



Insight™ 1000 Snowthrower

Model No. 33005 - 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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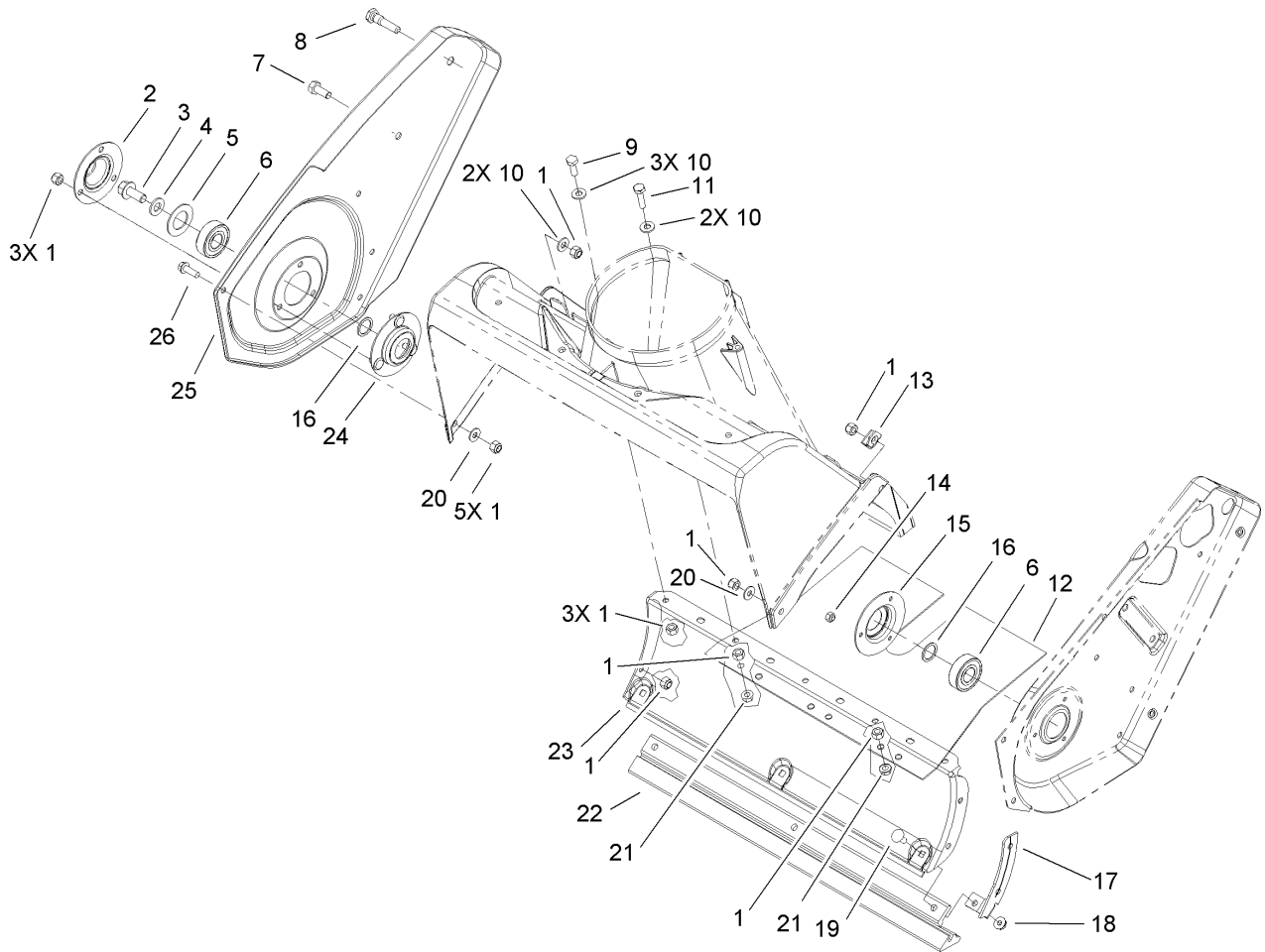
Part Description Abbreviations

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

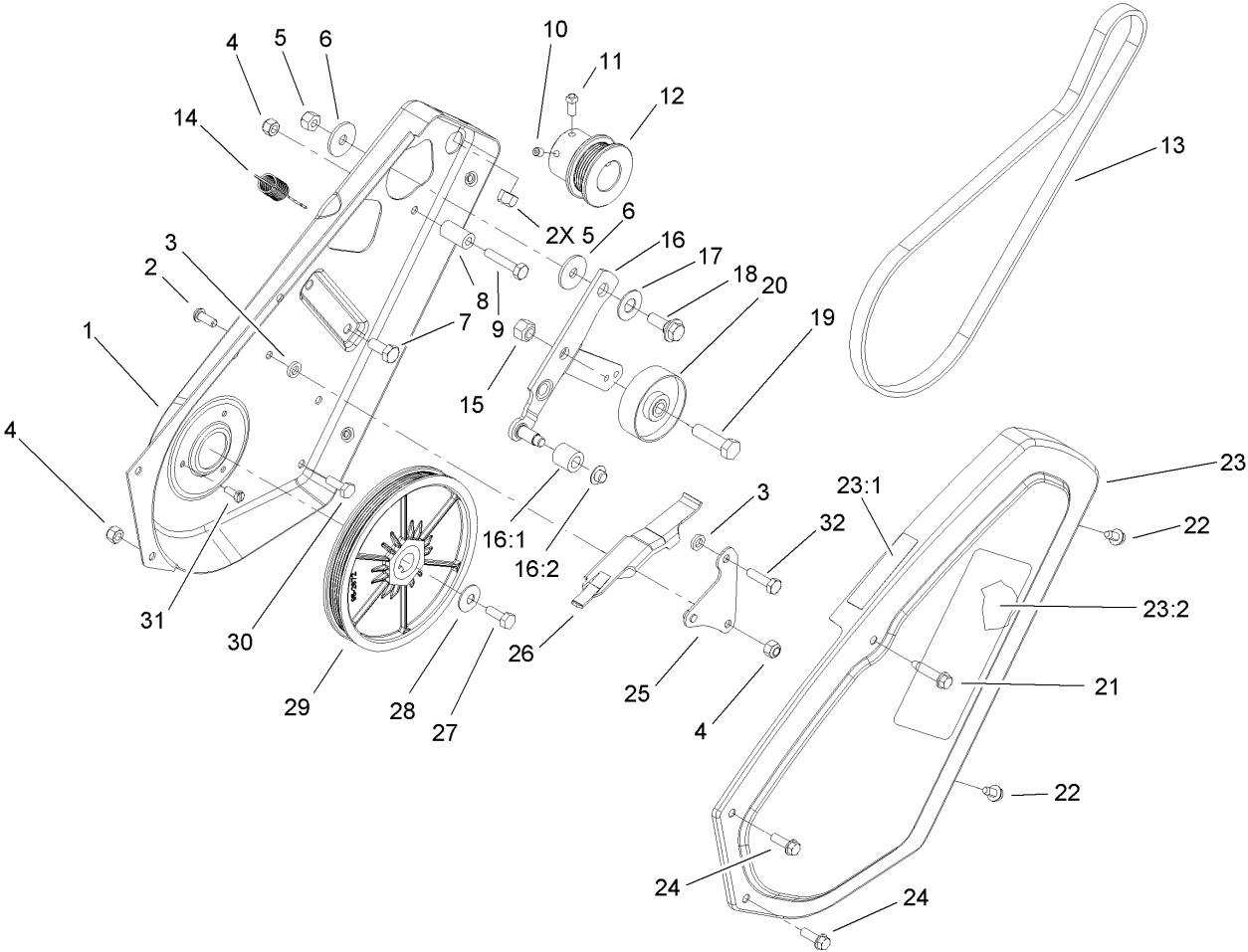
- ❶ Not serviced separately
- ❷ Obtain from your local Briggs & Stratton dealer



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

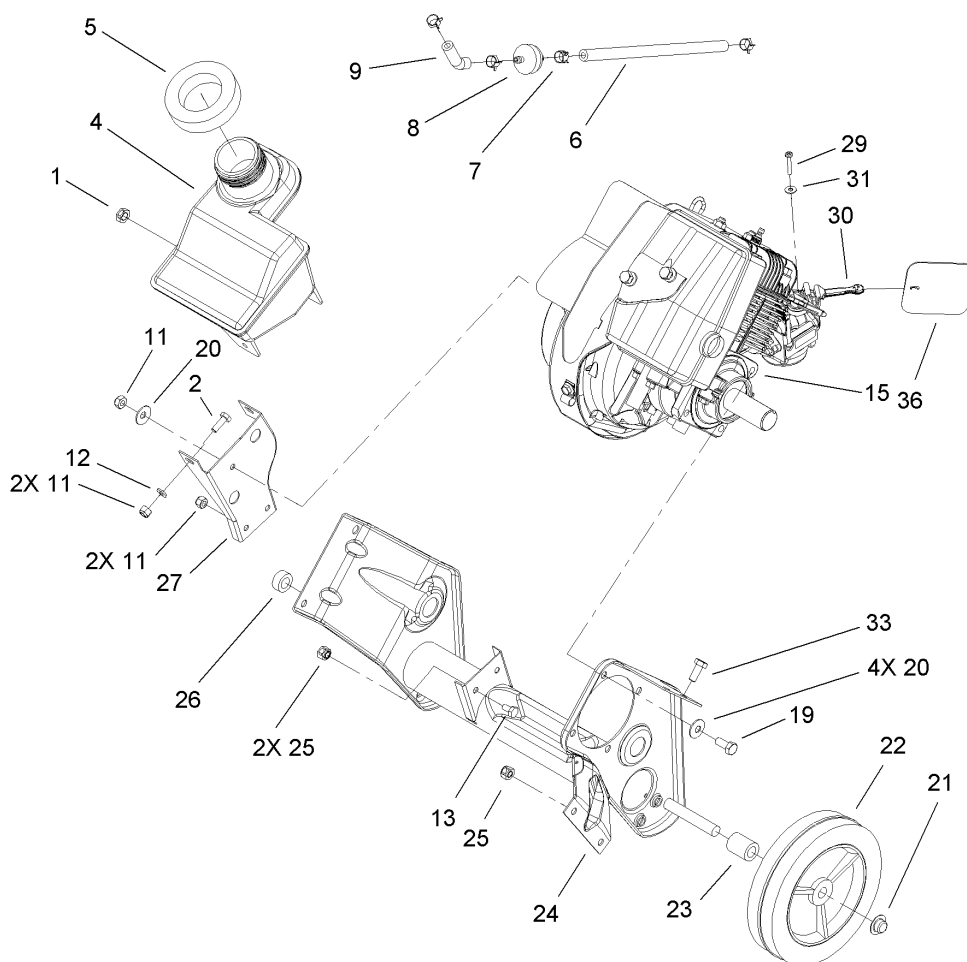


Impeller Drive Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	55-8851-03	1	Plate-Side, LH	23	105-1997	1	Cover-Drive
2	3274-31	1	Screw-HSBH	23:1	104-2767	1	Decal-Warning
3	55-9620	2	Spacer-Plate, Pivot	23:2	60-9480	1	Decal
4	3296-42	3	Nut-Lock, NI	24	32105-15	2	Screw
5	3296-29	3	Nut-Lock, NI	25	55-9570	1	Pivot Plate ASM
6	5-4460	2	Washer-Pivot	26	55-9550	1	Brake-Arm
7	322-3	2	Screw-HH	27	321-30	1	Screw-HH
8	55-9530	1	Sleeve-Guide, Belt	28	3290-456	1	Washer-Belleville
9	321-13	1	Screw-HH	29	95-2672	1	Pulley Rotor ASM
10	3245-32	1	Screw-HSH	30	321-4	2	Screw-HH
11	3241-7	1	Screw-SQH	31	32105-8	3	Screw-SHH
12	95-2673	1	Pulley-Engine	32	321-6	1	Screw-HH
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				

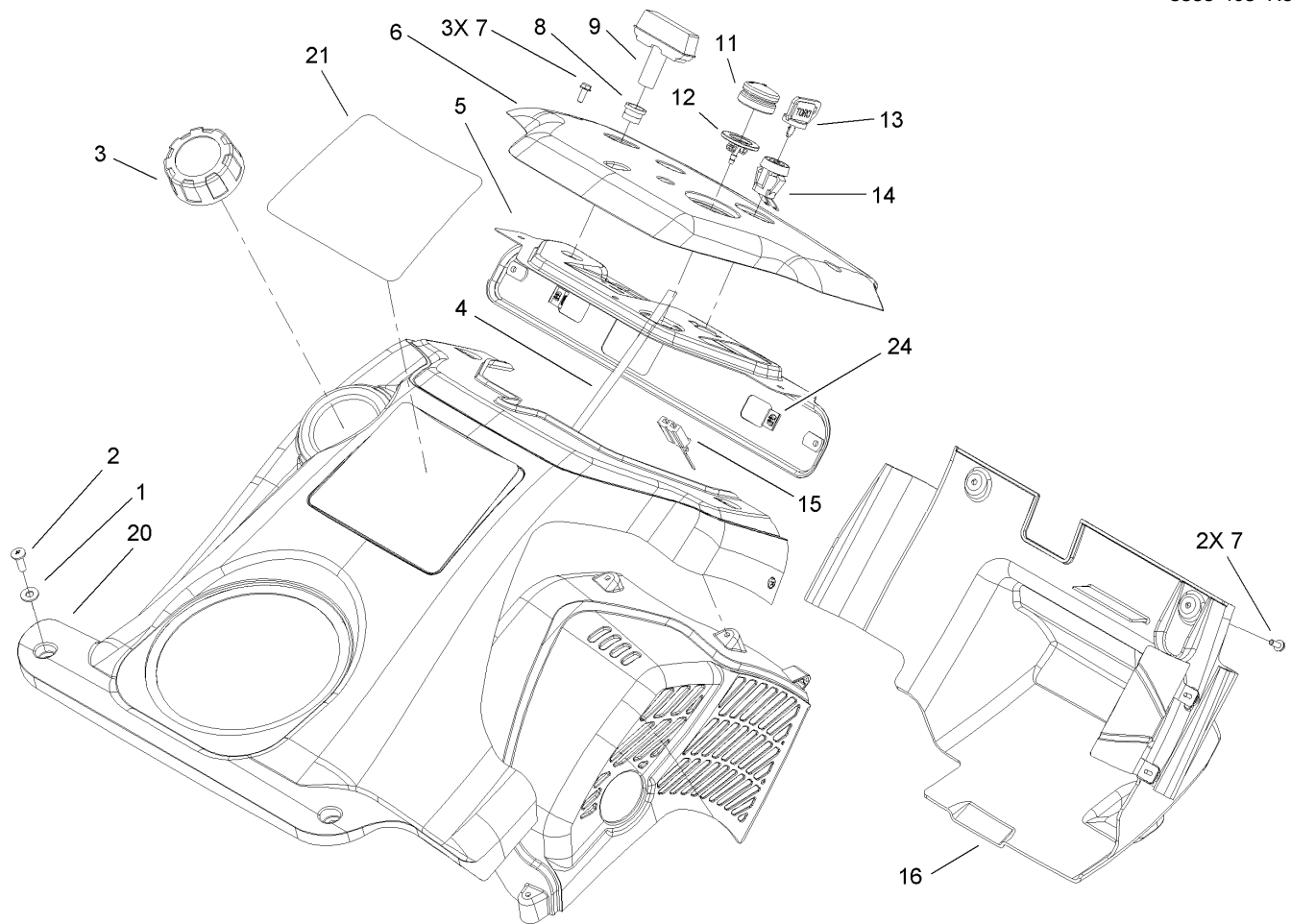


Ref	Part No.	Qty.	Description				
1	99-9313	2	Blade-Rotor				
2	55-9370	4	Spacer-Blade, Rotor				
3	100-5478-03	1	Rotor ASM				
4	3296-56	13	Nut-Lock, NI				
5	66-6600-03	2	Half-Rotor				
6	84-1971	8	Screw				
7	321-8	1	Screw-HH				
8	321-4	4	Screw-HH				



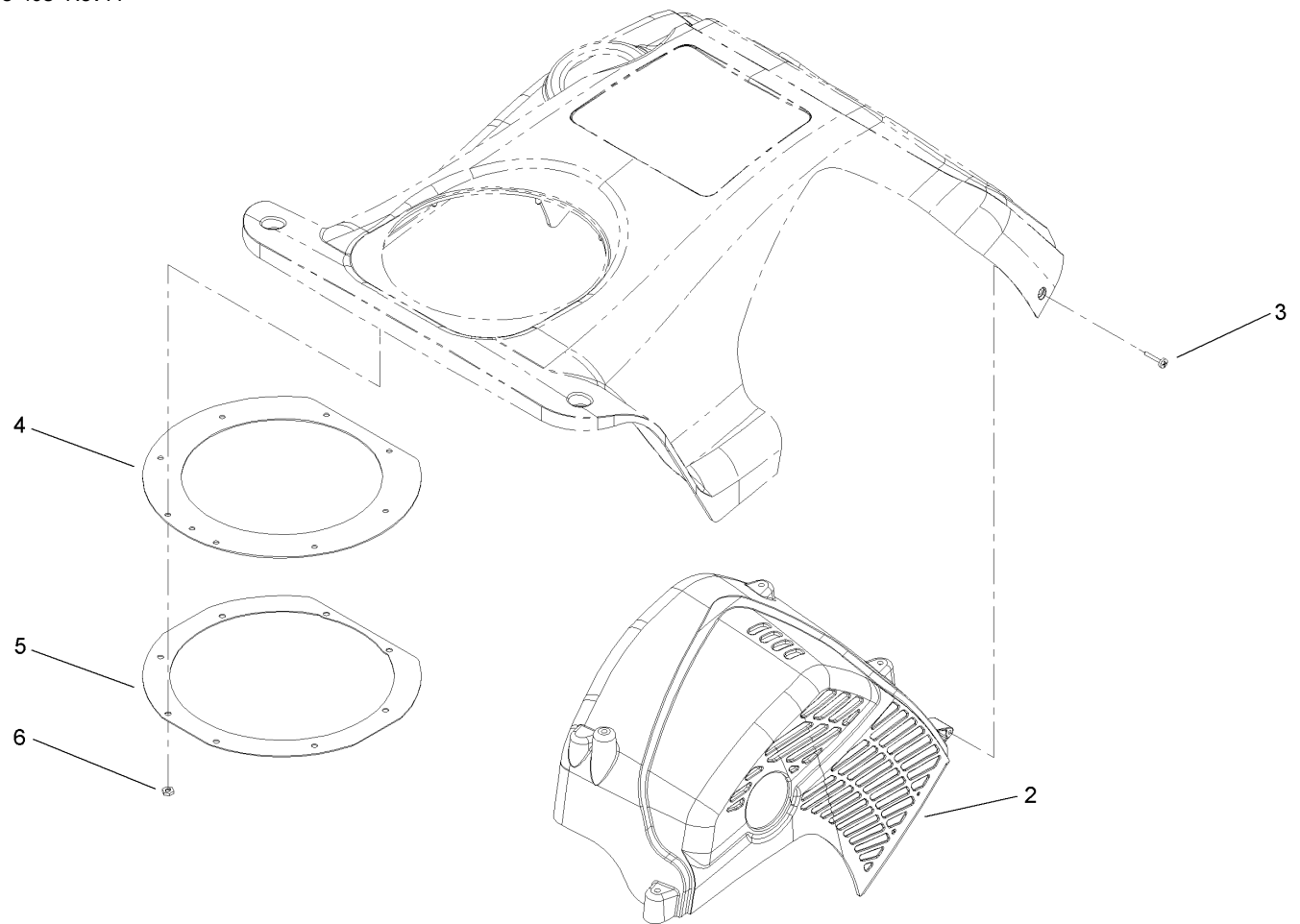
Engine, Gas Tank and Frame Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	32152-8	1	Nut-Lock, Cone	31	3256-14	1	Washer-Flat
2	321-4	2	Screw-HH	33	322-43	2	Screw-HH
4	105-8952	1	Tank-Gas	36	110-3444	1	Shield-Choke Hole
5	55-9310	1	Seal-Foam				
6	110-4894	1	Hose-Fuel				
7	2412-98	4	Clamp				
8	56-6360	1	Filter-Fuel				
9	109-0304	1	Hose-Fuel				
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 084232-0121-E1				
19	322-3	4	Screw-HH				
20	3290-456	5	Washer-Belleville				
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				
29	32144-97	1	Screw-PPH, Plastite				
30	104-0878	1	Lever-Choke				



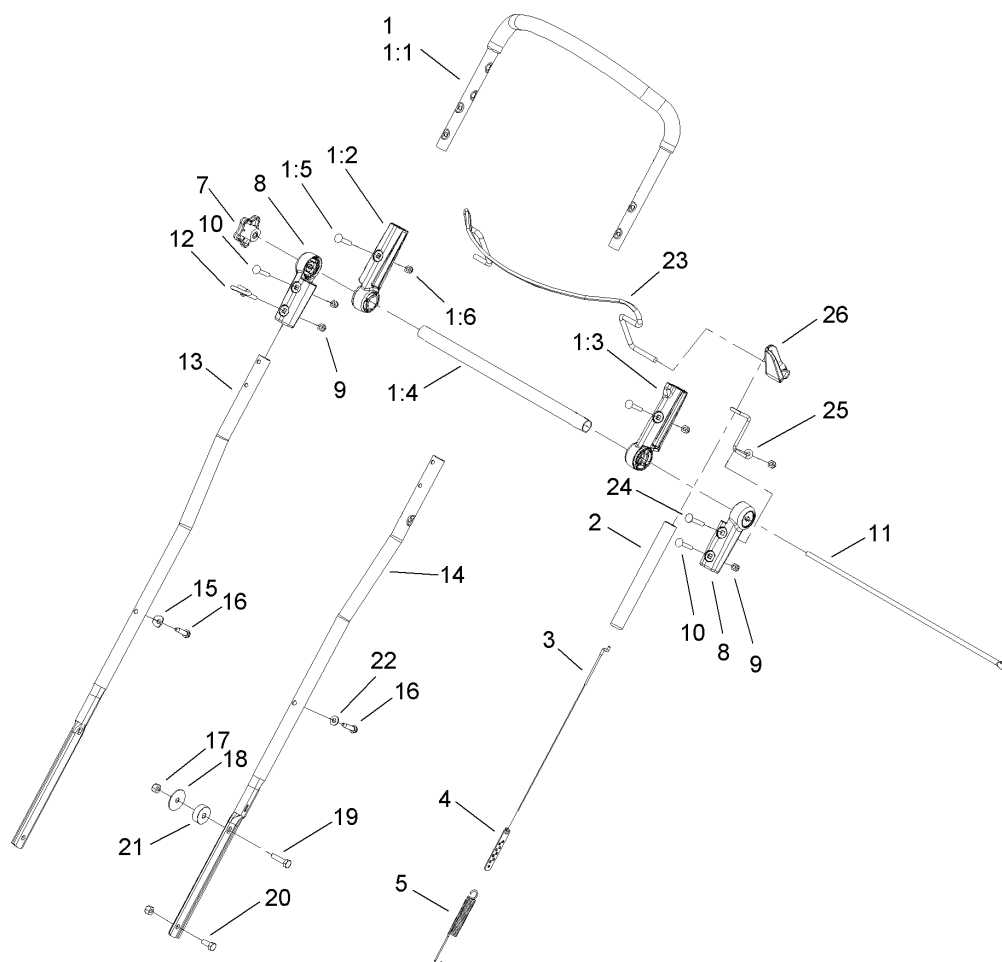
Shroud and Control Panel Assembly

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	105-3521	1	Panel-Control				
7	32144-112	5	Screw-HWH				
8	55-9410	1	Guide-Rope, Starter				
9	110-1778	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	108-7335	1	Lower Shroud/Baffle ASM				
20	110-2161	1	Upper Shroud ASM				
21	110-2162	1	Decal-Upper Shroud				
24	100-9889	2	Nut-Speed				



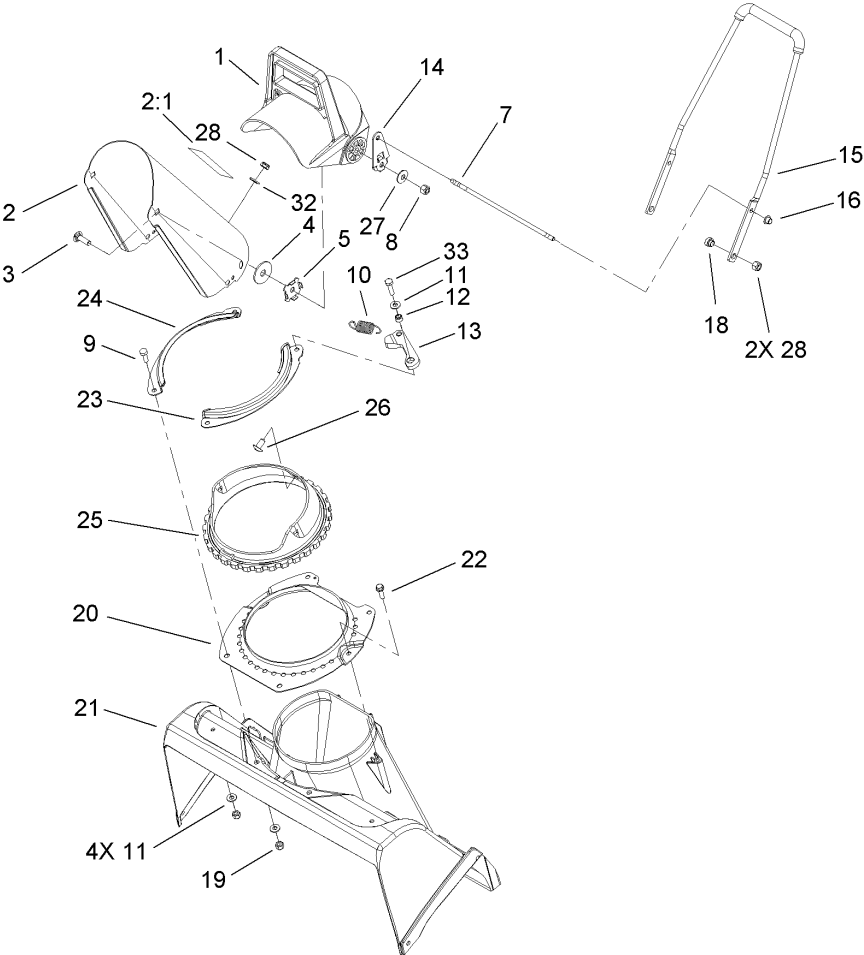
Upper Shroud Assembly No. 110-2161

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				



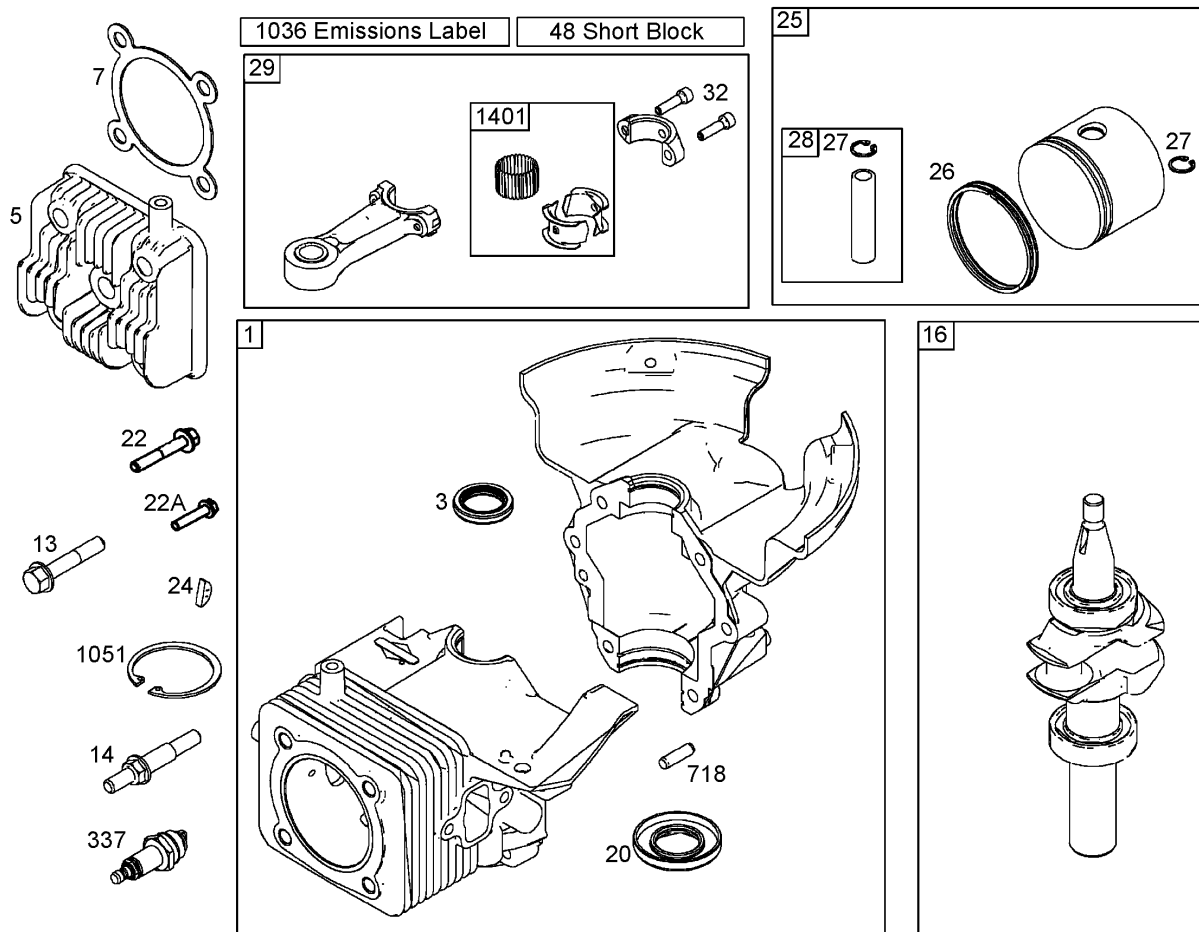
Handle Assembly

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				



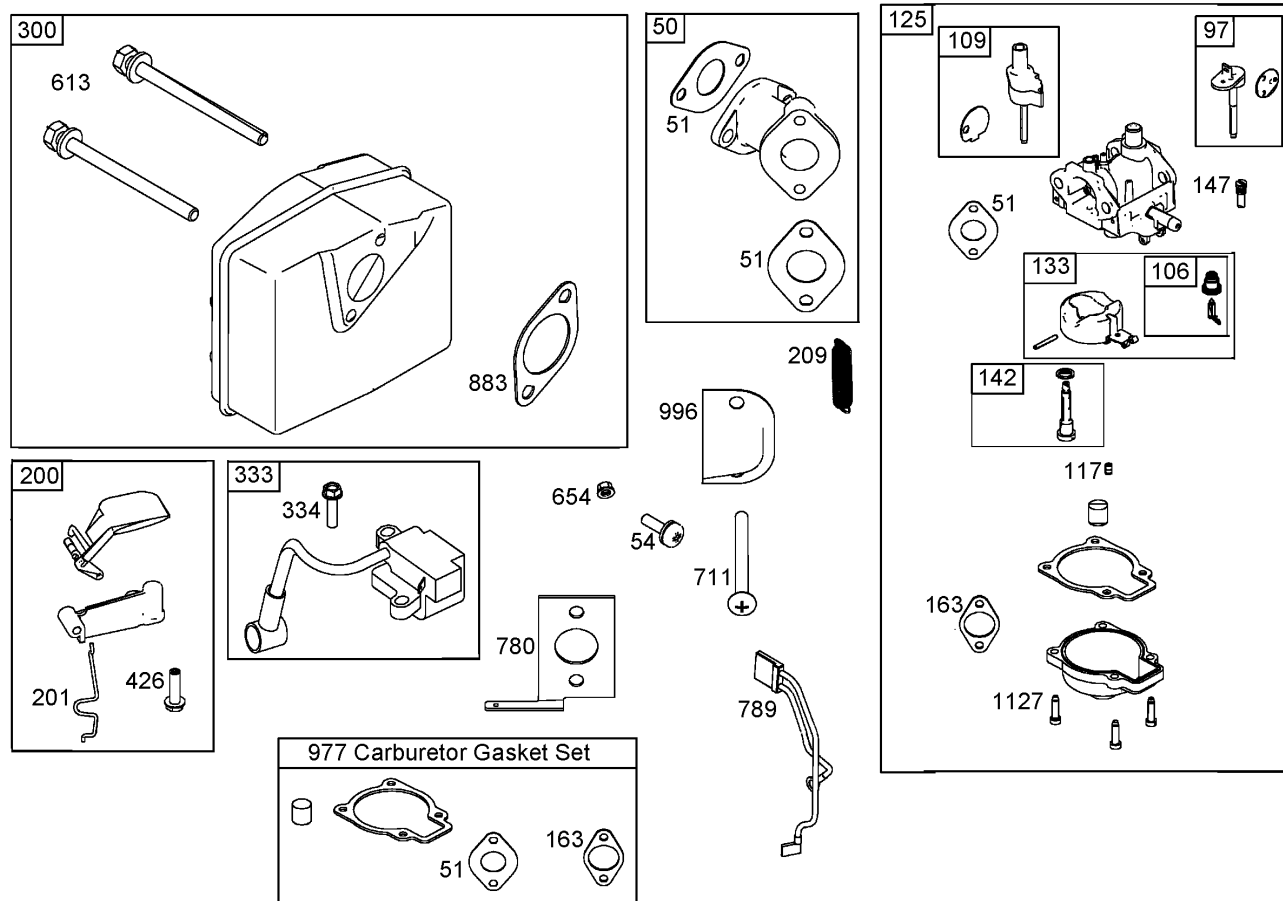
Chute Assembly

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 084232-0121-E1

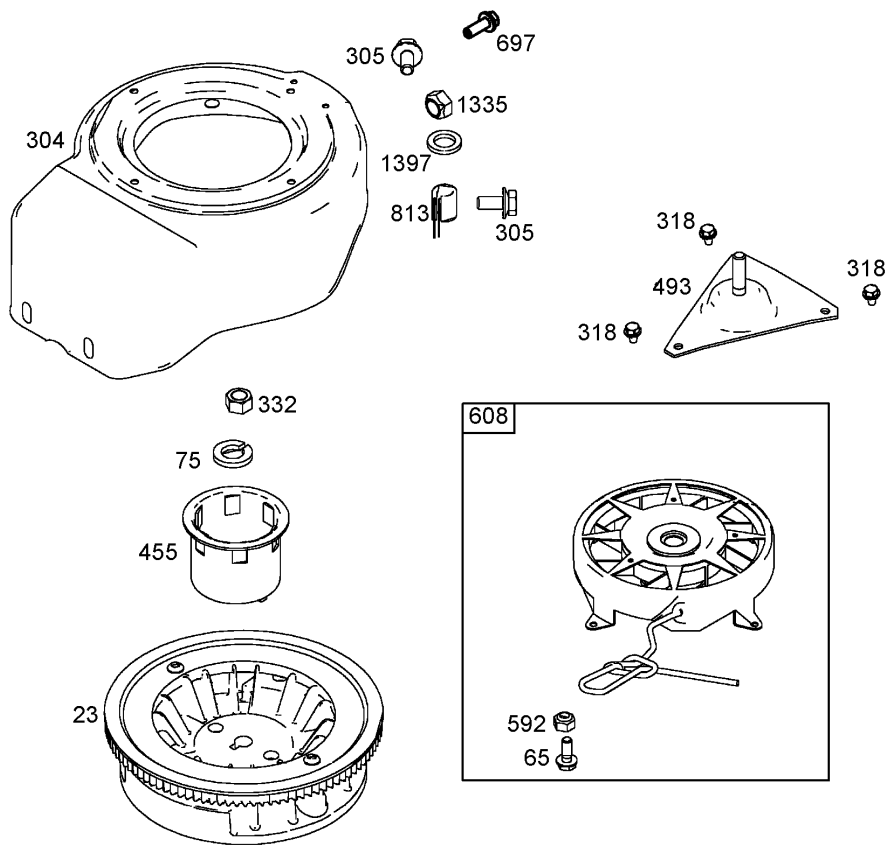
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
②1	801260	1	Cylinder ASM	②1401	801290	1	Roller-Strip
②3	801262	1	Seal-Oil				
②5	801283	1	Head-Cylinder				
②7	801263	1	Gasket-Head, Cylinder				
②13	801264	1	Screw (Cylinder Head)				
②14	801265	1	Stud (Cylinder Head)				
②16	801220	1	Crankshaft				
②20	801261	1	Seal-Oil				
②22	801266	1	Screw (Crankcase Cover And Sump)				
②22A	801271	1	Screw (Crankcase Cover And Sump)				
②24	801234	1	Key-Flywheel				
②25	801279	1	Piston ASM				
②26	801280	1	Ring Set				
②27	801275	1	Lock-Pin, Piston				
②28	801276	1	Pin-Piston				
②29	801277	1	Rod-Connecting				
②32	801278	1	Screw				
②48	801284	1	Short Block				
②337	801254	1	Plug-Spark				
②718	690959	1	Pin-Locating				
②1036	801294	1	Label-Emissions				
②1051	801274	1	Ring-Retaining				



Muffler, Carburetor, and Intake Manifold Assemblies Briggs and Stratton 084232-0121-E1

Ref	Part No.	Qty.	Description
250	801232	1	Manifold-Intake
251	801224	1	Gasket-Intake
254	801230	1	Screw (Intake Manifold)
297	801306	1	Shaft-Throttle
2106	801317	1	Seat-Inlet
2109	801307	1	Shaft-Choke
2117	801310	1	Jet-Main
2125	801233	1	Carburetor
2133	801316	1	Float-Carburetor
2142	801313	1	Nozzle-Carburetor
2147	801308	1	Jet-Pilot
2163	801227	1	Gasket-Cleaner, Air
2200	801289	1	Blade-Governor
2201	801225	1	Link-Vane, Air
2209	801223	1	Spring-Governor
2300	801250	1	Muffler
2333	801268	1	Armature-Magneto
2334	801267	1	Screw
2426	801231	1	Screw
2613	801251	1	Screw
2654	801324	1	Nut (Intake Manifold) (Used Before Engine Code Date 05042600)
2711	801229	1	Screw

Ref	Part No.	Qty.	Description
2780	801228	1	Anchor-Spring
2789	801253	1	Wire ASM
2883	801252	1	Gasket-Exhaust
2977	801312	1	Gasket Set-Carburetor
2996	801226	1	Shield-Carburetor
21127	801318	1	Screw



Flywheel, Blower Housing and Starter Assemblies
Briggs and Stratton 084232-0121-E1

Ref	Part No.	Qty.	Description				
23	801246	1	Flywheel				
65	801243	1	Screw				
75	801237	1	Washer				
304	801257	1	Housing-Blower				
305	801239	1	Screw (Blower Housing)				
318	801241	1	Screw				
332	801238	1	Nut				
455	801235	1	Cup-Flywheel				
493	801240	1	Bracket-Mounting				
592	801244	1	Nut				
608	801242	1	Starter-Rewind				
697	801248	1	Screw (Strater Motor)				
813	801249	1	Clamp				
1335	801269	1	Nut (Blower Housing)				
1397	801270	1	Washer				

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