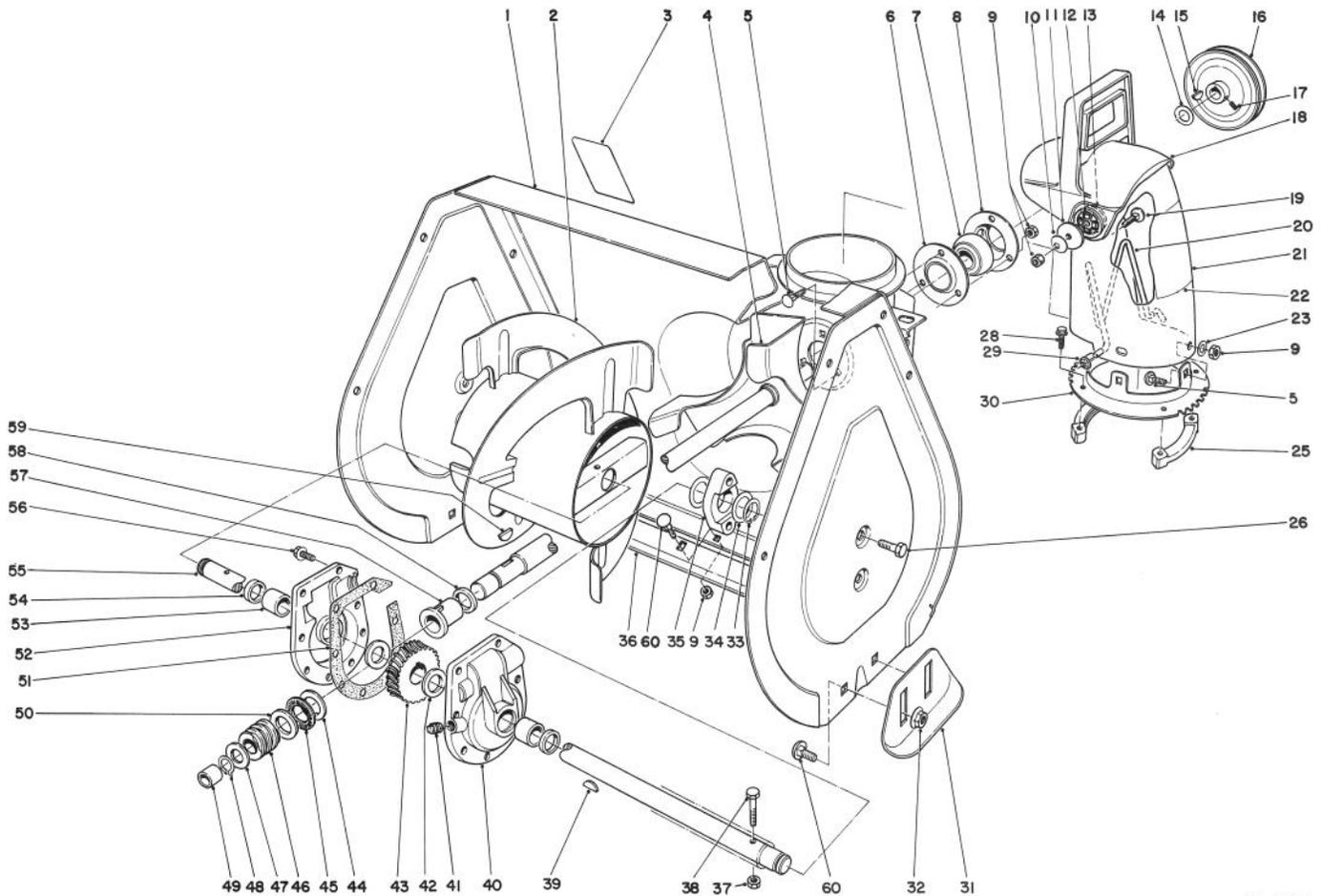




MODEL NO. 38052-3900001 & UP MODEL NO. 38054-3900001 & UP	<b>PARTS CATALOG</b>
<h2 style="margin: 0;">521 SNOWTHROWER</h2>	



C-0031

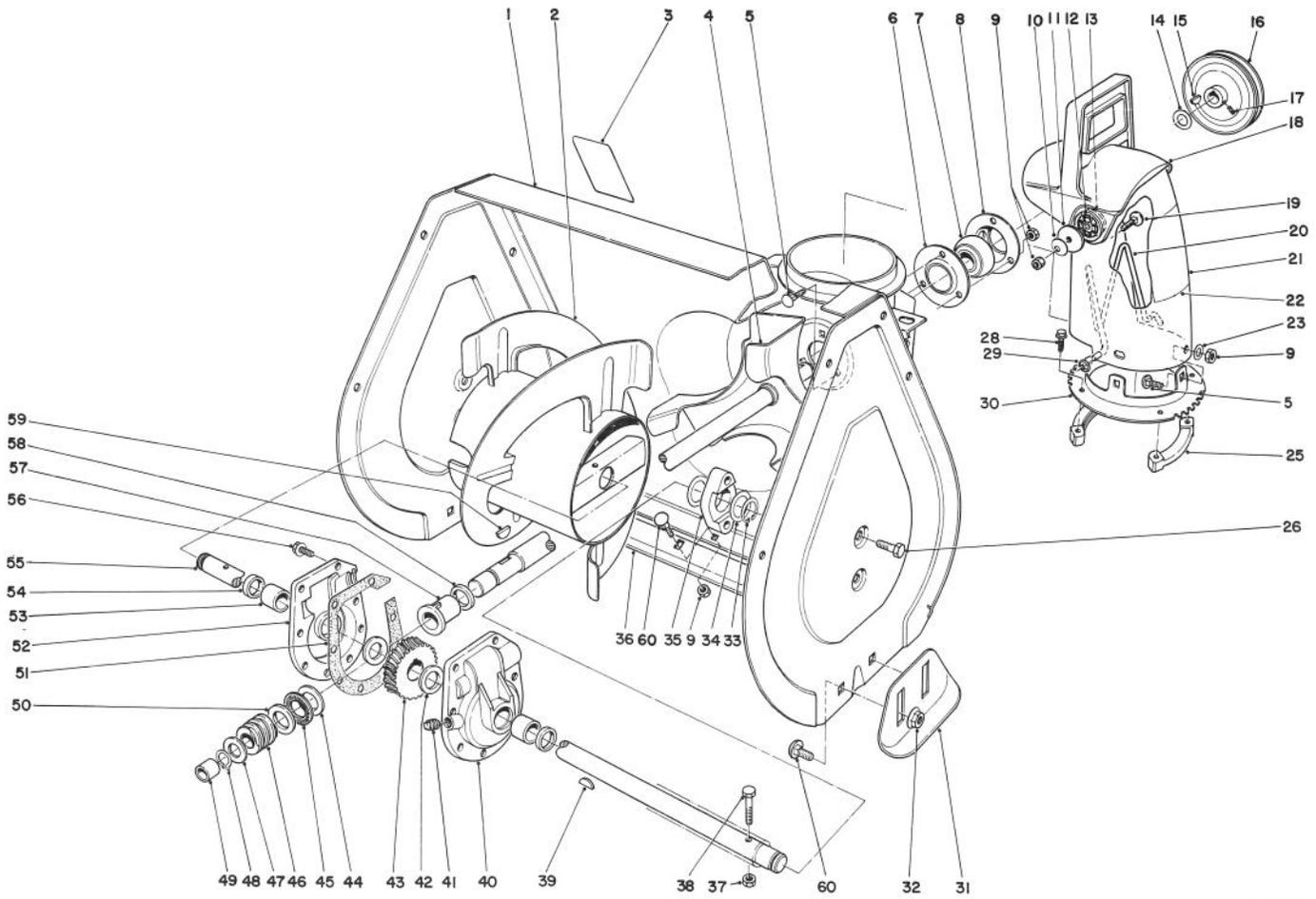
### AUGER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	11-5269	Housing - Auger (Incl. ref. #3)	1
2	39-1180	Auger - R.H.	1
*	39-1190	Auger - L.H.	1
3	53-7670	Decal - Auger Warning	1
4	37-6990	Shaft & Impeller	1
5	3230-18	Bolt - Carriage	6
6		Flange - Bearing Front	1
7	63-3450	Bearing - Ball	1
8		Flange - Bearing Rear	1
9	3296-29	Nut - Lock	13
10	3290-340	Washer - Belleville	2
11	3256-68	Washer - Flat	2
12	55-8950	Plate - Friction	2
13	20-4320	Washer - Rubber	2
14	3-0737	Washer	1
15	3257-5	Key	1

Ref. No.	Part No.	Description	No. Used
16	37-6890	Pulley	1
17	3242-4	Screw - Set	2
18	56-2680	Deflector	1
19	3230-22	Bolt - Carriage	2
20	56-2670	Chute - Wire	1
21	13-7979	Chute - Discharge (Incl. ref.# 22) Model 38052	1
*	12-8749	Chute - Discharge (Incl. ref.# 22) Model 38054	1
22	63-3740	Decal - Discharge Model 38052	1
*	63-3760	Decal - Discharge Model 38054	1
23	3256-23	Washer	3
25	37-6490	Retainer - Chute Ring	3
26	32144-70	Screw - Self Tapping	4

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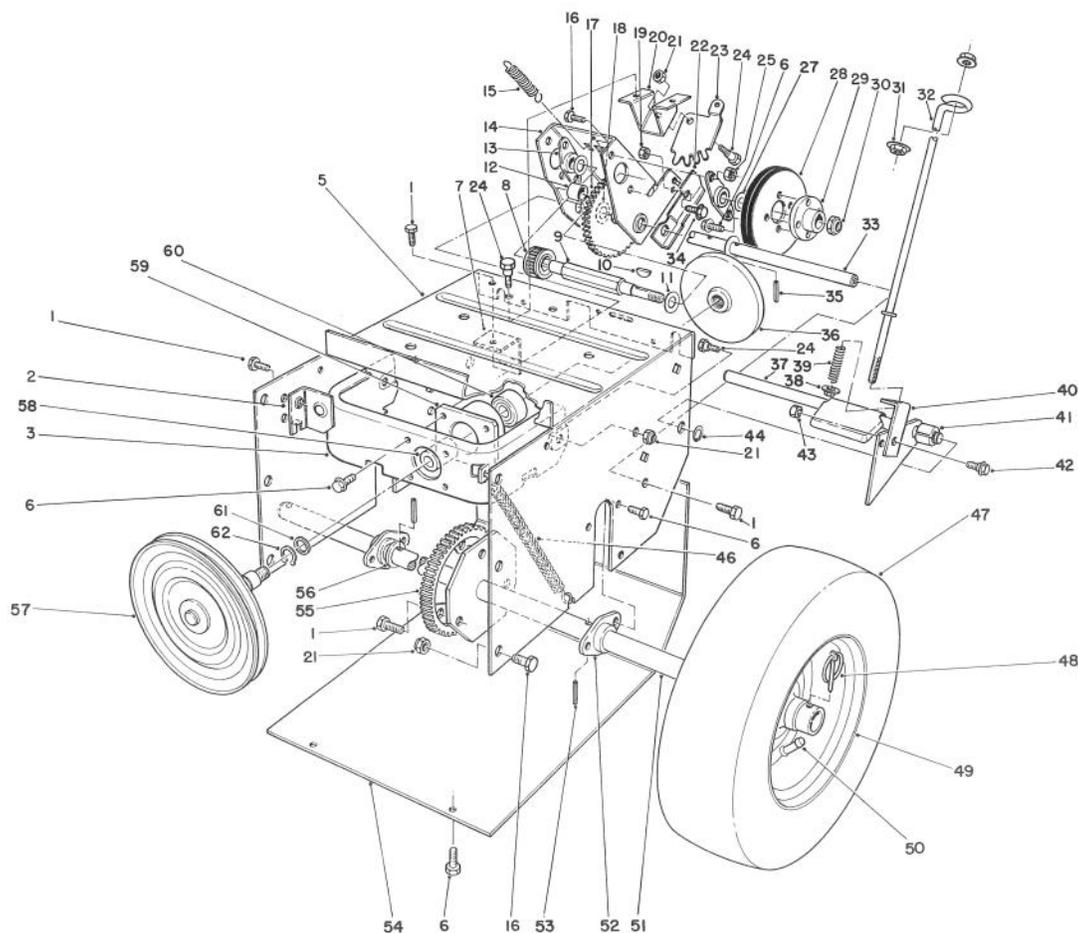
C-0031

## AUGER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
28	27-0220	Screw - Self Tapping	6
29	3290-326	Pushnut	1
30	37-8941	Ring - Chute	1
31	40-8160	Skid	2
32	32128-20	Nut - Flange	4
33	32151-36	Ring - Retaining	2
34	5-1550	Washer - Thrust	4
35	37-6550	Bearing - Auger	2
36	39-1551	Blade - Scraper	1
37	3296-42	Nut - Lock	2
38	321-10	Screw - Cap	2
39	3257-33	Key - Woodruff	1
40	14-2459	Gear Case L.H. (Incl. Ref. #53 & 54)	1
41	281-1	Pipe - Plug	1
42	252-71	Bearing - Thrust	2
43	5-7180	Gear	1
44	257-3	Washer - Thrust	1
45	252-76	Bearing - Needle, Thrust	1

Ref. No.	Part No.	Description	No. Used
46	5-7170	Gear - Worm	1
47	3-8664	Washer	1
48	32120-72	Ring - Retaining	1
49	256-32	Bushing	1
50	252-80	Washer - Thrust	1
51	51-0460	Gasket	1
52	14-2449	Gear Case R.H. (Incl. Ref. #53 & 54)	1
53	256-237	Bushing	2
54	7-0045	Seal - Oil	2
55	37-6800	Shaft - Auger	1
56	32144-41	Screw - Self Tapping	8
57	37-6560	Bushing - Input	1
58	237-87	Seal	1
59	3257-23	Key - Woodruff	1
60	3230-1	Bolt - Carriage	9
*	37-6960	Gear Case Assembly	1
*	12-8789	Bearing Assembly (Incl. Ref. #6-8)	1

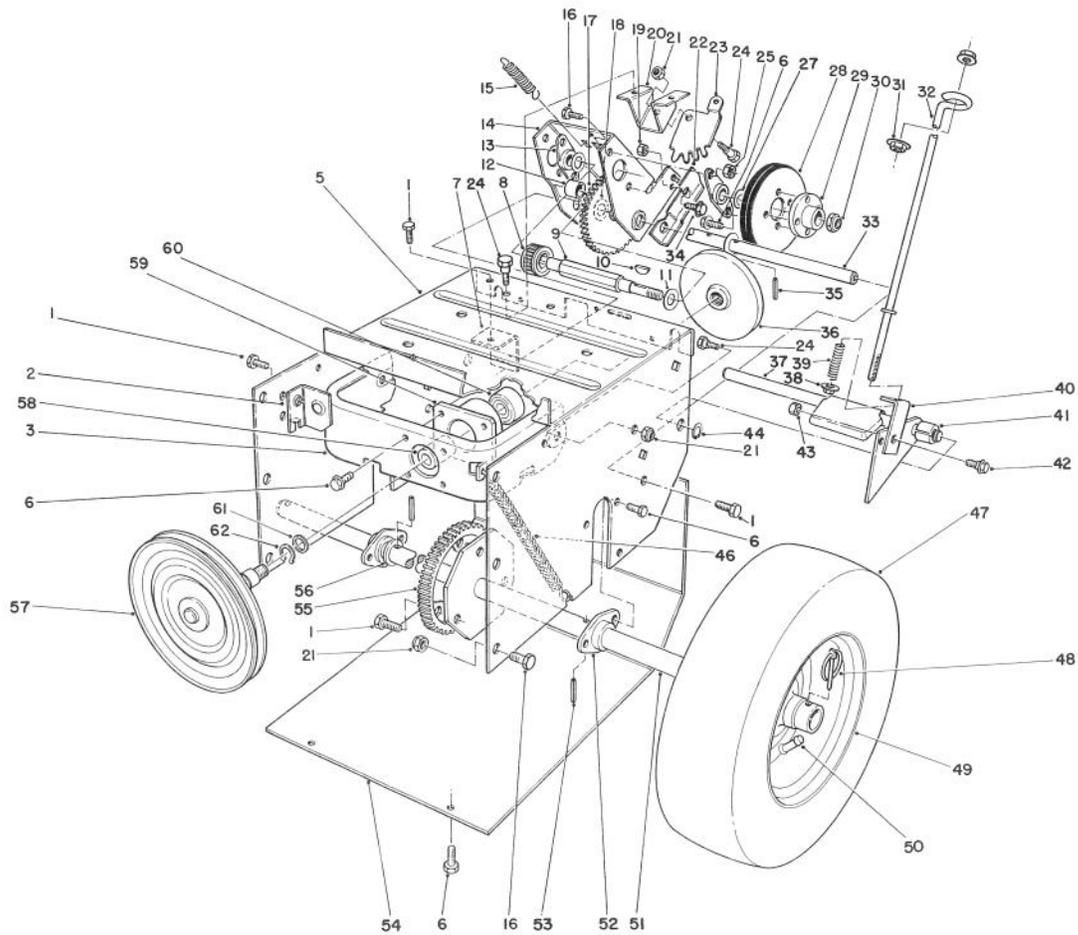
\*Not Illustrated



C-1277

## TRACTION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32144-70	Screw - Self Tap.Hex. Hd.	9	24	37-8770	Bolt - Shoulder	3
2	66-6790	Mount - Clutch Rod Front	1	25	3296-29	Nut - Lock	4
3	88-0550	Frame - Friction Plate	1	27	36-4790	Washer - Thrust	2
5	37-8900	Frame - Traction	1	28	37-6570	Wheel - Friction	1
6	32144-4	Screw - Self Tap.Hex. Hd.	16	29	39-1520	Hub - Friction Wheel Mount	1
7	37-9070	Mount - Clutch Rod Rear	1	30	3296-48	Nut - Lock	1
8	37-6500	Gear - Sliding	1	31	32128-33	Nut - Flange	2
9	37-6780	Shaft - Hex	1	32	39-3060	Rod - Lower Traction	1
10	3257-24	Key	1	33	37-6760	Shaft - Pivot	1
11	5-7570	Washer - Thrust	2	34	321-4	Screw - Hex. Hd.	1
12	256-86	Bushing	1	35	32121-45	Pin - Roll	2
13	20-1620	Bearing - Friction Wheel	2	36	38-0800	Plate - Friction	1
14	39-1230	Bracket - Sliding	1	37	88-0750	Traction Engagement Assy.	1
15	37-8880	Spring - Traction Engage	1	38	32128-32	Nut - Flange	1
16	322-2	Screw - Hex. Hd. Cap	10	39	38-4520	Spring - Compression	1
17	37-9160	Intermediate Gear & Bushing (Incl. Ref. #12)	1	40	38-4490	Bracket - Traction	1
18	10-9280	Washer - Thrust	2	41	40-9680	Spacer	1
19	3296-16	Nut - Lock	1	42	40-8350	Screw - Shoulder	1
20	37-8790	Mount - Quadrant Gear	1	43	3296-42	Nut - Lock	1
21	3296-29	Nut - Lock	9	44	32151-61	Ring - Retaining	1
22	39-1250	Cam - Receiver	1	46	37-8870	Spring - Friction Plate Frame	1
23	37-8800	Quadrant - Gear	1	47	231-120	Tire	2
				48	3290-243	Pin - Klik	2

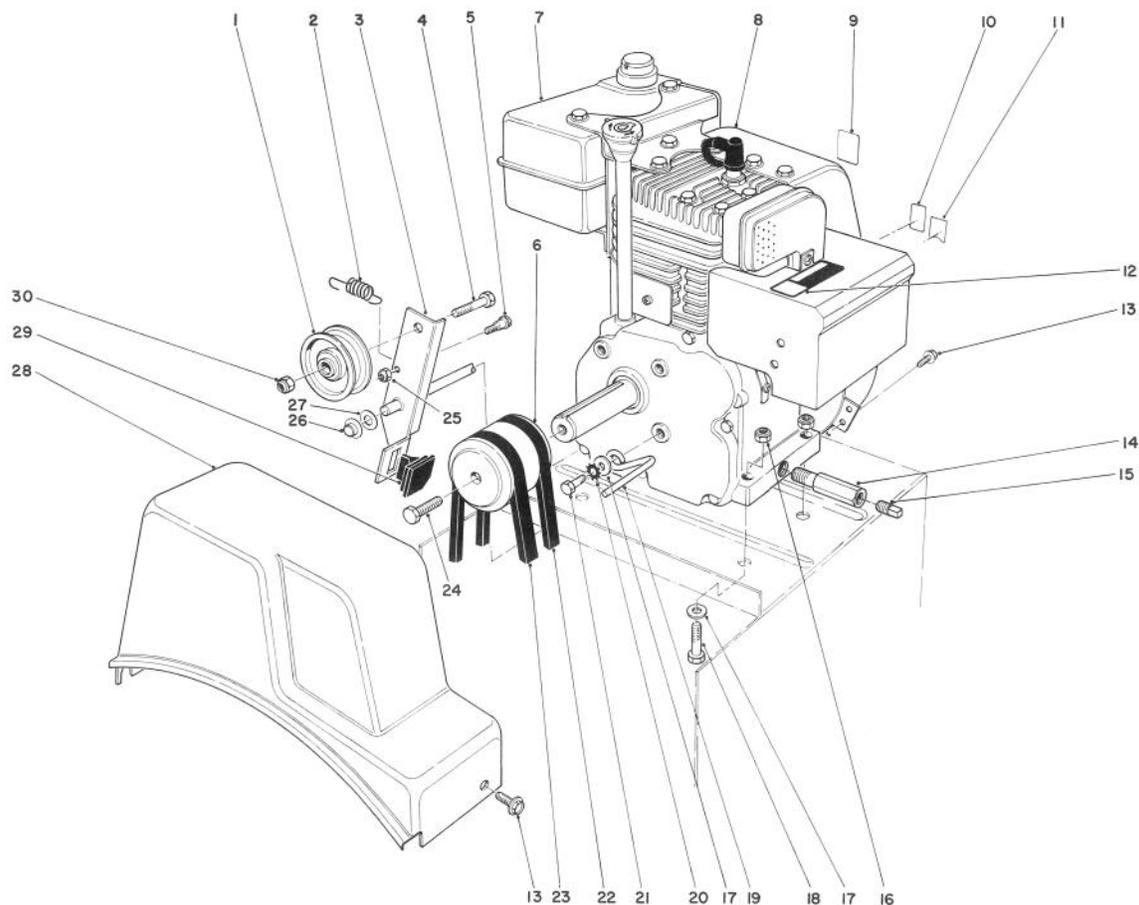


C-1277

### TRACTION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49	241-131	Rim	2	57	88-0850	Pulley & Shaft	1
50	232-46	Tube	2	58	256-322	Bushing	1
51	74-1350	Shaft - Axle	1	59	88-0560	Hub - Frame	1
52	37-6850	Bearing - Axle	2	60	38-7820	Bearing	1
53	32121-31	Pin - Roll	2	61	257-12	Washer - Thrust	1
54	37-6830	Cover - Bottom	1	62	32151-103	Ring - Snap	1
55	37-6520	Gear - Axle	1	*	56-2700	Tire Chain Kit (Optional)	1
56	3-8664	Washer - Thrust	2				

\*Not Illustrated

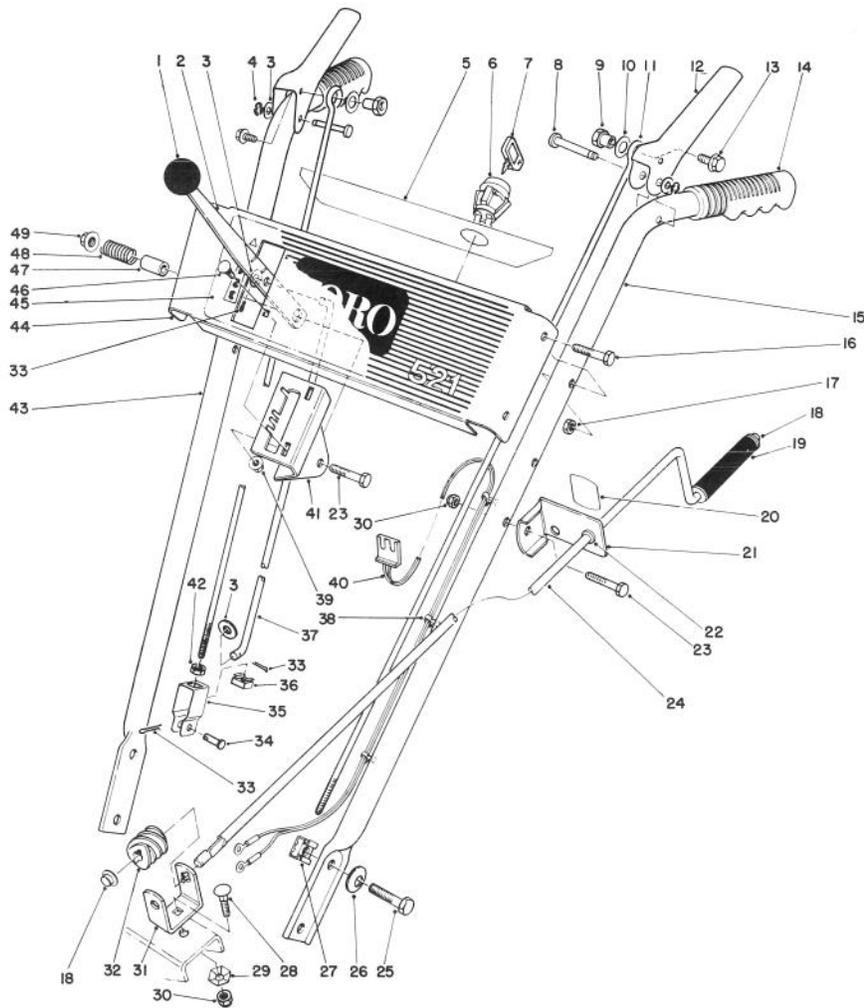


C-0038

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3-4244	Idler Pulley	1	14	49-3040	Tube - Drain	1
2	53-7570	Spring - Auger Disengage	1	15	281-7	Plug - Pipe	1
3	14-7959	Auger Clutch (Incl. ref. #29)	1	16	3296-29	Nut - Lock	4
4	323-29	Screw - Cap	1	17	3256-23	Washer - Flat	5
5	42-3560	Bolt - Shoulder	1	18	322-7	Screw - Cap	4
6	43-7370	Engine Pulley	1	19	37-8990	Retainer - Belt	1
8		Engine	1	20	3255-8	Washer - Lock Ext. Tooth	1
9	62-5760	Decal - Primer	1	21	3210-3	Screw - Cap	1
10	63-2450	Decal - Throttle	1	22	37-9090	V-Belt - Traction	1
11	39-3850	Decal - Choke (Model 38052)	1	23	37-9080	V-Belt - Auger	1
*	63-2410	Decal - Choke (Model 38054)	1	24	43-7290	Screw - Special	1
12	66-6840	Decal - Hot Surface Warning (Model 38052)	1	25	3296-56	Nut - Lock	1
*	63-2310	Decal - Hot Surface Warning (Model 38054)	1	26	3290-320	Nut - Push On	1
13	32144-4	Screw - Self Tapping	3	27	3256-24	Washer - Flat	1
				28	37-6900	Cover - Belt	1
				29	66-8060	Molded Brake Assembly	1
				30	3296-59	Nut - Lock	1

\*Not Illustrated



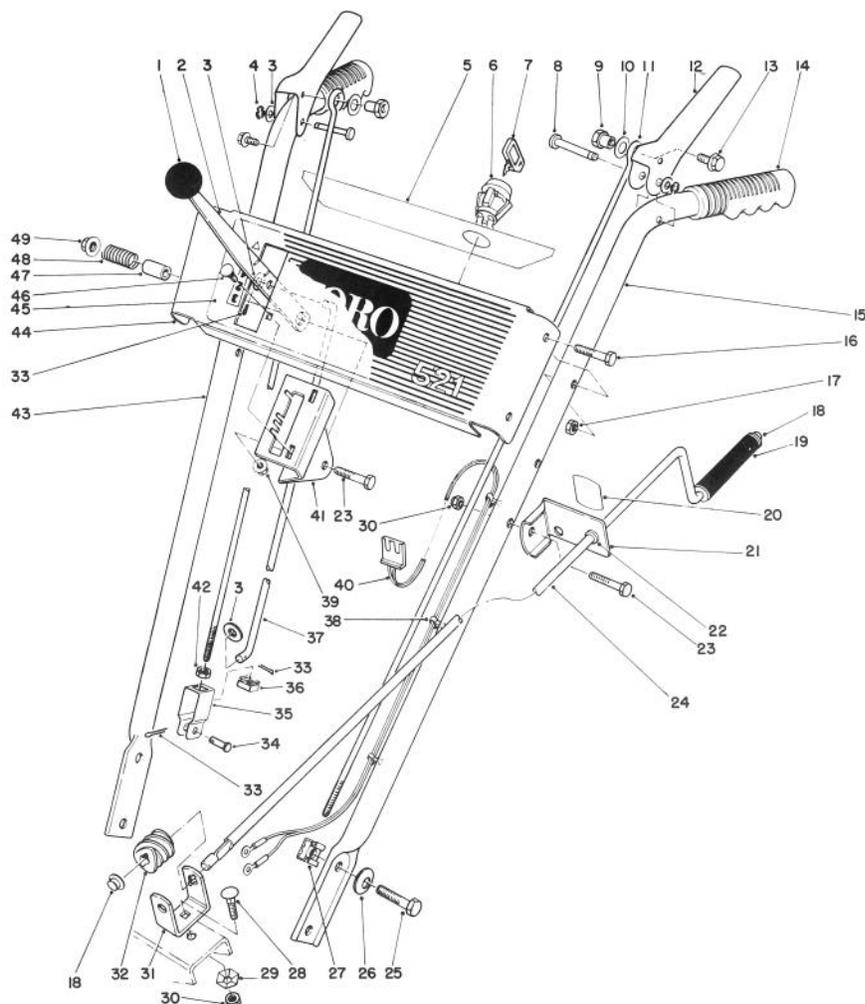
C-0039

## HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233-21	Knob	1
2	37-8820	Selector - Speed	1
3	3256-23	Washer	3
4	32151-73	Ring - Clip	2
5	66-6830	Decal - Escutcheon Back (Model 38052)	1
*	66-6880	Decal - Escutcheon Back (Model 38054)	1
6	40-5940	Switch - On/Off	1
7	63-8360	Key - Ignition	1
8	52-5600	Pin - Control Lever	2
9	47-4990	Post - Linkage Mounting	2
10	3256-24	Washer	2
11	52-5590	Link - Upper	2
12	63-3640	Handle - Control	2
13	3234-13	Screw - Hex. Flange Hd.	2
14	74-1360	Grip - Handle	2
15	52-5571	Handle - Left (Model 38052)	1
	52-5570	Handle - Left (Model 38054)	1
16	321-9	Screw - Hex. Hd	4
17	3296-42	Nut - Lock	4
18	3290-320	Nut - Push	2
19	66-6540	Grip - Rod	1
20	63-3510	Decal - Chute Direction	1

Ref. No.	Part No.	Description	No. Used
21	12-7739	Bracket - Chute Control (Incl. Ref.# 20 & 22)	1
22	256-249	Nyliner	1
23	322-7	Screw - Hex. Hd.	2
24	40-8270	Rod - Chute Control	1
25	322-2	Screw - Hex. Hd. Cap	4
26	3290-456	Washer - Belleville	4
27	3290-196	Retainer - Nut	4
28	3230-22	Bolt - Carriage	1
29	3290-238	Washer - Pyramidal	1
30	3296-29	Nut - Lock	2
31	40-8280	Bracket - Chute Worm	1
32	40-8250	Gear - Worm	1
33	3272-4	Pin - Cotter	3
34	283-3	Pin - Clevis	1
35	39-3080	Clevis	1
36	32115-5	Retainer - Nut	1
37	39-7570	Rod - Speed Selector	1
38	17-9120	Mount - Wire	3
39	32128-33	Nut - Flange Lock	2
40	43-7390	Wire Harness Assembly (Incl. ref.# 38)	1
41	39-1280	Mount - Speed Selector	1
42	3218-1	Nut - Jam	1

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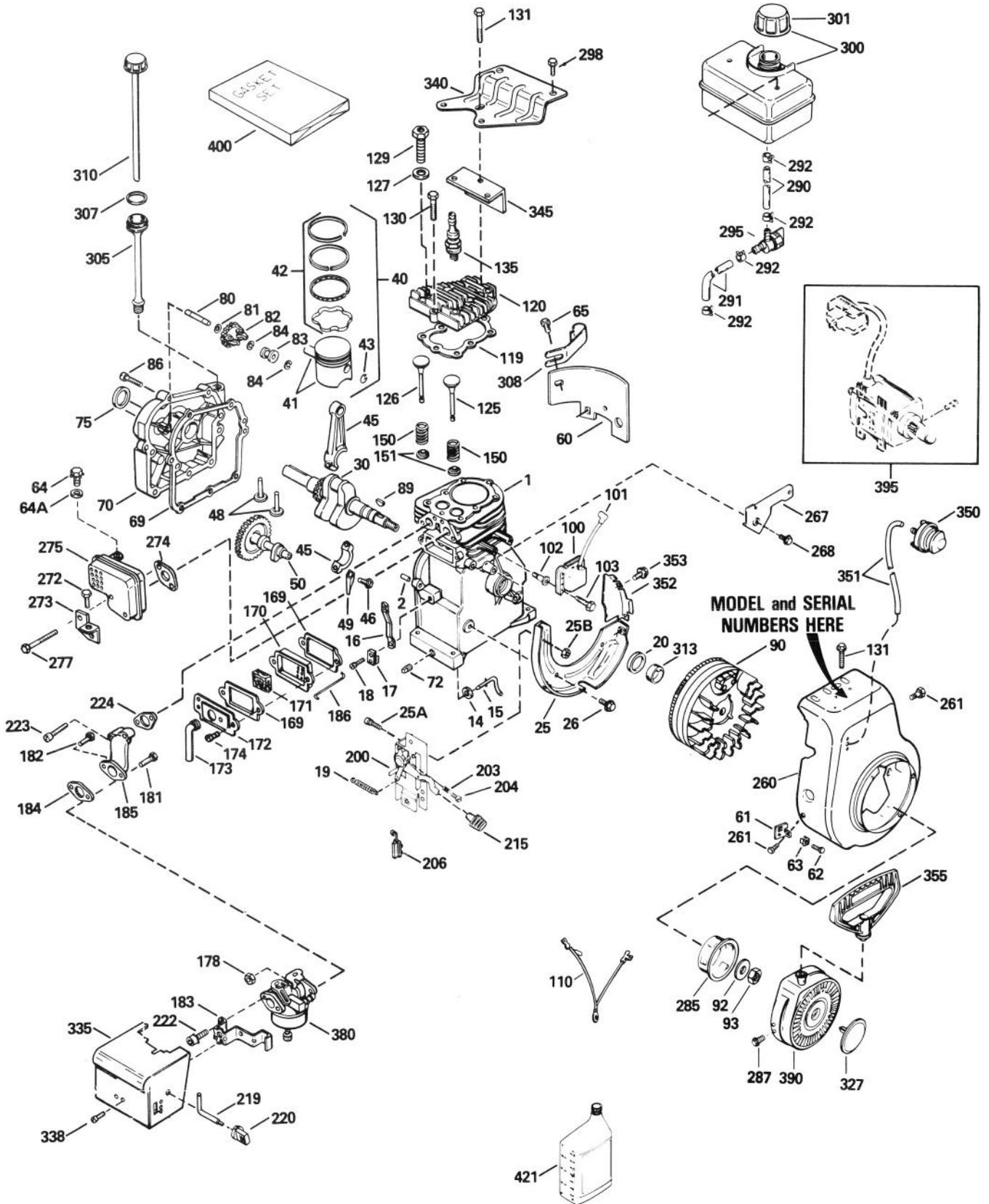
C-0039

## HANDLE ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
43	52-5561	Handle - Right (Model 38052)	1	46	3229-11	Bolt - Carriage	2
*	52-5560	Handle - Right (Model 38054)	1	47	40-8130	Spacer - Speed Selector	1
44	43-7360	Panel - Escutcheon	1	48	37-9150	Spring	1
45	66-6560	Decal - 521	1	49	32128-13	Nut - Flange Lock	1
				50	3256-24	Washer	1
				*	3290-378	Cable Tie	2

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# ENGINE TECUMSEH MODEL HSSK50-67259L



# ENGINE TECUMSEH MODEL HSSK50-67259L

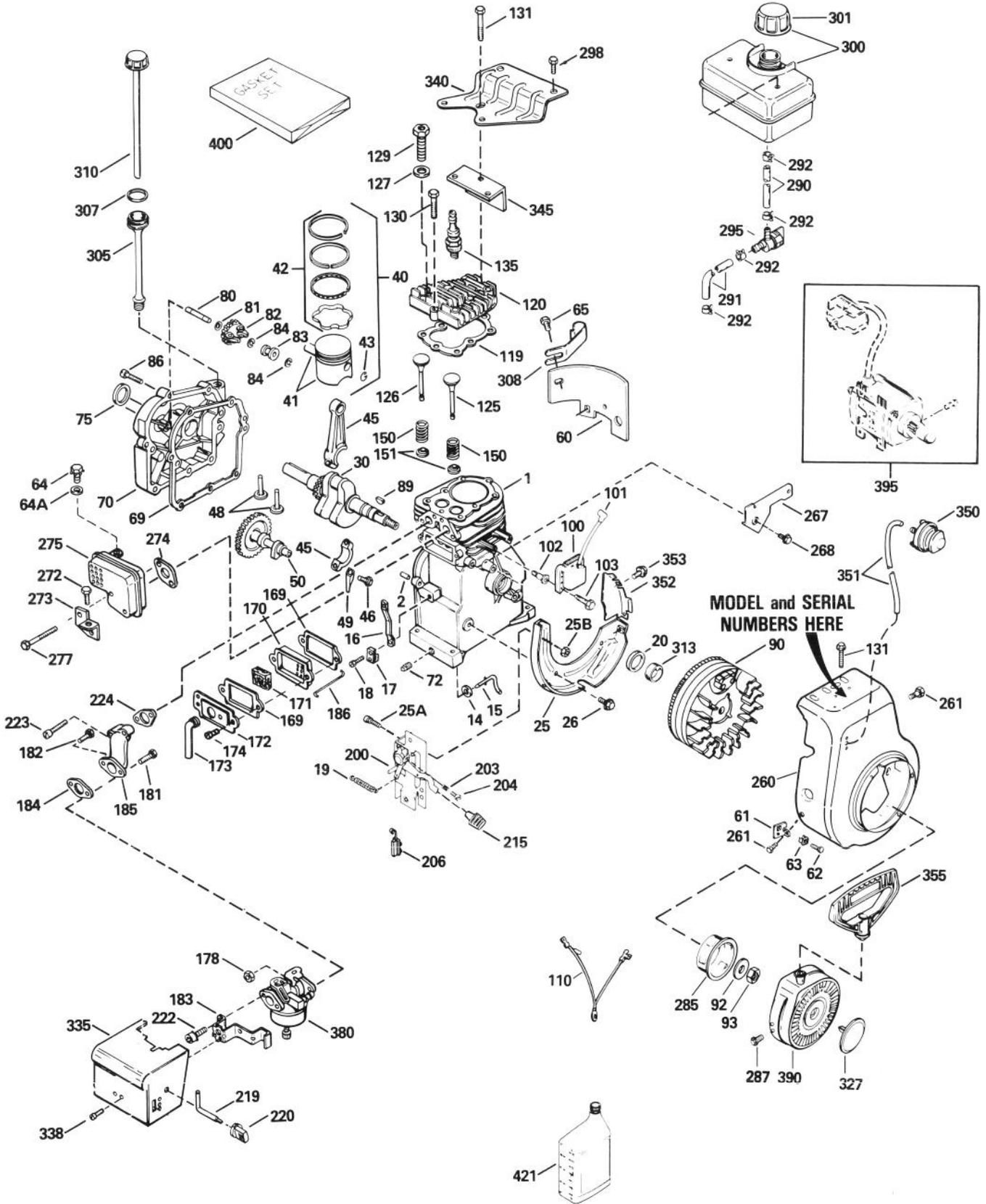
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	33674B	Cylinder Assembly (Incl. ref. #2, 20 & 72)	1	83	30588A	Spool - Governor	1
2	26727	Pin - Dowel	2	84	29193	Ring - Retaining	2
14	28277	Washer - Flat	1	86	650488	Screw - Hex Hd.	7
15	31334	Rod - Governor	1	89	610961	Key - Flywheel	1
16	31510	Lever - Governor	1	90	611081	Flywheel - w/Ring Gear	1
17	31335	Clamp - Governor Lever	1	92	650815	Washer - Belleville	1
18	650548	Screw - Hex Washer Hd.	1	93	650863	Nut - Flywheel	1
19	31426	Spring - Extension	1	100	34443A	Solid State Assembly	1
20	32600	Seal - Oil	1	101	610118	Cover - Spark Plug	1
25	33342†	Baffle - Blower Housing	1	102	650872	Stud	2
25A	650139†	Screw - Fil Hd.	2	103	650814	Screw - Torx	2
25B	30322†	Nut - Lock	2	110	35557	Wire - Ground	1
26	650561	Screw - Hex Washer Hd.	2	119	*33554A	Gasket - Cylinder Head	1
30	34740	Crankshaft Assembly	1	120	33016A	Head - Cylinder (Incl. ref. #131)	1
40	34535	Piston - Pin & Ring Assy. Std. (Incl. ref. #41-43)	1	125	29313C	Valve - Exhaust Standard (Incl. ref. #151)	1
	34536	Piston - Pin & Ring Assy .010 oversize (Incl. ref. #41-43)	1		29315C	Valve - Exhaust 1/32" oversize (Incl. ref. #151)	1
	34537	Piston - Pin & Ring Assy .020 oversize (Incl. ref. #41-43)	1	126	32644A	Valve - Intake Standard (Incl. ref. #151)	1
41	33562B	Piston & Pin Assy. Std. (Incl. ref. #43)	1		32645A	Valve - Intake 1/32" oversize (Incl. ref. #151)	1
	33563B	Piston & Pin Assembly .010 oversize (Incl. ref. #43)	1	127	650691	Washer - Flat	1
	33564B	Piston & Pin Assembly .020 oversize (Incl. ref. #43)	1	129	650818	Screw - Special	1
42	33567	Ring Set - Piston Std.	1	130	6021A	Screw - Hex Flange Hd.	2
	33568	Ring Set - Piston .010 oversize	1	131	650694A	Screw - Hex Flange Hd.	5
	33569	Ring Set - Piston .020 oversize	1	135	35395	Plug - Spark (Champion RJ-19LM or equivalent)	1
43	20381	Ring - Piston Pin Retaining	2	150	31672	Spring - Valve	2
45	32875	Connecting Rod Assembly (Incl. ref. #46 & 49)	1	151	31673	Cap - Valve Spring	2
46	32610A	Bolt - Connecting Rod	2	169	*27234A	Gasket - Valve Cover	2
48	27241	Lifter - Valve	2	170	27666	Body - Valve Cover	1
49	32654	Dipper - Oil	1	171	31410	Element - Valve Body	1
50	33158	Camshaft	1	172	34146	Cover - Breather	1
60	29745	Extension - Blower	1	173	35350	Tube - Breather	1
61	34126	Bracket - Grommet Mtg.	1	174	650128	Screw - Hex Hd.	2
62	650760	Screw - Pan Hd.	1	178	29752	Nut & Lockwasher	2
63	28545	Grommet - Plastic	1	181	6201	Screw - Hex Hd.	1
64	30063	Screw - Hex Washer Hd.	1	182	650870	Screw - Hex Hd.	1
64A	8345	Washer - Flat	1	183	34583	Bracket - Choke	1
65	650128	Screw - Hex Hd.	1	184	*26756	Gasket - Carburetor	1
69	*27677A	Gasket - Cylinder Cover	1	185	33691	Pipe - Intake	1
70	34674B	Cover - Cylinder (Incl. ref. #75 & 80)	1	186	32698	Link - Governor to Throttle	1
72	27642	Plug - Pipe	2	200	33858A†	Control Assembly (Incl. ref. # 25A, 25B, 203, 204 & 206)	1
75	27897	Seal - Oil	1	203	31342	Spring - Compression	1
80	30574	Shaft - Governor	1	204	650549	Screw - Fil. Hd.	1
81	30590A	Washer - Flat	1	206	610973	Terminal Assembly	1
82	30591	Gear - Governor (Incl. ref. #81)	1	215	35440	Knob - Speed Control	1
				219	34582	Rod - Choke	1
				220	35438	Knob - Choke Control	1
				222	28820	Screw - Fil. Hd.	2
				223	650664	Screw - Fil Hd.	2
				224	*33673A	Gasket - Intake	1

\* indicated Parts included in Gasket Set ref.#400

† In original production the speed control assembly is riveted to the blower housing baffle.

Replacement Speed Control Assembly Includes screw and nuts. Baffle has threaded holes

# ENGINE TECUMSEH MODEL HSSK50-67259L



# ENGINE TECUMSEH MODEL HSSK50-67259L (Cont.)

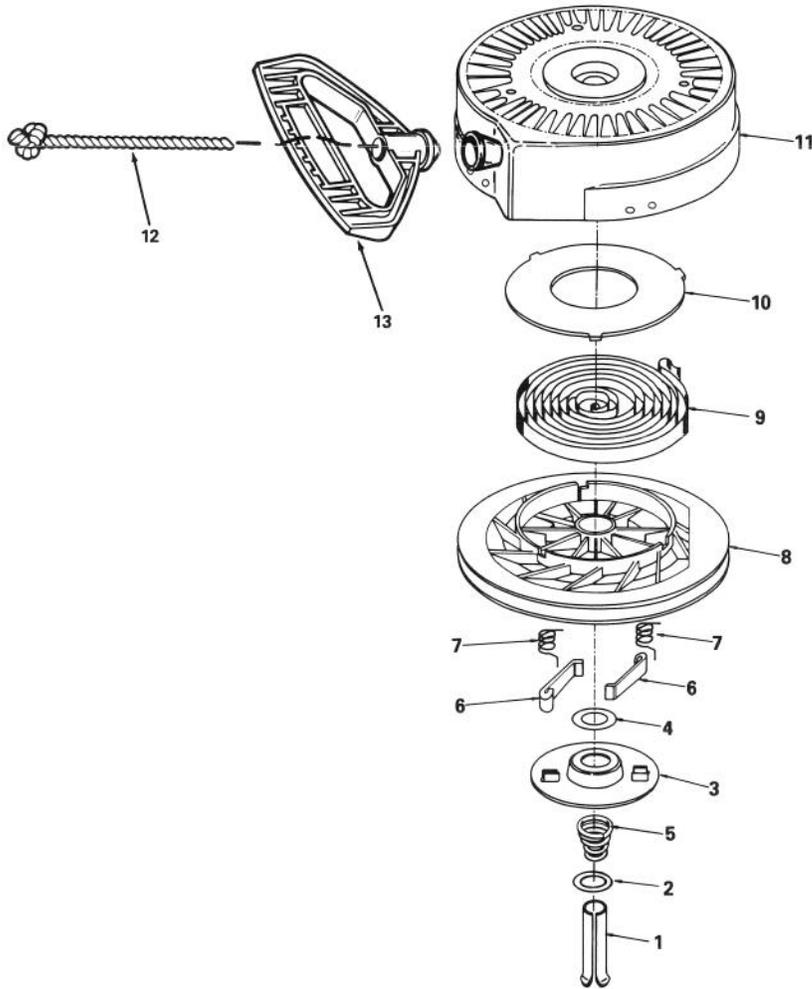
Ref. No.	Part No.	Description	No. Used
260	35656A	Housing - Blower	1
261	29212	Screw - Hex Hd.	2
267	34212	Bracket - Hold Down	1
268	30200	Screw - Hex Washers Hd.	1
272	650735	Screw - Hex Hd.	1
273	33333	Bracket - Carburetor Cover	1
274	*33670A	Gasket - Exhaust	1
275	35771	Muffler (Incl. ref.# 274)	1
277	650327	Screw - Fil. Hd.	2
285	34694	Cup - Starter	1
287	650884	Screw - Hex Washer Hd.	2
290	29774	Line - Fuel	1
291	30705	Line - Fuel	1
292	26460	Clamp - Fuel Line	4
295	35857	Valve - Shut-Off	1
298	650665	Screw - Hex Washer Hd.	2
300	35584	Tank Assembly - Fuel (incl. ref. #292 & 301)	1
301	35355	Cap - Fuel Tank	1
305	35554	Tube Assy. - Oil Fill	1
307	35499	"O" Ring	1
308	35539	Clip -- Oil Fill	1

Ref. No.	Part No.	Description	No. Used
310	35556	Dipstick	1
313	34080	Spacer - Flywheel Key	1
327	35392	Plug - Starter	1
335	35072	Cover - Carburetor	1
338	650257	Screw - Pan Hd.	2
340	36247	Plate - Fuel Tank	1
342	30063	Screw w/Belleville Washer	1
342A	650675	Washer - Flat	1
345	33344	Baffle - Heat	1
350	570682	Primer Assembly	1
351	32180C	Line - Primer	1
352	35883	Extension - Baffle	1
353	650884	Screw - Hex Washer Hd.	1
355	590574	Handle - Starter	1
380	632107A	Carburetor (Incl. ref. #184)	1
390	590646	Starter - Rewind	1
395B	33290D	Electric Starter Kit (Optional)	1
400	33683B	Gasket Set	1
421	730226	Oil - 4 Cycle SAE5W30 (Quart)	1

\* indicated Parts included in Gasket Set ref.#400

† In original production the speed control assembly is riveted to the blower housing baffle.

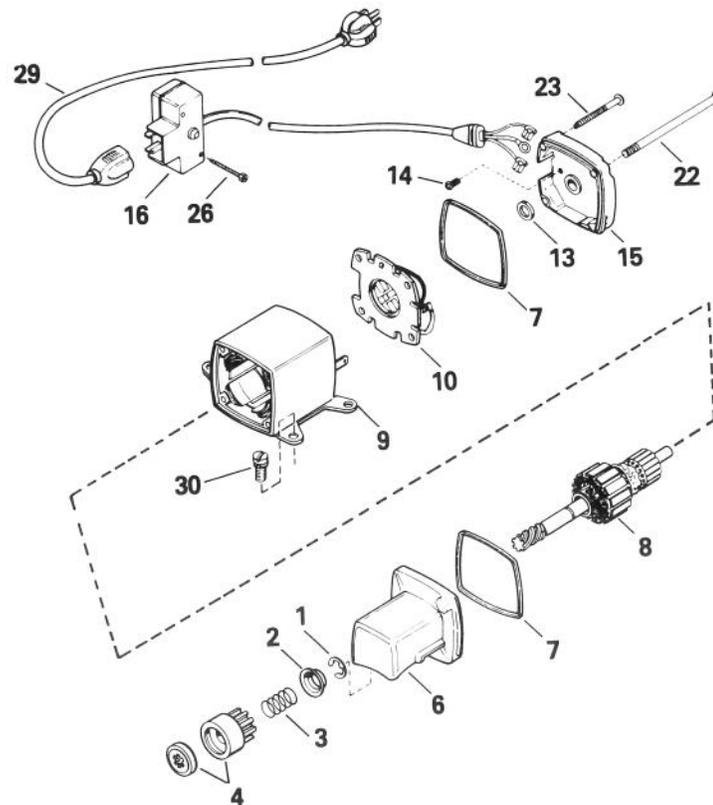
Replacement Speed Control Assembly Includes screw and nuts. Baffle has threaded holes



### REWIND STARTER NO. 590646

Ref. No.	Part No.	Description	No. Used
1	590599A	Pin - Spring (Incl. Ref. #4)	1
2	590600	Washer	1
3	590615	Retainer	1
4	590601	Washer	1
5	590598	Spring - Brake	1
6	590616	Dog - Starter	2
7	590617	Spring - Dog	2
8	590645	Pulley	1

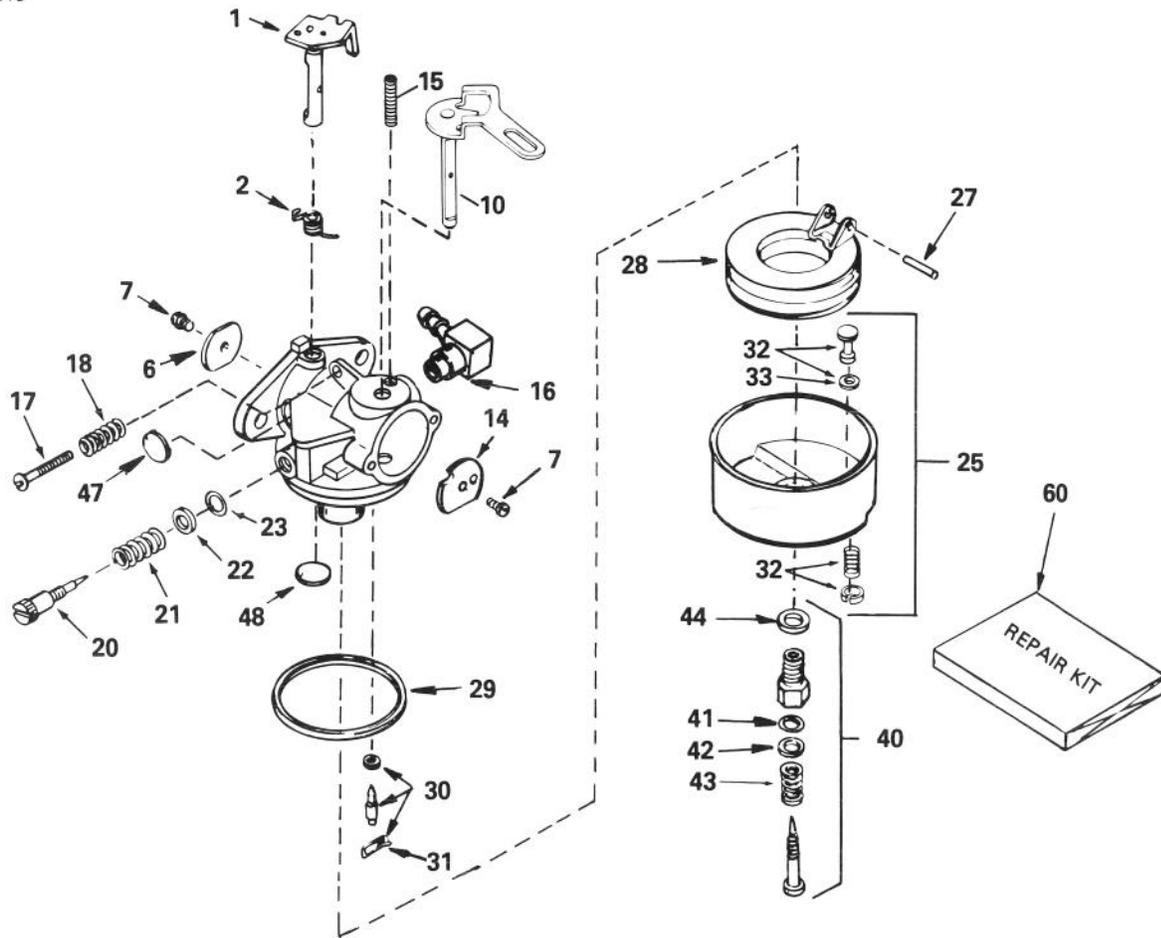
Ref. No.	Part No.	Description	No. Used
9	590619	Spring - Rewind	1
10	590620	Cover - Spring	1
11	590647	Housing Assembly	1
12	590535	Rope - 9/64" dia. x 98" long	1
13	590574	Handle - Mitten Grip (Not included with Starter)	1
*	590646	Starter - Rewind	1



## ELECTRIC STARTER MOTOR KIT NO. 23-3790

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	31749	Ring - Retainer	1	14	33441	Screw - Ground	1
2	33522	Retainer - Spring	1	15	35453	Cap Assembly (Incl. Ref. #7)	1
3	33769	Spring - Anti / Drift	1	16	35454	Box Assembly - Switch (Incl. Ref. #26)	1
4	33524	Nut & Gear	1	22	35462	Bolt - Case	1
6	35461	Cap Assembly (Incl. Ref. #7)	1	23	35456	Screw - Grounding	1
7	35450	"O" Ring	1	26	650819	Screw - Hex. Hd.	1
8	35460	Armature	1	29	32450A	Cord - Extension	1
9	35459	Housing Assembly	1	30	650759	Screw - Hex. Hd.	1
10	35452	Card Assembly	1	*	33290D	Motor - Electric Starter	1
13	590500	Washer - Thrust	1				

Note: Order individual parts from your local Tecumseh dealer.



## CARBURETOR NO. 632107A

Ref. No.	Part No.	Description	No. Used
1	631615	Shaft & Lever Assembly	1
2	631767	Spring - Throttle Return	1
6	631036	Shutter - Throttle	1
7	650506	Screw	2
10	632108	Shaft & Lever Assy. (Choke)	1
14	631815	Shutter - Choke	1
15	630735	Spring - Choke Stop	1
16	631807	Fitting - Fuel Inlet	1
17	650417	Screw - Idle	1
18	630766	Spring - Idle Screw	1
20	631838†	Screw - Idle	1
21	630766	Spring - Idle Tension	1
22	630739	Washer - Flat	1
23	630740†	"O" Ring	1
25	631951	Bowl - Assembly (Incl. ref. #32 & 33)	1
27	631024†	Shaft - Float	1
28	632019	Float - Carburetor	1
29	631028†	Gasket - Bowl-to-Body	1
30	631021†	Inlet Needle - Seat & Clip (Incl. Ref. #31)	1

Ref. No.	Part No.	Description	No. Used
31	631022	Clip - Inlet Needle	1
32	27136A	Drain Assembly - Bowl (Incl. ref. #33)	1
33	27554	Gasket - Drain Plunger	1
40	31839†	Screw Adjustment Assembly (Incl. Ref. #41-44)	1
41	630740†	"O" Ring - High Speed Mixture Screw	1
42	630739	Washer - Flat High Speed Mixture Screw	1
43	630738	Spring	1
44	27110†	Washer - Bowl Nut	1
47	630748†	Plug - Welch	1
48	631027†	Plug - Welch	1
60	31840	Repair Kit (Incl. Items Marked †)	1
*	632107A	Carburetor (Incl. ref. #1-60)	1

\* Not Illustrated



