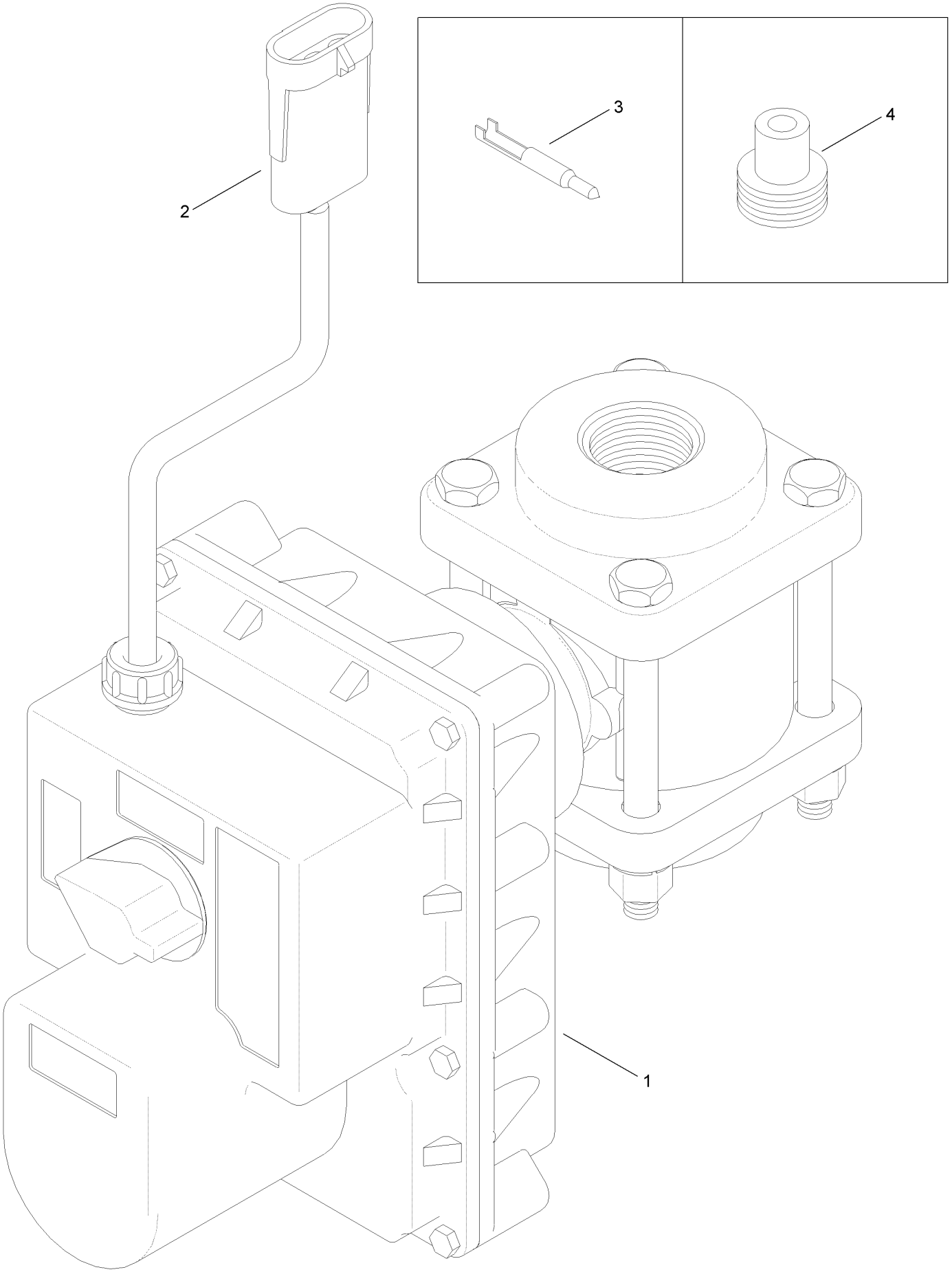


Hydraulic Motor Assembly No. 132-5745 (continued)

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

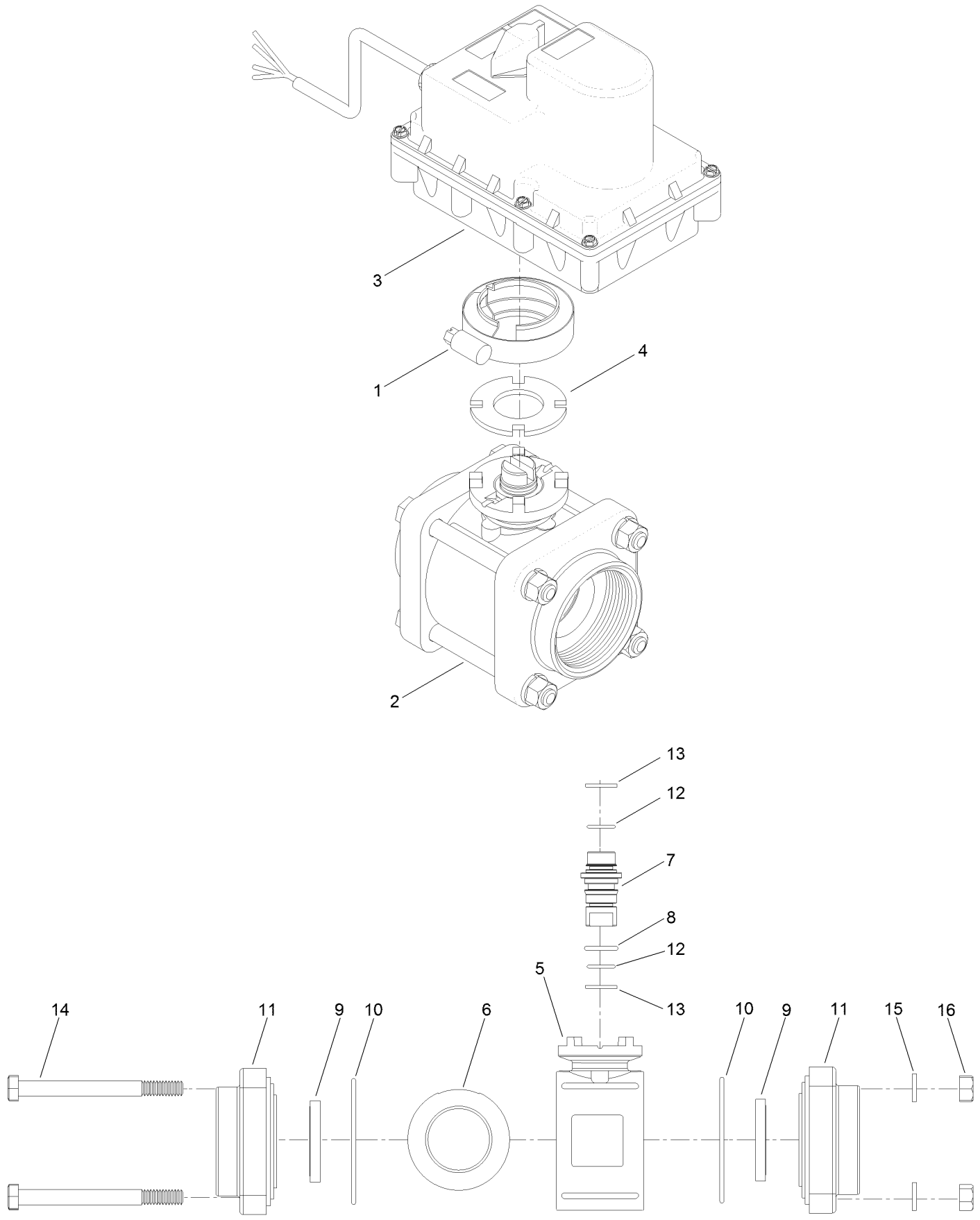
2 Inch Ball Valve Assembly No. AU6HV29033



2 Inch Ball Valve Assembly No. AU6HV29033 (continued)

Ref.	Part Number	Qty.	Description
1	AU8HV29033	1	Water Shutoff Valve ASM
2	AU8EC92203	1	Connector-Male, 3-Way (Body Only)
3	AU8EC92302	3	Terminal-Male
4	AU8EC92502	3	Seal

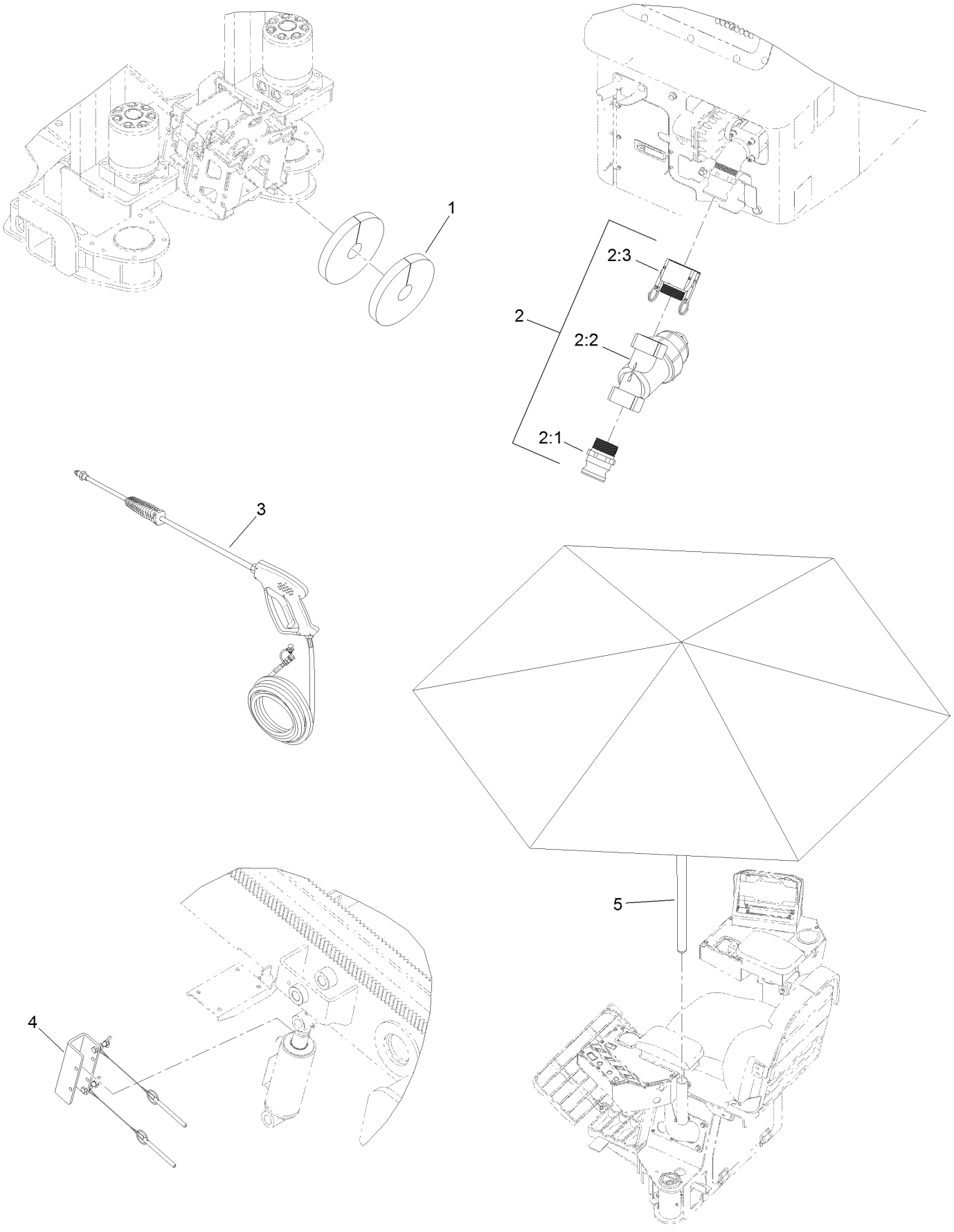
Water Shutoff Valve Assembly No. AU8HV29033



Water Shutoff Valve Assembly No. AU8HV29033 (continued)

Ref.	Part Number	Qty.	Description
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
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

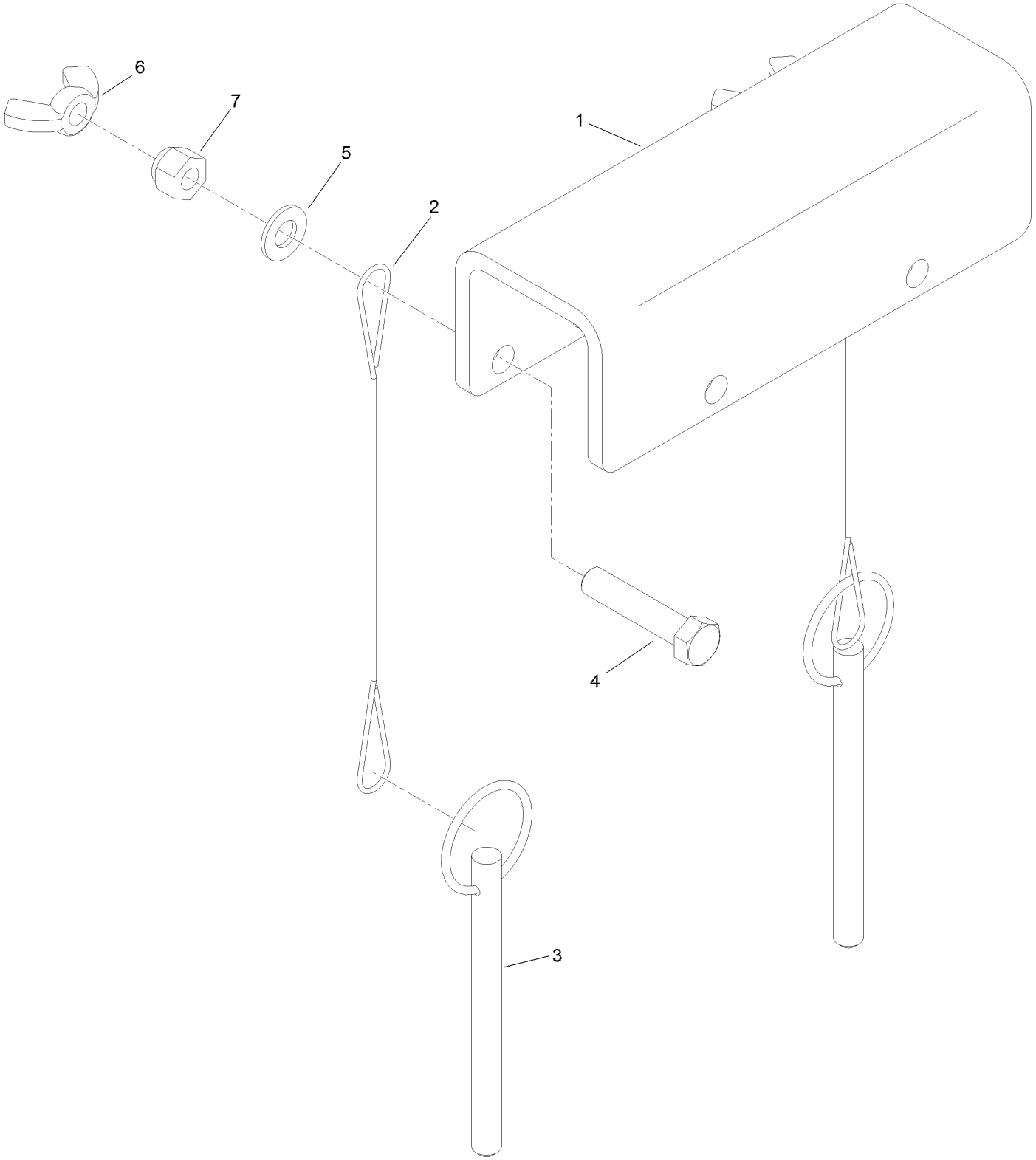
Wash Wand, Cylinder Lockout, Strainer and Split Wiper Assembly



Wash Wand, Cylinder Lockout, Strainer and Split Wiper Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU01DT0018	2	Wiper-Pipe
2	AU32GB1215	1	Strainer Kit
2:1	AU110378	1	Adapter-Male
2:2	AU8FL10017	1	Strainer-Y
2:3	AU8CH21332	1	Fitting-Camlok
3	127-0991	1	Wash Down Wand ASM
4	137-7159	1	Cylinder Lockout ASM
5	127-5273	1	Umbrella-Toro

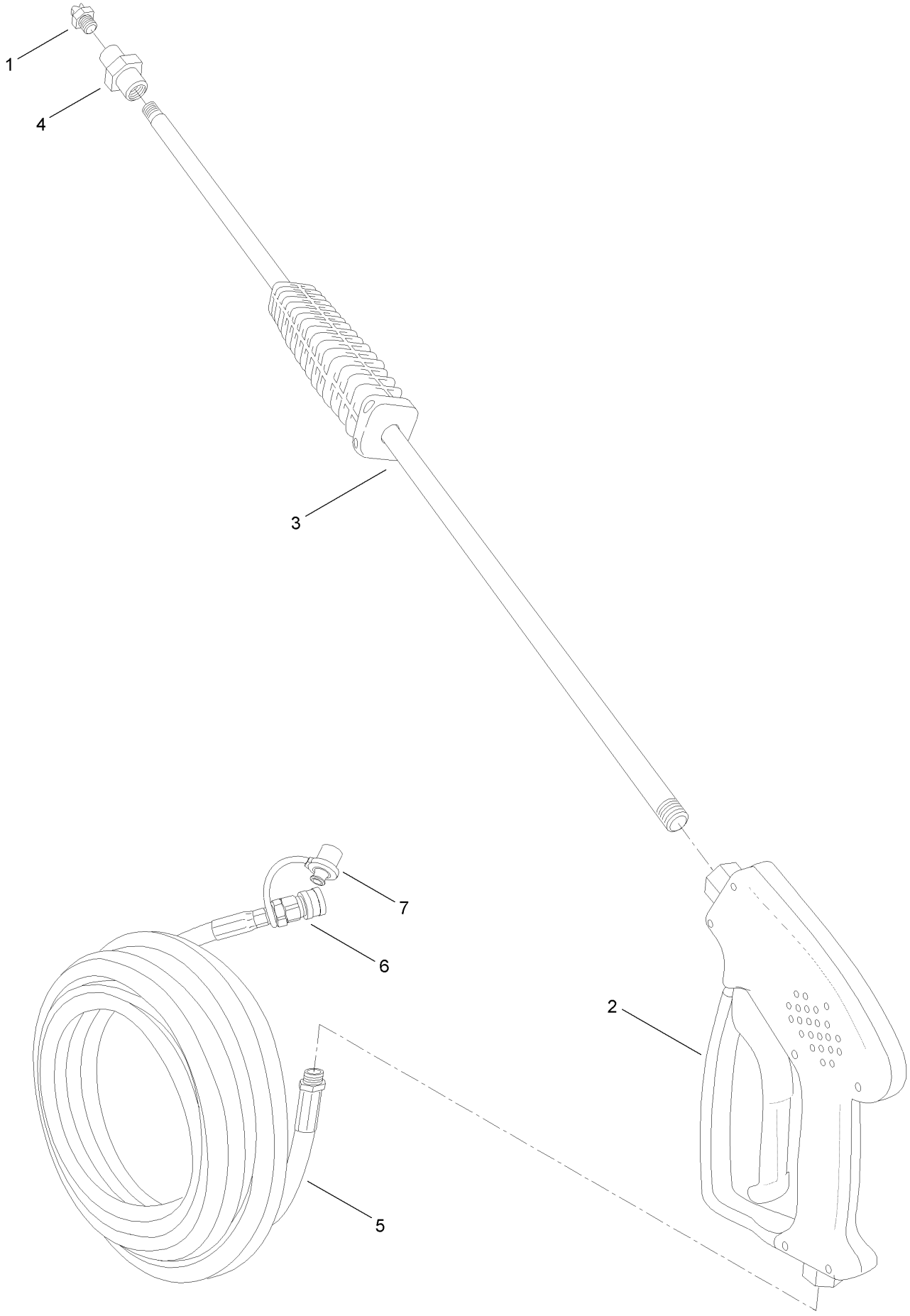
Cylinder Lockout Assembly No. 137-7159



Cylinder Lockout Assembly No. 137-7159 (continued)

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

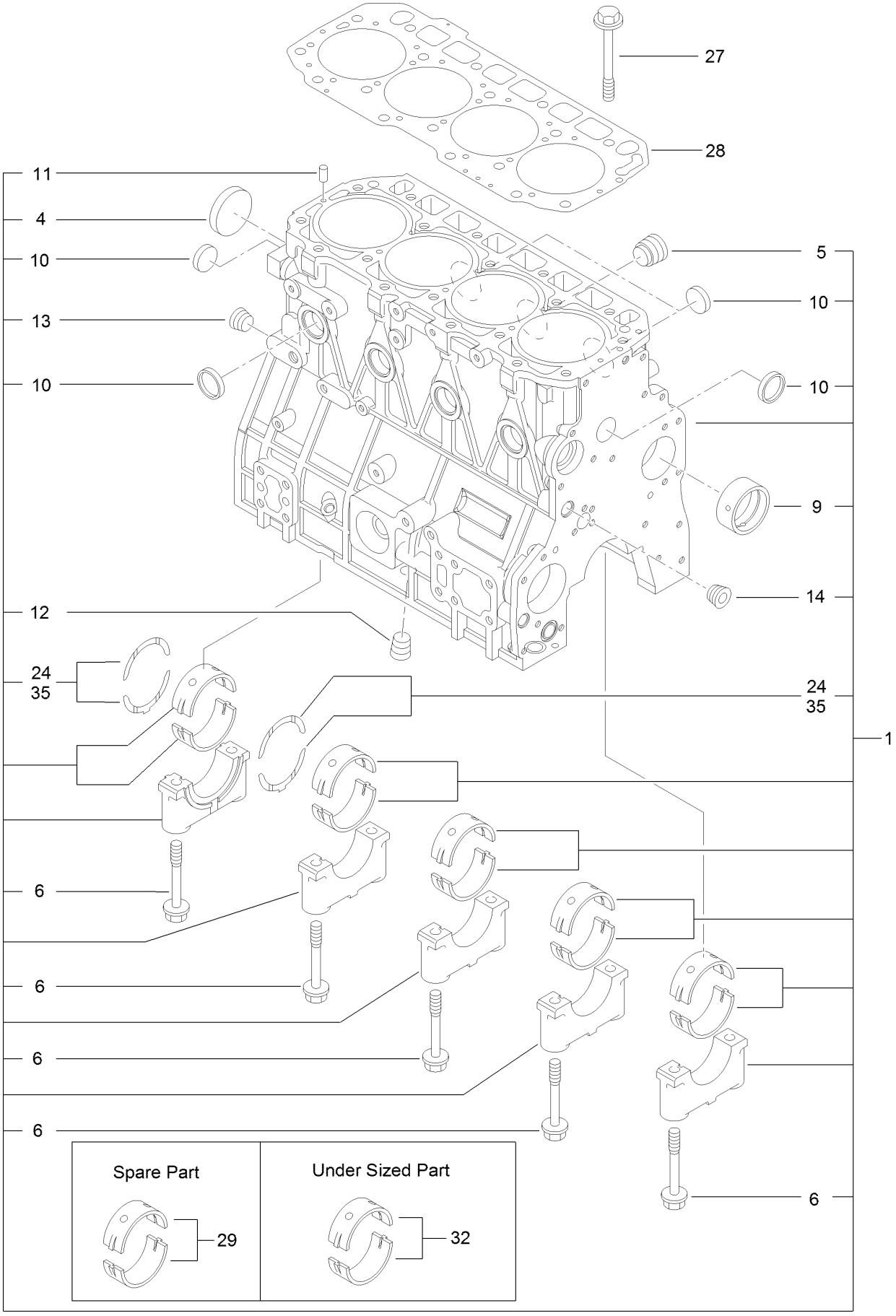
Wash Down Wand Assembly No. 127-0991



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

Ref.	Part Number	Qty.	Description
1	AU20MC8512	1	Nozzle-Spray
2	AU40MP8018	1	Gun-Spray
3	AU40MP8019	1	Lance
4	AU8PC40004	1	Coupling-Pipe
5	AU126046	1	Hose-HYD
6	AU8QD52204	1	Coupler-Connect, Quick
7	130-4504	1	Plug-Dust

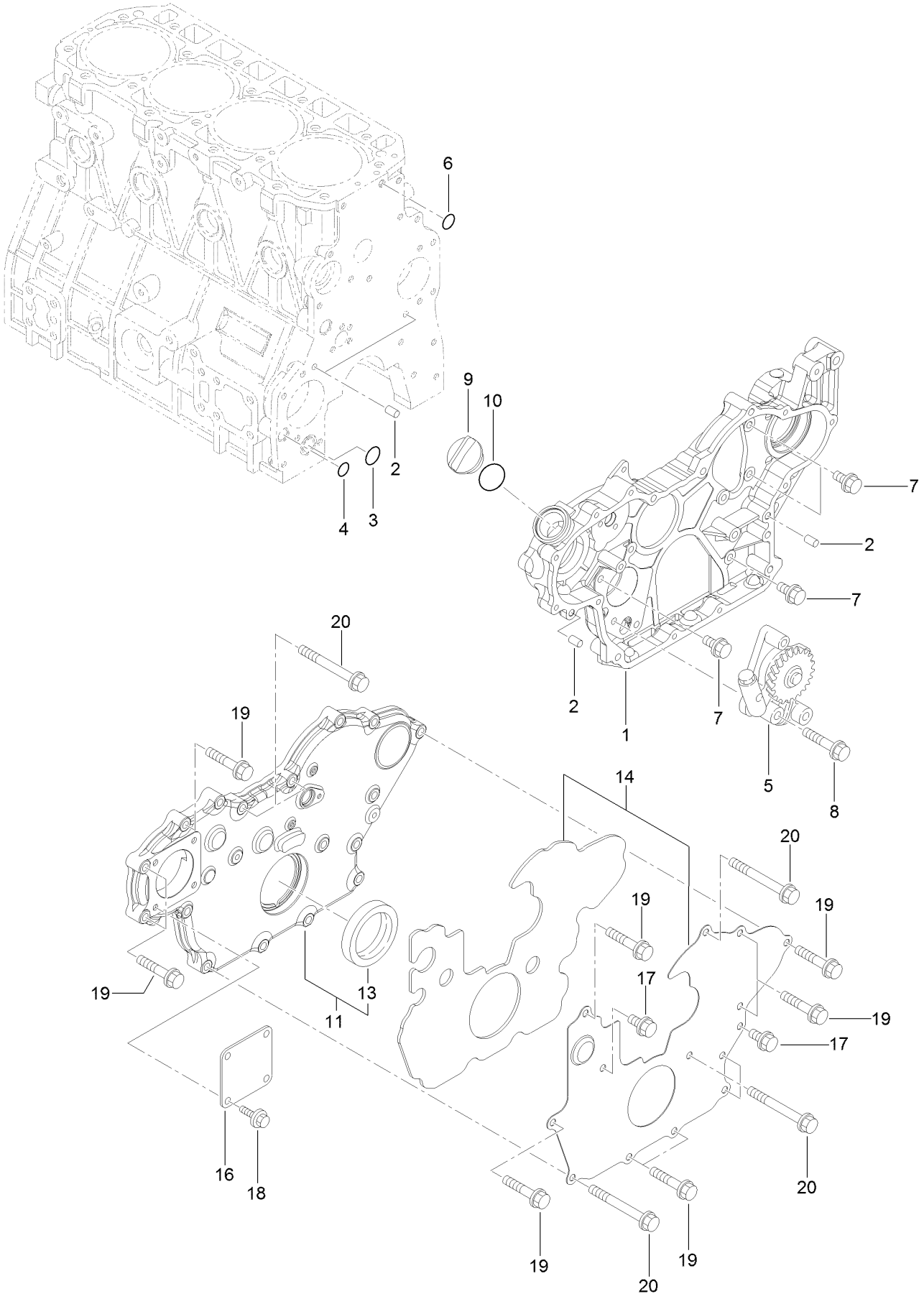
Cylinder Block Assembly



Cylinder Block Assembly (continued)

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

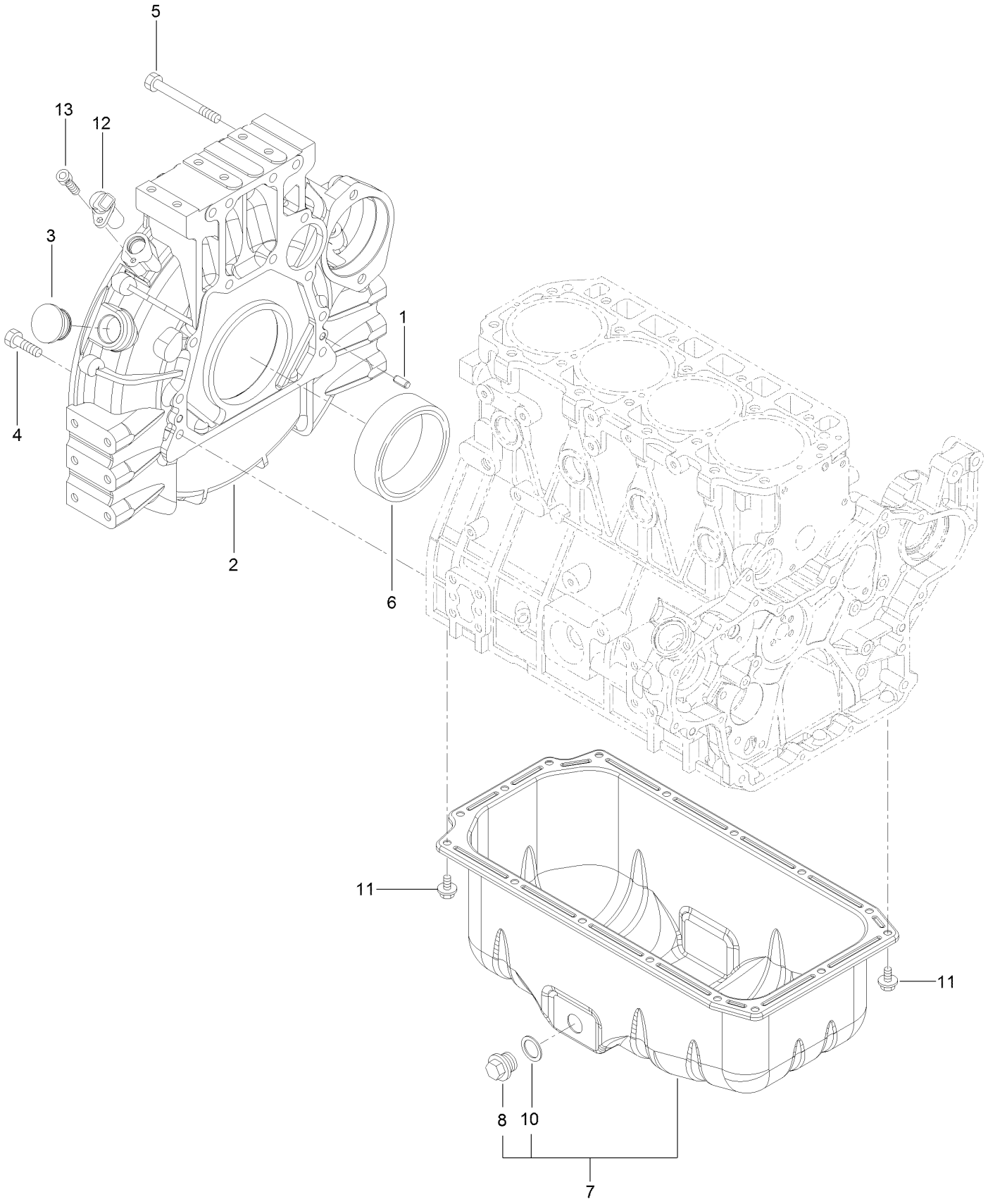
Gear Housing Assembly



Gear Housing Assembly (continued)

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

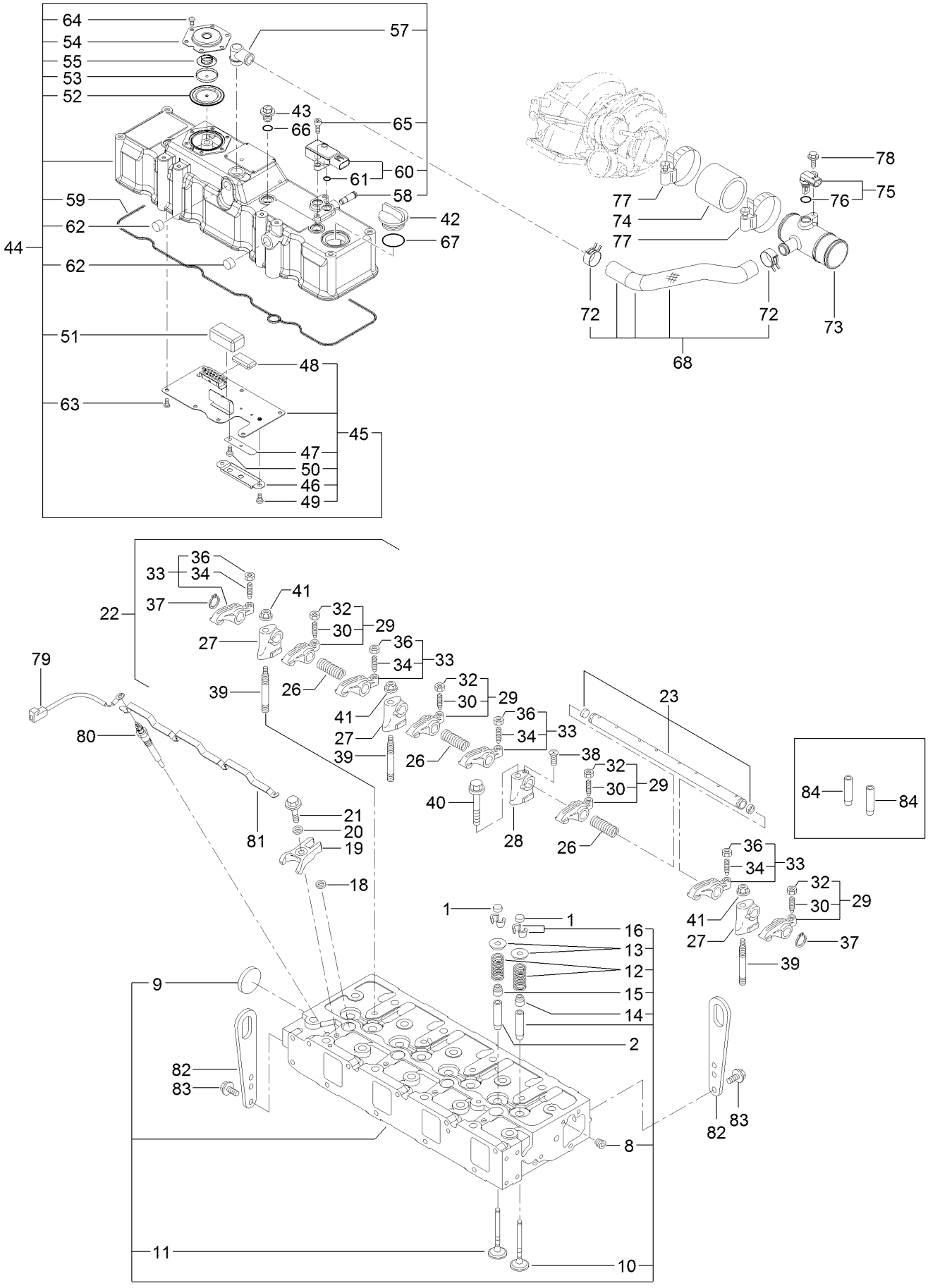
Flywheel Housing and Oil Sump Assembly



Flywheel Housing and Oil Sump Assembly (continued)

Ref.	Part Number	Qty.	Description
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
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

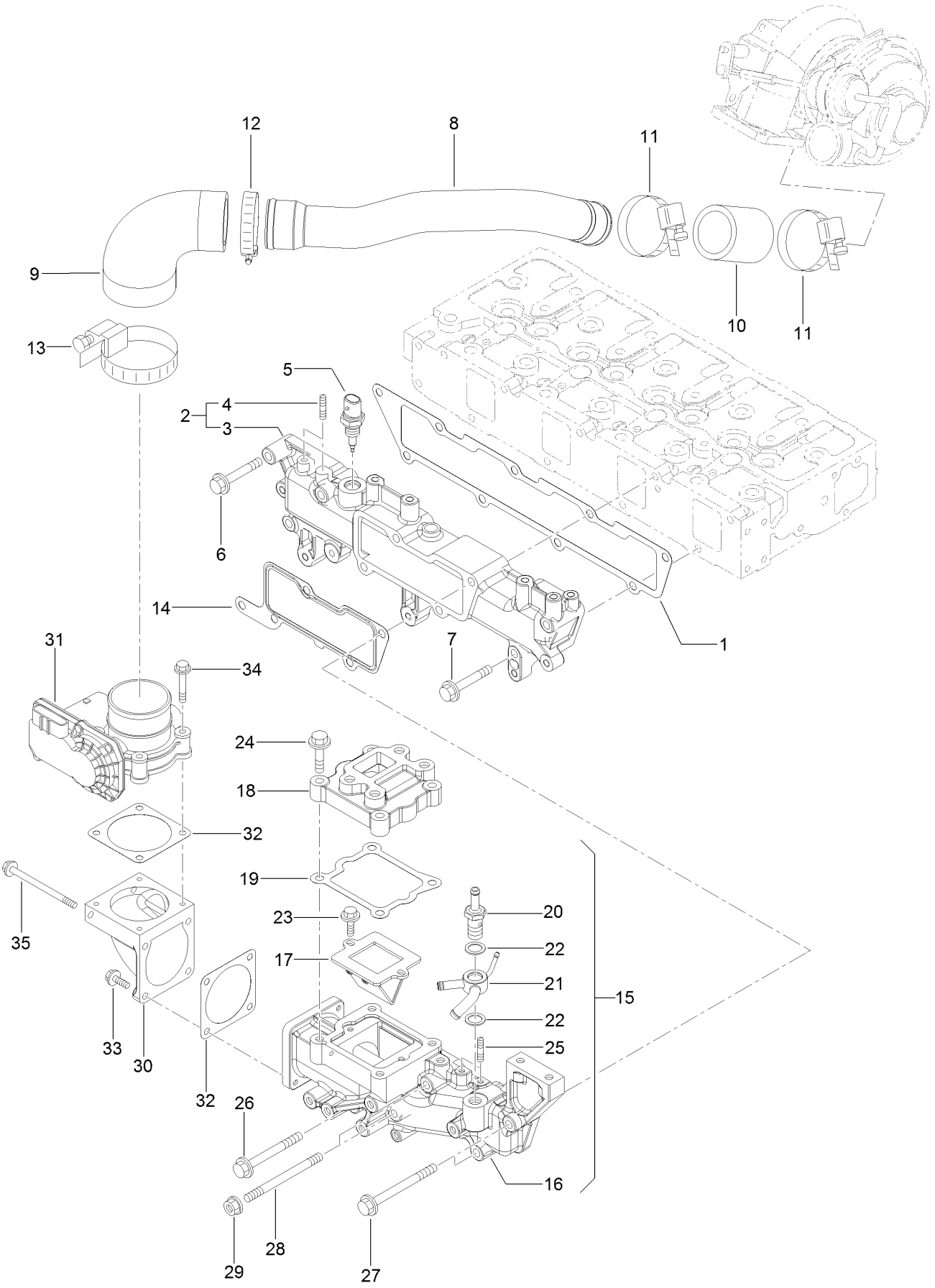
Cylinder Head and Cover Assembly



Cylinder Head and Cover Assembly (continued)

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

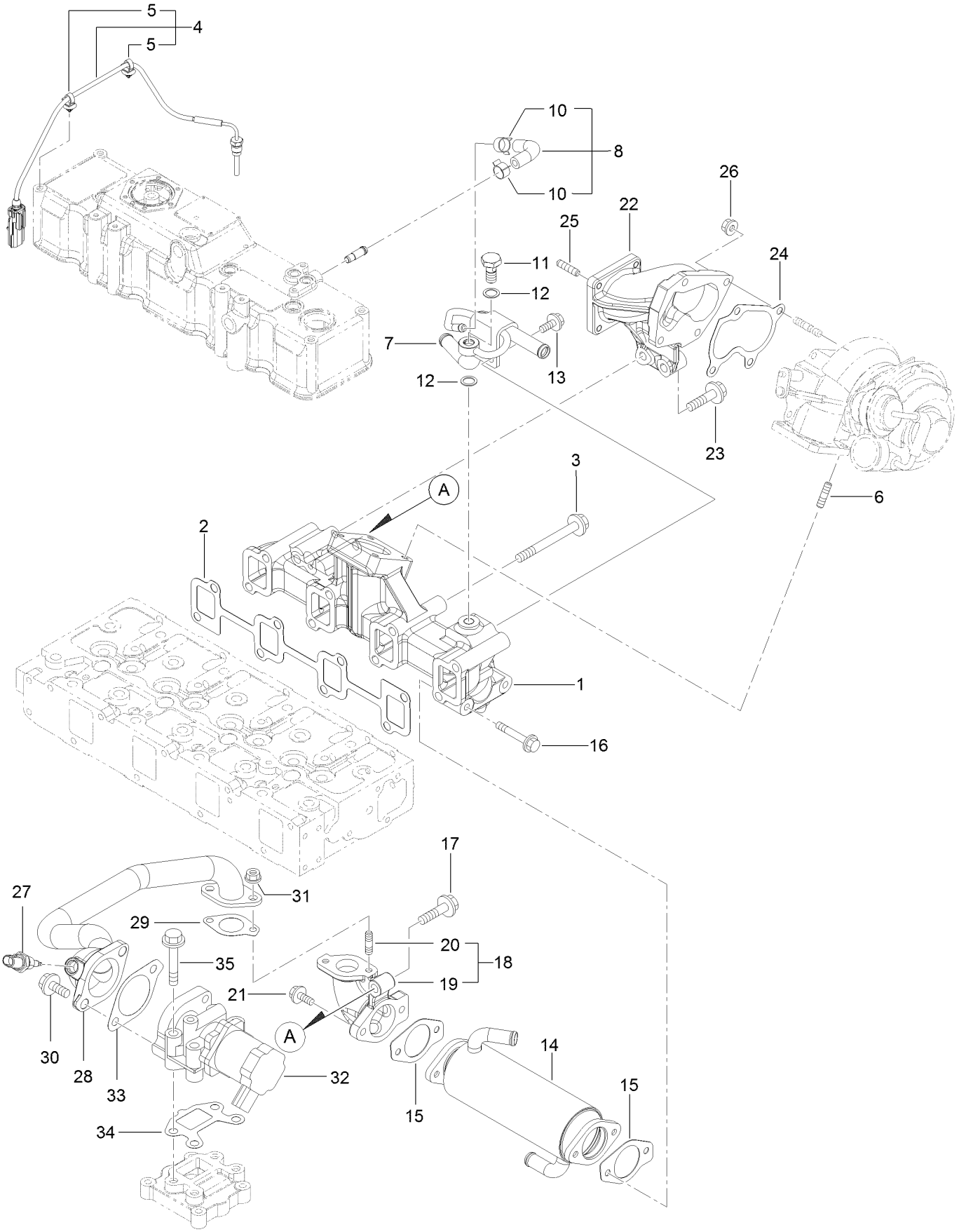
Suction Manifold Assembly



Suction Manifold Assembly (continued)

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

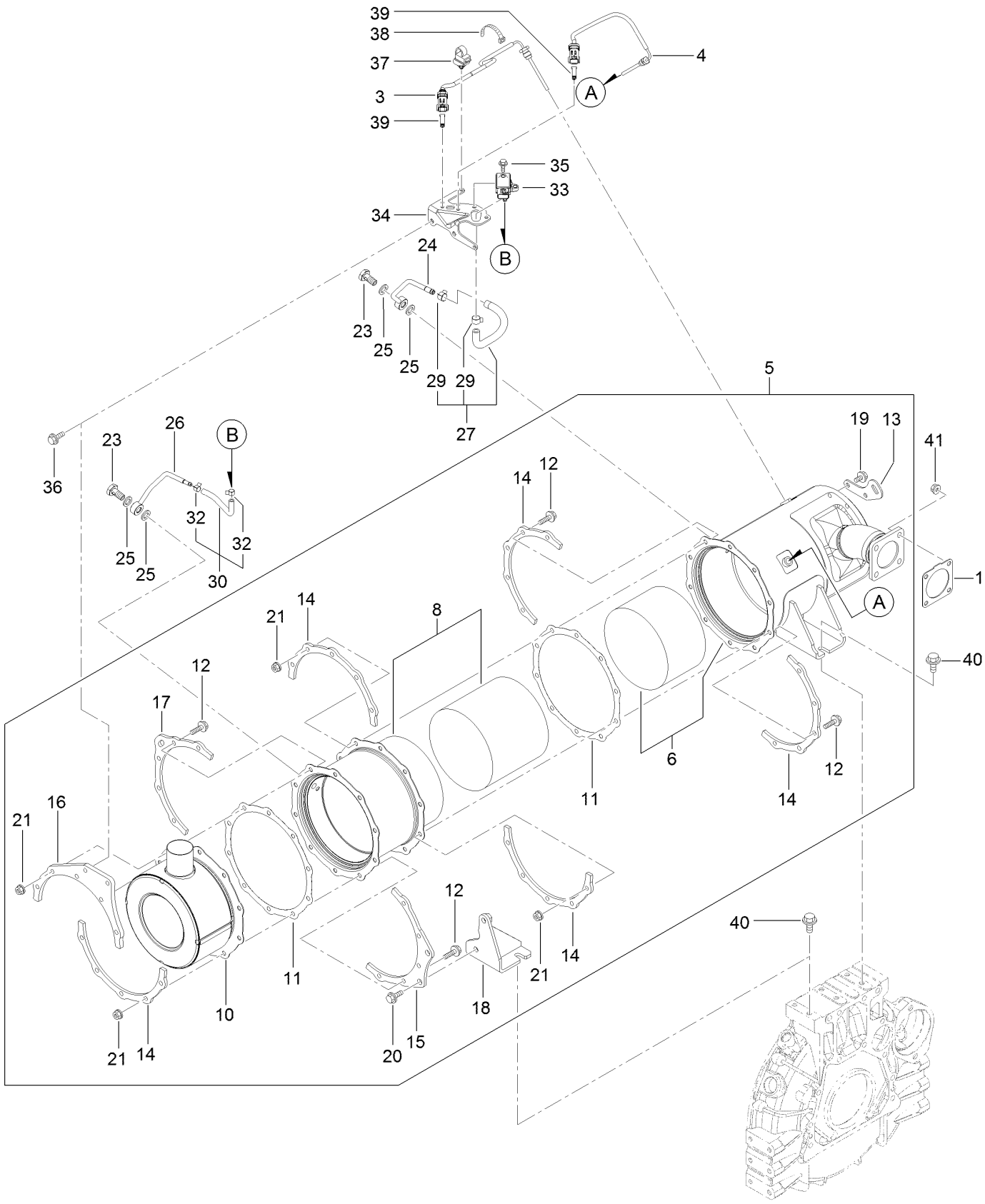
Exhaust Manifold Assembly



Exhaust Manifold Assembly (continued)

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

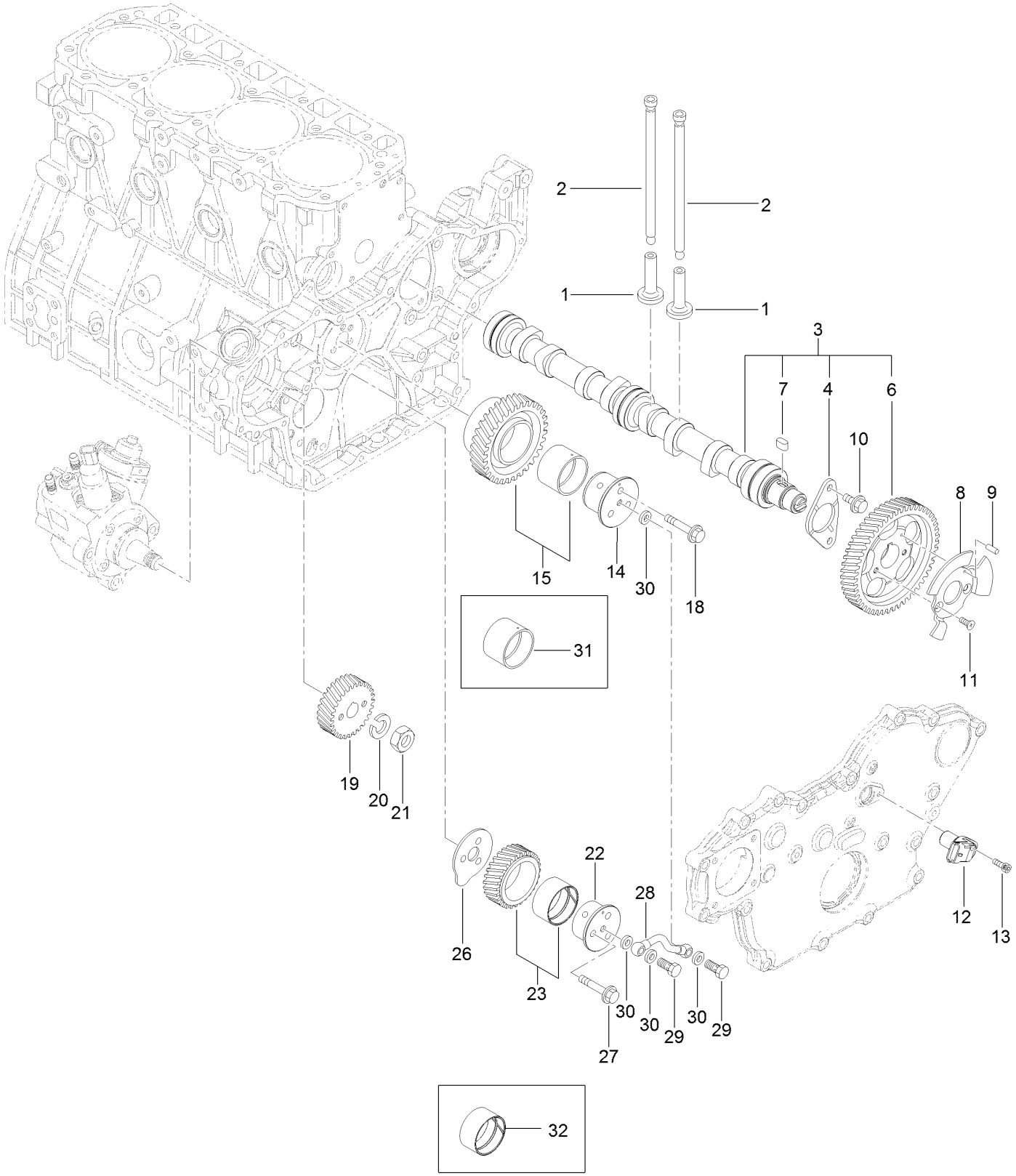
Diesel Particulate Filter Assembly



Diesel Particulate Filter Assembly (continued)

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

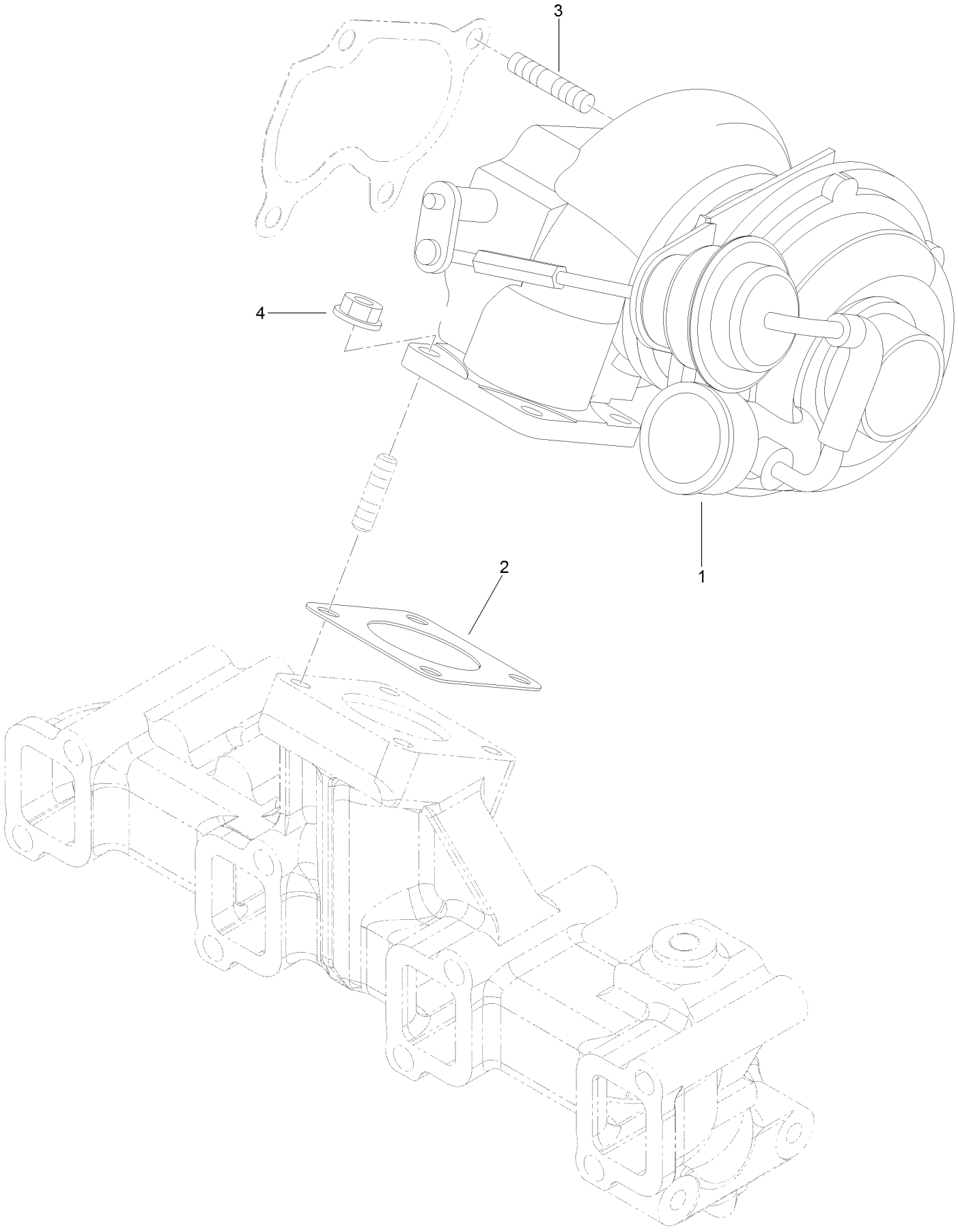
Camshaft and Driving Gear Assembly



Camshaft and Driving Gear Assembly (continued)

Ref.	Part Number	Qty.	Description
1	125-7016	8	Tappet
2	133-6644	8	Rod-Push
3	133-6726	1	Cam Shaft ASM
4	125-7008	1	Metal-Thrust
6	133-6725	1	Gear-Camshaft
7	125-7185	1	Key
8	133-6727	1	Pulser-Gear, Cam
9	125-7182	1	Pin-Spring
10	125-7213	2	Bolt
11	133-2504	2	Screw
12	127-3054	1	Sensor-Rev, Gear
13	127-3184	1	Bolt
14	133-6731	1	Shaft-Gear A, Idle
15	133-6652	1	Idle Gear ASM
18	125-7220	3	Bolt
19	133-6737	1	Gear-Pump, Supply
20	127-3167	1	Washer-Spring
21	127-3185	1	Nut-Lock
22	133-6732	1	Shaft-Gear B, Idle
23	133-6734	1	Idle Gear B ASM
26	133-6735	1	Plate-Shaft B, Idle
27	125-7219	3	Bolt
28	133-6736	1	L O Pipe ASM
29	133-6600	2	Bolt-Joint, Pipe
30	125-7174	4	Washer-Seal
31	133-6624	1	Bushing-Gear, Idle
32	133-6733	1	Bushing

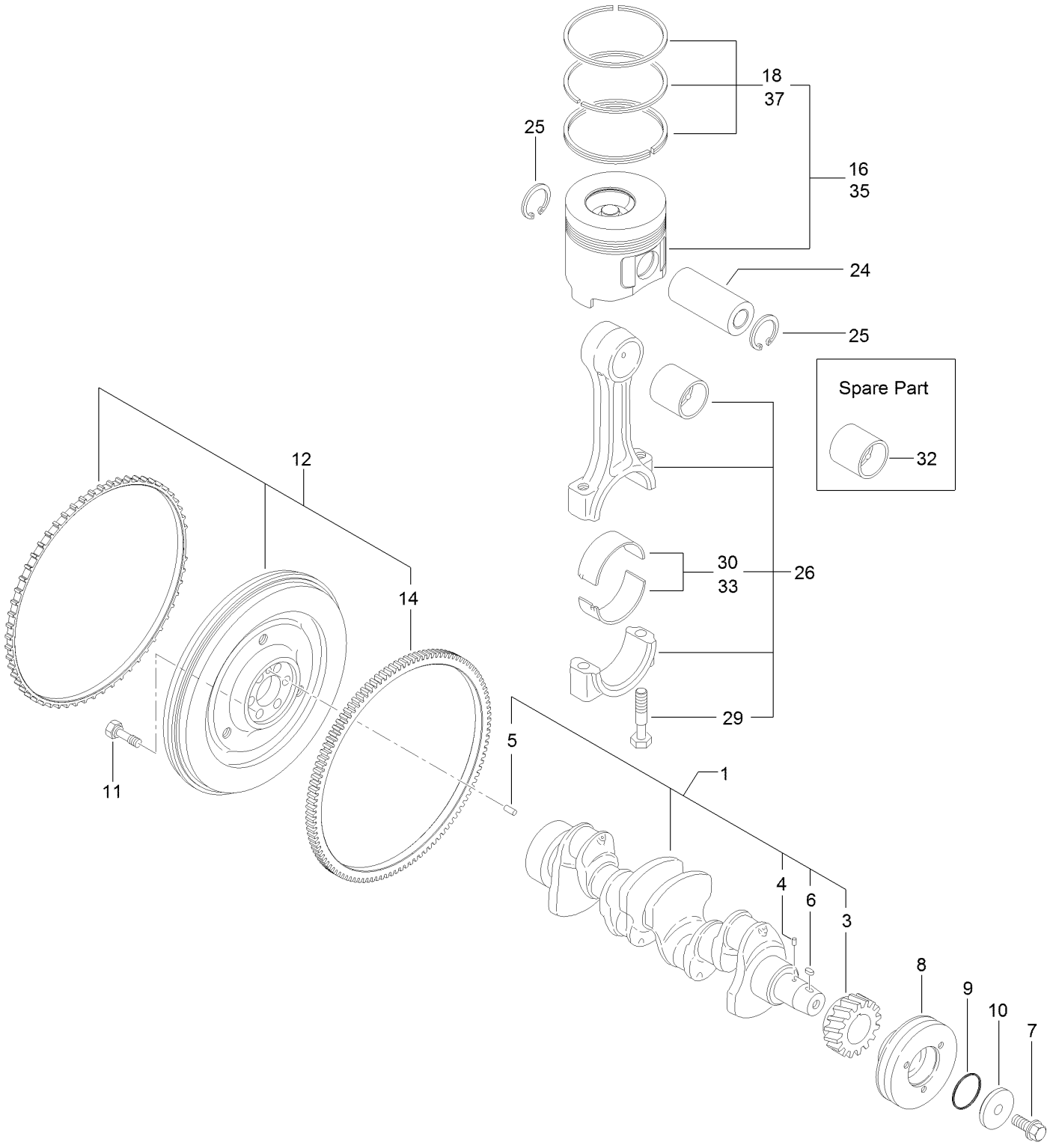
Turbine Assembly



Turbine Assembly (continued)

Ref.	Part Number	Qty.	Description
1	137-5188	1	Turbocharger
2	133-6625	1	Gasket
3	125-6906	4	Stud
4	125-7229	4	Nut

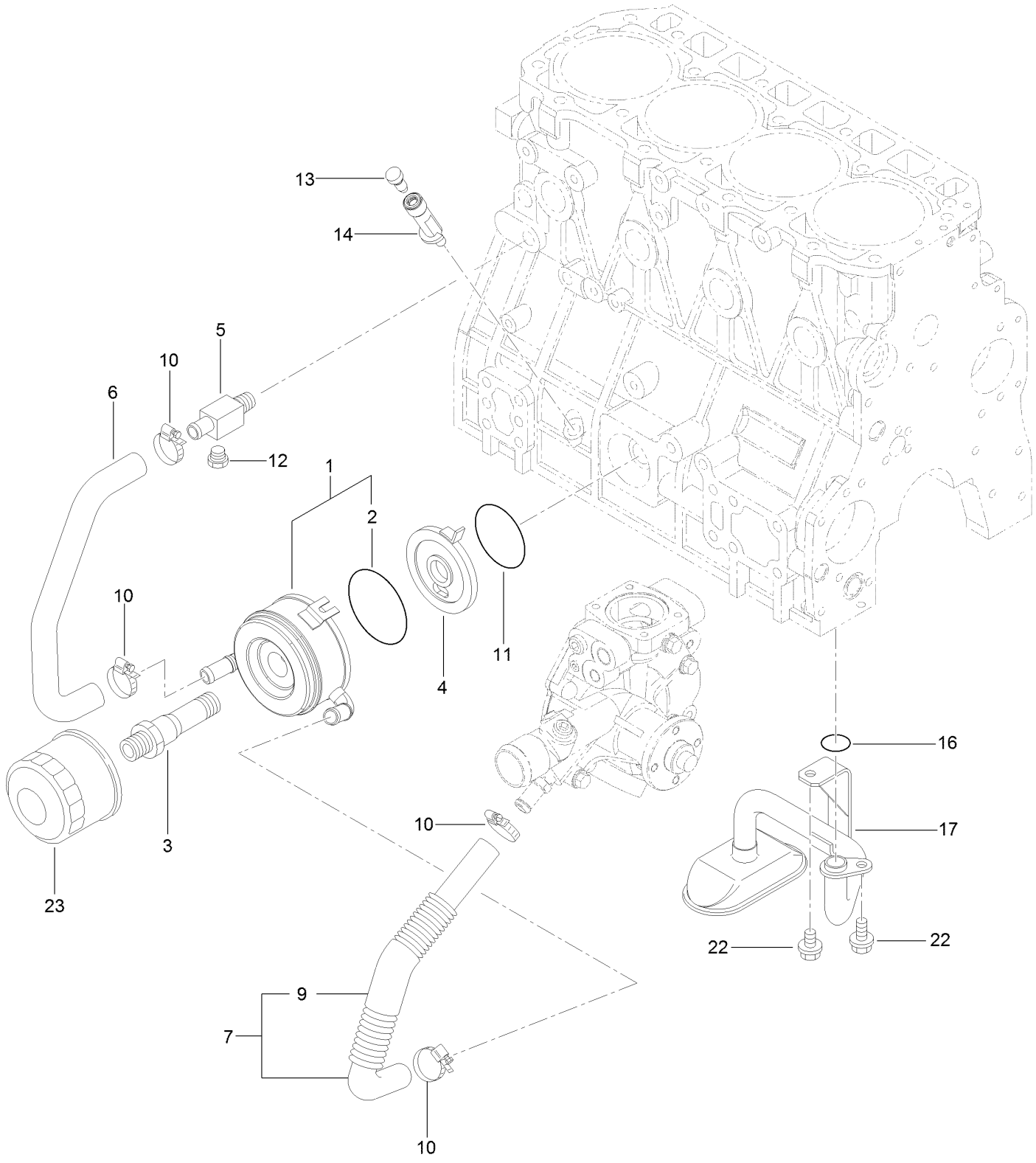
Crankshaft and Piston Assembly



Crankshaft and Piston Assembly (continued)

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

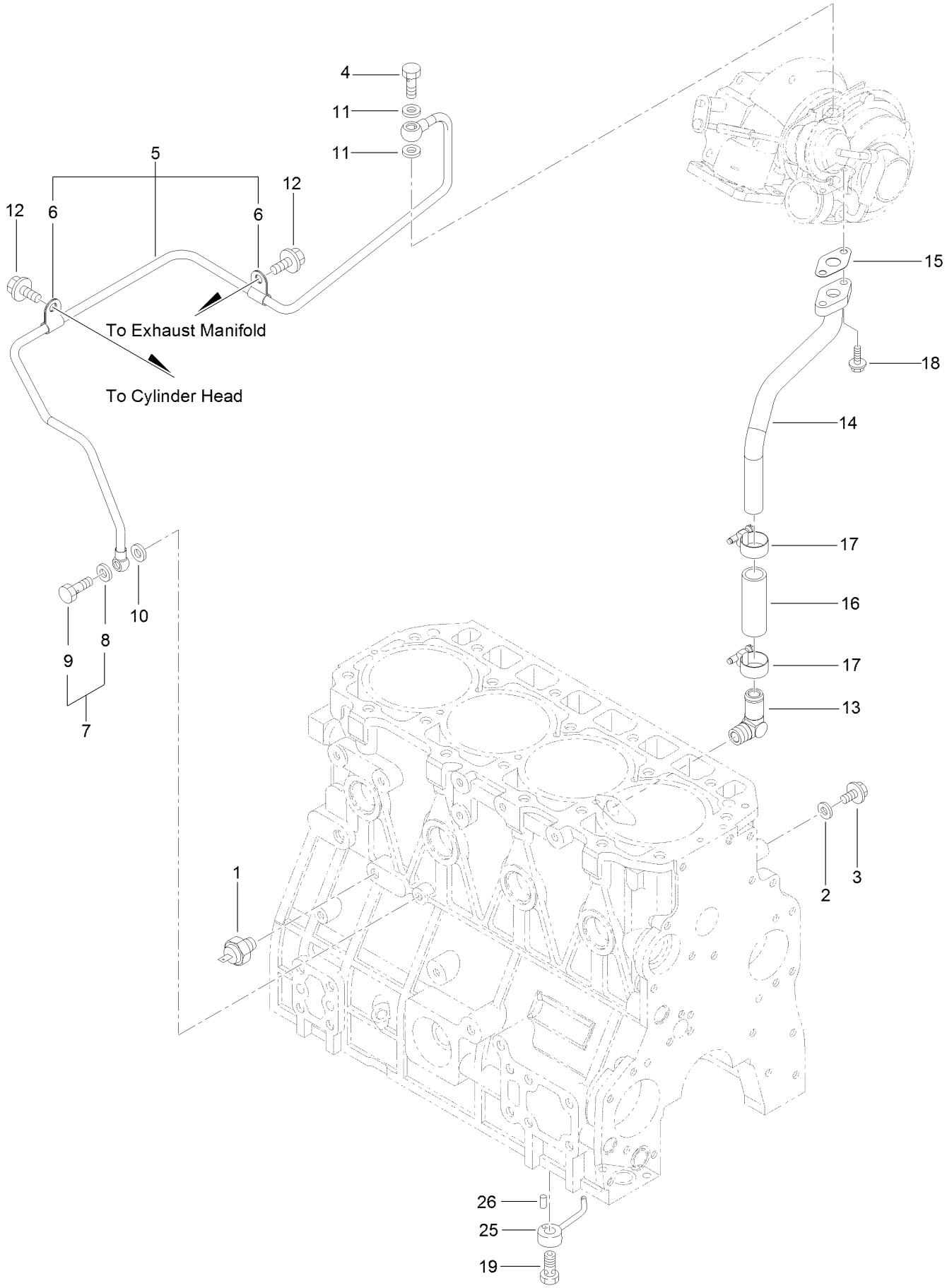
Lubrication and Oil System Assembly



Lubrication and Oil System Assembly (continued)

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

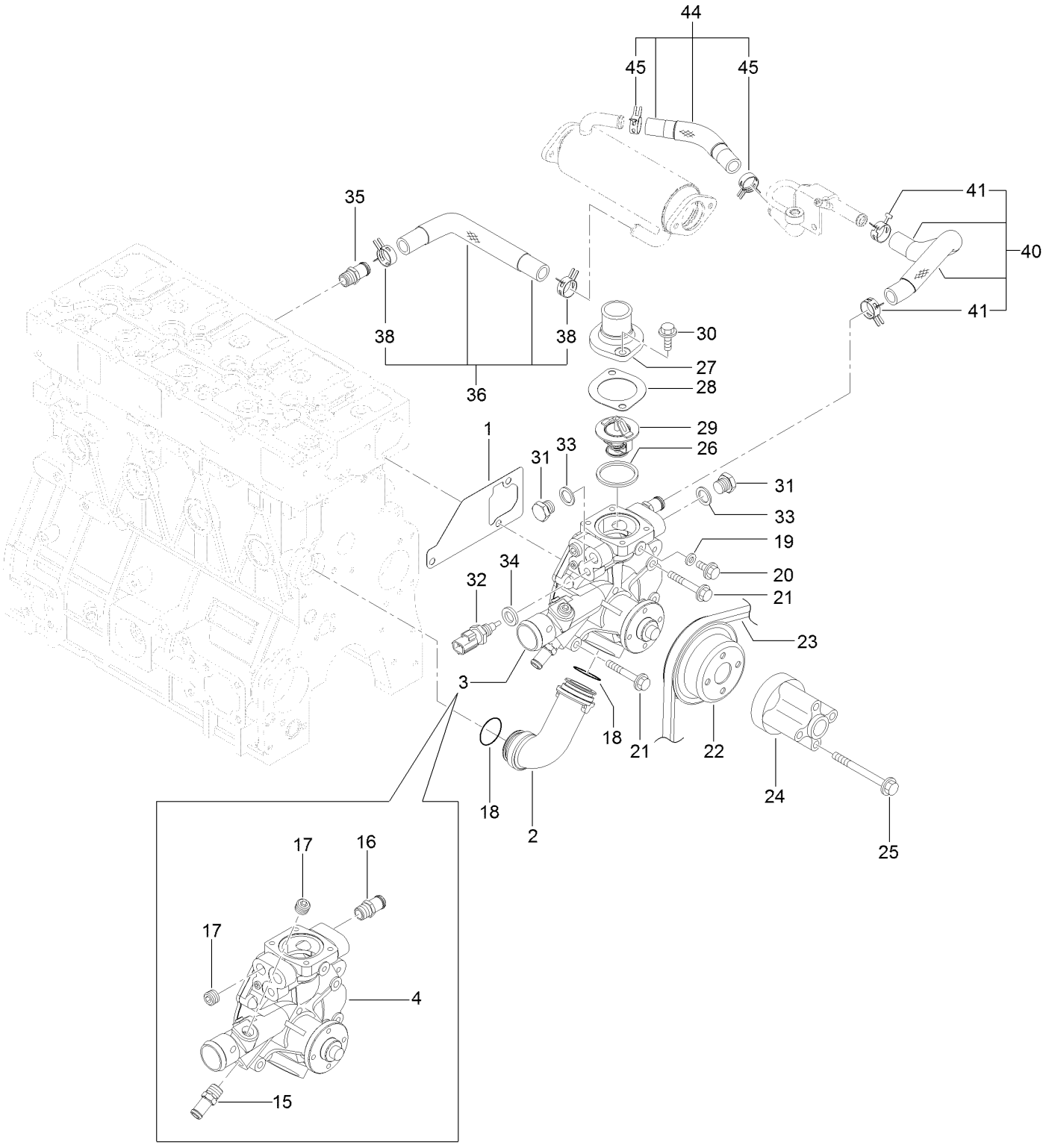
Lubrication Oil Pipe Assembly



Lubrication Oil Pipe Assembly (continued)

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

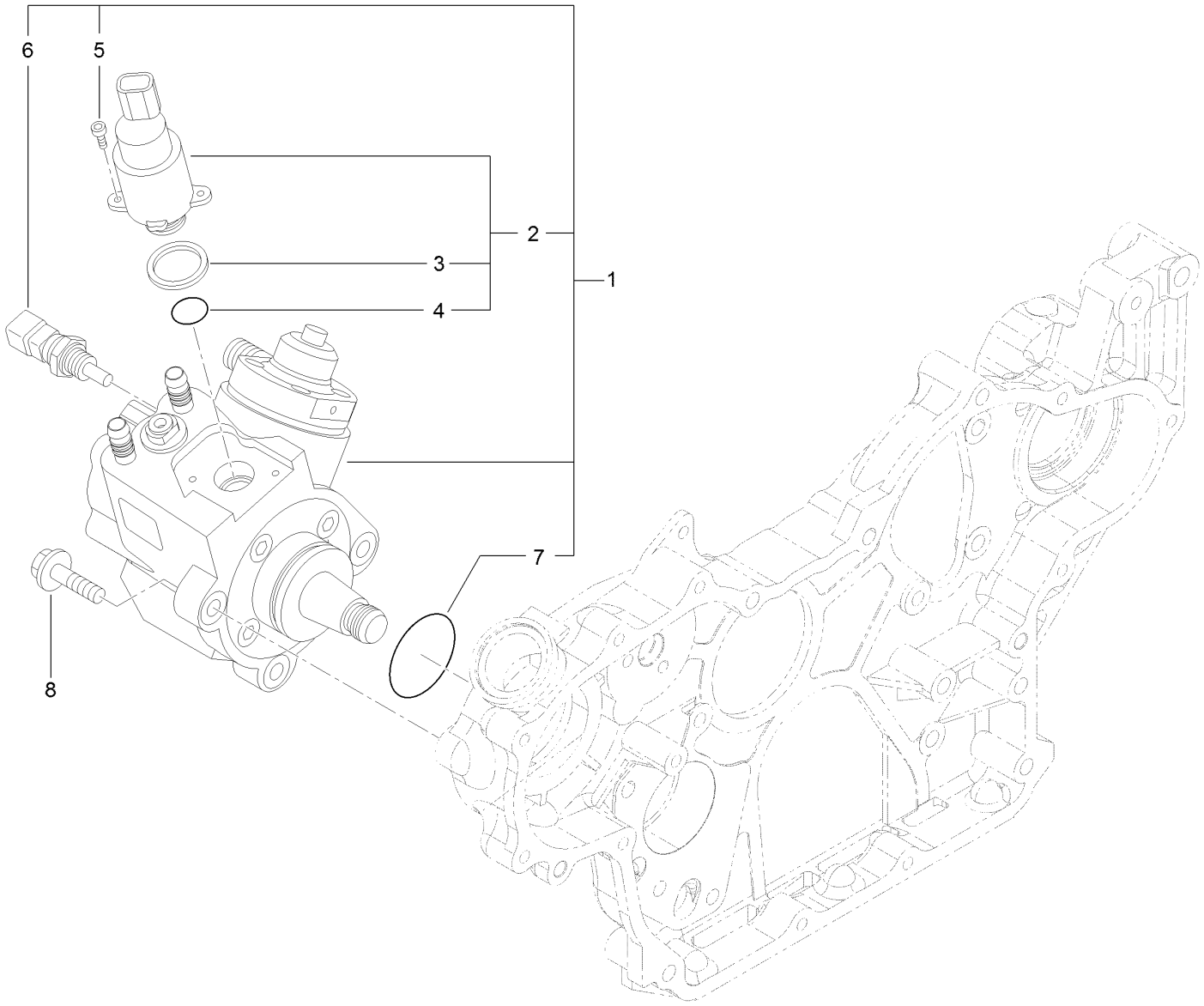
Cooling Water System Assembly



Cooling Water System Assembly (continued)

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

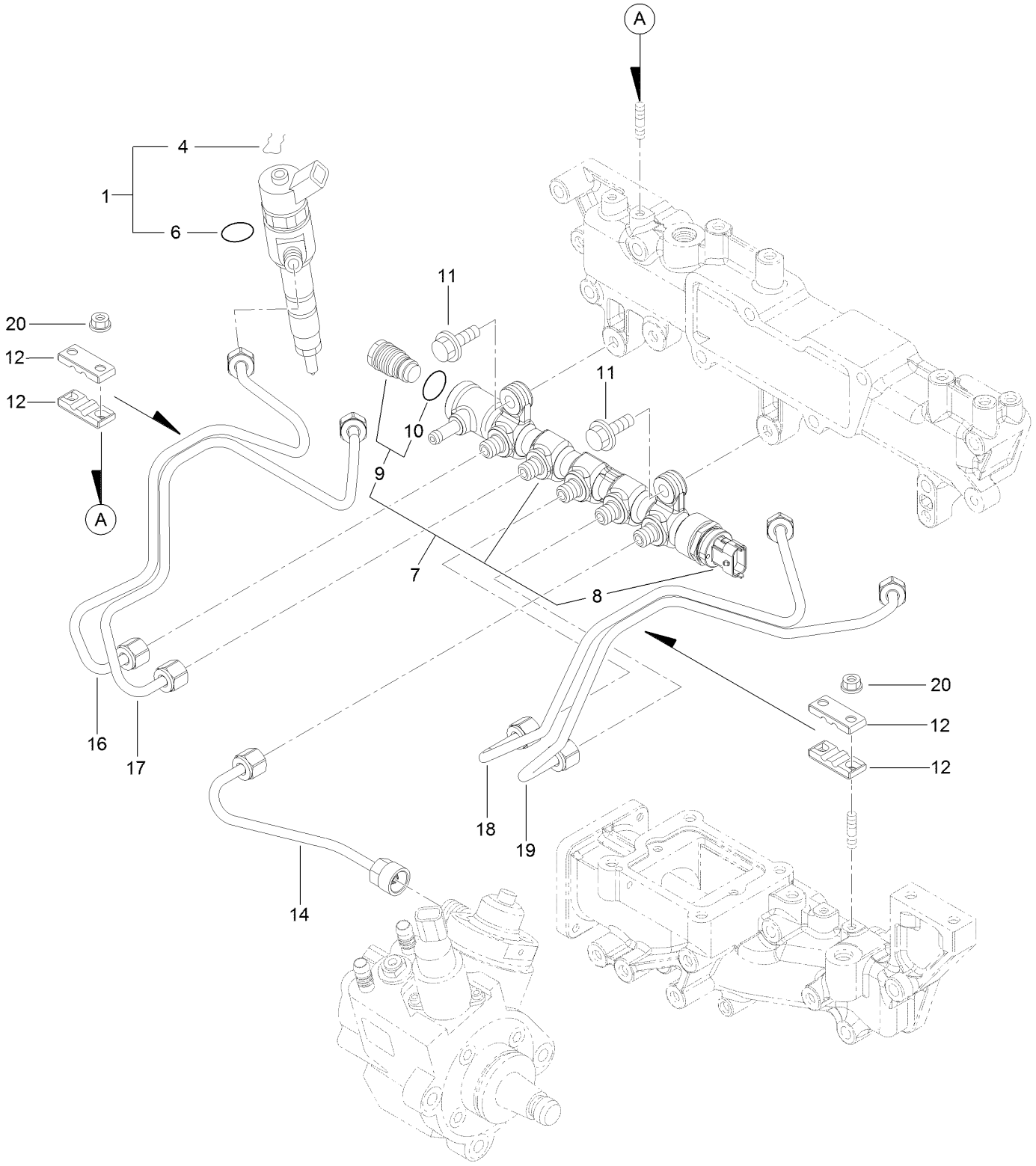
Fuel Supply Pump Assembly



Fuel Supply Pump Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-3073	1	Fuel Pump ASM
2	131-2103	1	Valve ASM
3	131-2105	1	Ring-Sealing
4	131-2106	1	O-Ring
5	131-2107	2	Bolt
6	131-2108	1	Sensor-Temperature
7	127-3074	1	O Ring-Pump, Fuel
8	125-7216	3	Bolt

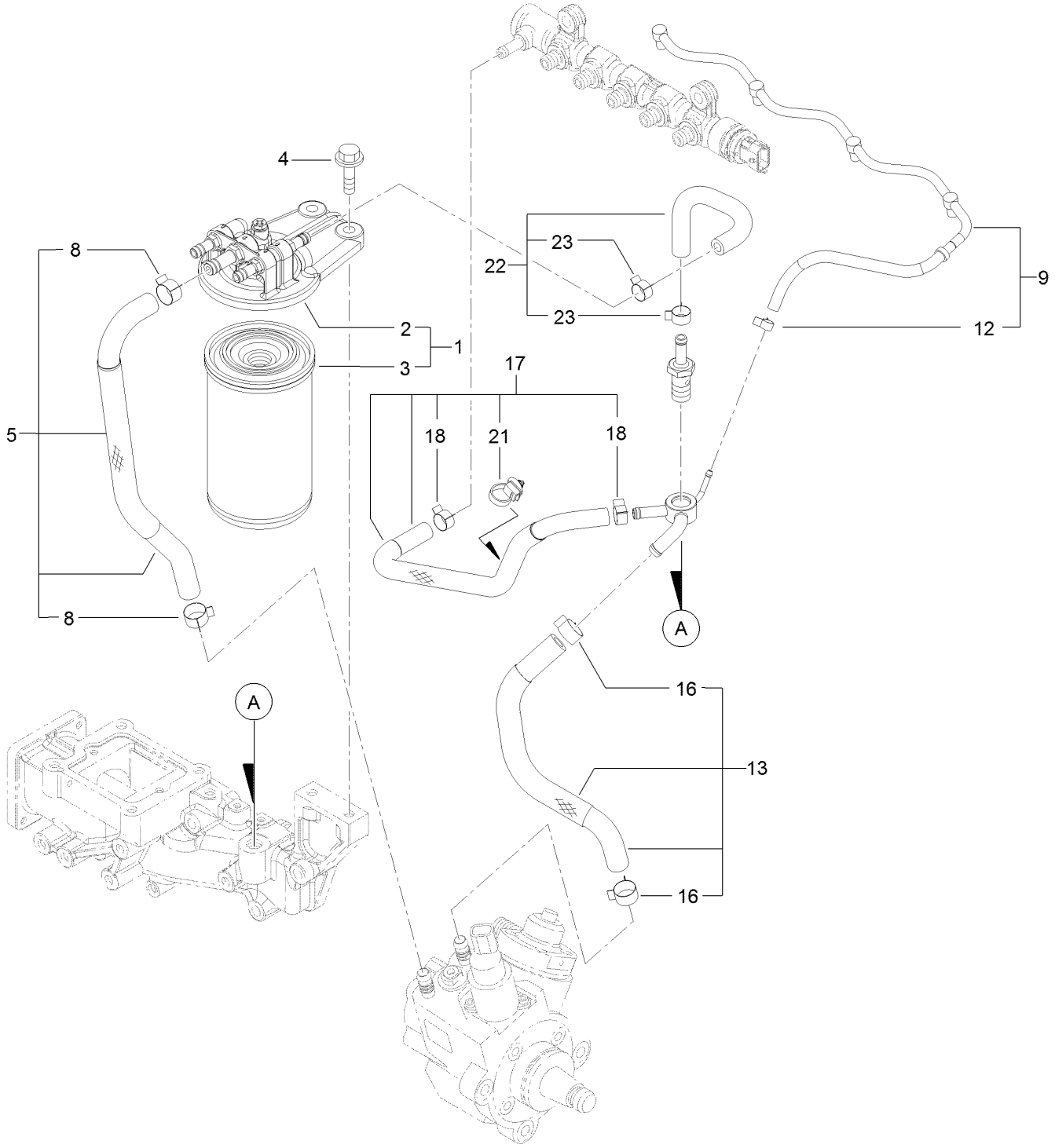
Fuel Injection Valve Assembly



Fuel Injection Valve Assembly (continued)

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

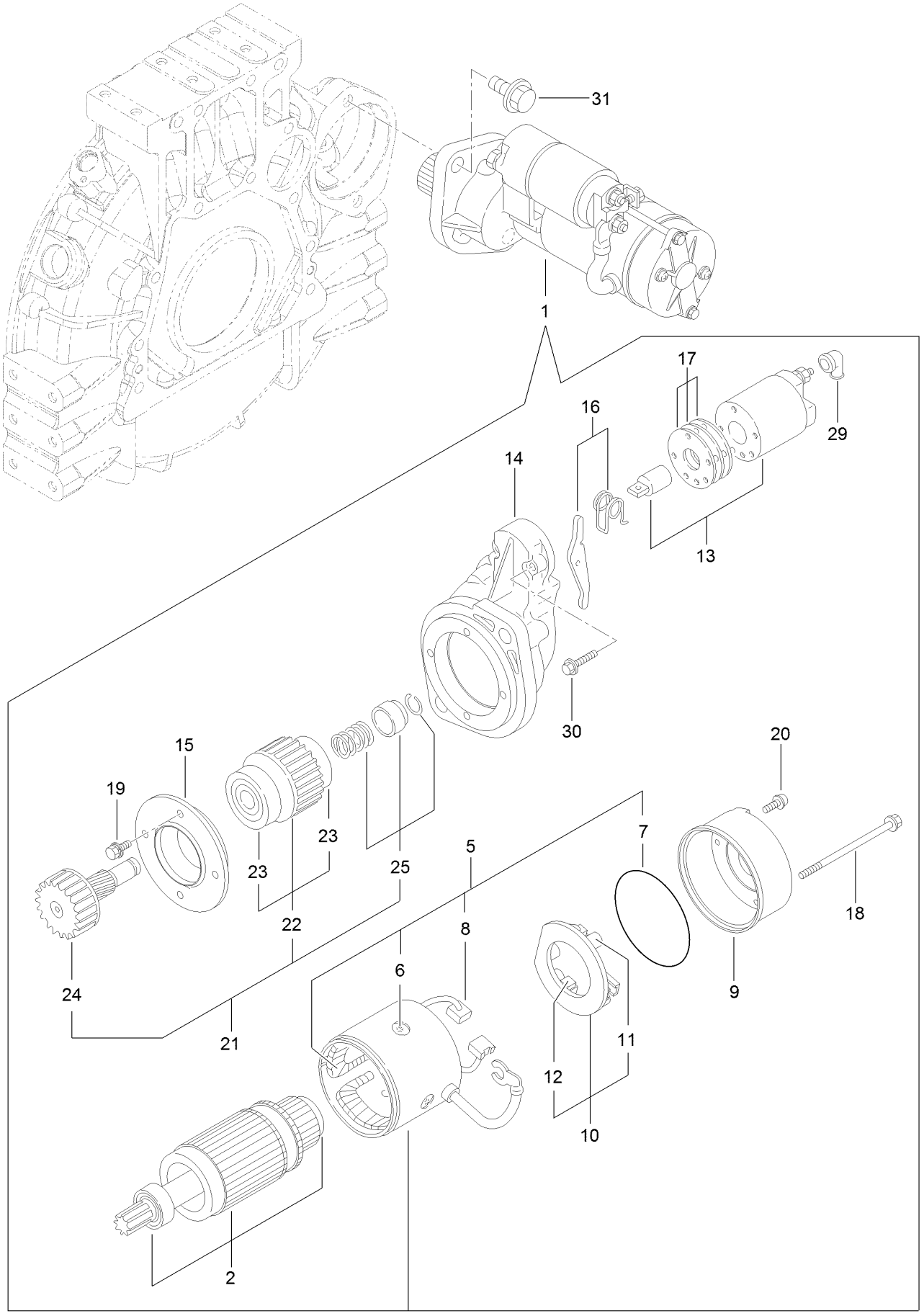
Fuel Pipe Assembly



Fuel Pipe Assembly (continued)

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

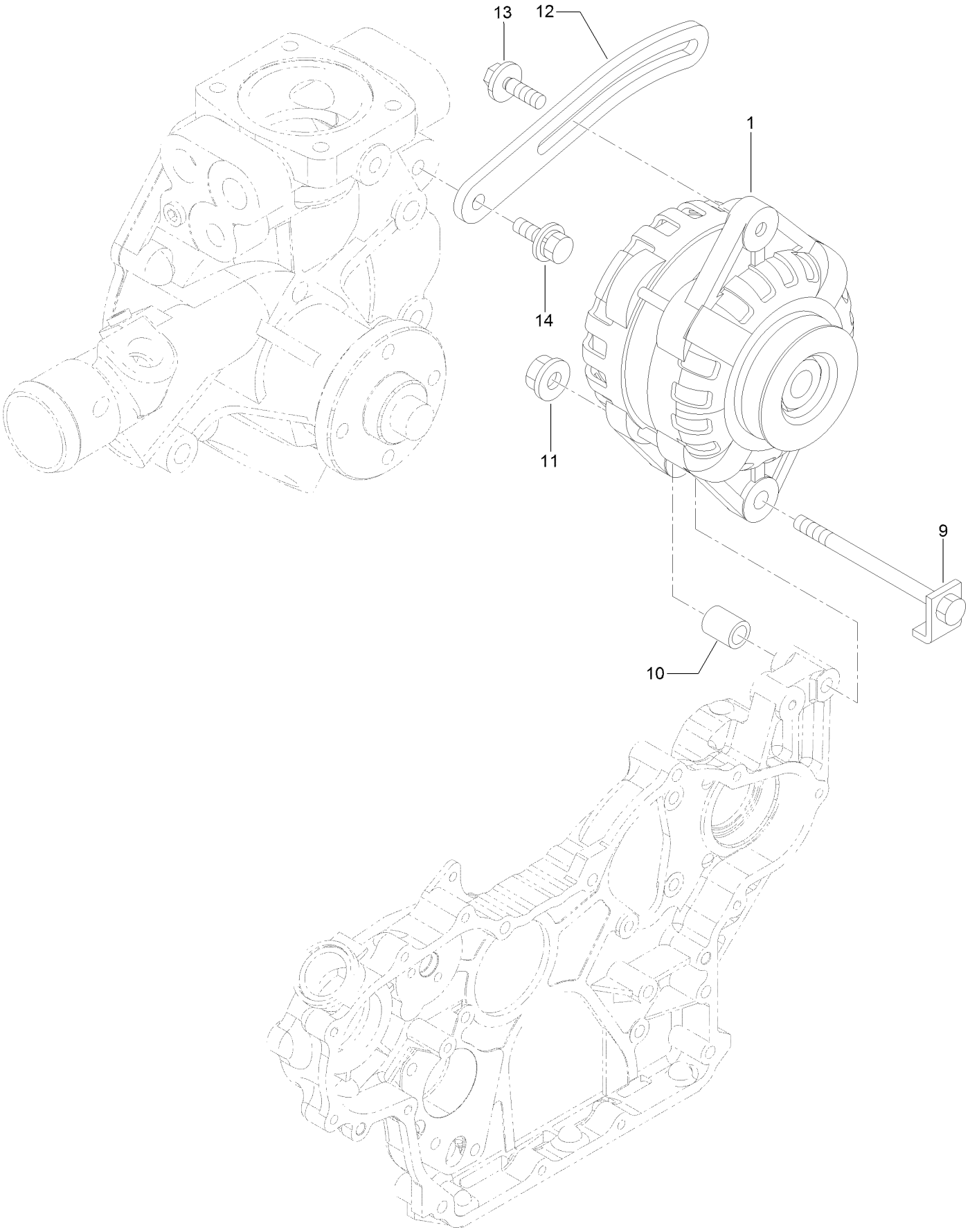
Starter Motor Assembly



Starter Motor Assembly (continued)

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

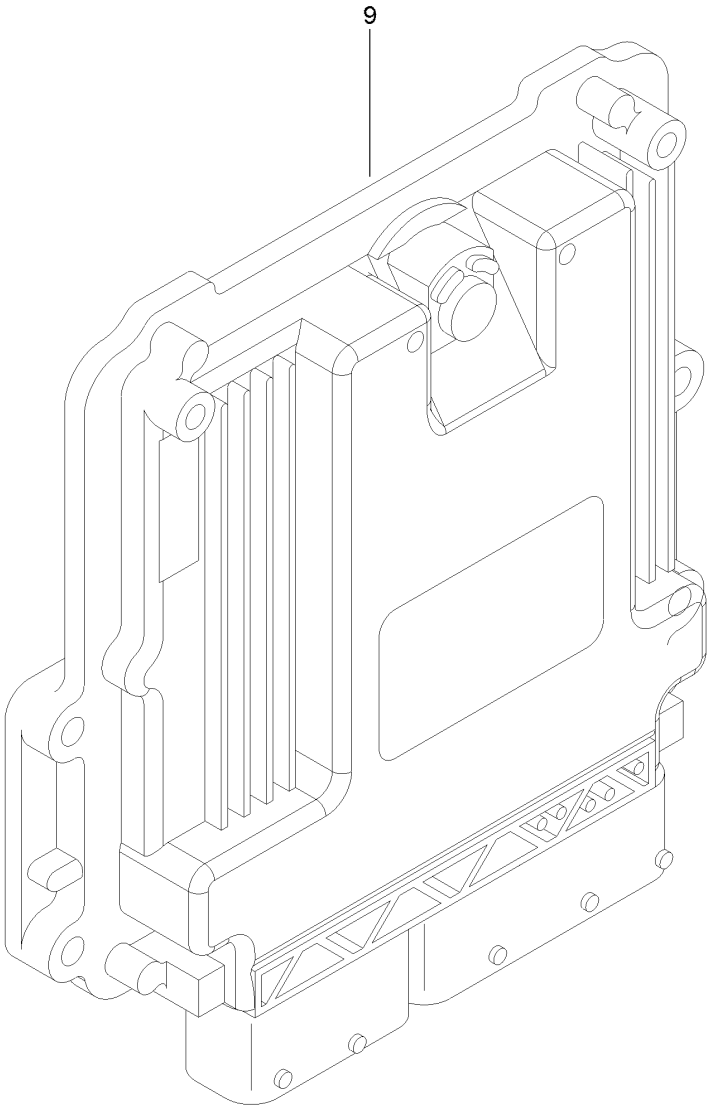
Generator Assembly



Generator Assembly (continued)

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

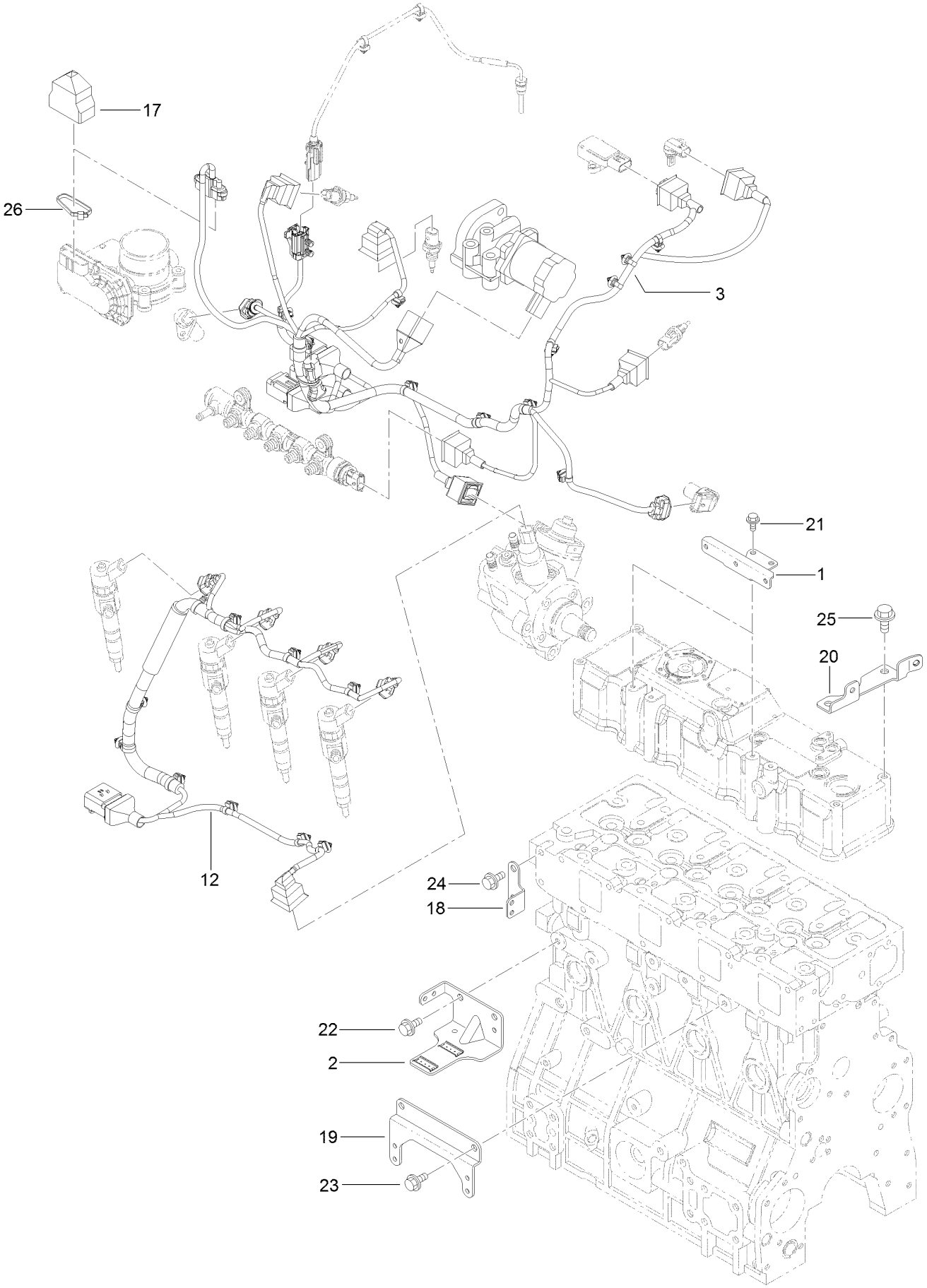
Electronic Control Unit Assembly



Electronic Control Unit Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
9	121-5592	1	Electronic Control Unit

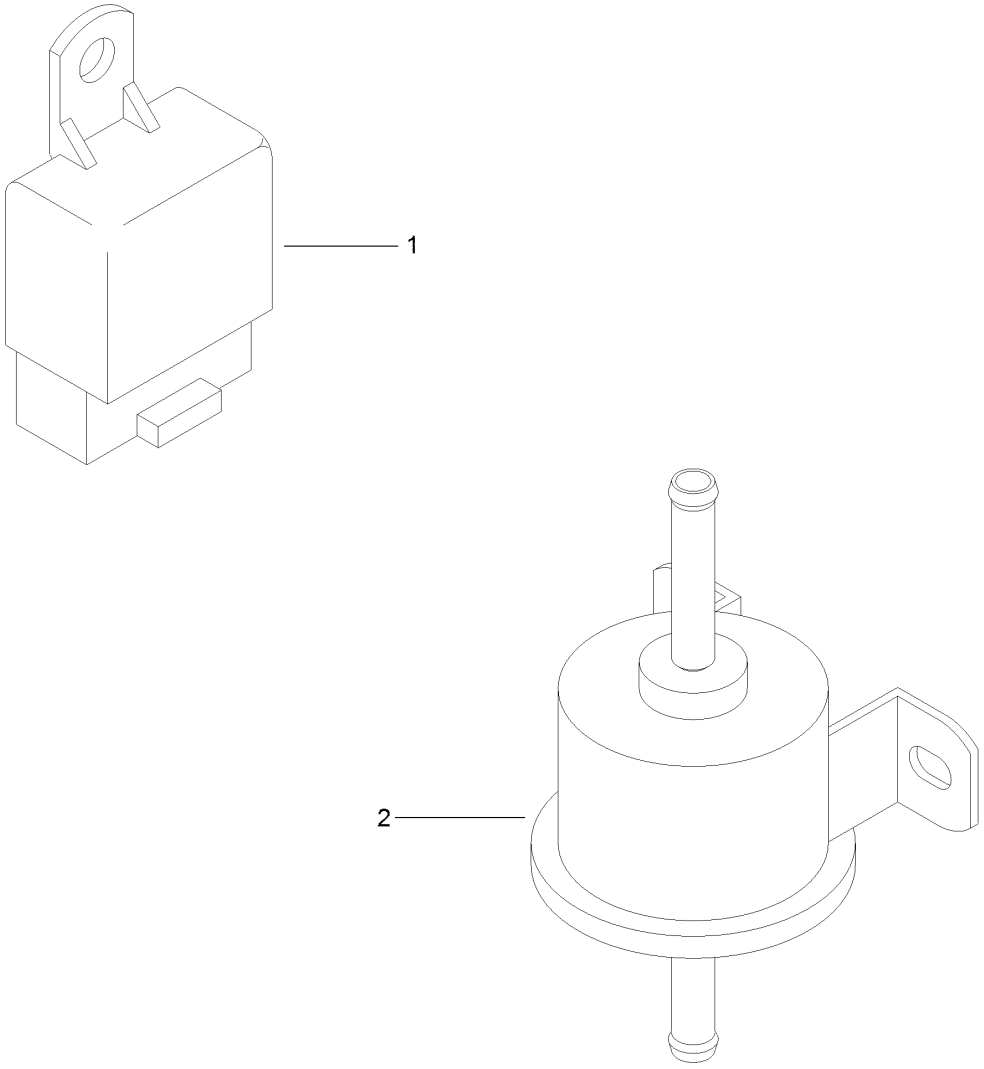
Electric Parts Assembly



Electric Parts Assembly (continued)

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

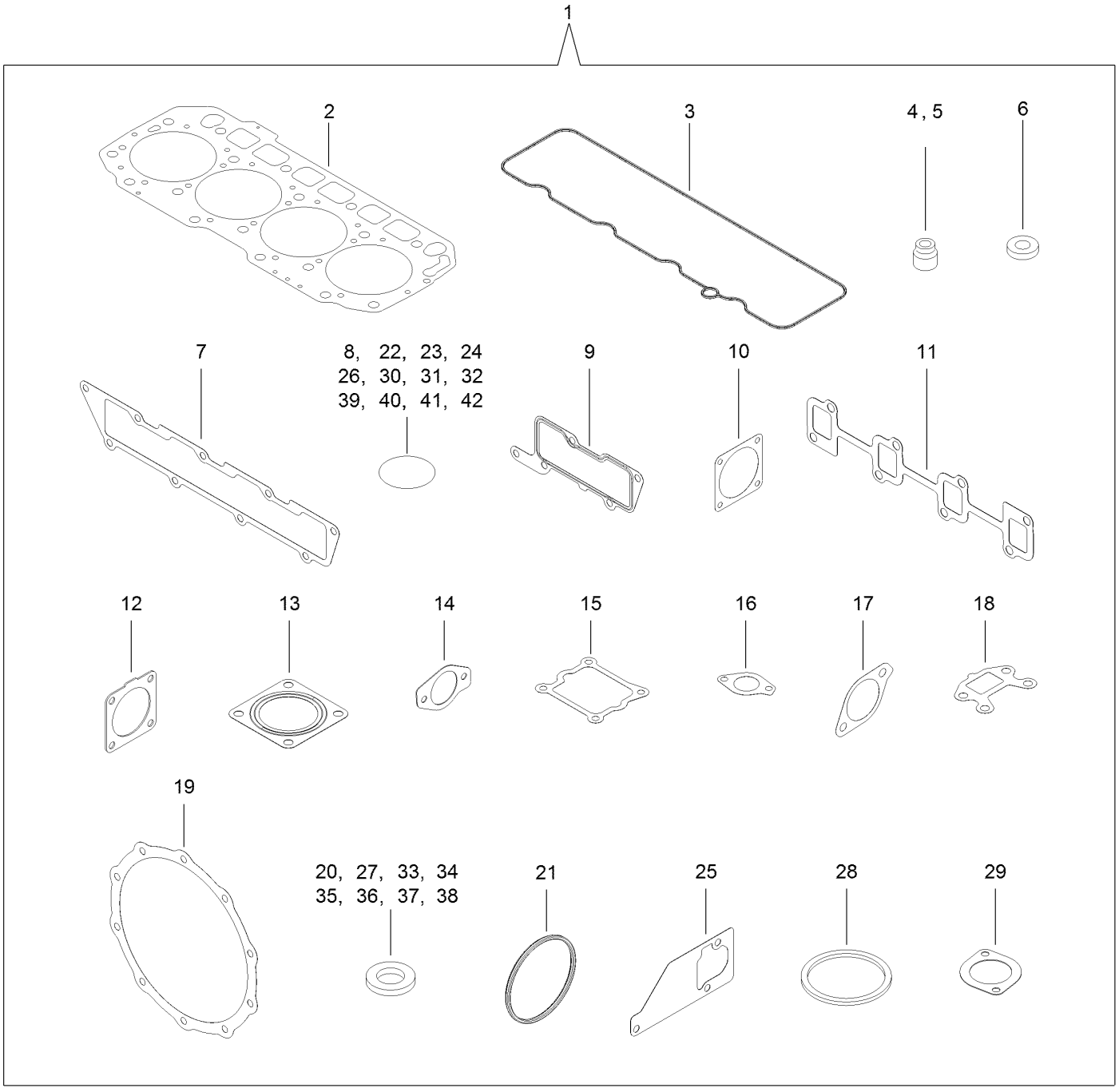
Miscellaneous Engine Parts



Miscellaneous Engine Parts (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	137-5148	1	Relay
2	121-5613	1	Pump-Fuel, Electric

Gasket Set


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39, 40, 41, 42
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Gasket Set (continued)

Ref.	Part Number	Qty.	Description
1	137-5191	1	Gasket Set
2	133-6700	1	Gasket-Head, Cylinder
3	132-4907	1	Gasket-Cover, Head
4	127-2986	4	Seal-Stem, Valve
5	127-3027	4	Seal-Stem, Valve
6	127-3021	4	Gasket-Injector
7	133-6708	1	Gasket-Manifold
8	127-3033	1	O Ring-Sensor, Temp
9	133-6709	1	Gasket-Collector
10	127-3037	2	Gasket-Throttle
11	133-6710	1	Gasket-Manifold
12	127-3019	3	Gasket
13	127-2987	1	Gasket-Silencer
14	133-6698	2	Gasket-Cooler, E G R
15	133-6717	1	Gasket-V Spacer, E G R
16	127-3016	1	Gasket
17	133-6723	1	Gasket-In, E G R-V
18	133-6724	1	Gasket-Out, E G R-V
19	127-3162	2	Gasket-D P F
20	127-3056	4	Gasket-Sensor
21	133-6693	1	Packing-Washer
22	133-6653	2	O-Ring
23	133-6654	1	O-Ring
24	127-2985	1	O-Ring
25	137-5133	1	Gasket-Pump, Water
26	137-5135	2	O-Ring
27	125-6979	2	Gasket
28	133-6614	1	Gasket-Thermostat
29	137-5159	1	Gasket-Cover, Thermostat
30	131-2106	1	O-Ring
31	127-3074	1	O Ring-Pump, Fuel
32	130-7433	1	O-Ring
33	125-7174	8	Washer-Seal
34	125-7176	1	Washer-Seal
35	127-3166	2	Washer-Seal
36	125-7177	1	Washer-Seal
37	125-7192	1	Gasket
38	127-3174	2	Gasket
39	93-0418	3	O-Ring
40	125-7197	3	O-Ring
41	127-3176	1	O-Ring
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
3.5in OD, 2.5in Hex ID Collar	127-4326
3in Sonde Housing	127-4327
2in RAMON Pin, 3in Rotolock Box	127-4328
RAM 3.5in Claw Bit	127-4330
RAM 3.5in Taper Bit	127-4331
RAM 3.5in Button Bit	127-4334
Direct Bore Housing, 2in IF Box, Rotolo	127-4336
Direct Bore 1, 4in, 2in IF Pin	127-4338
6in Clay Reamer	127-4352
8in Clay Reamer	127-4353
4.5in Fluted Reamer	127-4354
6in Fluted Reamer	127-4355
8in Wing Reamer	127-4356
10in Wing Reamer	127-4357
Pulling Eye-12 Ton (2in Reamer)	127-4358
Pulling Eye-12 Ton (2.38in Reamer)	127-4359
Front Coupler, 2in Pin	127-4360
Front Coupler, 2.38in Pin	127-4361
Pullback Swivel (22,000lbs)	127-4362
Water Nozzle - 2 Hole	127-4363
Water Nozzle - 1 Hole	127-4364
Sonde Block Set Subsite 86B/BH	127-4366
Sonde Block Set Subsite (DW 850, BV2)	127-4369
RP for 3in Rock Bit-Hard	127-4371
RP for 3in Rock Bit-General	127-4373
Hex Collar-hard Surface	127-4395
Paddle Bit - 3.5in Sharp Shooter, 3in w/Hole	127-4397
Paddle Bit - 4in Sharp Shooter, 3.5in SH w/Hole	127-4399

Attachments and Accessories (continued)

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Battery Charger Cord Kit - F Series I.N. 127-4634
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DDT12 F Series/SE/Eclipse/LT 12 KHZ 127-4650
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DUC TRAK - 0.3125in End Cap 127-4652
DUC TRAK 12mm Metric End Cap 127-4653
DUC TRAK Pulling Eye End Cap 127-4654
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Battery Pack 3x D-Cell for TT5 127-4660

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RAM 4in Taper Bit 5 Bolt DW SH 130-3362
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Pipe Box 23821E
Dirt Stakes 23840E
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Attachments and Accessories (continued)

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DCI FS Transmitter 12KHZ 15in LR 0.1 Gray 23873
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SE Transmitter 12KHZ, SR, 1.0, Gray 23888
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DCI F2 Falcon 15in Transmitter 23906
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DCI Falcon F5 System w/Aurora 8in and Receiver 23909
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DCI Falcon Compact Display Kit 23914
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DCI Falcon F2 System w/Aurora 10.4in and Receiver 23918
DCI Falcon F2 Receiver 23919
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Count on it.