Form No. 3398-130 Rev A

TORO®

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Parts Catalog

4050 Directional Drill

Model No. 23898—Serial No. 315000001 and Up

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

3398-130 A

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HP: high pressure

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: low pressure

LPG: Liquefied Petroleum Gas

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

TTH: torx truss head

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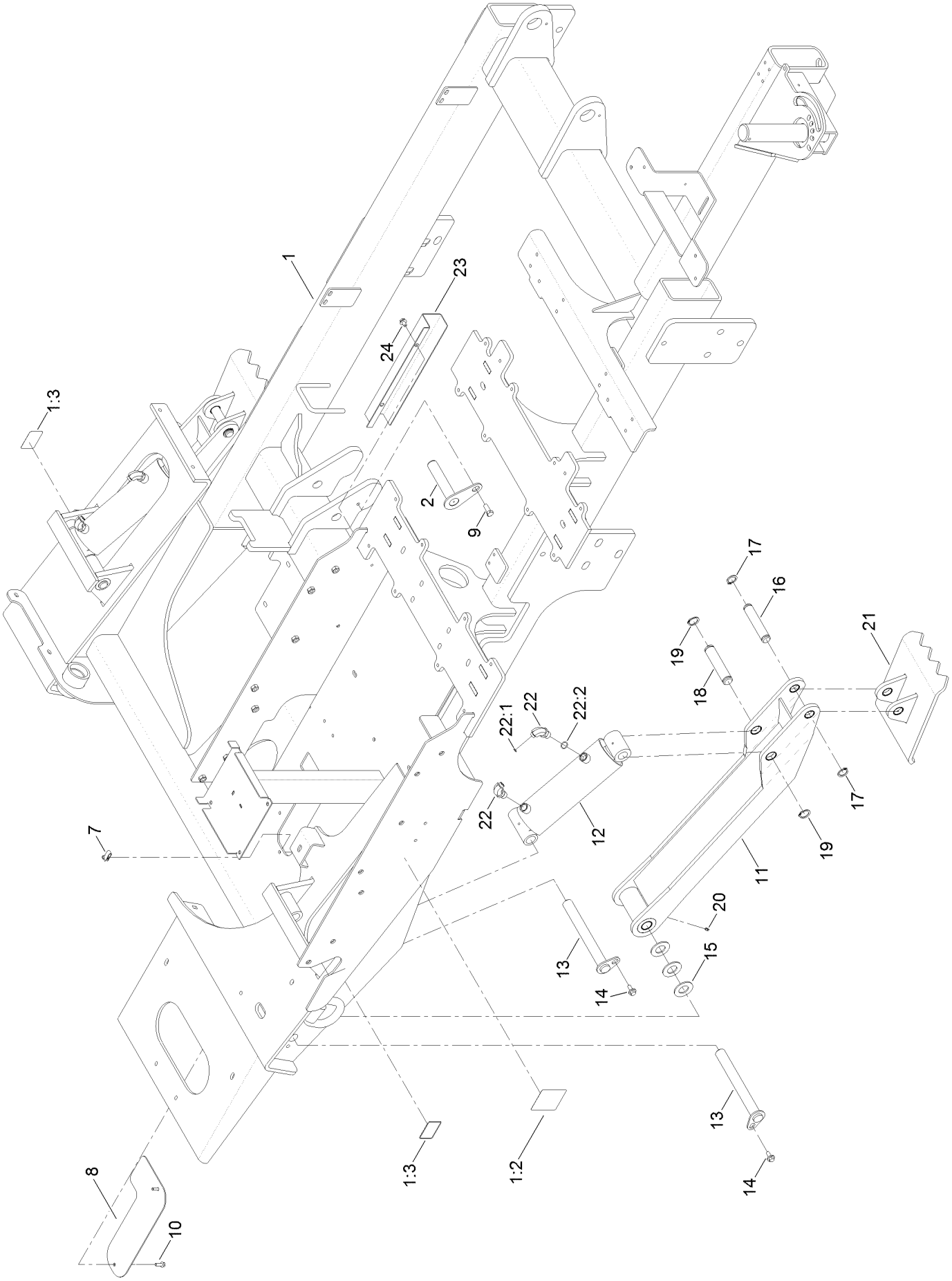
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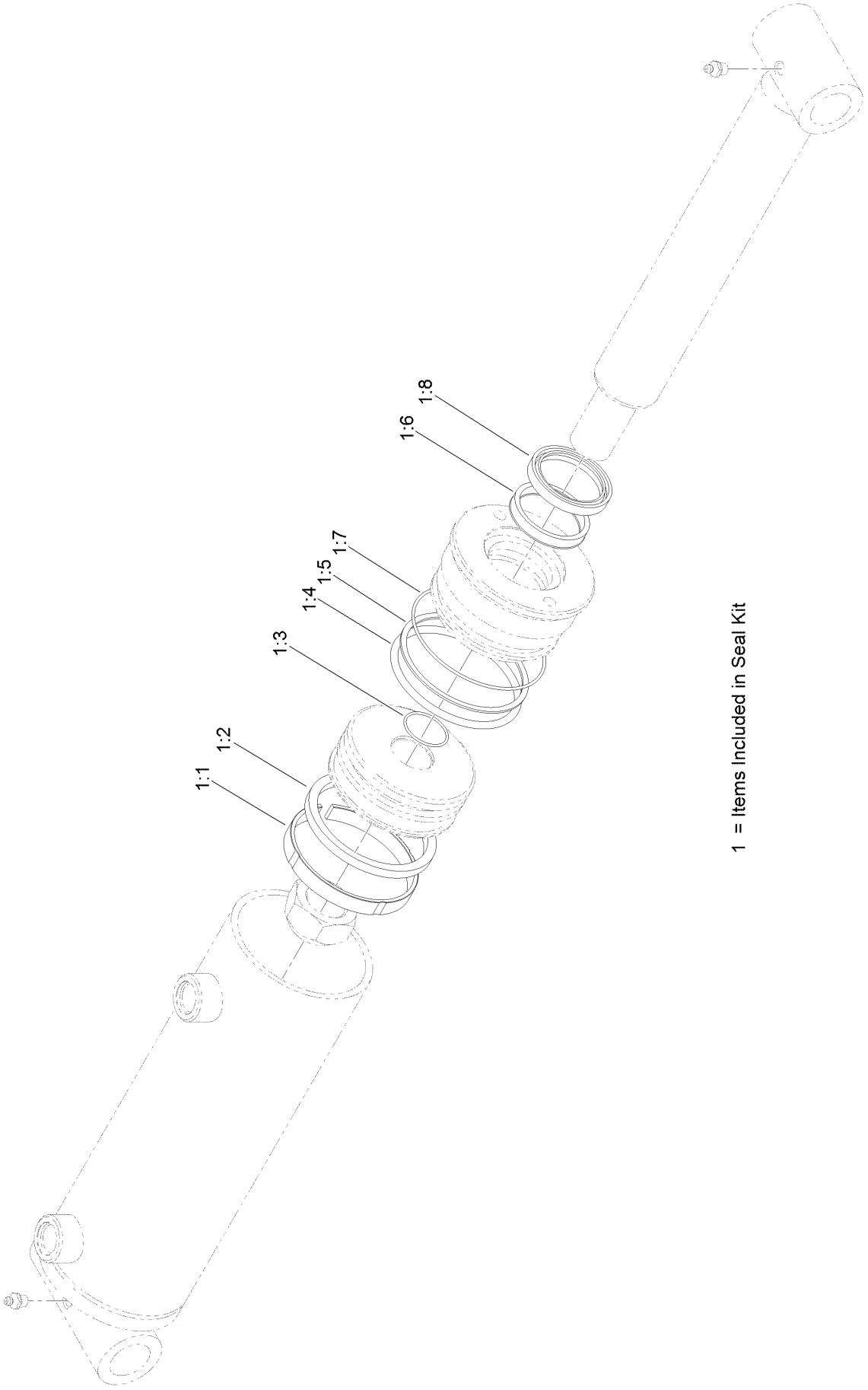
Frame Assembly



Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-0923	1	Frame ASM
1:2	125-6107	1	Decal-Warning, Crushing
1:3	125-6139	2	Decal-Lift/Tie Down
2	AU111271	1	Pin-Dipper Cylinder To Boom
7	AU100862	2	Nut-U
8	AU122040-03	1	Cover-Valve, 5 Section
9	106-0378	1	Screw-HH
10	33104-025	2	Screw-HHF
11	AU116295-03	2	Stabilizer
12	AU116285	2	HYD Cylinder ASM
13	AU116290	4	Pin-W/Flag
14	33106-025	4	Screw-HHF
15	AU496-11131	6	Washer-Hardened
16	AUH434379	2	Pin (Stabilizer Pad End)
17	100-6785	4	Ring-Retaining
18	AUH434380	2	Pin-Stabilizer (Cylinder Rod End)
19	AU103-16125	4	Ring-Retaining
20	302-57	2	Fitting-Grease
21	AU120109-03	2	Foot-Stabilizer
22	340-130	4	Fitting-Elbow, 90
22:1	237-22	1	O-Ring
22:2	237-80	1	O-Ring
23	AU130072-03	1	Plate-Guard, Wire Harness
24	33105-016	2	Screw-HHF

Hydraulic Cylinder Assembly No. AU116285



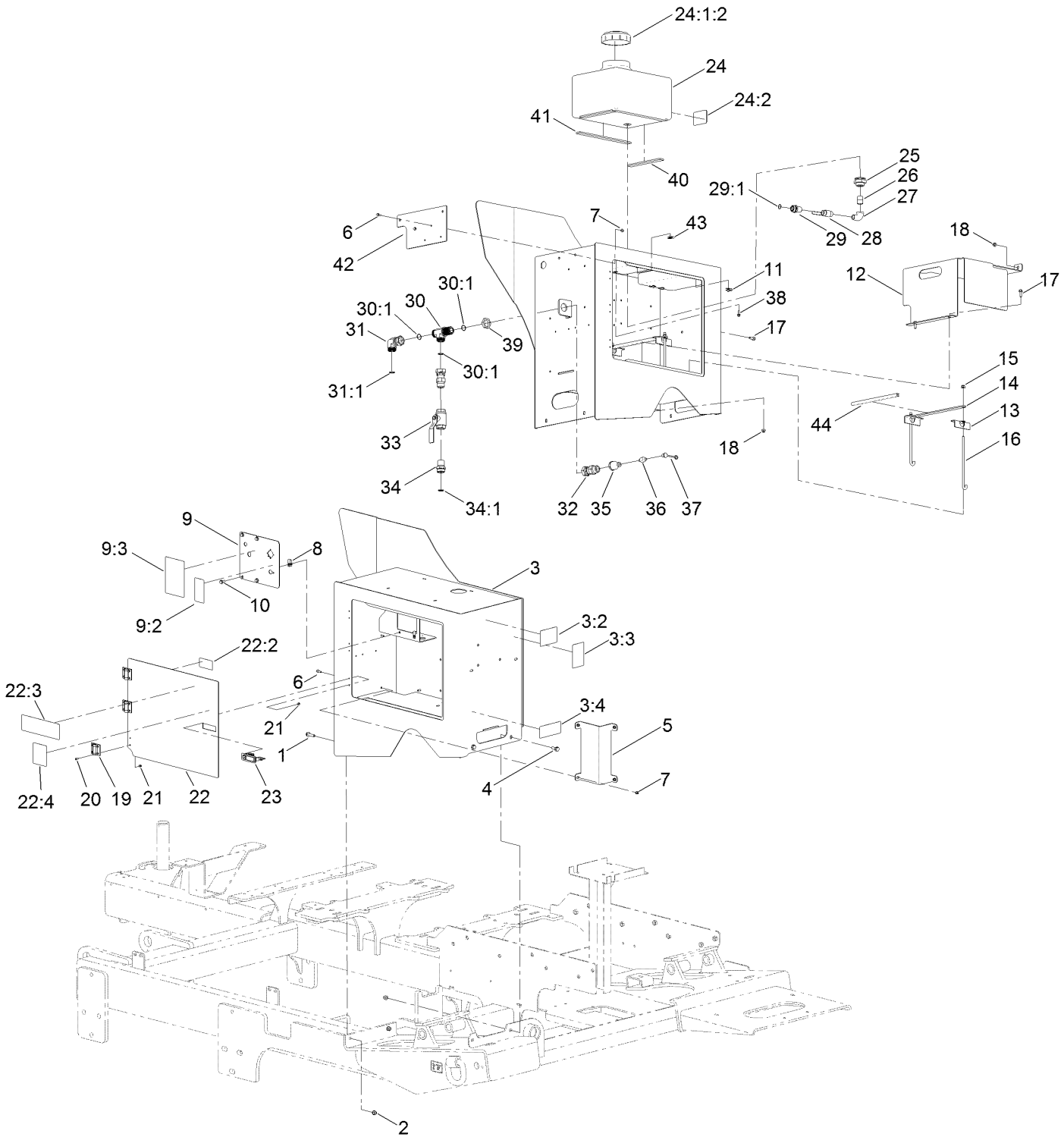
1 = Items Included in Seal Kit

Hydraulic Cylinder Assembly No. AU116285 (continued)

Ref.	Part Number	Qty.	Description
1	AU8HC40017-1	1	Seal Kit
1:1		1	Ring-Bearing ●
1:2		1	Teflon Seal ASM ●
1:3		1	O-Ring ●
1:4		1	O-Ring ●
1:5		1	Washer-Backup ●
1:6		1	Cup-U ●
1:7		1	O-Ring ●
1:8		1	Wiper ●

● Not serviced separately

Control Box Assembly



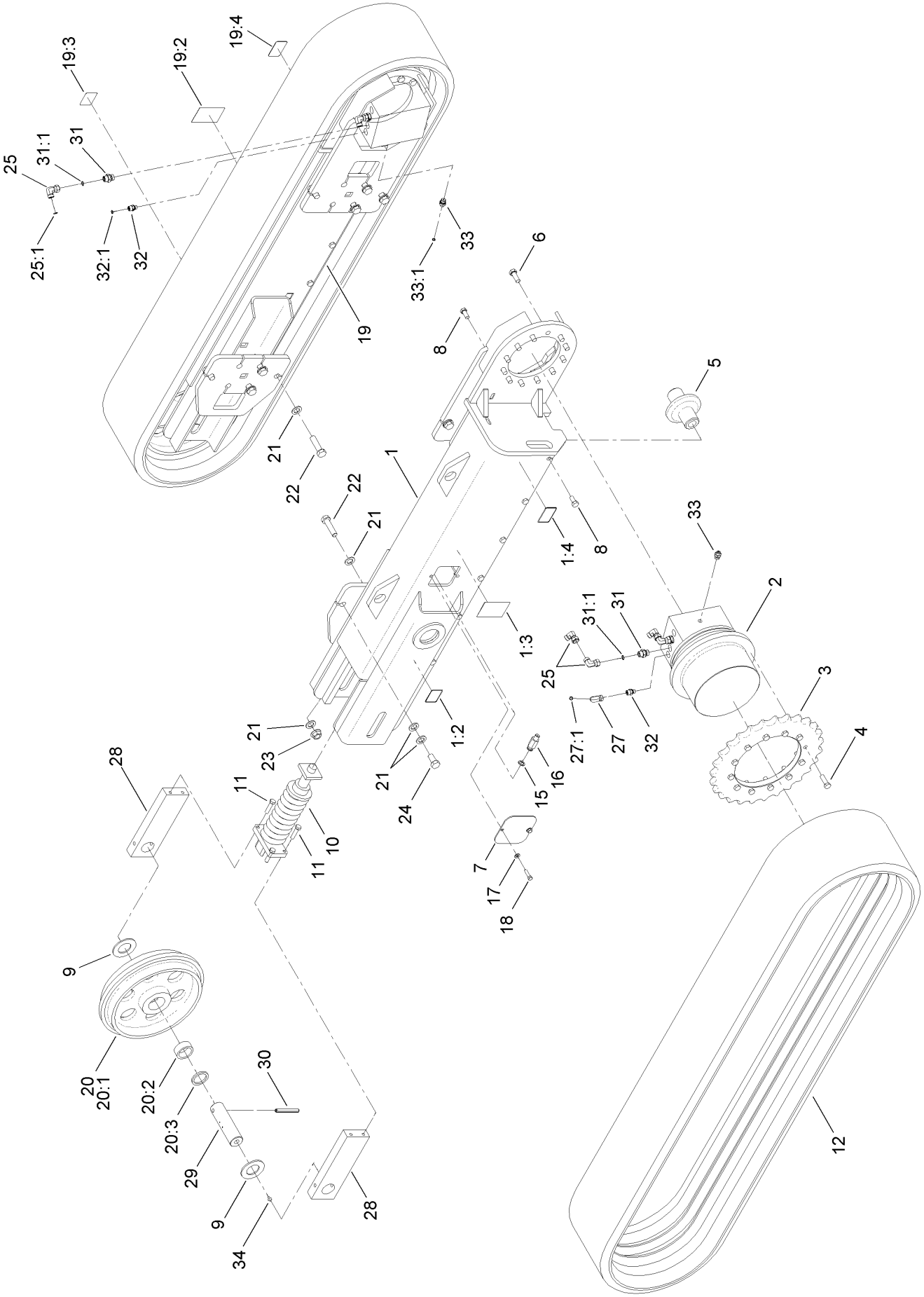
Control Box Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU100331	2	Screw-HHF
2	103-9511	4	Nut-Lock, NI
3	127-0925	1	Control Box ASM
3:2	125-6120	1	Decal-Raise And Lower
3:3	125-6118	1	Decal-Danger, Back Up
3:4	125-6128	1	Decal-Warning, Hydraulic Pressure
4	33105-030	2	Screw-HHF
5	AU117627-03	1	Plate-Corner, Console
6	33103-020	6	Screw-HHF
7	81-0130	6	Nut-Flange, NI
8	AU100862	4	Nut-U
9	130-4527	1	Control Plate ASM
9:2	125-6157	1	Decal-Disconnect, Battery
9:3	125-6141	1	Decal-Rear Controls Overlay
10	33104-020	4	Screw-HHF
11	AU100861	3	Nut-U
12	AU117625-03	1	Plate-Cover
13	AUD125079	4	Angle-Holddown, Battery
14	AU117616-03	2	Plate-Hold Down, Battery
15	104-8301	4	Nut-Flange, NI
16	AUH436311	4	Bolt-Holddown, Battery
17	33104-025	4	Screw-HHF
18	104-3082	4	Nut-Lock, HHF
19	AU123695	3	Hinge
20	1-803071	12	Screw
21	120-4578	12	Nut-HF
22	127-0924	1	Door ASM
22:2	125-8473	1	Decal-Warning, Battery
22:3	125-6113	1	Decal-Safety
22:4	125-6117	1	Decal-Danger, No Riders (Rear)
23	AU50GB2302	1	Latch-Trigger, Raised (W/Lock)
23:1	131-0148	1	Key-Replacement ●
24	127-0927	1	Antifreeze Tank ASM
24:1		1	Tank ●■
24:1:2	127-0877	1	Lid-Tank
24:2	125-6137	1	Decal-Antifreeze
25	AU20MC8508	1	Fitting-Tank, Bulkhead (Plastic)
26	AU221-1211	1	Nipple-Straight
27	AU221-1415	1	Elbow-Street, 90 DEG
28	AU8HV21012	1	Valve-Ball
29	AU8OA11212	1	Fitting-Straight
29:1	237-58	1	O-Ring
30	92-7550	1	Fitting-Tee, Bulkhead
30:1	340-65	3	O-Ring
31	92-7645	1	Fitting-Swivel, 90 DEG
31:1	340-65	1	O-Ring
32	AU8OA65016	2	Fitting-Straight
33	AU8HV22016	1	Valve-Ball
34	AU8OA11616	1	Fitting-Straight
34:1	340-65	1	O-Ring
35	AU8PC11604	1	Fitting-Reducer
36	AU8QD55204	1	Nipple-Quick Disconnect
37	130-4503	1	Cap-Dust
38	3234-4	4	Screw-HHF
39	340-128	1	Nut-Bulkhead
40	127-0975	2	Strip-Seal
41	127-0974	2	Strip-Seal
42	130-4451-03	1	Plate-Lockout, Cylinder
43	AU108120	2	Nut-U
44	127-1293	2	Trim-Battery

● Not illustrated

■ Not serviced separately

Track Assembly

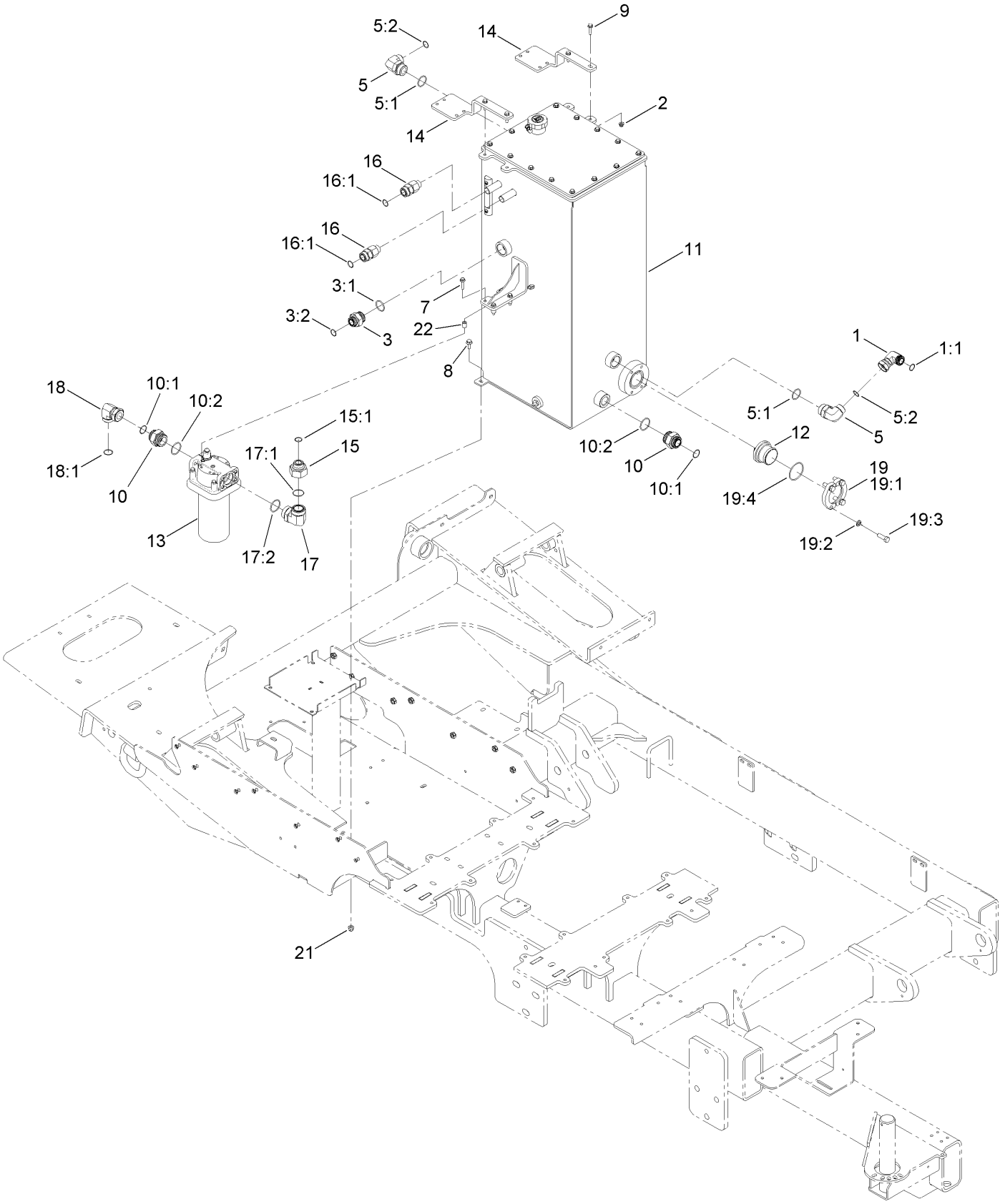


Track Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-0929	1	RH Track Pod ASM
1:2	125-6694	1	Decal-Tie Down
1:3	125-6108	1	Decal-Warning, Thrown Objects
1:4	125-6139	1	Decal-Lift/Tie Down
2	AU8GB85017	2	Planetary Gearbox ASM
3	AU30DD2424-03	2	Sprocket-Track Drive, 27T
4	AU814-14045	24	Screw-HH
5	AU30DD2434	12	Roller-Track
6	AU814-16040	24	Screw-HH
7	AU32GB2413-03	2	Cover-Access Hole
8	AU814-14030	24	Screw-HH
9	AU8CF90032	4	Bearing-Thrust
10	AU32GB2412	2	Tensioner-Track
10:1	AU109951	1	Seal-U ●
10:2	AU109952	1	Seal-Wiper ●
11	AU426-832	8	Bolt
12	AU32GB2414	2	Track-Rubber
15	AU30-807L-1059	2	Seal-O Ring
16	AU30-807L-1060	2	Valve-Grease
17	3256-24	4	Washer-Flat
18	323-43	4	Screw-HH
19	127-0928	1	LH Track Pod ASM
19:2	125-6108	1	Decal-Warning, Thrown Objects
19:3	125-6694	1	Decal-Tie Down
19:4	125-6139	1	Decal-Lift/Tie Down
20	127-0960	2	Idler ASM
20:1	AU32GB2410-03	1	Sprocket-Idler
20:2	AUH748111	2	Bearing
20:3	AU8HS11032	2	Seal-Shaft
21	103-0357	32	Washer
22	328-25	12	Screw-HH
23	32128-45	12	Nut-HHF
24	AU426-1224	4	Bolt
25	94-6031	6	Fitting-HYD
25:1	237-30	1	O-Ring
27	340-159	1	Fitting-HYD, 90 DEG
27:1	237-22	2	O-Ring
28	AU32GB2408-03	4	Slider-Tensioner, Track Drive
29	AU32GB2409	2	Pin-Axle
30	AU8CP31631	2	Pin-Slotted, Spring
31	127-3875	4	Fitting-Straight
31:1	237-30	1	O-Ring
32	127-3874	2	Fitting-Straight
32:1	237-22	1	O-Ring
33	127-3873	2	Fitting-Straight
33:1	237-21	1	O-Ring
34	302-2	2	Fitting-Grease

● Not illustrated

Hydraulic Fuel Tank and Fitting Assembly



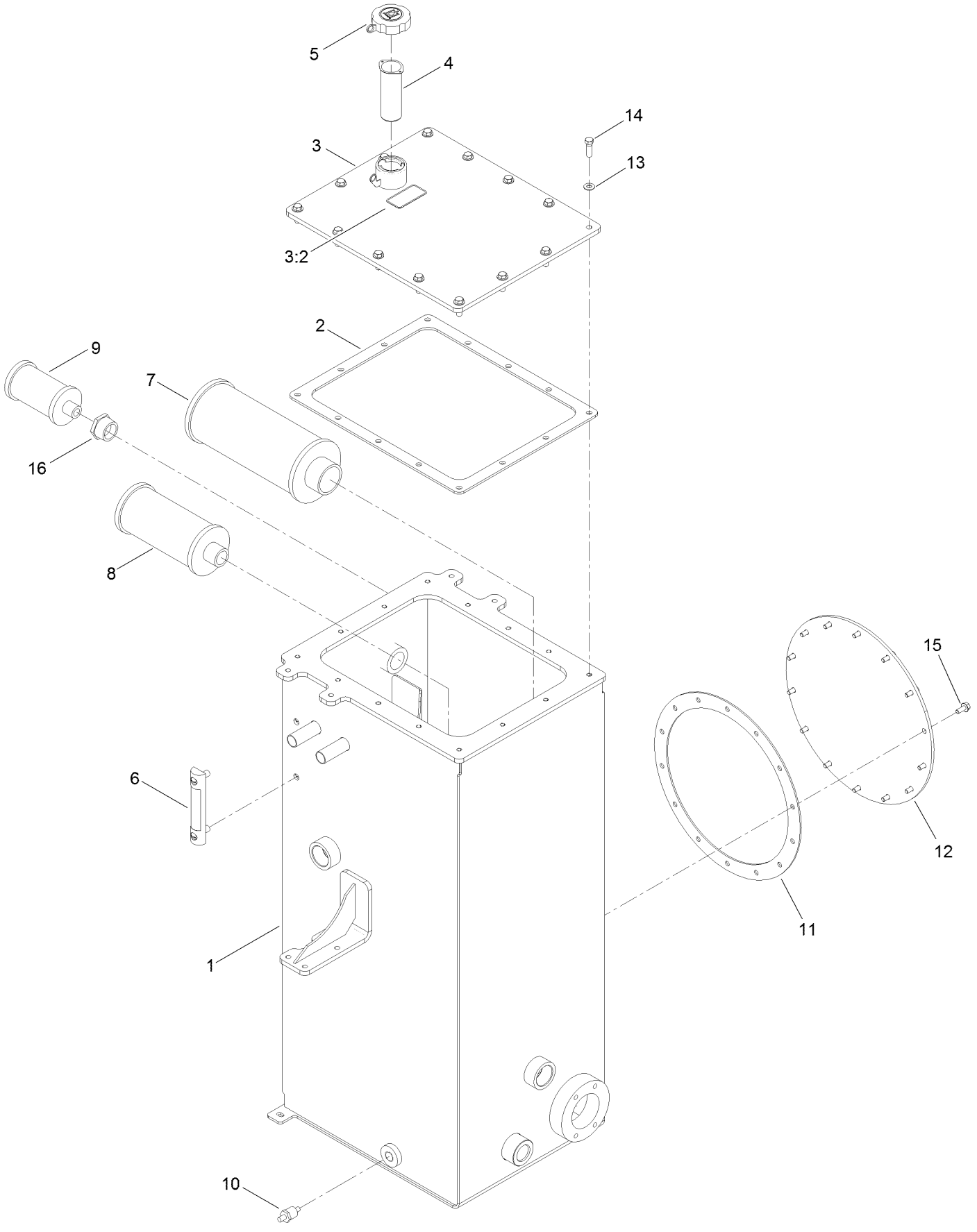
Hydraulic Fuel Tank and Fitting Assembly (continued)

Ref.	Part Number	Qty.	Description
1	92-7645	1	Fitting-Swivel, 90 DEG
1:1	340-65	1	O-Ring
2	104-3082	4	Nut-Lock, HHF
3	340-80	1	Fitting-Straight
3:1	237-101	1	O-Ring
3:2	340-65	1	O-Ring
5	340-79	2	Adapter
5:1	237-101	1	O-Ring
5:2	340-65	1	O-Ring
7	112-9318	4	Screw-HHF, Locking
8	33105-025	3	Screw-HHF
9	33104-035	4	Screw-HHF
10	AU8OA32024	2	Fitting-Straight
10:1	340-64	1	O-Ring
10:2	340-136	1	O-Ring
11	AU116143	1	HYD Tank ASM
12	AU117686	1	Insert
13	AU118533	1	Filter-HYD, Return
13:1	133-6227	1	Seal Kit ●
13:2	133-6228	1	Indicator ●
13:3	133-6229	1	Filter Element ●
14	AU123439-03	2	Mount-Plate
15	AU8OA81624	1	Fitting-Reducer
15:1	340-65	1	O-Ring
16	AU8OAB1616	2	Fitting-Straight
16:1	340-65	1	O-Ring
17	AU8OL32424	1	Fitting-Elbow, 90
17:1	340-63	1	O Ring
17:2	340-136	1	O-Ring
18	AU8OL82020	1	Fitting-Elbow, 90
18:1	340-64	1	O-Ring
19	AU91-FF593-40	1	Split Flange Kit
19:1		2	Flange ■
19:2	3253-7	4	Washer-Lock
19:3	121-1524	4	Screw-HH
19:4	127-0980	1	O-Ring
21	103-9511	3	Nut-Lock, NI
22	115-1451	4	Spacer-Wheel

● Not illustrated

■ Not serviced separately

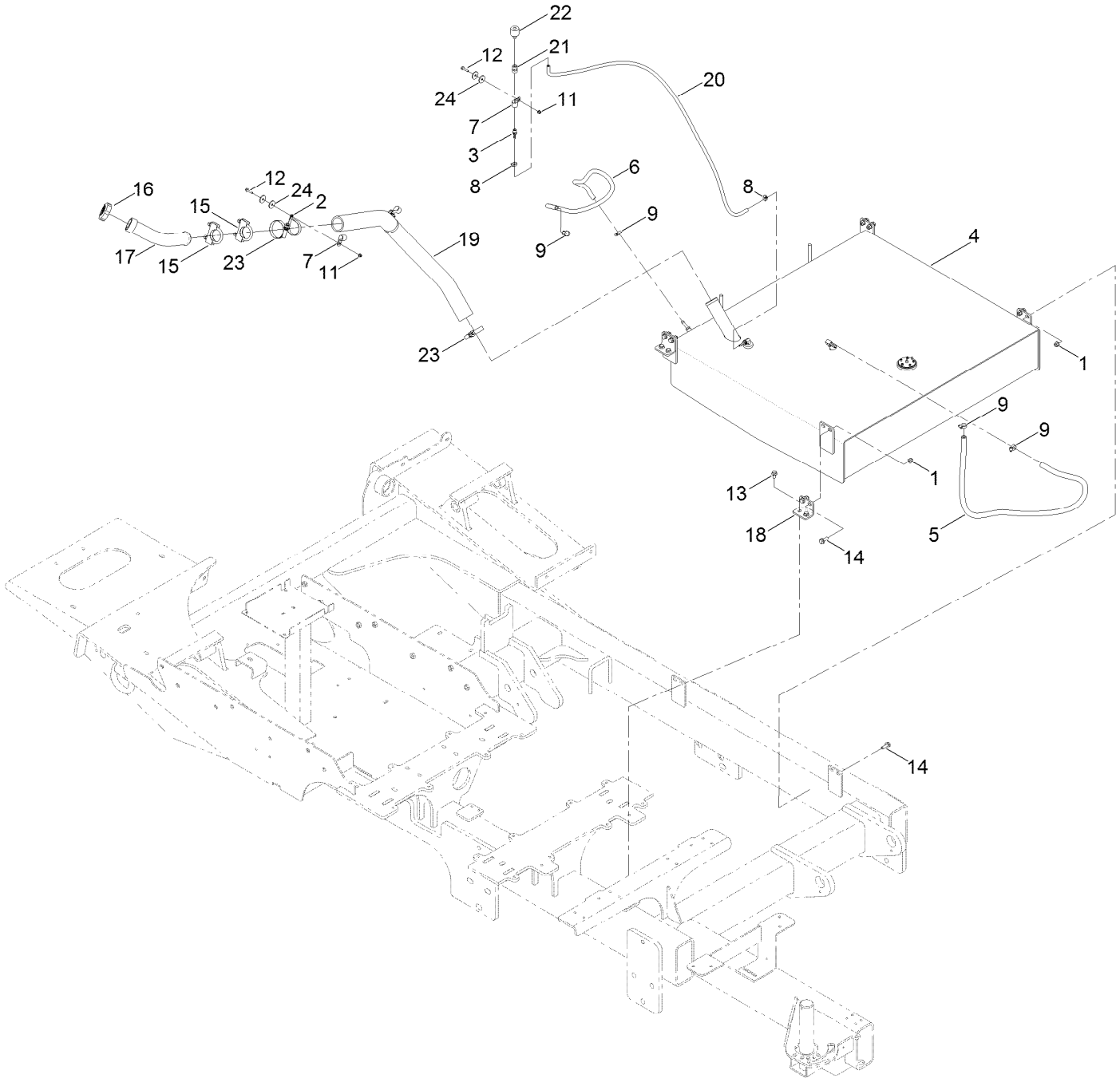
Hydraulic Tank Assembly No. AU116143



Hydraulic Tank Assembly No. AU116143 (continued)

Ref.	Part Number	Qty.	Description
1	AU116595	1	Tank-HYD
2	AU117202	1	Gasket-Cover
3	127-0930	1	HYD Tank Cover ASM
3:2	125-8483	1	Decal-HYD Fluid
4	AU101238	1	Filter-Screen, Mesh
5	AU105820	1	Cap-HYD Fluid (W/ Lock)
6	AUL116247	1	Gauge-Sight
7	AU116600	1	Strainer-Nipple
8	AU116599	1	Strainer-Suction
9	AU116598	1	Strainer-Nipple
10	AU30-460-8006	1	Sender-Temperature, Water
11	AU122311	1	Gasket-HYD, Tank
12	AU122304-03	1	Cover-HYD, Tank
13	48-9220	14	Washer
14	323-7	14	Screw-HH
15	33104-020	14	Screw-HHF
16	AU221-70	1	Fitting-Reducer

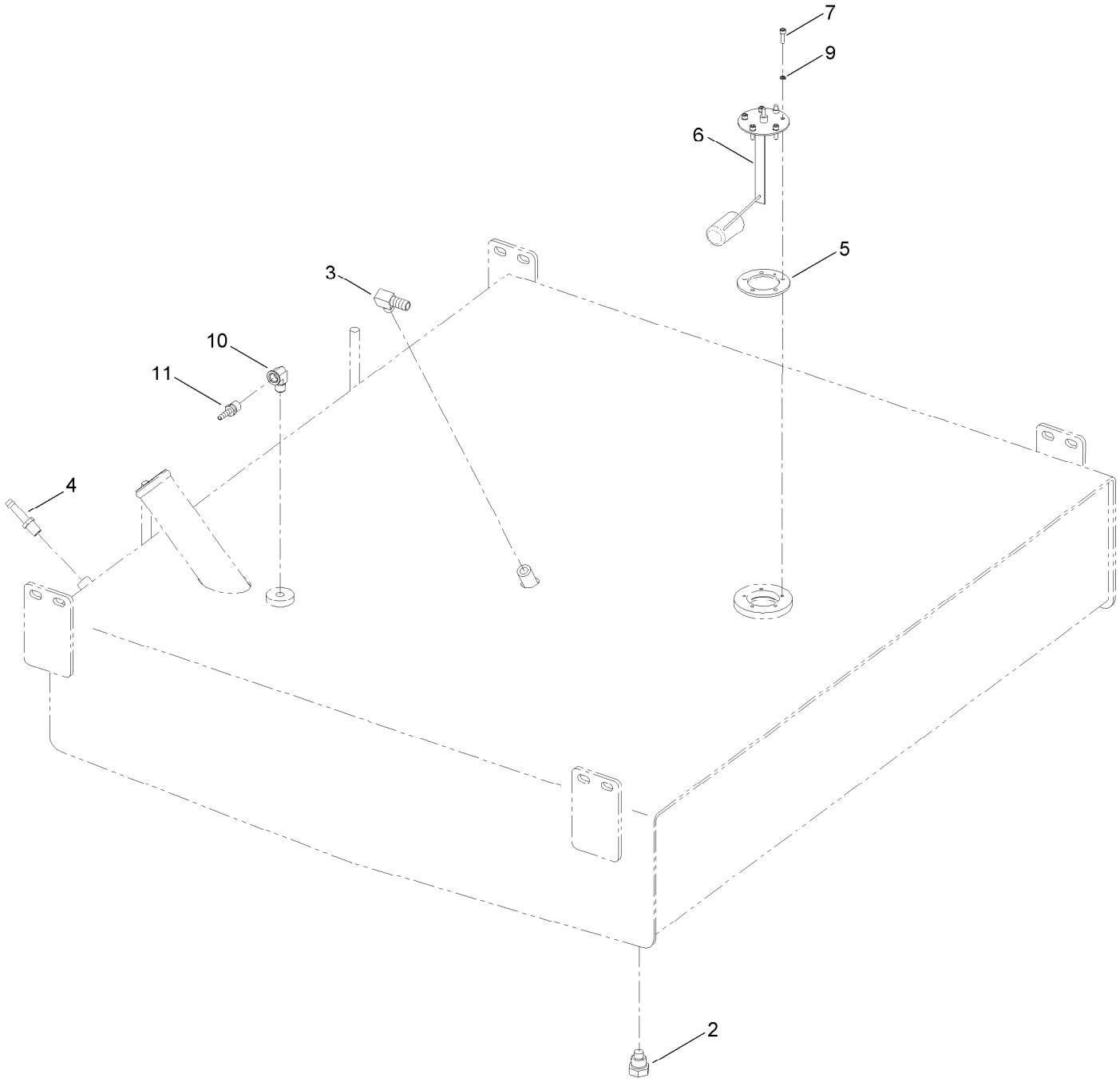
Fuel Tank and Hose Assembly



Fuel Tank and Hose Assembly (continued)

Ref.	Part Number	Qty.	Description
1	103-9511	8	Nut-Lock, NI
2	107-1865	2	R-Clamp
3	115-1447	1	Fitting-Straight
4	121-7535	1	Fuel Tank ASM
5	127-0945	1	Hose-Fuel
6	127-0946	1	Hose-Fuel
7	2412-4	3	Clamp
8	2412-108	2	Clamp-Worm
9	2412-36	4	Clamp-Hose
11	81-0130	3	Nut-Flange, NI
12	33103-030	3	Screw-HHF
13	33105-020	4	Screw-HHF
14	33105-030	8	Screw-HHF
15	AU111838	2	Bolt-U, Clamp
16	AU117630	1	Cap-Fuel (W/Lock)
17	AU118832-03	1	Neck-Filler - Fuel
18	AU119508-03	2	Plate-Mounting, Tank
19	AU124968	1	Hose-Fuel, Tank Fill
20	107-9298	1	Hose-Fuel
21	AU217-1101	1	Coupling-Pipe (NPTF)
22	AU31543	1	Breather
23	104-9240	2	Clamp-Hose
24	105-3048	6	Washer-Flat

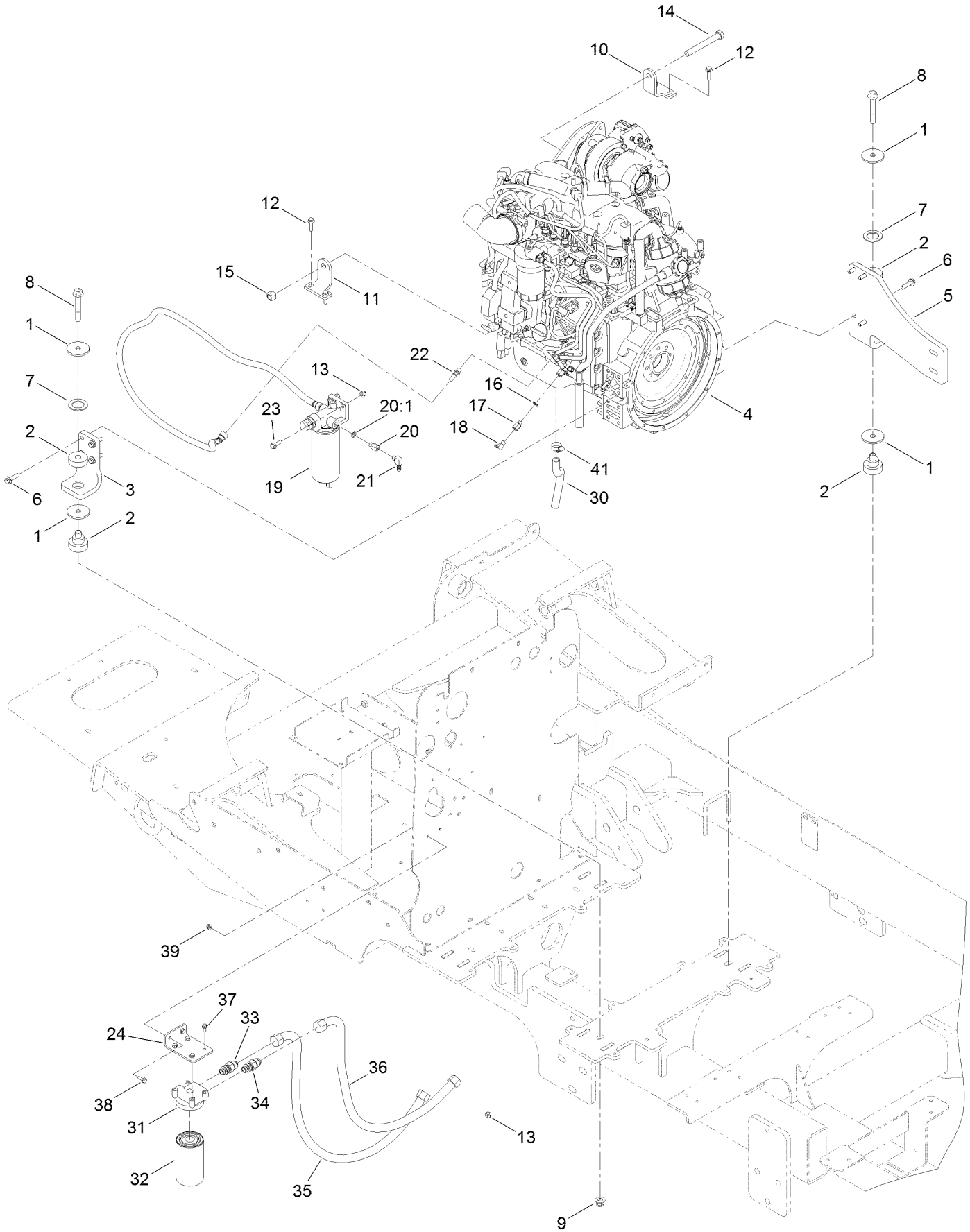
Fuel Tank Assembly No. 121-7535



Fuel Tank Assembly No. 121-7535 (continued)

Ref.	Part Number	Qty.	Description
2	AU119908	1	Plug-Hex, Magnetic
3	127-3870	1	Fitting-Elbow, 90
4	AU217-151	1	Stem-Straight, Bead
5	AU528359R4	1	Gasket-Sending Unit
6	AU117631	1	Sender-Fuel
7	3273-26	5	Screw-HSH
9	3253-17	5	Washer-Lock
10	125-9088	1	Fitting-Elbow, 90
11	115-1447	1	Fitting-Straight

Engine and Mounting Assembly



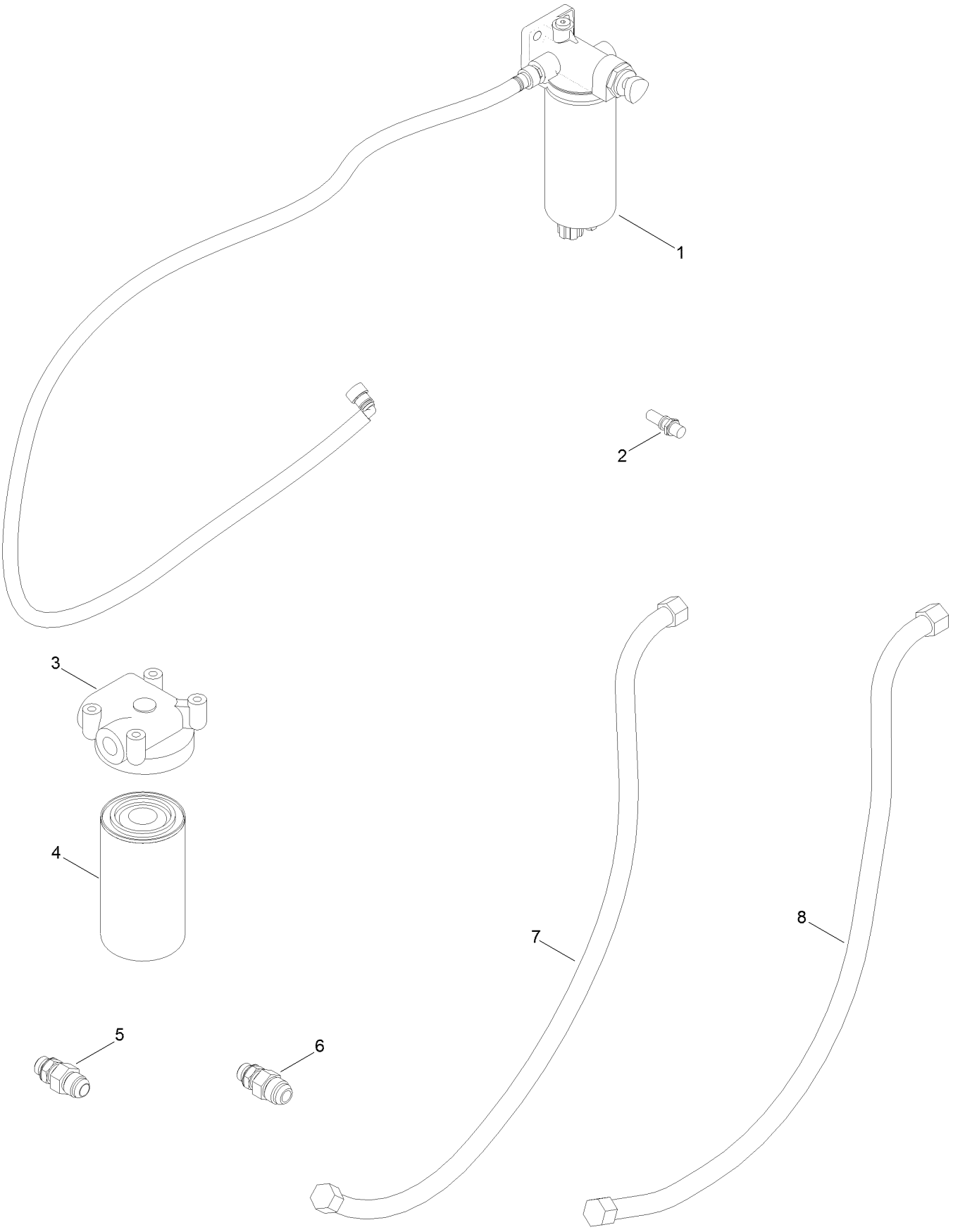
Engine and Mounting Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU119802	4	Washer
2	AU117690	2	Isolator-Mount, Universal
3	AU116259-03	1	Mount-Engine, Front (RH)
4		1	Engine-Qsb4, Tier 4I ■
4:3	131-3447	1	Remote Mounted Engine Parts Box ●
4:4	131-7361	1	Water Pump ●
4:5	131-7354	1	Alternator ●
4:6	131-7355	1	Belt ●
4:7	AU119491	1	Heater-Coolant/Block, 12V ●
4:8	131-7356	1	Breather-Crankcase ●
4:9	131-7359	1	Starter ●
4:10	131-7360	1	Thermostat ●
5	AU117688-03	1	Mount-Engine, Front (LH)
6	AU100347	8	Screw-HHF
7	AU117984	2	Spacer-Isolator
8	AU100368	2	Screw-Flange
9	AU100529	2	Nut-HHF
10	AU130260-03	1	Mount-Engine
11	AU130261-03	1	Mount-Engine
12	33105-040	4	Screw-HHF
13	103-9511	6	Nut-Lock, NI
14	AU426-1296	1	Screw-HH
15	120-7252	1	Nut-Lock
16	AU121717	1	Seal-Fitting, Fuel
17	AU120770	1	Fitting-Reducer
18	354-93	1	Fitting-Elbow, 90
19	127-5254	1	Fuel Filter ASM
20	AU123748	1	Fitting-Reducer
20:1	AU121717	1	Seal-Fitting, Fuel
21	127-3870	1	Fitting-Elbow, 90
22	127-5252	1	Fitting-Fuel
23	33105-035	2	Screw-HHF
24	AU130496-03	1	Plate-Mounting, Filter
30	AU122422	1	Hose-Drain, Oil
31	127-0881	1	Head-Filter, Oil
32	127-0880	1	Filter-Oil
33	127-0882	1	Fitting-Oil
34	127-0883	1	Fitting-Oil
35	127-0884	1	Hose-Oil
36	127-0885	1	Hose-Oil
37	33104-020	4	Screw-HHF
38	33104-025	2	Screw-HHF
39	104-3082	2	Nut-Lock, HHF
41	2412-129	1	Clamp-Hose

● Not illustrated

■ Not serviced separately

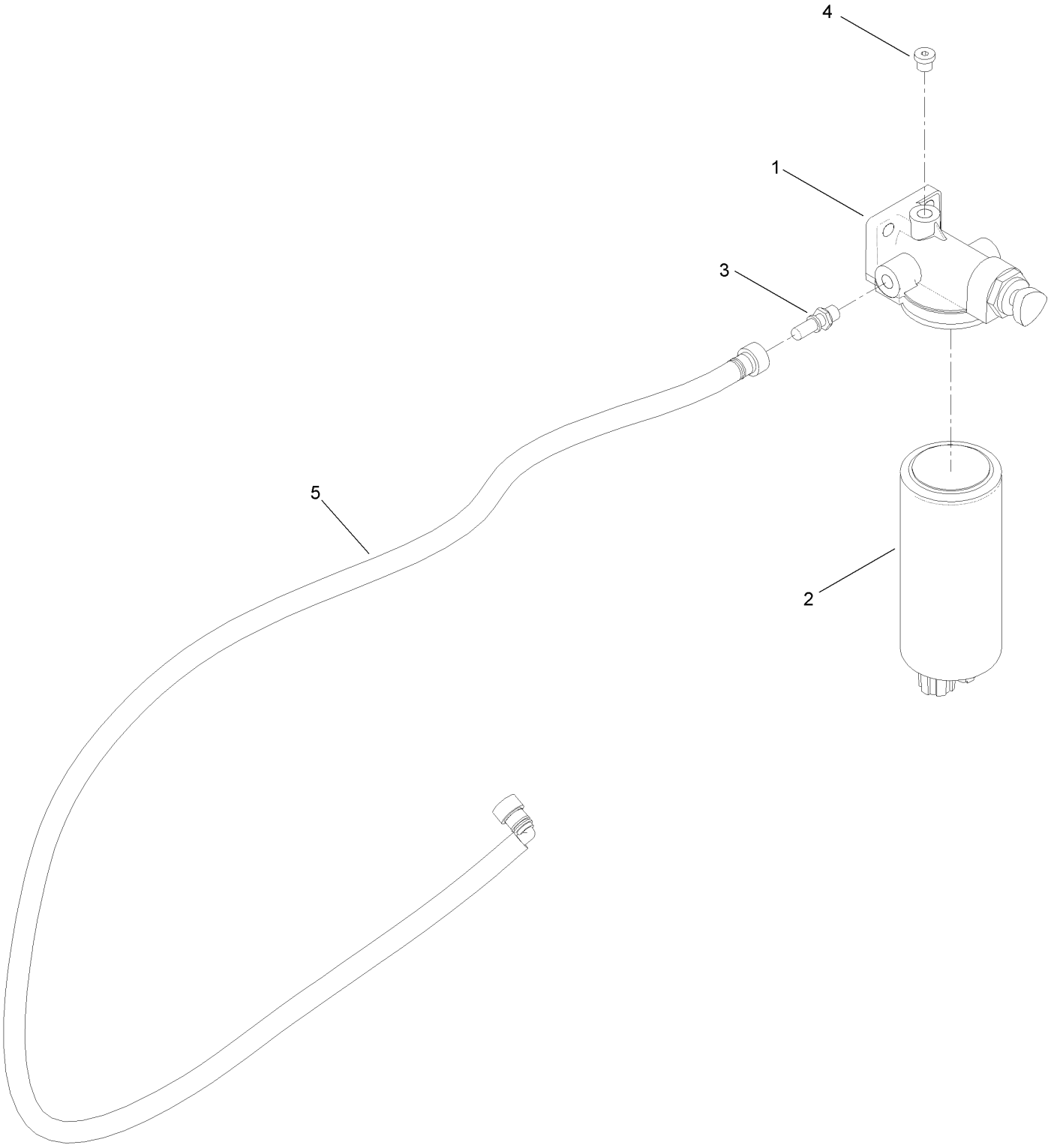
Remote Mounted Engine Parts Box Assembly



Remote Mounted Engine Parts Box Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-5254	1	Fuel Filter ASM
2	127-5252	1	Fitting-Fuel
3	127-0881	1	Head-Filter, Oil
4	127-0880	1	Filter-Oil
5	127-0882	1	Fitting-Oil
6	127-0883	1	Fitting-Oil
7	127-0884	1	Hose-Oil
8	127-0885	1	Hose-Oil

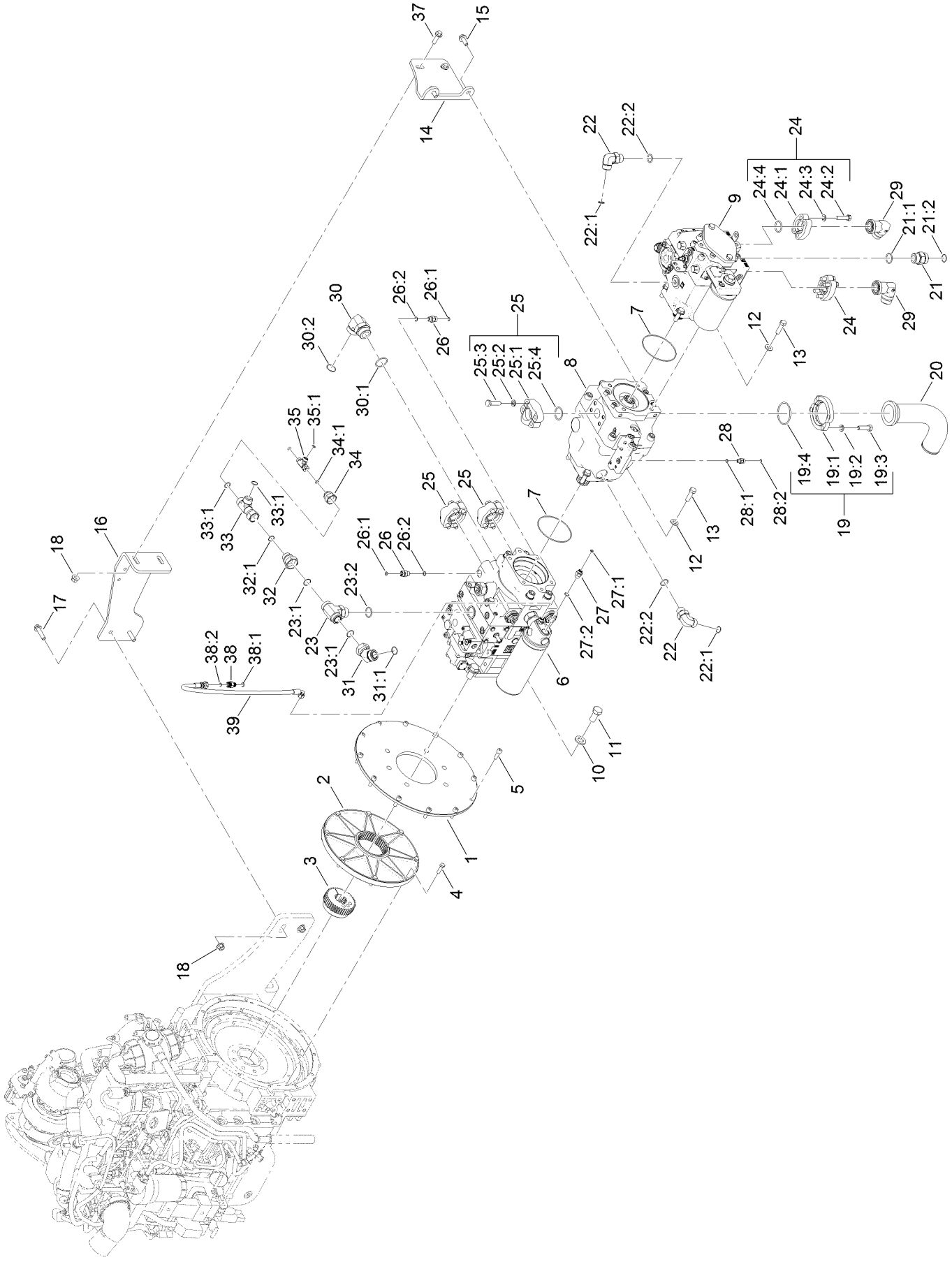
Fuel Filter Assembly No. 127-5254



Fuel Filter Assembly No. 127-5254 (continued)

Ref.	Part Number	Qty.	Description
1	127-5250	1	Head-Filter, Fuel
2	127-5251	1	Filter-Fuel
3	127-5252	1	Fitting-Fuel
4	127-5253	1	Plug
5	121-7531	1	Hose ASM

Hydraulic Pump Assembly

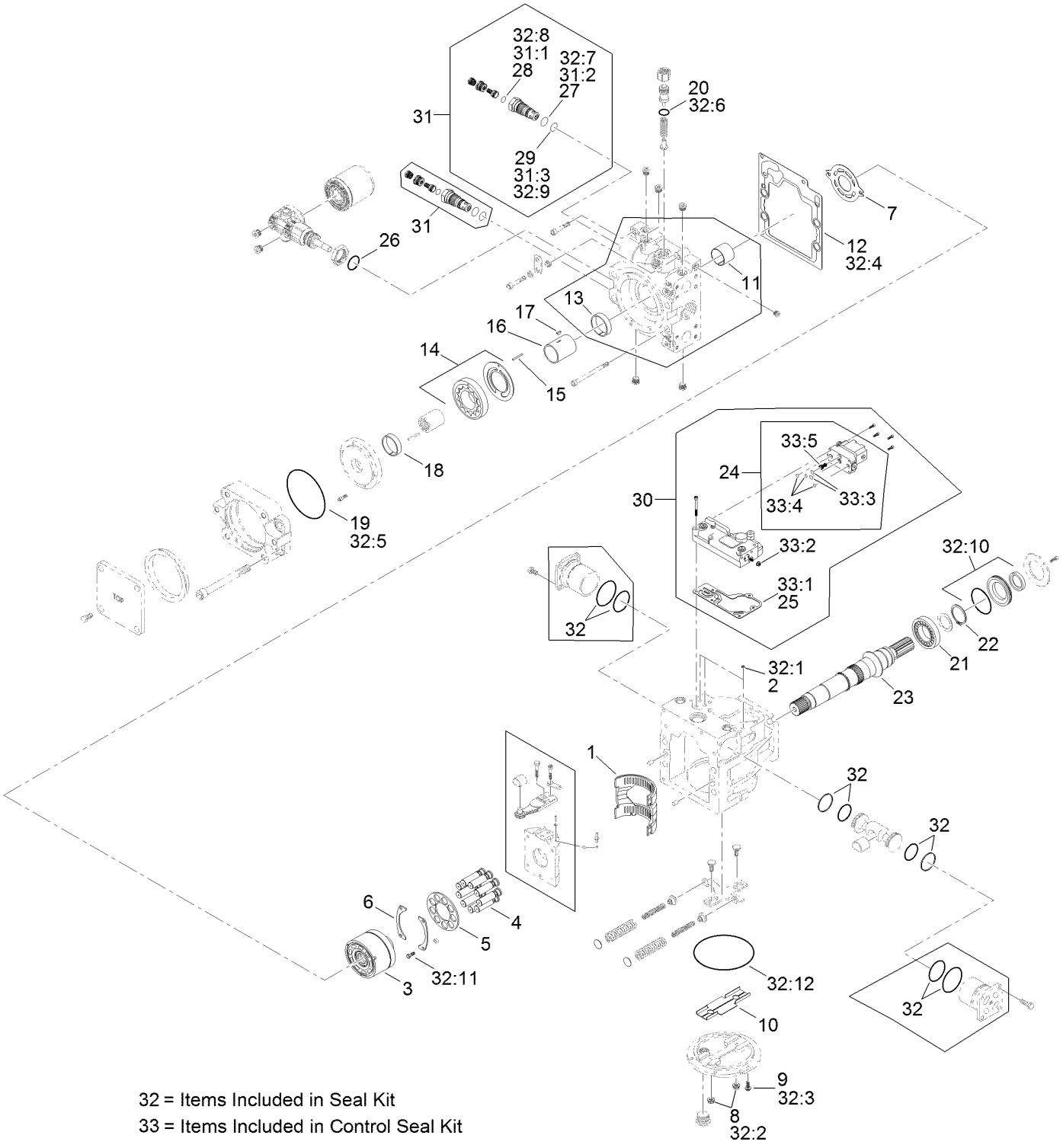


Hydraulic Pump Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU116050	1	Plate-Mount, Pump
2	AU8PD92006	1	Coupling-Drive, Nylon
3	AU8PD92007	1	Hub-Steel, 13T
4	323-44	8	Screw-HH
5	AU862-10030	12	Screw-HSH
6	136-1499	1	Rotary Pump ASM
7	AU70-9004104-158	2	Seal-O Ring
8	AU116306	1	Load-Sense Pump ASM
9	AU116314	1	Hydrostat Pump ASM
10	AU496-11081	4	Washer
11	AU426-1224	4	Bolt
12	AU496-21053	8	Washer-Flat
13	121-1524	8	Screw-HH
14	AU116261-03	1	Bracket-Mounting, Pump
15	33106-030	2	Screw-HHF
16	AU117689-03	1	Bracket-Mounting, Center
17	33106-050	2	Screw-HHF
18	115-1115	4	Nut-Lock, HHF
19	AU91-FF593-40	1	Split Flange Kit
19:1		2	Flange ●
19:2	3253-7	4	Washer-Lock
19:3	121-1524	4	Screw-HH
19:4	127-0980	1	O-Ring
20	AU121324	1	Tube-Bent
21	104-3797	1	Fitting-HYD, Straight
21:1	237-146	1	O-Ring
21:2	340-65	1	O-Ring
22	340-142	2	Fitting-HYD, 90 DEG
22:1	237-58	1	O-Ring
22:2	237-81	1	O-Ring
23	104-7501	1	Fitting-HYD
23:1	340-65	2	O-Ring
23:2	237-146	1	O-Ring
24	121-3903	2	Flange Kit
24:1	121-3904	1	O-Ring
24:2	33116-045	4	Screw-HH
24:3	48-8070	4	Washer-Lock
24:4		2	Flange ●
25	AU8TS46220	3	Split Flange Kit
25:1		2	Flange-Half ●
25:2	3253-7	4	Washer-Lock
25:3	325-7	4	Screw-HH
25:4	115-5420	1	O-Ring
26	340-2	2	Fitting-HYD, Straight
26:1	237-22	1	O-Ring
26:2	237-42	1	O-Ring
27	340-1	2	Fitting-HYD, Straight
27:1	237-21	1	O-Ring
27:2	237-42	1	O-Ring
28	340-92	1	Fitting-HYD, Straight
28:1	237-78	1	O-Ring
28:2	237-21	1	O-Ring
29	AU126488	2	Elbow-90
30	340-52	1	Fitting-Elbow, 90
30:1	237-101	1	O-Ring
30:2	340-64	1	O-Ring
31	AU8OE81616	1	Fitting-Elbow, 45
31:1	340-65	1	O-Ring
32	AU8OA81216	1	Fitting-Reducer
32:1	237-58	1	O-Ring
33	AU8OR81212	1	Fitting-Tee
33:1	237-58	2	O-Ring
34	AU8OA80612	1	Fitting-Reducer
34:1	237-22	1	O-Ring
35	340-115	1	Fitting-Tee, Swivel Nut
35:1	237-22	2	O-Ring
37	33106-040	2	Screw-HHF
38	100-7210	1	Check Valve
38:1	237-42	1	O-Ring
38:2	237-22	1	O-Ring
39	133-9593	1	Hose ASM-HYD

● Not serviced separately

Hydraulic Pump Assembly No. 136-1499



32 = Items Included in Seal Kit

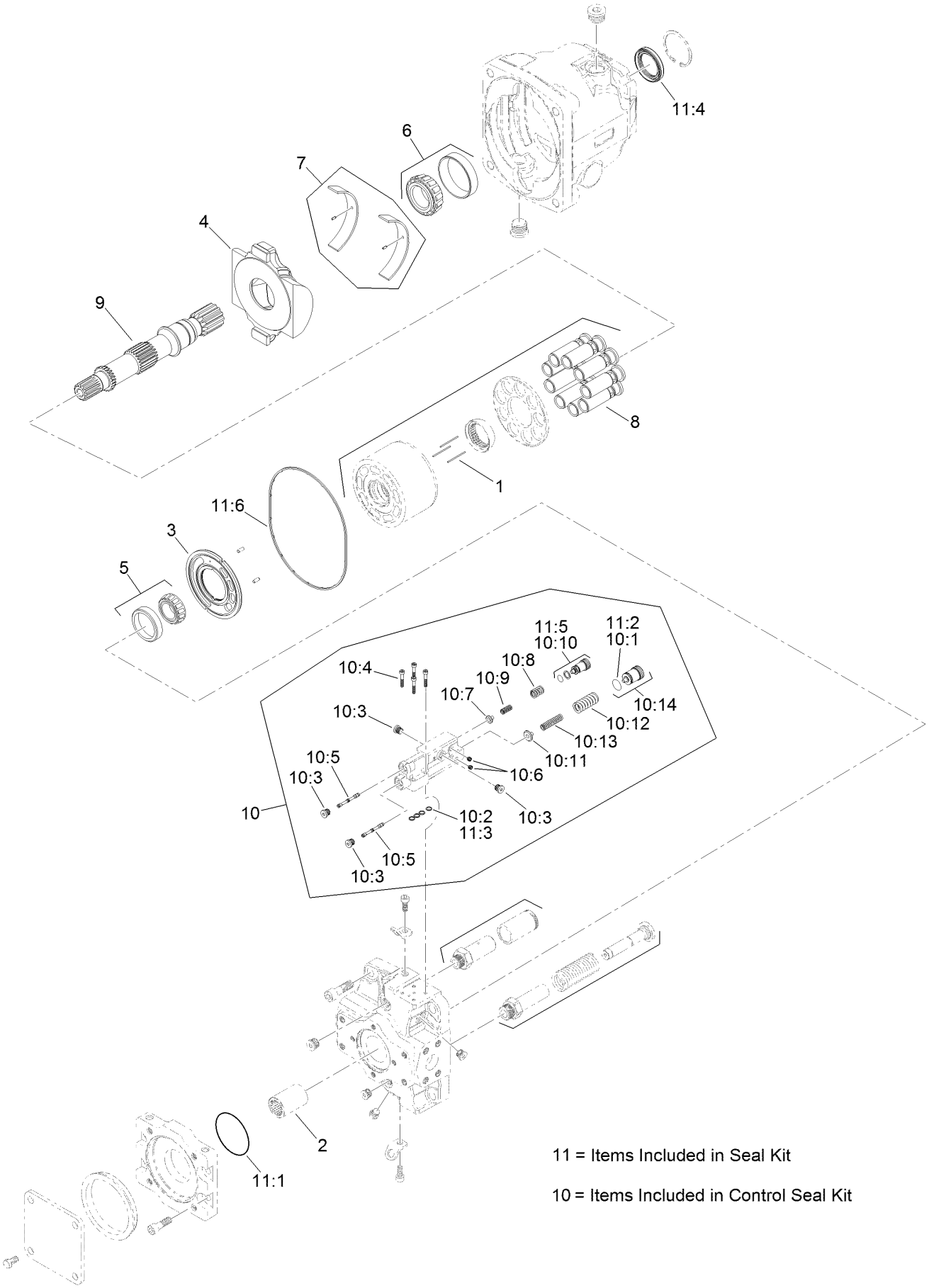
33 = Items Included in Control Seal Kit

Hydraulic Pump Assembly No. 136-1499 (continued)

Ref.	Part Number	Qty.	Description
1	131-7630	1	Cradle Bearing ASM
2	AU105638A1	3	Screen-Filter, Control
3	131-7642	1	Cylinder Block ASM
4	131-7610	9	Piston-Welded
5	131-8600	1	Guide-Slipper
6	131-7608	2	Bearing-Guide, Slipper
7	131-8625	1	Plate-Valve
8	131-7387	2	Nut-Seal
9	131-7605	6	Screw
10	131-8624	1	Side Cover Insert ASM
11	131-8618	1	Bearing-Journal
12	131-8626	1	Gasket-Cap, End
13	131-8617	1	Bearing-Journal
14	131-7602	1	Charge Pump Set
15	136-1597	1	Pin
16	136-1598	1	Shaft-Pump, Charge
17	131-8627	1	Key
18	131-8617	1	Bearing-Journal
19	131-7603	1	O-Ring
20	131-8614	1	O-Ring
21	131-7638	1	Bearing-Roller
22	131-8621	1	Ring-Retaining
23	131-8620	1	Shaft-13 Tooth
24	AU104298	1	Weather Pack Connector Kit
25	131-7628	1	Gasket-Control
26	131-8615	1	O-Ring
27	131-7612	2	O-Ring
28	131-8613	2	O-Ring
29	131-7613	2	O-Ring
30	AU104296	1	E.D.C Kit
31	133-6230	2	Multi Function Valve ASM
31:1	131-8613	1	O-Ring
31:2	131-7612	1	O-Ring
31:3	131-7613	1	O-Ring
32	131-8635	1	Overhaul Seal Kit
32:1	AU105638A1	3	Screen-Filter, Control
32:2	131-7387	2	Nut-Seal
32:3	131-7605	6	Screw
32:4	131-8626	1	Gasket-Cap, End
32:5	131-7603	1	O-Ring
32:6	131-8614	1	O-Ring
32:7	131-7612	2	O-Ring
32:8	131-8613	2	O-Ring
32:9	131-7613	2	O-Ring
32:10		1	Shaft Seal ASM ●
32:11		1	Screw ●
32:12		1	O-Ring ●
33	130-4589	1	Control Seal Kit
33:1		1	Gasket-Control ●
33:2		1	Nut-Seal ●
33:3		2	O-Ring ●
33:4		3	O-Ring ●
33:5		1	Filter ASM ●

● Not serviced separately

Hydraulic Pump Assembly No. AU116306



11 = Items Included in Seal Kit

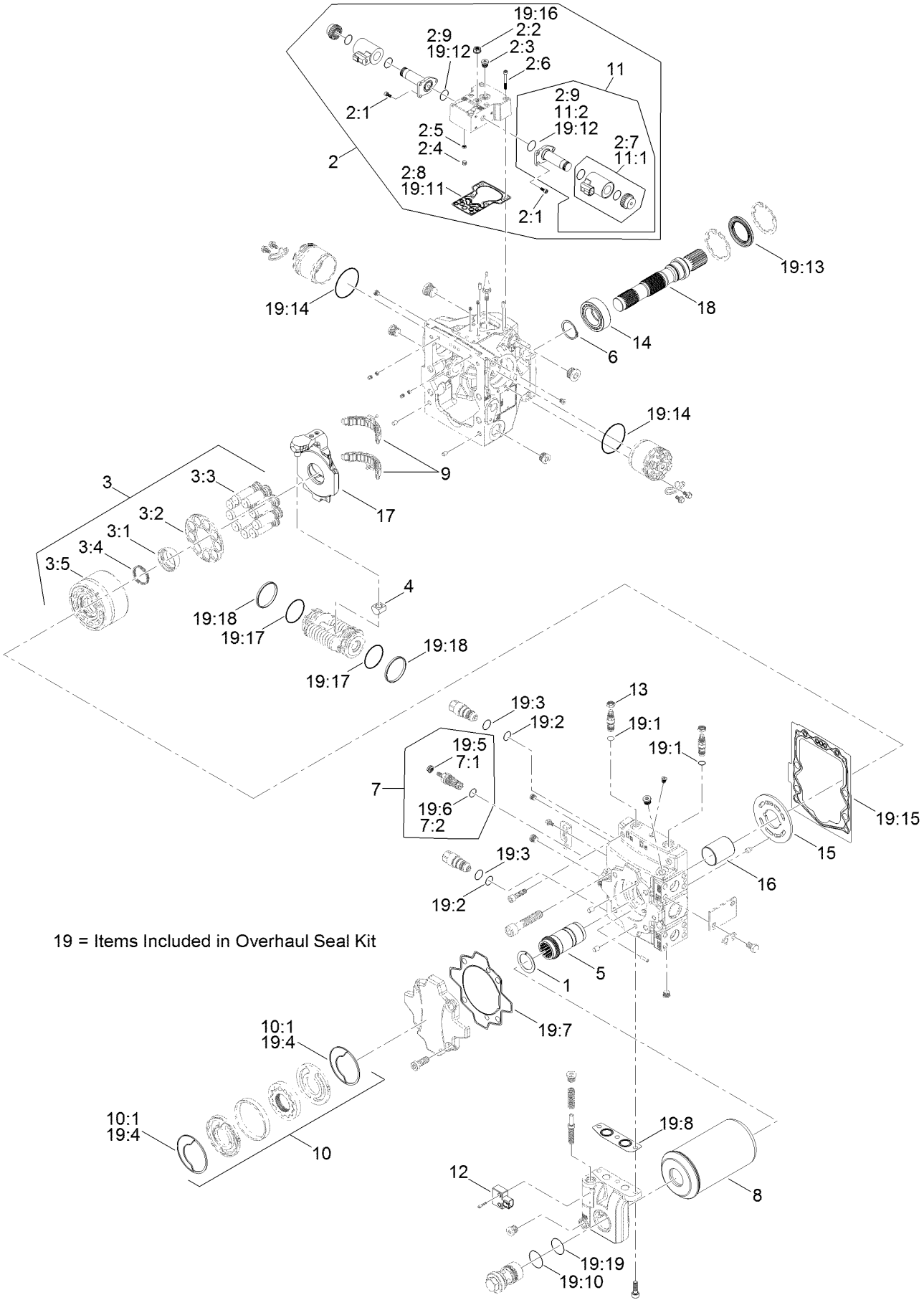
10 = Items Included in Control Seal Kit

Hydraulic Pump Assembly No. AU116306 (continued)

Ref.	Part Number	Qty.	Description
1	131-7614	3	Pin-Hold Down
2	131-7615	1	Coupling
3	131-7616	1	Plate-Valve, CW
4	131-7617	1	Swashplate ASM
5	131-7621	1	Rear Bearing Kit
6	131-7622	1	Front Bearing Kit
7	131-7623	1	Swashplate Bearing Kit
8	131-8602	9	Piston ASM
9	131-8604	1	Shaft
10	131-8608	1	Control Kit
10:1	131-7625	1	O-Ring
10:2	131-7624	4	Ring-Seal
10:3		4	Plug ●
10:4		4	Screw ●
10:5		2	Spool-Control ●
10:6		2	Screw-Set ●
10:7		1	Guide-Spring, Ls ●
10:8		1	Spring-Outer, Ls ●
10:9		1	Spring-Inner, Ls ●
10:10		1	Plug-Adjustment ●
10:11		1	Guide-Spring, Pc ●
10:12		1	Spring-Outer, Pc ●
10:13		1	Spring-Inner, Pc ●
10:14		1	Plug-Adjusting, Pc ●
11	131-8634	1	Overhaul Seal Kit
11:1	131-7607	1	O-Ring
11:2	131-7625	1	O-Ring
11:3	131-7624	4	Ring-Seal
11:4	131-8628	1	Seal-Lip
11:5		1	Plug-Adjustment ●
11:6		1	Seal-Cap, End ●

● Not serviced separately

Hydraulic Pump Assembly No. AU116314



19 = Items Included in Overhaul Seal Kit

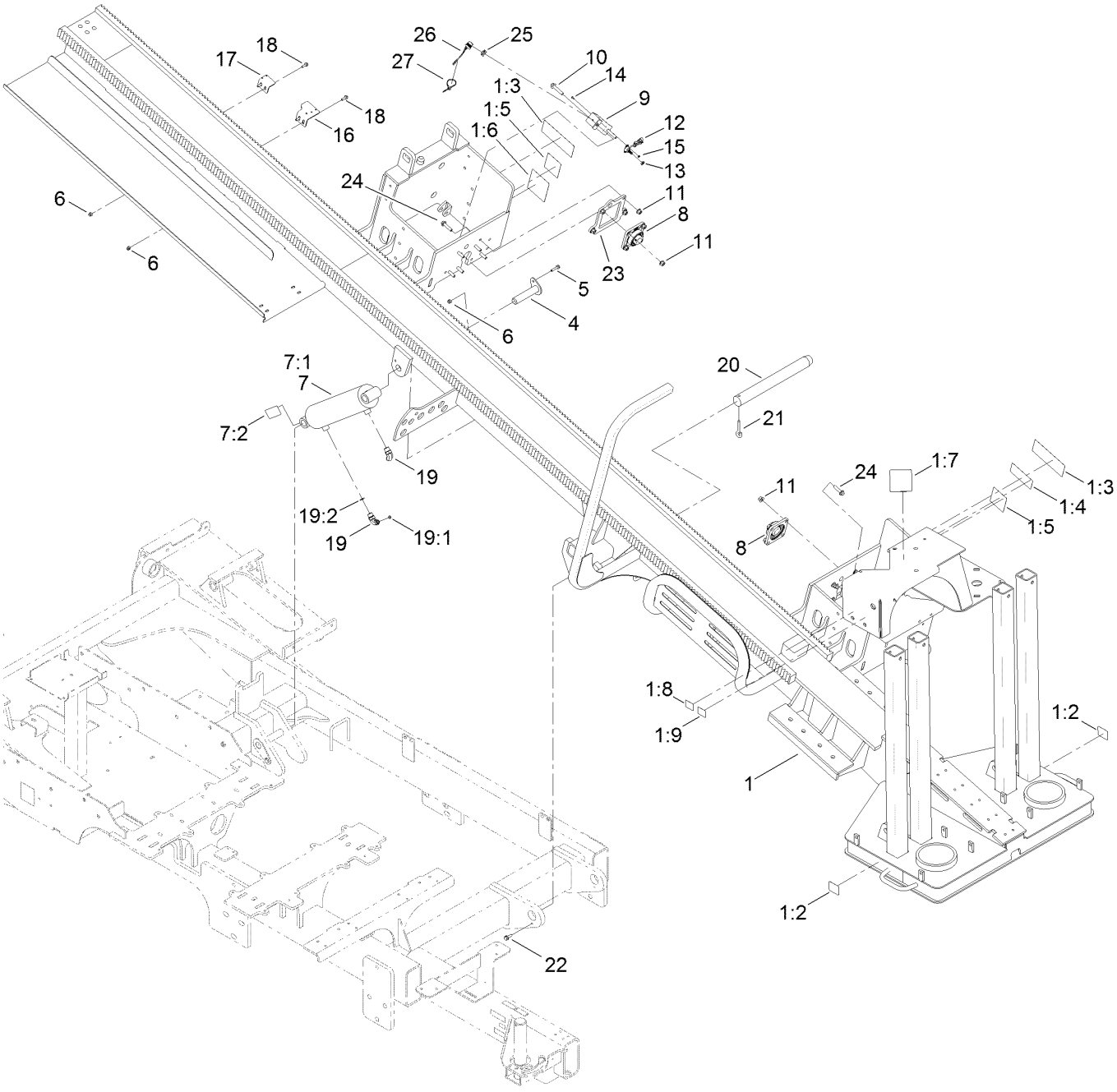
Hydraulic Pump Assembly No. AU116314 (continued)

Ref.	Part Number	Qty.	Description
1	125-5287	1	Plate-Thrust
2	125-5295	1	Control Kit (12 Volt)
2:1	125-5272	6	Screw
2:2	125-5273	1	Nut-Seal
2:3	125-5302	1	Plug ASM
2:4	125-5266	1	Screen
2:5	125-5269	1	Ring-Locking
2:6	125-5274	6	Screw
2:7	125-5294	2	Coil Kit
2:8	125-5283	1	Gasket-Control
2:9	125-5288	2	O-Ring
3	131-7390	1	Check Valve Kit
3:1	131-8609	1	Guide-Ball, Slipper Retainer
3:2	131-7391	1	Guide-Slipper
3:3	131-7639	1	Piston ASM
3:4		1	Ring-Spring ●
3:5		1	Cylinder Block ASM ●
4	131-7392	1	Block-Slider
5	131-7395	1	Shaft
6	131-7600	1	Ring-Retaining
7	131-7631	1	Charge Relief Valve Kit
7:1	125-5273	1	Nut-Seal
7:2	28-3570	1	O-Ring
8	131-7632	1	Filter
9	131-7633	1	Swashplate Bearing Kit
10	131-7634	1	Charge Pump Kit (14Cc)
10:1	131-8611	2	Ring-Seal
11	131-7636	2	Solenoid Valve ASM

Ref.	Part Number	Qty.	Description
11:1	125-5294	1	Coil Kit
11:2	125-5288	1	O-Ring
12	131-7641	1	Sensor-Filtration
13	131-7645	2	Nut
14	131-7646	1	Bearing-Ball
15	131-8601	1	Plate-Valve, CW
16	131-8605	1	Bearing-Journal
17	131-8606	1	Swashplate
18	131-8607	1	Shaft
19	131-8632	1	Overhaul Seal Kit
19:1	131-7386	2	O-Ring
19:2	131-7396	2	O-Ring
19:3	125-5289	2	O-Ring
19:4	131-8611	2	Ring-Seal
19:5	125-5273	1	Nut-Seal
19:6	28-3570	1	O-Ring
19:7	125-5285	1	Seal-Adapter
19:8	131-7389	1	Gasket-Adapter, Filter
19:10	131-7397	1	O-Ring
19:11	125-5283	1	Gasket-Control
19:12	125-5288	2	O-Ring
19:13	131-7394	1	Seal-Lip
19:14	131-7393	2	O-Ring
19:15		1	Gasket-Cap, End ●
19:16	125-5273	1	Nut-Seal
19:17		2	O-Ring ●
19:18		2	Ring-Piston ●
19:19		1	O-Ring ●

● Not serviced separately

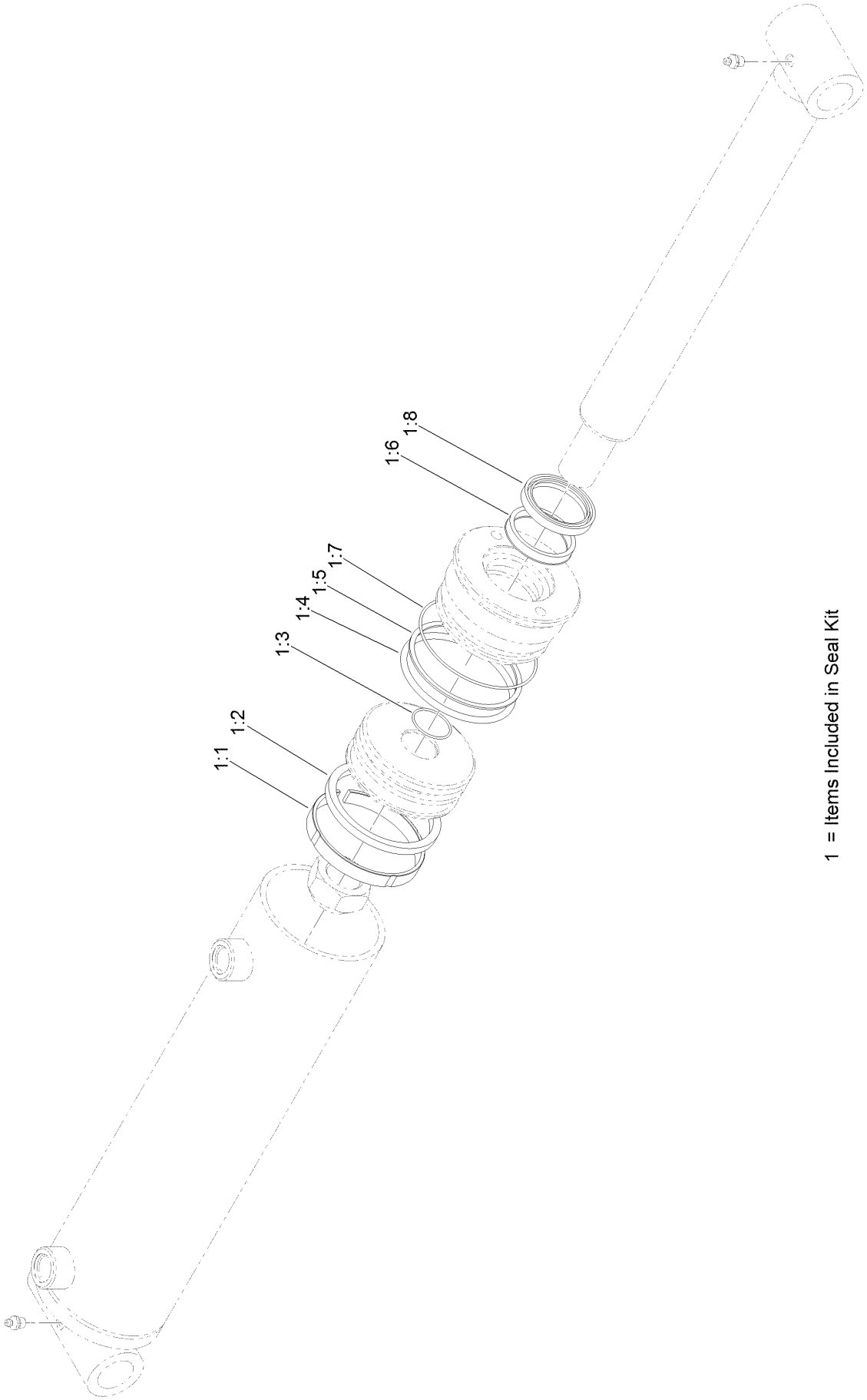
Thrust Frame Assembly



Thrust Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-0931	1	Thrust Frame ASM
1:2	125-6694	2	Decal-Tie Down
1:3	125-6130	2	Decal-Danger, Hazardous Area
1:4	125-6128	1	Decal-Warning, Hydraulic Pressure
1:5	125-6107	2	Decal-Warning, Crushing
1:6	125-6109	1	Decal-Danger, Shock
1:7	125-6111	1	Decal-Stakedown Set Up
1:8	125-6123	1	Decal-Pipe Return, Clear
1:9	125-6124	1	Decal-Pipe Breakout, Clear
4	AU117944	1	Pin-Pivot
5	33104-040	1	Screw-HHF
6	104-3082	7	Nut-Lock, HHF
7	127-0933	1	Lift Cylinder ASM
7:1	AU116296	1	HYD Cylinder ASM
7:2	125-6115	1	Decal-Caution, Cylinder Lock
8	AU121325	2	Bearing-Flanged Y, Square
9	132-4171-03	1	Bracket-Sensor, Cam
10	33106-060	2	Screw-HHF
11	115-1115	16	Nut-Lock, HHF
12	131-0177	1	Sensor-Rotary
13	112-8617	1	Nut-Hex
14	60-6500	2	Screw-HH
15	127-2018	2	Nut-HHF
16	AU122460-03	2	Plate-Mount, Proximity Switch
17	AU122537-03	1	Plate-Mount, Switch
18	33104-025	6	Screw-HHF
19	340-130	2	Fitting-Elbow, 90
19:1	237-22	1	O-Ring
19:2	237-80	1	O-Ring
20	AU118521	1	Pin-Pivot, Main
21	AUH313981	1	Pin-Retainer
22	33105-030	1	Screw-HHF
23	125-6511-03	2	Plate-Support, Bearing
24	33106-050	14	Screw-HHF
25	32180-011	1	Clip-Connector
26	122-0673	1	Harness-Adaptor, Sensor
27	3290-378	1	Tie-Cable

Hydraulic Cylinder Assembly No. AU116296



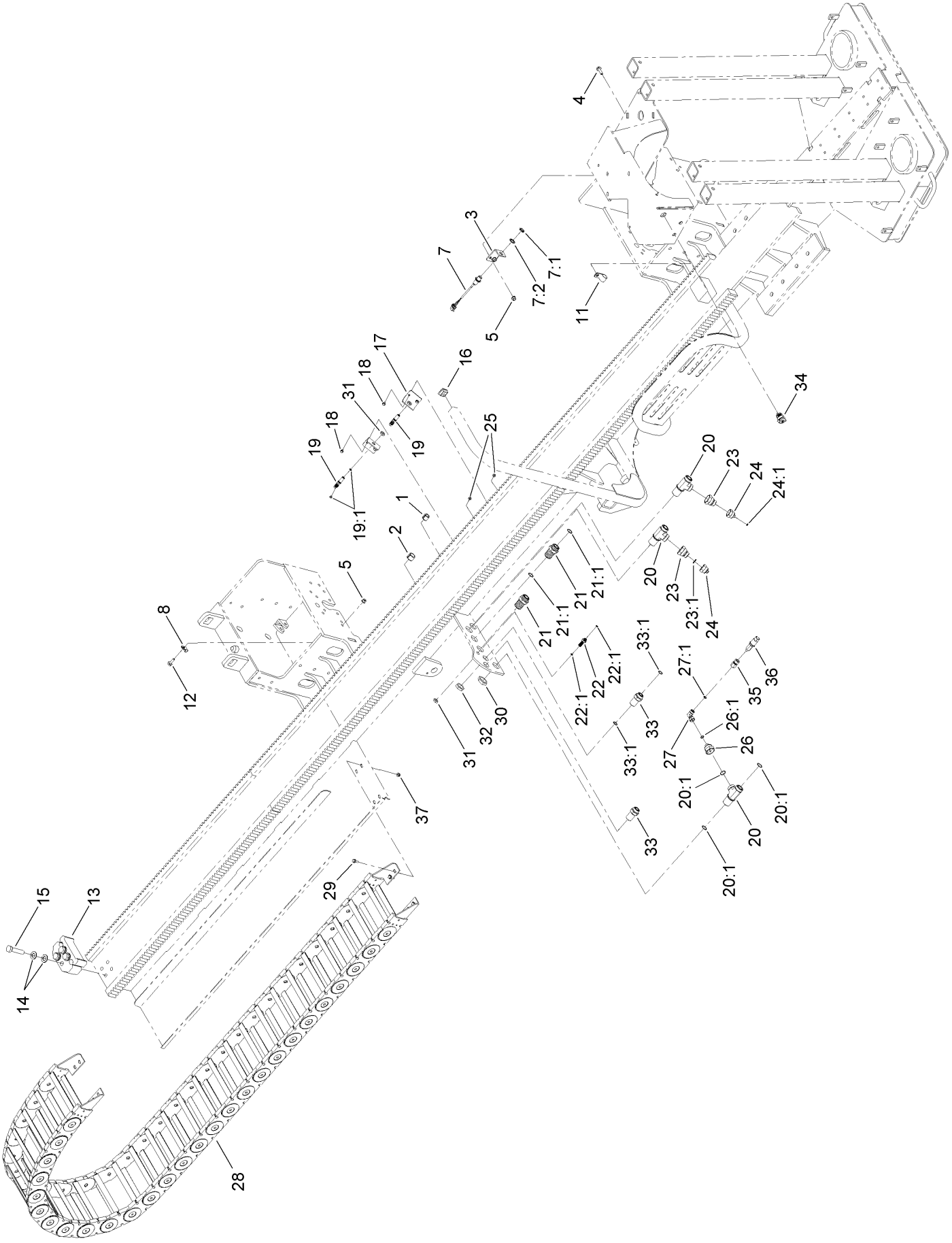
1 = Items Included in Seal Kit

Hydraulic Cylinder Assembly No. AU116296 (continued)

Ref.	Part Number	Qty.	Description
1	AU8HC40017-1	1	Seal Kit
1:1		1	Ring-Bearing ●
1:2		1	Teflon Seal ASM ●
1:3		1	O-Ring ●
1:4		1	O-Ring ●
1:5		1	Washer-Backup ●
1:6		1	Cup-U ●
1:7		1	O-Ring ●
1:8		1	Wiper ●

● Not serviced separately

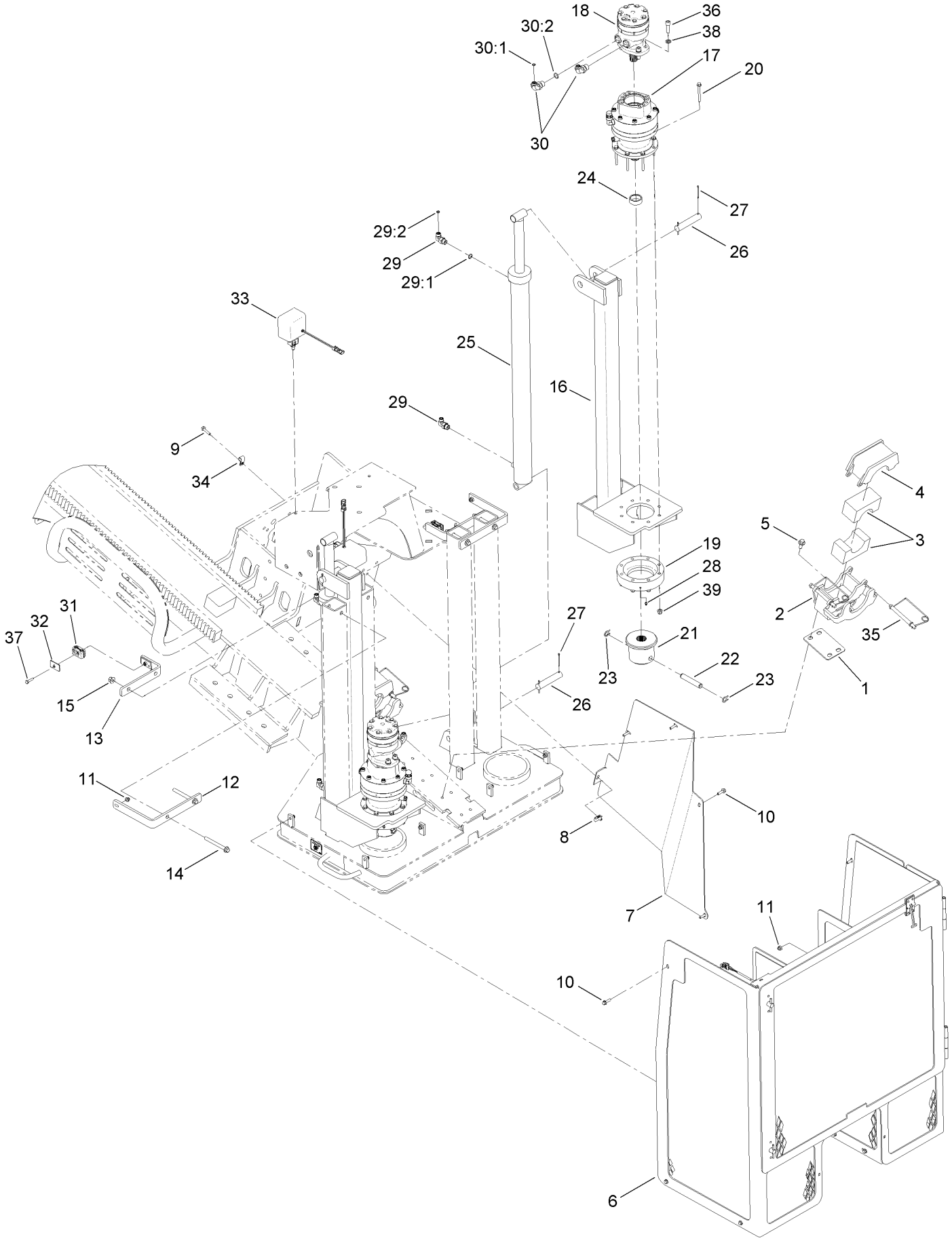
Thrust Frame Hose Carrier Assembly



Thrust Frame Hose Carrier Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU109676	4	Bushing-Spring
2	AU125808	2	Bushing-Spring
3	121-7532	1	Bracket-Switch
4	33105-035	2	Screw-HHF
5	103-9511	3	Nut-Lock, NI
7	115-5300	1	Proximity Switch ASM
7:1	117-3207	2	Nut-Hex
7:2	117-3208	2	Washer-Lock, Internal Tooth
8	2412-138	1	R-Clamp
11	2412-71	1	Clamp-R
12	33105-030	1	Screw-HHF
13	AU32GB2011-03	1	Stop-Carriage, Rear Frame
14	AU496-11081	8	Washer
15	AU426-1256	4	Screw-HH
16	AU8PP92001	1	Cap-Square, Plastic
17	AU124863-03	2	Plate-Mount
18	33103-020	4	Screw-HHF
19	AU8OR90404	2	Fitting-Tee
19:1	237-21	3	O-Ring
20	AU8OR91616	3	Fitting-Tee, Bulkhead
20:1	340-65	3	O-Ring
21	106-0060	2	Adapter-HYD
21:1	340-65	2	O-Ring
22	94-1444	3	Union-Bulkhead
22:1	237-21	2	O-Ring
23	AU8OA81216	2	Fitting-Reducer
23:1	237-58	1	O-Ring
24	AU8OA80412	2	Fitting-Reducer
24:1	237-21	1	O-Ring
25	81-0130	4	Nut-Flange, NI
26	AU8OA80816	1	Fitting-Reducer
26:1	237-30	1	O-Ring
27	94-6031	1	Fitting-HYD
27:1	237-30	1	O-Ring
28	AU119010	1	Carrier-Hose, 36 Links
29	33104-025	4	Screw-HHF
30	340-128	5	Nut-Bulkhead
31	340-78	5	Nut-Lock
32	340-126	2	Nut-Bulkhead
33	94-2637	2	Fitting-HYD
33:1	237-58	2	O-Ring
34	109-9376	1	Receptacle-12V
35	127-0887	1	Fitting-Straight
36	125-6578	1	Transducer-6000 Psi (W/Isolator)
37	104-3082	4	Nut-Lock, HHF

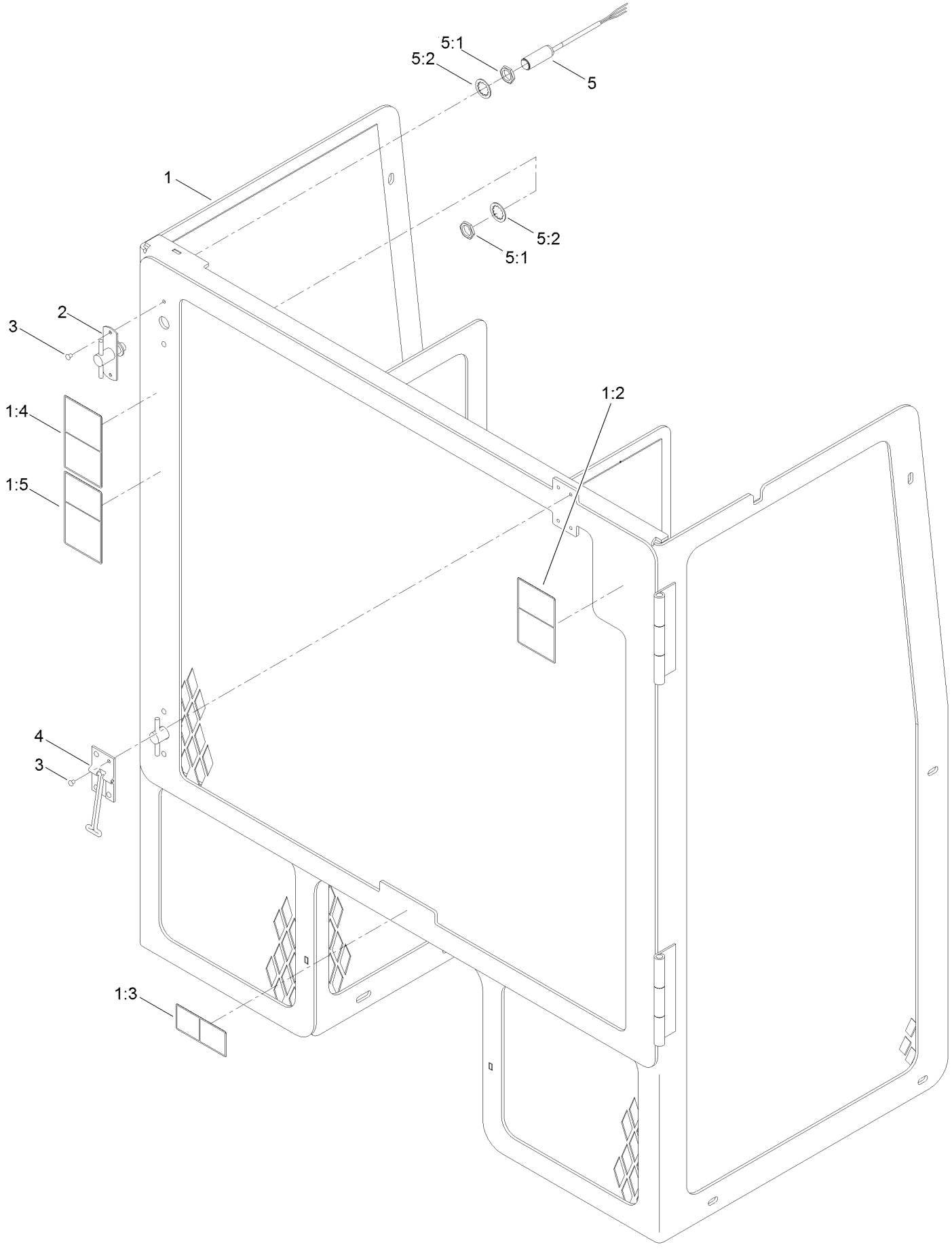
Planetary, Rod Guide and Stakedown Cage Assembly



Planetary, Rod Guide and Stakedown Cage Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU123409	2	Plate-Shim, Bushing Guide
2	AU115589-03	2	Guide-Rod, Lower
3	AU119095	2	Bushing-Guide, Rod
4	AU115588-03	2	Guide-Rod, Upper
5	33106-030	8	Screw-HHF
6	125-6512	1	Stakedown Cage ASM
7	AU122462-03	1	Plate-Guard
8	AU100862	3	Nut-U
9	33104-035	3	Screw-HHF
10	33104-030	11	Screw-HHF
11	104-3082	11	Nut-Lock, HHF
12	AU124995-03	2	Plate-Mount, Stakedown
13	AU122788-03	2	Bracket ASM
14	AU100357	4	Screw-HHF
15	115-1115	4	Nut-Lock, HHF
16	125-6520-03	2	Stakedown
17	AU8GB80063	2	Planetary Gearbox ASM
18	AU8HM24048	2	HYD Motor ASM
19	AU32GB7527-03	2	Retainer
20	33105-090	16	Screw-HHF
21	AU32GB7526-03	2	Coupler-Auger Drive, Stakedown
22	AU32GB7507	2	Pin-Bar, Auger Coupler
23	AU8SR16001	4	Ring-Retaining, E-Type
24	AU32GB7509-03	2	Spacer-Tube
25	AU8HC25036	2	HYD Cylinder ASM
26	AU32GB7522	4	Pin-Bar
27	3272-15	8	Pin-Cotter
28	302-57	2	Fitting-Grease
29	340-18	4	Fitting-HYD, 90 DEG
29:1	237-79	1	O-Ring
29:2	237-22	1	O-Ring
30	340-130	4	Fitting-Elbow, 90
30:1	237-22	1	O-Ring
30:2	237-80	1	O-Ring
31	AU8CL21704	2	Clamp-Half (Set Of 2)
32	AU8CL21201	2	Plate-Cover, Twin
33	122-0144	2	Work Light ASM
34	2412-138	1	R-Clamp
35	127-0897	4	Pin-Lynch
36	AU864-12040	8	Screw-HSH
37	322-6	2	Screw-HH
38	3253-7	8	Washer-Lock
39	103-9511	16	Nut-Lock, NI

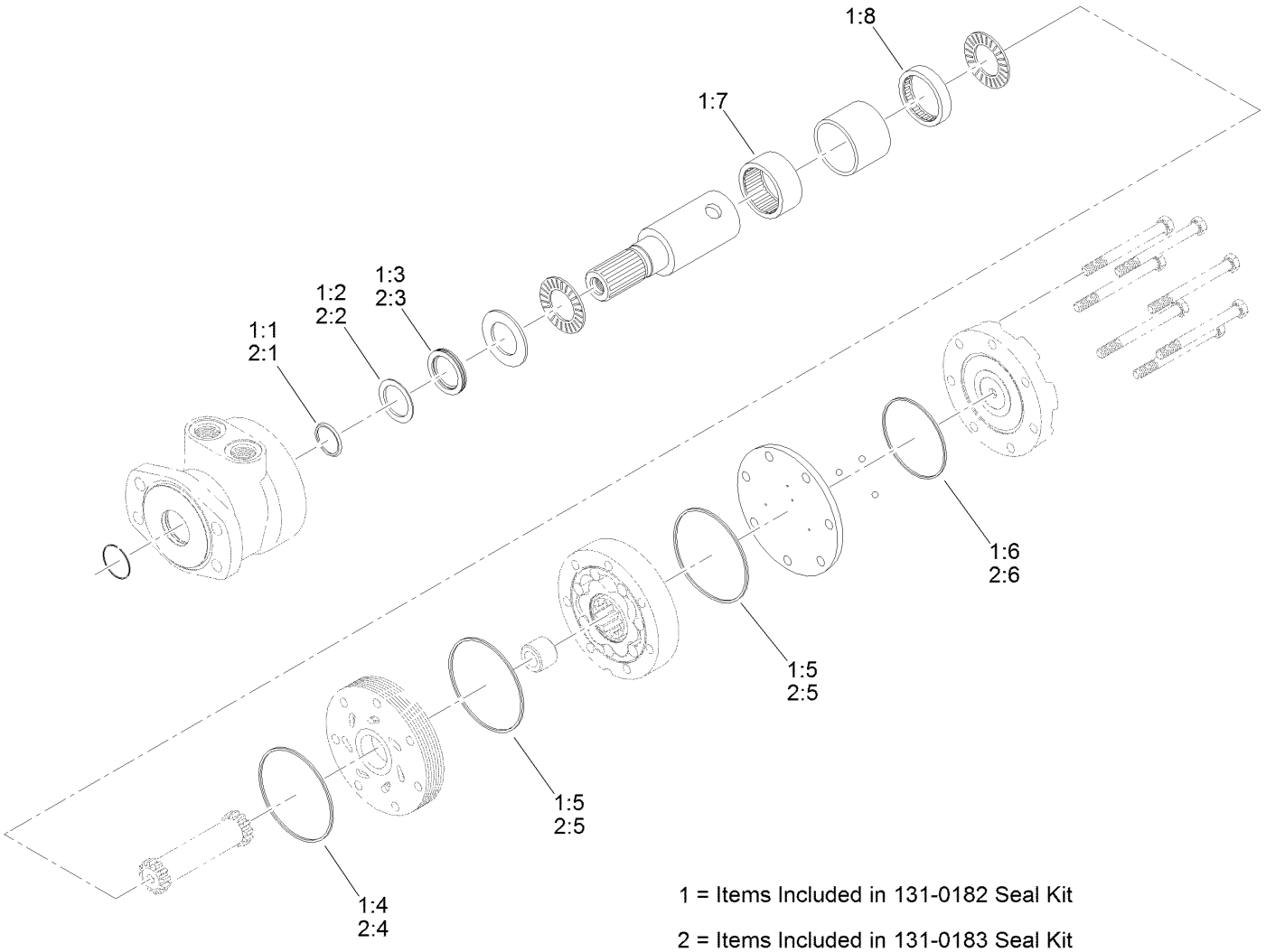
Stakedown Cage Assembly No. 125-6512



Stakedown Cage Assembly No. 125-6512 (continued)

Ref.	Part Number	Qty.	Description
1	127-0875	1	Stakedown Cage ASM
1:2	125-6131	2	Decal-Danger, Hazardous Area
1:3	125-6119	1	Decal-Danger, Entanglement
1:4	125-6126	1	Decal-Warning, Entanglement
1:5	125-6114	1	Decal-Danger, Impact Hazard
2	AUL102515	2	Latch
3	1-803035	8	Rivet-Pop
4	AU114618	1	Latch-Retaining
5	115-5300	1	Proximity Switch ASM
5:1	117-3207	2	Nut-Hex
5:2	117-3208	2	Washer-Lock, Internal Tooth

Hydraulic Motor Assembly No. AU8HM24048



1 = Items Included in 131-0182 Seal Kit

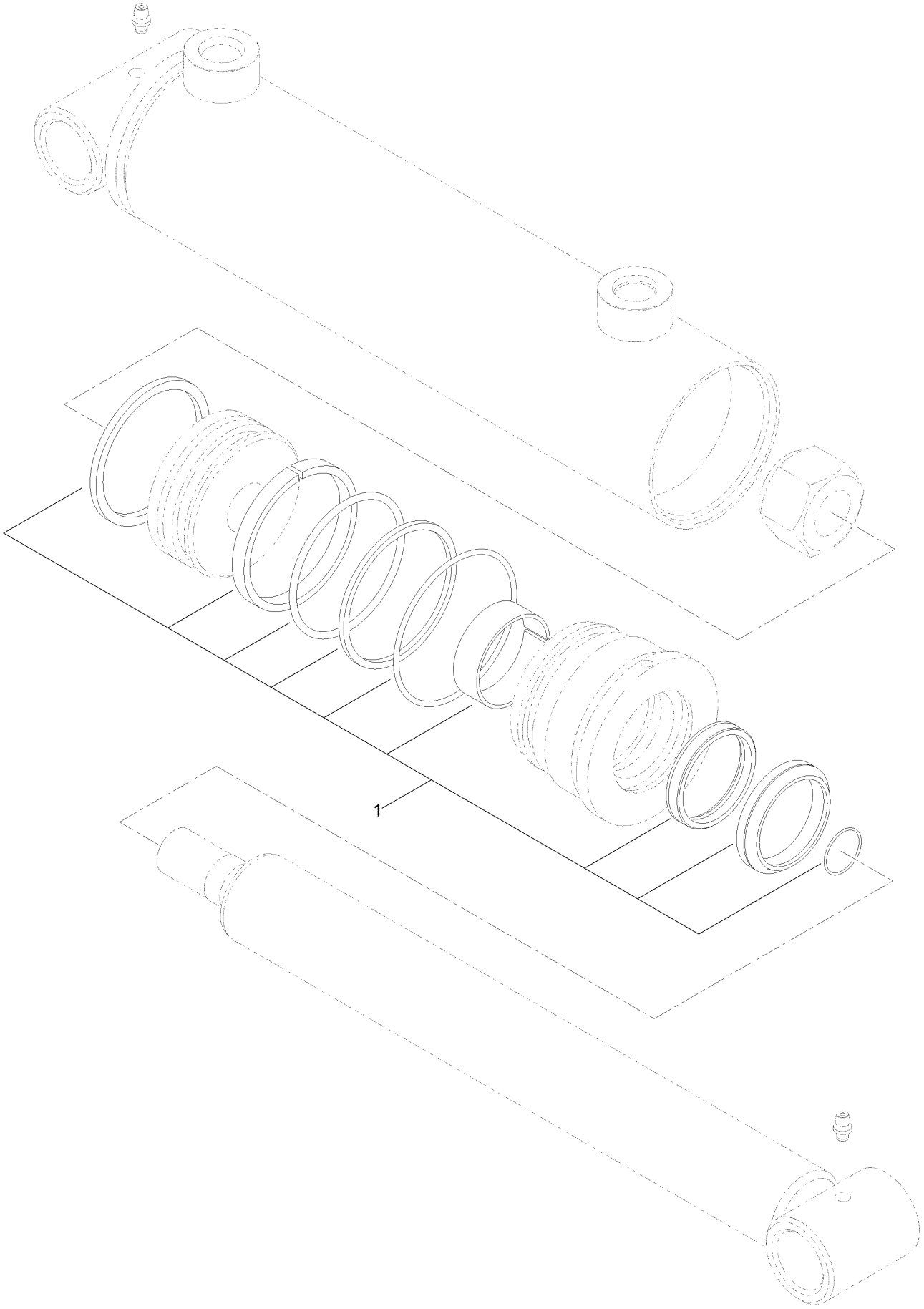
2 = Items Included in 131-0183 Seal Kit

Hydraulic Motor Assembly No. AU8HM24048 (continued)

Ref.	Part Number	Qty.	Description
1	131-0182	1	Seal Kit
1:1		1	Seal-Excluder ●
1:2		1	Seal-Backup ●
1:3		1	Seal-Shaft ●
1:4		1	Seal-Housing ●
1:5		2	Seal-Body ●
1:6		1	Seal-Endcover ●
1:7		1	Bearing-Housing, Front ●
1:8		1	Bearing-Housing, Rear ●
2	131-0183	1	Seal Kit
2:1		1	Seal-Excluder ●
2:2		1	Seal-Backup ●
2:3		1	Seal-Shaft ●
2:4		1	Seal-Housing ●
2:5		2	Seal-Body ●
2:6		1	Seal-Endcover ●

● Not serviced separately

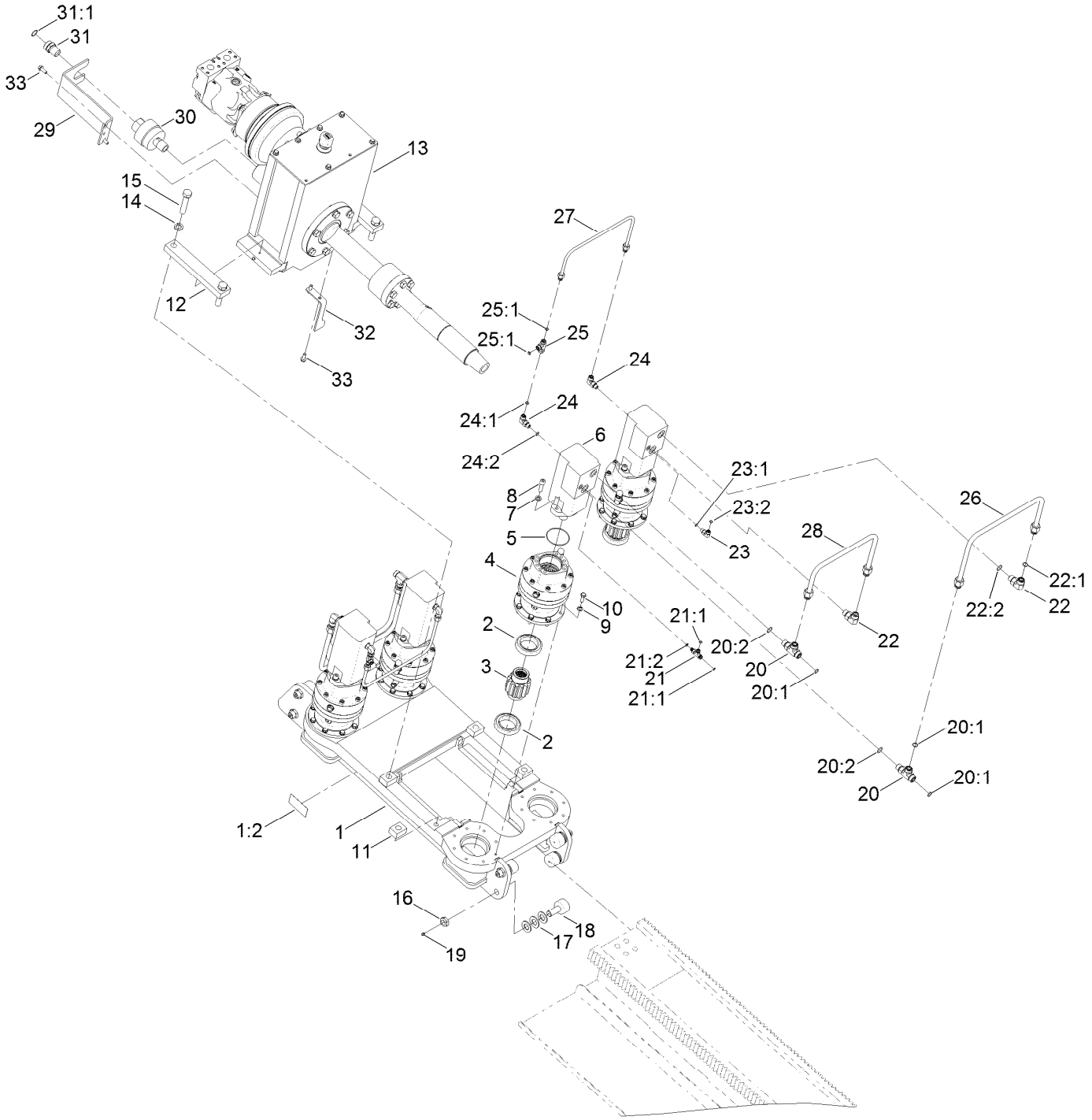
Hydraulic Cylinder Assembly No. AU8HC25036



Hydraulic Cylinder Assembly No. AU8HC25036 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	AU8HC25036-1	1	Seal Kit

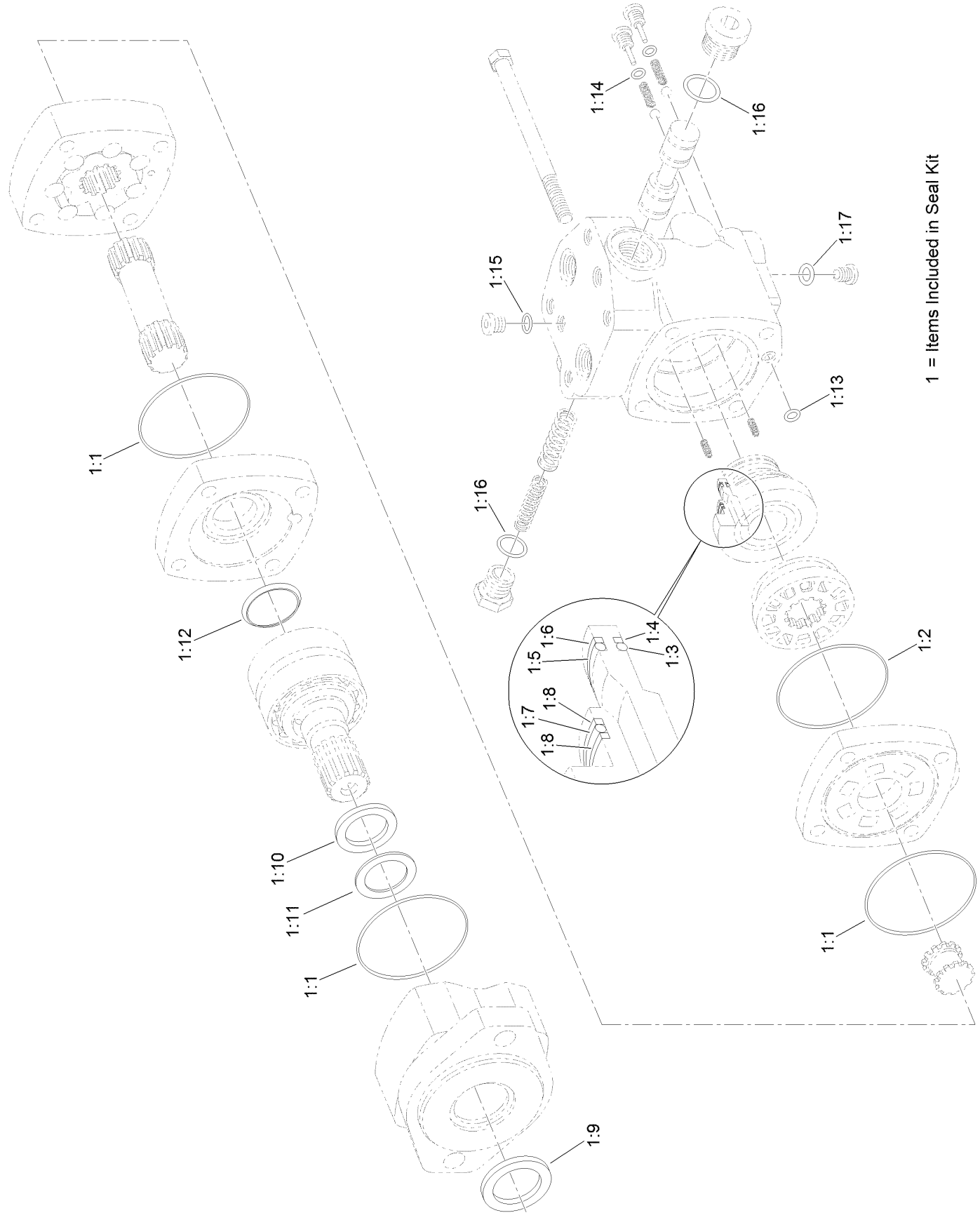
Carriage and Rotary Assembly



Carriage and Rotary Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-0934	1	Carriage ASM
1:2	125-6110	2	Decal-Danger, Crushing
2	AU8CF40005	8	Bearing-Ball, Radial
3	AU32GB4020	4	Pinion-Drive, Carriage
4	AU8GB80063	4	Planetary Gearbox ASM
5	AU8HS51152	4	O-Ring
6	AU115604	4	HYD Motor ASM
7	3253-7	8	Washer-Lock
8	AU864-12040	8	Screw-HSH
9	3253-6	32	Washer-Lock
10	33115-030	32	Screw-HH
11	AU32GB4022-03	4	Spacer-Clamp, Carriage
12	AU32GB4021-03	2	Clamp-Rotary Box, Carriage
13	133-6208-03	1	Rotary Box ASM
14	3253-9	4	Washer-Lock
15	AU426-1256	4	Screw-HH
16	3296-60	8	Nut-Lock, NI
17	AU496-11094	24	Washer
18	AU8CF30032	8	Bearing-Follower, Cam
19	302-63	8	Zerk
20	340-22	4	Fitting-HYD, Tee
20:1	237-65	2	O-Ring
20:2	237-80	1	O-Ring
21	340-140	2	Adapter-Tee
21:1	237-21	2	O-Ring
21:2	237-78	1	O-Ring
22	340-17	4	Fitting-HYD, 90 DEG
22:1	237-65	1	O-Ring
22:2	237-80	1	O-Ring
23	340-132	2	Fitting-HYD, 90 DEG
23:1	237-78	1	O-Ring
23:2	237-21	1	O-Ring
24	340-77	4	Fitting-HYD, 90 DEG
24:1	237-22	1	O-Ring
24:2	237-42	1	O-Ring
25	340-115	2	Fitting-Tee, Swivel Nut
25:1	237-22	2	O-Ring
26	AU119410	2	Tube-HYD, 5/8 In (Motor To Motor)
27	AU119452	2	Tube-HYD, 3/8 In (Case Drain Mtr To Mtr)
28	AU119409	2	Tube-HYD, 5/8 In (Motor To Motor)
29	AU32GB4475-03	1	Bracket-Swivel, Mud
30	AU32GB4210	1	Swivel-Mud
31	AU8OA11616	1	Fitting-Straight
31:1	340-65	1	O-Ring
32	AU121312-03	1	Plate-Trigger, Proximity
33	3234-42	4	Screw-HHF

Hydraulic Motor Assembly No. AU115604

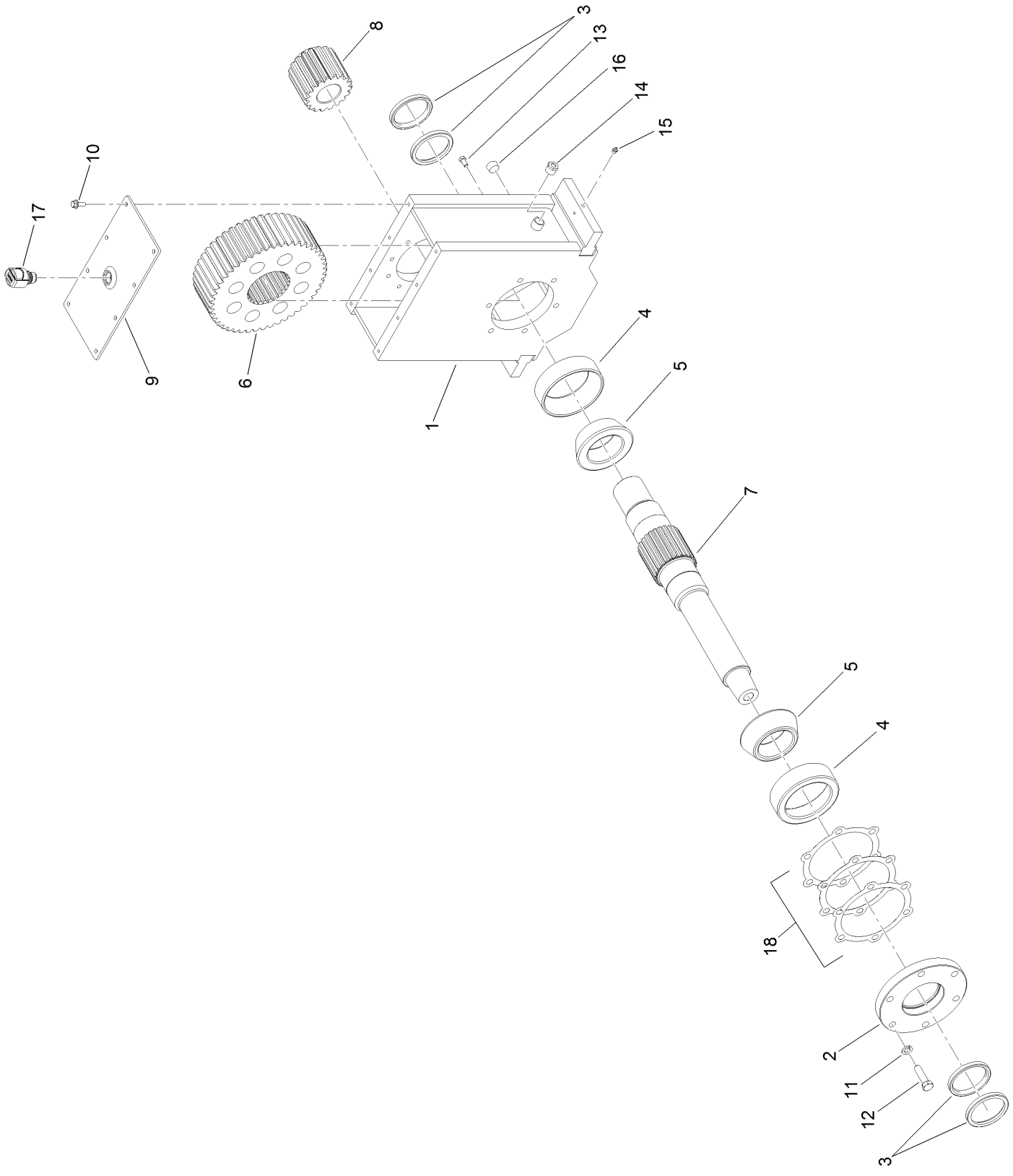


Hydraulic Motor Assembly No. AU115604 (continued)

Ref.	Part Number	Qty.	Description
1	127-6212	1	Seal Kit
1:1		3	O-Ring ●
1:2		1	O-Ring ●
1:3		1	O-Ring ●
1:4		1	Ring-Backup ●
1:5		1	O-Ring ●
1:6		1	Ring-Backup ●
1:7		1	O-Ring ●
1:8		2	Ring-Backup ●
1:9		1	Seal ●
1:10		1	Seal ●
1:11		1	Washer-Backup ●
1:12		1	Seal-Shaft Face ●
1:13		1	Seal ●
1:14		3	O-Ring ●
1:15		1	O-Ring ●
1:16		2	O-Ring ●
1:17		1	O-Ring ●

● Not serviced separately

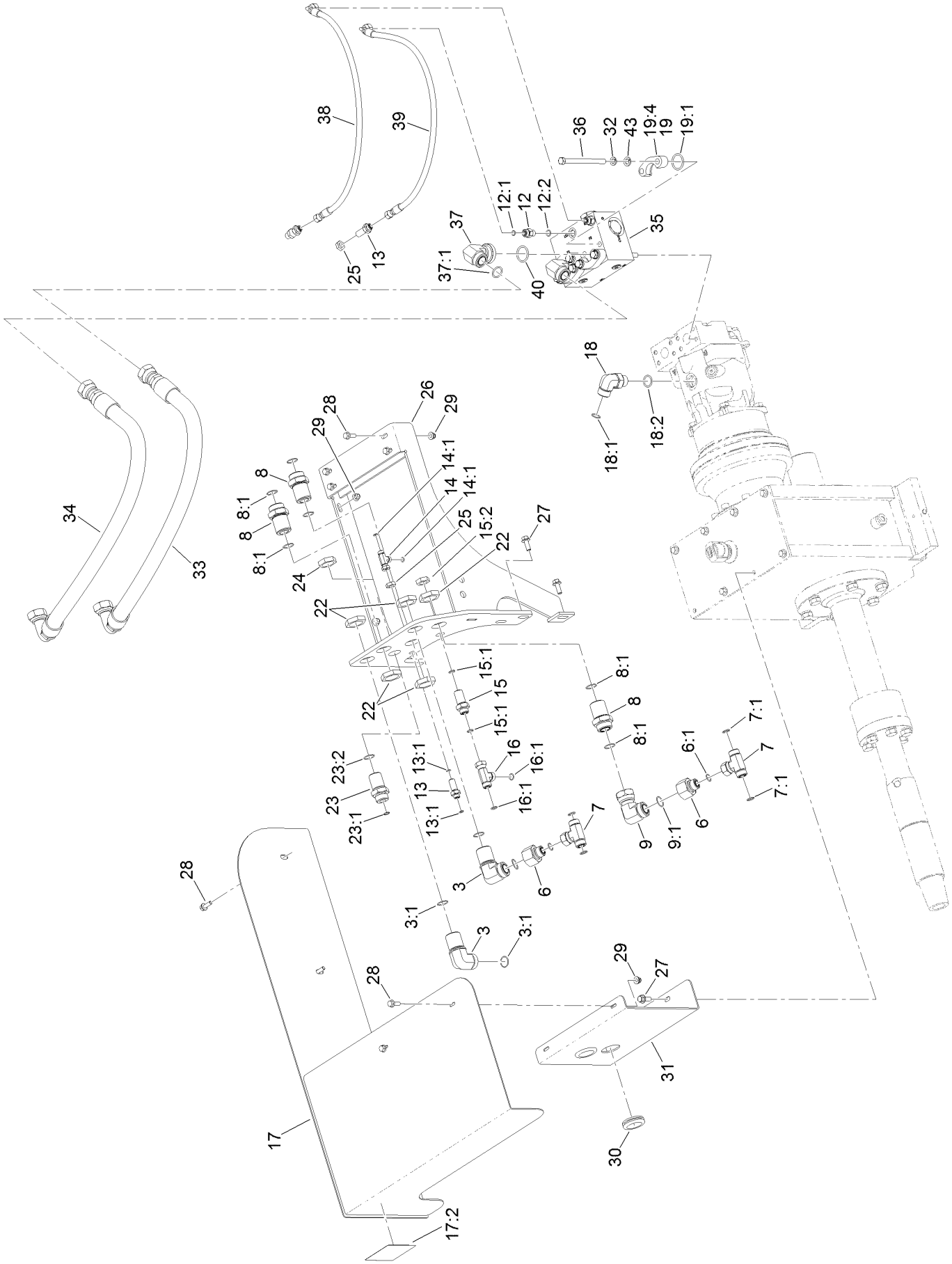
Rotary Box Assembly No. 133-6208-03



Rotary Box Assembly No. 133-6208-03 (continued)

Ref.	Part Number	Qty.	Description
1	125-6144	1	Box-Rotary
2	AU32GB4412	1	Cap-Bearing, Rotary
3	AU8HS13033	4	Seal-Shaft
4	AU8CF63007	2	Cup-Bearing
5	AU8CF63008	2	Cone-Bearing
6	AU32GB4465	1	Gear-Ring, Rotary
7	AU32GB4420	1	Spindle-Rotary
8	AU32GB4460	1	Pinion-Rotary
9	130-4512	1	Rotary Box Cover
10	3234-42	6	Screw-HHF
11	3253-23	6	Washer-Lock/Sp
12	AU8HH51510	6	Screw-HH
13	323-4	2	Screw-HH
14	AU8PP70008	1	Plug-Site Glass
15	302-52	2	Fitting-Grease
16	AU8PP75012	1	Plug-Magnetic, Hex
17	115-9793	1	Breather
18	AU8SM00502	1	Shim-Bearing Adjust (.005In Thick)

Carriage Guard and Mounting Assembly



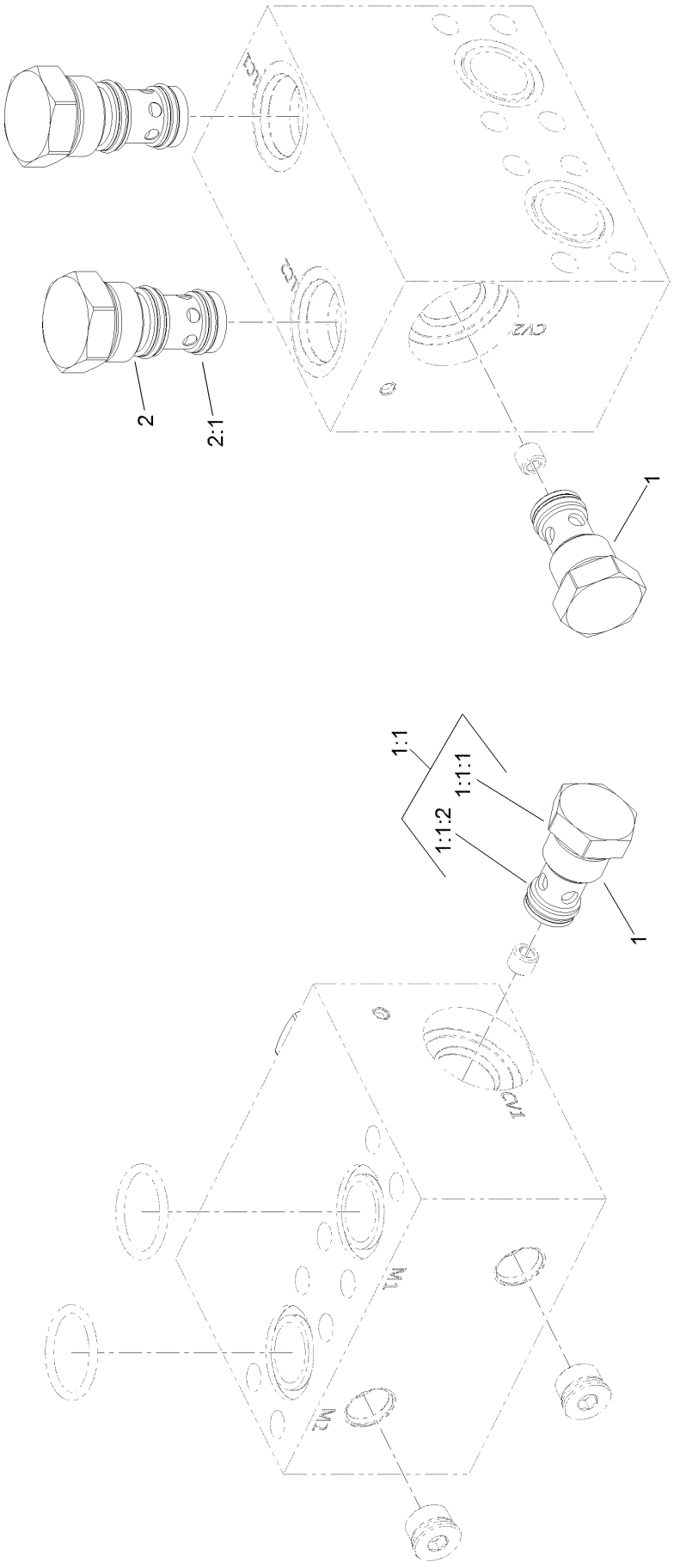
Carriage Guard and Mounting Assembly (continued)

Ref.	Part Number	Qty.	Description
3	AU8OL91616	2	Fitting-Elbow, 90
3:1	340-65	2	O-Ring
6	AU8OA81016	2	Fitting-Reducer
6:1	237-65	1	O-Ring
7	340-167	2	Fitting-HYD, Tee
7:1	237-65	2	O-Ring
8	106-0060	3	Adapter-HYD
8:1	340-65	2	O-Ring
9	92-7645	1	Fitting-Swivel, 90 DEG
9:1	340-65	1	O-Ring
12	340-2	3	Fitting-HYD, Straight
12:1	237-22	1	O-Ring
12:2	237-42	1	O-Ring
13	94-1444	3	Union-Bulkhead
13:1	237-21	2	O-Ring
14	340-151	1	Fitting-HYD
14:1	237-75	2	O-Ring
15	340-161	1	Fitting-Bulkhead
15:1	237-30	2	O-Ring
15:2	340-127	1	Nut-Bulkhead
16	340-104	1	Fitting-HYD, Tee
16:1	237-30	2	O-Ring
17	130-4501	1	Carriage Guard ASM
17:2	125-6107	2	Decal-Warning, Crushing
18	340-142	1	Fitting-HYD, 90 DEG
18:1	237-58	1	O-Ring
18:2	237-81	1	O-Ring
19	AU114285A1	2	HYD Flange Kit
19:1	121-3904	1	O-Ring
19:4		2	Flange-Half, Code 62 ■
22	340-128	5	Nut-Bulkhead
23	AU8OA91212	1	Fitting-Straight
23:1	237-58	1	O-Ring ●
23:2	237-81	1	O-Ring ●
24	340-126	1	Nut-Bulkhead
25	340-78	5	Nut-Lock
26	AU118010-03	1	Mount-Hose Carrier, Rotary
27	3234-42	5	Screw-HHF
28	33104-025	8	Screw-HHF
29	104-3082	8	Nut-Lock, HHF
30	103-7706	2	Grommet
31	AU119009-03	1	Plate-Support, Guard
32	3253-6	8	Washer-Lock
33	131-9032	1	HYD Hose
34	131-9031	1	HYD Hose
35	127-0886	1	Spike Clipper Manifold ASM
36	133-9625	8	Screw-HH
37	133-9495	2	Fitting-Elbow 90 Degree
37:1	340-65	1	O-Ring
38	131-9029	1	HYD Hose
39	131-9030	1	Hose ASM-HYD
40	121-3904	2	O-Ring
43	3253-7	8	Washer-Lock

● Not illustrated

■ Not serviced separately

Spike Clipper Manifold Assembly No. 127-0886

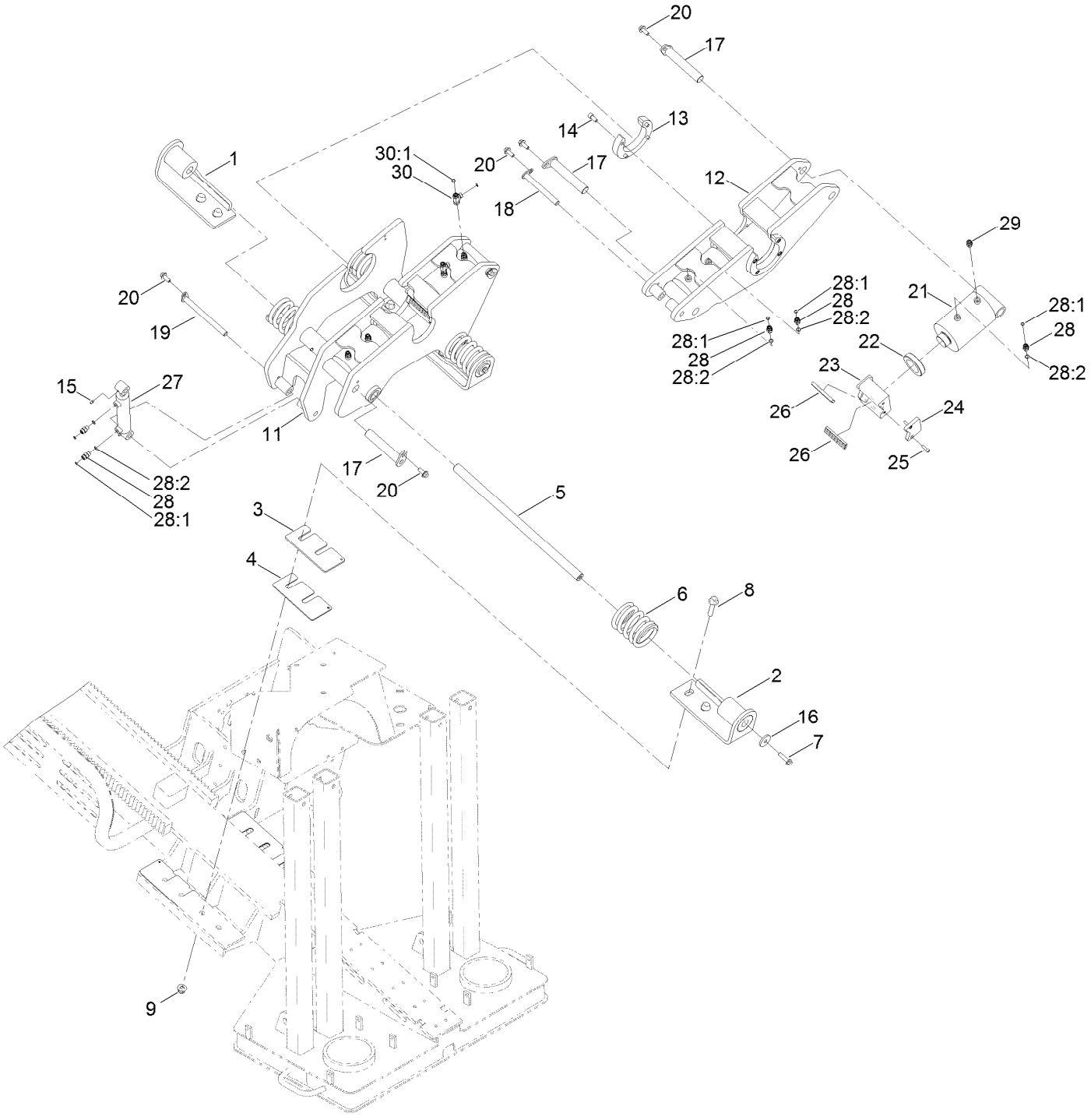


Spike Clipper Manifold Assembly No. 127-0886 (continued)

Ref.	Part Number	Qty.	Description
1	125-4328	2	Valve-Check
1:1	125-4336	1	Seal Kit
1:1:1		1	O-Ring (-912) ●
1:1:2		1	O-Ring (-115) ●
2	136-1596	2	Valve-Logic Element
2:1	136-1595	1	Seal Kit

● Not serviced separately

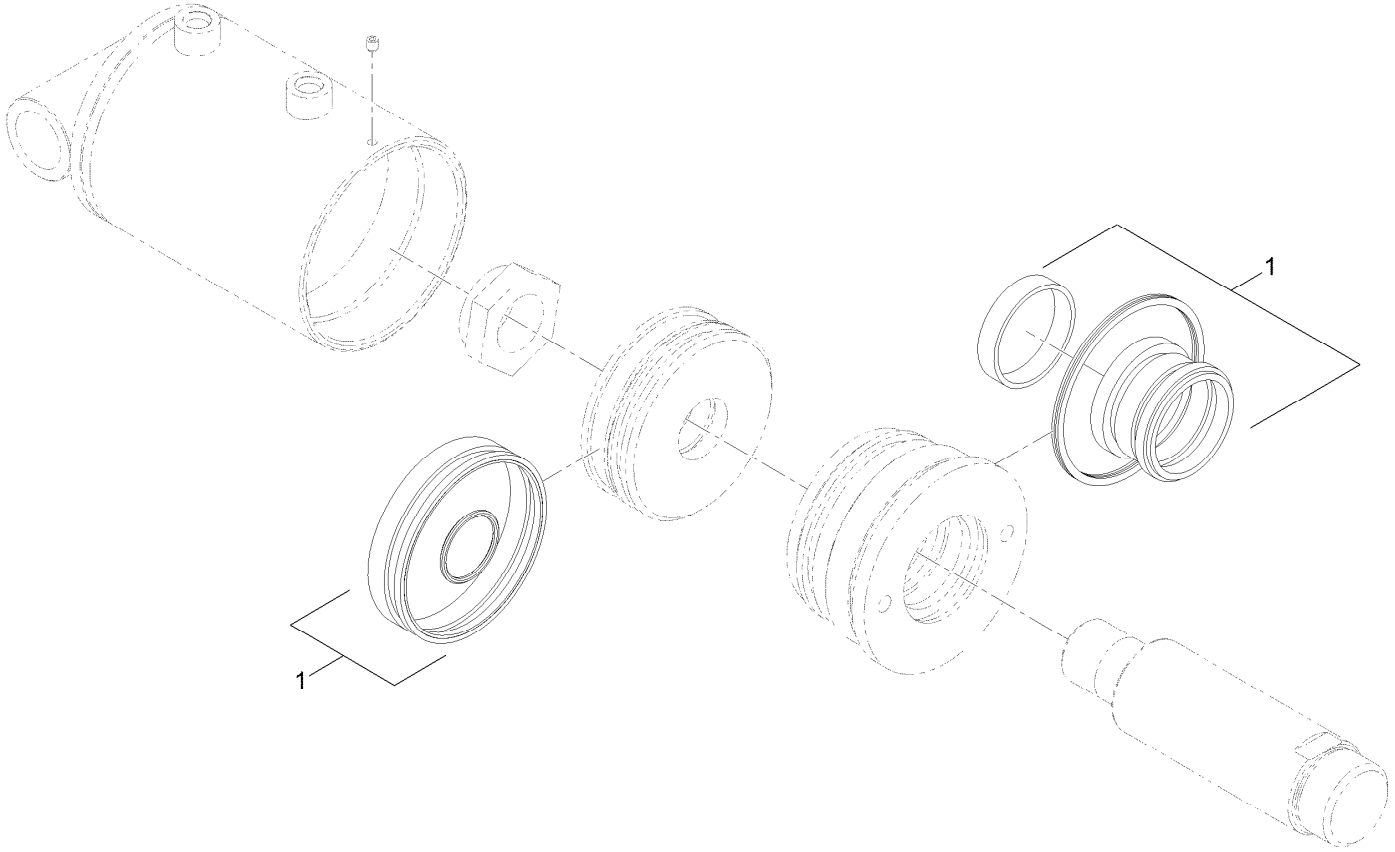
Front Wrench Assembly



Front Wrench Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU123857-03	2	Bracket-Mounting, Wrench
2	AU123858-03	2	Bracket-Mounting, Wrench
3	AU123875-03	4	Shim-Plate, Wrench
4	AU123846-03	4	Shim-Plate, Wrench
5	AU123860	2	Pin-Wrench
6	AU123859	4	Spring-Compression
7	AU100348	4	Screw-HHF
8	AU100364	8	Screw-Flange
9	AU100529	8	Nut-HHF
11	130-4505-03	1	Front Wrench ASM
12	125-6514-03	1	Rear-Wrench
13	AU119038-03	2	Guide-Wrench
14	93-8752	8	Screw-HSH
15	302-57	6	Fitting-Grease
16	AU495-81269	4	Washer-Flat
17	AU119056	4	Pin-W/Flag
18	AU32GB6225	1	Pin-Retainng
19	AU32GB6226	1	Pin-Retaining
20	33106-030	6	Screw-HHF
21	AU116939	4	HYD Cylinder ASM
22	AU32GB6010-03	4	Bushing-Cylinder
23	AU119049	4	Holder-Die, Wrench
24	AU119046-03	8	Retainer-Die, Wrench
25	98-5828	16	Screw-HSH
26	AU305643	8	Tong-Die
27	AU8HC10007	1	HYD Cylinder ASM
28	340-2	8	Fitting-HYD, Straight
28:1	237-22	1	O-Ring
28:2	237-42	1	O-Ring
29	AU126449	2	Fitting-Orifice
30	340-115	2	Fitting-Tee, Swivel Nut
30:1	237-22	2	O-Ring

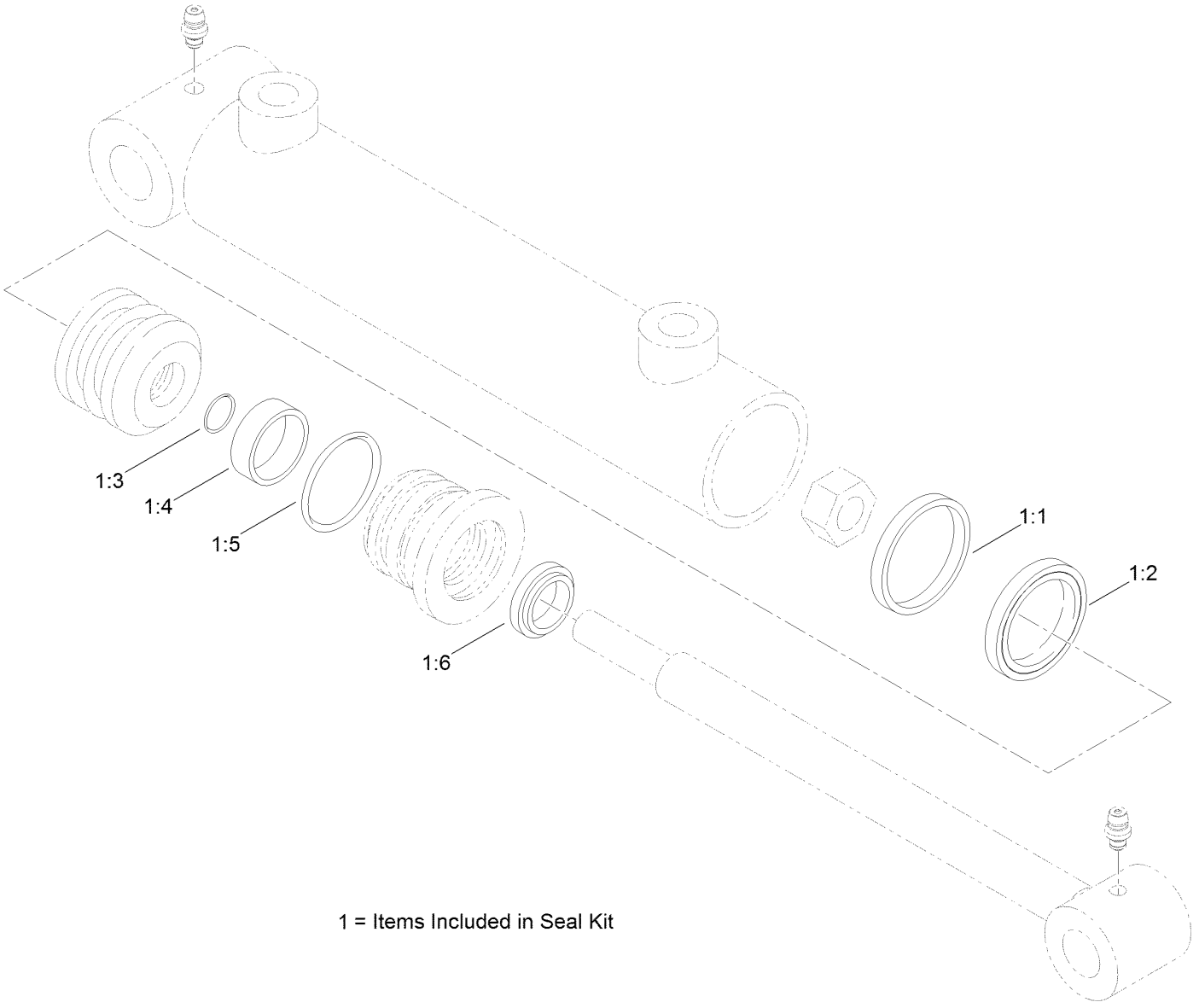
Hydraulic Cylinder Assembly No. AU116939



Hydraulic Cylinder Assembly No. AU116939 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	AU118200	1	Seal Kit

Hydraulic Cylinder Assembly No. AU8HC10007



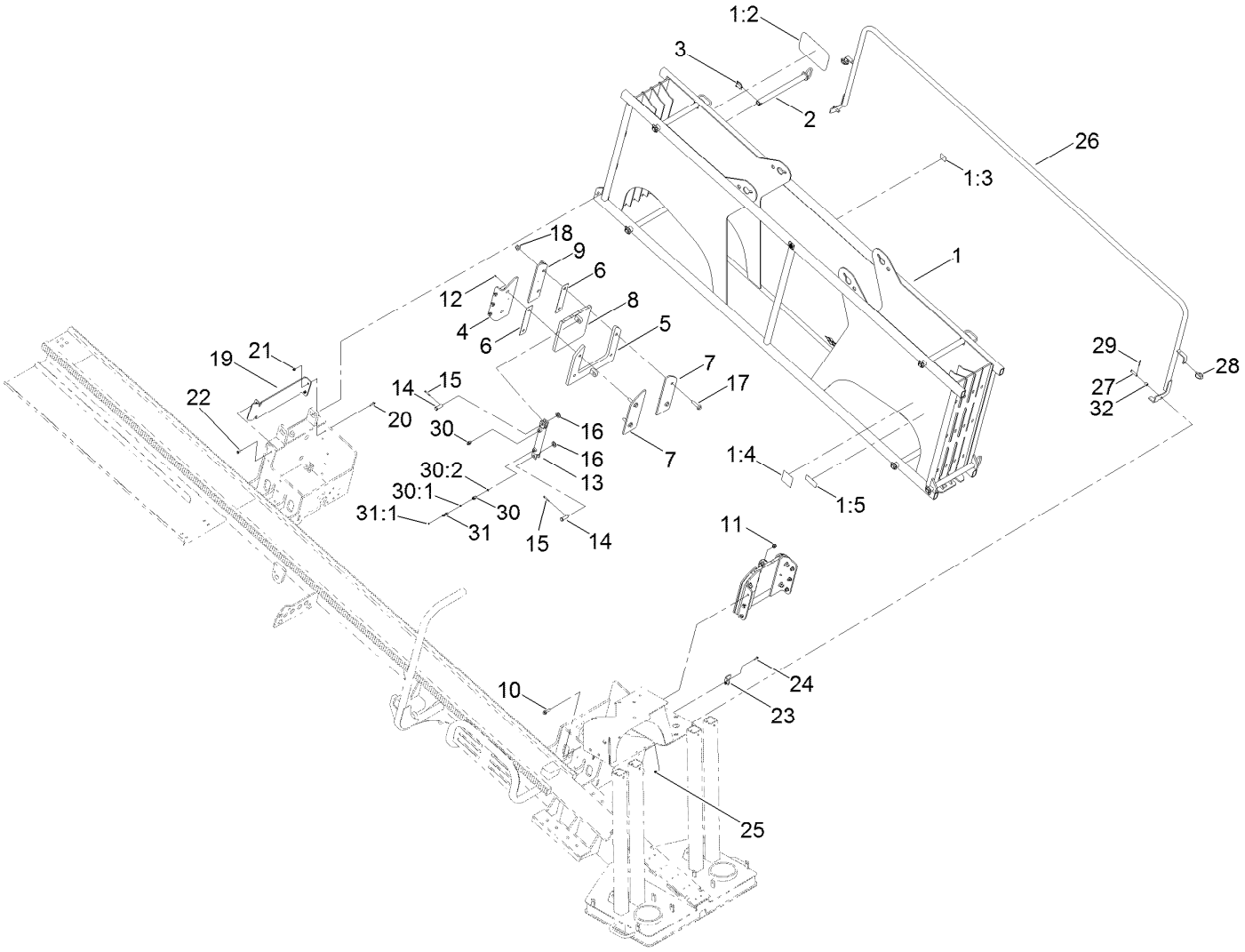
1 = Items Included in Seal Kit

Hydraulic Cylinder Assembly No. AU8HC10007 (continued)

Ref.	Part Number	Qty.	Description
1	AU8HC10007-1	1	Seal Kit
1:1		1	Ring-Wear ●
1:2		1	Seal-Psp ●
1:3		1	O-Ring ●
1:4		1	O-Ring ●
1:5		1	Seal-Polypak ●
1:6		1	Wiper-Rod ●

● Not serviced separately

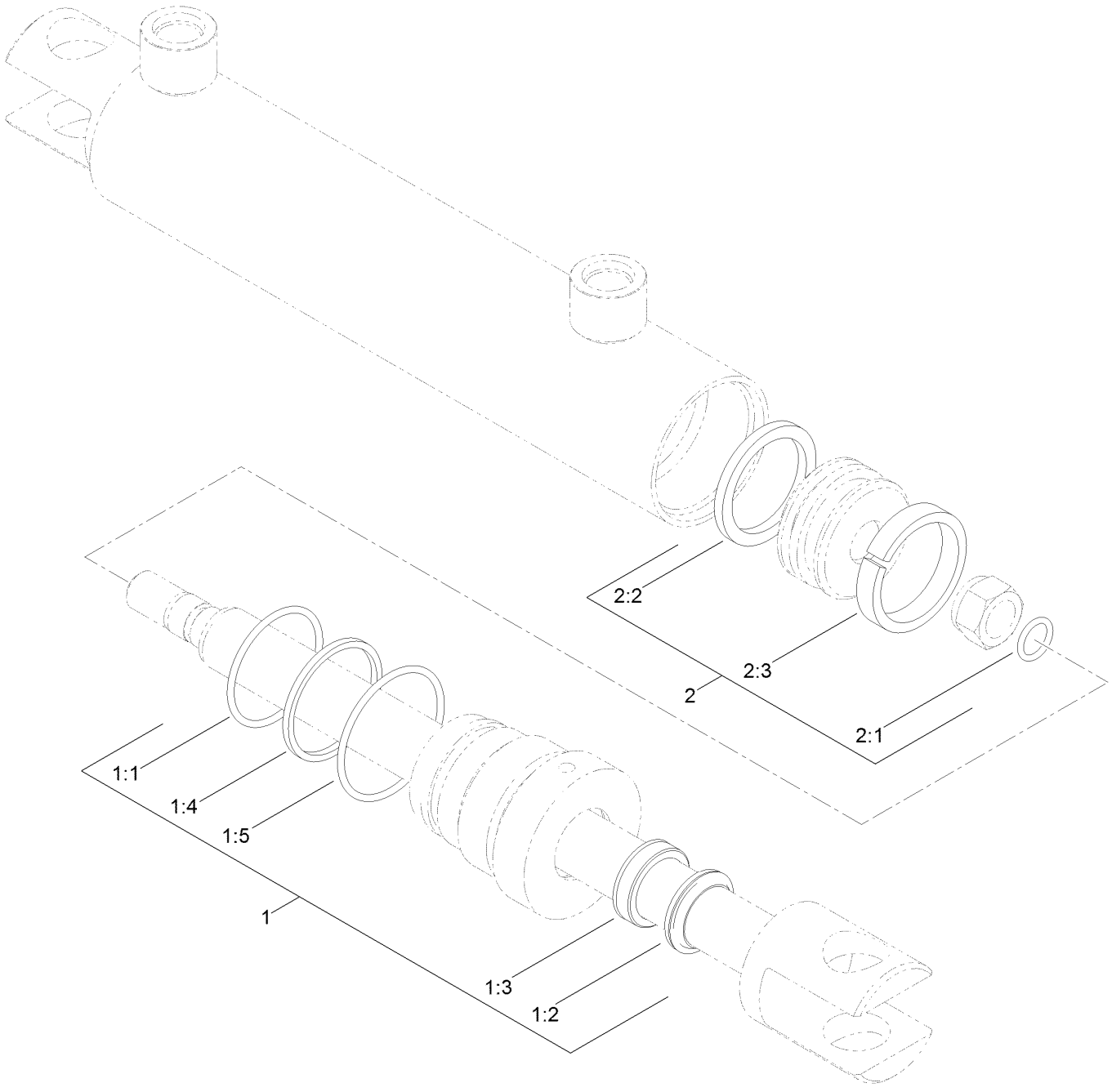
Rod Box Assembly



Rod Box Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-0935	1	Rod Box ASM
1:2	105-4222	1	Decal
1:3	125-6151	2	Decal-Weight, Rod Basket
1:4	125-6107	1	Decal-Warning, Crushing
1:5	125-6119	1	Decal-Danger, Entanglement
2	AU118075-01	6	Pin-Rod Box
3	AUD130037	6	Pin-Klik
4	AU118322-03	2	Plate-Mounting, Elevator
5	AU121928-03	2	Plate-Elevator
6	AU118323-03	4	Plate-Shim, Elevator
7	AU118325-03	4	Plate-Support, Elevator
8	AU121929-03	2	Mount-Cylinder, Elevator
9	AU118326-03	2	Plate-Mounting, Elevator
10	AU100347	12	Screw-HHF
11	AU100528	12	Nut-HHF, Lock
12	302-57	4	Fitting-Grease
13	AU118214	2	HYD Cylinder ASM
14	AUH30262	4	Pin-Clevis
15	3272-30	4	Pin-Cotter
16	3256-28	4	Washer-Flat
17	AU100363	8	Screw-HHF
18	AU100529	8	Nut-HHF
19	AU118917-03	2	Deflector
20	33104-035	4	Screw-HHF
21	104-3082	4	Nut-Lock, HHF
22	33104-030	4	Screw-HHF
23	AU119037-03	1	Bracket-Angle, Rod Ldr Guard
24	33103-025	2	Screw-HHF
25	81-0130	2	Nut-Flange, NI
26	AU119031-01	1	Guard
27	AU109964	2	Pin-Clevis
28	283-71	2	Pin-Lynch
29	3272-19	2	Pin-Cotter
30	340-1	4	Fitting-HYD, Straight
30:1	237-21	1	O-Ring
30:2	237-42	1	O-Ring
31	AU111506	2	Fitting-Straight
31:1	237-21	1	O-Ring
32	57-4230	1	Spacer-Tubular

Hydraulic Cylinder Assembly No. AU118214

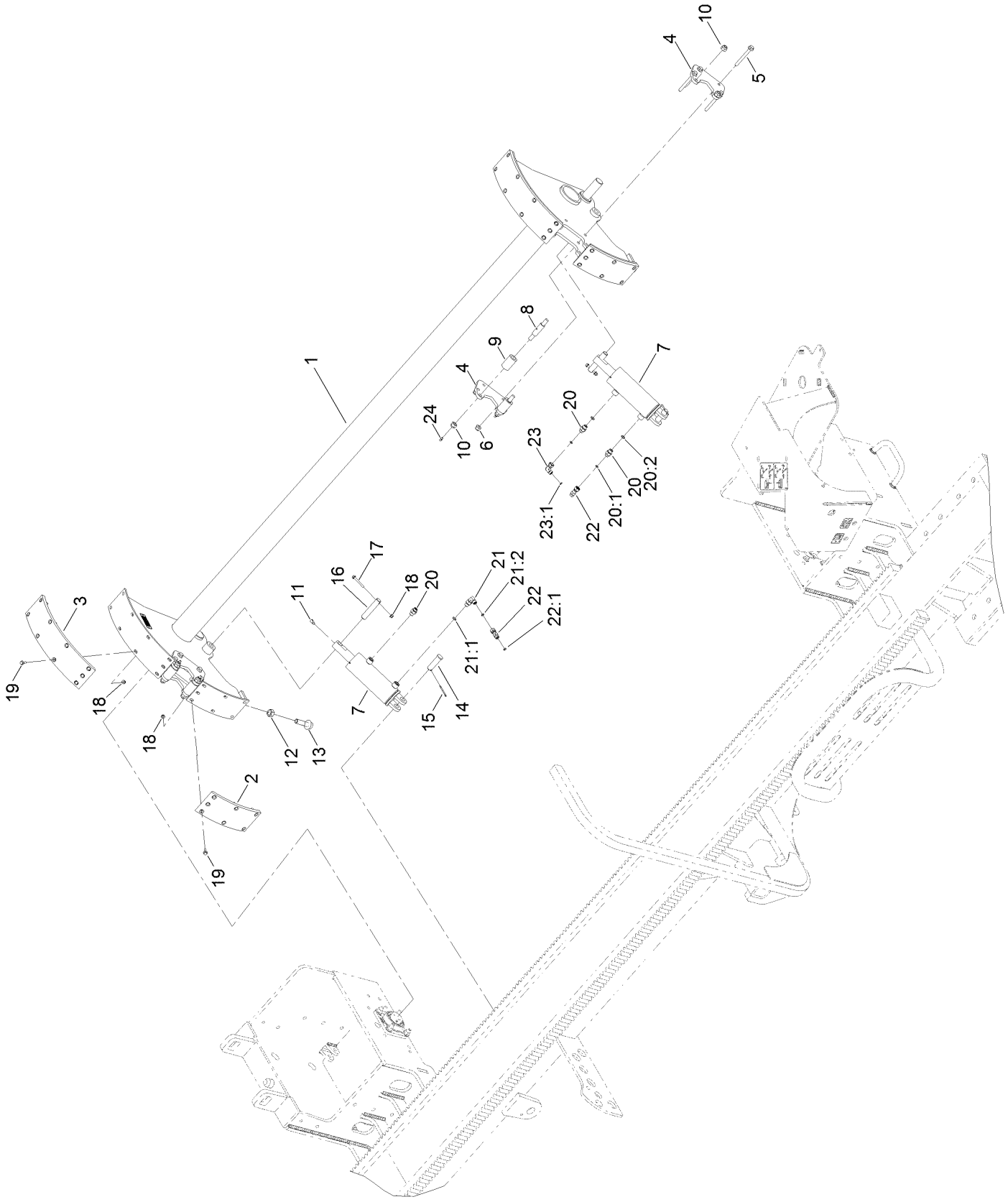


Hydraulic Cylinder Assembly No. AU118214 (continued)

Ref.	Part Number	Qty.	Description
1	131-0170	1	Gland Seal Kit
1:1		1	O-Ring ●
1:2		1	Seal-Wiper, Rod ●
1:3		1	Seal-Rod ●
1:4		1	Ring-Back Up ●
1:5		1	O-Ring ●
2	131-0171	1	Piston Seal Kit
2:1		1	O-Ring ●
2:2		1	Seal-Psp ●
2:3		1	Ring-Wear ●

● Not serviced separately

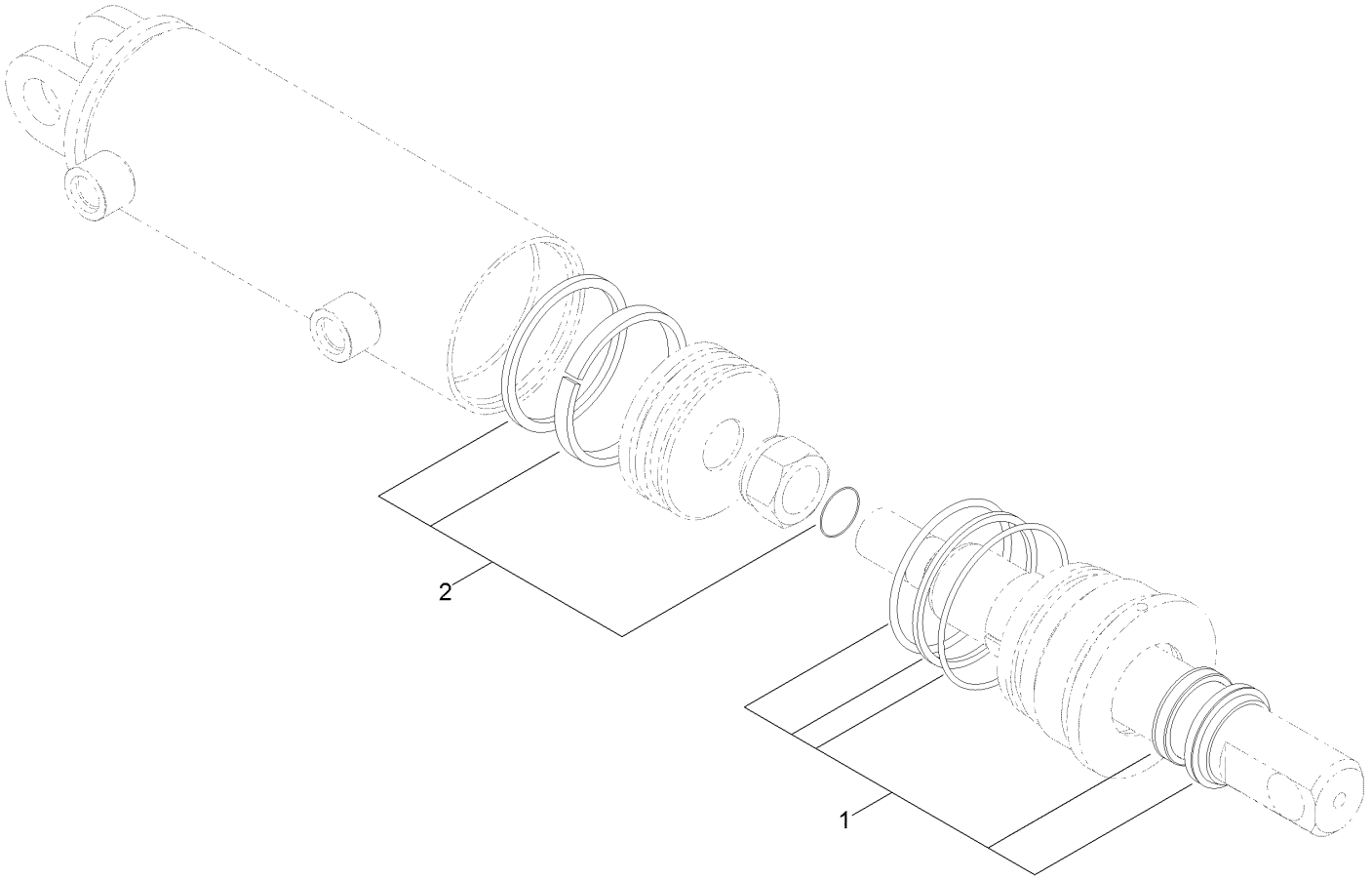
Rod Loader Cam Assembly



Rod Loader Cam Assembly (continued)

Ref.	Part Number	Qty.	Description
1	131-0139	1	Rod Loader Cam
2	AU117305	2	Pad-Wear, Rod Loader (Short)
3	AU117284	2	Pad-Wear, Rod Loader (Long)
4	AU117358-03	4	Plate-Holder, Pipe
5	33105-090	8	Screw-HHF
6	103-9511	8	Nut-Lock, NI
7	AU120606	2	HYD Cylinder ASM
8	AU117339	4	Shaft-Roller, Pipe
9	AU117340	4	Tube-Roller
10	AU232-4118	8	Nut-Hex
11	302-40	2	Fitting-Grease, 90 DEG
12	33018-00	2	Nut-Hex
13	33108-060	2	Screw-HHF
14	AU109885	2	Pin-Clevis
15	3272-19	2	Pin-Cotter
16	AU117427	2	Pin-Straight
17	33103-050	2	Screw-HHF
18	81-0130	34	Nut-Flange, NI
19	33103-025	32	Screw-HHF
20	340-1	3	Fitting-HYD, Straight
20:1	237-21	1	O-Ring
20:2	237-42	1	O-Ring
21	340-82	1	Fitting-HYD, 90
21:1	237-42	1	O-Ring
21:2	237-21	1	O-Ring
22	AU111506	2	Fitting-Straight
22:1	237-21	1	O-Ring
23	92-2745	1	Fitting-Adaptor
23:1	237-21	1	O-Ring
24	302-57	4	Fitting-Grease

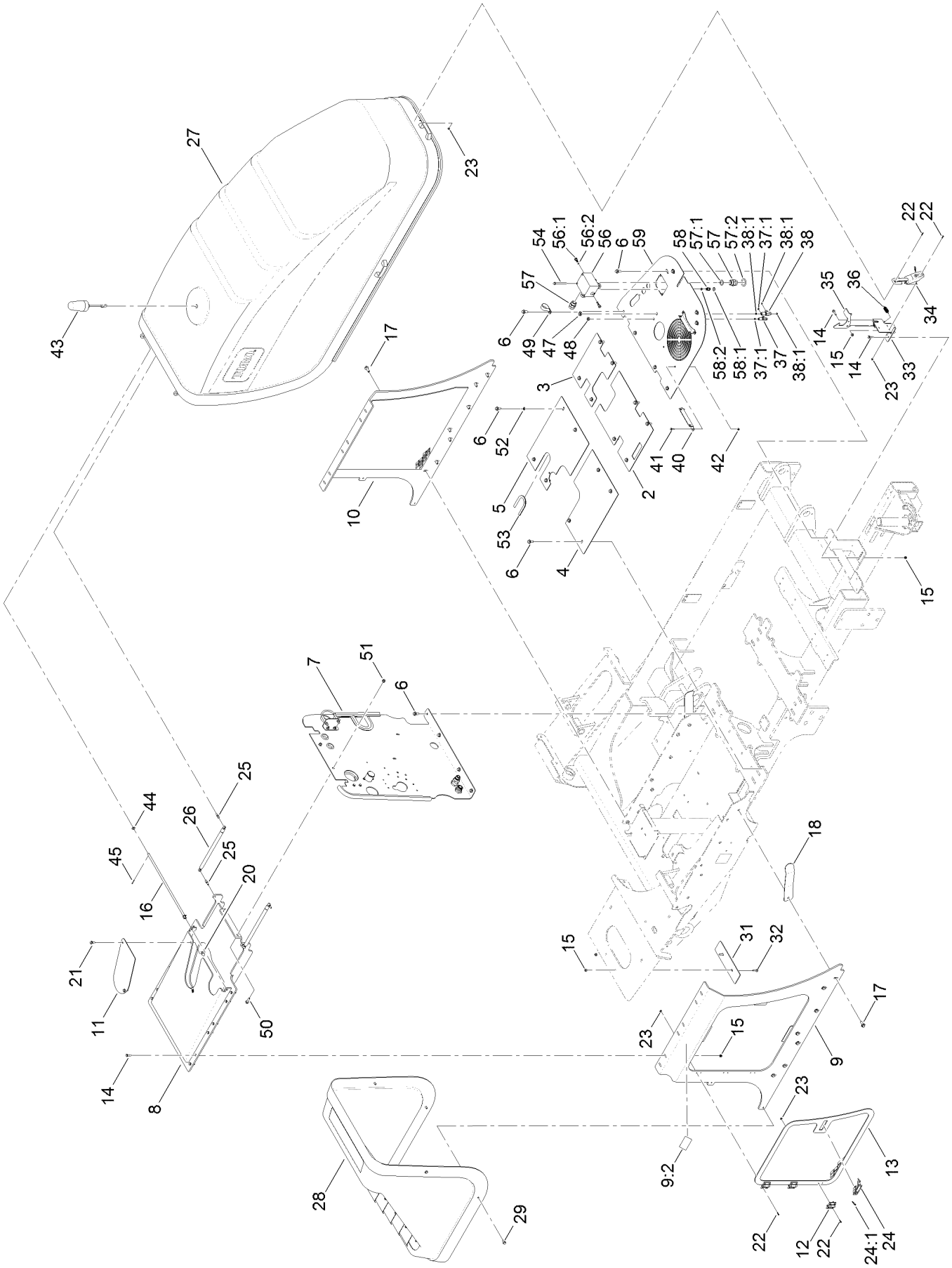
Hydraulic Cylinder Assembly No. AU120606



Hydraulic Cylinder Assembly No. AU120606 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	AU124046	1	Gland Seal Kit
2	AU124048	1	Piston Seal Kit

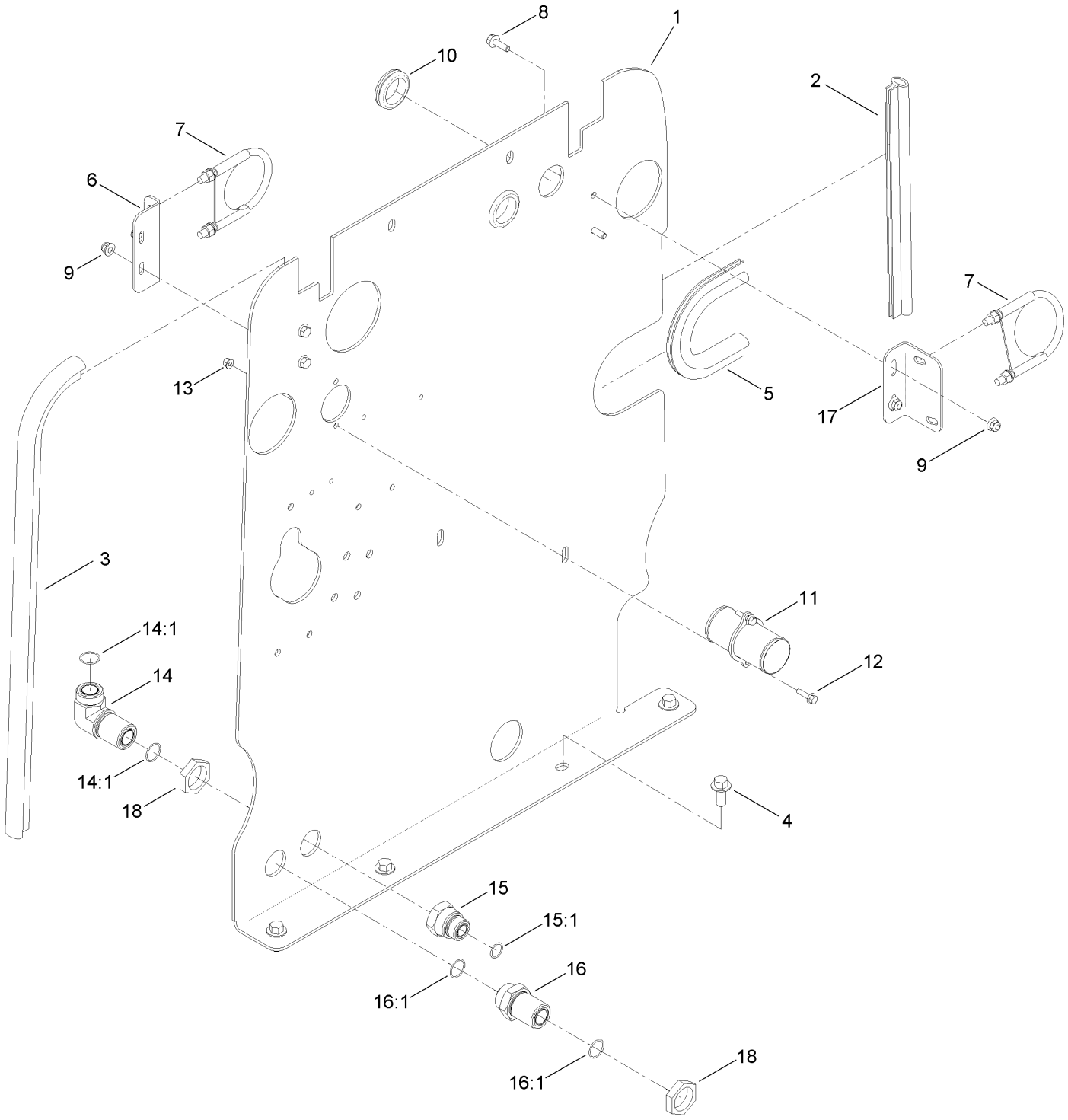
Hood Assembly



Hood Assembly (continued)

Ref.	Part Number	Qty.	Description
2	AU130551-03	1	Plate-Seal, Hood
3	AU130552-03	1	Plate-Seal, Hood
4	AU116572-03	1	Plate-Hood Seal
5	AU116573-03	1	Plate-Hood Seal
6	33106-020	24	Screw-HHF
7	127-5263	1	Bulk Head ASM
8	AU130383-03	1	Mounting-Hood
9	127-0938	1	Hood Mounting ASM
9:2	125-6129	1	Decal-Warning, Hot Surface
10	AU130385-03	1	Mount-Hood
11	AU130648-03	1	Plate-Cover
12	AU123695	3	Hinge
13	AU130630-03	1	Door-Side
14	33104-035	15	Screw-HHF
15	104-3082	20	Nut-Lock, HHF
16	AU118537	1	Pin-Mount, Hood
17	33106-035	14	Screw-HHF
18	AU32GB5016-03	2	Guide-Hood
20	AU100863	2	Nut-U
21	108-1531	2	Screw-HHF
22	360-0137	17	Screw-PRH
23	32149-8	17	Nut-Keps
24	AU50GB2302	1	Latch-Trigger, Raised (W/Lock)
24:1	131-0148	1	Key-Replacement
25	AU8HH96100	4	Stud-Ball
26	AU32GB5110	2	Spring-Gas
27	136-1554	1	Front Hood ASM
28	AU118302	1	Rear Hood ASM
29	93-2569	4	Screw-HHF
31	AU119331-03	1	Plate-Sandwich, Hood Stop
32	33104-030	2	Screw-HHF
33	AU118512-03	1	Mount-Hood, Safety Latch
34	AU130765	1	Latch-Draw, Lockable
35	AU111869-03	1	Hook-Hood, Safety Latch
36	AU112966	1	Spring-Tension
37	AU8OR90404	1	Fitting-Tee
37:1	237-21	3	O-Ring
38	340-68	1	Fitting-Tee, Bulkhead
38:1	237-22	3	O-Ring
40	AU124320-03	2	Plate-Mount, Fan
41	33103-025	4	Screw-HHF
42	81-0130	4	Nut-Flange, NI
43	125-4528	1	Light-Strobe
44	110-7191	2	Washer-Thrust
45	3272-11	2	Pin-Cotter
47	340-70	1	Nut-Lock
48	340-78	1	Nut-Lock
49	127-0518	1	Clamp-R
50	33105-035	2	Screw-HHF
51	103-9511	2	Nut-Lock, NI
52	3255-2	1	Washer-Lock, EXT
53	127-5316	1	Trim-Tank
54	AU100328	3	Screw-HHF
56	131-9035	1	Manifold-Valve, Check Clipper Spike
56:1	136-1592	2	Valve-Poppet, Check N.C.
56:2	136-1593	2	Seal Kit
57	104-3797	4	Fitting-HYD, Straight
57:1	237-146	1	O-Ring
57:2	340-65	1	O-Ring
58	340-2	2	Fitting-HYD, Straight
58:1	237-22	1	O-Ring
58:2	237-42	1	O-Ring
59	131-9037-03	2	Plate-Bulkhead

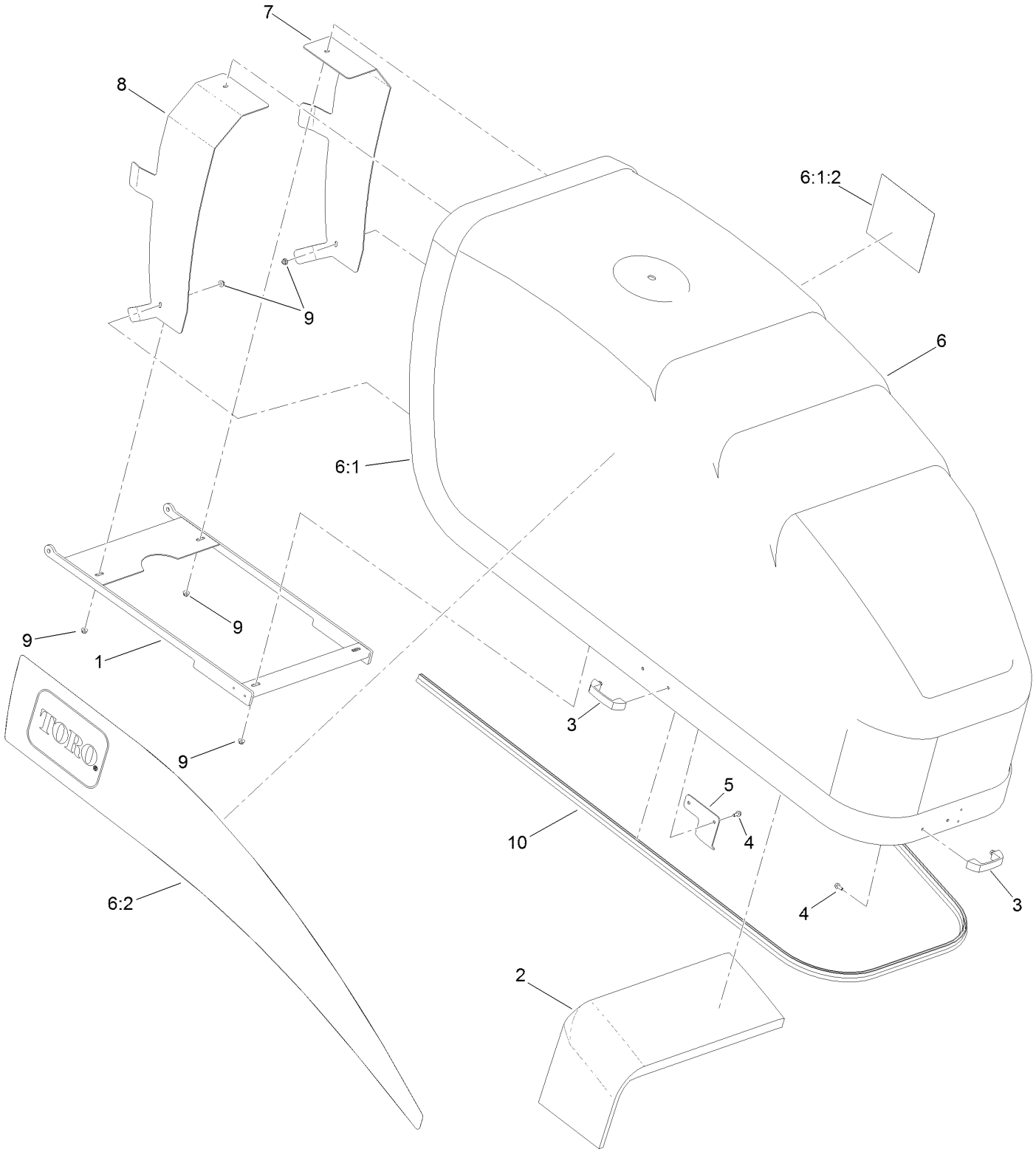
Bulkhead Assembly No. 127-5263



Bulkhead Assembly No. 127-5263 (continued)

Ref.	Part Number	Qty.	Description
1	127-0939	1	Bulk Head ASM
2	127-5302	1	Seal-Bulb, LH
3	127-5301	1	Seal-Bulb, RH
4	33106-020	4	Screw-HHF
5	127-5300	1	Seal-Bulb
6	AU120221-03	1	Plate-Support, Exhaust
7	AU8NG28118	2	Clamp-Guillotine
8	33104-025	4	Screw-HHF
9	104-3082	4	Nut-Lock, HHF
10	103-7706	2	Grommet
11	AU120224-03	1	Tube-Bulkhead, Radiator
12	33103-025	2	Screw-HHF
13	81-0130	2	Nut-Flange, NI
14	AU8OL91616	1	Fitting-Elbow, 90
14:1	340-65	2	O-Ring
15	AU8OA81216	1	Fitting-Reducer
15:1	237-58	1	O-Ring
16	106-0060	1	Adapter-HYD
16:1	340-65	2	O-Ring
17	AU130659-03	1	Plate-Support, Charge Air
18	340-128	2	Nut-Bulkhead

Front Hood Assembly No. 136-1554

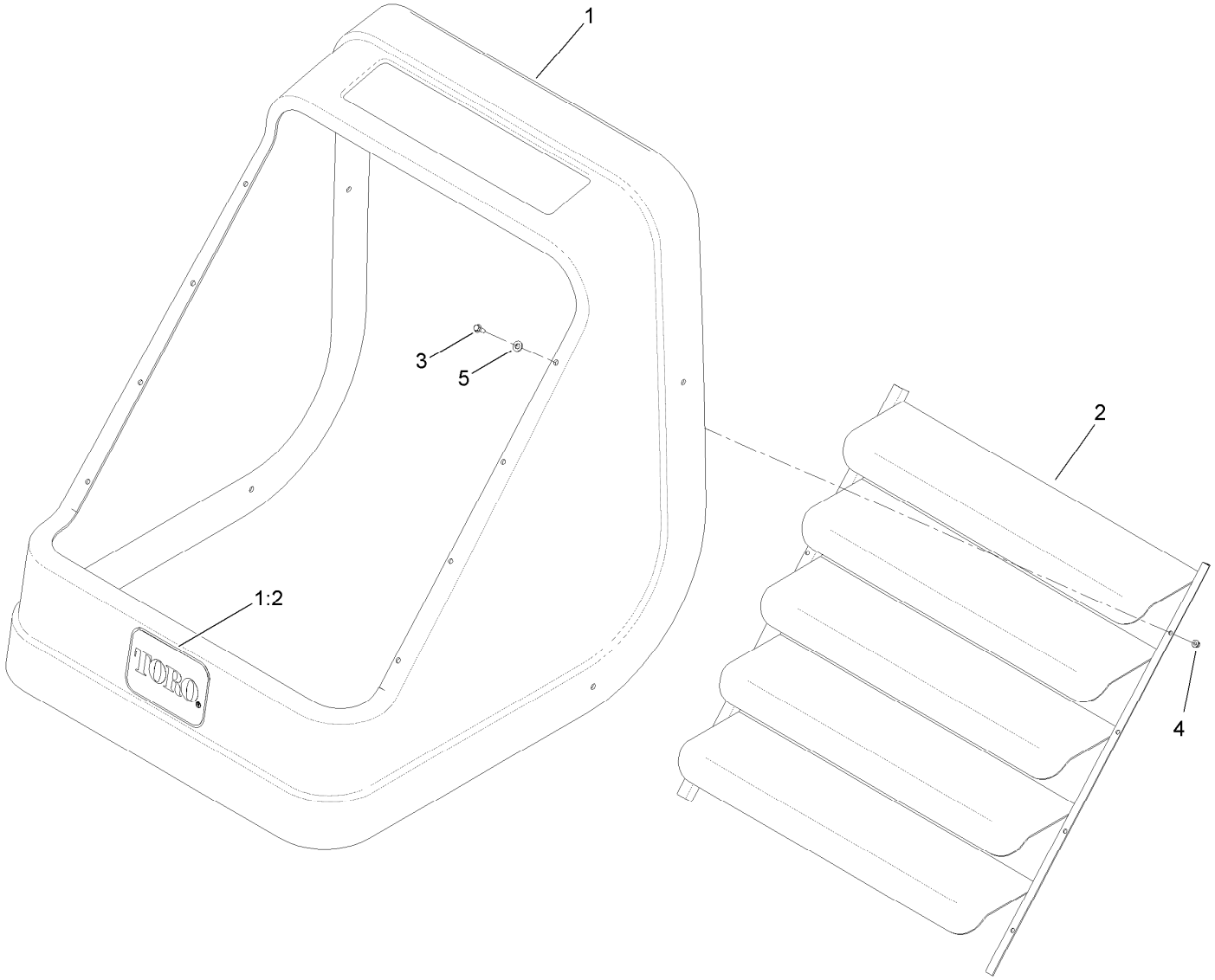


Front Hood Assembly No. 136-1554 (continued)

Ref.	Part Number	Qty.	Description
1	AU118730	1	Hinge-Hood, Front
2	127-0955	1	Foam-Hood, Reflective
3	AU104854	2	Handle-Grab
4	33104-020	4	Screw-HHF
5	AU121776	1	Guide-Hood, Front
6	136-1555	1	Front Hood And Decal ASM
6:1		1	Hood-Front ●
6:1:2	130-4496	1	Screen-Hood, Front
6:2	125-6154	1	Decal-Dd 4050
7	AU123306	1	Plate-Catch, Hood
8	AU123307	1	Plate-Catch, Hood
9	104-8301	6	Nut-Flange, NI
10	130-4548	1	Seal-Bulb

● Not serviced separately

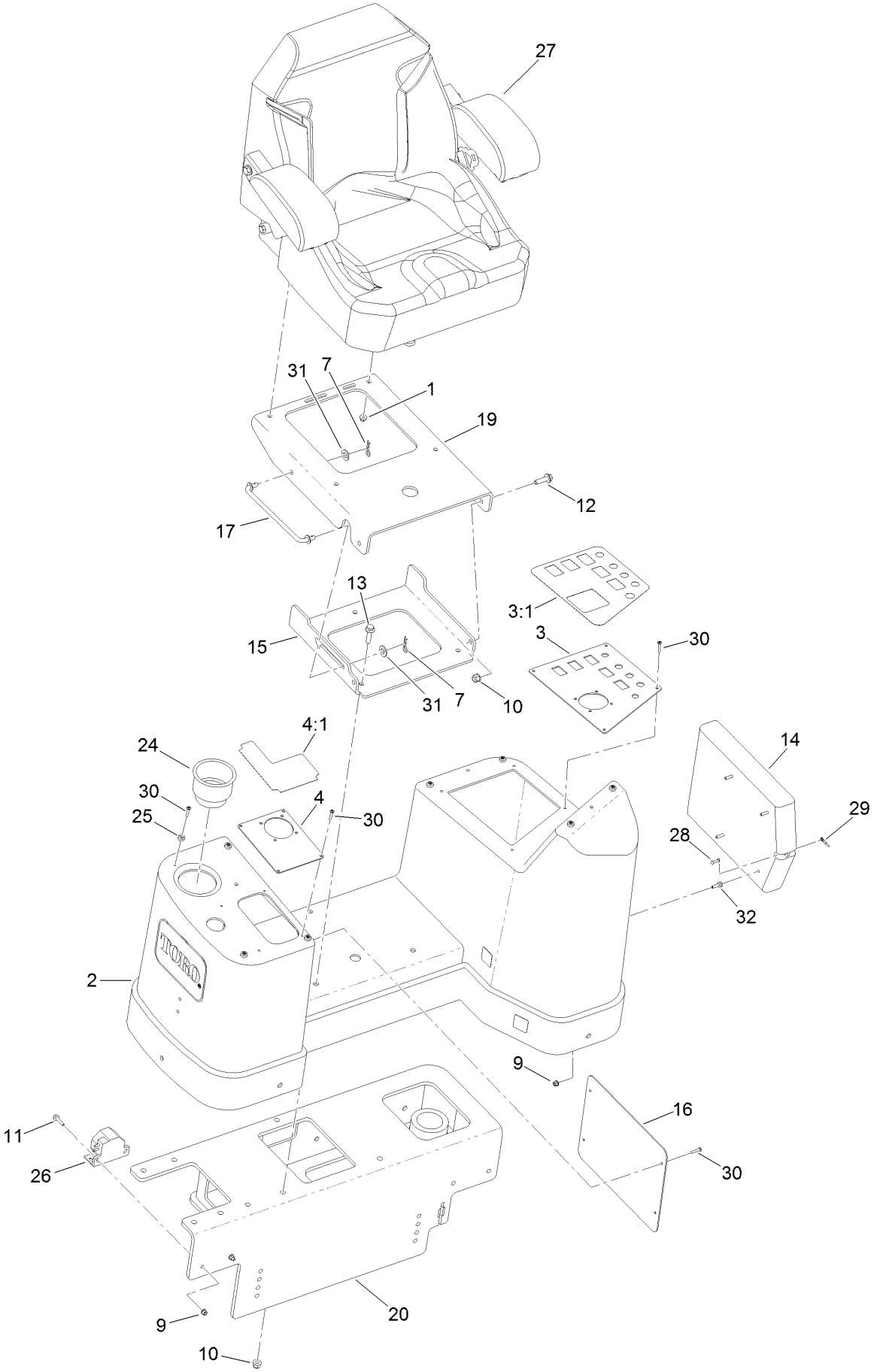
Rear Hood Assembly No. AU118302



Rear Hood Assembly No. AU118302 (continued)

Ref.	Part Number	Qty.	Description
1	130-4476	1	Rear Hood ASM
1:2	62-7400	1	Decal
2	AU118366-03	1	Louver-Hood, Rear
3	33103-020	8	Screw-HHF
4	120-9645	8	Nut-HHF
5	3256-38	8	Washer-Flat

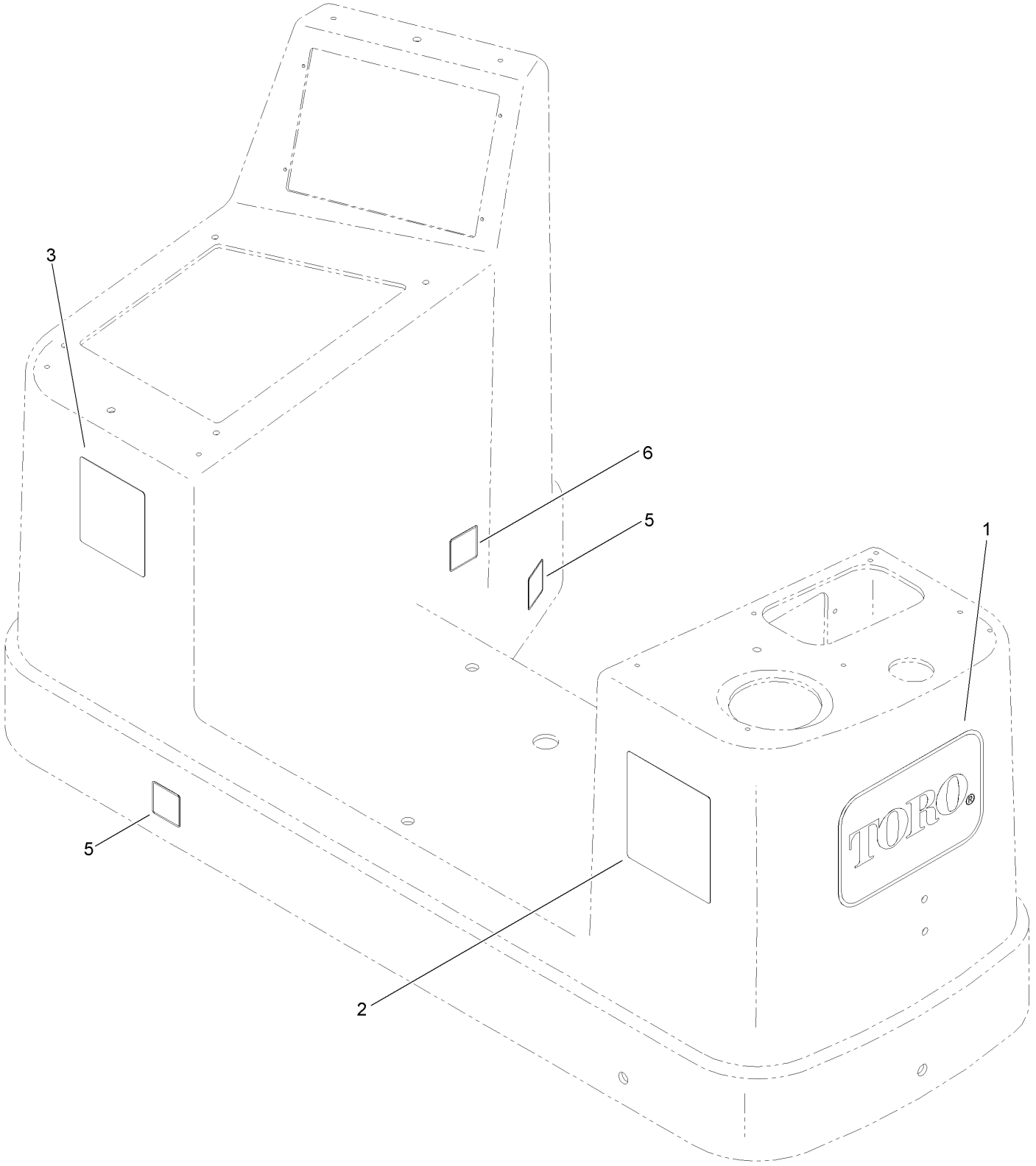
Operator Platform Assembly



Operator Platform Assembly (continued)

Ref.	Part Number	Qty.	Description
1	104-8300	4	Nut-Flange, NI
2	127-0900	1	Operator Console ASM
3	127-0901	1	Switch Plate ASM
3:1	125-6142	1	Decal-Left Joystick, Dd4045
4	127-0902	1	Joystick Mounting Plate ASM
4:1	125-6125	1	Decal-Joystick, Right
7	3290-467	2	Pin-Hair
9	81-0130	6	Nut-Flange, NI
10	103-9511	5	Nut-Lock, NI
11	33103-030	2	Screw-HHF
12	33105-035	2	Screw-HHF
13	33105-040	3	Screw-HHF
14	AU103216	1	Holder-Manual
15	AU108632-03	1	Plate-Seat Mount, Bottom
16	AU108634-03	1	Plate-Seat, Inside Panel
17	AU109357	1	Rod-Prop, Seat
19	AU117641-03	1	Plate-Seat Mount, Top
20	AU125016-03	1	Console-Operators
24	AU8EO24121	1	Cup-Holder
25	AU8EO24122	8	Grommet-Rubber
26	AU8EP29105	1	Alarm-Backup
27	133-6211	1	Seat-Toro, Standard
28	AUR46463	1	Post-Manual
29	AUR46465	1	Lanyard
30	ST80070	20	Screw-PPH
31	AU496-21053	2	Washer-Flat
32	33103-020	4	Screw-HHF

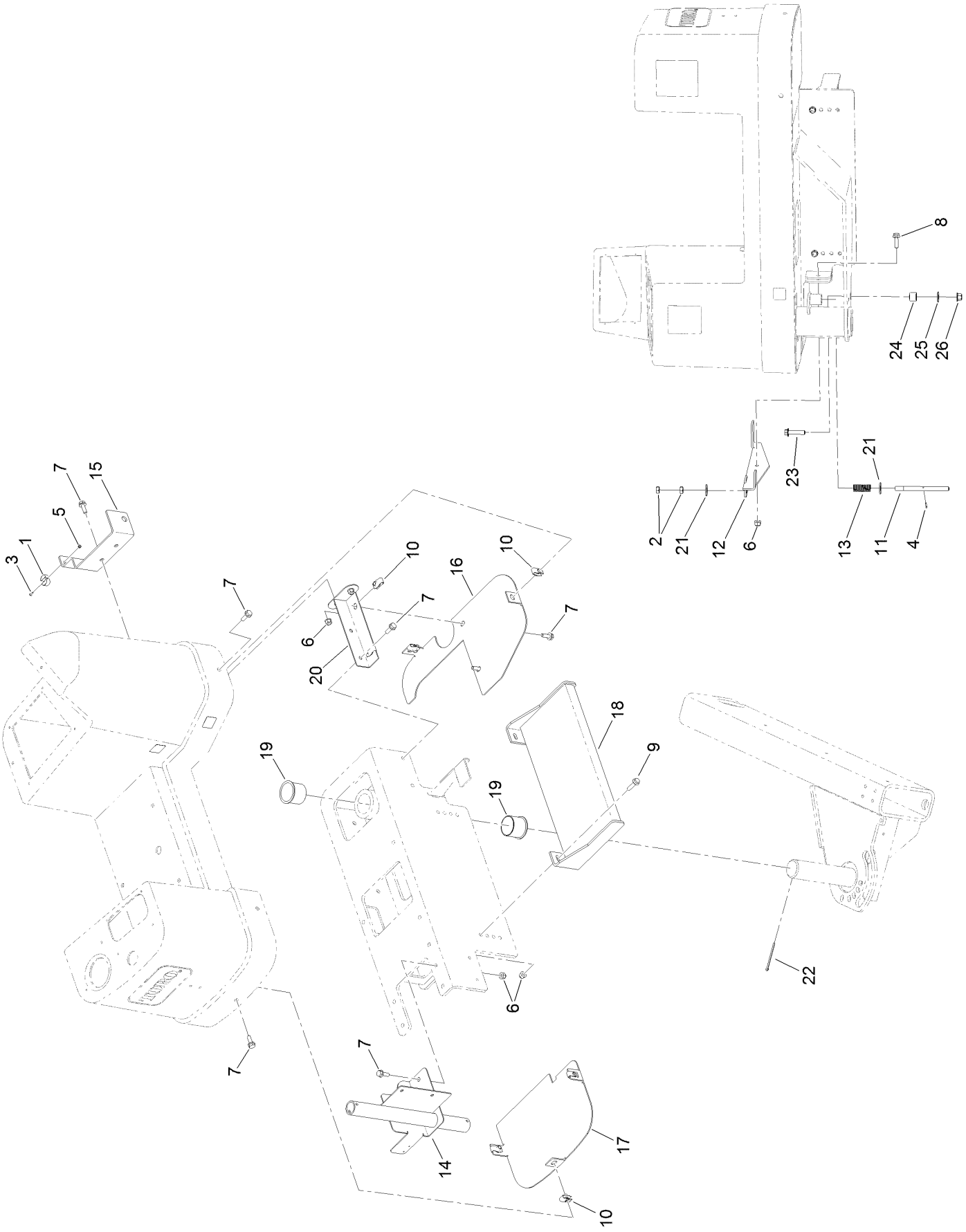
Operator Console Assembly No. 127-0900



Operator Console Assembly No. 127-0900 (continued)

Ref.	Part Number	Qty.	Description
1	62-7400	1	Decal
2	125-6109	1	Decal-Danger, Shock
3	125-6116	1	Decal-Danger, No Riders (Front)
5	125-6140	2	Decal-Seat Adjust
6	125-6152	1	Decal-Seat Slide

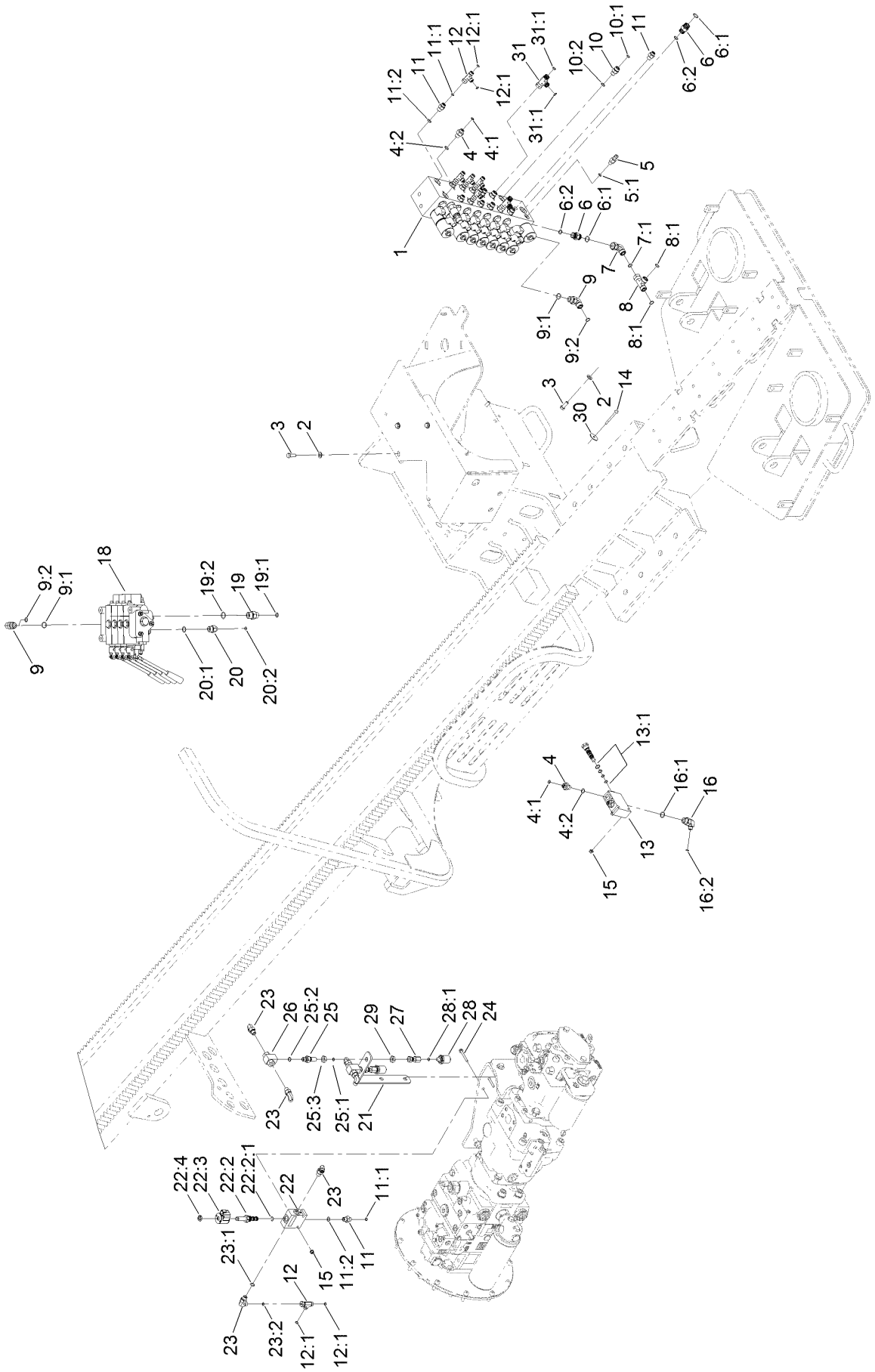
Operator Console Assembly



Operator Console Assembly (continued)

Ref.	Part Number	Qty.	Description
1	110-5677	2	Clip-Spring
2	3218-5	2	Nut-Jam
3	3249-3	2	Screw-PRH
4	3272-11	1	Pin-Cotter
5	32149-6	2	Nut-Keps
6	103-9511	7	Nut-Lock, NI
7	33105-030	13	Screw-HHF
8	33105-035	1	Screw-HHF
9	33105-040	2	Screw-HHF
10	AU100863	7	Nut-U
11	AU108909	1	Rod-Swing, Seat
12	AU108997-03	1	Arm-Adjustment, Seat
13	AU109011	1	Spring-Pivot Lock, Seat
14	AU114805-03	1	Mount-Umbrella
15	AU115236-03	1	Plate-Retaining, Cord
16	AU125024-03	1	Plate-Guard, Splash
17	AU125042-03	1	Plate-Guard, Splash
18	AU12GB9202-03	1	Step
19	AU12GB9215	2	Bearing-Flanged
20	AU12GB9228-03	1	Support-Shroud, Left
21	AU495-81163	2	Washer-Flat
22	AU432-1248	1	Pin-Cotter
23	33106-050	1	Screw-HHF
24	131-3402	1	Spacer
25	3256-5	1	Washer-Flat
26	115-1115	1	Nut-Lock, HHF

9 Section and 4 Spool Hydraulic Valve Assembly

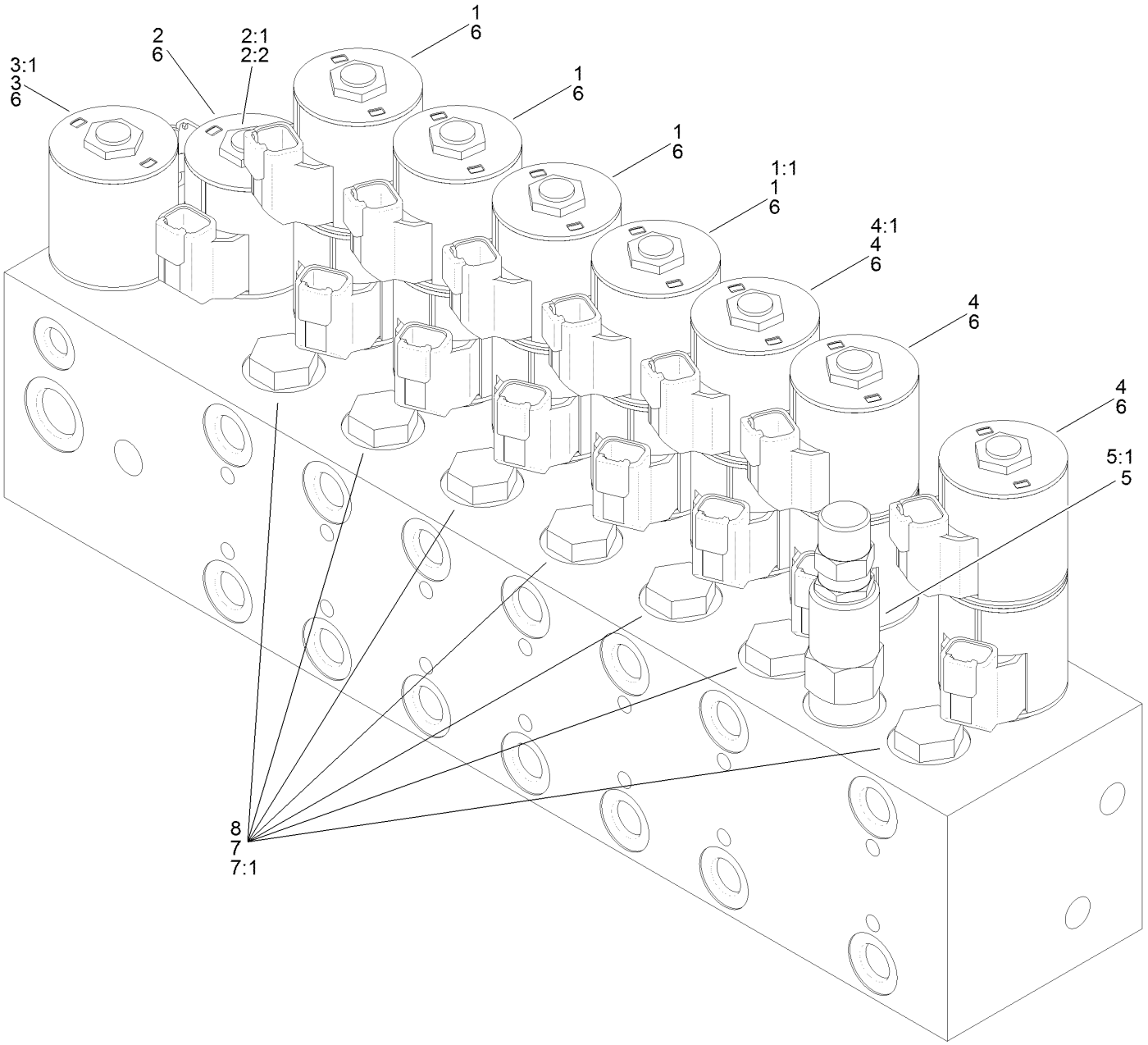


9 Section and 4 Spool Hydraulic Valve Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU111494	1	9 Section HYD Valve ASM
2	3256-24	7	Washer-Flat
3	323-6	7	Screw-HH
4	AU112767	3	Fitting-Straight
4:1	237-21	1	O-Ring
4:2	237-42	1	O-Ring
5	354-77	1	Fitting-Quick
5:1	237-78	1	O-Ring
6	340-4	2	Fitting-HYD, Straight
6:1	237-30	1	O-Ring
6:2	237-79	1	O-Ring
7	94-6031	1	Fitting-HYD
7:1	237-30	1	O-Ring
8	340-104	1	Fitting-HYD, Tee
8:1	237-30	2	O-Ring
9	340-98	2	Fitting-HYD, 90 DEG
9:1	237-79	1	O-Ring
9:2	237-30	1	O-Ring
10	340-2	6	Fitting-HYD, Straight
10:1	237-22	1	O-Ring
10:2	237-42	1	O-Ring
11	340-1	9	Fitting-HYD, Straight
11:1	237-21	1	O-Ring
11:2	237-42	1	O-Ring
12	340-151	6	Fitting-HYD
12:1	237-75	2	O-Ring
13	AU112323	1	HYD Flow Divider Valve ASM
13:1	131-8637	1	Seal Kit ●
14	AU100315	2	Screw-Flange, Metric
15	81-0130	4	Nut-Flange, NI
16	108-5687	1	Fitting-Elbow, 90
16:1	237-79	1	O-Ring
16:2	237-21	1	O-Ring
18	AU8HV80159	1	4 Spool HYD Valve ASM
19	340-6	2	Fitting-HYD, Straight
19:1	237-30	1	O-Ring
19:2	237-80	1	O-Ring
20	340-133	8	Adapter ASM
20:1	237-79	1	O-Ring
20:2	237-21	1	O-Ring
21	AU121543-03	1	Bracket-Valve, Shuttle
22	125-4467	1	Valve-Solenoid
22:2	106-1995	1	Valve-3 Way
22:2:1	110-8773	1	Seal Kit
22:3	112-0197	1	E Coil-12V Dc
22:4	110-2634	1	Nut-Coil
23	340-82	6	Fitting-HYD, 90
23:1	237-42	1	O-Ring
23:2	237-21	1	O-Ring
24	33103-050	2	Screw-HHF
25	AU8OAA0406	2	Fitting-Straight
25:1	237-21	1	O-Ring
25:2	237-42	1	O-Ring
25:3	340-78	1	Nut-Lock
26	AU270083	2	Valve-Shuttle, Load
27	AU8SA60404	2	Fitting-Straight
28	125-6579	2	Transducer-6000Psi
28:1	131-8636	1	O-Ring ●
29	340-78	2	Nut-Lock
30	3256-55	2	Washer-Flat
31	340-115	2	Fitting-Tee, Swivel Nut
31:1	237-22	2	O-Ring

● Not illustrated

9 Section Hydraulic Valve Assembly No. AU111494

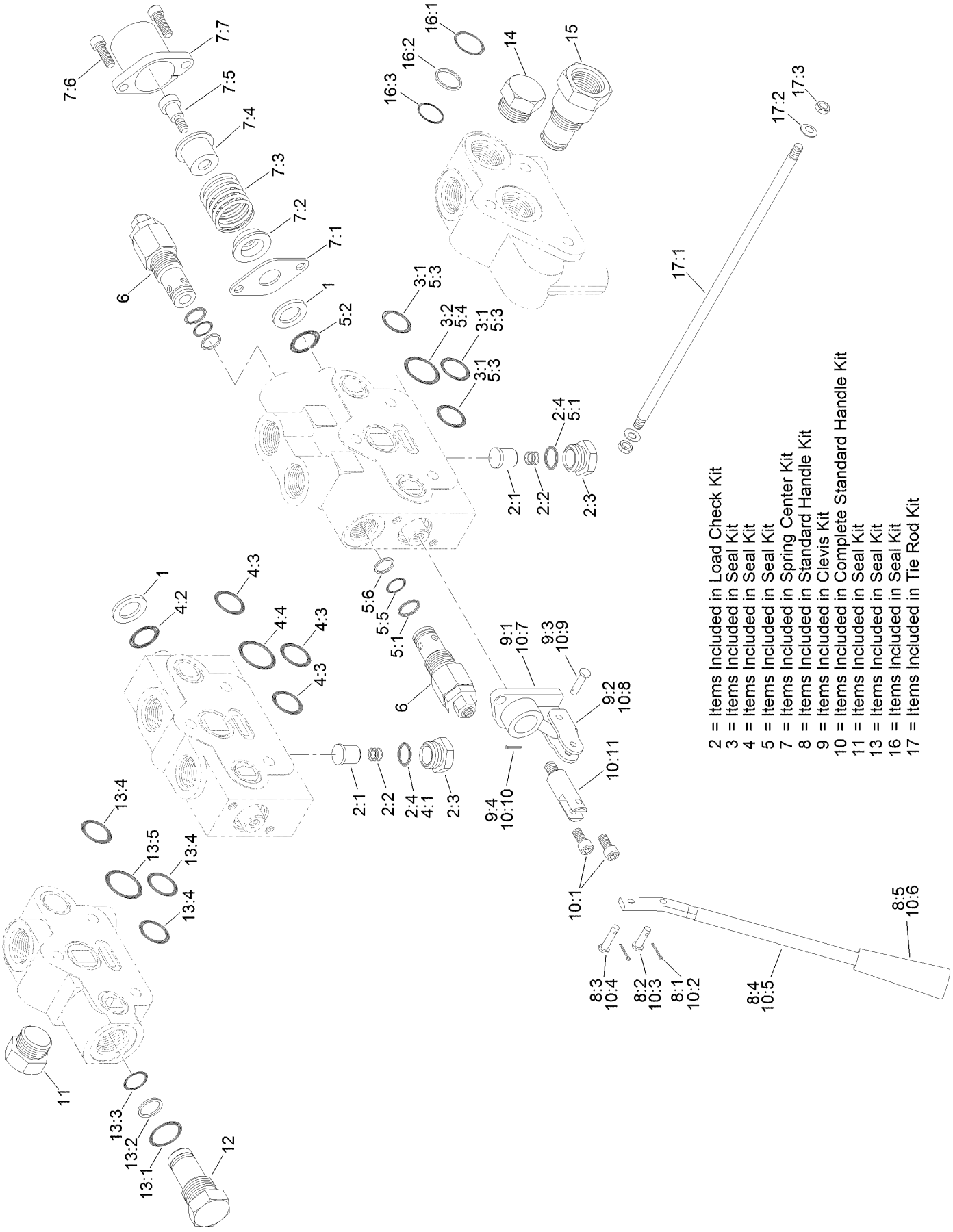


9 Section Hydraulic Valve Assembly No. AU111494 (continued)

Ref.	Part Number	Qty.	Description
1	AU112257	4	Valve-Cartridge, Motor Spool
1:1	110-8908	1	Spool Valve Seal Kit
2	115-5400	1	Solenoid Valve ASM
2:1	107-7813	1	Seal Kit
2:2	110-2634	1	Nut-Coil
3	120-0913	1	Valve-Solenoid
3:1	136-1492	1	Seal Kit
4	AU116738	3	Solenoid ASM
4:1	110-8908	1	Spool Valve Seal Kit
5	AU116739	1	Valve-Reducing, Pressure
5:1	105-9164	1	Seal Kit
6	119-4619	16	Coil-Solenoid
7	107-7524	14	Check Valve ASM
7:1	105-9156	1	Seal Kit
8	120-2554	7	Piston-Pilot
9	131-6513	2	Plug-Port (6103008)●
10	131-6514	1	Plug-Port (6103004)●

● Not illustrated

Stakedown Valve Assembly No. AU8HV80159



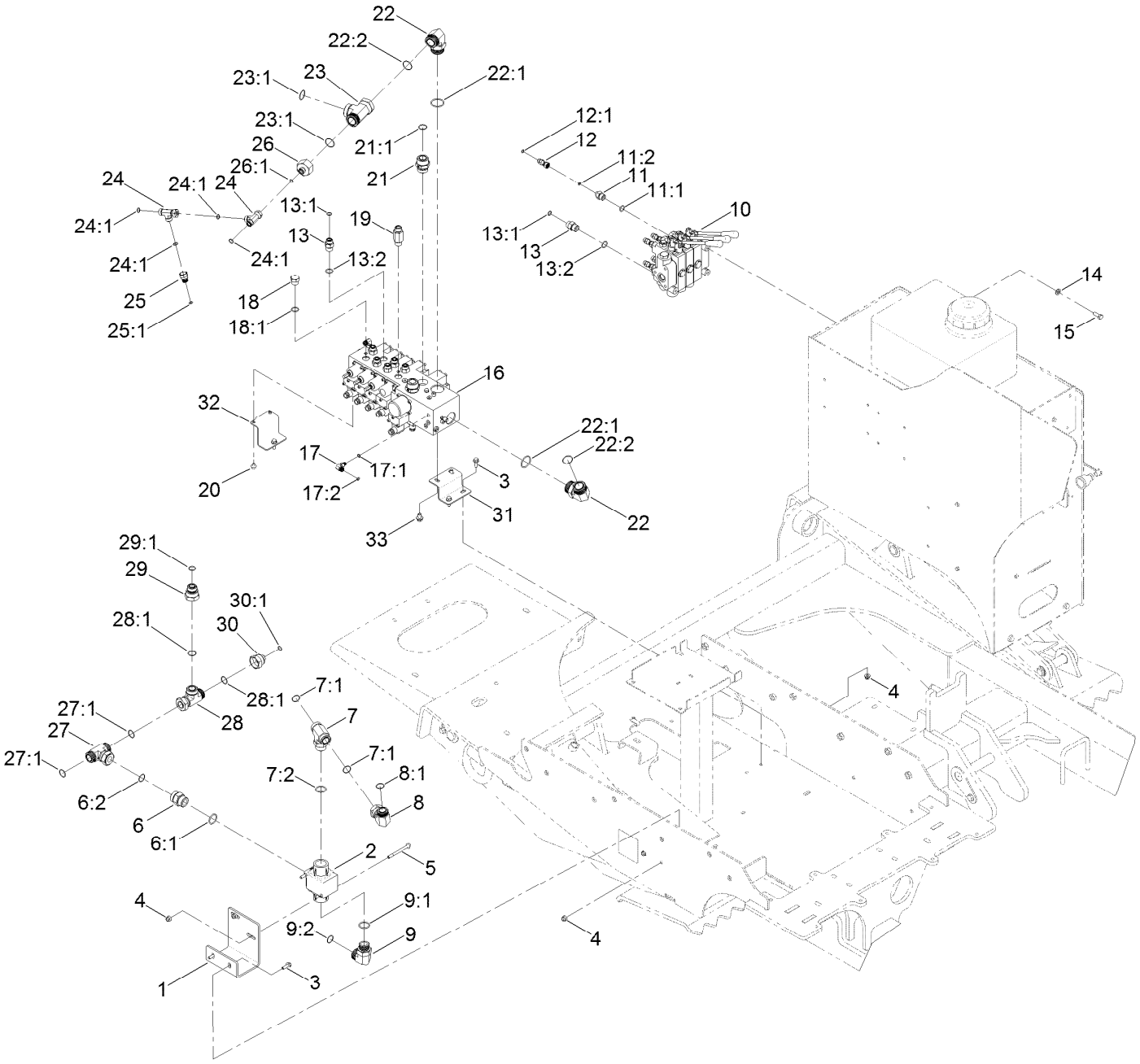
Stakedown Valve Assembly No. AU8HV80159 (continued)

Ref.	Part Number	Qty.	Description
1	131-6549	8	Washer-Back Up, Spool
2	131-6532	4	Load Check Kit
2:1		1	Poppet-Check, Load ●
2:2		1	Spring-Check, Load ●
2:3		1	Plug-Check, Load ●
2:4		1	O-Ring ●
3	131-6533	4	Replacement Seal Kit
3:1	22-8600	3	O-Ring
3:2		1	O-Ring ●
4	131-6534	2	Svw Replacement Seal Kit
4:1		1	O-Ring ●
4:2		2	O-Ring ●
4:3	22-8600	3	O-Ring
4:4		1	O-Ring ●
5	131-6535	2	Svh Replacement Seal Kit
5:1		3	O-Ring ●
5:2		2	O-Ring ●
5:3	22-8600	3	O-Ring
5:4		1	O-Ring ●
5:5		2	Washer-Backup ●
5:6		2	O-Ring ●
6	131-6536	4	Cartridge-Relief
7	131-6537	4	Spring Center Kit
7:1		1	Plate-Retainer ●
7:2		1	Cup-Stop, Inner ●
7:3		1	Spring-Centering ●
7:4		1	Cup-Stop, Outer ●
7:5		1	Adapter-Spool ●
7:6		2	Screw-Cap ●
7:7		1	Cap-End ●
8	131-6538	4	Standard Handle Kit
8:1		2	Pin-Cotter ●
8:2		1	Pin-Clevis ●
8:3		1	Pin-Clevis ●
8:4		1	Handle ●
8:5	AU30604519	1	Knob

Ref.	Part Number	Qty.	Description
9	131-6539	4	Clevis Kit
9:1		1	Clevis ●
9:2		1	Link ●
9:3		1	Pin-Clevis ●
9:4		1	Pin-Cotter ●
10	131-6540	4	Complete Standard Handle Kit
10:1		2	Screw-Cap ●
10:2		2	Pin-Cotter ●
10:3		1	Pin-Clevis ●
10:4		1	Pin-Clevis ●
10:5		1	Handle ●
10:6	AU30604519	1	Knob
10:7		1	Clevis ●
10:8		1	Link ●
10:9		1	Pin-Clevis ●
10:10		1	Pin-Cotter ●
10:11		1	Adapter-Spool ●
11	131-6542	1	Plug-Port
12	131-6543	1	Plug-No Relief
13	131-6544	1	Replacement Inlet Seal Kit
13:1		1	O-Ring ●
13:2		1	Washer-Back Up ●
13:3		1	O-Ring ●
13:4	22-8600	3	O-Ring
13:5		1	O-Ring ●
14	131-6546	1	Plug
15	131-6547	1	Cartridge-Beyond, Power
16	131-6548	1	Outlet Section Seal Kit
16:1		1	O-Ring ●
16:2		1	Washer-Back Up ●
16:3		1	O-Ring ●
17	132-4188	1	Tie Rod Kit (4 Section)
17:1		3	Rod-Tie ●
17:2		6	Washer-Lock ●
17:3		6	Nut ●

● Not serviced separately

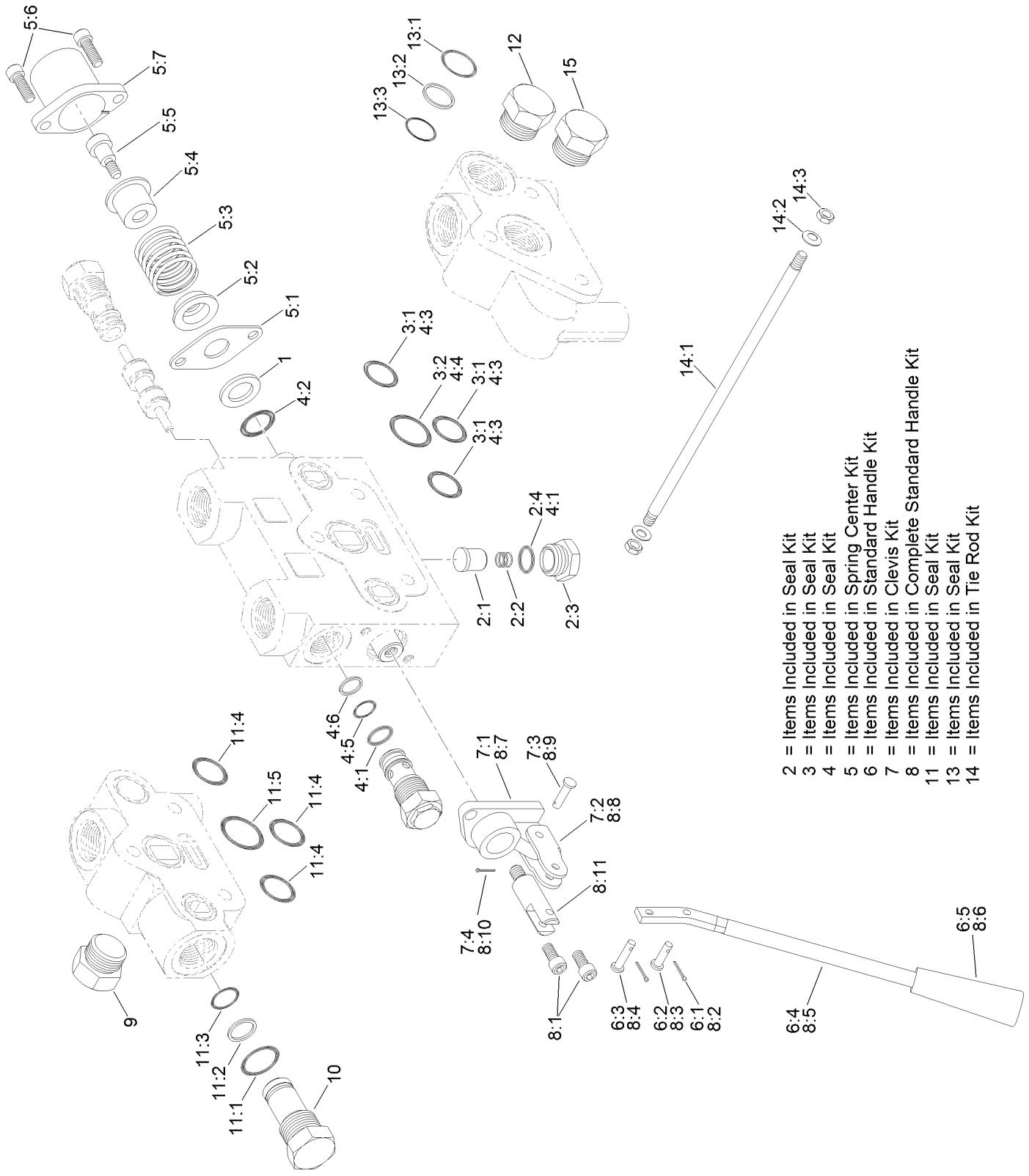
Hydraulic Valve Assembly



Hydraulic Valve Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU124864-03	1	Plate-Mount, Thermal Bypass
2	AU8HV01001	1	Valve-Thermostat
3	33104-025	5	Screw-HHF
4	104-3082	7	Nut-Lock, HHF
5	AU100327	2	Screw-Flange
6	104-3797	1	Fitting-HYD, Straight
6:1	237-146	1	O-Ring
6:2	340-65	1	O-Ring
7	104-7501	1	Fitting-HYD
7:1	340-65	2	O-Ring
7:2	237-146	1	O-Ring
8	92-7645	1	Fitting-Swivel, 90 DEG
8:1	340-65	1	O-Ring
9	340-129	1	Fitting-HYD, 90
9:1	237-146	1	O-Ring
9:2	340-65	1	O-Ring
10	AU8HV80153	1	3 Spool HYD Valve ASM
11	340-133	6	Adapter ASM
11:1	237-79	1	O-Ring
11:2	237-21	1	O-Ring
12	AU111506	6	Fitting-Straight
12:1	237-21	1	O-Ring
13	340-6	8	Fitting-HYD, Straight
13:1	237-30	1	O-Ring
13:2	237-80	1	O-Ring
14	3256-24	3	Washer-Flat
15	AU426-616	3	Screw-HH
16	AU121285	1	5-Section HYD Valve ASM
17	340-132	2	Fitting-HYD, 90 DEG
17:1	237-78	1	O-Ring
17:2	237-21	1	O-Ring
18	353-551	1	Plug-HH
18:1	237-80	1	O-Ring
19	AU121465	1	Valve-Check, 30 Psi
20	AU100394	2	Screw-Flange
21	AU8OA621616	2	Fitting-Straight
21:1	340-65	1	O-Ring
22	340-52	2	Fitting-Elbow, 90
22:1	237-101	1	O-Ring
22:2	340-64	1	O-Ring
23	AU8OR82020	1	Fitting-Tee, Run
23:1	340-64	2	O-Ring
24	340-104	2	Fitting-HYD, Tee
24:1	237-30	2	O-Ring
25	95-7776	1	Fitting-HYD
25:1	237-22	1	O-Ring
26	AU8OA80820	1	Fitting-Reducer
26:1	237-30	1	O-Ring
27	AU8OB81616	1	Fitting-Tee
27:1	340-65	2	O-Ring
28	AU8OR81616	1	Fitting-Tee
28:1	340-65	2	O-Ring
29	AU8OA81216	1	Fitting-Reducer
29:1	237-58	1	O-Ring
30	AU8OA80816	1	Fitting-Reducer
30:1	237-30	1	O-Ring
31	AU121320	1	Bracket-Front, 5-Section Valve
32	AU121321	1	Bracket-Rear, 5-Section Valve
33	33105-016	2	Screw-HHF

3 Spool Hydraulic Valve Assembly No. AU8HV80153

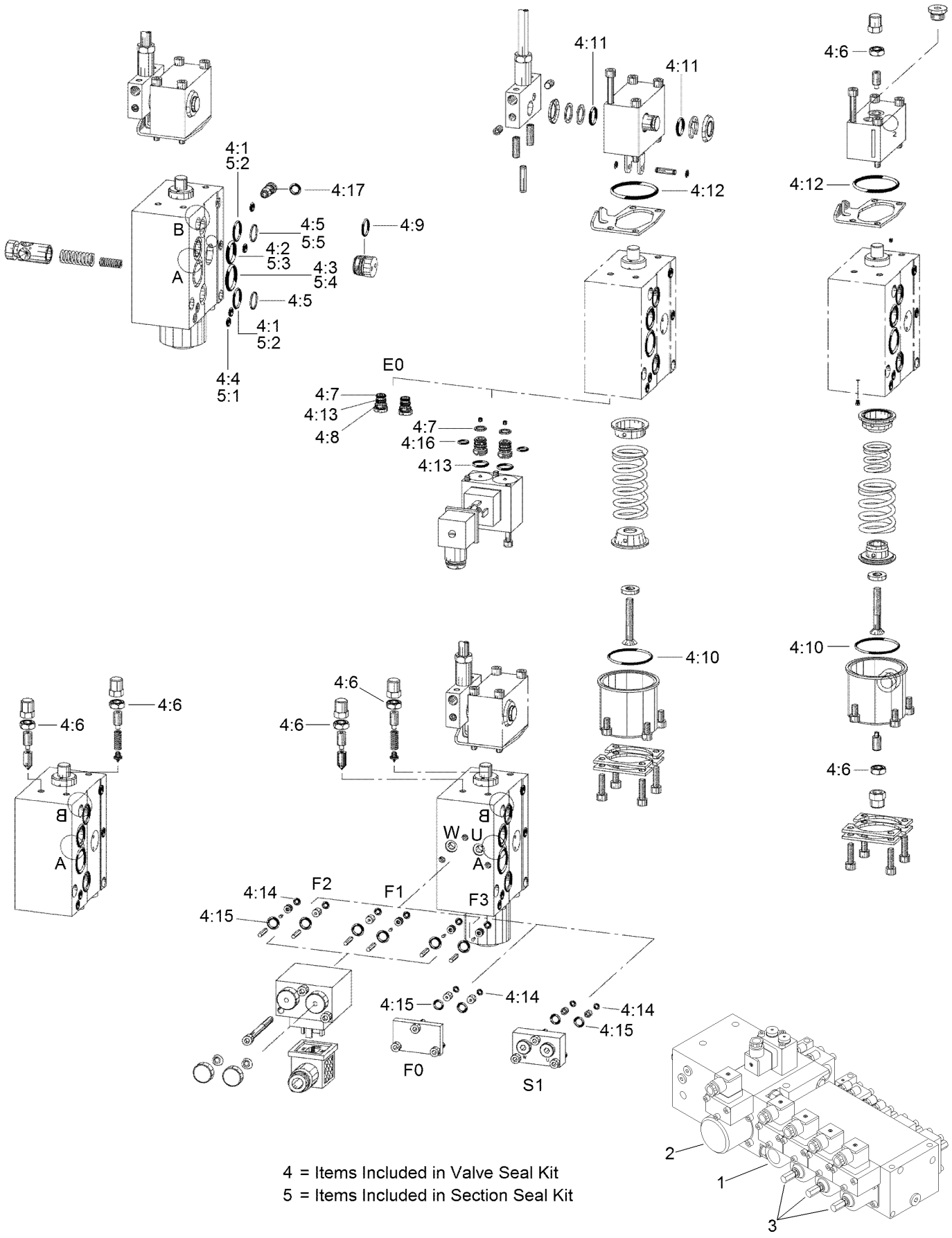


3 Spool Hydraulic Valve Assembly No. AU8HV80153 (continued)

Ref.	Part Number	Qty.	Description
1	131-6549	6	Washer-Back Up, Spool
2	131-6532	3	Load Check Kit
2:1		1	Poppet-Check, Load ●
2:2		1	Spring-Check, Load ●
2:3		1	Plug-Check, Load ●
2:4		1	O-Ring ●
3	131-6533	3	Replacement Seal Kit
3:1	22-8600	3	O-Ring
3:2		1	O-Ring ●
4	132-4189	3	Seal Kit
4:1		3	O-Ring ●
4:2		2	O-Ring ●
4:3	22-8600	3	O-Ring
4:4		1	O-Ring ●
4:5		2	O-Ring ●
4:6		2	Backup Washer ●
5	131-6537	3	Spring Center Kit
5:1		1	Plate-Retainer ●
5:2		1	Cup-Stop, Inner ●
5:3		1	Spring-Centering ●
5:4		1	Cup-Stop, Outer ●
5:5		1	Adapter-Spool ●
5:6		2	Screw-Cap ●
5:7		1	Cap-End ●
6	131-6538	3	Standard Handle Kit
6:1		2	Pin-Cotter ●
6:2		1	Pin-Clevis ●
6:3		1	Pin-Clevis ●
6:4		1	Handle ●
6:5	AU30604519	1	Knob
7	131-6539	3	Clevis Kit
7:1		1	Clevis ●
7:2		1	Link ●
7:3		1	Pin-Clevis ●
7:4		1	Pin-Cotter ●
8	131-6540	3	Complete Standard Handle Kit
8:1		2	Screw-Cap ●
8:2		2	Pin-Cotter ●
8:3		1	Pin-Clevis ●
8:4		1	Pin-Clevis ●
8:5		1	Handle ●
8:6	AU30604519	1	Knob
8:7		1	Clevis ●
8:8		1	Link ●
8:9		1	Pin-Clevis ●
8:10		1	Pin-Cotter ●
8:11		1	Adapter-Spool ●
9	131-6542	2	Plug-Port
10	131-6543	1	Plug-No Relief
11	131-6544	1	Replacement Inlet Seal Kit
11:1		1	O-Ring ●
11:2		1	Washer-Back Up ●
11:3		1	O-Ring ●
11:4	22-8600	3	O-Ring
11:5		1	O-Ring ●
12	131-6546	1	Plug
13	131-6548	1	Outlet Section Seal Kit
13:1		1	O-Ring ●
13:2		1	Washer-Back Up ●
13:3		1	O-Ring ●
14	132-4187	1	Tie Rod Kit (3 Section)
14:1		3	Rod-Tie ●
14:2		6	Washer-Lock ●
14:3		6	Nut ●
15	132-4190	1	Plug-Conversion, Center Open

● Not serviced separately

5-Section Hydraulic Valve Assembly No. AU121285



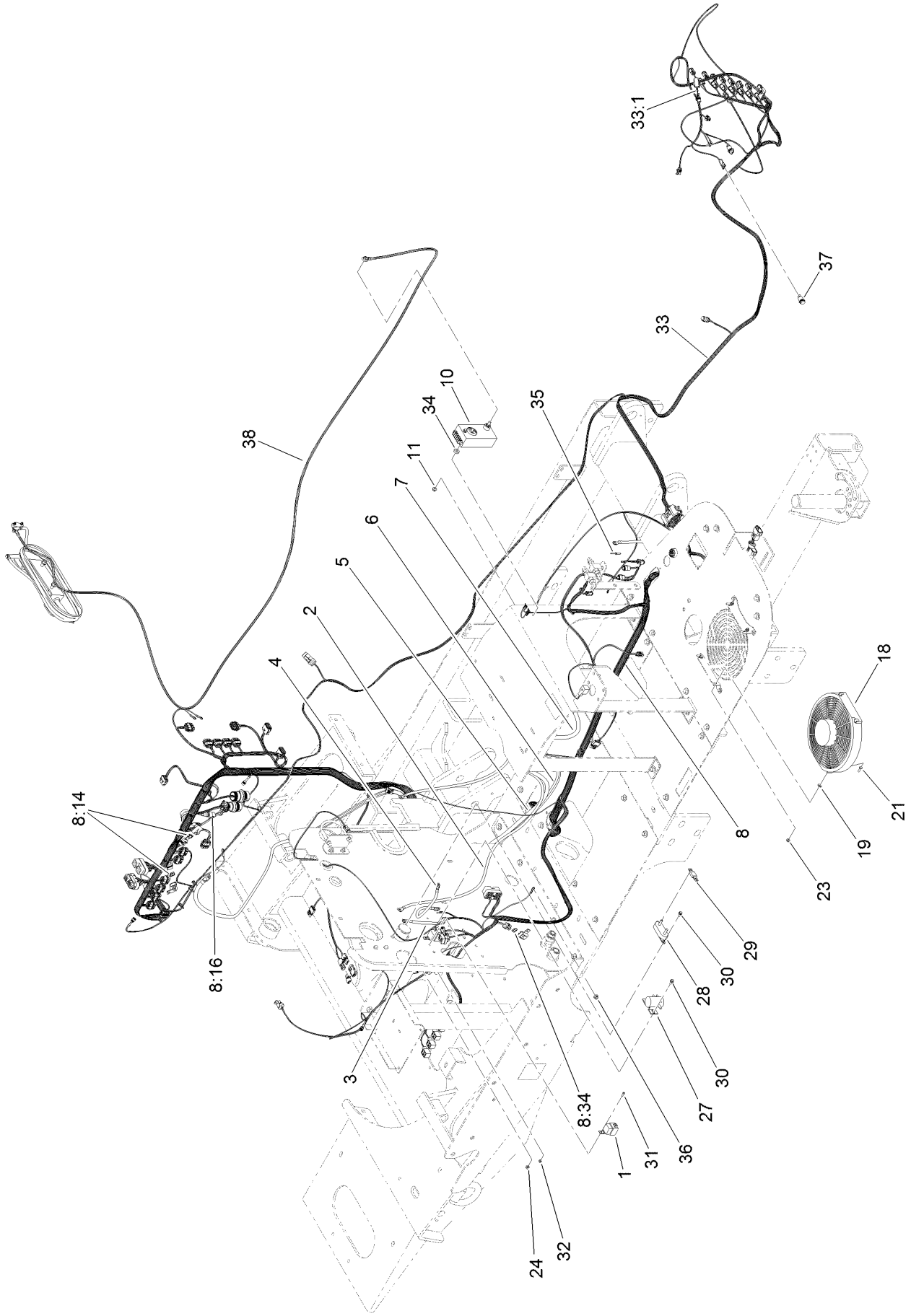
4 = Items Included in Valve Seal Kit
5 = Items Included in Section Seal Kit

5-Section Hydraulic Valve Assembly No. AU121285 (continued)

Ref.	Part Number	Qty.	Description
1	132-5664	1	Coil-12V
2	132-5665	1	Solenoid-Twin, 12V
3	132-5666	3	Spool-SI
4	132-5667	1	Valve Seal Kit
4:1		2	O-Ring ●
4:2		1	Seal ●
4:3		1	Seal ●
4:4		4	O-Ring ●
4:5		2	Ring-Backup ●
4:6		4	Seal-Nut ●
4:7		2	Seal-Ring ●
4:8		2	O-Ring ●
4:9		1	O-Ring ●
4:10		1	O-Ring ●
4:11		2	O-Ring ●
4:12		1	O-Ring ●
4:13		2	O-Ring ●
4:14		2	O-Ring ●
4:15		2	O-Ring ●
4:16		2	O-Ring ●
4:17		1	O-Ring ●
5	132-5668	1	Section Seal Kit
5:1		4	O-Ring ●
5:2		2	O-Ring ●
5:3		1	Seal ●
5:4		1	Seal ●
5:5		2	Ring-Backup ●

● Not serviced separately

Electrical Assembly

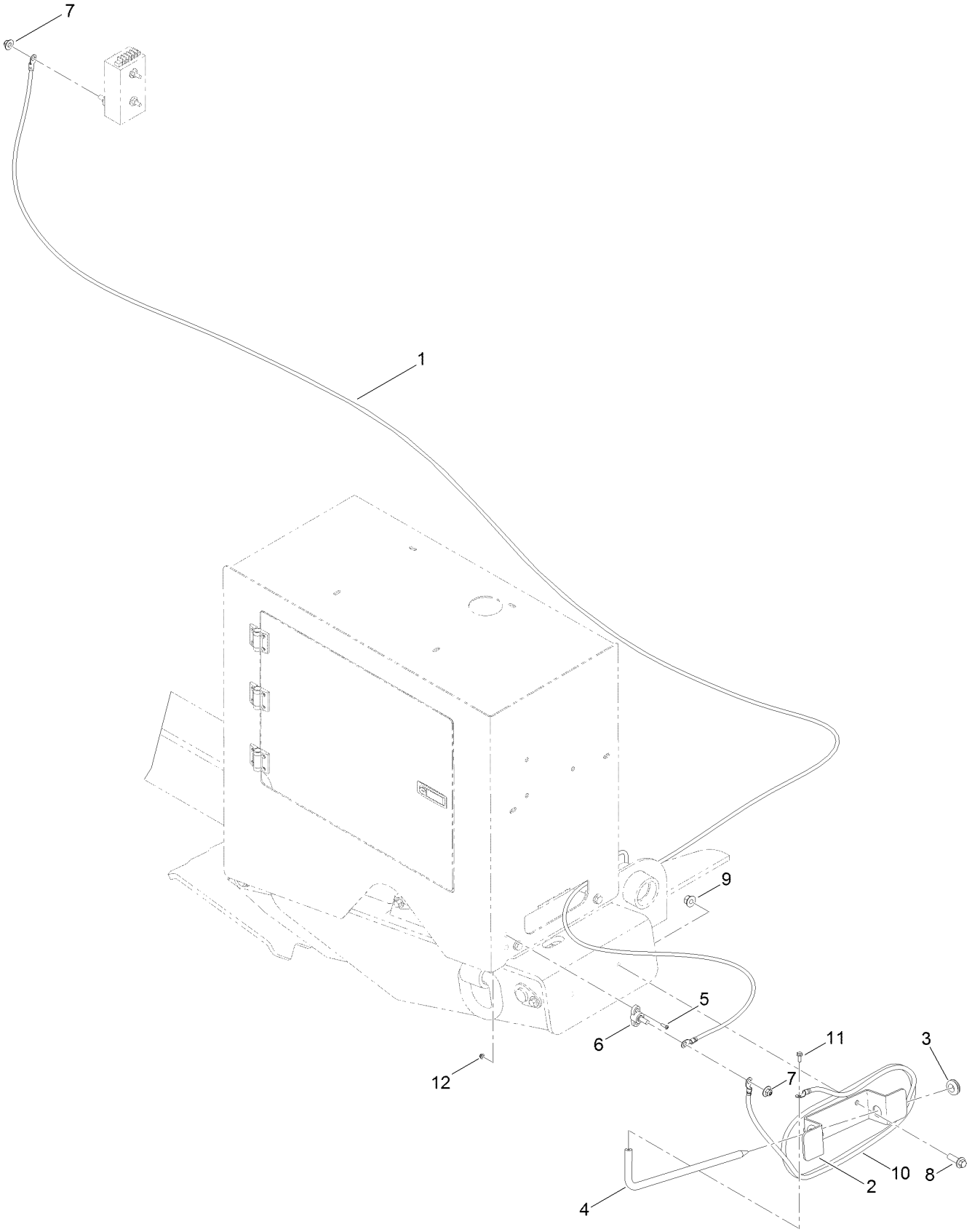


Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
1	99-7430	2	Relay
2	122-0219	1	Cable-Battery, Positive
3	122-0103	1	Cable-Battery, Positive
4	122-0104	1	Cable-Battery, Positive
5	122-0093	1	Cable-Battery, Positive
6	122-0094	1	Cable-Battery, Negative
7	122-0095	1	Cable-Battery, Negative
8	122-0063	1	Harness-Wire, Main
8:14	218-578	2	Fuse-Blade, 10 Amp ●
8:16	32180-043	1	Resistor-120 Ohm ●
8:34	109103	1	Fuse-Blade, 30 Amp ●
10	AU8EE27103	1	Relay
11	104-8300	2	Nut-Flange, NI
18	130-4521	1	Fan-Electric
19	120-9679	4	Washer-Flat
21	33113-020	4	Screw-HH
23	33003-00	4	Nut-HF
24	81-0130	4	Nut-Flange, NI
27	AU126234	1	Solenoid-Relay 12V, 300A
28	AU126233	1	Holder-Fuse
29	AU126232	1	Fuse-100A
30	33103-016	4	Screw-HHF
31	119-7568	2	Screw-HSBH
32	120-4580	2	Nut-HF
33	122-0064	1	Harness-Wire, Thrust Frame
33:1	110928	1	Fuse-Blade, 5 Amp ●
34	26-4840	2	Spacer-Pin, Mounting
35	3269-28	1	Rivet-Pop
36	104-3082	1	Nut-Lock, HHF
37	131-0040	2	Lamp-Indicator, Led
38	131-9019	1	Ground Stake Kit
99	AU8EE27104	1	Tester-Zapalert ●

● Not illustrated

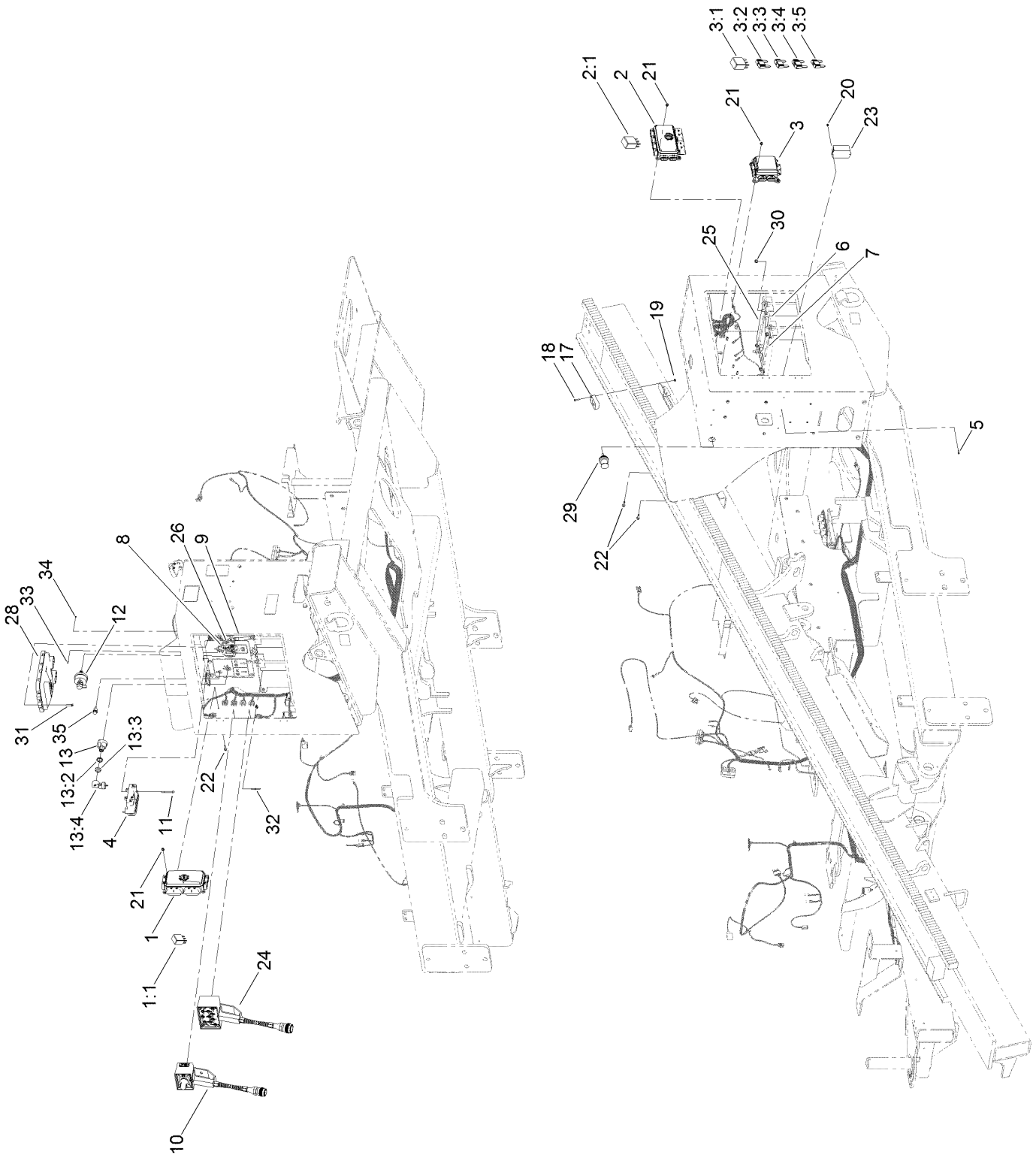
ZapAlert Ground Stake Relocation Assembly
No. 131-9019



ZapAlert Ground Stake Relocation Assembly No. 131-9019 (continued)

Ref.	Part Number	Qty.	Description
1	122-0625	1	Cable-Battery, Negative
2	131-3446	1	Plate-Holder, Stake
3	117-2781	2	Grommet
4	AU109224	1	Bar-Stake, Ground
5	110-8823	1	Block-Junction
6	119-7568	2	Screw-HSBH
7	109-6658	2	Nut-Flange, NI
8	33105-035	2	Screw-HHF
9	103-9511	2	Nut-Lock, NI
10	AU124406	1	Cable-Alert, Strike
11	114-8414	1	Screw-HHF
12	111-1502	2	Nut-HHF, Ny

Travel Pendant and Life Jacket Assembly



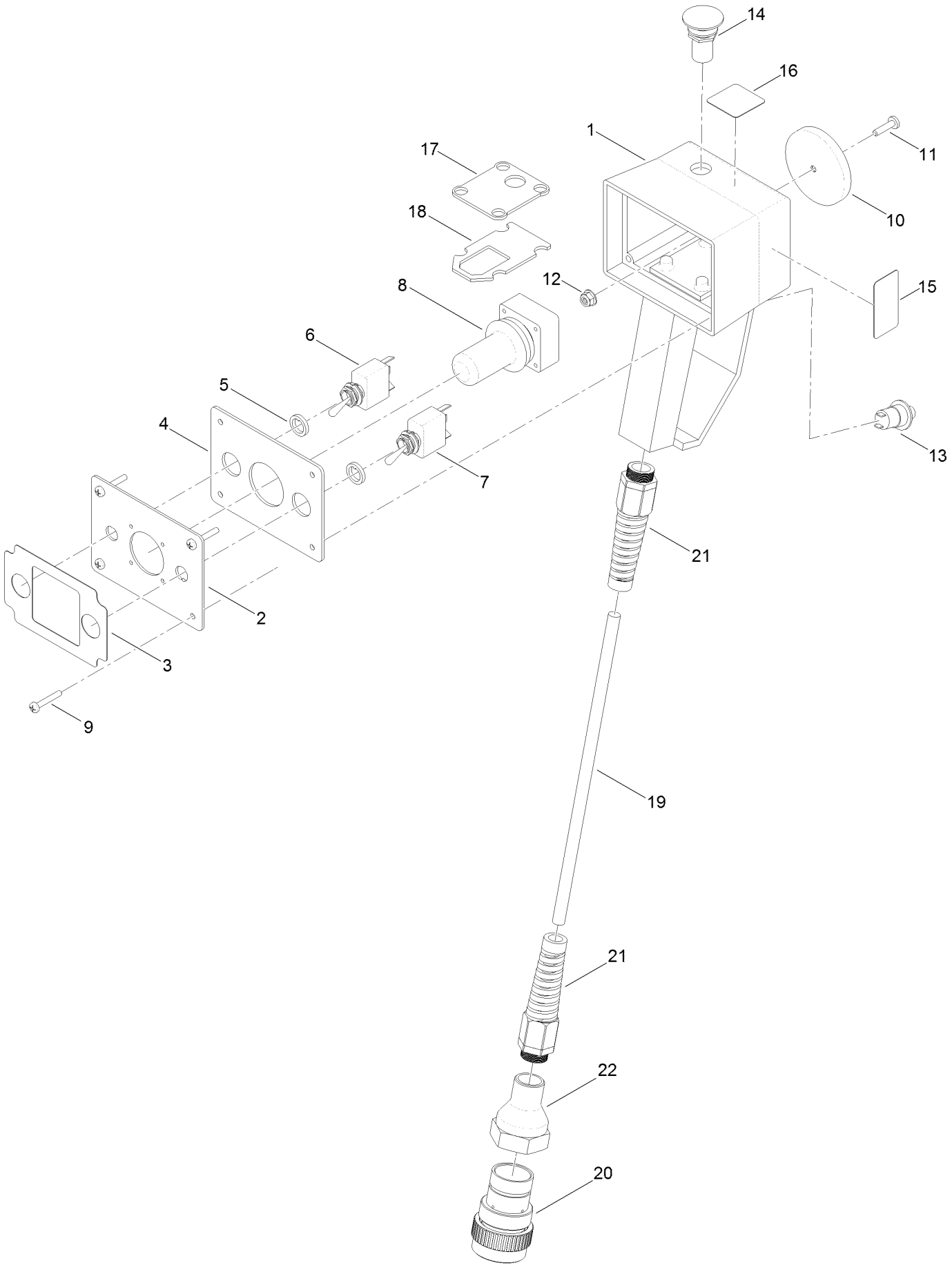
Travel Pendant and Life Jacket Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU119073	1	Box-Vec, Main (A)
1:1	122-0368	16	Relay-280 Iso
2	AU119074	1	Box-Vec, Main (B)
2:1	122-0368	16	Relay-280 Iso
3	AU119075	1	Box-Vec, Main (C)
3:1	122-0368	5	Relay-280 Iso
3:2	121-8861	4	Fuse-Mini Blade, 2 Amp
3:3	121-8864	3	Fuse-Mini Blade, 5 Amp
3:4	121-8868	5	Fuse-Mini Blade, 20 Amp
3:5	121-8870	3	Fuse-Mini Blade, 30 Amp
4	AU117892	1	Computer-Expander, Output
5	3250-17	4	Screw-PPH
6	122-0105	1	Cable-Battery, Positive
7	122-0106	1	Cable-Battery, Negative
8	122-0091	1	Cable-Battery, Positive
9	122-0092	1	Cable-Battery, Positive
10	131-9036	1	Travel Pendant ASM
11	AU100315	2	Screw-Flange, Metric
12	AUR52278	1	Switch-Disconnect, Master
13	121-5159	1	Ignition Switch ASM
13:2	121-5160	1	Nut-Hex
13:3	121-5161	1	Nut-Face
13:4	121-5162	1	Ignition Key Set
17	AU8EP65159	3	Switch-Proximity
18	9107964	6	Screw-PPH
19	32149-7	6	Nut-Keps
20	3296-1	4	Nut-Lock
21	81-0130	12	Nut-Flange, NI
22	33103-025	12	Screw-HHF
23	AU115133	2	Connector-Pack, Resistor
24	125-1628	1	Life Jacket ASM
25		2	Battery ●■
26	122-0084	1	Harness-Wire, Fusible Link
28	AU117890	1	Controller ASM (88 Pin, Unprogrammed)
29	AU105186	1	Post-Battery, Remote
30	32149-10	4	Nut-Keps
31	33103-030	3	Screw-HHF
32	3269-28	1	Rivet-Pop
33	1-3153	4	Screw-PRH, Slotted
34	3296-52	4	Nut-Lock, NI
35	131-0039	1	Lamp-Indicator, Led

● Obtain locally.

■ Not serviced separately

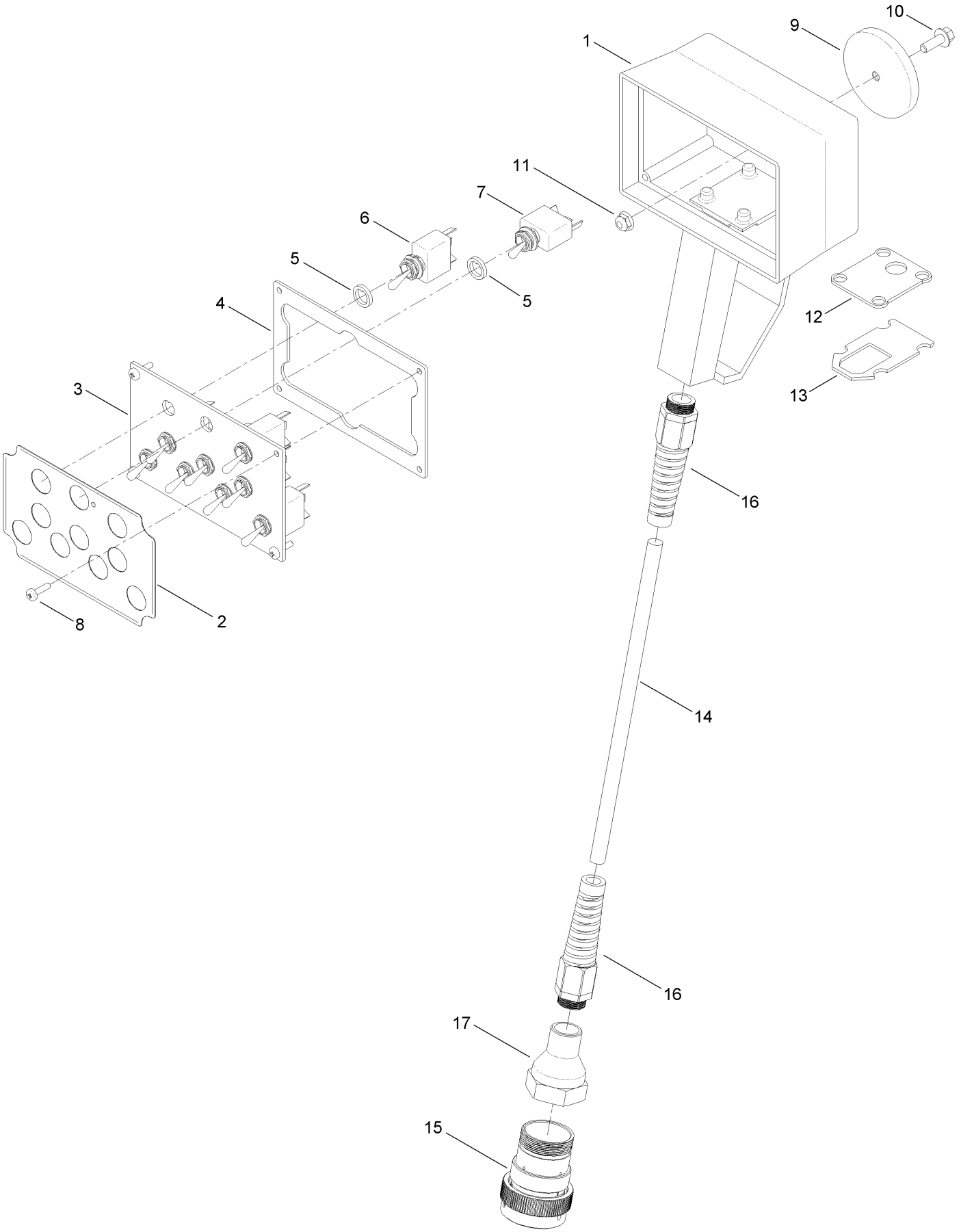
Travel Pendant Assembly No. 131-9036



Travel Pendant Assembly No. 131-9036 (continued)

Ref.	Part Number	Qty.	Description
1	125-1612	1	Enclosure-Handheld
2	131-9016	1	Plate-Pendant Front
3	125-1641	1	Decal-Travel Pendant
4	131-9017	1	Gasket-Pendent Front
5	125-1619	2	Seal-Switch
6	125-1615	1	Switch
7	125-1611	1	Switch
8	125-1590	1	Joystick
9	131-9021	4	Screw-PPH
10	131-9022	1	Magnet-Ceramic, Encased
11	3250-13	1	Screw-PPH
12	120-4578	1	Nut-HF
13	125-1616	1	Switch-Momentary
14	125-1592	1	Switch-Push Button
15	125-6183	1	Decal-Operator Presence
16	125-1622	1	Decal-Emergency Stop
17	125-1609	1	Gasket-Handle, Inner
18	125-1610	1	Gasket-Handle, Outter
19	125-1606	1	Cable-Travel Pendant
20	32160-404	1	Plug-Connetor
21	125-1632	2	Grip-Cord
22	125-1625	1	Coupler

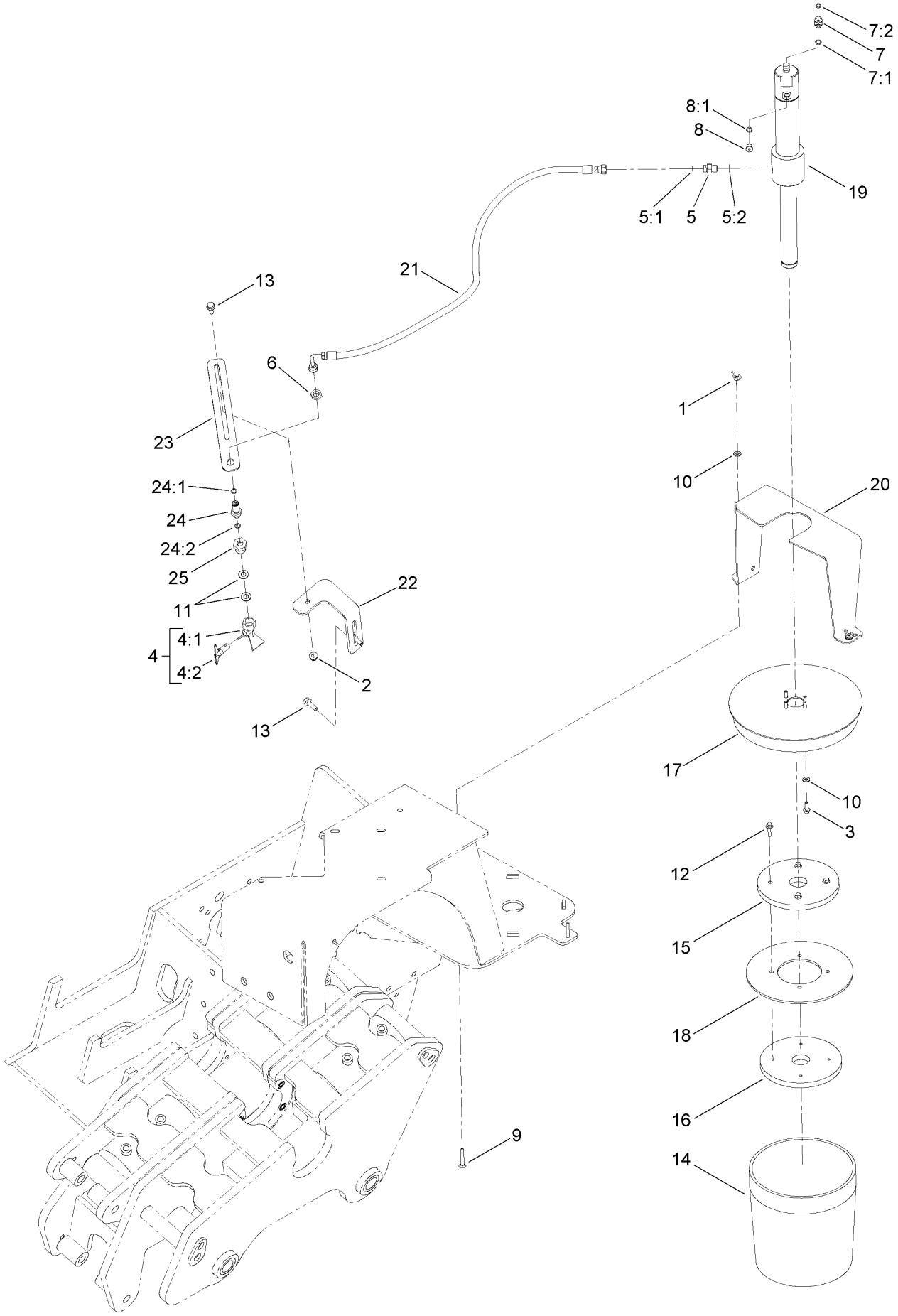
Life Jacket Assembly No. 125-1628



Life Jacket Assembly No. 125-1628 (continued)

Ref.	Part Number	Qty.	Description
1	125-1614	1	Enclosure-Handheld
2	125-1623	1	Decal-Life Jacket
3	125-1624	1	Plate-Life Jacket
4	125-1647	1	Gasket-Life Jacket
5	125-1619	10	Seal-Switch
6	125-1615	9	Switch
7	125-1620	1	Switch
8	125-1630	4	Screw-PPH
9	T0002-8729	1	Magnet-Ceramic, Encased
10	120-9678	1	Screw-HHF
11	104-7201	1	Nut-Flange, NI
12	125-1609	1	Gasket-Handle, Inner
13	125-1610	1	Gasket-Handle, Outter
14	125-1608	1	Cable-Life Jacket
15	32160-403	1	Deutsch 23F
16	125-1632	1	Grip-Cord
17	125-1626	1	Coupler

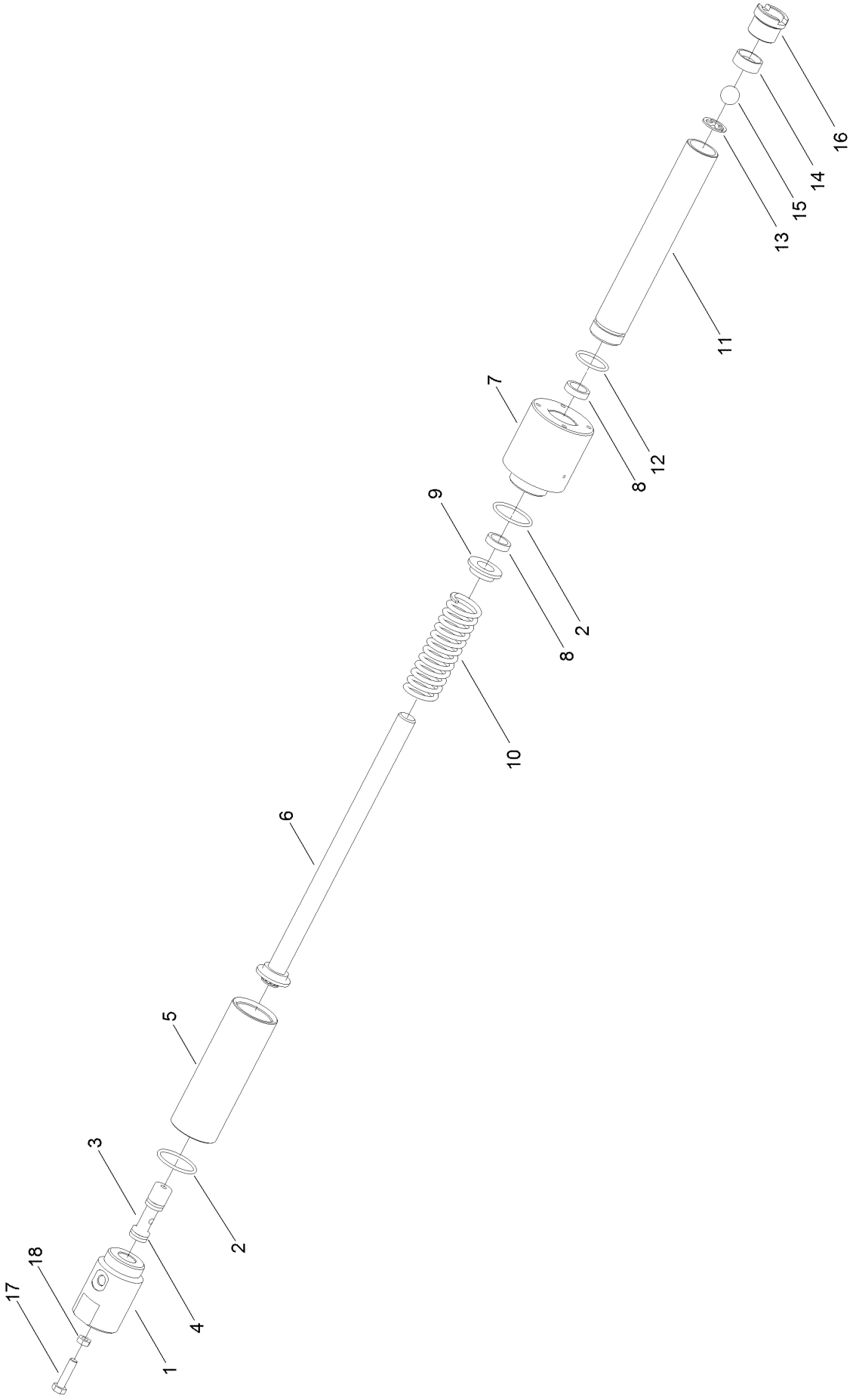
Tool Joint Lube Applicator Assembly



Tool Joint Lube Applicator Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-543792	2	Wingnut
2	104-3082	1	Nut-Lock, HHF
3	120-9678	4	Screw-HHF
4	125-4539	1	Spray Nozzle ASM
4:1	125-4540	1	Nozzle-Spray, Airless
4:2	125-4541	1	Orifice Insert ASM
5	340-1	1	Fitting-HYD, Straight
5:1	237-21	1	O-Ring
5:2	237-42	1	O-Ring
6	340-78	1	Nut-Lock
7	340-92	1	Fitting-HYD, Straight
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	353-990	1	Plug ASM
8:1	237-78	1	O-Ring
9	3229-5	2	Screw-CARR
10	3256-22	6	Washer-Flat
11	3256-24	2	Washer-Flat
12	33103-025	4	Screw-HHF
13	33104-025	3	Screw-HHF
14	AU01DT9904	1	Compound-Thread
15	AU108640-03	1	Plate
16	AU108641-03	1	Plate
17	AU108790-03	1	Cover-Applicator, Lube
18	AU108814	1	Seal-Rubber, Follower
19	AU108837	1	HYD Grease Pump ASM
20	AU109840-03	1	Cover-Grease Tied Down
21	AU119788	1	HYD Hose ASM
22	AU121079-03	1	Bracket-Mount, Nozzle
23	AU121080-03	1	Mount-Slide, Nozzle
24	AU8OA90404	1	Fitting-Straight
24:1	237-21	1	O-Ring
24:2	237-78	1	O-Ring
25	AU8SA31004	1	Reducer-Straight, Threaded

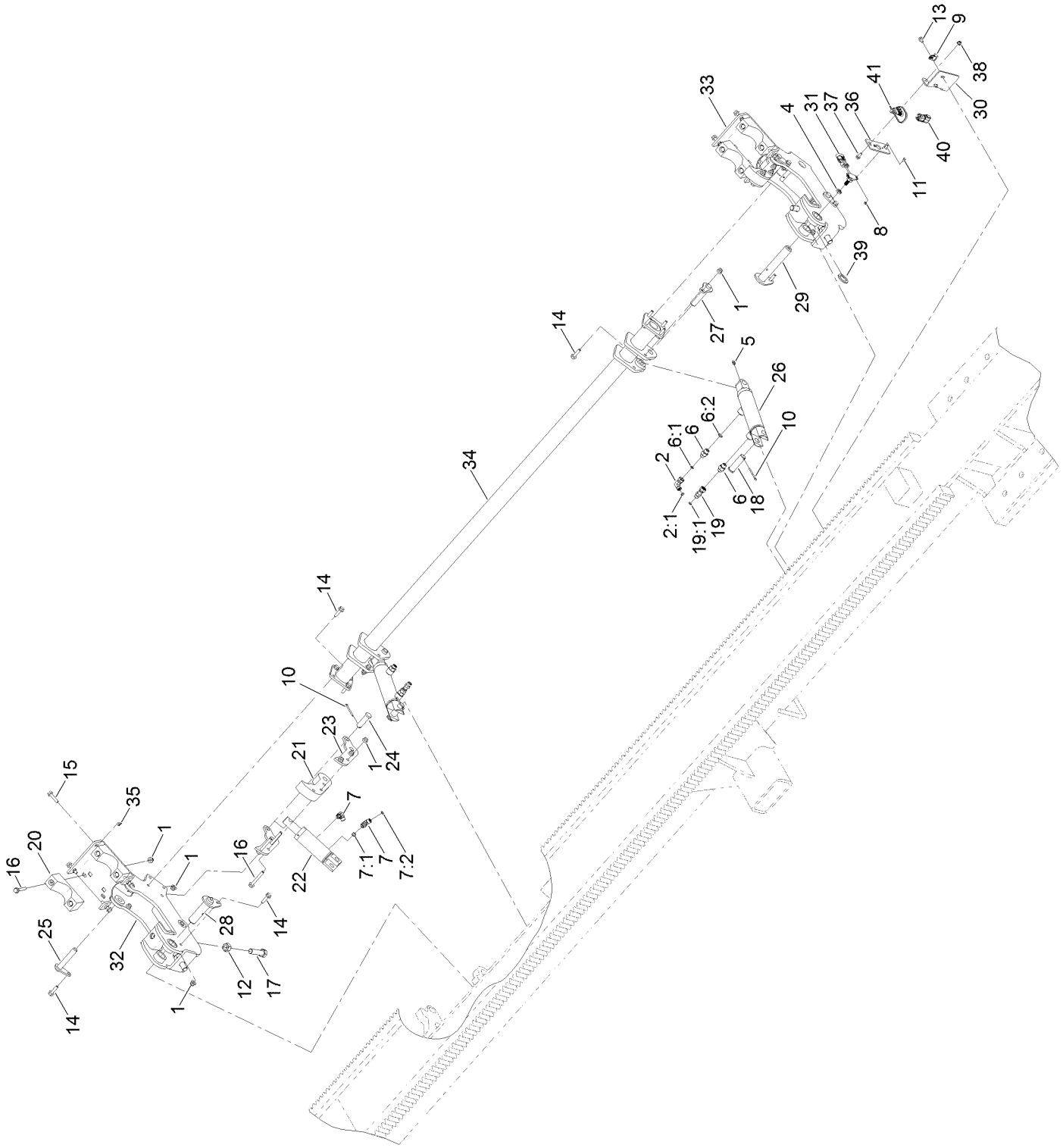
Grease Pump Assembly No. AU108837



Grease Pump Assembly No. AU108837 (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

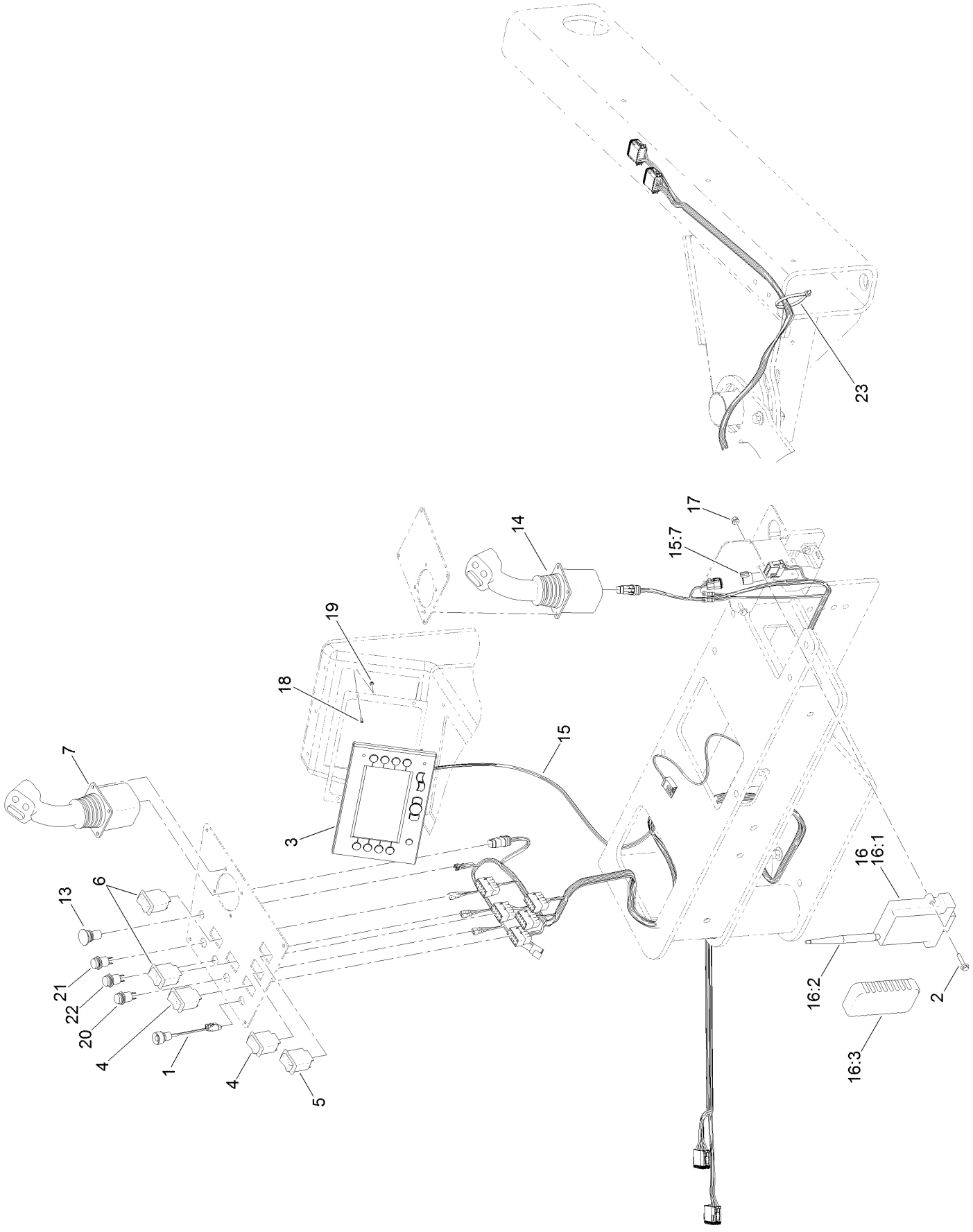


Rod Loader Assembly (continued)

Ref.	Part Number	Qty.	Description
1	104-3082	30	Nut-Lock, HHF
2	92-2745	1	Fitting-Adaptor
2:1	237-21	1	O-Ring
4	112-8617	1	Nut-Hex
5	302-57	3	Fitting-Grease
6	340-1	4	Fitting-HYD, Straight
6:1	237-21	1	O-Ring
6:2	237-42	1	O-Ring
7	340-132	4	Fitting-HYD, 90 DEG
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	127-2018	2	Nut-HHF
9	2412-93	1	Clamp-R
10	3272-19	4	Pin-Cotter
11	60-6500	2	Screw-HH
12	33018-00	4	Nut-Hex
13	33103-012	2	Screw-HHF
14	33104-030	16	Screw-HHF
15	33104-035	8	Screw-HHF
16	33104-060	14	Screw-HHF
17	AU120624	4	Screw-HH
18	AU109885	2	Pin-Clevis
19	AU111506	2	Fitting-Straight
19:1	237-21	1	O-Ring
20	AU117448	4	Holder-Pipe
21	AU117449	2	Insert-Gripper
22	AU117558	2	HYD Cylinder ASM
22:1	131-0171	1	Piston Seal Kit ●
22:2	131-0172	1	Gland Seal Kit ●
23	AU117581-03	4	Gripper
24	AU117727	2	Pin-Clevis
25	AU117806	4	Pin-Pivot (W/ Flag)
26	AU117809	2	Cylinder ASM
26:1	131-0171	1	Piston Seal Kit ●
26:2	131-0172	1	Gland Seal Kit ●
27	AU118041	2	Pin-Pivot
28	AU118048	1	Pin-Pivot, Cam
29	AU124261	1	Pin-Pivot
30	132-4172-03	1	Bracket-Loader, Rod
31	131-0177	1	Sensor-Rotary
32	AU126409-03	1	Loader-Rod, Rear
33	AU126410-03	1	Loader-Rod, Front
34	AU126418-03	1	Rod-Tie
35	117-4059	8	Nut-Hex
36	132-4173-03	1	Plate-Sensor
37	33103-016	2	Screw-HHF
38	81-0130	2	Nut-Flange, NI
39	3-8514	1	Washer-Thrust
40	122-0673	1	Harness-Adaptor, Sensor
41	3290-378	2	Tie-Cable

● Not illustrated

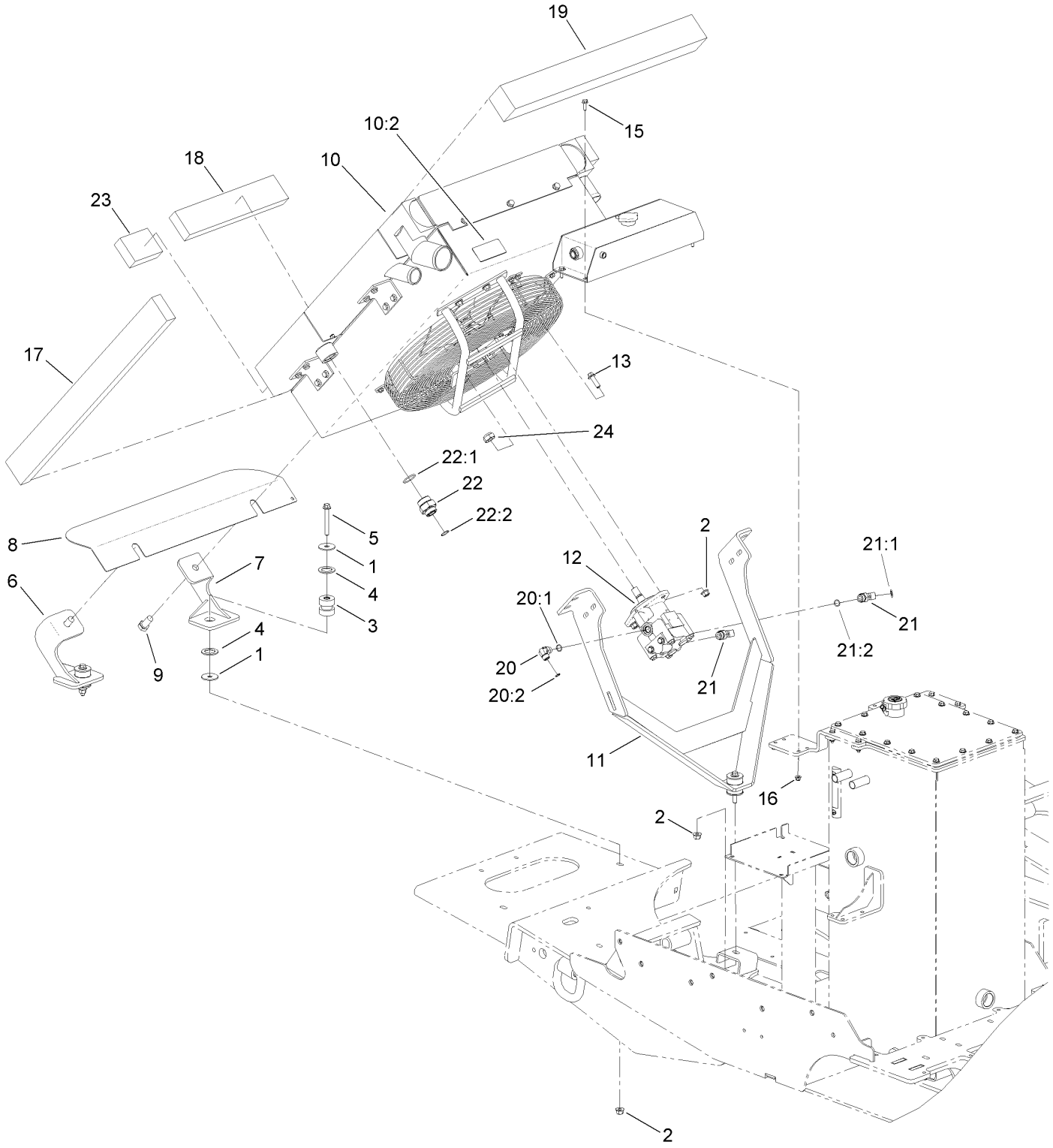
Operator Control Assembly



Operator Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	121-6592	1	Switch-Start, Green Button
2	33103-030	2	Screw-HHF
3	131-0118	1	Display-Dp610Tm, Unprogrammed
4	AU113662	2	Switch-Rocker, 2 Pole (On/Off)
5	AU113664	1	Switch-Rocker, 2 Pole
6	AU113665	2	Switch-Rocker, 1 Pole (On)Off/On(Off)
7	AU117962	1	Joystick-Modified (Left Hand)
13	AU8EP46103	1	Button-Push, Red Mushroom
14	AU8EP47613	1	Joystick-Carriage
15	121-6585	1	Harness-Wire, Operator
15:7	32180-043	1	Resistor-120 Ohm
16	133-6314	1	Long Range Exit Side Lockout Kit
16:1	133-6315	1	Handheld-Long Range
16:2	133-6317	1	Base Unit-Long Range
16:3	130-4462	1	Antenna-Lockout
17	81-0130	2	Nut-Flange, NI
18	130-4539	4	Screw-Ph
19	3296-52	4	Nut-Lock, NI
20	131-0040	1	Lamp-Indicator, Led
21	131-0039	1	Lamp-Indicator, Led
22	131-0038	1	Lamp-Indicator, Led
23	3290-379	1	Tie-Cable

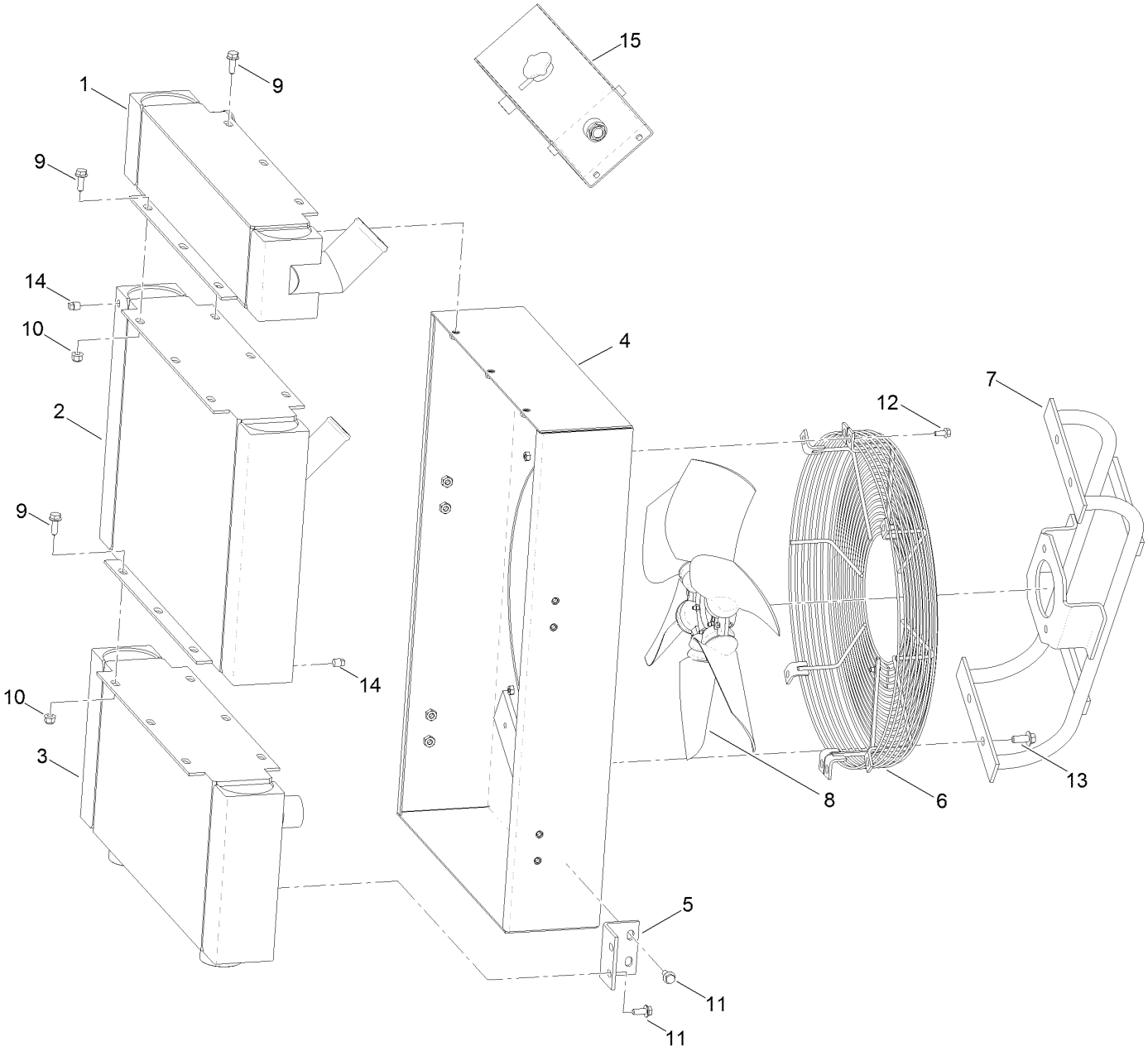
Cooling Package Assembly



Cooling Package Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU496-81018	6	Washer-Flat
2	115-1115	5	Nut-Lock, HHF
3	AU8NG28121	3	Isolator-Mounting, Universal
4	AU495-81203	6	Washer
5	33106-090	3	Screw-HHF
6	AU130574-03	1	Support-Isolator, LH
7	AU130567-03	1	Support-Isolator, RH
8	AU130581-03	1	Plate-Seal, Rear Hood
9	AU426-1224	2	Bolt
10	127-0943	1	Cooling ASM
10:2	125-6127	1	Decal-Rotating Fan Hazard
11	125-6585-03	1	Isolator-Support
12	AU118007	1	HYD Motor ASM
13	33106-040	2	Screw-HHF
15	33104-025	4	Screw-HHF
16	104-3082	4	Nut-Lock, HHF
17	AU130577	2	Foam-Polyurethane
18	AU130647	1	Foam-Polyurethane
19	AU124069	1	Foam-Polyurethane
20	340-98	1	Fitting-HYD, 90 DEG
20:1	237-79	1	O-Ring
20:2	237-30	1	O-Ring
21	340-89	2	Fitting-HYD, 45 DEG
21:1	237-30	1	O-Ring
21:2	237-80	1	O-Ring
22	340-80	2	Fitting-Straight
22:1	237-101	1	O-Ring
22:2	340-65	1	O-Ring
23	127-0978	2	Foam-Polyurethane
24	3296-67	1	Nut-Lock, NI

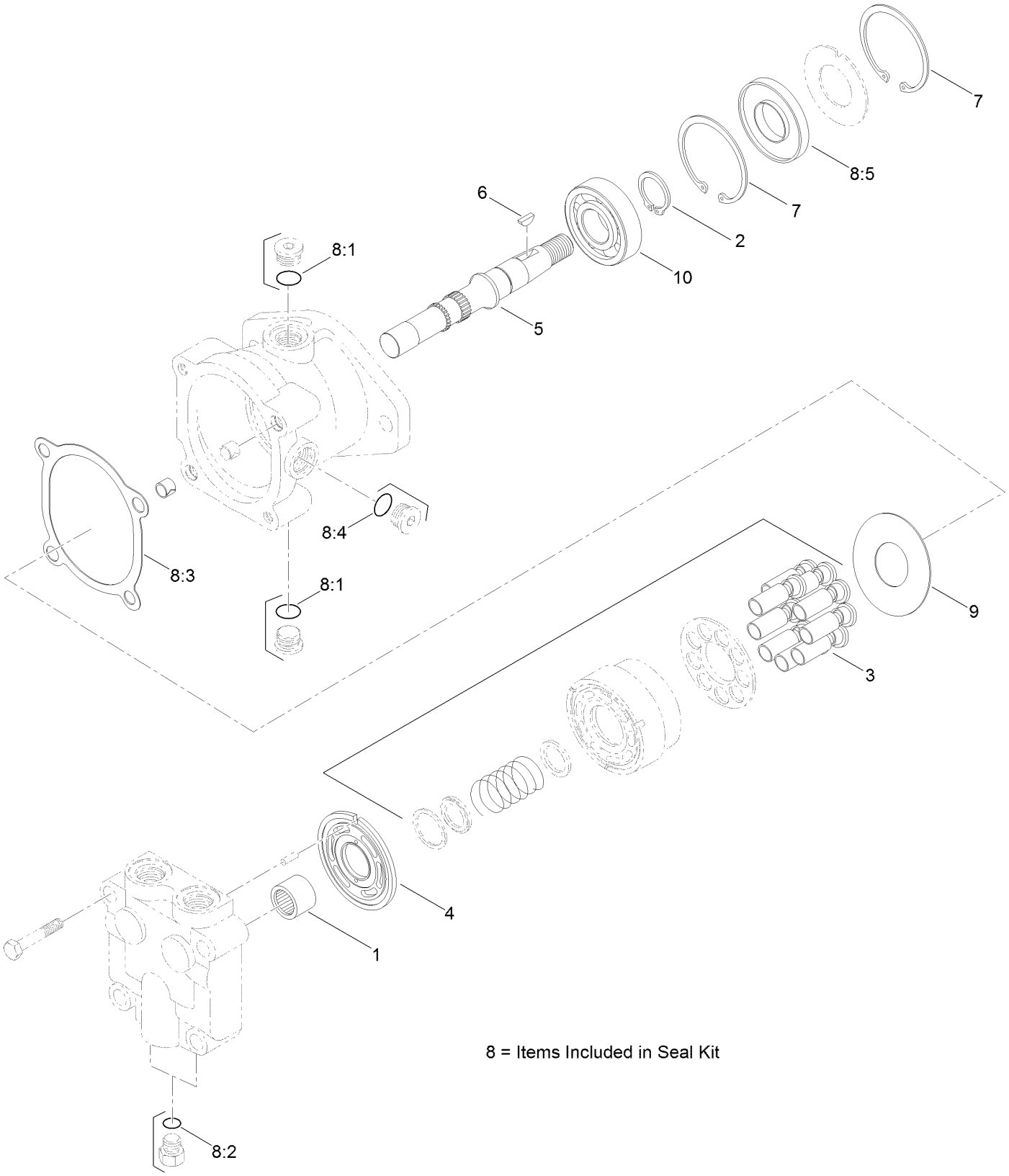
Cooler Assembly No. 127-0943



Cooler Assembly No. 127-0943 (continued)

Ref.	Part Number	Qty.	Description
1	AU130370	1	Cooler-Air, Charge
2	AU130371	1	Cooler-Radiator
3	AU130372	1	Cooler-Oil
4	AU130378	1	Shroud-Fan
5	125-6569	4	Plate-Mounting, Shroud
6	AU118001	1	Guard-Fan, 22 Inch
7	AU117996	1	Bracket-Mounting
8	130-7415	1	Fan-Cooling, 22 Inch
9	33105-030	4	Screw-HHF
10	103-9511	12	Nut-Lock, NI
11	33105-025	16	Screw-HHF
12	33104-020	8	Screw-HHF
13	33106-030	15	Screw-HHF
14	281-1	1	Plug-Pipe, SQH
15	AU118080	1	Tank-Fill/Surge

Hydraulic Motor Assembly No. AU118007

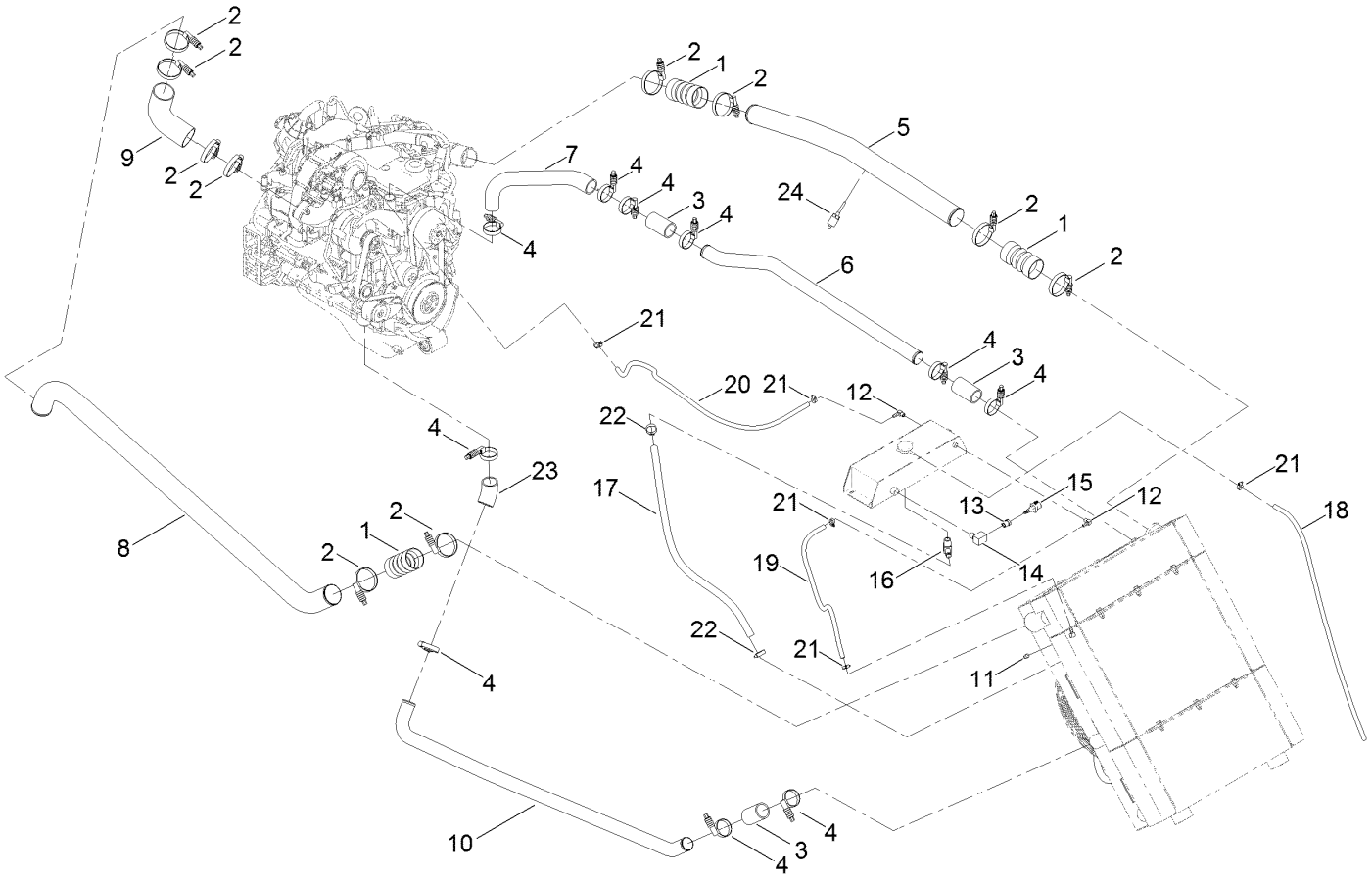


8 = Items Included in Seal Kit

Hydraulic Motor Assembly No. AU118007 (continued)

Ref.	Part Number	Qty.	Description
1	75-0500	1	Bearing-Needle
2	125-5280	1	Ring-Retaining
3	131-7619	9	Piston ASM
4	131-7620	1	Plate-Valve
5	131-7644	1	Shaft-Motor
6	131-8612	1	Key
7	131-8616	2	Ring-Retaining
8	131-8633	1	Overhaul Seal Kit
8:1	75-0240	2	O-Ring
8:2	92-8777	2	O-Ring
8:3	131-7618	1	Gasket-Cap, End
8:4	28-3570	1	O-Ring
8:5	127-6214	1	Seal-Lip
9	75-0400	1	Plate-Thrust
10	75-0460	1	Bearing-Ball

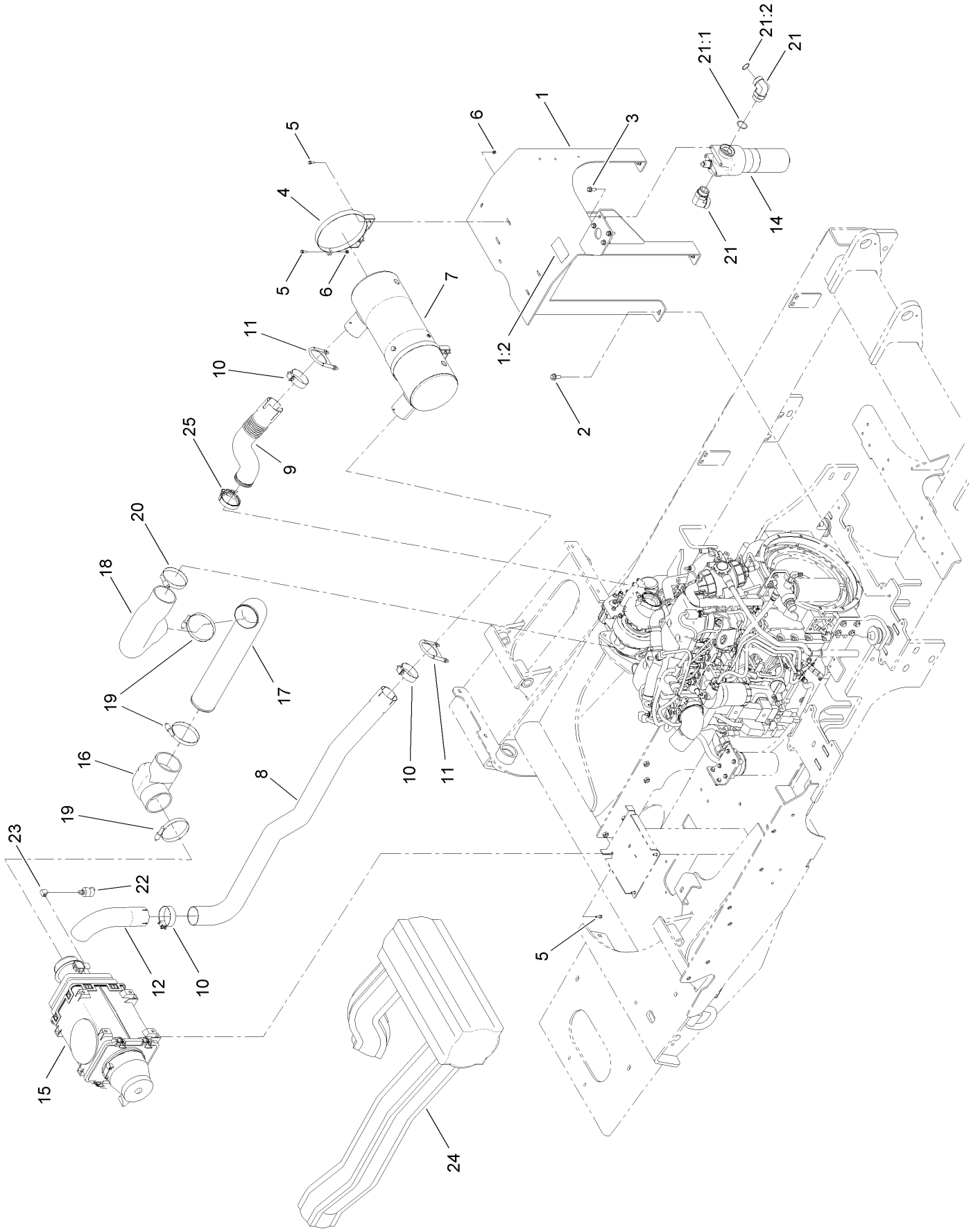
Cooling Package Hose and Clamp Assembly



Cooling Package Hose and Clamp Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU122225	3	Connector-Hose
2	AU21001153	10	Clamp-Torque, Constant
3	AU119806	3	Hose-Connecting
4	AU110569	10	Clamp-Torque, Constant
5	AU130257	1	Tube-Charge Air Out
6	AU130305	1	Tube-Radiator
7	AU130451	1	Hose-Radiator, Molded
8	AU130307	1	Tube-Charge Air In
9	AU130358	1	Elbow-90
10	AU130137	1	Tube-Radiator, Out
11	281-1	1	Plug-Pipe, SQH
12	354-93	3	Fitting-Elbow, 90
13	354-92	1	Bushing
14	93-1339	1	Elbow-Street, 90 DEG
15	110-8828	1	Sensor-Level, Coolant
16	AU217-135	1	Stem-90, Bead Hose
17	127-0947	1	Hose-Coolant
18	127-0948	1	Hose-Coolant
19	127-0949	1	Hose-Coolant
20	127-0950	1	Hose-Coolant
21	2412-36	5	Clamp-Hose
22	2412-34	2	Clamp-Hose
23	AU130857	1	Hose-Coolant, 45 Degree
24	AU129089	1	Transducer-Temperature

Engine Intake and Exhaust Assembly

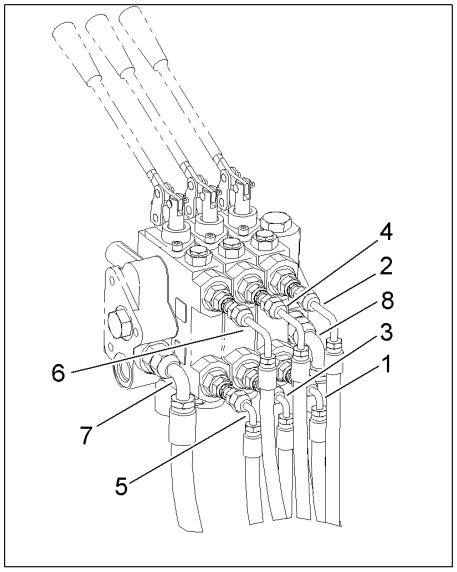


Engine Intake and Exhaust Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-0944	1	Exhaust Mount ASM
1:2	125-6129	1	Decal-Warning, Hot Surface
2	33106-020	4	Screw-HHF
3	3234-42	4	Screw-HHF
4	AU117217	2	Band-Mounting, Muffler
5	33103-020	10	Screw-HHF
6	81-0130	6	Nut-Flange, NI
7	125-6546	1	Exhaust
8	AU130306	1	Tube-Exhaust, Out
9	AU130386	1	Tube-Exhaust, Turbo
10	AU130579	3	Clamp-Torctite
11	AU8NG28118	2	Clamp-Guillotine
12	AUP206302	1	Pipe-Stack
14	AU118636	1	Filter-HYD, High Pressure
14:1	133-6217	1	Head ASM ●
14:2	133-6218	1	Bowl-Filter ●
14:3	133-6219	1	Filter Seal Kit ●
14:4	133-6220	1	O-Ring ●
14:5	133-6221	1	Backup Ring ●
14:6	AU125774	1	Indicator-Filter ●
14:7	133-6222	1	Bypass Valve ASM ●
14:8	133-6223	1	Bushing ●
14:9	133-6224	1	Plug ASM ●
14:10	AU120530	1	Filter-Element ●
15	125-6545	1	Air Cleaner ASM
15:1	131-7352	1	Cleaner-Air ●
15:2	131-0199	1	Secondary Element ●
15:3	131-8646	1	Dust Ejection Valve ●
15:4	131-8647	4	M6 Mounting Clips ●
15:5	131-8648	1	Front Service Cover ●
15:6	131-8649	1	Pre-Cleaner ●
16	AU130446	1	Elbow-Intake, Air Cleaner
17	AU130308	1	Tube-Intake, Turbo
18	AU130458	1	Hose-Intake, Turbo
19	AU102427	3	Clamp-Torque, Constant
20	AU102431	1	Clamp-Torque, Constant
21	340-52	2	Fitting-Elbow, 90
21:1	237-101	1	O-Ring
21:2	340-64	1	O-Ring
22	AU293797A1	1	Switch ASM
23	AU217-1050	1	Fitting-Elbow, 90
24	AU130657	1	Wrap-Exhaust
25	AUA170467	1	Clamp

● Not illustrated

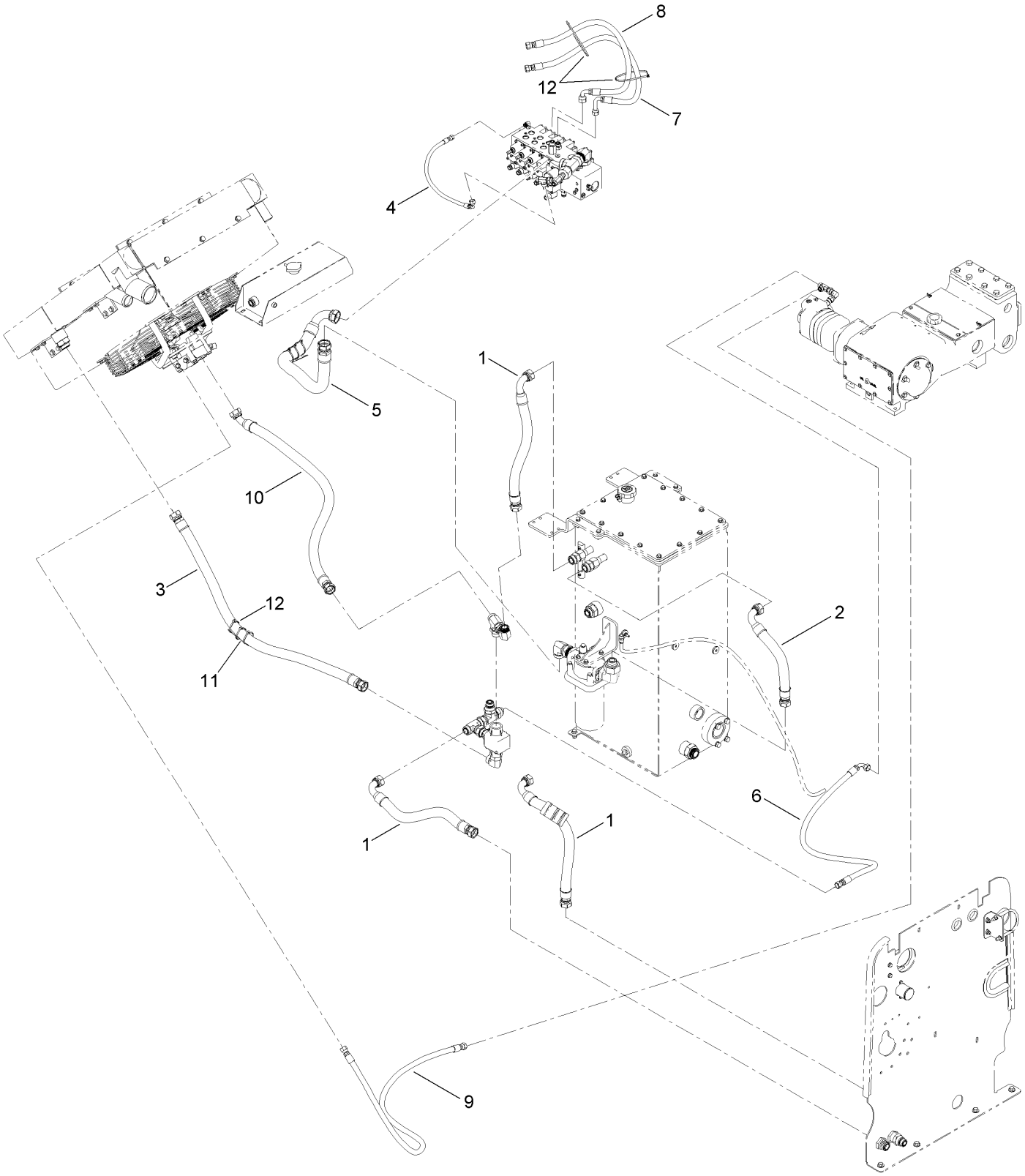
3 Spool Hydraulic Valve Plumbing Assembly



3 Spool Hydraulic Valve Plumbing Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU119767	1	Hose ASM-HYD
2	AU119768	1	Hose ASM-HYD
3	AU119769	1	Hose ASM-HYD
4	AU119770	1	Hose ASM-HYD
5	AU119771	1	Hose ASM-HYD
6	AU119772	1	Hose ASM-HYD
7	AU119799	1	Hose ASM-HYD
8	AU121093	1	Hose ASM-HYD
9	3290-379	6	Tie-Cable

Hydraulic Tank Hose Plumbing Assembly



Hydraulic Tank Hose Plumbing Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU119779	3	Hose ASM-HYD
2	AU119790	1	Hose ASM-HYD
3	AU119798	1	Hose ASM-HYD
4	AU119801	1	Hose ASM-HYD
5	AU120423	1	Hose ASM-HYD
6	AU120425	1	Hose ASM-HYD
7	AU120426	1	Hose ASM-HYD
8	AU120427	1	Hose ASM-HYD
9	AU120428	1	Hose ASM-HYD
10	AU119796	1	Hose ASM-HYD
11	AU112950	3	Protector-Hose, 4 Inch
12	3290-379	11	Tie-Cable

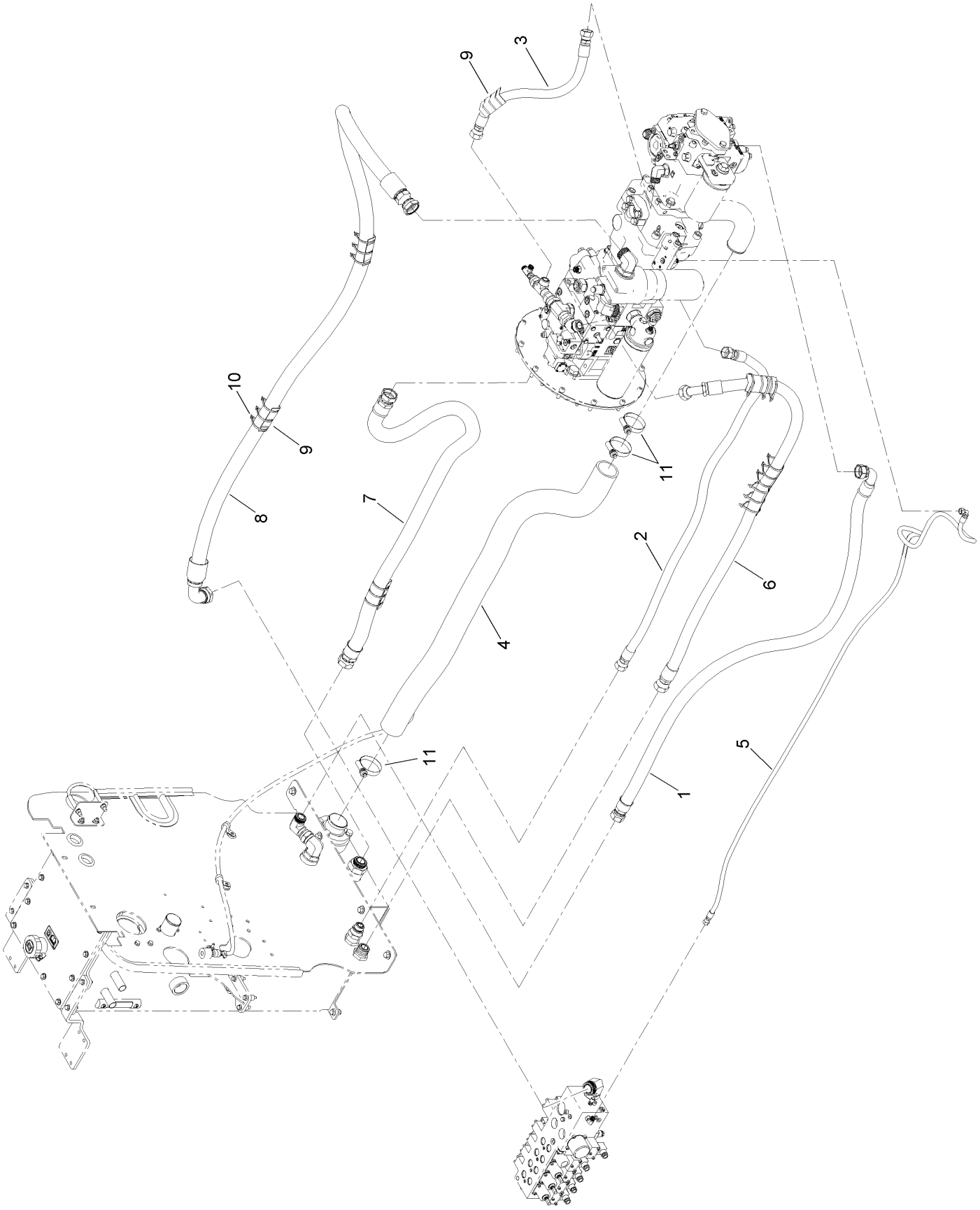
Track Pod Hydraulic Plumbing Assembly



Track Pod Hydraulic Plumbing Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU119747	1	Hose ASM-HYD
2	AU119748	1	Hose ASM-HYD
3	AU119749	1	Hose ASM-HYD
4	AU119750	1	Hose ASM-HYD
5	127-0855	1	Hose ASM-HYD
6	AU119775	1	Hose ASM-HYD
7	127-0770	1	Hose ASM-HYD
8	AU119778	1	Hose ASM-HYD
9	AU119783	1	Hose ASM-HYD
10	AU121962	1	Hose ASM-HYD
11	127-0868	1	Hose ASM-HYD
12	AU121097	1	Hose ASM-HYD
13	AU112950	1	Protector-Hose, 4 Inch
14	3290-379	4	Tie-Cable

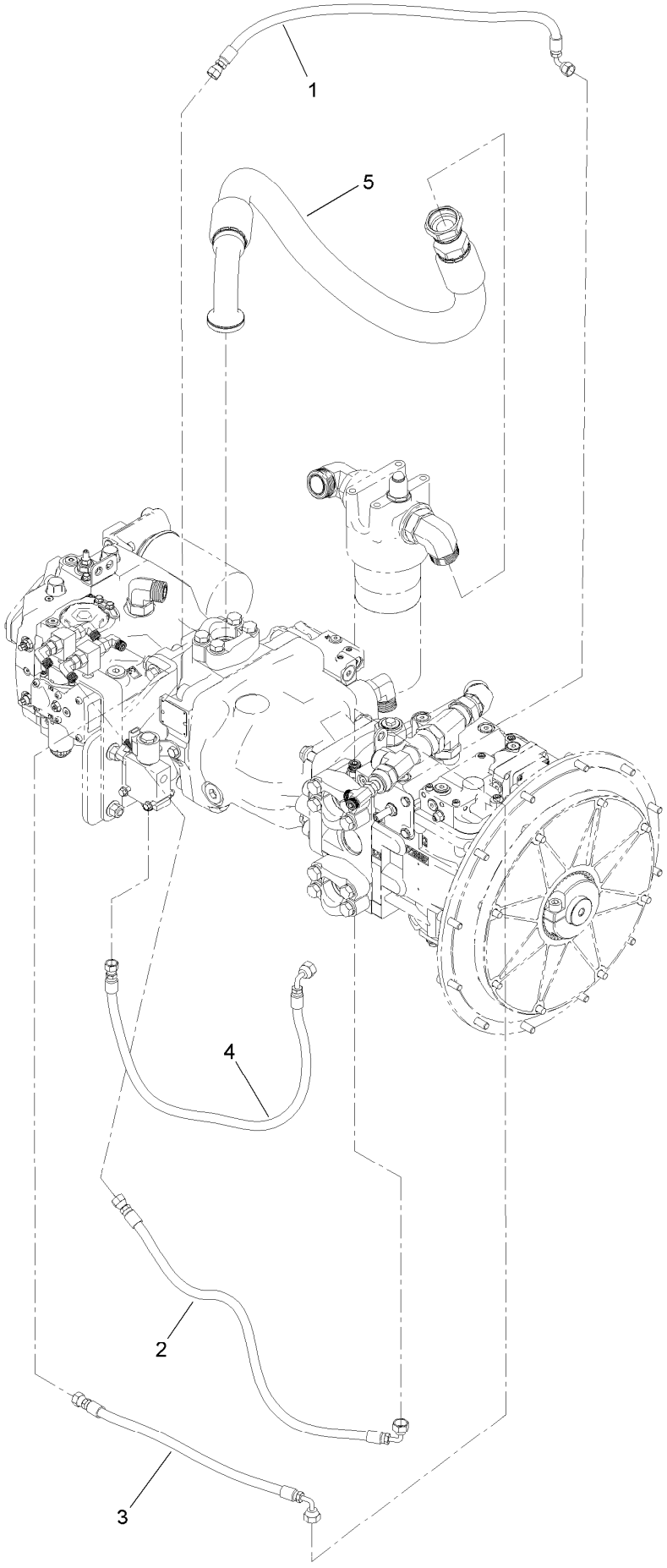
Hydraulic Pump Hose Assembly No. 1



Hydraulic Pump Hose Assembly No. 1 (continued)

Ref.	Part Number	Qty.	Description
1	AU121089	1	Hose ASM-HYD
2	AU126529	1	Hose ASM-HYD
3	AU119776	1	Hose ASM-HYD
4	AU119795	1	Hose-Suction
5	AU120424	1	Hose ASM-HYD
6	AU120735	1	Hose ASM-HYD
7	AU120737	1	Hose ASM-HYD
8	AU121870	1	Hose ASM-HYD
9	AU112950	7	Protector-Hose, 4 Inch
10	3290-379	21	Tie-Cable
11	104-9240	3	Clamp-Hose

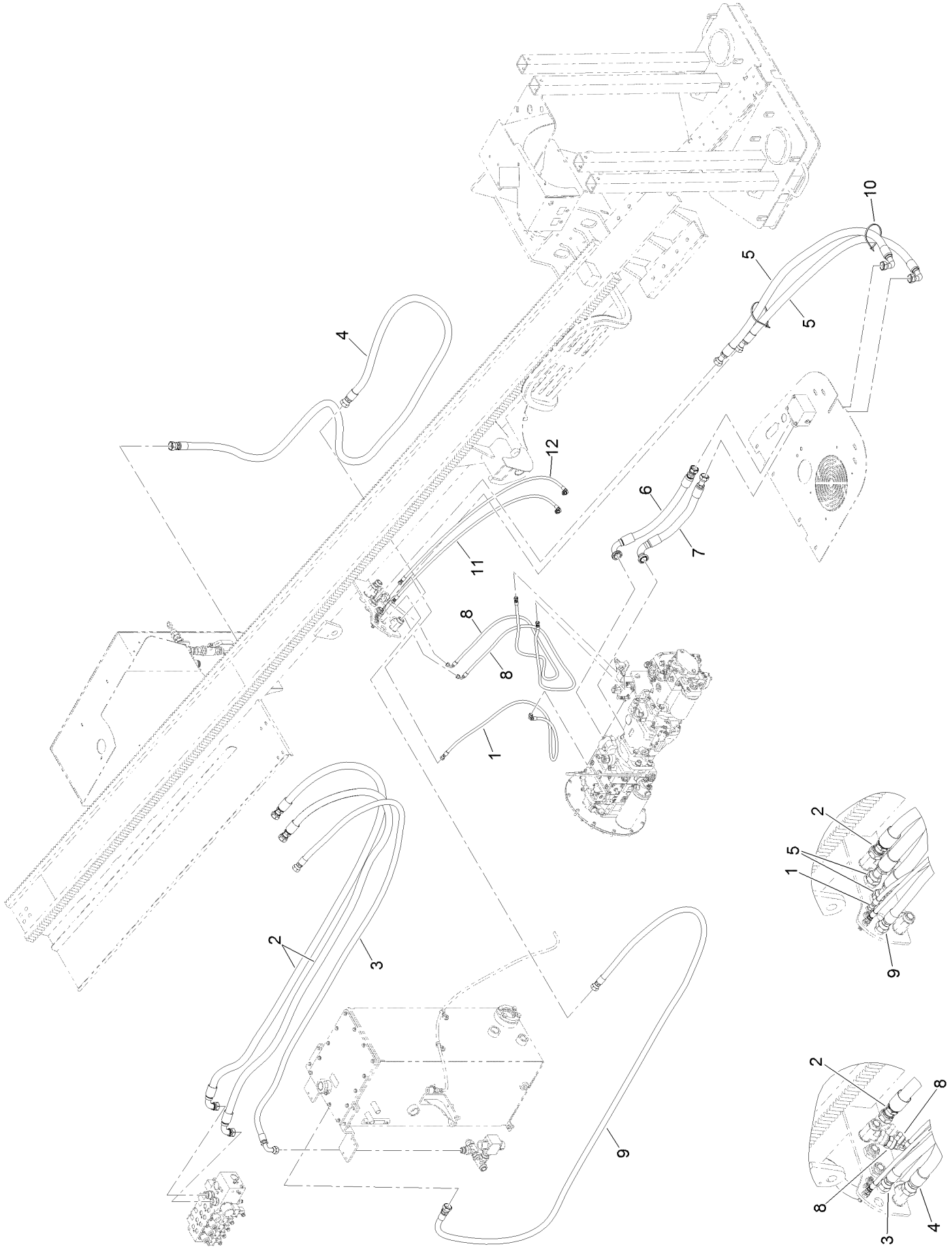
Hydraulic Pump Hose Assembly No. 2



Hydraulic Pump Hose Assembly No. 2 (continued)

Ref.	Part Number	Qty.	Description
1	AU119797	1	Hose ASM-HYD
2	127-0857	1	Hose ASM-HYD
3	AU120430	1	Hose ASM-HYD
4	AU126526	1	Hose ASM-HYD
5	AU121899	1	Hose ASM-HYD

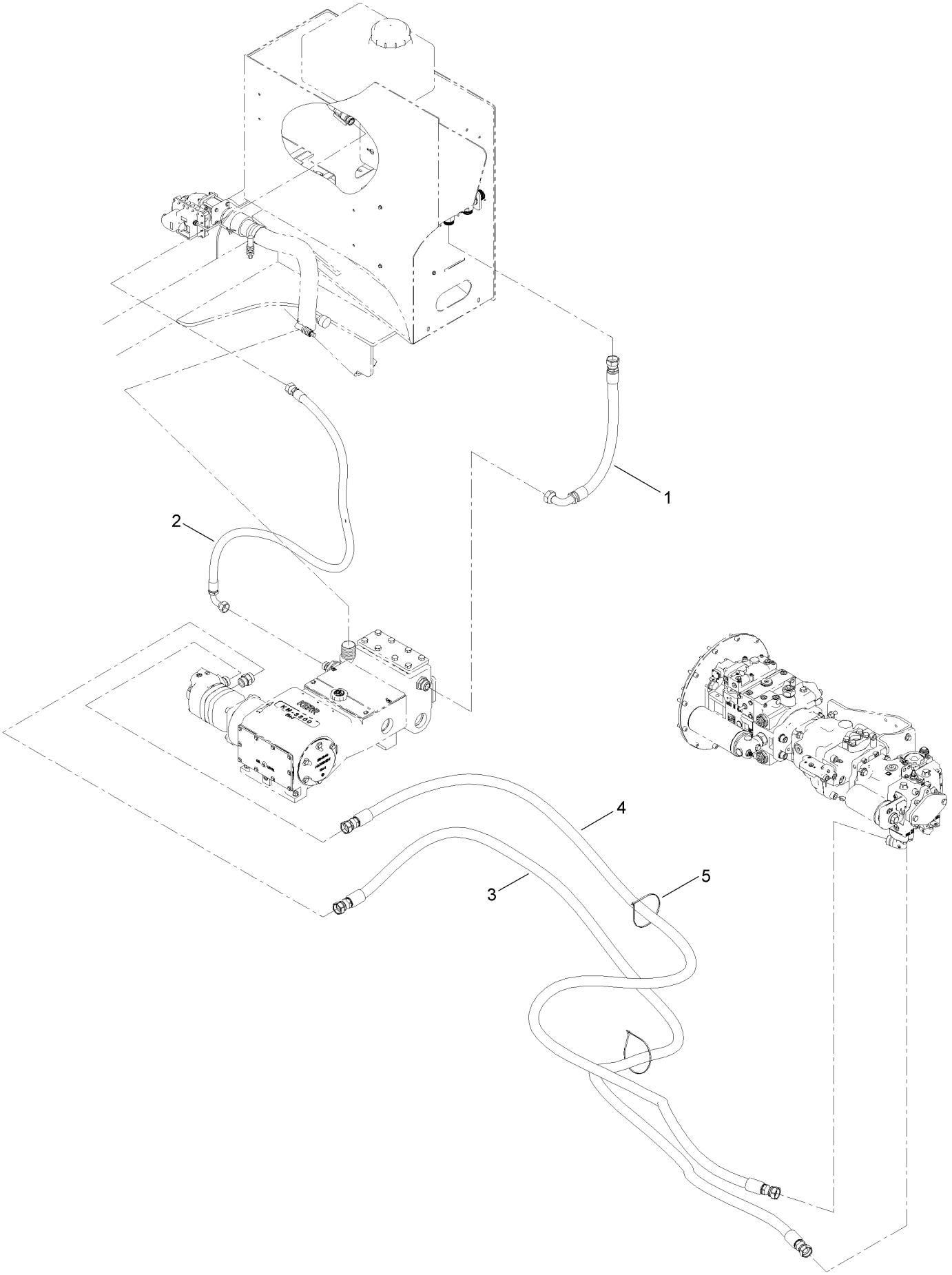
Hydraulic Pump Hose Assembly No. 3



Hydraulic Pump Hose Assembly No. 3 (continued)

Ref.	Part Number	Qty.	Description
1	AU120738	1	Hose ASM-HYD
2	AU120740	2	Hose ASM-HYD
3	AU120745	1	Hose ASM-HYD
4	AU120746	1	Hose ASM-HYD
5	AU126530	2	Hose ASM-HYD
6	132-5702	1	Hose ASM-HYD
7	AU126534	1	Hose ASM-HYD
8	AU120734	2	Hose ASM-HYD
9	127-0862	1	Hose ASM-HYD
10	3334-945	2	Tie-Cable
11	131-9027	1	Hose ASM-HYD
12	133-9590	1	Hose ASM-HYD

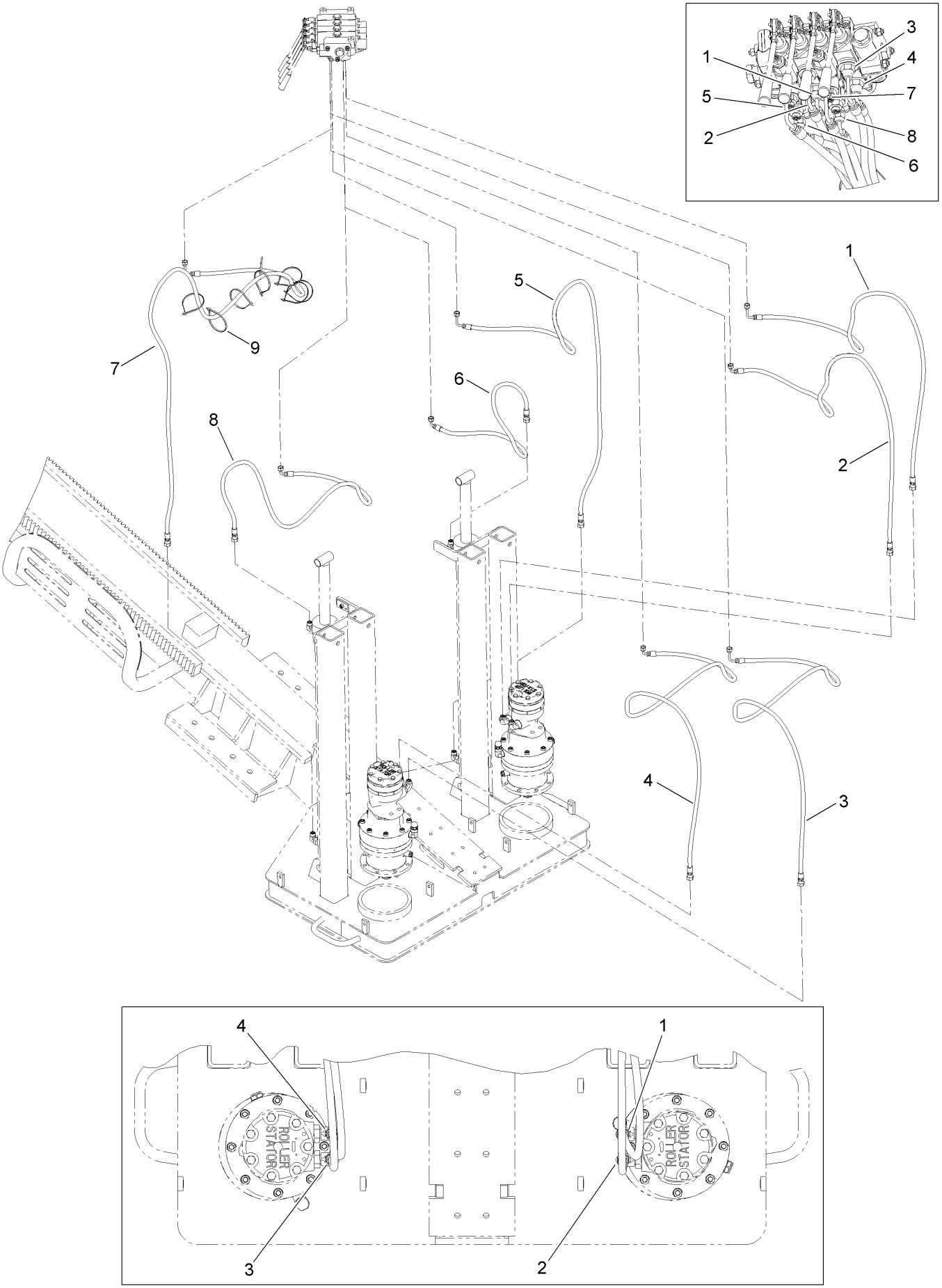
Hydraulic Pump Hose Assembly No. 4



Hydraulic Pump Hose Assembly No. 4 (continued)

Ref.	Part Number	Qty.	Description
1	AU117617	1	Hose ASM-HYD
2	AU119780	1	Hose ASM-HYD
3	AU126527	1	Hose ASM-HYD
4	AU126528	1	Hose ASM-HYD
5	3290-379	2	Tie-Cable

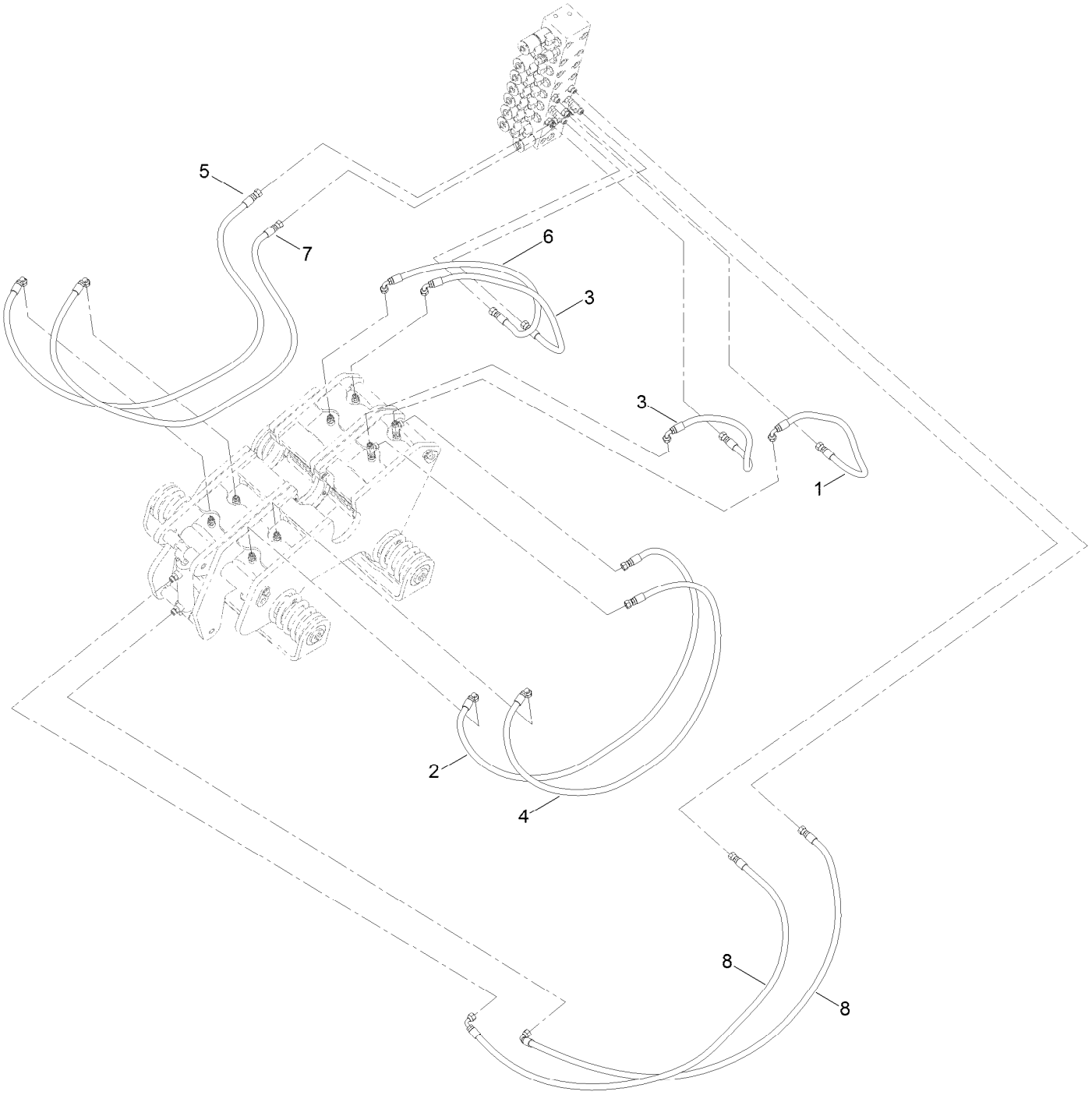
Thrust Frame Hydraulic Hose Assembly No. 1



Thrust Frame Hydraulic Hose Assembly No. 1 (continued)

Ref.	Part Number	Qty.	Description
1	AU126536	1	Hose ASM-HYD
2	AU126537	1	Hose ASM-HYD
3	AU126538	1	Hose ASM-HYD
4	AU126539	1	Hose ASM-HYD
5	AU126540	1	Hose ASM-HYD
6	AU126541	1	Hose ASM-HYD
7	AU126542	1	Hose ASM-HYD
8	AU126543	1	Hose ASM-HYD
9	3290-379	8	Tie-Cable

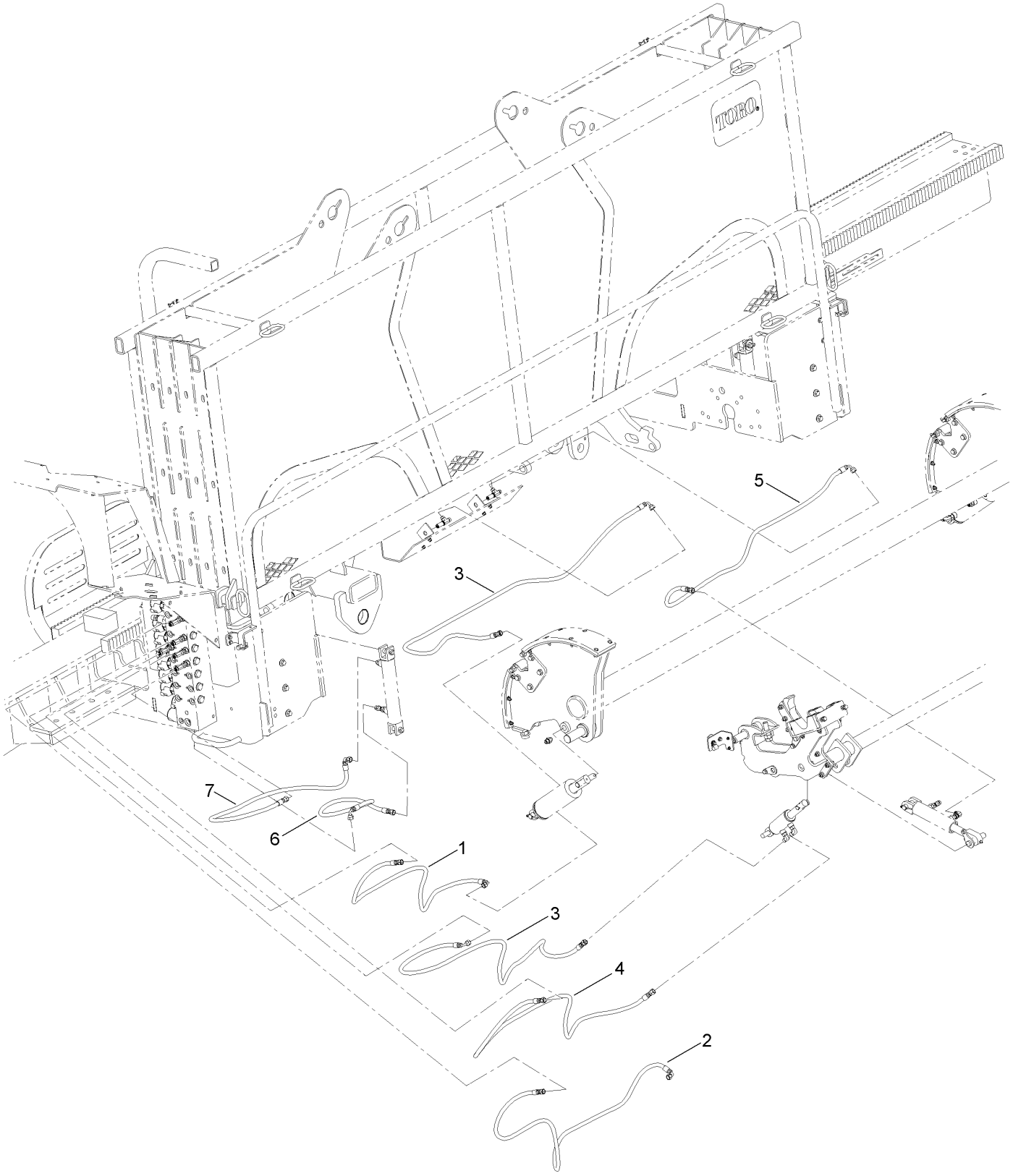
Thrust Frame Hydraulic Hose Assembly No. 2



Thrust Frame Hydraulic Hose Assembly No. 2 (continued)

Ref.	Part Number	Qty.	Description
1	127-0858	1	Hose ASM-HYD
2	127-0859	1	Hose ASM-HYD
3	127-0860	2	Hose ASM-HYD
4	127-0866	1	Hose ASM-HYD
5	131-0037	1	Hose ASM-HYD
6	127-0864	1	Hose ASM-HYD
7	131-0036	1	Hose ASM-HYD
8	131-0061	2	Hose ASM-HYD

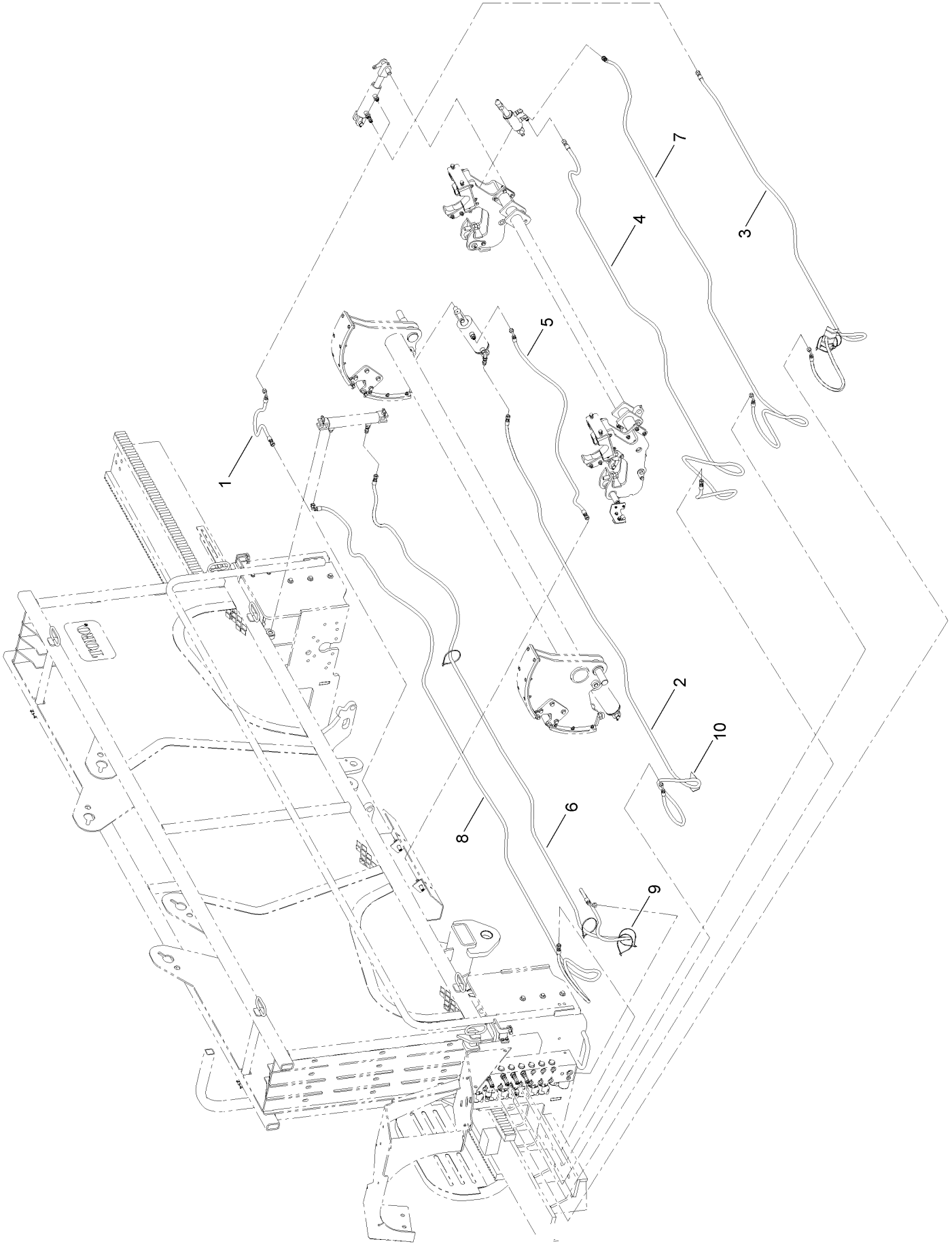
Thrust Frame Hydraulic Hose Assembly No. 3



Thrust Frame Hydraulic Hose Assembly No. 3 (continued)

Ref.	Part Number	Qty.	Description
1	AU121102	1	Hose ASM-HYD
2	AU120757	1	Hose ASM-HYD
3	AU120764	2	Hose ASM-HYD
4	AU120761	1	Hose ASM-HYD
5	AU120732	1	Hose ASM-HYD
6	AU120765	1	Hose ASM-HYD
7	AU120769	1	Hose ASM-HYD

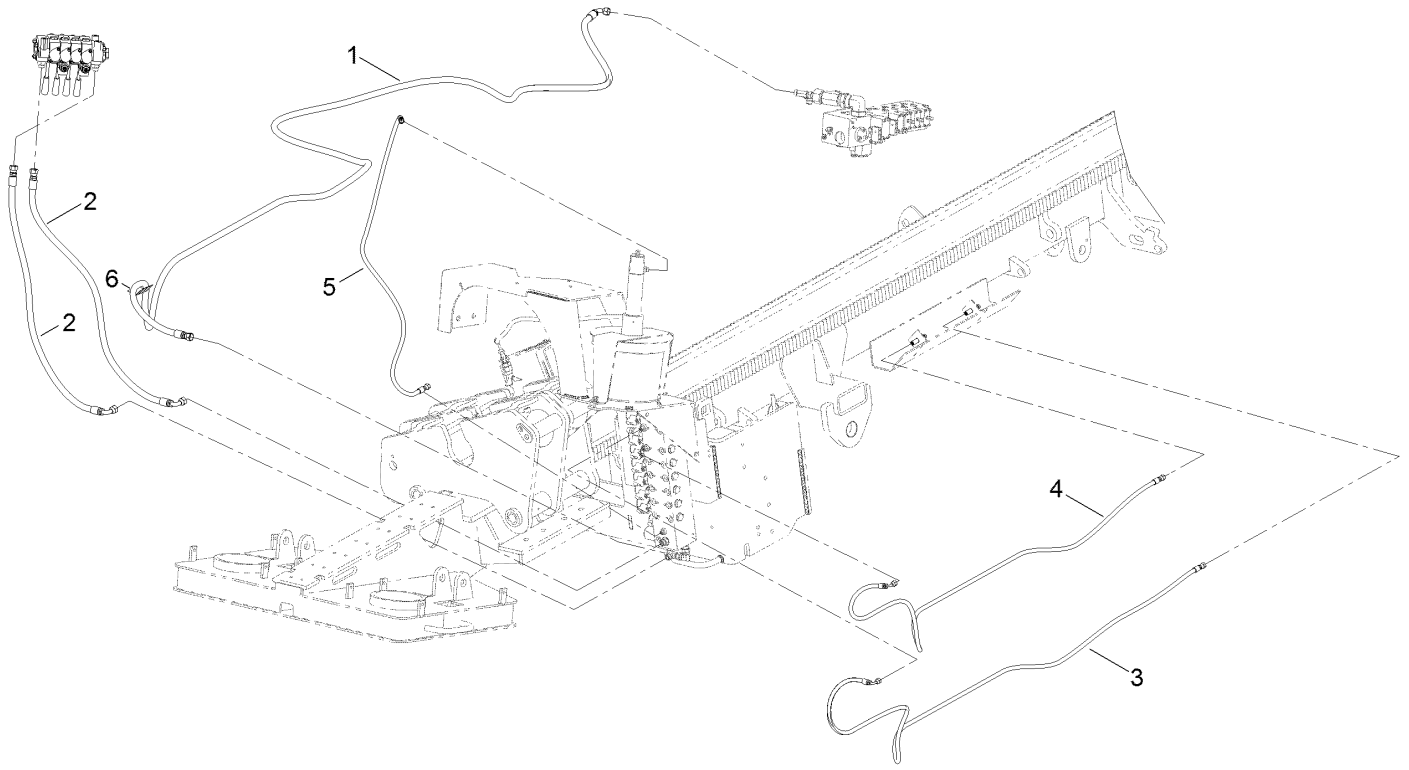
Thrust Frame Hydraulic Hose Assembly No. 4



Thrust Frame Hydraulic Hose Assembly No. 4 (continued)

Ref.	Part Number	Qty.	Description
1	AU119797	1	Hose ASM-HYD
2	AU120758	1	Hose ASM-HYD
3	AU120759	1	Hose ASM-HYD
4	AU120762	1	Hose ASM-HYD
5	AU120732	1	Hose ASM-HYD
6	AU120766	1	Hose ASM-HYD
7	AU120767	1	Hose ASM-HYD
8	AU120768	1	Hose ASM-HYD
9	3290-379	7	Tie-Cable
10	AU112950	2	Protector-Hose, 4 Inch

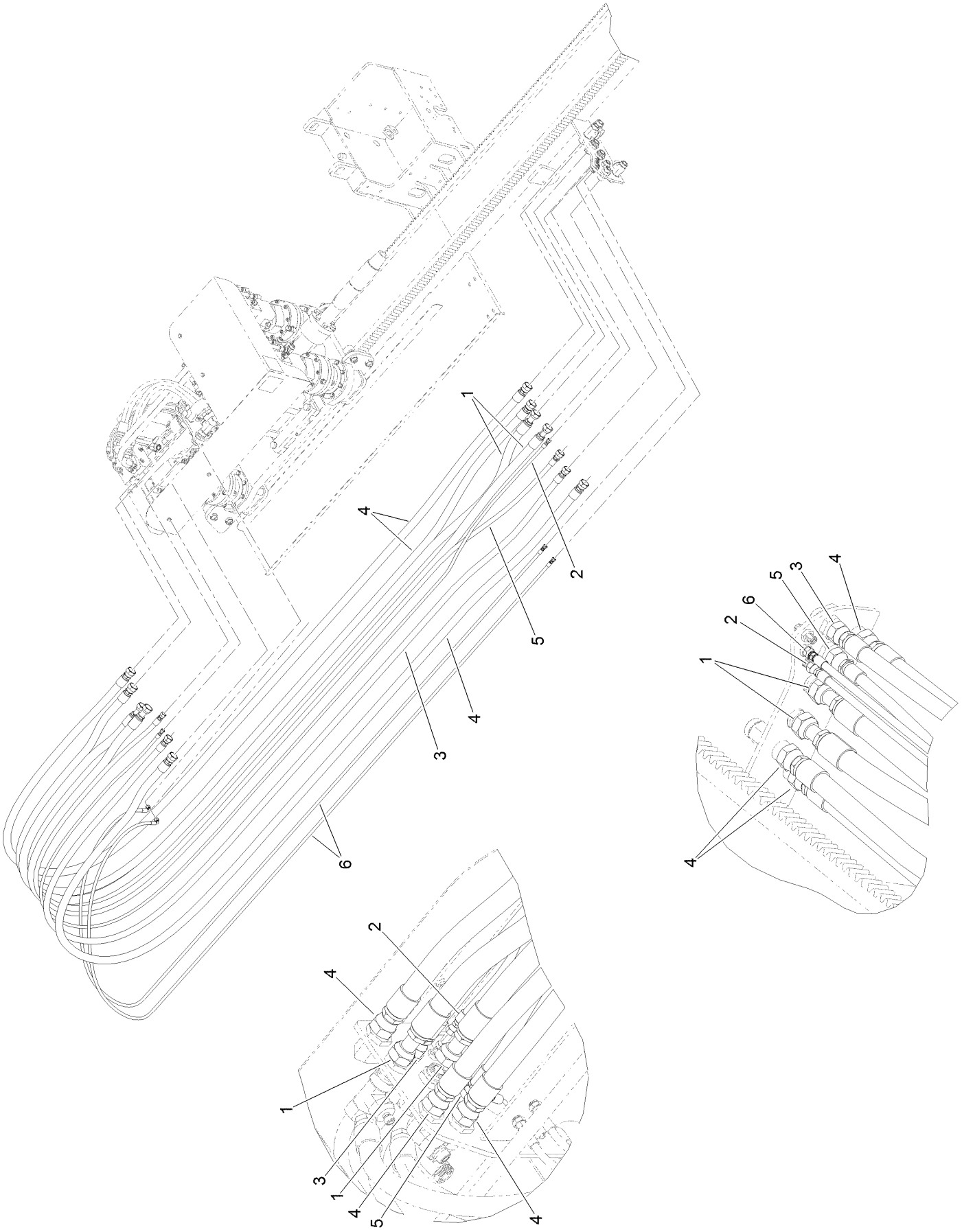
Thrust Frame Hydraulic Hose Assembly No. 5



Thrust Frame Hydraulic Hose Assembly No. 5 (continued)

Ref.	Part Number	Qty.	Description
1	AU121097	1	Hose ASM-HYD
2	AU121963	2	Hose ASM-HYD
3	AU121100	1	Hose ASM-HYD
4	AU120763	1	Hose ASM-HYD
5	127-0899	1	Hose ASM-HYD
6	AU112950	1	Protector-Hose, 4 Inch

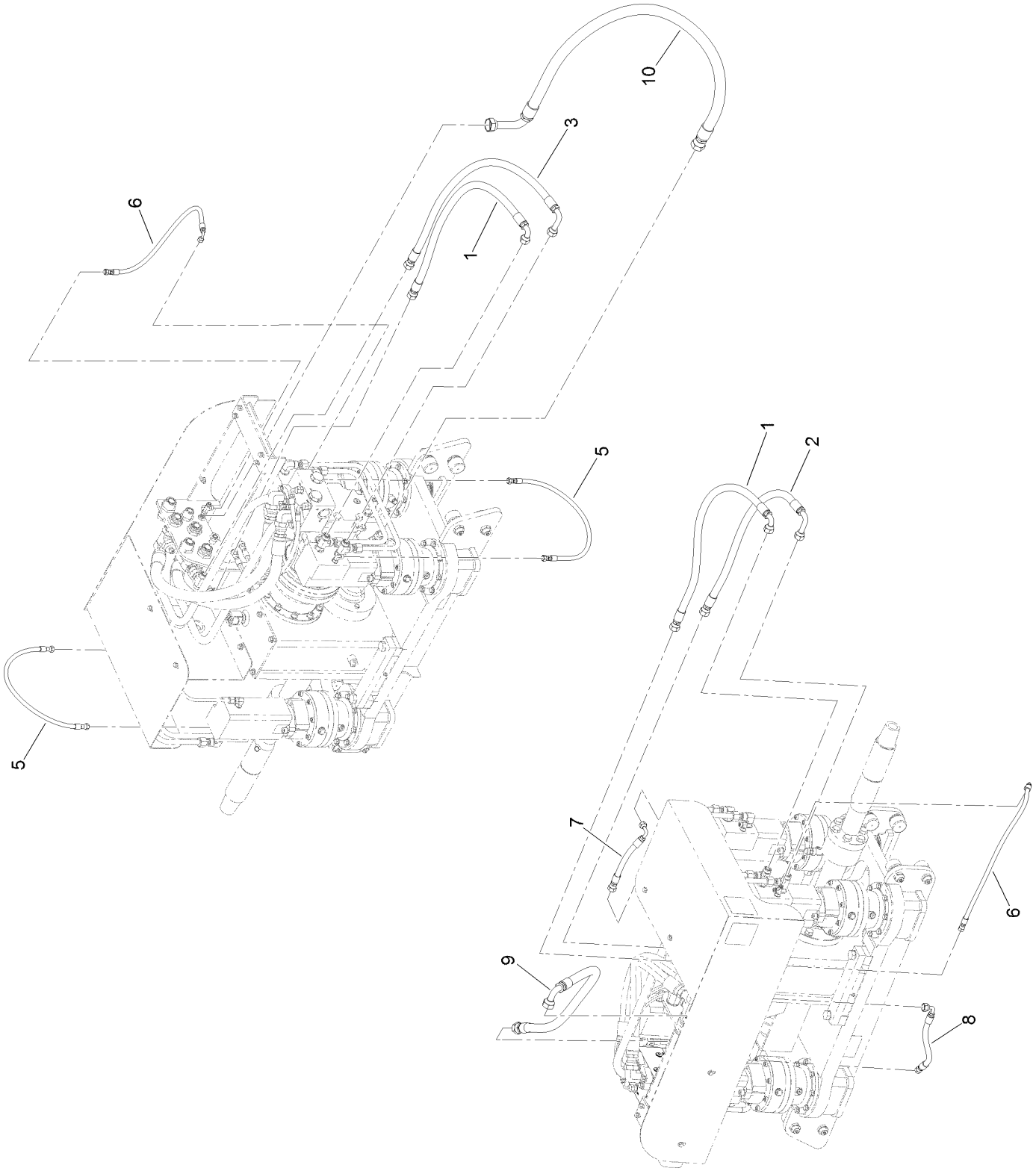
Thrust Frame Hydraulic Hose Assembly No. 6



Thrust Frame Hydraulic Hose Assembly No. 6 (continued)

Ref.	Part Number	Qty.	Description
1	AU120742	2	Hose ASM-HYD
2	AU121098	1	Hose ASM-HYD
3	AU121777	1	Hose ASM-HYD
4	AU121780	3	Hose ASM-HYD
5	127-0861	1	Hose ASM-HYD
6	133-9569	2	Hose ASM-HYD

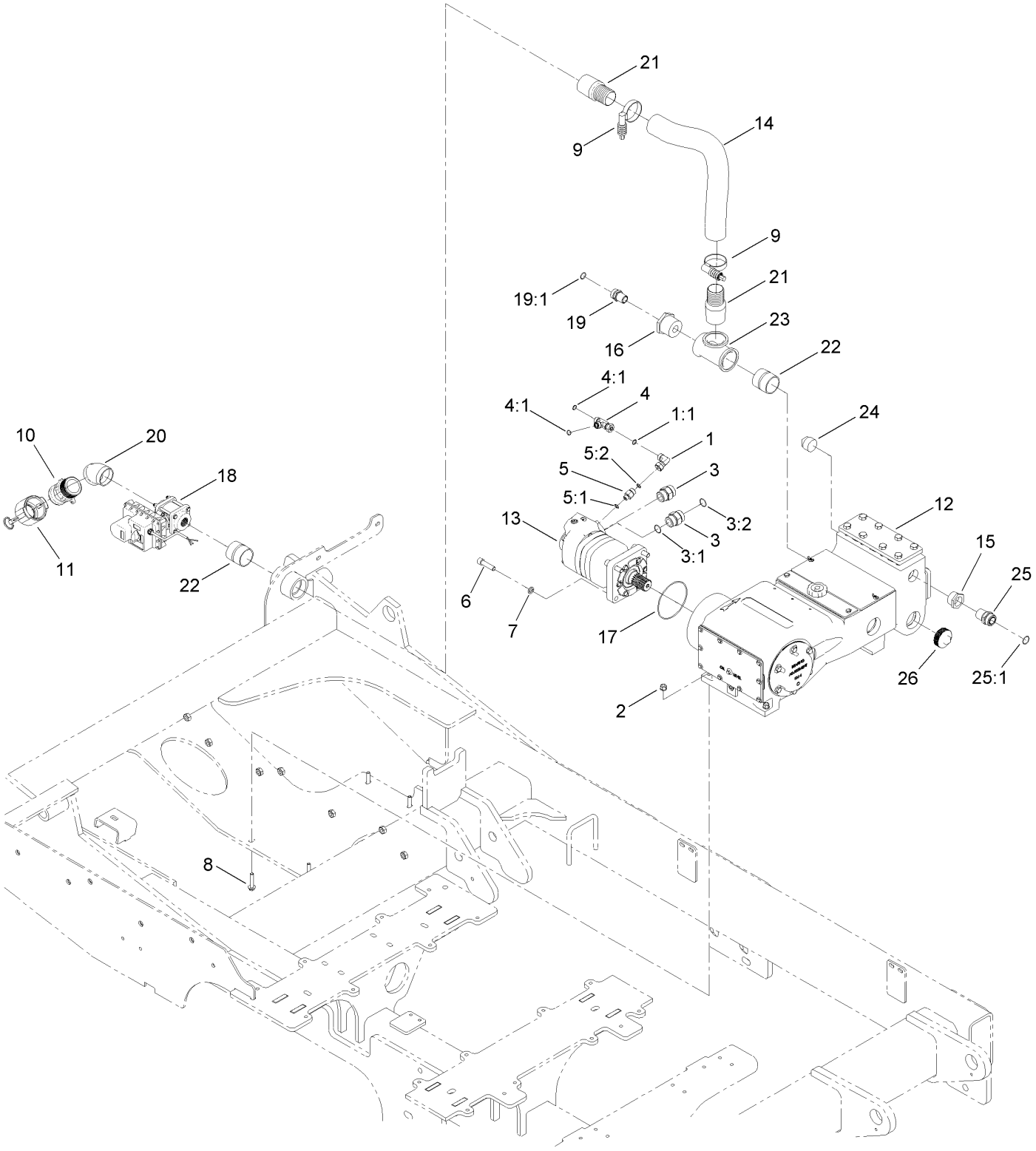
Thrust Frame Hydraulic Hose Assembly No. 7



Thrust Frame Hydraulic Hose Assembly No. 7 (continued)

Ref.	Part Number	Qty.	Description
1	AU120731	2	Hose ASM-HYD
2	AU121090	1	Hose ASM-HYD
3	AU121091	1	Hose ASM-HYD
5	AU119794	2	Hose ASM-HYD
6	127-0770	2	Hose ASM-HYD
7	AU120743	1	Hose ASM-HYD
8	AU120744	1	Hose ASM-HYD
9	AU126535	1	Hose ASM-HYD
10	AU121099	1	Hose ASM-HYD

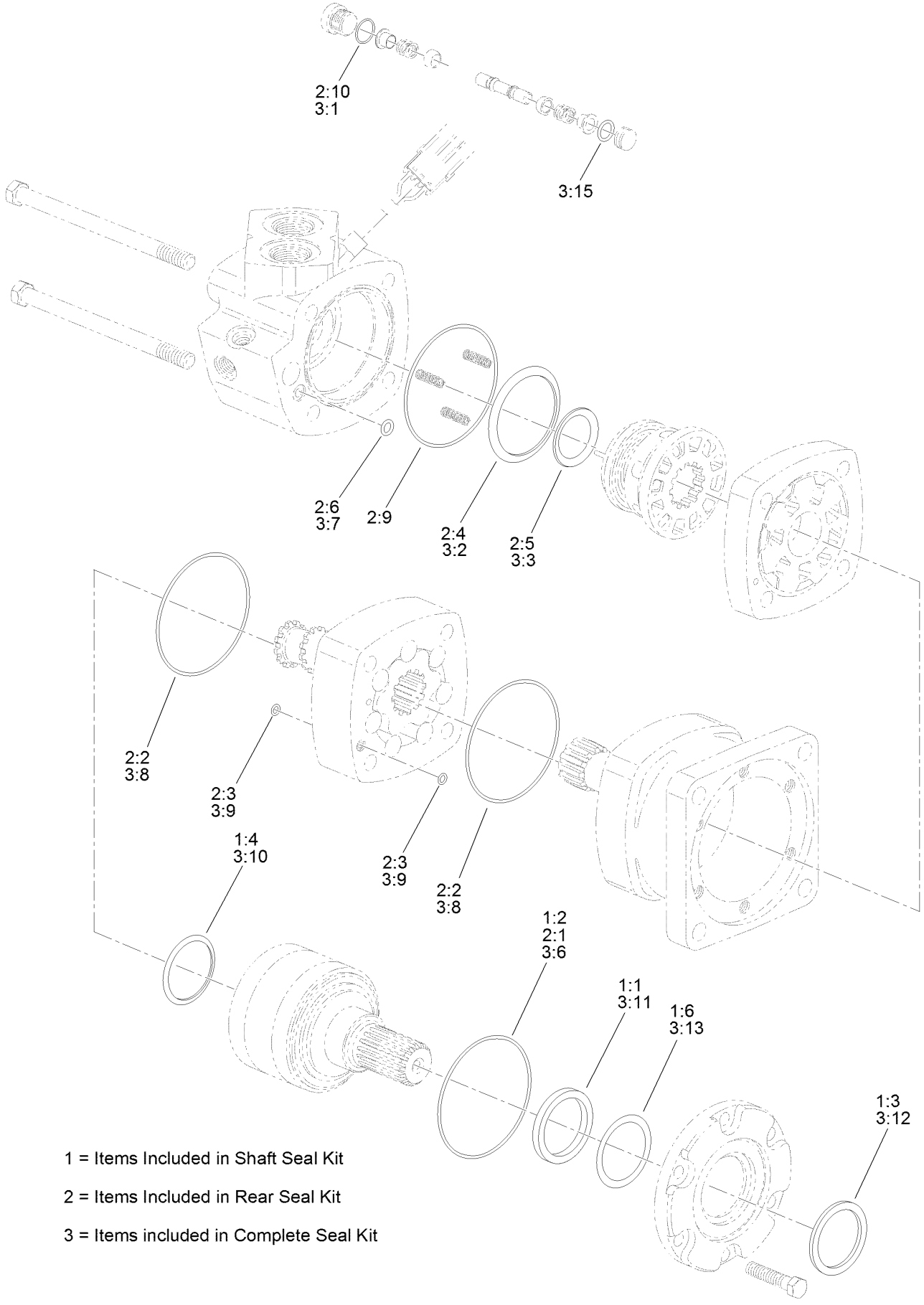
Mud Pump Assembly



Mud Pump Assembly (continued)

Ref.	Part Number	Qty.	Description
1	94-6031	1	Fitting-HYD
1:1	237-30	1	O-Ring
2	103-9511	4	Nut-Lock, NI
3	104-3797	2	Fitting-HYD, Straight
3:1	237-146	1	O-Ring
3:2	340-65	1	O-Ring
4	340-104	1	Fitting-HYD, Tee
4:1	237-30	2	O-Ring
5	340-5	1	Fitting-Straight
5:1	237-42	1	O-Ring
5:2	237-30	1	O-Ring
6	3274-5	4	Screw-HSH
7	3253-7	4	Washer-Lock
8	33105-050	4	Screw-HHF
9	AU110569	2	Clamp-Torque, Constant
10	AU110378	1	Adapter-Male
11	AU110379	1	Cap-Disconect, Quick
12	127-5292	1	Mud Pump ASM
13	AU117459	1	HYD Motor ASM
14	AU119785	1	Hose-Suction
15	AU221-70	1	Fitting-Reducer
16	AU65-CI-1750	1	Fitting-Reducer
17	AU70-9004104-158	1	Seal-O Ring
18	AU6HV29033	1	2 Inch Ball Valve ASM (Electric)
19	AU8OA11212	1	Fitting-Straight
19:1	237-58	1	O-Ring
20	AU8PE15032	1	Elbow-Pipe, 45 DEG
21	AU8PN11332	2	Nipple-Combination
22	AU8PN23200	2	Nipple-Pipe
23	AU8PT10032	1	Tee-Pipe
24	127-0977	1	Plug-Square Head
25	AU8OA11616	1	Fitting-Straight
25:1	340-65	1	O-Ring
26	AU8PP10032	1	Plug-Pipe, Square Head

Hydraulic Motor Assembly No. AU117459



1 = Items Included in Shaft Seal Kit

2 = Items Included in Rear Seal Kit

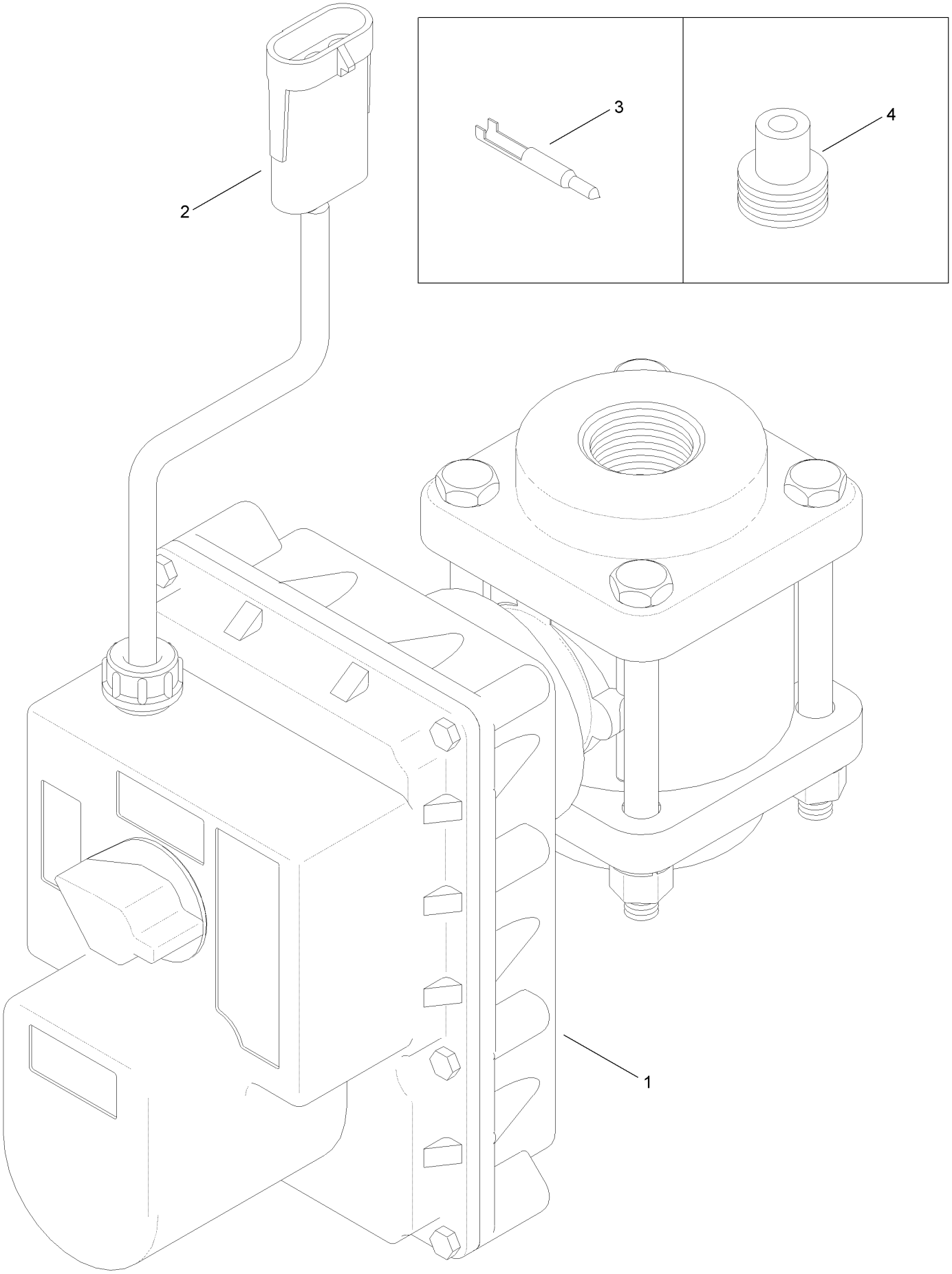
3 = Items included in Complete Seal Kit

Hydraulic Motor Assembly No. AU117459 (continued)

Ref.	Part Number	Qty.	Description
1	131-3439	1	Seal Kit
1:1		1	Seal ●
1:2		1	O-Ring ●
1:3		1	Seal-Dust ●
1:4		1	Seal-Face, Shaft ●
1:6		1	Ring-Backup ●
2	131-3440	1	Seal Kit
2:1		1	O-Ring ●
2:2		2	O-Ring ●
2:3		2	O-Ring ●
2:4		1	Seal-Face, Outer ●
2:5		1	Seal-Face, Inner ●
2:6		1	O-Ring ●
2:9		1	Seal ●
2:10		2	O-Ring ●
3	131-3441	1	Seal Kit
3:1		1	O-Ring ●
3:2		1	Seal-Face, Outer ●
3:3		1	Seal-Face, Inner ●
3:6		2	O-Ring ●
3:7		1	O-Ring ●
3:8		2	O-Ring ●
3:9		2	O-Ring ●
3:10		1	Seal-Shaft Face ●
3:11		1	Seal ●
3:12		1	Seal-Dust ●
3:13		1	Ring-Backup ●
3:15		1	O-Ring ●

● Not serviced separately

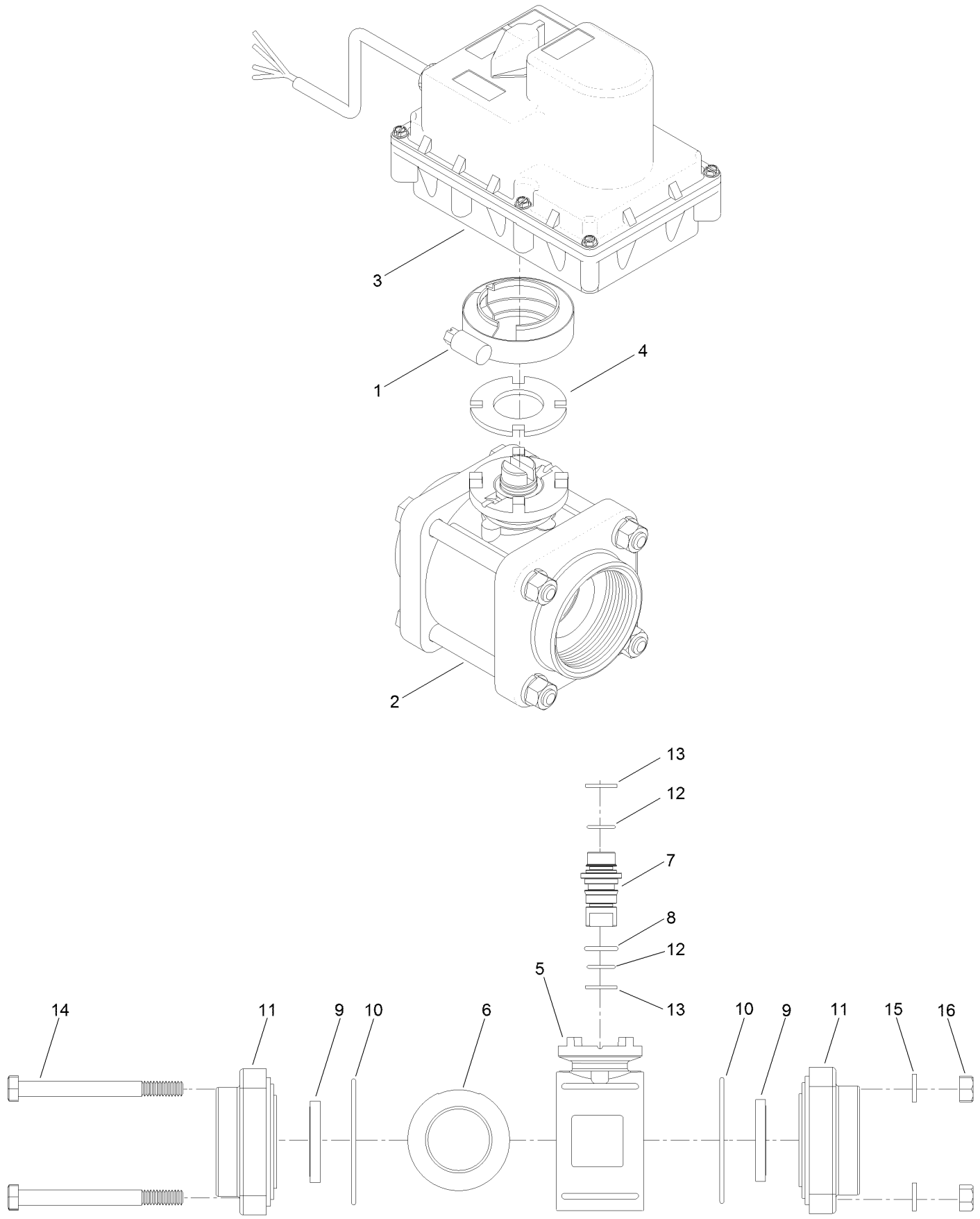
2 Inch Ball Valve Assembly No. AU6HV29033



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

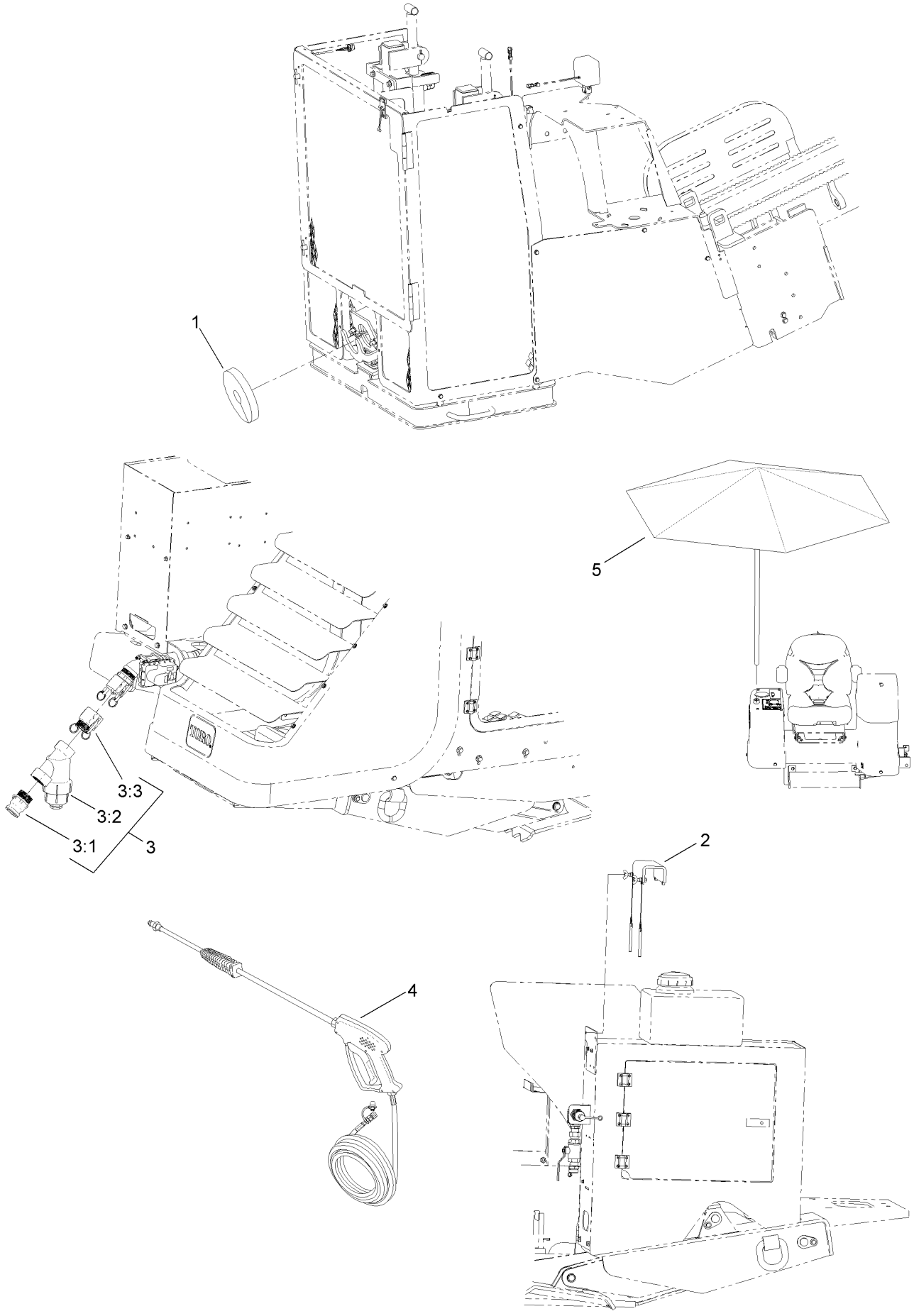
Water Shutoff Valve Assembly No. AU8HV29033



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

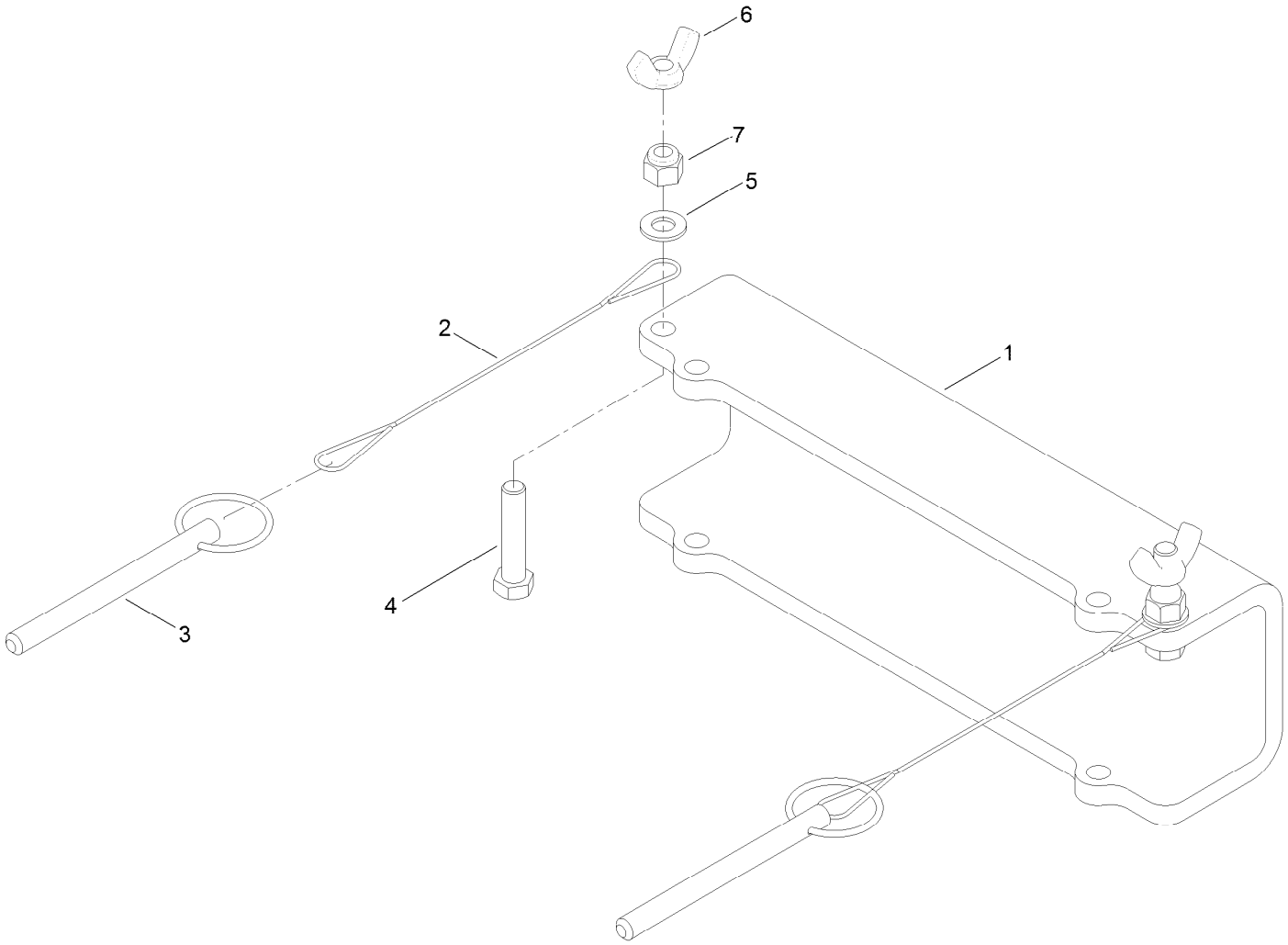
Umbrella, Wash Down Wand, Cylinder Lockout Y-strainer and Split Wiper Assembly



Umbrella, Wash Down Wand, Cylinder Lockout Y-strainer and Split Wiper Assembly (continued)

Ref.	Part Number	Qty.	Description
1	AU116192	1	Wiper-Split
2	AU114336	1	Cylinder Lockout ASM
3	AU32GB1215	1	2 Inch Strainer Kit
3:1	AU110378	1	Adapter-Male
3:2	AU8FL10017	1	Y-Strainer, 2 NPTF (6 Mesh Screen)
3:3	AU8CH21332	1	Fitting-Camlok, 2 Inch (Female)
4	127-0991	1	Wash Down Wand ASM
5	127-5273	1	Umbrella-Toro

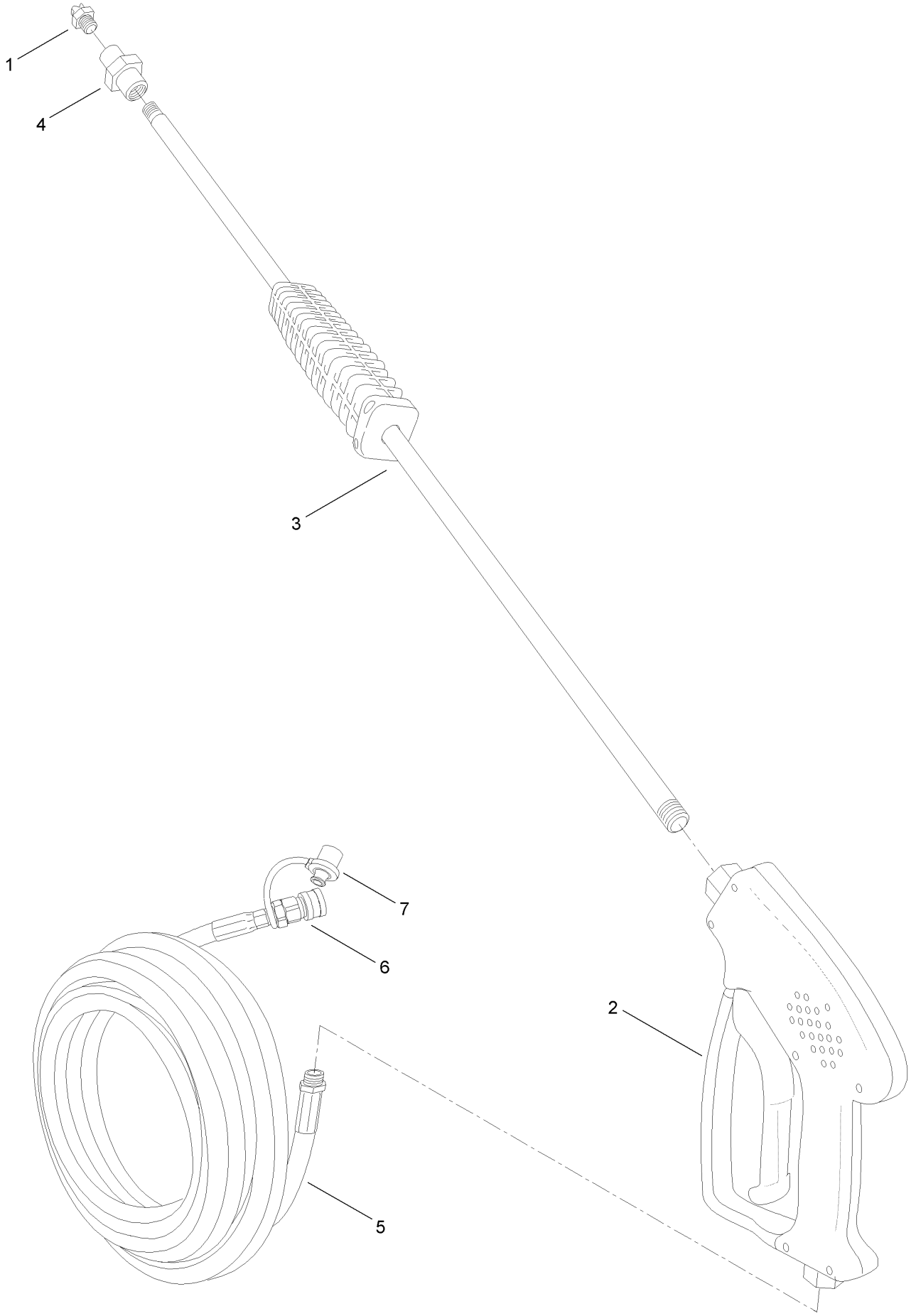
Cylinder Lockout Assembly No. AU114336



Cylinder Lockout Assembly No. AU114336 (continued)

Ref.	Part Number	Qty.	Description
1	AU114332-01	1	Plate-Tilt Cylinder Lockout
2	AU114334	2	Lanyard-Pin Tether
3	AU109760	2	Pin-Retaining
4	323-53	2	Screw-HH
5	3256-45	2	Washer-Flat
6	1-543678	2	Wingnut
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-Quick Disconnect
7	130-4504	1	Plug-Dust

Attachments and Accessories

For 23898 4050 Directional Drill

Product Name	Model/Part
RAM 4in Claw Bit 6 Bolt DW SH	130-3369
RAM 4in Taper Bit 6 Bolt DW SH	130-3370
RAM 3.5in HF Chisel Bit 7 Bolt	130-3386
RAM 4in Chisel Bit 6 Bolt DW	130-3371
Rock Stakes	23827E
RAM 4in Button Bit 6 Bolt DW	130-3372
RAM 5in Steep Taper Roughneck 6 Bolt DW	130-3375
Dirt Stakes	23829E
RAM 5in Taper Bit 6 Bolt DW	130-3377
RAM 5in Button Bit 6 Bolt DW SH	130-3378
Tall Pipe Box	23830E
RAM 6in Steep Taper Roughneck 6 Bolt DW 20mm	130-3384
RAM 3.5in Claw Bit	127-4330
52-Count Drill Pipe	23831E
Oil-15w40 (1 Quart)	127-3244
RAM 3.5in Taper Bit	127-4331
Premium Engine Oil 15w40 (5 Gallon Pail)	121-6395
RAM 3.5in Button Bit	127-4334
Air Hammer Adapter Kit	23832E
RAM 4in Claw Bit	127-4306
RAM 4in Taper Bit	127-4307
RAM 4in Cutter Bit	127-4308
RAM 4in Button Bit	127-4310
Premium Heavy Duty All Season Gear Lube (Quart)	108-1591
RAM 5in Claw Bit	127-4312
RAM 5in Taper Bit	127-4313
RAM 5in Button Bit	127-4316
Ram 5in Steep Taper Roughneck 7 Bolt	130-3389
Summer Oil-Case of 24 (20oz Bottles)	38916
Oil (20oz Bottle)	105-8562
Cable Transmitter Removal Tool	127-4625
Premium Engine Oil SAE 30 (Drum)	108-1196
Cable/SST Transmitters Wire Kit	127-4626
Premium Engine Oil SAE 30 (Pail)	108-1197
Rock Bit 3.5in Standard	127-4422
F Series Lithium-Ion Battery Pack	127-4627
Rock Bit - 3.75in Aggressive	127-4423
F Series Receiver Case	127-4628
Sonde Housing - 3.5in Rotolock	127-4421
F Series System Case	127-4629
Direct Bore 1 - 4.25in, 2.375in API Pin	127-4322
13in Antenna	127-4630
Direct Bore 1 - 4.25in, 2.375in API Pin	127-4323
F Series Lithium-Ion Battery Charger	127-4631
Direct Bore Housing - 2.375in API Box	127-4319
F Series U.S. Battery Charger Cord Kit	127-4632

Attachments and Accessories (continued)

Sonde Housing - 3.5in Endurance 127-4416
Battery Charger Cord Kit - F Series U.K. 127-4633
Sonde Housing - 3.5in 127-4302
Battery Charger Cord Kit - F Series I.N. 127-4634
Rotolock Box - 2.5in Ramon Pin 127-4303
Battery Charger Cord Kit - F Series A.U. 127-4635
1LR 2.5in Ramon Box 2.375 FSII Box 127-4300
Battery Charger Cord Kit - F Series CHI 127-4636
ID Collar - 4.25in OD, 3in Hex 127-4301
LWD Flashdrive Assembly 127-4637
ID Collar - 4.25in OD, 3in Hex 127-4318
LWD Bluetooth 127-4638
MFD/FSD Whip Antenna 127-4639
Whip Antenna - Russia 127-4640
RP for 3.5in and 3.75in Rock Bit - Hard 127-4377
Tensitrak Carry Case 127-4641
RP for 3.5in and 3.75in Rock Bit - General 127-4374
MFD/FSD DC Cable Assembly 127-4642
RP 1555/1554 EXTReam Teeth w/Round Point 127-4413
Steering Tool Carry Case 127-4643
Cable Transmitter Box w/Cable - MFD/FSD 127-4644
LWD Flashdrive and USB Bluetooth Adaptor 127-4645
LWD Flashdrive Assembly - SST/TT 127-4646
Spot Extended Range Probe 127-4647
Supercell Lithium Battery 127-4648
DDS12 F Series/SE/Eclipse/LT 12 KHZ 127-4649
DDT12 F Series/SE/Eclipse/LT 12 KHZ 127-4650
DEC TRAK - 0.375in End Cap 127-4651
DUC TRAK - 0.3125in End Cap 127-4652
25 Ton Pulling Eye 127-4349
Water Nozzle - 2 Hole 127-4363
DUC TRAK 12mm Metric End Cap 127-4653
Front Coupler 127-4350
Water Nozzle - 1 Hole 127-4364
DUC TRAK Pulling Eye End Cap 127-4654
Pullback Swivel (45,000 Lbs) 127-4351
HDT Transmitter End Cap 127-4655
Clay Reamer - 10in 127-4339
C Cell Transmitter Contact Spring 127-4656
Premium All Purpose Grease (Tube) 108-1190
Clay Reamer - 12in 127-4340
Standard Transmitter Battery End Cap 127-4657
Clay Reamer - 16in 127-4341
Double D-Link 26mm, 48k x 4x D-Ring TT5 127-4658
O-Ring 0.75x0.125, 2.75in and 3in Rock Bits 130-3150
Fluted Reamer - 8in 127-4342
D Cell Adapter x3 to Supercell for TT 127-4659
SHCS 0.375-16x0.25in Pellet Water Nozzle 130-3164
Fluted Reamer - 10in 127-4343

Attachments and Accessories (continued)

Battery Pack 3x D-Cell for TT5 127-4660
SHCS 0.375-16x0.75 Pellet Housing Door 130-3165
Fluted Reamer - 12in 127-4344
NIMH S Series Battery Charger U.S. Cord K 127-4661
Fluted Reamer - 14in 127-4345
DIGITRAK NiCad Battery Pack..... 127-4662
SHCS 0.50-13x1.25in Pellet 3.5in Bit1 DBK 130-3169
Wing Reamer - 12in 127-4346
NIMH S Series Nickel Battery Pack 127-4663
Stake Down Guards..... 23807E
Wing Reamer - 14in 127-4347
Sonde Block Set Subsite 86B/BH 127-4366
Sonde Block Set, Dual Block 127-4304
Wing Reamer - 16in 127-4348
Short Rod Box 23809E
DCI Falcon F5 System w/FCD and Receiver 23908
SB (Set) 1860/1850 Radiodetect 130-3120
DCI Falcon F5 System w/Aurora 8 Inch and Receiver..... 23909
SB (Set) 1860/1850 McLaughlin 130-3121
DCI Falcon F5 System w/Aurora 10.4 Inch and Receiver..... 23910
Sonde Block Set Subsite (DW 850, BV2) 127-4369
DCI Falcon F5 Extended Range Transmitter w/Fluid Pressure 23911
Paddle Bit - 4in Sharp Shooter, 3in SAH w/hole 127-4398
DCI Falcon F5 Transmitter w/Fluid Pressure 23912
DCI Aurora 8 Inch Touchscreen Display Kit 23913
Paddle Bit - 4in Button Bit, 3in SH w/hole..... 127-4407
Dirt Stakes 23814E
DCI Falcon Compact Display Kit..... 23914
DCI Falcon F5 Receiver..... 23915
Rock Stakes 23815E
DCI Falcon F2 System w/FCD and Receiver 23916
ZapAlert Ground Stake Relocation Kit 131-9019
DCI Falcon F2 System w/Aurora 8 Inch and Receiver..... 23917
DCI F2 Falcon W Aurora and 15in Transmitter..... 23905
DCI Falcon F2 System w/Aurora 10.4 Inch and Receiver..... 23918
DCI F2 Falcon 15in Transmitter 23906
DCI Falcon F2 Receiver..... 23919
F Series Battery Charger 12v Cord 127-4664
DB 5in Steep Taper Roughneck - 3.5in SH 130-3009
DCI F2 Falcon 2 CRD and F2 Tranmitter 23907
Paddle Bit - 3.5in Sharp Shooter, 3in w/hole 127-4397
Paddle Bit - 3.5in Iron Claw, 3in SH w/hole 127-4401
Paddle Bit - 3.5in Button Bit, 3in SH w/hole 127-4406
Paddle Bit - 4in Sharp Shooter, 3.5in SH w/hole 127-4399
Paddle Bit - 4in Iron Claw 3.5in SH w/hole 127-4403
Paddle Bit - 4in Button Bit, 3.5in SH w/hole..... 127-4408
Paddle Bit - 4in Iron Claw, 3in SH w/hole 127-4402
Paddle Bit - 5in Sharp Shooter 3.5in w/hole 127-4400
Paddle Bit - 5in Button Bit, 3.5in SH w/hole..... 127-4409

Attachments and Accessories (continued)

DB 5in Sharp Shooter - 4.125in SH w/hole 130-3011
DB 5in Iron Claw - 4.125in SH w/hole 130-3015
DB 5in Button Bit - 4.125in SH w/hole 130-3017
DB 6in Sharp Shooter - 4.125in SH w/hole 130-3019
DB 6in Iron Claw - 4.125in SH w/hole 130-3023
DB 6in Button Bit - 4.125in SH w/hole 130-3025
RAM 3.5in Claw Bit 5 Bolt DW 130-3355
RAM 3.5in Taper Bit 5 Bolt DW 130-3356
RAM 3.5in Chisel Bit 5 Bolt DW 130-3357
RAM 3.5in Button Bit 5 Bolt DW 130-3358
Premium All Season Gear Lube (Quart) 108-1590
RAM 3.5in Steep Taper Roughneck 5 Bolt DW 130-3359
RAM 4in Steep Taper Roughneck 5 Bolt DW 130-3360
Premium All Season Hydraulic Fluid (5 Gallon Pail) 108-1178
RAM 4in Claw Bit 5 Bolt DW SH 130-3361
RAM 4in Taper Bit 5 Bolt DW SH 130-3362
RAM 4in Button Bit 5 Bolt DW SH 130-3363
RAM 5in Steep Taper Roughneck 5 Bolt DW 130-3367

Notes:

Notes:



Count on it.