



48cm Recycler[®] Rear Bagging Mower

Model No. 20828-210000001 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.

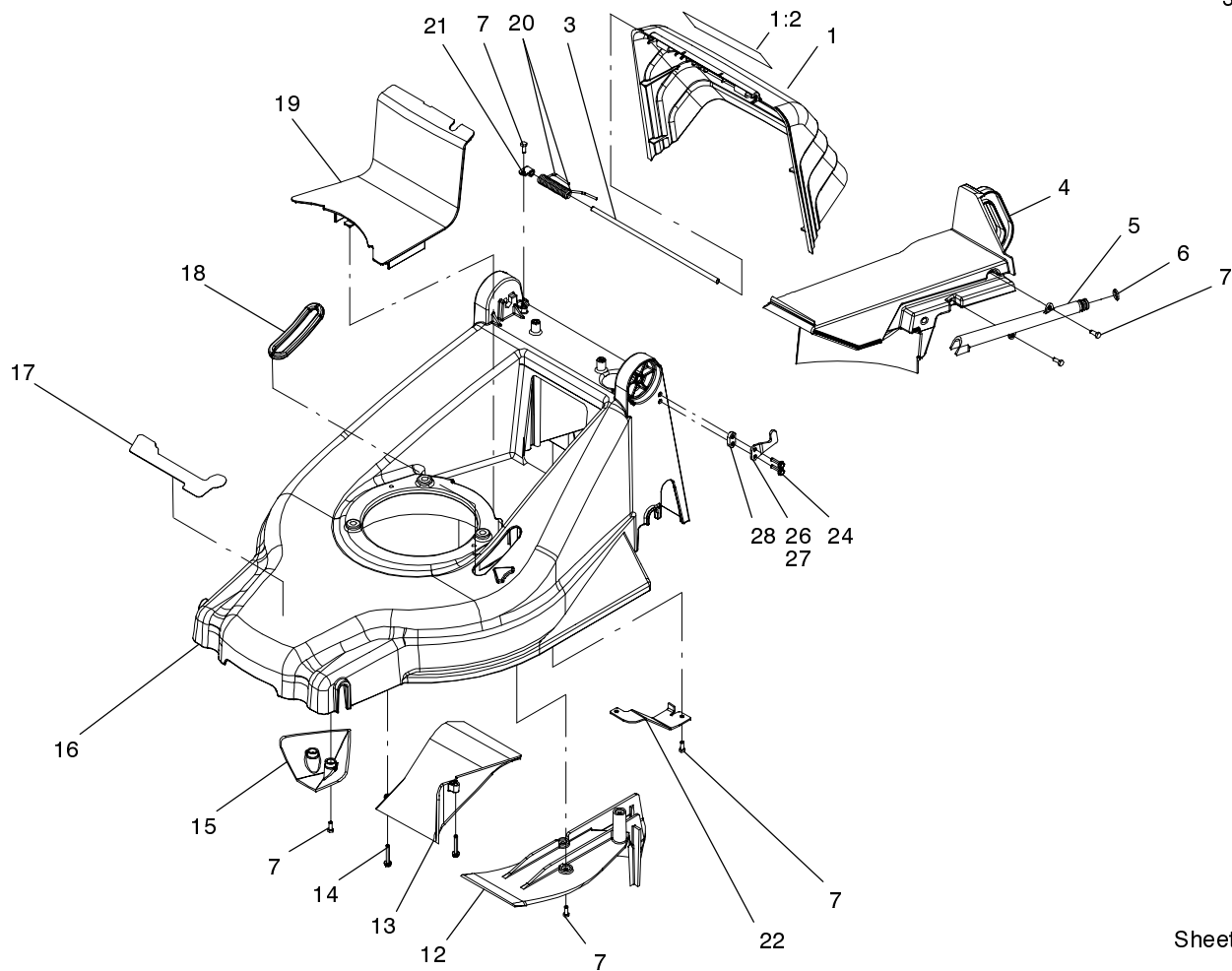
Contents

Description	Page	Description	Page
Deck, Kickers and Recycler Plug Assembly . . .	3	Sump and Crankshaft Assembly	12
Engine and Blade Assembly	4	Carburetor Assembly	13
HOC and Wheel Assembly	5	Governor and Ignition	14
SP Handle Assembly and Controls	6	Air Cleaner and Muffler	15
Rear Bagger Components	7	Flywheel and Blower Housing	16
Gearcase and Drive Assembly	8	Starter Assembly	17
Gearcase Assembly No. 104-7593	9	Gasket Kits	18
Cylinder Assembly	10	Fuel Tank Assembly	19
Cylinder Head Assembly	11		

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

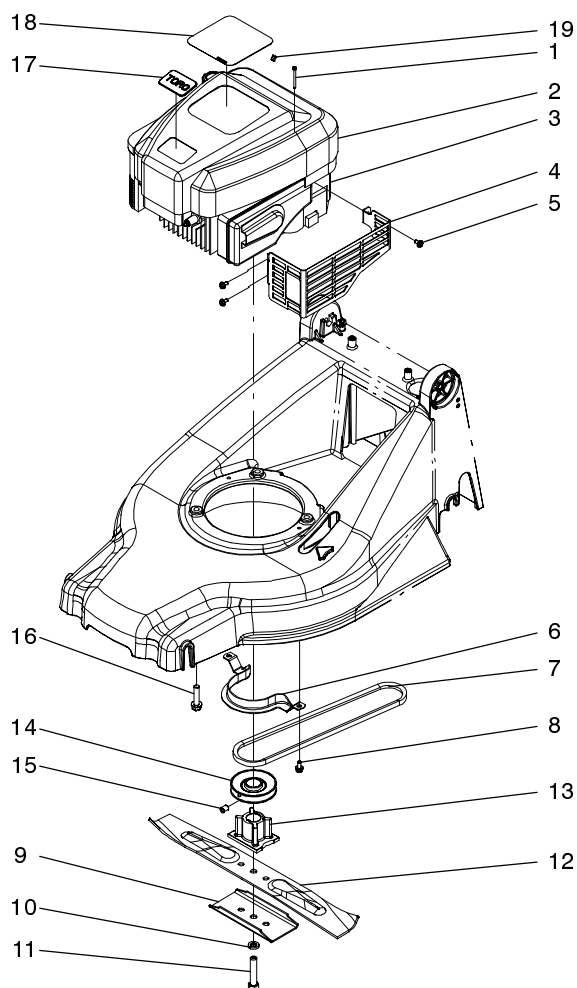
Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	SFH	slotted fillister head
HLH	hex lag head	SHH	slotted hex head
HJ	hex jam	SQH	square head
HOC	height-of-cut	SHWH	slotted hex washer head
HS	hex socket	SPH	slotted pan head
HSBH	hex socket button head	SRH	slotted round head
HSFH	hex socket flat head	STD	standard
HSH	hex socket head	TAP	self tapping
HWH	hex washer head	TTH	Torx truss head
HWHTF	hex washer head thread forming	WH	wing head



Sheet No.:2

Deck, Kickers and Recycler Plug Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-9115	1	Door-Decal ASM				
1:2	93-4105	1	Decal - Danger				
3	100-1509	1	Rod-Pivot, Door				
4	100-1505	1	Recycler-Plug, Kicker				
5	100-1522	1	Fitting-Washout				
6	46-6290	1	O-Ring				
7	32144-1	11	Screw-Taptite				
12	99-6486	1	Kicker-Cover, Rear				
13	100-1506	1	Ramp-Discharge				
14	100-4352	2	Screw-HWH				
15	99-6485	1	Kicker-Front				
16	104-7573-01	1	Deck				
17	100-4354	1	Decal-Recycler				
18	100-3932	1	Boot-HOC				
19	99-6479	1	Belt Cover				
20	104-7594	1	Spring-Torsion, Door				
21	98-2256	2	Clamp				
22	100-9123-03	1	Bracket - Deck				
24	100-4351	4	Screw-HWH				
26	104-7557-03	1	Hook-Left				
27	104-7558-03	1	Hook-Right				
28	104-7556-03	2	Spacer				
99	104-7579	1	48cm Deck				

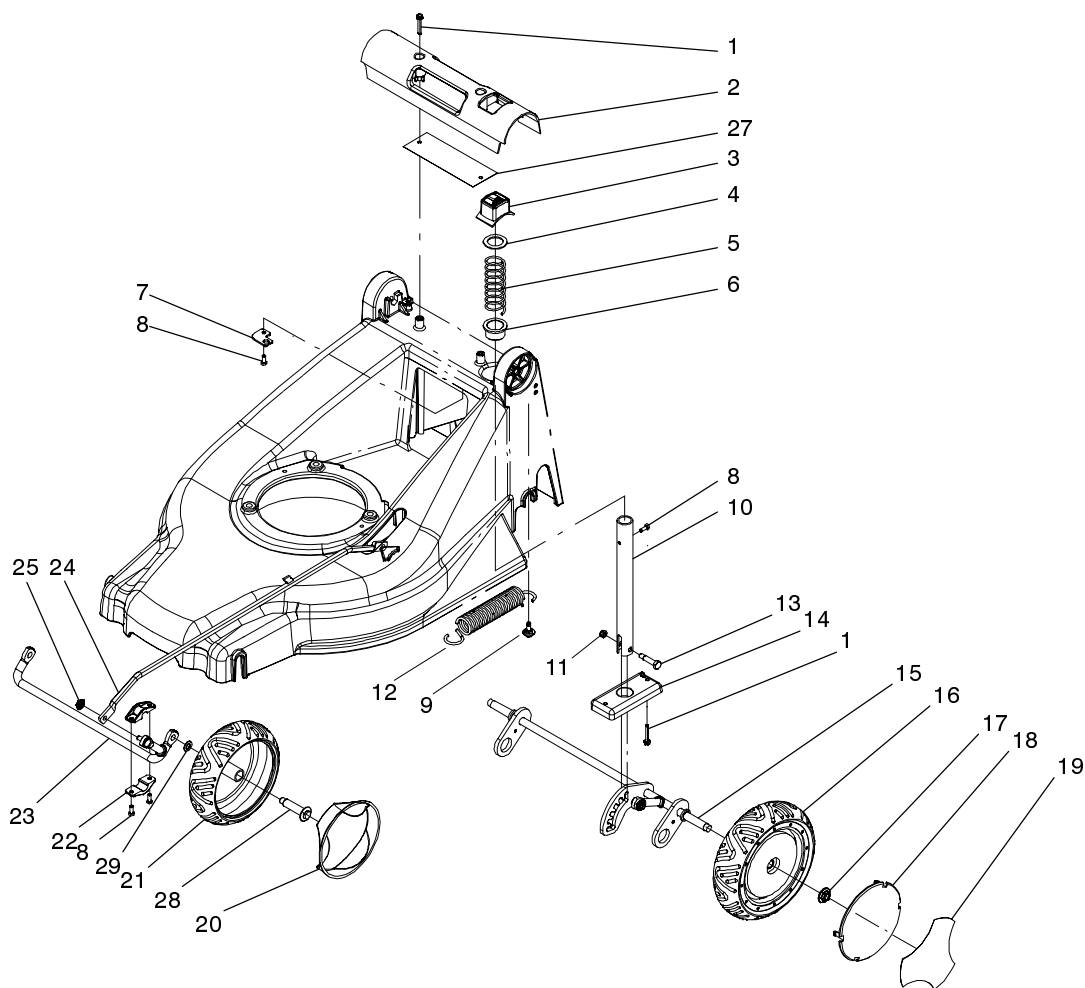


Sheet No.:3

Engine and Blade Assembly

Ref. No.	Part No.	Qty.	Description
3	100-4373	1	Engine-B & S (123602-0152-E1)
6	100-1523-03	1	Guide-Belt, Engine
7	93-0232	1	V-Belt
8	32144-4	2	Screw-HH
9	80-0510-03	1	Blade Stiffener
10	3253-22	1	Washer-Lock
11	100-4368	1	Bolt-Blade
12	71-9260-03	1	Blade - 48 Cm
13	99-6467	1	Retainer-Blade
14	100-1102	1	Pulley ASM
15	104-0214	1	Screw-Set,Cone Point
16	32144-102	3	Screw-HWH
17	92-2289	1	Plate-Logo
18	100-5951	1	Decal-Engine
19	2210-316	1	Stop-Rope
20	93-7198	1	Gas Cap ASM

Ref. No.	Part No.	Qty.	Description

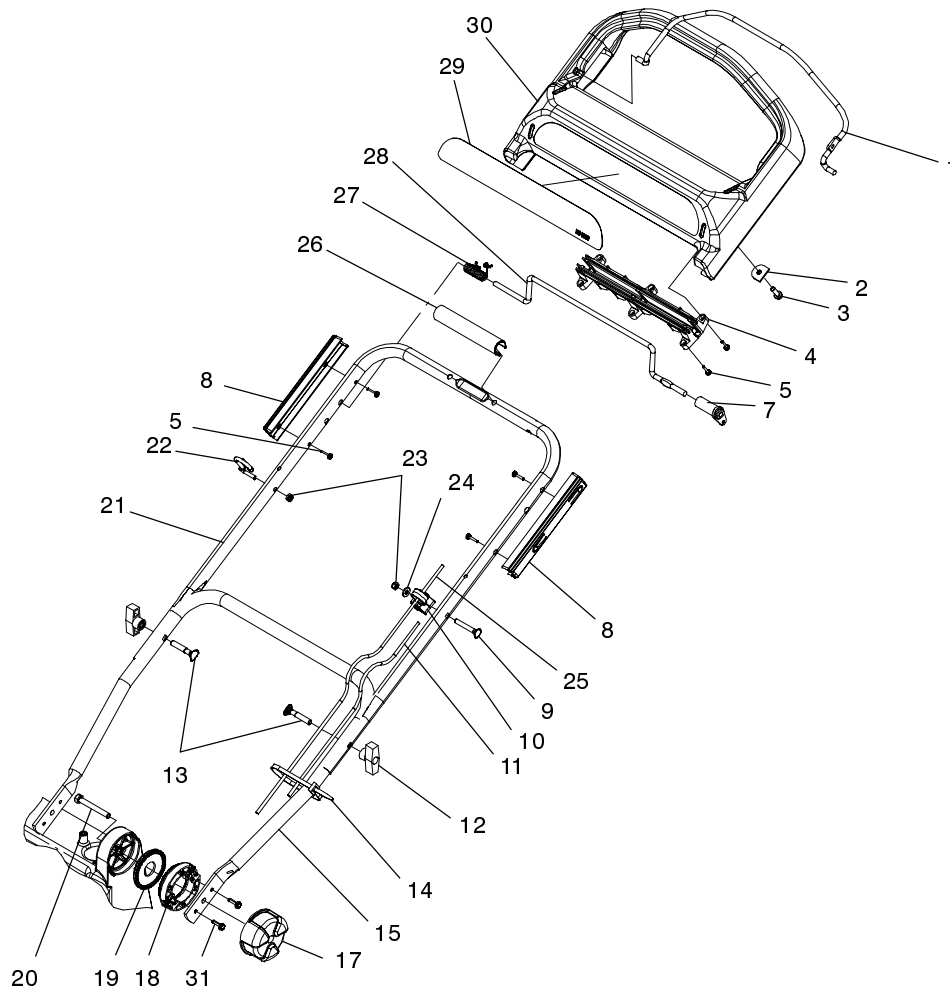


Sheet No.:4

HOC and Wheel Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-4352	4	Screw-HWH	23	104-7562	1	Axle-Front ASM
2	99-6487	1	Handle-Deck	24	100-9116	1	Rod-Decal ASM
3	99-6480	1	Button-HOC	*24:2	100-4355	1	Decal-HOC
4	88-7540	1	Washer - Backup	25	100-3939	2	Palnut
5	99-6481	1	Spring-Compression, HOC	27	100-4383-03	1	Cover-Handle
6	99-6483	1	Bushing-HOC	28	614650	2	Bolt-Shoulder
7	100-1525	1	Bracket-Traction Cable	29	40-1940	2	Washer
8	32144-1	6	Screw-Taptite				
9	92-9698	1	Screw-Shoulder				
10	99-6458	1	Pipe - HOC				
11	3296-73	1	Nut-Lock, NI				
12	100-4384	1	Spring-Extension, HOC				
13	99-6459	1	Bolt-Shoulder				
14	99-6460	1	Plate-Support, HOC				
15	99-6478	1	Axle-Rear ASM				
16	99-6471	2	Wheel ASM				
*16:1:2	27-6250	2	Bushing				
17	100-4370	2	Nut-Lock, Flanged				
18	100-4366	2	Cover-Smart Wheel				
19	100-9114	2	Decal-Smart Wheel				
20	95-6543	2	Cover - Wheel				
21	99-6470	2	Wheel ASM				
22	100-1500	4	Mount-Axle, Front				

* Not Illustrated

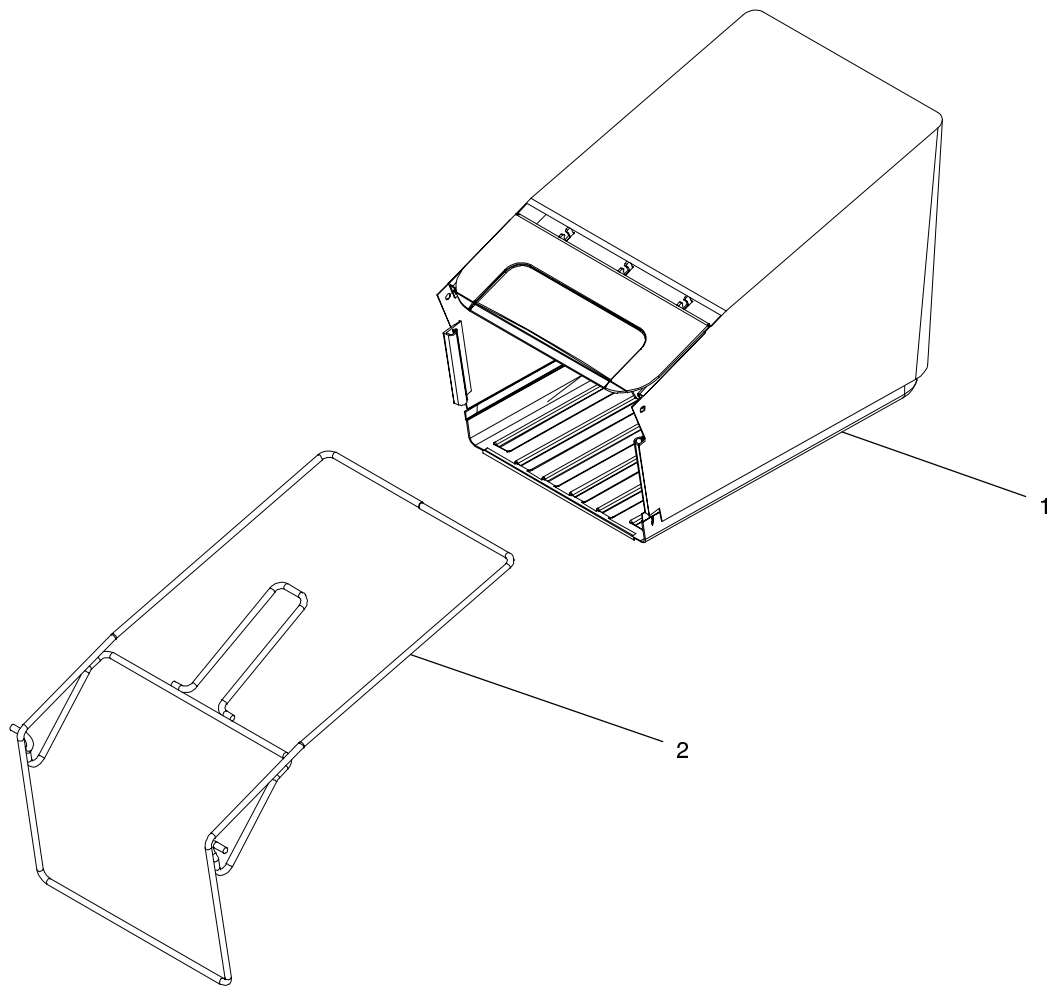


Sheet No.:5

SP Handle Assembly and Controls

Ref. No.	Part No.	Qty.	Description
1	99-1593-03	1	Bail-Brake
2	99-1595	1	Retainer-Cable, Brake
3	46-8091	1	Screw-HWH
4	99-6008	1	Retainer-Control Rod, Traction
5	94-4496	10	Screw-PPH
7	99-1589	1	Lever-Traction
8	99-1590	2	Guide-Handle, Control
9	95-4453	1	Screw-Handle
10	99-5239	1	Anchor-Cable
11	100-3936	1	Cable-Traction
12	98-7134	2	Knob-Handle
13	92-2260	2	Screw-Handle
14	3290-378	2	Tie-Cable
15	100-1502-05	1	Handle-Lower
17	100-4396	2	Adjusting Knob-Handle
18	104-7553-03	2	Disk-Adjusting, Handle
19	100-1517	2	Disk Holding-Handle
20	60-6690	2	Capscrew
21	99-1596-05	1	Handle-Upper
22	86-9671	1	Guide-Rope
23	3296-73	2	Nut-Lock, NI
24	3256-1	1	Washer-Flat
25	100-3937	1	Cable-Brake

Ref. No.	Part No.	Qty.	Description
26	100-5970	1	Cover-Handle
27	99-1592	1	Spring-Torsion, RH
28	99-1588	1	Bar-Control, Traction
29	100-5950	1	Decal-Automatic
30	99-1582	1	Handle-Control
31	100-4351	4	Screw #10 Hex Washer Hd .75lg



Sheet No.:8

Rear Bagger Components

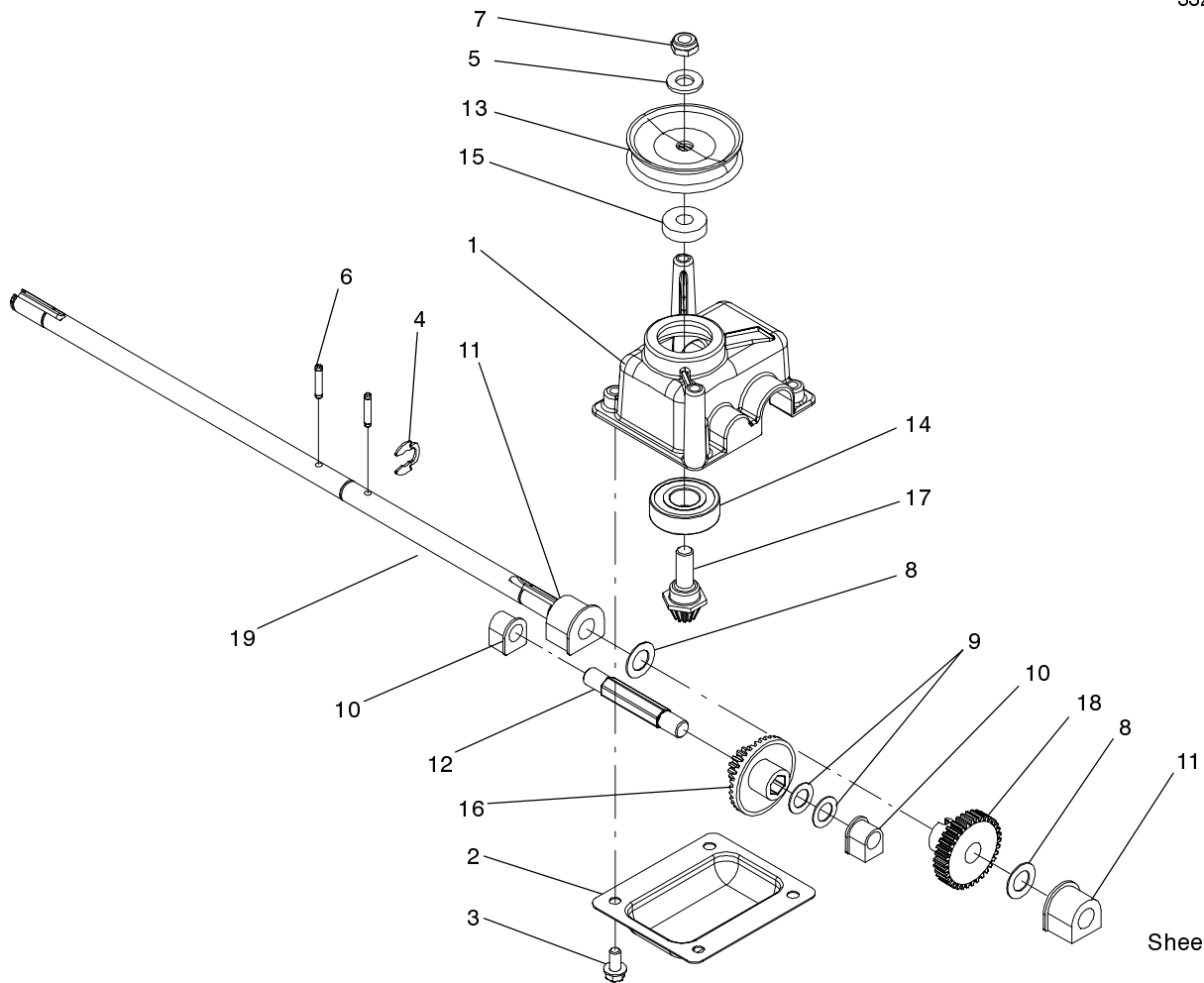
Ref. No.	Part No.	Qty.	Description
1	104-7578	1	Grass Bag ASM
2	104-7560-03	1	Frame-Bag ASM

Ref. No.	Part No.	Qty.	Description

Sheet No.:9

Ref. No.	Part No.	Qty.	Description

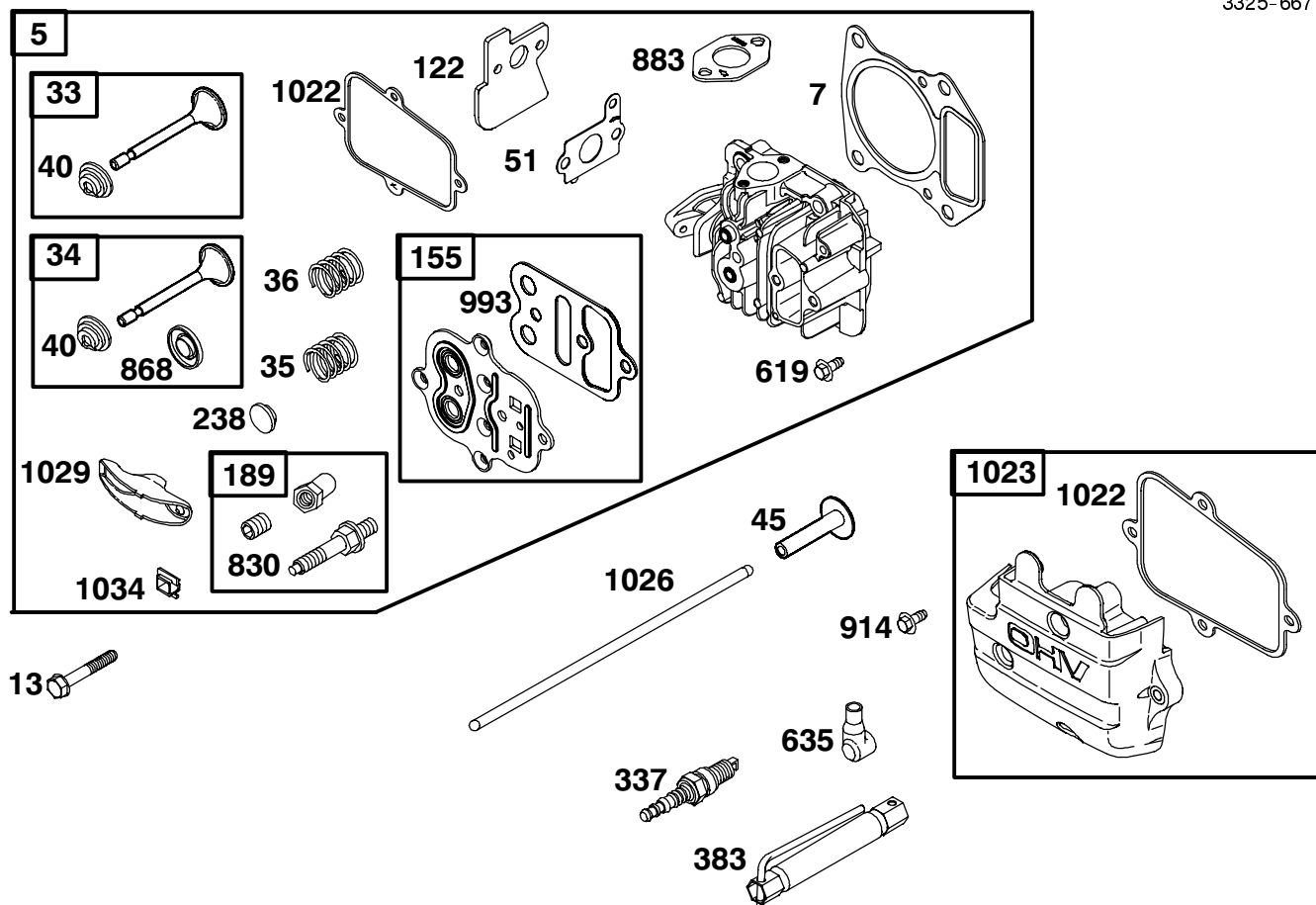
8



Sheet No.:A1

Gearcase Assembly No. 104-7593

Ref. No.	Part No.	Qty.	Description
1	104-7619	1	Casting-Gear Case
2	614668-03	1	Cover-Gear Case
3	32144-4	4	Screw-HH
4	32151-68	1	Ring-Retaining
5	3256-24	1	Washer-Flat
6	3285-19	2	Pin-Groove
7	3296-5	1	Nut-Lock NI
8	36-4780	2	Washer
9	36-4791	2	Washer-Thrust
10	60-8750	2	Bushing
11	60-8850	2	Bushing-Output
12	614696	1	Shaft-Intermediate
13	100-1176	2	Pulley-Half
14	100-1048	1	Bearing-Ball
15	62-6660	1	Spacer
16	104-7668	1	Gear-15t Spur,37t Bevel
17	104-7667	1	Gear-Pinion,Bevel
18	614596	1	Gear
19	100-1514	1	Shaft-Output



Assemblies include all parts shown in frames.

Sheet No.:3

Cylinder Head Assembly

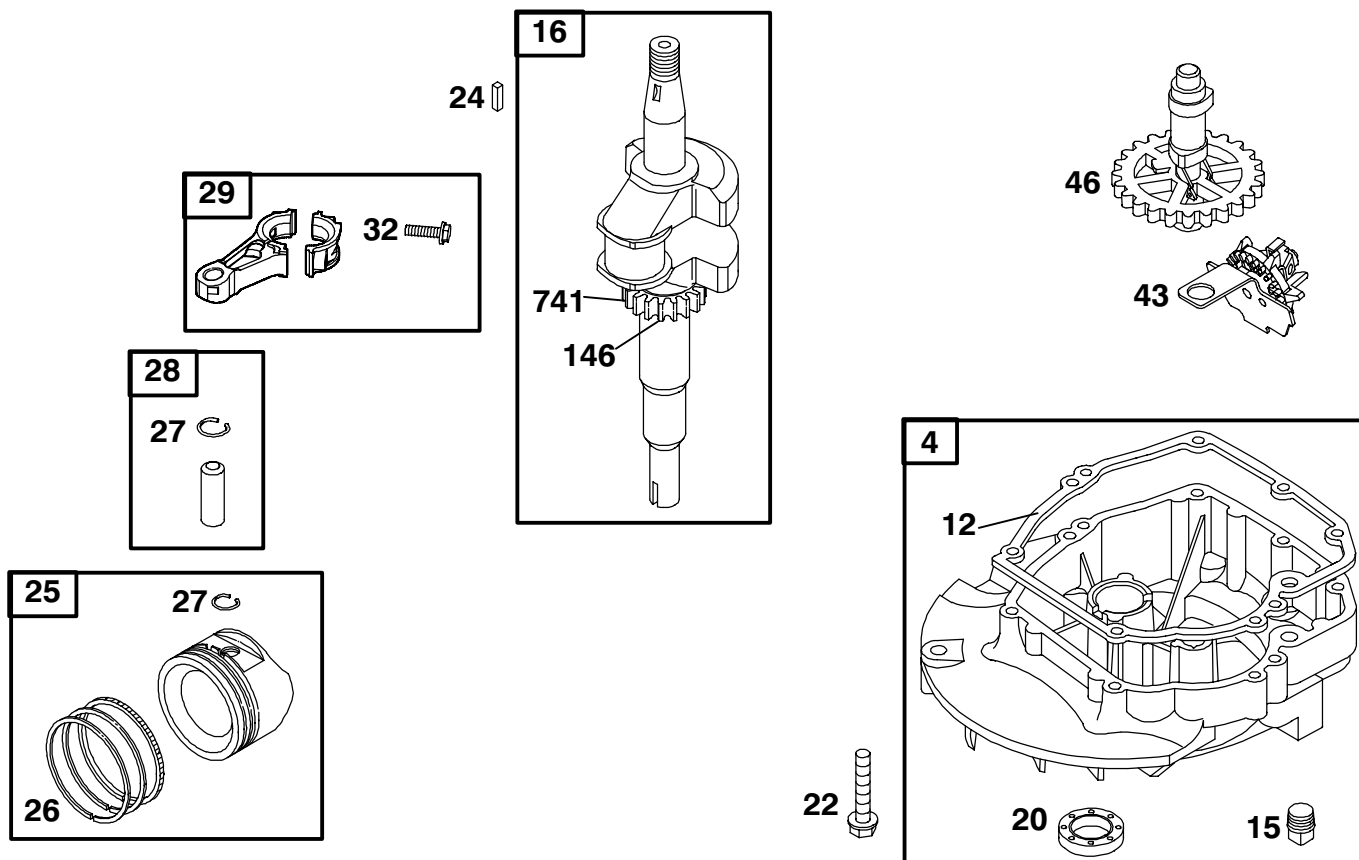
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
5	99-0929	1	Cylinder Head	★Δ993	99-6264	1	Gasket-Plate
★Δ7	99-0930	1	Gasket-Cylinder Head	51	99-0968	1	Gasket-Intake
13	99-0931	1	Screw-HH	◆♦♦Δ122	99-0978	1	Gasket-Intake
33	99-0932	1	Valve-Exhaust				
34	99-0933	1	Valve-Intake				
35	99-0934	1	Spring-Valve				
40	99-0935	1	Retainer-Spring, Valve				
45	99-0936	1	Tappet-Valve				
155	99-0938	1	Plate-Cylinder Head				
189	99-0939	1	Ball-Rocker Arm				
238	99-0940	1	Cap-Valve				
914	100-9147	1	Screw - Rocker Cover				
337	77-7330	1	Spark Plug				
383	99-0944	1	Wrench-Spark Plug				
635	77-9190	1	Elbow-Sparkplug				
830	99-0945	1	Stud-Rocker Arm				
619	99-0941	1	Screw-HH				
★Δ868	99-0946	1	Seal-Valve				
★Δ883	99-0947	1	Gasket-Exhaust				
36	99-0934	1	Spring-Valve				
★Δ1022	99-0907	1	Gasket-Cover, Rocker				
1023	98-9211	1	Cover-Rocker & Gasket				
1026	99-0949	1	Rod-Push				
1029	99-0950	1	Arm-Rocker				
1034	99-0951	1	Guide-Push, Rod				

★ Included in Engine Gasket Set-See Ref. 358

● Included in Carburetor Overhaul Kit-See Ref. 121

◆ Included in Carburetor Gasket Set-See Ref. 977

Δ Included in Valve Gasket Set-See Ref. 1095



Assemblies include all parts shown in frames.

Sheet No.:4

Sump and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
4	99-0952	1	Sump-Engine
★12	99-0953	1	Gasket-Crankcase
15	99-0954	1	Plug-Drain, Oil
16	98-9214	1	Crankshaft
24	77-8340	1	Key - Flywheel
★20	99-0955	1	Seal-Oil
22	99-0957	1	Key-Flywheel
25	99-0958	1	Piston ASM
26	99-0959	1	Ring Set
27	99-0960	1	Lock-Pin, Piston
28	99-0961	1	Pin-Piston
29	99-0962	1	Rod-Connecting
32	99-0963	1	Screw-Rod, Connecting
43	99-0964	1	Slinger-Oil, Governor
46	99-0965	1	Gear-Cam
146	99-0966	1	Key-Timing
741	99-0967	1	Gear-Timing

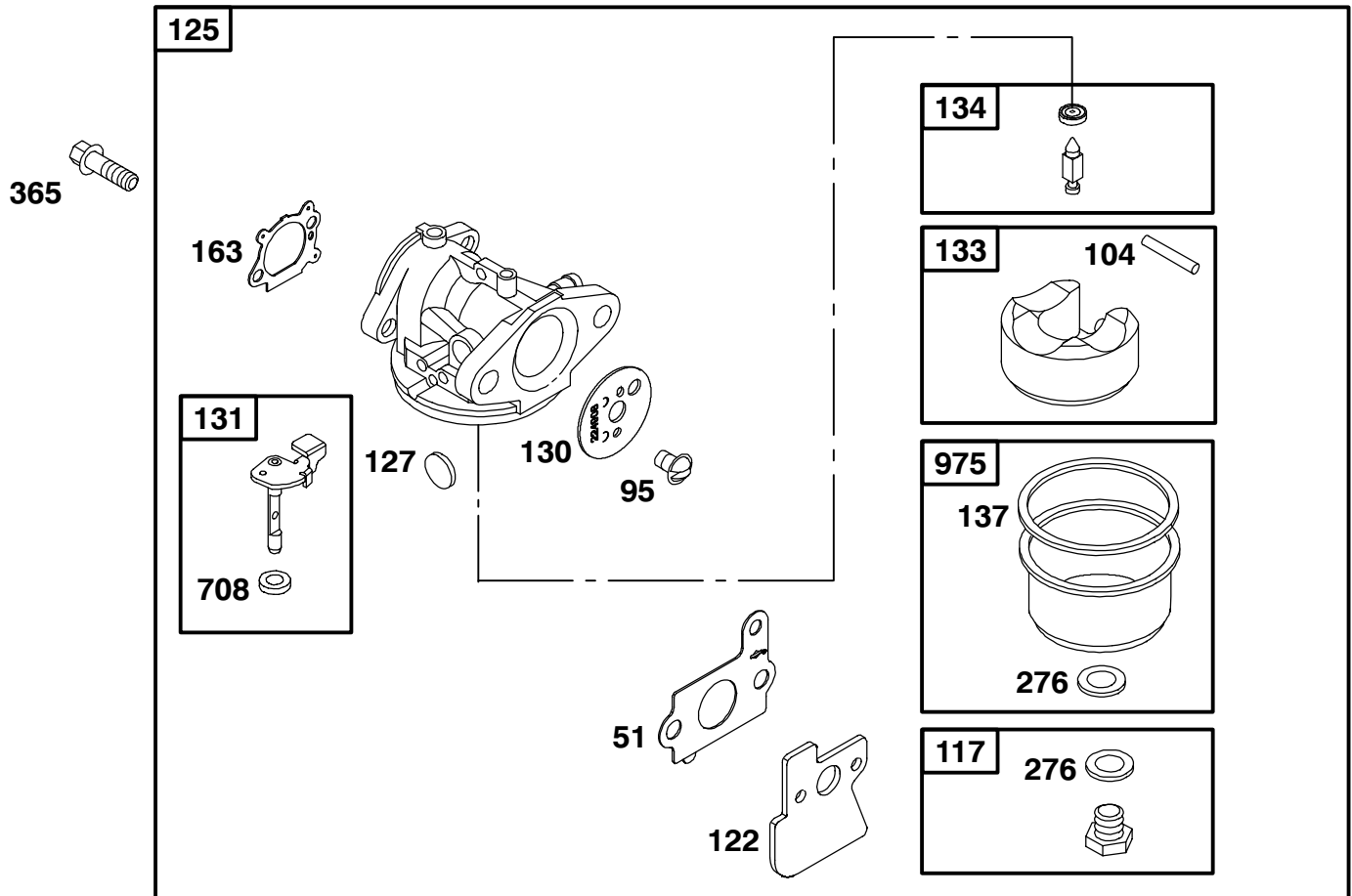
Ref. No.	Part No.	Qty.	Description

★ Included in Engine Gasket Set—See Ref. 358

- Included in Carburetor Overhaul Kit-See Ref. 121

◆ Included in Carburetor Gasket Set—See Ref. 977

Δ Included in Valve Gasket Set-See Ref. 1095



Assemblies include all parts shown in frames.

Sheet No.:5

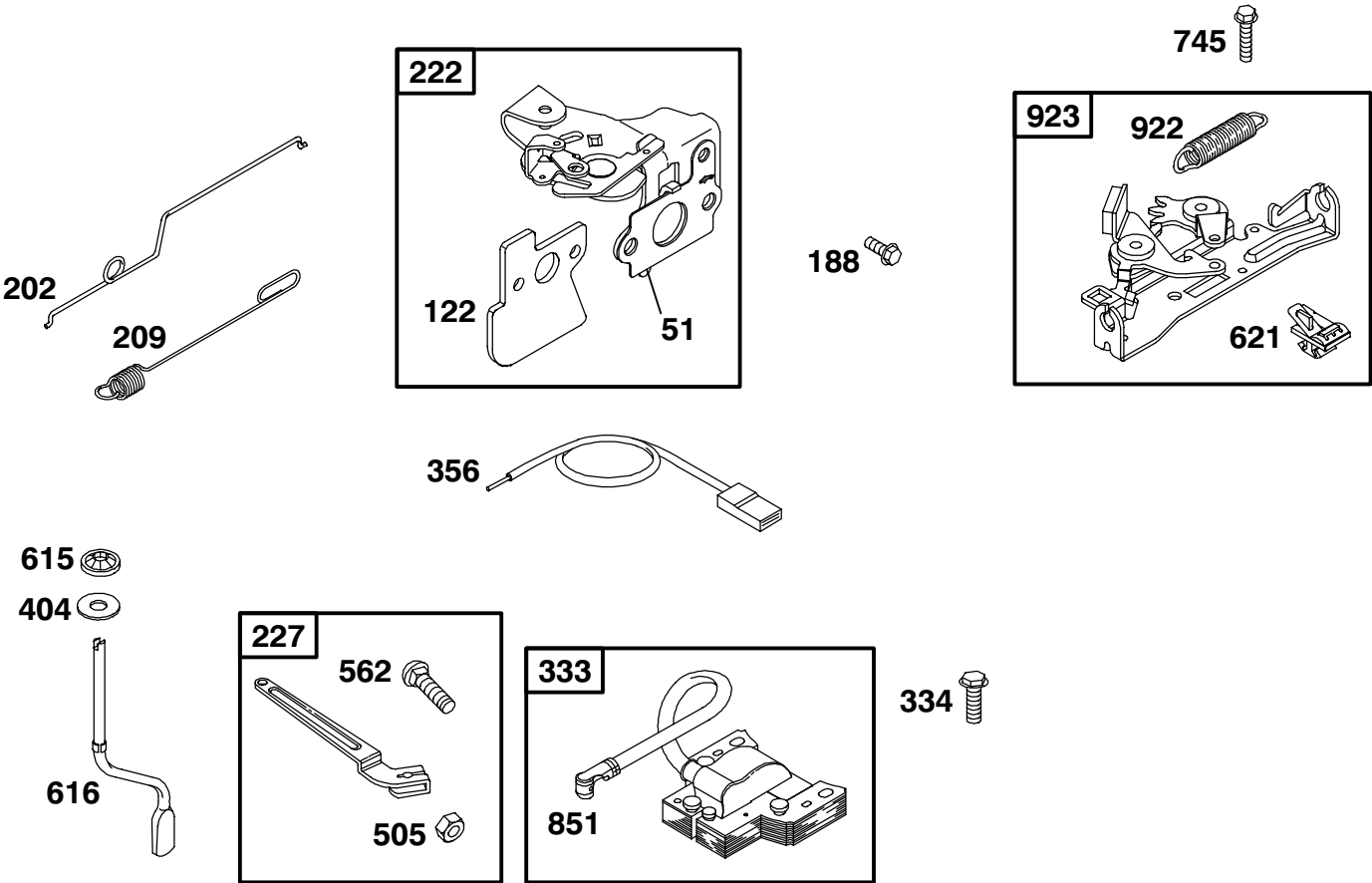
Carburetor Assembly

Ref. No.	Part No.	Qty.	Description
95	99-0969	1	Screw-SPH
●104	99-0970	1	Pin-Hinge, Float
117	99-0971	1	Jet-Main
●◆708	100-5037	1	Seal-Dust
125	99-0973	1	Carburetor
130	99-0974	1	Valve-Throttle
131	99-0975	1	Shaft-Throttle
●◆276	100-5038	1	Washer-Sealing
●134	77-8110	1	Valve - Float
*◆●163	99-0976	1	Gasket-Air Cleaner
975	99-0977	1	Bowl-Float
133	77-8170	1	Float-Carburetor
*◆●△51	99-0968	1	Gasket-Intake
365	99-0972	1	Shoulder Screw
*◆●△122	99-0978	1	Gasket-Intake
●127	100-9107	1	Plug-Welch
●◆137	104-7550	1	Gasket-Float Bowl

Ref. No.	Part No.	Qty.	Description

- ★ Included in Engine Gasket Set-See Ref. 358
- Included in Carburetor Overhaul Kit-See Ref. 121

- ◆ Included in Carburetor Gasket Set-See Ref. 977
- △ Included in Valve Gasket Set-See Ref. 1095



Assemblies include all parts shown in frames.

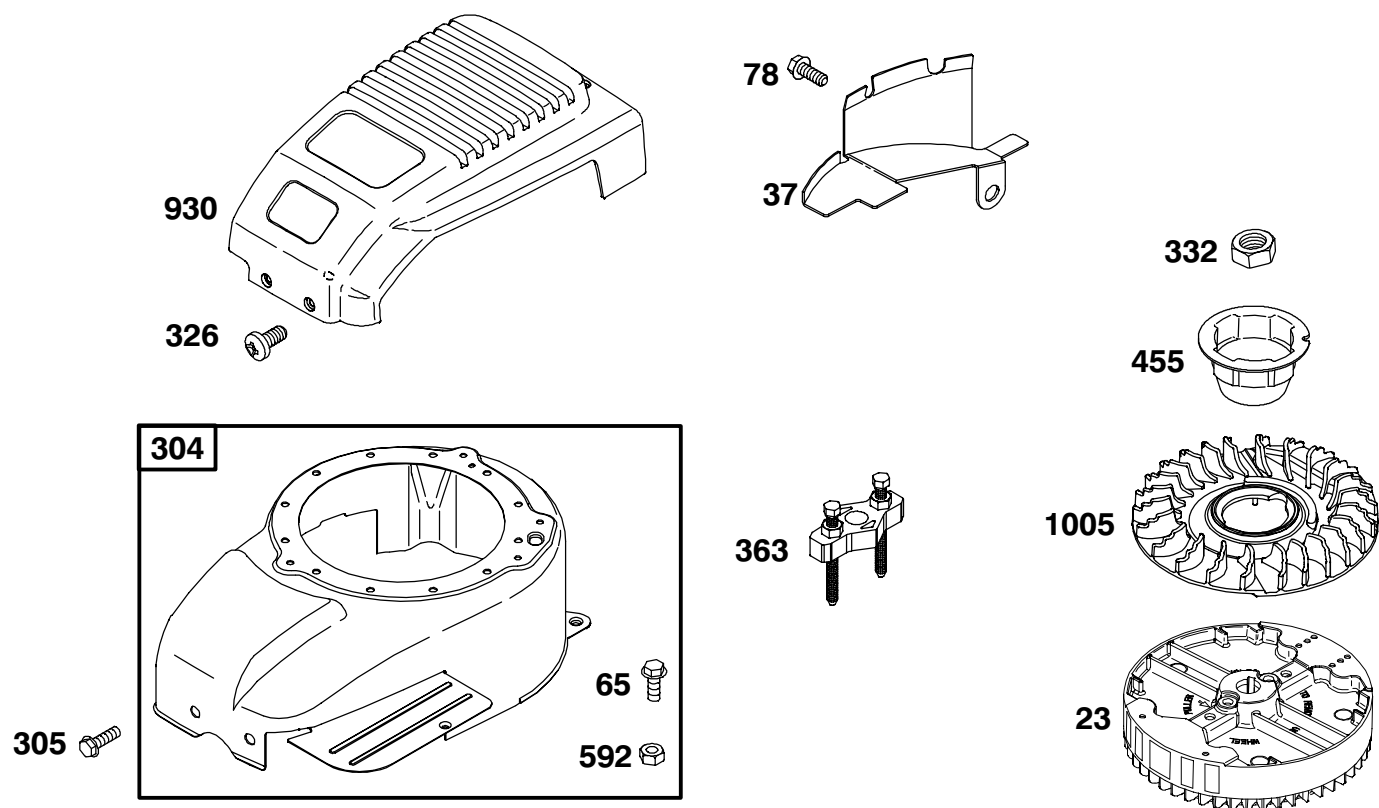
Sheet No.:6

Governor and Ignition

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
★◆△51	99-0968	1	Gasket-Intake				
★◆△122	99-0978	1	Gasket-Intake				
222	100-2891	1	Bracket-Control				
202	99-0981	1	Link-Governor				
188	100-5031	1	Screw-Control				
			Bracket				
745	99-0983	1	Screw-HH				
356	99-1007	1	Wire-Stop				
334	99-1006	1	Screw-HH				
851	77-9450	1	Terminal - Spark Plug				
333	99-1005	1	Armature-Magneto				
922	99-0987	1	Spring-Brake				
923	99-0988	1	Brake Assembly				
621	99-0986	1	Switch-Stop				
227	99-0917	1	Lever ASM-Governor				
404	99-0918	1	Washer-Crank, Governor				
562	99-0921	1	Screw-HH				
505	99-0924	1	Nut-Hex				
615	99-0925	1	Fastener				
616	99-0926	1	Crank-Governor				
209	99-0982	1	Spring-Governor				
1119	104-7551	1	Screw-Alternator				

★ Included in Engine Gasket Set-See Ref. 358
● Included in Carburetor Overhaul Kit-See Ref. 121

◆ Included in Carburetor Gasket Set-See Ref. 977
△ Included in Valve Gasket Set-See Ref. 1095



Assemblies include all parts shown in frames.

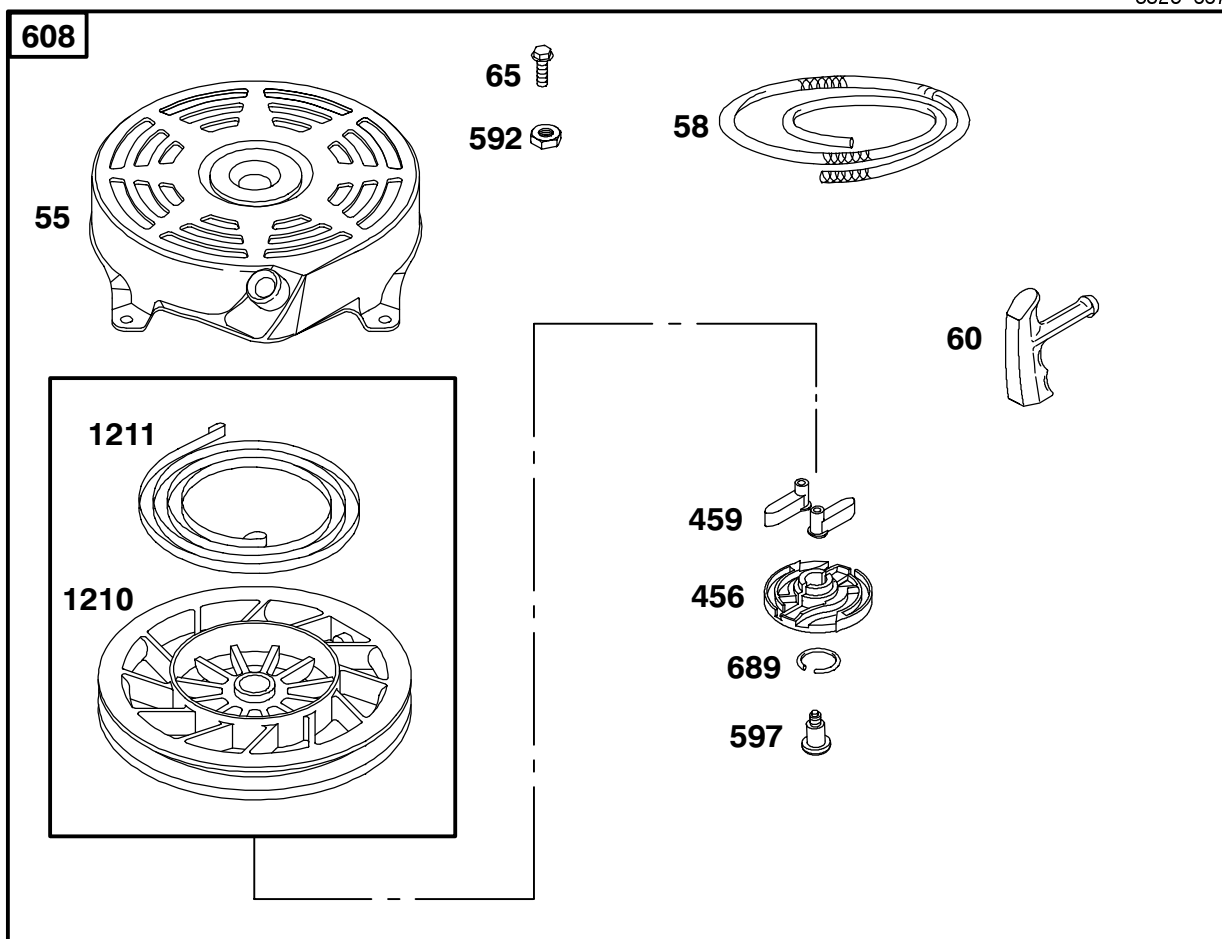
1036 EMISSIONS LABEL

Sheet No.:8

Flywheel and Blower Housing

Ref. No.	Part No.	Qty.	Description
23	99-1001	1	Flywheel
332	94-1673	1	Nut - Flywheel
65	99-1002	1	Screw-HH
304	99-1003	1	Housing-Blower
930	98-9203	1	Guard, Rewind
1036	99-1016	1	Kit-Label, Emissions
1005	99-1015	1	Fan-Flywheel
326	98-9204	1	Screw-Shroud
363	99-1008	1	Puller-Flywheel
592	99-1009	1	Nut-Hex
455	99-1010	1	Cup-Flywheel
305	99-0941	1	Screw-HH
37	99-0905	1	Guard-Flywheel
78	99-0941	1	Screw-HH

Ref. No.	Part No.	Qty.	Description



Assemblies include all parts shown in frames.

Sheet No.:9

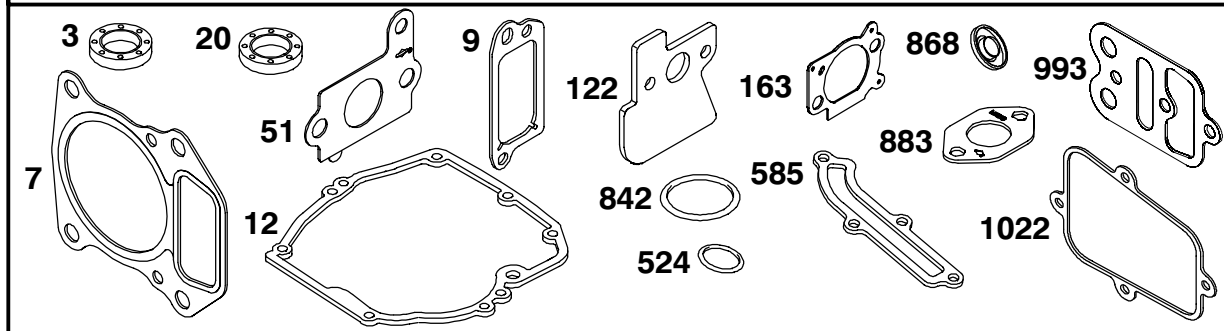
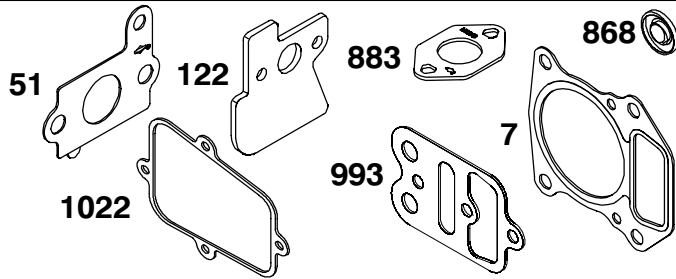
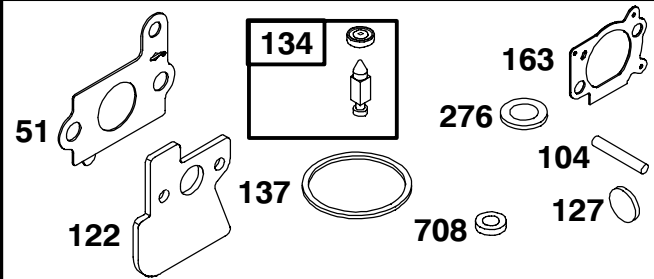
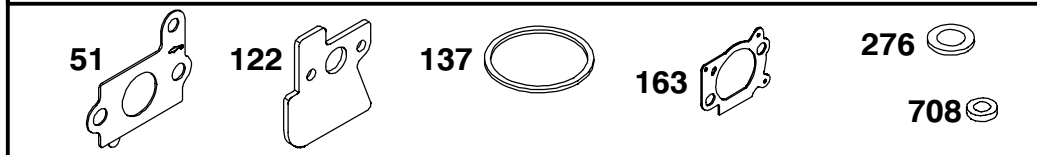
Starter Assembly

Ref. No.	Part No.	Qty.	Description
55	99-1048	1	Housing-Starter
65	99-1002	1	Screw-HH
58	94-1668	1	Rope - Starter
592	100-9149	1	Nut (Rewind Starter)
60	77-8510	1	Handle - Rewind Starter
1210	94-1657	1	Pulley - Rewind Starter
1211	94-1657	1	Pulley - Rewind Starter
456	94-1659	1	Retainer-Rewind Starter
459	94-1654	1	Pawl - Starter
597	94-1660	1	Screw - Shoulder
689	94-1655	1	Spring - Torsion
608	98-9215	1	Assembly - Rewind

Ref. No.	Part No.	Qty.	Description

- ★ Included in Engine Gasket Set-See Ref. 358
- Included in Carburetor Overhaul Kit-See Ref. 121

- ◆ Included in Carburetor Gasket Set-See Ref. 977
- △ Included in Valve Gasket Set-See Ref. 1095

358 ENGINE GASKET SET**1095 VALVE GASKET SET****121 CARBURETOR OVERHAUL KIT****977 CARBURETOR GASKET SET**

Sheet No.:10

Gasket Kits

Ref. No.	Part No.	Qty.	Description
★3	99-0912	1	Oil Seal
★Δ7	99-0930	1	Gasket-Cylinder Head
★9	99-0913	1	Gasket-Breather
★12	99-0953	1	Gasket-Crankcase
1095	100-5033	1	Valve Overhaul Gasket Set
●104	99-0970	1	Pin-Hinge, Float
977	100-5034	1	Gasket Set-Carburetor
358	100-5035	1	Engine Overhaul Gasket Set
●134	77-8110	1	Valve - Float
121	100-5036	1	Carburetor Kit
●◆708	100-5037	1	Seal-Dust
●◆276	100-5038	1	Washer-Sealing
★Δ868	99-0946	1	Seal-Valve
★Δ883	99-0947	1	Gasket-Exhaust
★842	77-7270	1	O-Ring
★524	77-7300	1	O-Ring
★Δ1022	99-0907	1	Gasket-Cover, Rocker
★◆Δ122	99-0978	1	Gasket-Intake
★585	99-0925	1	Fastener
★Δ993	99-0948	1	Plate Gasket
★20	99-0955	1	Seal-Oil
★◆Δ51	99-0968	1	Gasket-Intake
◆Δ163	99-0976	1	Gasket-Air Cleaner

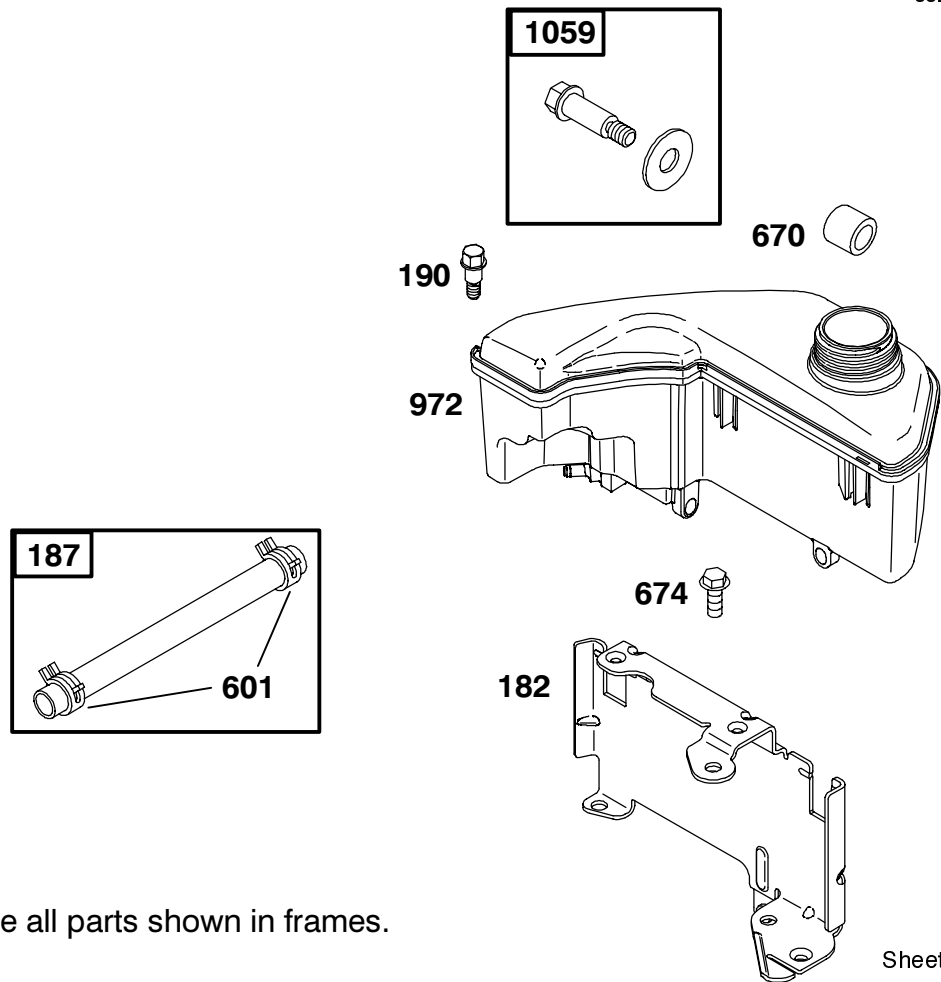
Ref. No.	Part No.	Qty.	Description
●127	100-9107	1	Plug-Welch
●◆137	104-7550	1	Gasket-Float Bowl

★ Included in Engine Gasket Set-See Ref. 358

● Included in Carburetor Overhaul Kit-See Ref. 121

◆ Included in Carburetor Gasket Set-See Ref. 977

Δ Included in Valve Gasket Set-See Ref. 1095



Assemblies include all parts shown in frames.

Sheet No.:12

Fuel Tank Assembly

Ref. No.	Part No.	Qty.	Description
601	78-4690	1	Clamp-Hose
674	98-9202	1	Screw-Tank Bracket
182	98-9205	1	Bracket-Fuel Tank
187	99-0992	1	Fuel Line
1059	99-0993	1	Screw-Shoulder
190	99-0994	1	Screw-HH
670	99-0997	1	Spacer-Fuel Tank
972	99-1000	1	Tank-fuel

Ref. No.	Part No.	Qty.	Description

- ★ Included in Engine Gasket Set-See Ref. 358
- Included in Carburetor Overhaul Kit-See Ref. 121

- ◆ Included in Carburetor Gasket Set-See Ref. 977
- △ Included in Valve Gasket Set-See Ref. 1095

