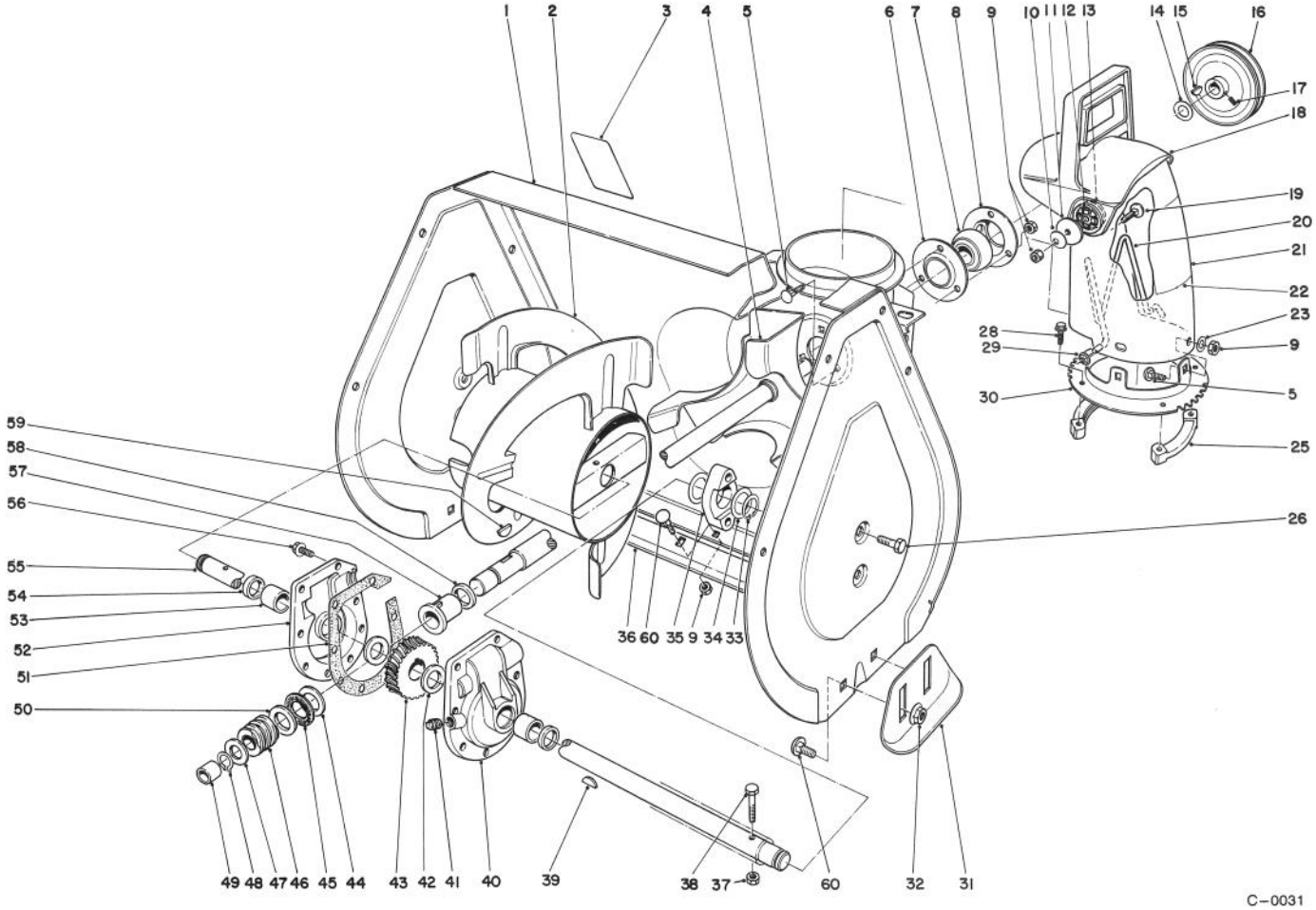
FORM NO. 3315–673

TORO®

MODEL NO. 38052–3900001 & UP
MODEL NO. 38054–3900001 & UP

PARTS CATALOG

521 SNOWTHROWER



AUGER ASSEMBLY

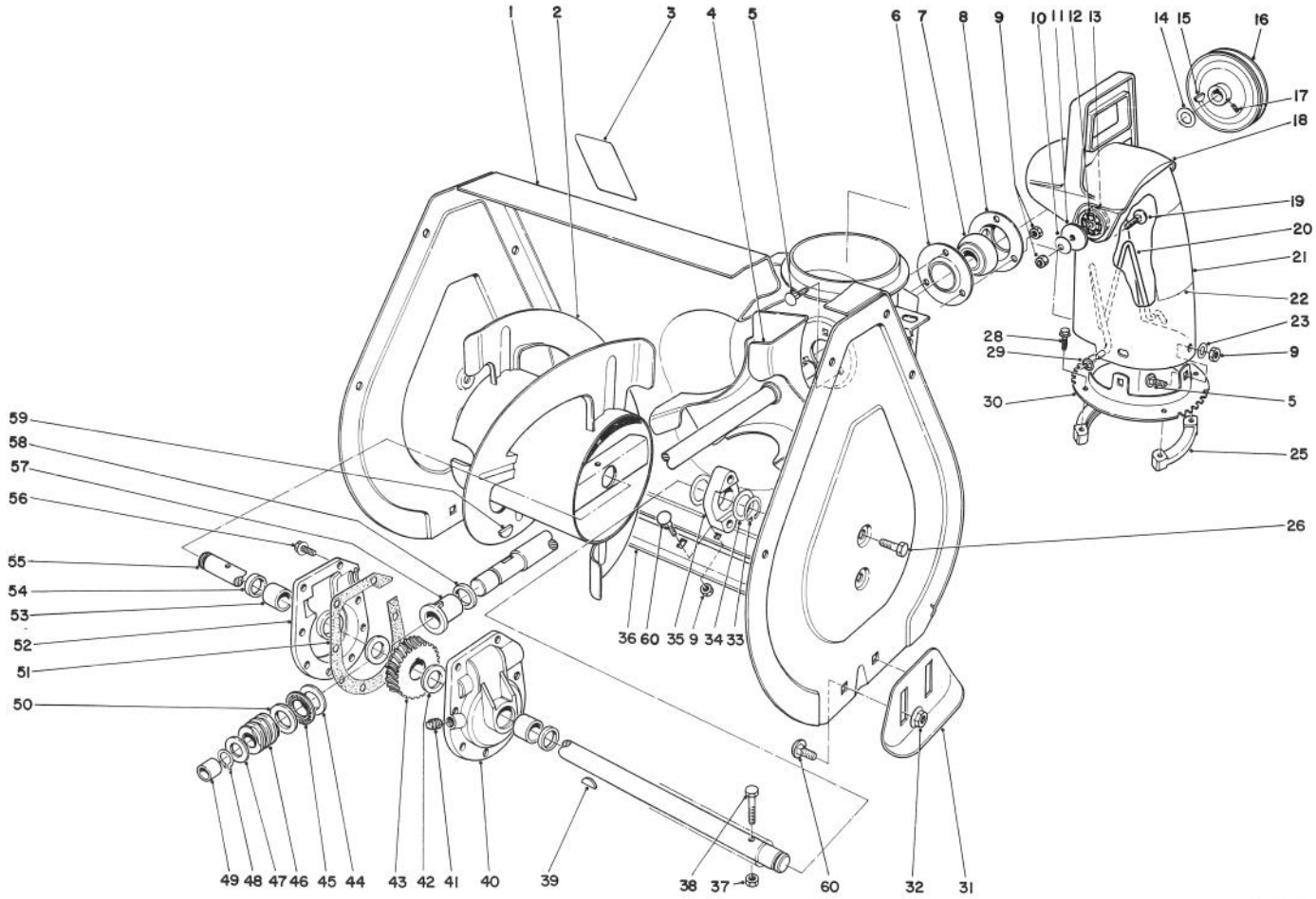
Ref. No.	Part No.	Description	No. Used
1	11–5269	Housing–Auger (Incl. ref. #3)	1
2	39–1180	Auger – R.H.	1
*	39–1190	Auger – L.H.	1
3	53–7670	Decal – Auger Warning	1
4	37–6990	Shaft & Impeller	1
5	3230–18	Bolt – Carriage	6
6		Flange – Bearing Front	1
7	63–3450	Bearing – Ball	1
8		Flange – Bearing Rear	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

*Not Illustrated

TPS

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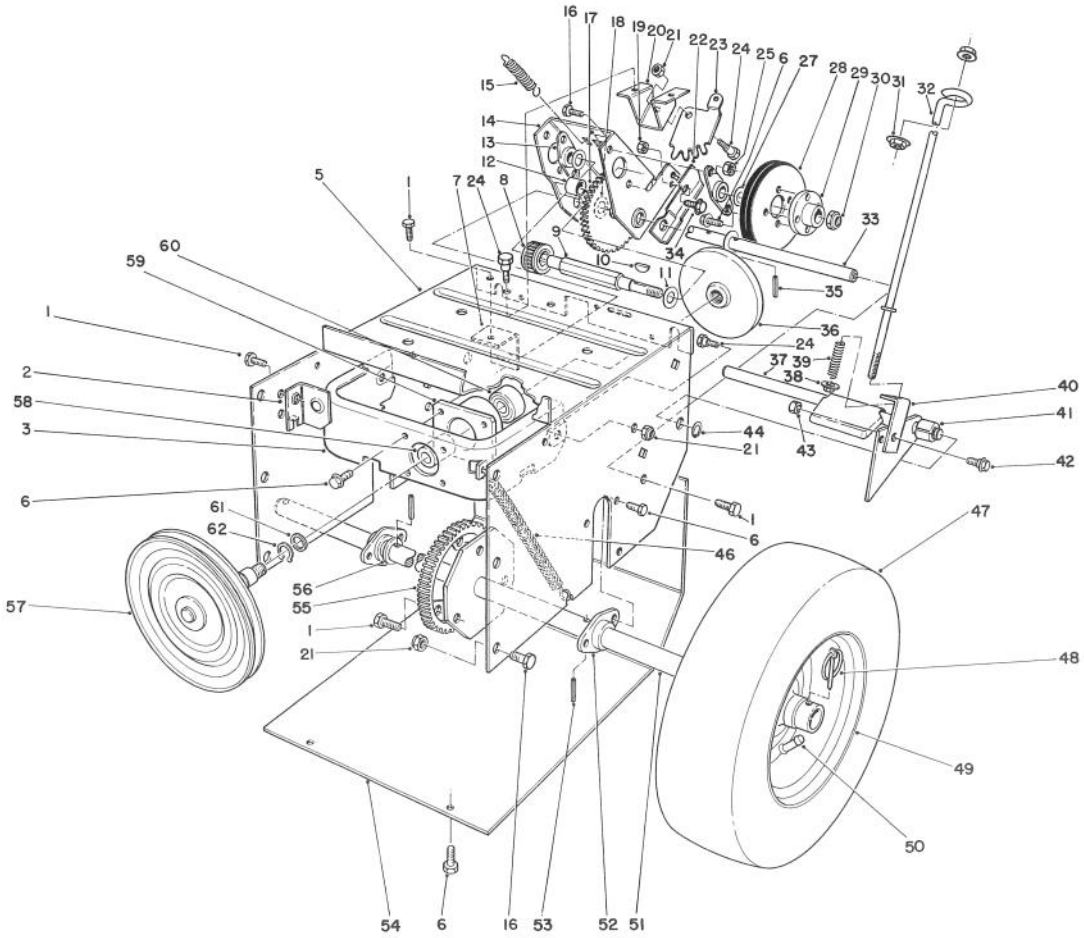
C–0031

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

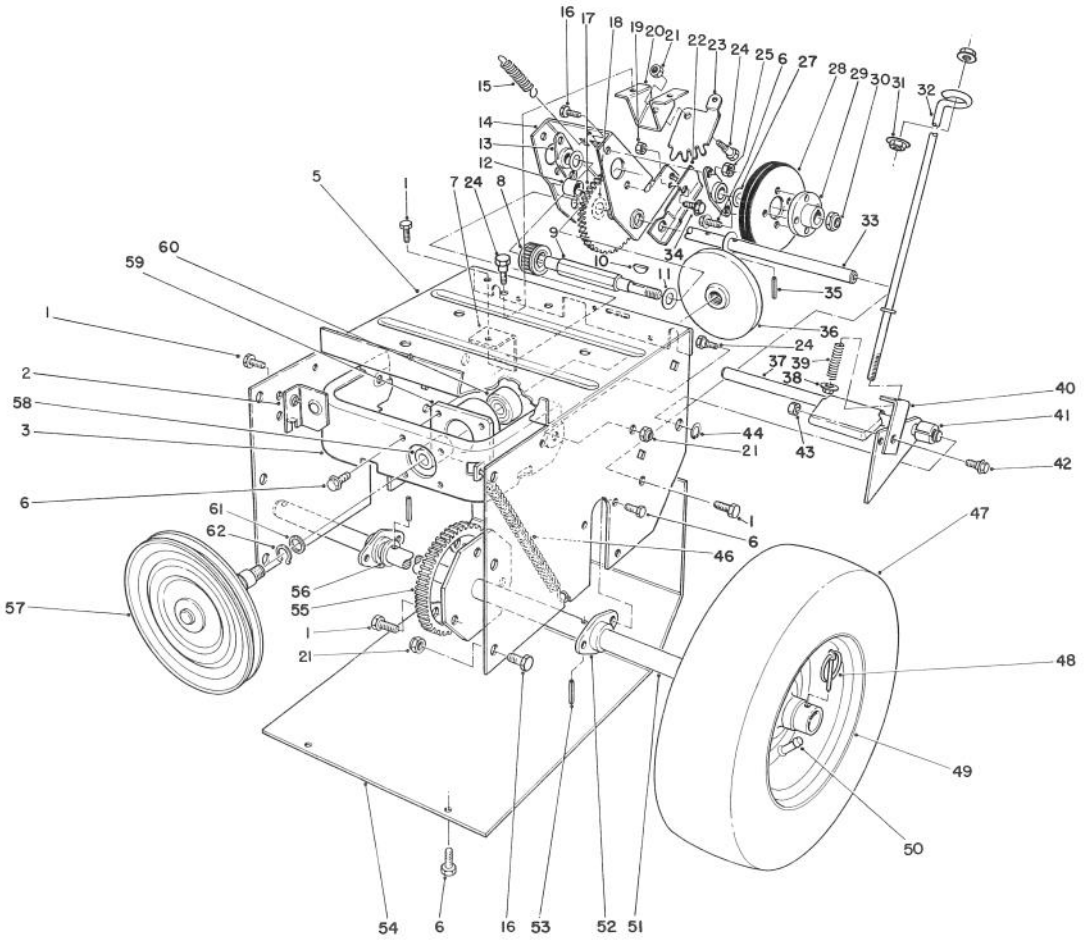


C–1277

TRACTION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144–70	Screw – Self Tap.Hex. Hd.	9
2	66–6790	Mount – Clutch Rod Front	1
3	88–0550	Frame – Friction Plate	1
5	37–8900	Frame – Traction	1
6	32144–4	Screw – Self Tap.Hex. Hd.	16
7	37–9070	Mount – Clutch Rod Rear	1
8	37–6500	Gear – Sliding	1
9	37–6780	Shaft – Hex	1
10	3257–24	Key	1
11	5–7570	Washer – Thrust	2
12	256–86	Bushing	1
13	20–1620	Bearing – Friction Wheel	2
14	39–1230	Bracket – Sliding	1
15	37–8880	Spring – Traction Engage	1
16	322–2	Screw – Hex. Hd. Cap	10
17	37–9160	Intermediate Gear & Bushing (Incl. Ref. #12)	1
18	10–9280	Washer – Thrust	2
19	3296–16	Nut – Lock	1
20	37–8790	Mount – Quadrant Gear	1
21	3296–29	Nut – Lock	9
22	39–1250	Cam – Receiver	1
23	37–8800	Quadrant – Gear	1

Ref. No.	Part No.	Description	No. Used
24	37–8770	Bolt – Shoulder	3
25	3296–29	Nut – Lock	4
27	36–4790	Washer – Thrust	2
28	37–6570	Wheel – Friction	1
29	39–1520	Hub – Friction Wheel Mount	1
30	3296–48	Nut – Lock	1
31	32128–33	Nut – Flange	2
32	39–3060	Rod – Lower Traction	1
33	37–6760	Shaft – Pivot	1
34	321–4	Screw – Hex. Hd.	1
35	32121–45	Pin – Roll	2
36	38–0800	Plate – Friction	1
37	88–0750	Traction Engagement Assy.	1
38	32128–32	Nut – Flange	1
39	38–4520	Spring – Compression	1
40	38–4490	Bracket – Traction	1
41	40–9680	Spacer	1
42	40–8350	Screw – Shoulder	1
43	3296–42	Nut – Lock	1
44	32151–61	Ring – Retaining	1
46	37–8870	Spring – Friction Plate Frame	1
47	231–120	Tire	2
48	3290–243	Pin – Klik	2



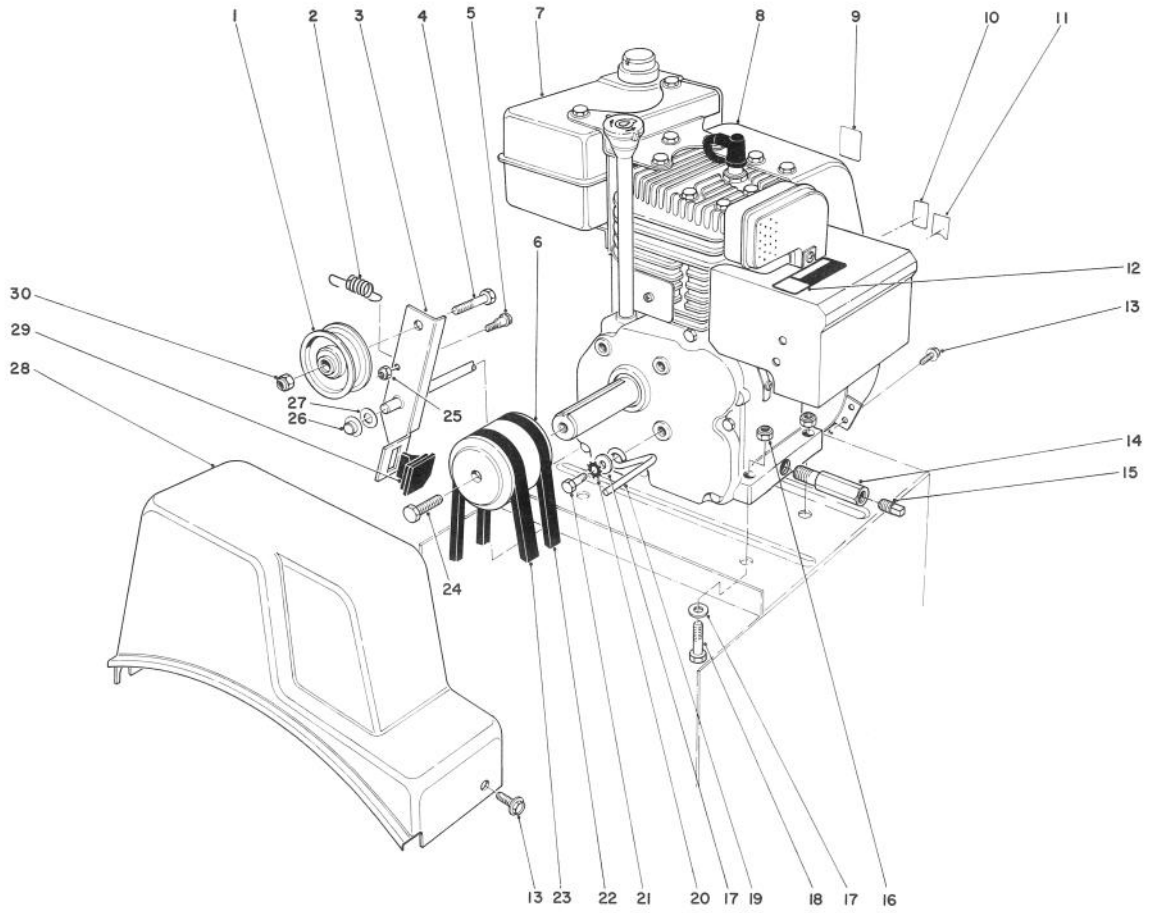
C-1277

TRACTION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	241-131	Rim	2
50	232-46	Tube	2
51	74-1350	Shaft - Axle	1
52	37-6850	Bearing - Axle	2
53	32121-31	Pin - Roll	2
54	37-6830	Cover - Bottom	1
55	37-6520	Gear - Axle	1
56	3-8664	Washer - Thrust	2

Ref. No.	Part No.	Description	No. Used
57	88-0850	Pulley & Shaft	1
58	256-322	Bushing	1
59	88-0560	Hub - Frame	1
60	38-7820	Bearing	1
61	257-12	Washer - Thrust	1
62	32151-103	Ring - Snap	1
*	56-2700	Tire Chain Kit (Optional)	1

*Not Illustrated



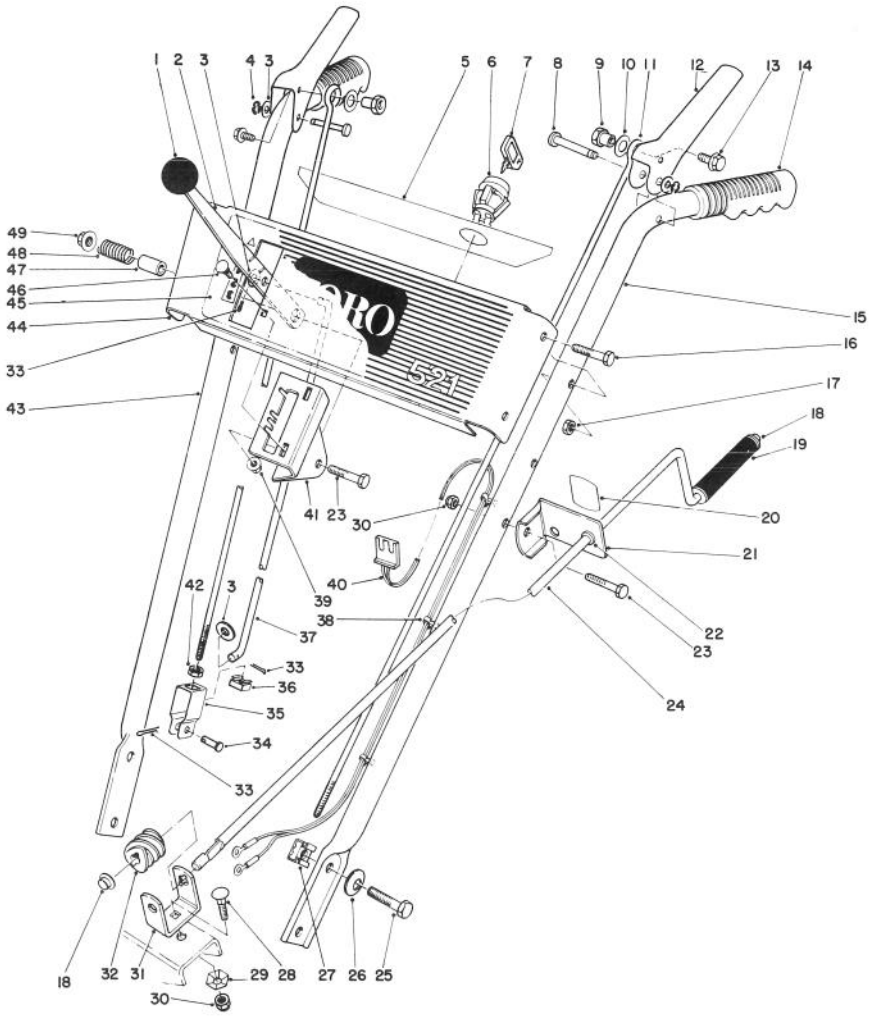
C–0038

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3–4244	Idler Pulley	1
2	53–7570	Spring – Auger Disengage	1
3	14–7959	Auger Clutch (Incl. ref. #29)	1
4	323–29	Screw – Cap	1
5	42–3560	Bolt – Shoulder	1
6	43–7370	Engine Pulley	1
8		Engine	1
9	62–5760	Decal – Primer	1
10	63–2450	Decal – Throttle	1
11	39–3850	Decal – Choke (Model 38052)	1
*	63–2410	Decal – Choke (Model 38054)	1
12	66–6840	Decal – Hot Surface Warning (Model 38052)	1
*	63–2310	Decal – Hot Surface Warning (Model 38054)	1
13	32144–4	Screw – Self Tapping	3

Ref. No.	Part No.	Description	No. Used
14	49–3040	Tube – Drain	1
15	281–7	Plug – Pipe	1
16	3296–29	Nut – Lock	4
17	3256–23	Washer – Flat	5
18	322–7	Screw – Cap	4
19	37–8990	Retainer – Belt	1
20	3255–8	Washer –Lock Ext. Tooth	1
21	3210–3	Screw – Cap	1
22	37–9090	V–Belt – Traction	1
23	37–9080	V–Belt – Auger	1
24	43–7290	Screw – Special	1
25	3296–56	Nut – Lock	1
26	3290–320	Nut – Push On	1
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

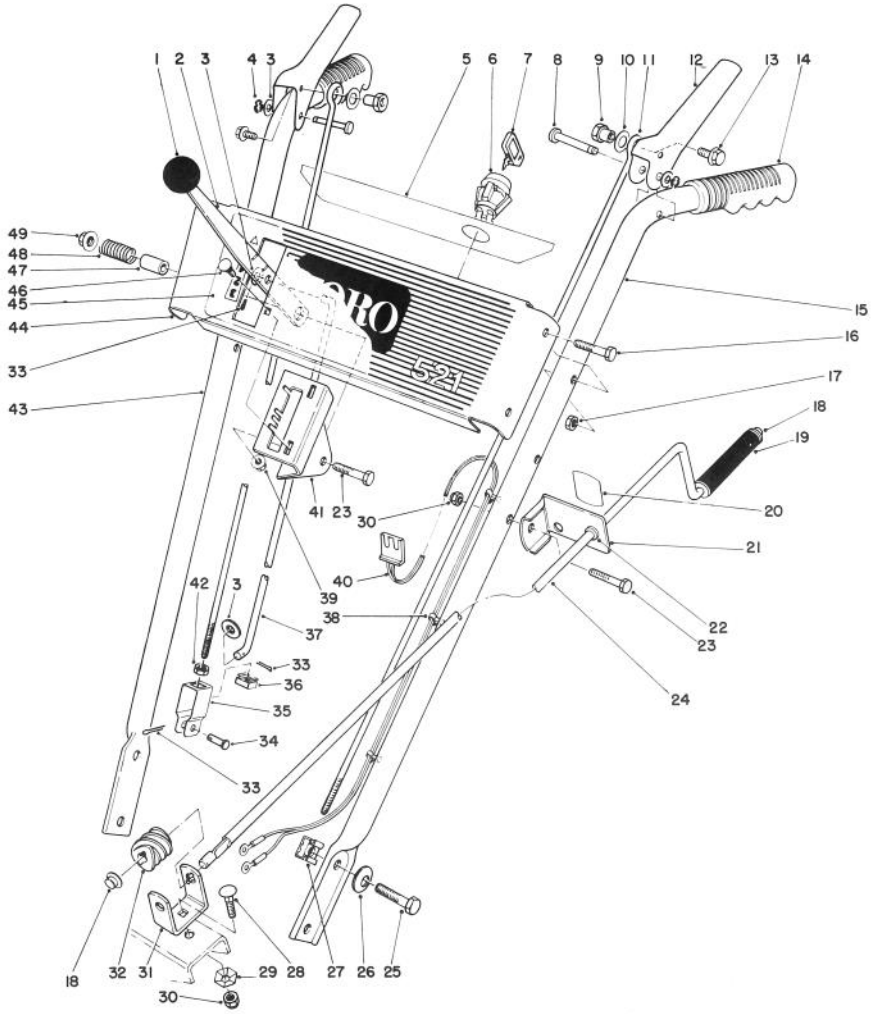


HANDLE ASSEMBLY

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

*Not Illustrated



C–0039

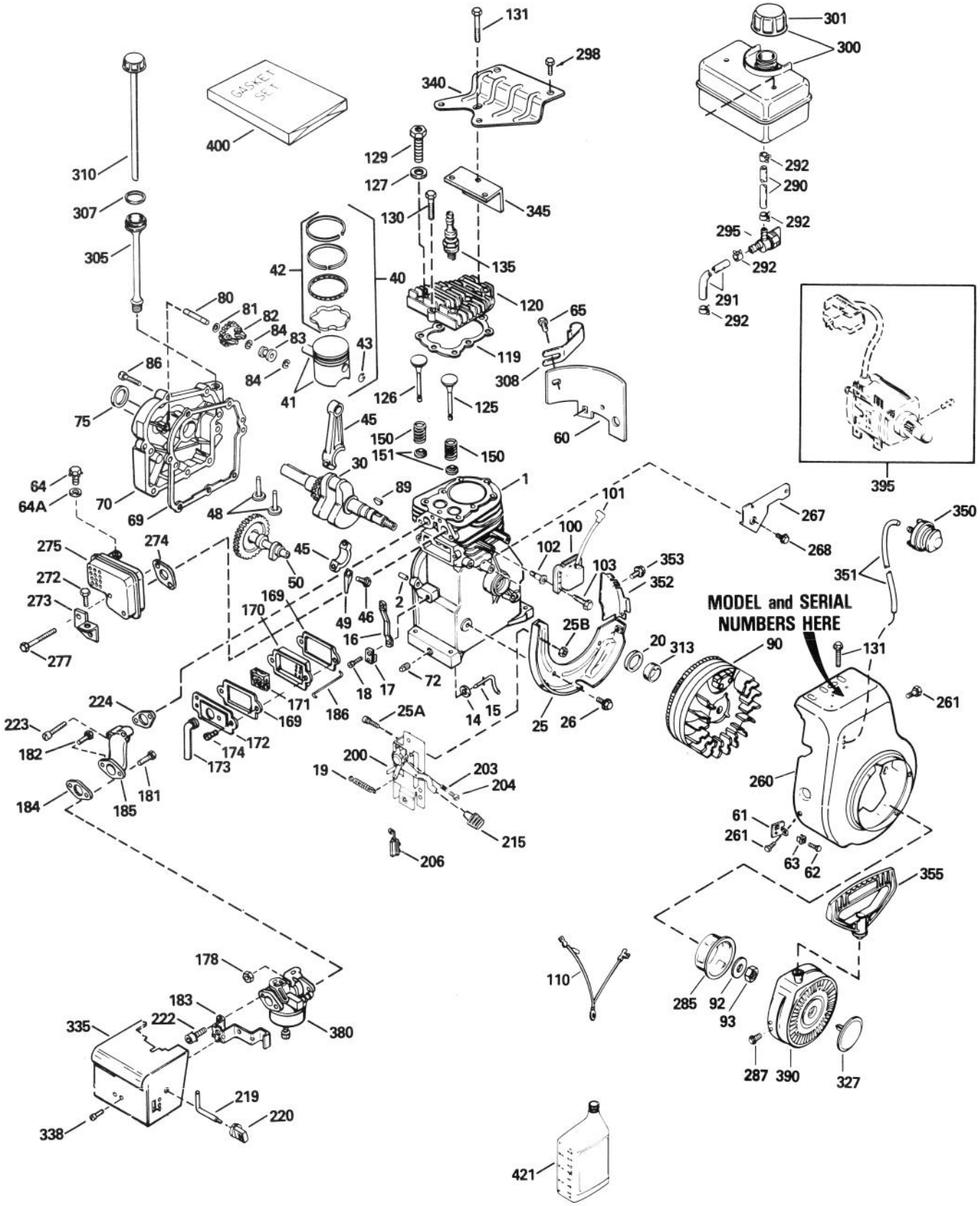
HANDLE ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used
43	52–5561	Handle – Right (Model 38052)	1
*	52–5560	Handle – Right (Model 38054)	1
44	43–7360	Panel – Escutcheon	1
45	66–6560	Decal – 521	1

Ref. No.	Part No.	Description	No. Used
46	3229–11	Bolt – Carriage	2
47	40–8130	Spacer – Speed Selector	1
48	37–9150	Spring	1
49	32128–13	Nut – Flange Lock	1
50	3256–24	Washer	1
*	3290–378	Cable Tie	2

*Not Illustrated

ENGINE TECUMSEH MODEL HSSK50-67259L



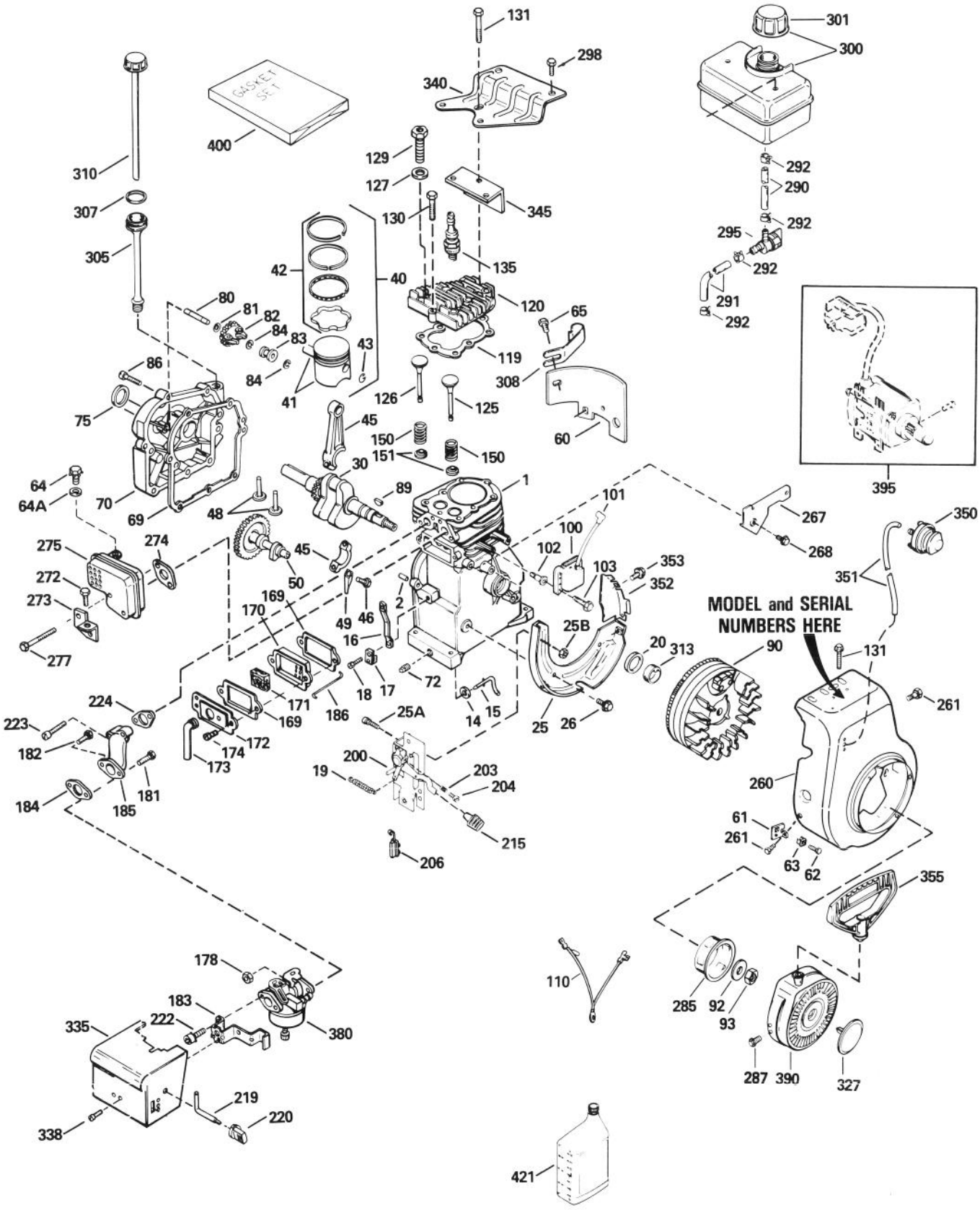
ENGINE TECUMSEH MODEL HSSK50–67259L

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



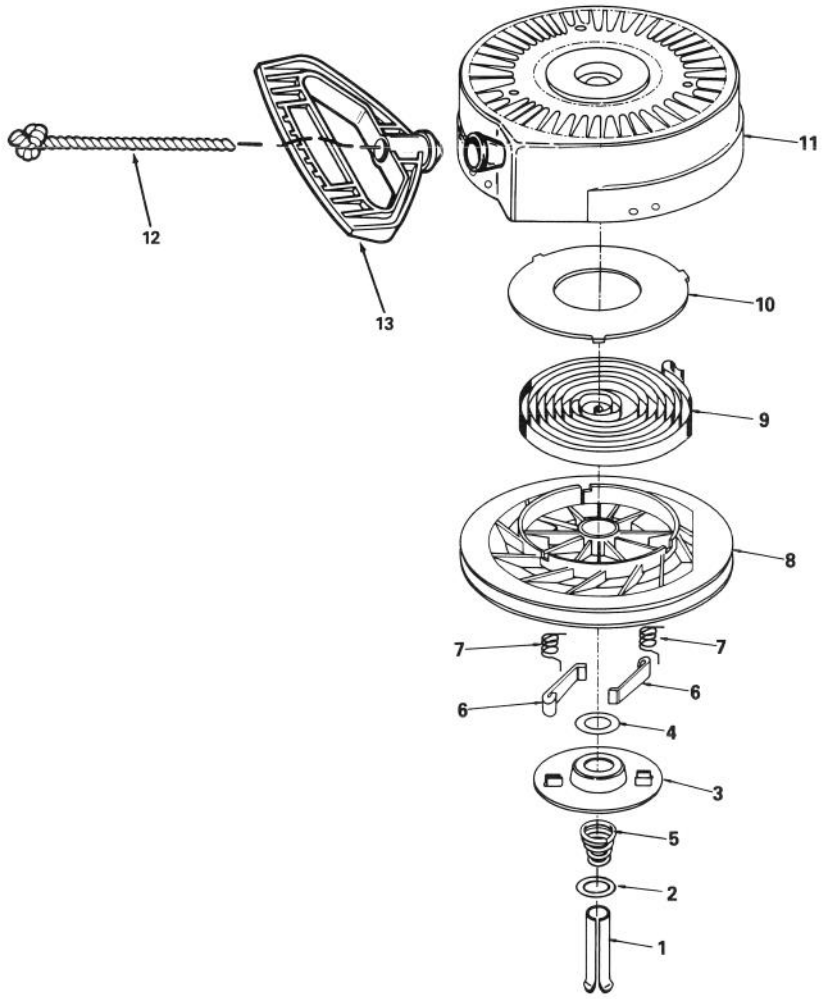
ENGINE TECUMSEH MODEL HSSK50–67259L (Cont.)

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

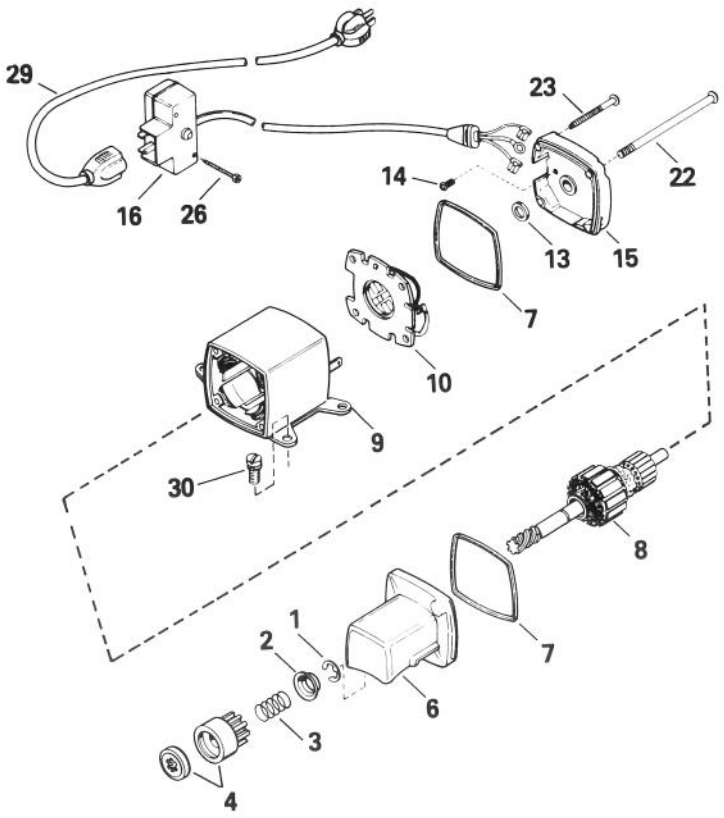
† In original production the speed control assembly is riveted to the blower housing baffle. Replacement Speed Control Assembly Includes screw and nuts. Baffle has threaded holes



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

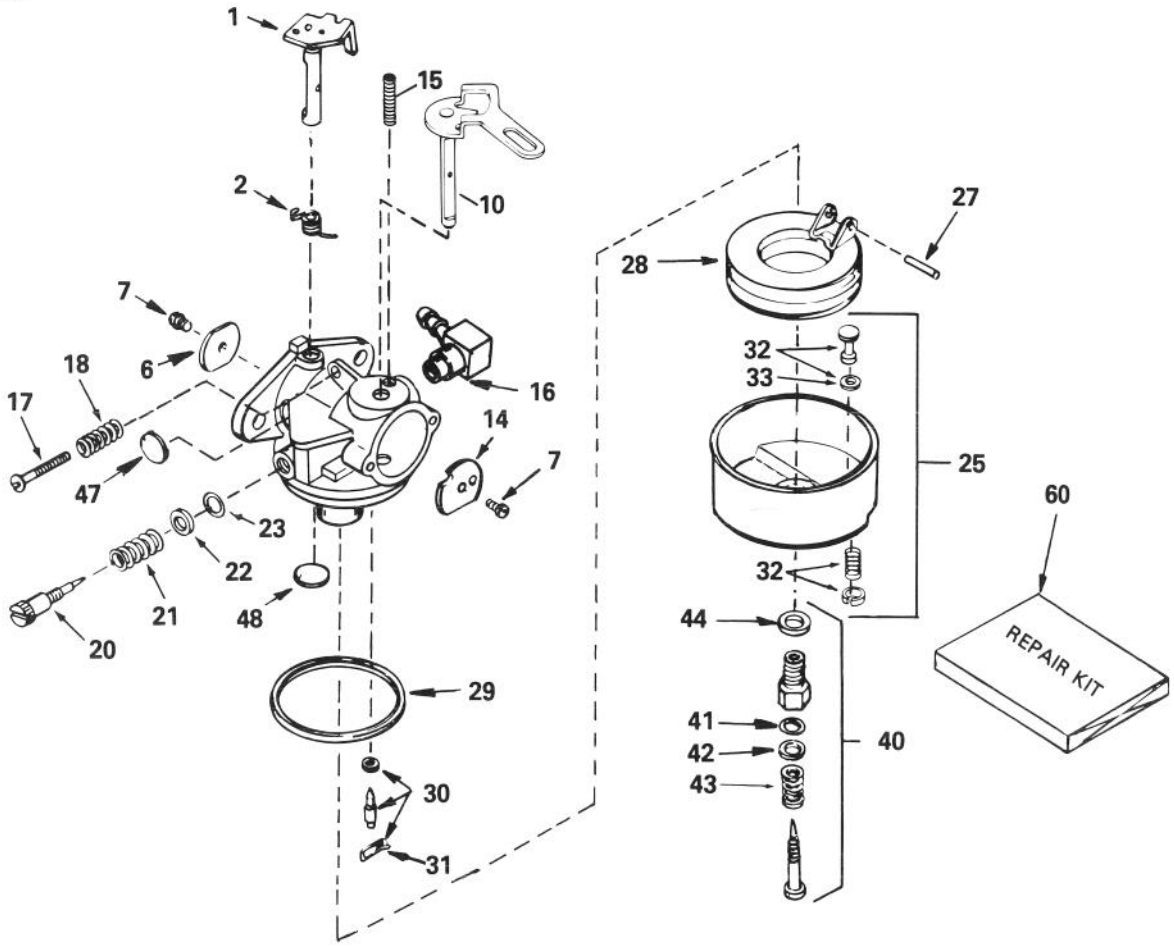
Ref. No.	Part No.	Description	No. Used
9	590619	Spring – Rewind	1
10	590620	Cover – Spring	1
11	590647	Housing Assembly	1
12	590535	Rope – 9/64" dia. x 98" long	1
13	590574	Handle – Mitten Grip (Not included with Starter)	1
*	590646	Starter – Rewind	1



ELECTRIC STARTER MOTOR KIT NO. 23–3790

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

MAINTENANCE RECORD

Date								

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Snowthrower has two identification numbers; a model number and a serial number. The two numbers are stamped on a decal which is located on the rear of the engine frame. In any correspondence concerning the lawnmower, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:

1. Model and serial number of the Snowthrower.
2. Part number, description, and the quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

MAINTENANCE RECORD

Date								

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.