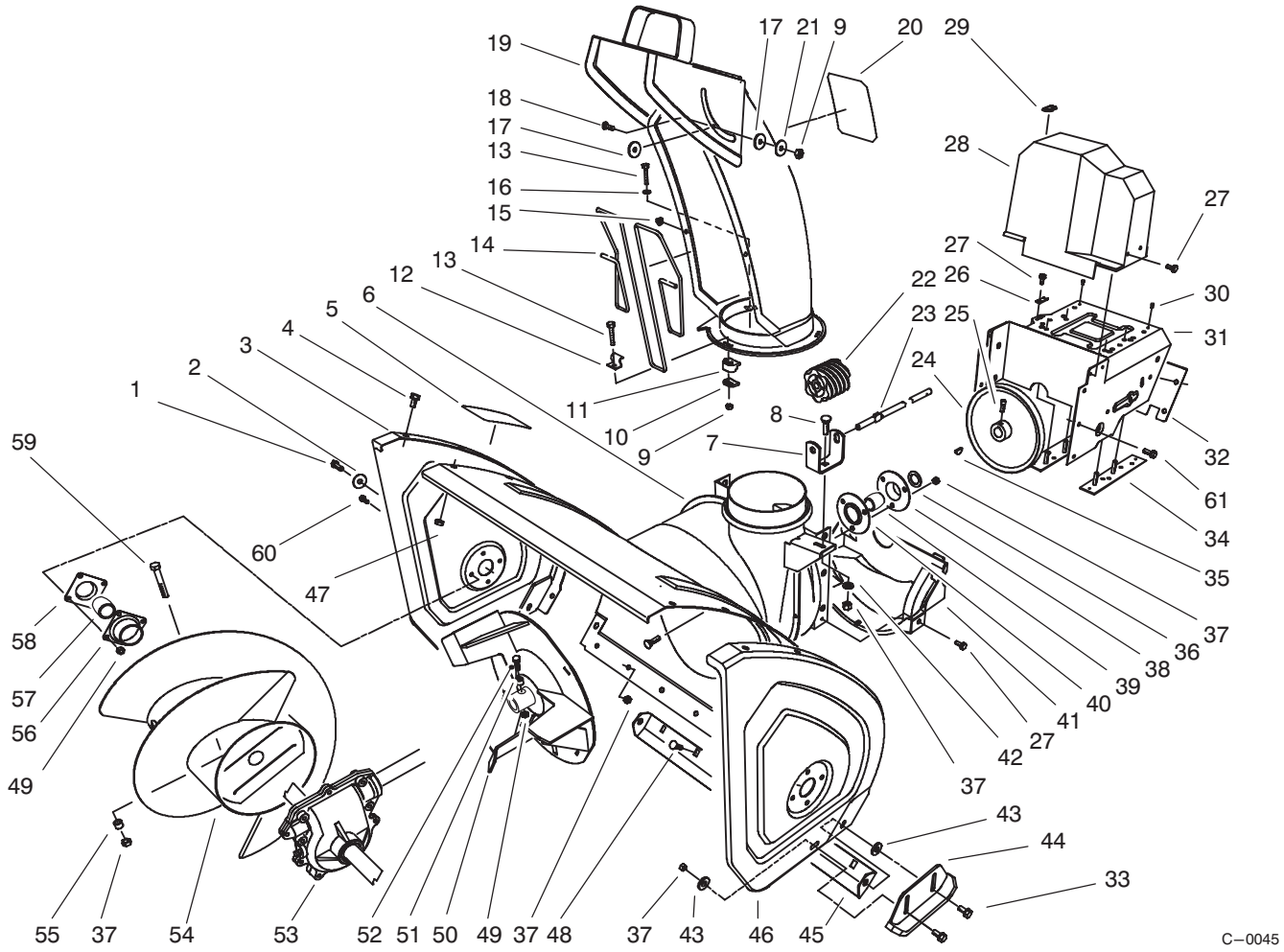
FORM NO. 3319–722

TORO®

MODEL NO. 38540–8900001 & UP
MODEL NO. 38543–8900001 & UP

PARTS CATALOG

824 POWER SHIFT®
SNOWTHROWER



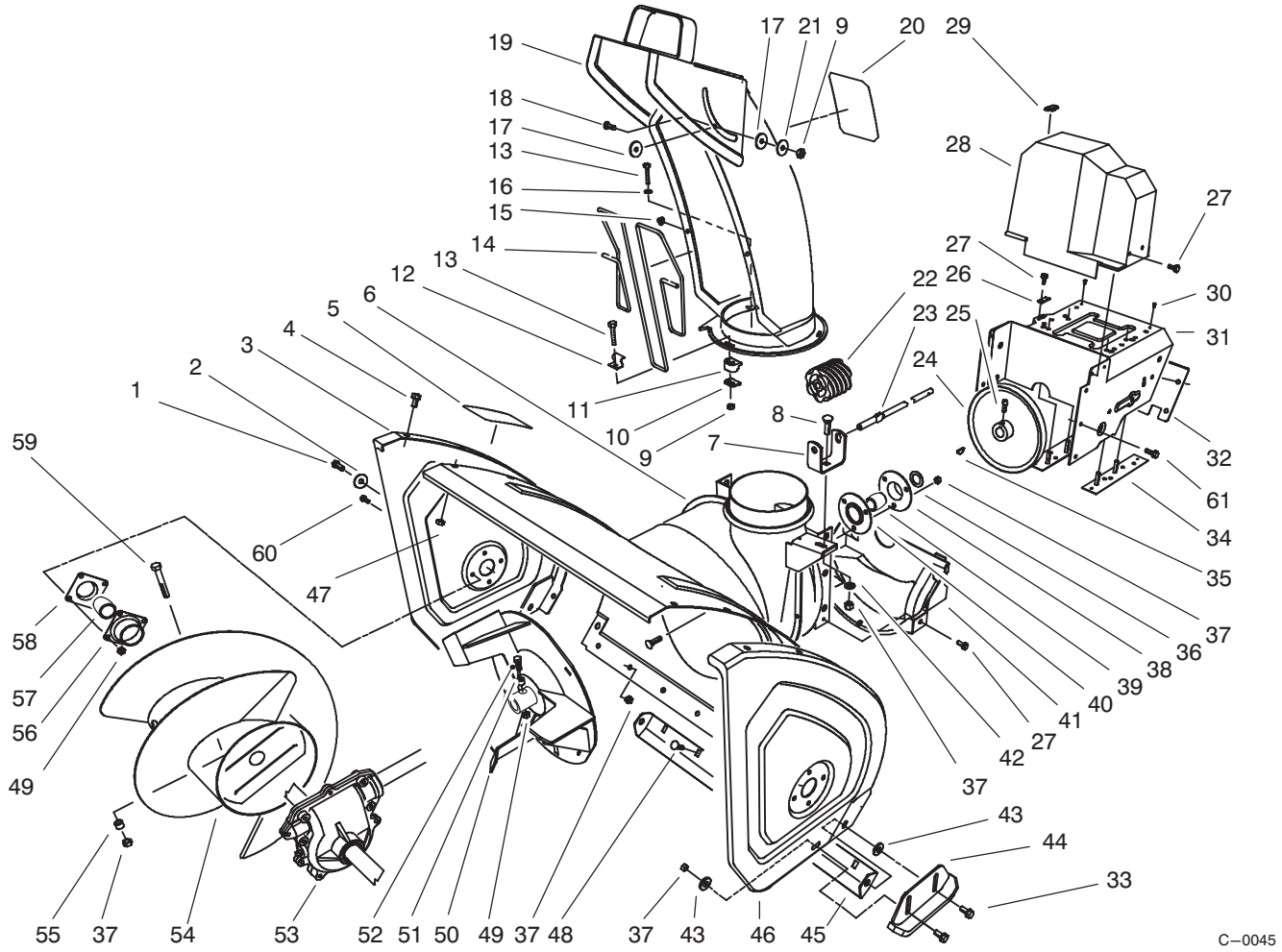
HOUSING & CHUTE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323–4	Screw – Hex. Hd.	2
2	3–0750	Washer – Retaining	2
3	66–7821	Plate – Side R.H.	1
4	3234–28	Screw – Hex. Flange Hd.	12
5	53–7670	Decal – Danger Auger (Model No. 38540)	1
*	94–2568	Decal – Danger Auger Model No. 38543	1
6	62–0720	Housing – 24”	1
7	63–2180	Bracket – Gear	1
8	3230–2	Bolt – Carriage	1
9	3296–2	Nut – Lock	4
10	63–2670	Plate – Chute Retainer	3
11	62–1430	Retainer – Chute	3
12	63–3130	Clip – Chute Guard	1
13	3274–13	Screw – Machine	3
14	63–3020	Guard – Chute	1
15	3290–326	Nut – Push	2
16	3256–14	Washer – Flat	1
17	63–2900	Washer – Plastic	2
18	32122–32	Screw	1
19	62–0840	Chute Assembly	1
20	94–8079	Decal – Danger Chute Model 38540	1
*	94–2559	Decal – Danger Chute (Model 38543)	1
21	3256–61	Washer – Flat	1
22	62–0820	Gear – Worm	1
23	62–1720	Rod – Chute Gear	1
24	62–1300	Pulley – Impeller	1
25	3242–4	Screw – Set Sq. Hd.	2
26	63–2300	Retainer – Cable	1
27	32144–4	Screw – Hex. Flange Hd.	5
28	63–2080	Cover – Belt (Upper)	1
29	63–3290	Cover – Cable	1
30	3269–23	Rivet	4

*Not Illustrated

© The TORO Company – 1997
All Rights Reserved

TPS

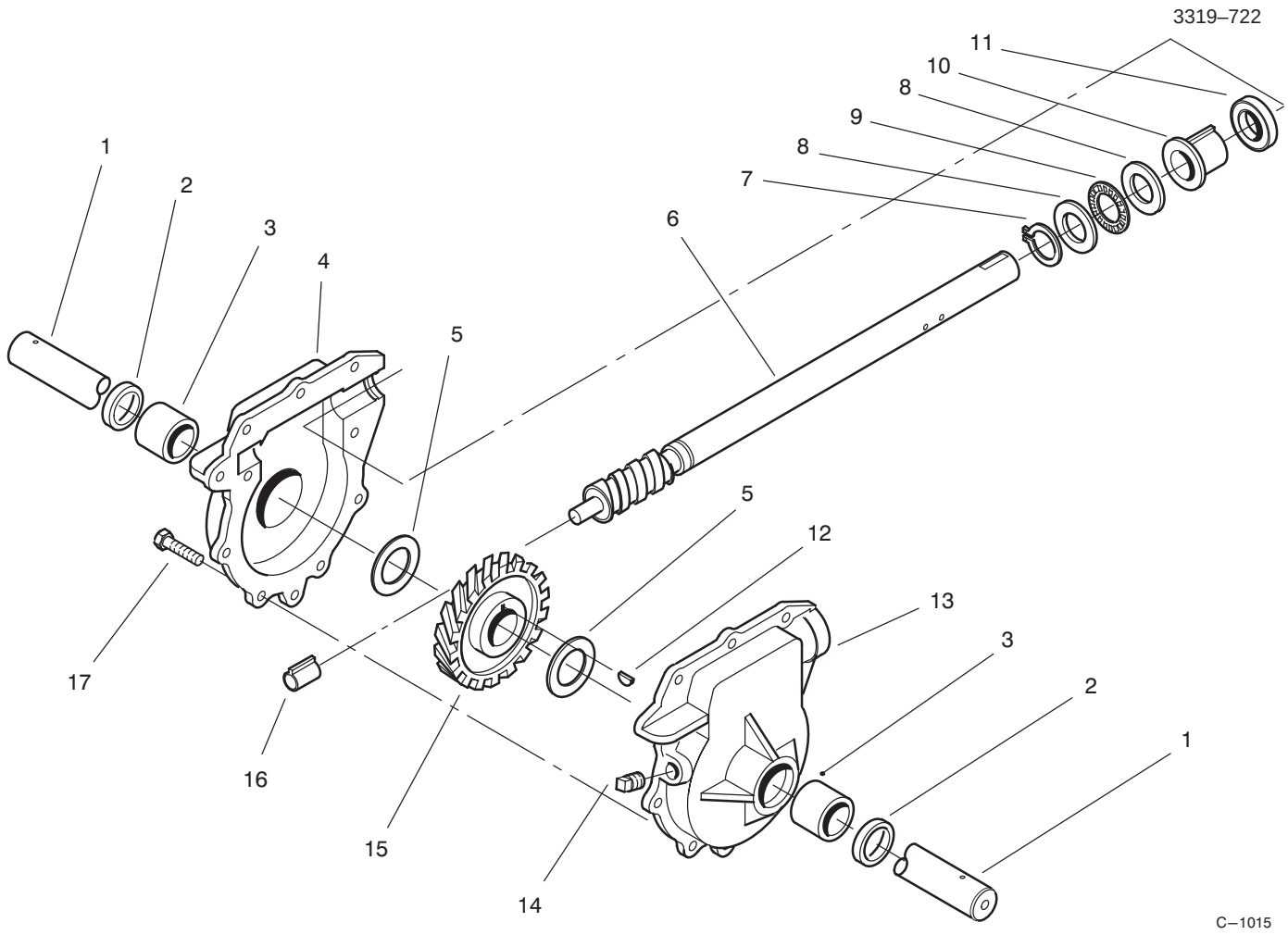


HOUSING & CHUTE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
31	66–6980	Frame – Engine	1
32	62–1440	Cover – Engine Frame	1
33	3234–5	Screw – Hex.. Washer Hd.	4
34	68–4110	Plate – Engine Stud L.H.	1
*	68–4100	Plate – Engine Stud R.H.	1
35	3257–23	Key – Woodruff	1
36	252–80	Washer – Thrust	1
37	3296–29	Nut – Lock	14
38	26–6110	Flange – Bearing (Front)	1
39	63–3450	Bearing – Impeller	1
40	26–6120	Flange – Bearing (Rear)	1
41	68–8410	Cover – Belt (Lower)	1
42	3256–23	Washer – Flat	1
43	52–2861	Washer	4
44	74–1440	Skid Assembly	2
45	66–7762	Blade – Scraper	1
46	66–7831	Plate – Side L.H.	1
47	3296–47	Nut – Lock	20

Ref. No.	Part No.	Description	No. Used
48	3230–23	Screw – Carriage	9
49	3296–42	Nut – Lock	10
50	66–7910	Impeller	1
51	66–8010	Spacer	2
52	321–44	Screw – Hex. Hd.	2
53	74–1560	Auger Gearbox Assembly	1
54	68–7450	Auger – R.H.	1
*	68–7460	Auger – L.H.	1
55	25–5090	Spacer – Auger Hub	2
56	20–0990	Flange – Bearing (Inner)	2
57	20–0980	Bearing – Auger	2
58	20–1000	Flange – Bearing (Outer)	2
59	322–12	Bolt – Auger	2
60	321–3	Screw – Hex. Hd.	8
61	32144–14	Screw	6
*	12–8789	Impeller Bearing Assembly (Incl. Ref. #38–40)	1

*Not Illustrated

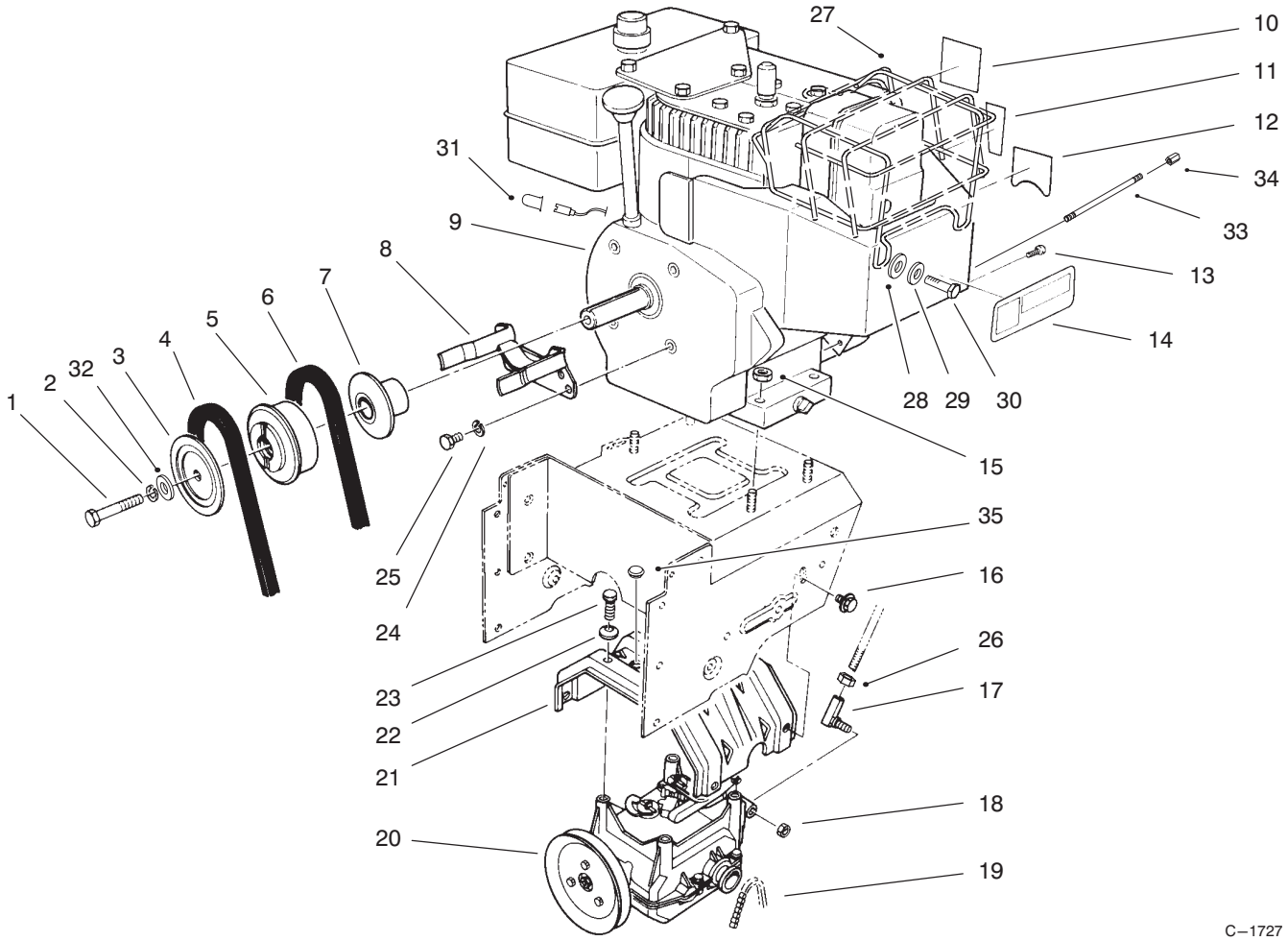


24” AUGER GEARCASE ASSEMBLY NO. 74–1560

Ref. No.	Part No.	Description	No. Used
1	62–1530	Shaft – Auger 24”	1
2	7–0045	Seal – Oil	2
3	256–237	Bushing – Sleeve	2
4	74–1550	Gearcase Assembly – R.H. (Incl. Ref. # 2–3)	1
5	252–71	Bearing – Thrust	2
6	66–7811	Shaft – Impeller	1
7	32151–33	Ring – Snap	1
8	252–78	Washer – Thrust	2
9	252–76	Bearing – Thrust	1

Ref. No.	Part No.	Description	No. Used
10	37–6560	Bushing – Input	1
11	253–149	Seal – Input	1
12	3257–10	Key – Woodruff	1
13	74–1540	Gearcase Assembly – L.H. (Incl. Ref. # 2–3, & 17)	1
14	281–1	Plug – Pipe Sq. Hd.	1
15	62–0120	Gear – Helical	1
16	62–1150	Bushing – Worm	1
17	32144–110	Screw – Hex. Washer Hd.	9
*	505–129	Sealant – 100g Tube	1

*Not Illustrated

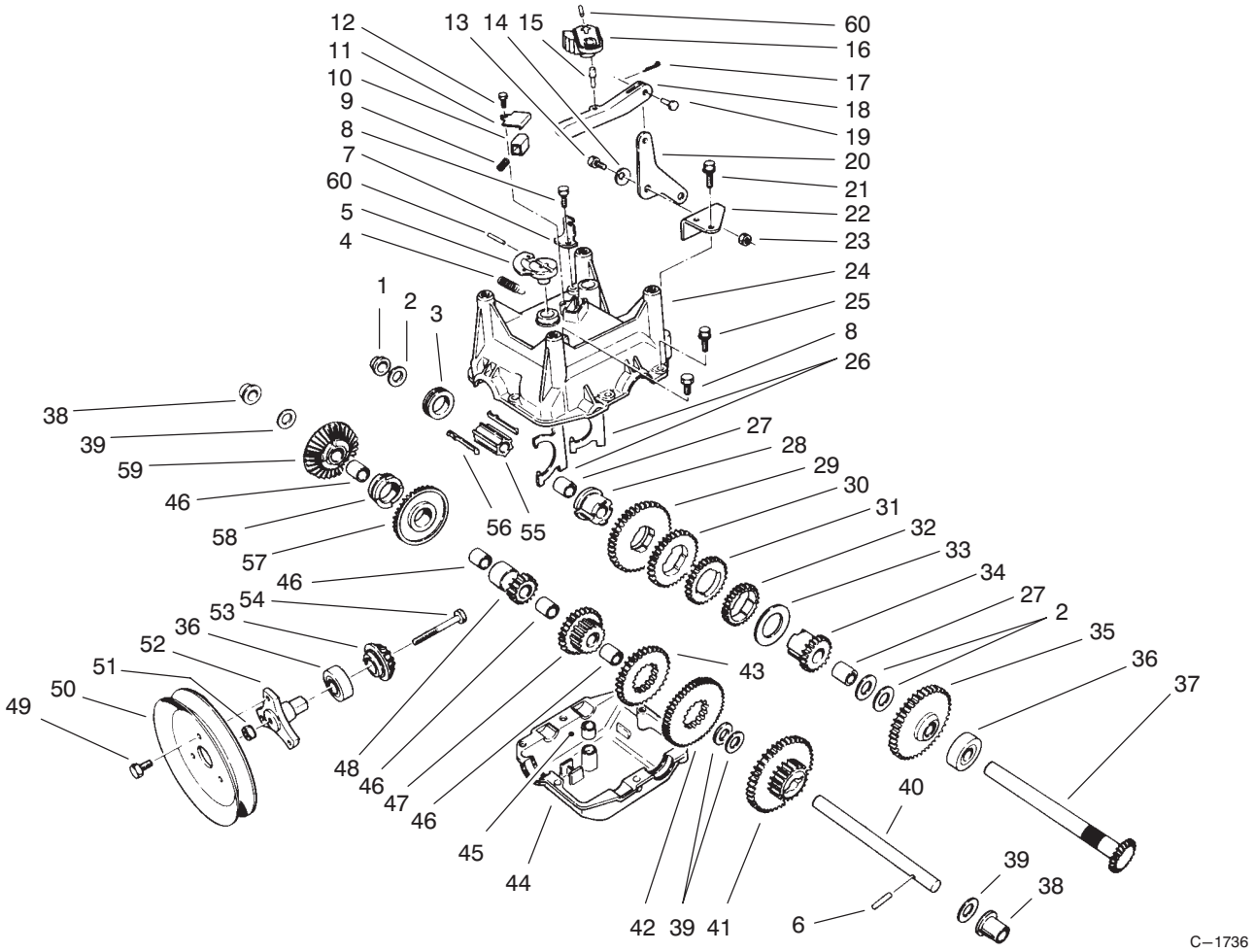


ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3212–8	Screw – Hex. Hd.	1
2	3253–6	Washer – Lock	1
3	62–0940	Sheave Half – Impeller	1
4	63–2961	Belt – Impeller	1
5	62–0930	Hub – Sheave	1
6	63–2951	Belt – Traction	1
7	62–0920	Sheave Half – Traction	1
8	68–7510	Guide – Belt	1
†9		Engine	1
10	94–2572	Decal – Primer	1
11	63–3190	Decal – Throttle	1
12	63–2410	Decal – Choke	1
13	32144–4	Screw	1
14	93–1265	Decal – Hot Surface (Model 38543 Only)	1
14	66–6840	Decal – Hot Surface (Model 38540 Only)	1
15	32128–20	Nut – Lock	4
16	3234–7	Screw – Hex. Flange Hd.	4
17	78–2920	Joint– Ball	1
18	3296–6	Nut – Lock	1
19	63–2940	Chain – Drive	1
20	66–8030	Transmission Assembly	1

Ref. No.	Part No.	Description	No. Used
21	63–2990	Frame – Transmission	1
22	3290–461	Washer – Belleville	4
23	11–0590	Screw – Hex. Hd.	4
24	3253–4	Washer – Lock	2
25	3210–1	Screw – Hex. Hd.	2
26	3220–3	Nut – Jam	1
†27	127–20	Guard – Muffler (Model 38543 Only)	1
†28	32–251–1	Washer – Flat (Model 38543 Only)	2
†29	36–180	Washer – Lock (Model 38543 Only)	2
†30	42–671	Screw – Self Tapping (Model 38543 Only)	2
31	94–2782	Cap – Wire	1
32	3256–41	Washer (Model 38543 Only)	1
32	3256–14	Washer (Model 38540 Only)	1
33	289–34	Nipple Pipe	1
34	288–2	Cap – Pipe	1
35	95–7947	Cap Plug	2

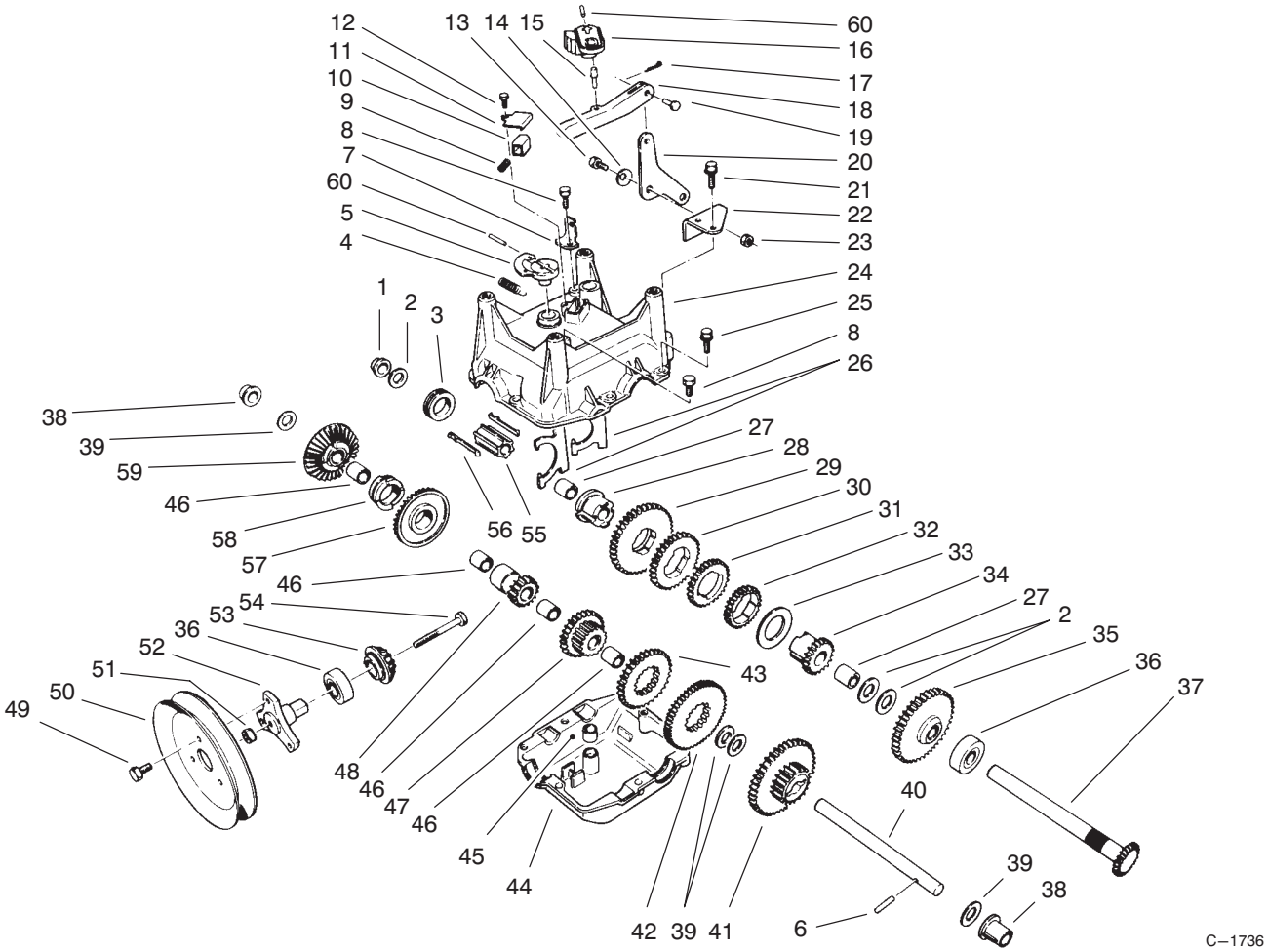
*Not Illustrated
†Obtain from your local Tecumseh Dealer.



TRANSMISSION ASSEMBLY NO. 66–8030

Ref. No.	Part No.	Description	No. Used
1	62–1180	Bushing – Output (Flange)	1
2	252–59	Washer – Thrust	3
3	62–0430	Collar – Shift (Speed)	1
4	63–2920	Spring – Extension (F/R Return)	1
5	62–0880	Lever – Direction Shift	1
6	32121–106	Pin – Coil	3
7	62–1740	Bracket – Cable	1
8	32144–4	Screw – Self Tapping	2
9	63–2890	Spring – Compression (Detent)	1
10	62–1020	Button – Detent	1
11	62–1690	Cover – Detent	1
12	32104–71	Screw – Pan Hd.	1
13	63–3410	Bolt – Shoulder	1
14	3290–477	Washer – Curved	1
15	63–2190	Pin – Gearshift Link	1
16	62–0870	Lever – Gear Shift	1
17	3272–1	Pin – Cotter	1
18	62–0860	Link – Gearshift	1
19	283–3	Pin – Clevis	1
20	63–2600	Bellcrank	1
21	32104–95	Screw – Hex. Washer Hd.	2

Ref. No.	Part No.	Description	No. Used
22	62–1190	Bracket – Bellcrank	1
23	3296–42	Nut – Lock	1
24	62–0490	Gear Case – Upper	1
25	32144–86	Screw – Hex. Washer Hd.	6
26	62–1040	Yoke–Shift	2
27	62–1350	Bushing – Output	2
28	62–0320	Sleeve	1
29	62–0240	Gear – 45T	1
30	62–0220	Gear – 34T	1
31	62–0200	Gear – 27T	1
32	62–0250	Gear – 29T	1
33	63–2280	Washer – Thrust	1
34	62–0340	Sleeve – Gear 19T	1
35	62–0370	Gear – 41T	1
36	38–7820	Bearing – Ball	2
37	62–1080	Shaft – Output	1
38	62–1170	Bushing – Flange	2
39	257–10	Washer – Thrust	4
40	62–0330	Shaft – Intermediate	1
41	62–0360	Gear – Compound 19T/41T	1
42	62–0260	Gear – 51T	1
43	62–0210	Gear – 33T	1
44	62–0480	Gear Case – Lower	1

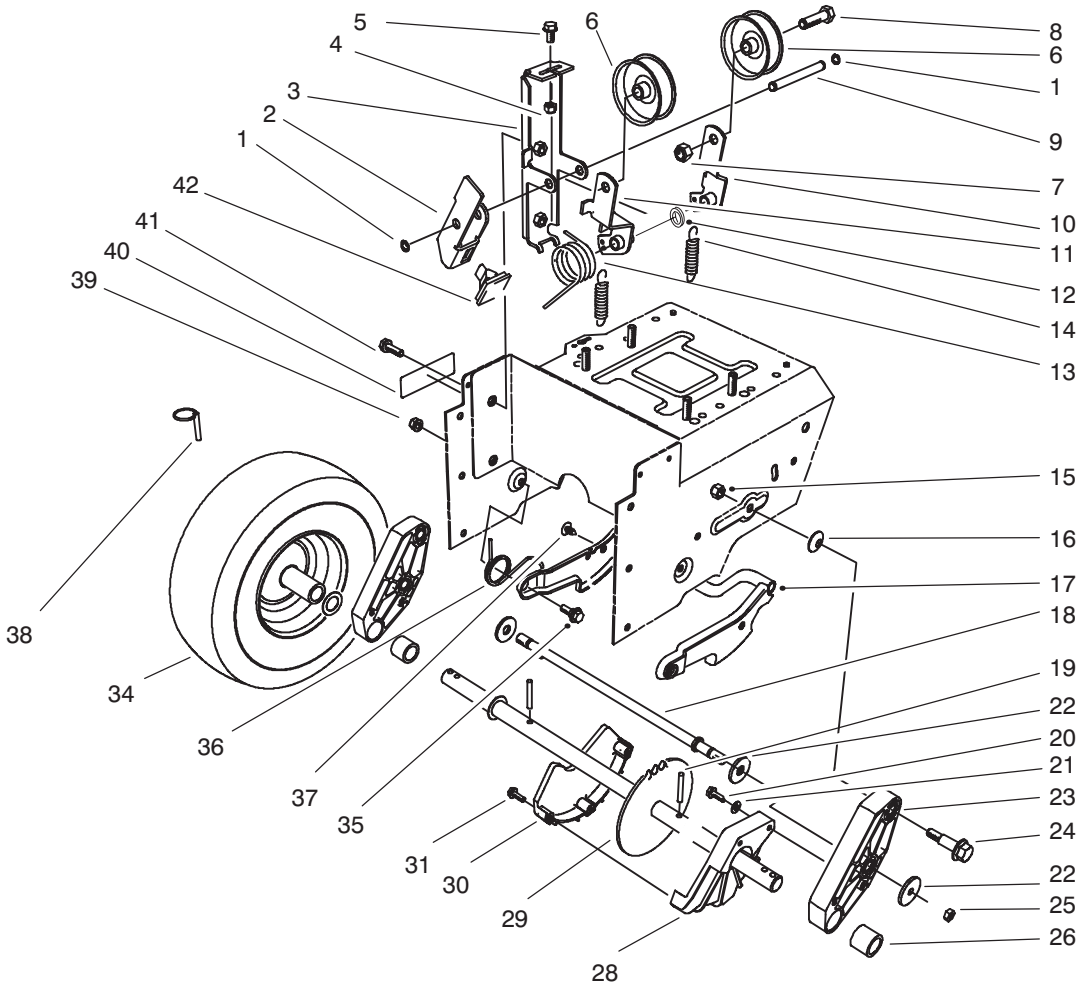


TRANSMISSION ASSEMBLY NO. 66–8030 (Continued)

Ref. No.	Part No.	Description	No. Used
45	29–9570	Bushing – Yoke	1
46	62–1160	Bushing – Intermediate	4
47	68–4310	Gear – 26T	1
48	62–0500	Gear – 15T	1
49	12–3270	Screw	3
50	62–1310	Pulley – Traction	1
51	32128–32	Nut – Flange Lock	1
52	62–0380	Hub – Pulley	1
53	62–0350	Pinion – Bevel 19T	1

Ref. No.	Part No.	Description	No. Used
54	321–15	Screw – Hex. Hd.	1
55	68–4320	Sleeve – Shift	1
56	62–0310	Key – Shift	2
57	67–5870	Gear – Bevel 36T	1
58	67–5880	Collar – Shift	1
59	13–3559	Gear – Bevel Reverse 36T (Incl. Ref. #46)	1
60	32121–120	Roll – Pin	2
*	505–101	Grease – 14.5 oz. Cartridge	1

*Not Illustrated



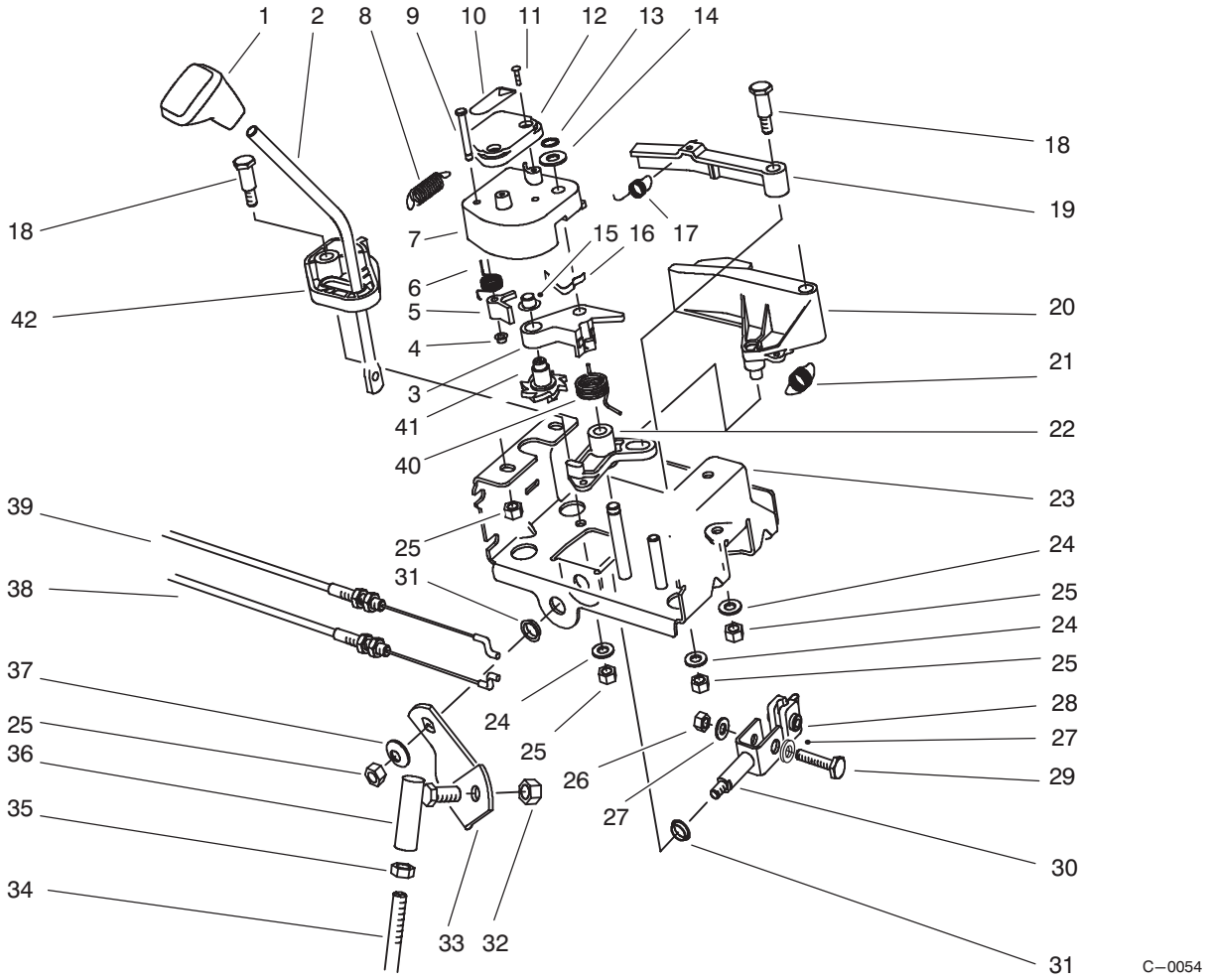
C–0053

TRACTION DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32120–46	Ring – Retaining	2
2	63–2810	Arm – Brake	1
3	63–2850	Bracket – Idler Arm	1
4	3296–42	Nut – Lock	1
5	3234–13	Screw – Hex. Washer Hd.	1
6	3–4244	Pulley – Idler	2
7	3296–59	Nut – Lock	2
8	323–7	Screw – Hex. Hd.	2
9	62–0970	Pin – Idler	1
10	93–8045	Arm – Traction Idler	1
11	93–8046	Arm – Impeller Idler	1
12	3256–38	Washer – Flat	1
13	63–2880	Spring – Torsion	1
14	63–2870	Spring – Extension	2
15	3296–39	Nut – Lock	2
16	3290–461	Washer – Belleville	2
17	62–0470	Latch – Arm	1
18	66–7720	Rod – Latch	1
19	32121–9	Pin – Roll	2
20	32144–4	Screw – Hex. Flange Hd.	2
21	3256–1	Washer – Flat	2
22	63–3340	Washer	4

Ref. No.	Part No.	Description	No. Used
23	66–7740	Pivot Arm Assembly (Incl. Ref. # 26)	2
24	62–1330	Bolt – Shoulder	2
25	3296–23	Nut – Lock	2
26	63–2250	Bushing – Axle	2
27	252–80	Washer – Thrust	4
28	62–1010	Guard – Chain L.H.	1
29	63–2111	Axle Assembly	1
30	62–1000	Guard – Chain R.H.	1
31	94–4496	Screw – Pan Hd.	3
34	67–9220	Tire & Wheel Assembly	2
35	5–2490	Bolt – Shoulder	2
36	63–2740	Spring – Torsion	1
37	3290–476	Fastener – Panel	1
38	3290–243	Pin – Klik	2
39	3296–47	Nut – Lock	2
40	66–6860	Decal – Warning (Model No. 38540 Only)	1
*	94–2575	Decal – Warning (Model No. 38543 Only)	1
41	3234–7	Screw – Hex. Flange Hd.	2
42	66–8060	Pad – Brake	1

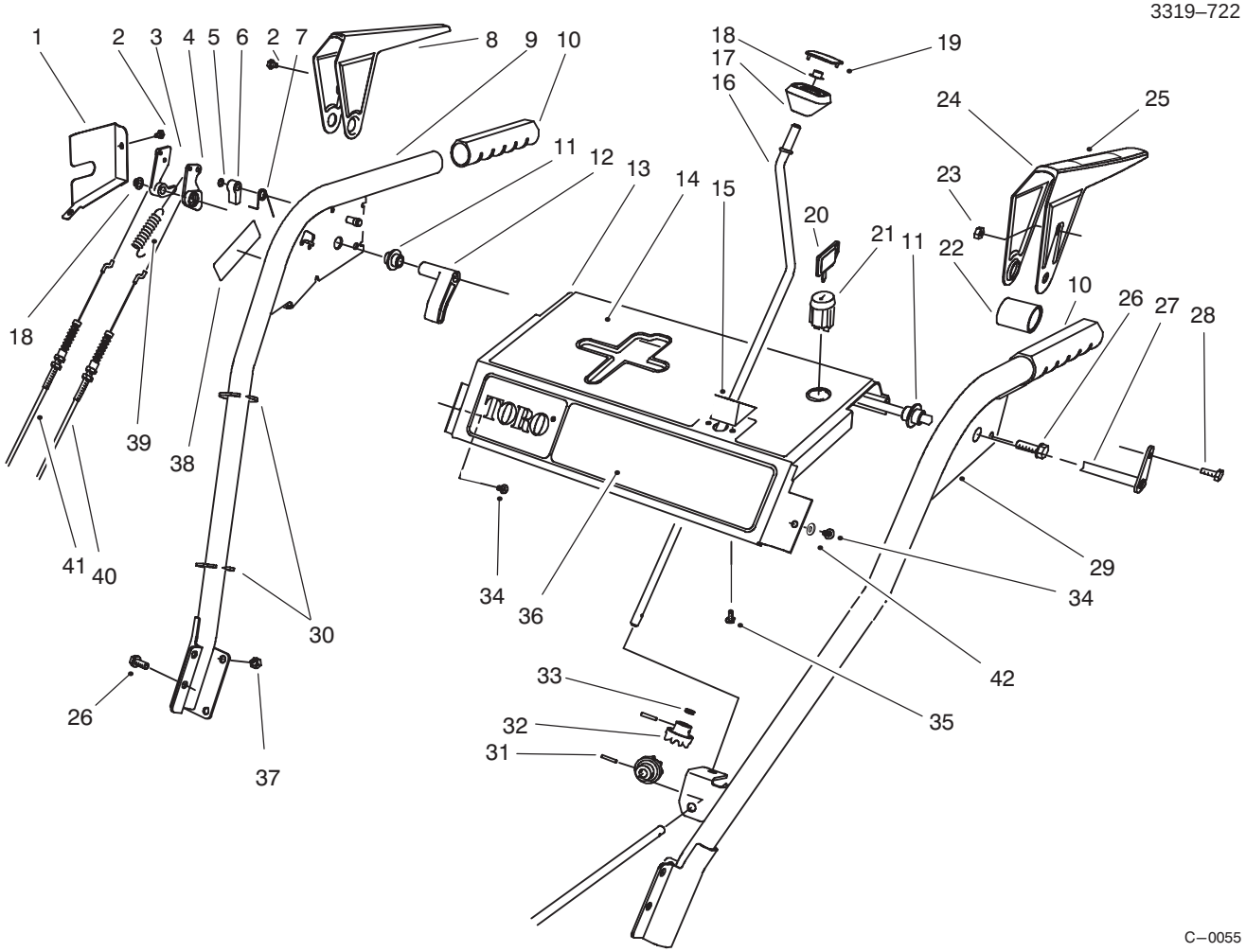
*Not Illustrated



TRACTION LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	62–1290	Knob – Shift	1
2	67–9240	Rod – Shift (Upper)	1
3	62–1110	Lever – Index Wheel	1
4	3290–422	Nut – Push	1
5	62–0180	Tang – Index	1
6	62–1650	Spring – Torsion	1
7	62–1100	Lever – Latch	1
8	63–2220	Spring – Extension	1
9	63–2610	Pin – Tang	1
10	63–2480	Decal – #2	1
11	94–6961	Screw – Pan Hd.	2
12	62–1140	Cover – Latch	1
13	32120–46	Ring – Retaining	1
14	257–9	Washer – Thrust	1
15	3290–320	Nut – Push	1
16	62–1710	Spring – Flat	1
17	63–2240	Spring – Extension	1
18	63–2650	Screw – Shoulder	2
19	62–1700	Lever – Lockout	1
20	62–1130	Lever – Reverse	1
21	63–2230	Spring – Extension	1

Ref. No.	Part No.	Description	No. Used
22	62–1120	Lever – Reverse	1
23	63–2150	Frame – Control	1
24	3256–23	Washer – Flat	3
25	3296–29	Nut – Lock	7
26	3296–42	Nut – Lock	1
27	3256–1	Washer – Flat	2
28	67–9250	Retainer – Shift Rod	1
29	321–9	Screw – Hex. Hd.	1
30	66–7730	Clevis	1
31	256–296	Bushing – Nyliner	2
32	3296–6	Nut – Lock	1
33	63–2630	Bracket – Shift	1
34	63–2830	Rod – Shift (Lower)	1
35	3220–3	Nut – Jam	1
36	78–2920	Joint – Ball	1
37	3290–456	Washer – Belleville	1
38	63–2210	Cable – Gearbox	1
39	63–2200	Cable – Latch	1
40	63–2270	Spring – Torsion	1
41	62–0170	Wheel – Index	1
42	62–1470	Base – Lockout	1

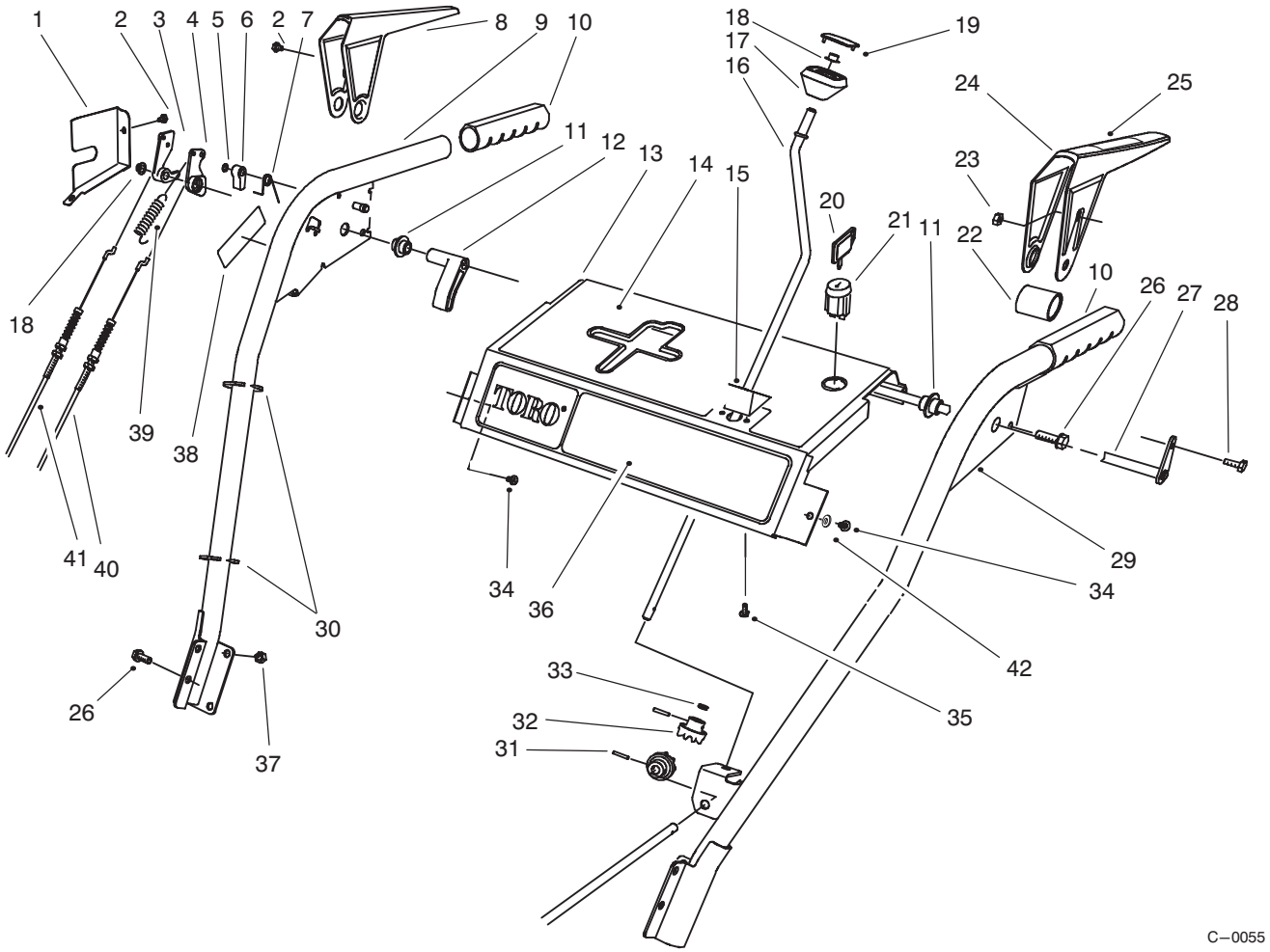


HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–2170	Cover – Lever Lock	1
2	2210–250	Screw	3
3	62–0300	Tang – Locking	1
4	62–0290	Cam – Release	1
5	32151–66	Ring – Retaining	1
6	62–0280	Latch – Lock	1
7	63–2910	Spring – Torsion	1
8	62–1050	Lever – Impeller	1
9	62–1381	Handle – R.H.	1
10	66–7850	Handlegrip	2
11	62–1070	Bushing – Lever	2
12	62–1640	Lever – Trip	1
13	66–8100	Panel – Control	1
14	66–6850	Decal – Panel Top (Model No. 38540 Only)	1
*	94–2578	Decal – Panel Top (Model No. 38543 Only)	1
15	62–1490	Plate – Guide	1
16	63–2160	Rod – Chute Crank	1
17	62–1320	Knob – Chute Control	1
18	3290–320	Nut – Push	2

Ref. No.	Part No.	Description	No. Used
19	62–1520	Cover – Knob	1
20	63–8360	Key – Switch	1
21	40–5940	Switch – On/Off	1
22	63–3380	Spacer – Traction Lever	1
23	3296–2	Nut – Lock	1
24	62–1060	Lever – Traction	1
25	63–3050	Decal – Lever (Model No. 38540 Only)	1
26	32144–14	Screw – Hex. Flange Hd.	6
27	63–2030	Rod – Cross	1
28	3290–359	Screw	1
29	66–8091	Handle – L.H.	1
30	3290–378	Tie – Cable	3
31	32121–50	Pin – Roll	2
32	62–1460	Gear – Universal	2
33	62–1230	Washer – Rubber	1
34	32104–76	Screw – Self Tapping	2
35	94–6961	Screw – Pan Hd.	2
36	63–2510	Decal – Panel Front	1
37	3296–47	Nut – Lock	4

*Not Illustrated



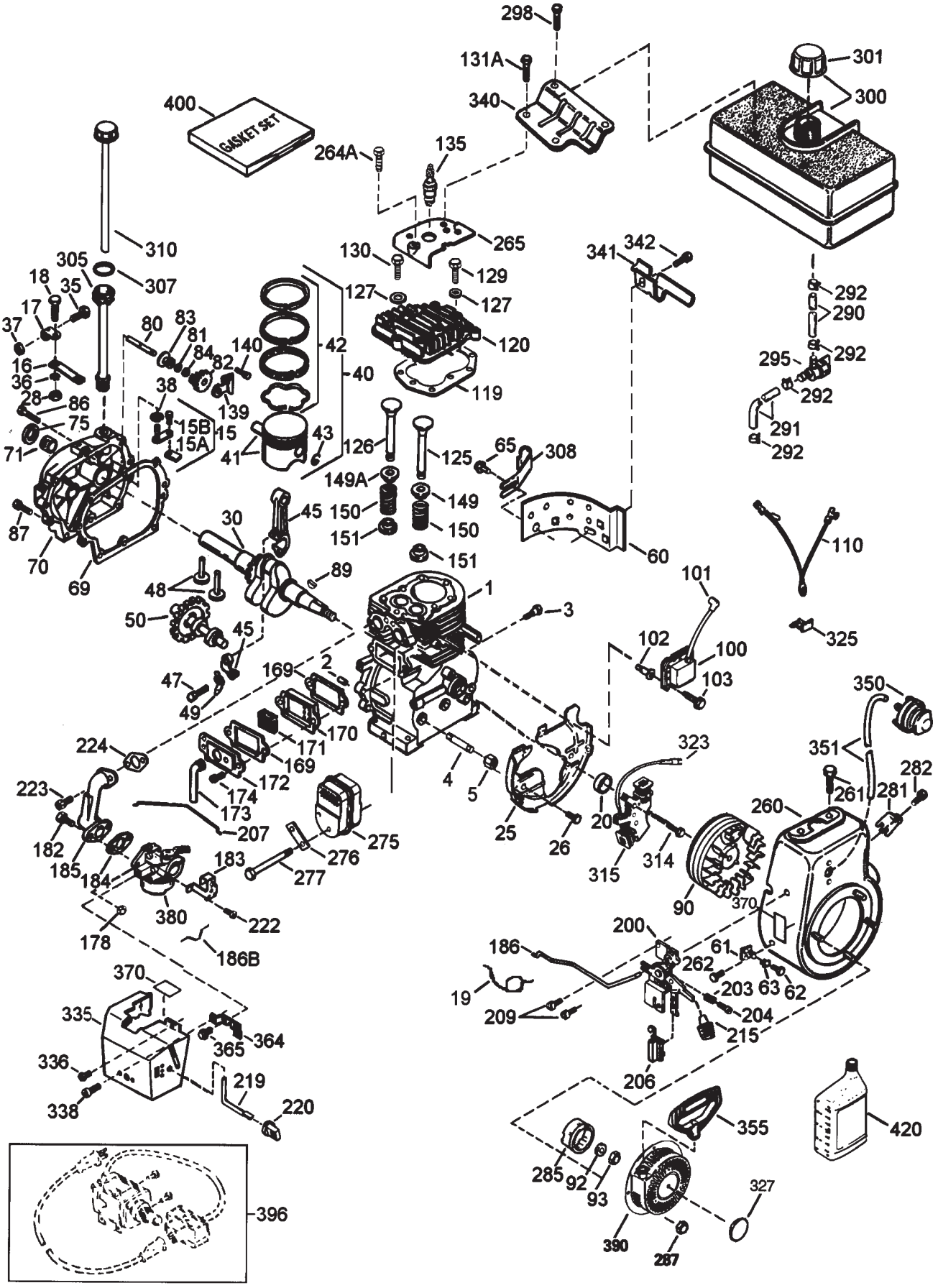
HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
38	66–6860	Decal – Warning (Model No. 38540 Only)	1
*	94–2575	Decal – Warning (Model No. 38543 Only)	1
39	88–0810	Spring – Extension	1
40	63–2710	Cable – Traction	1
41	63–2700	Cable – Impeller	1

Ref. No.	Part No.	Description	No. Used
42	3256–14	Washer – Flat	2
*	63–3420	Harness – Wire	1
*	17–4299	Loose Parts Kit (Model 38540 Only)	1
*	17–4249	Loose Parts Kit (Model 38543 Only)	1

*Not Illustrated

Engine Tecumseh Model # HMSK80–155386V

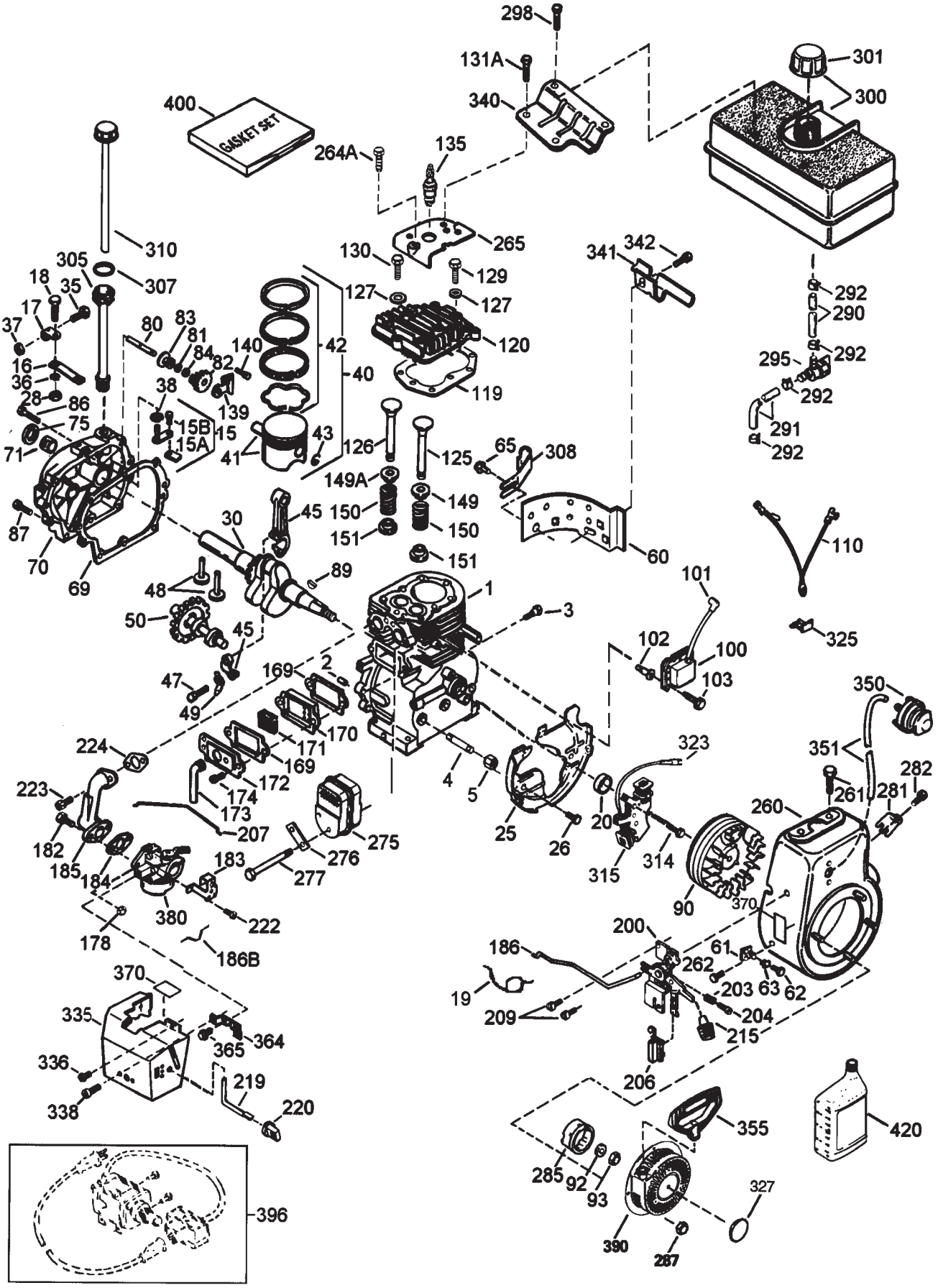


Engine Tecumseh Model # HMSK80–155386V

Ref. No.	Part No.	Description	No. Used
1	35385	Cylinder Asm (Incl. Ref. #2, 20, & 72)	1
2	27652	Dowel Pin	2
3	650820	Screw	2
4	34171	Oil Drain Extension	1
5	30969	Extension Cap	1
15	30699C	Governor (Incl. Ref. #15A & 15B)	1
15A	30700	Governor Yoke	1
15B	650494	Screw	1
16	33454	Governor Lever	1
17	29916	Governor Lever Clamp	1
18	651028	Screw	1
19	34663	Spring – Speed Control	1
20	35319	Oil Seal	1
25	36460	Blower Housing Baffle	1
26	650561	Screw	2
28	30322	Lock Nut	1
30	35571A	Crankshaft	1
35	29826	Screw	1
36	29918	Lock Washer	1
37	29216	Lock Nut	1
38	29642	Retaining Ring	1
40	40011	Piston, Pin & Ring Set (Std.)	1
40	40012	Piston, Pin & Ring Set (.010” OS)	1
41	40009	Piston & Pin Asm (Std.) (Incl. Ref. #43)	1
41	40010	Piston & Pin Asm (.010” OS) (Incl. Ref. #43)	1
42	40013	Ring Set (Std.)	1
42	40014	Ring Set (.010” OS)	1
43	27888	Piston Pin Retaining Ring	2
45	36897	Connecting Rod Asm (Incl. Ref. #47, & 49)	1
47	651033	Connecting Rod Bolt	2
48	34034	Valve Lifter	2
49	36896	Oil Dipper	1
50	35375	Camshaft (MCR)	1
60	33273A	Blower Housing Extension	1
61	34126	Grommet Mounting Bracket	1
62	650760	Screw	1
63	28545	Grommet	1
65	650128	Screw	1
*69	35262A	Cylinder Cover Gasket	1
70	35376	Cylinder Cover (Incl. Ref. #71, 75, & 80)	1
72	27642	Oil Drain Plug	1
71	35377	Crankshaft Bushing	1
75	35319	Oil Seal	1
80	31845	Governor shaft	1
81	30590A	Washer	1
82	35378	Governor Gear Asm (Incl. Ref. #81)	1
83	30588A	Governor Spool	1
84	29193	Retaining Ring	1
86	650833	Screw	7
87	650832	Screw	1
89	32589	Flywheel Key	1
90	611093	Flywheel (W/Ring Gear)	1
92	650880	Lock Washer	1
93	650881	Flywheel Nut	1
100	35135	Solid State Ignition	1
101	610118	Spark Plug Cover	1
102	651024	Solid State Mounting Stud	2
103	651007	Screw, Torx T–15	2
110	35253	Ground Wire	1
*119	36448	Cylinder Head Gasket	1
120	36449	Cylinder Head	1
125	27878A	Exhaust Valve (Std.) (Incl. Ref. #151)	1
125	27880A	Exhaust valve (1/32” OS) (Incl. Ref. #151)	1
126	34035	Intake Valve (Std.) (Incl. Ref. #151)	1
126	34036	Intake Valve (1/32” OS) (Incl. Ref. #151)	1
127	650691	Washer	2
129	650727	Screw	2
130	6021A	Screw	7
131A	650713	Screw	2
135	35395	Resistor Spark Plug (RJ19LM)	1
139	33369	Governor Gear Bracket	1
140	650836	Screw	2
149	27882	Valve Spring Cap	1
149A	35862	Valve Spring Cap	1
150	27881	Valve Spring	2
151	32581	Valve Spring Keeper	2
*169	27896A	Valve Cover Gasket	2
170	28423	Breather Body	1
171	28424	Breather Element	1
172	28425	Valve Cover	1
173	35350	Breather Tube	1
174	650128	Screw	2
178	29752	Nut & Lock Washer	2
182	30088A	Screw	2
183	34587A	Choke Bracket	1
*184	33263	Carburetor To Intake Pipe Gasket	1
185	33877	Intake Pipe	1
186	34667	Governor Link	1
186B	36652	Spring – Choke	1

*Included in Gasket Set 36450

Engine Tecumseh Model # HMSK80–155386V (Cont.)



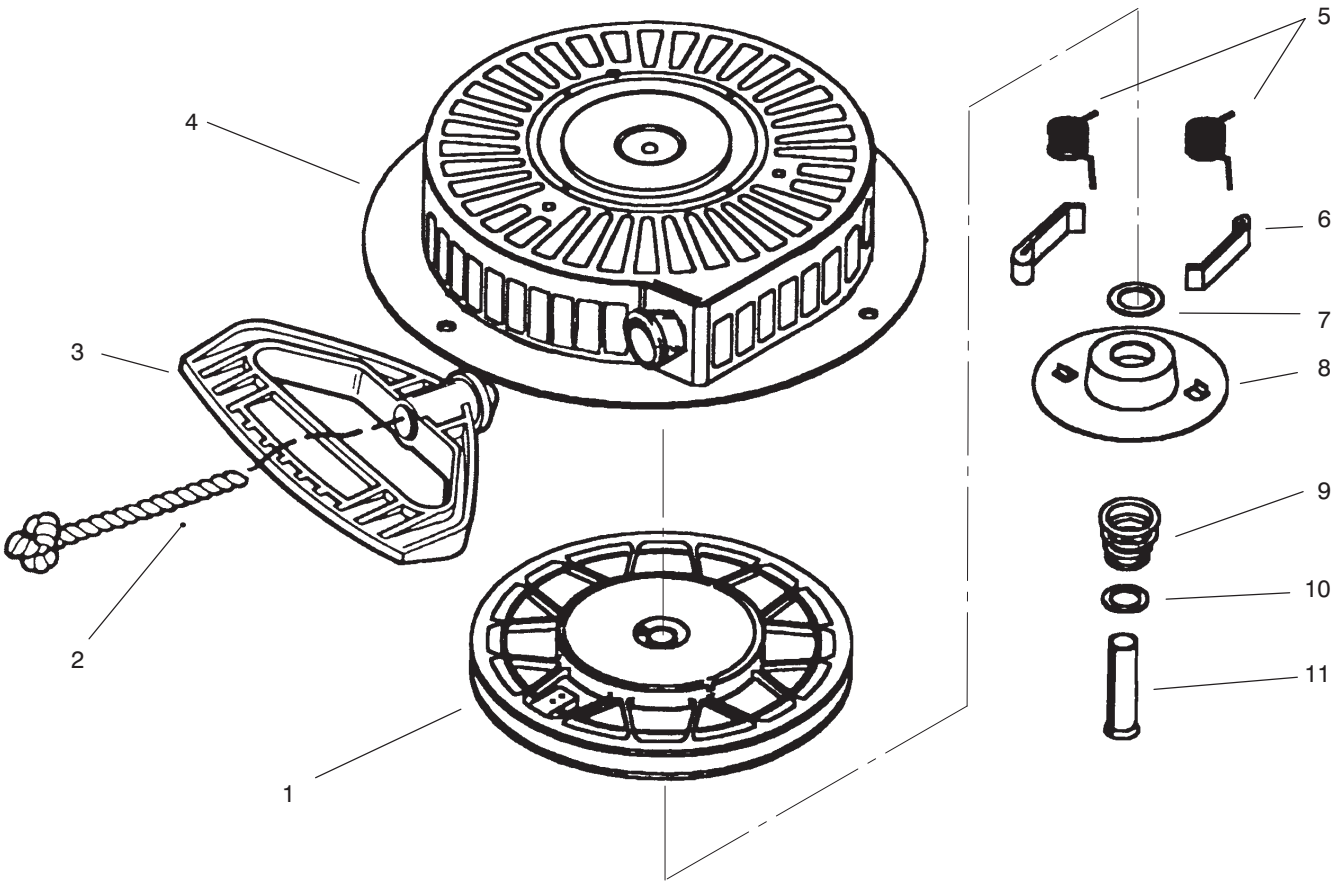
Engine Tecumseh Model # HMSK80–155386V (Cont.)

Ref. No.	Part No.	Description	No. Used
200	34677	Control Bracket (Incl. Ref.#19, 203, 204 & 206)	1
203	31342	Compression Spring	1
204	651029	Screw	1
206	610973	Terminal	1
207	33878	Throttle Link	1
209	650821	Screw	2
215	35440	Control Knob	1
219	34586	Choke rod	1
220	35438	Choke Knob	1
222	28820	Screw	2
223	650378	Screw, Torx T–30	2
*224	27915A	Intake Pipe Gasket	1
260	35447A	Blower Housing	1
261	650788	Screw	2
262	29747B	Screw, Torx T–40	2
264A	650802	Screw	1
265	33272B	Cylinder Head Cover	1
275	35056	Muffler	1
276	31588	Locking Plate	1
277	651002	Screw	2
281	33013	Starter bubble Cover	1
282	650760	Screw	1
285	35985B	Starter Cup	1
287	29752	Nut & Lock Washer	4
290	29774	Fuel Line	1
291	30705	Fuel Line	1
292	26460	Fuel Line Clamp	4
295	35857	Fuel shut–Off Valve	1
298	650665	Screw	2

Ref. No.	Part No.	Description	No. Used
300	34156A	Fuel Tank (Incl. Ref. #292 & 301)	1
301	36246	Fuel Cap	1
305	35554	Oil fill Tube	1
307	35499	”O” Ring	1
308	35540	Fill Tube Clip	1
310	36205	Dipstick	1
314	650873	Screw	1
315	611111	Alternator Coil (18 Watt) (Incl. Ref. #323)	1
323	611118	Terminal	1
325	29443	Wire Clip	1
327	35392	Starter Plug	1
335	35057A	Carburetor Cover	1
336	650765	Screw	1
338	28942	Screw	2
340	34155	Fuel Tank Bracket	1
341	34154	Fuel Tank Bracket	1
342	650561	Screw	1
350	570682	Primer Bulb	1
351	32180C	Primer Line	1
355	590574	Starter Handle	1
364	33377	Carburetor Cover Bracket	1
365	650767	Screw	2
370	36261	Identification Decal	1
380	640052	Carburetor (Incl. Ref. #184)	1
390	590733	Rewind Starter	1
396	33329D	Electric Starter Motor, 120 Volt (Optional)	1
400	36450A	Gasket Set	1
420	730226	SAE 5W30 4–Cyc. Eng. Oil	1

*Included in Gasket Set 36450

Obtain Parts From Tecumseh



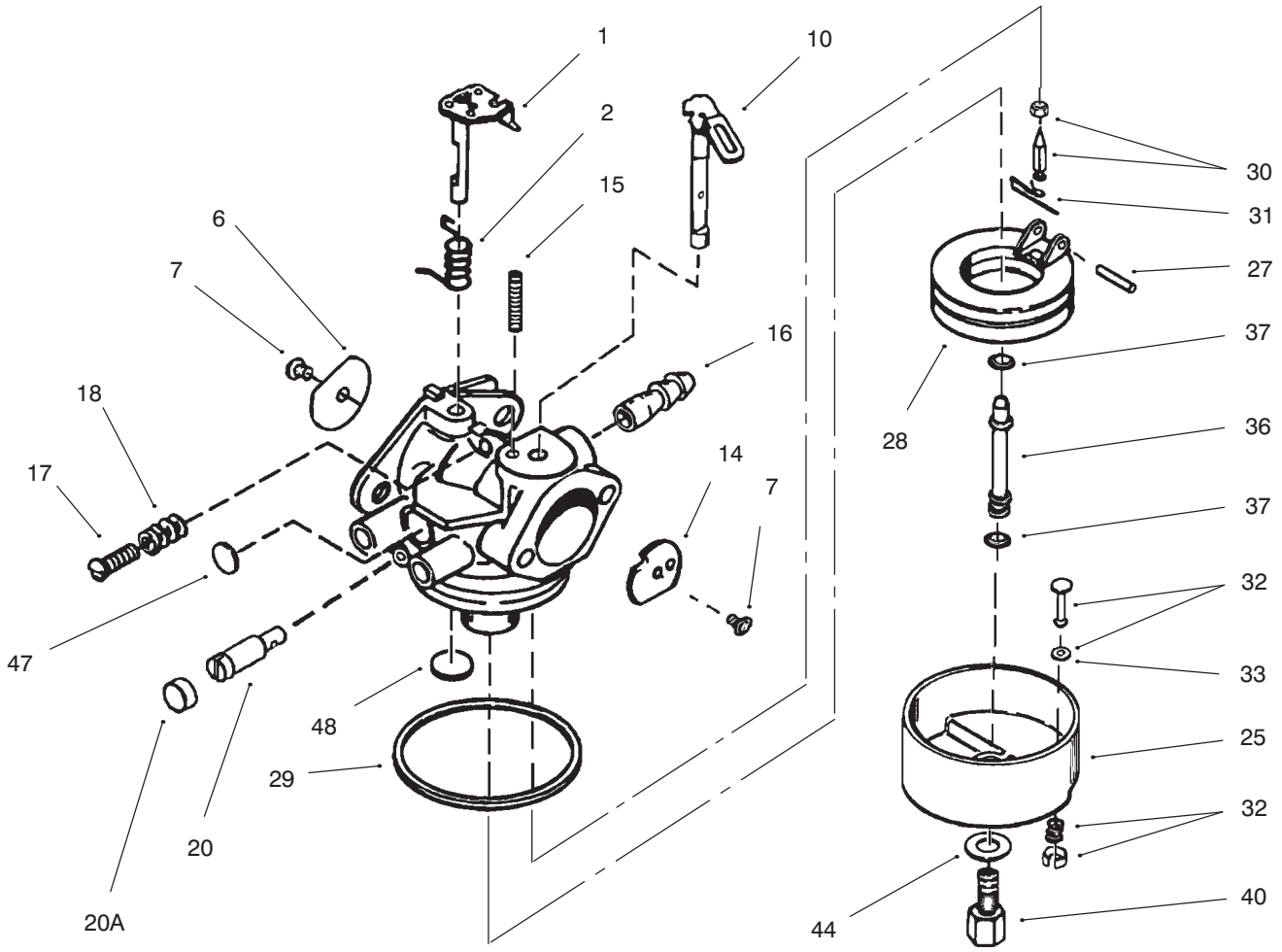
Recoil Starter Tecumseh # 590733

Ref. No.	Part No.	Description	No. Used
1	590709	Pulley & Rewind Spring Assembly	1
2	590535	Rope — Starter	1
‡3	590574	Handle — Mitten Grip	1
4	590734	Starter Housing Asm	1
5	590699	Spring — Dog	2
6	590698	Dog — Starter	2

Ref. No.	Part No.	Description	No. Used
7	590601	Washer	1
8	590696	Retainer	1
9	590697	Spring — Brake	1
10	590600	Washer	1
11	590599A	Pin — Spring (Incl. Ref. #7)	1

‡Not Included in Starter Assembly.

Obtain Parts From Tecumseh

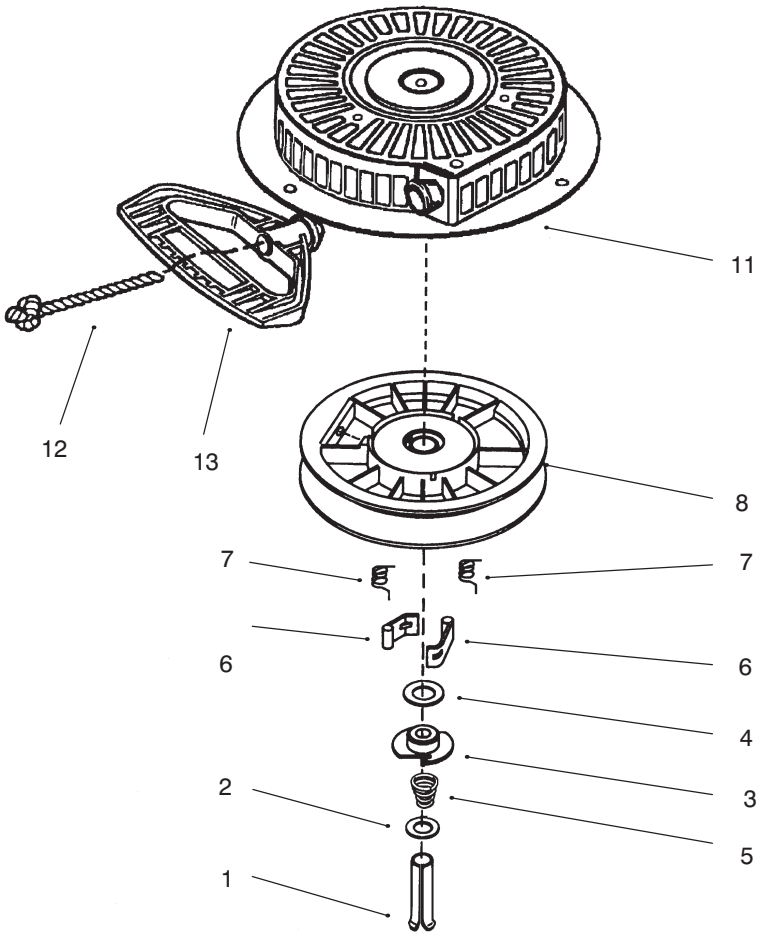


Carburetor Tecumseh # 640052

Ref. No.	Part No.	Description	No. Used
1	631776A	Shaft/Lever – Throttle	1
2	631970	Spring – Throttle Return	1
6	631778	Shutter – Throttle	1
7	650506	Screw – Shutter	2
10	632112	Shaft/Lever – Choke	1
14	632174	Shutter – Choke	1
15	630735	Spring – Choke Positioning	1
16	632164	Fitting – Fuel Inlet	1
17	650417	Screw – Idle Regulating	1
18	630766	Spring – Tension	1
20	640016	Screw – Idle Adjustment	1
21	640053	Cap – Screw Idler Adj.	1
25	631951	Float Bowl Assembly (Incl. Ref. #32 & 33)	1
27	631024	Shaft – Float	1

Ref. No.	Part No.	Description	No. Used
28	632019	Float – Carburetor	1
29	631028	Gasket – Bowl to Body	1
30	631021	Inlet Needle, Seat & Clip Asm (Incl. Ref. #31)	1
31	631022	Clip – Inlet Needle	1
32	27136A	Drain Assembly (Incl. Ref. #33)	1
33	27554	Gasket – Bowl Drain	1
36	640005	Main Nozzle Tube	1
37	632547	O–Ring–Main Nozzle Tube	2
40	640055	High Speed Bowl Nut	1
44	27110	Gasket – Bowl to Body	1
47	630748	Plug – Welch	1
48	631027	Plug – Welch	1

Obtain Parts From Tecumseh

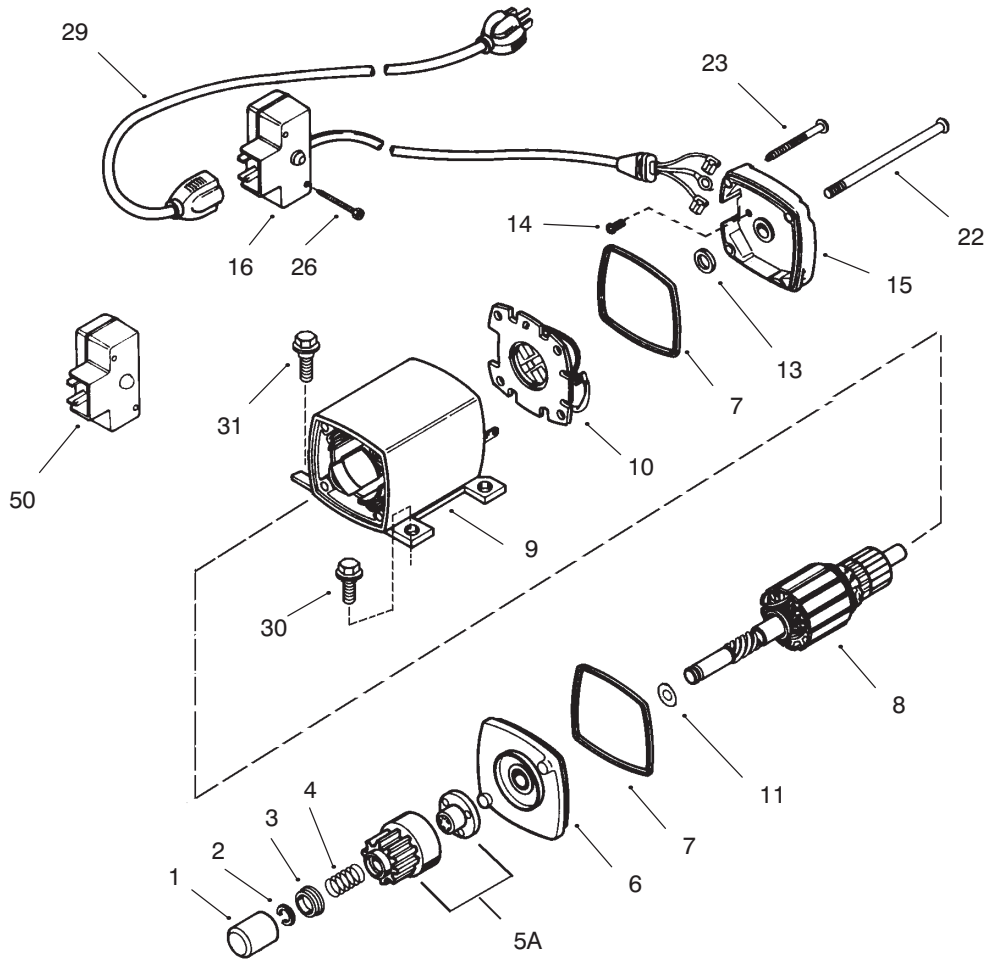


Recoil Starter # 590749 (Optional)

Ref. No.	Part No.	Description	No. Used
1	590599A	Pin – Spring (Incl. Ref. #4)	1
2	590600	Washer	1
3	590679	Retainer	1
4	590601	Washer	1
5	590678	Spring – Brake	1
6	590680	Dog – Starter	2
7	590412	Spring – Dog	2
8	590682	Pulley & Rewind Spring Assembly	1
11	590750	Starter Housing Asm	1
12	590535	Rope – Starter	1
‡3	590574	Handle – Mitten Grip	1

‡ Not Included with Starter

Obtain Parts From Tecumseh



ELECTRIC STARTER NO. 33329D (OPTIONAL)

Ref. No.	Part No.	Description	No. Used
1	33451	Dust Cover	1
2	33842	Retainer Ring	1
3	33430	Spring Retainer	1
4	33431	Anti–drift Spring	1
5A	37050	Gear and Nut (Incl. Ref.# 2)	1
6	35449	Drive End Cap Asm. (Incl. Ref.# 7)	1
7	35450	O–Ring	2
8	35915	Armature	1
9	35451A	Housing Assembly	1
10	35452A	Brush Card Assembly	1
11	35911	Thrust Washer	1

Ref. No.	Part No.	Description	No. Used
13	590500	Thrust Washer	1
14	33441	Ground Screw	1
15	35453	Commutator End Cap Asm. (Incl. Ref.# 7)	1
16	35454	Switch Box Assembly (Incl. Ref# 26)	1
22	35455	Case Bolt	2
23	35456	Ground Screw	1
26	650819	Screw	2
29	32450A	Extension Cord	1
30	30063	Screw – Torx	2
31	650820	Screw	2
50	730623	Switch Repair Kit	1

Obtain Parts From Tecumseh

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3–0750	Washer – Retaining	1	2	2
3–4244	Pulley – Idler	7	6	2
5–2490	Bolt – Shoulder	7	35	2
7–0045	Seal – Oil	3	2	2
11–0590	Screw – Hex. Hd.	4	23	4
12–3270	Screw	6	49	3
12–8789	Impeller Bearing Assembly	2	*	1
13–3559	Gear – Bevel Reverse 36T	6	59	1
17–4249	Loose Parts Kit	10	*	1
17–4299	Loose Parts Kit	10	*	1
20–0980	Bearing – Auger	2	57	2
20–0990	Flange – Bearing (Inner)	2	56	2
20–1000	Flange – Bearing (Outer)	2	58	2
25–5090	Spacer – Auger Hub	2	55	2
26–6110	Flange – Bearing (Front)	2	38	1
26–6120	Flange – Bearing (Rear)	2	40	1
29–9570	Bushing – Yoke	6	45	1
32–251–1	Washer – Flat	4	{28	2
36–180	Washer – Lock	4	{29	2
37–6560	Bushing – Input	3	10	1
38–7820	Bearing – Ball	5	36	2
40–5940	Switch – On/Off	9	21	1
42–671	Screw – Self Tapping	4	{30	2
52–2861	Washer	2	43	4
53–7670	Decal – Danger Auger	1	5	1
62–0120	Gear – Helical	3	15	1
62–0170	Wheel – Index	8	41	1
62–0180	Tang – Index	8	5	1
62–0200	Gear – 27T	5	31	1
62–0210	Gear – 33T	5	43	1
62–0220	Gear – 34T	5	30	1
62–0240	Gear – 45T	5	29	1
62–0250	Gear – 29T	5	32	1
62–0260	Gear – 51T	5	42	1
62–0280	Latch – Lock	9	6	1
62–0290	Cam – Release	9	4	1
62–0300	Tang – Locking	9	3	1
62–0310	Key – Shift	6	56	2
62–0320	Sleeve	5	28	1
62–0330	Shaft – Intermediate	5	40	1
62–0340	Sleeve – Gear 19T	5	34	1
62–0350	Pinion – Bevel 19T	6	53	1
62–0360	Gear – Compound 19T/41T	5	41	1
62–0370	Gear – 41T	5	35	1
62–0380	Hub – Pulley	6	52	1
62–0430	Collar – Shift (Speed)	5	3	1
62–0470	Latch – Arm	7	17	1
62–0480	Gear Case – Lower	5	44	1
62–0490	Gear Case – Upper	5	24	1
62–0500	Gear – 15T	6	48	1
62–0720	Housing – 24	1	6	1
62–0820	Gear – Worm	1	22	1
62–0840	Chute Assembly	1	19	1
62–0860	Link – Gearshift	5	18	1
62–0870	Lever – Gear Shift	5	16	1
62–0880	Lever – Direction Shift	5	5	1
62–0920	Sheave Half – Traction	4	7	1
62–0930	Hub – Sheave	4	5	1
62–0940	Sheave Half – Impeller	4	3	1
62–0970	Pin – Idler	7	9	1
62–1000	Guard – Chain R.H.	7	30	1
62–1010	Guard – Chain L.H.	7	28	1
62–1020	Button – Detent	5	10	1
62–1040	Yoke–Shift	5	26	2
62–1050	Lever – Impeller	9	8	1
62–1060	Lever – Traction	9	24	1
62–1070	Bushing – Lever	9	11	2
62–1080	Shaft – Output	5	37	1
62–1100	Lever – Latch	8	7	1
62–1110	Lever – Index Wheel	8	3	1
62–1120	Lever – Reverse	8	22	1
62–1130	Lever – Reverse	8	20	1
62–1140	Cover – Latch	8	12	1
62–1150	Bushing – Worm	3	16	1
62–1160	Bushing – Intermediate	6	46	4
62–1170	Bushing – Flange	5	38	2
62–1180	Bushing – Output (Flange)	5	1	1
62–1190	Bracket – Bellcrank	5	22	1
62–1230	Washer – Rubber	9	33	1
62–1290	Knob – Shift	8	1	1
62–1300	Pulley – Impeller	1	24	1
62–1310	Pulley – Traction	6	50	1
62–1320	Knob – Chute Control	9	17	1
62–1330	Bolt – Shoulder	7	24	2
62–1350	Bushing – Output	5	27	2
62–1381	Handle – R.H.	9	9	1
62–1430	Retainer – Chute	1	11	3
62–1440	Cover – Engine Frame	2	32	1
62–1460	Gear – Universal	9	32	2
62–1470	Base – Lockout	8	42	1
62–1490	Plate – Guide	9	15	1
62–1520	Cover – Knob	9	19	1
62–1530	Shaft – Auger 24	3	1	1
62–1640	Lever – Trip	9	12	1
62–1650	Spring – Torsion	8	6	1
62–1690	Cover – Detent	5	11	1
62–1700	Lever – Lockout	8	19	1
62–1710	Spring – Flat	8	16	1
62–1720	Rod – Chute Gear	1	23	1
62–1740	Bracket – Cable	5	7	1
63–2030	Rod – Cross	9	27	1
63–2080	Cover – Belt (Upper)	1	28	1
63–2111	Axle Assembly	7	29	1
63–2150	Frame – Control	8	23	1
63–2160	Rod – Chute Crank	9	16	1
63–2170	Cover – Lever Lock	9	1	1
63–2180	Bracket – Gear	1	7	1
63–2190	Pin – Gearshift Link	5	15	1
63–2200	Cable – Latch	8	39	1
63–2210	Cable – Gearbox	8	38	1
63–2220	Spring – Extension	8	8	1
63–2230	Spring – Extension	8	21	1
63–2240	Spring – Extension	8	17	1
63–2250	Bushing – Axle	7	26	2
63–2270	Spring – Torsion	8	40	1
63–2280	Washer – Thrust	5	33	1
63–2300	Retainer – Cable	1	26	1
63–2410	Decal – Choke	4	12	1
63–2480	Decal – #2	8	10	1
63–2510	Decal – Panel Front	9	36	1
63–2600	Bellcrank	5	20	1
63–2610	Pin – Tang	8	9	1
63–2630	Bracket – Shift	8	33	1
63–2650	Screw – Shoulder	8	18	2
63–2670	Plate – Chute Retainer	1	10	3
63–2700	Cable – Impeller	10	41	1
63–2710	Cable – Traction	10	40	1
63–2740	Spring – Torsion	7	36	1
63–2810	Arm – Brake	7	2	1
63–2830	Rod – Shift (Lower)	8	34	1
63–2850	Bracket – Idler Arm	7	3	1
63–2870	Spring – Extension	7	14	2
63–2880	Spring – Torsion	7	13	1
63–2890	Spring – Compression	5	9	1
63–2900	Washer – Plastic	1	17	2
63–2910	Spring – Torsion	9	7	1
63–2920	Spring – Extension	5	4	1
63–2940	Chain – Drive	4	19	1
63–2951	Belt – Traction	4	6	1
63–2961	Belt – Impeller	4	4	1
63–2990	Frame – Transmission	4	21	1
63–3020	Guard – Chute	1	14	1
63–3050	Decal – Lever	9	25	1
63–3130	Clip – Chute Guard	1	12	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63–3290	Cover – Cable	1	29	1
63–3340	Washer	7	22	4
63–3380	Spacer – Traction Lever	9	22	1
63–3410	Bolt – Shoulder	5	13	1
63–3420	Harness – Wire	10	*	1
63–3450	Bearing – Impeller	2	39	1
63–8360	Key – Switch	9	20	1
66–6840	Decal – Hot Surface	4	14	1
66–6850	Decal – Panel Top	9	14	1
66–6860	Decal – Warning	10	38	1
66–6860	Decal – Warning	7	40	1
66–6980	Frame – Engine	2	31	1
66–7720	Rod – Latch	7	18	1
66–7730	Clevis	8	30	1
66–7740	Pivot Arm Assembly	7	23	2
66–7762	Blade – Scraper	2	45	1
66–7811	Shaft – Impeller	3	6	1
66–7821	Plate – Side R.H.	1	3	1
66–7831	Plate – Side L.H.	2	46	1
66–7850	Handlegrip	9	10	2
66–7910	Impeller	2	50	1
66–8010	Spacer	2	51	2
66–8030	Transmission Assembly	4	20	1
66–8060	Pad – Brake	7	42	1
66–8091	Handle – L.H.	9	29	1
66–8100	Panel – Control	9	13	1
67–5870	Gear – Bevel 36T	6	57	1
67–5880	Collar – Shift	6	58	1
67–9220	Tire & Wheel Assembly	7	34	2
67–9240	Rod – Shift (Upper)	8	2	1
67–9250	Retainer – Shift Rod	8	28	1
68–4100	Plate – Engine Stud R.H.	2	*	1
68–4110	Plate – Engine Stud L.H.	2	34	1
68–4310	Gear – 26T	6	47	1
68–4320	Sleeve – Shift	6	55	1
68–7450	Auger – R.H.	2	54	1
68–7460	Auger – L.H.	2	*	1
68–7510	Guide – Belt	4	8	1
68–8410	Cover – Belt (Lower)	2	41	1
74–1440	Skid Assembly	2	44	2
74–1540	Gearcase Assembly – L.H.	3	13	1
74–1550	Gearcase Assembly – R.H.	3	4	1
74–1560	Auger Gearbox Assembly	2	53	1
78–2920	Joint – Ball	8	36	1
78–2920	Joint– Ball	4	17	1
88–0810	Spring – Extension	10	39	1
93–1265	Decal – Hot Surface	4	14	1
93–8045	Arm – Traction Idler	7	10	1
93–8046	Arm – Impeller Idler	7	11	1
94–2559	Decal – Danger Chute	1	*	1
94–2568	Decal – Danger Auger	1	*	1
94–2572	Decal – Primer	4	10	1
94–2575	Decal – Warning	10	*	1
94–2575	Decal – Warning	7	*	1
94–2578	Decal – Panel Top	9	*	1
94–2782	Cap – Wire	4	31	1
94–4496	Screw – Pan Hd.	7	31	3
94–6961	Screw – Pan Hd.	8	11	2
94–6961	Screw – Pan Hd.	9	35	2
94–8079	Decal – Danger Chute	1	20	1
95–7947	Cap Plug	4	35	2
127–20	Guard – Muffler	4	{27	1
2210–250	Screw	9	2	3
252–59	Washer – Thrust	5	2	3
252–71	Bearing – Thrust	3	5	2
252–76	Bearing – Thrust	3	9	1
252–78	Washer – Thrust	3	8	2
252–80	Washer – Thrust	7	27	4
252–80	Washer – Thrust	2	36	1
253–149	Seal – Input	3	11	1
256–237	Bushing – Sleeve	3	3	2
256–296	Bushing – Nyliner	8	31	2
257–9	Washer – Thrust	8	14	1
257–10	Washer – Thrust	5	39	4
281–1	Plug – Pipe Sq. Hd.	3	14	1
283–3	Pin – Clevis	5	19	1
288–2	Cap – Pipe	4	34	1
289–34	Nipple Pipe	4	33	1
321–3	Screw – Hex. Hd.	2	60	8
321–9	Screw – Hex. Hd.	8	29	1
321–15	Screw – Hex. Hd.	6	54	1
321–44	Screw – Hex. Hd.	2	52	2
322–12	Bolt – Auger	2	59	2
323–4	Screw – Hex. Hd.	1	1	2
323–7	Screw – Hex. Hd.	7	8	2
3210–1	Screw – Hex. Hd.	4	25	2
3212–8	Screw – Hex. Hd.	4	1	1
3220–3	Nut – Jam	4	26	1
3220–3	Nut – Jam	8	35	1
3230–2	Bolt – Carriage	1	8	1
3230–23	Screw – Carriage	2	48	9
3234–5	Screw – Hex.. Washer Hd.	2	33	4
3234–7	Screw – Hex. Flange Hd.	4	16	4
3234–7	Screw – Hex. Flange Hd.	7	41	2
3234–13	Screw – Hex. Washer Hd.	7	5	1
3234–28	Screw – Hex. Flange Hd.	1	4	12
3242–4	Screw – Set Sq. Hd.	1	25	2
3253–4	Washer – Lock	4	24	2
3253–6	Washer – Lock	4	2	1
3256–1	Washer – Flat	7	21	2
3256–1	Washer – Flat	8	27	2
3256–14	Washer – Flat	1	16	1
3256–14	Washer – Flat	10	42	2
3256–23	Washer – Flat	8	24	3
3256–23	Washer – Flat	2	42	1
3256–38	Washer – Flat	7	12	1
3256–41	Washer	4	32	1
3256–61	Washer – Flat	1	21	1
3257–10	Key – Woodruff	3	12	1
3257–23	Key – Woodruff	2	35	1
3269–23	Rivet	1	30	4
3272–1	Pin – Cotter	5	17	1
3274–13	Screw – Machine	1	13	3
3290–243	Pin – Klik	7	38	2
3290–320	Nut – Push	8	15	1
3290–320	Nut – Push	9	18	2
3290–326	Nut – Push	1	15	2
3290–359	Screw	9	28	1
3290–378	Tie – Cable	9	30	3
3290–422	Nut – Push	8	4	1
3290–456	Washer – Belleville	8	37	1
3290–461	Washer – Belleville	7	16	2
3290–461	Washer – Belleville	4	22	4
3290–476	Fastener – Panel	7	37	1
3290–477	Washer – Curved	5	14	1
3296–2	Nut – Lock	1	9	4
3296–2	Nut – Lock	9	23	1
3296–6	Nut – Lock	4	18	1
3296–6	Nut – Lock	8	32	1
3296–23	Nut – Lock	7	25	2
3296–29	Nut – Lock	8	25	7
3296–29	Nut – Lock	2	37	14
3296–39	Nut – Lock	7	15	2
3296–42	Nut – Lock	7	4	1
3296–42	Nut – Lock	5	23	1
3296–42	Nut – Lock	8	26	1
3296–42	Nut – Lock	2	49	10
3296–47	Nut – Lock	9	37	4
3296–47	Nut – Lock	7	39	2
3296–47	Nut – Lock	2	47	20
3296–59	Nut – Lock	7	7	2
32104–71	Screw – Pan Hd.	5	12	1
32104–76	Screw – Self Tapping	9	34	2
32104–95	Screw – Hex. Washer Hd.	5	21	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
32120—46	Ring — Retaining	7	1	2
32120—46	Ring — Retaining	8	13	1
32121—9	Pin — Roll	7	19	2
32121—50	Pin — Roll	9	31	2
32121—106	Pin — Coil	5	6	3
32121—120	Roll — Pin	6	60	2
32122—32	Screw	1	18	1
32128—20	Nut — Lock	4	15	4
32128—32	Nut — Flange Lock	6	51	1
32144—4	Screw	4	13	1
32144—4	Screw — Hex. Flange Hd.	7	20	2
32144—4	Screw — Hex. Flange Hd.	1	27	5
32144—4	Screw — Self Tapping	5	8	2
32144—14	Screw	2	61	6
32144—14	Screw — Hex. Flange Hd.	9	26	6
32144—86	Screw — Hex. Washer Hd.	5	25	6
32144—110	Screw — Hex. Washer Hd.	3	17	9
32151—33	Ring — Snap	3	7	1
32151—66	Ring — Retaining	9	5	1
505—101	Grease — 14.5 oz. Cartridge	6	*	1
505—129	Sealant — 100g Tube	3	*	1

OPTIONAL EQUIPMENT

110 Vac Electric Starter Kit	38039
Snow Cab	68—9500
Drift Breaker	66—7960
Light Kit	66—7941
Tire Chain Kit	56—2700
Differential Kit	38038

*Not Illustrated