



Form No. 3396-374 Rev D

Count on it.

Parts Catalog

SnowMaster 824 QXE Snowthrower

Model No. 36003—Serial No. 316000001 and Up



Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

Contents

Main Frame Assembly 4

Rotor Assembly 6

Rotor Drive Assembly 8

Transmission, Drive and Tire Assembly 10

Engine Assembly 12

Fuel System and Carburetor Assembly 14

Intake and Exhaust Assembly 16

Ignition and Electrical Assembly 18

Crankcase Assembly 20

Governor Assembly 22

Piston and Head Assembly 24

Blower Housing and Shrouds Assembly 26

Engine Decal Assembly 28

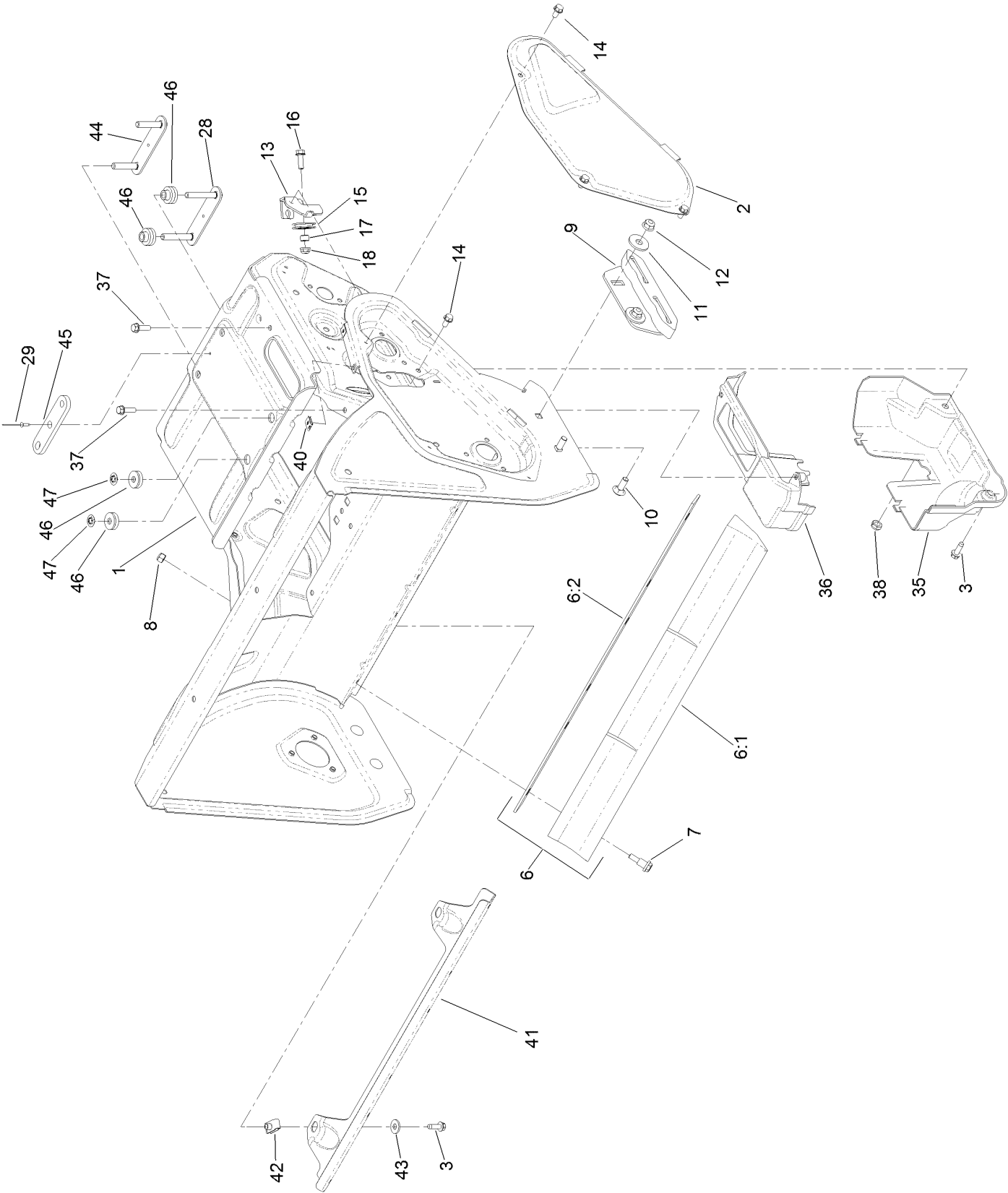
Chute Assembly 30

Chute Control Lever Assembly 32

Handle and Control Assembly 34

Attachments and Accessories 36

Main Frame Assembly

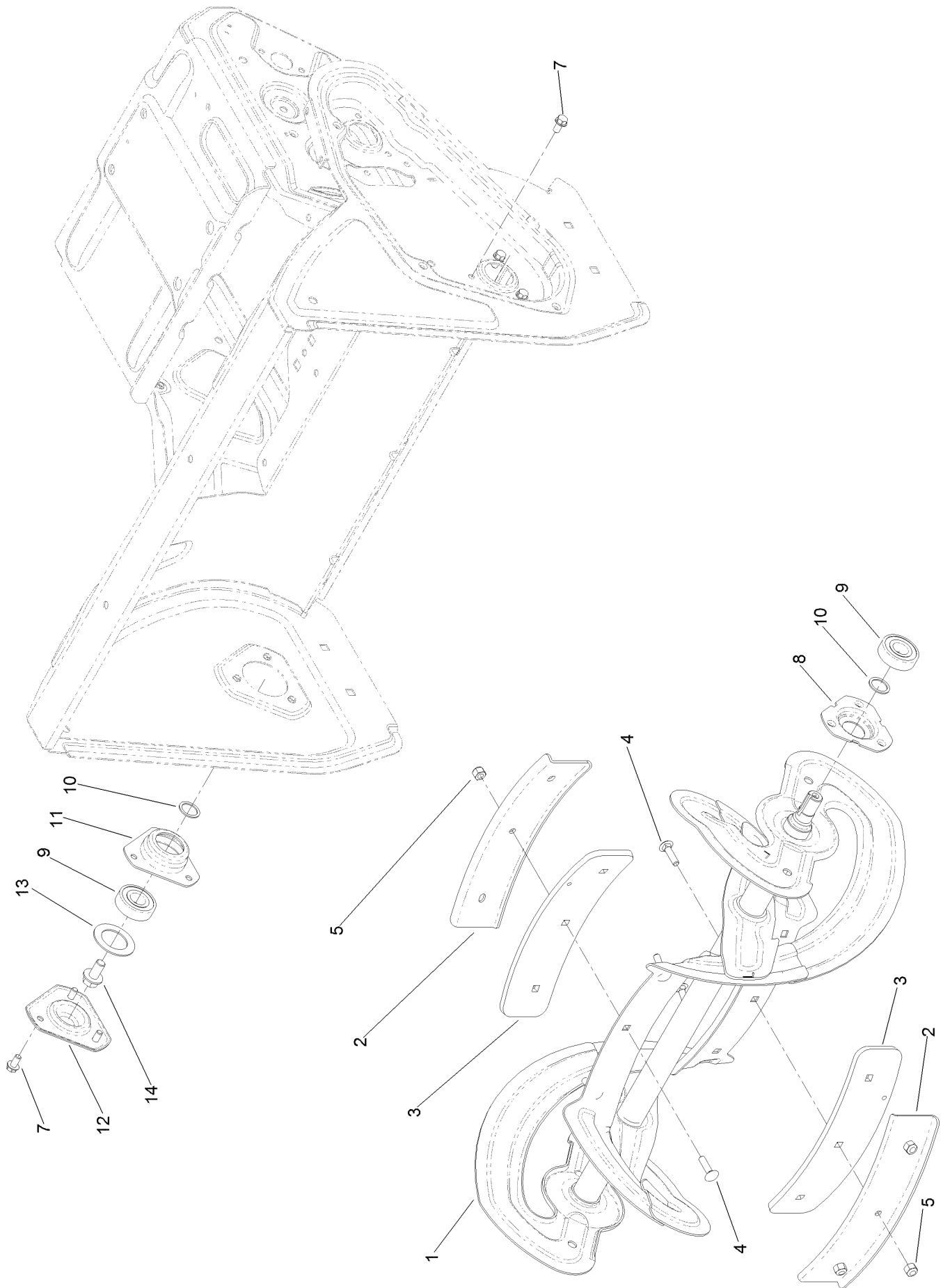


Main Frame Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	130-9550-01	1	Frame	17	55-9370	1	Spacer-Blade, Rotor
2	130-9581-01	1	Cover-Belt	18	104-7201	1	Nut-HF
3	49-2040	3	Screw-HWHTF	28	130-9641	1	Plate-Stud, Front
6	130-9628	1	Scraper ASM	29	923786	1	Rivet
6:1		1	Blade-Scraper ●	35	131-1763	1	Cover-Belt, Lower
6:2		1	Foam-Scraper ●	36	131-1764	1	Cover-Belt, Upper
7	104-0858	6	Bolt-Shoulder	37	46-8091	2	Screw-HWH
8	3296-42	6	Nut-Lock, NI	38	3296-47	1	Nut-Lock, NI
9	130-9619	2	Skid ASM	40	107-1013	2	Nut-Speed
10	3230-16	4	Screw-CARR	41	131-1797-01	1	Support-Frame, Lower
11	52-2861	4	Washer	42	107069	2	Clip
12	104-8300	4	Nut-HF, NI	43	3256-2	2	Washer-Flat
13	131-1793-03	1	Bracket-Cable	44	131-5947	1	Plate-Stud, Rear
14	32144-4	4	Screw-HWH	45	131-5944-01	1	Plate-Spacer
15	95-7949	1	Cable-Pulley	46	131-5945	2	Isolator-Engine
16	115-5103	1	Screw-HHF	47	109-5667	2	Ring-Retaining, Bolt

● Not serviced separately

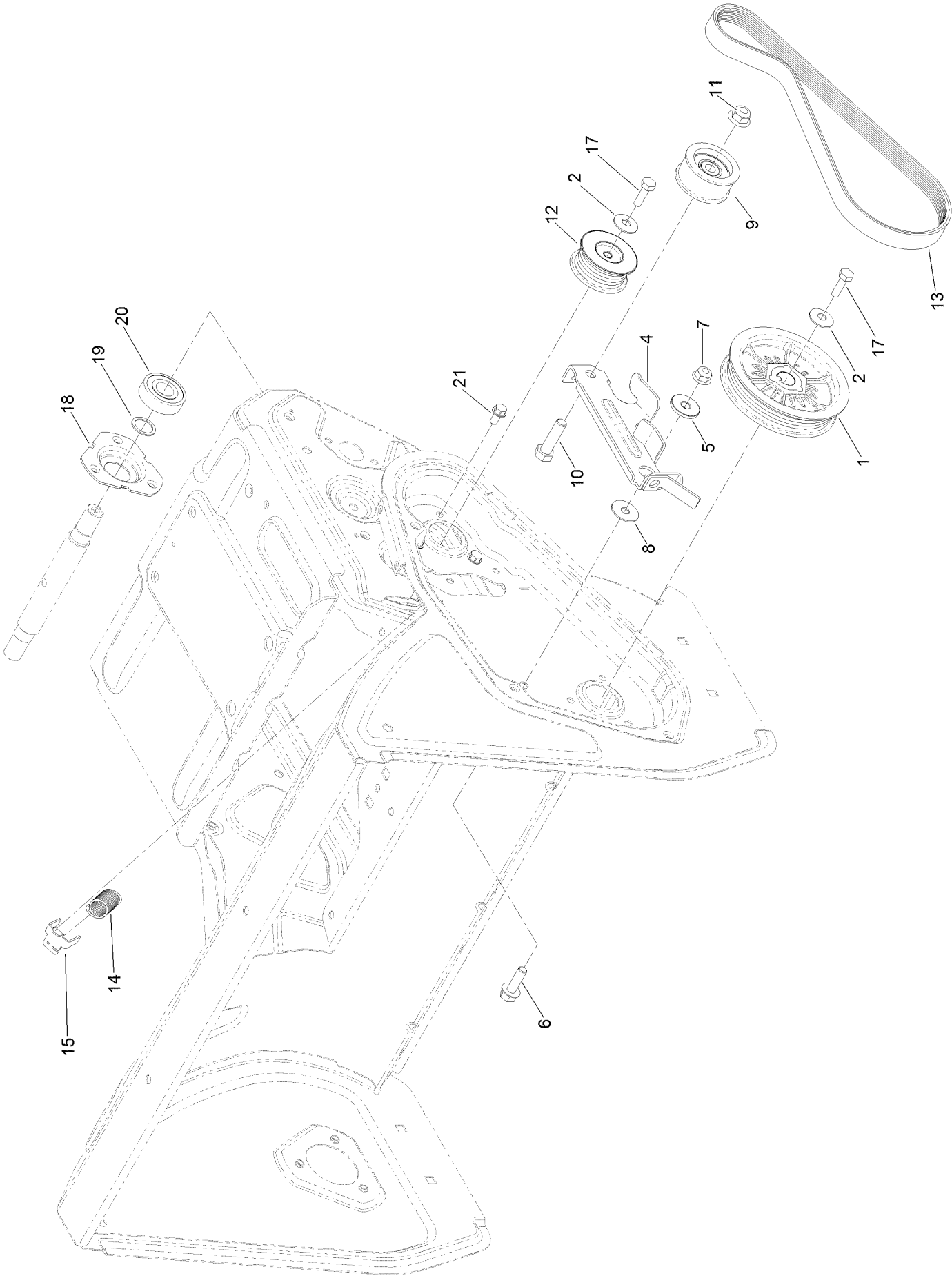
Rotor Assembly



Rotor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	130-9571-03	1	Rotor ASM	9	100-1048	2	Bearing-Ball
2	130-9568-03	2	Support-Center, Rotor	10	52-7280	2	Washer-Thrust
3	130-9569	2	Paddle-Center	11	130-9557	1	Bearing-Retainer
4	3229-2	6	Screw-CARR	12	130-9558-01	1	Cap-Bearing
5	3296-42	6	Nut-Lock, NI	13	131-5905	1	Washer-Rubber
7	32144-4	6	Screw-HWH	14	110-9380	1	Screw-HWH
8	108-4943	1	Flange-Bearing				

Rotor Drive Assembly

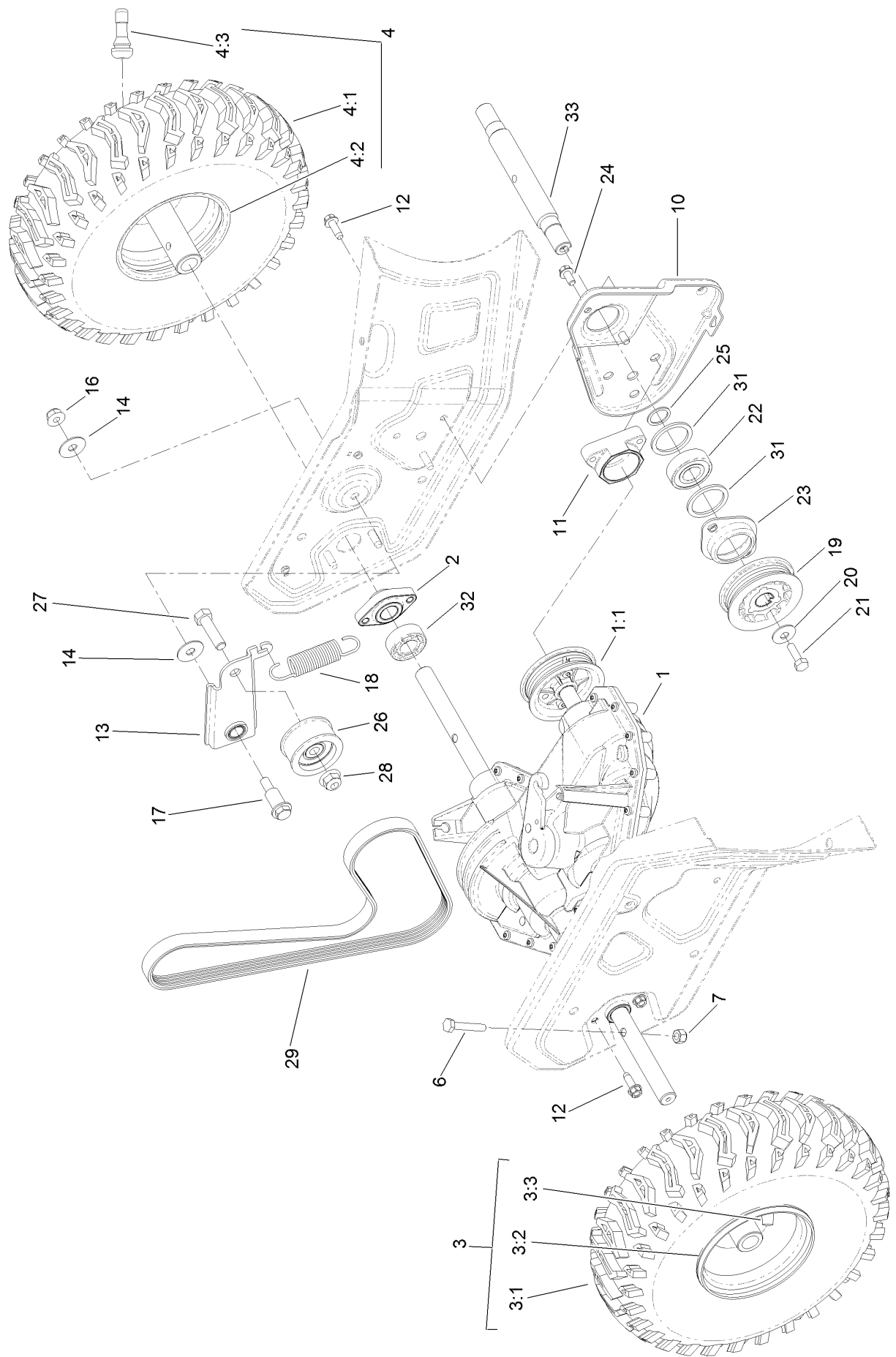


Rotor Drive Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	130-9574	1	Pulley-Rotor
2	3290-456	2	Washer-Belleville
4	131-5958	1	Arm-Clutch, Rotor
5	117-7711	1	Bushing-Idler
6	3234-29	1	Screw-HHF
7	104-8300	1	Nut-HF, NI
8	108-4925	1	Washer
9	131-5929	1	Pulley-Idler, Flat
10	323-29	1	Screw-HH
11	104-8301	1	Nut-HF, NI

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
12	130-9577	1	Pulley-Jackshaft, Rotor
13	130-9615	1	Belt-V
14	130-9572	1	Spring-Extension
15	108-4938	1	Clip-Spring, Brake
17	9080046	2	Screw-HH
18	108-4943	1	Flange-Bearing
19	52-7280	1	Washer-Thrust
20	100-1048	1	Bearing-Ball
21	32144-4	3	Screw-HWH

Transmission, Drive and Tire Assembly



Transmission, Drive and Tire Assembly (continued)

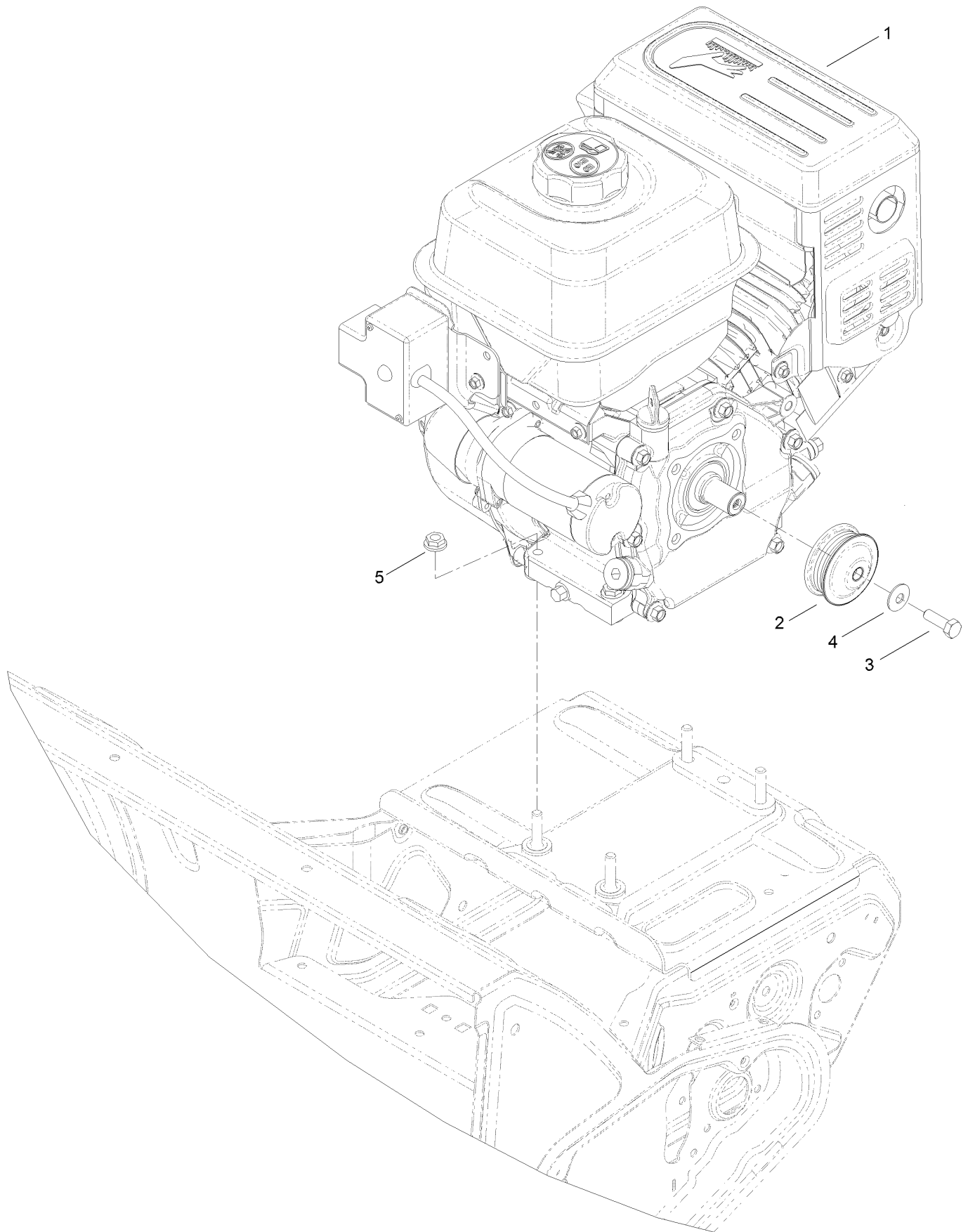
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	130-9642	1	Transmission
1:1	131-5973	1	Pulley Repair Kit
1:2	131-5984	1	Plug-Oil ●
2	130-9643	2	Bearing-Axle
3		1	RH Wheel And Tire ASM ■
3:1	130-9559	1	Tire
3:2	130-9560	1	Wheel
3:3	232-27	1	Stem-Valve
4		1	LH Wheel And Tire ASM ■
4:1	130-9559	1	Tire
4:2	130-9560	1	Wheel
4:3	232-27	1	Stem-Valve
6	321-9	2	Screw-HH
7	3296-42	2	Nut-Lock, NI
10	130-9586-03	1	Plate-Support, Jackshaft
11	131-1794	1	Support-Bearing
12	49-2040	7	Screw-HWHTF
13	131-1795	1	Idler-Traction

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
14	108-4925	2	Washer
16	104-8300	1	Nut-HF, NI
17	131-1789	1	Bolt-Shoulder, HHF
18	130-9645	1	Spring-Extension
19	130-9583	1	Pulley-Jackshaft
20	3290-456	1	Washer-Belleville
21	9080046	1	Screw-HH
22	100-1048	1	Bearing-Ball
23	130-9623	1	Retainer-Bearing
24	32144-4	2	Screw-HWH
25	52-7280	1	Washer-Thrust
26	131-5929	1	Pulley-Idler, Flat
27	323-29	1	Screw-HH
28	104-8301	1	Nut-HF, NI
29	131-1750	1	Belt-V
31	131-5904	2	Washer-Rubber
32	131-5910	1	Spacer-Axle
33	130-9585	1	Jackshaft

● Not illustrated

■ Not serviced separately

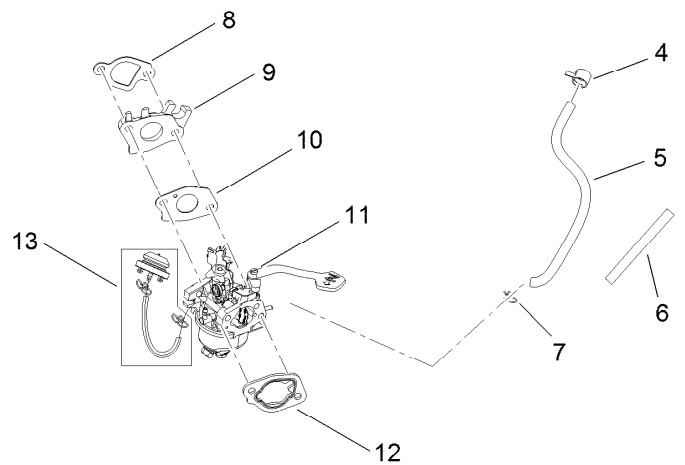
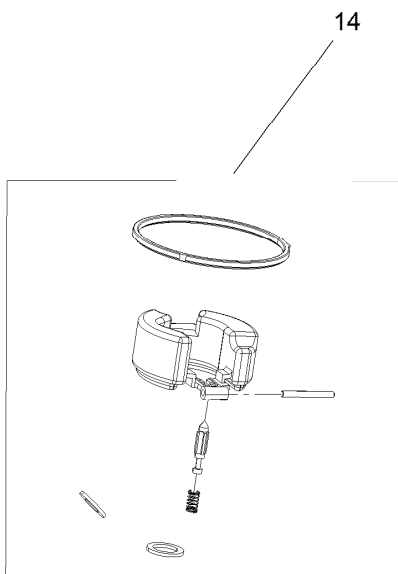
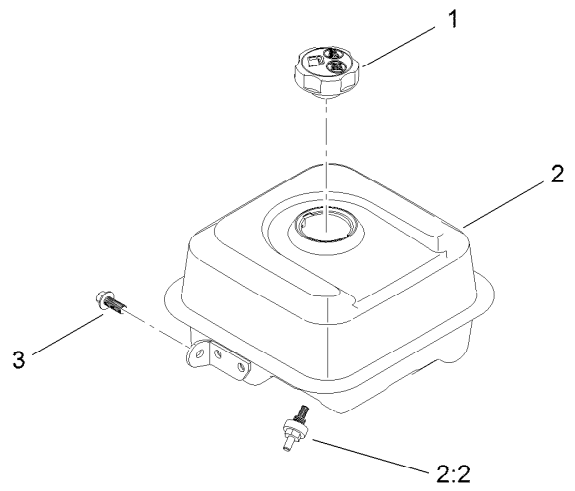
Engine Assembly



Engine Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-9174	1	Engine-G250Fds-2	4	3290-456	1	Washer-Belleville
2	131-5908	1	Pulley-Engine	5	32128-20	4	Nut-HF
3	131-5919	1	Screw-HH, Patch				

Fuel System and Carburetor Assembly

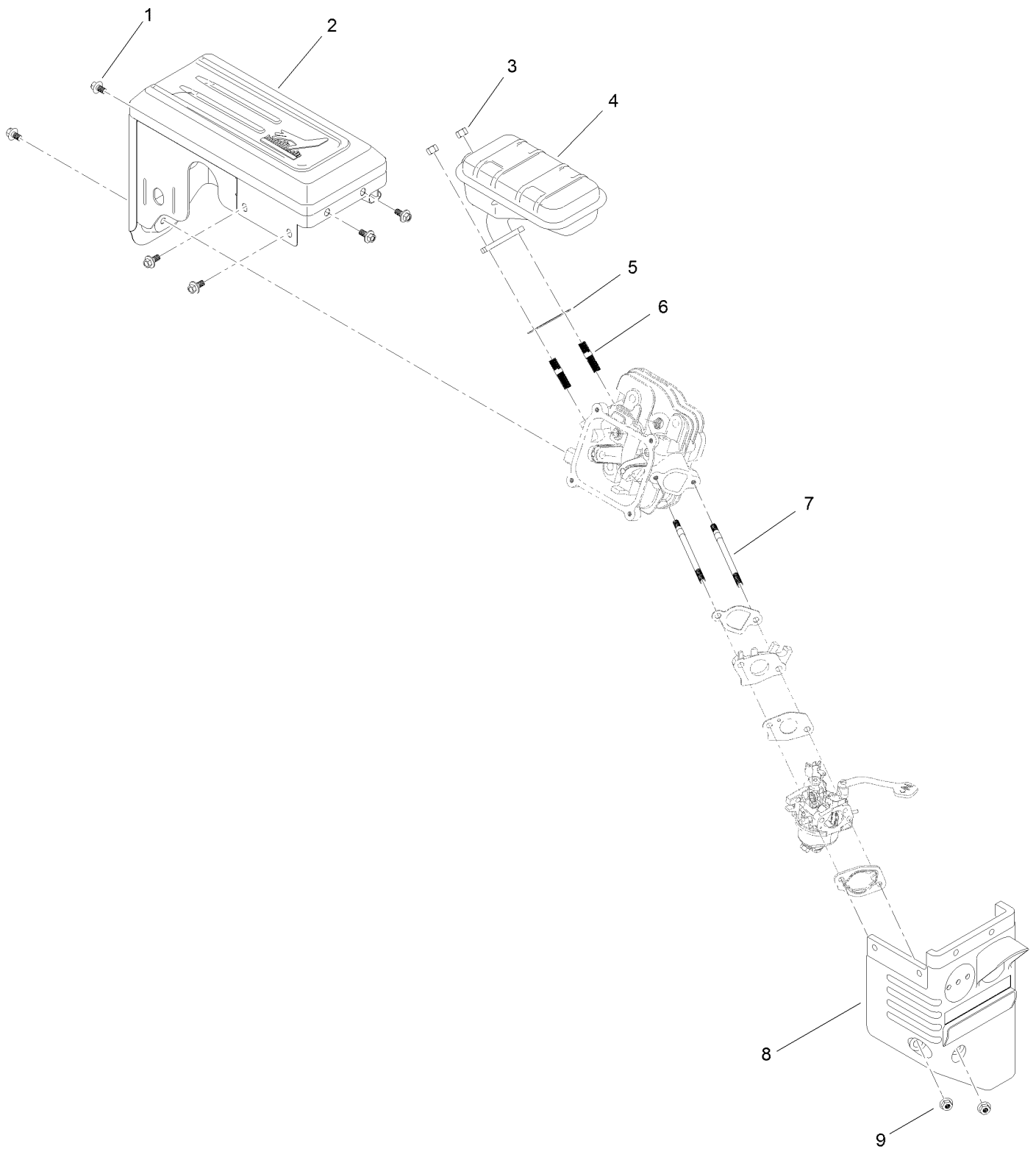


Fuel System and Carburetor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-9365	1	Cap-Fuel (Phase 3)	8	133-1531	1	Gasket-Carburetor
2	133-1553	1	Fuel Tank And Filter ASM	9	133-1532	1	Insulator-Carburetor
2:2	127-9065	1	Filter-Fuel	10	133-1533	1	Gasket-Carburetor
3	121-0294	1	Screw-HHF	11	133-1534	1	Carburetor ASM
4	127-9120	1	Clamp-Hose	12	121-0080	1	Gasket-Carburetor
5	133-1537	1	Hose-Fuel	13	127-9079	1	Primer Kit
6	133-1538	1	Sleeve-Abrasion	14	127-9395	1	Internal Carb Service Kit
7	121-0087	1	Clamp-Hose	99	133-9937	1	High Altitude Kit ●

● Not illustrated

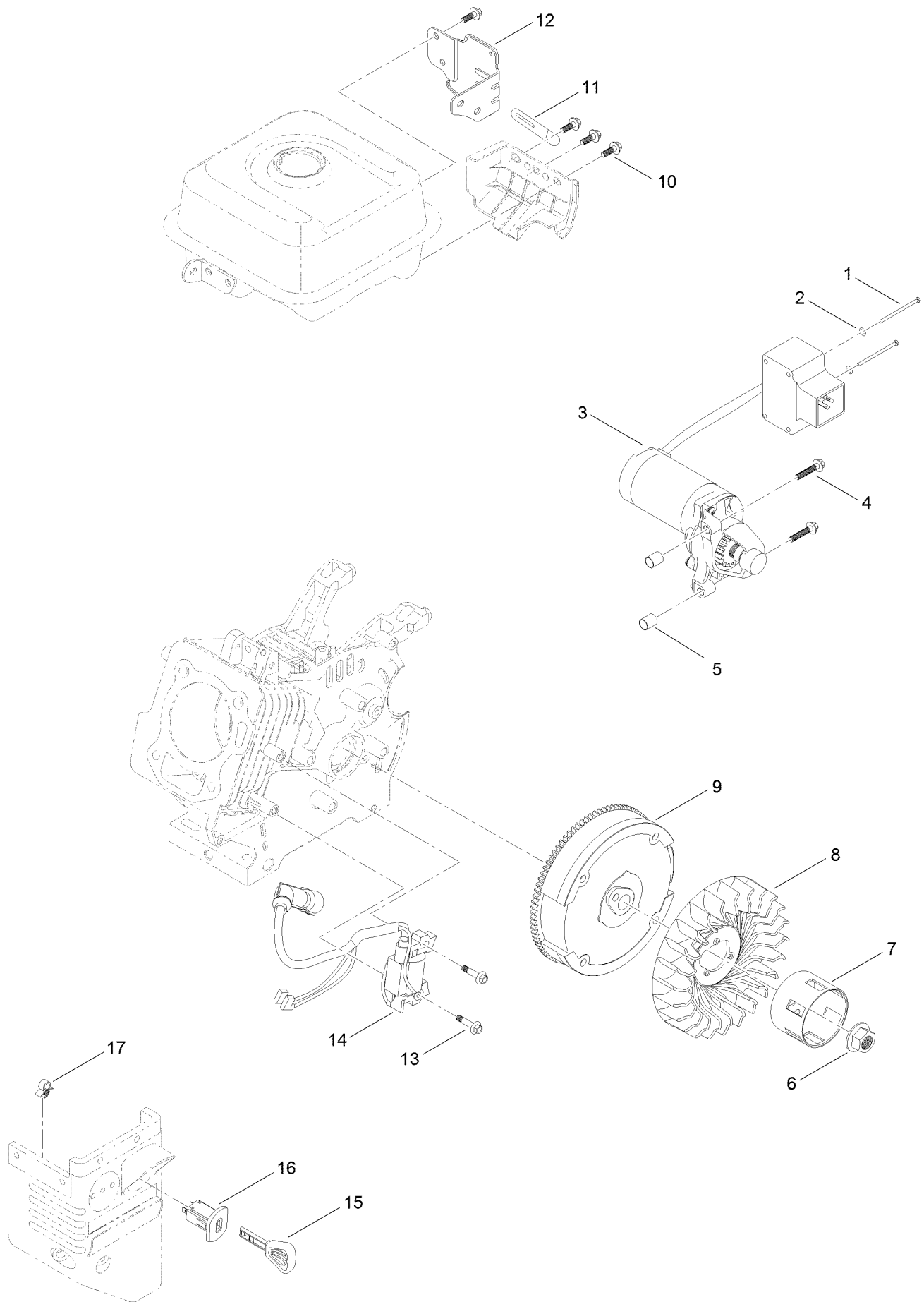
Intake and Exhaust Assembly



Intake and Exhaust Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	121-0294	6	Screw-HHF	6	121-0464	2	Stud-Exhaust
2	133-1541	1	Muffler Shroud ASM	7	121-4112	2	Stud-Intake
3	121-0199	2	Nut-HH	8	127-9112	1	Box-Heater
4	133-1540	1	Muffler ASM	9	121-0308	2	Nut-Flange
5	133-1539	1	Gasket-Exhaust				

Ignition and Electrical Assembly

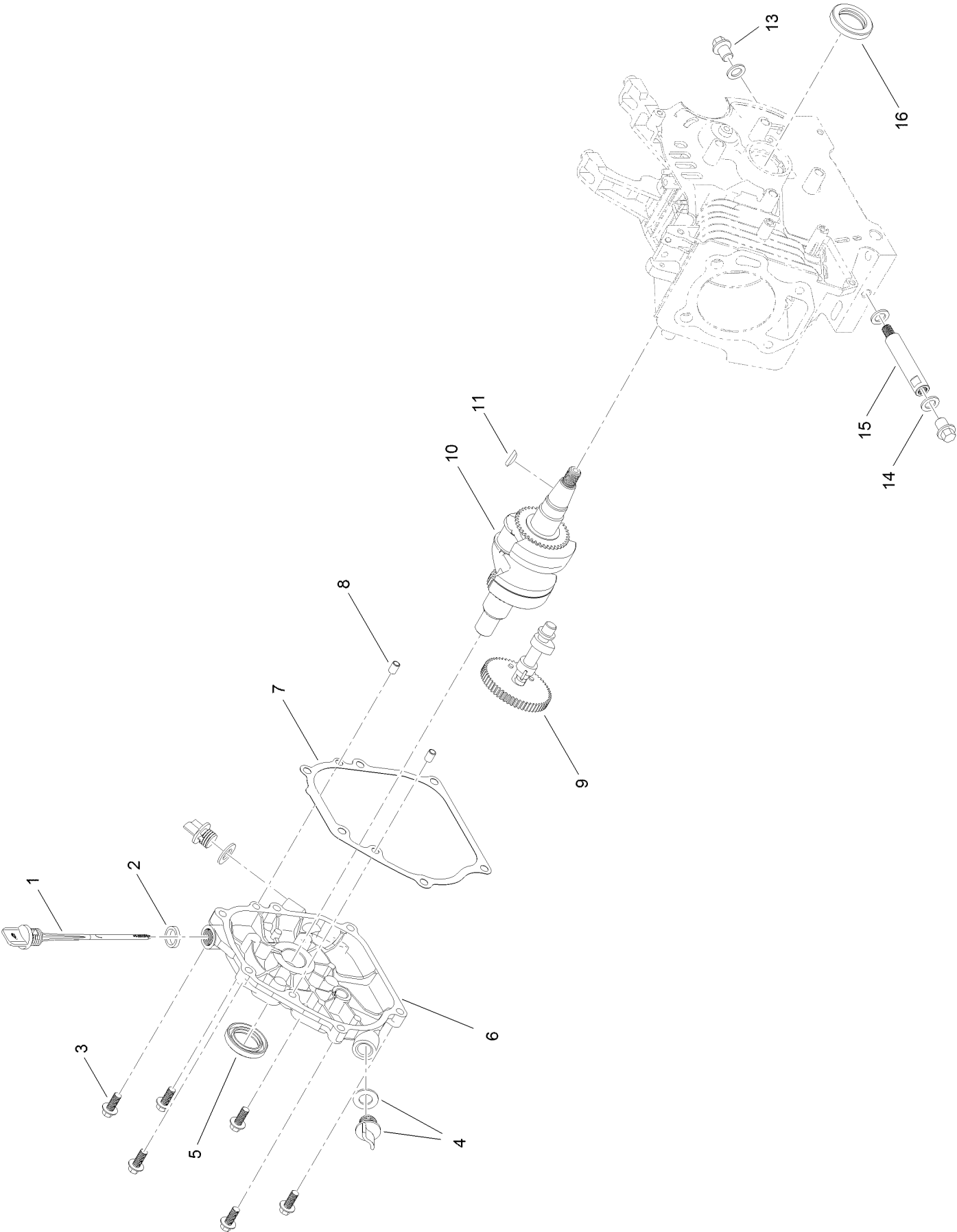


Ignition and Electrical Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	121-0306	2	Screw-Bhp
2	121-0312	2	Washer-Plain
3	133-1547	1	Motor-Starter
4	133-1546	2	Screw-Flange
5	121-0055	2	Pin-Dowel
6	121-0047	1	Nut-Flange
7	133-1527	1	Cup-Starter
8	133-1526	1	Fan-Cooling
9	133-1525	1	Flywheel And Ring Gear ASM

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	127-9123	4	Screw-HHF
11	121-0017	1	Clip-Harness, Wire
12	133-1554	1	Bracket-Switchbox, Starter
13	121-0097	2	Screw-HHF
14	127-9400	1	Ignition Coil ASM
15	117-7728	1	Key
16	121-0283	1	Switch-Key
17	121-0326	1	Clip

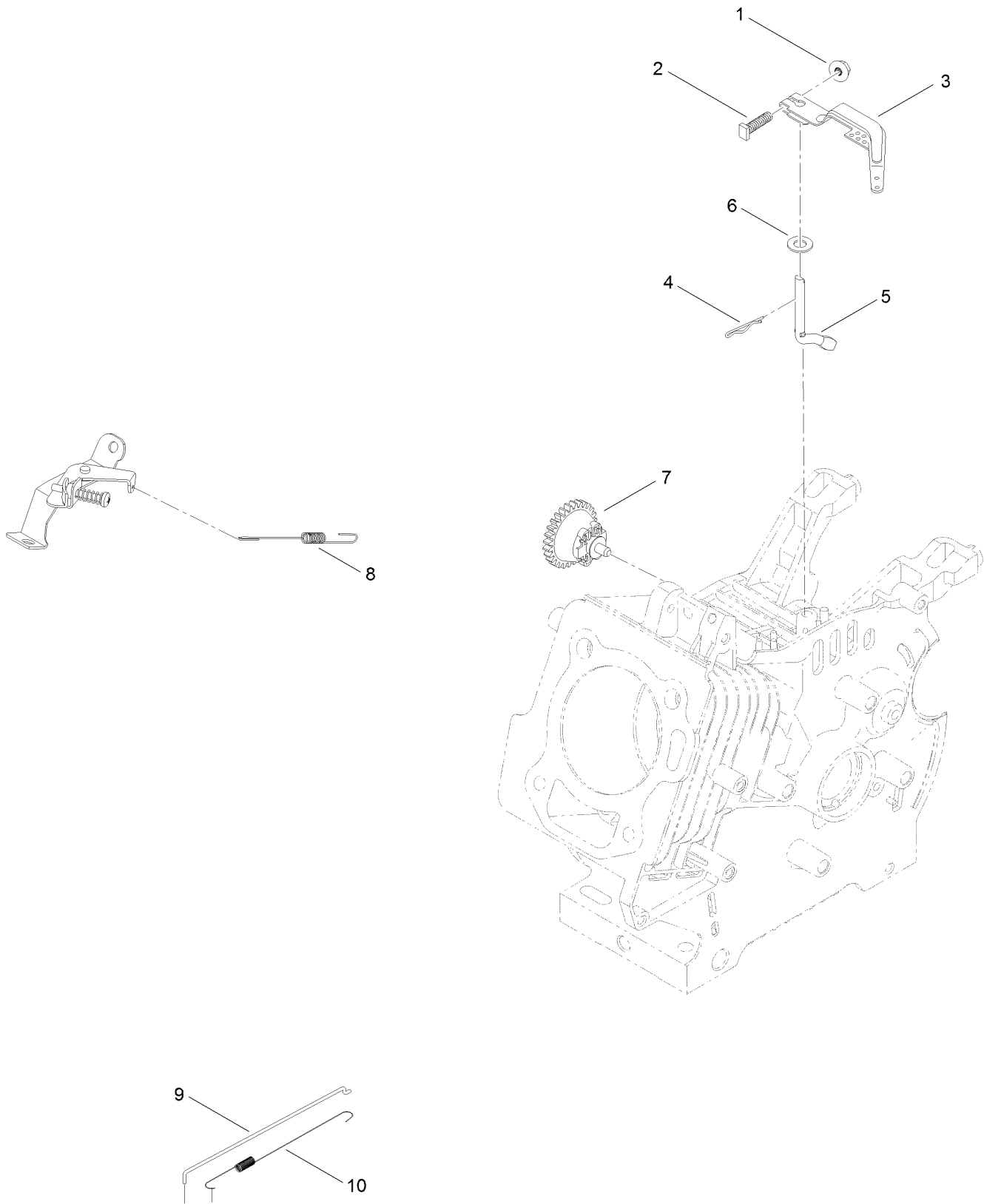
Crankcase Assembly



Crankcase Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-9409	1	Dipstick-Oil	9	127-9494	1	Camshaft ASM
2	127-9492	1	Gasket-Dipstick, Rubber	10	133-1517	1	Crankshaft
3	121-4114	6	Screw-HHF	11	120-4320	1	Key-Woodruff
4	127-9099	2	Oil Cap ASM	13	121-0030	2	Screw-HHF
5	133-1516	1	Seal-Oil	14	121-0048	3	Washer-Plain
6	133-1518	1	Cover-Crankcase	15	127-9104	1	Tube-Drain, Oil
7	127-9493	1	Gasket-Cover, Crankcase	16	121-0208	1	Seal-Oil
8	121-0054	2	Pin-Dowel				

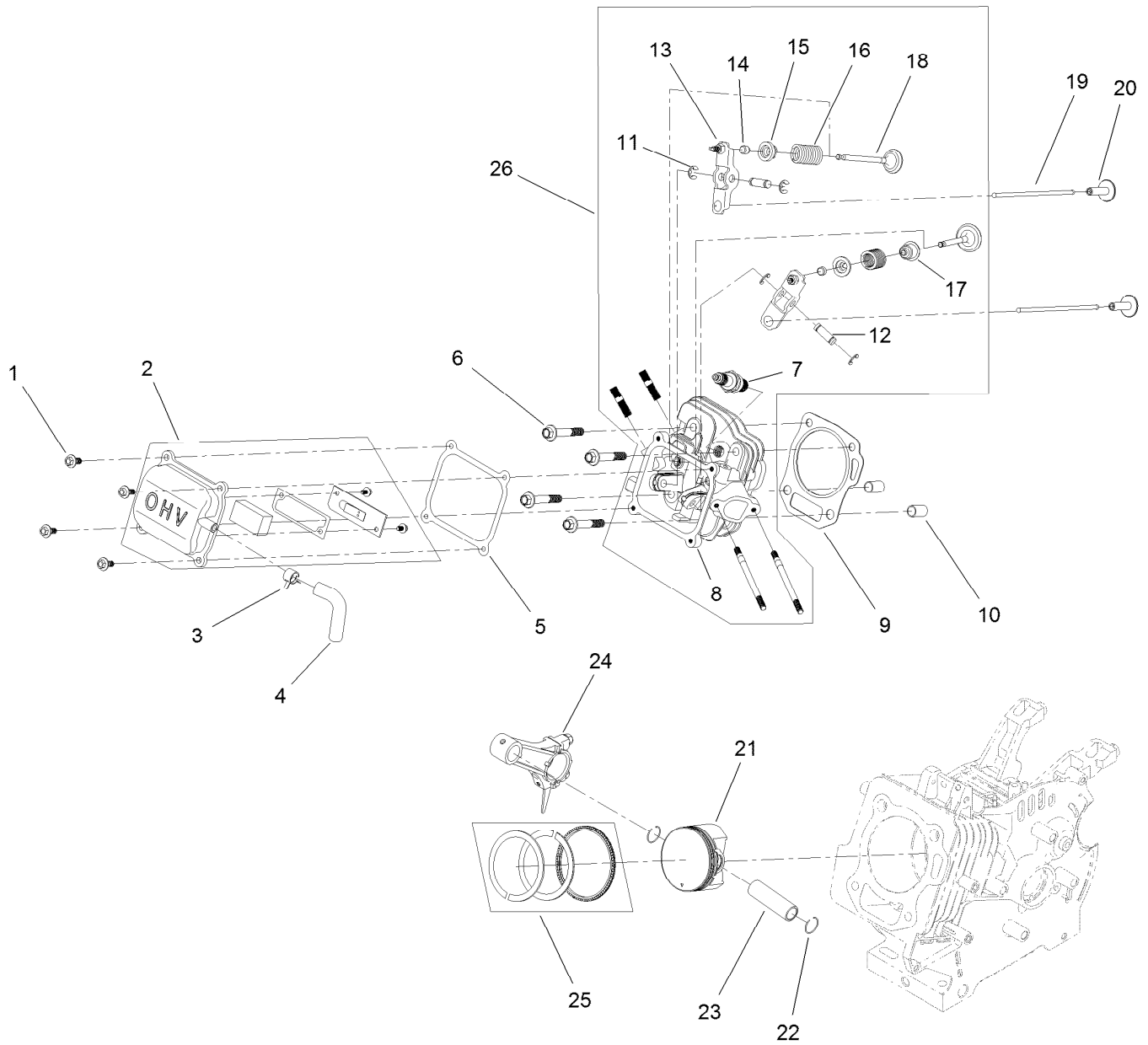
Governor Assembly



Governor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-4236	1	Nut-Flange	6	121-0498	1	Washer-Plain
2	120-4238	1	Bolt-Arm, Governor	7	127-9101	1	Governor Gear ASM
3	121-0155	1	Arm-Governor	8	127-9398	1	Spring-Governor
4	120-4256	1	Pin-Hair	9	127-9488	1	Rod-Governor
5	133-1523	1	Shaft-Governor	10	133-1536	1	Spring-Return, Throttle

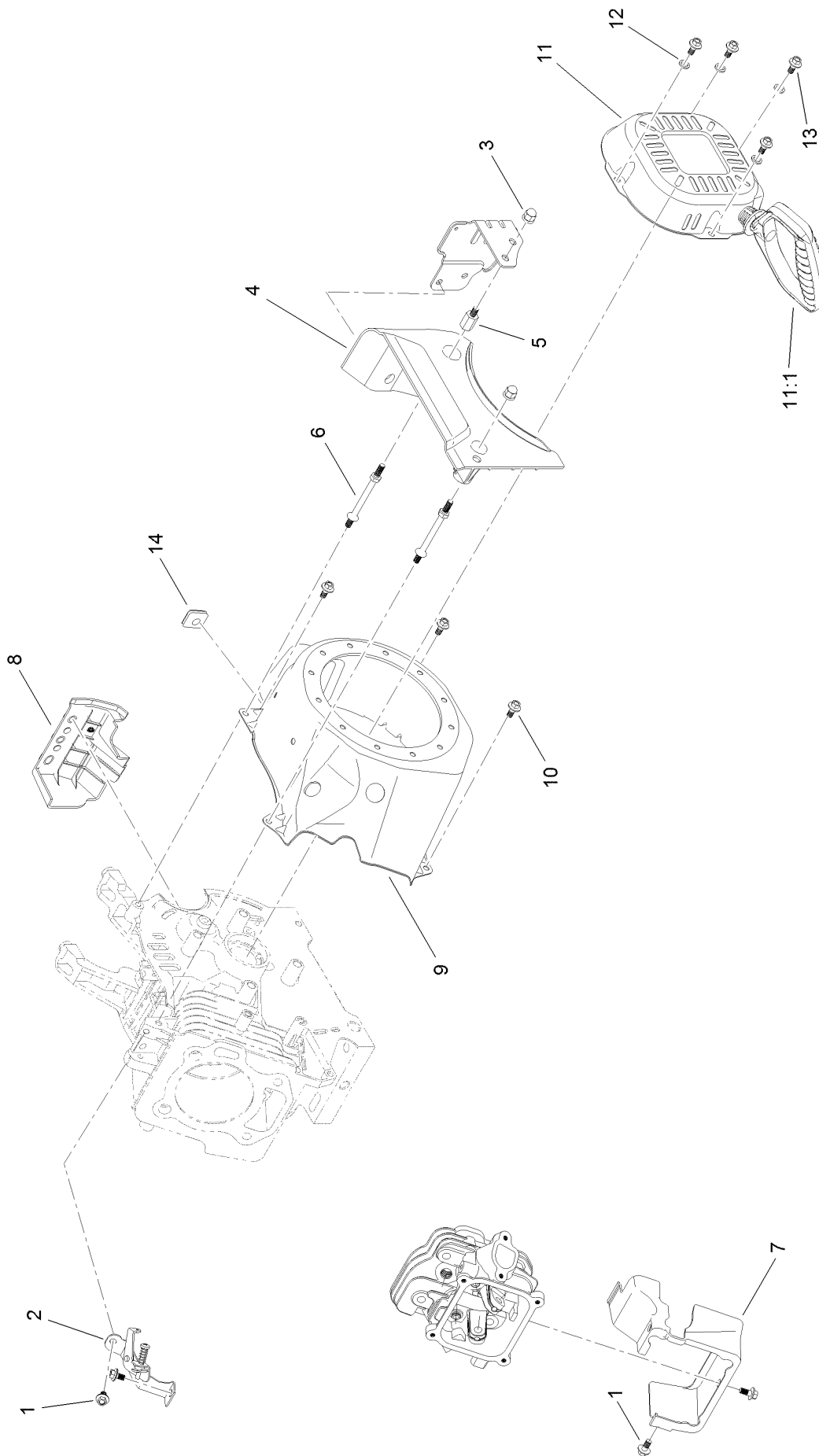
Piston and Head Assembly



Piston and Head Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-4454	4	Screw-HHF	14	121-4116	2	Rotator-Valve
2	133-1500	1	Valve Cover ASM	15	121-4117	2	Retainer-Spring, Valve
3	133-1558	1	Clamp-Hose	16	127-9014	2	Spring-Valve
4	133-1502	1	Tube-Breather	17	121-4202	1	Seal-Stem, Valve
5	133-1507	1	Gasket-Cover, Valve	18	133-1515	1	Set-Valve
6	133-1508	4	Screw-Flange	19	133-1514	2	Rod-Push
7	81-3250	1	Spark Plug	20	127-9015	2	Tappet-Valve
8	133-1509	1	Head-Cylinder	21	133-1522	1	Piston
9	133-1510	1	Gasket-Head	22	121-0313	2	Clip-Pin, Piston
10	120-4200	2	Pin-Dowel	23	121-4128	1	Pin-Piston
11	133-1511	4	E-Clip	24	121-4123	1	Connecting Rod ASM
12	133-1512	2	Pin-Arm, Rocker	25	133-1521	1	Set-Ring, Piston
13	133-1513	2	Rocker Arm ASM	26	133-9867	1	Complete Head ASM

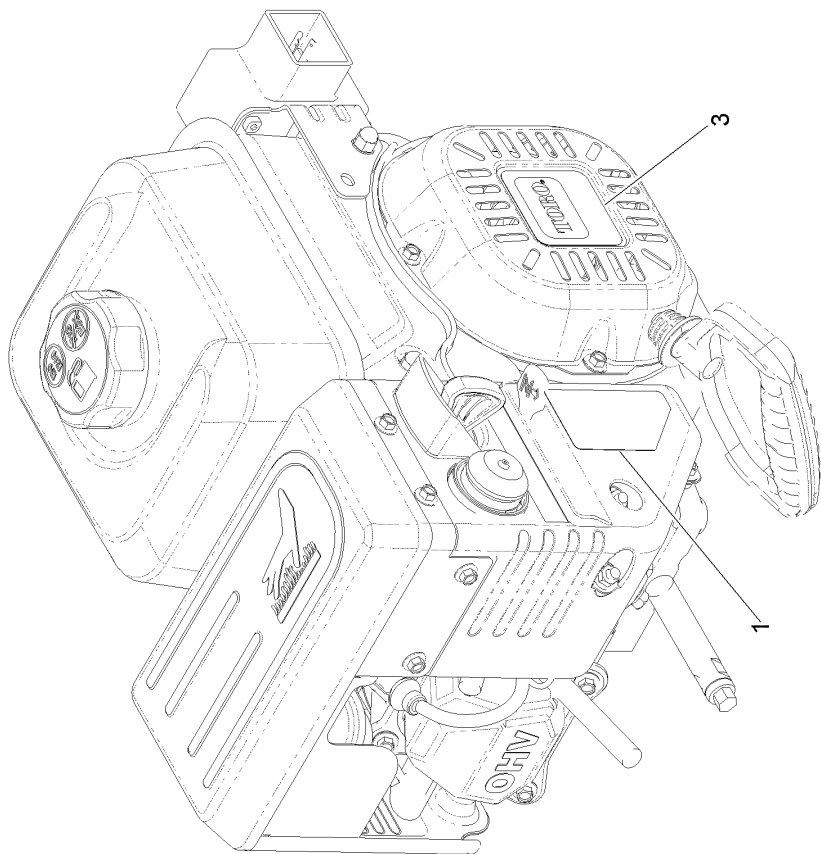
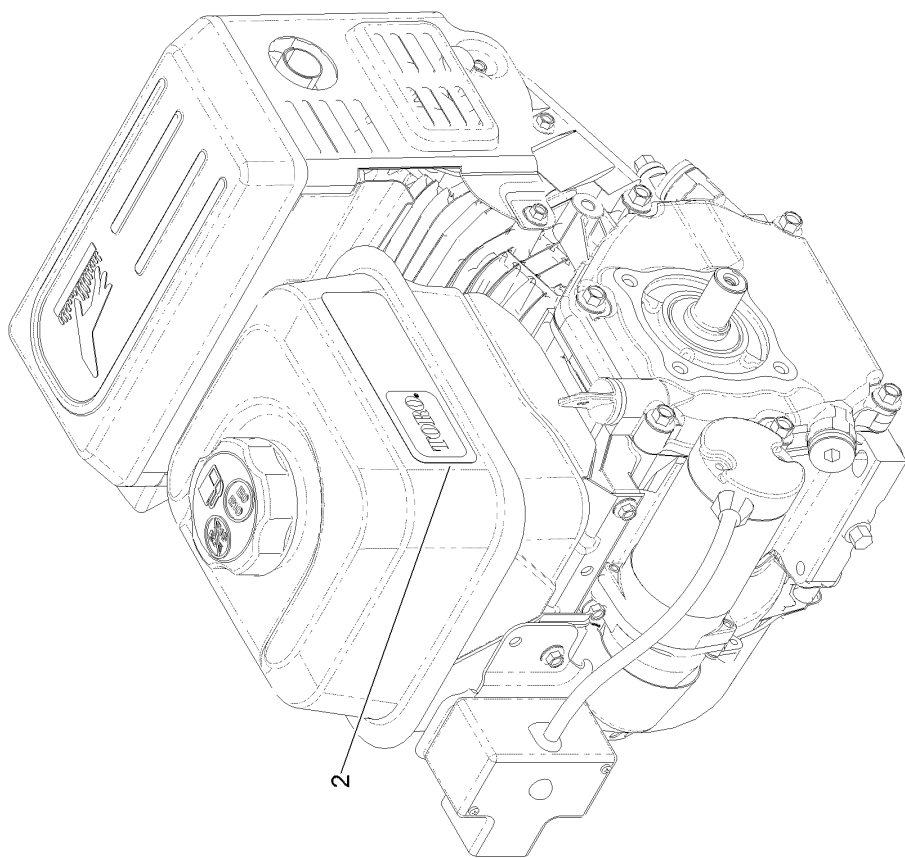
Blower Housing and Shrouds Assembly



Blower Housing and Shrouds Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	121-0116	4	Screw-HHF	9	133-1528	1	Shroud-Flywheel
2	133-1520	1	Throttle Control ASM	10	121-0294	3	Screw-HHF
3	127-9383	2	Nut-Acorn	11	133-1529	1	Recoil ASM
4	133-1544	1	Panel-Front	11:1	121-0287	1	Handle-Recoil
5	133-1545	1	Spacer-Stud, Threaded	12	127-9380	4	Washer-Plain
6	127-9110	2	Stud-Mount	13	127-9031	4	Screw-HHF
7	133-1530	1	Shroud-Head	14	133-1548	1	Grommet-Rubber
8	133-1543	1	Panel-Side, Engine				

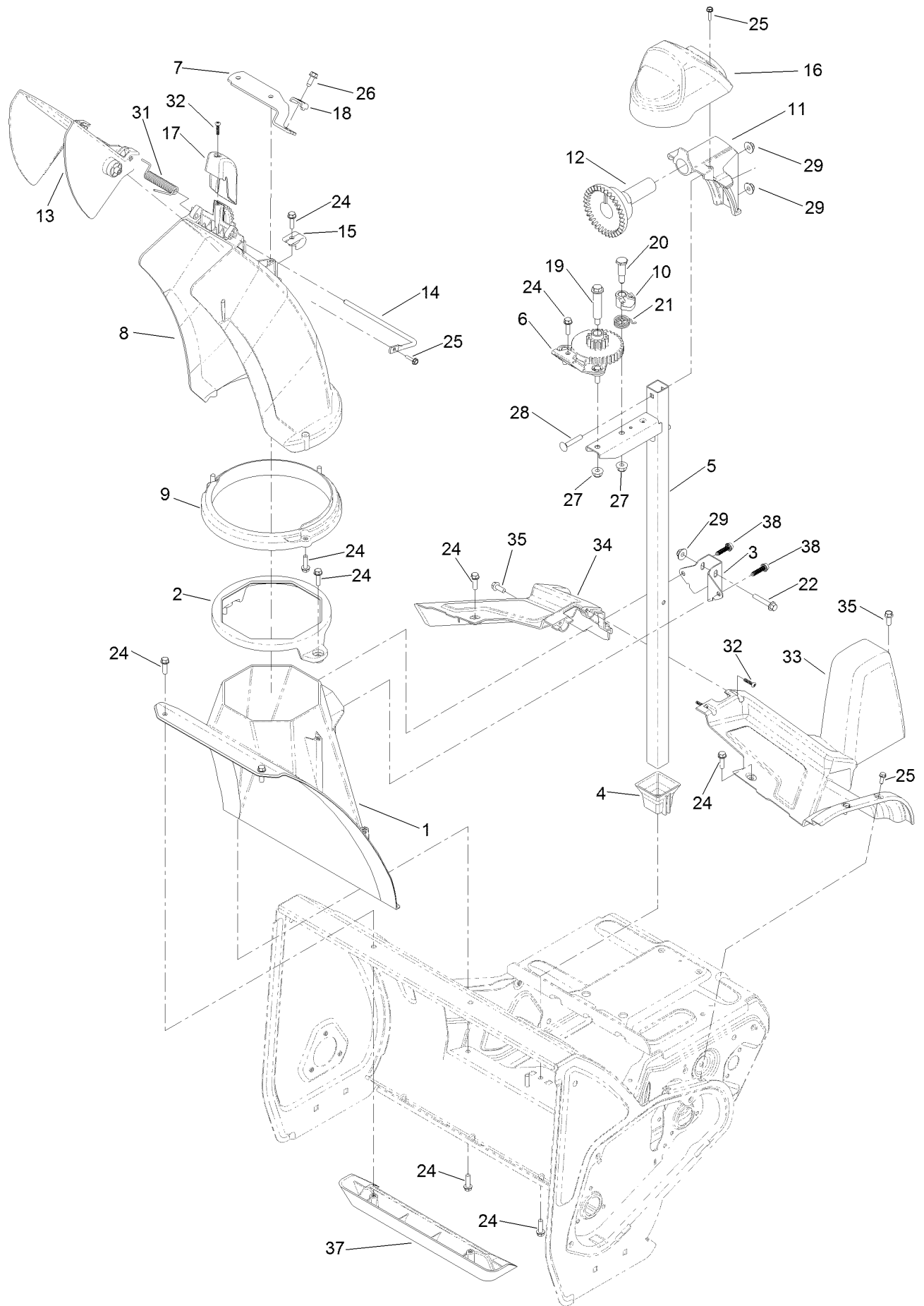
Engine Decal Assembly



Engine Decal Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-9805	1	Decal-Control, Engine
2	131-5911	1	Decal-Engine Series, G250
3	131-5912	1	Decal-Recoil, G250

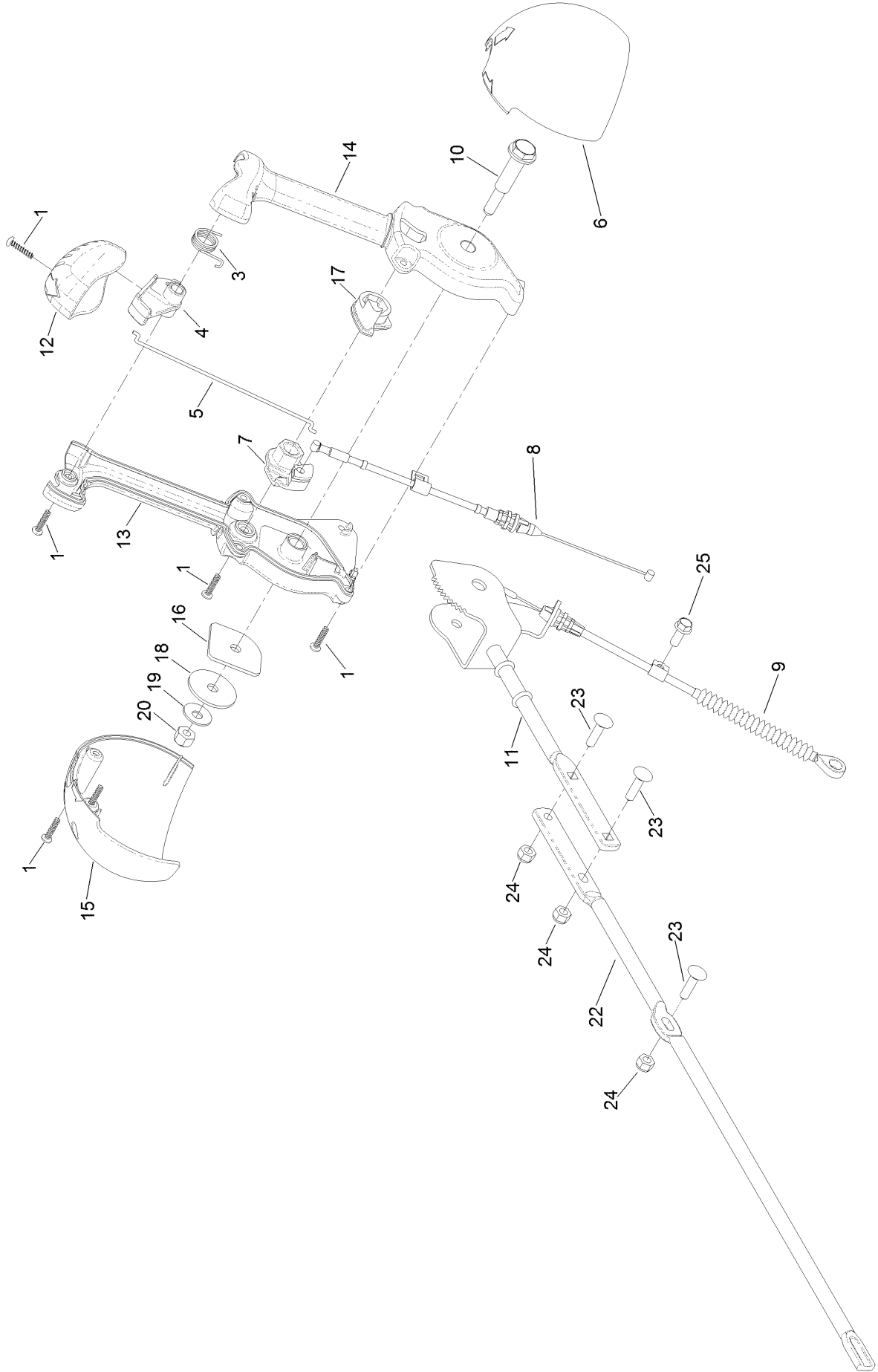
Chute Assembly



Chute Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	130-9587	1	Chute-Lower	19	100-9880	1	Bolt-Shoulder
2	130-9588	1	Guide-Chute	20	63-2650	1	Screw-Shoulder
3	130-9589-03	1	Bracket-Post, Support (Chute)	21	130-9616	1	Spring-Torsion, Latch (Chute)
4	130-9590	1	Retainer- Post, Chute	22	131-5927	1	Screw-HHF
5	130-9603-03	1	Post-Chute	24	46-8091	17	Screw-HWH
6	130-9605	1	Gear-Chute	25	98-1375	5	Screw-HWH
7	130-9606	1	Bracket-Cable	26	32144-10	1	Screw-HWH
8	130-9595	1	Chute-Snow, ASM	27	104-8300	2	Nut-HF, NI
9	130-9596	1	Ring-Chute	28	108-0988	2	Screw-CARR
10	130-9607	1	Latch-Chute	29	114-3778	3	Nut-HF
11	130-9608	1	Mount-Gear, Chute	31	120-9298	1	Spring-Torsion
12	106-4471	1	Gear-Face	32	94-4496	3	Screw-PPH
13	131-5915	1	Deflector-Chute	33	131-1754	1	Shroud-Upper, LH
14	121-6826	1	Rod-Deflector	34	131-1765	1	Shroud-Lower, RH
15	130-9609	1	Guide-Cable	35	32144-85	2	Screw-HWH
16	130-9611	1	Cover-Gear, Chute	37	131-1768	1	Kicker-Housing
17	120-9299	1	Chute-Cover	38	130-6658	2	Screw-Flange, Plastic
18	106-7297	1	Clamp-Cable				

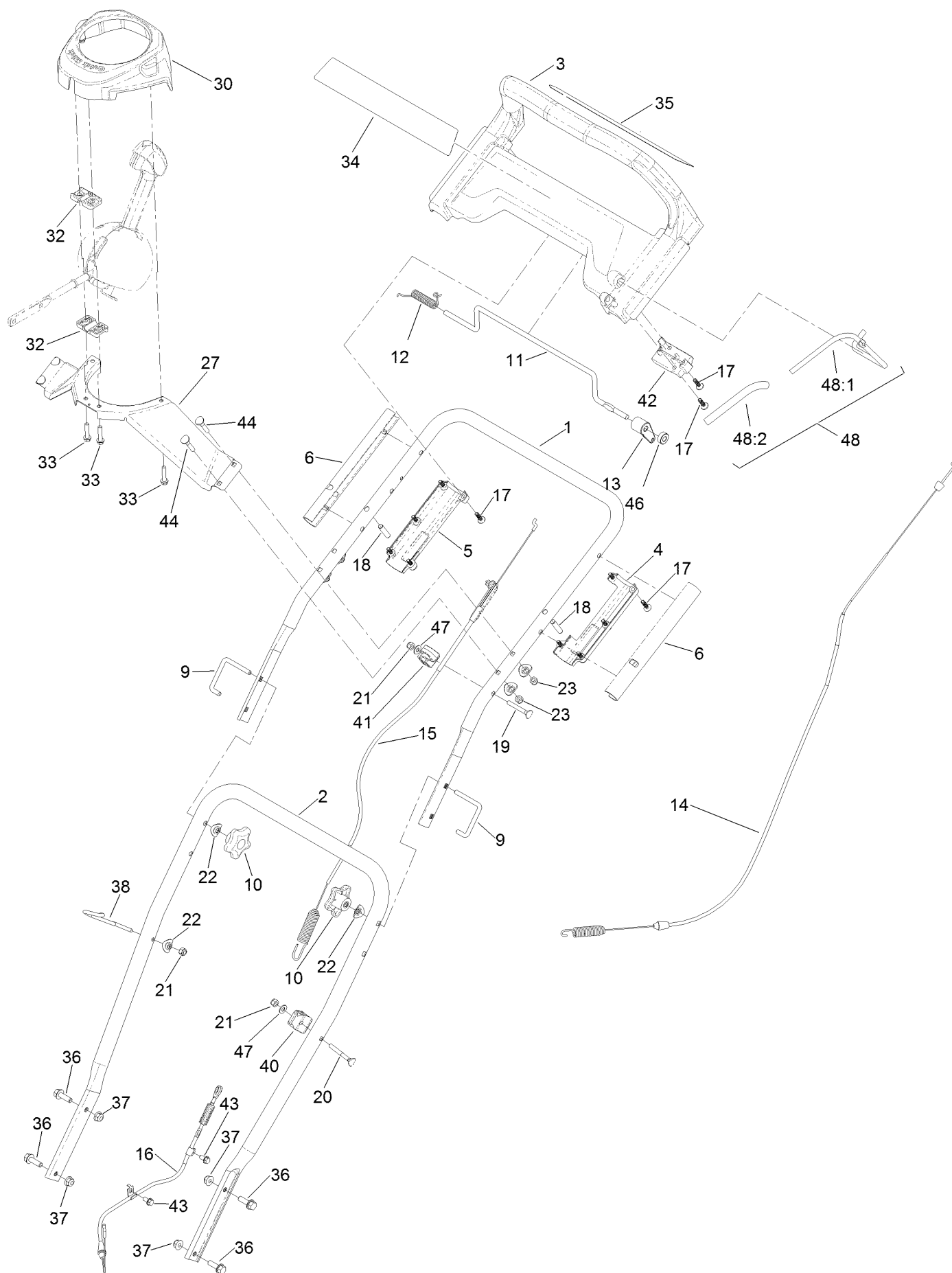
Chute Control Lever Assembly



Chute Control Lever Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	94-4496	6	Screw-PPH	14	106-7282	1	Lever-Control, Chute (LH)
3	105-9982	1	Spring-Torsion	15	106-7292	1	Cover-Lever, Chute (RH)
4	105-9984	1	Trigger-Latch	16	106-7295	1	Plate-Friction
5	105-9985	1	Link-Latch	17	106-7310	1	Pawl-Latch
6	105-9986	1	Cover-Lever, Chute (LH)	18	107-3002	1	Washer-Nylon
7	105-9988	1	Lever-Cable, Deflector	19	3290-456	1	Washer-Belleville
8	130-9614	1	Cable-Release, Chute	20	3296-29	1	Nut-Lock, NI
9	130-9613	1	Cable-Control, Deflector	22	120-2348	1	Rod-Chute
10	105-9995	1	Screw-Shoulder	23	3229-30	3	Screw-CARR
11	106-4479	1	Rod-Control, Chute	24	3296-73	3	Nut-Lock, NI
12	106-7280	1	Cap-Lever	25	32144-85	1	Screw-HWH
13	106-7281	1	Lever-Control, Chute (RH)				

Handle and Control Assembly



Handle and Control Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-2333-03	1	Handle-Upper	23	3296-73	4	Nut-Lock, NI
2	120-2334-03	1	Handle-Lower	27	120-2342-03	1	Bracket-Chute, Control
3	131-5921	1	Handle	30	131-5906	1	Cover Top
4	120-2336	1	Handle-Bottom, LH	32	105-9987	2	Support-Rod
5	131-1770	1	Handle-Bottom, RH	33	46-8092	4	Screw-Plastite
6	120-2343	2	Sleeve Handle	34	131-1788	1	Decal-Display
9	108-4887	2	Lock-Handle	35	131-1785	1	Decal-Control, Panel
10	106-4161	2	Knob-Handle	36	3234-29	4	Screw-HHF
11	99-1588	1	Bar-Control, Traction	37	104-8300	4	Nut-HF, NI
12	121-9118	1	Spring-Torsion	38	131-5913	1	Guide-Rope
13	131-5917	1	Lever-Traction	40	92-7729	1	Anchor-Cable, Upper
14	131-5924	1	Cable-Transmission	41	131-5903	1	Cable-Guide
15	120-2338	1	Cable-Rotor, Upper	42	131-5901	1	Bail-Mount
16	131-1753	1	Cable-Rotor, Lower	43	32144-4	2	Screw-HWH
17	120-2349	12	Screw	44	117-7737	4	Screw-Handle
18	131-1771	2	Pin-Dowel	46	130-2343	1	Spacer
19	95-4453	1	Screw	47	3256-1	2	Washer-Flat
20	92-2269	1	Screw-Handle	48	131-5943	1	Bail ASM
21	3296-73	3	Nut-Lock, NI	48:1	120-2345-03	1	Bail-Auger
22	107-3844	7	Washer	48:2	131-5902	1	Cover-Bail

Attachments and Accessories

For 36003 SnowMaster 824 QXE Snowthrower

Product Name	Model/Part
Engine Maintenance Kit.....	138-0700
Case of 24 20-Ounce Bottles 5W30 Winter Oil	38908
Toro Snow Oil 0W30 Synthetic 20-Ounce Bottle	38913
Toro 2-Stage Cover.....	490-7466

Notes:

Notes:

Notes:



Count on it.