FORM NO. 3311-820

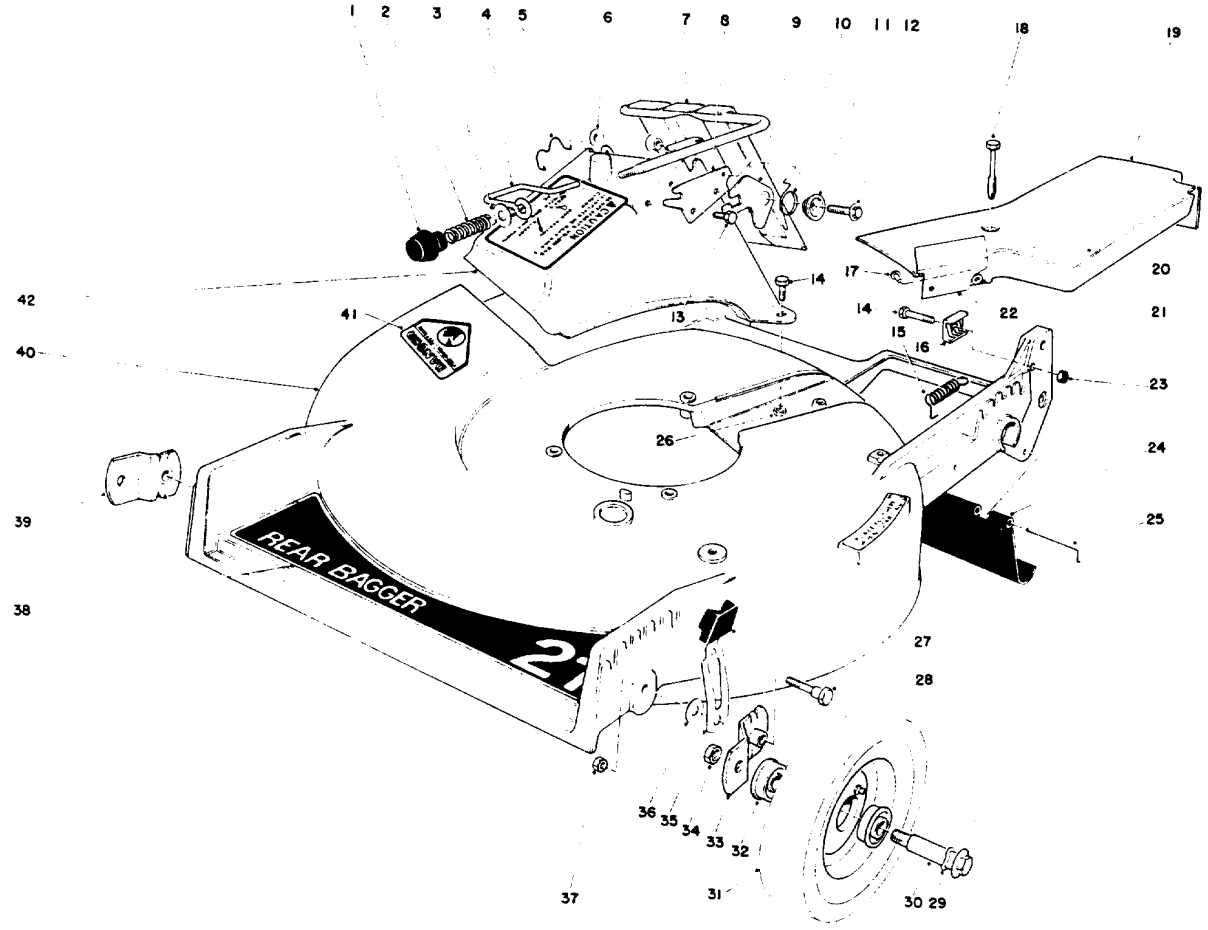
TORO®

MODEL NO. 10502-1000001 & UP

PARTS CATALOG

21" S.P. REAR BAGGER

WITH BLADE BRAKE CLUTCH



HOUSING ASSEMBLY

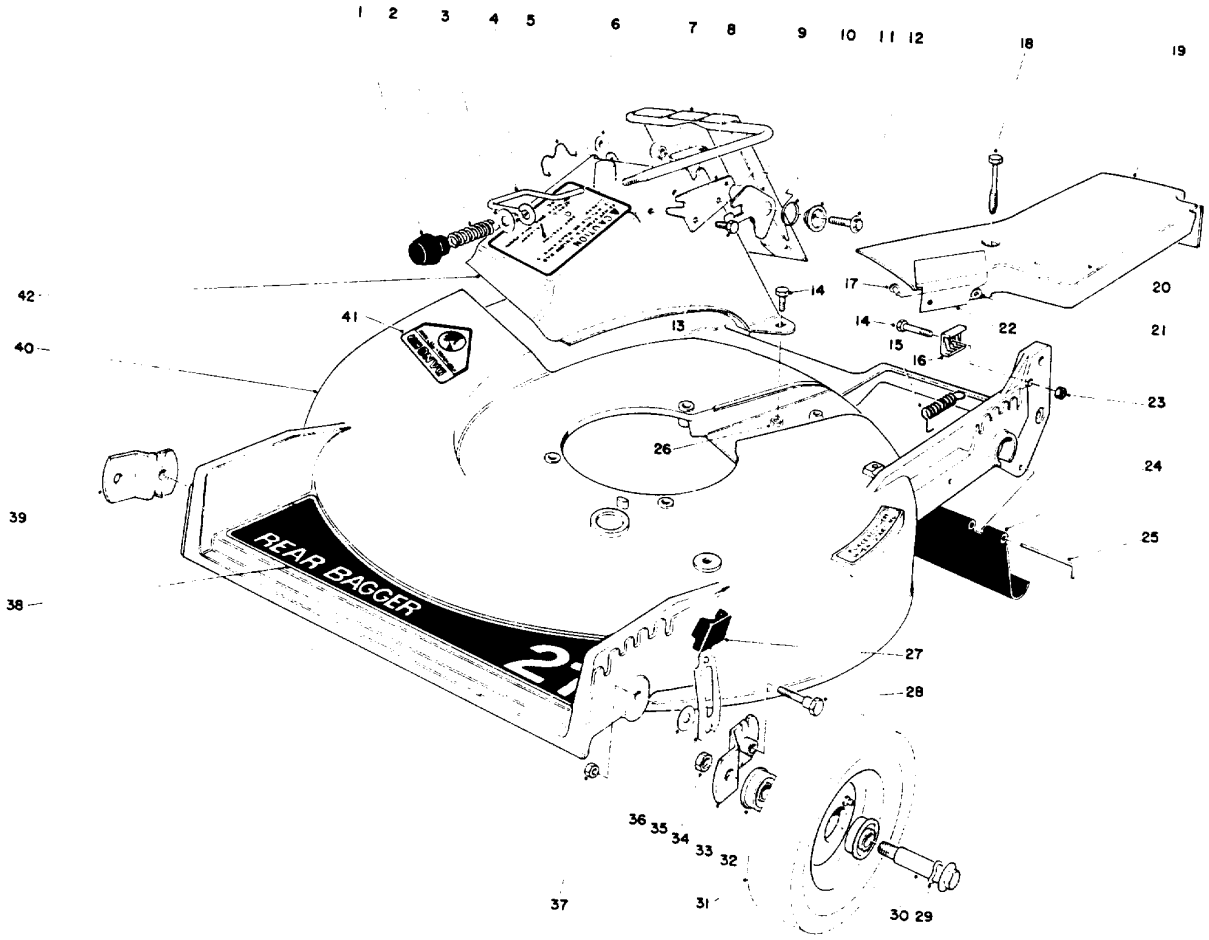
Ref. No.	Part No.	Description	No. Used
1	233-37	Knob	1
2	23-0920	Spring	1
3	3256-25	Washer	1
4	23-0940	Door Latch	1
5	33-4830	Door Retainer	1
6	23-0880	Bushing	2
7	33-5660	Door Handle	1
8	23-1040	Latch Plate	1
9	42-4010	Safety Latch	1
10	33-4860	Torsion Spring	1
11	23-1180	Spacer-Latch	1
12	11-9760	Thread Forming Screw	1
13	32104-17	Hex Hd. Self Tapping Screw	1
14	321-7	Capscrew	3
15	38-0040	Spring	1

Ref. No.	Part No.	Description	No. Used
16	29-9550	Cable Clamp	1
17	3295-35	Rivet	2
18	37-7260	Screw	2
19	38-8741	Belt Cover Assembly	1
20	3311-299	Greasing Sticker	1
21	3256-14	Washer	2
22	38-8730	Heat Shield	1
23	3218-1	Jam Nut	1
24	29-9180	Rear Shield	1
25	33-3203	Rod-Shield	1
26	3296-42	Locknut	2
27	25-7740	Knob-Arm	2
28	25-3440	Pivot Screw	2
29	3290-393	Wave Washer	2
30	3-2652	Wheel Bolt	2

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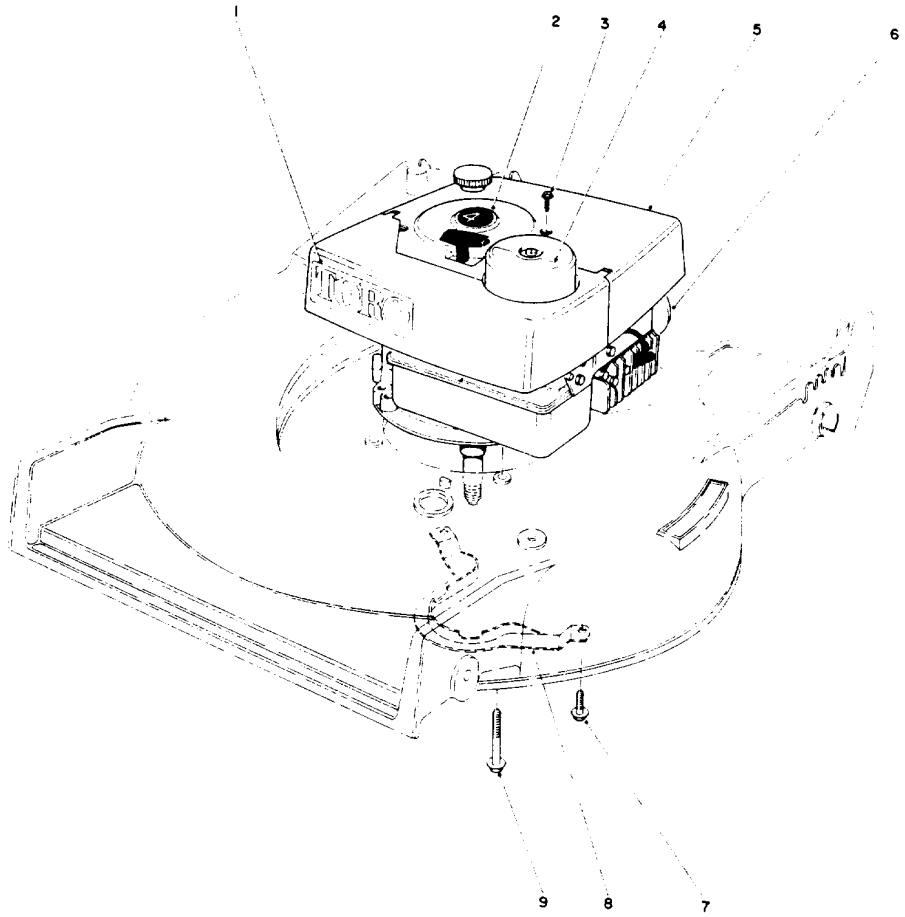
PRICE $1.00



HOUSING ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
31	38-6000	Wheel & Tire Assembly (Incl. Ref. # 32)	2
32	251-180	Bearing	4
33	24-7710	Pivot Arm "A"	1
34	32146-6	Nut	2
35	33-4850	Spring Arm	2
36	5-4460	Pivot Washer	2

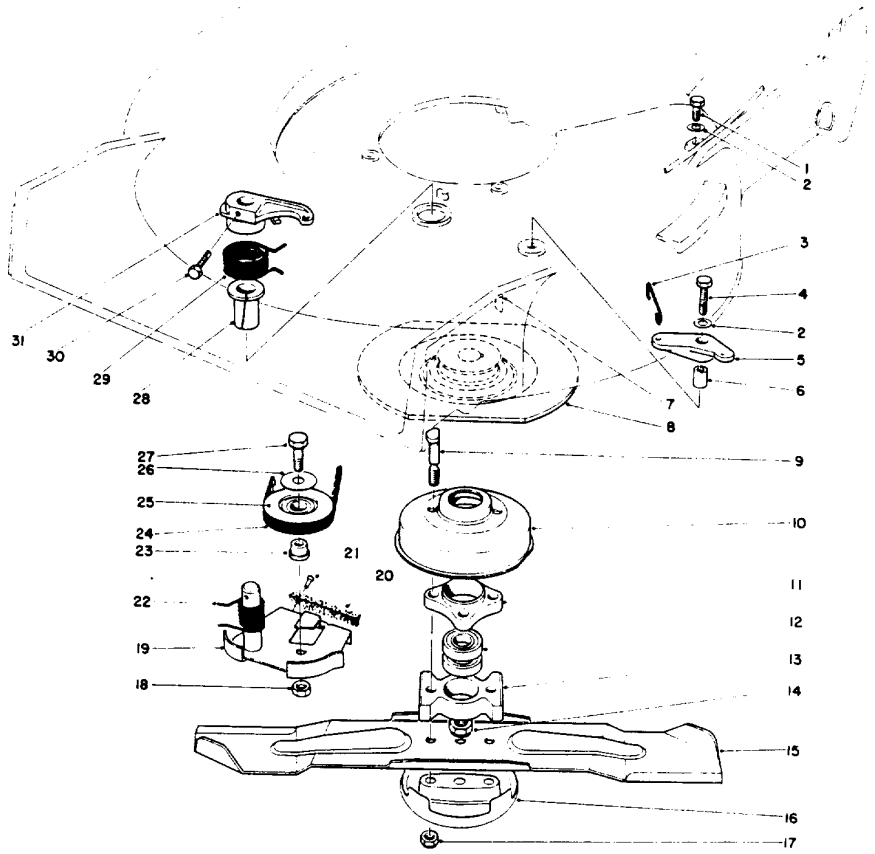
Ref. No.	Part No.	Description	No. Used
37	32146-5	Nut	2
38	40-2250	Decal – Rear Bagger	1
39	23-9120	Pivot Arm "B"	1
40	42-0110	Housing	1
41	43-8480	Decal – Danger	1
42	36-1350	Discharge Chute	1



ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	40-2570	Decal – Toro	1
2	38-0790	Decal – 4 Cycle	1
3	32104-94	Hex Hd. Tapping Screw	4
4	38-0780	Decal – Air Filter	1
5	37-9831	Shroud Assembly	1

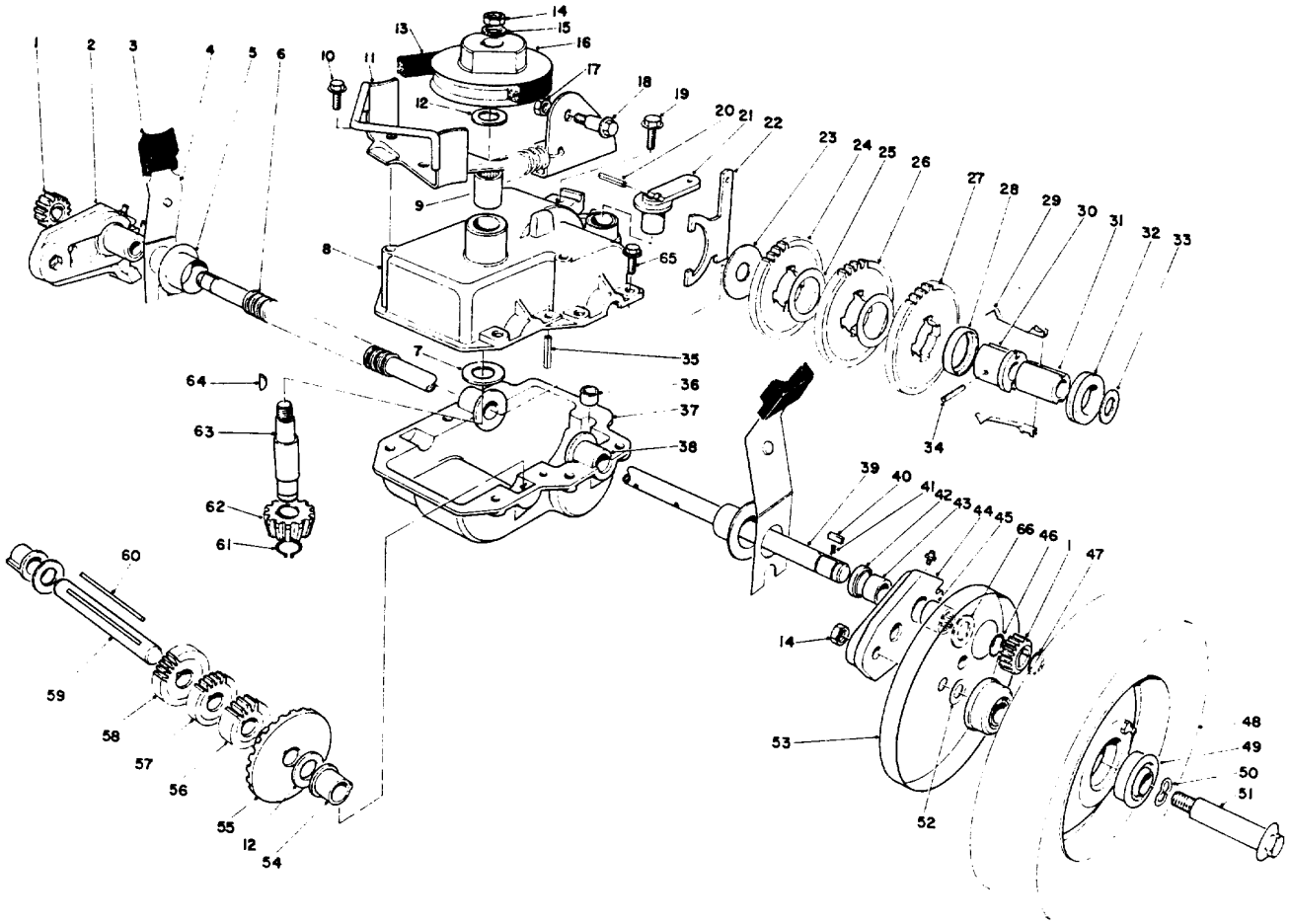
Ref. No.	Part No.	Description	No. Used
6	221-694	Engine	1
7	11-9760	Thread Forming Screw	2
8	39-1840	Belt Guide	1
9	11-0590	Screw	3



BLADE BRAKE CLUTCH ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144-11	Hex Hd. Thread Forming Screw	1
2	3256-2	Washer	2
3	43-1380	Link-Control	1
4	32104-107	Hex Hd. Tapping Screw	1
5	43-1390	Bell Crank	1
6	42-1330	Sleeve – Bell Crank	1
7	3257-3	Woodruff Key	1
8	43-7720	Flywheel	1
9	42-3190	Blade Bolt	2
10	42-1020	Brake Drum	1
11	42-6890	Hub Assy. (Incl. Ref. #12)	1
12	38-7820	Bearing	2
13	42-6760	Spacer Blade	1
14	3296-33	Locknut w/Nylon Insert	1
15	42-1000	Blade	1
16	42-0910	Anti Scalp Cup	1

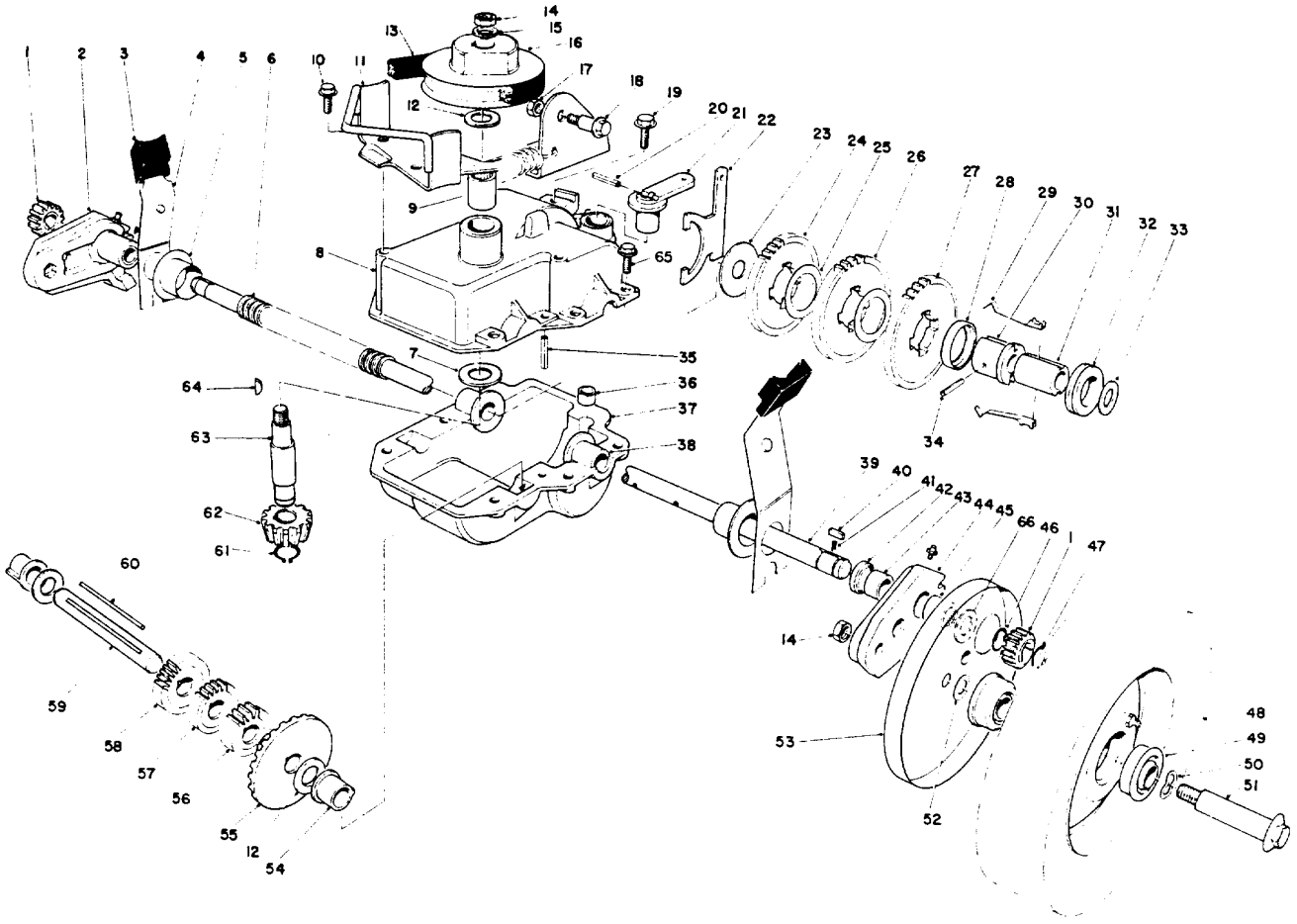
Ref. No.	Part No.	Description	No. Used
17	3296-55	Locknut	2
18	3296-6	Locknut	1
19	42-0940	Brake Plate	1
20	42-0890	Brake Pad	1
21	3295-23	Rivet	2
22	42-0840	Spring	1
23	42-4370	Hub – Idler Pulley	1
24	42-0880	V-Belt	1
25	42-0960	Idler Pulley Assembly w/Bearing	1
26	42-0870	Washer	1
27	3211-5	Hex Hd. Capscrew	1
28	42-1320	Split Bushing	1
29	44-0150	Spring	1
30	32104-97	Hex Hd. Tapping Screw	1
31	42-0950	Lever	1



GEAR CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	39-9160	Pinion	2
2	29-9590	Pivot Arm R.H. (Incl. Ref. # 42, 43 & 45)	1
3	25-7740	Knob – Arm	2
4	29-9540	Spring Arm	2
5	42-3520	End Cap	2
6	24-7922	Drive Shaft Cover	1
7	256-196	Oilite Thrust Washer	1
8	39-7282	Upper Gear Case	1
9	252-99	Bearing	1
10	11-9760	Hex Head Screw	2
11	40-9730	Belt Guide Bracket	1
12	36-4790	Washer	3
13	36-8070	Belt	1
14	32146-6	Locknut	3
15	3256-45	Washer	1
16	39-6740	Pulley	1
17	32146-17	Nut	1
18	26-5620	Shoulder Bolt	1
19	32144-11	Screw Thread Forming	1
20	32121-99	Slotted Roll Pin	1
21	29-9560	Shift Lever	1
22	29-9520	Shift Yoke	1

Ref. No.	Part No.	Description	No. Used
23	29-9690	Washer	1
24	42-4740	Gear – 38 Tooth	1
25	36-4770	Gear Spacer	2
26	42-4730	Gear – 40 Tooth	1
27	29-9271	Gear – 42 Tooth	1
28	39-7830	Key Retainer	1
29	39-6470	Key	2
30	39-6730	Sleeve Body	1
31	39-6720	Sleeve	1
32	29-9340	Shift Collar	1
33	36-4780	Washer	1
34	32121-106	Coil Pin	1
35	32121-100	Roll Pin	1
36	29-9570	Yoke Bushing	1
37	29-9410	Lower Case	1
38	29-9310	Bushing – Output Shaft	1
39	39-9750	Output Shaft	1
40	39-9680	Key	2
41	39-9650	Spring	2
42	253-140	Seal	2
43	256-110	Bushing	2
44	29-9640	Pivot Arm L.H. (Incl. Ref. # 42, 43 & 45)	1

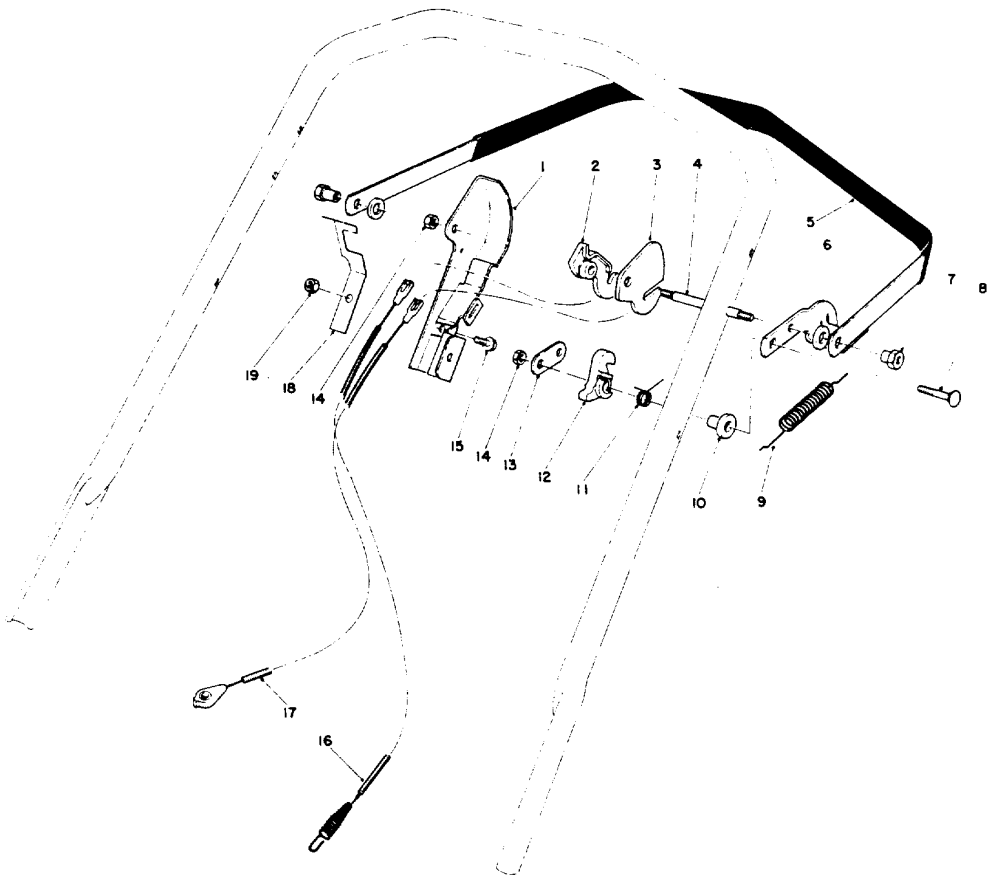


GEAR CASE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	252-96	Needle Bearing	2
46	32151-11	Grip Ring	2
47	32151-61	Retaining Ring	2
48	38-2930	Wheel & Tire Assembly (Incl. Ref. # 49)	2
49	251-180	Bearing	4
50	3290-393	Wave Washer	2
51	26-4430	Wheel Bolt	2
52	40-1940	Washer – Wheel Bolt	2
53	36-5630	Wheel Cover	1
54	29-9350	Bushing – Short Shaft	2
55	39-6670	Gear – Bevel	1

Ref. No.	Part No.	Description	No. Used
56	39-6630	Gear – 14 Tooth	1
57	39-6640	Gear – 16 Tooth	1
58	39-6650	Gear – 18 Tooth	1
59	39-6680	Short Shaft	1
60	39-7840	Key – Square	1
61	32151-57	Retaining Ring	1
62	39-6660	Pinion – Bevel	1
63	39-6690	Input Shaft	1
64	3257-1	Key – Woodruff	2
65	32144-44	Screw Hex Head	6
66	252-73	Thrust Washer	2
*	39-5802	Gear Case Assembly – Complete	1

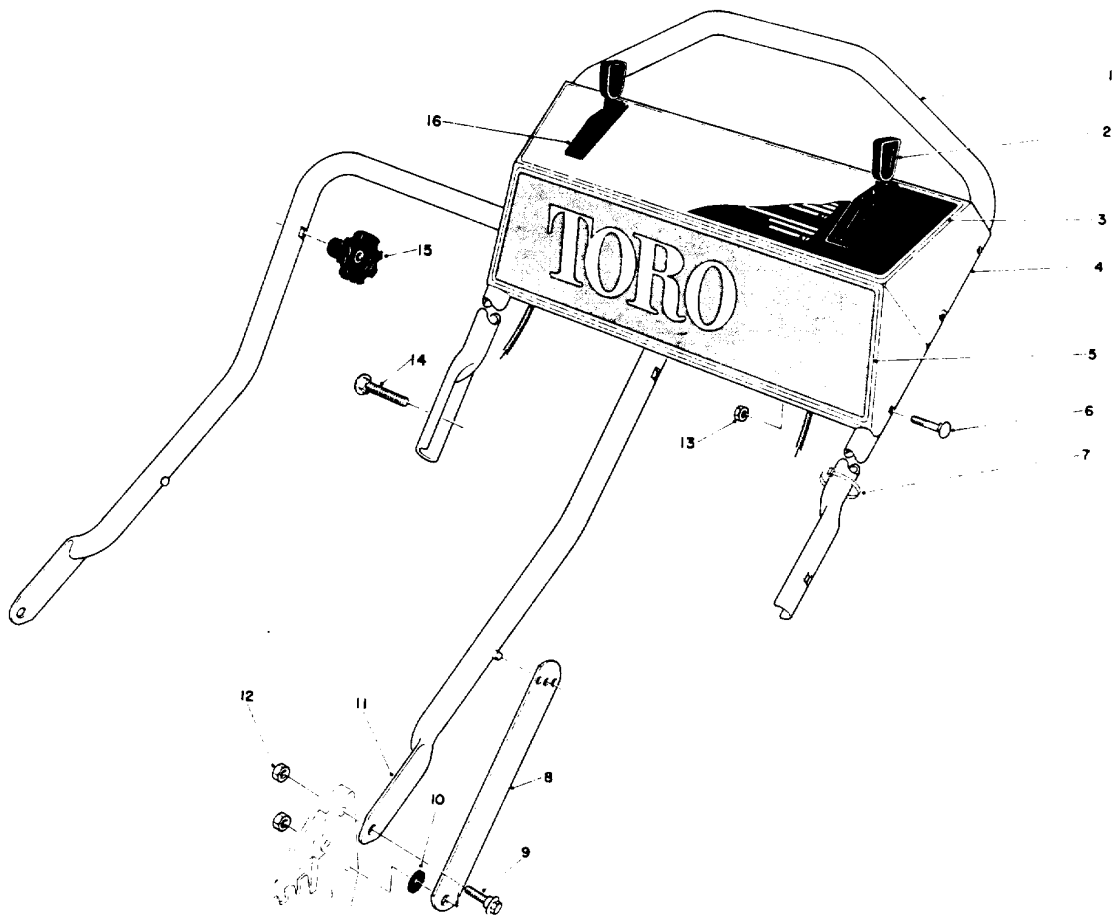
*Not Illustrated



TRACTION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-8790	Cable Support	1
2	43-7010	Cable Hook	1
3	43-8800	Cable Anchor	1
4	43-8650	Shoulder Stud	1
5	43-8750	Control Bar	1
6	43-8700	Nylon Washer	2
7	43-8660	Shoulder Nut	2
8	3229-26	Carriage Bolt	2
9	43-8810	Spring	1
10	43-8720	Spacer	1

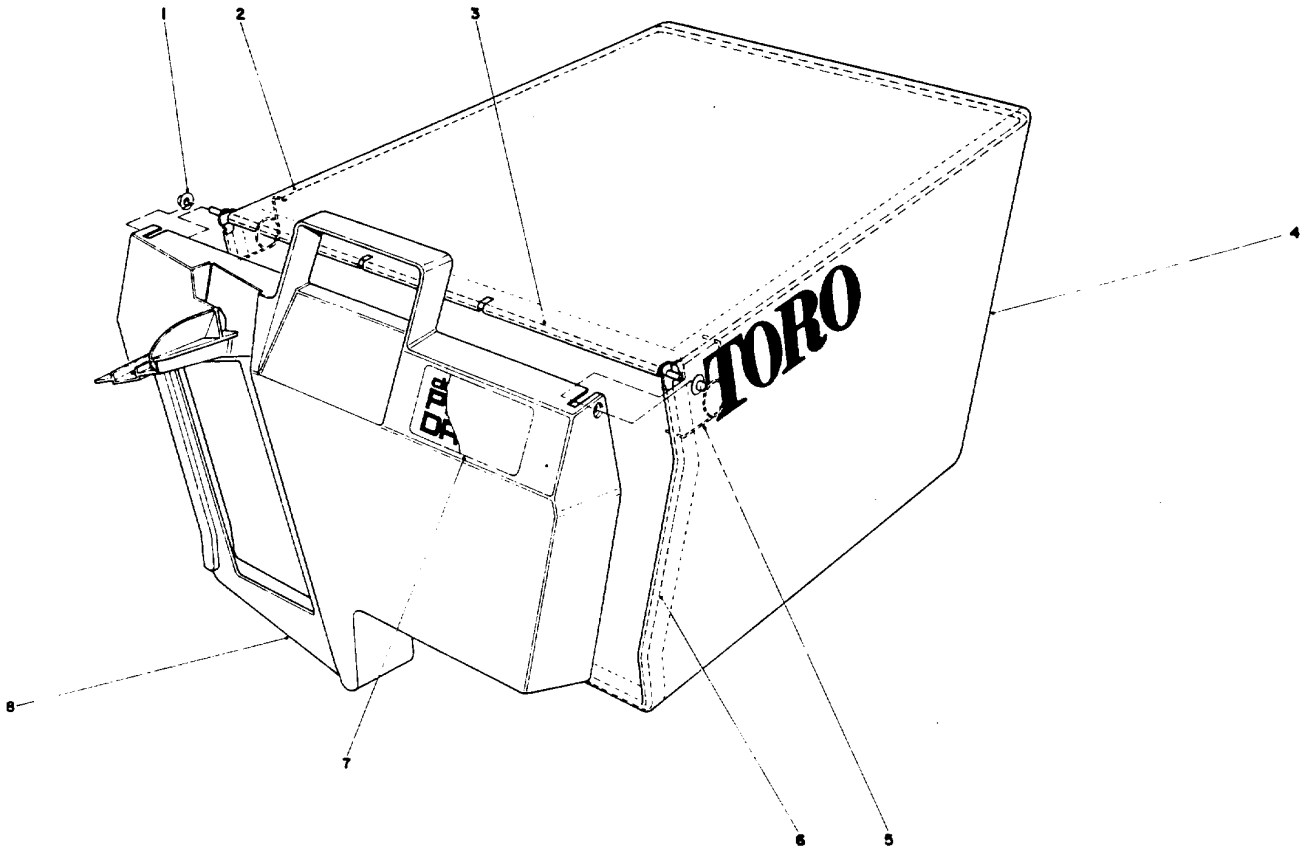
Ref. No.	Part No.	Description	No. Used
11	43-8690	Spring	1
12	43-7000	Release Latch	1
13	43-8710	Link	1
14	32149-2	Locknut	2
15	3234-5	Hex Flange Hd. Locking Screw	1
16	43-8760	Clutch Cable Assembly	1
17	43-8770	Traction Cable	1
18	43-8680	Leaf Spring	1
19	32149-1	Locknut	1



HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-1340	Upper Handle	1
2	42-3910	Throttle Control	1
3	43-8820	Decal – Instruction	1
4	43-4471	Control Plate	1
5	43-8830	Decal – Toro	1
6	3229-26	Carriage Bolt	4
7	3290-378	Cable Tie	2
8	43-1370	Handle Latch	2

Ref. No.	Part No.	Description	No. Used
9	27-7211	Shoulder Screw	4
10	3-3287	Spacer – Handle Latch	2
11	43-1360	Lower Handle Assembly	1
12	32146-5	Locknut	4
13	32149-2	Locknut	4
14	17-9420	Handle Screw	2
15	19-4050	Handle Knob	2
16	42-3920	Ground Speed Control	1



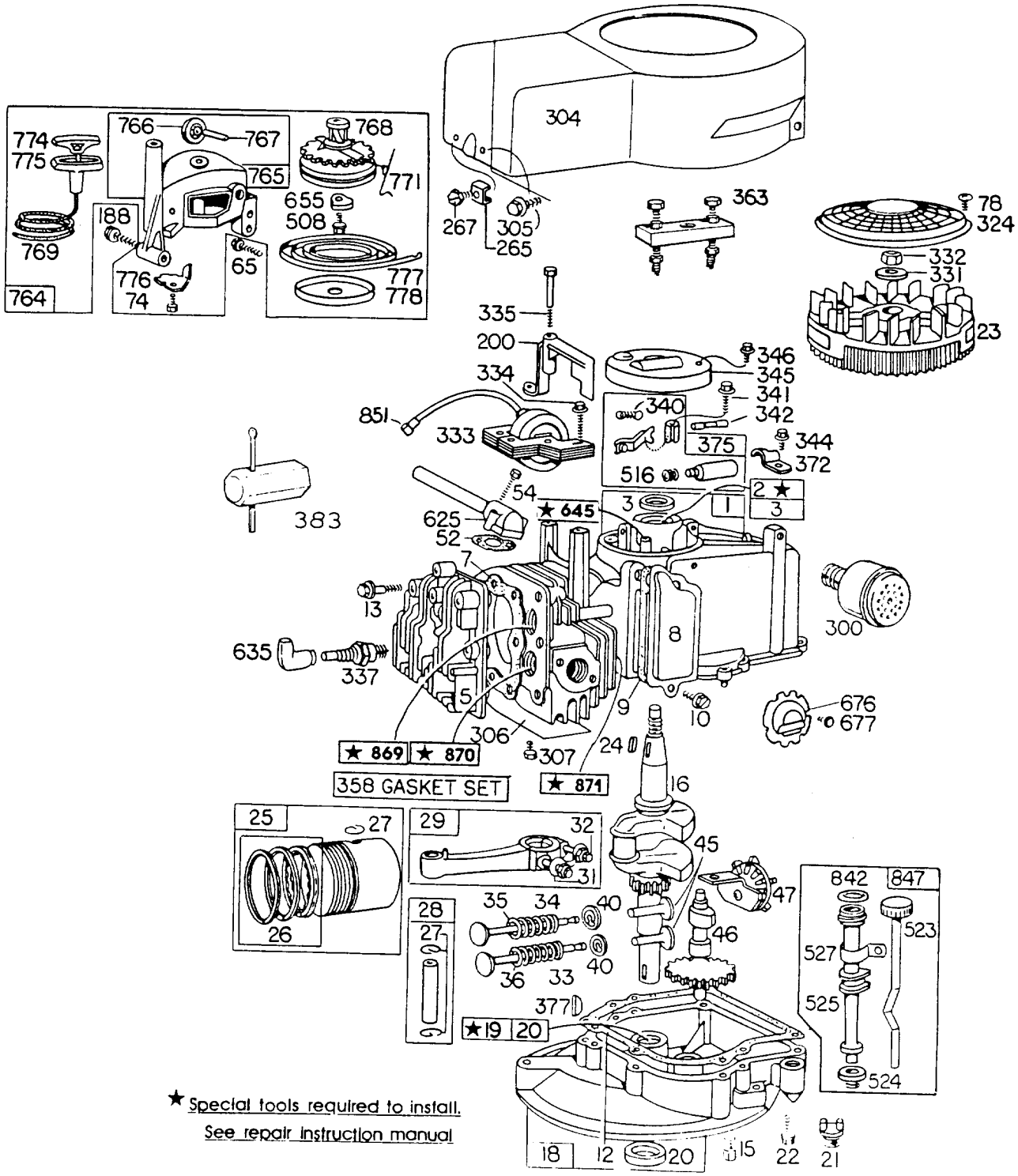
GRASS BAG ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290-422	Push Nut	2
2	42-4030	Bag Frame Upper	1
3	33-4820	Hinge Bag Door	1
4	8-2759	Grass Bag	1

Ref. No.	Part No.	Description	No. Used
5	36-6910	Spring	2
6	42-4020	Frame Bag	1
7	40-2240	Decal Bag Door	1
8	37-1390	Door Grass Bag	1
*	11-0189	Grass Bag Assembly (Incl. Ref. #1-8)	1

*Not Illustrated

BRIGGS & STRATTON ENGINE MODEL NO.. 110908-0529-01

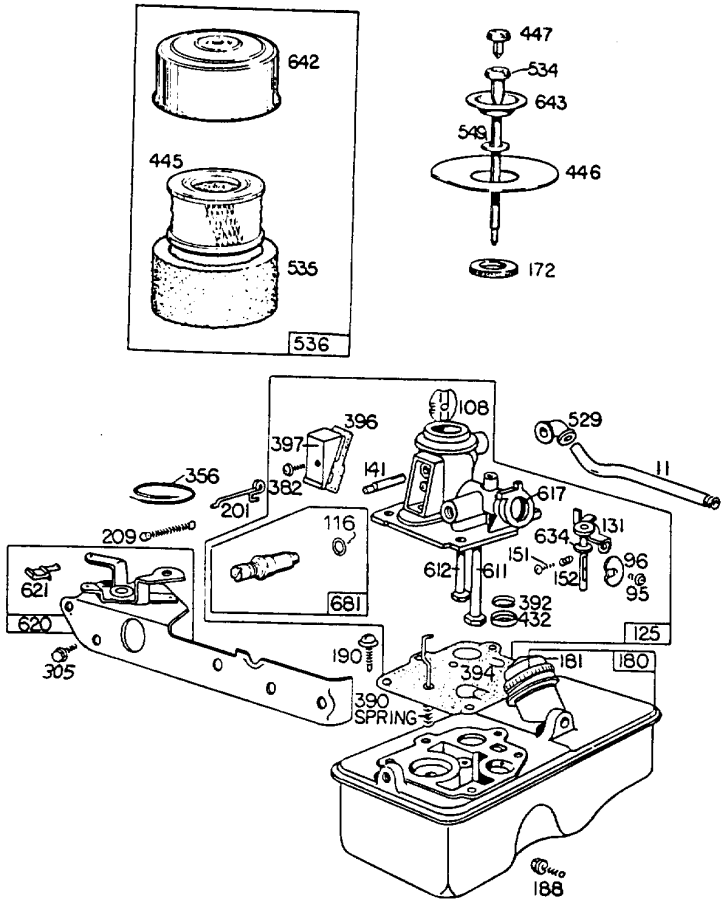


★ Special tools required to install. See repair instruction manual

BRIGGS & STRATTON ENGINE MODEL NO. 110908-0529-01

Ref. No.	Part No.	Description	No. Used
1	391639	Cylinder Assembly	1
2	293708	Bushing – Cylinder	
		Note: Requires special tools for installation	1
3	299819	Seal – Oil	1
5	211851	Head – Cylinder	1
7	*270836	Gasket – Cylinder Hd.	1
8	298383	Breather – Valve Chamber	1
9	*270239	Gasket – Valve Cover	1
10	93394	Screw – Breather Mounting	1
12	*270833	Gasket – Crankcase – .015" thick (Standard)	1
	*270895	Gasket – Crankcase .005" thick	1
	*270896	Gasket – Crankcase – .009" thick	1
13	93111	Screw – Cylinder Hd. (1-15/16" long)	1
15	93418	Plug – Oil Drain	1
16	261641	Crankshaft	1
18	392381	Sump – Oil	1
19	293709	Bushing – Oil Sump	
		Note: Requires special tools for installation	1
20	391483	Seal – Oil	1
22	93032	Screw – Sump Mtg.	1
23	391488	Flywheel – Magneto	1
24	61760	Key – Flywheel	1
25	391650	Piston Assy. – Standard	1
	391651	Piston Assy. – .010" O.S.	1
	391652	Piston Assy. – .020" O.S.	1
	391653	Piston Assy. – .030" O.S.	1
		MODEL 110900 SERIES PISTON RING SETS:	
		Note: For chrome piston ring set – standard size – order Part No. 392330	
26	391654	Ring Set – Standard Piston	1
	391656	Ring Set – .010" O.S. Piston	1
	391658	Ring Set – .020" O.S. Piston	1
	391660	Ring Set – .030" O.S. Piston	1
27	26026	Lock – Piston Pin	1
28	391649	Pin Assembly – Piston – Std.	1
	394861	Pin Assembly – Piston .005" O.S.	1
29	391640	Rod Assembly – Connecting	
		Note: For connecting rod with .020" undersize crankpin bearing – order No. 393710	1
31	222390	Lock – Connecting Rod Screw	1
32	93670	Screw – Connecting Rod	1
33	212004	Valve – Exhaust	1
34	261233	Valve – Intake	1
35	260552	Spring – Intake Valve	1
36	26478	Spring – Exhaust Valve	1
40	93312	Retainer – Valve Spring Used with valves with groove in stem	1
45	261250	Tappet – Valve	1
46	394845	Gear – Cam	1
47	294652	Oil Slinger Gear and Bracket	1
52	*270844	Gasket – Intake Elbow	1
54	93485	Screw – Intake Elbow Mtg.	1
65	93587	Screw – Vertical Pull Starter Mounting	1
74	93490	Screw	1
78	93758	Screw – Screen Mtg.	1
188	93585	Screw – Fuel Tank and Starter Mounting	4
			1
200	68388	Blade Governor	1

Ref. No.	Part No.	Description	No. Used
265	22372	Clamp – Casing	1
267	93469	Screw – Clamp Mtg.	1
300	391435	Muffler – Exhaust	1
304	391636	Housing – Blower	1
305	93559	Screw – Blower Housing Mounting	1
306	223263	Shield – Cylinder	1
307	93490	Screw – Cylinder Shield Mounting	1
324	280140	Screen – Rotating	1
331	220865	Washer – Flywheel	1
332	92284	Nut – Flywheel	1
333	298502	Armature – Magneto	1
334	93381	Screw – Armature Mtg.	1
335	93435	Screw – Armature and Governor Blade	1
337	293918	Plug – Spark (with gasket) 1-1/2" high – (resistor type) (37-42 mm)	1
340	26018	Spring – Breaker Arm	1
341	93381	Screw – Breaker Arm Mounting	1
342	65704	Plunger – Breaker Point	1
344	93042	Screw – Condenser Clamp Mounting	1
345	220366	Cover – Breaker Point and Condenser	1
346	93705	Screw – Dust Cover Mounting	1
358	391662	Gasket Set	1
363	19069	Puller – Flywheel (Optional Accessory)	1
372	220477	Clamp – Condenser	1
375	294628	Breaker Points and Condenser Set	1
377	93065	Key – Woodruff No. 6	1
383	89838	Wrench – Spark Plug	1
508	93158	Screw	1
516	260374	Spring – Connector	1
523	391838	Cap with Dipstick – Oil Filler	1
524	68838	Seal – Filler Tube	1
525	280131	Tube – Oil Filler	1
527	222549	Clamp – Oil Filler Tube	1
625	391377	Tube – Fuel Intake	1
635	66538	Elbow – Spark Plug	1
645	23513	Bushing – Plunger	1
655	222057	Anchor – Spring	1
676	393760	Deflector – Muffler	1
677	93705	Screw – Muffler Deflector and Harness Retainer	1
764	391486	Starter Assembly – Vertical Pull	1
765	299947	Housing – Vertical Pull Starter	1
766	280022	Pulley – Rope (Small)	1
767	231048	Pin – Small Rope Pulley	1
768	299948	Pulley and Gear Assembly – Starter (50" Rope)	1
769	66734	Rope – Vertical Pull Starter (50")	1
771	299961	Clip – Vertical Pull	1
774	280121	Insert – Starter Handle	1
775	280036	Grip – Starter Rope	1
776	222049	Guide – Rope	1
777	390066	Spring – Vertical Pull Starter	1
778	280021	Cover – Vertical Pull Starter Pulley	1
842	270920	Seal – Filler Cap	1
847	392056	Filler Group – Oil	1
851	221798	Terminal – Ignition Cable	1
869	210879	Seat – Intake Valve (Std)	1
870	211291	Seat – Exhaust Valve (Std.)	1
871	63709	Guide – Exhaust Valve	1



CARBURETOR ASSEMBLY BRIGGS & STRATTON
MODEL NO. 110908-0529-01

Ref. No.	Part No.	Description	No. Used
11	231043	Tube Breather	1
95	93499	Screw – Throttle Valve Mounting	1
96	211237	Valve – Throttle	1
108	280178	Valve – Choke	1
116	280203	O-Ring	1
125	394065	Carburetor Assembly	1
131	299977	Shaft and Lever – Throttle	1
141	68908	Shaft – Choke	1
151	93524	Screw – Rd. Hd.	1
152	260746	Spring – Throttle Adj.	1
172	271077	Gasket – Air Cleaner	1
180	381694	Tank Assembly – Fuel	1
181	391494	Cap – Fuel Tank (Chrome)	1
188	93585	Screw – Fuel Tank and Starter Mounting	1
190	93440	Screw – Fuel Tank Mounting	1
201	261027	Link – Governor	1
209	201419	Spring – Governor (For 2500 to 2700 RPM)	1
305	93559	Screw – Blower Housing Mounting	1
356	298479	Wire – Ground	1
382	93545	Screw – Choke Link Cover	1
390	261249	Spring – Diaphragm	1

Ref. No.	Part No.	Description	No. Used
392	260455	Spring – Fuel Pump Diaphragm	1
394	391643	Diaphragm Carburetor	1
396	270571	Gasket – Choke Link Cover	1
397	211678	Cover – Choke Link	1
432	221377	Cap – Spring	1
445	392308	Cartridge – Air Cleaner	1
446	222844	Base – Air Cleaner	1
447	93913	Screw – Cover Mounting	1
529	67838	Grommet – Breather	1
534	93818	Screw – Air Cleaner (Internal)	1
535	270979	Element – Air Cleaner	1
536	392368	Cleaner Assy. – Air	1
549	270978	Washer (Below Internal Screw Head)	1
611	297219	Pipe – Fuel (Long)	1
612	296811	Pipe – Fuel (Short)	1
617	270344	Seal – Fuel Intake Tube	1
620	391442	Plate – Carburetor Control	1
621	297472	Switch – Stop	1
634	270167	Washer – Throttle Shaft (Felt)	1
642	222626	Cover – Air Cleaner	1
643	222594	Cup – Air Cleaner	1
681	393451	Needle Valve Kit (Nylon Body)	1