



622E Power Throw[®] Snowthrower

Model No. 38607 - 270000001 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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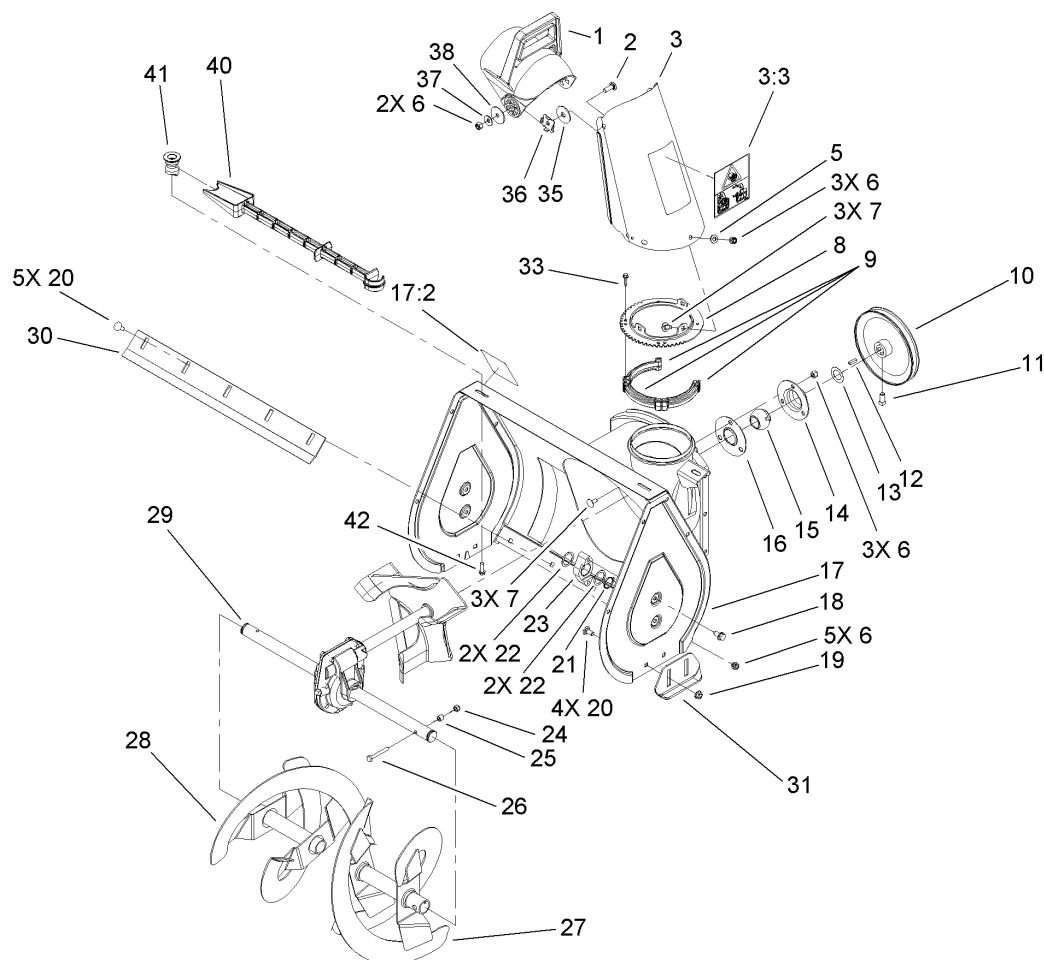
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

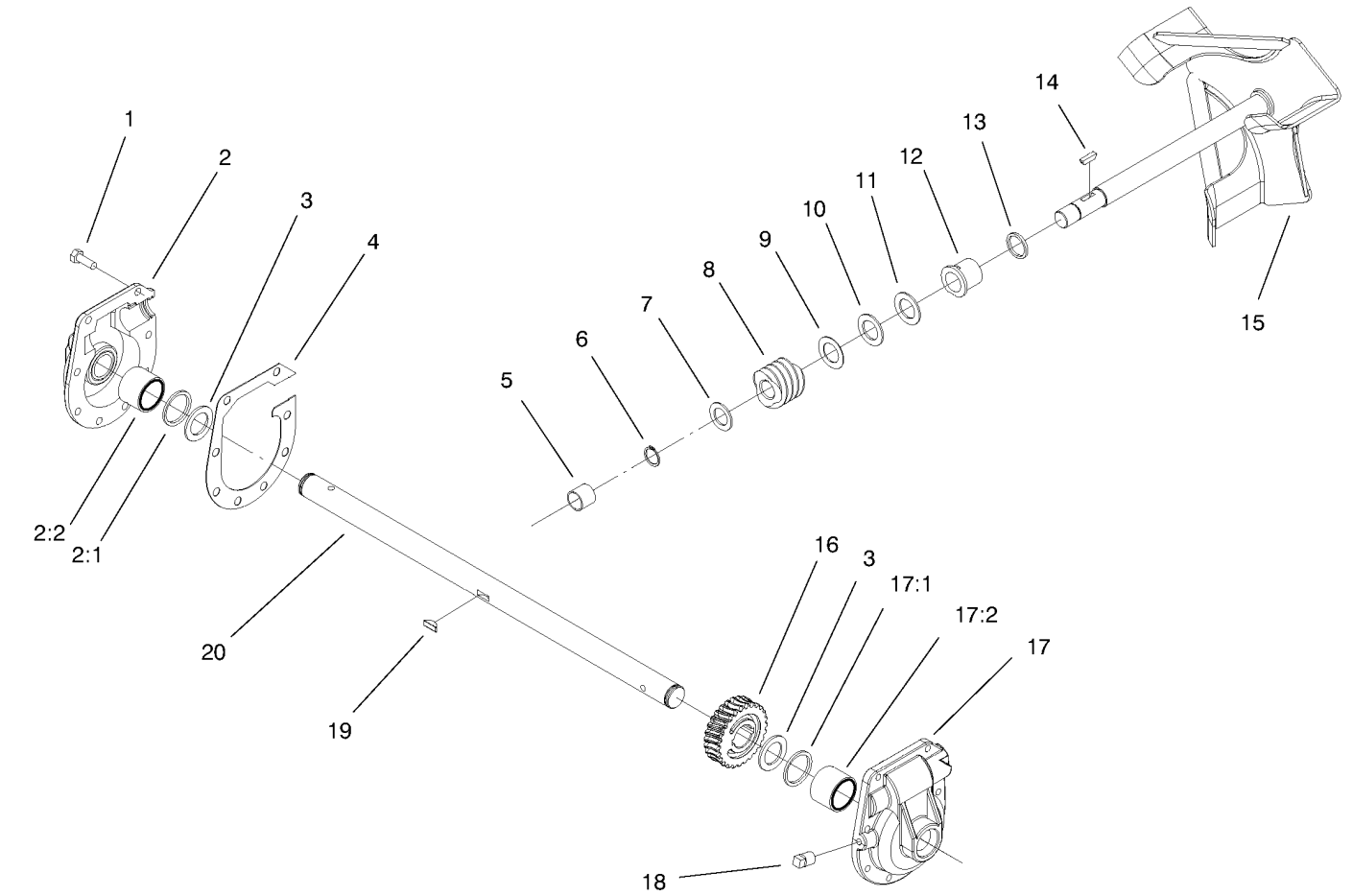
Footnotes

- | | |
|--|---------------------------------|
| ❶ Not illustrated | ❷ Not serviced separately |
| ❸ Obtain from your local Tecumseh dealer | ❹ Included in Repair Kit 632760 |
| ❺ Included in Gasket Set 36720 | |



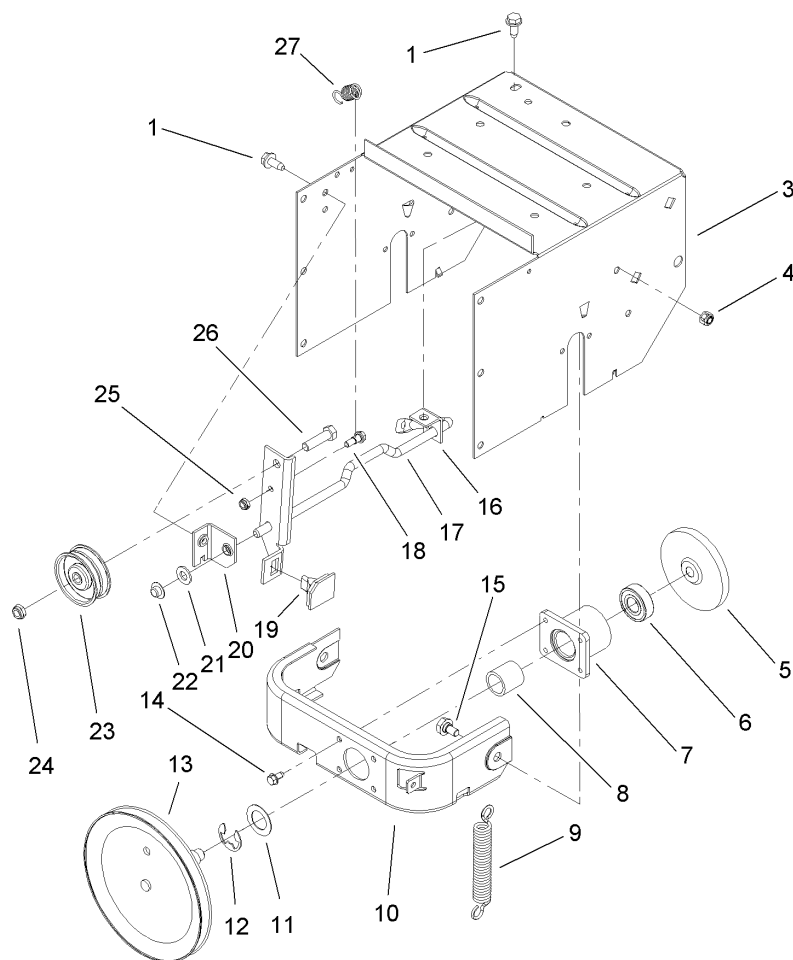
Auger Housing Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	56-2680	1	Chute-Deflector	24	3296-42	2	Nut-Lock, NI
2	3230-22	2	Screw-CARR	25	66-8010	2	Spacer-Hub, Impeller
3	112-6605	1	Chute ASM	26	321-11	2	Screw-HH
3:3	112-6620	1	Decal-Danger, Discharge	27	98-2271-03	1	Auger-LH
5	3256-23	3	Washer-Flat	28	98-2270-03	1	Auger-RH
6	3296-29	13	Nut-Lock, NI	29	37-6962	1	22 Inch Gear Case ASM
7	3230-18	6	Screw-CARR	30	100-3554-01	1	Blade-Scraper
8	37-8941-03	1	Ring-Chute	31	40-8160-01	2	Skid
9	37-6490	3	Ring-Chute, Retainer	33	27-0220	6	Screw-Special
10	37-6890	1	Pulley	35	20-4320	2	Washer-Rubber
11	3242-4	2	Screw-Set, SQH	36	55-8950	2	Plate-Friction
12	3257-23	1	Key-Woodruff	37	3290-456	2	Washer-Belleville
13	3-0737	1	Washer	38	3256-68	2	Washer-Flat
14	26-6110	1	Flange-Cup, Bearing	40	110-3408	1	Stick-Cleanout
15	63-3450	1	Bearing-Ball	41	110-6275	2	Holder-Stick
16	26-6120	1	Flange-Cup, Bearing	42	46-8091	2	Screw-HWH
17	112-6641	1	Auger Housing ASM				
17:2	107-3040	1	Decal-Danger, Auger				
18	32144-70	4	Screw-HWHTF				
19	32128-20	4	Nut-HF				
20	3230-1	9	Bolt-CARR				
21	32151-36	2	Ring-Retaining				
22	5-1550	4	Washer				
23	37-6550	2	Bearing-Auger				



22 Inch Gear Case Assembly No. 37-6962

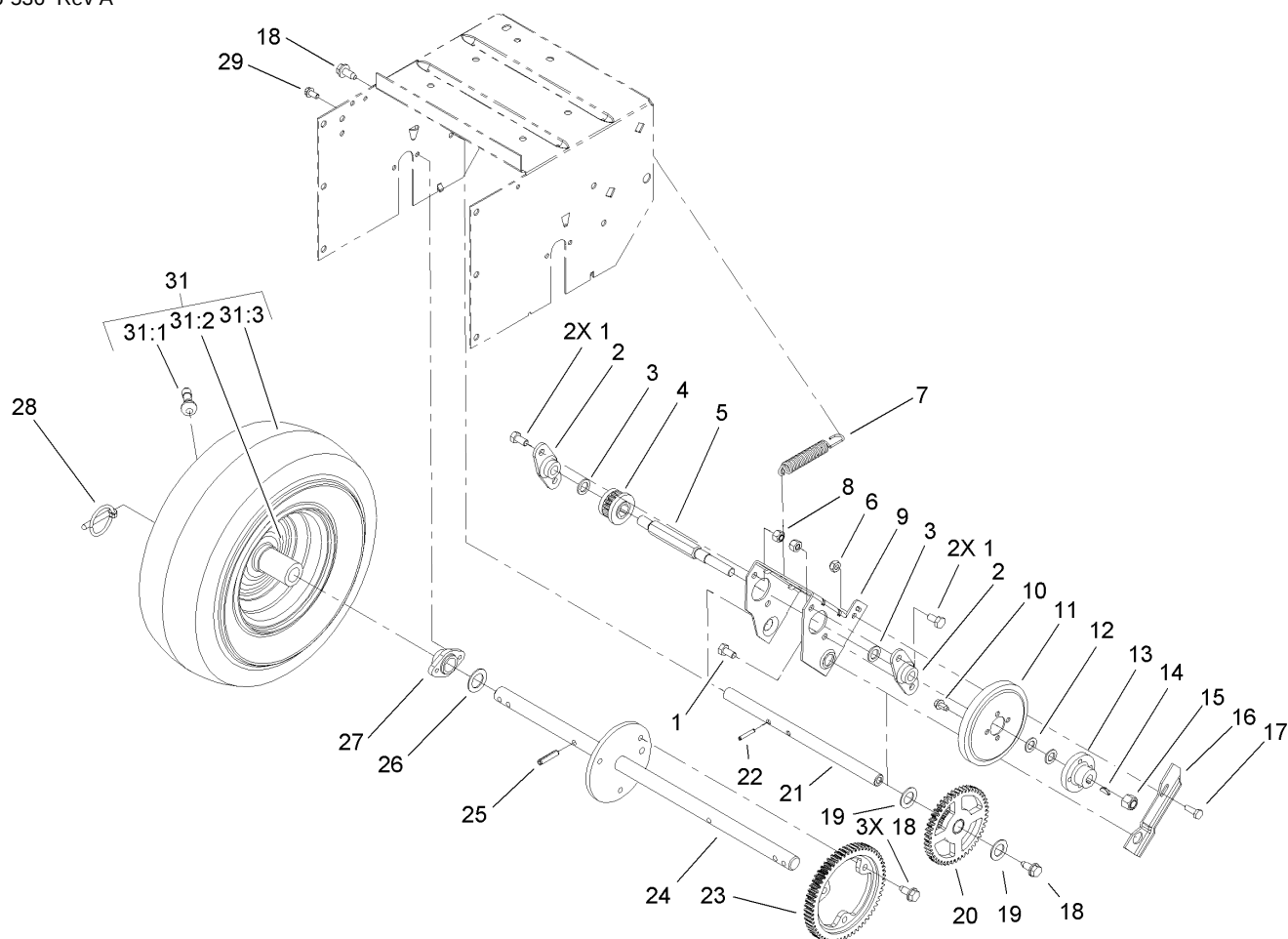
Ref	Part No.	Qty.	Description				
1	32144-41	8	Screw-Tapite				
2	14-2449	1	RH Bushing Case ASM				
2:1	7-0045	1	Seal-Oil				
2:2	256-237	1	Bushing				
3	252-71	2	Washer-Thrust				
4	51-0460	1	Gasket-Case, Gear				
5	256-32	1	Bushing				
6	32120-72	1	Ring-Snap				
7	3-8664	1	Washer-Thrust				
8	5-7170	1	Gear				
9	252-80	1	Washer-Thrust				
10	252-76	1	Bearing-Thrust				
11	257-3	1	Washer-Thrust				
12	37-6560	1	Bushing-Input				
13	237-87	1	Ring-Quad				
14	3257-23	1	Key-Woodruff				
15	37-6990-03	1	Impeller Shaft ASM				
16	5-7180	1	Gear-Worm, 27T				
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	3257-33	1	Key-Woodruff				
20	37-6802	1	Shaft-Auger				



Frame Assembly

Ref	Part No.	Qty.	Description
1	32144-70	2	Screw-HWHTF
3	37-8900-01	1	Frame-Traction
4	3296-29	2	Nut-Lock, NI
5	38-0800	1	Plate-Friction
6	100-1048	1	Bearing-Ball
7	88-0560	1	Hub-Frame, Traction
8	256-322	1	Bushing
9	37-8870	1	Spring-Plate, Friction
10	88-0550-03	1	Frame-Front
11	252-80	1	Washer-Thrust
12	32151-103	1	Ring-Snap
13	88-0850	1	Pulley And Drive ASM
14	32144-4	4	Screw-HWH
15	37-8770	2	Bolt-Shoulder
16	37-9070	1	Bracket-Mount, Rear
17	40-6511-03	1	Auger Clutch Rod ASM
18	42-3560	1	Bolt-Shoulder
19	66-8060	1	Pad-Brake
20	66-6790	1	Bracket-Mount, Front
21	3256-24	1	Washer-Flat
22	3290-320	1	Retainer-Push On
23	3-4244	1	Pulley-Idler
24	3296-59	1	Nut-Lock, NI
25	3296-56	1	Nut-Lock, NI

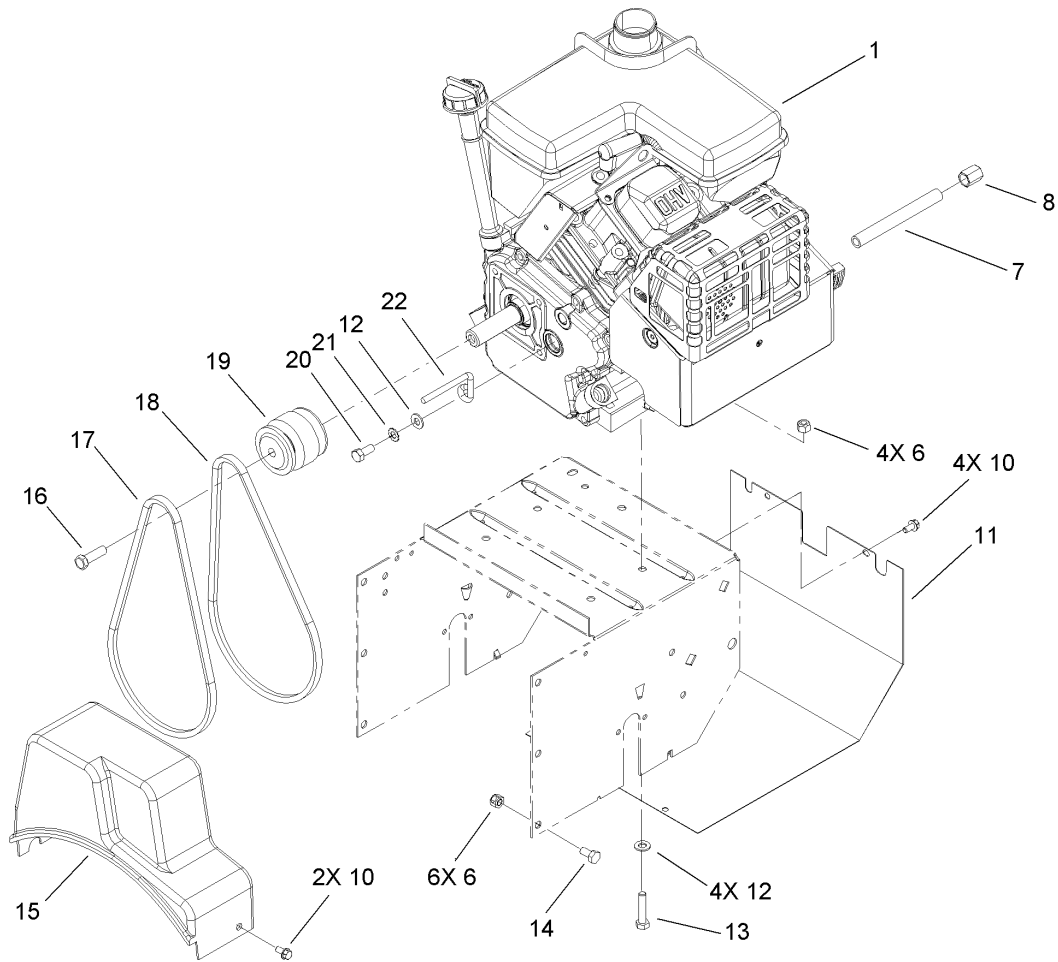
Ref	Part No.	Qty.	Description
26	323-29	1	Screw-HH
27	53-7570	1	Spring



Drive Assembly

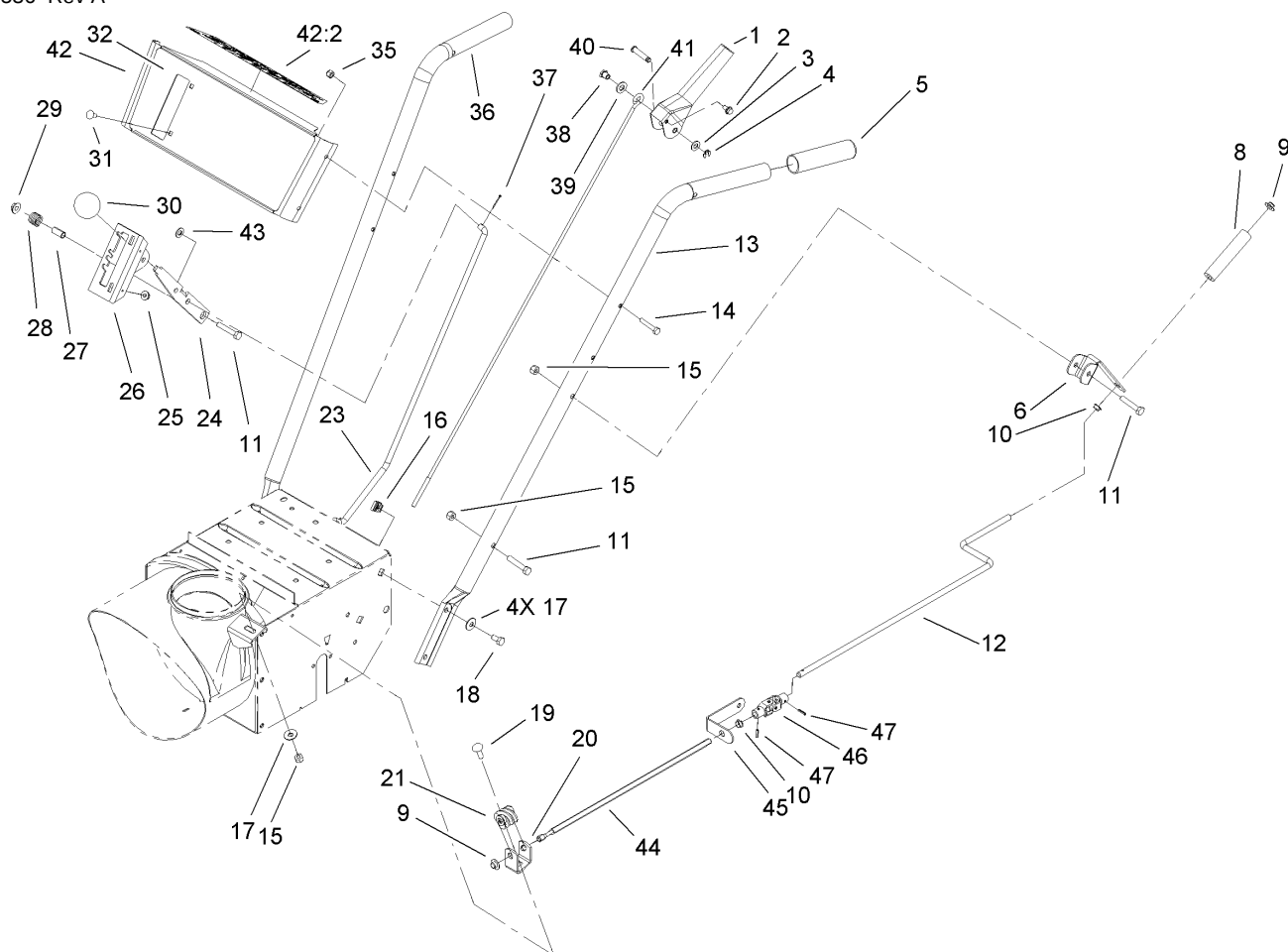
Ref	Part No.	Qty.	Description
1	322-2	4	Screw-HH
2	20-1620	2	Bearing-Wheel, Friction
3	5-7570	2	Washer-Flat
4	37-6500	1	Pinion
5	37-6780	1	Shaft-Wheel, Friction
6	3296-16	1	Nut-Lock, NI
7	37-8880	1	Spring-Traction
8	3296-29	4	Nut-Lock, NI
9	39-1230	1	Bracket-Sliding
10	32144-4	4	Screw-HWH
11	37-6570	1	Wheel-Friction
12	36-4790	2	Washer-Thrust
13	39-1520	1	Hub-Wheel, Friction
14	3257-24	1	Key-Woodruff
15	3296-48	1	Nut-Lock, NI
16	39-1250	1	Cam-Receiver
17	321-4	1	Screw-HH
18	32144-70	5	Screw-HWHTF
19	10-9280	2	Washer-Special
20	37-9160	1	Internal Gear And Bushing ASM
21	37-6760	1	Shaft-Pivot
22	32121-45	2	Pin-Spring
23	37-6520	1	Gear-Axle
24	74-1350	1	Shaft-Axle

Ref	Part No.	Qty.	Description
25	32121-9	2	Pin-Roll, Slotted
26	3-8664	2	Washer-Thrust
27	37-6850	2	Bearing-Axle
28	3290-243	2	Pin-Lynch
29	32144-4	4	Screw-HWH
① ② 30			1 LH Wheel And Tire ASM
① 30:1	232-27	1	Stem-Valve
① 30:2	241-131	1	Rim-Wheel
① 30:3	112-6609	1	Tire
② 31			1 RH Wheel And Tire ASM
31:1	232-27	1	Stem-Valve
31:2	241-131	1	Rim-Wheel
31:3	112-6609	1	Tire



Engine Assembly

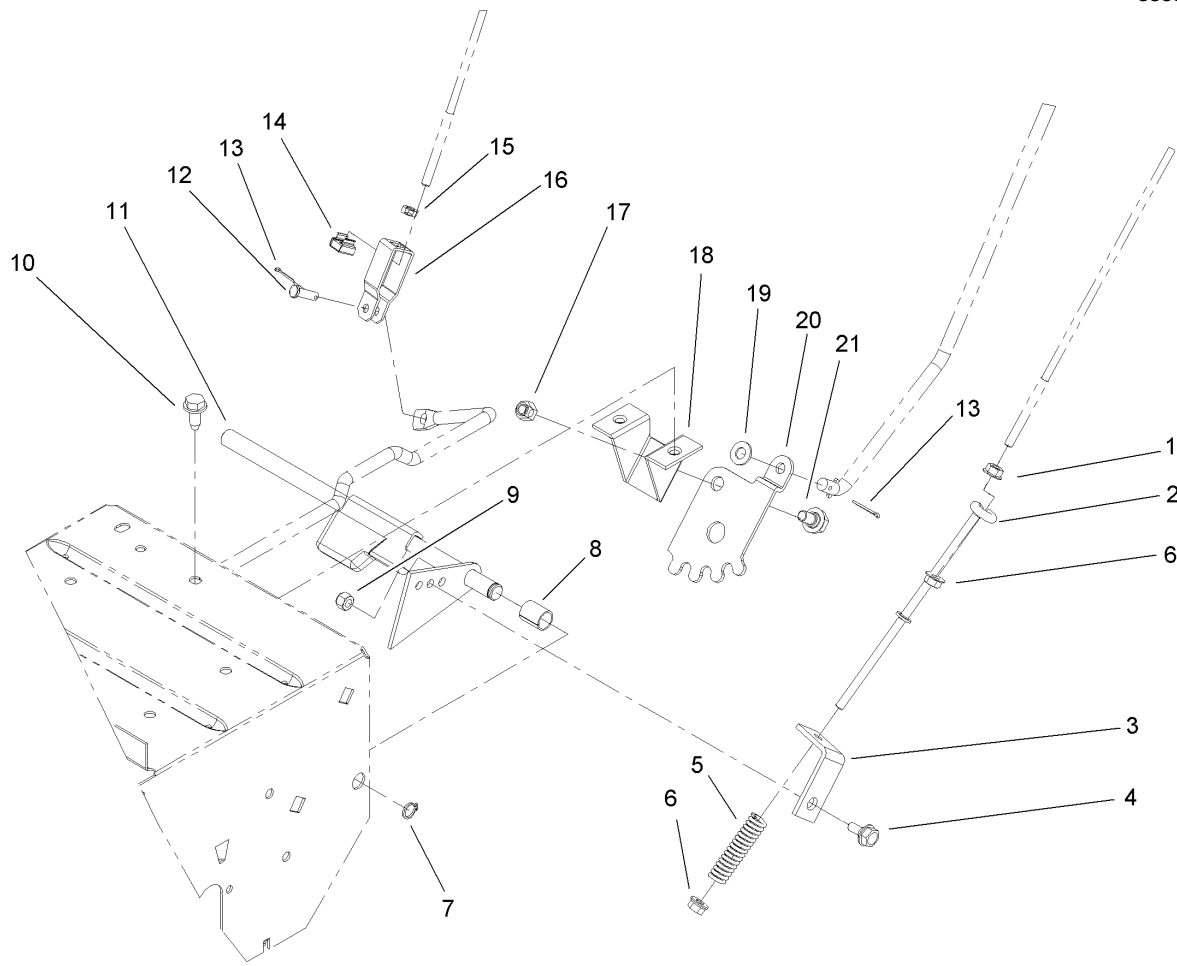
Ref	Part No.	Qty.	Description				
1		1	Engine-Tecumseh, Oh195Sa-72563G				
6	3296-29	10	Nut-Lock, NI				
7	289-34	1	Nipple-Pipe				
8	288-2	1	Cap-Pipe				
10	32144-4	6	Screw-HWH				
11	37-6830-01	1	Cover-Traction, Lower				
12	3256-23	5	Washer-Flat				
13	322-7	4	Screw-HH				
14	322-2	6	Screw-HH				
15	37-6900	1	Cover-Belt				
16	43-7290	1	Screw-Special				
17	26-9672	1	V-Belt				
18	37-9090	1	V-Belt-3L, Traction				
19	74-1370	1	Pulley-Engine				
20	3210-3	1	Screw-HH				
21	3255-8	1	Washer-Lock				
22	37-8990	1	Retainer-Belt				



Handle and Control Assembly

Ref	Part No.	Qty.	Description
1	94-8887-03	2	Handle-Control
2	3234-13	2	Screw-HHF
3	3256-23	2	Washer-Flat
4	32151-73	2	Ring-Clip
5	112-6615	2	Grip-Handle
6	110-6297	1	Bracket-Rod, Upper Chute
8	40-8230	1	Grip-Control, Chute
9	3290-320	2	Retainer-Push On
10	256-249	2	Bushing
11	322-9	3	Screw-HH
12	110-6293	1	Rod-Chute, Upper
13	110-6296-03	1	Handle-Left
14	321-9	4	Screw-HH
15	3296-29	3	Nut-Lock, NI
16	3290-196	4	Nut
17	3290-456	5	Washer-Belleville
18	322-2	4	Screw-HH
19	3230-22	1	Screw-CARR
20	110-6298	1	Bracket-Worm
21	40-8250	1	Gear-Worm, Chute
23	39-7570	1	Rod-Selector, Speed
24	37-8820-03	1	Selector-Speed
25	32128-33	2	Nut-HF
26	39-1280-03	1	Mount-Selector, Speed

Ref	Part No.	Qty.	Description
27	40-8130	1	Spacer
28	37-9150	1	Spring
29	32128-13	1	Nut-HF
30	233-21	1	Knob
31	3229-11	2	Screw-CARR
32	112-6637	1	Decal-Escutcheon
35	3296-42	4	Nut-Lock, NI
36	52-5561-03	1	Handle-Right
37	3272-4	1	Pin-Cotter
38	47-4990	2	Post-Mounting, Linkage
39	3256-24	2	Washer-Flat
40	52-5600	2	Pin-Lever, Control
41	52-5590	2	Link-Upper
42	112-6643	1	Escutcheon Panel ASM
42:2	112-6624	1	Decal-Escutcheon, Back
43	3256-23	1	Washer-Flat
44	110-6292	1	Rod-Chute, Lower
45	110-6295	1	Bracket-Rod, Lower
46	94-2686	1	Joint-Universal
47	32121-73	2	Pin-Roll

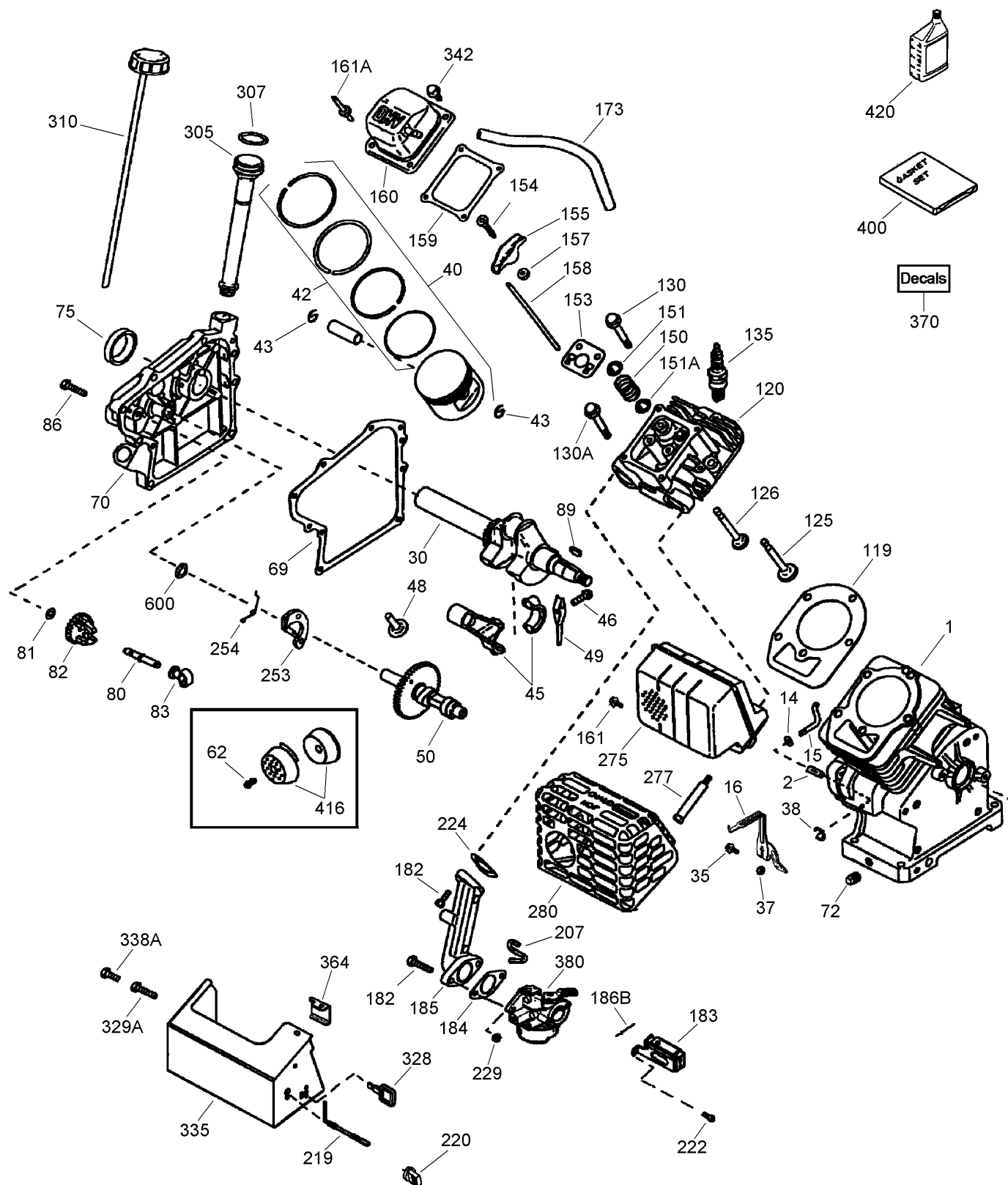


Control Assembly

Ref	Part No.	Qty.	Description				
1	32128-33	1	Nut-HF				
2	39-3060	1	Rod-Traction, Lower				
3	38-4490	1	Bracket-Traction				
4	40-8350	1	Screw				
5	38-4520	1	Spring				
6	32128-32	2	Nut-HHF				
7	32151-61	1	Ring-Retaining				
8	40-9680	1	Spacer				
9	3296-42	1	Nut-Lock, NI				
10	32144-70	2	Screw-HWHTF				
11	43-7310-03	1	Traction Arm ASM				
12	1-808265	1	Pin-Clevis				
13	3272-4	2	Pin-Cotter				
14	32115-5	1	Nut-Retained				
15	3218-1	1	Nut-Jam				
16	39-3080	1	Clevis				
17	3296-29	1	Nut-Lock, NI				
18	37-8790	1	Mount-Lever				
19	3256-23	1	Washer-Flat				
20	37-8800	1	Gear-Quadrant				
21	37-8770	1	Bolt-Shoulder				

Engine Assembly No. 1

Tecumseh OH195SA-72563G



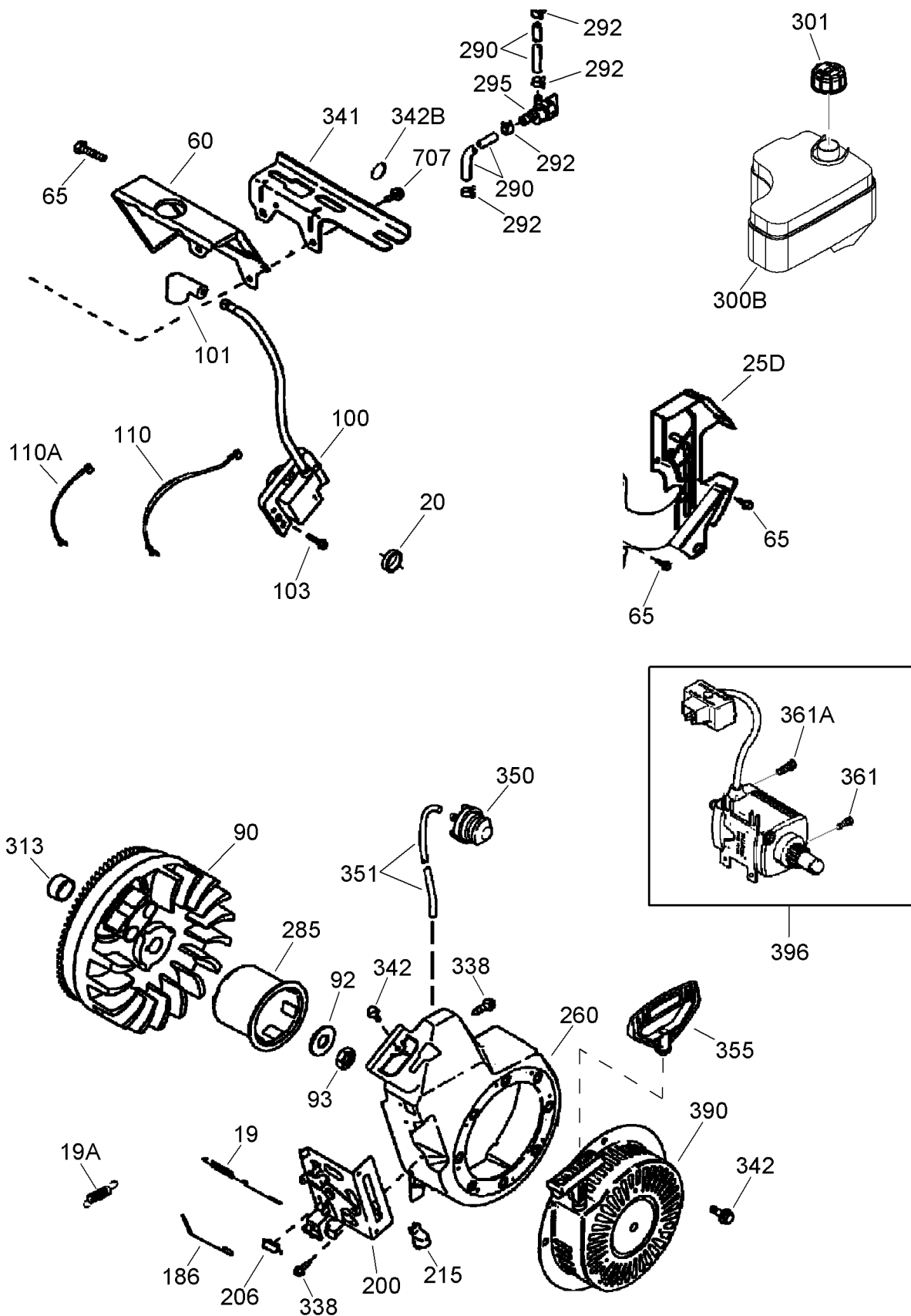
Engine Assembly No. 1

Tecumseh OH195SA-72563G

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	37120B	1	Cylinder ASM (Includes 2, 20, 72, 72A, 325, 325A)	160	36630B	1	Cover-Arm, Rocker
2	26727	2	Pin-Dowel	161	651085	2	Screw (1/4-20 X 19/32)
14	651052	1	Washer	161A	651012	1	Stud
15	37108	1	Rod-Governor (Includes 38)	173	37676	1	Tube-Breather
16	37110	1	Lever-Governor	182	650451	4	Screw (1/4-20 X 1)
30	34740	1	Crankshaft ASM	183	36867	1	Bracket-Choke
35	651053	1	Screw (10-32 X 63/64)	184	26756	1	Gasket-Carburetor To Intake Pipe
37	651116	1	Nut-Square	185	36631	1	Pipe-Intake
38	37109	1	Ring-Retaining	186B	36652	1	Spring-Choke
40	40005	1	Piston, Pin And Ring Set (.010 O S)	207	36632	1	Link-Throttle
40	40004	1	Piston, Pin And Ring Set (STD)	219	36868	1	Rod-Choke
42	40007	1	Ring Set (.010 O S)	220	35438	1	Knob-Control
42	40006	1	Ring Set (STD)	222	28820	2	Screw (10-32 X 1/2)
43	20381	2	Ring-Retaining, Piston Pin	224	36581	1	Gasket-Pipe, Intake
45	32875A	1	Connecting Rod ASM (Includes 46, 49)	229	650852	4	Nut (1/4-20)
46	32610A	2	Bolt-Rod, Connecting	253	36701	1	Weight-Release, Compression
48	35616A	1	Lifter-Valve	254	36702	1	Spring-Release, Compression
49	36611	1	Dipper-Oil	275	37595A	1	Discharge-Muffler, Carburetor Side
50	37040	1	Camshaft (Includes 150, 253, 254)	277	650988	2	Screw (1/4-20 X 2-9/32)
62	650760	1	Screw (8-32 X 3/8)	280	37069	1	Shield-Heat
69	36624	1	Gasket-Cover, Cylinder	305	36877	1	Tube-Fill, Oil
70	36625	1	Cover-Cylinder (Includes 75 - 83)	307	35499	1	O-Ring
72	27642	3	Plug-Drain, Oil (SQH 1/4-18)	310	36878	1	Dipstick
75	27897	1	Seal-Oil	328	35062	1	Key, Ignition
80	30574A	1	Shaft-Governor	329A	651060	1	Screw (8-32 X 23/64)
81	30590A	1	Washer	335	36873A	1	Cover-Carburetor
82	30591	1	Governor Gear ASM (Includes 81)	338A	28942	1	Screw (10-32 X 3/8)
83	36057	1	Spool-Governor	342	651008	6	Screw (1/4-20 X 31/64)
86	650488	8	Screw (1/4-20 X 1-1/4)	364	36872	1	Bracket-Cover, Carburetor
89	610961	1	Key-Flywheel	370	36695	1	Decal-Tecumseh Logo For Top Of Recoil Starter
119	36719	1	Gasket-Head, Cylinder	370	36534A	1	Instruction Decal - Caution - Read Owner's Manual
120	37474	1	Head-Cylinder	370	36501	1	Decal-Primer-International Symbol
125	36472	1	Valve-Exhaust (1/32 O S) (Includes 151)	370	37119	1	Decal-Warning (Bilingual)
125	36471	1	Valve-Exhaust (STD) (Includes 151)	370	37948	1	Decal - Hot Surfaces
126	37711	1	Valve-Intake (STD) (Includes 151, 151A)	370	37433	1	Decal - Electric-Start Button
130	650912	4	Screw (5/16-18 X 1-1/2)	370	36899	1	Decal - Speed Control, Choke And Key
130A	650999	1	Screw (5/16-18 X 2-41/64)	380	640058A	1	Carburetor ASM (Includes 184)
135	34645	1	Spark Plug-Resistor (R N 4C)	400	36720	1	Gasket Set
150	37039	2	Spring-Valve	416	36085	1	Spark Arrestor Kit
151	31673	2	Cap-Valve, Spring	420	730226A	1	Oil-Engine, Sae 5W30
151A	40016A	1	Seal-Valve, Intake	600	651013	1	Washer
153	36649	1	Guide-Rod, Push	700	907366A	1	Engine Replacement
154	650913	2	Stud-Arm, Rocker	701	754323B	1	Short Block Replacement
155	35624A	2	Arm-Rocker	999	730296	1	Winter Maintenance Kit (Includes 0W30 Synthetic Oil)
157	650914	2	Nut (1/4-28)	999	730286	1	Winter Maintenance Kit (Includes 5W30 Oil)
158	36629	2	Rod-Push				
159	35626	1	Gasket-Cover, Rocker Arm				

Engine Assembly No. 2

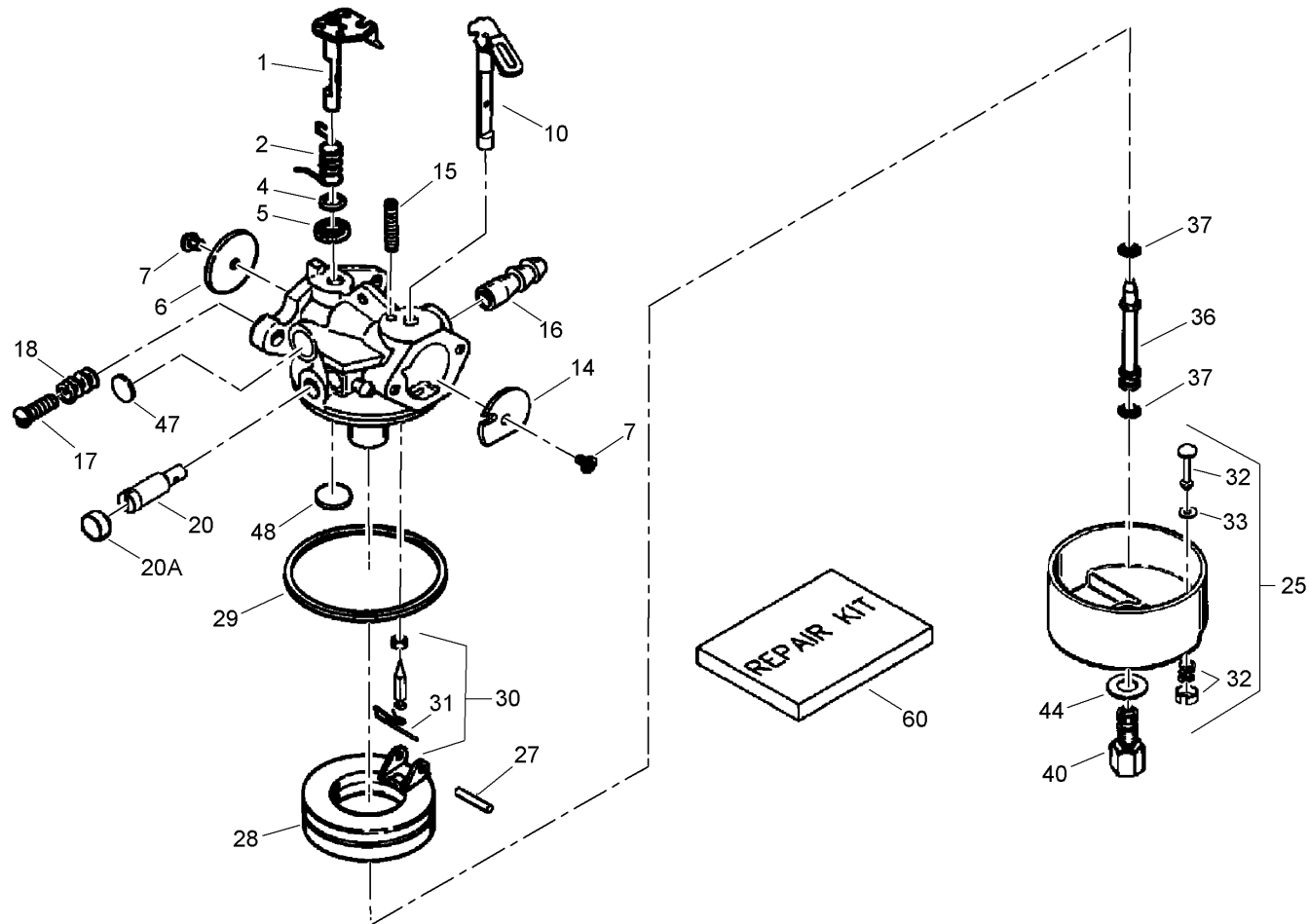
Tecumseh OH195SA-72563G



Engine Assembly No. 2

Tecumseh OH195SA-72563G

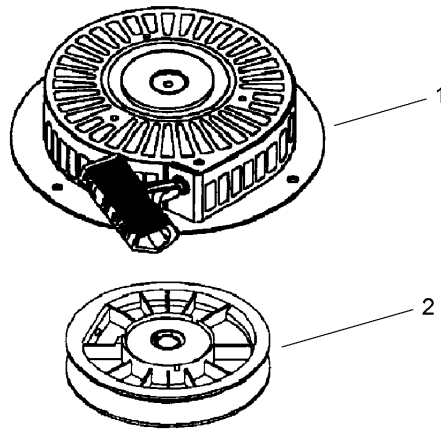
Ref	Part No.	Qty.	Description				
③19	37111	1	Spring-Throttle				
③19A	36750	1	Spring-Governor				
③20	32600	1	Seal-Oil				
③25D	37710	1	Baffle-Air (1 Piece, Electric Start)				
③60	36623A	1	Extension-Housing, Blower				
③65	30200	3	Screw (10-24 X 9/16)				
③90	611216	1	Flywheel 18 Watt, W/Ring Gear				
③92	650815	1	Washer-Belleville				
③93	650816	1	Nut-Flywheel				
③100	34443C	1	Ignition-Solid State				
③101	610118	1	Cover-Spark Plug				
③103	651007	2	Screw (T-15, 10-24 X 15/16)				
③110	36230	1	Wire-Ground (Green, 9.0)				
③110A	36874	1	Wire-Ground (Green, 5.5)				
③186	36711	1	Link-Governor				
③200	36824A	1	Bracket-Control (Includes 206 And 215)				
③206	610973	1	Terminal				
③215	32410	1	Knob-Control				
③260	36901	1	Housing-Blower				
③285	35985C	1	Cup-Starter				
③290	37962	1	Line-Fuel, Low Permeation (8.62)				
③290	37963	1	Line-Fuel, Low Permeation (16.0)				
③292	26460	4	Clamp-Line, Fuel				
③295	35857	1	Valve-Shut-Off, Fuel (Includes 292) (Also Available In Packaged Part 740073)				
③300B	37048	1	Fuel Tank ASM (Includes 292 And 301) 3.5 Quart				
③301	37845	1	Cap-Fuel (Red Plastic) (1-1/2 Id)				
③313	34080	1	Spacer				
③338	650821	8	Screw (10-32 X 1/2)				
③341	36644A	1	Bracket-Tank, Fuel				
③342	651008	6	Screw (1/4-20 X 31/64)				
③342B	651086	2	Washer-Rubber				
③350	570682A	1	Primer ASM (Also Available In Packaged Part 740101)				
③351	32180C	1	Line-Primer				
③355	590574	1	Handle-Starter, Mitten Grip				
③361	650990	3	Screw (T-30, 1/4-20X15/32)				
③361A	650819	1	Screw (6-32X2-1/2)				
③390	590749	1	Starter-Rewind				
③396	37217	1	Electric Starter Motor 220 Volt				
③707	651085	2	Screw (1/4-20 X 19/32)				



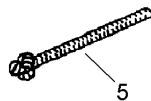
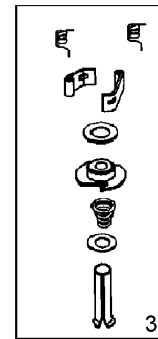
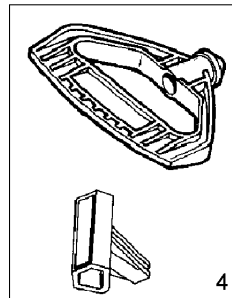
Carburetor Assembly No. 640058A
Tecumseh OH195SA-72563G

Ref	Part No.	Qty.	Description
❶❶0	640058A	1	Carburetor ASM
❶❶1	631615	1	Throttle Shaft And Lever ASM
❶❶2	631767	1	Spring-Return, Throttle
❶❶44	631184	1	Washer-Seal, Dust
❶❶45	631183	1	Dust Seal (Throttle)
❶❶6	631036	1	Shutter-Throttle
❶❶47	650506	2	Screw-Shutter
❶❶10	632118	1	Choke Shaft And Lever ASM
❶❶14	631890	1	Shutter-Choke
❶❶15	630735	1	Spring-Positioning, Choke
❶❶16	632164	1	Fitting-Fuel
❶❶17	651025	1	Screw-Throttle Crack/Idle Speed
❶❶18	630766	1	Spring-Tension
❶❶20	640027	1	Spring-Restrictor, Idle
❶❶20A	640053	1	Cap-Screw, Idle Restrictor
❶❶25	631951	1	Float Bowl ASM
❶❶25	631867	1	Bowl-Float (No Drain)
❶❶427	631024	1	Shaft-Float
❶❶28	632802	1	Float (Plastic)
❶❶429	631028	1	O-Ring-Bowl, Float
❶❶430	631021	1	Inlet Needle, Seat And Clip ASM
❶❶31	631022	1	Clip-Spring
❶❶32	27136A	1	Bowl Drain ASM
❶❶33	27554	1	Gasket-Plunger, Drain

Ref	Part No.	Qty.	Description
❶❶36	640019	1	Tube-Nozzle, Main
❶❶437	632547	2	O-Ring-Nozzle Tube, Main
❶❶40	640059	1	Nut-Bowl, High Speed
❶❶44	27110A	1	Washer-Nut, Bowl
❶❶47	630748	1	Plug-Welch, Idle Mixture Well
❶❶48	631027	1	Plug-Welch, Atmospheric Vent
❶❶60	632760	1	Repair Kit

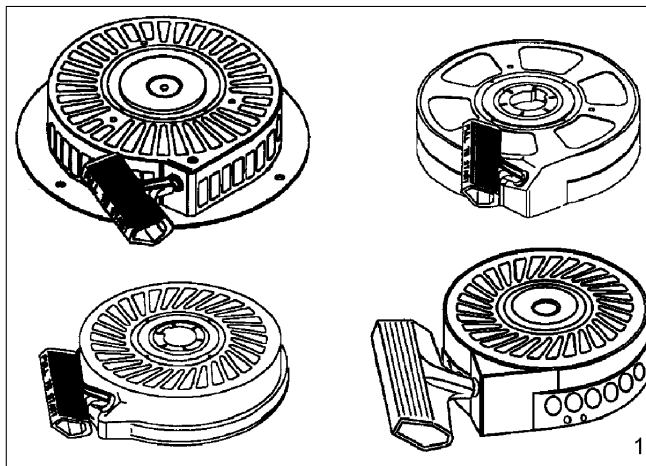


This illustration may not depict actual equipment and is for reference purposes only

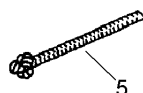
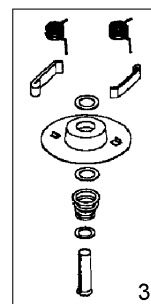
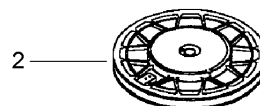
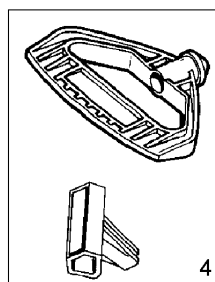


Rewind Starter No. 590749
Tecumseh OH195SA-72563G

Ref	Part No.	Qty.	Description
❸1	590749	1	Starter-Rewind
❸2	590682	1	Pulley And Rewind Spring ASM
❸3	590773	1	Repair Kit
❸4	590574	1	Handle-Starter, Mitten Grip
❸5	590535	1	98 Starter Rope (Cut To Length)



This illustration may not depict actual equipment and is for reference purposes only



Recoil Starter No. 590733 (Optional)
Tecumseh OH195SA-72563G

Ref	Part No.	Qty.	Description
❸1	590733	1	Starter-Rewind
❸2	590709	1	Pulley And Rewind Spring ASM
❸3	590774	1	Repair Kit
❸4	590574	1	Handle-Starter, Mitten Grip
❸5	590535	1	98 Starter Rope (Cut To Length)

Attachments and Accessories

For 38607 - 622E Power Throw Snowthrower

Product Name	Model/Part
22 Inch Drift Breaker	37-7022
Tire Chain Kit	56-2700
Snow Cab	88-0600

NOTES

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