Form Number 3329-957 Rev B

Snow Commander® Snowthrower

Model No. 38603 - 250000001 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.

© The Toro Company - 2006
All Rights Reserved

Register your product at www.Toro.com

Contents

Description	Page
Upper Housing and Side Plate Assembly	3
Lower Housing Assembly	4
Impeller Drive Assembly	5
Chute Assembly	6
Impeller Assembly	7
Engine and Frame Assembly	8
Upper Shroud and Control Panel Assembly	9
Upper Handle Assembly	10
Lower Handle Assembly	11
Crankcase, Crankshaft, Cylinder Head, and Connecting Rod Assemblies Briggs and Stratton 084333-0199-E1	12
Intake Manifold, Carburetor, and Muffler Assemblies Briggs and Stratton 084333-0199-E1	13
Flywheel, Blower Housing, and Starter Assemblies Briggs and Stratton 084333-0199-E1	14

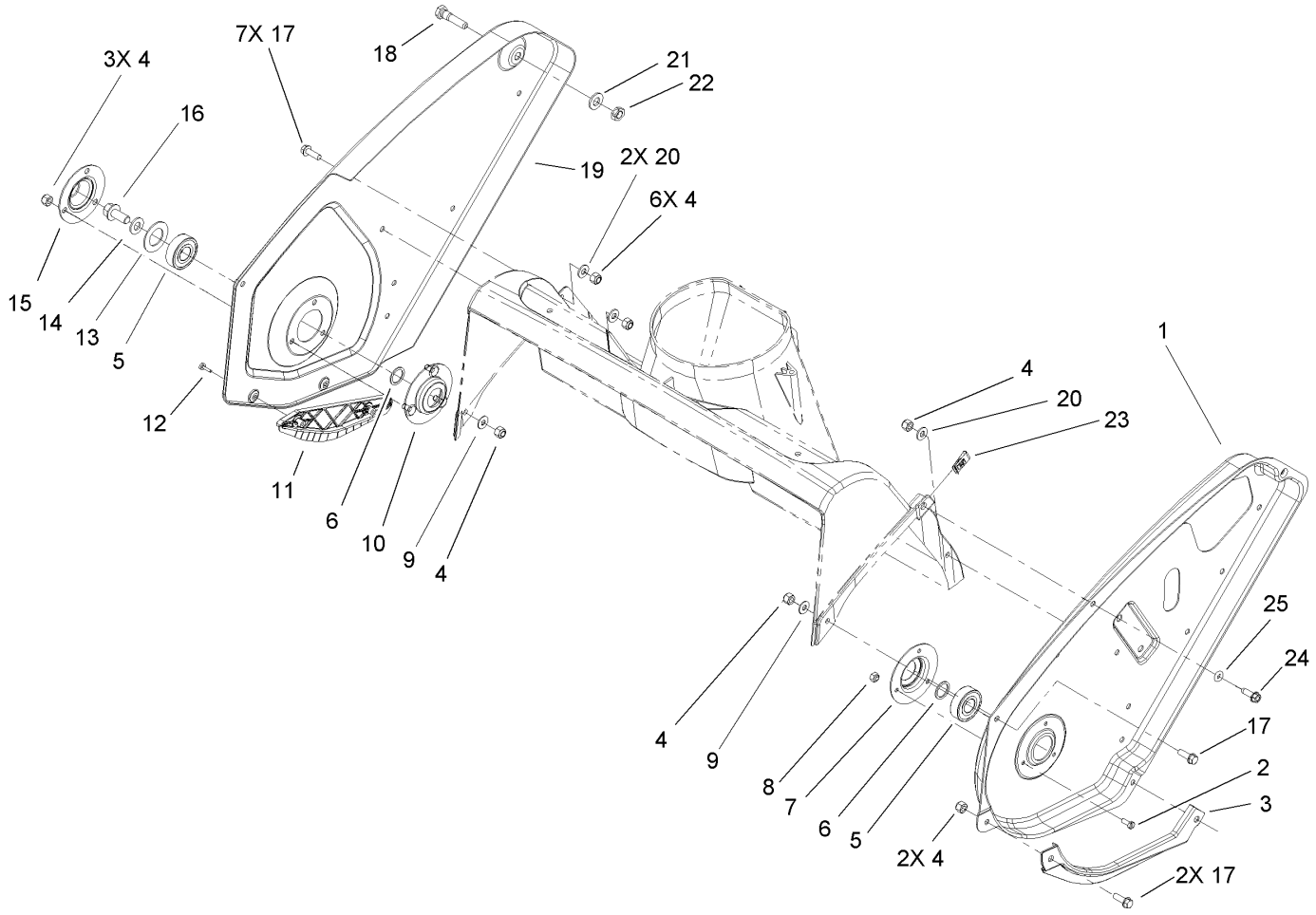
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
DEG. . . . . degrees
EXT. . . . . external
FH. . . . . flat head
GA. . . . . gauge
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
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
INC. . . . . incorporated
LH. . . . . left hand
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
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

Footnotes

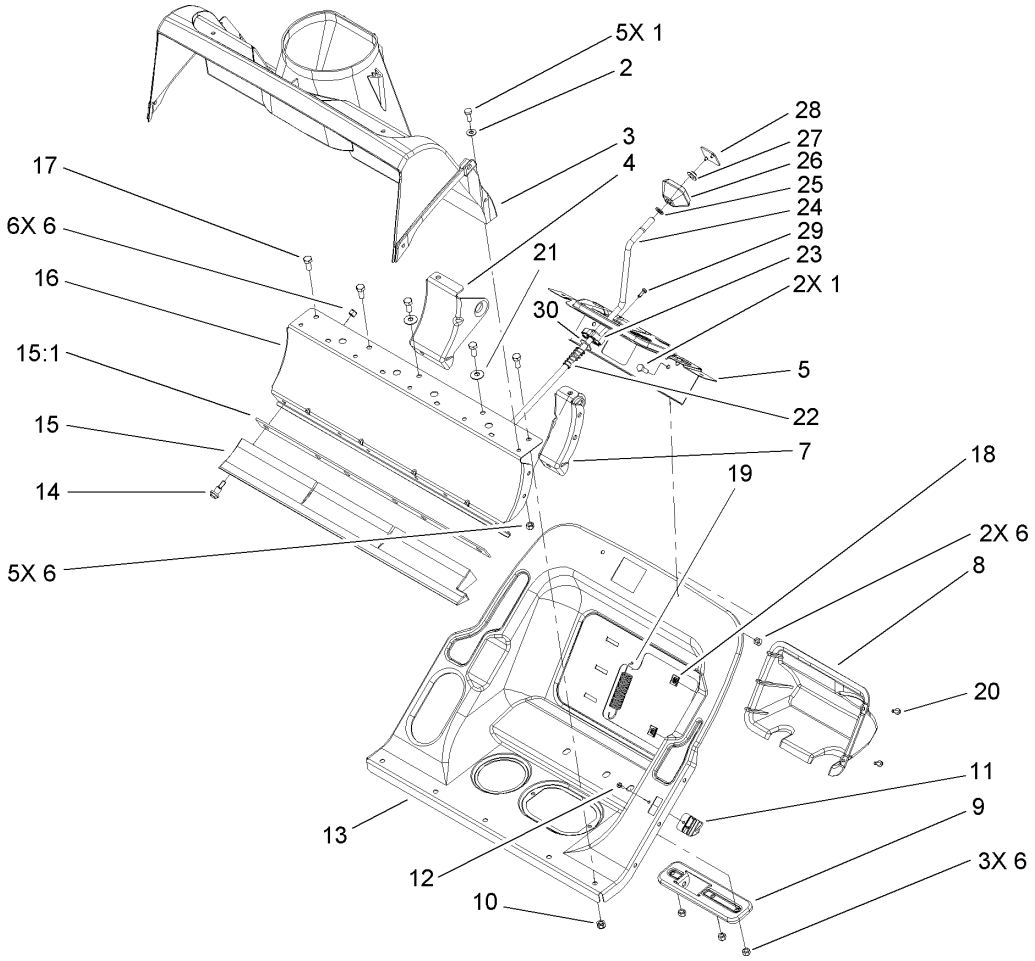
❶ Not illustrated
❷ Not serviced separately
❸ Obtain from your local Briggs & Stratton dealer



Upper Housing and Side Plate Assembly

Ref	Part No.	Qty.	Description
1	100-9865-03	1	Sideplate-LH
2	32105-8	3	Screw-SHH
3	104-0871	1	Guard-Rotor, LH
4	3296-42	14	Nut-Lock, NI
5	100-1048	2	Bearing-Ball
6	52-7280	2	Washer-Thrust
7	38-8620	1	Flange-Bearing
8	3296-2	3	Nut-Lock
9	3256-1	2	Washer-Flat
10	52-9110	1	Flange-Bearing
11	104-0872	1	Guard-Rotor, RH
12	95-4234	2	Screw-PPH
13	52-7270	1	Washer-Rubber
14	3256-24	1	Washer-Flat
15	52-7290-03	1	Retainer-Bearing
16	3234-25	1	Screw-HHF
17	32105-15	10	Screw
18	38-8211	1	Pin-Rotor
19	100-9870-03	1	Sideplate-RH
20	3256-22	3	Washer-Flat
21	3256-24	1	Washer-Flat
22	32152-8	1	Nut-Lock, Cone
23	702552	1	Nut-Speed
24	49-2040	1	Screw-HWHTF

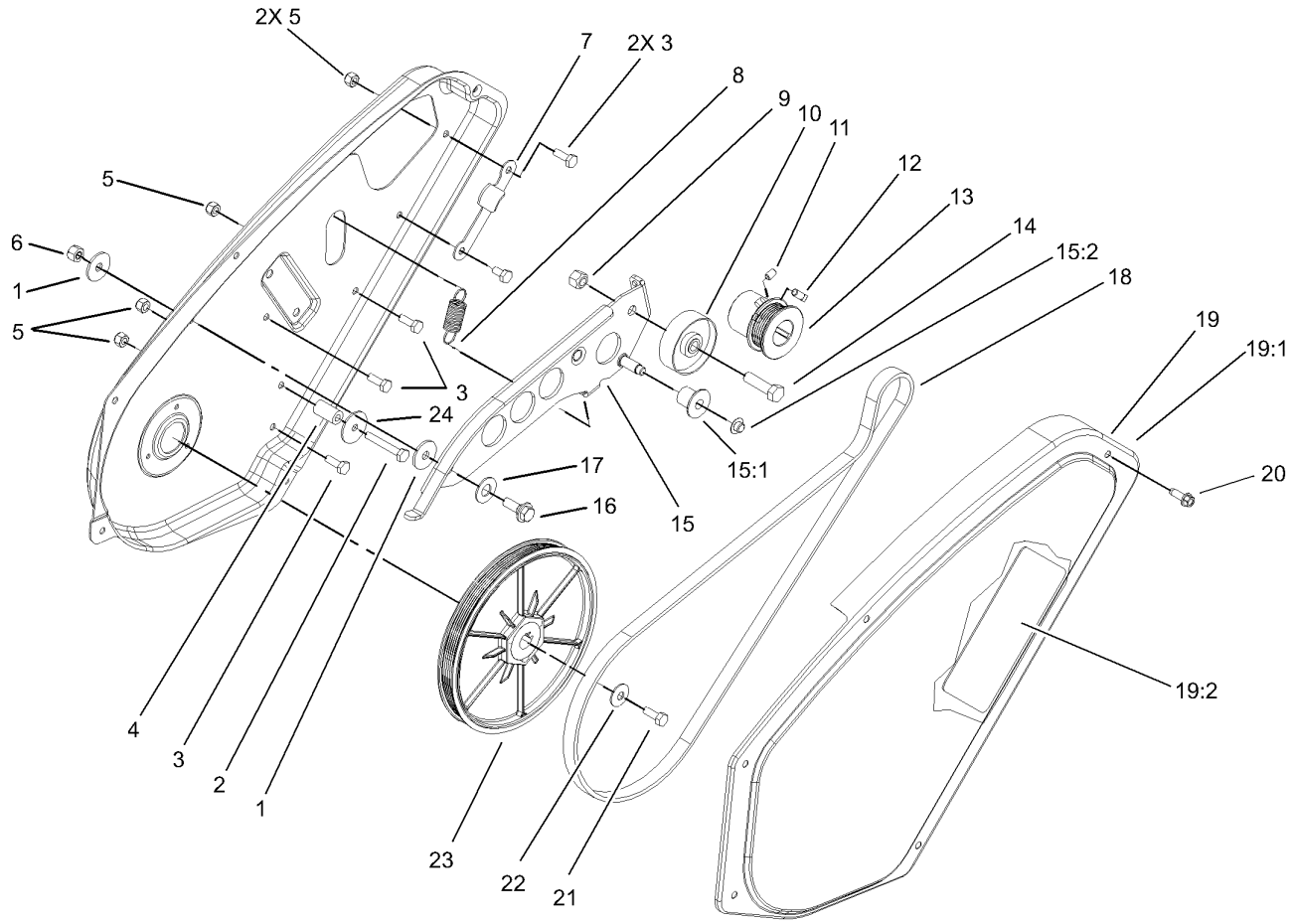
Ref	Part No.	Qty.	Description
25	104-8657	1	O-Ring



Lower Housing Assembly

Ref	Part No.	Qty.	Description
1	321-4	7	Screw-HH
2	3256-22	5	Washer-Flat
3	100-9894	1	Housing-Rotor, Upper
4	104-0865	1	Bracket-Pivot, RH
5	104-0887-03	1	Control Panel Support ASM
6	3296-42	16	Nut-Lock, NI
7	104-0864	1	Bracket-Pivot, LH
8	104-8663	1	Cover-Carb Ce
9	100-9897	1	Bracket-Pivot, Center
10	3296-29	10	Nut-Lock, NI
11	104-0880	1	Guide-Cable, Clutch
12	95-4234	1	Screw-PPH
13	105-3514-03	1	Housing-Lower
14	104-0858	6	Bolt-Shoulder
15	104-4138	1	Scraper ASM
15:1	104-0879	1	Foam-Scraper
16	100-9893-03	1	Housing-Rotor, Lower
17	322-3	5	Screw-HH
18	100-9889	2	Nut-Speed
19	104-4130	1	Spring-Extension, Pivot
20	32144-112	2	Screw-HWH
21	3290-456	2	Washer-Belleville
22	104-8664	1	Spring-Compression
23	104-8659	1	Bushing-Chute Crank

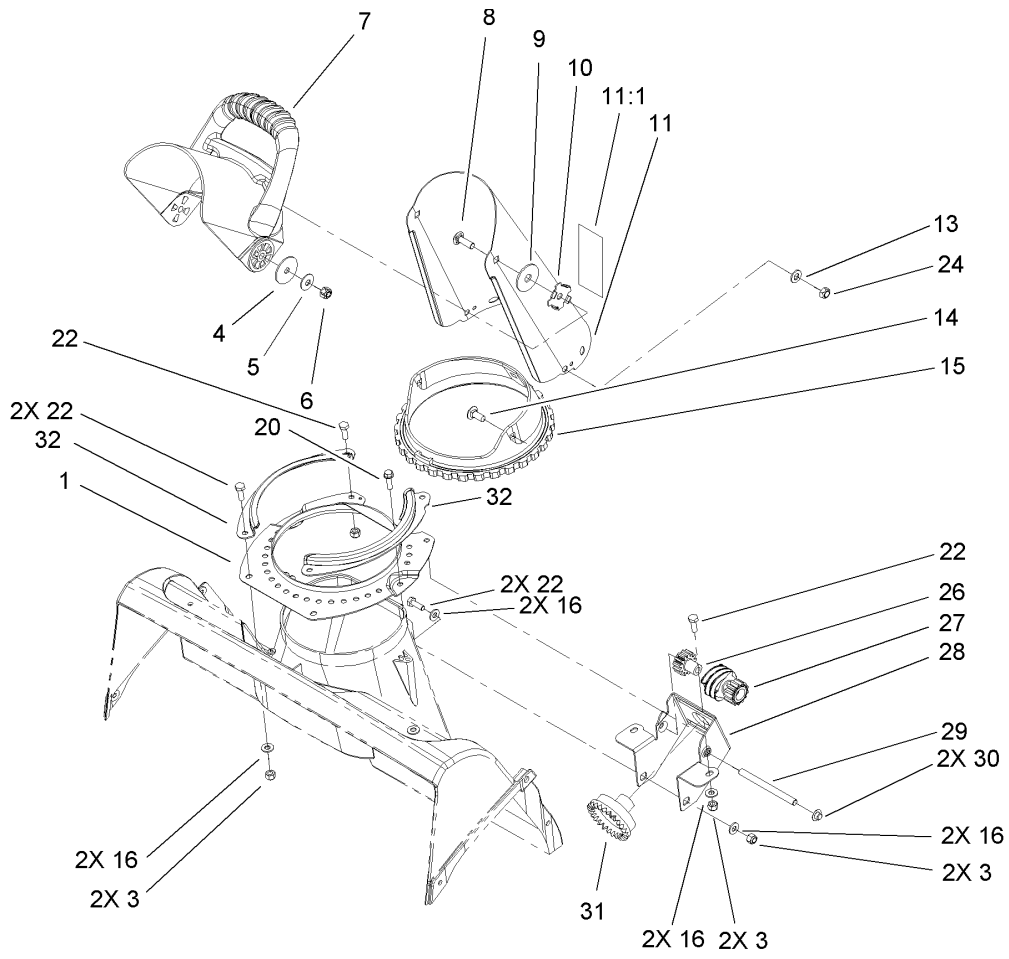
Ref	Part No.	Qty.	Description
24	104-8658	1	Rod-Chute Crank
25	104-8665	1	Washer-Chute Crank
26	62-1320	1	Knob-Control, Chute
27	3290-320	1	Retainer-Push On
28	62-1520	1	Cover-Knob
29	94-6961	2	Screw
30	105-3540	1	Washer



Impeller Drive Assembly

Ref	Part No.	Qty.	Description
1	5-4460	2	Washer-Pivot
2	321-10	1	Screw-HH
3	321-4	5	Screw-HH
4	55-9530	1	Sleeve-Guide, Belt
5	3296-42	5	Nut-Lock, NI
6	3296-29	1	Nut-Lock, NI
7	104-0868	1	Belt-Guide
8	104-0869	1	Spring-Brake
9	32152-2	1	Nut-Lock, Cone
10	55-9290	1	Pulley-Idler
11	3245-41	1	Screw-HSH
12	3241-7	1	Screw-SQH
13	104-4108	1	Pulley
14	323-29	1	Screw-HH
15	104-4113	1	Brake-Arm
15:1	104-4114	1	Roller-Brake
15:2	32112-11	1	Nut-Push
16	27-0410	1	Screw-Shoulder
17	25-5640	1	Washer
18	104-0851	1	Belt-Drive
19	104-8669	1	Cover-Drive W/Decal Ce
19:1	94-2561	1	Decal-Hot
19:2	104-4125	1	Decal-Belt Routing
20	49-2040	1	Screw-HWHTF

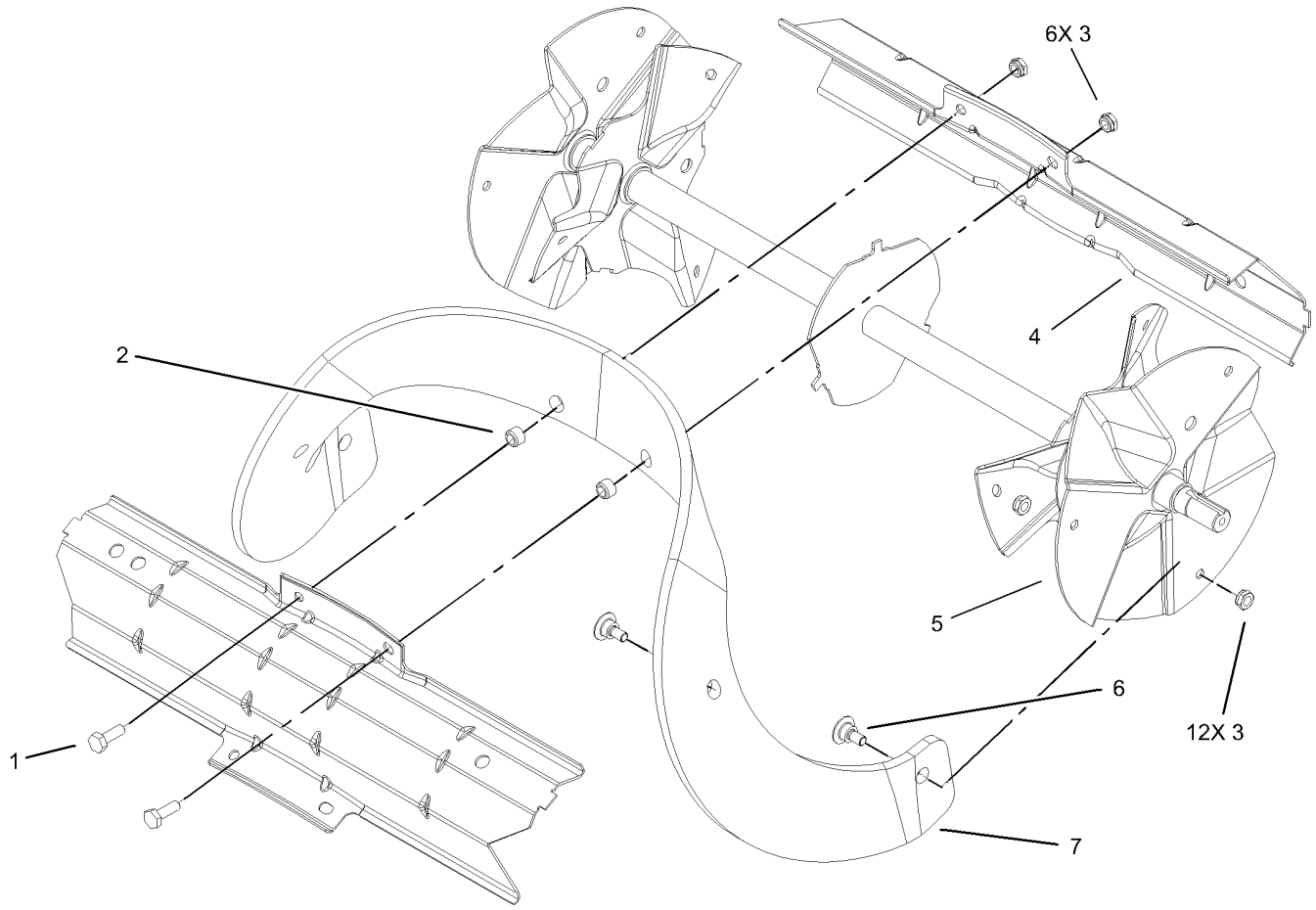
Ref	Part No.	Qty.	Description
21	321-30	1	Screw-HH
22	3290-456	1	Washer-Belleville
23	100-9871	1	Pulley-Rotor
24	3256-55	1	Washer-Flat



Chute Assembly

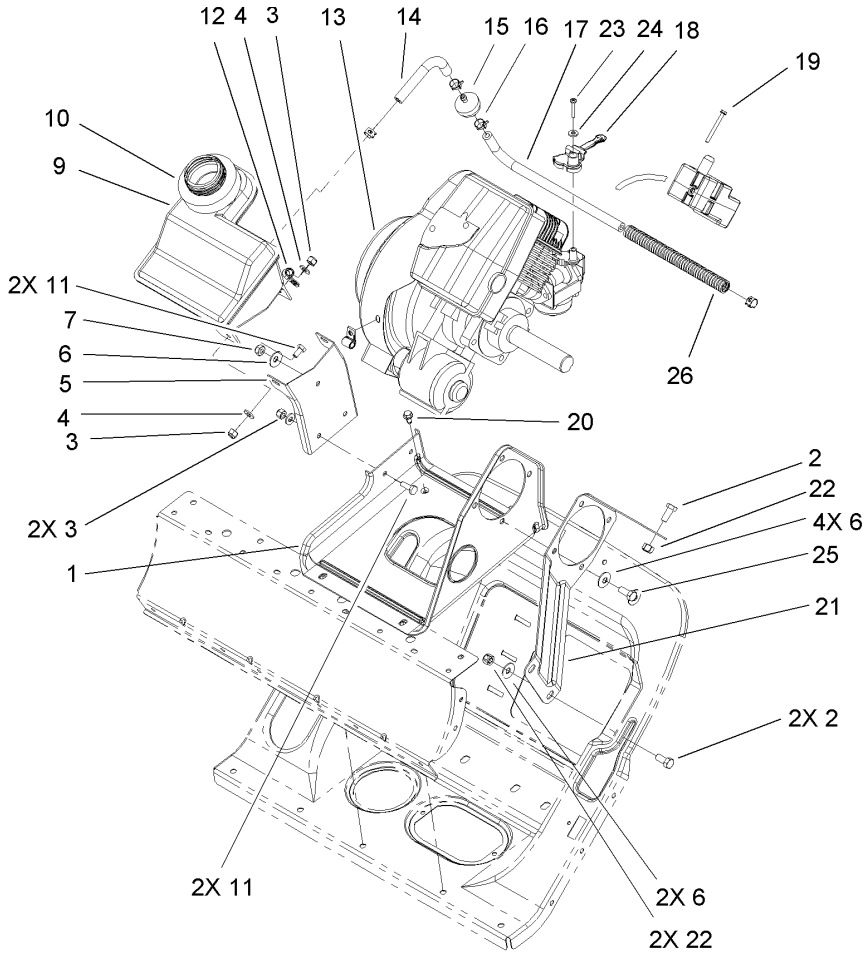
Ref	Part No.	Qty.	Description
1	55-8921-03	1	Ring-Support, Chute
3	3296-42	6	Nut-Lock, NI
4	3256-68	2	Washer-Flat
5	3290-456	2	Washer-Belleville
6	3296-29	2	Nut-Lock, NI
7	104-0882	1	Chute-Deflector
8	3230-22	2	Screw-CARR
9	20-4320	2	Washer-Rubber
10	55-8950	2	Plate-Friction
11	94-2791	1	Chute ASM W/Decal
11:1	94-2901	1	Decal-Danger
13	3256-70	3	Washer-Flat
14	100-5486	3	Screw-Truss Hd, Phillips
15	55-8720	1	Ring-Gear, Chute
16	3256-22	8	Washer-Flat
20	46-8091	2	Screw-HWH
22	321-4	6	Screw-HH
24	3296-47	3	Nut-Lock, NI
26	55-8750	1	Gear-Spur, Spacer
27	105-3512	1	Gear-Spur/Worm
28	104-8660-03	1	Bracket-Chute Gears
29	55-9150	1	Shaft-Gear, Worm
30	32112-11	2	Nut-Push
31	55-8740	1	Gear-Face

Ref	Part No.	Qty.	Description
32	55-8910-03	2	Ring-Retainer, Chute



Impeller Assembly

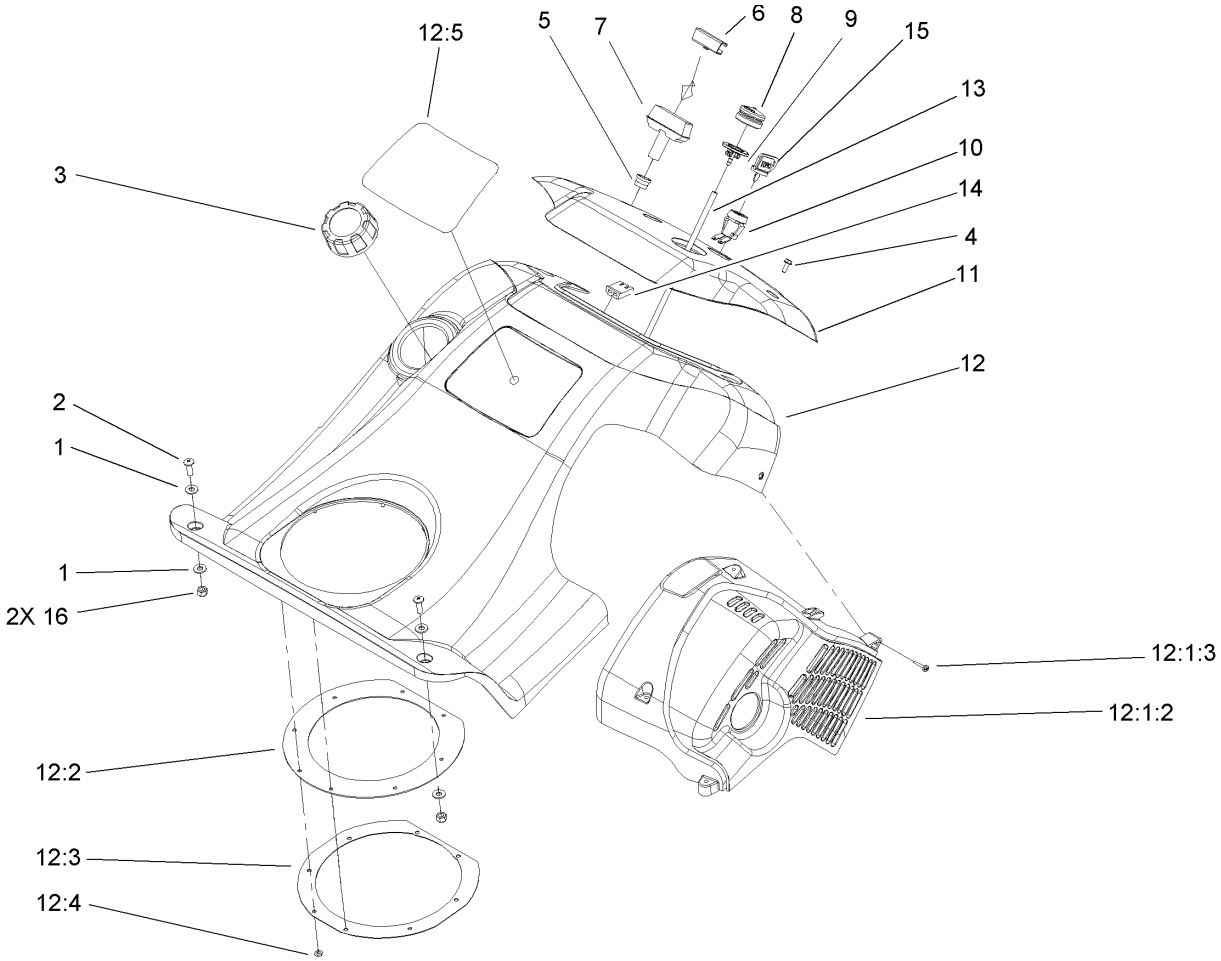
Ref	Part No.	Qty.	Description
1	321-4	6	Screw-HH
2	55-9370	6	Spacer-Blade, Rotor
3	3296-56	18	Nut-Lock, NI
4	100-9856-03	3	Drum-Rotor
5	100-9877-03	1	Rotor ASM
6	84-1971	12	Screw
7	100-9872	3	Blade-Rotor



Engine and Frame Assembly

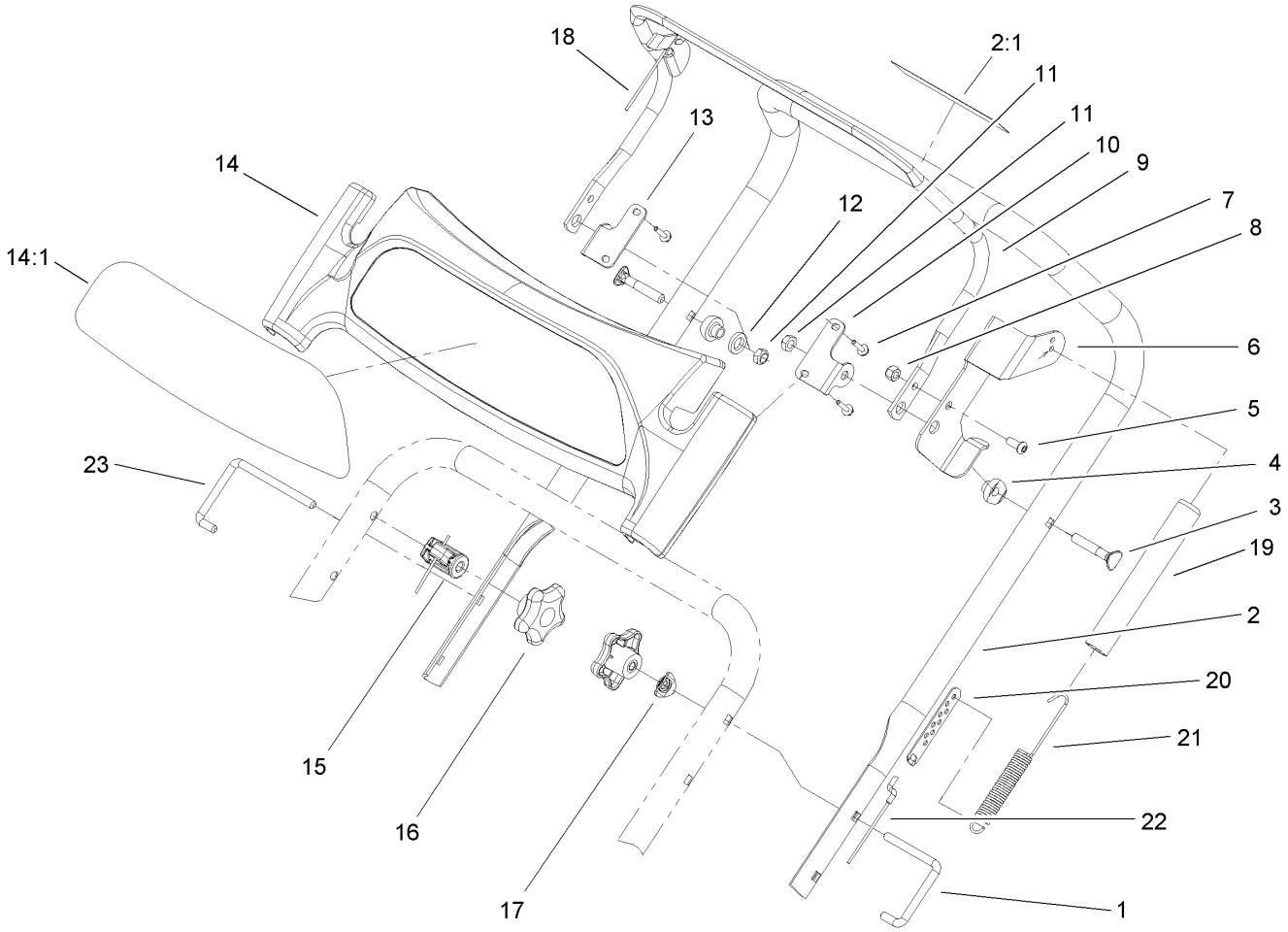
Ref	Part No.	Qty.	Description
1	105-3515-03	1	Support-Engine
2	322-3	3	Screw-HH
3	3296-42	4	Nut-Lock, NI
4	3256-22	2	Washer-Flat
5	100-9899-03	1	Support-Recoil
6	3290-456	7	Washer-Belleville
7	3296-42	1	Nut-Lock, NI
9	105-8953	1	Tank-Gas
10	55-9310	1	Seal-Foam
11	321-4	4	Screw-HH
12	2412-91	1	Clamp
❷❸13		1	Engine-Briggs And Stratton, 084333-0199-E1
14	94-9932	1	Hose-Fuel
15	56-6360	1	Filter-Fuel
16	2412-98	4	Clamp
17	49-2482	1	Line-Fuel
18	104-0878	1	Lever-Choke
19	32144-27	3	Screw
20	32144-44	3	Screw-HWH
21	104-0875-03	1	Brace-Engine
22	3296-29	3	Nut-Lock, NI
23	32144-97	1	Screw-PPH, Plastite
24	3256-14	1	Washer-Flat

Ref	Part No.	Qty.	Description
25	322-4	4	Screw-HH
26	104-4149	1	Conduit



Upper Shroud and Control Panel Assembly

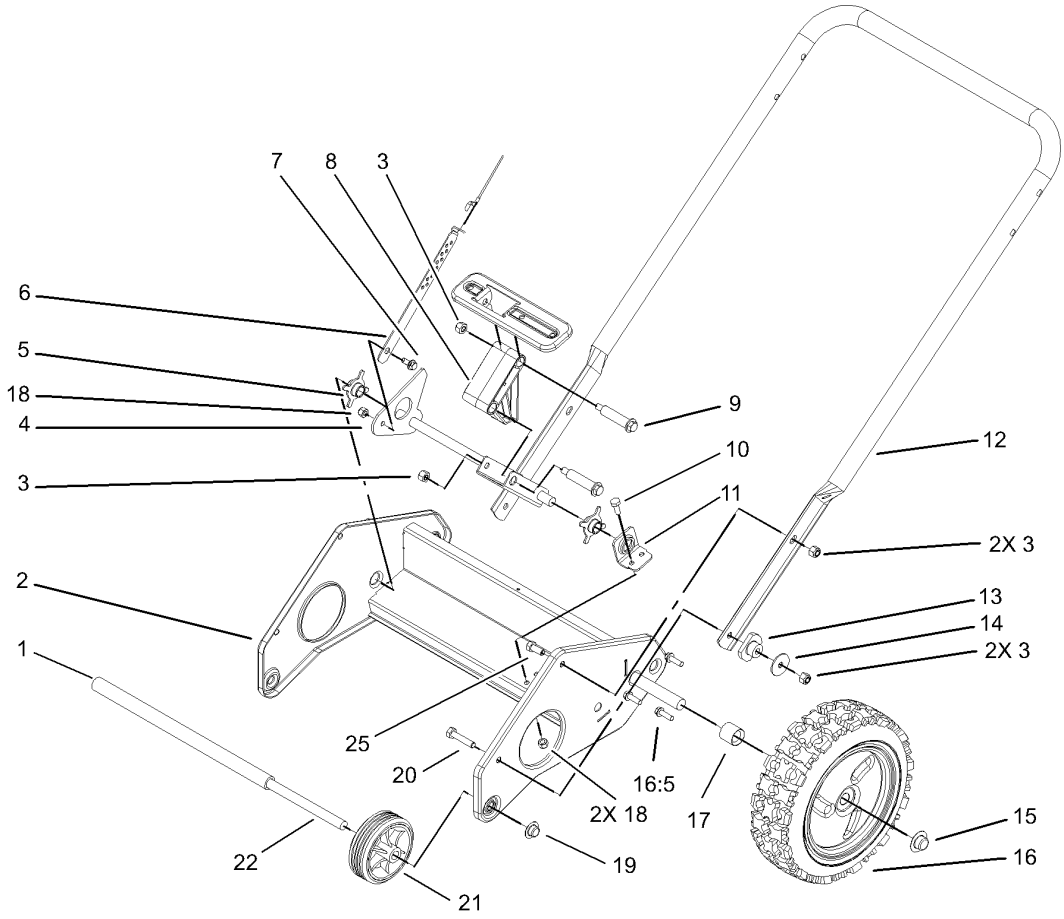
Ref	Part No.	Qty.	Description
1	3256-22	4	Washer-Flat
2	3250-32	2	Screw-PPH
3	104-4133	1	Gas Cap ASM
4	32144-112	2	Screw-HWH
5	55-9410	1	Guide-Rope, Starter
6	612824	1	Clip-Starter
7	612825	1	Handle-Start
8	66-7460	1	Bulb-Primer
9	44-2750	1	Body-Primer
10	40-5940	1	Switch
11	104-8661	1	Panel-Control Es,Ce
12	106-4736	1	Upper Shroud ASM
12:1:2	104-0860	1	Shield-Heat
12:1:3	94-4496	5	Screw-PPH
12:2	105-3543	1	Seal-Chute
12:3	55-9540-03	1	Retainer-Seal, Chute
12:4	3290-474	8	Palnut
12:5	106-4718	1	Decal-Shroud, Electric Start
13	95-1861	1	Hose-Primer
14	218-532	1	Connector-Body
15	63-8360	1	Key-Ignition
16	3296-42	2	Nut-Lock, NI
❶99	250-4	1	Tie-Cable



Upper Handle Assembly

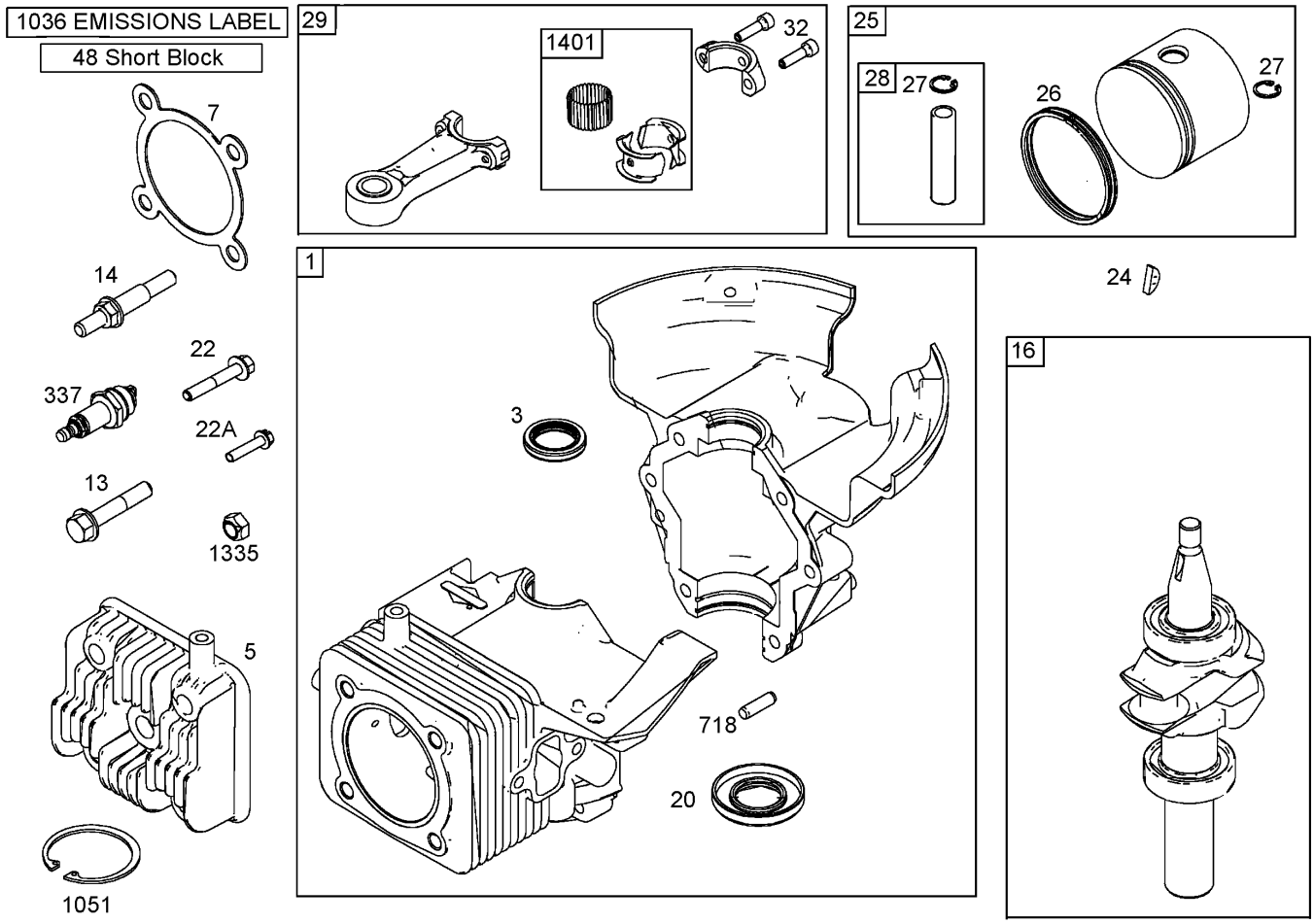
Ref	Part No.	Qty.	Description
1	98-2266	1	Lock-Handle
2	105-1991	1	Handle-Upper W/Decal
2:1	94-2577	1	Decal-Rotor Drive
3	92-2260	2	Screw-Handle
4	55-9340	2	Spacer-Bar, Control
5	3274-31	1	Screw-HSBH
6	100-9882-03	1	Arm-Clutch, Handle
7	98-1375	4	Screw-HWH
8	3296-42	1	Nut-Lock, NI
9	104-4104-03	1	Bar-Control
10	104-4100	1	Bracket-Panel, LH
11	3296-47	2	Nut-Lock, NI
12	55-9670	1	Washer
13	104-4101	1	Bracket-Panel, RH
14	106-4737	1	Display Handle Panel ASM
14:1	106-4716	1	Decal-Handle Display
15	100-9868	1	Guide-Pivot Cable
16	106-4161	2	Knob-Handle
17	107-3844	1	Washer
18	104-0895	1	Cable-Pivot
19	104-4145	1	Cover-Spring
20	71-5330	1	Adjuster-Cable, Clutch
21	104-0894	1	Spring-Cable
22	104-0896	1	Cable-Clutch

Ref	Part No.	Qty.	Description
23	104-4126	1	Lock-Handle, RH



Lower Handle Assembly

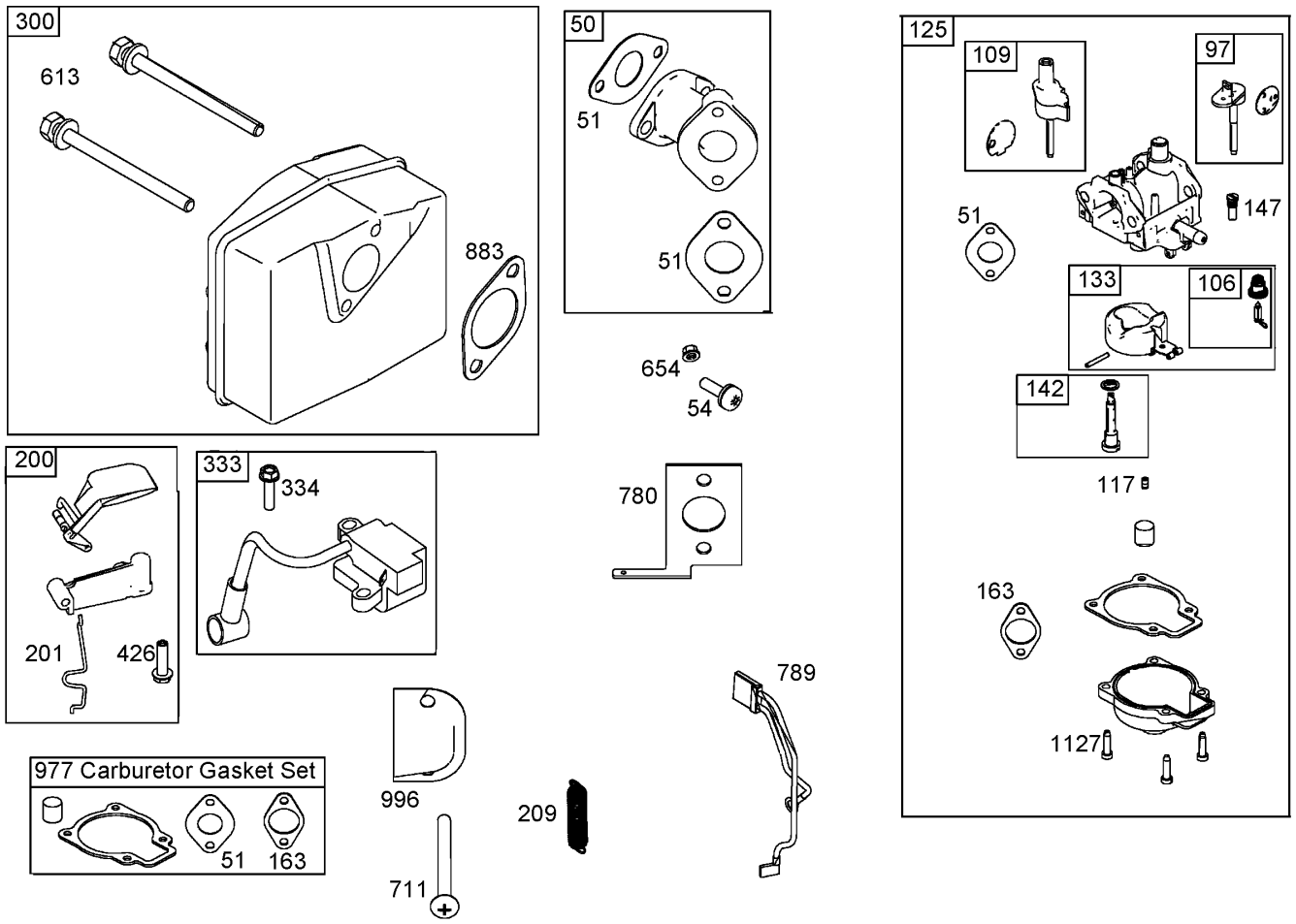
Ref	Part No.	Qty.	Description
1	100-9878	1	Spacer-Plastic
2	100-9887-03	1	Wheelframe ASM
3	3296-29	6	Nut-Lock, NI
4	104-0853	1	Pivot ASM
5	104-0855	2	Bushing-Rod, Pivot
6	104-0899	1	Adjuster-Cable, Pivot
7	104-4102	1	Screw-Shoulder
8	100-9896	1	Block-Pivot
9	100-9880	2	Bolt-Shoulder
10	321-4	2	Screw-HH
11	100-9879	1	Support-Rod, Pivot
12	100-9890-03	1	Handle-Lower
13	100-9883	2	Bushing-Pivot
14	3256-57	2	Washer-Flat
15	104-4111	2	Nut-Push
16	105-3549	2	Wheel ASM
16:5	46-8091	3	Screw-HWH
17	104-0892	2	Spacer-Axle, Rear
18	3296-42	3	Nut-Lock, NI
19	32112-14	2	Nut-Push
20	322-7	2	Screw-HH
21	100-9864	2	Tire And Wheel ASM
22	100-9875	1	Axle-Front
25	322-3	2	Screw-HH



Crankcase, Crankshaft, Cylinder Head, and Connecting Rod Assemblies Briggs and Stratton 084333-0199-E1

Ref	Part No.	Qty.	Description
❸1	801321	1	Cylinder ASM
❸3	801262	1	Seal-Oil
❸5	801283	1	Head-Cylinder
❸7	801263	1	Gasket-Head, Cylinder
❸13	801264	1	Screw (Cylinder Head)
❸14	801265	1	Stud (Cylinder Head)
❸16	801221	1	Crankshaft
❸20	801261	1	Seal-Oil
❸22	801266	1	Screw (Crankcase Cover And Sump)
❸22A	801271	1	Screw (Crankcase Cover And Sump)
❸24	801234	1	Key-Flywheel
❸25	801281	1	Piston ASM
❸26	801282	1	Ring Set
❸27	801275	1	Lock-Pin, Piston
❸28	801276	1	Pin-Piston
❸29	801277	1	Rod-Connecting
❸32	801278	1	Screw
❸48	801287	1	Short Block
❸337	801254	1	Plug-Spark
❸718	690959	1	Pin-Locating
❸1036	801295	1	Label-Emissions
❸1051	801274	1	Ring-Retaining

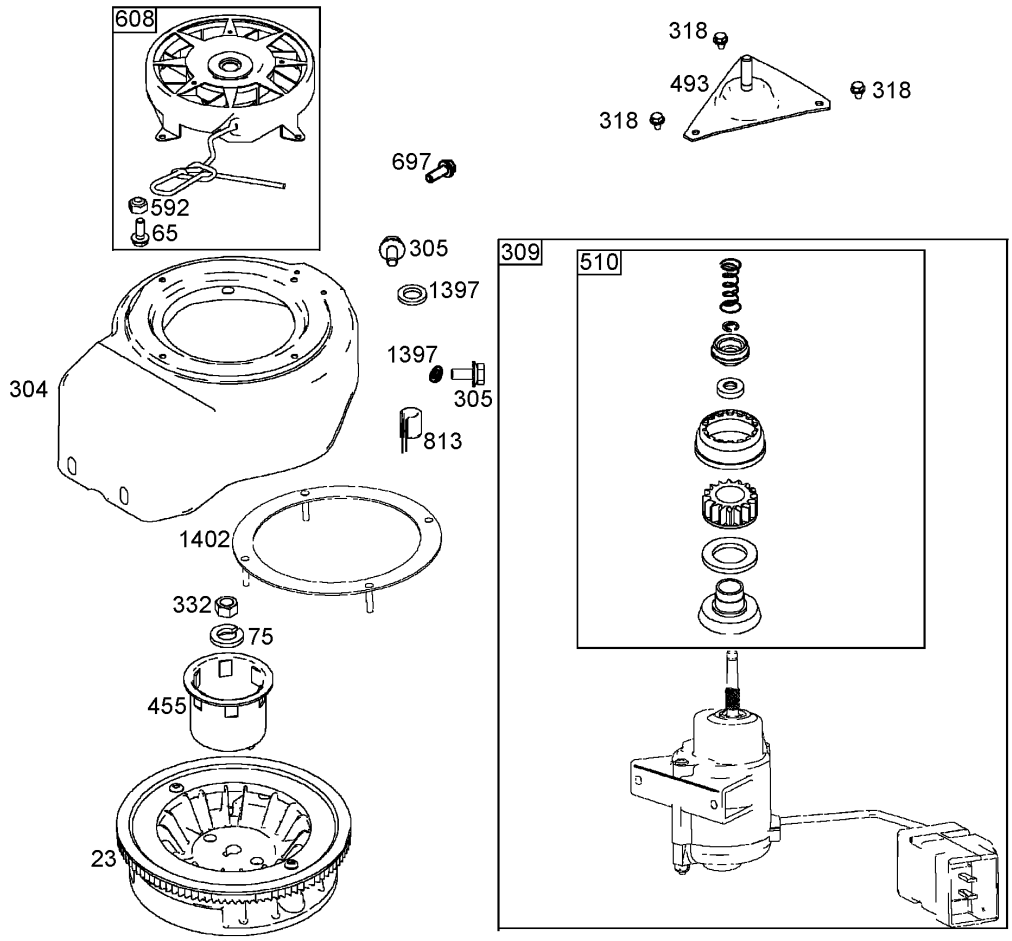
Ref	Part No.	Qty.	Description
❸1335	801269	1	Nut (Blower Housing)
❸1401	801290	1	Roller-Strip



Intake Manifold, Carburetor, and Muffler Assemblies
Briggs and Stratton 084333-0199-E1

Ref	Part No.	Qty.	Description
❸50	801232	1	Manifold-Intake
❸51	801224	1	Gasket-Intake
❸54	801230	1	Screw (Intake Manifold)
❸97	801306	1	Shaft-Throttle
❸106	801317	1	Seat-Inlet
❸109	801307	1	Shaft-Choke
❸117	801311	1	Jet-Main
❸125	801255	1	Carburetor
❸133	801316	1	Float-Carburetor
❸142	801313	1	Nozzle-Carburetor
❸147	801309	1	Jet-Pilot
❸163	801227	1	Gasket-Cleaner, Air
❸200	801289	1	Blade-Governor
❸201	801225	1	Link-Vane, Air
❸209	801223	1	Spring-Governor
❸300	801250	1	Muffler
❸333	801268	1	Armature-Magneto
❸334	801267	1	Screw
❸426	801231	1	Screw
❸613	801251	1	Screw
❸654	801324	1	Nut (Intake Manifold) (Used Before Engine Code Date 05042600)
❸711	801229	1	Screw

Ref	Part No.	Qty.	Description
❸780	801228	1	Anchor-Spring
❸789	801253	1	Wire ASM
❸883	801252	1	Gasket-Exhaust
❸977	801312	1	Gasket Set-Carburetor
❸996	801226	1	Shield-Carburetor
❸1127	801318	1	Screw



Flywheel, Blower Housing, and Starter Assemblies
Briggs and Stratton 084333-0199-E1

Ref	Part No.	Qty.	Description
❸23	801246	1	Flywheel
❸65	801243	1	Screw
❸75	801237	1	Washer
❸304	801236	1	Housing-Blower
❸305	801239	1	Screw (Blower Housing)
❸309	801247	1	Motor-Starter
❸318	801241	1	Screw
❸332	801238	1	Nut
❸455	801235	1	Cup-Flywheel
❸493	801240	1	Bracket-Mounting
❸510	801293	1	Drive-Starter
❸592	801244	1	Nut
❸608	801242	1	Starter-Rewind
❸697	801248	1	Screw (Starter Motor)
❸813	801249	1	Clamp
❸1397	801270	1	Washer (Blower Housing)
❸1402	801272	1	Ring-Support

NOTES


TORO®