



Insight™ 1000 Snowthrower

Model No. 33006 - 270000001 and up.

Parts Catalog

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 illustrations and in part 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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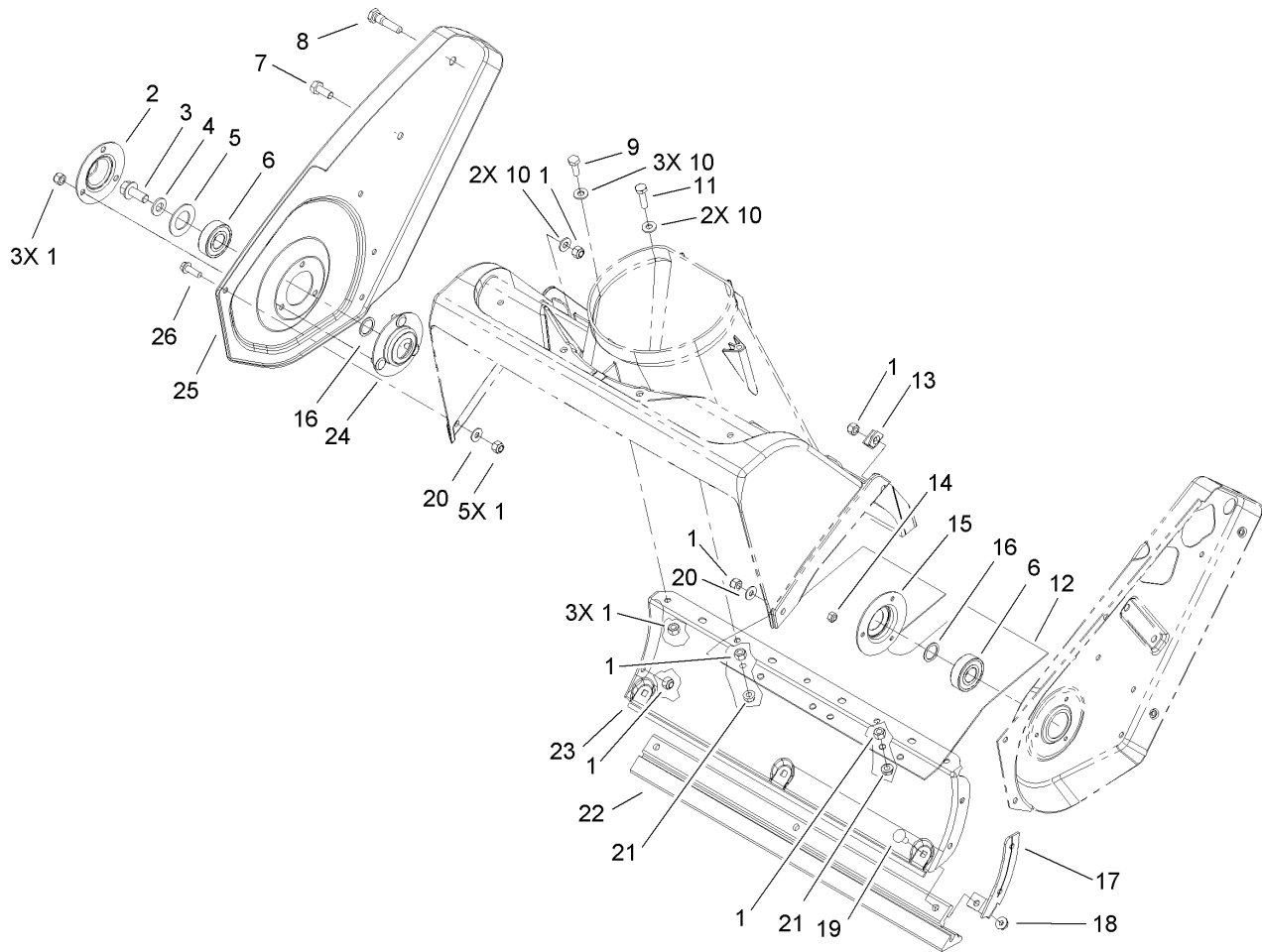
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. as required	HYD. hydraulic
ASM. assembly	LH. left hand
BBC. blade brake clutch	NI. nylon insert
CARR. carriage	NPTF. national pipe thread fine
DEG. degrees	PFH. phillips flat head
EXT. external	PPH. phillips pan head
FH. flat head	PPHTF. phillips pan head thread forming
GA. gauge	PRH. phillips round head
HD. heavy-duty	PTH. phillips truss head
HF. hex flange	PTO. power-take-off
HH. hex head	RH. right hand
HHF. hex head flange	ROPS. roll-over protection system
HHFTF. hex head flange thread forming	SFH. slotted fillister head
HJ. hex jam	SHH. slotted hex head
HLH. hex lag head	SHWH. slotted hex washer head
HOC. height-of-cut	SPH. slotted pan head
HSBH. hex socket button head	SQH. square head
HSFH. hex socket flat head	SRH. slotted round head
HSH. hex socket head	STD. standard
HWH. hex washer head	TAP. self tapping
HWHTF. hex washer head thread forming	TTH. torx truss head

Footnotes

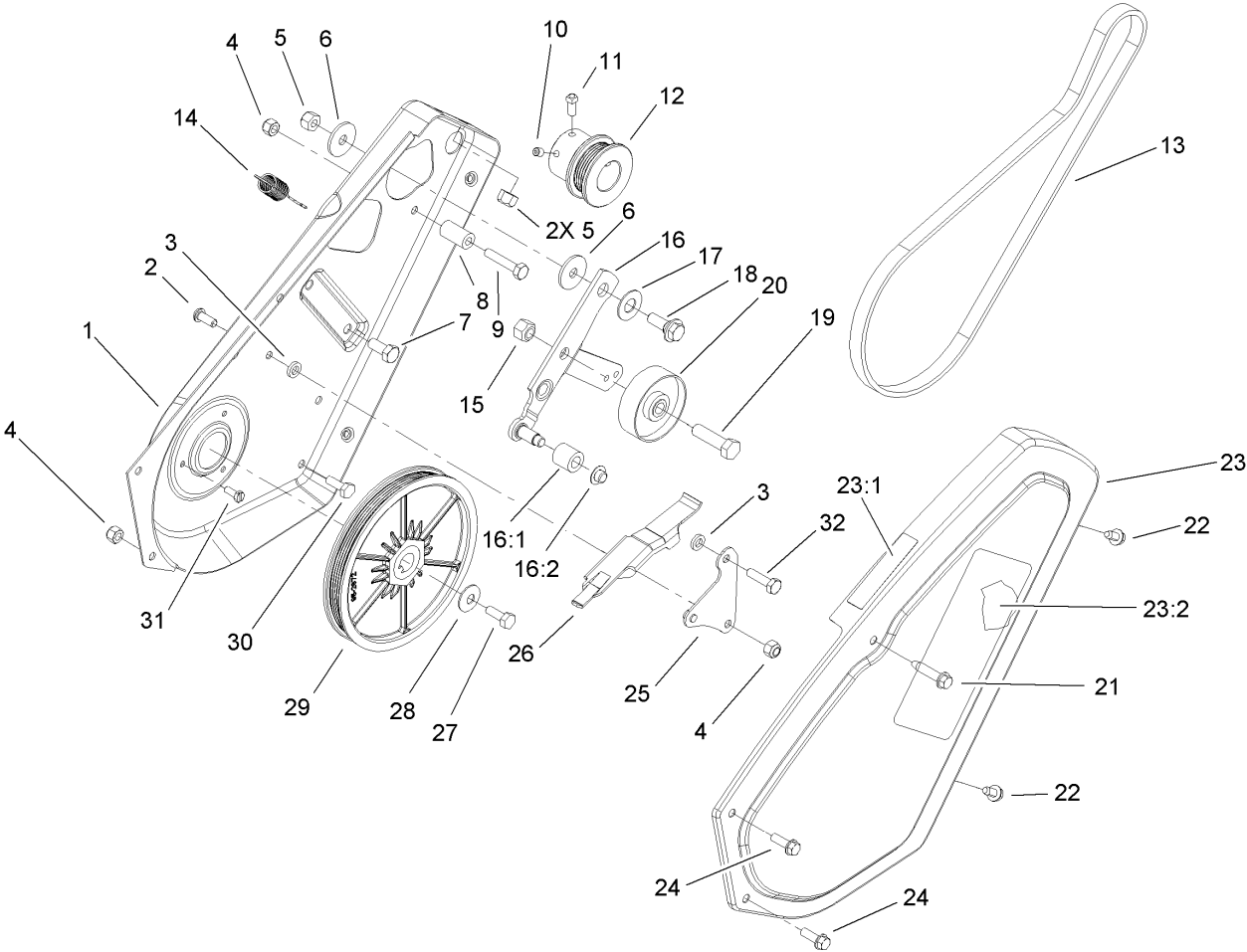
- ❶ Not serviced separately
- ❷ Obtain from your local Briggs & Stratton dealer



Rotor Housing and Scraper Assembly

Ref	Part No.	Qty.	Description
1	3296-42	17	Nut-Lock, NI
2	52-7290-03	1	Retainer-Bearing
3	3234-25	1	Screw-HHF
4	3256-24	1	Washer-Flat
5	52-7270	1	Washer-Rubber
6	100-1048	2	Bearing-Ball
7	322-43	1	Screw-HH
8	38-8211	1	Pin-Rotor
9	321-4	3	Screw-HH
10	3256-22	7	Washer-Flat
11	321-6	2	Screw-HH
12	55-9512	1	Cover-Bottom
13	55-9430	1	Bracket-Housing
14	3296-2	3	Nut-Lock
15	38-8620	1	Flange-Bearing
16	52-7280	2	Washer-Thrust
17	56-2610	1	Bracket-Housing, Lower
18	32149-2	3	Nut-Keps
19	3229-11	3	Screw-CARR
20	3256-1	2	Washer-Flat
21	32128-10	2	Nut-Lock, HHF
22	55-8760	1	Scraper
23	105-1967-03	1	Housing-Lower
24	52-9110	1	Flange-Bearing

Ref	Part No.	Qty.	Description
25	105-1952-03	1	Sideplate-Right
26	32105-15	5	Screw



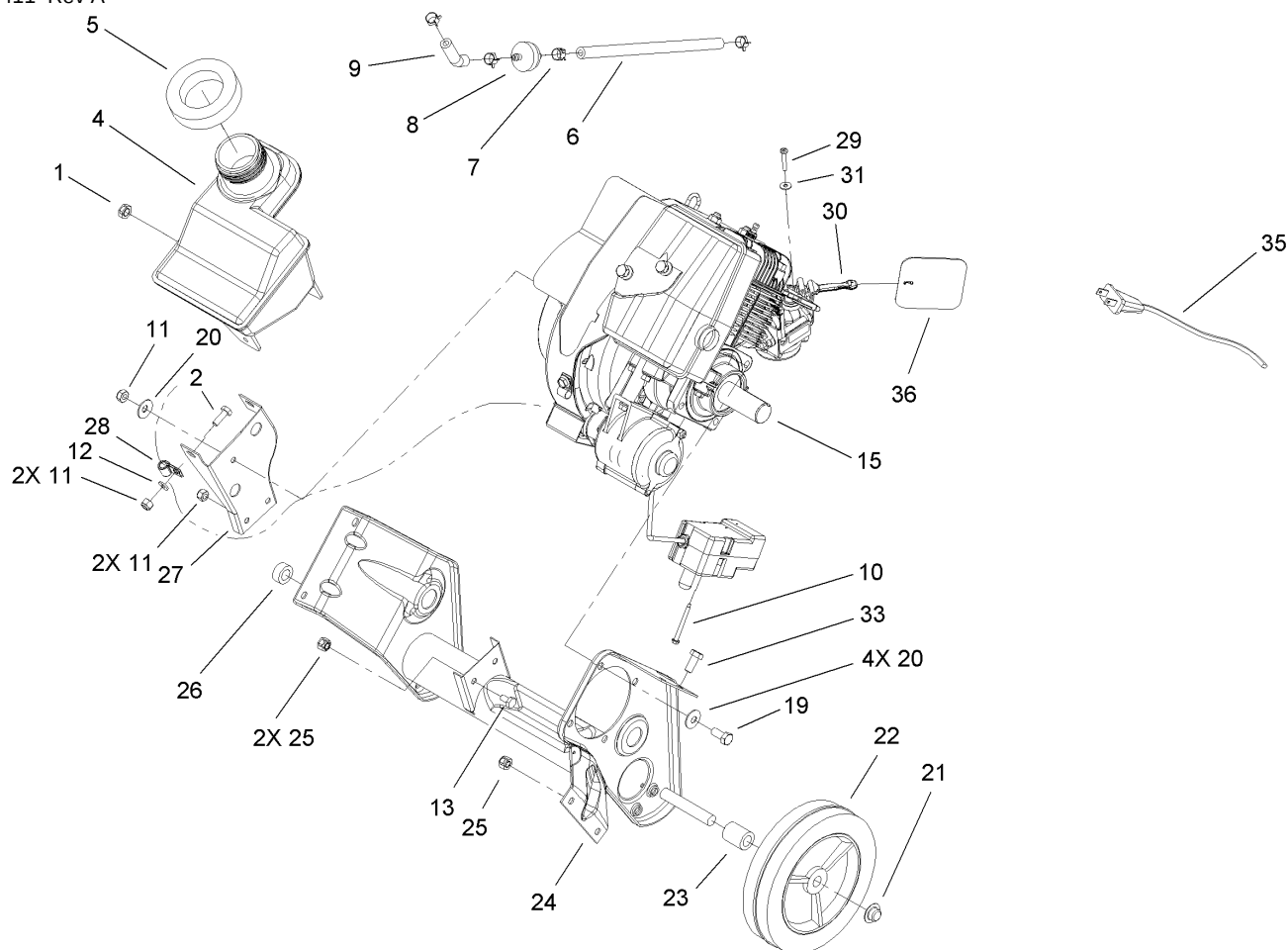
Impeller Drive Assembly

Ref	Part No.	Qty.	Description
1	55-8851-03	1	Plate-Side, LH
2	3274-31	1	Screw-HSBH
3	55-9620	2	Spacer-Plate, Pivot
4	3296-42	3	Nut-Lock, NI
5	3296-29	3	Nut-Lock, NI
6	5-4460	2	Washer-Pivot
7	322-3	2	Screw-HH
8	55-9530	1	Sleeve-Guide, Belt
9	321-13	1	Screw-HH
10	3245-32	1	Screw-HSH
11	3241-7	1	Screw-SQH
12	95-2673	1	Pulley-Engine
13	95-6151	1	Belt-Drive
14	55-9280	1	Spring-Extension
15	32152-2	1	Nut-Lock, Cone
16	105-3542	1	Idler Arm ASM
16:1	55-9520	1	Roller-Brake
16:2	32112-11	1	Nut-Push
17	25-5641	1	Washer
18	27-0410	1	Screw-Shoulder
19	323-29	1	Screw-HH
20	55-9290	1	Pulley-Idler
21	32144-110	1	Screw-HWH
22	12-3270	2	Screw

Ref	Part No.	Qty.	Description
23	105-1997	1	Cover-Drive
23:1	104-2767	1	Decal-Warning
23:2	60-9480	1	Decal
24	32105-15	2	Screw
25	55-9570	1	Pivot Plate ASM
26	55-9550	1	Brake-Arm
27	321-30	1	Screw-HH
28	3290-456	1	Washer-Belleville
29	95-2672	1	Pulley Rotor ASM
30	321-4	2	Screw-HH
31	32105-8	3	Screw-SHH
32	321-6	1	Screw-HH

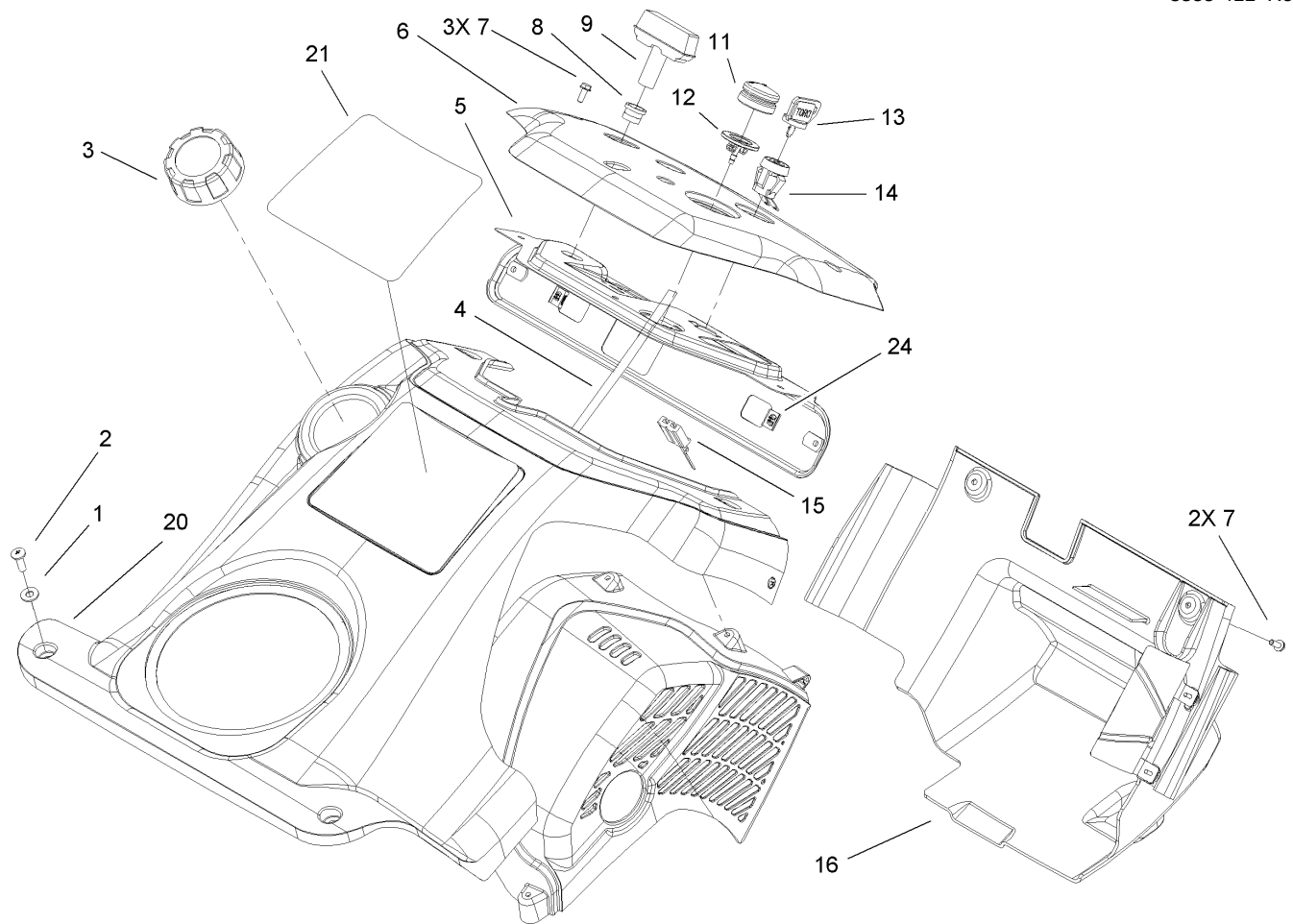


Ref	Part No.	Qty.	Description				
1	99-9313	2	Blade-Rotor				
2	55-9370	4	Spacer-Blade, Rotor				
3	100-5478-03	1	Rotor ASM				
4	3296-56	13	Nut-Lock, NI				
5	66-6600-03	2	Half-Rotor				
6	84-1971	8	Screw				
7	321-8	1	Screw-HH				
8	321-4	4	Screw-HH				



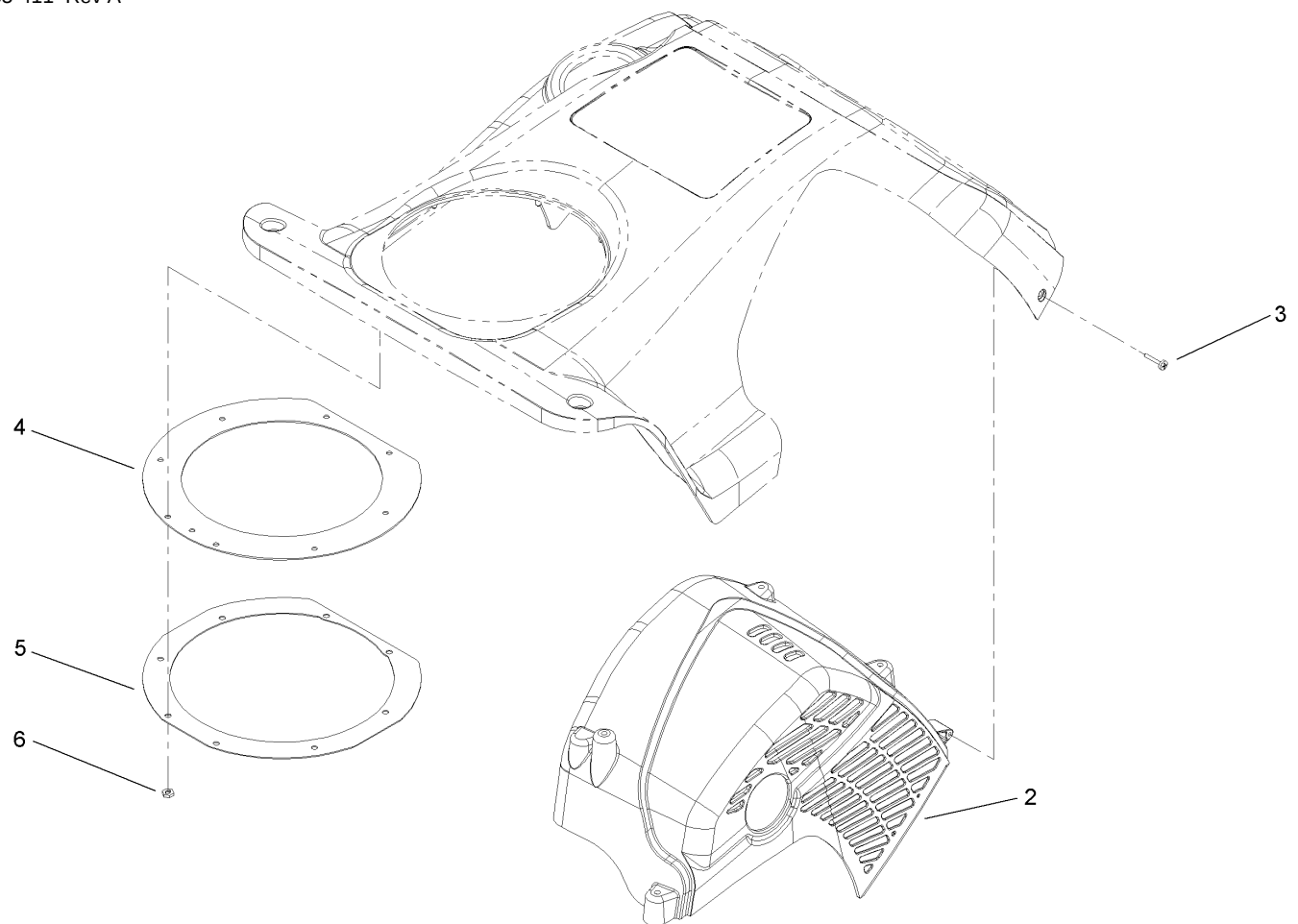
Engine, Gas Tank and Frame Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	32152-8	1	Nut-Lock, Cone	29	32144-97	1	Screw-PPH, Plastite
2	321-4	2	Screw-HH	30	104-0878	1	Lever-Choke
4	105-8952	1	Tank-Gas	31	3256-14	1	Washer-Flat
5	55-9310	1	Seal-Foam	33	322-43	2	Screw-HH
6	110-4894	1	Hose-Fuel	35	106-4741	1	Cord-Electric
7	2412-98	4	Clamp	36	110-3444	1	Shield-Choke Hole
8	56-6360	1	Filter-Fuel				
9	109-0304	1	Hose-Fuel				
10	32144-27	3	Screw-Plastite				
11	3296-42	5	Nut-Lock, NI				
12	3256-22	2	Washer-Flat				
13	321-2	2	Screw-HH				
15		1	Engine-Briggs And Stratton, 084233-0198-E1				
19	322-3	4	Screw-HH				
20	3290-456	5	Washer-Bellelville				
21	32112-14	2	Nut-Push				
22	110-2160	2	Wheel				
23	66-6501	1	Spacer-Wheel				
24	105-1965-03	1	Frame				
25	3296-29	3	Nut-Lock, NI				
26	66-6500	1	Spacer-Wheel				
27	105-1968-03	1	Bracket-Support, Recoil				
28	2412-91	1	Clamp				



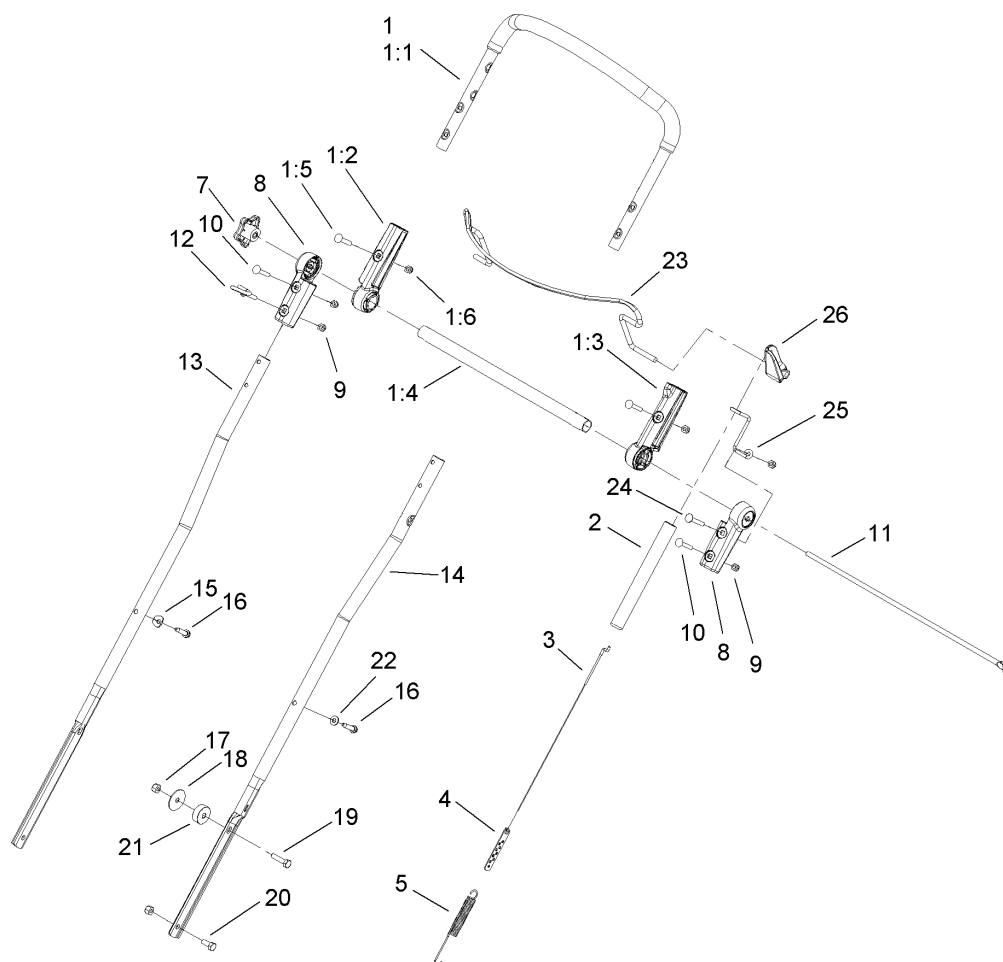
Shroud and Control Panel Assembly

Ref	Part No.	Qty.	Description				
1	3256-22	2	Washer-Flat				
2	3250-32	2	Screw-PPH				
3	104-4133	1	Gas Cap ASM				
4	98-1372	1	Hose-Primer				
5	105-1999-03	1	Panel-Support, Control				
6	105-3523	1	Panel-Control				
7	32144-112	5	Screw-HWH				
8	55-9410	1	Guide-Rope, Starter				
9	106-8345	1	Handle-Recoil				
11	66-7460	1	Bulb-Primer				
12	44-2750	1	Body-Primer				
13	700918	1	Key				
14	40-5940	1	Switch				
15	218-532	1	Connector-Body				
16	108-7339	1	Lower Shroud And Baffle ASM				
20	110-2161	1	Upper Shroud ASM				
21	110-2163	1	Decal				
24	100-9889	2	Nut-Speed				



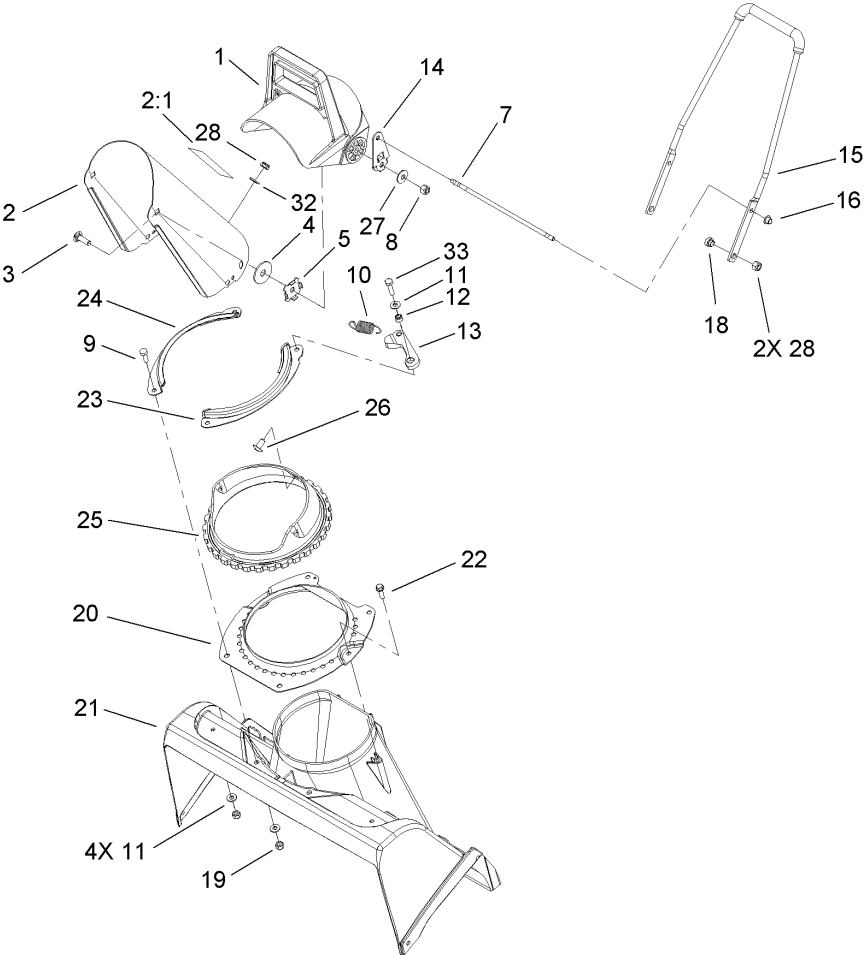
Upper Shroud Assembly No. 110-2161

Ref	Part No.	Qty.	Description
2	108-7333	1	Shield-Heat
3	94-4496	5	Screw-PPH
4	105-3543	1	Seal-Chute
5	55-9540-03	1	Retainer-Seal, Chute
6	3290-474	8	Palnut



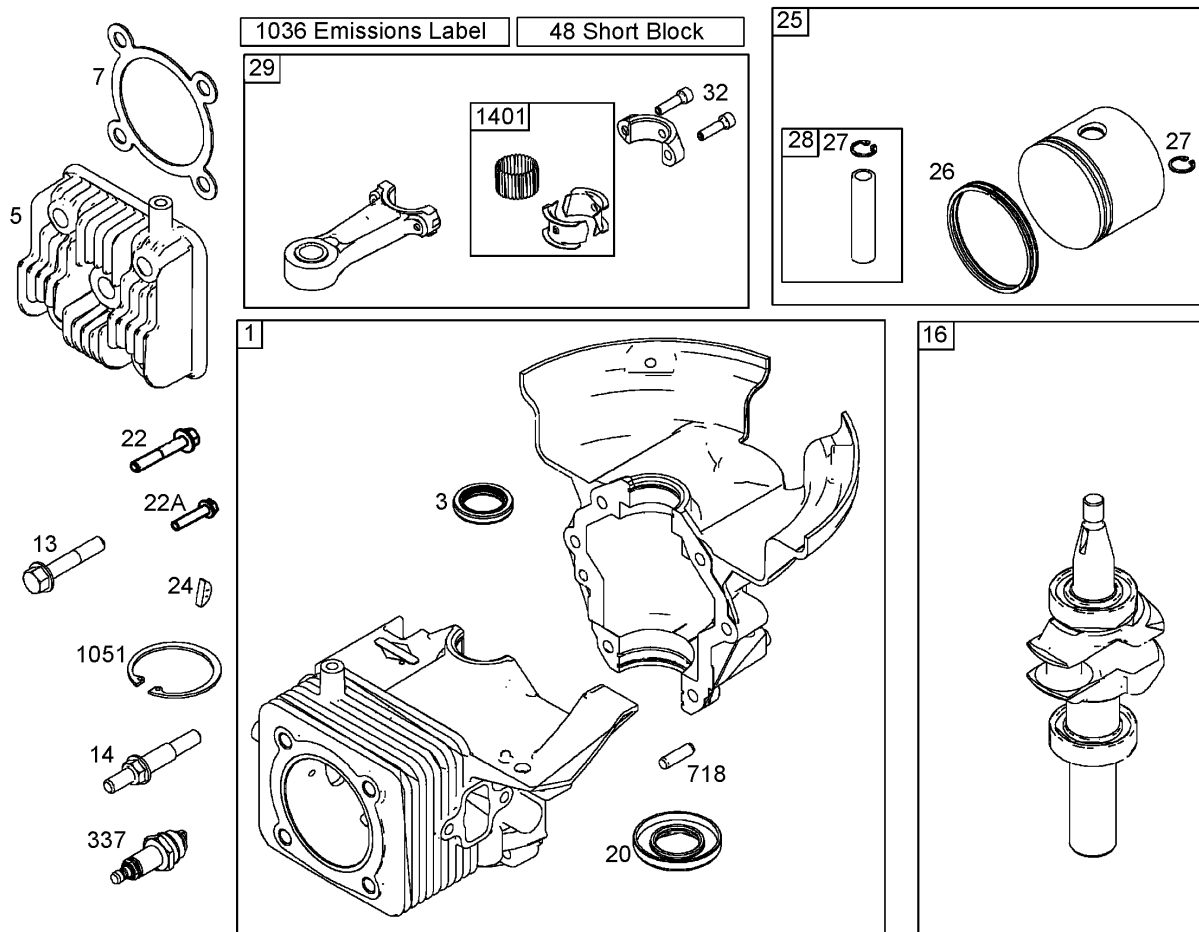
Handle Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1		1	Upper Handle ASM	20	322-3	2	Screw-HH
1:1	110-1752	1	Handle ASM	21	105-1961	2	Spacer
1:2	110-1770	1	Mount-Handle, RH	22	3256-22	1	Washer-Flat
1:3	110-1769	1	Mount-Handle, LH	23	112-1538-03	1	Bail-Brake
1:4	107-3867-03	1	Tube-Cross	24	3229-29	1	Screw-CARR
1:5	108-0988	2	Screw-CARR	25	110-1840	1	Guide-Rope
1:6	3296-73	2	Nut-Lock, NI	26	107-3943	1	Stop-Bail
2	71-5530	1	Cover-Spring				
3	55-9322	1	Cable-Clutch				
4	71-5330	1	Adjuster-Cable, Clutch				
5	110-2181	1	Spring-Extension				
7	107-3937	1	Knob				
8	107-3865	2	Mount-Handle, Lower				
9	3296-73	4	Nut-Lock, NI				
10	108-0988	2	Screw-CARR				
11	107-3871	1	Rod-Threaded				
12	107-3908	1	Guide-Rope, Upper				
13	110-2150-03	1	Handle-Lower, RH				
14	110-2164-03	1	Handle-Lower, LH				
15	3-7501	1	Washer				
16	32144-110	2	Screw-HWH				
17	3296-29	4	Nut-Lock, NI				
18	3256-68	2	Washer-Flat				
19	322-6	2	Screw-HH				



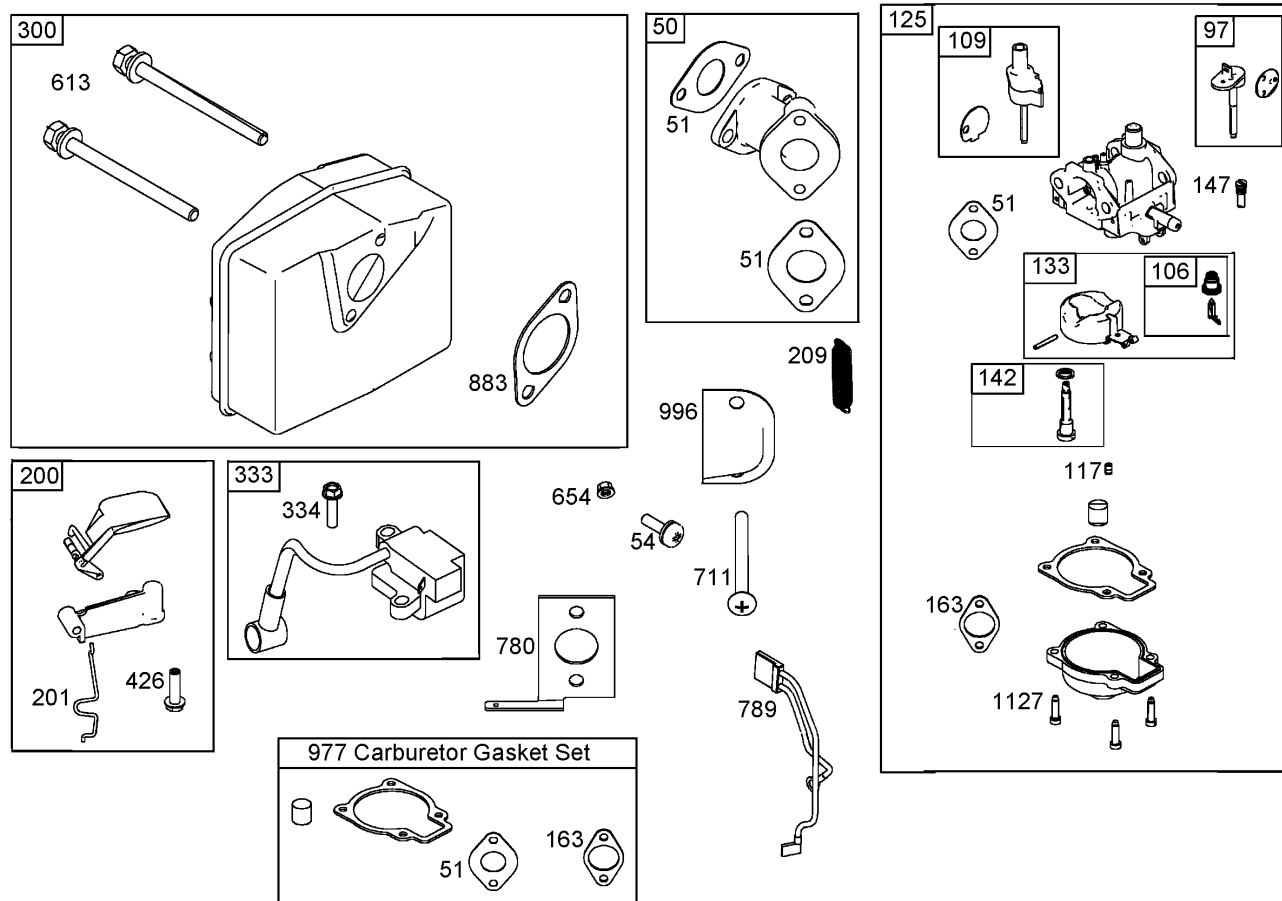
Chute Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	56-2680	1	Chute-Deflector	26	3230-16	3	Screw-CARR
2	104-4115	1	Chute ASM	27	3290-456	2	Washer-Belleville
2:1	104-4135	1	Decal-Danger	28	3296-47	3	Nut-Lock, NI
3	3230-22	2	Screw-CARR	32	3256-70	1	Washer-Flat
4	20-4320	2	Washer-Rubber	33	321-6	1	Screw-HH
5	55-8950	2	Plate-Friction				
7	110-1827	2	Linkage-Chute				
8	3296-29	2	Nut-Lock, NI				
9	321-4	3	Screw-HH				
10	80-4600	1	Spring-Extension				
11	3256-22	5	Washer-Flat				
12	55-9370	1	Spacer-Blade, Rotor				
13	80-4610	1	Detent				
14	112-1521	2	Chute-Pivot Arm				
15	110-1829	1	Handle-Foam				
16	32112-1	2	Pushnut-Cap, Washer				
18	110-2158	2	Spacer-Flanged				
19	3296-42	6	Nut-Lock, NI				
20	55-8921-03	1	Ring-Support, Chute				
21	105-1950	1	Housing-Rotor, Upper				
22	46-8091	2	Screw-HWH				
23	71-4980-03	1	Retainer-Chute, LH				
24	71-4990-03	1	Retainer-Chute, RH				
25	104-2763	1	Ring-Chute				



Cylinder, Piston, and Connecting Rod Assemblies Briggs and Stratton 084233-0198-E1

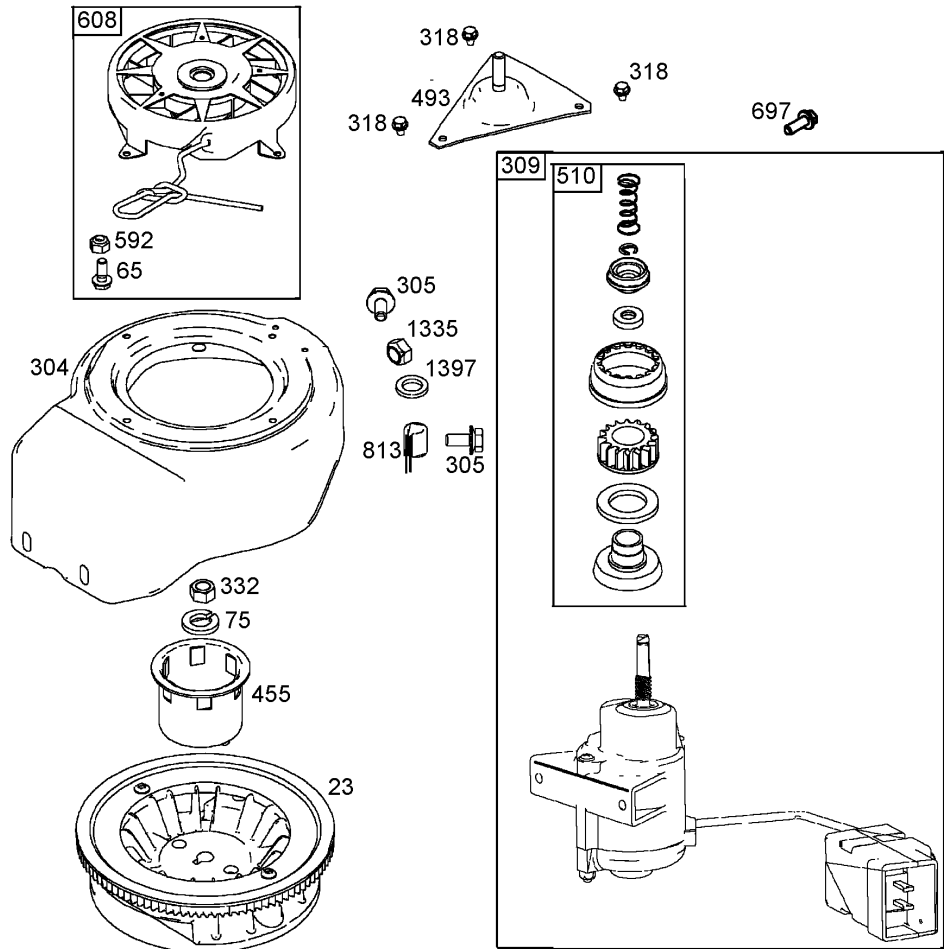
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	801322	1	Cylinder ASM	1401	801290	1	Roller-Strip
3	801262	1	Seal-Oil				
5	801283	1	Head-Cylinder				
7	801263	1	Gasket-Head, Cylinder				
13	801264	1	Screw (Cylinder Head)				
14	801265	1	Stud (Cylinder Head)				
16	801220	1	Crankshaft				
20	801261	1	Seal-Oil				
22	801266	1	Screw (Crankcase Cover And Sump)				
22A	801271	1	Screw (Crankcase Cover And Sump)				
24	801234	1	Key-Flywheel				
25	801279	1	Piston ASM				
26	801280	1	Ring Set				
27	801275	1	Lock-Pin, Piston				
28	801276	1	Pin-Piston				
29	801277	1	Rod-Connecting				
32	801278	1	Screw				
48	801285	1	Short Block				
337	801254	1	Plug-Spark				
718	690959	1	Pin-Locating				
1036	801294	1	Label-Emissions				
1051	801274	1	Ring-Retaining				



Muffler, Carburetor, and Intake Manifold Assemblies Briggs and Stratton 084233-0198-E1

Ref	Part No.	Qty.	Description
●50	801232	1	Manifold-Intake
●51	801224	1	Gasket-Intake
●54	801230	1	Screw (Intake Manifold)
●97	801306	1	Shaft-Throttle
●106	801317	1	Seat-Inlet
●109	801307	1	Shaft-Choke
●117	801310	1	Jet-Main
●125	801233	1	Carburetor
●133	801316	1	Float-Carburetor
●142	801313	1	Nozzle-Carburetor
●147	801308	1	Jet-Pilot
●163	801227	1	Gasket-Cleaner, Air
●200	801289	1	Blade-Governor
●201	801225	1	Link-Vane, Air
●209	801223	1	Spring-Governor
●300	801250	1	Muffler
●333	801268	1	Armature-Magneto
●334	801267	1	Screw
●426	801231	1	Screw
●613	801251	1	Screw
●654	801324	1	Nut (Intake Manifold) (Use Before Engine Code Date 05042600)
●711	801229	1	Screw
●780	801228	1	Anchor-Spring

Ref	Part No.	Qty.	Description
●789	801253	1	Wire ASM
●883	801252	1	Gasket-Exhaust
●977	801312	1	Gasket Set-Carburetor
●996	801226	1	Shield-Carburetor
●1127	801318	1	Screw



Flywheel, Blower Housing, and Starter Assemblies
Briggs and Stratton 084233-0198-E1

Ref	Part No.	Qty.	Description				
23	801246	1	Flywheel				
65	801243	1	Screw				
75	801237	1	Washer				
304	801236	1	Housing-Blower				
305	801239	1	Screw (Blower Housing)				
309	801247	1	Motor-Starter				
318	801241	1	Screw				
332	801238	1	Nut				
455	801235	1	Cup-Flywheel				
493	801240	1	Bracket-Mounting				
510	801293	1	Drive-Starter				
592	801244	1	Nut				
608	801242	1	Starter-Rewind				
697	801248	1	Screw (Starter Motor)				
813	801249	1	Clamp				
1335	801269	1	Nut (Blower Housing)				
1397	801270	1	Washer				

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