Form No. 3484-640 Rev A

TORO®

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Parts Catalog

TRX-250 Trencher

Model No. 22983—Serial No. 420000000 and Up

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

CE

3484-640 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.

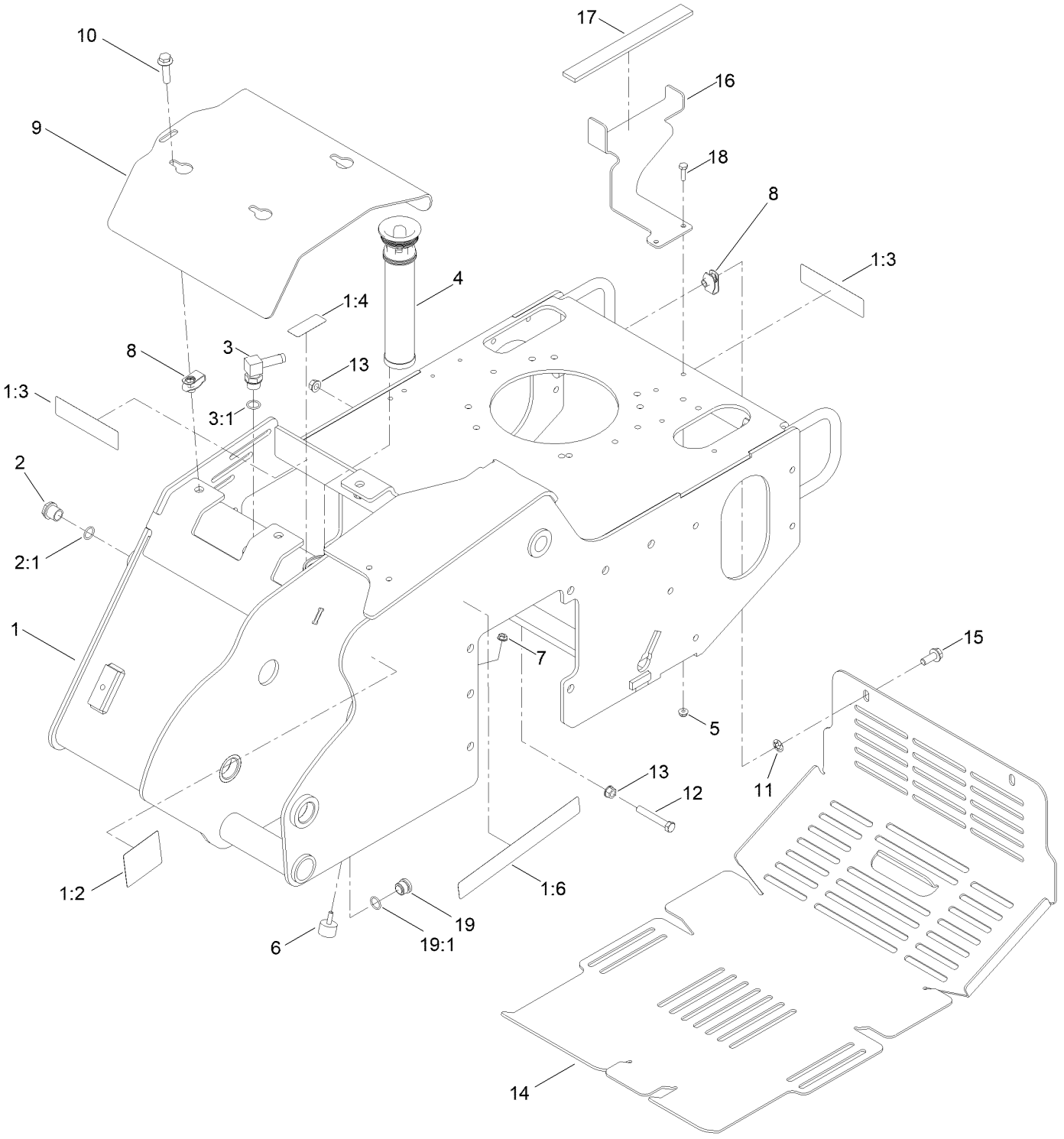
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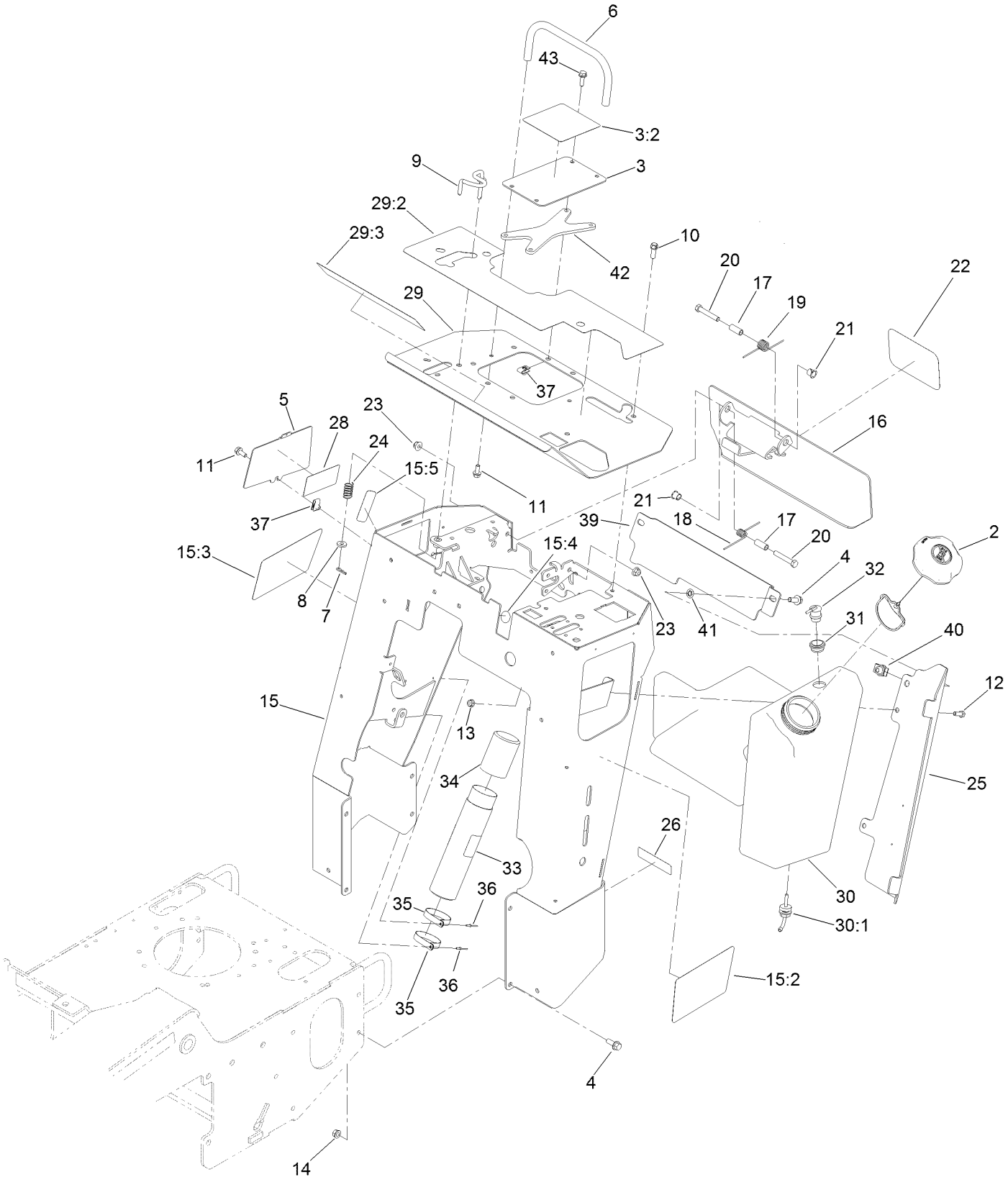
Frame Assembly



Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	137-7628	1	Main Frame ASM
1:2	100-4650	1	Decal-Warning
1:3	93-7814	2	Decal-Danger
1:4	93-6686	1	Decal-Oil, HYD
1:6	138-7103	1	Decal-Intellitrench
2	114-3075	1	Sight Glass ASM
2:1	237-79	1	O-Ring
3	354-120	1	Fitting-Elbow, 90
3:1	237-79	1	O-Ring
4	114-3039	1	Filter-Tank, In
5	104-7201	2	Nut-HF, NI
6	1-523420	1	Bumper
7	32128-33	1	Nut-HF
8	140-1146	5	Nut-Clip, U
9	137-7623-05	1	Plate-Cover, Front
10	33105-040	3	Screw-HHF
11	140-1144	5	Nut-Push
12	323-12	1	Screw-HH
13	32128-40	2	Nut-Flange
14	119-5106-01	1	Cover-Rear
15	108-1531	2	Screw-HHF
16	119-5091-01	1	Bracket-Tank
17	117-6417	1	Pad-Foam
18	321-5	2	Screw-HH
19	133-7659	1	Plug ASM W/Magnet
19:1	237-79	1	O-Ring

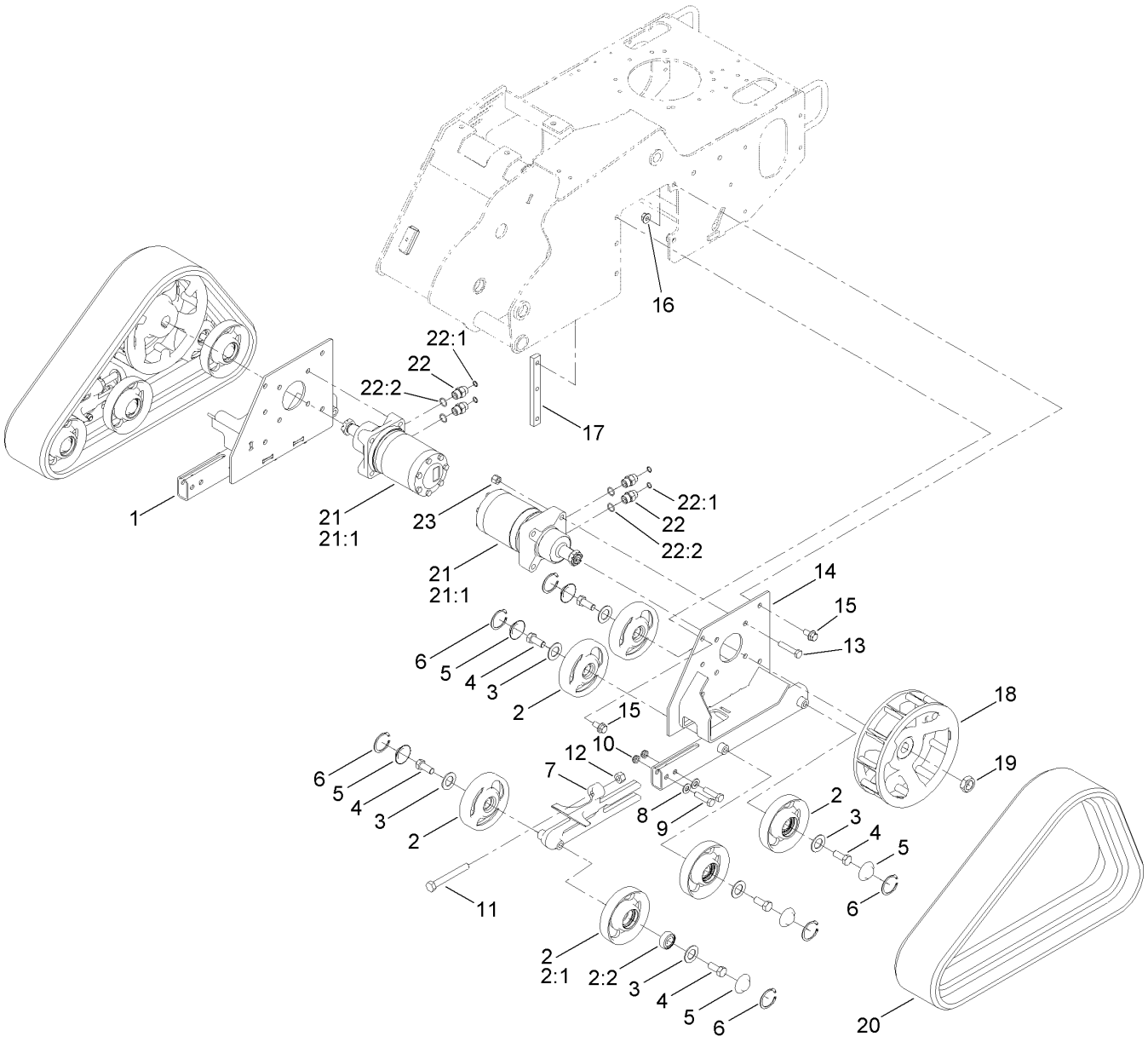
Control Tower and Fuel Tank Assembly



Control Tower and Fuel Tank Assembly (continued)

Ref.	Part Number	Qty.	Description
2	137-4119	1	Cap-Fuel, Ratcheting
3	137-3795	1	Cover-Handle, Traction
3:2	138-7107	1	Decal-Traction
4	3234-11	10	Screw-HHF
5	137-7654-01	1	Plate-Cover, Access
6	137-7641	1	Bar-Reference
7	3290-307	1	Pin-Cotter
8	88-7200	1	Washer-Flat
9	114-8727	1	Rod-Interlock
10	95-1726	4	Screw-Taptite
11	3234-5	3	Screw-HHF
12	3234-47	2	Screw-HHF
13	119-4041	2	Nut-HF
14	32128-40	8	Nut-Flange
15	138-3157	1	Control Tower ASM
15:2	137-3837	1	Decal-Side, LH
15:3	137-3838	1	Decal-Side, RH
15:4	107-8495	1	Decal-Brake, Parking
15:5	139-1271	1	Decal-Brake, Parking
16	137-7652-05	1	Plate-Reverse [blk-Txt]
17	114-1337	2	Spacer-Spring
18	98-8425	1	Spring-Torsion, LH
19	137-7695	1	Spring-Torsion
20	323-11	2	Screw-HH
21	256-257	2	Bushing-Nyliner
22	105-1217	1	Decal
23	119-4042	2	Nut-HF, NI
24	85-6750	1	Spring-Control
25	119-5086-01	1	Bracket-Cover, Tank
26	133-8062	1	Decal-Spark Arrestor
28	138-7154	1	Decal-Fuse
29	137-3797	1	Cover-Control
29:2	138-7105	1	Decal-Panel, Control
29:3	138-7104	1	Decal-Safety
30	120-7359	1	Tank-Fuel
30:1	103-2605	1	Fitting-Fuel, Bulkhead
31	114-0284	1	Grommet
32	119-3547	1	Valve-Vent, Fuel
33	104-7050	1	Tube-Manual
34	104-7048	1	Cap-Housing
35	2412-120	2	Clamp-R
36	3269-17	2	Rivet-Pop
37	94-2413	5	Nut-U
39	139-1259-05	1	Guard-Tower
40	105-4886	2	Nut-Tinnerman
41	107-3154	2	Nut-Push
42	139-1288-05	1	Spacer-Cover
43	3234-17	4	Screw-HHF

Track Assembly

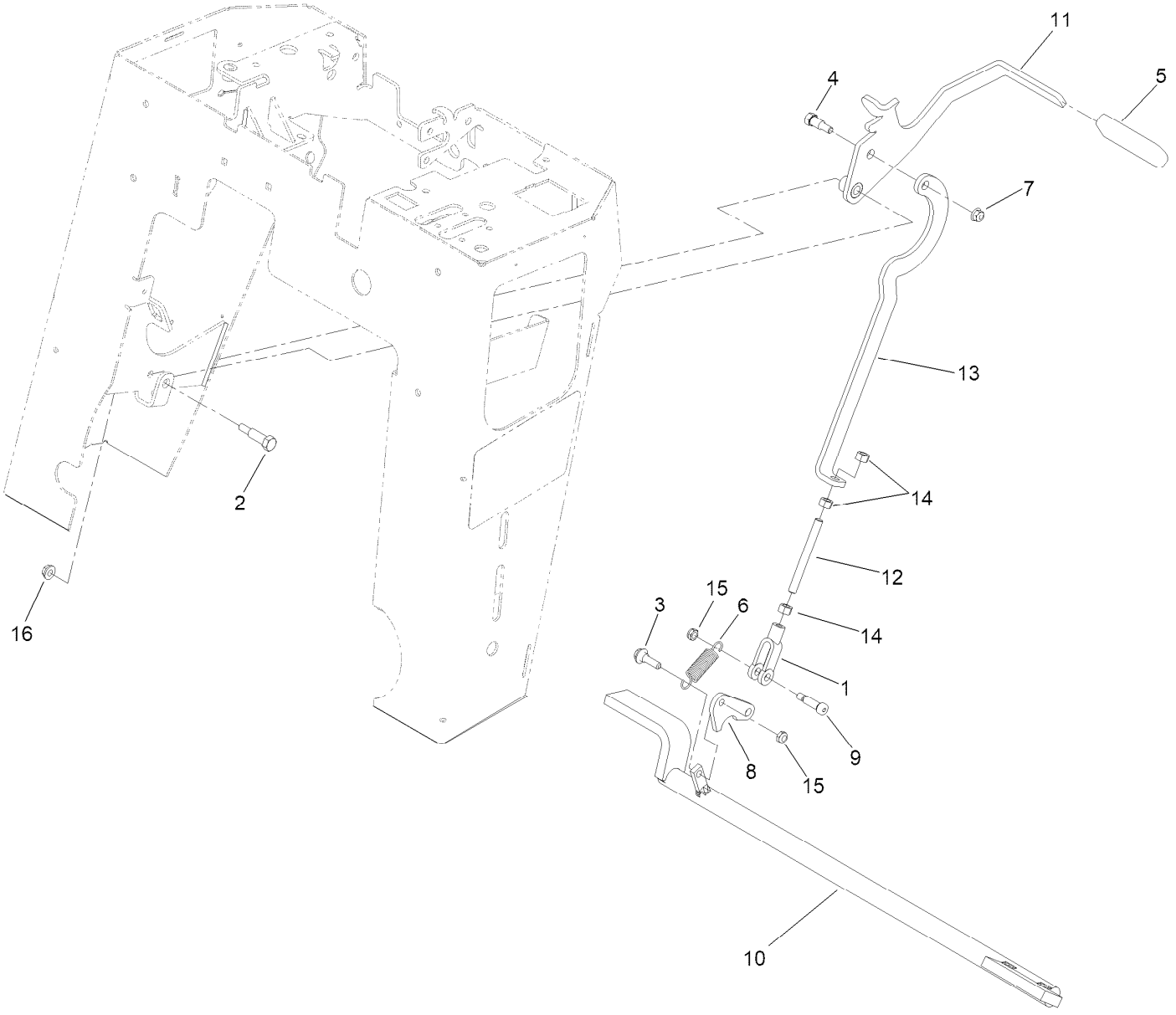


Track Assembly (continued)

Ref.	Part Number	Qty.	Description
1	114-2993-05	1	RH Track Frame ASM
2	138-3139	12	Tensioner Wheel ASM
2:1	138-7118	1	Wheel-Track
2:2	120-5378	1	Bearing-Ball
3	106-7585	12	Gasket-Bogie
4	327-4	12	Screw-HH
5	106-7557	12	Cap-Wheel, Bearing
6	106-7595	12	Ring-Snap, Internal
7	114-3077-05	2	Tensioner-Track, (Machined)
8	3256-26	4	Washer-Flat
9	325-8	4	Screw-HH
10	3296-45	4	Nut-Hex
11	112-4874	2	Screw-HH, TAP
12	3217-11	2	Nut-Hex
13	325-10	8	Screw-HH
14	114-2992-05	1	LH Track Frame ASM
15	3234-6	10	Screw-HHF
16	32128-49	4	Nut-HHF
17	114-3091	2	Bar-Thread
18	117-6426-05	2	Wheel-Drive (Machined)
19	106-8159	2	Nut-Hex Jam Lck
20	112-4816	2	Track-Rubber
21	137-3866	2	Wheel Motor ASM
21:1	161-7208	1	Seal Kit
21:1:1	161-7209	1	Seal, Grease ●
21:1:2	161-7210	1	Shell, Bearing ●
21:1:3	161-7211	3	O-Ring ●
21:1:4	161-7212	1	Shaft Seal (HP) ●
21:1:5	161-7213	2	Back-Up Ring ●
21:1:6	161-7214	1	O-Ring ●
22	340-6	4	Fitting-Straight
22:1	237-30	1	O-Ring
22:2	237-80	1	O-Ring
23	3296-23	8	Nut-Lock, NI

● Not illustrated

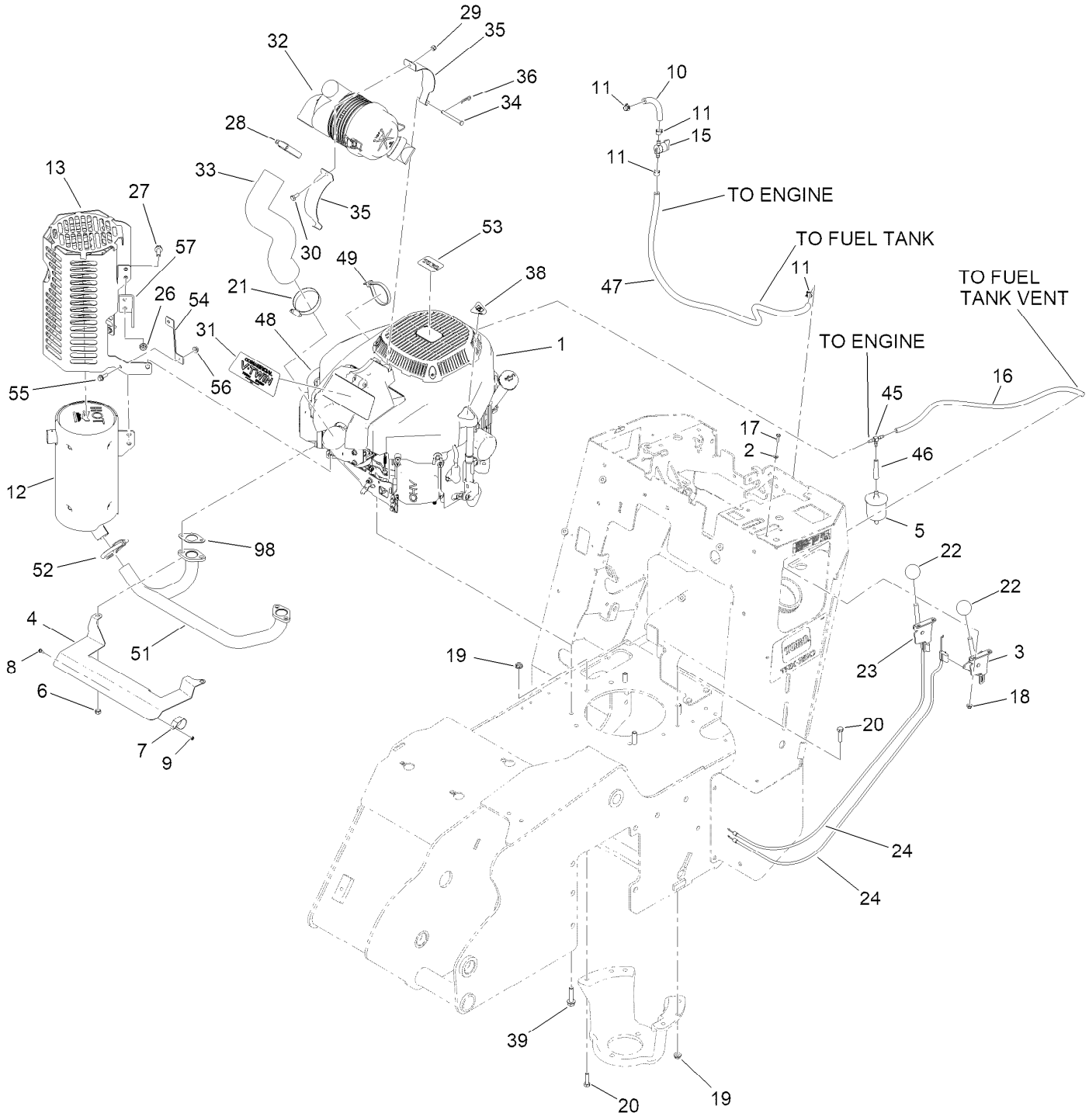
Brake Linkage Assembly



Brake Linkage Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-633131	1	Yoke-Linkage, Brake
2	7-0030	1	Screw-Shoulder, HH
3	27-7211	1	Screw-Shoulder
4	28-0540	1	Bolt-Shoulder
5	132-4749	1	Grip-Lever
6	67-1450	1	Spring-Idler
7	119-4041	1	Nut-HF
8	114-2975	1	Link-Mounting
9	114-8629	1	Bolt-Shldr
10	121-6240-05	1	Brake Bar ASM [blk-Txt]
11	121-6242-05	1	Brake Handle ASM
12	121-6243	1	Rod-Threaded
13	121-6245-05	1	Plate-Brake
14	3219-3	3	Nut-Hex
15	3296-47	2	Nut-Lock,NI
16	32128-20	1	Nut-HF

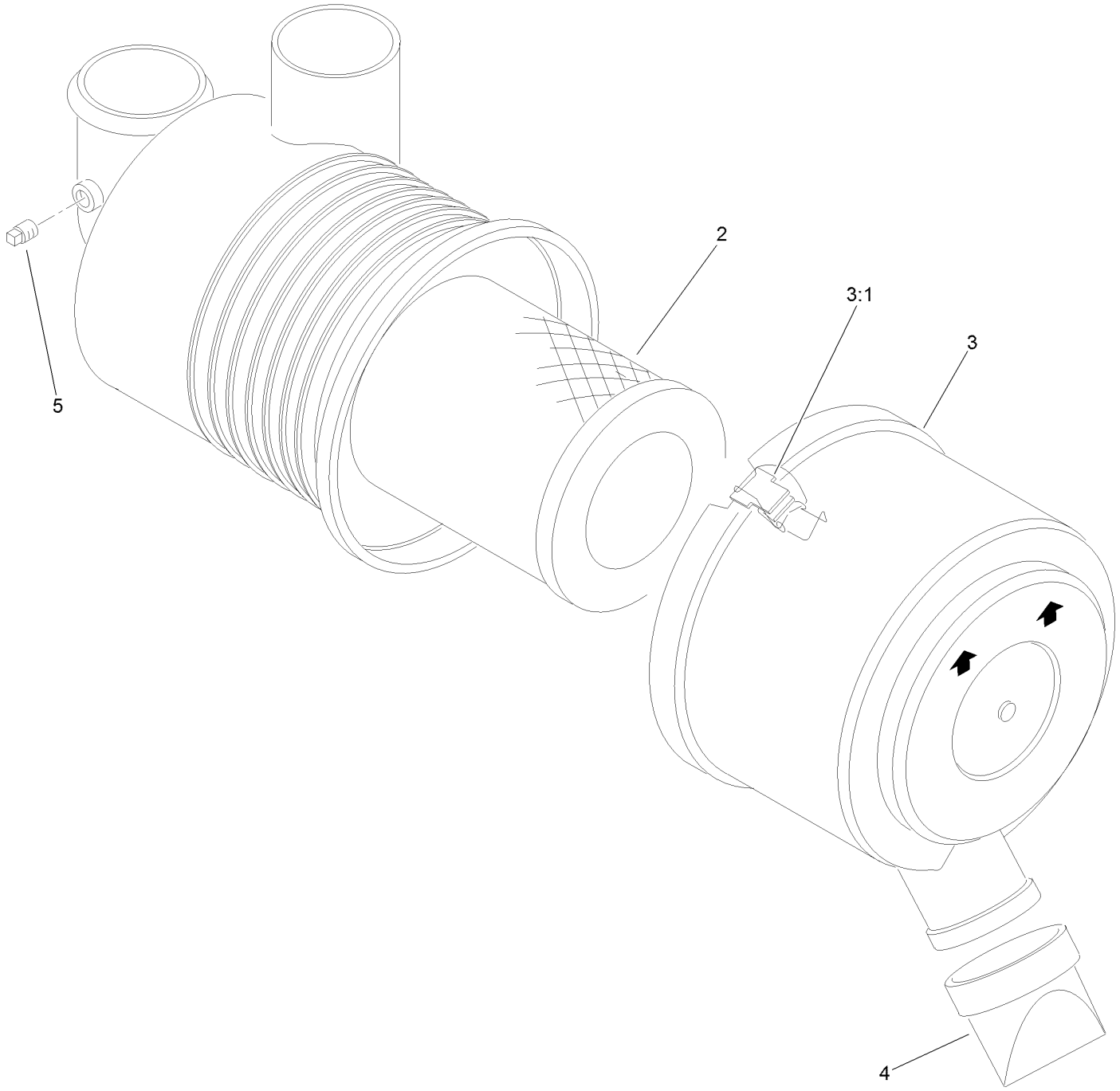
Engine, Muffler and Air Cleaner Assembly



Engine, Muffler and Air Cleaner Assembly (continued)

Ref.	Part Number	Qty.	Description
1	139-0722	1	Engine
2	3256-21	4	Washer-Flat
3	110-5547	1	Lever-Control
4	137-3748	1	Plate-Shield, Heat
5	120-2235	1	Filter-Fuel
6	114-3549	4	Nut
7	115-6488	1	Clamp
8	115-6494	1	Screw-Pan
9	115-6495	1	Nut-Hex
10	109-0295	1	Hose-Fuel
11	2412-98	4	Clamp-Hose
12	138-7136	1	Muffler
13	163-5325-05	1	Guard-Muffler [blk-Txt]
15	1-603770	1	Valve-Fuel
16	119-8150	1	Hose-Fuel
17	3290-134	4	Screw
18	120-4578	4	Nut-HF
19	32128-20	2	Nut-HF
20	322-6	2	Screw-HH
21	2412-130	1	Clamp-Hose
22	233-42	2	Knob
23	108-9730	1	Lever-Control
24	115-1211	2	Cable-Control
26	32128-26	2	Nut-HF
27	3234-29	2	Screw-HHF
28	1-643009	1	Clamp-Hose
29	137-3088	1	Nut-Hex
30	137-3041	1	Screw-HH
31	140-2715	1	Decal
32	93-2190	1	Air Cleaner ASM
33	136-9242	1	Hose-Intake
34	137-2011	2	Pin-Clevis
35	136-9243	2	Strap-Canister, Air
36	1-806003	2	Pin-Cotter
38	131-1097	1	Decal-Drain, Oil
39	32144-102	4	Screw-HWH
45	120-2234	1	Fitting-Tee
46	120-2272	1	Hose-Fuel, Molded
47	109-3491	1	Hose-Fuel
48	131-0736	1	Sleeve-Thermal
49	3334-945	1	Tie-Cable
51	138-7137	1	Manifold
52	2112-11	1	Clamp-Muffler
53	110-1136	1	Decal
54	163-8903-05	1	Bracket, Muffler
55	120-9678	2	Screw-HHF
56	32128-33	2	Nut-HF
57	163-5327-05	1	Bracket-Muffler
98	120-4317	2	Gasket-Exhaust

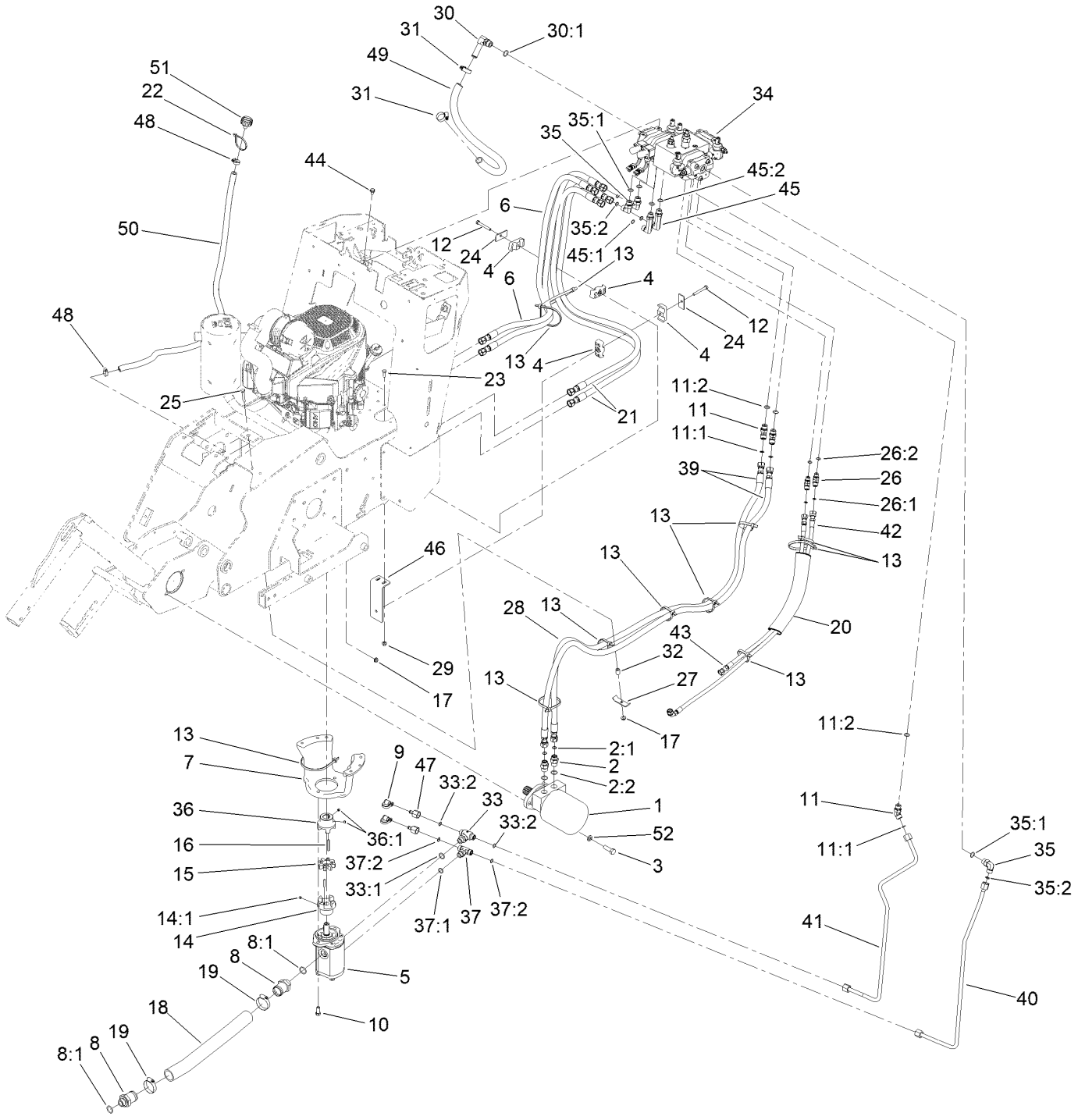
Air Cleaner Assembly No. 93-2190



Air Cleaner Assembly No. 93-2190 (continued)

Ref.	Part Number	Qty.	Description
2	108-3811	1	Filter-Air V-Twin HD
3	94-3652	1	Cover ASM
3:1	1-643283	2	Latch-Cleaner, Air
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe

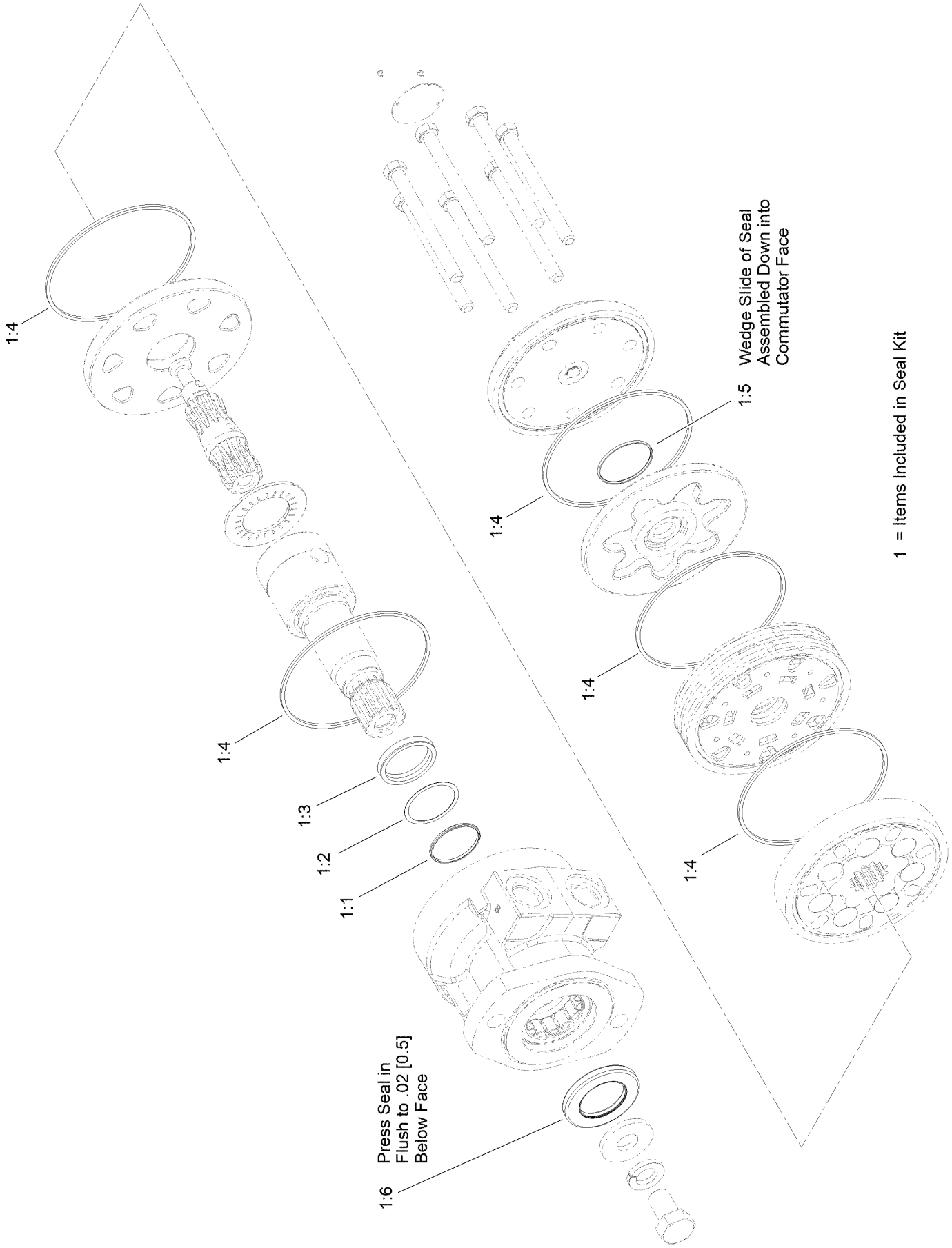
Hydraulic Assembly



Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
1	117-6306	1	Hydraulic Motor ASM
2	340-6	2	Fitting-Straight
2:1	237-30	1	O-Ring
2:2	237-80	1	O-Ring
3	325-6	2	Screw-HH
4	94-8105	6	Clamp-Tube
5	137-7630	1	Pump-HYD
6	144-7474	2	Hose ASM-HYD
7	137-7634-05	1	Pump-Mount [blk-Txt]
8	138-7126	2	Fitting-STR
8:1	237-81	1	O-Ring
9	354-79	2	Cap-Dust
10	324-4	2	Screw-HH
11	340-101	3	Fitting-HYD, 45 DEG
11:1	237-30	1	O-Ring
11:2	237-79	1	O-Ring
12	322-11	3	Screw-HH
13	3334-945	11	Tie-Cable
14	114-2933	1	Coupler-Flex
14:1	105-4068	1	Screw-Set,Cphs
15	93-8827	1	Coupler-Spider
16	608006	1	Key-Square
17	32128-20	4	Nut-HF
18	138-7128	1	Hose-Suction, HYD
19	2412-130	2	Clamp-Hose
20	115-4064	1	Sleeve-Protective
21	144-7473	2	Hose ASM-HYD
22	3290-379	1	Tie-Cable
23	322-4	2	Screw-HH
24	69-9761	3	Plate-Cover
25	322-10	1	Screw-HH
26	340-87	2	Fitting-Elbow, 45 DEG
26:1	237-22	1	O-Ring
26:2	237-42	1	O-Ring
27	100-4860	1	Bracket-Clamp
28	99-5648	2	Sleeve-Protective
29	119-4041	2	Nut-HF
30	87-8170	1	Fitting-90
30:1	237-80	1	O-Ring
31	2412-129	2	Clamp-Hose
32	93-5023	1	Spacer
33	130-8775	1	Fitting-HYD
33:1	237-80	1	O-Ring
33:2	237-30	2	O-Ring
34	145-3263	1	Valve ASM
35	340-98	3	Fitting-Elbow, 90 DEG
35:1	237-79	1	O-Ring
35:2	237-30	1	O-Ring
36	138-7101	1	Hub-Flex
36:1	105-4068	2	Screw-Set,Cphs
37	340-157	1	Fitting-HYD, Tee
37:1	237-79	1	O-Ring
37:2	237-30	2	O-Ring
39	144-7470	2	Hose ASM-HYD
40	137-7698	1	HYD Tube ASM
41	137-3724	1	HYD Tube ASM
42	161-6877	1	Hose ASM-HYD
43	144-7472	1	Hose ASM-HYD
44	68-9410	3	Screw-HHF
45	99-6160	2	Fitting-Elbow, 90 Long
45:1	237-30	1	O-Ring
45:2	237-79	1	O-Ring
46	137-3736-05	1	Bracket-Hose Support
47	100-5616	2	Fitting
48	2412-36	2	Clamp-Hose
49	138-3197	1	Hose-Cooler
50	114-3042	1	Hose-Breather
51	68-6150	1	Breather
52	3253-7	2	Washer-Lock

Hydraulic Motor Assembly No. 117-6306

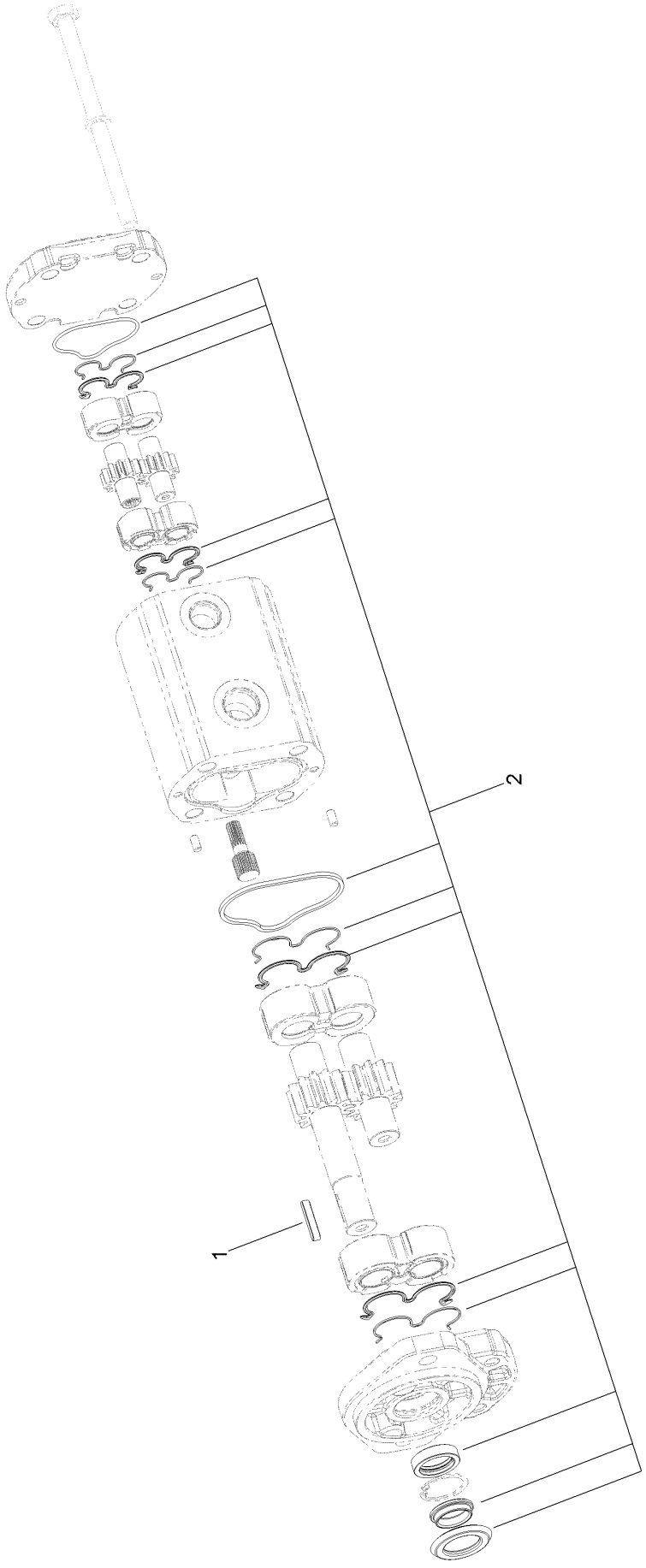


Hydraulic Motor Assembly No. 117-6306 (continued)

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

● Not serviced separately

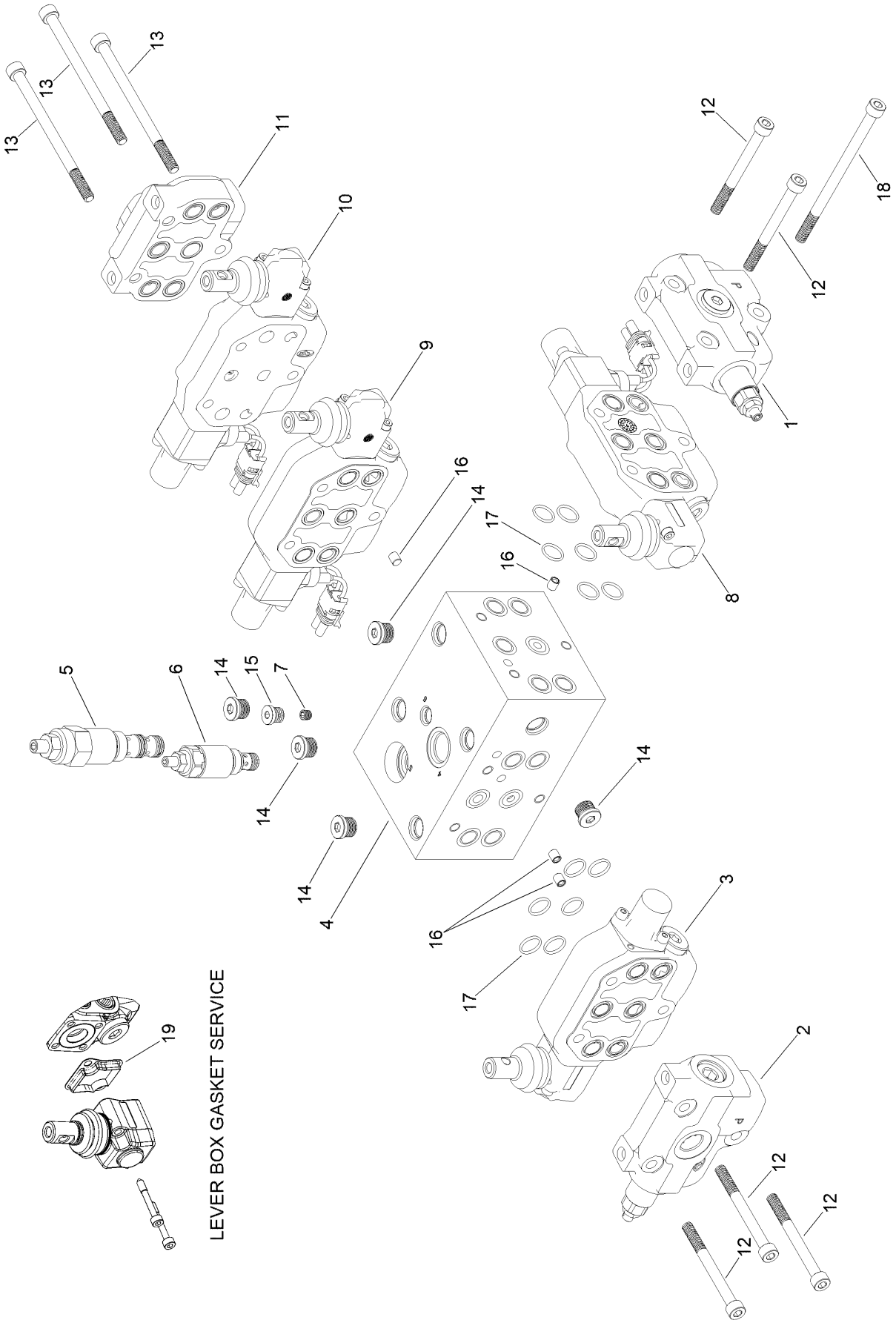
Hydraulic Pump Assembly No. 137-7630



Hydraulic Pump Assembly No. 137-7630 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	27-8590	1	Key-Square
2	145-0608	1	Seal Kit

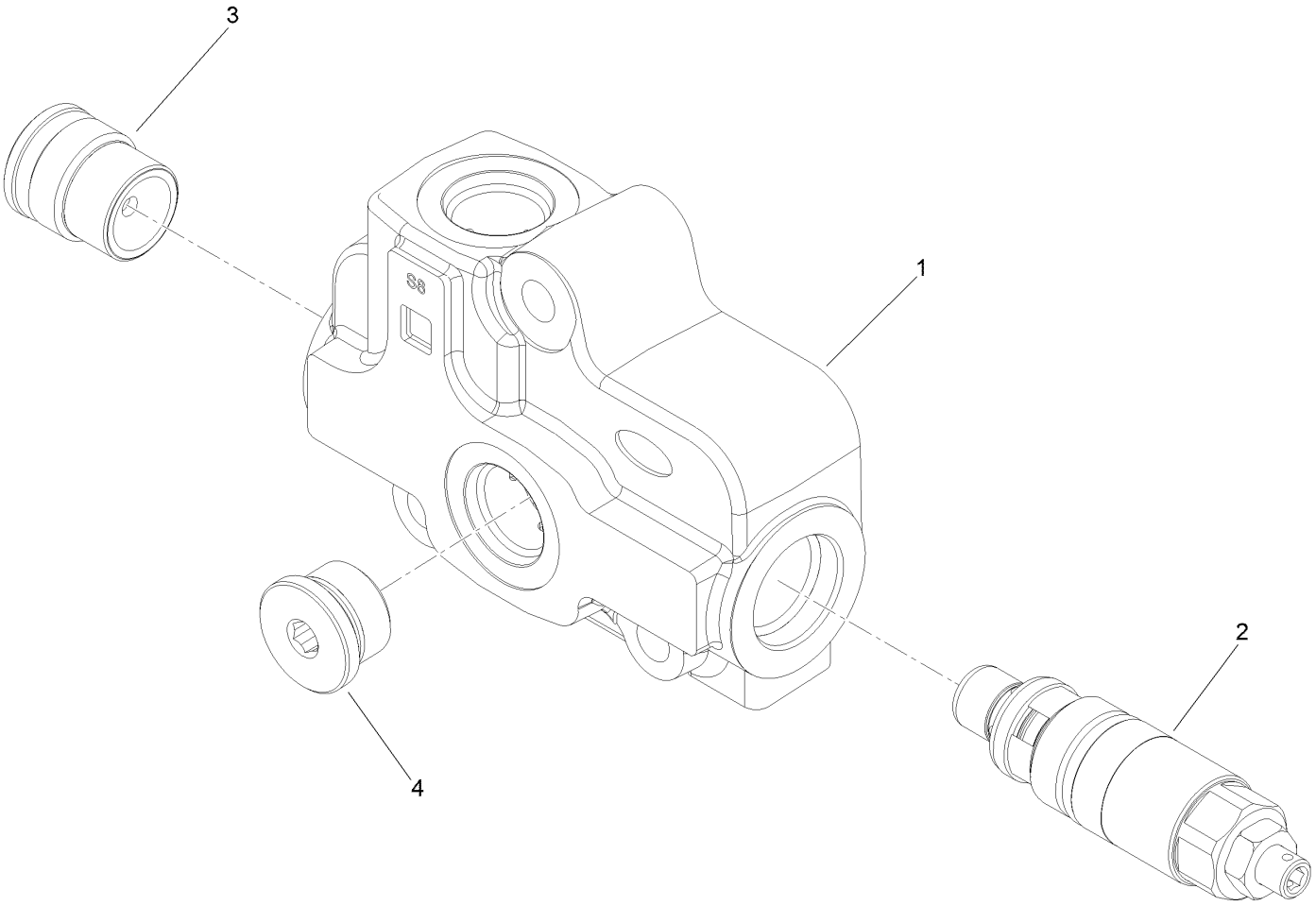
Valve Assembly No. 145-3263



Valve Assembly No. 145-3263 (continued)

Ref.	Part Number	Qty.	Description
1	139-1337	1	Section-Inlet
2	139-1338	1	Section-Inlet
3	139-1339	1	Section-Valve, Series
4	139-1340	1	Block-Manifold
5	139-1341	1	Valve-Directional, Unloading
6	139-1342	1	Valve-Relief
7	139-1343	1	Plug-Orifice
8	139-1344	1	Section-Valve, Parallel
9	139-1345	1	Section-Valve, Series
10	139-1346	1	Section-Valve, Parallel
11	139-1347	1	Section-Outlet
12	139-1348	5	Screw-HSH
13	139-1349	3	Screw-HSH
14	131-3807	5	Plug
15	131-3806	1	Plug
16	140-1100	4	Plug-Expansion
17	140-1101	12	O-Ring
18	145-3264	1	Screw-HSH
19	161-7271	4	Gasket Seal

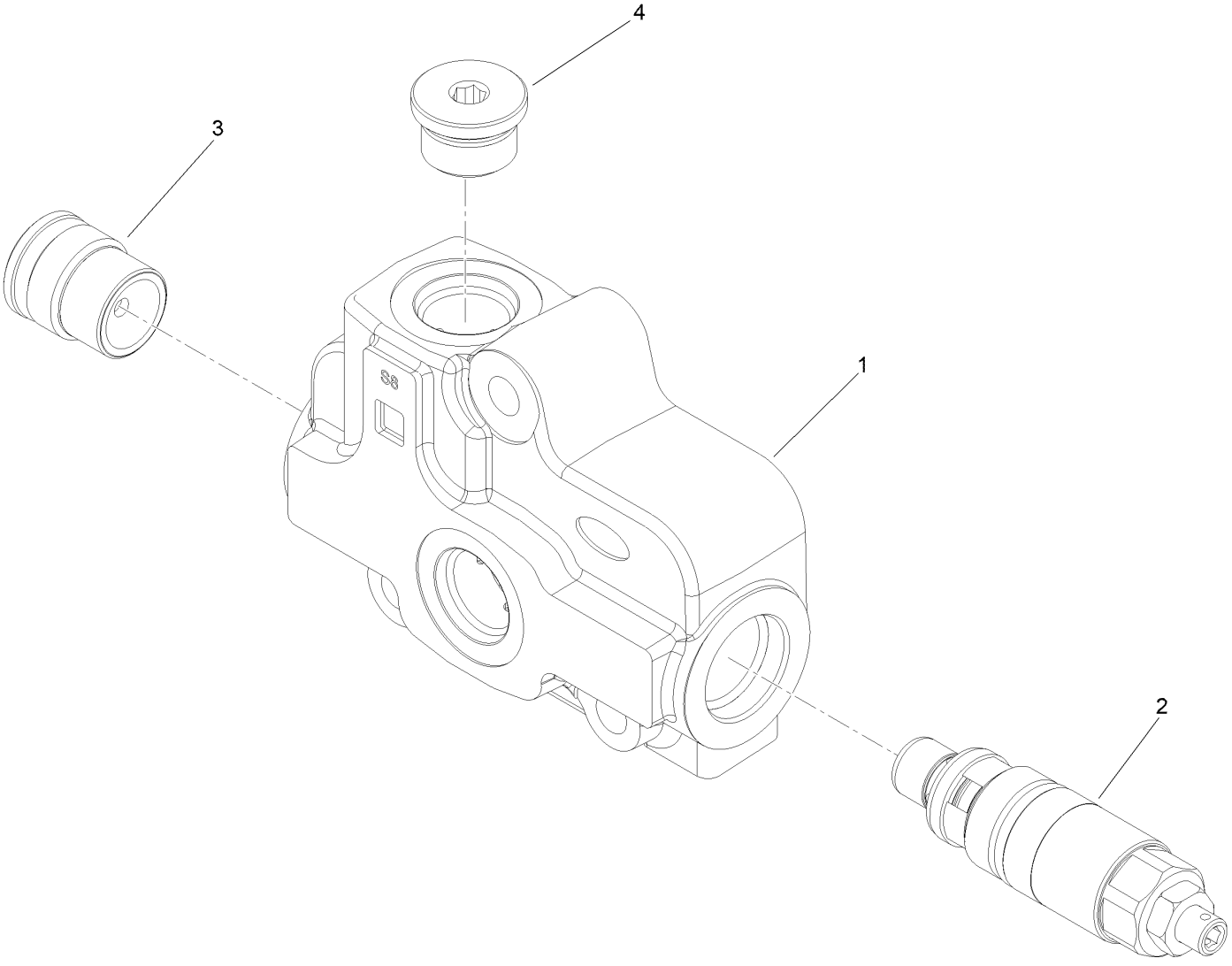
Valve Inlet Section Assembly No. 139-1337



Valve Inlet Section Assembly No. 139-1337 (continued)

Ref.	Part Number	Qty.	Description
1	140-1102	1	Inlet
2	132-6039	1	Valve-Relief
3	140-1103	1	Plug
4	140-1104	1	Plug

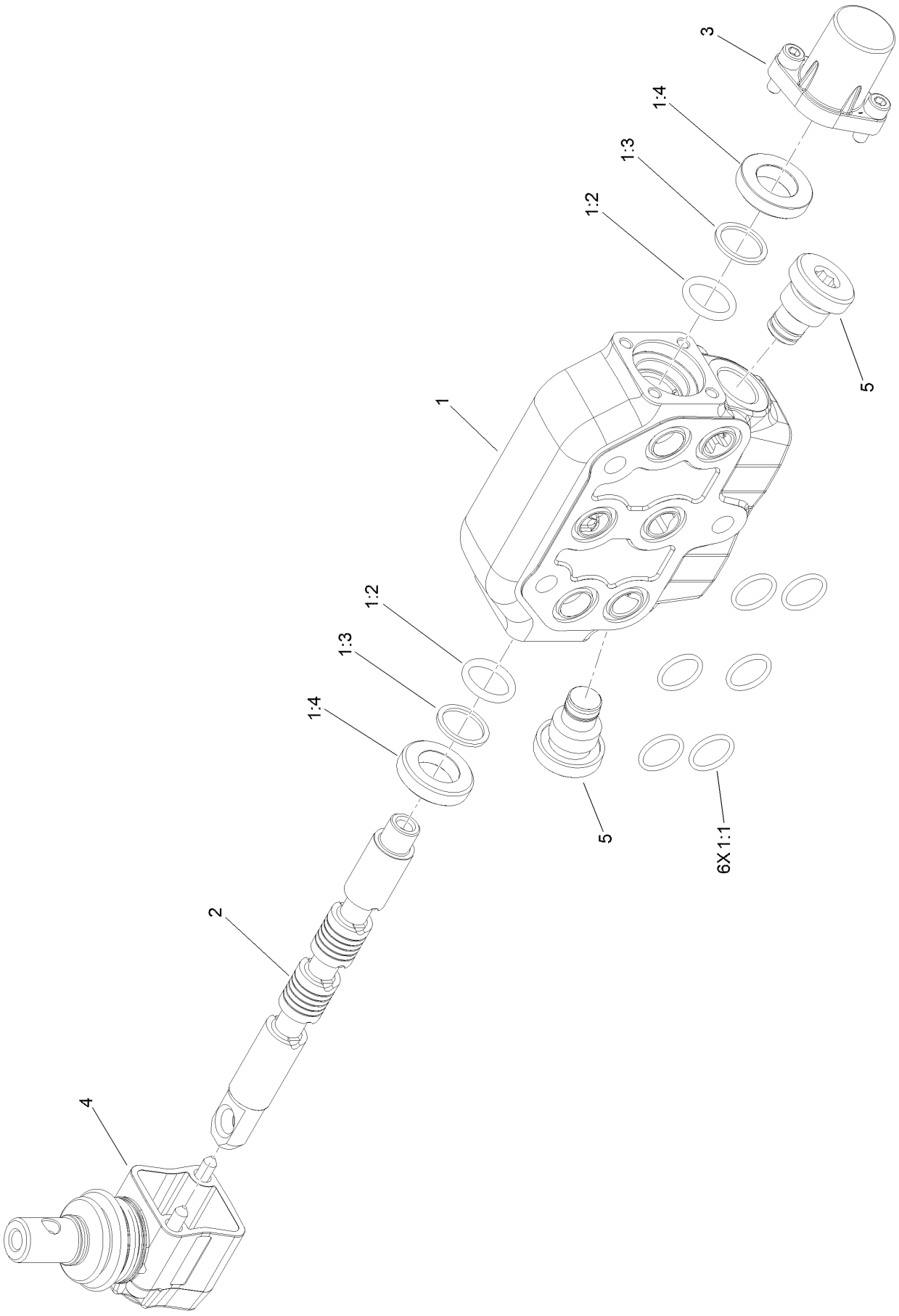
Valve Inlet Section Assembly No. 139-1338



Valve Inlet Section Assembly No. 139-1338 (continued)

Ref.	Part Number	Qty.	Description
1	140-1102	1	Inlet
2	132-6039	1	Valve-Relief
3	140-1103	1	Plug
4	140-1104	1	Plug

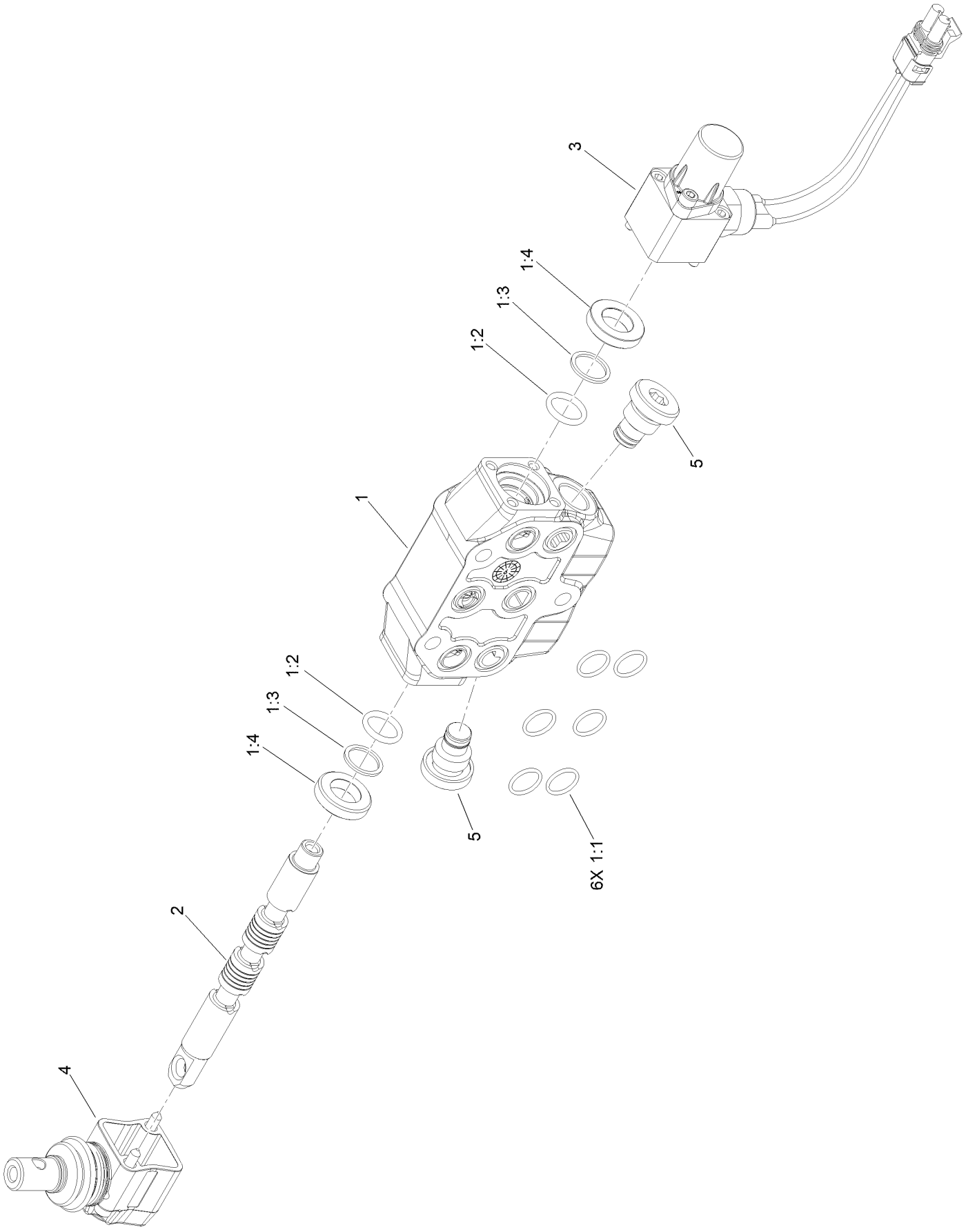
Series Valve Section Assembly No. 139-1339



Series Valve Section Assembly No. 139-1339 (continued)

Ref.	Part Number	Qty.	Description
1	140-1109	1	Section-Working
1:1	140-1114	6	O-Ring
1:2	106-7719	2	Seal-Valve
1:3	140-1116	2	Seal-Valve
1:4	140-1117	2	Seal-Valve
2	140-1105	1	Valve-Spool
3	140-1110	1	Kit-Control
4	140-1107	1	Lever-Valve
5	140-1108	2	Plug

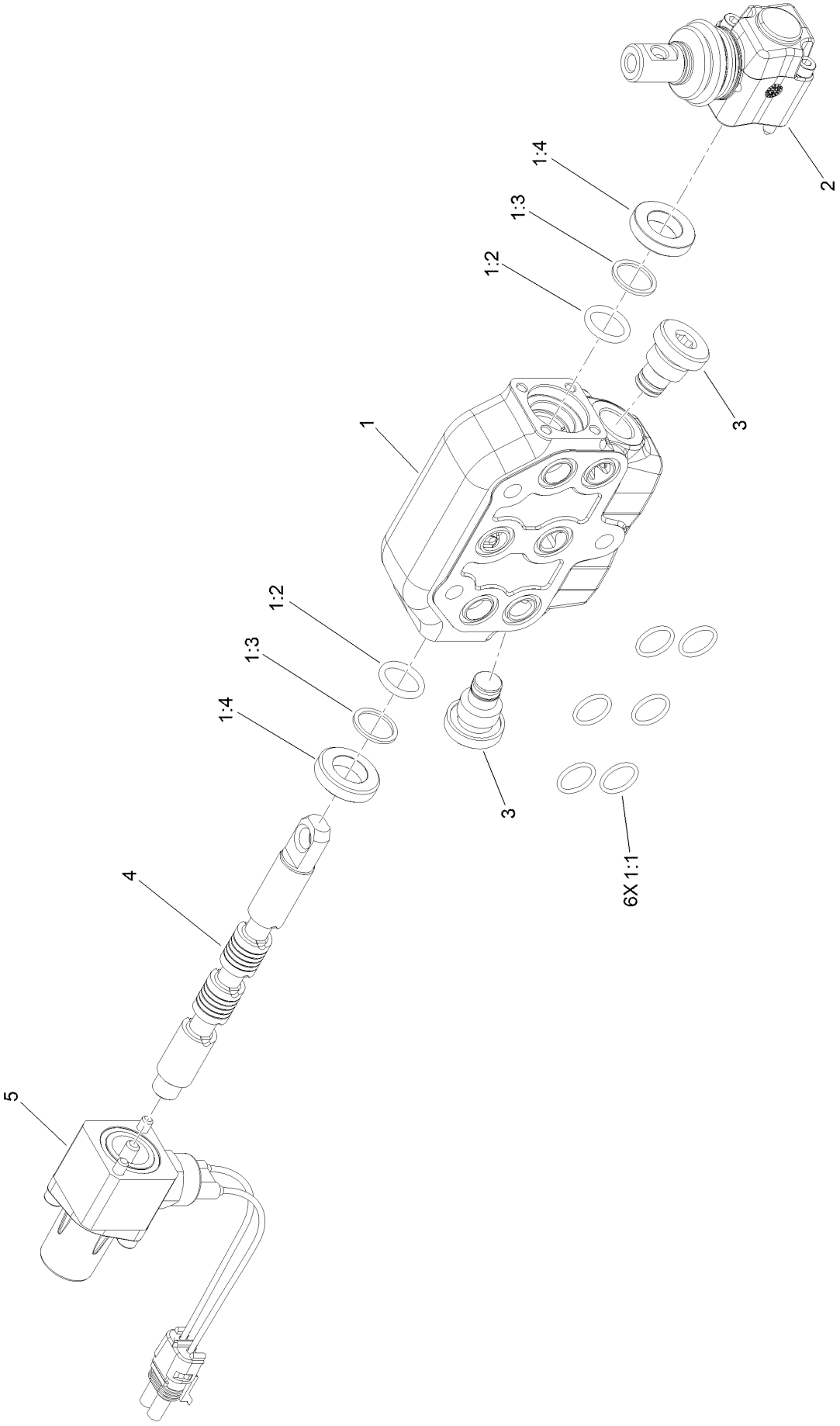
Parallel Valve Section Assembly No. 139-1344



Parallel Valve Section Assembly No. 139-1344 (continued)

Ref.	Part Number	Qty.	Description
1	140-1115	1	Section-Working
1:1	140-1114	6	O-Ring
1:2	106-7719	2	Seal-Valve
1:3	140-1116	2	Seal-Valve
1:4	140-1117	2	Seal-Valve
2	140-1105	1	Valve-Spool
3	140-1106	1	Kit-Control
4	140-1107	1	Lever-Valve
5	140-1108	2	Plug

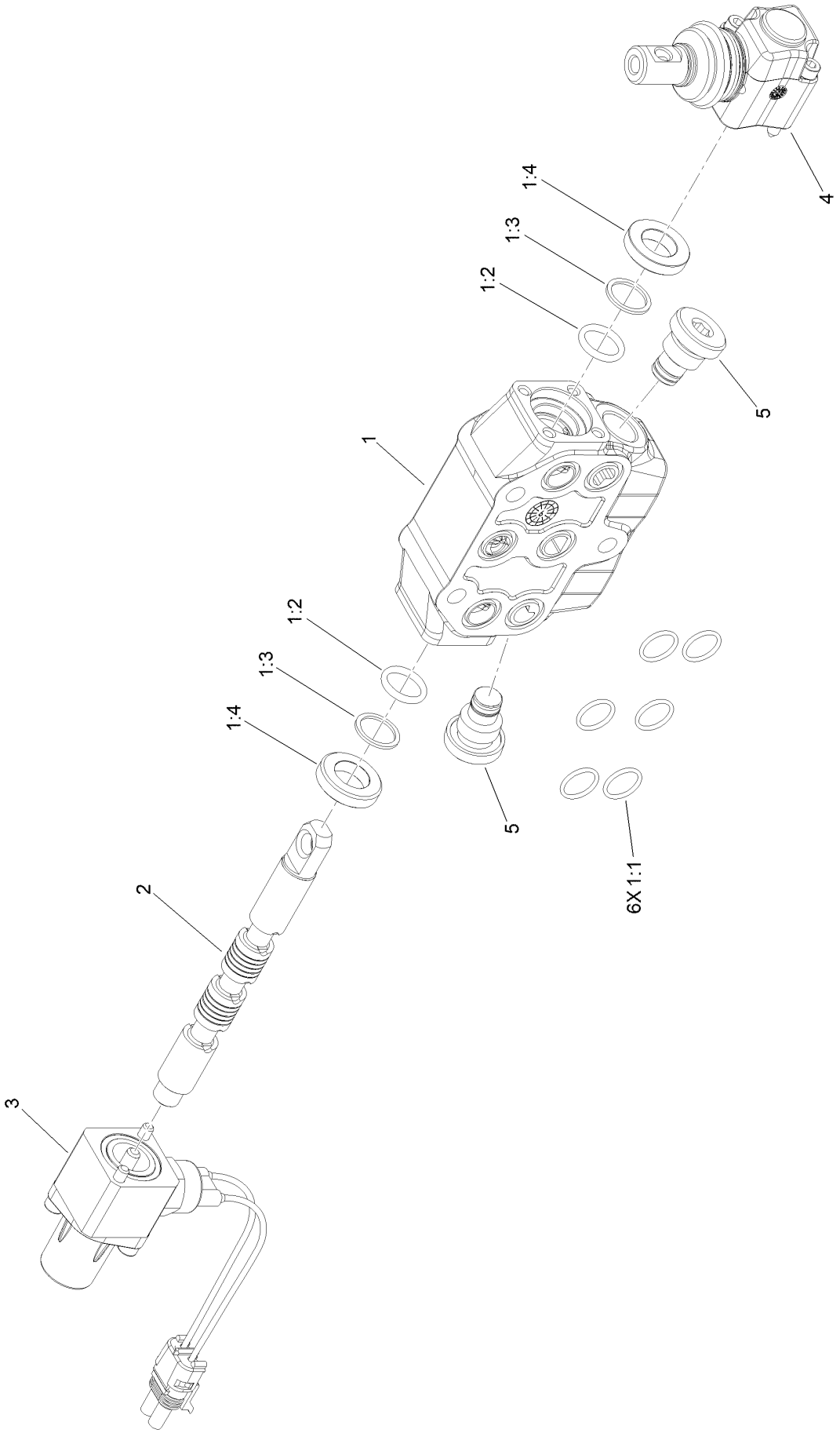
Series Valve Section Assembly No. 139-1345



Series Valve Section Assembly No. 139-1345 (continued)

Ref.	Part Number	Qty.	Description
1	140-1118	1	Section-Working
1:1	140-1114	6	O-Ring
1:2	106-7719	2	Seal-Valve
1:3	140-1116	2	Seal-Valve
1:4	140-1117	2	Seal-Valve
2	140-1107	1	Lever-Valve
3	140-1108	2	Plug
4	140-1105	1	Valve-Spool
5	140-1106	1	Kit-Control

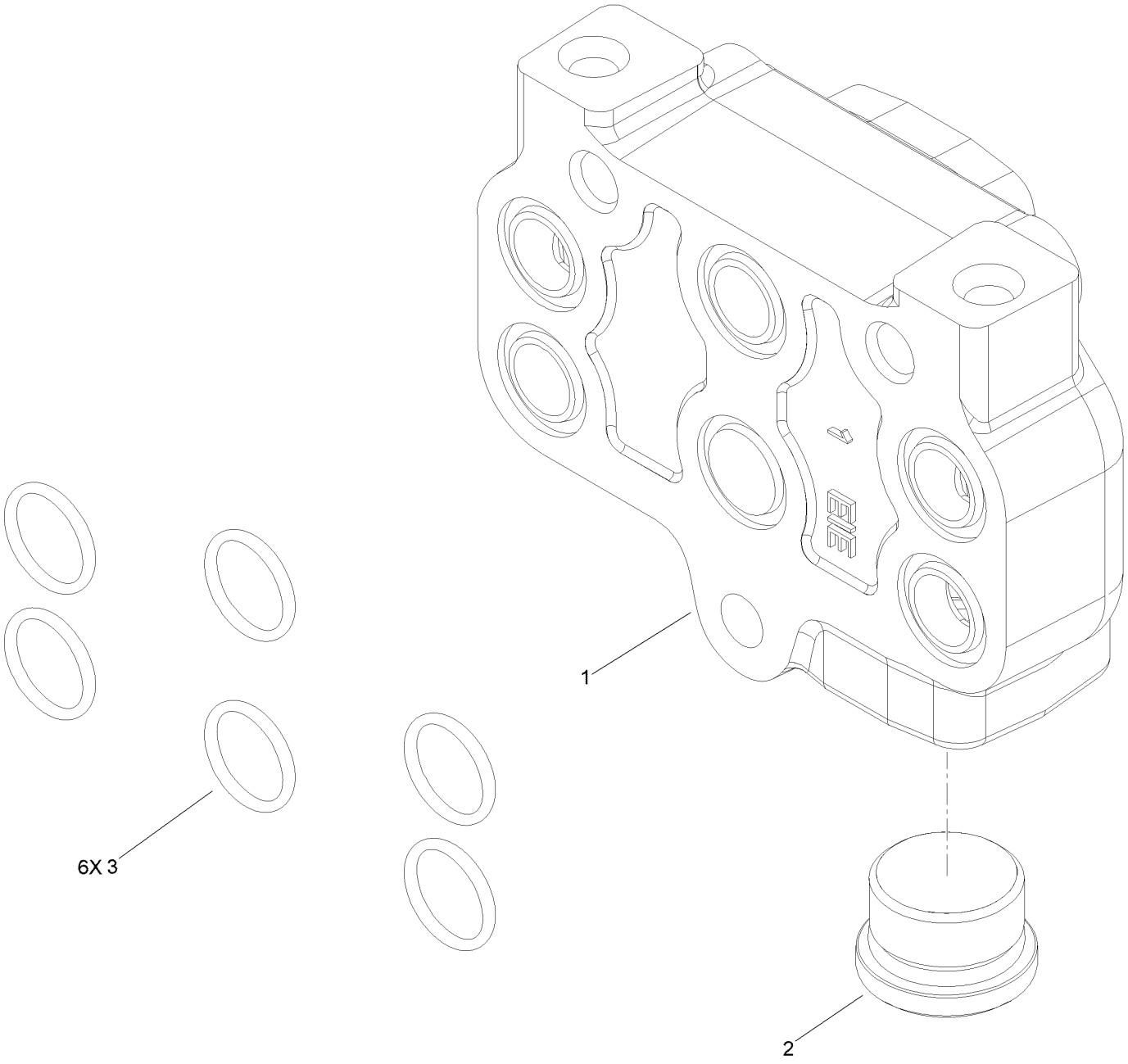
Parallel Valve Section Assembly No. 139-1346



Parallel Valve Section Assembly No. 139-1346 (continued)

Ref.	Part Number	Qty.	Description
1	140-1115	1	Section-Working
1:1	140-1114	6	O-Ring
1:2	106-7719	2	Seal-Valve
1:3	140-1116	2	Seal-Valve
1:4	140-1117	2	Seal-Valve
2	140-1105	1	Valve-Spool
3	140-1106	1	Kit-Control
4	140-1107	1	Lever-Valve
5	140-1108	2	Plug

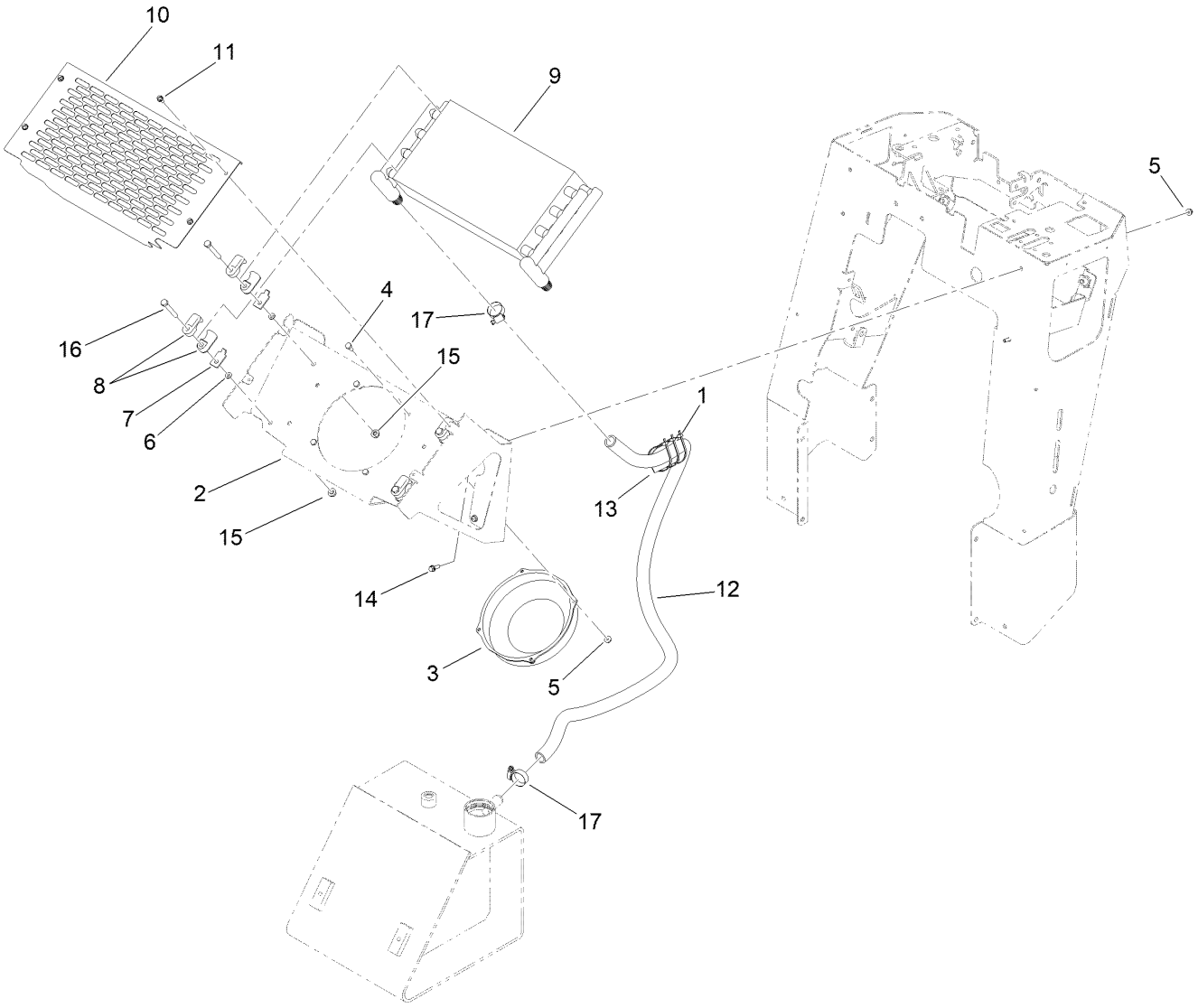
Outlet Section Assembly No. 139-1347



Outlet Section Assembly No. 139-1347 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	140-1112	1	Cover-Outlet
2	140-1111	1	Plug
3	140-1114	6	O-Ring

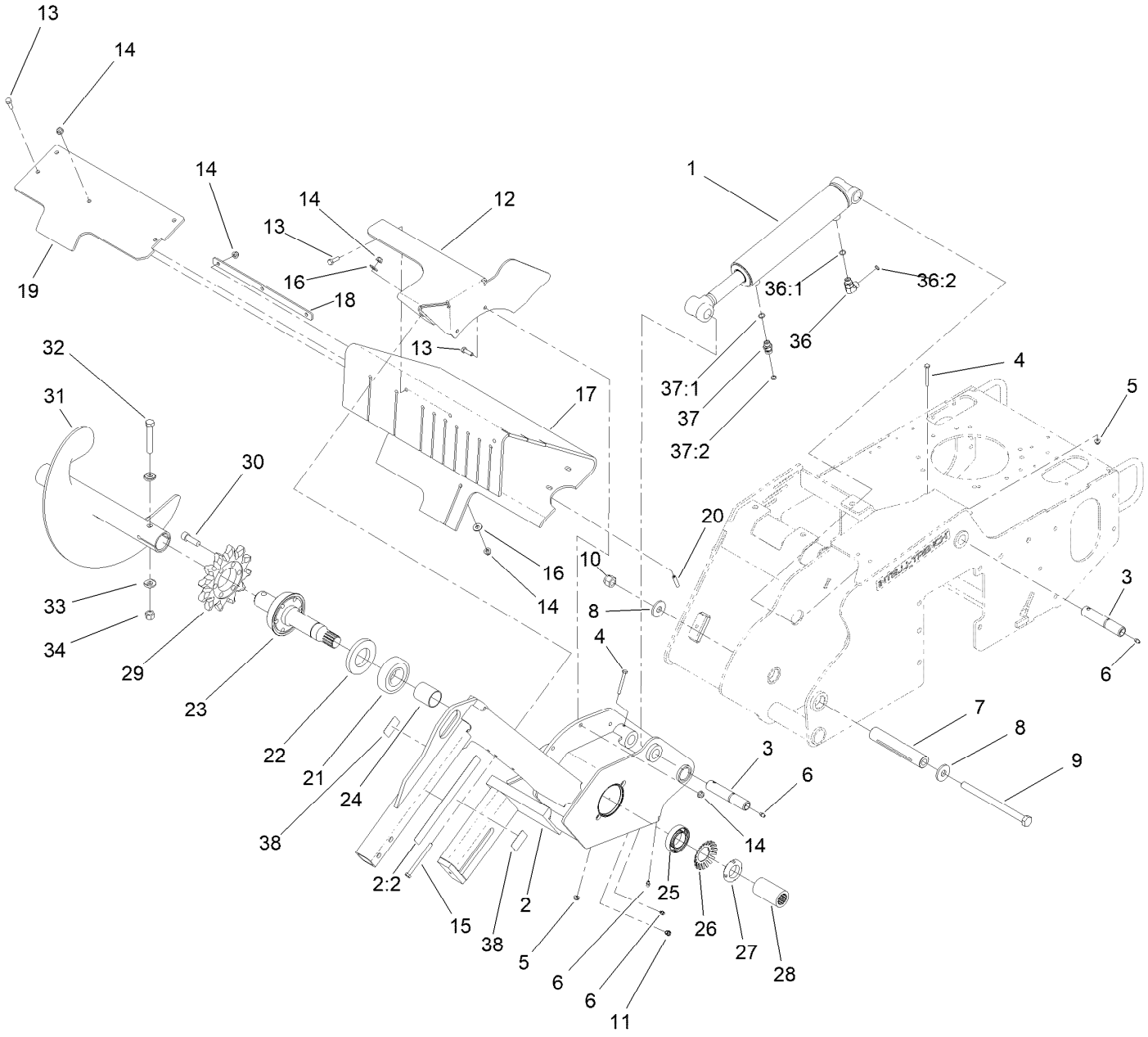
Oil Cooler Assembly



Oil Cooler Assembly (continued)

Ref.	Part Number	Qty.	Description
1	3290-379	3	Tie-Cable
2	138-3194-01	1	Mount-Cooler
3	104-2809	1	Fan
4	321-3	4	Screw-HH
5	104-7201	8	Nut-HF, NI
6	26-4840	4	Spacer-Pin, Mounting
7	131-0642	4	Plate-Support, Clamp
8	131-0733	8	Clamp
9	117-6320	1	Cooler-Oil
10	119-4633-01	1	Cover-Cooler
11	32104-95	4	Screw-HWH
12	138-3198	1	Hose-Cooler
13	AU112950	1	Protector-Hose
14	115-5103	4	Screw-HHF
15	119-4041	4	Nut-HF
16	322-11	4	Screw-HH
17	2412-129	2	Clamp-Hose

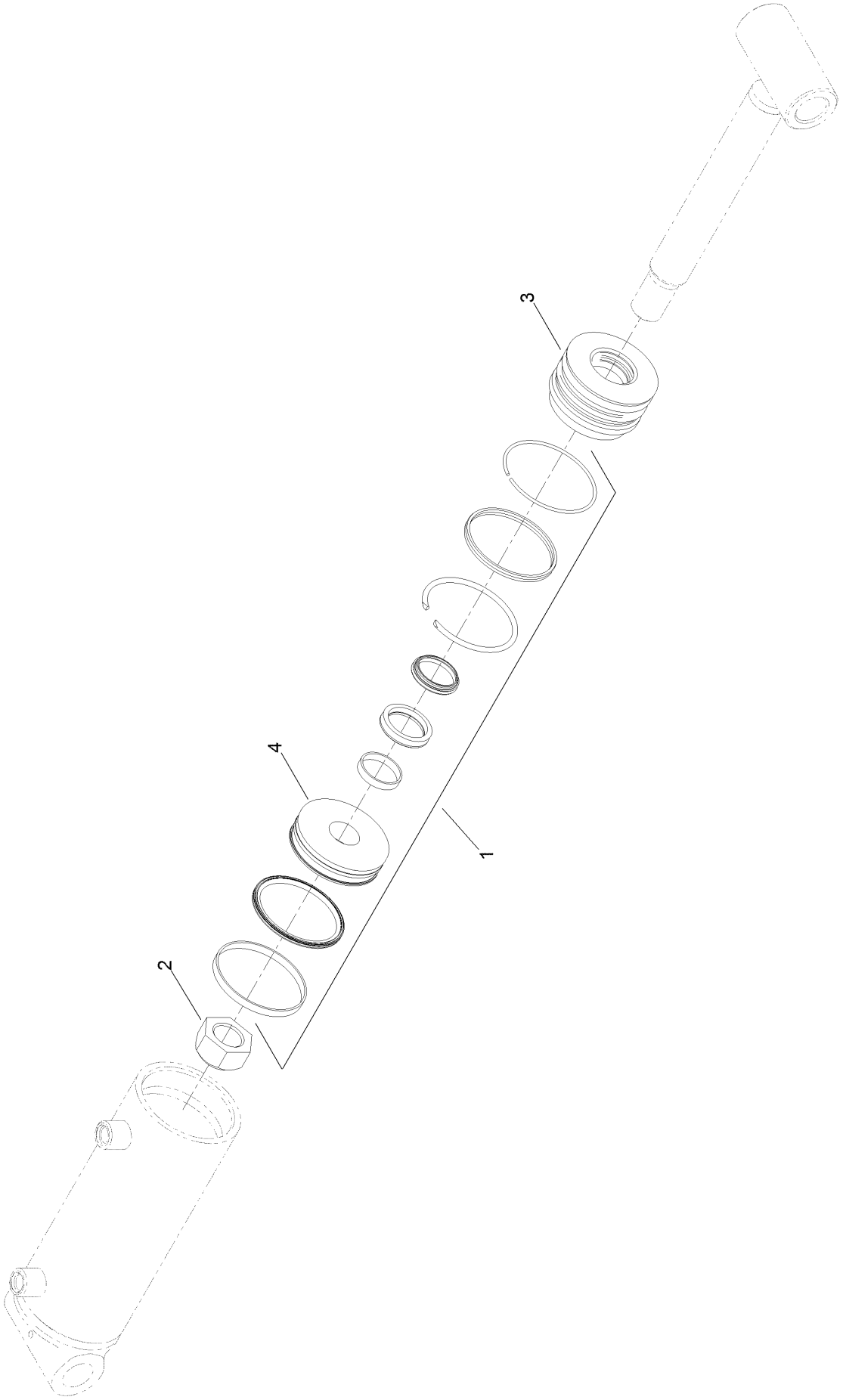
Trencher Head and Lift Assembly



Trencher Head and Lift Assembly (continued)

Ref.	Part Number	Qty.	Description
1	137-3827	1	Hydraulic Cylinder ASM
2	117-6423	1	Trencher Head ASM
2:2	99-9952	2	Decal-Danger
3	120-7352	2	Pin-Pivot
4	321-18	2	Screw-HH
5	104-7201	2	Nut-HF, NI
6	302-5	4	Fitting-Grease
7	121-4571	1	Spacer-Pivot
8	104-9216	2	Washer-Hardened
9	117-6327	1	Bolt-HH
10	3296-53	1	Nut-Lock, NI
11	302-34	1	Fitting-Lube
12	115-1279-05	1	Bracket-Shield
13	322-5	8	Screw-HH
14	119-4041	11	Nut-HF
15	322-23	1	Screw-HH
16	3256-3	4	Washer-Flat
17	117-6317	1	Shield-Dirt
18	115-4001-05	1	Plate-Strap,Shield
19	117-6316-05	1	Bar-Clamp
20	115-4049	2	Screw-HSH
21	106-8871	1	Bearing-Ball
22	114-2955	1	Seal-Grease
23	117-6308	1	Shaft-Trencher
24	112-4979	1	Spacer
25	111199	1	Bearing-Ball
26	114-2956	1	Lockwasher-Bearing
27	88-1450	1	Locknut-Bearing
28	117-6315	1	Collar-Splined
29	104-1964	1	Sprocket-Trencher
30	3274-4	6	Screw-HSH
31	137-3737-05	1	Trencher Auger ASM (Welded)
32	325-13	1	Screw-HH
33	117-3479	2	Washer-Saddle
34	3296-23	1	Nut-Lock, NI
36	340-77	1	Fitting-Elbow, 90 DEG
36:1	237-22	1	O-Ring
36:2	237-42	1	O-Ring
37	115-4081	1	Valve-Check
37:1	237-42	1	O-Ring
37:2	237-22	1	O-Ring
38	147-6707	2	Decal-Lift, Tie Down

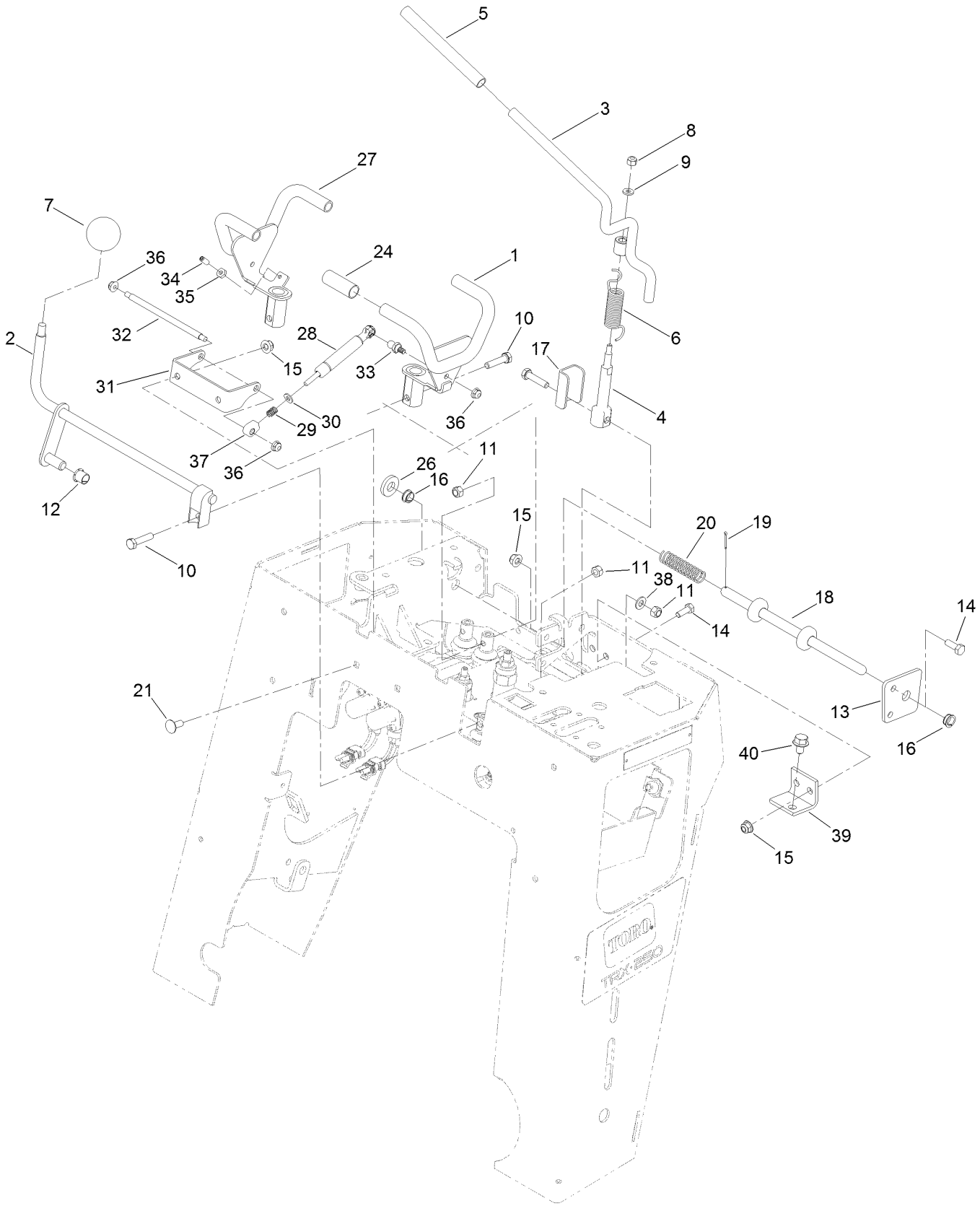
Hydraulic Cylinder Assembly No. 137-3827



Hydraulic Cylinder Assembly No. 137-3827 (continued)

Ref.	Part Number	Qty.	Description
1	140-3110	1	Kit-Seal
2	138-7141	1	Nut-Hex
3	138-7142	1	Head-Cylinder
4	138-7143	1	Piston

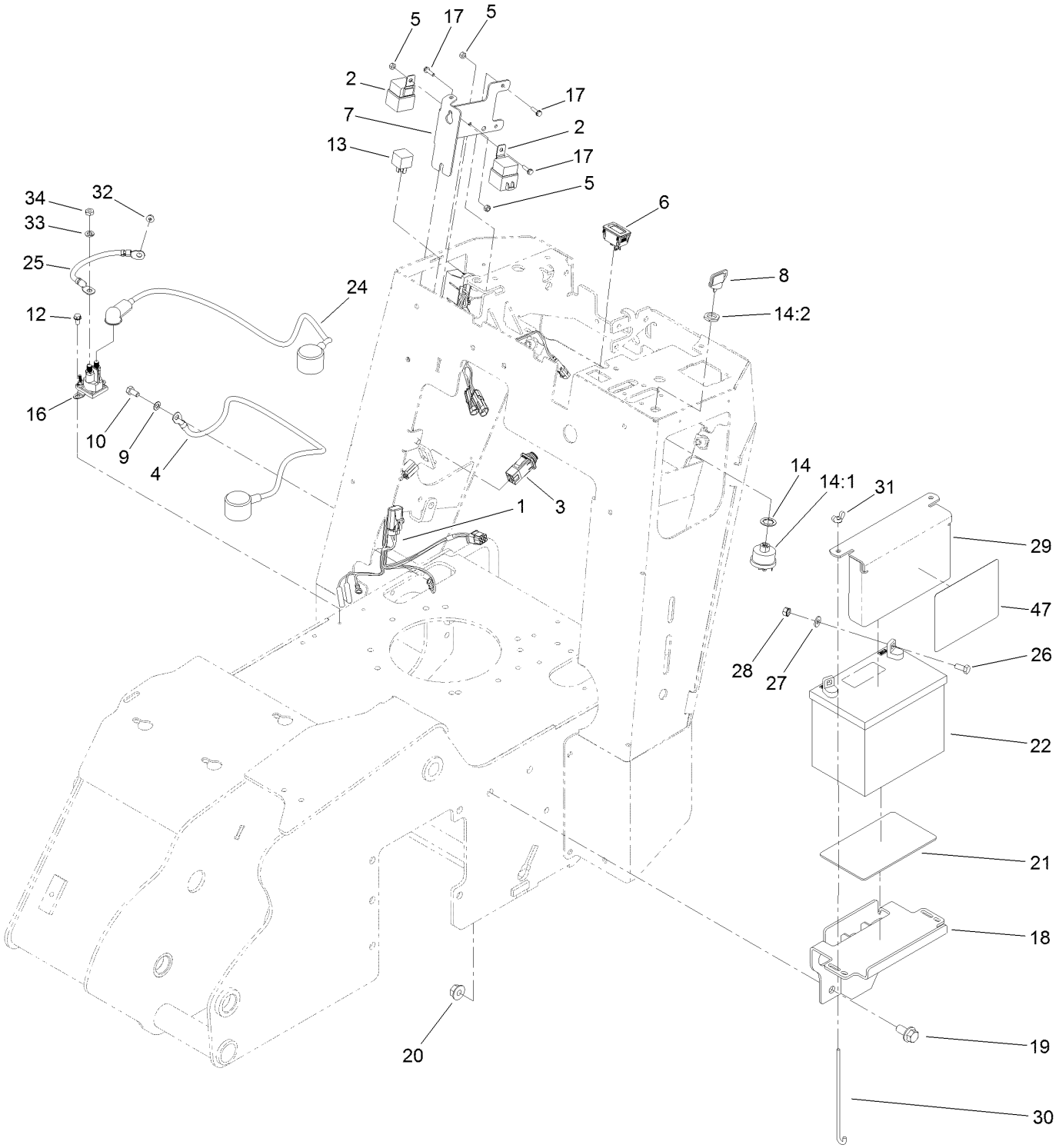
Control Assembly



Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	140-5764-05	1	Handle-Traction, LH [blk-Txt]
2	139-1306	1	Lever-Lift
3	137-7651	1	Lever-Auxiliary
4	137-7649	1	Lever-Drive, Chain
5	138-3168	1	Grip
6	112-2738	1	Spring-Torsion
7	233-21	1	Knob
8	3296-42	1	Nut-Lock, NI
9	3256-16	1	Washer-Flat
10	33114-035	4	Screw-HH
11	33024-00	4	Nut-Lock, NI
12	256-257	1	Bushing-Nyliner
13	138-3123-05	1	Plate-Bushing
14	322-4	4	Screw-HH
15	119-4041	6	Nut-HF
16	116-1393	2	Bushing
17	138-3124	1	Bracket-Lever
18	138-7163	1	Rod-Lockout
19	3272-4	1	Pin-Cotter
20	95-4256	1	Spring-Compression
21	137-3061	2	Bolt-CARR
24	139-1307	4	Grip
26	107-3395	1	Washer-Hardened
27	140-5765-05	1	Handle-Traction, RH [blk-Txt]
28	139-1314	2	Damper
29	139-1321	2	Spring-Compression
30	139-1323	2	Washer-Spcl
31	139-1299-05	1	Bracket-Damper
32	139-1316	1	Rod-Damper
33	139-1315	2	Stud-Ball
34	3245-3	2	Screw-Set, Hs
35	3218-1	2	Nut-Jam
36	104-7201	4	Nut-HF, NI
37	140-1122	2	Fitting-Clevis
38	3256-23	1	Washer-Plain
39	140-5767	1	Bracket-Valve
40	68-9410	1	Screw-HHF

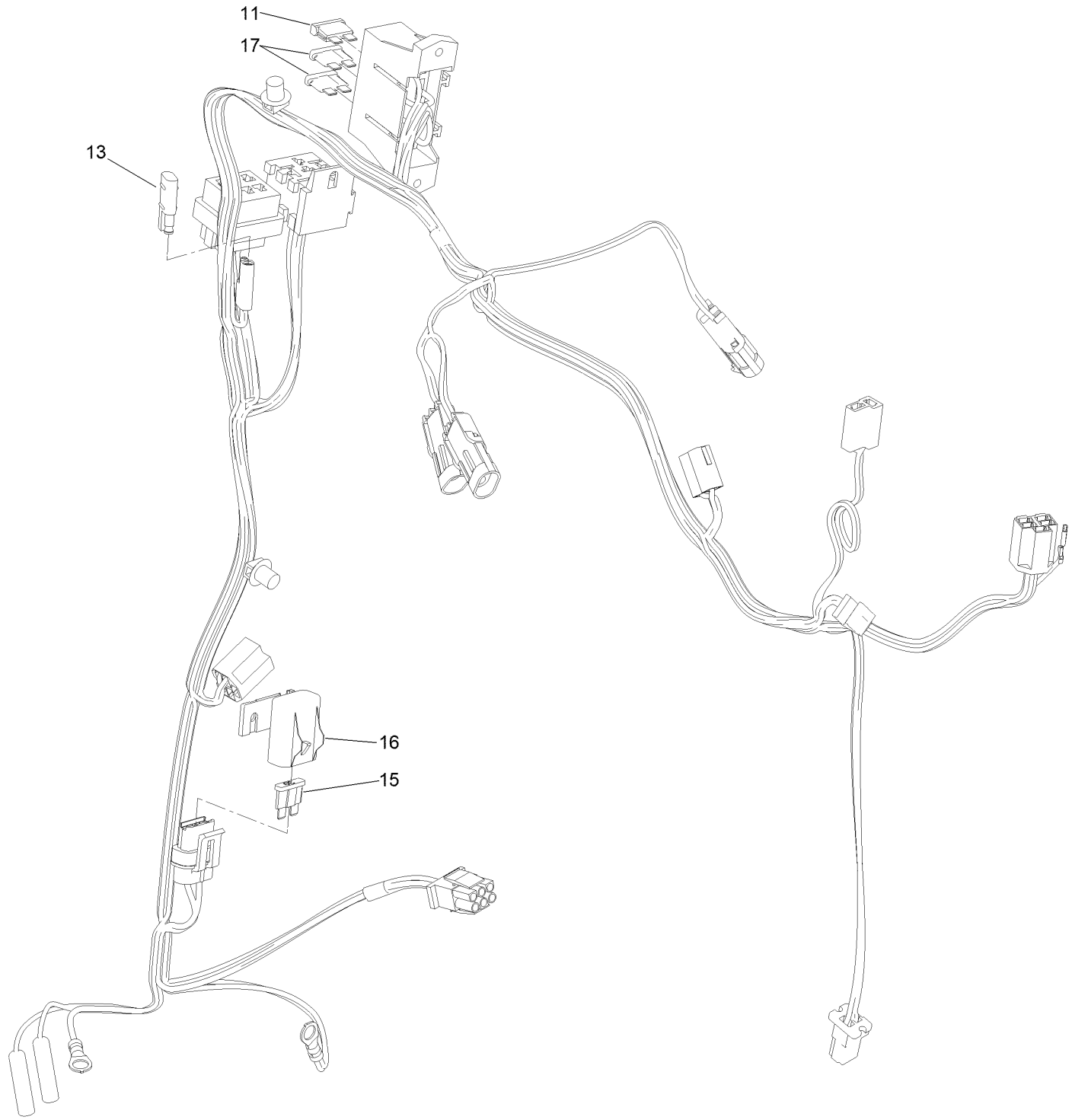
Electrical Assembly



Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
1	138-7153	1	Harness-Wire
2	99-7430	1	Relay-Mini
3	100-1268	1	Switch-Plunger
4	138-3133	1	Cable-Battery, Negative
5	3296-2	4	Nut-Lock, NI
6	120-2244	1	Hourmeter
7	138-3104-05	1	Bracket-Electrical
8	63-8360	1	Key-Ignition
9	3255-8	1	Washer-Lock
10	322-2	1	Screw-HH
12	32144-4	2	Screw-HWH
13	98-7249	1	Relay
14	88-9830	1	Key Switch ASM
14:1	3254-5	1	Washer-Lock
14:2	218-461	1	Nut-HH
16	117-1197	1	Solenoid
17	32105-13	4	Screw-HWH
18	138-3114-05	1	Tray-Battery [blk-Txt]
19	3234-6	2	Screw-HHF
20	32128-49	2	Nut-HHF
21	62-4300	1	Pad-Skid, Anti
22	104-8162	1	Battery
24	138-3134	1	Cable-Battery, Positive
25	138-3132	1	Cable-Battery, Positive
26	322-3	2	Screw-HH
27	3256-2	2	Washer-Flat
28	32149-1	2	Nut-Keps
29	115-6621-05	1	Plate-Hold Down,Battery
30	1-633651	2	Bolt-Holddown
31	32103-22	2	Nut-Wing
32	33003-00	1	Nut-HF
33	3253-4	2	Washer-Lock
34	3220-2	2	Nut-Hex Jam
47	137-3882	1	Decal-Service

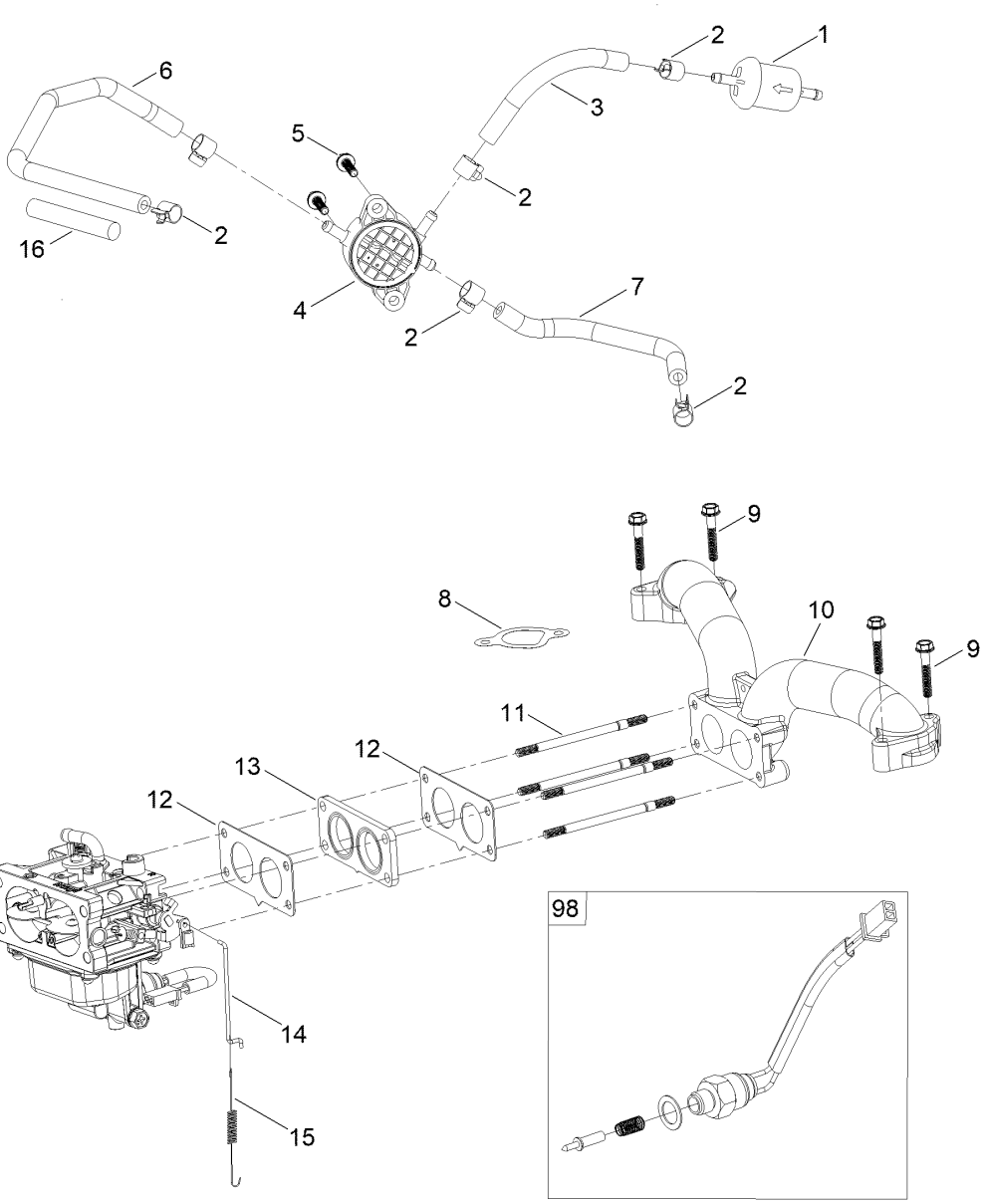
Wire Harness Assembly No. 138-7153

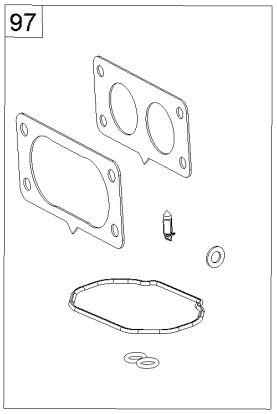


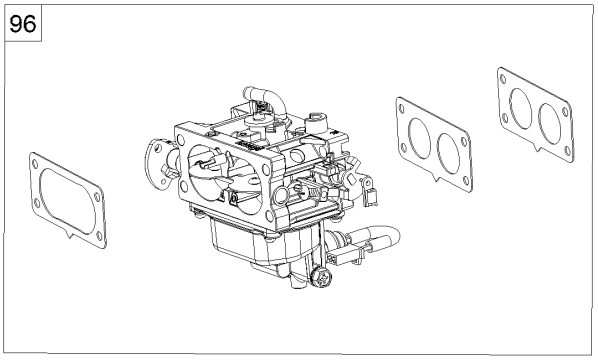
Wire Harness Assembly No. 138-7153 (continued)

Ref.	Part Number	Qty.	Description
11	109355	1	Fuse-Blade, 15 Amp
13	116-0053	1	Cap-Plug
15	109103	1	Fuse-Blade, 30 Amp
16	32180-019	1	Cover-Fuse, Single
17	218-578	2	Fuse-Blade, 10 Amp

Fuel System Assembly





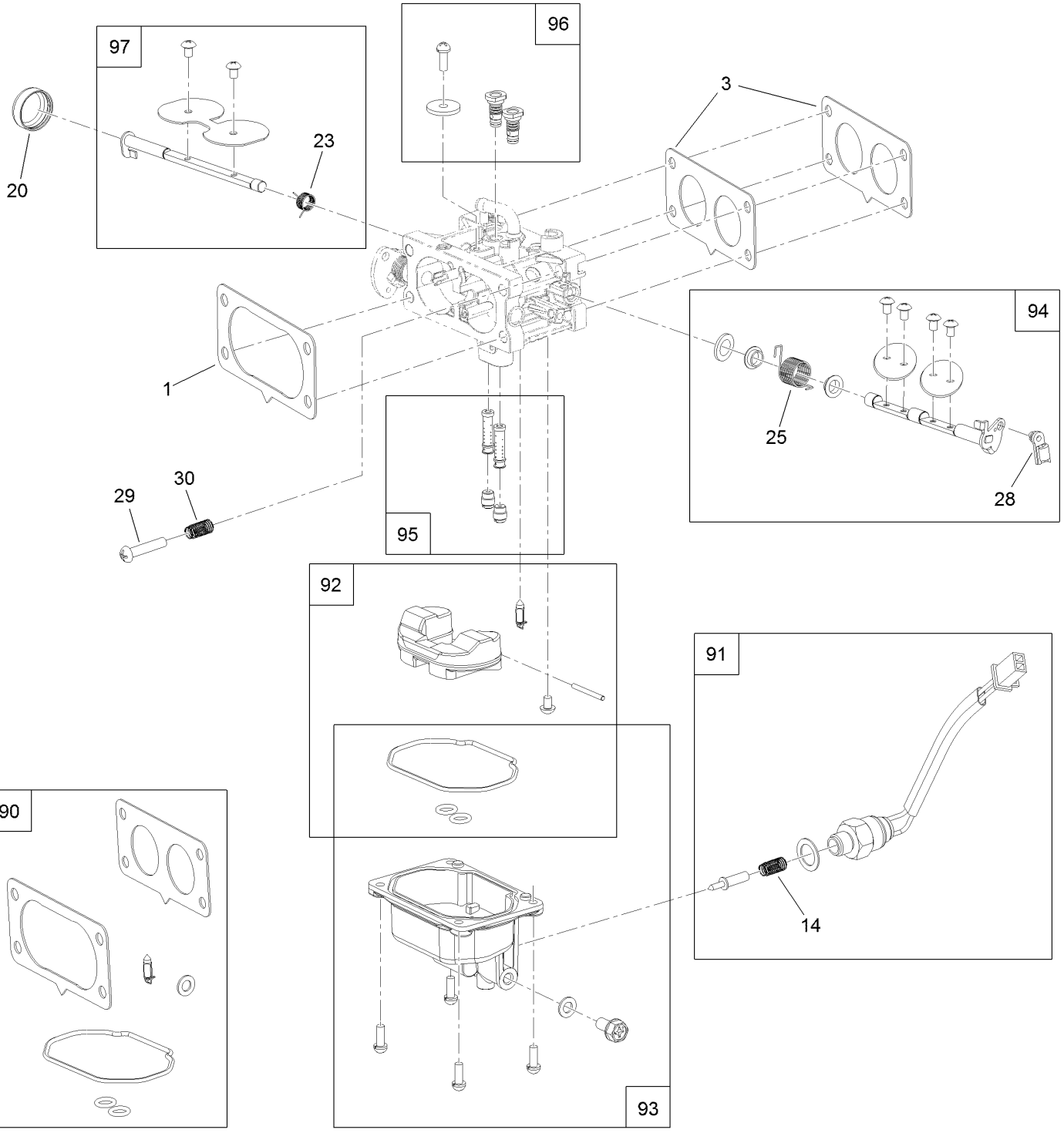


Fuel System Assembly (continued)

Ref.	Part Number	Qty.	Description
1	139-0717	1	Filter-Fuel
2	139-0719	6	Clamp-Fuel Hose
3	120-4371	1	Hose-Fuel
4	139-0684	1	Pump-Fuel
5	120-4225	2	Screw-HHF
6	127-9205	1	Hose-Fuel
7	127-9207	1	Hose-Fuel
8	127-9230	2	Gasket-Intake
9	120-4284	4	Screw-HHF
10	127-9244	1	Manifold-Intake
11	127-9245	4	Stud
12	127-9246	2	Gasket-Carburetor
13	127-9247	1	Insulator-Carburetor
14	133-9963	1	Linkage-Throttle
15	133-9964	1	Spring-Return, Throttle
16	127-9355	1	Sleeve-Fuel Line Protector
96	136-7842	1	Carburetor Replacement Kit ASM
97	127-9290	1	Carburetor Repair Kit
98	127-9292	1	Solenoid Kit
99	136-7838	1	High Altitude Kit ●

● Not illustrated

Carburetor Assembly

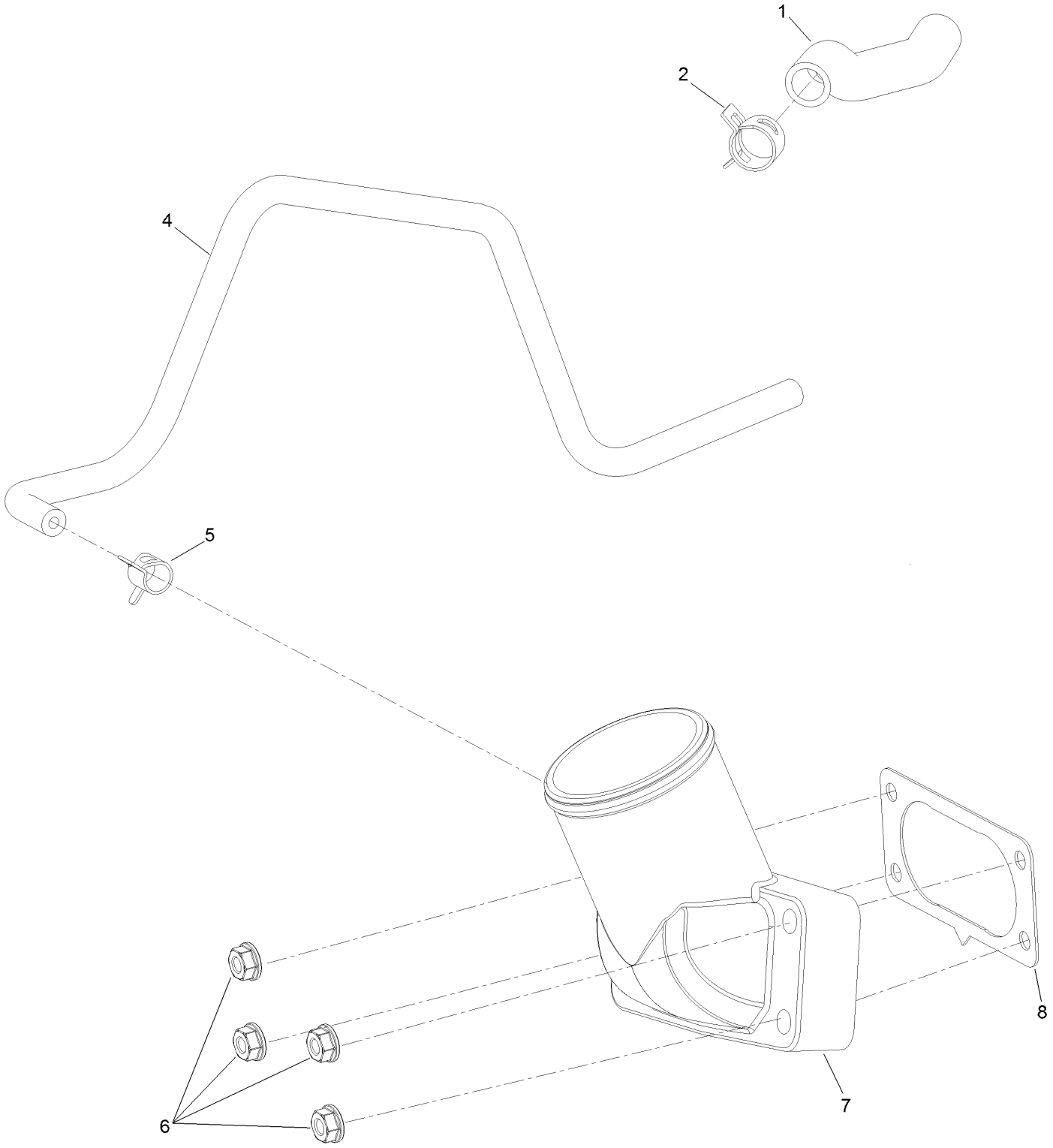


Carburetor Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9251	1	Gasket-Carburetor
3	127-9246	2	Gasket-Carburetor
14	127-9319	1	Spring
20	127-9325	1	Cover-Shaft, Choke
23	127-9328	1	Spring
25	127-9330	1	Spring
28	127-9333	1	Clamp-Lock
29	127-9334	1	Screw-PPH
30	127-9335	1	Spring

Ref.	Part Number	Qty.	Description
90	127-9290	1	Carburetor Repair Kit
91	127-9292	1	Solenoid Kit
92	127-9340	1	Float Kit
93	127-9341	1	Bowl Kit
94	133-9817	1	Throttle Shaft Kit
95	136-7846	1	Nozzle And Jet Kit
96	136-7899	1	Idle Jet Kit
97	127-9345	1	Choke Shaft Kit

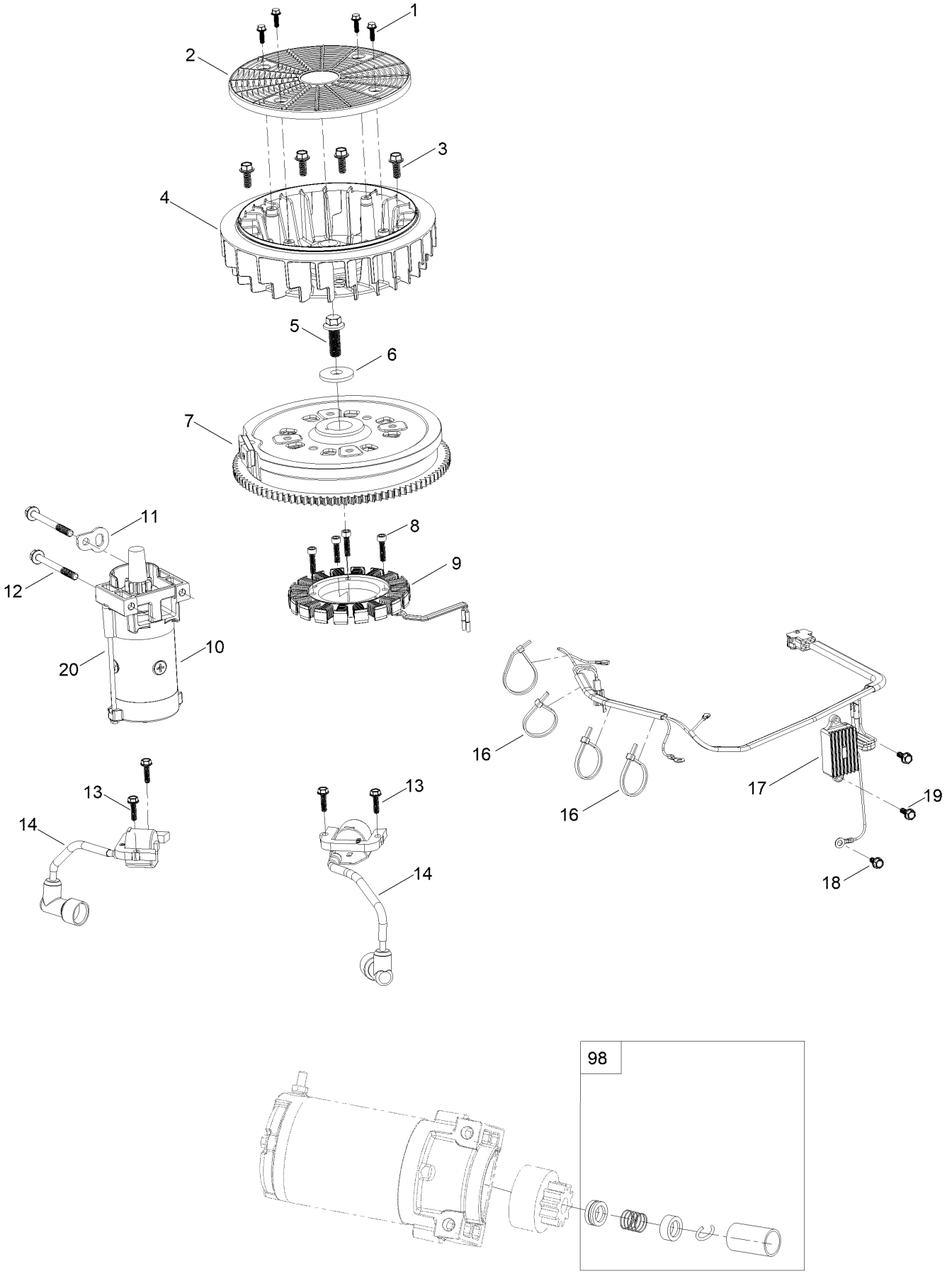
Air Intake and Filtration Assembly



Air Intake and Filtration Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9235	1	Tube-Breather
2	127-9234	2	Clamp-Hose
4	127-9253	1	Hose-Fuel
5	127-9187	1	Clamp-Hose
6	120-4236	4	Nut-Flange
7	136-9241	1	Manifold-Intake
8	127-9251	1	Gasket-Carburetor

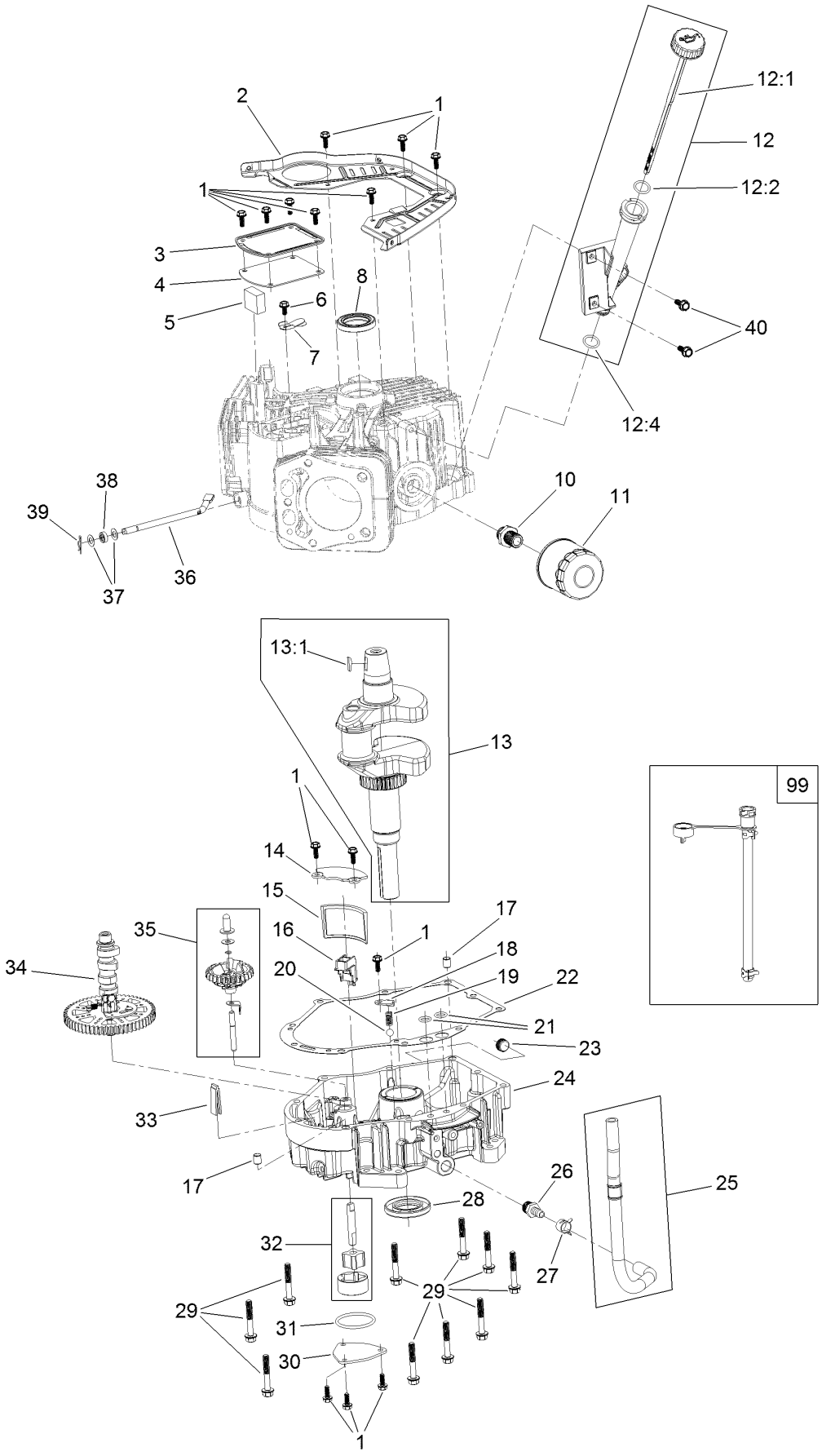
Ignition and Cooling Fan Assembly



Ignition and Cooling Fan Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9197	4	Screw-HWH
2	127-9198	1	Screen-Rotating
3	127-9199	4	Screw-HWH
4	127-9200	1	Fan-Cooling
5	127-9201	1	Screw-HWH
6	127-9202	1	Washer-Spring
7	127-9306	1	Flywheel
8	127-9210	4	Screw-HSH
9	136-7876	1	Alternator
10	136-7880	1	Motor-Starter
11	127-9208	1	Bracket-Lift
12	120-4231	2	Screw-HHF
13	121-0007	4	Bolt-Flange
14	139-0720	2	Ignition Coil ASM
16	127-9220	4	Tie-Zip
17	136-7879	1	Regulator-Voltage, W/Harness
18	120-4216	1	Screw-HHF
19	120-4232	2	Screw-HHF
20	133-1562	1	Pinion-Starter
98	133-1566	1	Starter Repair Kit

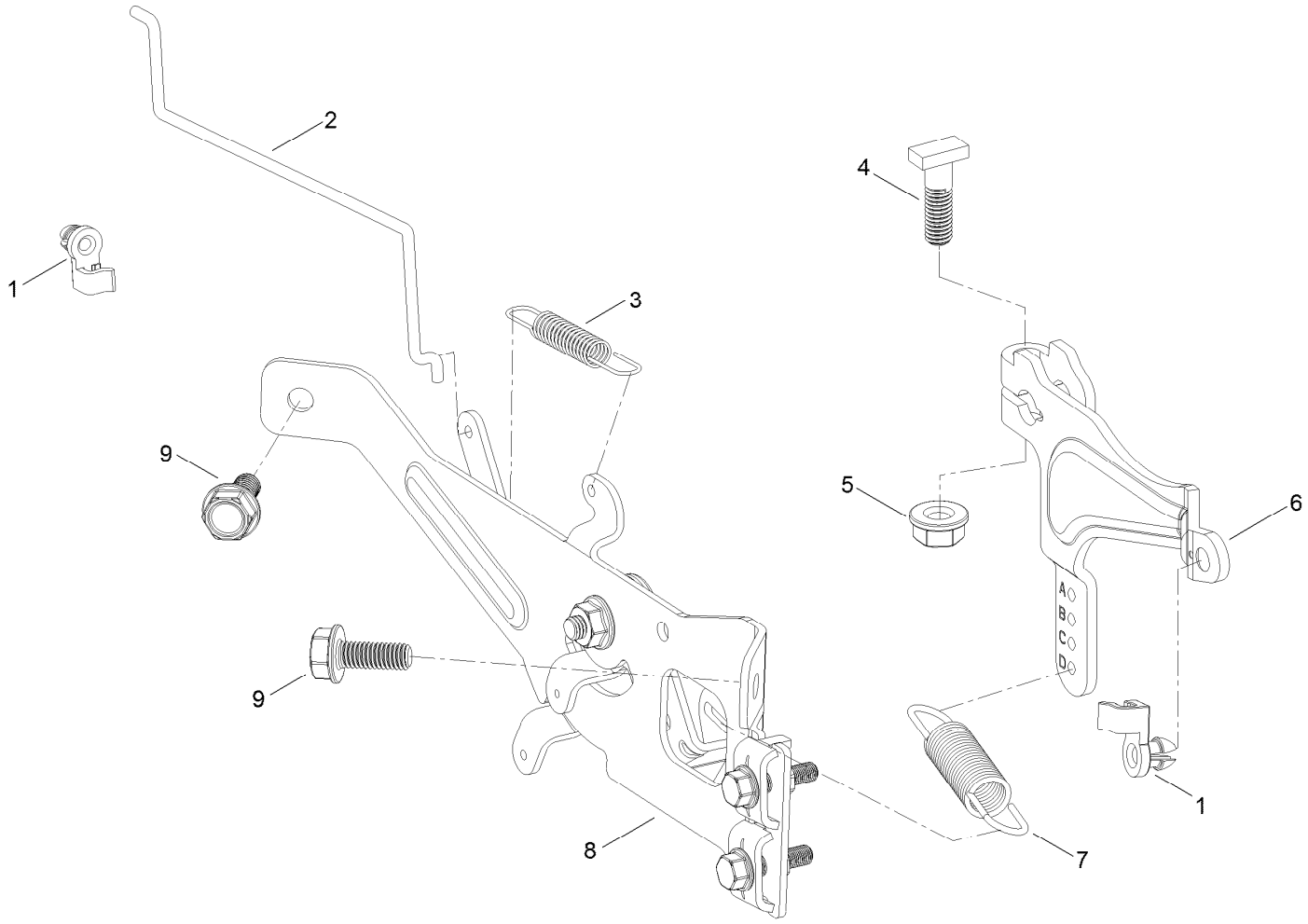
Crankcase and Crankshaft Assembly



Crankcase and Crankshaft Assembly (continued)

Ref.	Part Number	Qty.	Description
1	120-4232	14	Screw-HHF
2	127-9212	1	Baffle
3	127-9213	1	Cover-Breather
4	127-9214	1	Gasket-Breather
5	127-9215	1	Filter-Breather
6	120-4216	1	Screw-HHF
7	127-9217	1	Valve-Breather
8	120-4267	1	Seal-Oil
10	136-7884	1	Adaptor-Filter, Oil
11	146-7854	1	Filter-Oil
12	127-9218	1	Oil Tube ASM
12:1	127-9283	1	Dipstick
12:2	127-9284	1	O-Ring
12:4	127-9286	1	O-Ring
13	127-9255	1	Crankshaft
13:1	120-4320	1	Key-Woodruff
14	127-9261	1	Cover-Screen, Oil
15	127-9262	1	Screen-Oil
16	127-9263	1	Retainer-Screen
17	120-4274	2	Pin-Dowel
18	127-9264	1	Plate-Retainer
19	127-9265	1	Spring
20	127-9266	1	Valve-Ball
21	120-4262	2	O-Ring
22	127-9267	1	Gasket-Cover, Crankcase
23	133-9805	1	Plug-Drain
24	133-9806	1	Cover-Crankcase
25	127-9293	1	Oil Drain Hose ASM
26	127-9275	1	Fitting-Hose
27	127-9276	1	Clamp-Hose
28	127-9271	1	Seal
29	121-0473	10	Screw-HHF
30	127-9274	1	Cover-Oil Pump
31	127-9273	1	O-Ring
32	127-9272	1	Oil Pump ASM
33	120-4275	1	Deflector-Oil, Rubber
34	133-1568	1	Camshaft
35	136-7882	1	Governor ASM
36	127-9238	1	Shaft-Governor
37	120-4258	2	Washer-Plain
38	120-4257	1	Seal-Oil
39	120-4256	1	Pin-Hair
40	120-4232	2	Screw-HHF
99	144-0976	1	Oil Drain Service Kit

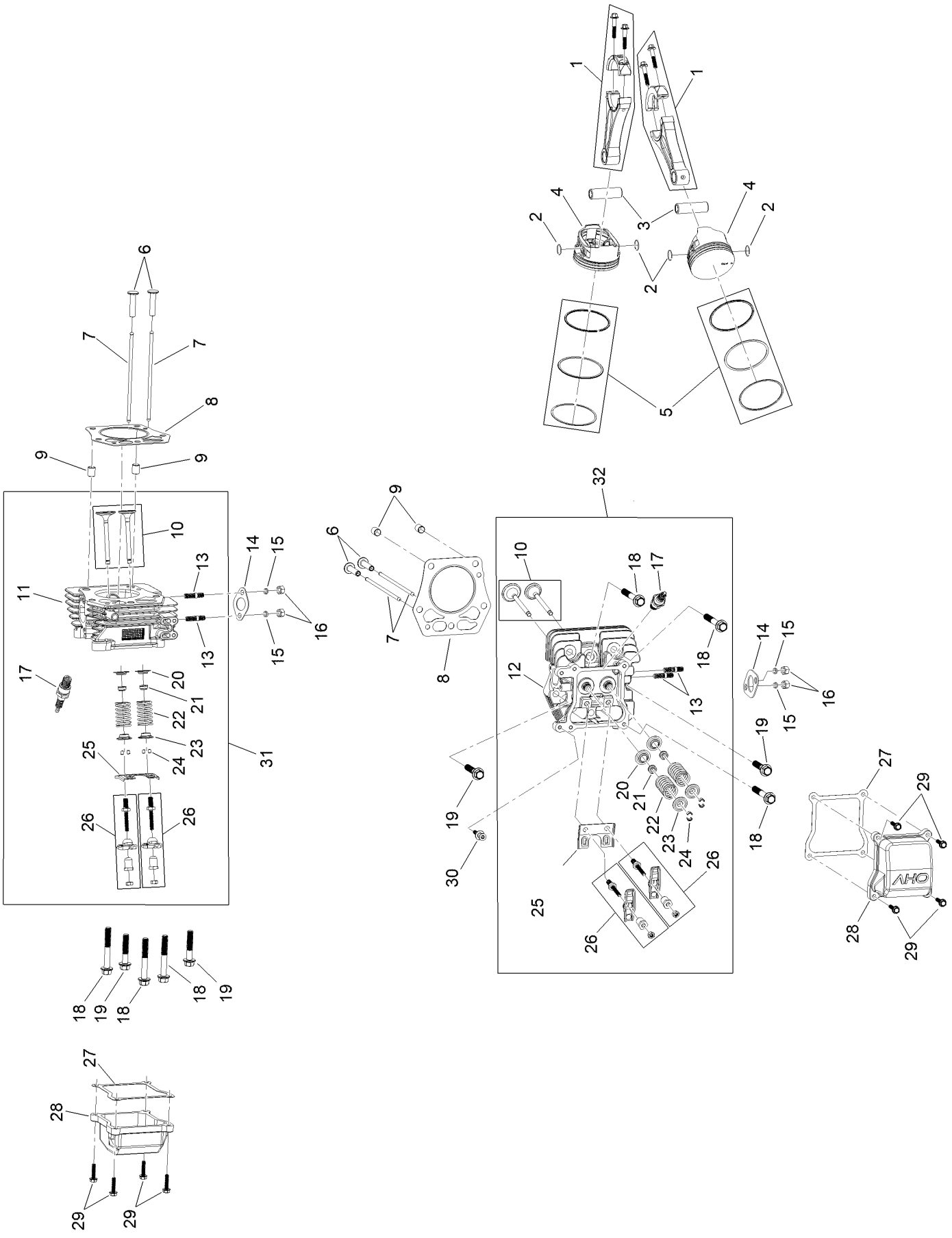
Governor Control Assembly



Governor Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9250	2	Clip-Linkage
2	127-9242	1	Linkage-Choke
3	127-9241	1	Spring-Governor
4	120-4238	1	Bolt-Arm, Governor
5	120-4236	1	Nut-Flange
6	133-9961	1	Arm-Governor
7	133-9962	1	Spring-Governor
8	133-1570	1	Control Plate ASM
9	120-4232	2	Screw-HHF

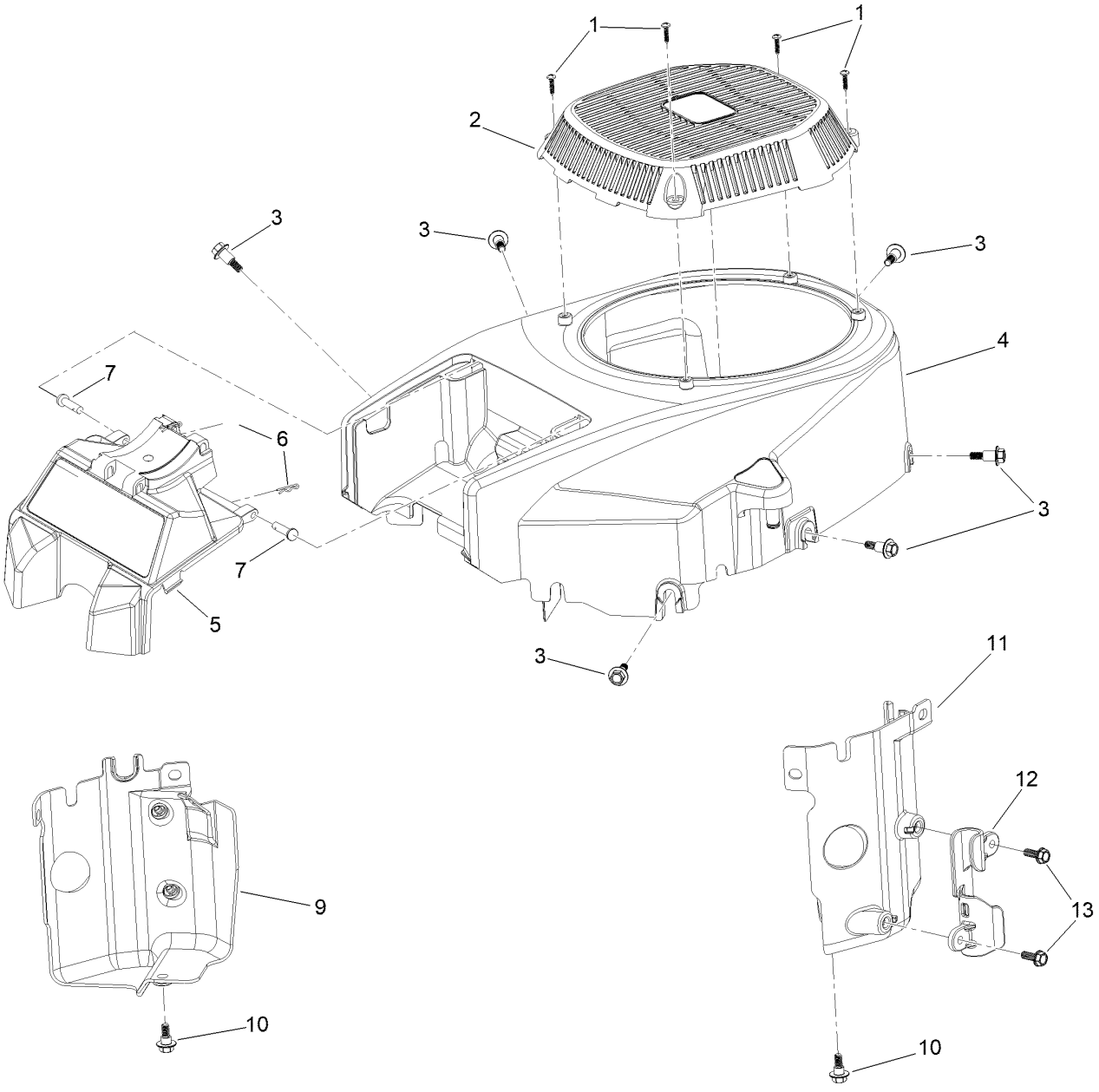
Piston and Cylinder Head Assembly



Piston and Cylinder Head Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9256	2	Connecting Rod ASM
2	127-9258	4	Clip-Pin, Piston
3	127-9257	2	Pin-Piston
4	127-9259	2	Piston
5	127-9260	2	Piston Ring Set
6	127-9224	4	Lifter-Valve
7	127-9225	4	Rod-Push
8	127-9226	2	Gasket-Head, Cylinder
9	127-9227	4	Pin-Dowel
10	127-9228	2	Valve Set
11	133-9802	1	Head-Cylinder, Right
12	133-9804	1	Head-Cylinder, Left
13	121-0464	4	Stud-Exhaust
14	120-4317	2	Gasket-Exhaust
15	127-9279	4	Washer-Lock, Split
16	121-0199	4	Nut-HH
17	81-3250	2	Spark Plug
18	127-9231	6	Screw-HWH
19	127-9232	4	Screw-HWH
20	120-4303	4	Seat-Spring, Valve
21	120-4304	4	Seal-Stem, Valve
22	120-4305	4	Spring-Valve
23	120-4306	4	Retainer-Spring, Valve
24	120-4307	8	Keeper-Valve
25	127-9233	2	Plate-Guide, Push Rod
26	136-7881	4	Rocker Arm ASM
27	127-9295	2	Gasket-Valve Cover
28	127-9050	2	Cover-Valve
29	120-4225	8	Screw-HHF
30	120-4214	1	Screw-Shoulder, HH
31	136-7891	1	Complete Right Head ASM
32	136-7892	1	Complete Left Head ASM

Blower Housing Assembly

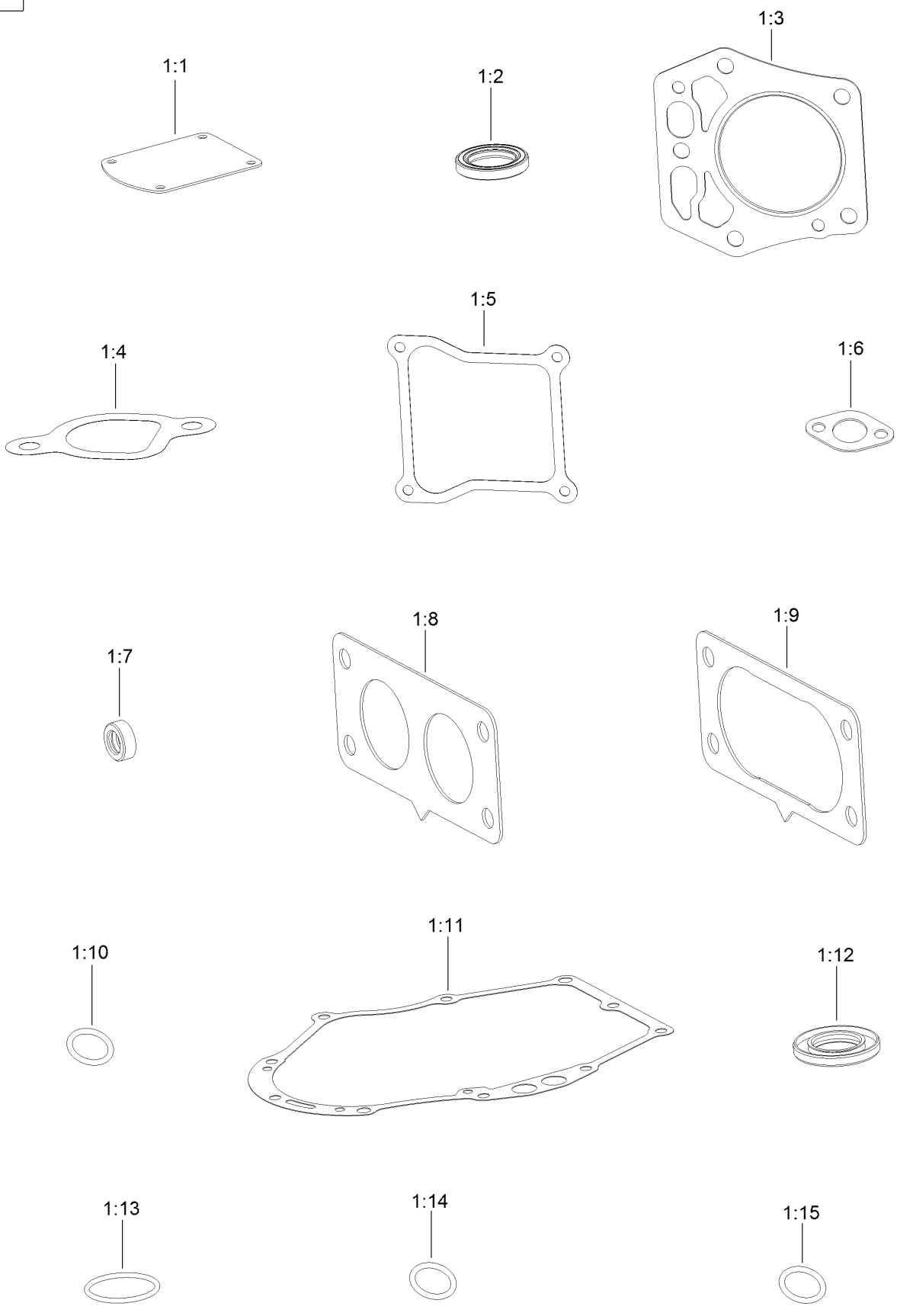


Blower Housing Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-1571	4	Screw-PPH, Plastic
2	127-9045	1	Cover-Fan
3	127-9196	6	Screw-Shoulder, HWH
4	133-1572	1	Shroud-Engine
5	136-5585	1	Support-Filter
6	127-9280	2	Pin-Hair
7	127-9282	2	Pin
9	136-7877	1	Baffle-Air, Left
10	120-4210	2	Screw-Shoulder, HHF
11	136-7878	1	Baffle-Air, Right
12	127-9287	1	Cleat-Hose
13	120-4232	2	Screw-HHF

Gasket and Seal Kit

1



Gasket and Seal Kit (continued)

Ref.	Part Number	Qty.	Description
1	127-9296	1	Gasket And Seal Kit
1:1	127-9214	1	Gasket-Breather
1:2	120-4267	1	Seal-Oil
1:3	127-9226	2	Gasket-Head, Cylinder
1:4	127-9230	2	Gasket-Intake
1:5	127-9295	2	Gasket-Valve Cover
1:6	120-4317	2	Gasket-Exhaust
1:7	120-4257	1	Seal-Oil
1:8	127-9246	2	Gasket-Carburetor
1:9	127-9251	1	Gasket-Carburetor
1:10	120-4262	2	O-Ring
1:11	127-9267	1	Gasket-Cover, Crankcase
1:12	127-9271	1	Seal
1:13	127-9273	1	O-Ring
1:14	127-9284	1	O-Ring
1:15	127-9286	1	O-Ring

Attachments and Accessories

For 22983 — TRX-250 Trencher

Product Name	Model/Part
8in Chain Conversion Kit for 36in Soil Chain	117-3480
PX Hydraulic Fluid (5 Gal)	133-8086
PX Hydraulic Fluid (55 Gal)	133-8087
Oil-30/10W-30 Synthetic (Quart)	138-6053
PX Hydraulic Fluid-4 Pack (Gallon)	138-9460
Kit-Spare Tire and Mount	164-1449
Crumber Kit	22477
24in X 4in Soil Chain	22480
24in X 4in Combination Chain	22481
24in X 4in Rock Tooth Chain	22482
24in X 6in Soil Chain	22483
24in X 6in Combination Chain	22484
24in X 6in Rock Tooth Chain	22485
36in X 4in Soil Chain	22486
36in X 4in Combination Chain	22487
36in X 4in Rock Tooth Chain	22488
36in X 6in Rock Tooth Chain	22489
36in X 6in Soil Chain	22490
36in X 6in Combination Chain	22491
48in x 4in Soil Chain	22492
48in x 4in Combination Chain	22493
48in x 6in Soil Chain	22494
48in x 6in Combination Chain	22495
24in X 4in Bullet Chain	22496
24in X 6in Bullet Chain	22497
36in X 4in Bullet Chain	22498
36in X 6in Bullet Chain	22499
24in Trencher Boom	22975
36in Trencher Boom	22976
48in Trencher Boom	22977
Bore Drive Attachment	22978
Trailer, TRX Trencher or STX Stump Grinder	22979
Backfill Blade	22980
Toro Red 12oz Aerosol Can	361-10
New Red Paint - Gallon	361-11
Semi-Gloss Black Spray Paint	361-9
10W30 4-Cycle Engine Oil (32oz Bottle)	38280
Spark Arrestor Screen	94-8157

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Count on it.