Form Number 3322-802 Rev A

824 Snowthrower

Model No. 38053 - 200000001 and up.
Model No. 38078 - 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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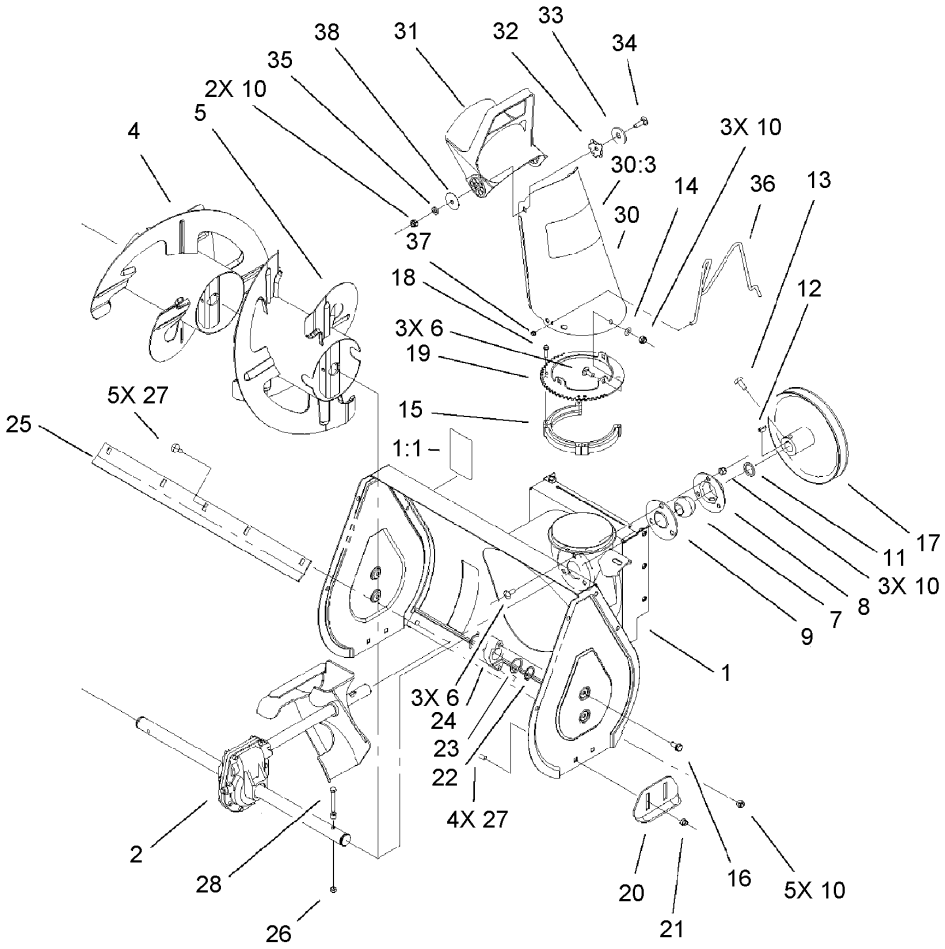
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
DEG. . . . . degrees
EXT. . . . . external
FH. . . . . flat head
GA. . . . . gauge
HD. . . . . heavy-duty
HF. . . . . hex flange
HH. . . . . hex head
HHF. . . . . hex head flange
HHFTF. . . . . hex head flange thread forming
HJ. . . . . hex jam
HLH. . . . . hex lag head
HOC. . . . . height-of-cut
HSBH. . . . . hex socket button head
HSFH. . . . . hex socket flat head
HSH. . . . . hex socket head
HWH. . . . . hex washer head
HWHTF. . . . . hex washer head thread forming
HYD. . . . . hydraulic
LH. . . . . left hand
NI. . . . . nylon insert
NPTF. . . . . national pipe thread fine
PFH. . . . . phillips flat head
PPH. . . . . phillips pan head
PPHTF. . . . . phillips pan head thread forming
PRH. . . . . phillips round head
PTH. . . . . phillips truss head
PTO. . . . . power-take-off
RH. . . . . right hand
ROPS. . . . . roll-over protection system
SFH. . . . . slotted fillister head
SHH. . . . . slotted hex head
SHWH. . . . . slotted hex washer head
SPH. . . . . slotted pan head
SQH. . . . . square head
SRH. . . . . slotted round head
STD. . . . . standard
TAP. . . . . self tapping
TTH. . . . . torx truss head

Footnotes

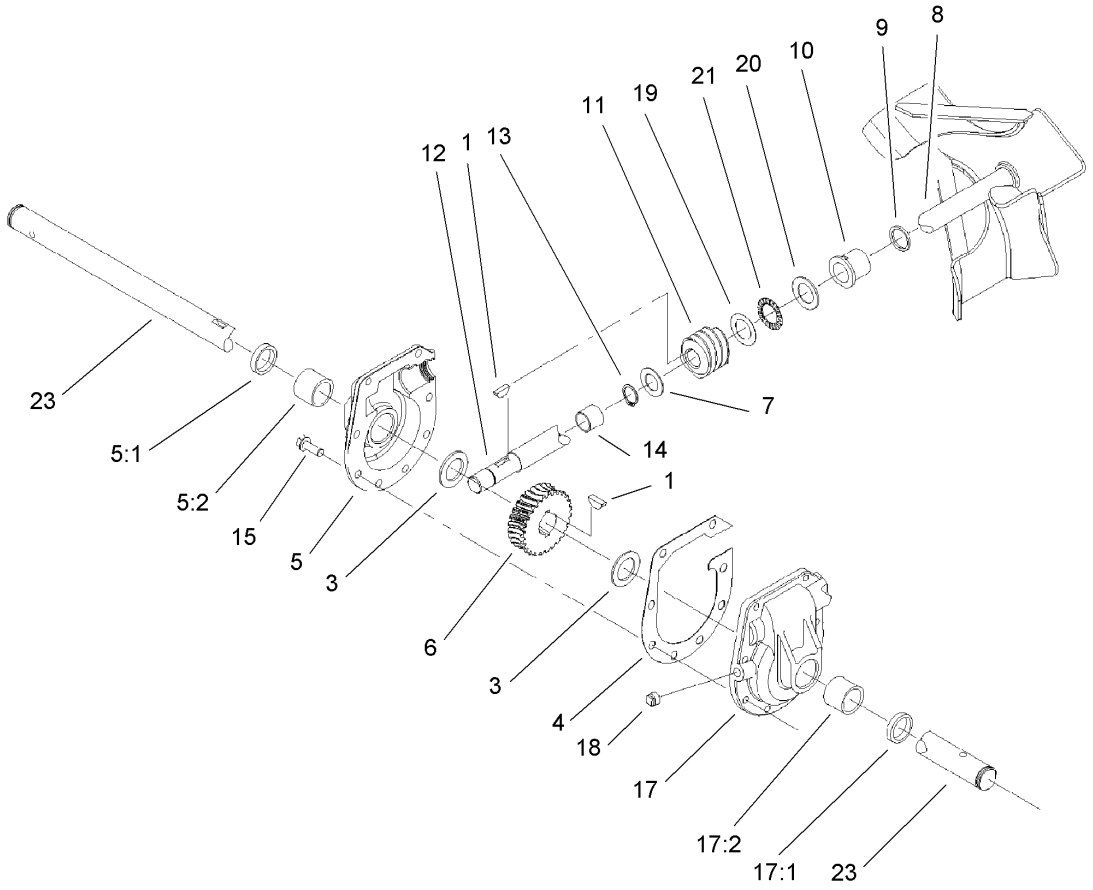
❶ Not illustrated
❷ Not serviced separately
❸ Not Included with Starter
❹ Obtain from your local Tecumseh dealer
❺ Included in Gasket Set 36450A



Auger and Housing Assembly

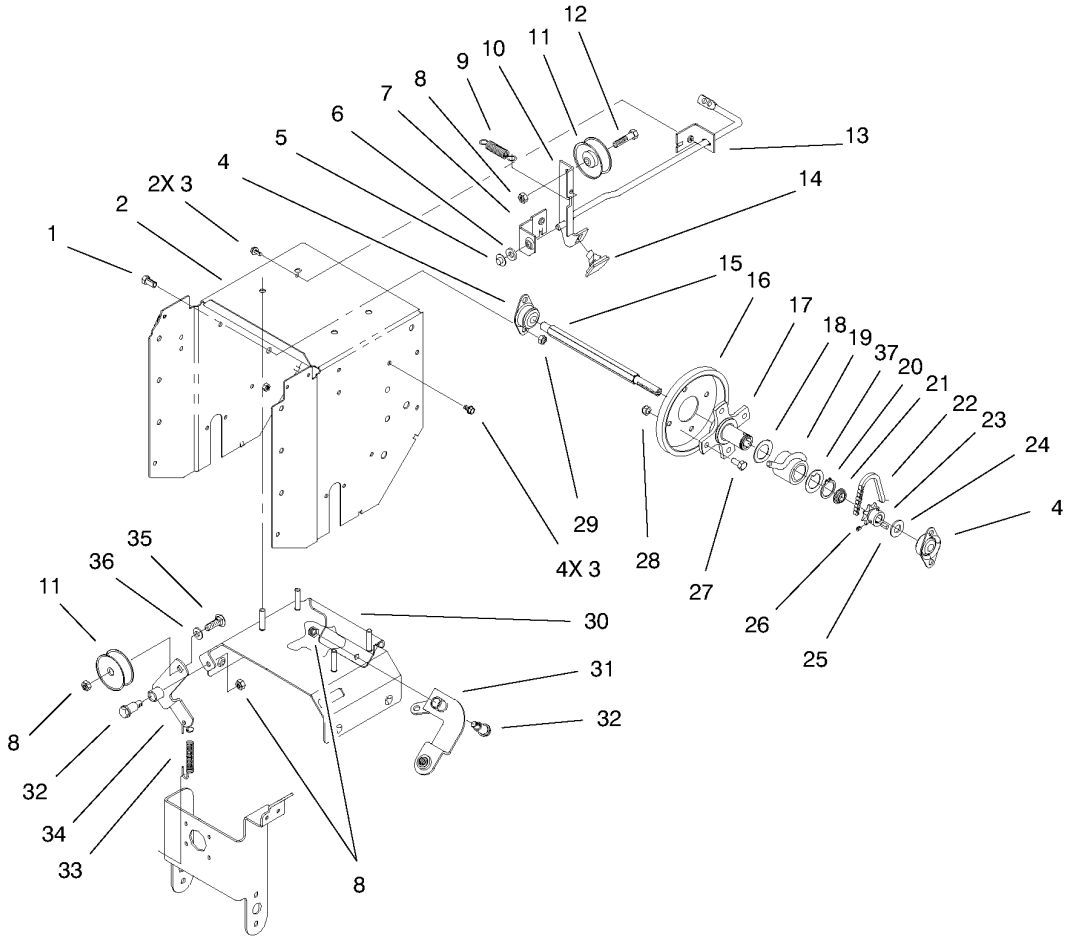
Ref	Part No.	Qty.	Description
1	100-5498	1	Auger Housing ASM (Only On: 38078)
1	100-5496	1	24 Inch Auger Housing ASM (Only On: 38053)
1:1	53-7670	1	Decal-Warning, Auger (Only On: 38078)
1:1	94-2568	1	Decal-Warning, Auger (Only On: 38053)
2	95-2674	1	Gear Case ASM
4	74-1600-03	1	24 Inch RH Auger ASM
5	74-1590-03	1	24 Inch LH Auger ASM
6	3230-18	6	Screw-CARR
7	63-3450	1	Bearing-Ball
8	26-6110	1	Flange-Cup, Bearing
9	26-6120	1	Flange-Cup, Bearing
10	3296-29	13	Nut-Lock, NI
11	3-0737	1	Washer
12	3257-23	1	Key-Woodruff
13	3242-4	2	Screw-Set, SQH
14	3256-23	3	Washer-Flat
15	37-6490	3	Ring-Chute, Retainer
16	32144-70	4	Screw-HWHTF
17	95-2677	1	Pulley-Impeller
18	27-0220	6	Screw-Special
19	37-8941-03	1	Ring-Chute

Ref	Part No.	Qty.	Description
20	40-8160-01	2	Skid
21	32128-20	4	Nut-HF
22	32151-36	2	Ring-Retaining
23	5-1550	4	Washer
24	37-6550	2	Bearing-Auger
25	100-3555-01	1	Blade-Scraper, 24 Inch
26	3296-42	2	Nut-Lock, NI
27	3230-1	9	Bolt-CARR
28	321-10	2	Screw-HH
30	94-2792	1	Chute ASM (Only On: 38053)
30	94-2793	1	Chute ASM (Only On: 38078)
30:3	94-2558	1	Decal-Danger (Only On: 38053)
30:3	94-8079	1	Decal-Danger (Only On: 38078)
31	56-2680	1	Chute-Deflector
32	55-8950	2	Plate-Friction
33	20-4320	2	Washer-Rubber
34	3230-22	2	Screw-CARR
35	3290-456	2	Washer-Belleville
36	56-2670	1	Wire-Chute
37	3290-326	1	Nut-Push
38	3256-68	2	Washer-Flat



Gear Case Assembly No. 95-2674

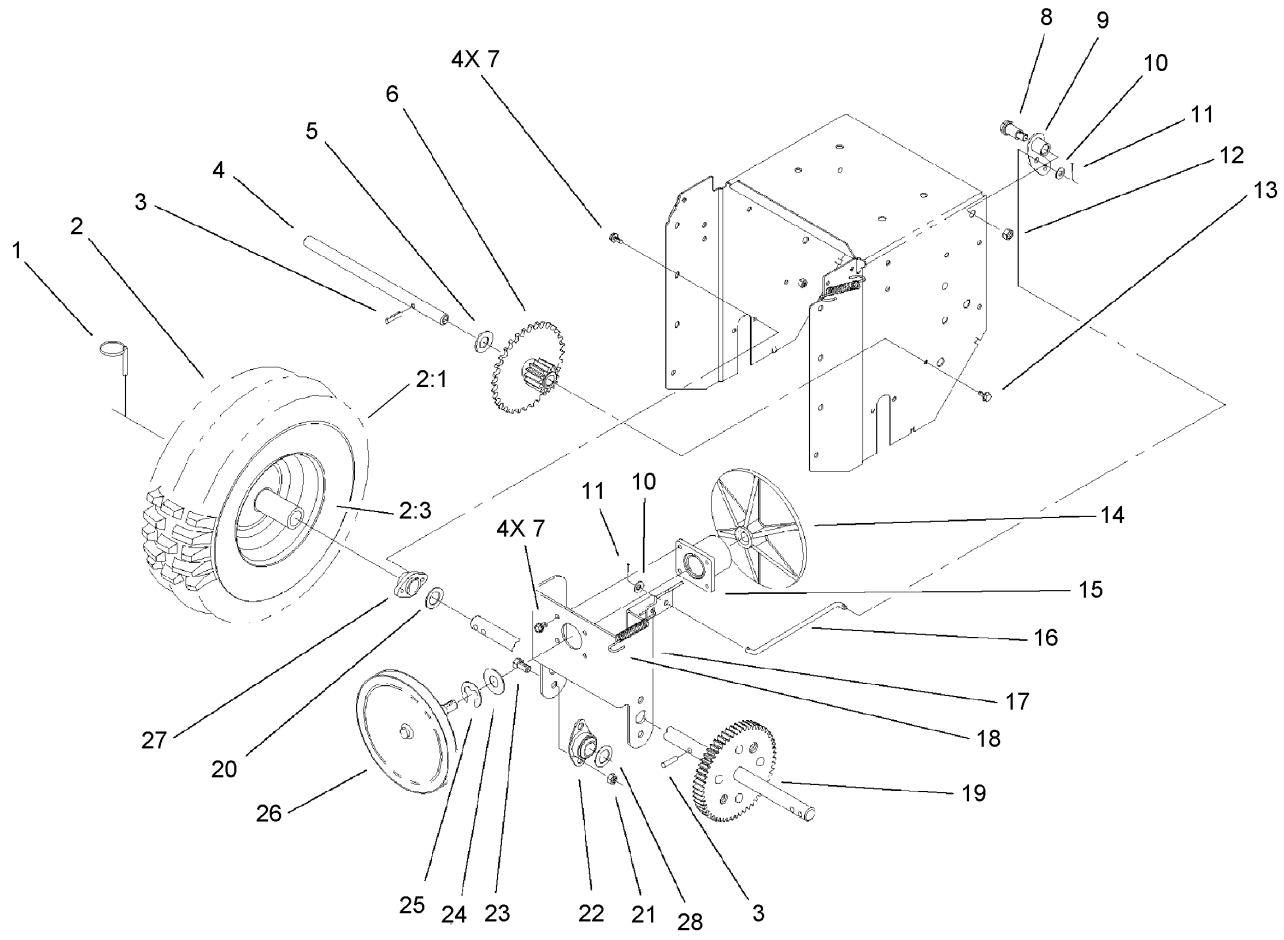
Ref	Part No.	Qty.	Description
1	3257-33	1	Key-Woodruff
3	252-71	2	Washer-Thrust
4	51-0460	1	Gasket-Case, Gear
5	14-2449	1	RH Bushing Case ASM
5:1	7-0045	1	Seal-Oil
5:2	256-237	1	Bushing
6	5-7180	1	Gear-Worm, 27T
7	3-8664	1	Washer-Thrust
8	95-2675-03	1	Impeller ASM
9	237-87	1	Ring-Quad
10	37-6560	1	Bushing-Input
11	5-7170	1	Gear
12	3257-23	1	Key-Woodruff
13	32120-72	1	Ring-Snap
14	256-32	1	Bushing
15	32144-41	8	Screw-Taptite
17	14-2459	1	LH Bushing Case ASM
17:1	7-0045	1	Seal-Oil
17:2	256-237	1	Bushing
18	281-1	1	Plug-Pipe, SQH
19	252-80	1	Washer-Thrust
20	257-3	1	Washer-Thrust
21	252-76	1	Bearing-Thrust
23	37-6801	1	Shaft-Auger



Upper Traction Assembly

Ref	Part No.	Qty.	Description
1	323-4	4	Screw-HH
2	95-6157-01	1	Frame-Traction ASM
3	32144-4	6	Screw-HWH
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	94-9942-03	1	Clutch-Auger
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	Slider Ring ASM
20	32151-36	1	Ring-Retaining
21	94-8862	1	Spacer
22	20-1810	1	Roller-Chain
22	2710-6	1	Link-Connecting (Only On: 38078)
❶22:1	2710-6	1	Link-Connecting (Only On: 38078)

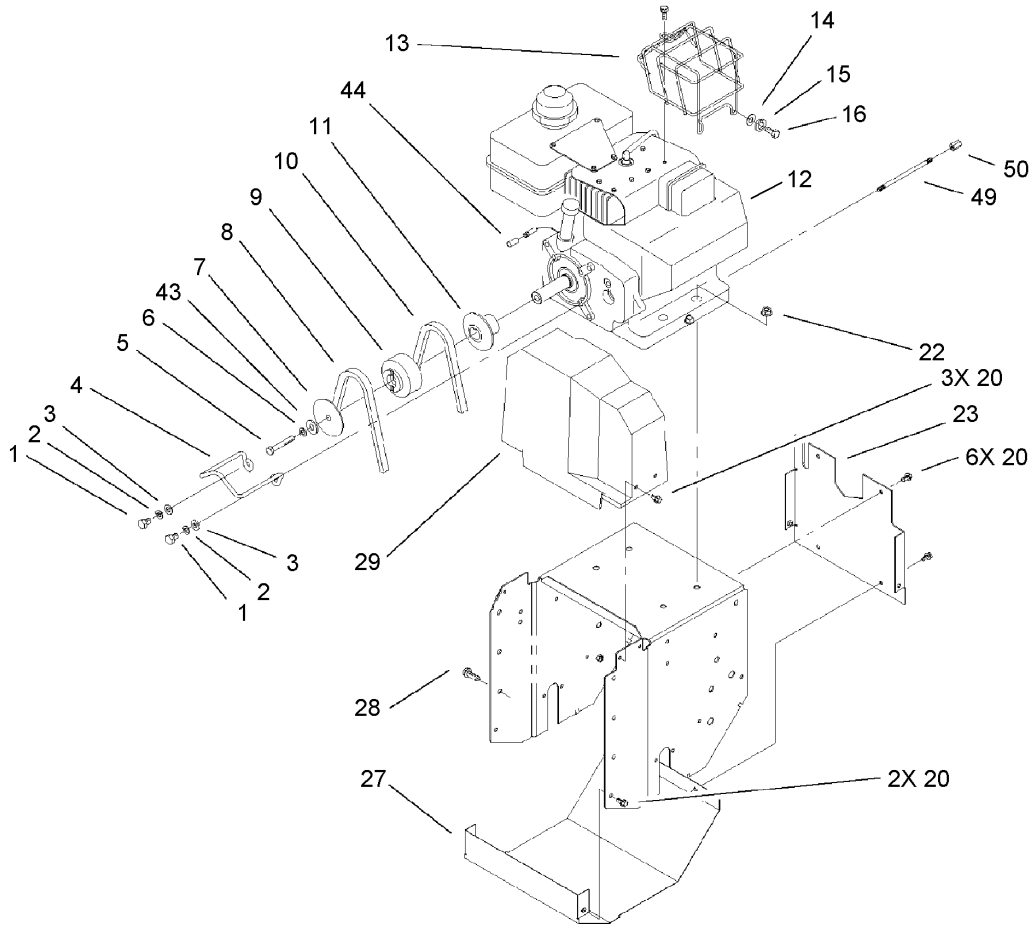
Ref	Part No.	Qty.	Description
23	5-9820	1	Sprocket
24	611878	1	Washer-Thrust
25	94-8850	1	Key-Square
26	3245-32	2	Screw-HSH
27	322-3	4	Screw-HH
28	3296-29	4	Nut-Lock, NI
29	3296-39	4	Nut-Lock, NI
30	94-8851-03	1	Brace ASM
31	99-9315	1	Shift Arm ASM
32	94-8859	2	Bolt-Shoulder
33	94-8870	1	Spring-Extension Idler
34	94-8864	1	Bracket-Idler Hub
35	3231-26	1	Screw-CARR
36	9202594	1	Washer
37	98-2252	1	Washer-Thrust



Lower Traction Assembly

Ref	Part No.	Qty.	Description
1	3290-243	2	Pin-Lynch
2	67-9221	2	Wheel And Tire ASM
2:1	231-120	1	Tire
❶2:2	232-46	1	Tube
2:3	241-131	1	Rim-Wheel
3	32121-9	4	Pin-Roll, Slotted
4	94-8814	1	Shaft-Intermediate
5	7-3590	1	Washer
6	94-8856	1	Gear/Bushing ASM
7	32144-4	8	Screw-HWH
8	94-8859	1	Bolt-Shoulder
9	94-8822	1	Hub-Pivot
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	Bearing Hub ASM
16	94-8818	1	Rod-Engage
17	94-8833-03	1	Frame-Friction Plate
18	94-8813	1	Spring-Engage
19	94-8855	1	Axle
20	3-8664	2	Washer-Thrust
21	3296-39	4	Nut-Lock, NI

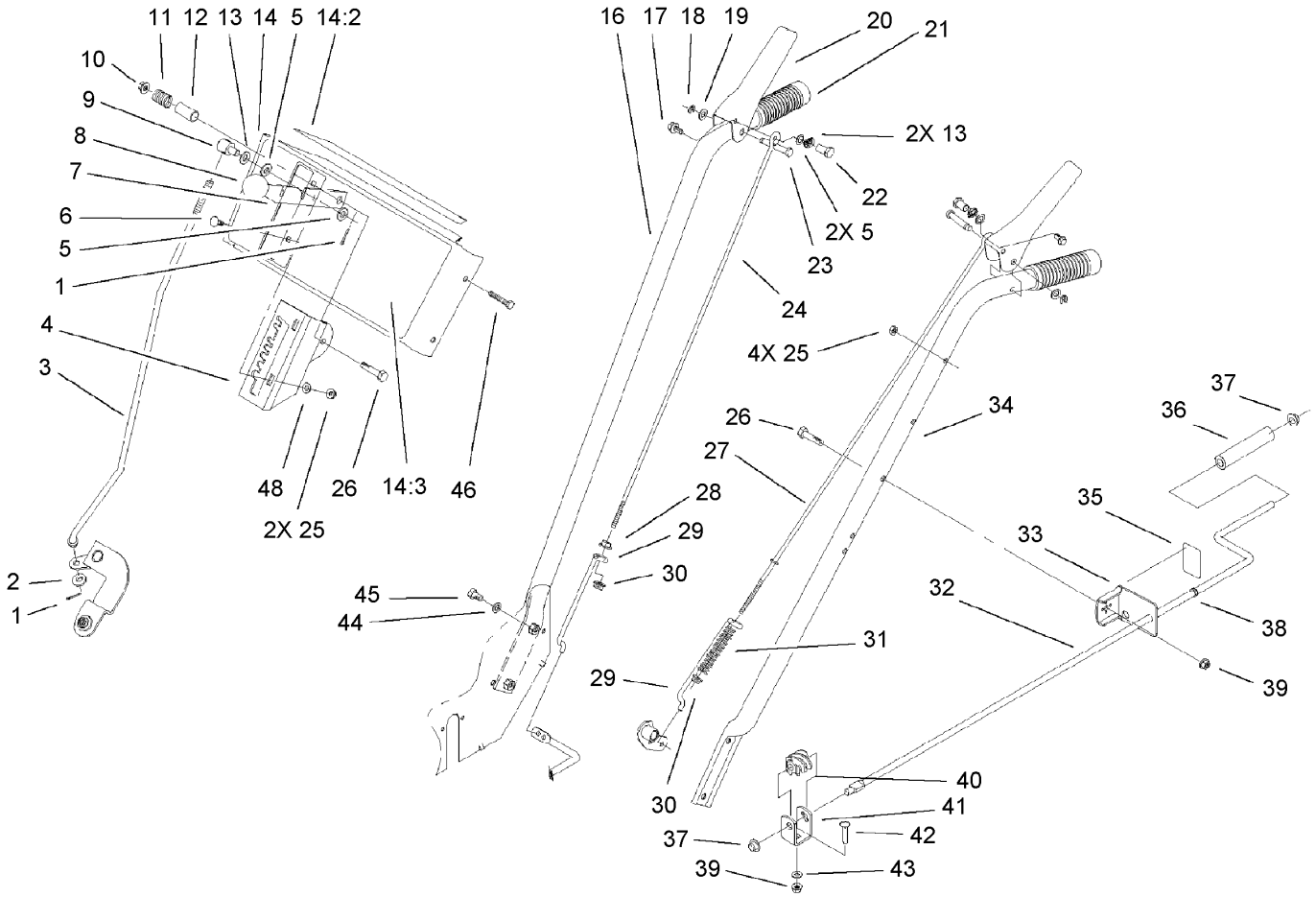
Ref	Part No.	Qty.	Description
22	68-2970	2	Bushing
23	323-4	4	Screw-HH
24	252-80	1	Washer-Thrust
25	32151-103	1	Ring-Snap
26	94-8823	1	Pulley/Shaft ASM
27	37-6850	2	Bearing-Axle
28	3-6498	2	Washer-Thrust



Engine and Frame Assembly

Ref	Part No.	Qty.	Description
1	3210-3	2	Screw-HH
2	3253-4	2	Washer-Lock
3	3256-23	2	Washer-Flat
4	95-7917	1	Guide-Belt
5	3212-8	1	Screw-HH
6	3253-6	1	Washer-Lock
7	62-0940	1	Sheave-Half, Impeller
8	26-9671	1	Belt V
9	94-8849	1	Pulley-Engine Center
10	94-8812	1	V Belt-Traction
11	62-0920	1	Sheave-Half, Traction
❷❹12		1	Engine-Tecumseh, Hmsk80-155672V (Only On: 38078)
❶12:3	99-9300	1	Cord-Extension (Only On: 38078)
❷❹12		1	Engine-Tecumseh, Hmsk80-155645V (Only On: 38053)
13	94-2763	1	Guard-Muffler (Only On: 38053)
14	3256-49	2	Washer-Flat (Only On: 38053)
15	3253-17	2	Washer-Lock (Only On: 38053)
16	93-8048	2	Screw (Only On: 38053)
20	32144-4	11	Screw-HWH
22	32128-20	4	Nut-HF
23	95-6156-01	1	Plate-Back
27	94-8844-01	1	Cover-Bottom

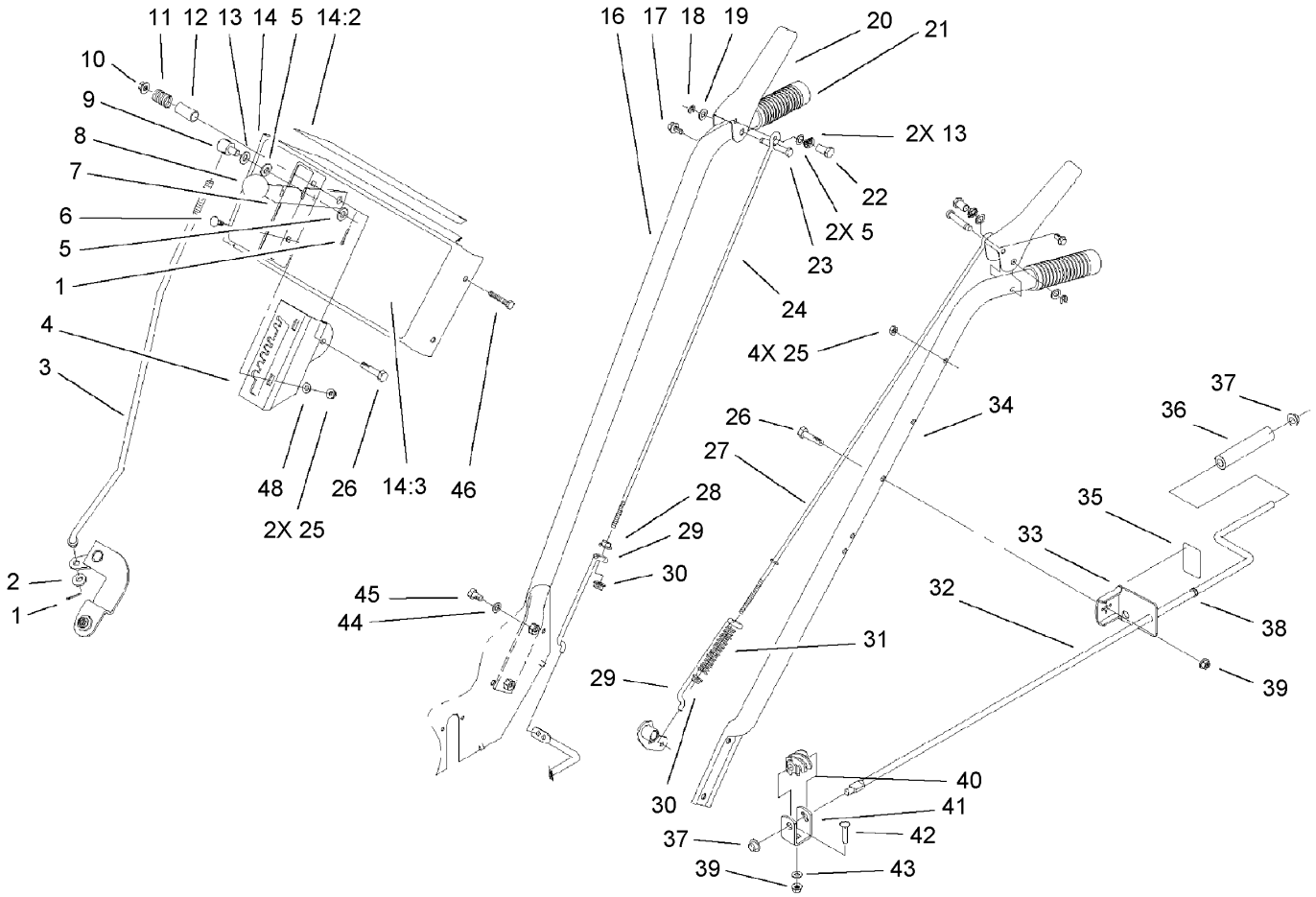
Ref	Part No.	Qty.	Description
28	32144-14	6	Screw-HWH
29	94-8802	1	Cover-Upper Belt
43	3256-41	1	Washer
44	94-2782	1	Cap-Wire, Lite
49	289-34	1	Nipple-Pipe
50	288-2	1	Cap-Pipe



Handle and Control Assembly

Ref	Part No.	Qty.	Description
1	3272-4	2	Pin-Cotter
2	3256-38	1	Washer-Flat
3	94-9875	1	Rod-Shift
4	99-1799-03	1	Mount-Speed Selector
5	3256-24	4	Washer-Flat
6	3229-11	2	Screw-CARR
7	94-8806-03	1	Selector-Speed
8	233-21	1	Knob
9	101161	1	Trunnion
10	32128-13	1	Nut-HF
11	37-9150	1	Spring
12	40-8130	1	Spacer
13	612586	3	Washer-Spring
14	100-3570	1	Control Panel ASM (Only On: 38078)
14	100-3571	1	Control Panel ASM (Only On: 38053)
14:2	100-3412	1	Decal-Escutcheon Back (Only On: 38078)
14:2	100-3411	1	Decal-Escutcheon Back (Only On: 38053)
14:3	100-3564	1	Decal-Control Panel (Only On: 38053)
14:3	100-3341	1	Decal-Control Panel (Only On: 38078)
16	94-8804-03	1	Handle-Right

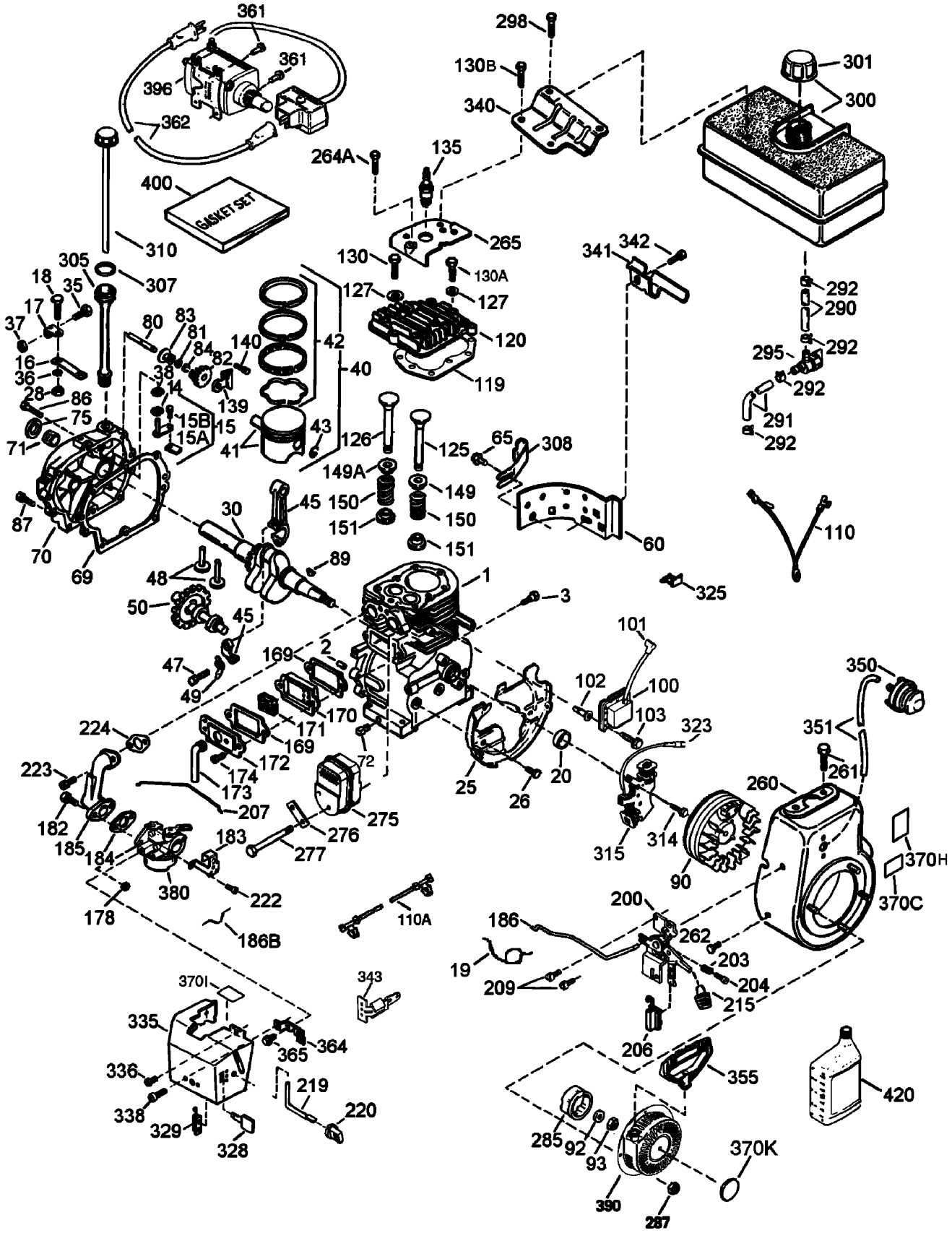
Ref	Part No.	Qty.	Description
17	3234-13	2	Screw-HHF
18	32151-73	2	Ring-Clip
19	3256-23	2	Washer-Flat
20	63-3640	2	Handle-Control
21	74-1360	2	Grip-Handle
22	47-4990	2	Post-Mounting, Linkage
23	52-5600	2	Pin-Lever, Control
24	94-8838	1	Rod-Upper Engage Auger
25	3296-42	6	Nut-Lock, NI
26	322-7	2	Screw-HH
27	94-8837	1	Rod-Upper Traction
28	32128-33	1	Nut-HF
29	94-8836	2	Rod-Lower Traction
30	32128-32	2	Nut-HHF
31	38-4520	1	Spring
32	40-8270	1	Rod-Control, Chute
33	25-6090	1	Bracket-Rod, Chute
34	95-2695-03	1	Left Handle
35	63-3510	1	Decal-Chute Direction
36	40-8230	1	Grip-Control, Chute
37	3290-320	2	Retainer-Push On
38	256-249	1	Bushing
39	3296-29	2	Nut-Lock, NI
40	40-8250	1	Gear-Worm, Chute



Handle and Control Assembly (continued)

Ref	Part No.	Qty.	Description
41	40-8280	1	Bracket-Worm
42	3230-22	1	Screw-CARR
43	3290-238	1	Washer-Lock
44	3290-456	4	Washer-Belleville
45	32144-14	4	Screw-HWH
46	321-9	4	Screw-HH
48	3256-22	2	Washer-Flat

Engine Assembly No. 1
Tecumseh HMSK80-155672V (Model No. 38078 only)

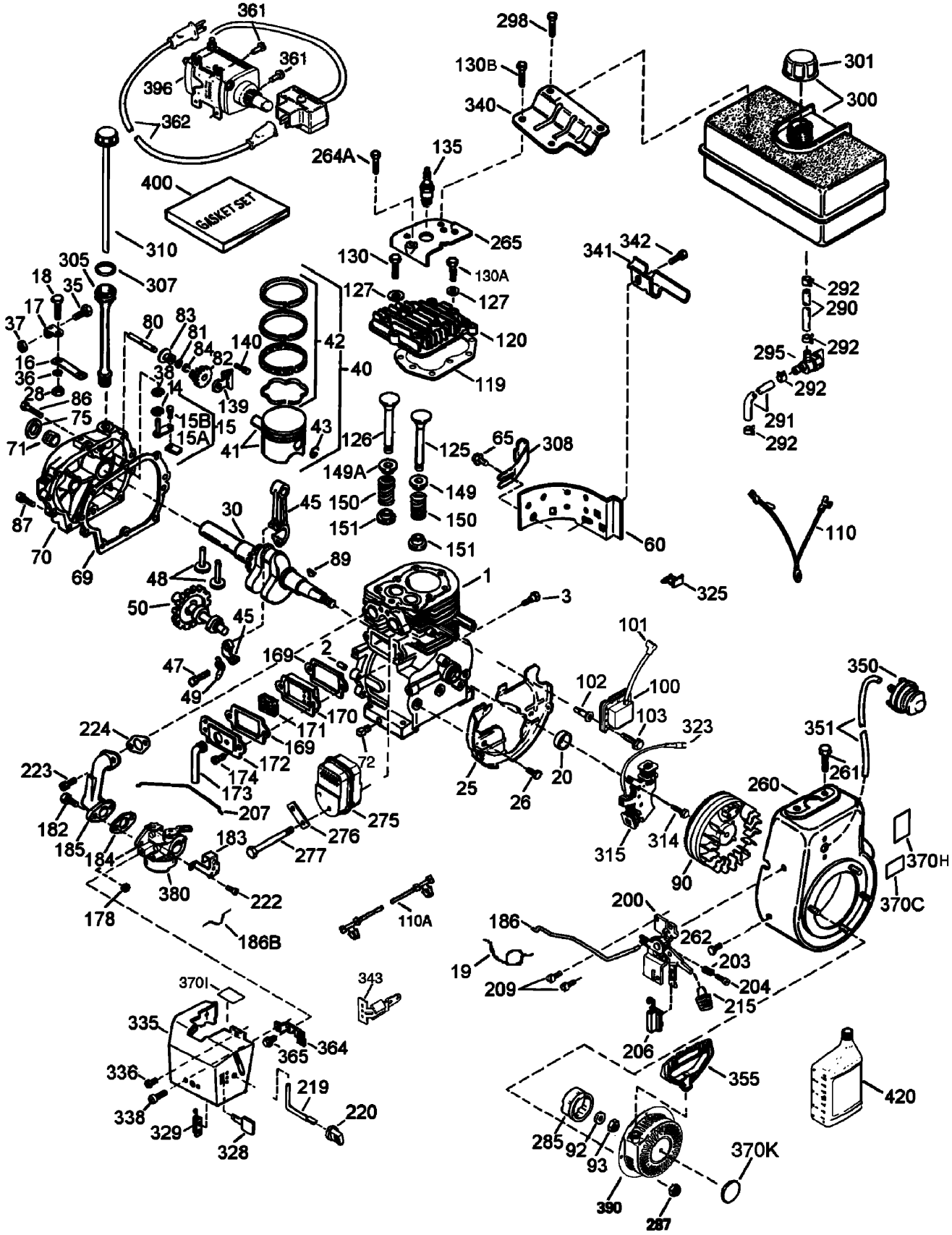


Engine Assembly No. 1
Tecumseh HMSK80-155672V (Model No. 38078 only)

Ref	Part No.	Qty.	Description
❹1	35385	1	Cylinder ASM (Includes 2, 20, 72)
❹2	27652	2	Pin-Dowel
❹3	650820	2	Screw (1/4-20X1/2)
❹14	28277	1	Washer-Flat
❹15	30699C	1	Rod-Governor (Includes 15A, 15B)
❹15A	30700	1	Yoke-Governor
❹15B	650494	1	Screw (6-40X5/16)
❹16	33454	1	Lever-Governor
❹17	29916	1	Clamp-Lever, Governor
❹18	651028	1	Screw (T-15, 8-32X7/16)
❹19	34663	1	Spring-Throttle
❹20	35319	1	Seal-Oil
❹25	36460	1	Baffle-Housing, Blower
❹26	650561	2	Screw (1/4-20X19/32)
❹28	30322	1	Nut-Lock (8-32)
❹30	35571A	1	Crankshaft
❹35	29826	1	Screw (10-32X3/4)
❹36	29918	1	Washer-Lock (8)
❹37	29216	1	Nut-Lock (10-32)
❹38	29642	1	Ring-Retaining
❹40	40011	1	Piston-Pin And Ring Set (STD)
❹40	40012	1	Piston- Pin And Ring Set (.010 O S)
❹41	40009	1	Piston And Pin ASM (STD) (Includes 43)
❹41	40010	1	Piston And Pin ASM (.010 O S) (Includes 43)
❹42	40013	1	Ring Set (STD)
❹42	40014	1	Ring Set (.010 O S)
❹43	27888	2	Ring-Retaining, Piston Pin
❹45	36897	1	Connecting Rod ASM (Includes 47, 49)
❹47	651033	2	Bolt-Rod, Connecting
❹48	34034	2	Lifter-Valve
❹49	36896	1	Dipper-Oil
❹50	35375	1	Camshaft (Mcr)
❹60	33273A	1	Extension-Housing, Blower
❹65	650128	1	Screw (10-24X1/2)
❹❺69	35262A	1	Gasket-Cover, Cylinder
❹70	35376	1	Cover-Cylinder (Includes 71, 75, 80)
❹71	35377	1	Bushing-Crankshaft
❹72	27642	1	Plug-Drain, Oil (SQH 1/4-18)
❹75	35319	1	Seal-Oil
❹80	31845	1	Shaft-Governor
❹81	30590A	1	Washer
❹82	35378	1	Governor Gear ASM (Includes 81)
❹83	30588A	1	Spool-Governor
❹84	29193	1	Ring-Retaining
❹86	650833	7	Screw (1/4-20X1-3/16)
❹87	650832	1	Screw (1/4-20X1-11/16)
❹89	32589	1	Key-Flywheel

Ref	Part No.	Qty.	Description
❹90	611093	1	Flywheel ASM
❹92	650880	1	Washer-Belleville
❹93	650881	1	Nut-Flywheel
❹100	35135	1	Solid State ASM
❹101	610118	1	Cover-Spark Plug
❹102	651024	2	Stud-Mounting, Solid State
❹103	651007	2	Screw (T-15, 10-24 X 15/16)
❹110	35187	1	Wire-Ground
❹110A	37047	1	Wire-Ground (10.50 With Male And Female Flag Terminals)
❹❺119	36448	1	Gasket-Head, Cylinder
❹120	36449	1	Head-Cylinder
❹125	27878A	1	Valve-Exhaust (STD) (Includes 151)
❹125	27880A	1	Valve-Exhaust (1/32 O S) (Includes 151)
❹126	34035	1	Valve-Intake (STD)
❹126	34036	1	Valve-Intake (.03 O S)
❹127	650691	2	Washer
❹130	6021A	7	Screw (5/16-18X1-1/2)
❹130A	650727	2	Screw (5/16-18X1-25/32)
❹130B	651055	2	Screw (5/16-18X39/64)
❹135	35395	1	Spark Plug-Resistor (R J19 L M)
❹139	33369	1	Bracket-Gear, Governor
❹140	650836	2	Screw (10-24X1/2)
❹149	27882	1	Cap-Spring, Valve
❹149A	35862	1	Cap-Spring, Valve
❹150	27881	2	Spring-Valve
❹151	32581	2	Keeper-Spring, Valve

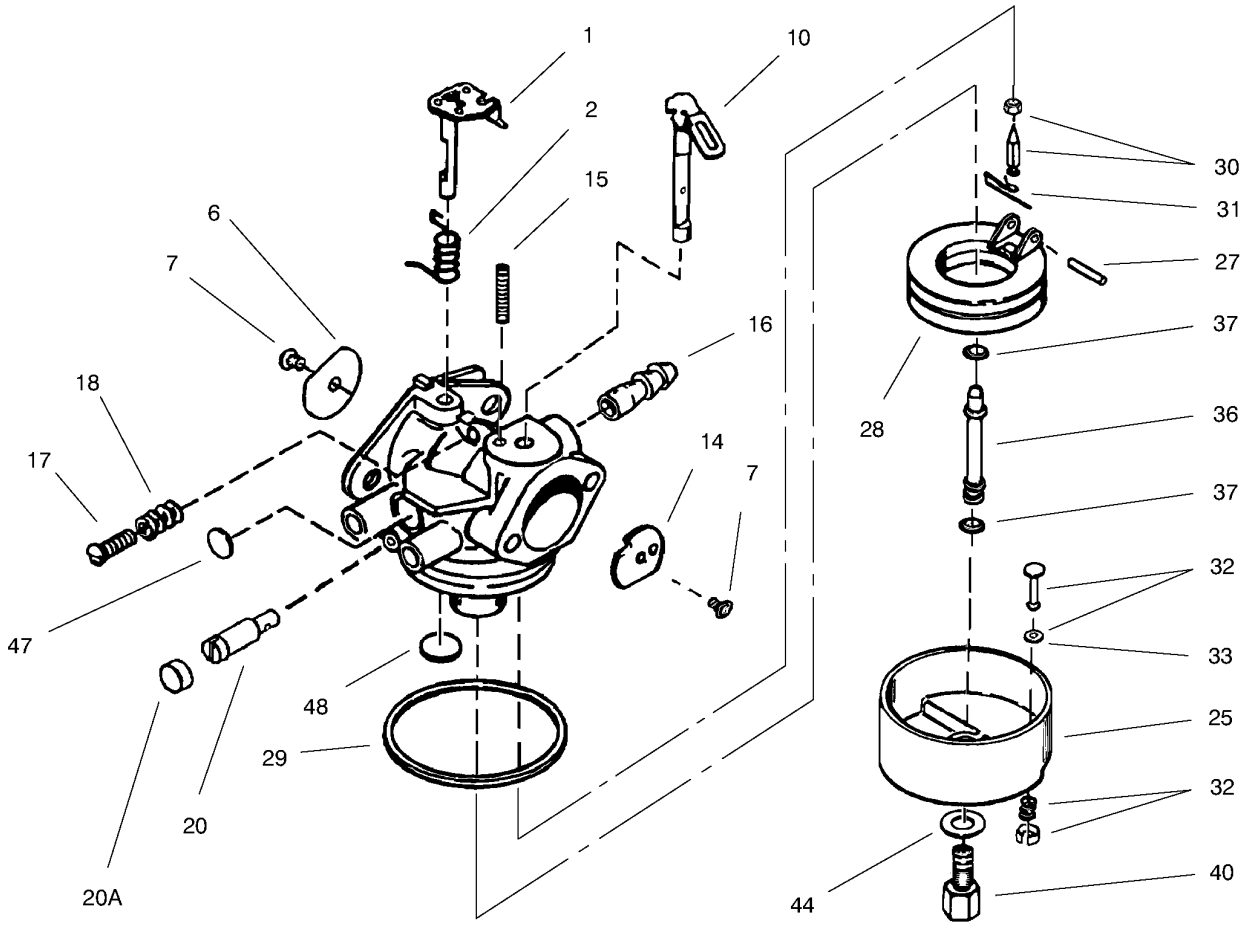
Engine Assembly No. 2
Tecumseh HMSK80-155672V (Model No. 38078 only)



Engine Assembly No. 2
Tecumseh HMSK80-155672V (Model No. 38078 only)

Ref	Part No.	Qty.	Description
❹❺169	27896A	2	Gasket-Cover, Valve
❹170	28423	1	Body-Breather
❹171	28424	1	Element-Breather
❹172	28425	1	Cover-Valve
❹173	35350	1	Tube-Breather
❹174	650128	2	Screw (10-24X1/2)
❹178	29752	2	Nut And Lock Washer (1/4-28)
❹182	30088A	2	Screw (1/4-28X1)
❹183	34587A	1	Bracket-Choke
❹❺184	33263	1	Gasket-Carburetor To Intake Pipe
❹185	33877	1	Pipe-Intake
❹186	34667	1	Link-Governor
❹186B	36652	1	Spring-Choke
❹200	34677	1	Bracket-Control (Includes 19, 203, 204, 206)
❹203	31342	1	Spring-Compression
❹204	651029	1	Screw (T-10, 5-40X7/16)
❹206	610973	1	Terminal
❹207	33878	1	Link-Throttle
❹209	650821	2	Screw (10-32 X 1/2)
❹215	35440	1	Knob-Control
❹219	34586	1	Rod-Choke
❹220	35438	1	Knob-Control
❹222	28820	2	Screw (10-32 X 1/2)
❹223	650378	2	Screw (T-30, 5/16-18X1-3/32)
❹❺224	27915A	1	Gasket-Pipe, Intake
❹260	35447A	1	Housing-Blower
❹261	650788	2	Screw (5/16-18X3/4)
❹262	29747B	2	Screw
❹264A	650802	1	Screw (1/2-20X5/8)
❹265	33272B	1	Cover-Cylinder Head
❹275	35056	1	Muffler
❹276	31588	1	Plate-Locking
❹277	651002	2	Screw (5/16-18X4-3/16)
❹285	35985B	1	Cup-Starter
❹287	29752	4	Nut And Lock Washer (1/4-28)
❹290	29774	1	Line-Fuel (8.62)
❹291	30705	1	Line-Fuel
❹292	26460	4	Clamp-Line, Fuel
❹295	35857	1	Valve-Shut Off, Fuel
❹298	650665	2	Screw (1/4-15X7/8)
❹300	34156A	1	Tank-Fuel (Includes 292, 301)
❹301	36246	1	Cap-Fuel
❹305	35554	1	Tube-Fill, Oil
❹307	35499	1	O-Ring
❹308	35440	1	Knob-Control
❹310	36205	1	Gauge Oil ASM
❹314	650873	1	Screw (1/4-20 X 3/4)
❹315	611111	1	Coil-Alternator, 18 Watt (Includes 323)
❹323	611118	1	Terminal
❹325	29443	1	Clip-Wire

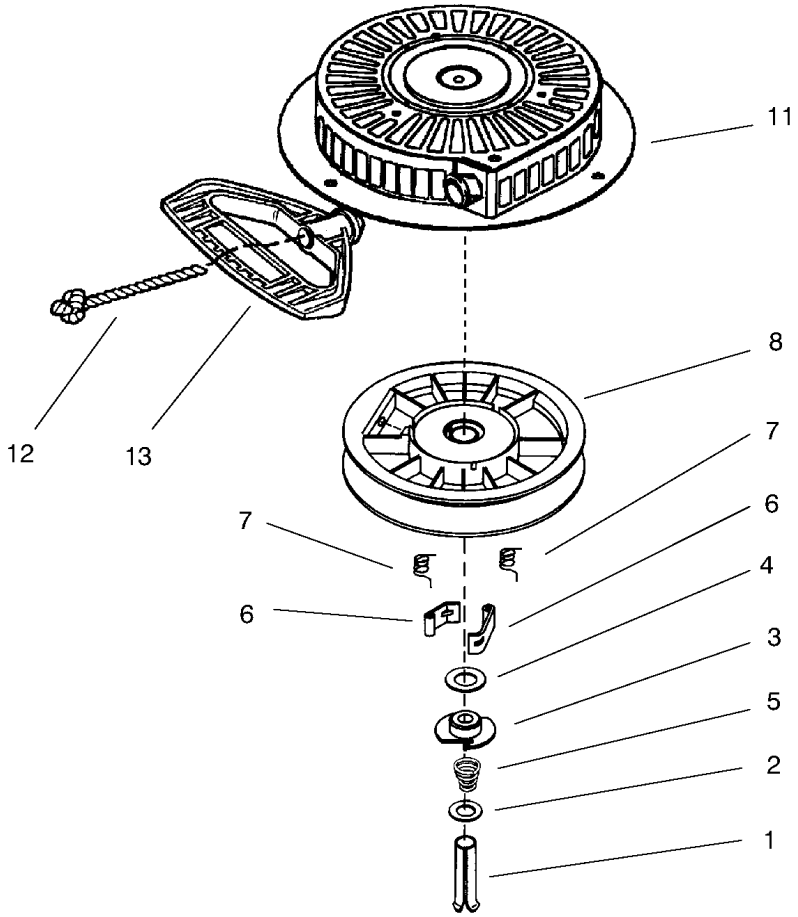
Ref	Part No.	Qty.	Description
❹328	35062	2	Key, Ignition
❹329	610973	1	Terminal
❹335	35057A	1	Cover-Carburetor
❹336	650765	1	Screw (10-32X1/2)
❹338	28942	2	Screw (10-32 X 3/8)
❹340	34154	1	Bracket-Tank, Fuel (Black)
❹341	34155	1	Bracket-Tank, Fuel
❹342	650561	1	Screw (1/4-20X19/32)
❹343	35079	1	Bracket-Switch, Key
❹350	570682A	1	Primer ASM
❹351	32180C	1	Line-Primer
❹355	590574	1	Handle-Starter, Mitten Grip
❹361	650990	2	Screw (T-30, 1/4-20X15/32)
❹362	32450B	1	Cord-Extension (10-6)
❹364	33377	1	Bracket-Carburetor
❹365	650767	2	Screw (8-32X27/64)
❹370C	36501	1	Decal-Primer-International Symbol
❹370H	35077	1	Decal-Speed Control And Choke
❹370I	37119	1	Decal-Warning (Bilingual)
❹370K	36695	1	Decal-Tecumseh Logo For Top Of Recoil Starter
❹380	640052	1	Carburetor ASM
❹390	590749	1	Starter-Rewind
❹396	33329E	1	Starter-Electric (110 Volt)
❹400	36450A	1	Gasket Set
❹420	730226A	1	Oil-Engine, Sae 5W30



Carburetor No. 640052
Tecumseh HMSK80-155672V (Model No. 38078 Only)

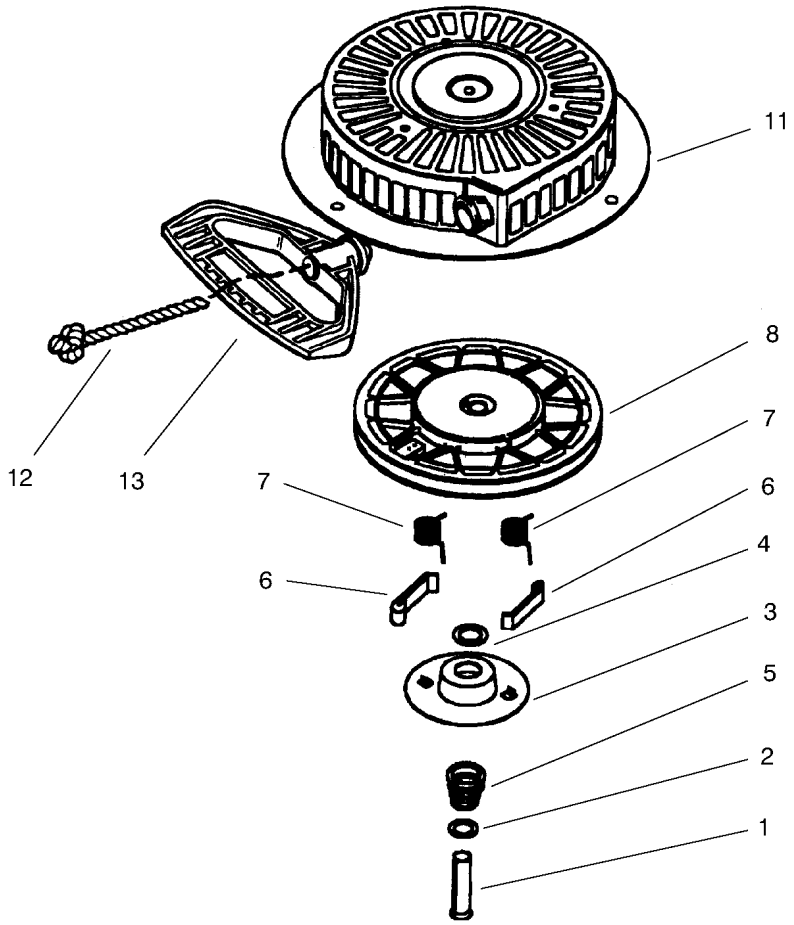
Ref	Part No.	Qty.	Description
❹1	631776A	1	Throttle Shaft And Lever ASM
❹2	631970	1	Spring-Return, Throttle
❹6	631778	1	Shutter-Throttle
❹7	650506	2	Screw-Shutter
❹10	632112	1	Choke Shaft And Lever ASM
❹14	632174	1	Shutter-Choke
❹15	630735	1	Spring-Positioning, Choke
❹16	632164	1	Fitting-Fuel
❹17	650417	1	Throttle Crack Screw / Idle Speed Screw
❹18	630766	1	Spring-Tension
❹20	640016	1	Screw-Restrictor, Idle
❹20A	640053	1	Cap-Screw, Idle Restrictor
❹25	631951	1	Float Bowl Assembly (Incl. Ref. #32 & 33)
❹27	631024	1	Shaft-Float
❹28	632019	1	Float
❹29	631028	1	O-Ring-Bowl, Float
❹30	631021	1	Inlet Needle, Seat & Clip ASM (Incl. Ref. #31)
❹31	631022	1	Clip-Spring
❹32	27136A	1	Drain Assembly (Incl. Ref. #33)
❹33	27554	1	Gasket-Plunger, Drain
❹36	640005	1	Tube-Nozzle, Main
❹37	632547	2	O-Ring-Nozzle Tube, Main

Ref	Part No.	Qty.	Description
❹40	640055	1	Nut-High Speed, Bowl
❹44	27110	1	Washer-Bowl Nut
❹47	630748	1	Plug-Welch, Idle Mixture Well
❹48	631027	1	Plug-Welch, Atmospheric Vent
❹60	632760	1	Repair Kit



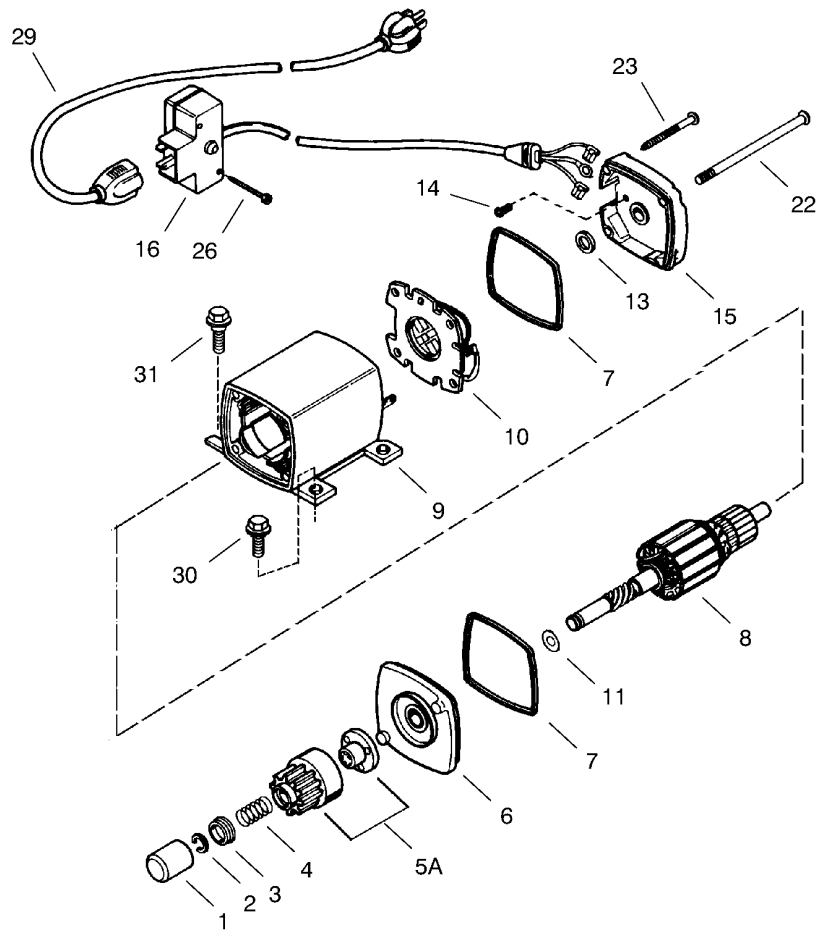
Recoil Starter No. 590749
Tecumseh HMSK80-155672V (Model No. 38078 Only)

Ref	Part No.	Qty.	Description
❹1	590599A	1	Spring Pin (Incl. Ref.#4)
❹2	590600	1	Washer
❹3	590679	1	Retainer
❹4	590601	1	Washer
❹5	590678	1	Spring-Brake
❹6	590680	2	Dog-Starter
❹7	590412	2	Spring-Dog
❹8	590682	1	Pulley And Rewind Spring ASM
❹11	590750	1	Starter Housing ASM
❹12	590535	1	98 Starter Rope (Cut To Length)
❹13	590574	1	Handle-Starter, Mitten Grip



Recoil Starter No. 590733
Tecumseh HMSK80-155672V (Model No. 38078 Only)

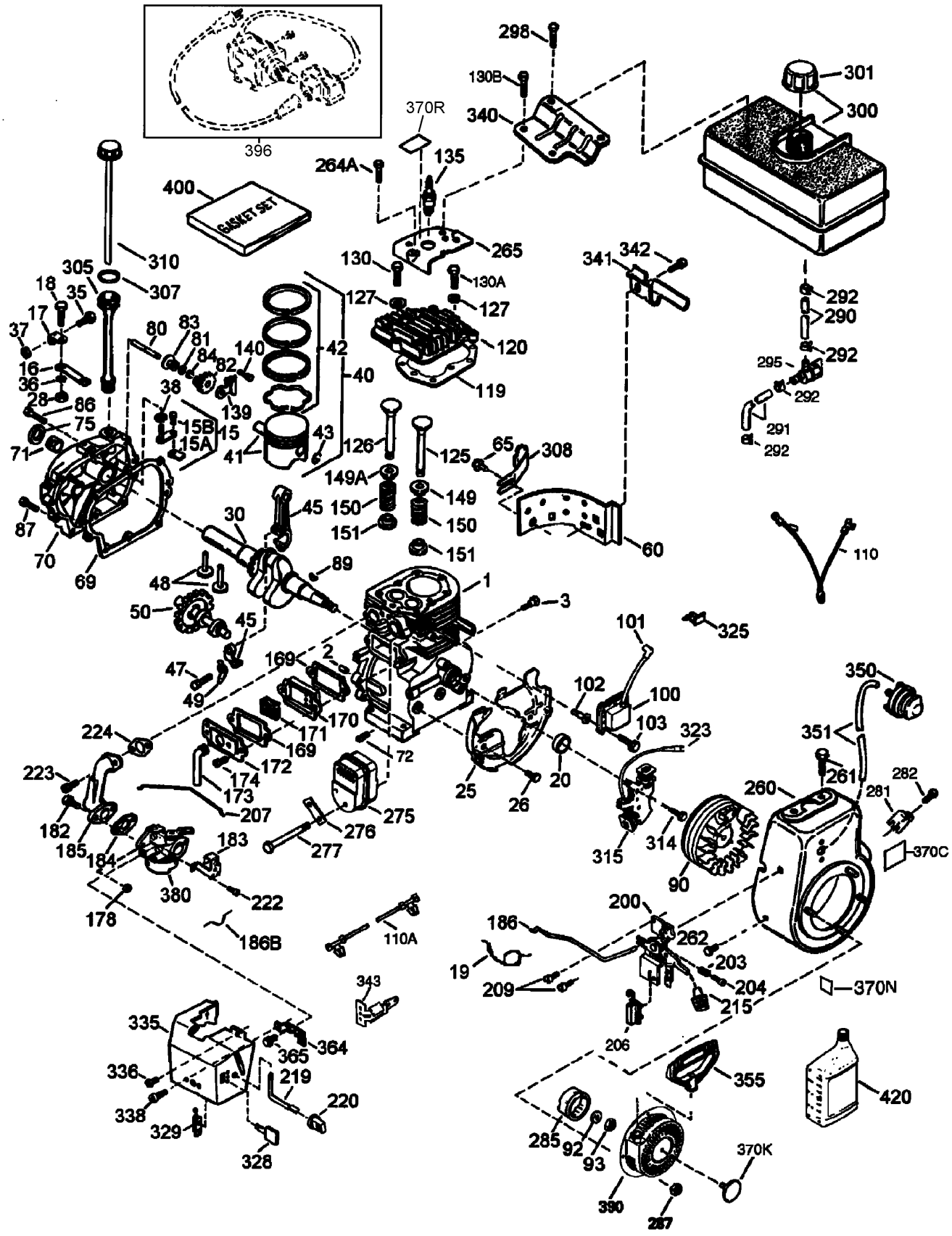
Ref	Part No.	Qty.	Description
❹1	590599A	1	Spring Pin (Incl. Ref.# 4)
❹2	590600	1	Washer
❹3	590696	1	Retainer
❹4	590601	1	Washer
❹5	590697	1	Spring-Brake
❹6	590698	2	Dog-Starter
❹7	590699	2	Spring-Dog
❹8	590709	1	Pulley And Rewind Spring ASM
❹11	590734	1	Starter Housing ASM
❹12	590535	1	98 Starter Rope (Cut To Length)
❹13	590574	1	Handle-Starter, Mitten Grip



Electric Starter No. 33329e (110 Volt)
Tecumseh HMSK80-155672V (Model No. 38078 Only)

Ref	Part No.	Qty.	Description
❹1	33451	1	Cover-Dust
❹2	33842	1	Ring-Retainer
❹3	33430	1	Retainer-Spring
❹4	33431	1	Spring-Anti Drift
❹5A	37050	1	Gear & Nut (Incl. Ref.# 2)
❹6	35449	1	Drive End Cap ASM (Incl. Ref.#7)
❹7	35450	2	O-Ring
❹8	35915	1	Armature
❹9	35451A	1	Housing ASM
❹10	35452A	1	Brush Card ASM
❹11	35911	1	Washer-Thrust
❹13	590500	1	Washer-Thrust
❹14	33441	1	Screw-Ground
❹15	35453	1	Commutator End Cap ASM (Incl. Ref.# 7)
❹16	35454	1	Switch Box ASM
❹22	35455	2	Bolt-Case
❹23	35456	1	Screw-Ground
❹26	650819	2	Screw (6-32X2-1/2)
❹26	651032	2	Screw (12-16 X 5/8)
❹29	32450B	1	Cord-Extension (10-6)
❹30	30063	2	Screw (T-30 1/4-20X1/2)
❹31	650820	2	Screw (1/4-20X1/2)

Engine Assembly No. 1
Tecumseh HMSK80-155645V (Model No. 38053 only)

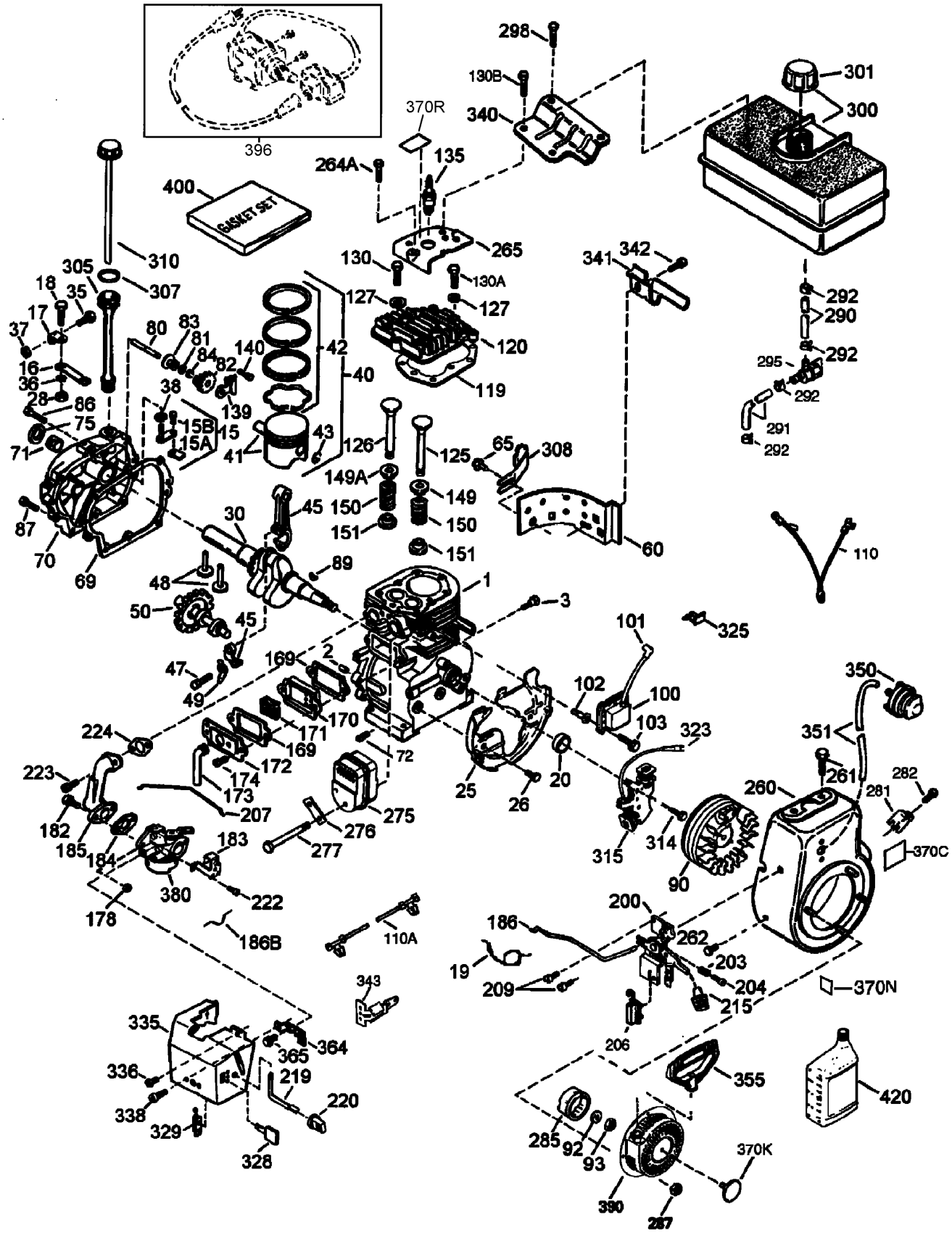


Engine Assembly No. 1
Tecumseh HMSK80-155645V (Model No. 38053 only)

Ref	Part No.	Qty.	Description
❹1	35385	1	Cylinder ASM (Includes 2, 20, 72)
❹2	27652	2	Pin-Dowel
❹3	650820	2	Screw (1/4-20X1/2)
❹15	30699C	1	Rod-Governor (Includes 15A, 15B)
❹15A	30700	1	Yoke-Governor
❹15B	650494	1	Screw (6-40X5/16)
❹16	33454	1	Lever-Governor
❹17	29916	1	Clamp-Lever, Governor
❹18	651028	1	Screw (T-15, 8-32X7/16)
❹19	34663	1	Spring-Throttle
❹20	35319	1	Seal-Oil
❹25	36460	1	Baffle-Housing, Blower
❹26	650561	2	Screw (1/4-20X19/32)
❹28	30322	1	Nut-Lock (8-32)
❹30	35571A	1	Crankshaft
❹35	29826	1	Screw (10-32X3/4)
❹36	29918	1	Washer-Lock (8)
❹37	29216	1	Nut-Lock (10-32)
❹38	29642	1	Ring-Retaining
❹40	40011	1	Piston-Pin And Ring Set (STD)
❹40	40012	1	Piston- Pin And Ring Set (.010 O S)
❹41	40009	1	Piston And Pin ASM (STD)(Includes 43)
❹41	40010	1	Piston And Pin ASM (.010 O S) (Includes 43)
❹42	40013	1	Ring Set (STD)
❹42	40014	1	Ring Set (.010 O S)
❹43	27888	2	Ring-Retaining, Piston Pin
❹45	36897	1	Connecting Rod ASM (Includes 47, 49)
❹47	651033	2	Bolt-Rod, Connecting
❹48	34034	2	Lifter-Valve
❹49	36896	1	Dipper-Oil
❹50	35375	1	Camshaft (Mcr)
❹60	33273A	1	Extension-Housing, Blower
❹65	650128	1	Screw (10-24X1/2)
❹❺69	35262A	1	Gasket-Cover, Cylinder
❹70	35376	1	Cover-Cylinder (Includes 71, 75, 80)
❹71	35377	1	Bushing-Crankshaft
❹72	27642	1	Plug-Drain, Oil (SQH 1/4-18)
❹75	35319	1	Seal-Oil
❹80	31845	1	Shaft-Governor
❹81	30590A	1	Washer
❹82	35378	1	Governor Gear ASM (Includes 81)
❹83	30588A	1	Spool-Governor
❹84	29193	1	Ring-Retaining
❹86	650833	7	Screw (1/4-20X1-3/16)
❹87	650832	1	Screw (1/4-20X1-11/16)
❹89	32589	1	Key-Flywheel
❹90	611093	1	Flywheel ASM

Ref	Part No.	Qty.	Description
❹92	650880	1	Washer-Belleville
❹93	650881	1	Nut-Flywheel
❹100	35135	1	Solid State ASM
❹101	610118	1	Cover-Spark Plug
❹102	651024	2	Stud-Mounting, Solid State
❹103	651007	2	Screw (T-15, 10-24 X 15/16)
❹110	35187	1	Wire-Ground
❹110A	37047	1	Wire-Ground (10.50 With Male And Female Flag Terminals)
❹❺119	36448	1	Gasket-Head, Cylinder
❹120	36449	1	Head-Cylinder
❹125	27878A	1	Valve-Exhaust (STD) (Includes 151)
❹125	27880A	1	Valve-Exhaust (1/32 O S) (Includes 151)
❹126	34035	1	Valve-Intake (STD) (Includes 151)
❹126	34036	1	Valve-Intake (.03 O S)
❹127	650691	2	Washer
❹130	6021A	7	Screw (5/16-18X1-1/2)
❹130A	650727	2	Screw (5/16-18X1-25/32)
❹130B	651055	2	Screw (5/16-18X39/64)
❹135	35395	1	Spark Plug-Resistor (R J19 L M)
❹139	33369	1	Bracket-Gear, Governor
❹140	650836	2	Screw (10-24X1/2)
❹149	27882	1	Cap-Spring, Valve
❹149A	35862	1	Cap-Spring, Valve
❹150	27881	2	Spring-Valve
❹151	32581	2	Keeper-Spring, Valve
❹❺169	27896A	2	Gasket-Cover, Valve

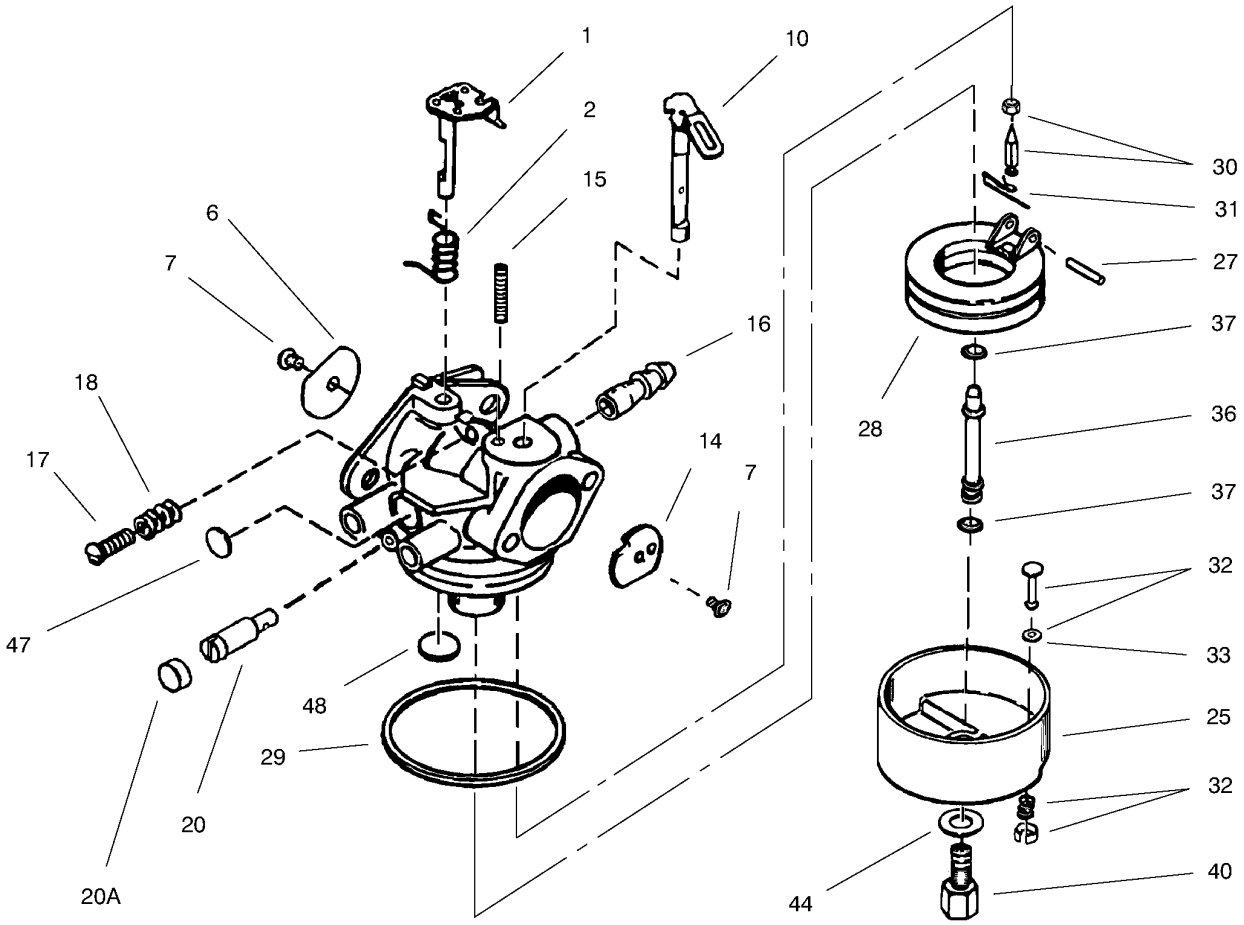
Engine Assembly No. 2
Tecumseh HMSK80-155645V (Model No. 38053 only)



Engine Assembly No. 2
Tecumseh HMSK80-155645V (Model No. 38053 only)

Ref	Part No.	Qty.	Description
❹170	28423	1	Body-Breather
❹171	28424	1	Element-Breather
❹172	28425	1	Cover-Valve
❹173	35350	1	Tube-Breather
❹174	650128	2	Screw (10-24X1/2)
❹178	29752	2	Nut And Lock Washer (1/4-28)
❹182	30088A	2	Screw (1/4-28X1)
❹183	34587A	1	Bracket-Choke
❹❺184	33263	1	Gasket-Carburetor To Intake Pipe
❹185	33877	1	Pipe-Intake
❹186	34667	1	Link-Governor
❹186B	36652	1	Spring-Choke
❹200	34677	1	Bracket-Control (Includes 19, 203, 204, 206)
❹203	31342	1	Spring-Compression
❹204	651029	1	Screw (T-10, 5-40X7/16)
❹206	610973	1	Terminal
❹207	33878	1	Link-Throttle
❹209	650821	2	Screw (10-32 X 1/2)
❹215	35440	1	Knob-Control
❹219	34586	1	Rod-Choke
❹220	35438	1	Knob-Control
❹222	28820	2	Screw (10-32 X 1/2)
❹223	650378	2	Screw (T-30, 5/16-18X1-3/32)
❹❺224	27915A	1	Gasket-Pipe, Intake
❹260	35447A	1	Housing-Blower
❹261	650788	2	Screw (5/16-18X3/4)
❹262	29747B	2	Screw
❹264A	650802	1	Screw (1/2-20X5/8)
❹265	33272B	1	Cover-Cylinder Head
❹275	35056	1	Muffler
❹276	31588	1	Plate-Locking
❹277	651002	2	Screw (5/16-18X4-3/16)
❹281	33013	1	Screw
❹282	650760	1	Screw (8-32 X 3/8)
❹285	35985B	1	Cup-Starter
❹287	29752	4	Nut And Lock Washer (1/4-28)
❹290	29774	1	Line-Fuel (8.62)
❹291	30705	1	Line-Fuel
❹292	26460	4	Clamp-Line, Fuel
❹295	35857	1	Valve-Shut Off, Fuel
❹298	650665	2	Screw (1/4-15X7/8)
❹300	34156A	1	Tank-Fuel (Includes 292, 301)
❹301	36246	1	Cap-Fuel
❹305	35554	1	Tube-Fill, Oil
❹307	35499	1	O-Ring
❹308	35540	1	Clip-Tube, Fill
❹310	36205	1	Gauge Oil ASM
❹314	650873	1	Screw (1/4-20 X 3/4)
❹315	611111	1	Coil-Alternator, 18 Watt (Includes 323)
❹323	611118	1	Terminal

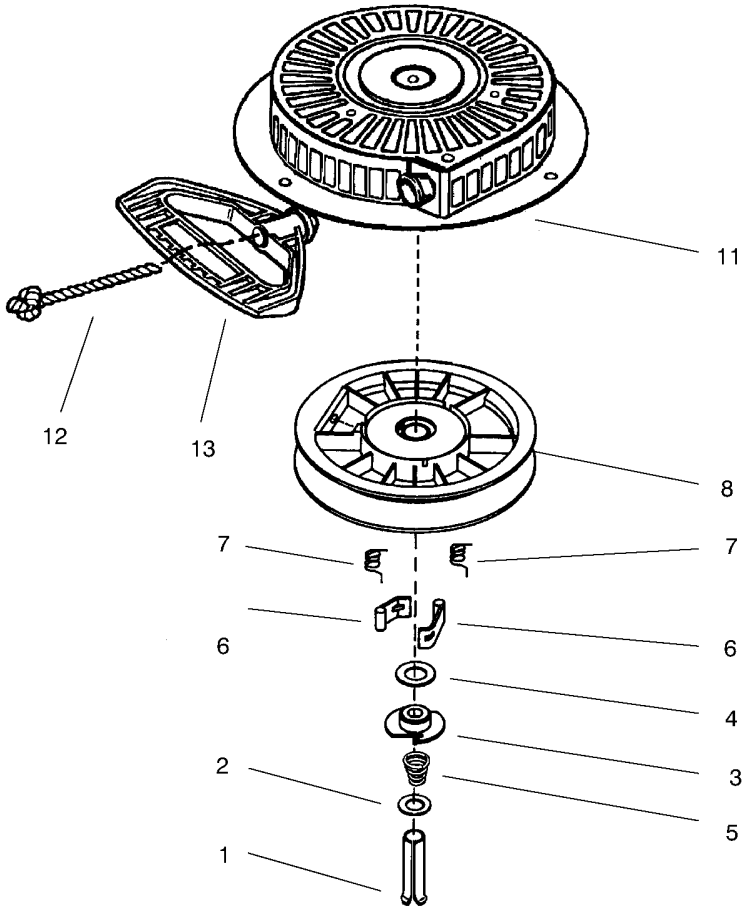
Ref	Part No.	Qty.	Description
❹325	29443	1	Clip-Wire
❹328	35062	2	Key, Ignition
❹329	610973	1	Terminal
❹335	35057A	1	Cover-Carburetor
❹336	650765	1	Screw (10-32X1/2)
❹338	28942	2	Screw (10-32 X 3/8)
❹340	34154	1	Bracket-Tank, Fuel (Black)
❹341	34155	1	Bracket-Tank, Fuel
❹342	650561	1	Screw (1/4-20X19/32)
❹343	35079	1	Bracket-Switch, Key
❹350	570682A	1	Primer ASM
❹351	32180C	1	Line-Primer
❹355	590574	1	Handle-Starter, Mitten Grip
❹364	33377	1	Bracket-Carburetor
❹365	650767	2	Screw (8-32X27/64)
❹370C	36501	1	Decal-Primer-International Symbol
❹370K	36695	1	Decal-Tecumseh Logo For Top Of Recoil Starter
❹370N	35077	1	Decal-Speed Control And Choke
❹370R	37119	1	Decal-Warning (Bilingual)
❹380	640052	1	Carburetor ASM (Includes 184)
❹390	590749	1	Starter-Rewind
❹396	179-160	1	Electric Starter Motor, 230 Volt (Optional)
❹400	36450A	1	Gasket Set
❹420	730226	1	Oil-Engine (Sae 5W30)



Carburetor No. 640052
Tecumseh HMSK80-155645V (Model No. 38053 Only)

Ref	Part No.	Qty.	Description
❹1	631776A	1	Throttle Shaft And Lever ASM
❹2	631970	1	Spring-Return, Throttle
❹6	631778	1	Shutter-Throttle
❹7	650506	2	Screw-Shutter
❹10	632112	1	Choke Shaft And Lever ASM
❹14	632174	1	Shutter-Choke
❹15	630735	1	Spring-Positioning, Choke
❹16	632164	1	Fitting-Fuel
❹17	650417	1	Throttle Crack Screw / Idle Speed Screw
❹18	630766	1	Spring-Tension
❹20	640016	1	Screw-Restrictor, Idle
❹20A	640053	1	Cap-Screw, Idle Restrictor
❹21	640053	1	Cap-Screw, Idle Restrictor
❹25	631951	1	Float Bowl Assembly (Incl. Ref. #32 & 33)
❹27	631024	1	Shaft-Float
❹28	632019	1	Float
❹29	631028	1	O-Ring-Bowl, Float
❹30	631021	1	Inlet Needle, Seat & Clip ASM (Incl. Ref. #31)
❹31	631022	1	Clip-Spring
❹32	27136A	1	Drain Assembly (Incl. Ref. #33)
❹33	27554	1	Gasket-Plunger, Drain
❹36	640005	1	Tube-Nozzle, Main

Ref	Part No.	Qty.	Description
❹37	632547	2	O-Ring-Nozzle Tube, Main
❹40	640055	1	Nut-High Speed, Bowl
❹44	27110	1	Washer-Bowl Nut
❹47	630748	1	Plug-Welch, Idle Mixture Well
❹48	631027	1	Plug-Welch, Atmospheric Vent



Recoil Starter No. 590749
Tecumseh HMSK80-155645V (Model No. 38053 Only)

Ref	Part No.	Qty.	Description
❹1	590599A	1	Pin-Spring (Incl. Ref. #4)
❹2	590600	1	Washer
❹3	590679	1	Retainer
❹4	590601	1	Washer
❹5	590678	1	Spring-Brake
❹6	590680	2	Dog-Starter
❹7	590412	2	Spring-Dog
❹8	590682	1	Pulley And Rewind Spring ASM
❹11	590750	1	Starter Housing ASM
❹12	590535	1	98 Starter Rope (Cut To Length)
❸❹13	590574	1	Handle-Starter, Mitten Grip

Attachments and Accessories

For 38053 - 824 Power Throw Snowthrower

Product Name	Model/Part
Drift Breaker	37-7021
Starter Kit 120vac	38039
Starter Kit 230vac	38041
Skid Kit	40-8160
Tire Chain Kit	56-2700
Light Kit	66-7941
Snow Cab	88-0600

Attachments and Accessories

For 38078 - 824 Power Throw Snowthrower

Product Name	Model/Part
Drift Breaker	37-7021
Starter Kit 120vac	38039
Skid Kit	40-8160
Tire Chain Kit	56-2700
Light Kit	66-7941
Snow Cab	88-0600

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