FORM NO. 3321–631 Rev A

TORO®

Powershift®

824 Snowthrower

Model No.38542 – 9900001 & Up

Model No.38546 – 9900001 & Up

Parts Catalog

ORDERING REPLACEMENT PARTS

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

Contents

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Accessories

Description	Model / Parts No.
110 Vac Electric Starter Kit	38039
230 Vac Elec. Starter Kit (Model 38546 only)	38041
Snow Cab	68–9500
Drift Breaker	66–7960
Light Kit	66–7941
Tire Chain Kit	56–2700
Differential Kit	38038

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

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Service Assemblies

Parts within service assemblies have reference numbers in the form *X:Y. X* is the reference number of the service assembly and *Y* is a sequential number unique to each part within the service assembly.

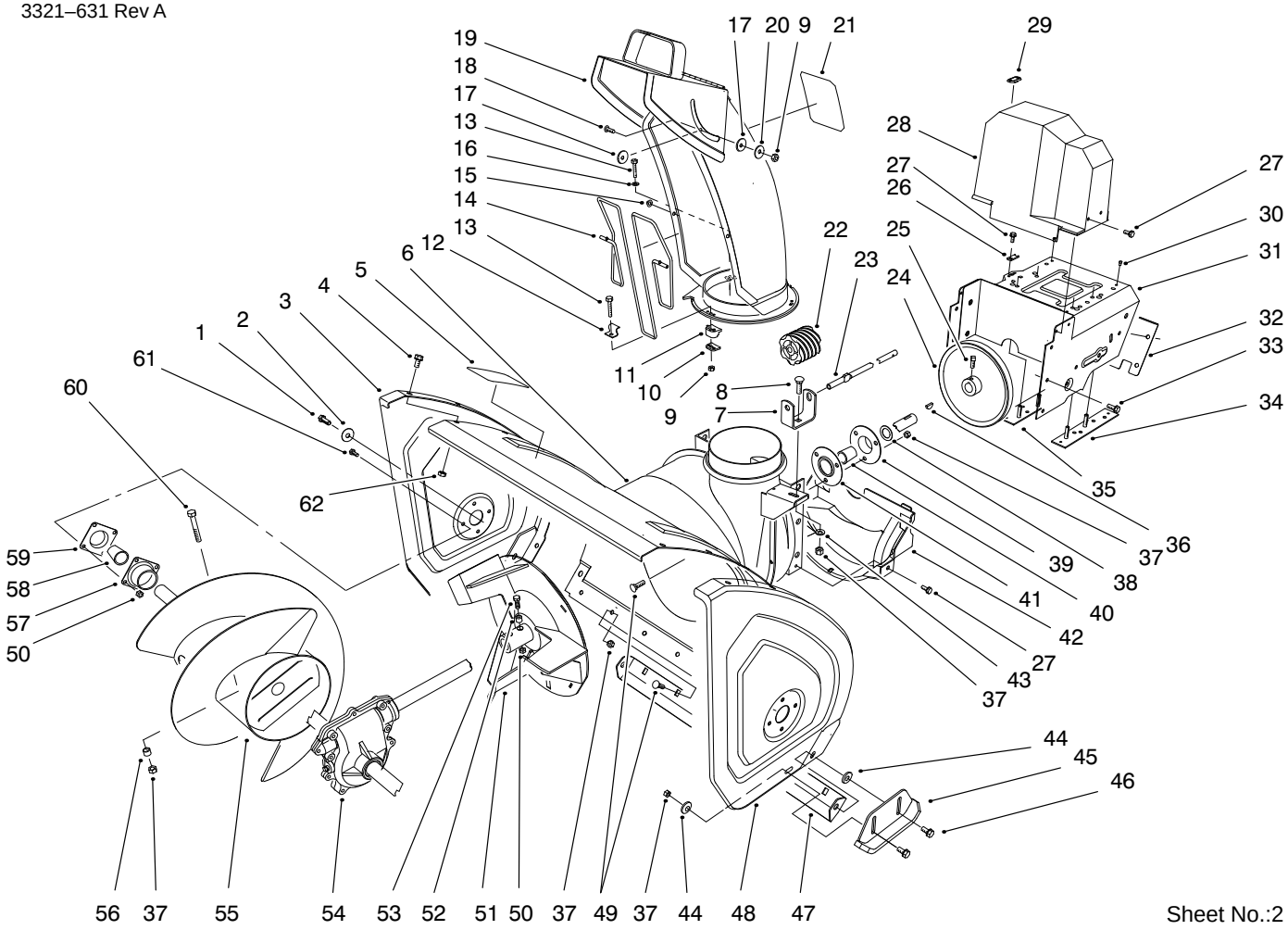
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in part lists and as callouts in illustrations.

Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form *X (Y). X* is the reference number. *Y* in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.

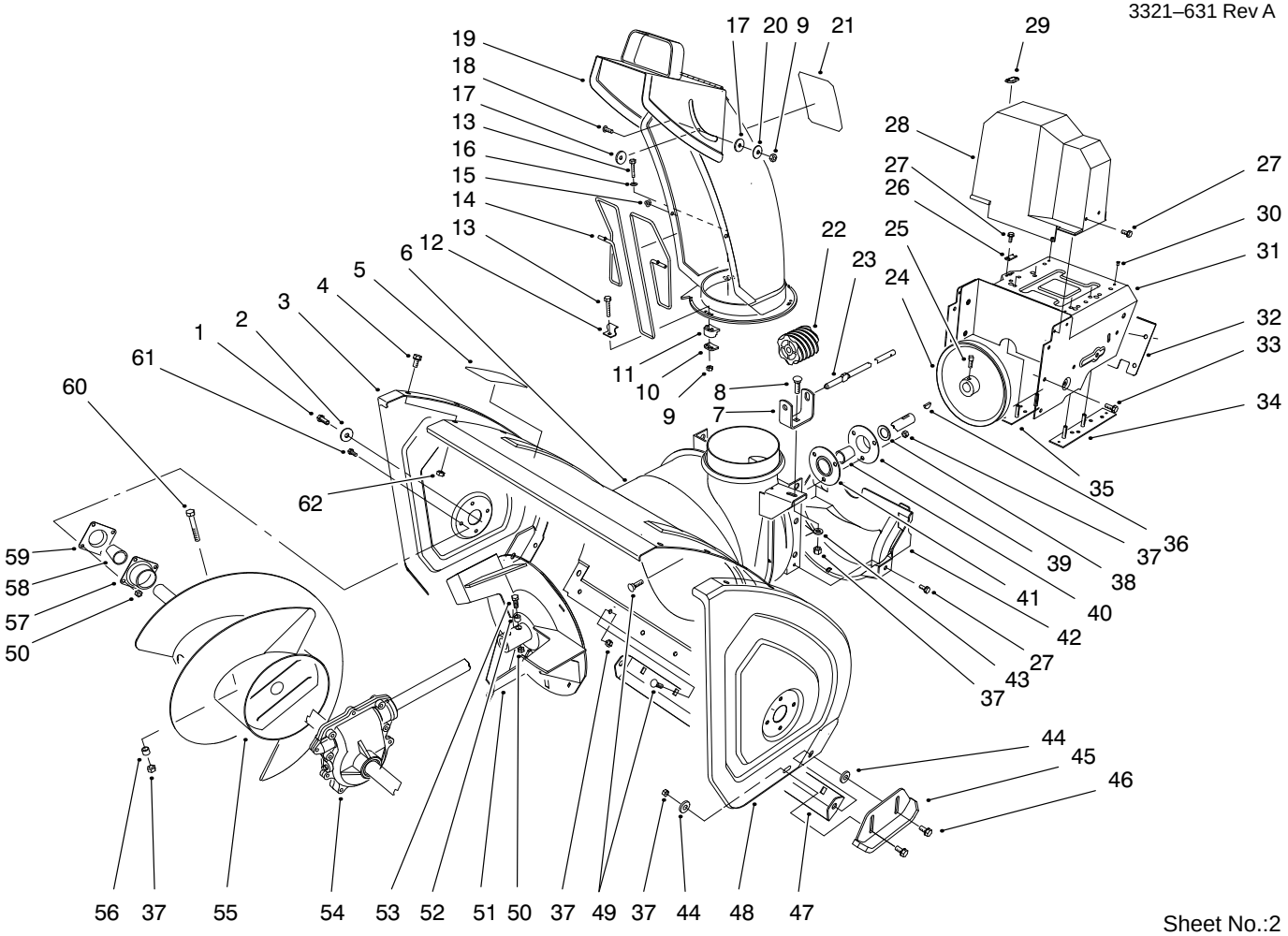


Sheet No.:2

Housing and Chute Assembly

Ref. No.	Part No.	Qty.	Description
1	323–4	2	Screw–HH
2	3–0750	2	Washer
3	66–7821–01	1	Plate–Side, RH
4	3234–28	12	Screw–HHF
5	53–7670	1	Decal–Warning, Auger (Only On: 38542)
5	94–2568	1	Decal – Warning (Only On: 38546)
6	62–0720–01	1	Housing ASM
7	63–2180	1	Bracket–Worm, Chute
8	3230–2	1	Screw–CARR
9	3296–2	4	Nut–Lock Ni
10	63–2670	3	Plate–Retainer, Chute
11	62–1430	3	Retainer–Chute
12	63–3130	1	Clip–Guard, Chute
13	3274–13	3	Screw–HSH
14	63–3020	1	Guard–Chute
15	3290–326	2	Nut–Push
16	3256–14	1	Washer–Flat
17	63–2900	2	Washer–Plastic
18	32122–32	1	Screw
19	62–0840–03	1	Chute ASM
20	3256–61	1	Washer–Flat
21	94–2559	1	Decal – Danger (Only On: 38546)

Ref. No.	Part No.	Qty.	Description
21	94–8079	1	Decal–Danger (Only On: 38542)
22	62–0820	1	Gear–Worm
23	62–1720	1	Rod–Chute, Lower
24	62–1300	1	Pulley–Impeller
25	3242–4	2	Screw–Sqh
26	63–2300	1	Retainer–Cable
27	32144–4	5	Screw–HH
28	63–2080	1	Cover–Belt, Upper
29	63–3290	1	Cover–Cable
30	3269–23	4	Rivet–Pop
31	66–6980–01	1	Engine Frame ASM
32	62–1440–01	1	Cover–Frame, Engine
33	32144–14	6	Screw–HWH
34	68–4110	1	Plate ASM–Frame, LH
35	68–4100	1	Plate ASM–Frame, RH
36	3257–23	1	Key–Woodruff
37	3296–29	14	Nut–Lock Ni
38	252–80	1	Bearing–Thrust
39	26–6110	1	Flange–Cup, Bearing
40	63–3450	1	Bearing–Ball
41	26–6120	1	Flange–Cup, Bearing
42	68–8410	1	Cover–Belt, Lower
43	3256–23	1	Washer–Flat

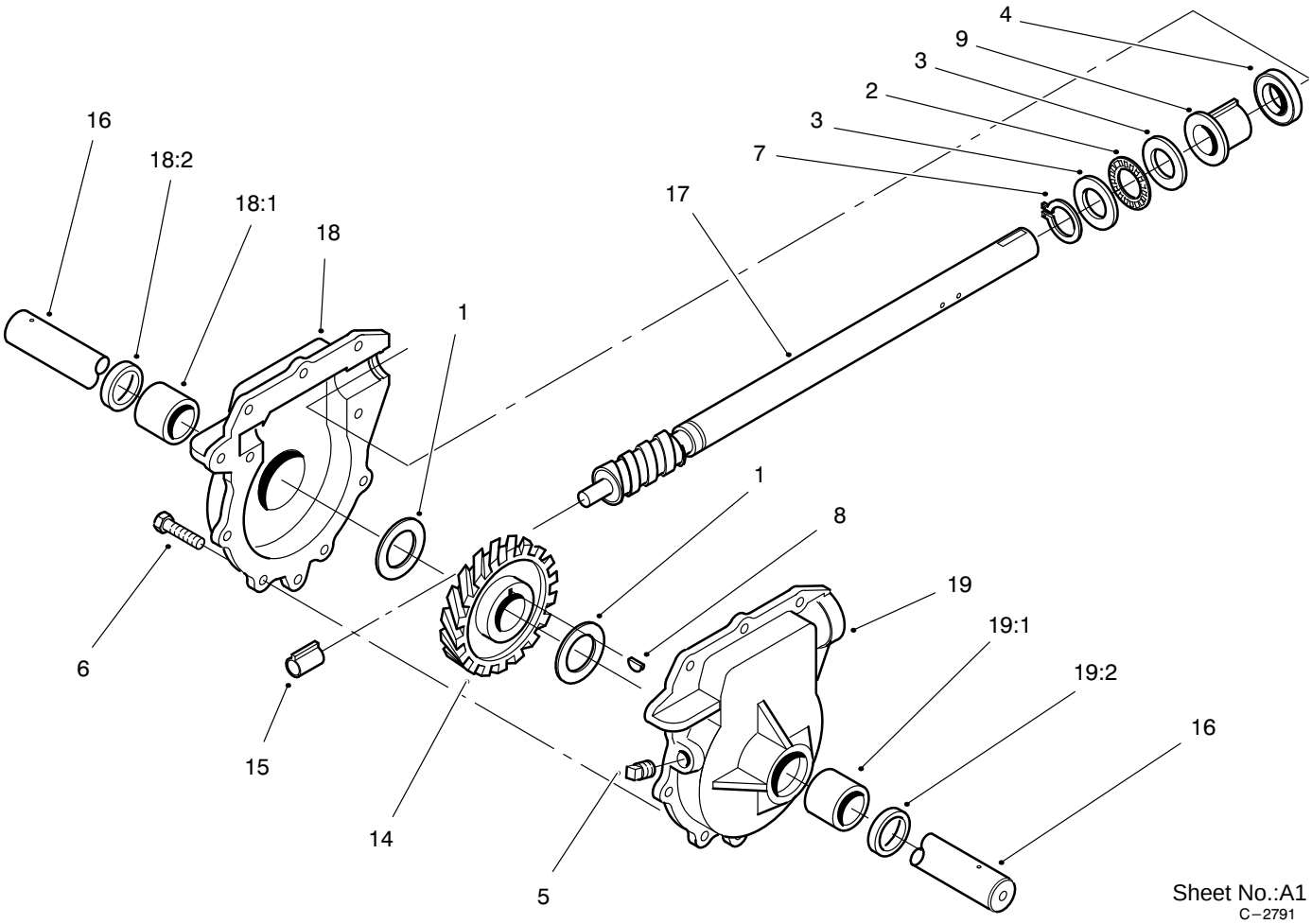


Sheet No.:2

Housing and Chute Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
44	52–2861	4	Washer
45	74–1440–01	2	Skid ASM, Welded
46	3234–5	4	Screw–HHF
47	66–7762–01	1	Scraper Blade ASM
48	66–7831–01	1	Plate–Side, LH
49	3230–23	9	Screw–CARR
50	3296–42	10	Nut–Lock Ni
51	66–7910–03	1	Blade Impeller ASM
52	66–8010	2	Spacer–Hub, Impeller
53	321–44	2	Screw–HHF
54	74–1560	1	Auger Gearcase ASM
55	68–7460–03	1	Auger ASM, LH
55	68–7450–03	1	Auger ASM, RH
56	25–5090	2	Spacer–Hub, Auger
57	20–0990	2	Flange–Bearing, Front
58	20–0980	2	Bearing
59	20–1000	2	Flange–Bearing, Rear
60	322–12	2	Screw–HH
61	321–3	8	Screw–HH
62	3296–47	20	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description

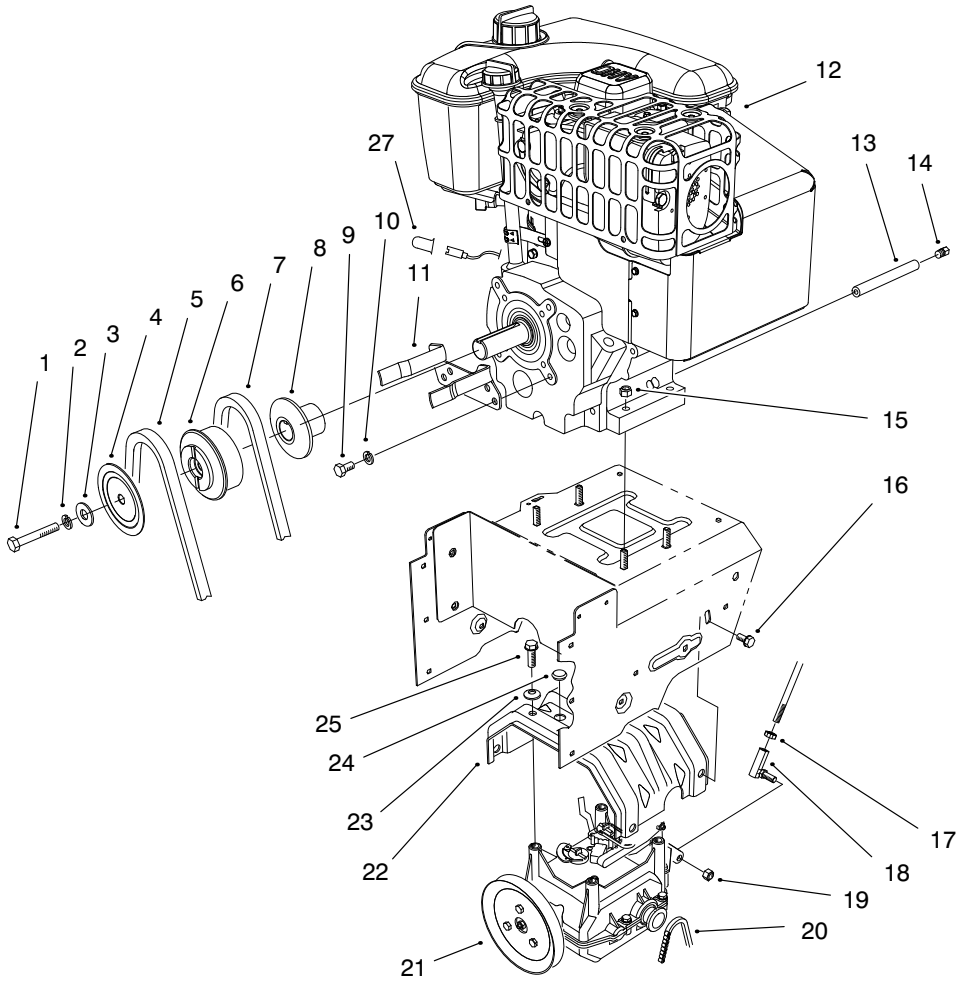


Sheet No.:A1
C–2791

24” AUGER GEARCASE ASSEMBLY NO. 74–1560

Ref. No.	Part No.	Qty.	Description
1	252–71	2	Bearing–Thrust
2	252–76	1	Bearing Thrust
3	252–78	2	Bearing–Thrust
4	253–149	1	Seal–Oil
5	281–1	1	Plug–Sqh Pipe
6	32144–110	9	Screw–HWH
7	32151–33	1	Ring–Retaining, Ext.
8	3257–10	1	Key–Woodruff
9	37–6560	1	Bushing–Input
14	62–0120	1	Gear–Helical
15	62–1150	1	Bushing–Worm
16	62–1530	1	Shaft–Auger, 24”
17	66–7810	1	Shaft–Impeller
18	74–1540	1	Auger Gearcase ASM, LH
18:1	256–237	1	Bushing
18:2	7–0045	1	Oil Seal
19	74–1550	1	Auger Gearcase
19:1	256–237	1	Bushing
19:2	7–0045	1	Oil Seal
			ASM, RH

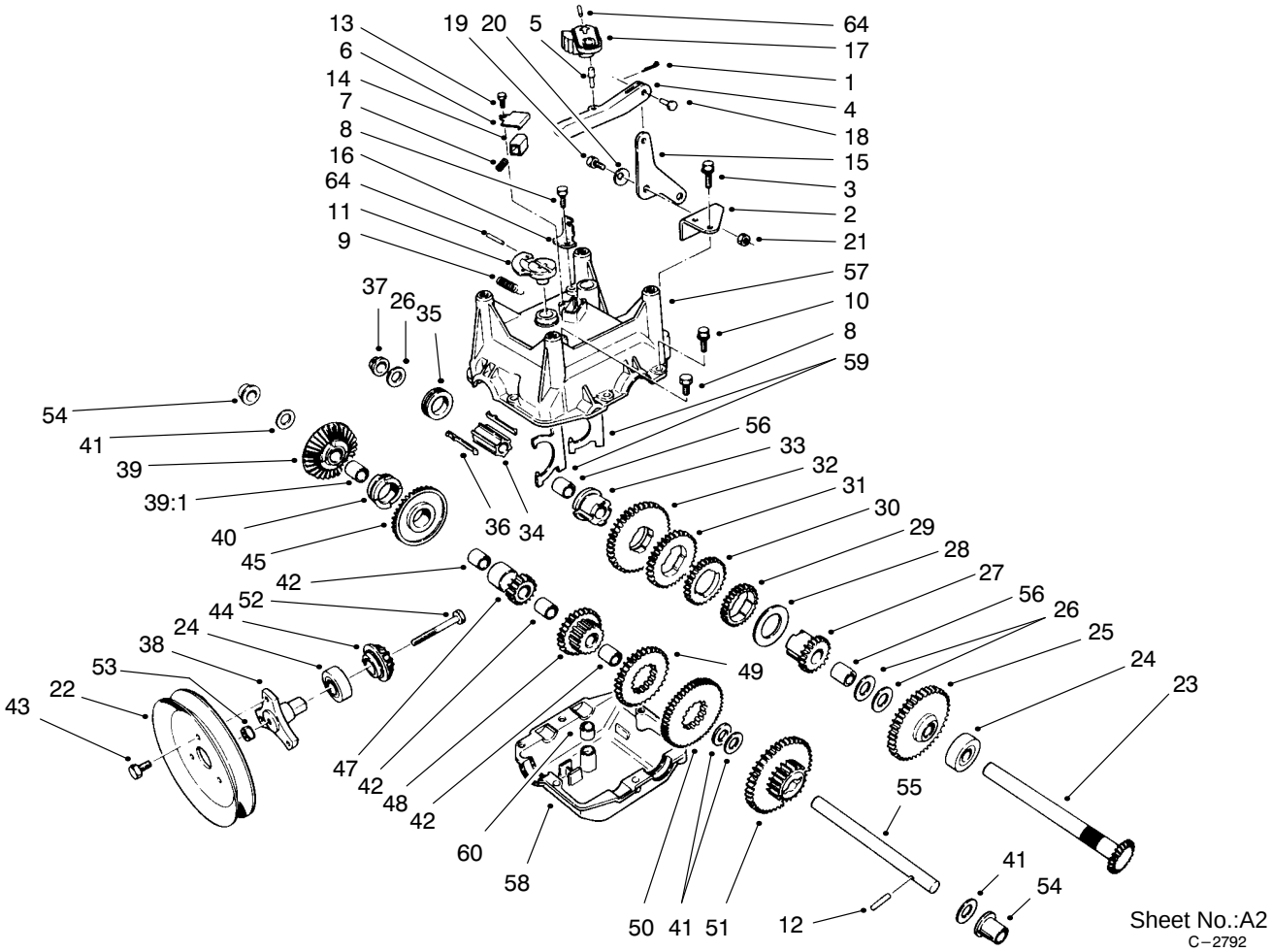
Ref. No.	Part No.	Qty.	Description



Sheet No.:3

Engine Assembly

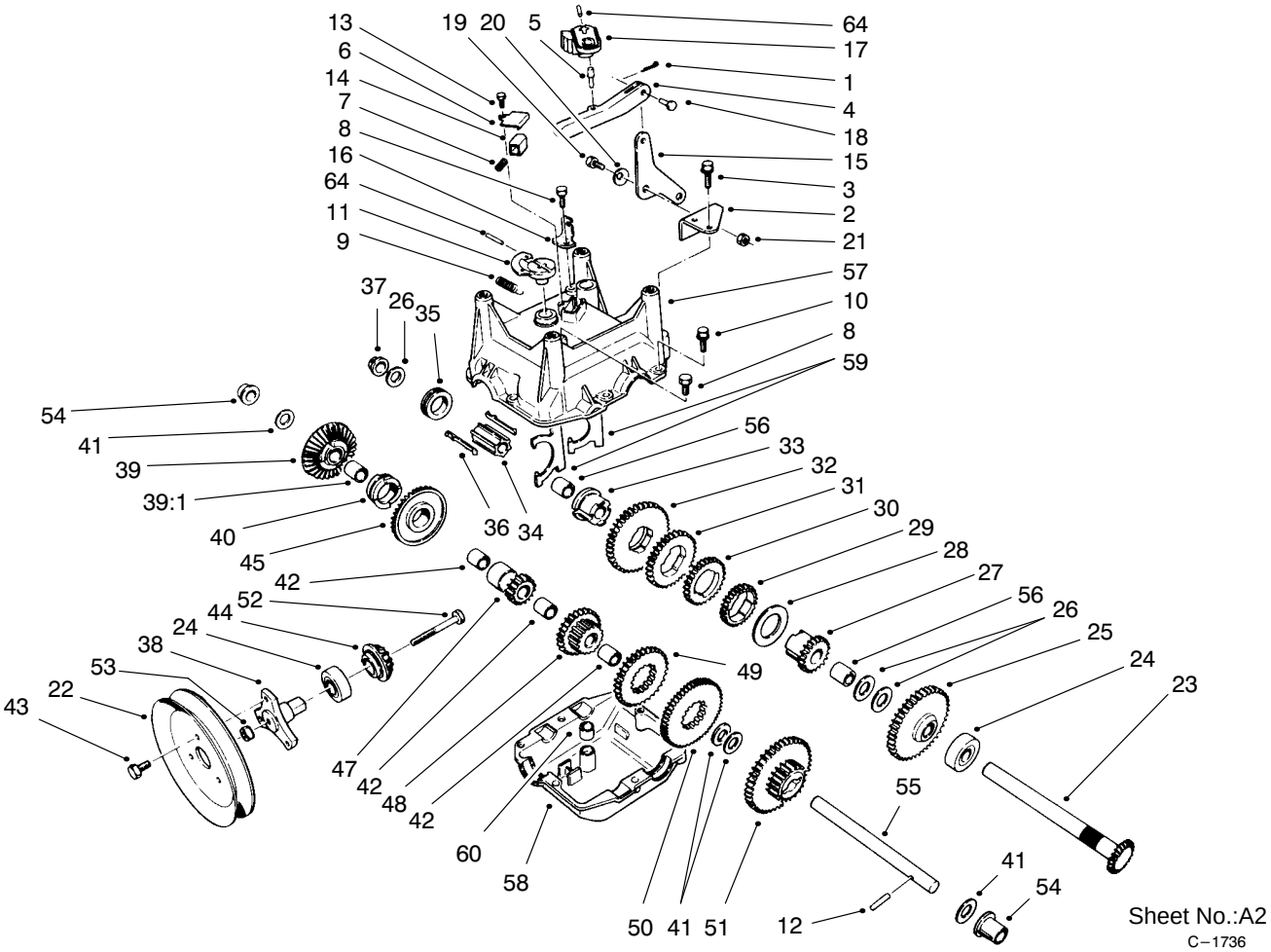
Ref. No.	Part No.	Qty.	Description
1	3212–8	1	Screw–HH
2	3253–6	1	Washer–Lock/Sp
3	3256–41	1	Washer–Flat
4	62–0940	1	Sheave–Half, Impeller
5	63–2961	1	Belt–Impeller
6	62–0930	1	Pulley–Engine, Center
7	63–2951	1	Belt–Traction
8	62–0920	1	Sheave–Half, Traction
9	3210–1	2	Screw–HH
10	3253–4	2	Washer–Lock/Sp
11	68–7510–03	1	Belt Guide ASM
12		1	Engine–Tecumseh (OHSK80–221201A)
13	289–34	1	Nipple–Pipe
14	288–2	1	Cap–Pipe
15	32128–20	4	Nut–Hex Flange
16	3234–7	4	Screw–HHF
17	3220–3	1	Nut–Jam
18	78–2920	1	Ball–Joint
19	3296–6	1	Nut–Lock Ni
20	63–2940	1	Chain
21	66–8030	1	Traction Gearcase ASM
22	63–2990–03	1	Transmission Frame ASM
23	3290–461	4	Washer–Spring
24	95–7947	2	Cap–Plug
25	11–0590	4	Screw–Thread Forming
27	94–2782	1	Cap–Wire, Lite



TRANSMISSION ASSEMBLY NO. 66–8030

Ref. No.	Part No.	Qty.	Description
1	3272–1	1	Pin–Cotter
2	62–1190	1	Bracket–Bellcrank
3	32104–95	2	Screw–HWH
4	62–0860	1	Link–Shift, Gear
5	63–2190	1	Pin–Link, Gear Shift
6	62–1690	1	Cover–Detent
7	63–2890	1	Spring–Detent
8	32144–4	2	Screw–HH
9	63–2920	1	Spring–Extension
10	32144–86	6	Screw–HH
11	62–0880	1	Lever
12	32121–106	1	Pin–Spring
13	32104–71	1	Screw–HWH
14	62–1020	1	Button–Detent
15	63–2600	1	Bellcrank
16	62–1740	1	Bracket–Cable, F/R
17	62–0870	1	Lever–Shift, Gear
18	283–3	1	Pin–Clevis
19	63–3410	1	Screw–Shoulder
20	3290–477	1	Washer–Curved
21	3296–42	1	Nut–Lock Ni
22	62–1310	1	Traction–Sheave, Half
23	62–1080	1	Shaft–Output
24	38–7820	2	Bearing–Ball
25	62–0370	1	Gear, 41 T
26	252–59	3	Bearing–Thrust

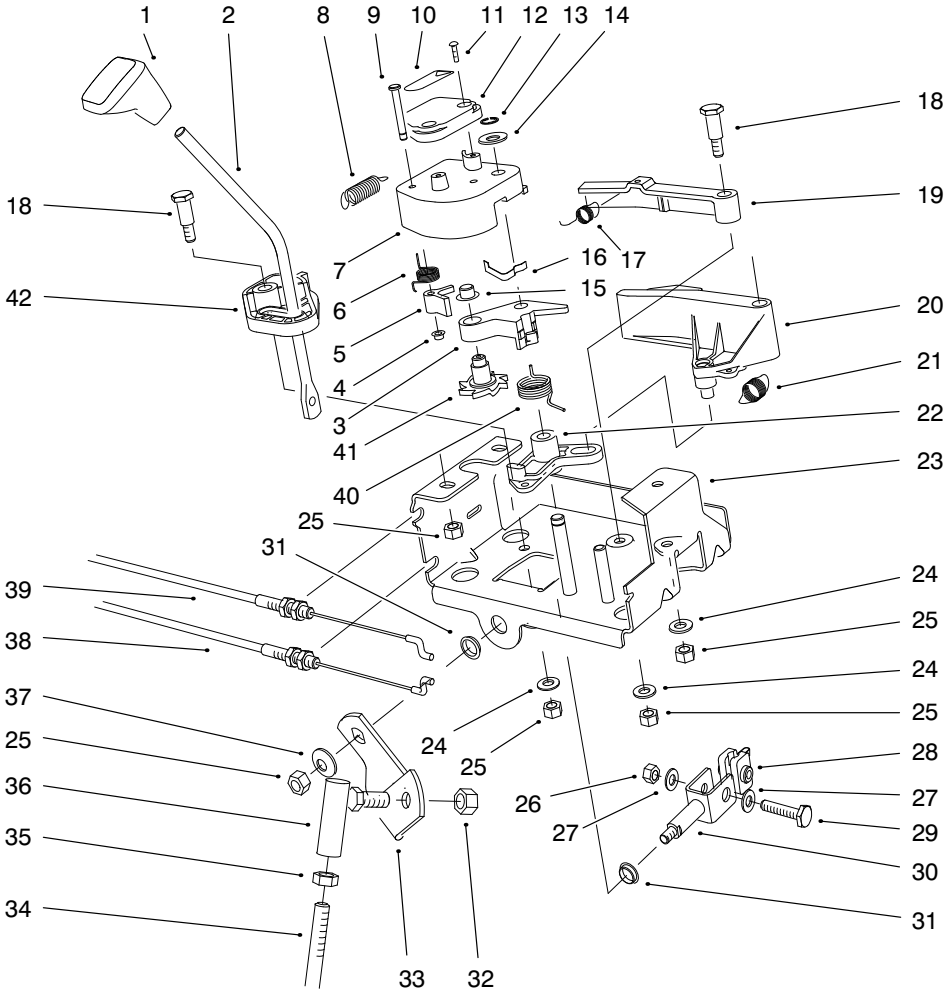
Ref. No.	Part No.	Qty.	Description
27	62–0340	1	Gear–Sleeve, 19 T
28	63–2280	1	Washer–Thrust
29	62–0250	1	Gear, 29 T
30	62–0200	1	Gear, 27 T
31	62–0220	1	Gear, 34 T
32	62–0240	1	Gear, 45 T
33	62–0320	1	Sleeve–Gear
34	68–4320	1	Sleeve–Shift
35	62–0430	1	Collar–Shift
36	62–0310	2	Key
37	62–1180	1	Bushing–Flange, Output
38	62–0380	1	Hub–Pulley
39	13–3559	1	Gear–Bevel, Rev, 36T
39:1	62–1160	1	Bushing
40	67–5880	1	Collar–Shift
42	62–1160	3	Bushing
41	257–10	4	Washer–Thrust
43	12–3270	3	Screw
44	62–0350	1	Pinion–Bevel
45	67–5870	1	Bevel Gear 36 T
47	62–0500	1	Gear–Bevel, 15 T
48	68–4310	1	Gear, 26 T
49	62–0210	1	Gear, 33 T
50	62–0260	1	Gear, 51 T



TRANSMISSION ASSEMBLY NO. 66–8030 (Continued)

Ref. No.	Part No.	Qty.	Description
51	62–0360	1	Gear, 19/41 T
52	321–15	1	Screw–HH53
53	32128–32	1	Nut–Hex, Flange
54	62–1170	2	Bushing–Intermediate
55	62–0330	1	Shaft–Intermediate
56	62–1350	2	Bushing–Output
57	62–0490	1	Gearcase–Casing, Upper
58	62–0480	1	Gearcase–Casing, Lower
59	62–1040	2	Yoke–Shift
60	29–9570	1	Bushing–Yoke
64	32121–120	2	Pin–Spring

Ref. No.	Part No.	Qty.	Description

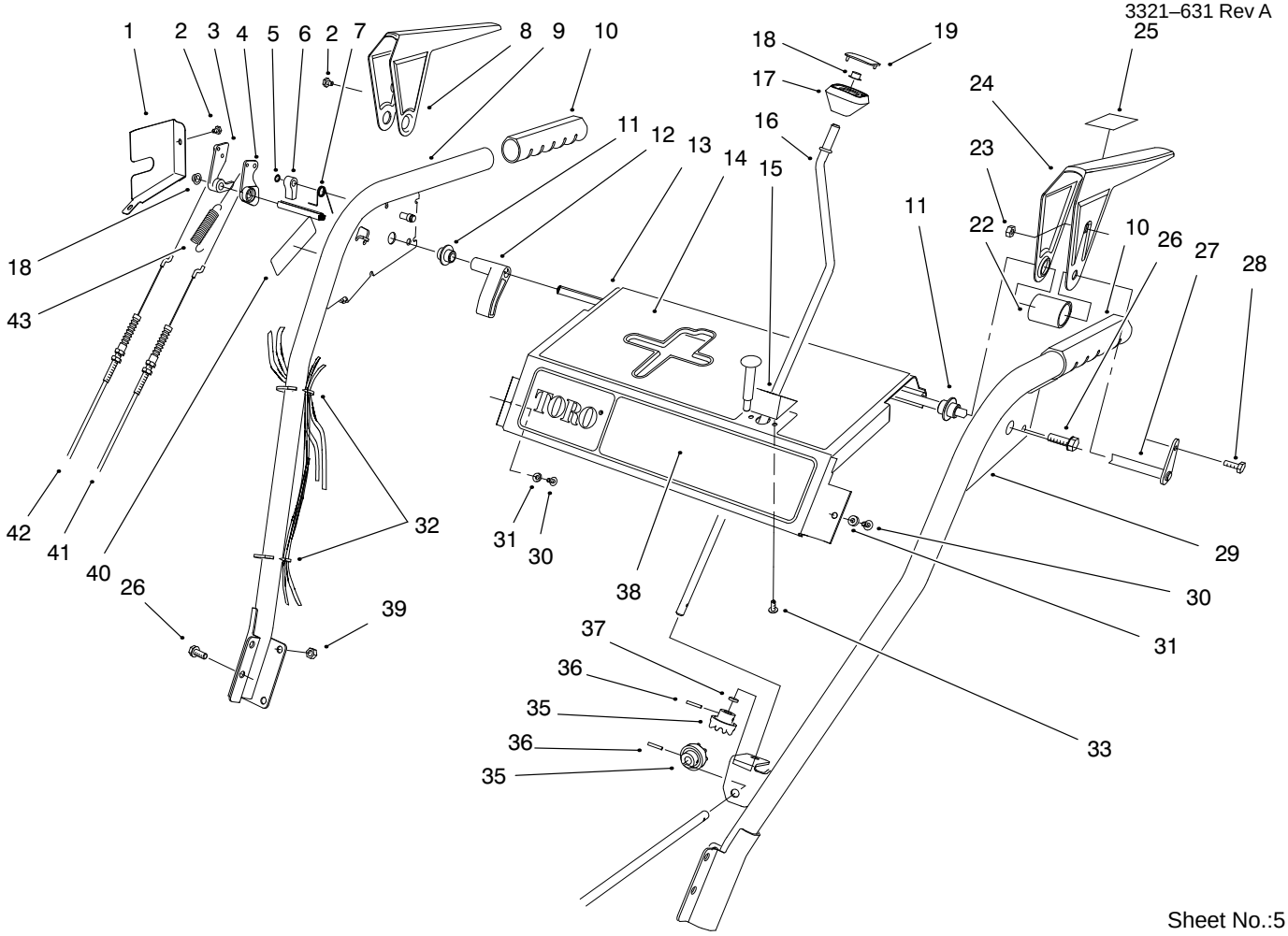


Sheet No.:4

Traction Linkage Assembly

Ref. No.	Part No.	Qty.	Description
1	62–1290	1	Knob–Shift
2	67–9240	1	Rod–Shift
3	62–1110	1	Lever–Wheel, Index
4	3290–422	1	Nut–Push
5	62–0180	1	Tang–Index
6	62–1650	1	Spring–Torsion
7	62–1100	1	Lever Latch
8	63–2220	1	Extension Spring
9	63–2610	1	Pin–Tang
10	63–2480	1	Decal–No. 2
11	94–6961	2	Screw
12	62–1140	1	Cover–Latch
13	32120–46	1	Ring–Retaining
14	257–9	1	Washer–Thrust
15	3290–320	1	Retainer–Push On
16	62–1710	1	Spring–Flat
17	63–2240	1	Spring–Extension
18	63–2650	2	Screw–Shoulder
19	62–1700	1	Lever–Lockout
20	62–1130	1	Lever–Reverse
21	63–2230	1	Spring–Extension
22	62–1120	1	Lever–Reverse, Switch
23	63–2150–03	1	Control Frame ASM
24	3256–23	3	Washer–Flat
25	3296–29	7	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description
26	3296–42	1	Nut–Lock Ni
27	3256–1	2	Washer–Flat
28	67–9250	1	Retainer–Rod, Shift
29	321–9	1	Screw–HH
30	66–7730	1	Clevis ASM
31	256–296	2	Bushing
32	3296–6	1	Nut–Lock Ni
33	63–2630	1	Bracket–Shift
34	63–2830	1	Rod–Bent Shift, Lower
35	3220–3	1	Nut–Jam
36	78–2920	1	Ball–Joint
37	3290–456	1	Washer–Belleville
38	63–2210	1	Cable–Gearbox
39	63–2200	1	Cable–Arm, Latch
40	63–2270	1	Torsion Spring
41	62–0170	1	Wheel–Index
42	62–1470	1	Base–Lockout

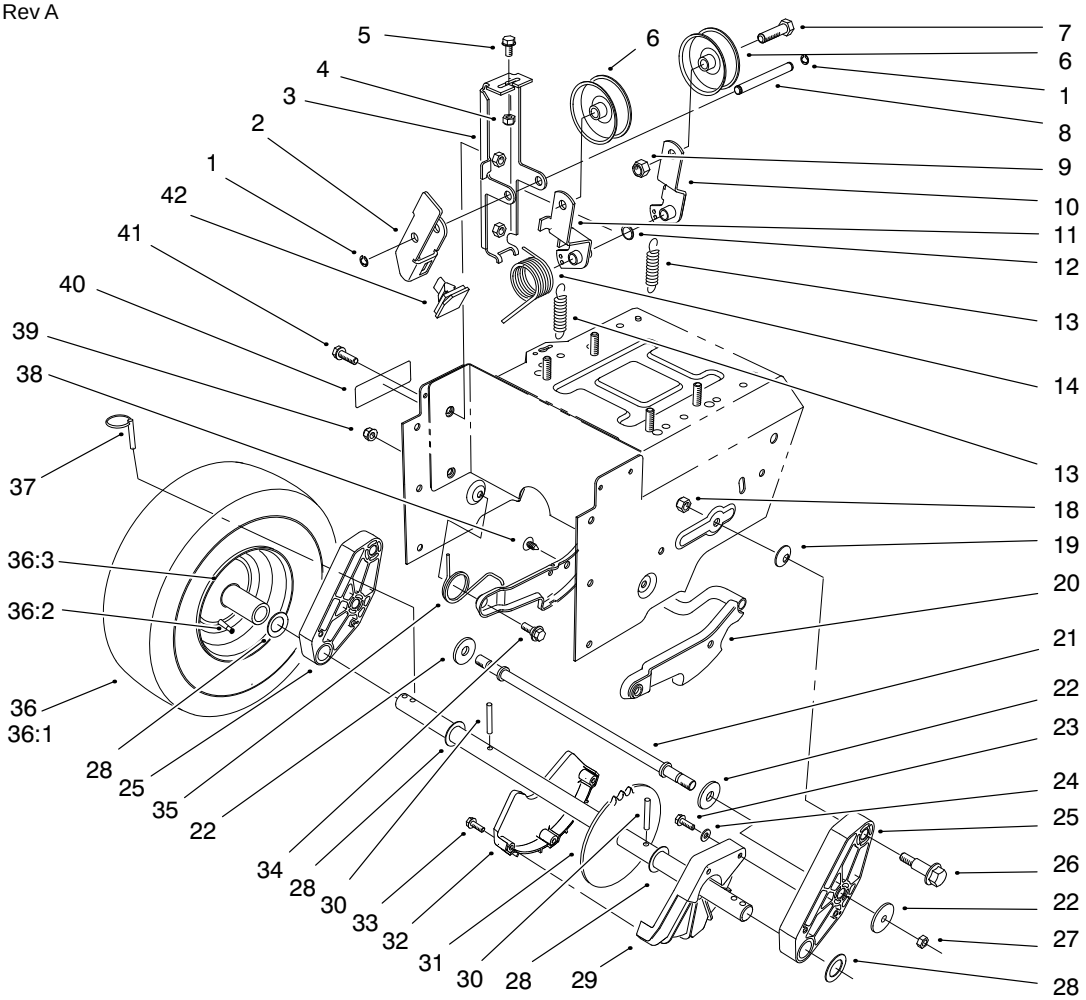


Sheet No.:5

Handle Assembly

Ref. No.	Part No.	Qty.	Description
1	63–2170–03	1	Cover–Lock, Lever
2	2210–250	3	Screw–HH
3	62–0300	1	Tang–Locking
4	62–0290	1	Cam–Release
5	32151–66	1	E–Ring–Retainer
6	62–0280	1	Latch–Locking
7	63–2910	1	Spring–Torsion
8	62–1050–03	1	Lever–Traction, RH
9	62–1381–03	1	RH Handle ASM, 24”–32”
10	66–7850	2	Grip–Handle
11	62–1070	2	Bushing–Lever
12	62–1640	1	Lever–Trip
13	99–5968	1	Control Plate ASM (Model 38542)
13	99–5969	1	Control Plate ASM (Model 38546)
14	99–3230	1	Decal–Top, Panel (Only On: 38542)
14	99–3229	1	Decal–Control (Only On: 38546)
15	62–1490	1	Plate–Guide
16	63–2160	1	Crank–Rod, Chute
17	62–1320	1	Knob–Control, Chute
18	3290–320	2	Retainer–Push On
19	62–1520	1	Cover–Knob
22	63–3380	1	Spacer–Lever, Traction

Ref. No.	Part No.	Qty.	Description
23	3296–2	1	Nut–Lock Ni
24	62–1060–03	1	Lever–Traction, LH
25	63–3050	1	Decal–Lever (Only On: 38542)
26	32144–14	6	Screw–HWH
27	63–2030	1	Cross Rod ASM
28	3290–359	1	Screw–HWH
29	66–8091–03	1	LH Handle ASM, 24”–32”
30	32104–76	2	Screw–Acorn Slot
31	3256–14	2	Washer–Flat
32	3290–378	2	Tie–Cable
33	94–6961	2	Screw
35	62–1460	2	Gear–Universal
36	32121–50	2	Pin–Spring
37	62–1230	1	Washer–Rubber
38	63–2510	1	Decal–Front Panel (824)
39	3296–47	4	Nut–Lock Ni
40	94–2575	1	Decal – Adjustment (Only On: 38546)
40	66–6860	1	Decal–Warning (Only On: 38542)
41	63–2710	1	Cable–Traction
42	63–2700	1	Cable–Impeller
43	88–0810	1	Spring–Extension

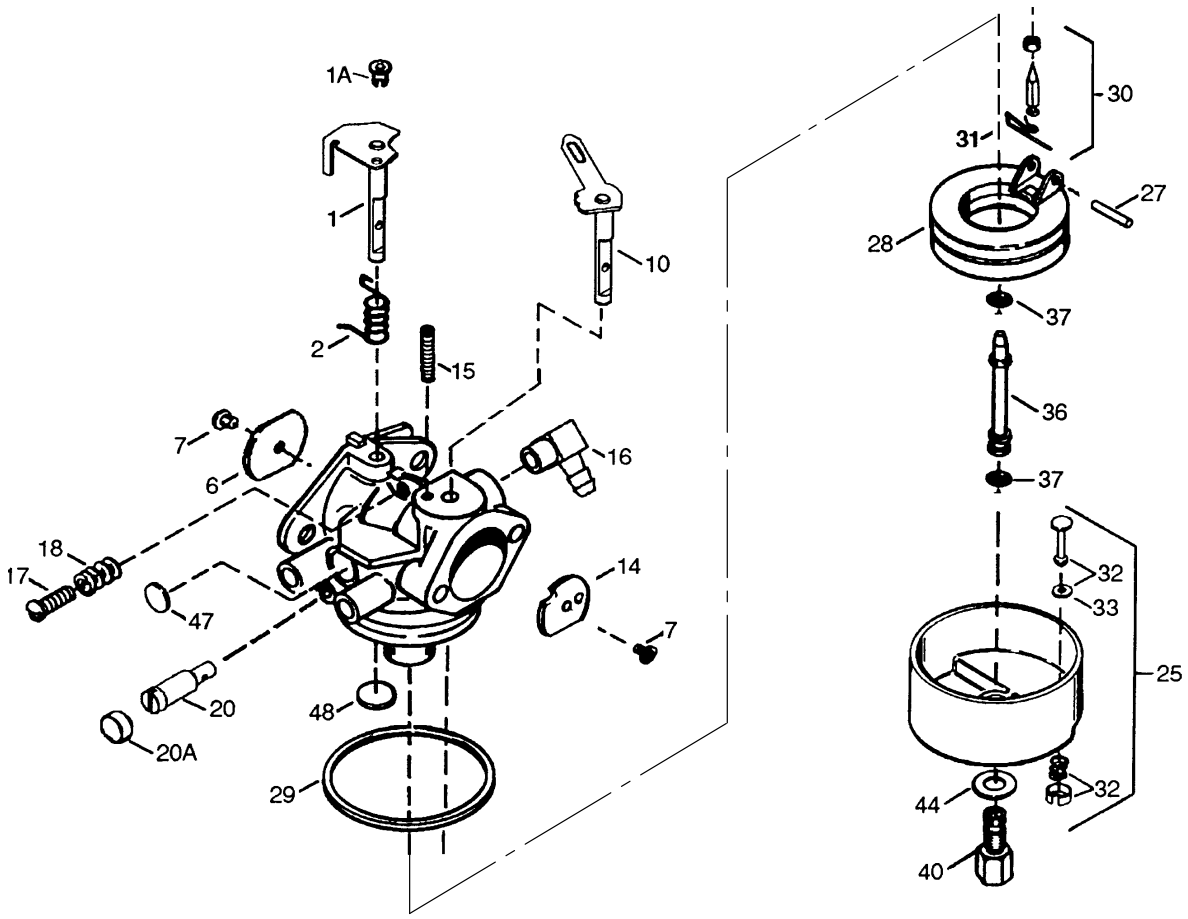


Sheet No.:6

Traction Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	32120–46	2	Ring–Retaining
2	63–2810	1	Arm–Brake
3	63–2850	1	Idler Arm Bracket ASM
4	3296–42	1	Nut–Lock Ni
5	3234–13	1	Screw–HHF
6	3–4244	2	Pulley–Idler
7	323–7	2	Screw–HH
8	62–0970	1	Pin–Idler
9	3296–59	2	Nut–Lock Ni
10	93–8045	1	Traction Idler Arm ASM
11	93–8046	1	Impeller Idler Arm ASM
12	3256–38	1	Washer–Flat
13	63–2870	2	Spring–Extension
14	63–2880	1	Spring–Torsion
18	3296–39	2	Nut–Lock Ni
19	3290–461	2	Washer–Spring
20	62–0470–03	1	Latch ASM
21	66–7720	1	Rod–Latch
22	63–3340	4	Washer–Support
23	32144–4	2	Screw–HH
24	3256–1	2	Washer–Flat
25	66–7740	2	Pivot Arm ASM
26	62–1330	2	Bolt–Shoulder
27	3296–23	2	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description
28	252–80	4	Bearing–Thrust
29	62–1010	1	Guard–Chain, LH
30	32121–9	2	Pin–Spring
31	63–2111	1	Axle ASM
32	62–1000	1	Guard–Chain, RH
33	94–4496	3	Screw–Pan Hd
34	5–2490	2	Screw–Shoulder
35	63–2740	1	Spring–Latch, Torsion
36	67–9220	2	Wheel And Tire ASM
36:1	231–120	1	Tire
36:2	232–46	1	Tube
36:3	241–128	1	Wheel
37	3290–243	2	Pin–Lynch
38	3290–476	1	Fastener–Panel
39	3296–47	2	Nut–Lock Ni
40	94–2575	1	Decal – Adjustment (Only On: 38546)
40	66–6860	1	Decal–Warning (Only On: 38542)
41	3234–7	2	Screw–HHF
42	66–8060	1	Pad–brake



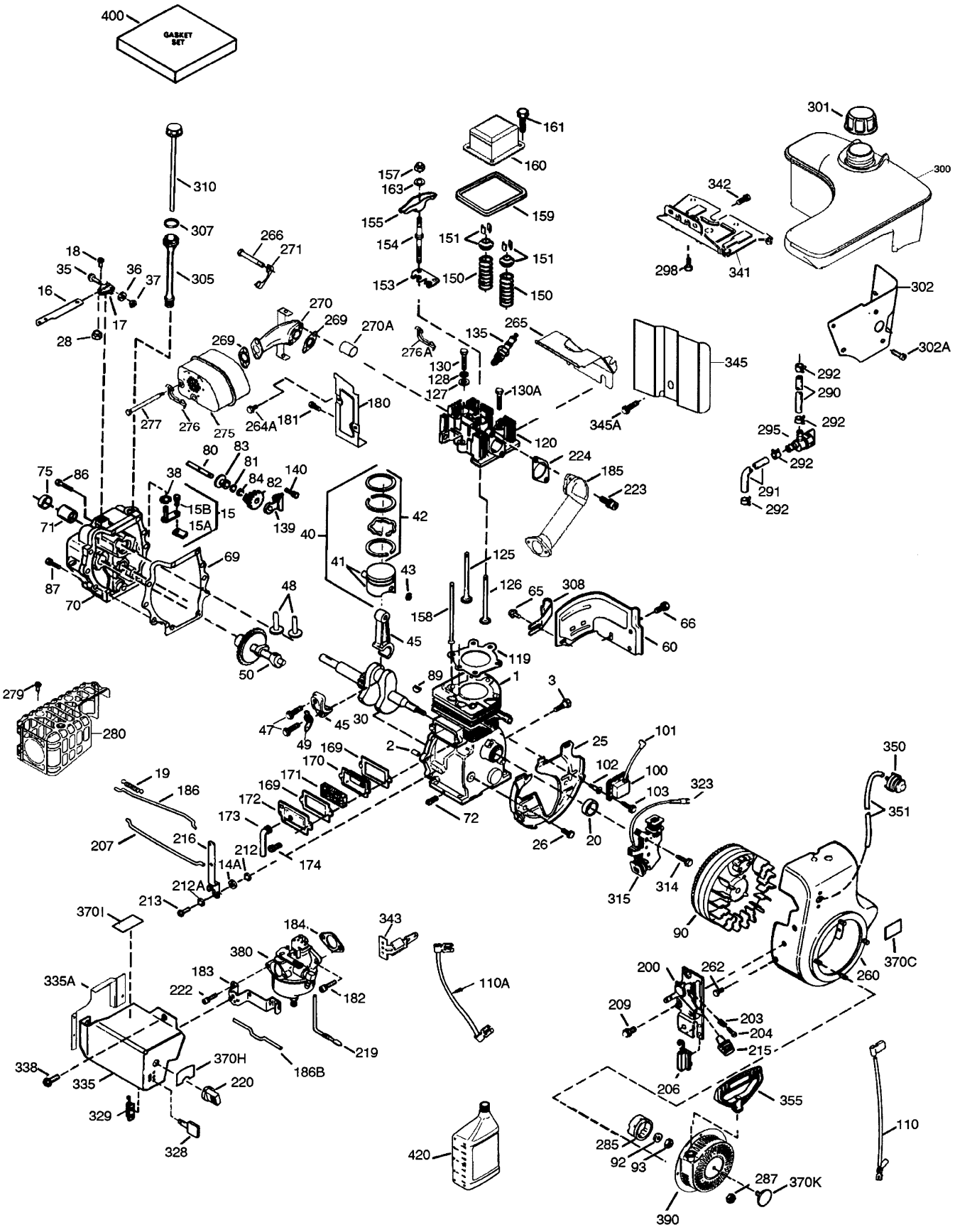
Carburetor Tecumseh # 640169

Ref. No.	Part No.	Description	No. Used
1	633777	Shaft/Lever – Throttle Asm.	1
1A	36288	Throttle Link Bushing	1
2	631970	Spring – Throttle Return	1
6	640109	Shutter – Throttle	1
7	650506	Screw – Shutter	2
10	632778	Shaft/Lever – Choke Asm.	1
14	631753	Shutter – Choke	1
15	630735	Spring – Choke Positioning	1
16	632527	Fitting – Fuel Inlet	1
17	651025	Screw – Idle Regulating	1
18	630766	Spring – Tension	1
20	640027	Screw – Idle Adjustment	1
20A	640053	Cap – Screw Idler Adj.	1
25	632594A	Float Bowl Assembly (Incl. Ref. #32 & 33)	1

Ref. No.	Part No.	Description	No. Used
27	631024	Shaft – Float	1
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	640013	Main Nozzle Tube	1
37	632547	O–Ring–Main Nozzle Tube	2
40	640170	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

Engine Tecumseh Model # OHSK80–221201A



Engine Tecumseh Model # OHSK80–221201A

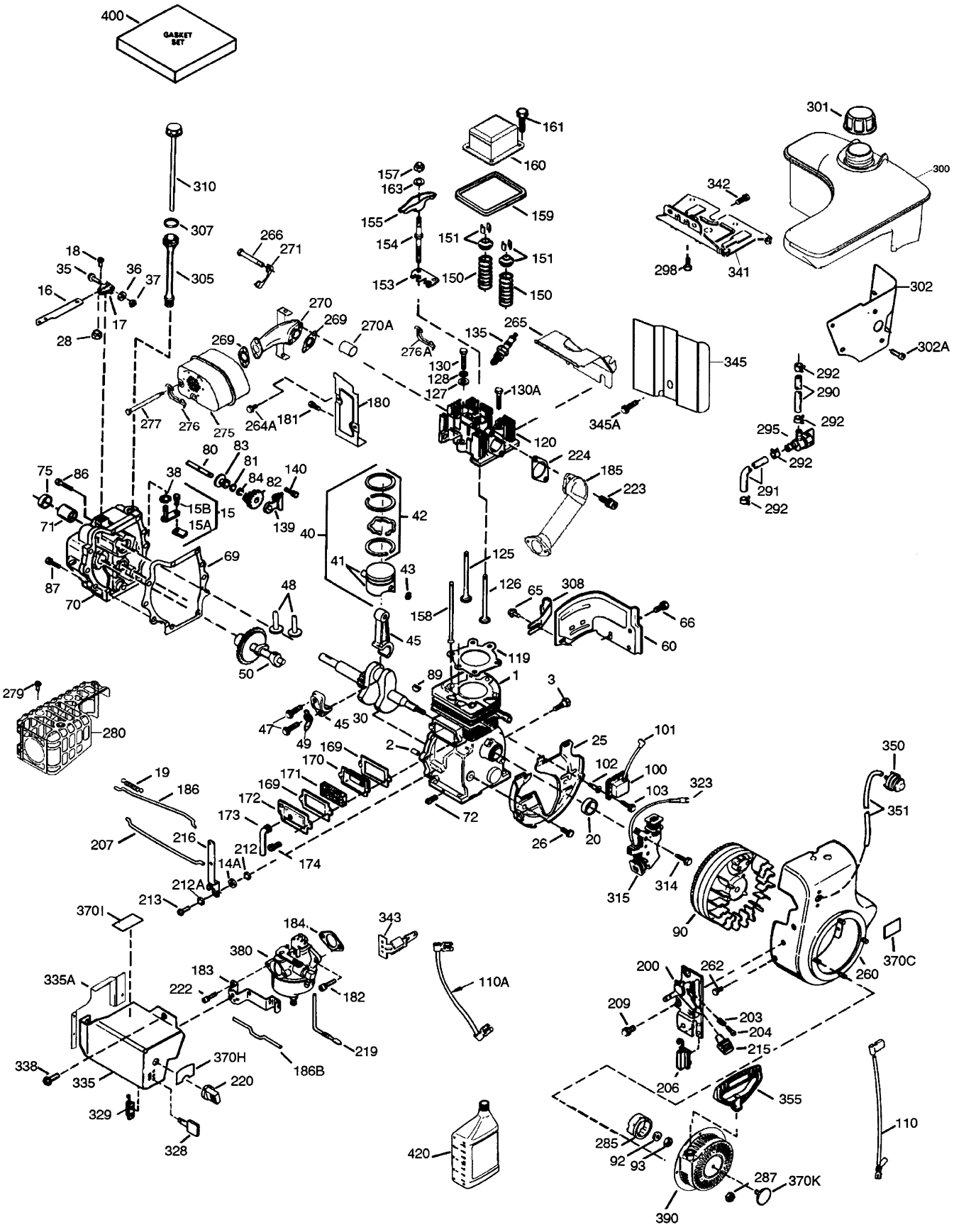
Ref. No.	Part No.	Description	No. Used
1	37251	Cylinder Asm (Incl. Ref. #2, 20, & 72)	1
2	27652	Dowel Pin	2
3	650820	Screw	2
14A	28558	Washer	1
15	30699C	Governor (Incl. Ref. #15A & 15B)	1
15A	30700	Governor Yoke	1
15B	650494	Screw	1
16	37255	Governor Lever	1
17	29916	Governor Lever Clamp	1
18	651028	Screw	1
19	36281	Spring – Extension	1
20	35319	Oil Seal	1
25	36460	Blower Housing Baffle	1
26	650561	Screw	2
28	30322	Lock Nut	1
30	37272	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	35313	Valve Lifter	2
49	36896	Oil Dipper	1
50	35682A	Camshaft (MCR)	1
60	35316A	Blower Housing Extension	1
65	30200	Screw	1
66	30063	Screw	1
*69	35262A	Cylinder Cover Gasket	1
70	37273	Cylinder Cover (Incl. Ref. #71, 75, & 80)	1
71	35377	Crankshaft Bushing	1
72	27642	Oil Drain Plug	1
75	35319	Oil Seal	1
80	31845	Governor shaft	1
81	30590A	Washer	1
82	35378	Governor Gear Asm	
83	30588A	Governor Spool	1
84	29193	Retaining Ring	1

Ref. No.	Part No.	Description	No. Used
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	35187	Ground Wire	1
110A	37047	Ground Wire	1
*119	37256	Cylinder Head Gasket	1
120	37258	Cylinder Head	1
125	36934	Exhaust Valve (Std.)	1
125	36936	Exhaust valve (1/32” OS)	1
126	36935	Intake Valve (Std.)	1
126	36937	Intake Valve (1/32” OS)	1
127	650691	Washer	6
128	650690	Belleville Washer	6
130	6021A	Screw	6
131A	650990	Screw	2
135	34645	Resistor Spark Plug (RN4C)	1
139	33369	Governor Gear Bracket	1
140	650836	Screw	2
150	33507	Valve Spring	2
151	33508	Valve Spring Keeper	2
153	35949	Push Rod Guide	1
154	650945	Rocker Arm Stud	2
155	35950	Rocker Arm	2
157	650947	Jam Nut	2
158	35466	Push Rod	2
159*	35952	Rocker Arm Cover Gasket	1
160	35953A	Rocker Arm Cover	1
161	30063	Screw	4
163	650890	Lock Washer	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
180	35954	Blower Housing Extension	1
181	30200	Lock Nut	2
182	650517	Screw	2
183	34587A	Choke Bracket	1
*184	33263	Carburetor To Intake Pipe Gasket	1
185	37085	Intake Pipe	1
186	37261	Governor Link	1
186B	36652	Spring – Choke	1

*Included in Gasket Set 37257

Obtain Parts From Tecumseh

Engine Tecumseh Model # OHSK80–221201A (Cont.)



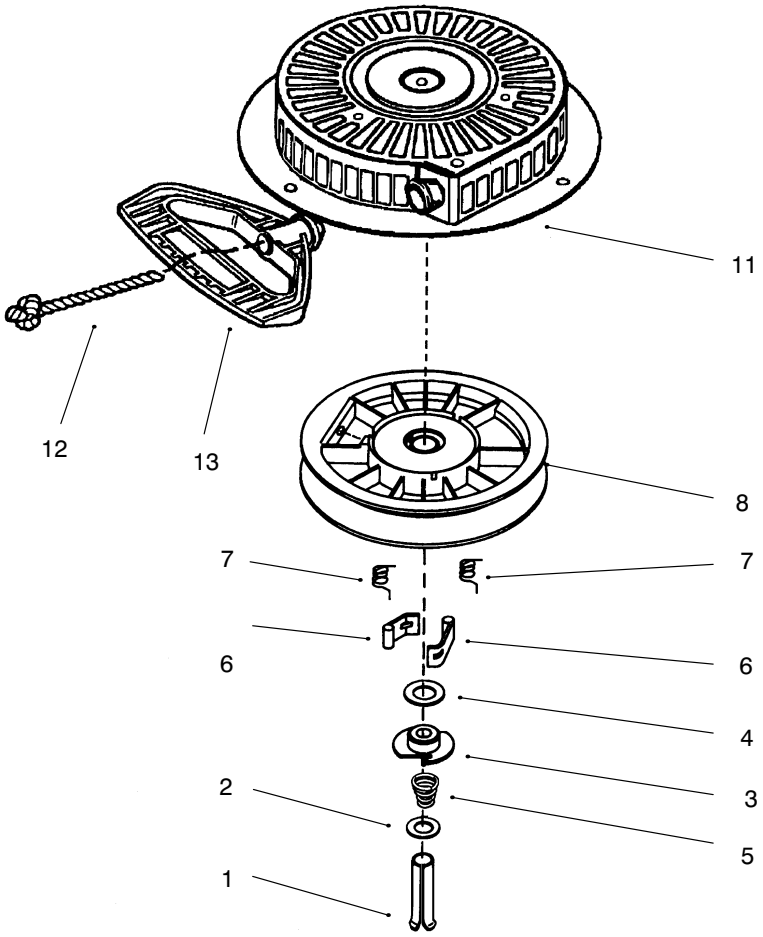
Engine Tecumseh Model # OHSK80–221201A (Cont.)

Ref. No.	Part No.	Description	No. Used
200	35702	Control Bracket (Incl. Ref.#203 204 & 206)	1
203	31342	Compression Spring	1
204	651029	Screw	1
206	610973	Terminal	1
207	37262	Throttle Link	1
209	650821	Screw	2
209A	651056	Screw	1
212	30773A	Bushing	1
212A	36288	Bushing	1
215	35440	Control Knob	1
217	37260	Bellcrank Lever	1
219	35689	Choke rod	1
220	35438	Choke Knob	1
222	28820	Screw	2
223	650971	Screw	2
*224	33515A	Intake Pipe Gasket	1
260	37092A	Blower Housing	1
262	29747B	Screw	2
264A	650738	Screw	1
265	37086	Cylinder Head Cover	1
266	650876	Screw	2
269	35762	Exhaust Gasket	2
270	37263	Exhaust Manifold	1
270A	35829A	Exhaust Port Liner	1
271	35293	Locking Plate	1
275	37264	Muffler	1
276	35348	Locking Plate	1
276A	31588	Locking Plate	1
277	650877	Screw	2
281	33013	Starter bubble Cover	1
282	650760	Screw	1
285	35985B	Starter Cup	1
287	29752	Nut & Lock Washer	4
290	30962	Fuel Line	1
291	29774	Fuel Line	1
292	26460	Fuel Line Clamp	4

Ref. No.	Part No.	Description	No. Used
295	35857	Fuel shut–Off Valve	1
298	650665	Screw	2
300	37099	Fuel Tank (Incl. Ref. #292 & 301)	1
301	36246	Fuel Cap	1
302	37098	Fuel Tank Extension	1
302A	650821	Screw	3
305	35554	Oil Fill Tube	1
307	35499	”O” Ring	1
308	35539	Fill Tube Clip	1
310	35700	Dipstick	1
314	650873	Screw	1
315	611111	Alternator Coil (18 Watt) (Incl. Ref. #323)	1
323	611118	Terminal	1
328	35062	Ignition Keys	2
329	610973	Terminal	1
335	37096	Carburetor Cover, Front	1
335A	37087	Carburetor Cover	1
338	650821	Screw	4
341	34154	Fuel Tank Bracket	1
342	650561	Screw	1
345	37097	Heat Baffle	1
345A	650821	Screw	1
350	570682A	Primer Asm.	1
351	32180C	Primer Line	1
355	590574	Starter Handle	1
370C	36501	Primer Decal	1
370H	37226	Choke Decal	1
370I	37119	Warning Decal	1
370K	36695	Starter Decal	1
380	640169	Carburetor (Incl. Ref. #184)	1
390	590749	Rewind Starter	1
396	33329D	Electric Starter Motor, 120 Volt (Optional)	1
400	37257	Gasket Set	1
420	730226	SAE 5W30 4–Cyc. Eng. Oil	1

*Included in Gasket Set 37257

Obtain Parts From Tecumseh



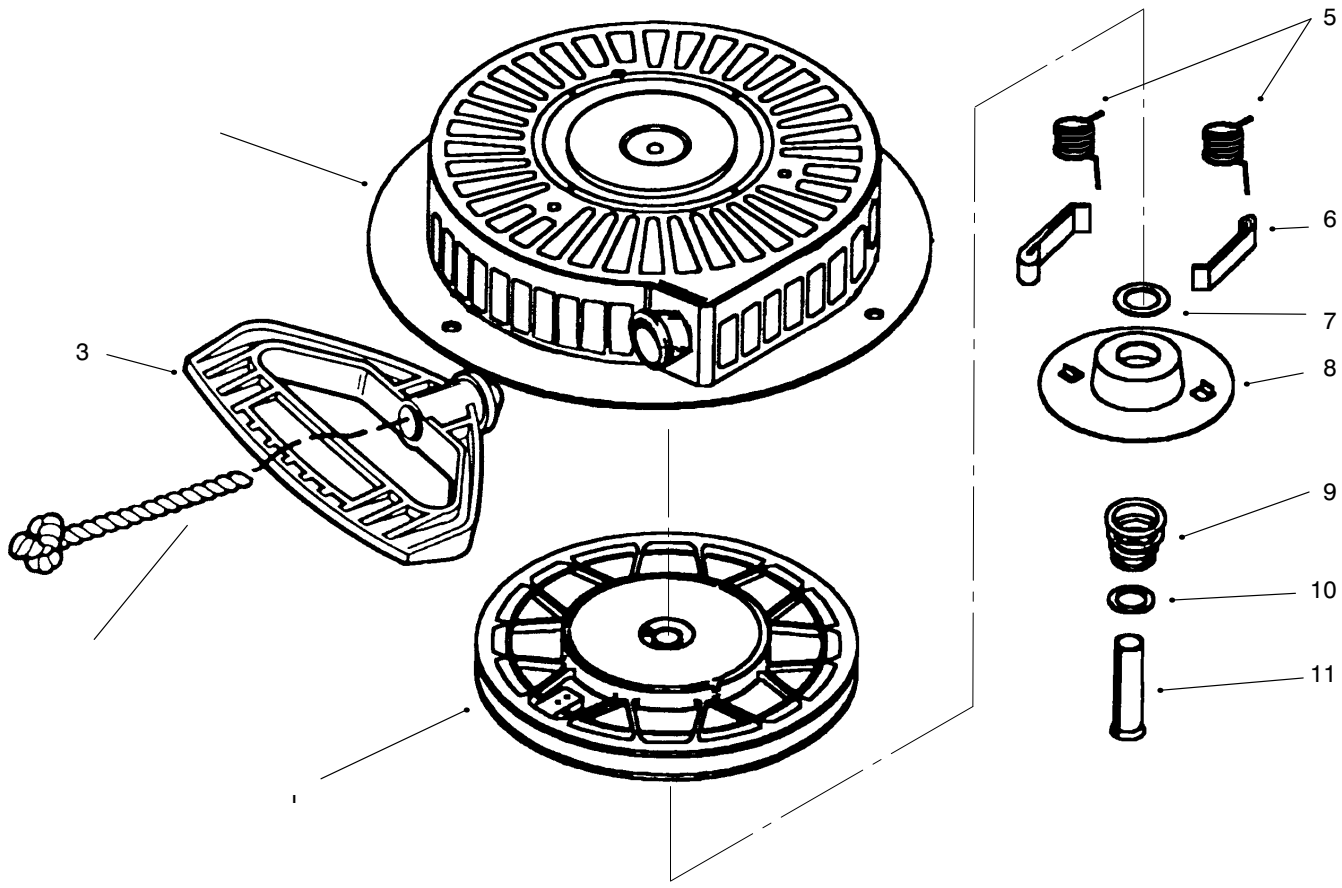
Recoil Starter # 590749

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

Ref. No.	Part No.	Description	No. Used
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



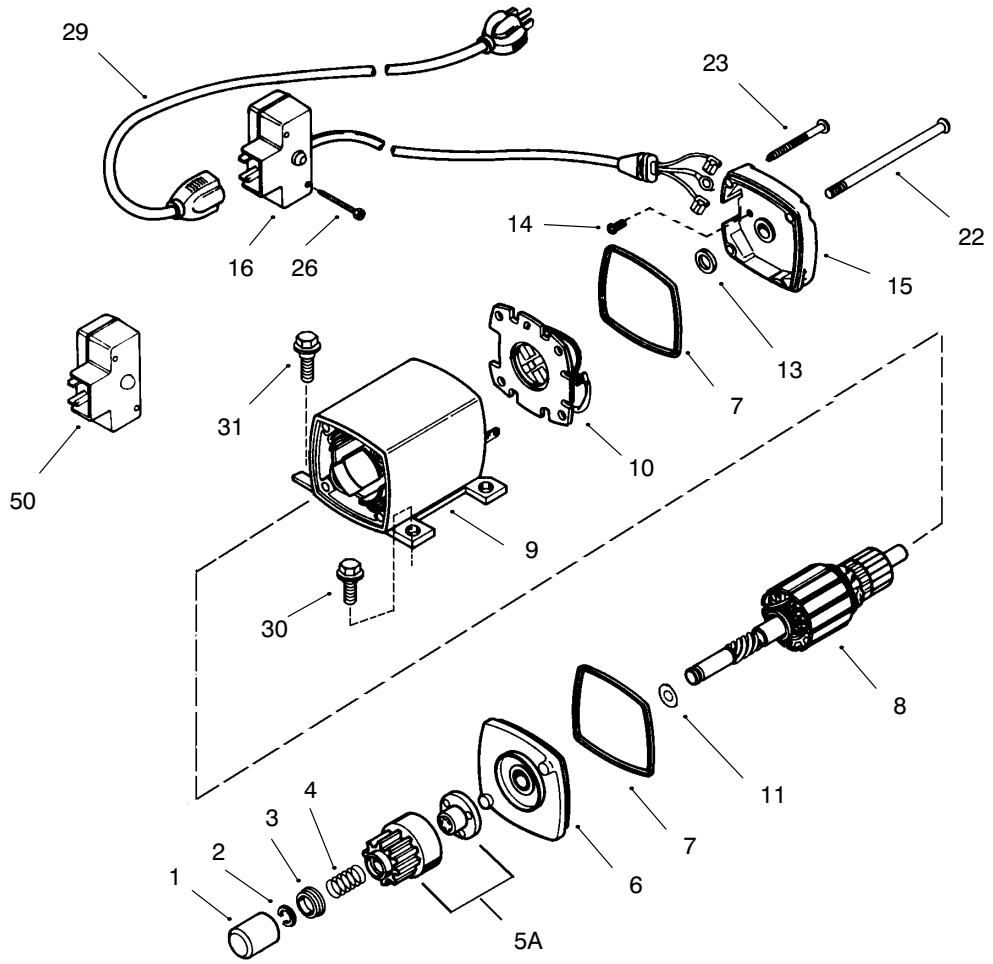
Recoil Starter Tecumseh # 590733 (Optional)

Ref. No.	Part No.	Description	No. Used
1	590709	Pulley & Rewind Spring Asm.	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



120 VOLT 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 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.	Qty.	Pg. No.	Ref. No.	Description
3–0750	1	2	2	Washer
3–4244	9	6	2	Pulley–Idler
5–2490	9	34	2	Screw–Shoulder
7–0045	3	18:2	1	Oil Seal
11–0590	4	25	4	Screw–Thread Forming
12–3270	5	43	3	Screw
20–0980	2	58	2	Bearing
20–0990	2	57	2	Flange–Bearing, Front
20–1000	2	59	2	Flange–Bearing, Rear
25–5090	2	56	2	Spacer–Hub, Auger
26–6110	1	39	1	Flange–Cup, Bearing
26–6120	1	41	1	Flange–Cup, Bearing
29–9570	6	60	1	Bushing–Yoke
37–6560	3	9	1	Bushing–Input
38–7820	5	24	2	Bearing–Ball
52–2861	2	44	4	Washer
53–7670	1	5	1	Decal–Warning, Auger (Only On: 38542)
62–0120	3	14	1	Gear–Helical
62–0170	7	41	1	Wheel–Index
62–0180	7	5	1	Tang–Index
62–0200	5	30	1	Gear, 27 T
62–0210	5	49	1	Gear, 33 T
62–0220	5	31	1	Gear, 34 T
62–0240	5	32	1	Gear, 45 T
62–0250	5	29	1	Gear, 29 T
62–0260	5	50	1	Gear, 51 T
62–0280	8	6	1	Latch–Locking
62–0290	8	4	1	Cam–Release
62–0300	8	3	1	Tang–Locking
62–0310	5	36	2	Key
62–0320	5	33	1	Sleeve–Gear
62–0330	6	55	1	Shaft–Intermediate
62–0340	5	27	1	Gear–Sleeve, 19 T
62–0350	5	44	1	Pinion–Bevel
62–0360	5	51	1	Gear, 19/41 T
62–0370	5	25	1	Gear, 41 T
62–0380	5	38	1	Hub–Pulley
62–0430	5	35	1	Collar–Shift
62–0470–03	9	20	1	Latch ASM
62–0480	6	58	1	Gearcase–Lower, Casing
62–0490	6	57	1	Gearcase–Upper, Casing
62–0500	5	47	1	Gear–Bevel, 15 T
62–0720–01	1	6	1	Housing ASM
62–0820	1	22	1	Gear–Worm
62–0840–03	1	19	1	Chute ASM
62–0860	5	4	1	Link–Shift, Gear
62–0870	5	17	1	Lever–Shift, Gear
62–0880	5	11	1	Lever
62–0920	4	8	1	Sheave–Half, Traction
62–0930	4	6	1	Pulley–Engine, Center
62–0940	4	4	1	Sheave–Half, Impeller
62–0970	9	8	1	Pin–Idler
62–1000	9	32	1	Guard–Chain, RH
62–1010	9	29	1	Guard–Chain, LH
62–1020	5	14	1	Button–Detent
62–1040	6	59	2	Yoke–Shift
62–1050–03	8	8	1	Lever–Traction, RH
62–1060–03	8	24	1	Lever–Traction, LH
62–1070	8	11	2	Bushing–Lever
62–1080	5	23	1	Shaft–Output
62–1100	7	7	1	Lever Latch
62–1110	7	3	1	Lever–Wheel, Index
62–1120	7	22	1	Lever–Reverse, Switch
62–1130	7	20	1	Lever–Reverse
62–1140	7	12	1	Cover–Latch
62–1150	3	15	1	Bushing–Worm
62–1160	5	42	4	Bushing
62–1170	6	54	2	Bushing–Intermediate
62–1180	5	37	1	Bushing–Flange, Output
62–1190	5	2	1	Bracket–Bellcrank
62–1230	8	37	1	Washer–Rubber
62–1290	7	1	1	Knob–Shift
62–1300	1	24	1	Pulley–Impeller
62–1310	5	22	1	Traction–Sheave, Half
62–1320	8	17	1	Knob–Control, Chute
62–1330	9	26	2	Bolt–Shoulder
62–1350	6	56	2	Bushing–Output
62–1381–03	8	9	1	RH Handle ASM, 24"–32"
62–1430	1	11	3	Retainer–Chute
62–1440–01	1	32	1	Cover–Frame, Engine
62–1460	8	35	2	Gear–Universal
62–1470	7	42	1	Base–Lockout
62–1490	8	15	1	Plate–Guide
62–1520	8	19	1	Cover–Knob
62–1530	3	16	1	Shaft–Auger, 24"
62–1640	8	12	1	Lever–Trip
62–1650	7	6	1	Spring–Torsion
62–1690	5	6	1	Cover–Detent
62–1700	7	19	1	Lever–Lockout
62–1710	7	16	1	Spring–Flat
62–1720	1	23	1	Rod–Chute, Lower
62–1740	5	16	1	Bracket–Cable, F/R
63–2030	8	27	1	Cross Rod ASM
63–2080	1	28	1	Cover–Belt, Upper
63–2111	9	31	1	Axle ASM
63–2150–03	7	23	1	Control Frame ASM
63–2160	8	16	1	Crank–Rod, Chute
63–2170–03	8	1	1	Cover–Lock, Lever
63–2180	1	7	1	Bracket–Worm, Chute
63–2190	5	5	1	Pin–Link, Gear Shift
63–2200	7	39	1	Cable–Arm, Latch
63–2210	7	38	1	Cable–Gearbox
63–2220	7	8	1	Extension Spring
63–2230	7	21	1	Spring–Extension
63–2240	7	17	1	Spring–Extension
63–2270	7	40	1	Torsion Spring
63–2280	5	28	1	Washer–Thrust
63–2300	1	26	1	Retainer–Cable
63–2480	7	10	1	Decal–No. 2
63–2510	8	38	1	Decal–Front Panel (824)
63–2600	5	15	1	Bellcrank
63–2610	7	9	1	Pin–Tang
63–2630	7	33	1	Bracket–Shift
63–2650	7	18	2	Screw–Shoulder
63–2670	1	10	3	Plate–Retainer, Chute
63–2700	8	42	1	Cable–Impeller
63–2710	8	41	1	Cable–Traction
63–2740	9	35	1	Spring–Latch, Torsion
63–2810	9	2	1	Arm–Brake
63–2830	7	34	1	Rod–Bent Shift, Lower
63–2850	9	3	1	Idler Arm Bracket ASM
63–2870	9	13	2	Spring–Extension
63–2880	9	14	1	Spring–Torsion
63–2890	5	7	1	Spring–Detent
63–2900	1	17	2	Washer–Plastic
63–2910	8	7	1	Spring–Torsion
63–2920	5	9	1	Spring–Extension
63–2940	4	20	1	Chain
63–2951	4	7	1	Belt–Traction
63–2961	4	5	1	Belt–Impeller
63–2990–03	4	22	1	Transmission Frame ASM
63–3020	1	14	1	Guard–Chute
63–3050	8	25	1	Decal–Lever (Only On: 38542)
63–3130	1	12	1	Clip–Guard, Chute
63–3290	1	29	1	Cover–Cable
63–3340	9	22	4	Washer–Support
63–3380	8	22	1	Spacer–Lever, Traction
63–3410	5	19	1	Screw–Shoulder
63–3450	1	40	1	Bearing–Ball
66–6860	8	40	1	Decal–Warning (Only On: 38542)

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Pg. No.	Qty.	Ref. No.	Description
66–6860	9	40	1	Decal–Warning
			(Only On: 38542)	
66–6980–01	1	31	1	Engine Frame ASM
66–7720	9	21	1	Rod–Latch
66–7730	7	30	1	Clevis ASM
66–7740	9	25	2	Pivot Arm ASM
66–7762–01	2	47	1	Scraper Blade ASM
66–7810	3	17	1	Shaft–Impeller
66–7821–01	1	3	1	Plate–Side, RH
66–7831–01	2	48	1	Plate–Side, LH
66–7850	8	10	2	Grip–Handle
66–7910–03	2	51	1	Blade Impeller ASM
66–8010	2	52	2	Spacer–Hub, Impeller
66–8030	4	21	1	Traction Gearcase ASM
66–8060	9	42	1	Pad–brake
66–8091–03	8	29	1	LH Handle ASM, 24"–32"
67–5860	5	39	1	Gear–Bevel, Rev, 36t
67–5870	5	45	1	Bevel Gear 36 T
67–5880	5	40	1	Collar–Shift
67–9220	9	36	2	Wheel And Tire ASM
67–9240	7	2	1	Rod–Shift
67–9250	7	28	1	Retainer–Rod, Shift
68–4100	1	35	1	Plate ASM–Frame, RH
68–4110	1	34	1	Plate ASM–Frame, LH
68–4310	5	48	1	Gear, 26 T
68–4320	5	34	1	Sleeve–Shift
68–7450–03	2	55	1	Auger ASM, RH
68–7460–03	2	55	1	Auger ASM, LH
68–7510–03	4	11	1	Belt Guide ASM
68–8410	1	42	1	Cover–Belt, Lower
74–1440–01	2	45	2	Skid ASM, Welded
74–1540	3	18	1	Auger Gearcase ASM, LH
74–1550	3	19	1	Auger Gearcase ASM, RH
74–1560	2	54	1	Auger Gearcase ASM
78–2920	4	18	1	Ball–Joint
78–2920	7	36	1	Ball–Joint
88–0810	8	43	1	Spring–Extension
93–8045	9	10	1	Traction Idler Arm ASM
93–8046	9	11	1	Impeller Idler Arm ASM
94–2559	1	21	1	Decal – Danger
				(Only On: 38546)
94–2568	1	5	1	Decal – Warning
				(Only On: 38546)
94–2575	8	40	1	Decal – Adjustment
				(Only On: 38546)
94–2575	9	40	1	Decal – Adjustment
				(Only On: 38546)
94–2782	4	27	1	Cap–Wire, Lite
94–4496	9	33	3	Screw–Pan Hd.
94–6961	7	11	2	Screw
94–6961	8	33	2	Screw
94–8079	1	21	1	Decal–Danger
				(Only On: 38542)
95–7947	4	24	2	Cap–Plug
99–3229	8	14	1	Decal–Control
				(Only On: 38546)
99–3230	8	14	1	Decal–Top, Panel
				(Only On: 38542)
99–5968	8	13	1	Control Plate ASM
				(Only On: 38542)
99–5969	8	13	1	Control Plate ASM
				(Only On: 38546)
2210–250	8	2	3	Screw–HH
231–120	9	36:1	1	Tire
232–46	9	36:2	1	Tube
241–128	9	36:3	1	Wheel
252–59	5	26	3	Bearing–Thrust
252–71	3	1	2	Bearing–Thrust
252–76	3	2	1	Bearing Thrust
252–78	3	3	2	Bearing–Thrust
252–80	1	38	1	Bearing–Thrust
252–80	9	28	4	Bearing–Thrust
253–149	3	4	1	Seal–Oil
256–237	3	18:1	1	Bushing
256–296	7	31	2	Bushing
257–9	7	14	1	Washer–Thrust
257–10	5	41	4	Washer–Thrust
281–1	3	5	1	Plug–Sqh Pipe
283–3	5	18	1	Pin–Clevis
288–2	4	14	1	Cap–Pipe
289–34	4	13	1	Nipple–Pipe
321–3	2	61	8	Screw–HH
321–9	7	29	1	Screw–HH
321–15	5	52	1	Screw–HH
321–44	2	53	2	Screw–HHF
322–12	2	60	2	Screw–HH
323–4	1	1	2	Screw–HH
323–7	9	7	2	Screw–HH
3210–1	4	9	2	Screw–HH
3212–8	4	1	1	Screw–HH
3220–3	4	17	1	Nut–Jam
3220–3	7	35	1	Nut–Jam
3230–2	1	8	1	Screw–CARR
3230–23	2	49	9	Screw–CARR
3234–5	2	46	4	Screw–HHF
3234–7	4	16	4	Screw–HHF
3234–7	9	41	2	Screw–HHF
3234–13	9	5	1	Screw–HHF
3234–28	1	4	12	Screw–HHF
3242–4	1	25	2	Screw–Sqh
3253–4	4	10	2	Washer–Lock/Sp
3253–6	4	2	1	Washer–Lock/Sp
3256–1	7	27	2	Washer–Flat
3256–1	9	24	2	Washer–Flat
3256–14	1	16	1	Washer–Flat
3256–14	8	31	2	Washer–Flat
3256–23	1	43	1	Washer–Flat
3256–23	7	24	3	Washer–Flat
3256–38	9	12	1	Washer–Flat
3256–41	4	3	1	Washer–Flat
3256–61	1	20	1	Washer–Flat
3257–10	3	8	1	Key–Woodruff
3257–23	1	36	1	Key–Woodruff
3269–23	1	30	4	Rivet–Pop
3272–1	5	1	1	Pin–Cotter
3274–13	1	13	3	Screw–HSH
3290–243	9	37	2	Pin–Lynch
3290–320	7	15	1	Retainer–Push On
3290–320	8	18	2	Retainer–Push On
3290–326	1	15	2	Nut–Push
3290–359	8	28	1	Screw–HWH
3290–378	8	32	2	Tie–Cable
3290–422	7	4	1	Nut–Push
3290–456	7	37	1	Washer–Belleville
3290–461	4	23	4	Washer–Spring
3290–461	9	19	2	Washer–Spring
3290–476	9	38	1	Fastener–Panel
3290–477	5	20	1	Washer–Curved
3296–2	1	9	4	Nut–Lock Ni
3296–2	8	23	1	Nut–Lock Ni
3296–6	4	19	1	Nut–Lock Ni
3296–6	7	32	1	Nut–Lock Ni
3296–23	9	27	2	Nut–Lock Ni
3296–29	1	37	14	Nut–Lock Ni
3296–29	7	25	7	Nut–Lock Ni
3296–39	9	18	2	Nut–Lock Ni
3296–42	2	50	10	Nut–Lock Ni
3296–42	5	21	1	Nut–Lock Ni
3296–42	7	26	1	Nut–Lock Ni
3296–42	9	4	1	Nut–Lock Ni
3296–47	2	62	20	Nut–Lock Ni
3296–47	8	39	4	Nut–Lock Ni
3296–47	9	39	2	Nut–Lock Ni
3296–59	9	9	2	Nut–Lock Ni

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Pg. No.	Qty.	Ref. No.	Description
32104−71	5	13	1	Screw−HWH
32104−76	8	30	2	Screw−Acorn Slot
32104−95	5	3	2	Screw−HWH
32120−46	7	13	1	Ring−Retaining
32120−46	9	1	2	Ring−Retaining
32121−9	9	30	2	Pin−Spring
32121−50	8	36	2	Pin−Spring
32121−106	5	12	1	Pin−Spring
32121−120	6	64	2	Pin−Spring
32122−32	1	18	1	Screw
32128−20	4	15	4	Nut−Hex Flange
32128−32	6	53	1	Nut−Hex, Flange
32144−4	1	27	5	Screw−HH
32144−4	5	8	2	Screw−HH
32144−4	9	23	2	Screw−HH
32144−14	1	33	6	Screw−HWH
32144−14	8	26	6	Screw−HWH
32144−86	5	10	6	Screw−HH
32144−110	3	6	9	Screw−HWH
32151−33	3	7	1	Ring−Retaining, Ext.
32151−66	8	5	1	E−Ring−Retainer

*Not Illustrated

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.

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.