Form No. 3324–655

924 Power Shift

Snowthrower

Model No. 38547—210000001 and Up

Model No. 38079—210000001 and Up

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b.** The **a** represents the reference number of the entire service assembly and the **b** represents 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 illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y.** The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number 37 are indicated.

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Contents

Description	Page
Housing and Engine Frame Assembly	3
Auger Gearcase Assembly No. 74–1560	5
Engine and Transmission Assembly	6
Traction Gearcase Assembly No. 66–8030	7
Power Shift Control Assembly	9
Handle and Control Assembly	10
Headlamp Assembly No. 54–9871 (Only on: 38079)	12
Lower Traction Assembly	13
Carburetor No. 640169	15
Engine Assembly OHSK 90–221413B (Only on: 38547)	16
Engine Assembly OHSK 90–221412B (Only on: 38079)	20
Electric Starter (110 Volt) No. 33329E	24
Recoil Starter No. 590733 (Optional)	25
Recoil Starter No. 590749	26

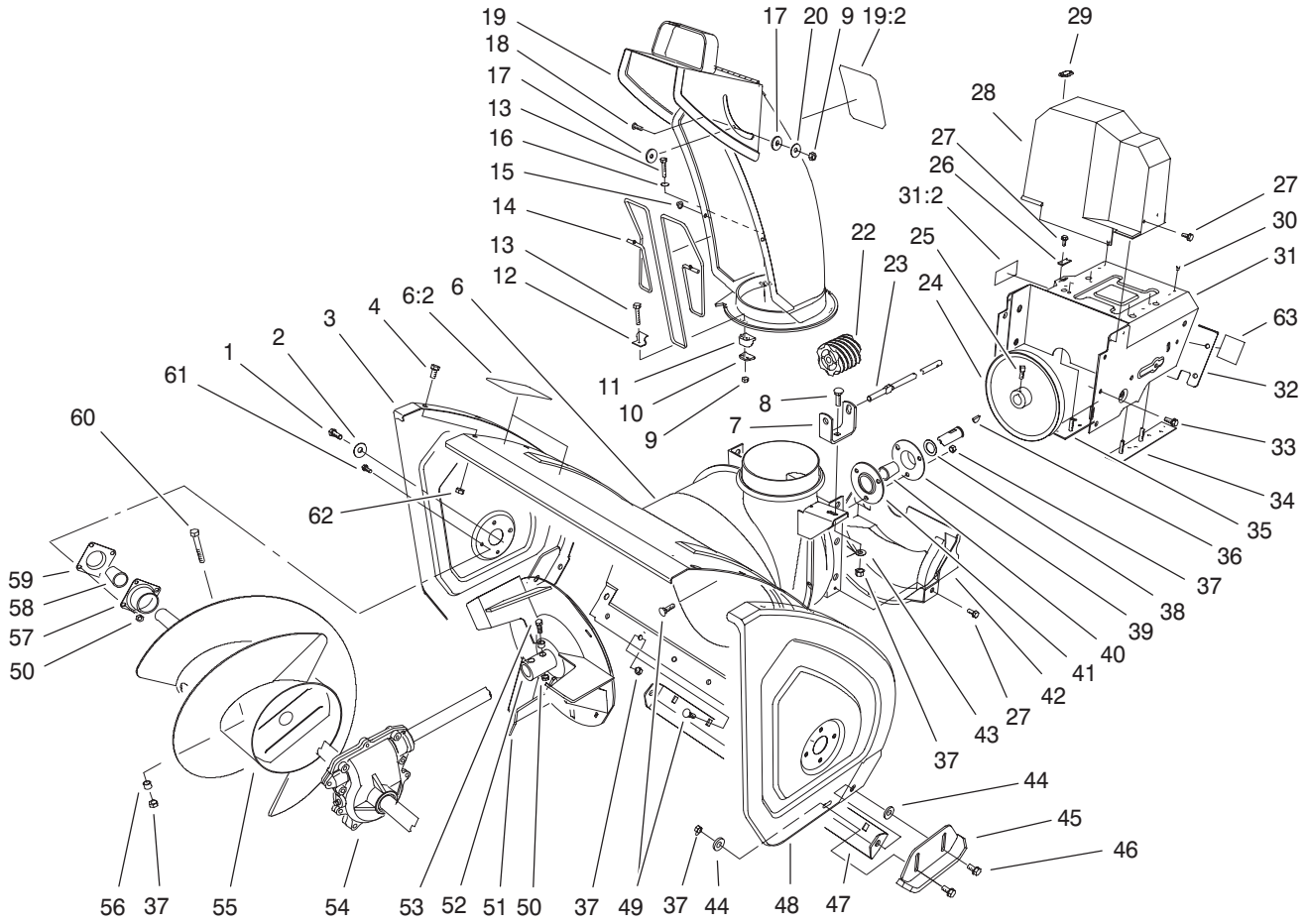
Accessories

Description	Model / Part No.
Snow Cab	68–9500
Weight Kit (Required with Snow Cab 68–9500)	68–9500
Drift Breaker	66–7960
Tire Chain Kit	56–2700
Light Kit (Only on: 38547)	56–2700
230 Vac Electric Starter Kit (Only on: 38079) CE approved	38041
Differential Kit (Only on: 38079)	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
HH	hex head
HHF	hex head flange
HLH	hex lag head
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
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

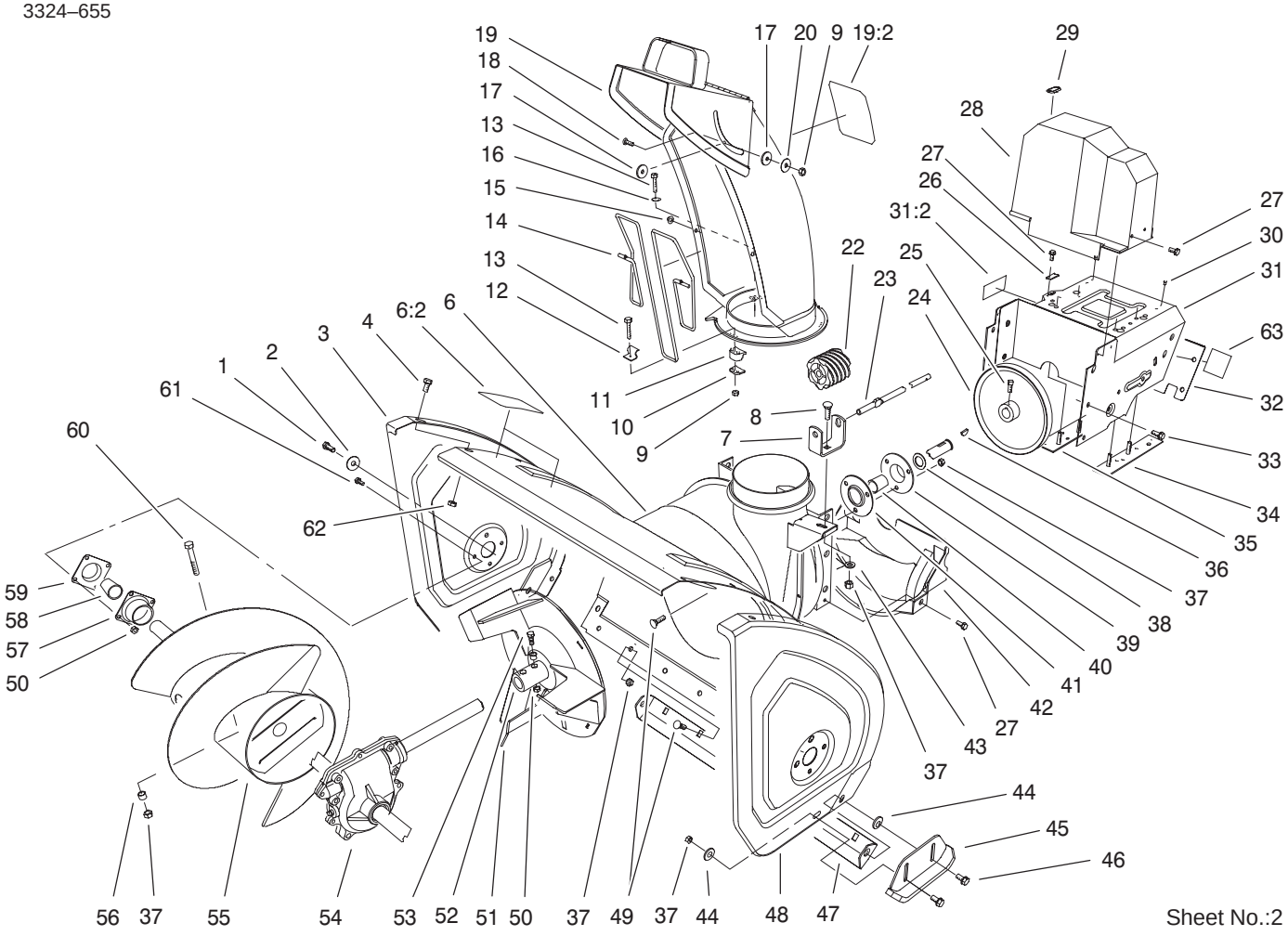


Sheet No.:2

Housing and Engine Frame 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
6	95–2664	1	Auger Housing ASM (only on: 38079)
6	95–2663	1	Auger Housing ASM (only on: 38547)
6:2	94–2568	1	Decal–Warning, Auger (only on: 38079)
6:2	53–7670	1	Decal–Warning, Auger (only on: 38547)
7	63–2180	1	Bracket–Worm, Chute
8	3230–2	1	Screw–CARR
9	3296–2	4	Nut–Lock
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	95–2661	1	Chute (only on: 38547)

Ref. No.	Part No.	Qty.	Description
19	95–2662	1	Chute (only on: 38079)
19:2	94–8079	1	Decal–Danger (only on: 38547)
19:2	94–2558	1	Decal – Danger (only on: 38079)
20	3256–61	1	Washer–Flat
22	62–0820	1	Gear–Worm
23	62–1720	1	Rod–Chute, Lower
24	62–1300	1	Pulley–Impeller
25	3242–4	2	Screw–Set, 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	100–5450	1	Engine Frame ASM (only on: 38547)
31	100–5451	1	Engine Frame ASM (only on: 38079)
31:2	94–2575	1	Decal–Adjustment (only on: 38079)
31:2	66–6860	1	Decal–Warning (only on: 38547)
32	62–1440–01	1	Cover–Frame, Engine
33	32144–14	6	Screw–HWH

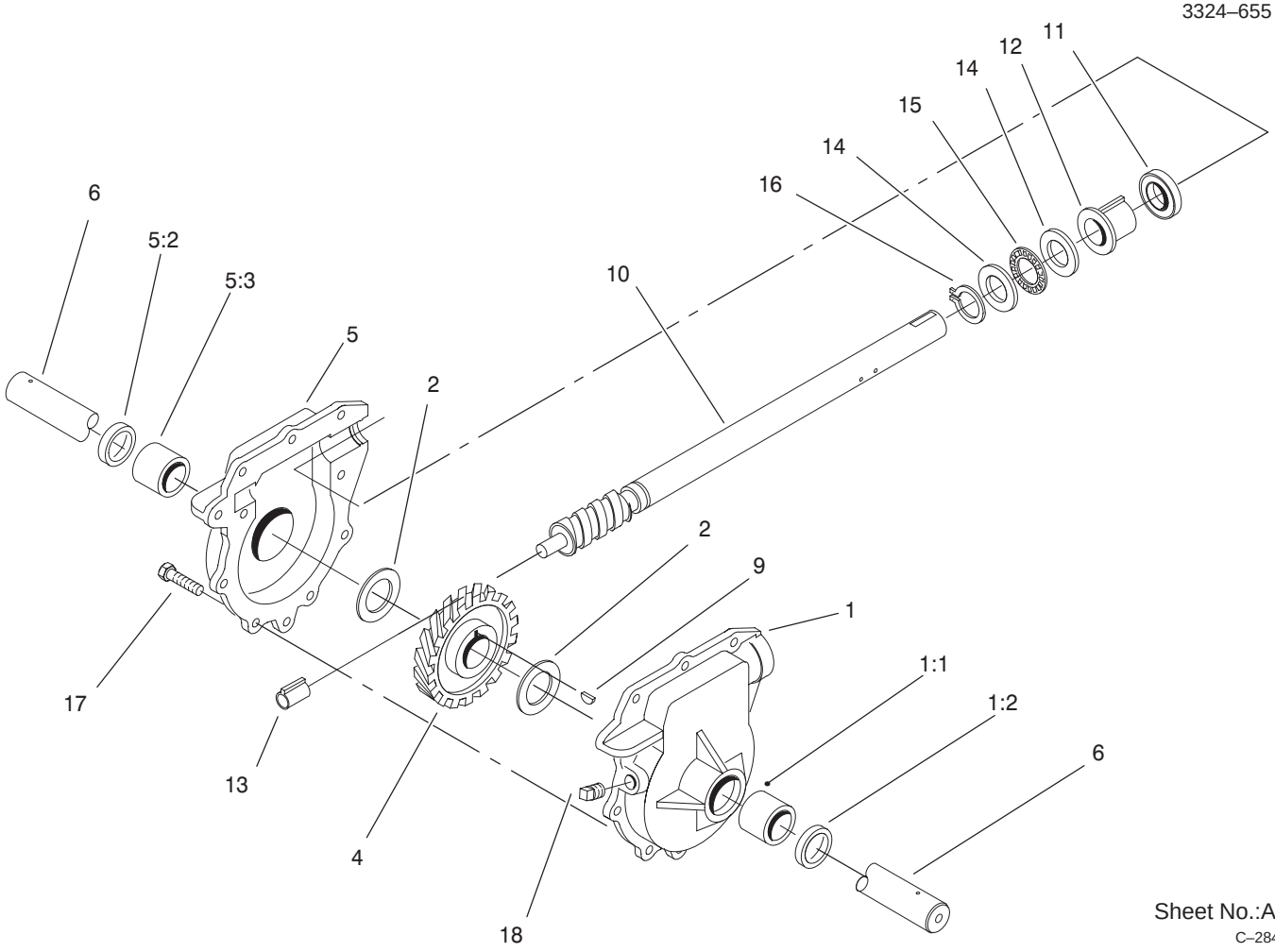


Housing and Engine Frame Assembly

Ref. No.	Part No.	Qty.	Description
34	68–4110	1	LH Frame Plate ASM
35	68–4100	1	RH Frame Plate ASM
36	3257–23	1	Key–Woodruff
37	3296–29	14	Nut–Lock, NI
38	252–80	1	Washer–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
44	52–2861	4	Washer
45	74–1440–01	2	Skid ASM
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
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	68–7450–03	1	RH Auger ASM
*55	68–7460–03	1	LH Auger ASM
56	25–5090	2	Spacer–Hub, Auger
57	20–0990	2	Bearing–Flange, Front
58	20–0980	2	Bearing

Ref. No.	Part No.	Qty.	Description
59	20–1000	2	Bearing–Flange, Rear
60	322–12	2	Screw–HH
61	321–3	8	Screw–HH
62	3296–47	12	Nut–Lock, NI
63	68–9390	1	Decal (only on: 38547)

* Not illustrated

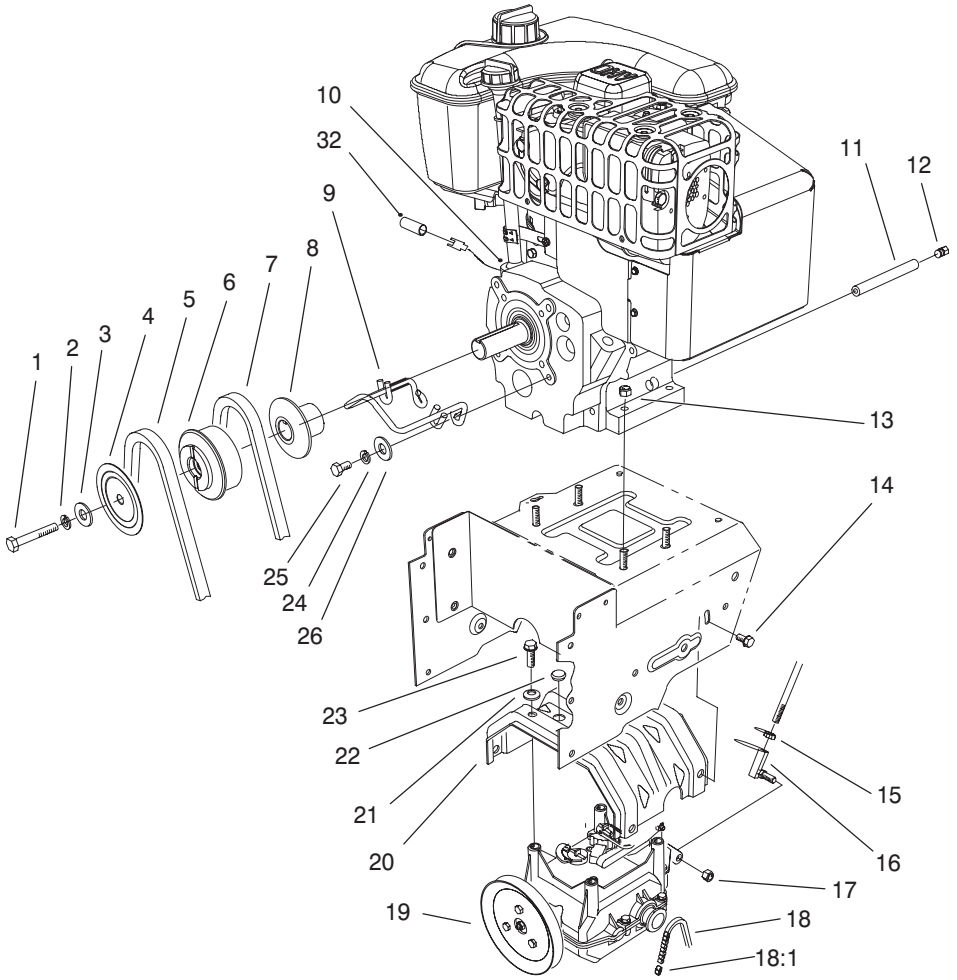


Sheet No.:A1
C–2849

Auger Gearcase Assembly No. 74–1560

Ref. No.	Part No.	Qty.	Description
1	74–1570	1	LH Auger Gearcase ASM
1:1	256–237	1	Bushing
1:2	7–0045	1	Seal–Oil
2	252–71	2	Bearing–Thrust
4	62–0120	1	Gear–Helical
5	74–1580	1	RH Auger Gearcase ASM
5:2	7–0045	1	Seal–Oil
5:3	256–237	1	Bushing
6	62–1530	1	Shaft–Auger, 24”
9	3257–10	1	Key–Woodruff
10	66–7811	1	Shaft–Impeller
11	253–149	1	Seal–Oil
12	37–6560	1	Bushing–Input
13	62–1150	1	Bushing–Worm
14	252–78	2	Bearing–Thrust
15	252–76	1	Bearing–Thrust
16	32151–33	1	Ring–Retaining, Ext.
17	32144–110	9	Screw–HWH
18	281–1	1	Plug–Pipe, SQH

Ref. No.	Part No.	Qty.	Description



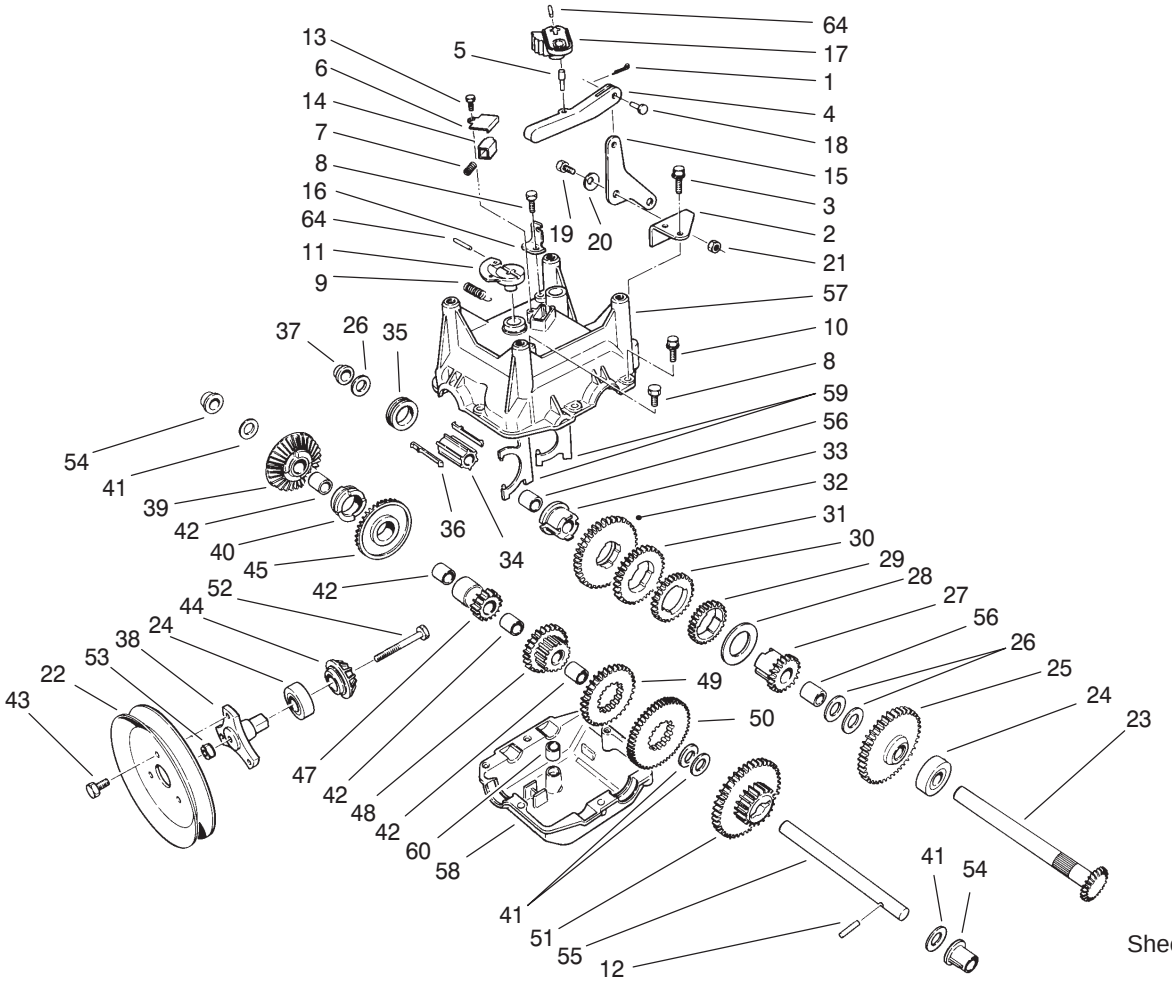
Sheet No.:3

Engine and Transmission 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	V–Belt, Impeller
6	62–0930	1	Pulley–Engine, Center
7	63–2951	1	V–Belt, Traction
8	62–0920	1	Sheave–Half, Traction
9	100–3432	1	Guide–Belt
10		1	Engine–9hp Tecumseh Ohsk90–221413a (only on: 38547)
10		1	Engine–9hp Tecumseh Ohsk90–221412a (only on: 38079)
*10:2	99–9300	1	Cord–Extention (only on: 38547)
11	289–34	1	Nipple–Pipe
12	288–2	1	Cap–Pipe
13	32128–20	4	Nut–HF
14	3234–7	4	Screw–HHF
15	3220–3	1	Nut–Jam
16	78–2920	1	Ball–Joint
17	3296–6	1	Nut–Lock, NI
18	63–2940	1	Chain
18:1	2710–15	1	Link–Offset

Ref. No.	Part No.	Qty.	Description
19	66–8030	1	Traction Gearcase ASM
20	63–2990–03	1	Transmission Frame ASM
21	3290–461	4	Washer–Spring
22	95–7947	2	Cap–Plug
23	11–0590	4	Screw–Forming, Thread
24	3253–4	2	Washer
25	3210–3	2	Screw–HH
26	3256–41	2	Washer–Flat
32	94–2782	1	Cap–Wire, Lite

* Not illustrated

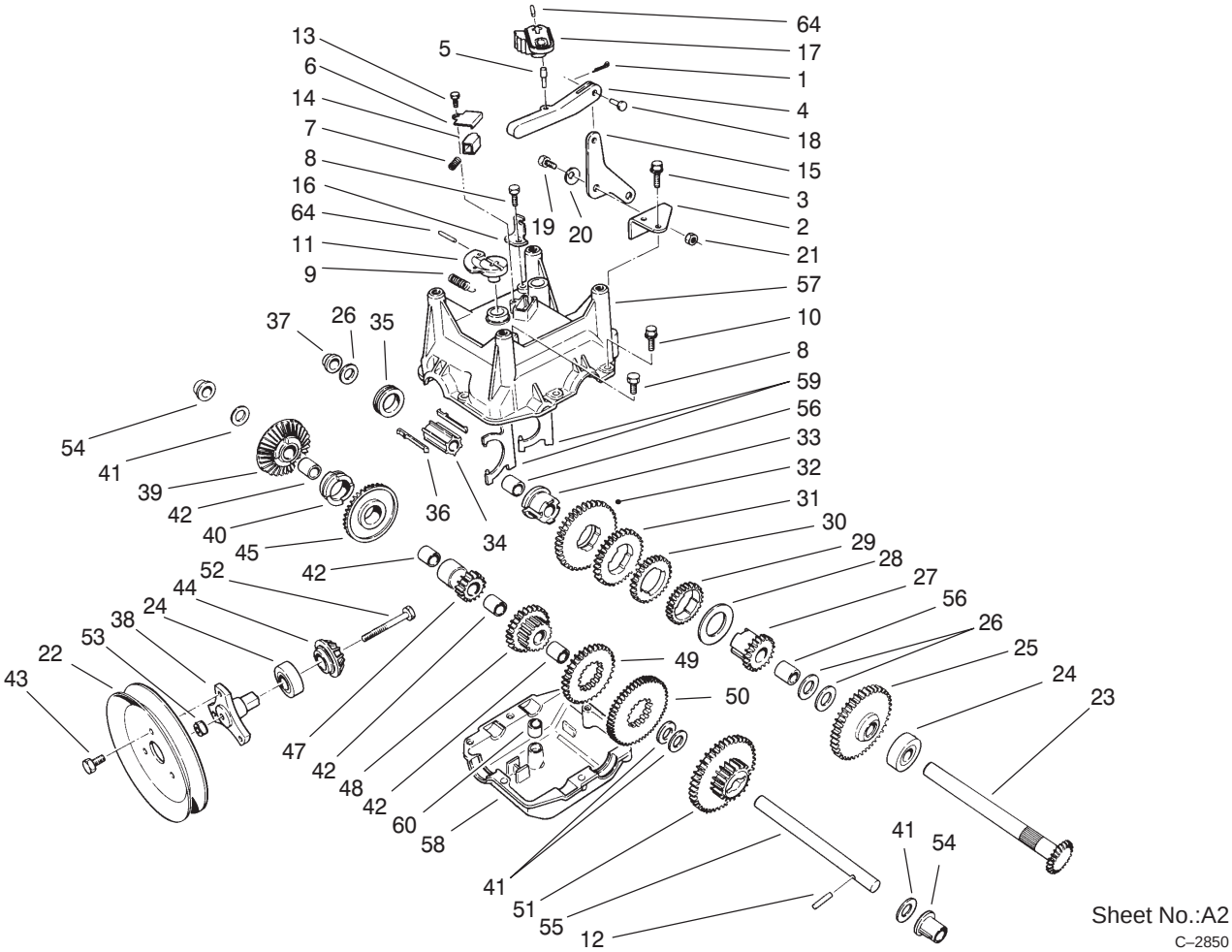


Sheet No.:A2
C–2850

Traction Gearcase 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
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
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	67–5860	1	Gear–Bevel, Rev, 36 T
40	67–5880	1	Collar–Shift
41	257–10	4	Washer–Thrust
42	62–1160	4	Bushing
43	12–3270	3	Screw
44	62–0350	1	Pinion–Bevel
45	67–5870	1	Gear–Bevel, 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
51	62–0360	1	Gear, 19/41 T
52	321–15	1	Screw–HH

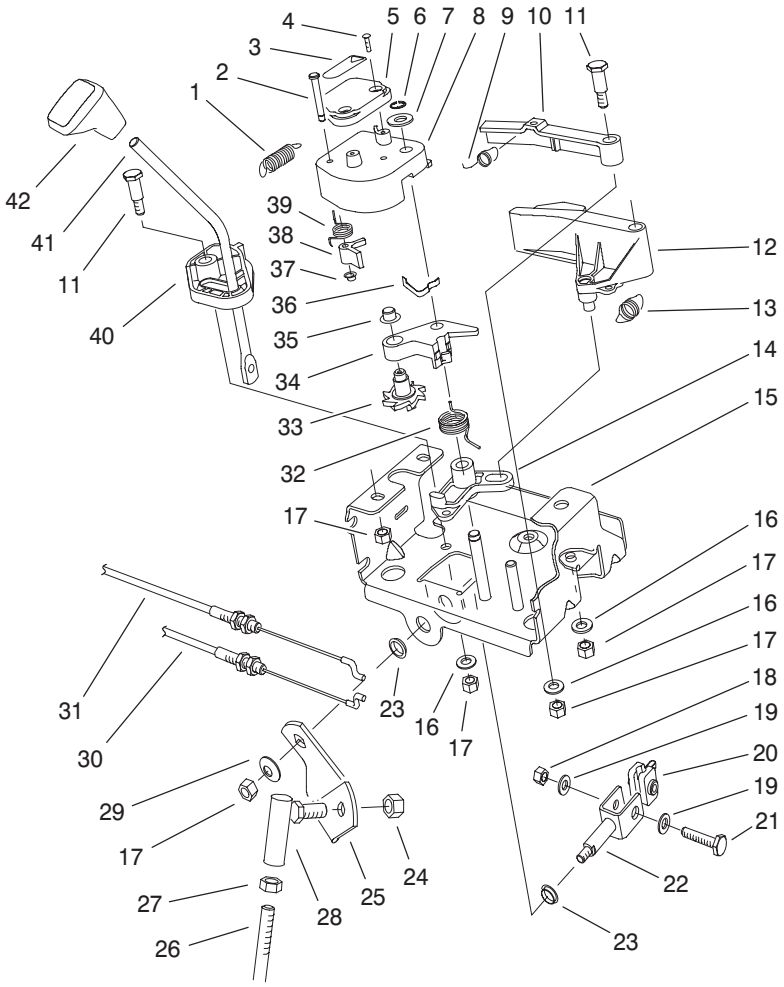


Sheet No.:A2
C–2850

Traction Gearcase Assembly No. 66–8030

Ref. No.	Part No.	Qty.	Description
53	32128–32	1	Nut–HHF
54	62–1170	2	Bushing–Intermediate
55	62–0330	1	Shaft–Intermediate
56	62–1350	2	Bushing–Output
57	62–0490	1	Gearcase–Upper, Casing
58	62–0480	1	Gearcase–Lower, Casing
59	62–1040	2	Yoke–Shift
60	29–9570	1	Bushing–Yoke
64	32121–120	2	Pin–Spring

Ref. No.	Part No.	Qty.	Description

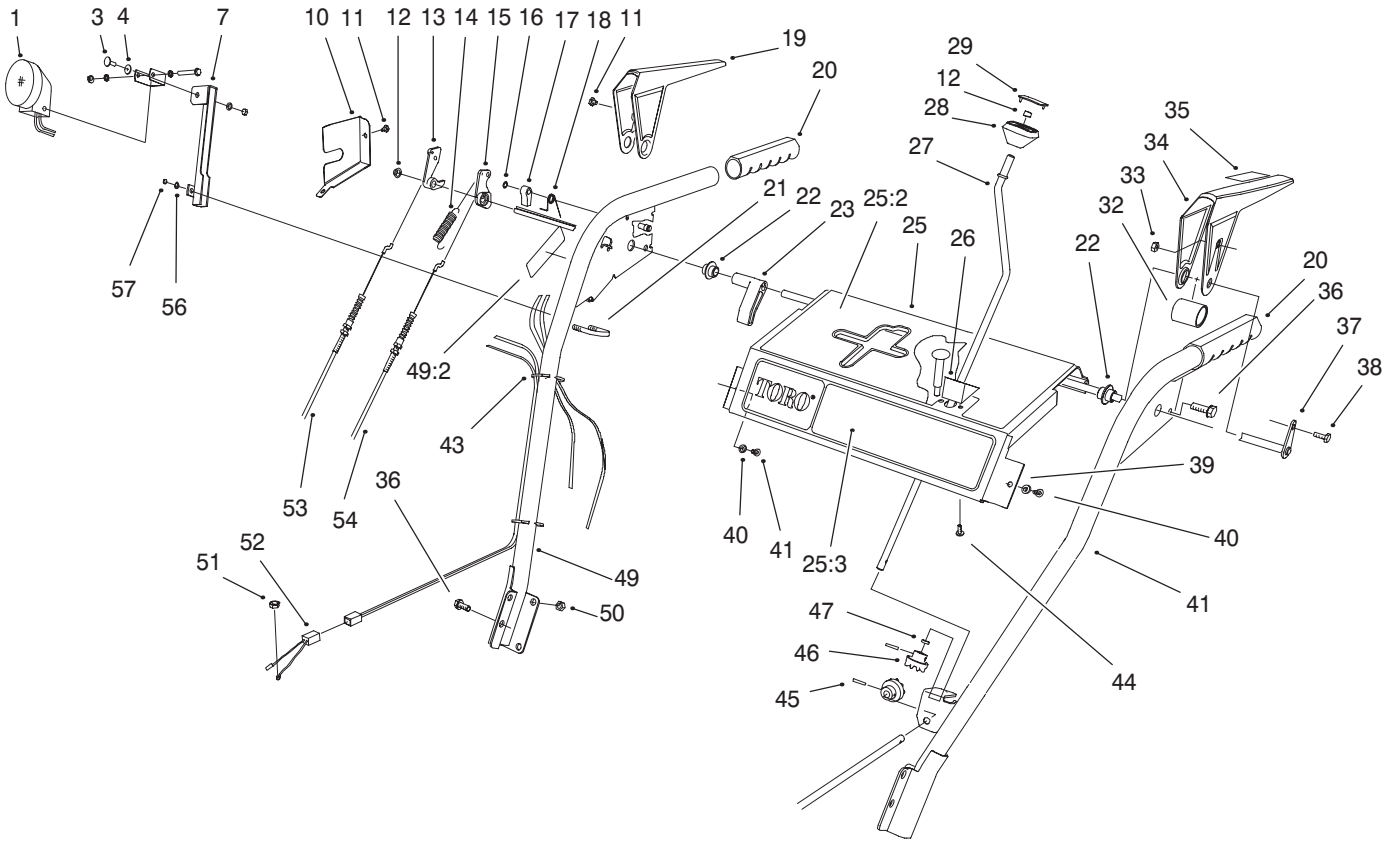


Sheet No.:4

Power Shift Control Assembly

Ref. No.	Part No.	Qty.	Description
1	63–2220	1	Spring–Extension
2	63–2610	1	Pin–Tang
3	63–2480	1	Decal–Number 2
4	94–6961	2	Screw
5	62–1140	1	Cover–Latch
6	32120–46	1	Ring–Retaining
7	257–9	1	Washer–Thrust
8	62–1100	1	Lever Latch
9	63–2240	1	Spring–Extension
10	62–1700	1	Lever–Lockout
11	63–2650	2	Screw–Shoulder
12	62–1130	1	Lever–Reverse
13	63–2230	1	Spring–Extension
14	62–1120	1	Lever–Reverse, Switch
15	63–2150–03	1	Control Frame ASM
16	3256–23	3	Washer–Flat
17	3296–29	7	Nut–Lock, NI
18	3296–42	1	Nut–Lock
19	3256–1	2	Washer–Flat
20	67–9250	1	Retainer–Rod, Shift
21	321–9	1	Screw–HH
22	66–7730	1	Clevis ASM
23	256–296	2	Bushing
24	3296–6	1	Nut–Lock, NI
25	63–2630	1	Bracket–Shift

Ref. No.	Part No.	Qty.	Description
26	63–2830	1	Rod–Bent Shift, Lower
27	3220–3	1	Nut–Jam
28	78–2920	1	Ball–Joint
29	3290–456	1	Washer–Belleville
30	63–2210	1	Cable–Gearbox
31	63–2200	1	Cable–Arm, Latch
32	63–2270	1	Spring–Torsion
33	62–0170	1	Wheel–Index
34	62–1110	1	Lever–Wheel, Index
35	3290–320	1	Retainer–Push On
36	62–1710	1	Spring–Flat
37	3290–422	1	Nut–Push
38	62–0180	1	Tang–Index
39	62–1650	1	Spring–Torsion
40	62–1470	1	Base–Lockout
41	67–9240	1	Rod–Shift
42	62–1290	1	Knob–Shift

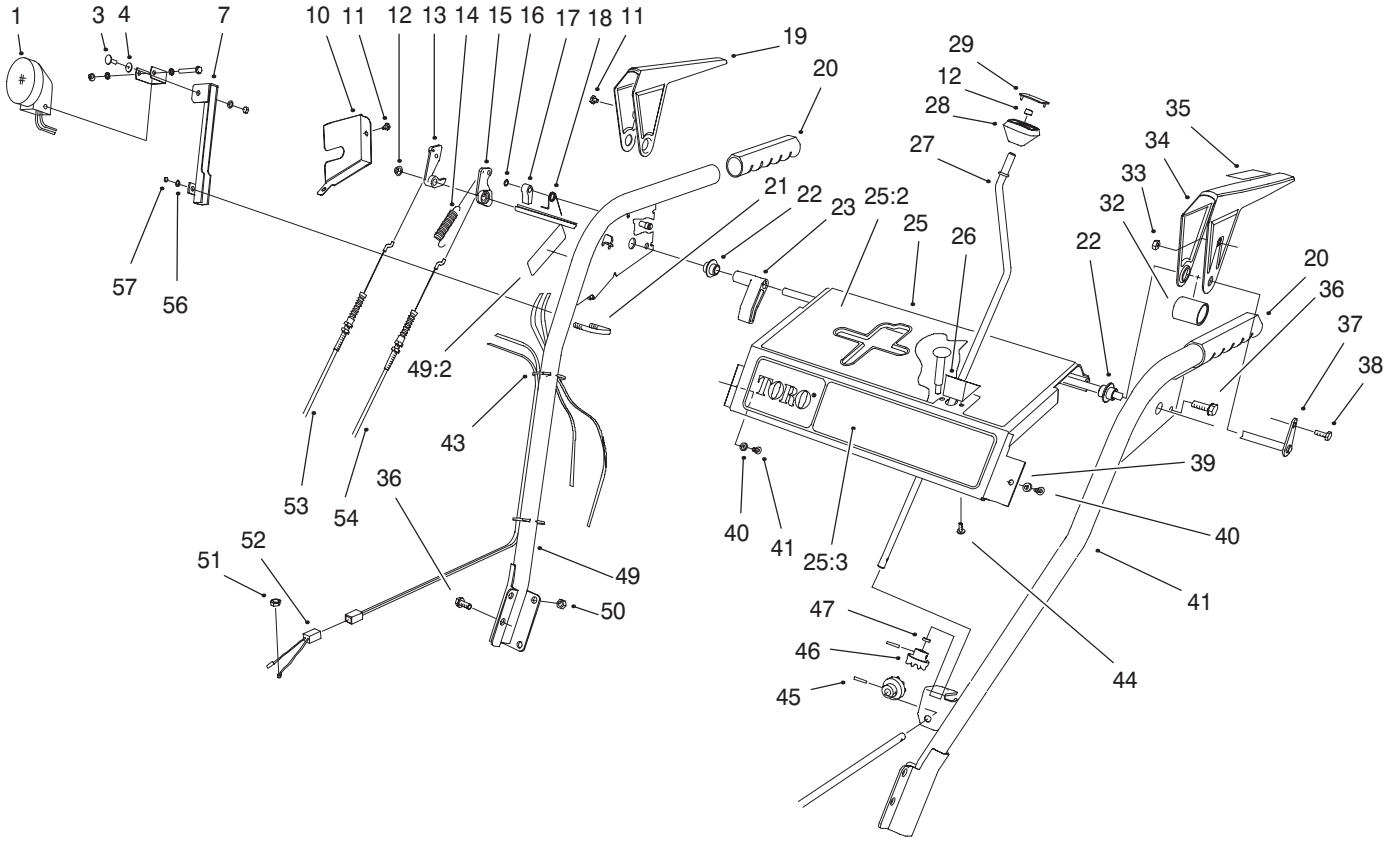


Sheet No.:5

Handle and Control Assembly

Ref. No.	Part No.	Qty.	Description
1		1	Headlamp ASM (only on: 38079)
3	3231–2	1	Screw–CARR (only on: 38079)
4	3256–26	1	Washer–Flat (only on: 38079)
7	68–7110–03	1	Mount–Light (only on: 38079)
10	63–2170–03	1	Cover–Lock, Lever
11	2210–250	3	Screw–HH
12	3290–320	2	Retainer–Push On
13	62–0300	1	Tang–Locking
14	88–0810	1	Spring–Extension
15	62–0290	1	Cam–Release
16	32151–66	1	E–Ring–Retainer
17	62–0280	1	Latch–Locking
18	63–2910	1	Spring–Torsion
19	62–1050–03	1	Lever–Traction, RH
20	66–7850	2	Grip–Handle
21	68–7140	1	U–Bolt (only on: 38079)
22	62–1070	2	Bushing–Lever
23	62–1640	1	Lever–Trip
25	100–3574	1	Control Panel ASM (only on: 38547)

Ref. No.	Part No.	Qty.	Description
25	100–3575	1	Control Panel ASM (only on: 38079)
25:2	99–3230	1	Decal–Top, Panel (only on: 38547)
25:2	99–3229	1	Decal–Control (only on: 38079)
25:3	100–3438	1	Decal–Panel, Front (924) (only on: 38079)
25:3	100–3335	1	Decal–Panel, Front (only on: 38547)
26	62–1490	1	Plate–Guide
27	63–2160	1	Crank–Rod, Chute
28	62–1320	1	Knob–Control, Chute
29	62–1520	1	Cover–Knob
32	63–3380	1	Spacer–Lever, Traction
33	3296–2	1	Nut–Lock
34	62–1060–03	1	Lever–Traction, LH
35	63–3050	1	Decal–Lever (only on: 38547)
36	32144–14	6	Screw–HWH
37	63–2030	1	Cross Rod ASM
38	3290–359	1	Screw–HWH
39	3256–14	2	Washer–Flat
40	32104–76	2	Screw–Slot, Acorn
41	66–8091–03	1	LH Handle ASM

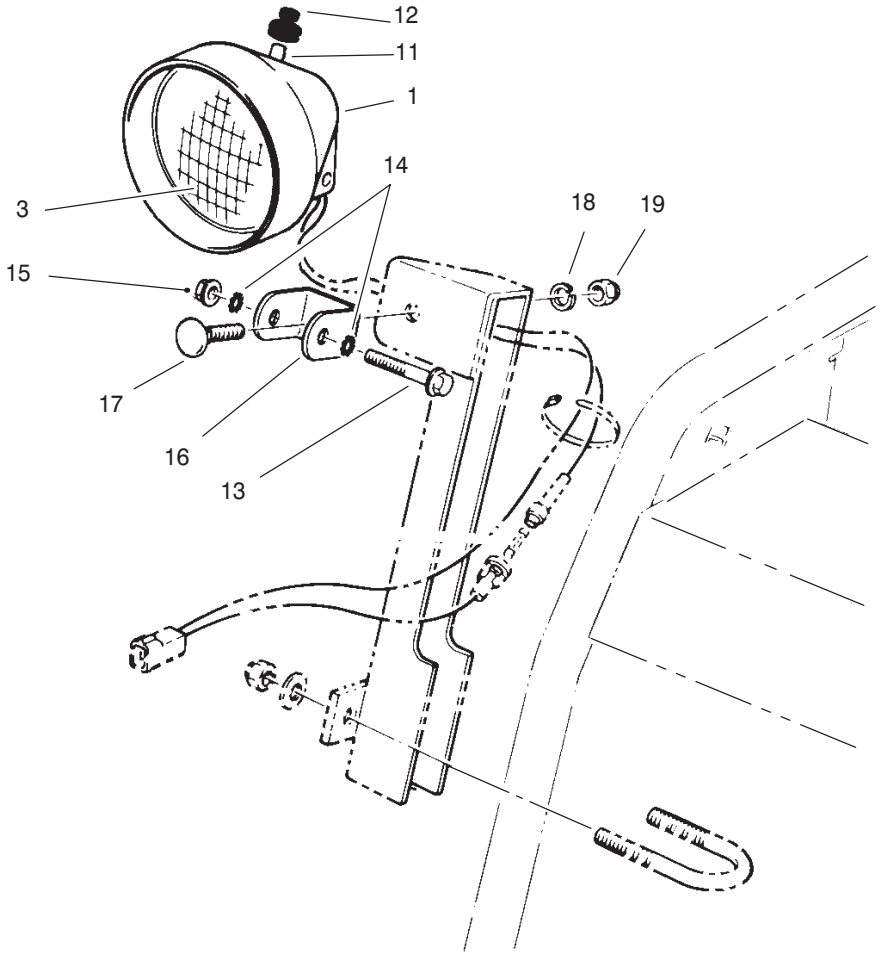


Sheet No.:5

Handle and Control Assembly

Ref. No.	Part No.	Qty.	Description
43	3290–378	2	Tie–Cable
44	94–6961	2	Screw
45	32121–50	2	Pin–Spring
46	62–1460	2	Gear–Universal
47	62–1230	1	Washer–Rubber
49	100–3598	1	Handle ASM (only on: 38079)
49	100–3597	1	Handle ASM (only on: 38547)
49:2	94–2575	1	Decal–Adjustment (only on: 38079)
49:2	66–6860	1	Decal–Warning (only on: 38547)
50	3296–47	4	Nut–Lock, NI
51	3217–6	1	Nut–Hex (only on: 38079)
52	54–9810	1	Wire ASM (only on: 38079)
53	63–2700	1	Cable–Impeller
54	63–2710	1	Cable–Traction
56	3256–23	2	Washer–Flat (only on: 38079)
57	3296–29	4	Nut–Lock, NI (only on: 38079)

Ref. No.	Part No.	Qty.	Description

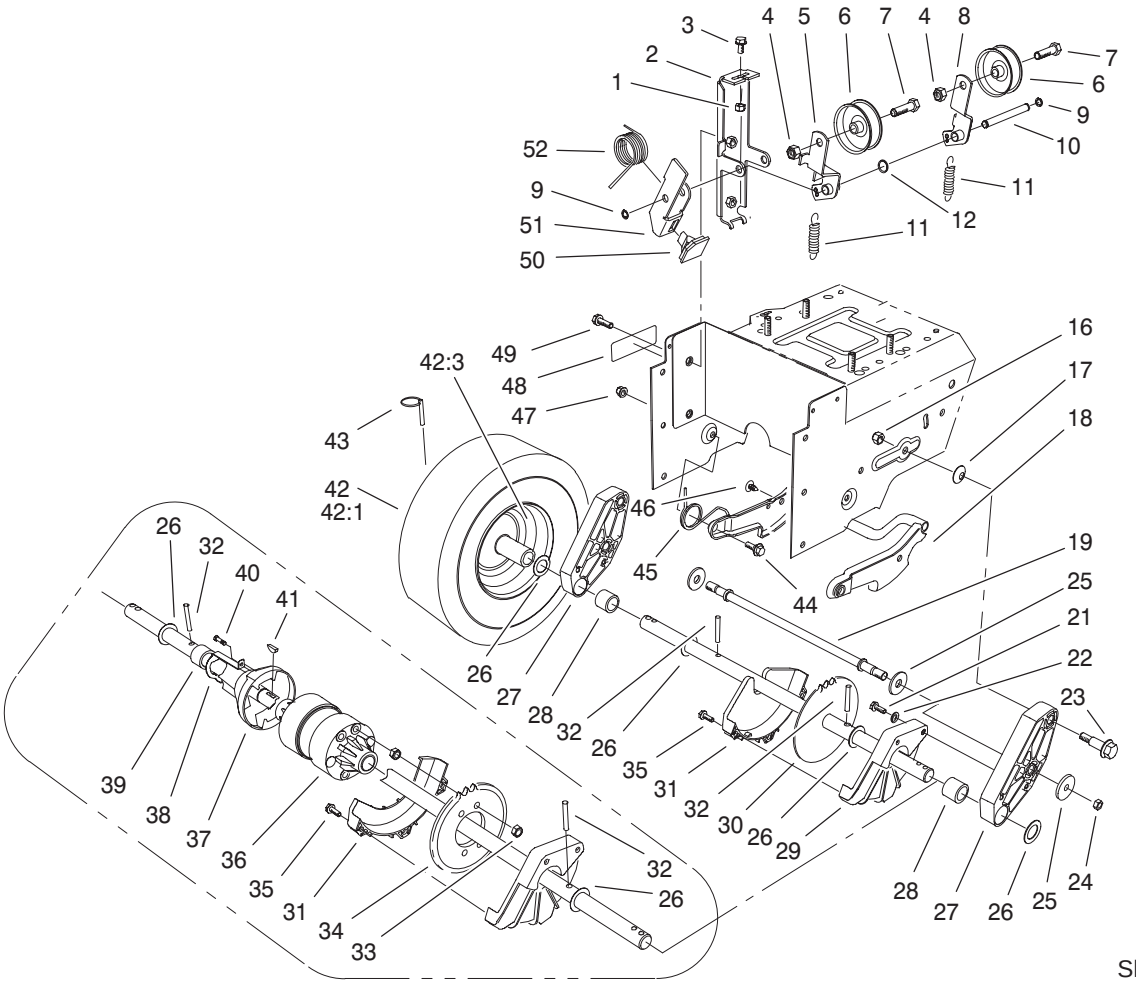


Sheet No.:A3
C–2851

Headlamp Assembly No. 54–9871 (only on: 38079)

Ref. No.	Part No.	Qty.	Description
1	218–552	1	Bucket–Headlamp
3	218–16	1	Beam–Sealed
11	218–553	1	Switch ASM
12	92–6033	1	Boot–Switch
13	322–13	1	Screw–HH
14	3255–8	2	Washer–Lock/Ext
15	32128–35	1	Nut–HF
16	218–556	1	Bracket
17	3231–22	1	Screw–CARR
18	3253–21	1	Washer–Lock
19	3217–7	1	Nut–Hex

Ref. No.	Part No.	Qty.	Description

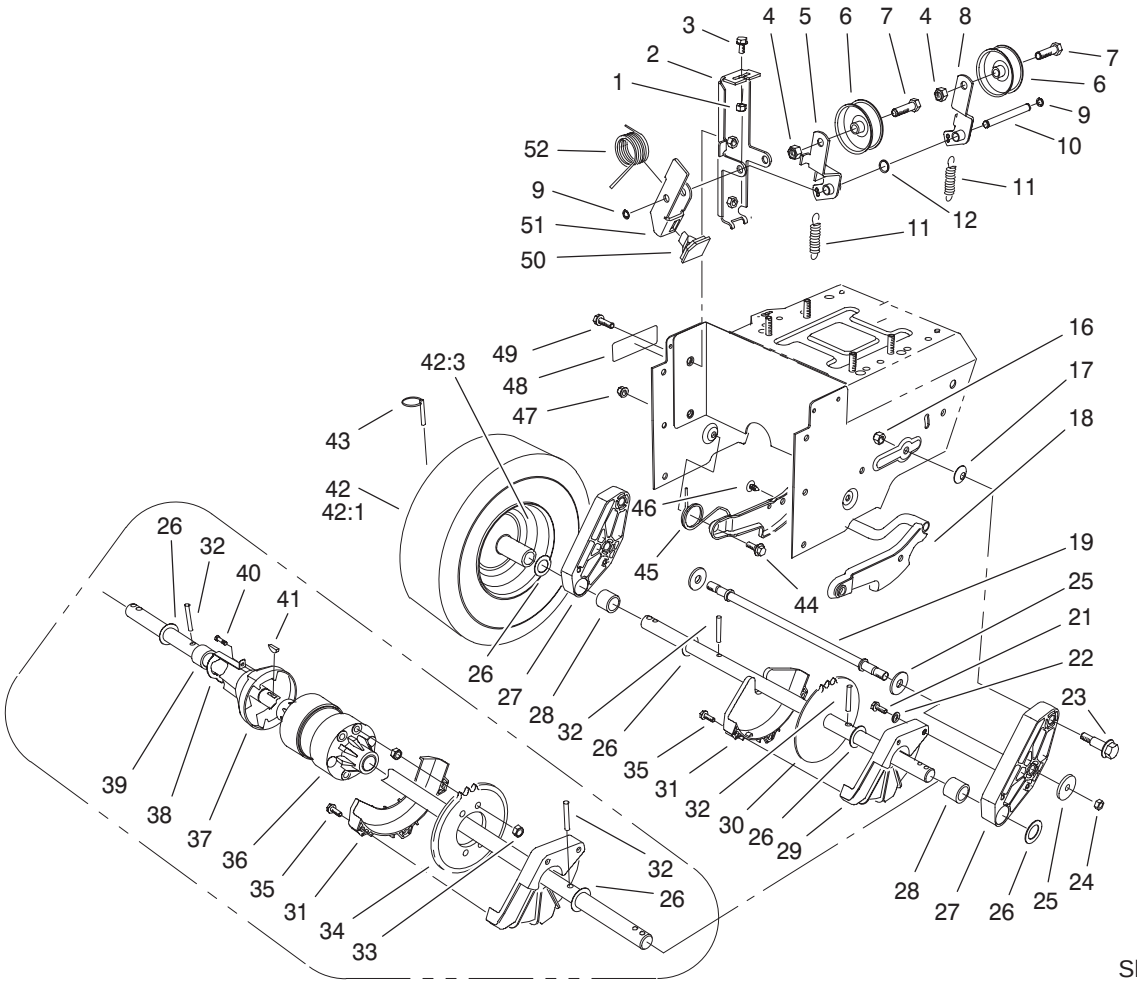


Sheet No.:6

Lower Traction Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–42	1	Nut–Lock
2	63–2850	1	Idler Arm Bracket ASM
3	3234–13	1	Screw–HHF
4	3296–59	2	Nut–Lock, NI
5	93–8046	1	Impeller Idler Arm ASM
6	3–4244	2	Pulley–Idler
7	323–7	2	Screw–HH
8	93–8045	1	Traction Idler Arm ASM
9	32120–46	2	Ring–Retaining
10	62–0970	1	Pin–Idler
11	63–2870	2	Spring–Extension
12	3256–38	1	Washer–Flat
16	3296–39	2	Nut–Lock, NI
17	3290–461	2	Washer–Spring
18	62–0470–03	1	Latch ASM
19	66–7720	1	Rod–Latch
21	32144–4	2	Screw–HH
22	3256–1	2	Washer–Flat
23	62–1330	2	Bolt–Shoulder
24	3296–23	2	Nut–Lock, NI
25	63–3340	4	Washer–Support
26	252–80	4	Washer–Thrust
27	66–7740	2	Pivot Arm ASM
28	63–2250	2	Bushing–Axle

Ref. No.	Part No.	Qty.	Description
29	62–1010	1	Guard–Chain, LH
30	63–2111	1	Axle ASM (only on: 38079)
31	62–1000	1	Guard–Chain, RH (only on: 38079)
31	68–9310	1	Guard–Chain (only on: 38547)
32	32121–9	2	Pin–Spring
33	3296–47	6	Nut–Lock, NI (only on: 38547)
34	68–9271	1	Sprocket–27t (only on: 38547)
35	94–4496	3	Screw–PPH
36	68–9200	1	Differential ASM (only on: 38547)
37	68–9250	1	Coupling–Differential (only on: 38547)
38	68–9260	1	Locknut–Spring (only on: 38547)
39	95–7930	1	Spacer (only on: 38547)
40	104–2065	1	Screw–HWH (only on: 38547)
41	3257–41	2	Key–Woodruff (only on: 38547)
42		2	Wheel And Tire ASM



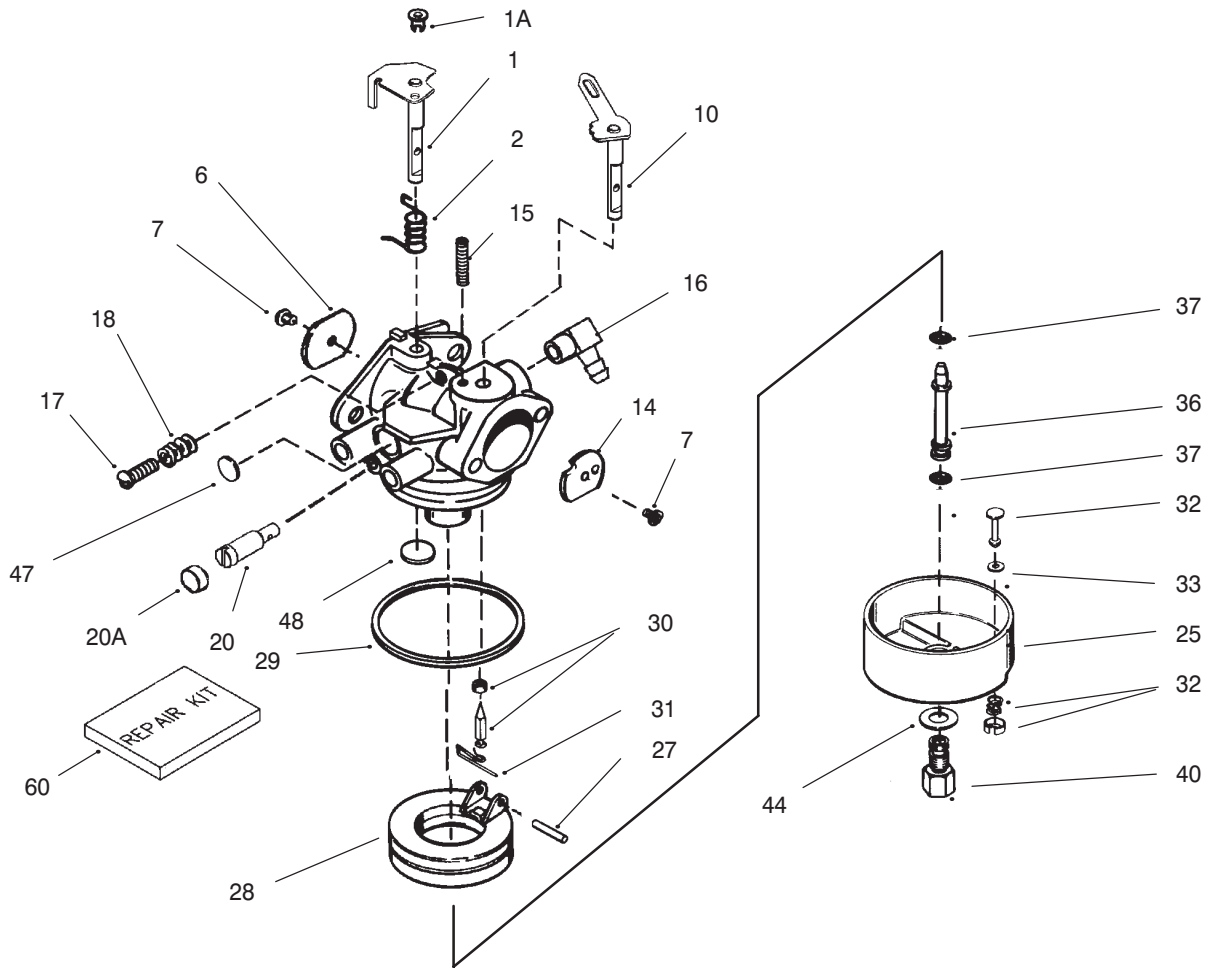
Sheet No.:6

Lower Traction Assembly

Ref. No.	Part No.	Qty.	Description
42:1	231–120	1	Tire
*42:2	232–46	1	Tube
42:3	241–128	1	Wheel
43	3290–243	2	Pin–Lynch
44	5–2490	2	Screw–Shoulder
45	63–2740	1	Spring–Latch, Torsion
46	3290–476	1	Fastener–Panel
47	3296–47	2	Nut–Lock, NI
49	3234–7	2	Screw–HHF
50	66–8060	1	Pad–Brake
51	63–2810	1	Arm–Brake
52	63–2880	1	Spring–torsion

Ref. No.	Part No.	Qty.	Description

* Not illustrated



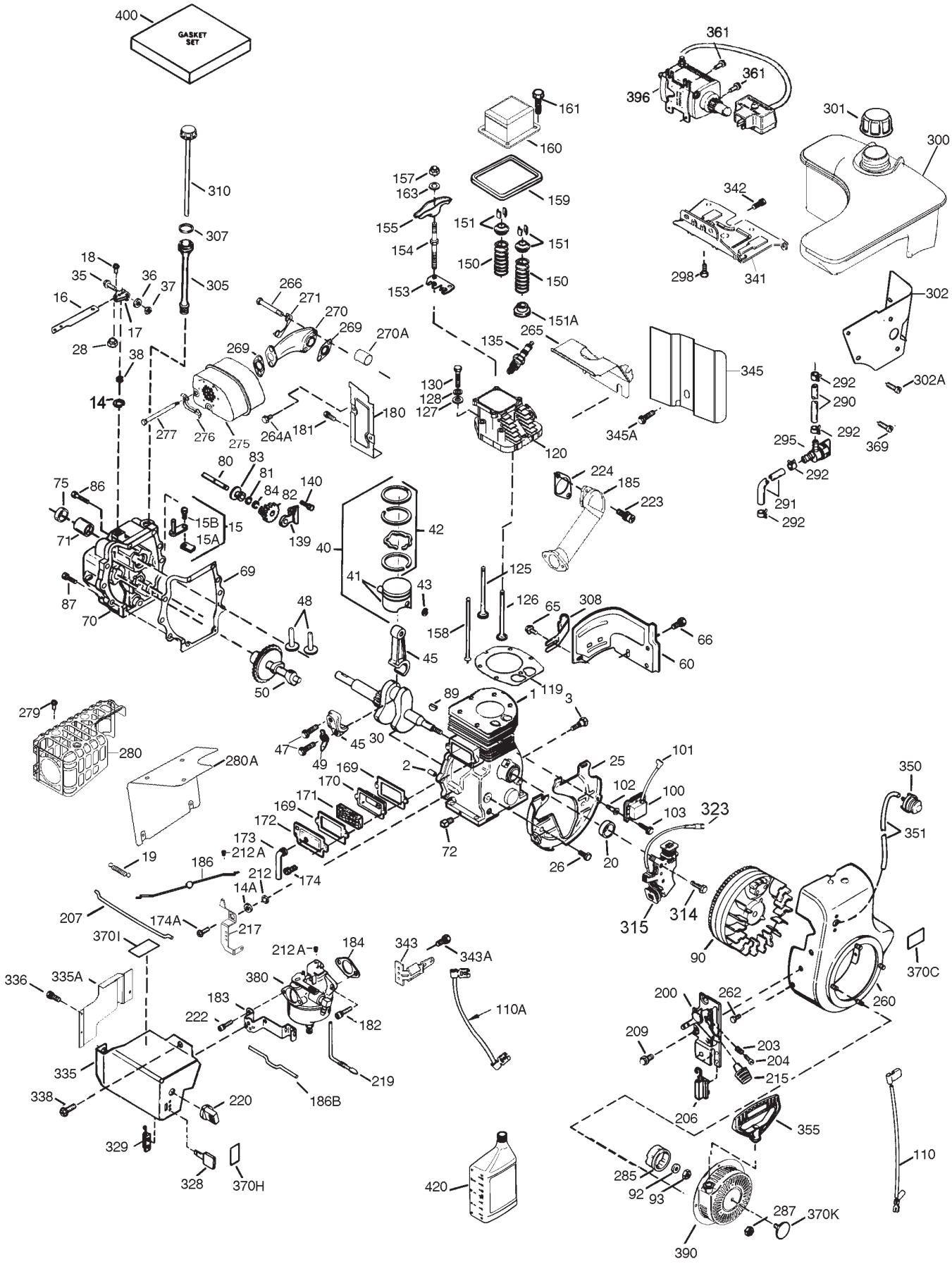
Carburetor No. 640169

Ref. No.	Part No.	Qty.	Description
1	632777	1	Throttle Shaft & Lever ASM
1A	36288	1	Bushing
2	631970	1	Throttle Return Spring
6	640109	1	Throttle Shutter
7	650506	4	Shutter Screw
10	632778	1	Choke Shaft & Lever ASM
14	632189	1	Choke Shutter
15	630735	1	Choke Positioning Spring
16	632527	1	Fuel Fitting
17	651025	1	Idle Speed Screw
18	630766	1	Tension Spring
20	640027	1	Idle Restrictor Screw
20A	640053	1	Idle Restrictor Screw Cap
25	632594A	1	Float Bowl ASM (Incl. Ref.# 32 & 33)
27	631024	1	Float Shaft
28	632019	1	Float
29	631028	1	Float Bowl O–Ring
30	631021	1	Inlet Needle, Seat, Clip (Incl. Ref.# 31)
31	631022	1	Spring Clip
32	27136A	1	Bowl Drain ASM

Ref. No.	Part No.	Qty.	Description
33	27554	1	Drain Plunger Gasket
36	640013	1	Main Nozzle Tube
37	632547	2	O–Ring, Main Nozzle Tube
40	640170	1	High Speed Bowl Nut
44	27110A	1	Bowl Nut Washer
47	630748	1	Welch Plug, Idle Mixture Well
48	631027	1	Welch Plug, Vent
60	632760	1	Repair Kit

Obtain Parts From Tecumseh

Engine Assembly
OHSK 90–221413B (Only on: 38547)

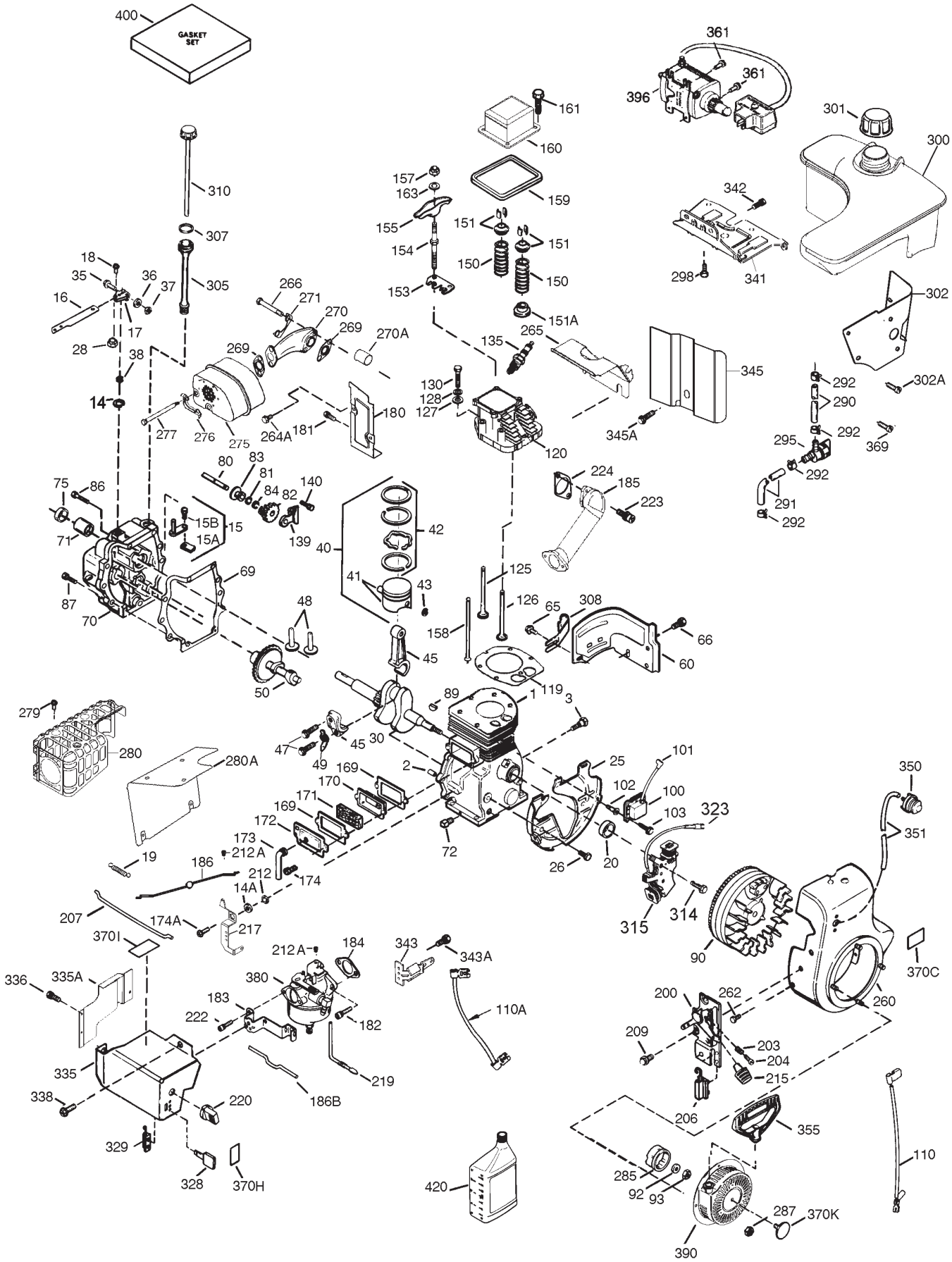


Engine Assembly
OHSK 90–221413B (Only on: 38547)

Ref. No.	Part No.	Qty.	Description
1	37251	1	Cylinder (Incl. Ref.# 2, 20, & 72)
2	27652	2	Dowel Pin
3	650820	2	Screw
14	28277	1	Washer
14A	651057	1	Washer
15	30699C	1	Governor Rod (Incl. Ref.#15A & 15B)
15A	30700	1	Governor Yoke
15B	650494	1	Screw
16	37255A	1	Governor Lever
17	29916	1	Governor Lever Clamp
18	651028	1	Screw – Torx
19A	36281	1	Extension Spring
20	35319	1	Oil Seal
25	36460	1	Blower Housing Baffle
26	650561	2	Screw
28	30322	1	Lock Nut
30	37272	1	Crankshaft
35	29826	1	Screw
36	29918	1	Lock Washer
37	29216	1	Lock Nut
38	29642	1	Retaining Ring
40	40011	1	Piston, Pin & Ring Set (Std.)
40	40012	1	Piston, Pin & Ring Set (.010)
41	40009	1	Piston & Pin Ass'y (Std.) (Incl. Ref.#43)
41	40010	1	Piston & Pin Ass'y (.010) (Incl. Ref.#43)
42	40013	1	Ring Set (Std.)
42	40014	1	Ring Set (.010)
43	27888	2	Piston Pin Retaining Ring
45	36897	1	Connecting Rod ASM (Incl. Ref.# 47 & 49)
47	651033	2	Connecting Rod Bolt
48	35313	2	Valve Lifter
49	36896	1	Oil Dipper
50	37517	1	Camshaft (MCR)
60	35316A	1	Blower Housing Extension
65	30200	1	Screw
66	30063	1	Screw – Torx
69	35262A	1	Cylinder Cover Gasket
70	37273	1	Cylinder Cover (Incl. Ref.#14,15,38,71,75)
71	35377	1	Crankshaft Bushing
72	27642	1	Oil Drain Plug
75	35319	1	Oil Seal
80	31845	1	Governor Shaft
81	30590A	1	Washer
82	35378	1	Governor Gear ASM
83	30588A	1	Governor Spool
84	29193	1	Retaining Ring
86	650833	7	Screw
87	650832	1	Screw
89	32589	1	Flywheel Key
90	611093	1	Flywheel (W/Ring Gear)
92	650880	1	Lock Washer
93	650881	1	Flywheel Nut
100	35135A	1	Solid State Ignition
101	610118	1	Spark Plug Cover
102	651024	2	Solid State Mounting Stud
103	651007	2	Screw – Torx
110	35187	1	Ground Wire
110A	37047	1	Ground Wire
119	37256	1	Cylinder Head Gasket
120	37516	1	Cylinder Head (Incl. Ref. #151A)
125	36934	1	Exhaust Valve (Std.)
125	36936	1	Exhaust Valve (1/32)
126	36935	1	Intake Valve (Std.)
127	650691	6	Washer
128	650690	6	Belleville Washer
130	650697A	6	Screw
135	34645	1	Spark Plug (RN4C)
139	33369	1	Governor Gear Bracket
140	650836	1	Screw
150	33507	2	Valve Spring
151	33508	2	Valve Spring Keeper
151A	35862	1	Seal–Valve, Intake
153	35949	1	Push Rod Guide
154	650945	2	Rocker Arm Stud
155	35950	2	Rocker Arm
157	650947	2	Jam Nut
158	35466	2	Push Rod
159	35952	1	Rocker Arm Cover Gasket
160	35953A	1	Rocker Arm Cover
161	30063	4	Screw – Torx
163	650890	2	Lock Washer
169	27896A	2	Valve Cover Gasket
170	28423	1	Breather Body
171	28424	1	Breather Element
172	28425	1	Valve Cover
173	35350	1	Breather Tube
174	650128	2	Screw
174A	651056	1	Screw
180	35954	1	Blower Housing Extension
181	30200	2	Lock Nut
182	650517	2	Screw – Torx
183	34583A	1	Choke Bracket
184	33263	1	Carb. To Intake Pipe Gasket
185	37085	1	Intake Pipe
186	37261	1	Governor Link

Obtain Parts From Tecumseh

Engine Assembly
OHSK 90–221413B (Only on: 38547) (Continued)

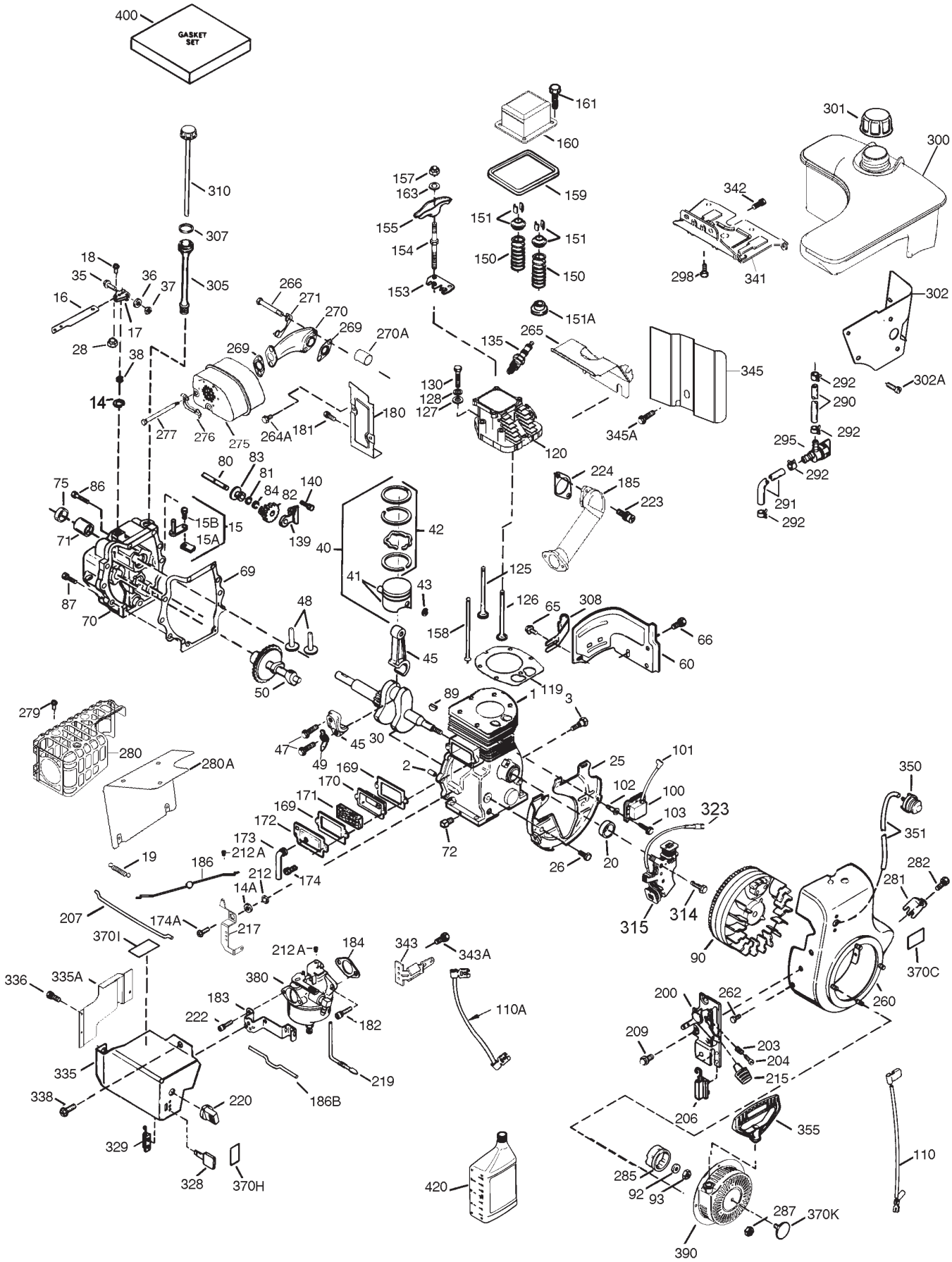


Engine Assembly
OHSK 90–221413B (Only on: 38547) (Continued)

Ref. No.	Part No.	Qty.	Description
186B	36653	1	Choke Spring
200	35702	1	Control Bracket (Incl. Ref.#203, 204 & 206)
203	31342	1	Compression Spring
204	651029	1	Screw – Torx
206	610973	1	Terminal
207	37262	1	Throttle Link
209	650821	2	Screw
212	30773A	1	Bushing
212A	36288	2	Bushing
215	35440	1	Control Knob
216	37260	1	Bellcrank Lever
219	35689	1	Choke Rod
220	35438	1	Choke Knob
222	28820	2	Screw
223	650971	2	Screw – Torx
224	33515A	1	Intake Pipe Gasket
260	37092A	1	Blower Housing
262	29747B	2	Screw – Torx
264A	650738	1	Screw
265	37086	1	Cylinder Head Cover
266	650876	2	Screw
269	35762	2	Exhaust Gasket
270	37263	1	Manifold
270A	35829A	1	Exhaust Port Liner
271	35293	1	Locking Plate (Manifold)
275	37264	1	Muffler
276	35348	1	Locking Plate
277	650877	2	Screw
279	651011	4	Screw
280	37265	1	Heat Shield
285	35985B	1	Starter Cup
287	29752	4	Nut & Lock Washer
290	30962	1	Fuel Line
291	29774	1	Fuel Line
292	26460	4	Fuel Line Clamp
295	35857	1	Fuel Shut–Off Valve
298	650665	2	Screw
300	37099	1	Fuel Tank (Incl. 292 & 301)
301	36246	1	Fuel Cap
302	37098	1	Fuel Tank Extension
302A	650821	3	Screw
305	35574	1	Oil Fill Tube
307	35499	1	O–Ring
308	35539	1	Fill Tube Clip
310	35700	1	Dipstick
314	650873	2	Screw
315	611111	1	Alternator Coil (18 Watt) (Incl. Ref.# 323)
323	611118	2	Terminal
328	35062	2	Ignition Keys
329	610973	1	Terminal
335	37096	1	Carburetor Cover
335A	37087	1	Carburetor Cover
336	650821	3	Screw
338	650821	4	Screw
341	37093	1	Fuel Tank Bracket
342	792028	2	Screw
343	35079	1	Key Switch Bracket
343A	651060	1	Screw
345	37097	1	Heat Baffle
345A	650821	1	Screw
350	570682A	1	Primer Assembly
351	32180C	1	Primer Line
355	590574	1	Starter Handle
361	650990	2	Screw–Torx
369	651032	2	Screw
370C	36501	1	Primer Decal
370H	37226	1	Choke Decal
370I	37119	1	Warning Decal
370K	36695	1	Emblem Decal
380	640169	1	Carburetor (Incl. Ref.# 184)
390	590749	1	Rewind Starter
396	33329E	1	Electric Starter Motor (110 Volt)
400	37257	1	Gasket Set
420	730226A	1	SAE 5W30 4–Cycle Engine Oil (Quart)

Obtain Parts From Tecumseh

Engine Assembly
OHSK 90–221412B (Only on: 38079)



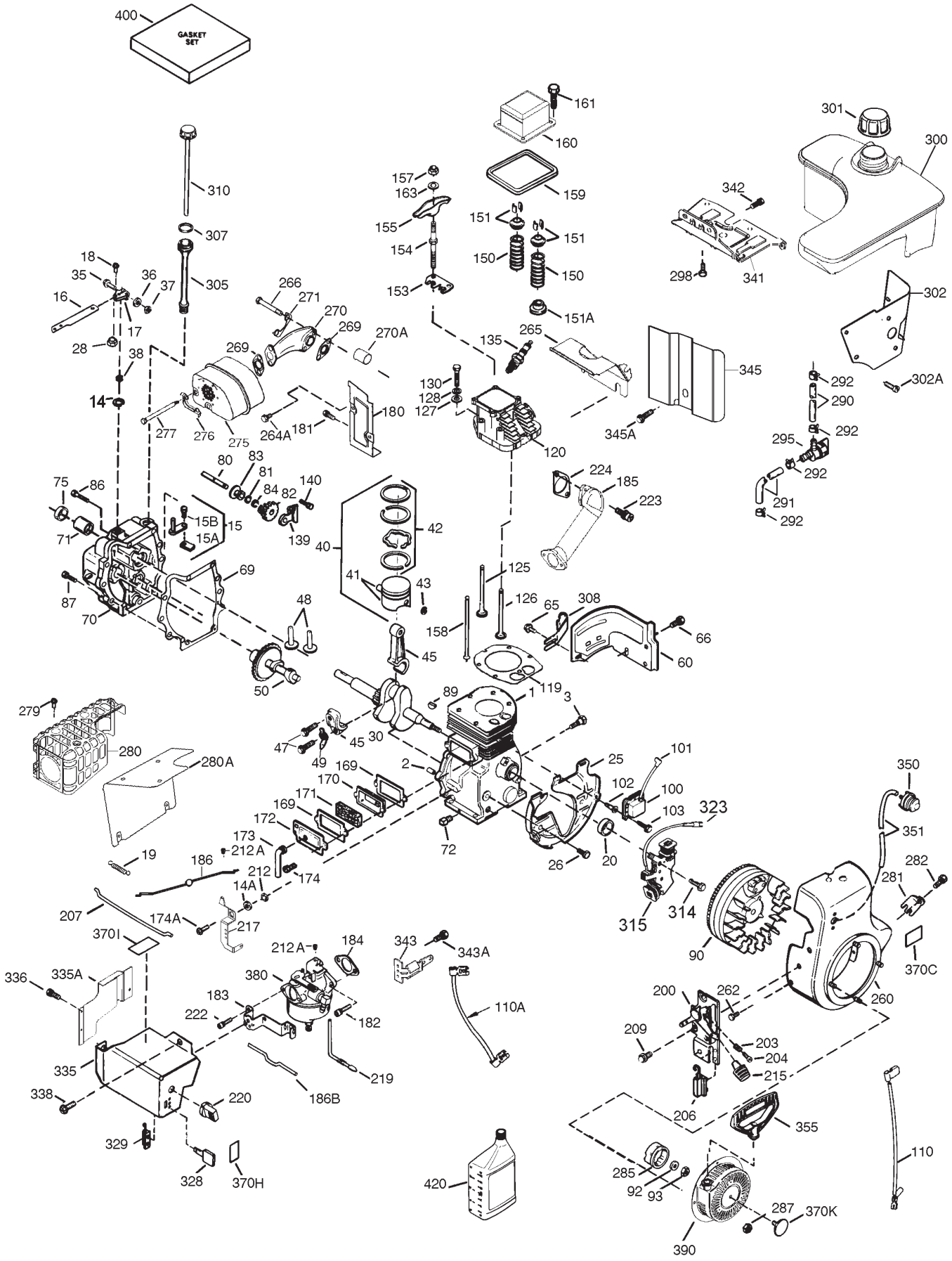
Engine Assembly
OHSK 90–221412B (Only on: 38079)

Ref. No.	Part No.	Qty.	Description
1	37251	1	Cylinder (Incl. Ref.# 2, 20 & 72)
2	27652	2	Dowel Pin
3	650820	2	Screw
14	28277	1	Washer
14A	651057	1	Washer
15	30699C	1	Governor Rod Ass'y (Incl. Ref.#15A & 15B)
15A	30700	1	Governor Yoke
15B	650494	1	Screw
16	37255A	1	Governor Lever
17	29916	1	Governor Lever Clamp
18	651028	1	Screw – Torx
19A	36281	1	Extension Spring
20	35319	1	Oil Seal
25	36460	1	Blower Housing Baffle
26	650561	2	Screw
28	30322	1	Lock Nut
30	37272	1	Crankshaft
35	29826	1	Screw
36	29918	1	Lock Washer
37	29216	1	Lock Nut
38	29642	1	Retaining Ring
40	40011	1	Piston, Pin & Ring Set (Std.)
40	40012	1	Piston, Pin & Ring Set (.010)
41	40009	1	Piston & Pin Ass'y (Std.) (Incl. Ref.#43)
41	40010	1	Piston & Pin Ass'y (.010) (Incl. Ref.#43)
42	40013	1	Ring Set (Std.)
42	40014	1	Ring Set (.010)
43	27888	2	Piston Pin Retaining Ring
45	36897	1	Connecting Rod ASM (Incl. Ref.# 47 & 49)
47	651033	2	Connecting Rod Bolt
48	35313	2	Valve Lifter
49	36896	1	Oil Dipper
50	37517	1	Camshaft (MCR)
60	35316A	1	Blower Housing Extension
65	30200	1	Screw
66	30063	1	Screw – Torx
69	35262A	1	Cylinder Cover Gasket
70	37273	1	Cylinder Cover (Incl. Ref.#14,15,38,71,75)
71	35377	1	Crankshaft Bushing
72	27642	1	Oil Drain Plug
75	35319	1	Oil Seal
80	31845	1	Governor Shaft
81	30590A	1	Washer
82	35378	1	Governor Gear ASM
83	30588A	1	Governor Spool
84	29193	1	Retaining Ring

Ref. No.	Part No.	Qty.	Description
86	650833	7	Screw
87	650832	1	Screw
89	32589	1	Flywheel Key
90	611093	1	Flywheel (W/Ring Gear)
92	650880	1	Lock Washer
93	650881	1	Flywheel Nut
100	35135A	1	Solid State Ignition
101	610118	1	Spark Plug Cover
102	651024	2	Solid State Mounting Stud
103	651007	2	Screw – Torx
110	35187	1	Ground Wire
110A	37047	1	Ground Wire
119	37256	1	Cylinder Head Gasket
120	37516	1	Cylinder Head (incl. Ref. #151A)
125	36934	1	Exhaust Valve (Std.)
125	36936	1	Exhaust Valve (1/32)
126	36935	1	Intake Valve (Std.)
127	650691	6	Washer
128	650690	6	Belleville Washer
130	650697A	6	Screw
135	34645	1	Spark Plug (RN4C)
139	33369	1	Governor Gear Bracket
140	650836	1	Screw
150	33507	2	Valve Spring
151	33508	2	Valve Spring Keeper
151A	35862	1	Seal–Valve, Intake
153	35949	1	Push Rod Guide
154	650945	2	Rocker Arm Stud
155	35950	2	Rocker Arm
157	650947	2	Jam Nut
158	35466	2	Push Rod
159	35952	1	Rocker Arm Cover Gasket
160	35953A	1	Rocker Arm Cover
161	30063	4	Screw – Torx
163	650890	2	Lock Washer
169	27896A	2	Valve Cover Gasket
170	28423	1	Breather Body
171	28424	1	Breather Element
172	28425	1	Valve Cover
173	35350	1	Breather Tube
174	650128	2	Screw
174A	651056	1	Screw
180	35954	1	Blower Housing Extension
181	30200	2	Lock Nut
182	650517	2	Screw–Torx
183	34583A	1	Choke Bracket
184	33263	1	Carb. To Intake Pipe Gasket
185	37085	1	Intake Pipe
186	37261	1	Governor Link

Obtain Parts From Tecumseh

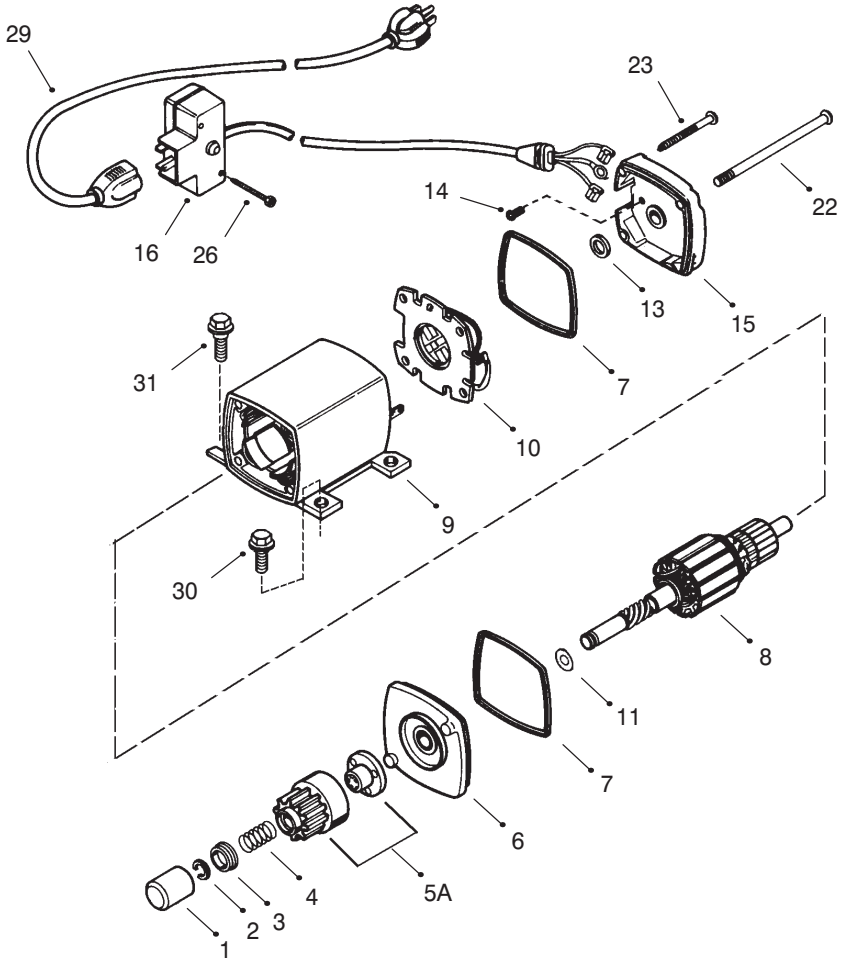
Engine Assembly
OHSK 90–221412B (Only on: 38079) (Continued)



Engine Assembly
OHSK 90–221412B (Only on: 38079) (Continued)

Ref. No.	Part No.	Qty.	Description
186B	36653	1	Choke Spring
200	35702	1	Control Bracket (Incl. Ref.#203, 204 & 206)
203	31342	1	Compression Spring
204	651029	1	Screw – Torx
206	610973	1	Terminal
207	37262	1	Throttle Link
209	650821	2	Screw
212	30773A	1	Bushing
212A	36288	2	Bushing
215	35440	1	Control Knob
216	37260	1	Bellcrank Lever
219	35689	1	Choke Rod
220	35438	1	Choke Knob
222	28820	2	Screw
223	650971	2	Screw – Torx
224	33515A	1	Intake Pipe Gasket
260	37092A	1	Blower Housing
262	29747B	2	Screw – Torx
264A	650738	1	Screw
265	37086	1	Cylinder Head Cover
266	650876	2	Screw
269	35762	2	Exhaust Gasket
270	37263	1	Manifold
270A	35829A	1	Exhaust Port Liner
271	35293	1	Locking Plate (Manifold)
275	37264	1	Muffler
276	36348	1	Locking Plate
277	650877	2	Screw
279	650821	4	Screw
280	37265	1	Heat Shield
280A	37106	1	Shield–Heat, Radiation
281	33013	1	Starter Bubbler Cover
282	650760	1	Screw
285	35985B	1	Starter Cup
287	29752	4	Nut & Lock Washer
290	30962	1	Fuel Line
291	29774	1	Fuel Line
292	26460	4	Fuel Line Clamp
295	35857	1	Fuel Shut–Off Valve
298	650665	2	Screw
300	37099	1	Fuel Tank (Incl. Ref.# 292 & 301)
301	36246	1	Fuel Cap
302	37098	1	Fuel Tank Extension
302A	650821	3	Screw
305	35574	1	Oil Fill Tube
307	35499	1	O–Ring
308	35539	1	Fill Tube Clip
310	35700	1	Dipstick
314	650873	2	Screw
315	611111	1	Alternator Coil (18 Watt) (Incl. Ref.# 323)
323	611118	1	Terminal
328	35062	2	Ignition Keys
329	610973	1	Terminal
335	37096	1	Carburetor Cover
335A	37087	1	Carburetor Cover
336	650821	3	Screw
338	650821	4	Screw
341	37093	1	Fuel Tank Bracket
342	792028	2	Screw
343	35079	1	Key Switch Bracket
343A	651060	1	Screw
345	37097	1	Heat Baffle
345A	650821	1	Screw
350	570682A	1	Primer Assembly
351	32180C	1	Primer Line
355	590574	1	Starter Handle
370C	36501	1	Primer Decal
370H	37226	1	Choke Decal
370I	37119	1	Warning Decal
370J	37226	1	Decal–Choke
370K	36695	1	Decal–Starter
380	640169	1	Carburetor (Incl. Ref.# 184)
390	590749	1	Rewind Starter
400	37257	1	Gasket Set
420	730226A	1	SAE 5W30 4–Cycle Engine Oil (Quart)

Obtain Parts From Tecumseh

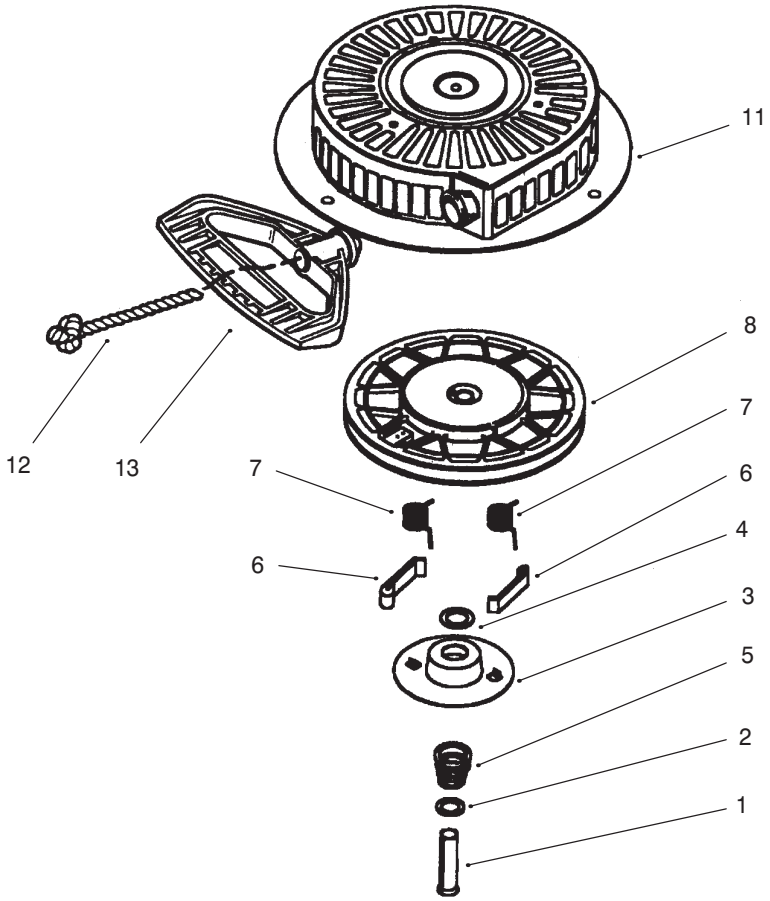


Electric Starter (110 Volt) No. 33329E

Ref. No.	Part No.	Qty.	Description
1	33451	1	Dust Cover
2	33842	1	Retainer Ring
3	33430	1	Spring Retainer
4	33431	1	Anti–drift Spring
5A	37050	1	Gear & Nut (Incl. Ref.# 2)
6	35449	1	Drive End Cap ASM (Incl. Ref.#7)
7	35450	2	O–Ring
8	35915	1	Armature
9	35451B	1	Housing ASM
10	35452A	1	Brush Card ASM
11	35911	1	Thrust Washer
13	590500	1	Thrust Washer
14	33441	1	Ground Screw
15	35453	1	Commutator End Cap ASM (Incl. Ref.# 7)
16	35454	1	Switch Box ASM
22	35455	2	Case Bolt
23	35456	1	Ground Screw
26	650819	2	Screw
26	651032	2	Screw
29	32450B	1	Extension Cord
30	30063	2	Screw – Torx
31	650820	2	Screw

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Tecumseh

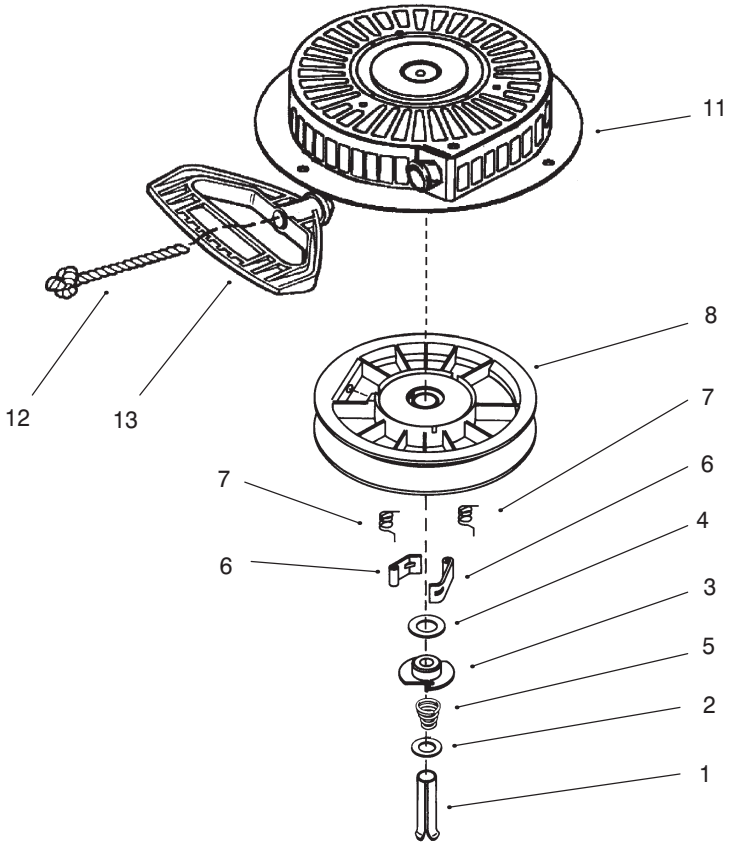


Recoil Starter No. 590733 (Optional)

Ref. No.	Part No.	Qty.	Description
1	590599A	1	Spring Pin (Incl. Ref.# 4)
2	590600	1	Washer
3	590696	1	Retainer
4	590601	1	Washer
5	590697	1	Brake Spring
6	590698	2	Starter Dog
7	590699	2	Dog Spring
8	590709	1	Pulley & Rewind Spring ASM
11	590734	1	Starter Housing ASM
12	590535	1	Starter Rope
13	590574	1	Mitten Grip Handle

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Tecumseh



Recoil Starter No. 590749

Ref. No.	Part No.	Qty.	Description
1	590599A	1	Spring Pin (Incl. Ref.# 4)
2	590600	1	Washer
3	590679	1	Retainer
4	590601	1	Washer
5	590678	1	Brake Spring
6	590680	2	Starter Dog
7	590412	2	Dog Spring
8	590682	1	Pulley & Rewind Spring ASM
11	590750	1	Starter Housing ASM
12	590535	1	Starter Rope
13	590574	1	Mitten Grip Handle

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Tecumseh

Maintenance Record

Date								


TORO®