



824XL, 824XL Int'l

Snowthrower

Model No. 38086-200000001 and Up

Model No. 38066-200000001 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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Accessories

Description	Model / Part No.
Drift Breaker	Part No. 66–7960
Tire Chain Kit	Part No. 56–2700
Snow Cab	Part No. 95–2650
Light Kit (Model No. 38086 Only)	Part No. 66–7941

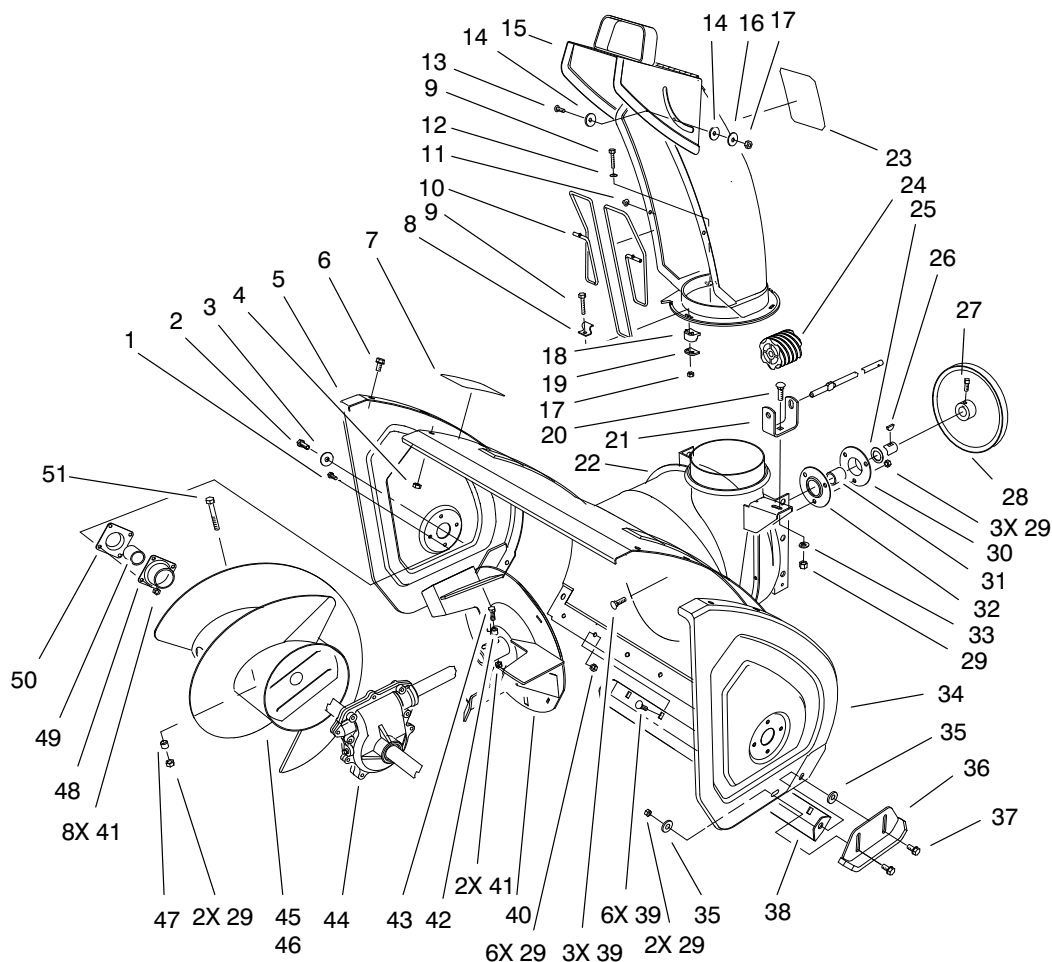
Description	Model / Part No.
110 Vac Electric Starter Kit (Model No. 38066 Only)	Model No. 38039

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

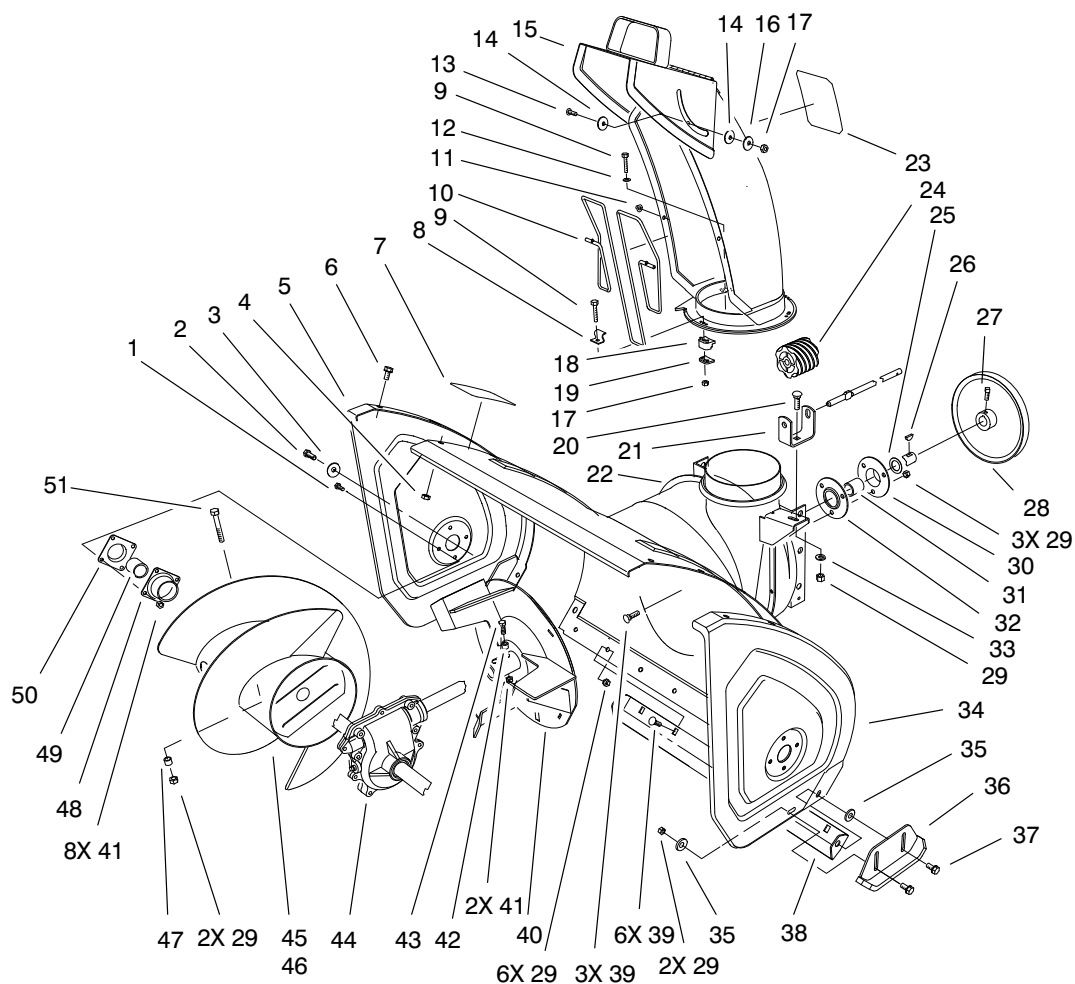
Abbreviation	Meaning
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head



Sheet No.:3

Auger & Housing Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	321-3	8	Screw-HH	21	63-2180	1	Bracket-Worm, Chute
2	323-4	2	Screw-HH	22	95-2664	1	24" Housing (Intl) (only on: 38066)
3	3-0750	2	Washer	22	95-2663	1	24" Housing (only on: 38086)
4	3296-47	12	Nut-Lock Ni	23	94-2558	1	Decal - Danger Discharge (only on: 38066)
5	66-7821-01	1	Plate-Side, RH	23	94-8079	1	Decal-Danger (only on: 38086)
6	3234-28	12	Screw-HHF	24	62-0820	1	Gear-Worm
7	94-2568	1	Decal-Warning, Auger (only on: 38066)	25	252-80	1	Bearing-Thrust
7	53-7670	1	Decal-Warning, Auger (only on: 38086)	26	3257-23	1	Key-Woodruff
8	63-3130	1	Clip-Guard, Chute	27	3242-4	2	Screw-SQH Set
9	3274-13	3	Screw-HSH	28	62-1300	1	Pulley-Impeller
10	63-3020	1	Guard-Chute	29	3296-29	14	Nut-Lock Ni
11	3290-326	2	Nut-Push	30	26-6110	1	Flange-Cup, Bearing
12	3256-14	2	Washer-Flat	31	63-3450	1	Bearing-Ball
13	32122-32	1	Screw	32	26-6120	1	Flange-Cup, Bearing
14	63-2900	2	Washer-Plastic	33	3256-23	1	Washer-Flat
15	95-2661	1	Chute (only on: 38086)	34	66-7831-01	1	Plate-Side, LH
15	95-2662	1	Chute Wa (Intl) (only on: 38066)	35	52-2861	4	Washer
16	3256-61	1	Washer-Flat	36	74-1440-01	2	Skid ASM
17	3296-2	4	Nut-Lock Ni	37	3234-5	4	Screw-HHF
18	62-1430	3	Retainer-Chute	38	66-7762-01	1	Scraper Blade ASM
19	63-2670	3	Plate-Retainer, Chute	39	3230-23	9	Screw-CARR
20	3230-1	1	Screw-CARR				

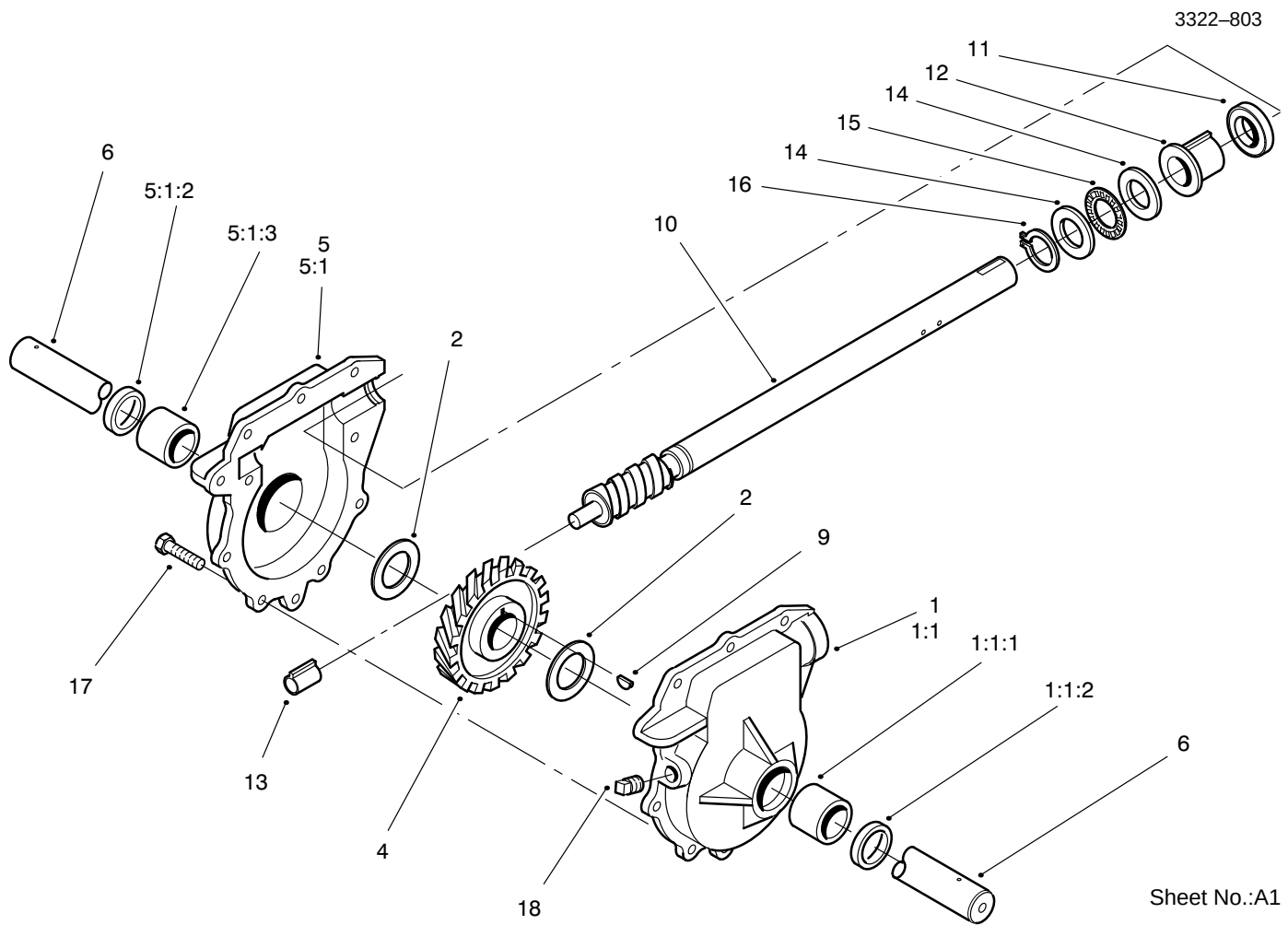


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Auger & Housing Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
40	66-7910-03	1	Blade Impeller ASM
41	3296-42	10	Nut-Lock Ni
42	66-8010	2	Spacer-Hub, Impeller
43	321-44	2	Screw-HHF
44	74-1560	1	Auger Gearcase ASM
45	63-2750-03	1	RH 24" Auger Wa (Black) (only on: 38086)
45	68-7450-03	1	Auger ASM, RH (only on: 38066)
46	68-7460-03	1	Auger ASM, LH (only on: 38066)
46	63-2760-03	1	LH 24" Auger Wa (Black) (only on: 38086)
47	25-5090	2	Spacer-Hub, Auger
48	20-0990	2	Flange-Bearing, Front
49	20-0980	2	Bearing
50	20-1000	2	Flange-Bearing, Rear
51	322-12	2	Screw-HH

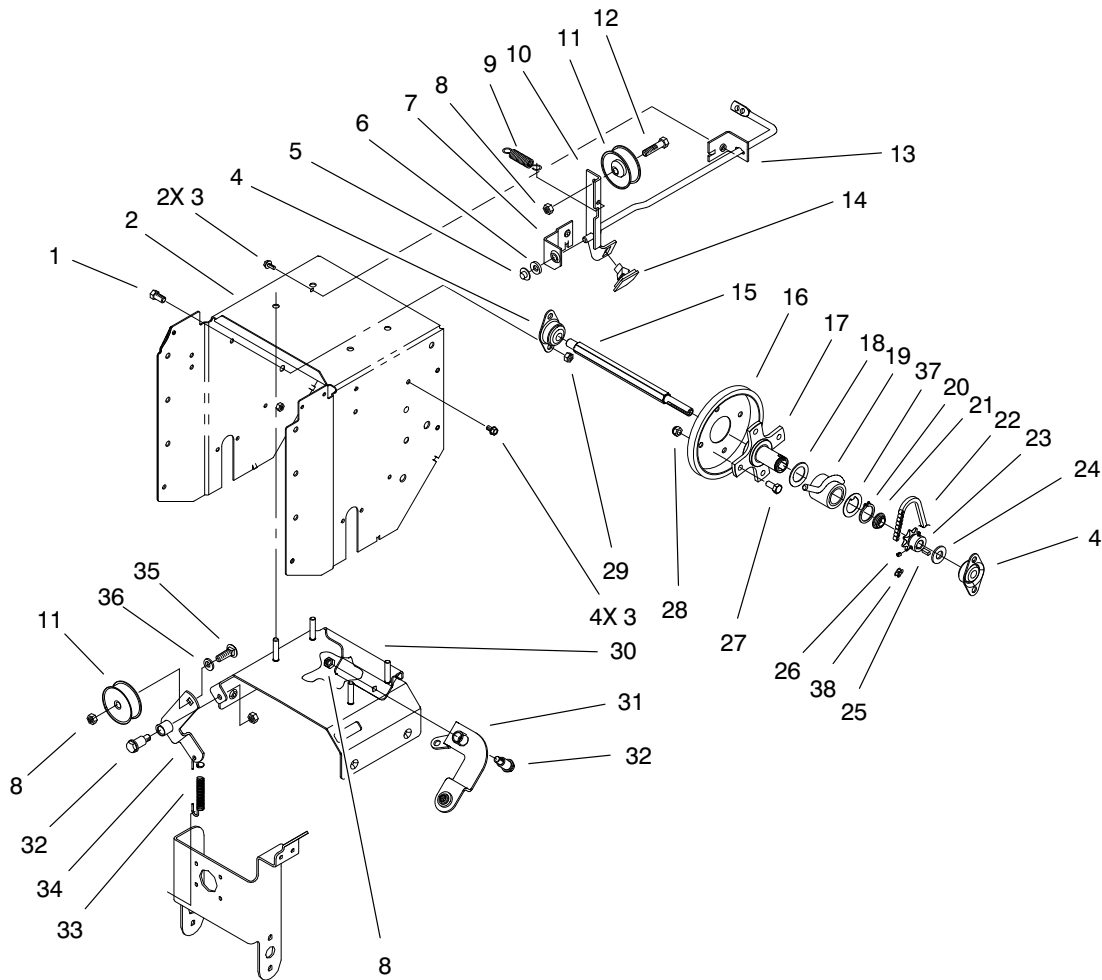
Ref. No.	Part No.	Qty.	Description



Sheet No.:A1

Auger Gear Case Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	74-1570	1	LH Auger Gearcase ASM				
1:1		1	Auger Gearcase ASM, LH				
1:1:1	256-237	1	Bushing				
1:1:2	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				
5:1		1	Auger Gearcase ASM, RH				
5:1:2	7-0045	1	Seal-Oil				
5:1:3	256-237	1	Bushing				
6	62-1530	1	Shaft-Auger, 24"				
9	3257-10	1	Key-Woodruff				
10	66-7811	1	Impeller Shaft				
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-SQH Pipe				

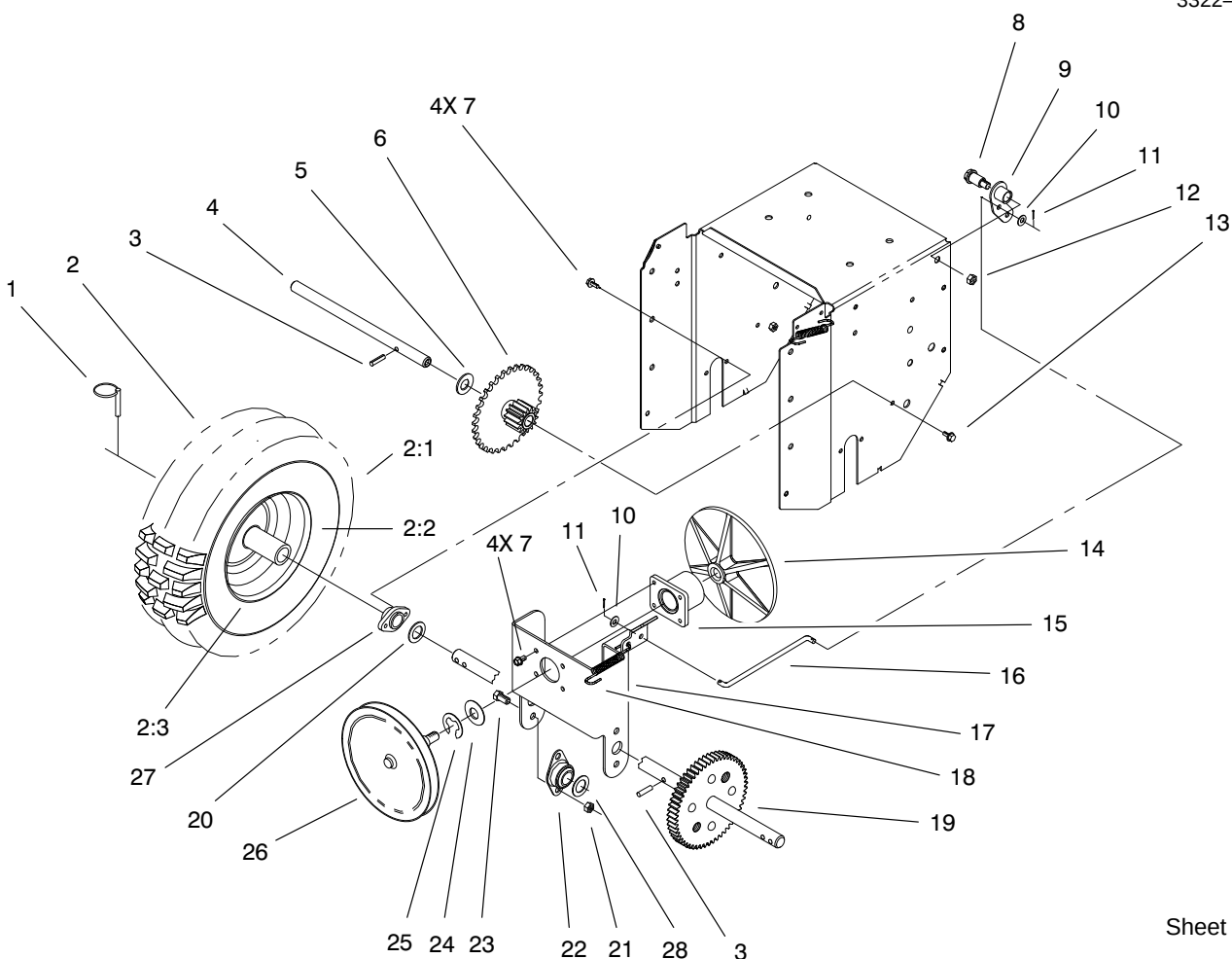


Sheet No.:4

Upper Traction Assembly

Ref. No.	Part No.	Qty.	Description
1	323-4	4	Screw-HH
2	94-8852-01	1	Frame-Traction
3	32144-4	6	Screw-HH
4	94-8824	2	Bearing - Triangle
5	3290-320	1	Retainer-Push On
6	3256-24	1	Washer-Flat
7	94-8829	1	Mounting-Clutch Rod Bracket
8	3296-59	4	Nut-Lock Ni
9	53-7570	1	Spring
10	94-8828-03	1	Rod-Auger Clutch
11	3-4244	2	Pulley-Idler
12	323-29	1	Screw-HH
13	94-8841	1	Mounting-Rear Clutch Rod
14	66-8060	1	Pad-Brake
15	94-8816	1	Shaft - Hex
16	40-8170	1	Friction Wheel
17	95-7931	1	Hub-Traction Disc
18	9547	1	Washer-Thrust
19	94-8883	1	ASM - Slider Ring
20	32151-36	1	Ring-Retaining
21	94-8862	1	Spacer
22	20-1810	1	Roller Chain
23	5-9820	1	Sprocket
24	87-7270	1	Washer - Thrust

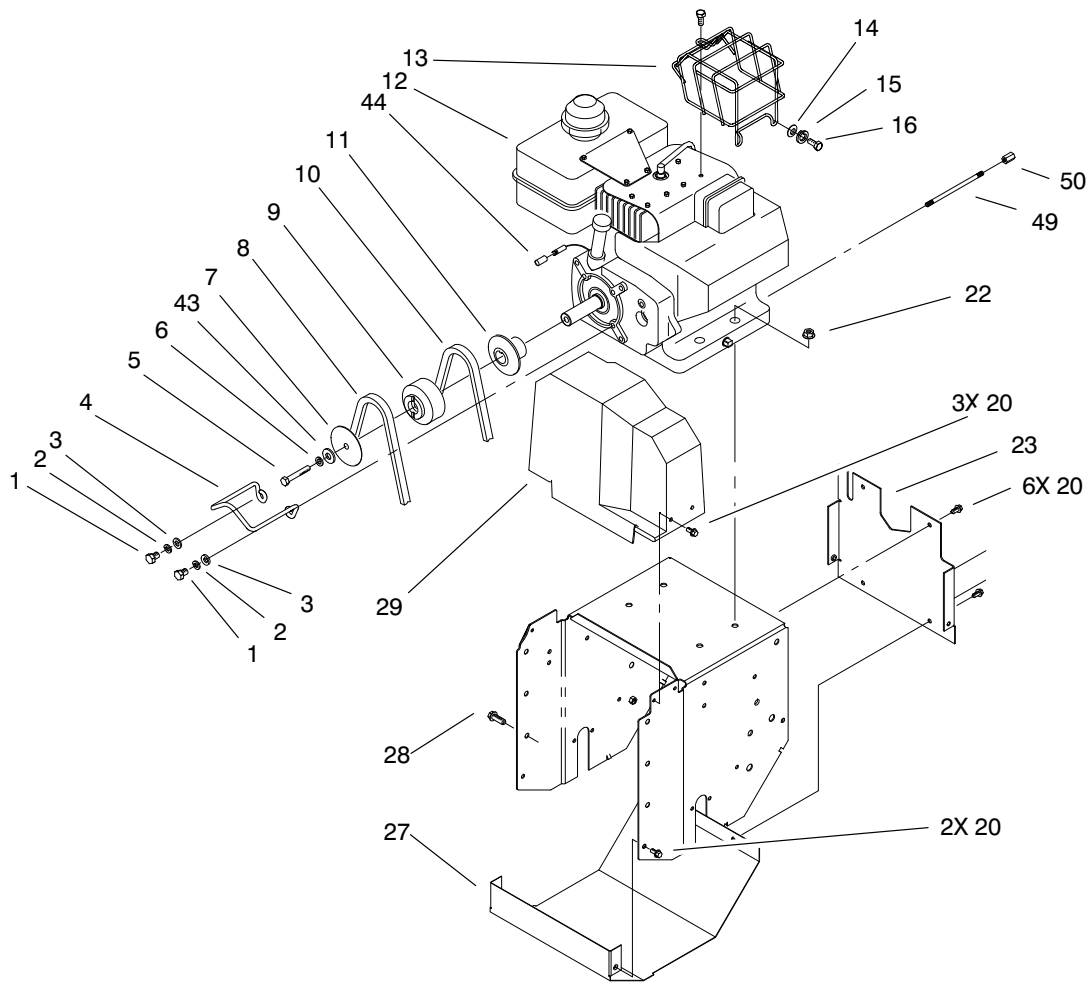
Ref. No.	Part No.	Qty.	Description
25	94-8850	1	Key - Square
26	3245-32	2	Screw-HS
27	322-3	4	Screw-HH
28	3296-29	4	Nut-Lock Ni
29	3296-39	4	Nut-Lock Ni
30	94-8851-03	1	Brace
31	99-9315	1	Assembly - Shift Arm
32	94-8859	2	Bolt - Shoulder
33	94-8870	1	Spring - Extension Idler
34	94-8864	1	Bracket/Hub-Idler
35	3231-26	1	Screw-CARR
36	9202594	1	Washer
37	98-2252	1	Washer - Thrust
38	2710-6	1	Link-Chain



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Lower Traction Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-243	2	Pin-Lynch	23	323-4	4	Screw-HH
2	67-9221	2	Wheel And Tire ASM	24	252-80	1	Bearing-Thrust
2:1	231-120	1	Tire	25	32151-103	1	Ring-Snap
2:2	232-46	1	Tube	26	94-8823	1	ASM - Pulley/Shaft
2:3	241-131	1	Rim-Wheel	27	37-6850	2	Bearing-Axle
3	32121-9	4	Pin-Spring	28	3-6498	2	Washer-Thrust
4	94-8814	1	Shaft - Intermediate				
5	7-3590	1	Washer				
6	94-8856	1	ASM - Gear/Bushing				
7	32144-4	8	Screw-HH				
8	94-8859	1	Bolt - Shoulder				
9	94-8822	1	Wa - Pivot Hub				
10	3256-67	2	Washer-Flat				
11	3272-4	2	Pin-Cotter				
12	3296-59	1	Nut-Lock Ni				
13	32144-14	2	Screw-HWH				
14	94-8857	1	Disc - Friction				
15	94-8845	1	ASM - Bearing Hub				
16	94-8818	1	Rod - Engage				
17	94-8833-03	1	Frame-Friction Plate				
18	94-8813	1	Spring - Engage				
19	94-8855	1	Wa - Axle				
20	3-8664	2	Washer-Thrust				
21	3296-39	4	Nut-Lock Ni (only on: 38066)				
22	68-2970	2	Bushing-Selt/A				



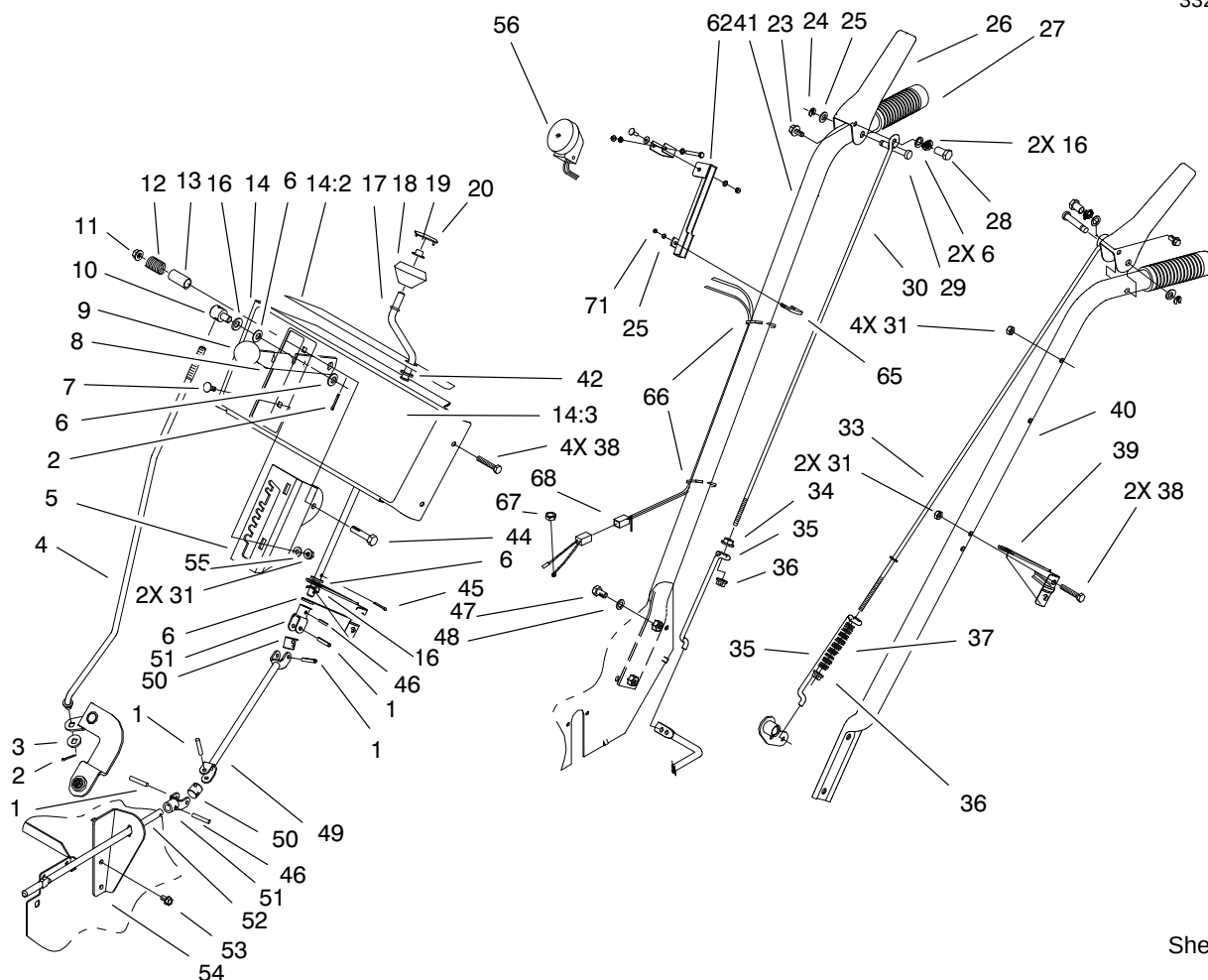
Sheet No.:6

Engine & Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	3210-3	2	Screw-HH
2	3253-4	2	Washer-Lock/Sp
3	3256-23	2	Washer-Flat
4	95-7917	1	Guide - Belt
5	3212-8	1	Screw-HH
6	3253-6	1	Washer-Lock/Sp
7	62-0940	1	Sheave-Half, Impeller
8	94-8803	1	Belt - Impeller
9	94-8849	1	Pulley - Engine Center
10	94-8812	1	Belt - Traction
11	62-0920	1	Sheave-Half, Traction
12	99-3223	1	Engine-Tecumseh, 8hp (only on: 38066)
13	94-2763	1	Guard - Muffler (only on: 38066)
14	3256-49	2	Washer-Flat (only on: 38066)
15	3253-17	2	Washer-Lock/Sp (only on: 38066)
16	93-8048	2	Screw (only on: 38066)
20	32144-4	11	Screw-HH
22	32128-20	4	Nut-Hex Flange
23	94-8842-01	1	Cover-Rear
27	94-8844-01	1	Cover-Bottom

Ref. No.	Part No.	Qty.	Description
28	32144-14	6	Screw-HWH
29	94-8802	1	Cover - Upper Belt
43	3256-41	1	Washer-Flat
44	94-2782	1	Cap-Wire, Lite (only on: 38086)
49	289-34	1	Nipple-Pipe
50	288-2	1	Cap-Pipe
*	99-9300	1	Cord-Electric Starter (only on: 38086)

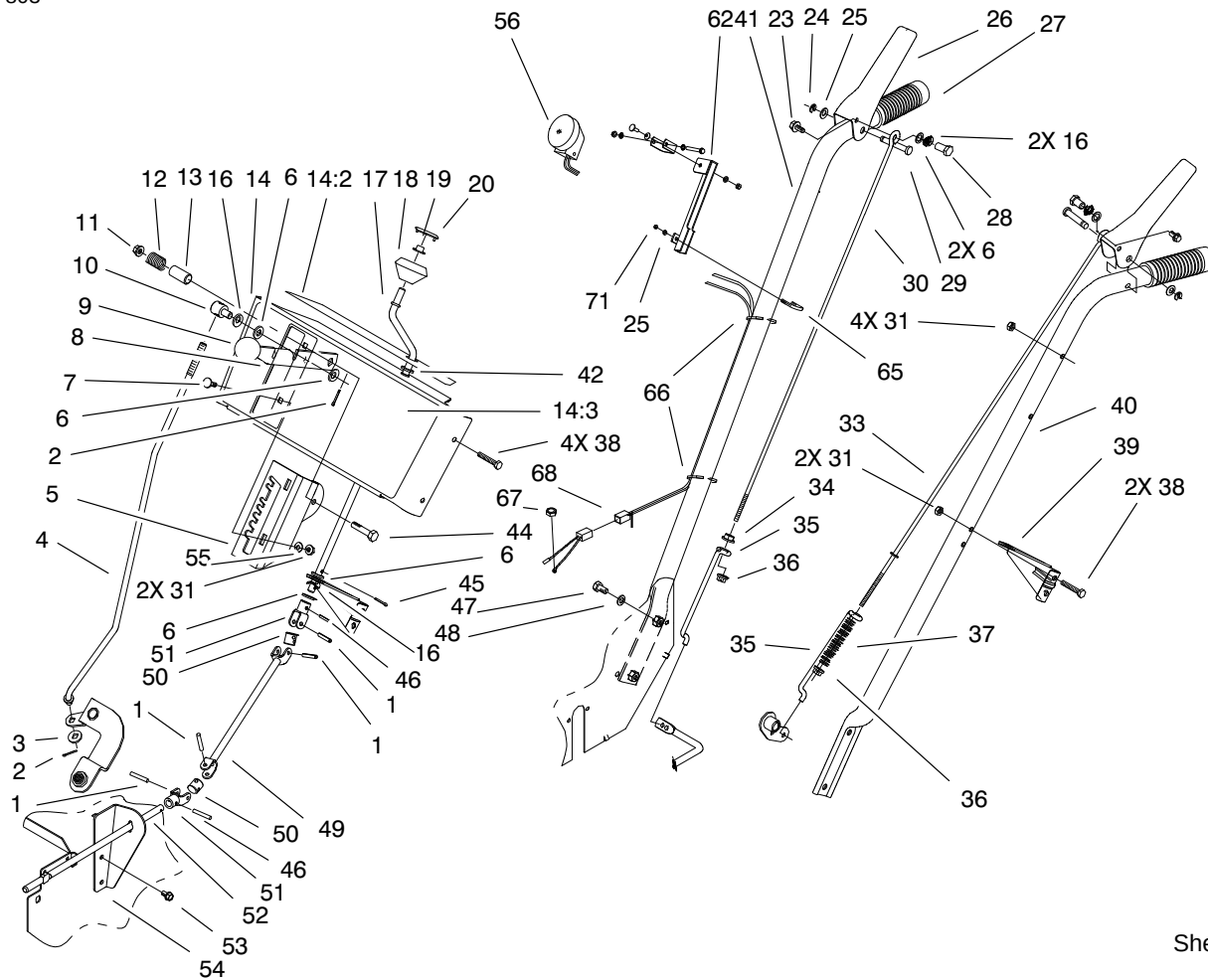
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Handle & Controls Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32121-16	4	Pin-Spring	14:3	93-8034	1	Decal – Control Panel (only on: 38066)
2	3272-4	2	Pin-Cotter	16	612586	4	Washer-Spring
3	3256-38	1	Washer-Flat	17	94-8810	1	Rod – Chute Crank
4	94-9875	1	Rod – Shift	18	62-1320	1	Knob-Control, Chute
5	99-1799-03	1	Mount-Speed Selector (only on: 38086)	19	3290-320	1	Retainer-Push On
6	3256-24	6	Washer-Flat	20	62-1520	1	Cover-Knob
7	3229-11	2	Screw-CARR	21	3234-13	2	Screw-HHF (only on: 38086)
8	94-8806-03	1	Selector-Speed	23	3234-13	2	Screw-HHF (only on: 38066)
9	233-21	1	Knob	24	32151-73	2	Ring-Clip
10	101161	1	Trunion	25	3256-23	2	Washer-Flat (only on: 38086)
11	32128-13	1	Nut-Hex Flange	26	63-3640	2	Handle-Control
12	37-9150	1	Spring	27	74-1360	2	Handle-Grip
13	40-8130	1	Spacer	28	47-4990	2	Post-Linkage Mounting
14	100-3573	1	Control Panel ASM (only on: 38066)	29	52-5600	2	Pin-Lever, Control
14	100-3572	1	Control Panel ASM (only on: 38086)	30	94-8838	1	Rod-Upper Engage Auger
14:2	99-5952	1	Decal-Escutcheon Back (Dom) (only on: 38086)	31	3296-42	6	Nut-Lock Ni
14:2	99-5953	1	Decal-Escutcheon Back (Intl) (only on: 38066)	33	94-8837	1	Rod – Upper Traction
14:3	100-3340	1	Decal – Control Panel (only on: 38086)	34	32128-33	1	Nut-Hex Flange
				35	94-8836	2	Rod – Lower Traction
				36	32128-32	2	Nut-Hex, Flange

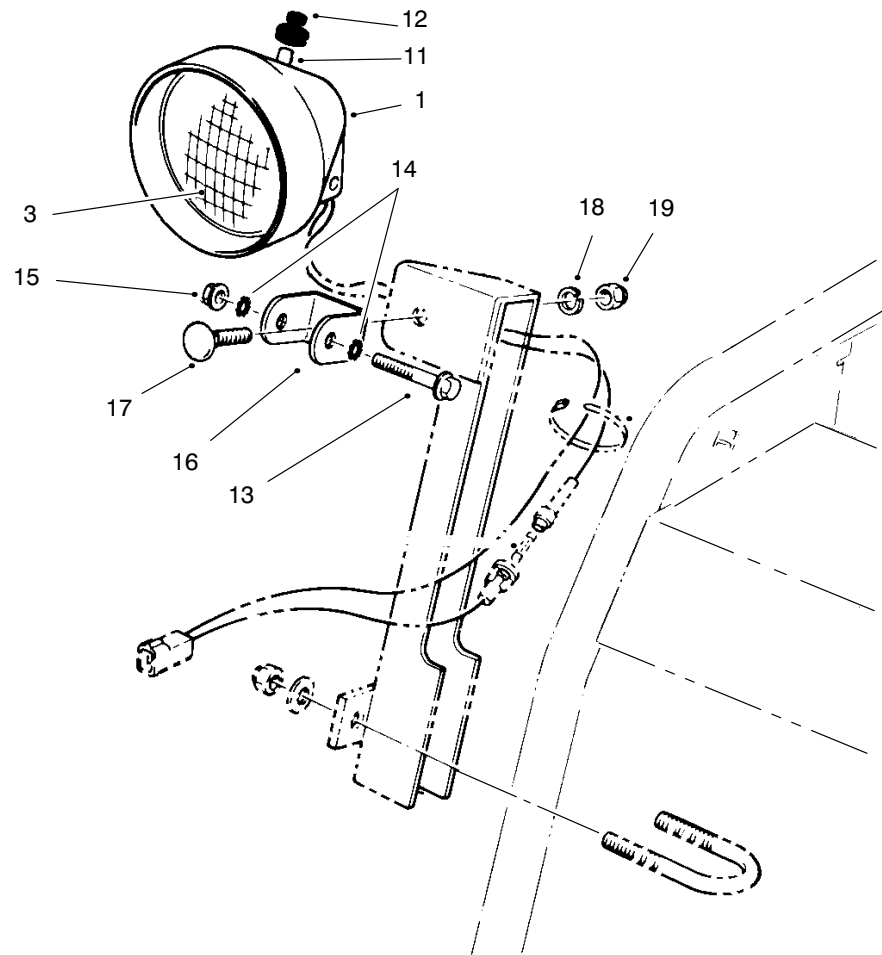


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Handle & Controls Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
37	38-4520	1	Spring
38	321-9	6	Screw-HH
39	94-8839-03	1	Bkt-Upper Crank
40	95-2695-03	1	Left Handle
41	94-8804-03	1	Handle-Right
42	256-249	1	Bushing
44	322-7	1	Screw-HH
45	3272-9	1	Pin-Cotter
46	32121-50	2	Pin-Spring
47	32144-14	4	Screw-HWH
48	3290-456	4	Washer-Belleville
49	94-8834	1	Wa - Clevis Rod
50	94-8867	2	Block - Pivot
51	94-8868	2	Wa - Clevis Mount
52	94-8809	1	Rod - Chute Control
53	32144-4	1	Screw-HH
54	94-8840-01	1	Brkt-Lower Crank Rod (Red)
55	3256-22	2	Washer-Flat
56	54-9871	1	Headlamp ASM (only on: 38066)
62	68-7110-03	1	Mount-Light (only on: 38066)
65	68-7140	1	U-Bolt (only on: 38066)

Ref. No.	Part No.	Qty.	Description
66	3290-378	2	Tie-Cable (only on: 38066)
67	3217-6	1	Nut-Hex (only on: 38066)
68	54-9810	1	Wire Assembly (only on: 38066)
71	3296-29	2	Nut-Lock Ni (only on: 38066)



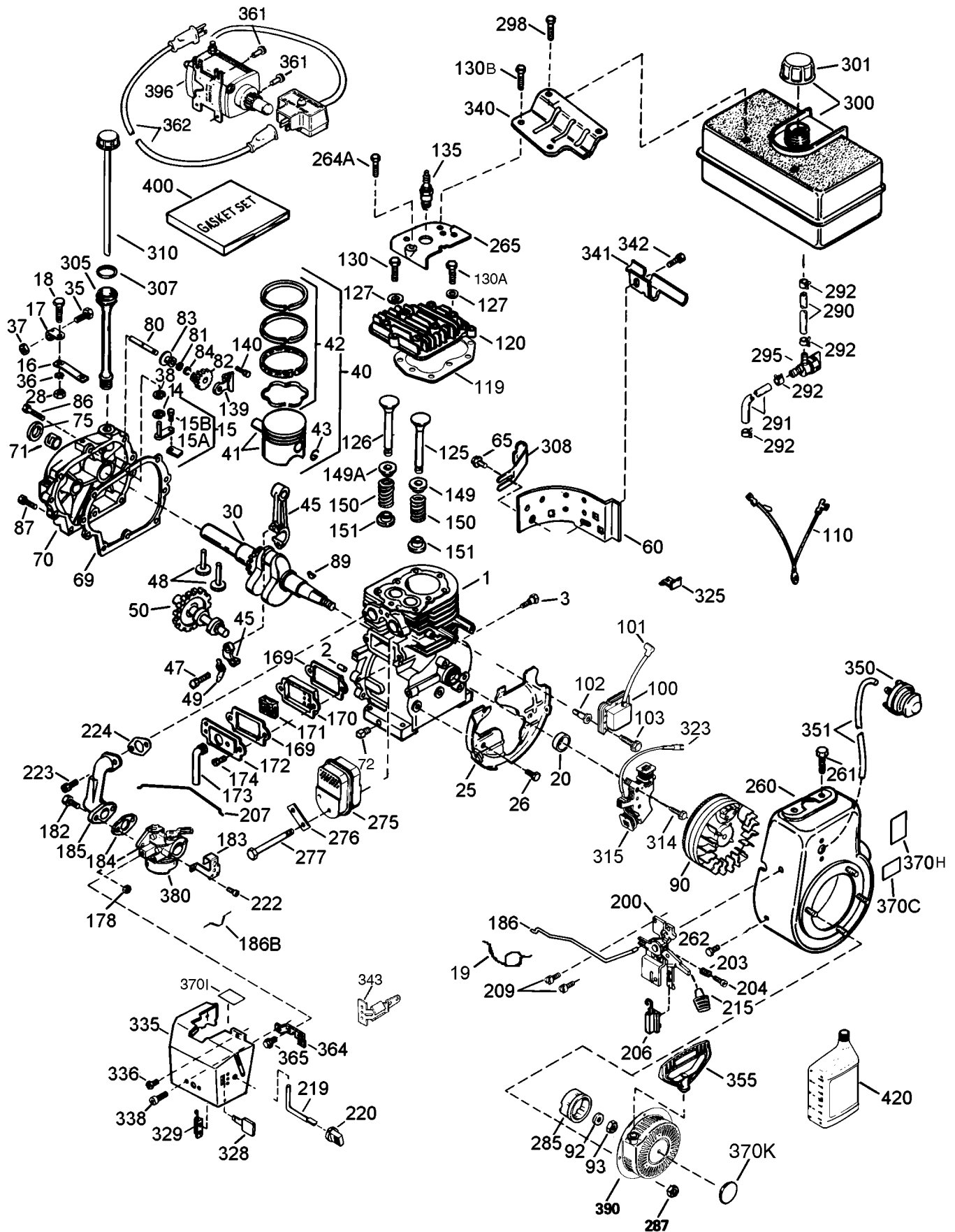
Sheet No.:A2

Headlamp Assembly

Ref. No.	Part No.	Qty.	Description
1	218-552	1	Bucket-Headlamp (only on: 38066)
3	218-16	1	Beam-Sealed (only on: 38066)
11	218-553	1	Switch ASM (only on: 38066)
12	92-6033	1	Boot-Switch (only on: 38066)
13	322-13	1	Screw-HH (only on: 38066)
14	3255-8	2	Washer-Lock/Ext (only on: 38066)
15	32128-35	1	Nut-Hex, Flange (only on: 38066)
16	218-556	1	Bracket (only on: 38066)
17	3231-22	1	Screw-CARR (only on: 38066)
18	3253-21	1	Washer-Lock/Sp (only on: 38066)
19	3217-7	1	Nut-Hex (only on: 38066)

Ref. No.	Part No.	Qty.	Description

Engine Tecumseh Model # HMSK80-155672V (Model No. 38086 Only)



Obtain Parts From Tecumseh

Engine Tecumseh Model # HMSK80-155672V (Model No. 38086 Only)

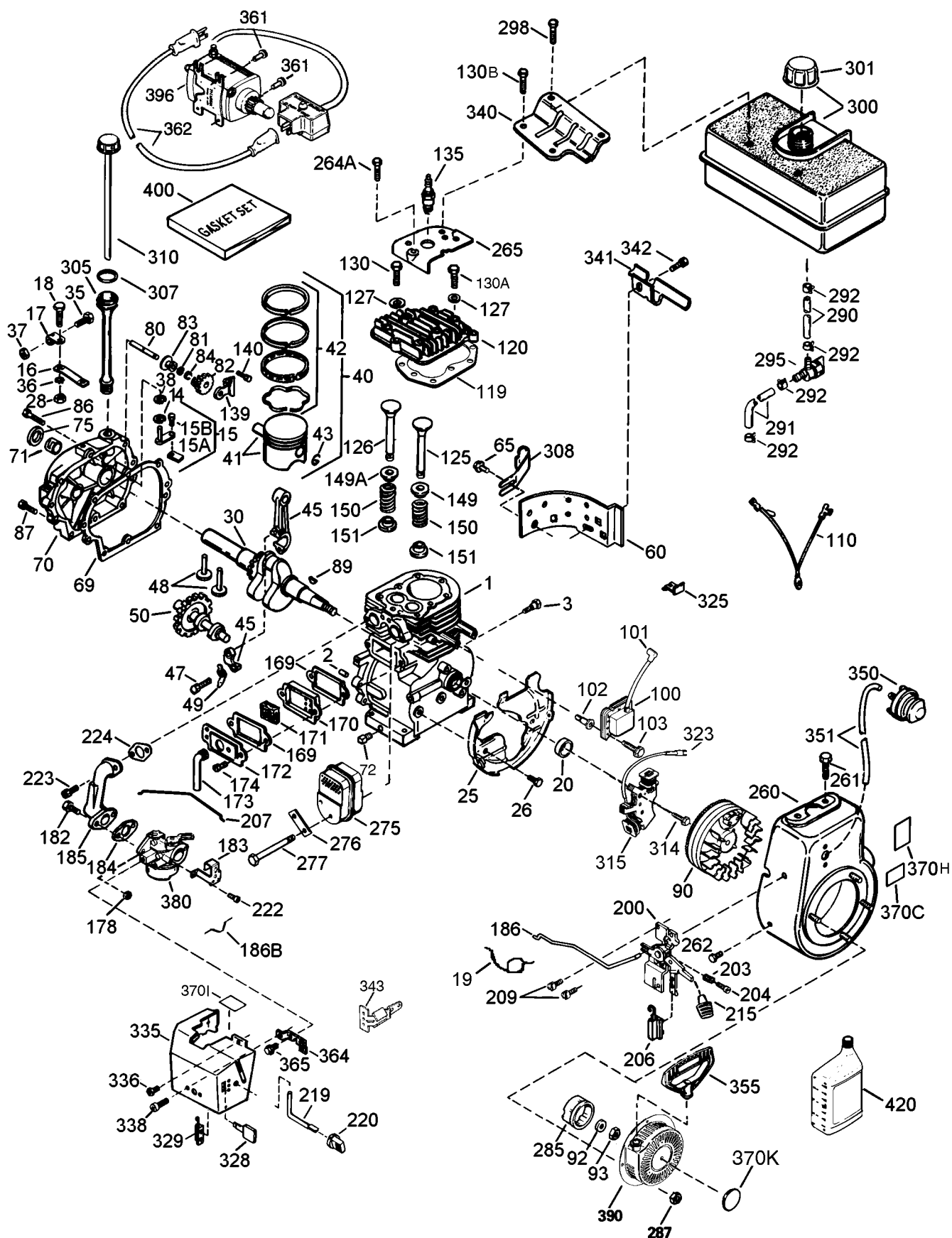
Ref. No.	Part No.	Description	No. Used
1	35385	Cylinder Asm (Incl. Ref. #2, 20, & 72)	1
2	27652	Dowel Pin	2
3	650820	Screw	2
14	28277	Washer	1
15	30699C	Governor (Incl. Ref. #15A & 15B)	1
15A	30700	Governor Yoke	1
15B	650494	Screw	1
16	33454	Governor Lever	1
17	29916	Governor Lever Clamp	1
18	651028	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
65	650128	Screw	1
*69	35262A	Cylinder Cover Gasket	1
70	35376	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 (Incl. Ref. #81)	1

Ref. No.	Part No.	Description	No. Used
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	35187	Ground Wire	1
110A	37047	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
130	6021A	Screw	7
130A	650727	Screw	2
130B	651055	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

† Obtain parts from Tecumseh

* Included in Gasket Set 36450

Engine Tecumseh Model # HMSK80-155672V (Cont.) (Model No. 38086 Only)



Obtain Parts From Tecumseh

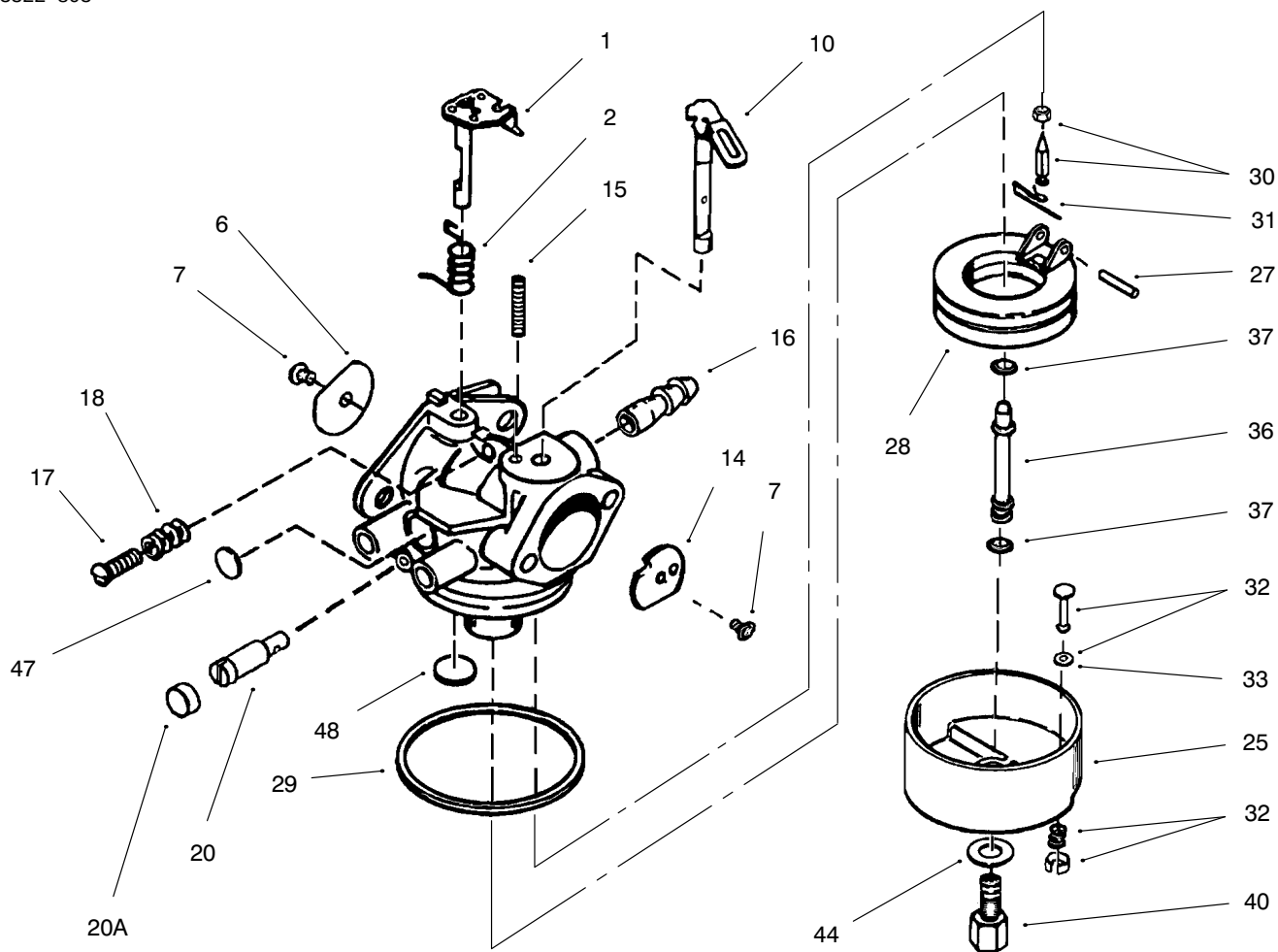
Engine Tecumseh Model # HMSK80-155672V (Cont.) (Model No. 38086 Only)

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
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
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	35440	Fill Tube Clip	1

Ref. No.	Part No.	Description	No. Used
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
328	35062	Ignition Key	2
329	610973	Terminal	1
335	35057A	Carburetor Cover	1
336	650765	Screw	1
338	28942	Screw	2
340	34154	Fuel Tank Bracket	1
341	34155	Fuel Tank Bracket	1
342	650561	Screw	1
343	35079	Key Switch Bracket	1
350	570682A	Primer Bulb	1
351	32180C	Primer Line	1
355	590574	Starter Handle	1
361	650990	Screw, Torx T-30	2
362	32450B	Extension Cord	1
364	33377	Carburetor Cover Bracket	1
365	650767	Screw	2
370C	36501	Primer Decal	1
370H	35077	Coke Decal	1
370I	37119	Warning Decal	1
370K	36695	Starter Decal	1
380	640052	Carburetor (Incl. Ref. #184)	1
390	590749	Rewind Starter	1
396	33329E	Electric Starter Motor	1
396	33329E	Electric Starter Motor, (110 Volt)	1
400	36450A	Gasket Set	1
420	730226A	SAE 5W30 4-Cyc. Eng. Oil	1

† Obtain parts from Tecumseh

* Included in Gasket Set 36450

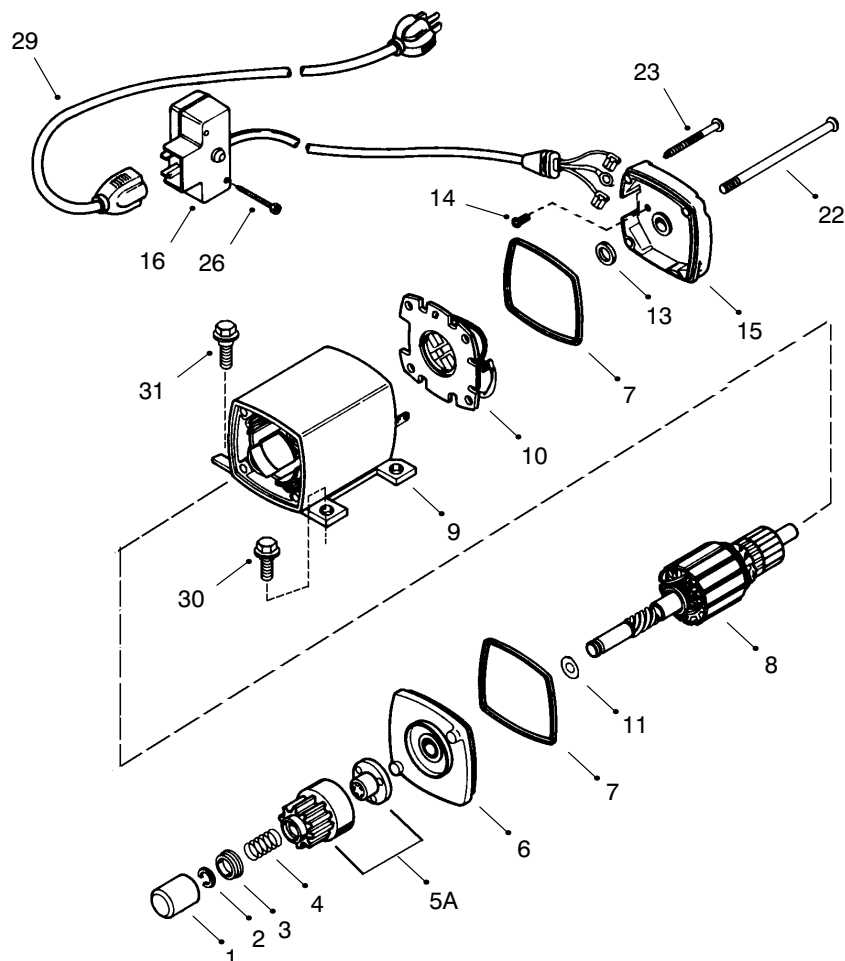


Carburetor Tecumseh No. 640052 (Model No. 38086 Only)

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
20A	640053	Idle Restrictor Screw Cap	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
60	632760	Repair Kit	1

Obtain Parts From Tecumseh

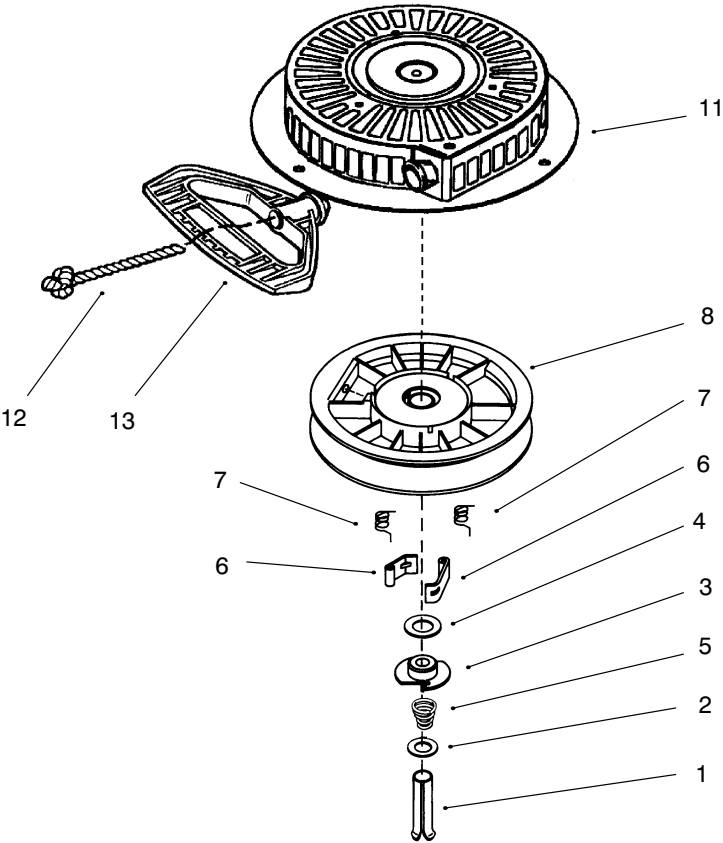


Electric Starter No. 33329E (110 Volt) (Model No. 38086 Only)

Ref. No.	Part No.	Description	No. Used
1	33451	Dust Cover	1
2	33842	Retaining Ring	1
3	33430	Spring Retainer	1
4	33431	Anti-drift Spring	1
5A	37050	Gear & 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 ASM	1
10	35452A	Brush Card ASM	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 ASM	1
22	35455	Case Bolt	2
23	35456	Ground Screw	1
26	650819	Screw	2
26	651032	Screw	2
29	32450B	Extension Cord	1
30	30063	Screw - Torx	2
31	650820	Screw	2

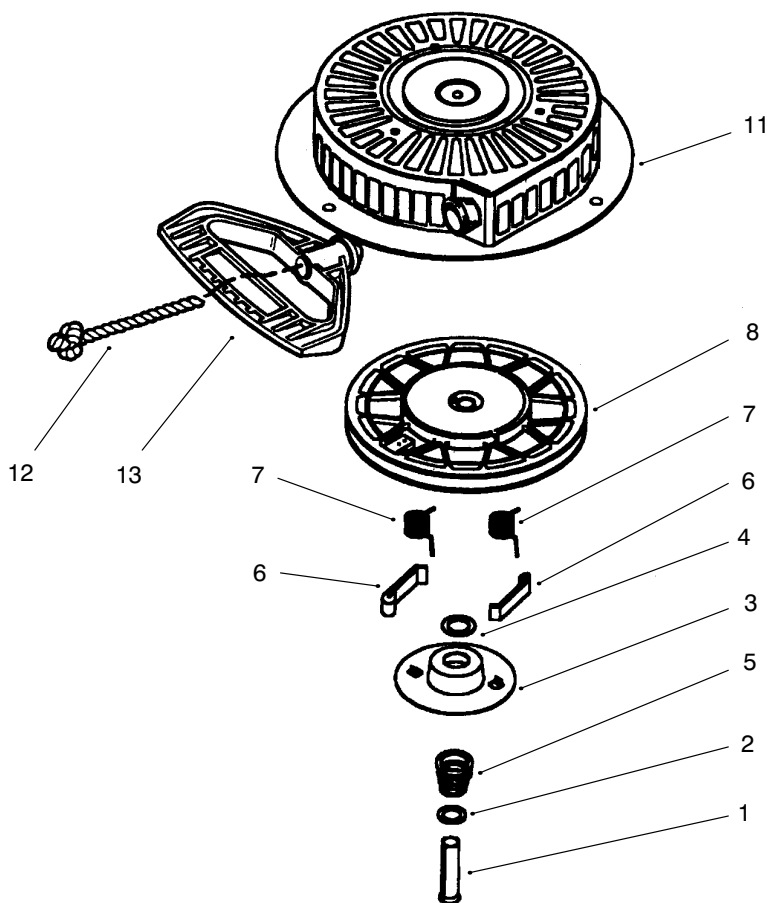
Obtain Parts From Tecumseh



Recoil Starter No. 590749 (Model No. 38086 Only)

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

Obtain Parts From Tecumseh

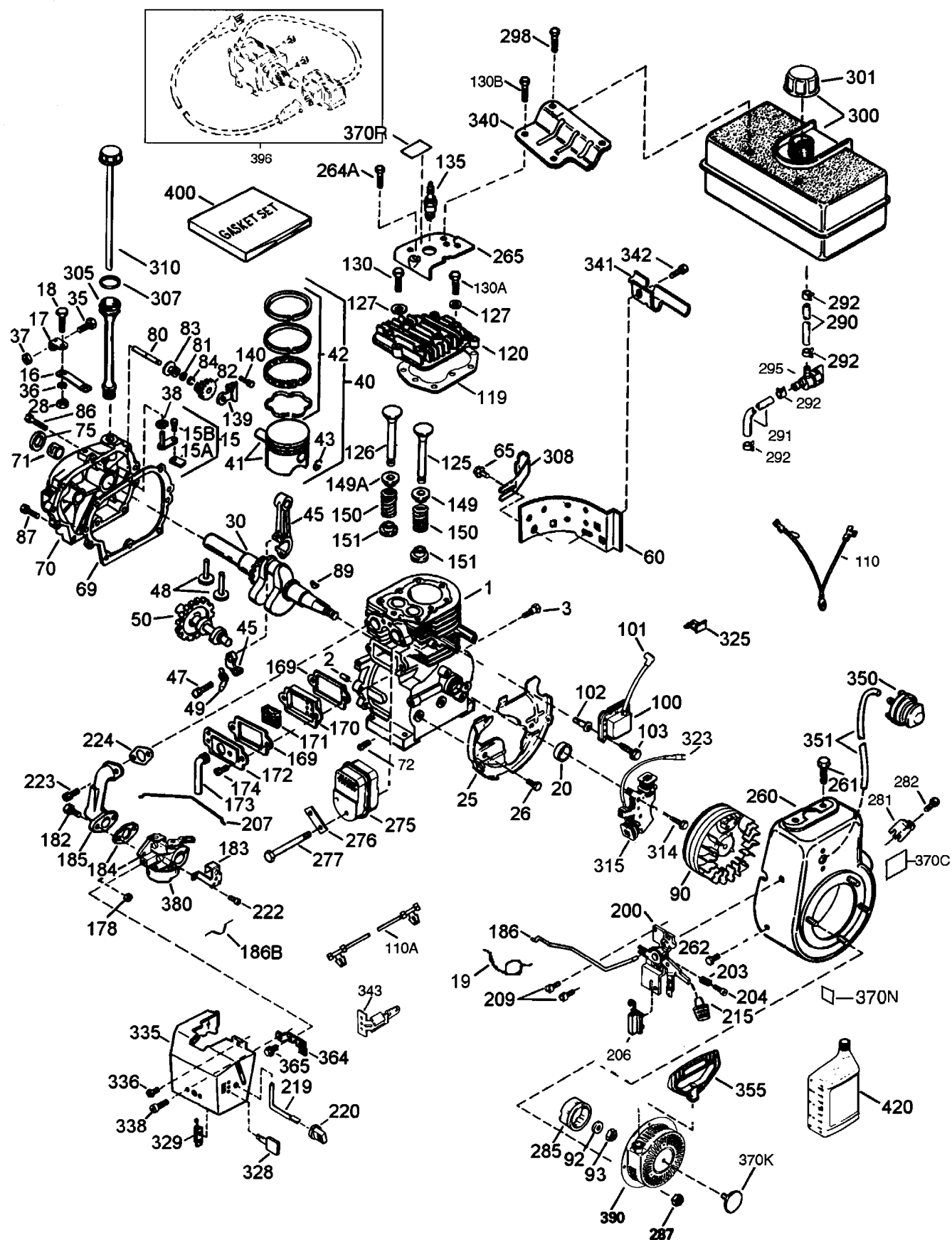


Recoil Starter No. 590733 (Optional) (Model No. 38086 Only)

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

Obtain Parts From Tecumseh

Engine Tecumseh Model # HMSK80-155645V (Model No. 38066 Only)



Engine Tecumseh Model # HMSK80 – 155645V (Model No. 38066 Only)

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
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
65	650128	Screw	1
*69	35262A	Cylinder Cover Gasket	1
70	35376	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 (Incl. Ref. #81)	1
83	30588A	Governor Spool	1

Ref. No.	Part No.	Description	No. Used
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	35187	Ground Wire	1
110A	37047	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
130	6021A	Screw	7
130A	650727	Screw	2
130B	651055	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

† Obtain parts from Tecumseh

* Included in Gasket Set 36450



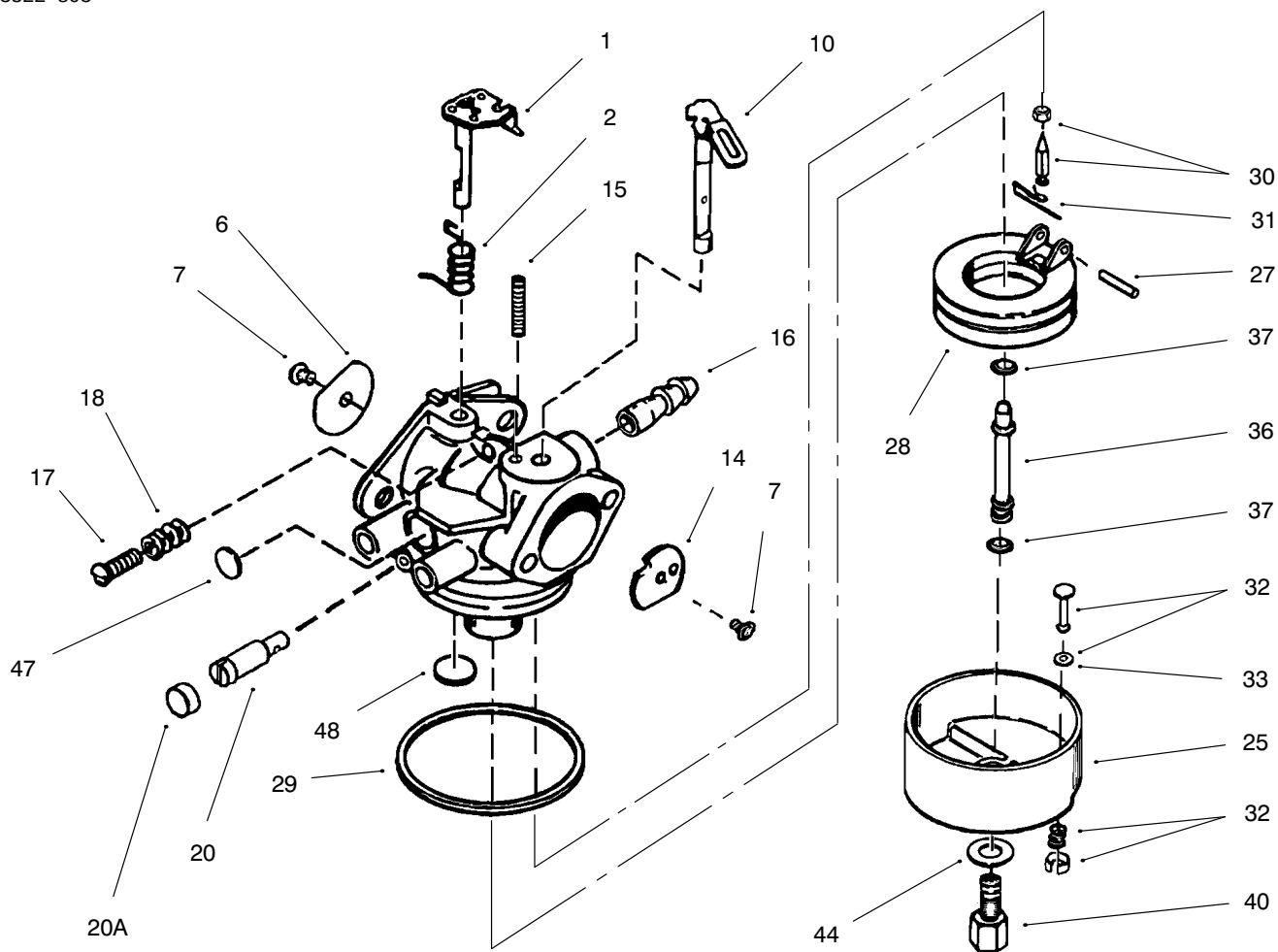
Engine Tecumseh Model # HMSK80-155645V (Cont.) (Model No. 38066 Only)

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
300	34156A	Fuel Tank (Incl. Ref. #292 & 301)	1
301	36246	Fuel Cap	1

Ref. No.	Part No.	Description	No. Used
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
328	35062	Ignition Key	2
329	610973	Terminal	1
335	35057A	Carburetor Cover	1
336	650765	Screw	1
338	28942	Screw	2
340	34154	Fuel Tank Bracket	1
341	34155	Fuel Tank Bracket	1
342	650561	Screw	1
343	35079	Key Switch Bracket	1
350	570682A	Primer Bulb	1
351	32180C	Primer Line	1
355	590574	Starter Handle	1
364	33377	Carburetor Cover Bracket	1
365	650767	Screw	2
370C	36501	Primer Decal	1
370K	36695	Starter Decal	1
370N	35077	Bilingual Decal	1
370R	37119	Warning Decal	1
380	640052	Carburetor (Incl. Ref. #184)	1
390	590749	Rewind Starter	1
396	37000	Electric Starter Motor, 120 Volt (Optional)	1
400	36450A	Gasket Set	1
420	730226	SAE 5W30 4-Cyc. Eng. Oil	1

† Obtain parts from Tecumseh

* Included in Gasket Set 36450

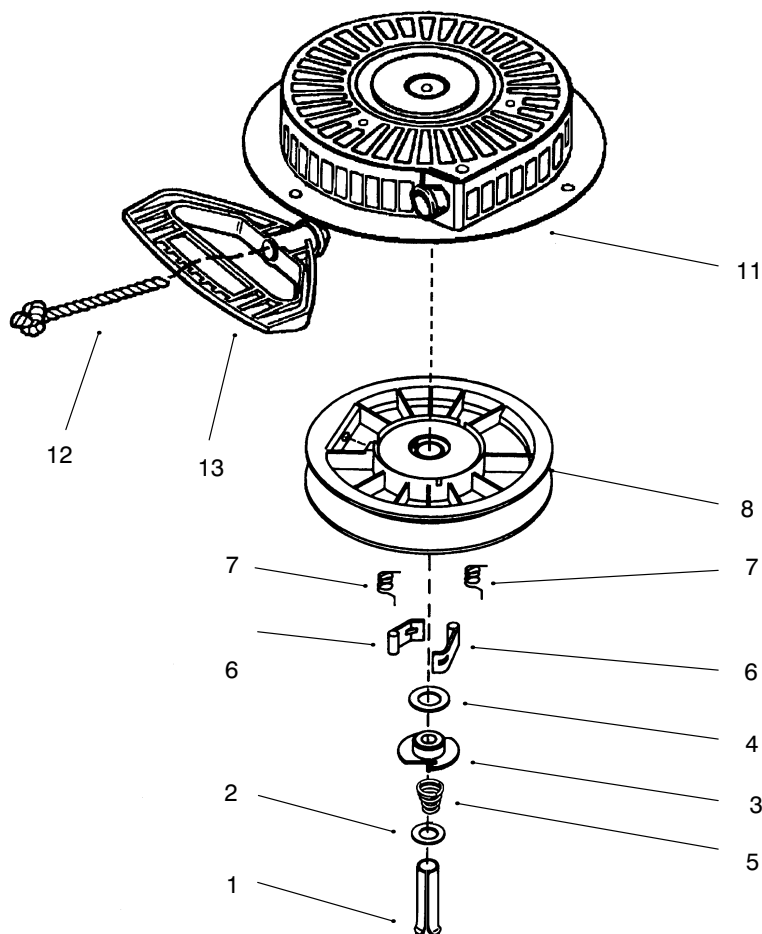


Carburetor Tecumseh No. 640052 (Model No. 38066 Only)

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
20A	640053	Idle Restrictor Screw Cap	1
21	640053	Cap – Screw Idler Adj.	1
25	631951	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	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 No. 590749 (Model No. 38066 Only)

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

† Obtain parts from Tecumseh

‡ Not included with starter

