



Insight® Snowthrower

Model No. 34002 - 280000001 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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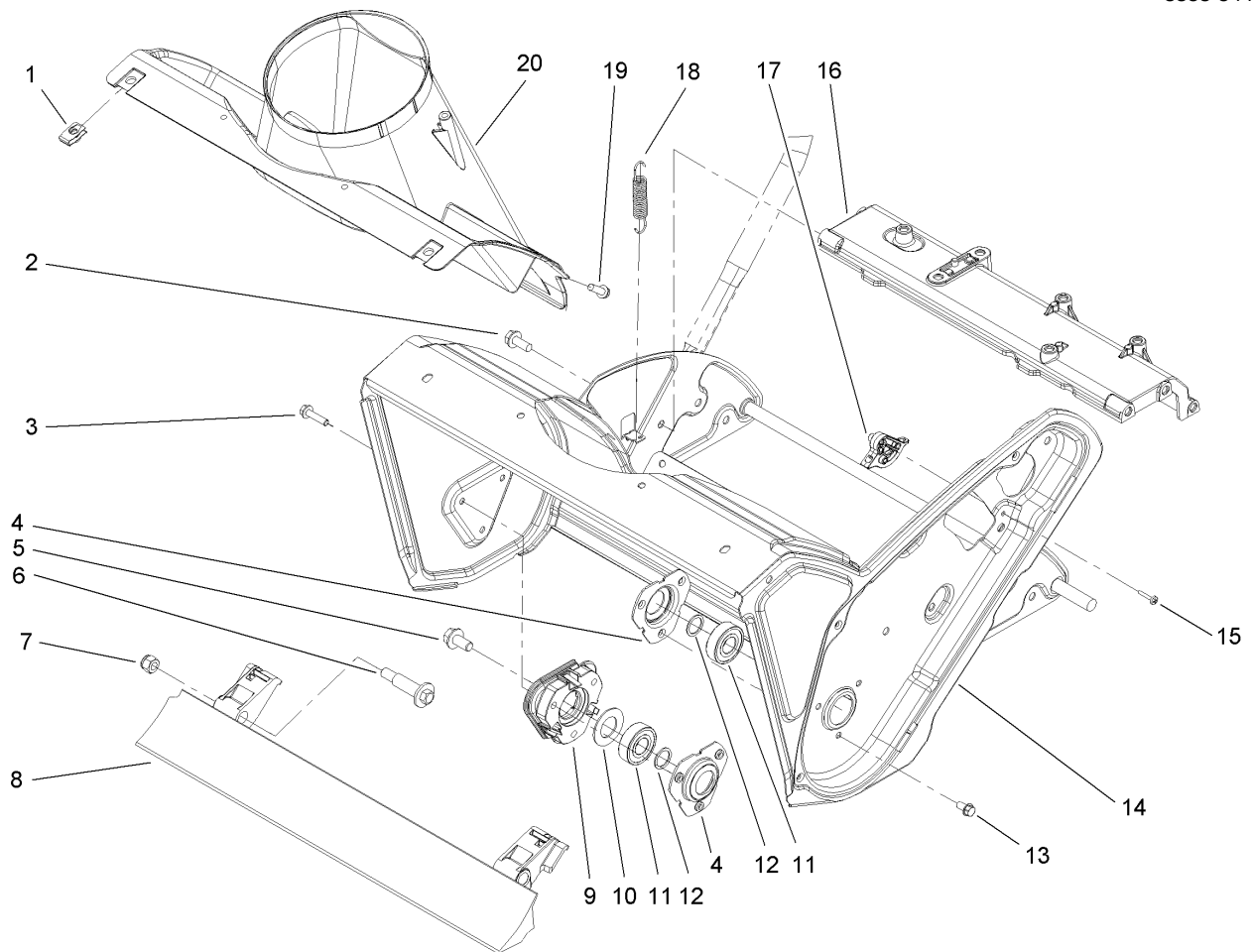
Part Description Abbreviations

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

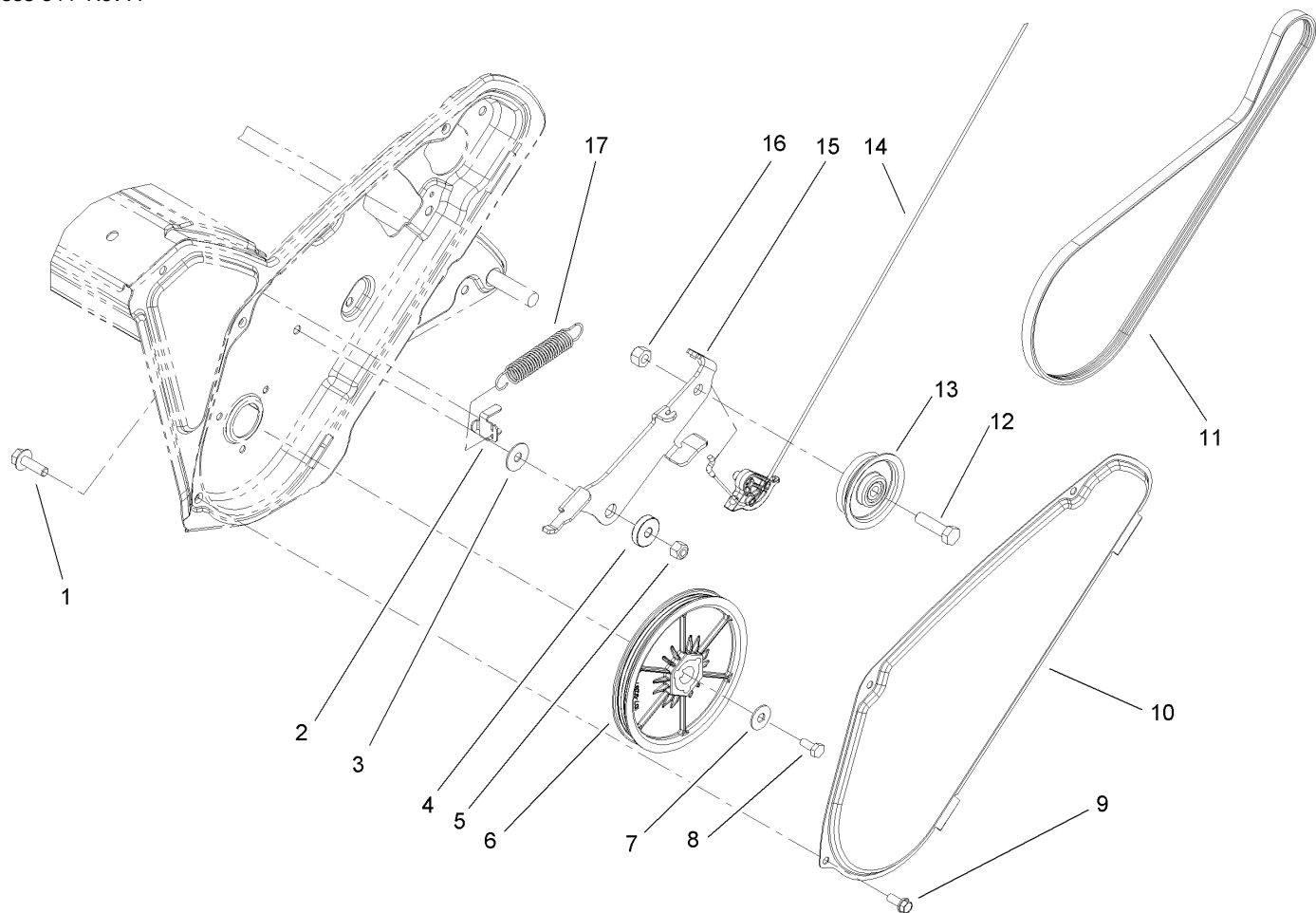
Footnotes

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



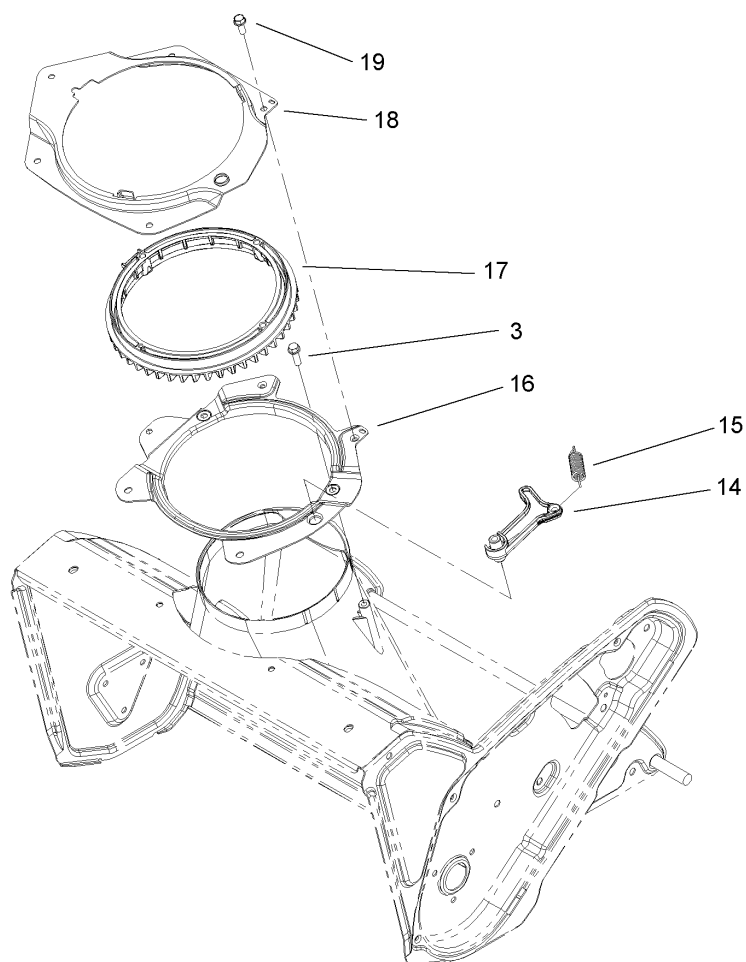
Rotor Housing and Scraper Assembly

Ref	Part No.	Qty.	Description				
1	107069	2	Clip				
2	32144-11	6	Screw-HWHTF				
3	32144-86	3	Screw-HWHTF				
4	108-4943	2	Flange-Bearing				
5	110-9380	1	Screw-HWH				
6	56-6590	2	Bolt-Wheel				
7	3296-39	2	Nut-Lock, NI				
8	108-4884	1	Blade-Scraper				
9	114-3781	1	Spacer-Bearing, RH				
10	110-9353	1	Washer-Rubber				
11	100-1048	2	Bearing-Ball				
12	52-7280	2	Washer-Thrust				
13	32144-4	3	Screw-HWH				
14	108-4868-03	1	Housing-Auger				
15	94-4496	1	Screw-PPH				
16	108-4905	1	Brace-Frame				
17	108-4919	1	Guide-Cable, Clutch				
18	108-4906	2	Spring-Extension				
19	46-8091	3	Screw-HWH				
20	108-4871	1	Chute-Lower				



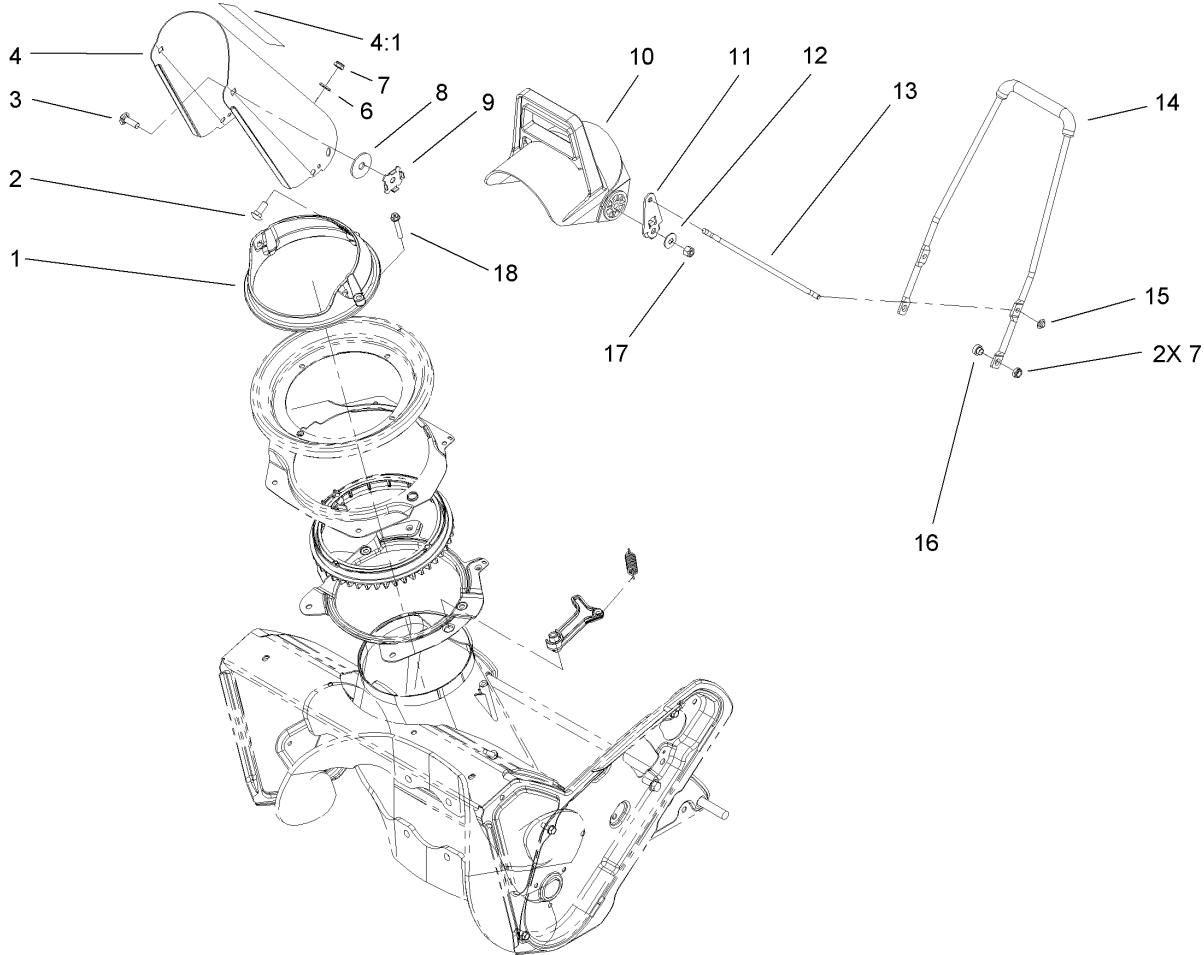
Rotor Drive Assembly

Ref	Part No.	Qty.	Description				
1	3234-29	1	Screw-HHF				
2	108-4938	1	Clip-Spring, Brake				
3	108-4925	1	Washer				
4	108-4916	1	Bushing-Pivot				
5	3296-29	1	Nut-Lock, NI				
6	107-9287	1	Rotor Pulley ASM				
7	3290-456	1	Washer-Belleville				
8	110-9381	1	Screw-HH				
9	32144-85	3	Screw-HWH				
10	108-4893-03	1	Cover-Belt				
11	108-4921	1	Belt-Drive				
12	323-29	1	Screw-HH				
13	114-3785	1	Pulley-Idler				
14	55-9320	1	Clutch Cable				
15	114-3782	1	Arm-Idler				
16	32152-2	1	Nut-Lock, Cone				
17	114-3788	1	Spring-Extension				



Chute Ring Assembly

Ref	Part No.	Qty.	Description
3	46-8091	4	Screw-HWH
14	108-4926	1	Pawl-Detent
15	80-4600	1	Spring-Extension
16	108-4883-03	1	Ring-Support, Chute
17	108-4922	1	Ring-Chute, Detent
18	108-4874-03	1	Retainer-Ring, Chute
19	32144-85	2	Screw-HWH

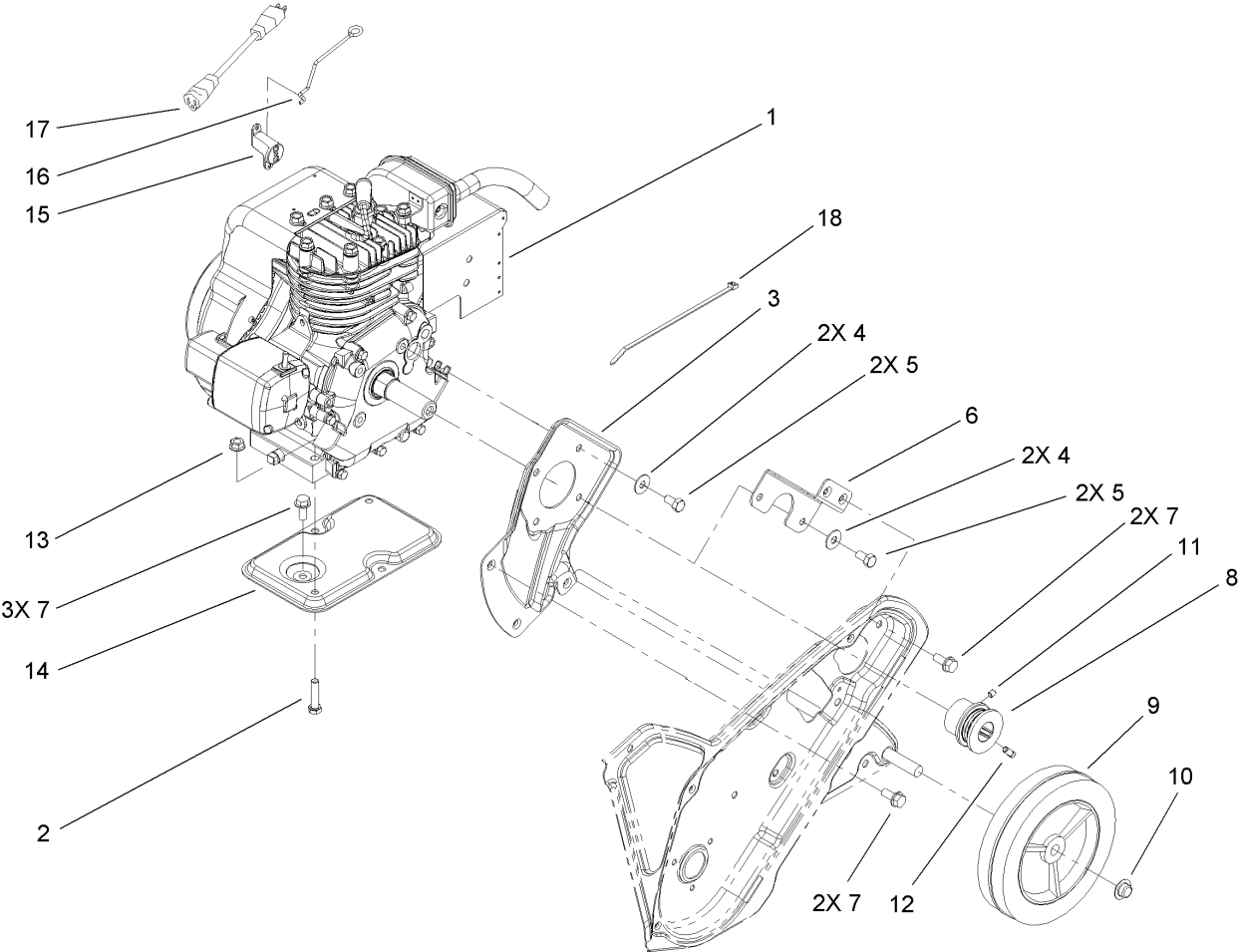


Chute Assembly

Ref	Part No.	Qty.	Description				
1	112-1546	1	Ring-Chute				
2	3230-16	3	Screw-CARR				
3	3230-22	2	Screw-CARR				
4	104-4115	1	Chute ASM				
4:1	104-4135	1	Decal-Danger				
6	3256-70	1	Washer-Flat				
7	3296-47	3	Nut-Lock, NI				
8	20-4320	2	Washer-Rubber				
9	55-8950	2	Plate-Friction				
10	56-2680	1	Chute-Deflector				
11	112-1521	2	Chute-Pivot Arm				
12	3290-456	2	Washer-Belleville				
13	110-1827	2	Linkage-Chute				
14	110-1829	1	Handle-Foam				
15	108-9378	2	Retainer-Push On				
16	110-2158	2	Spacer-Flanged				
17	3296-29	2	Nut-Lock, NI				
18	108-4946	3	Screw-Plastite				

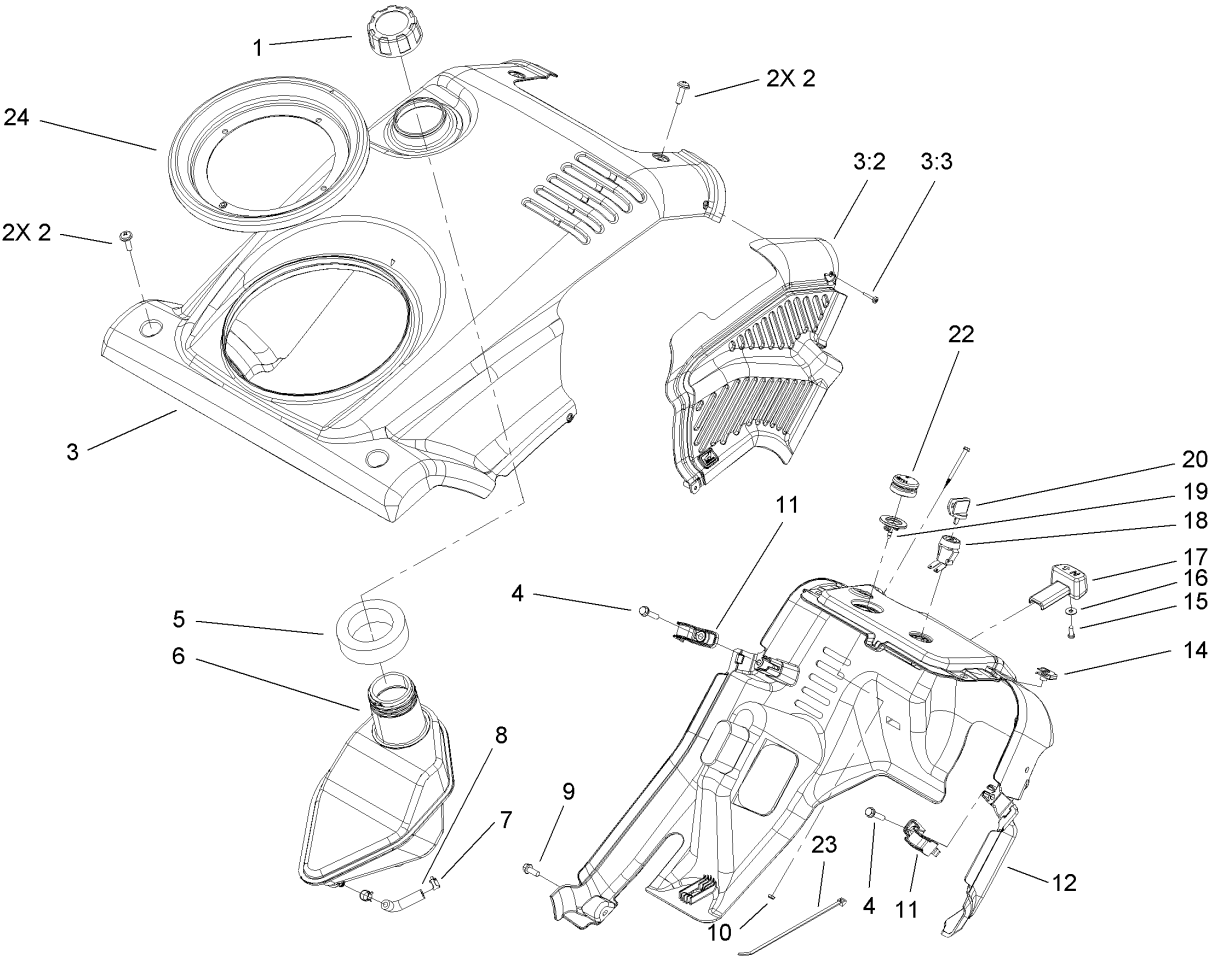


Ref	Part No.	Qty.	Description				
1	55-9370	4	Spacer-Blade, Rotor				
2	66-6600-03	2	Half-Rotor				
3	321-4	4	Screw-HH				
4	3296-56	13	Nut-Lock, NI				
5	321-8	1	Screw-HH				
6	99-9313	2	Blade-Rotor				
7	84-1971	8	Screw				
8	108-4894-03	1	Rotor				



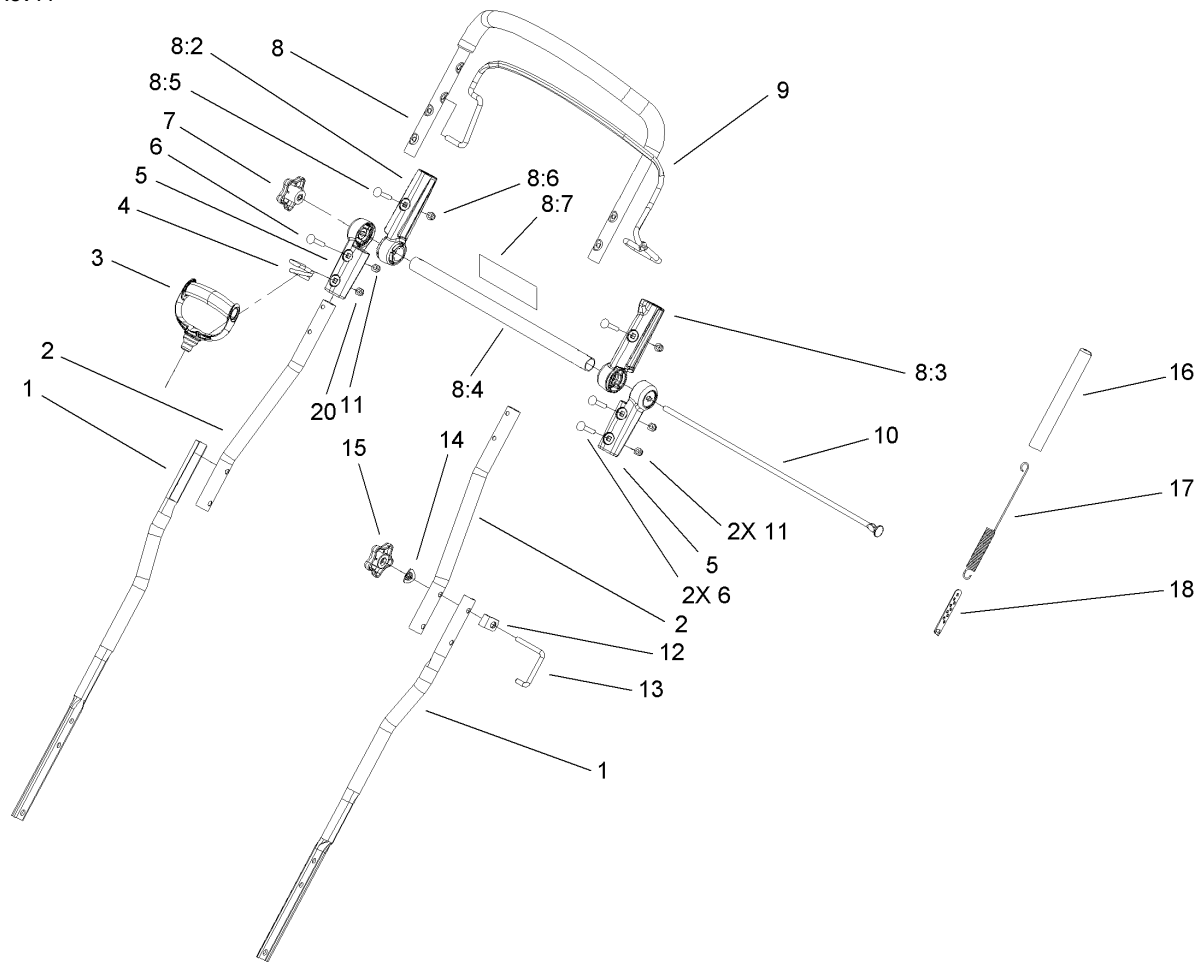
Engine, Frame and Wheel Assembly

Ref	Part No.	Qty.	Description				
1		1	Engine-Tecumseh, LH195Sp-67530D				
2	322-17	2	Screw-HH				
3	108-4892-03	1	Plate-Engine, PTO				
4	3290-456	4	Washer-Belleville				
5	3210-2	4	Screw-HH				
6	110-9354-03	1	Support-Engine, Side				
7	32144-11	7	Screw-HWHTF				
8	108-4934	1	Pulley-Engine, 4 Cycle				
9	66-6510	2	Wheel				
10	32112-14	2	Nut-Push				
11	3245-32	1	Screw-HSH				
12	3241-7	1	Screw-SQH				
13	32128-20	2	Nut-HF				
14	108-4902-03	1	Support-Engine				
15	110-9362	1	Bellcrank-Choke, 4 Stroke				
16	110-9365	1	Link-Choke Knob, L-Head				
17	99-9300	1	Cord-Extension				
18	614249	1	Strap-Tie				



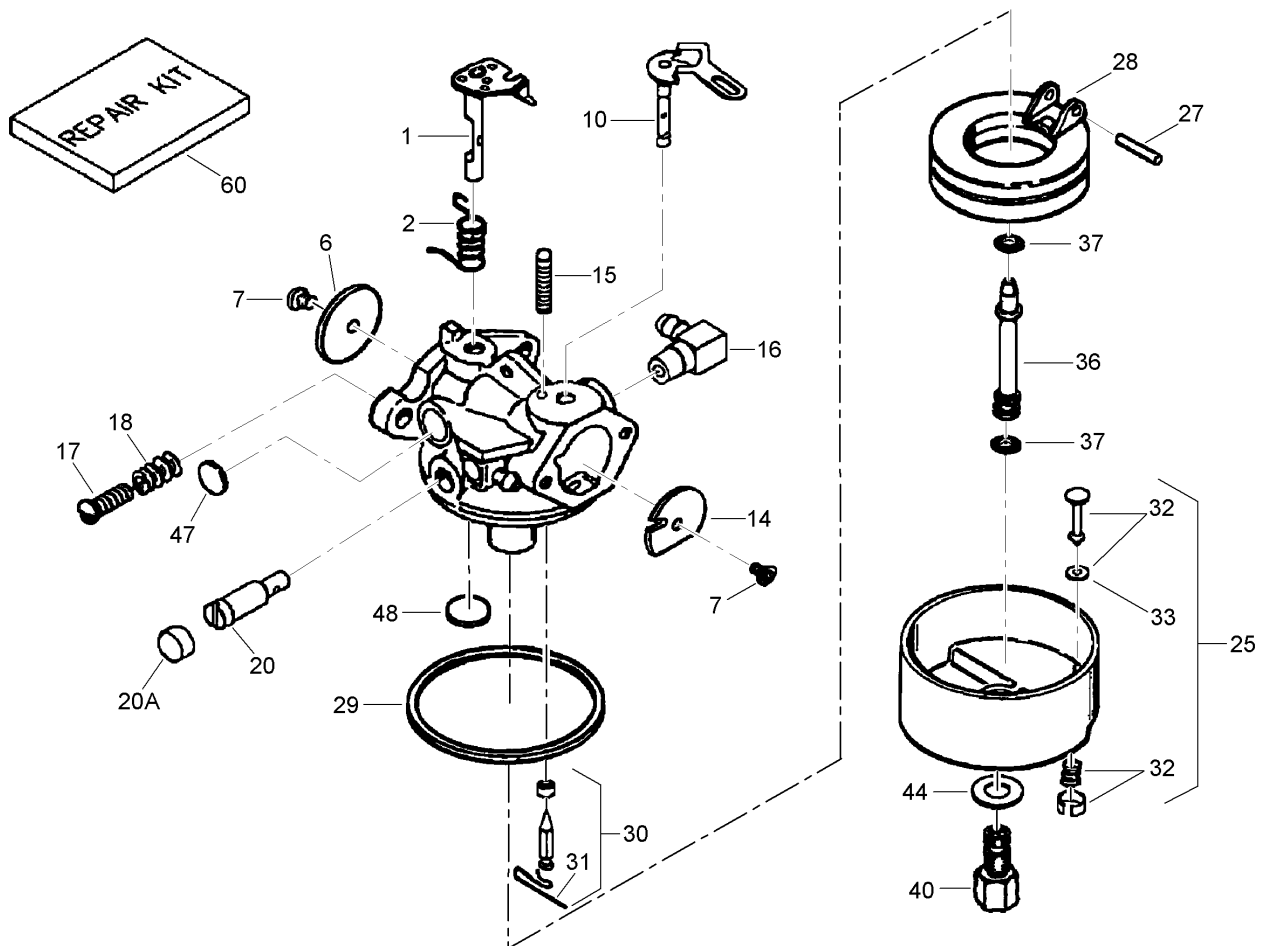
Shroud, Control Panel and Gas Tank Assembly

Ref	Part No.	Qty.	Description				
1	114-3764	1	4-Cycle Gas Cap ASM				
2	110-9361	4	Screw-PPH, Sems				
3	114-3761	1	Shroud ASM				
3:2	114-3794	1	Baffle-Heat, 4-Cycle				
3:3	94-4496	2	Screw-PPH				
4	46-8092	2	Screw-Plastite				
5	114-3773	1	Seal-Tank				
6	108-4880	1	Tank-Gas				
7	2412-98	2	Clamp				
8	114-3765	1	Hose-Fuel				
9	32144-85	1	Screw-HWH				
10	3296-9	2	Nut-Lock				
11	108-4947	2	Clip-Shroud				
12	108-4930	1	Shroud-Lower				
14	107069	2	Clip				
15	32144-111	1	Screw-PPH				
16	3256-49	1	Washer-Flat				
17	110-9363	1	Knob-Choke				
18	40-5940	1	Switch				
19	44-2750	1	Body-Primer				
20	700918	1	Key				
22	66-7460	1	Bulb-Primer				
23	614249	1	Strap-Tie				
24	114-3772	1	Seal-Ring, Chute				



Handle Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	112-8752-03	2	Handle-Lower	18	71-5330	1	Adjuster-Cable, Clutch
2	112-8753-03	2	Handle-Upper	20	3296-73	1	Nut-Lock, NI
3	110-1778	1	Handle-Recoil				
4	110-9478	1	Guide-Rope				
5	107-3865	2	Mount-Handle, Lower				
6	108-0988	3	Screw-CARR				
7	107-3937	1	Knob				
8	112-1522	1	Upper Handle ASM				
8:2	110-1770	1	Mount-Handle, RH				
8:3	110-1769	1	Mount-Handle, LH				
8:4	107-3867-03	1	Tube-Cross				
8:5	108-0988	2	Screw-CARR				
8:6	3296-73	2	Nut-Lock, NI				
8:7	110-3417	1	Decal-Rotor Drive/Handle Height Knob				
9	110-9459-03	1	Bail-Brake				
10	107-3871	1	Rod-Threaded				
11	3296-73	3	Nut-Lock, NI				
12	2412-113	1	Clamp				
13	108-4887	2	Lock-Handle				
14	107-3844	2	Washer				
15	114-3779	2	Knob-Handle				
16	114-3796	1	Cover-Spring				
17	108-4920	1	Spring-Extension				



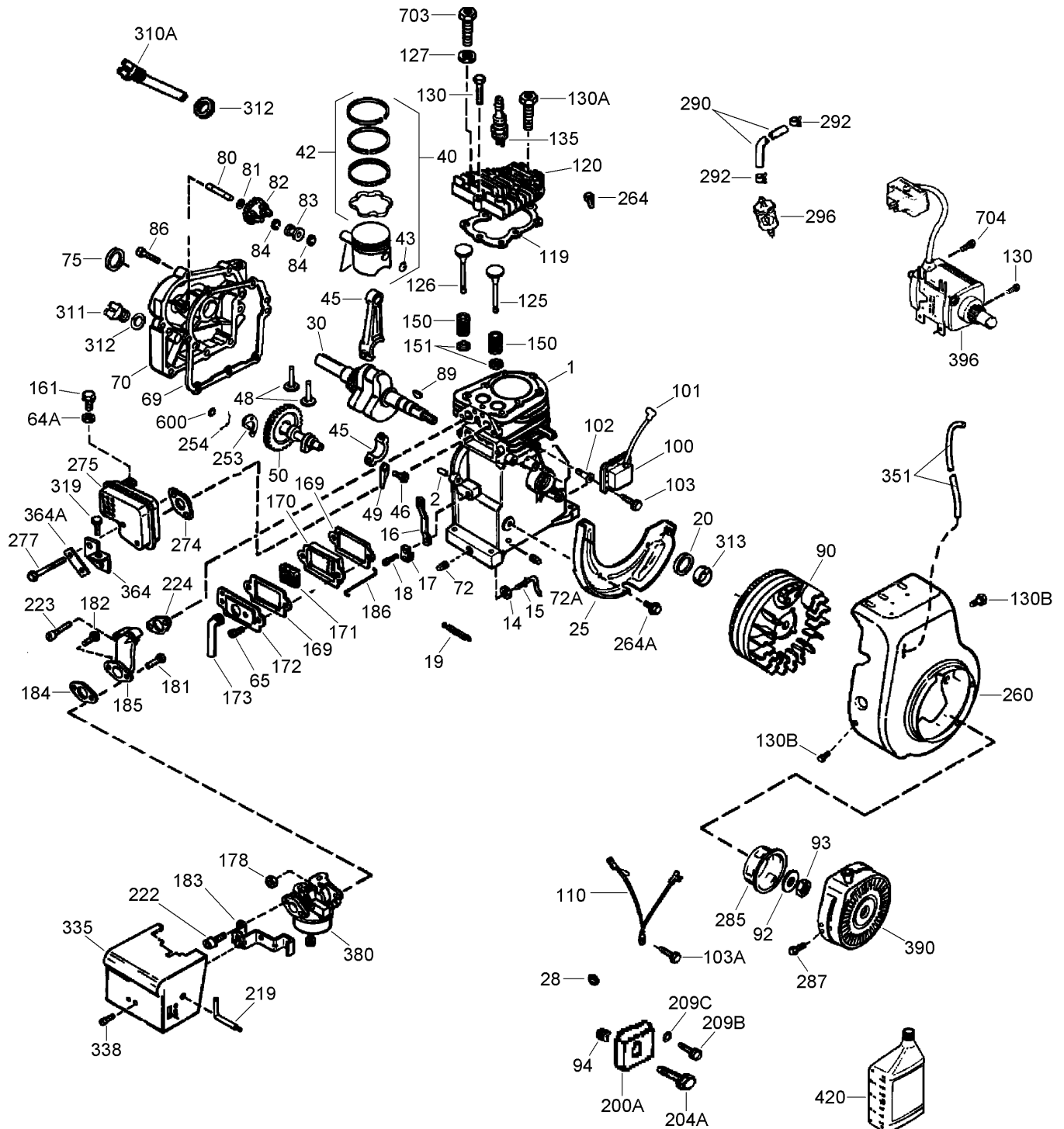
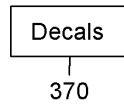
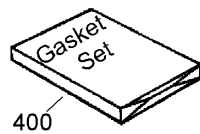
Carburetor Assembly No. 640299B Tecumseh LH195SP-67530D

Ref	Part No.	Qty.	Description
③	640299B	1	Carburetor (Includes 184 Of Engine Parts List)
③1	631615	1	Throttle Shaft And Lever ASM
③2	631767	1	Spring-Return, Throttle
③6	640070	1	Shutter-Throttle
③47	650506	2	Screw-Shutter
③10	632108	1	Choke Shaft And Lever ASM
③14	631890	1	Shutter-Choke
③15	630735	1	Spring-Positioning, Choke
③16	631808	1	Fitting-Inlet, Fuel
③17	651025	1	Screw-Throttle Crack And Idle Speed
③18	630766	1	Spring-Tension
③20	640027	1	Screw-Restrictor, Idle
③20A	640053	1	Cap-Screw, Idle Restrictor
③25	631867	1	Bowl-Float (No Drain) (After 1/01/2006)
③25	631951	1	Float Bowl ASM (Before 1/01/2006) (Includes 32-33)
③427	631024	1	Shaft-Float
③28	632802	1	Float (Plastic)
③429	631028	1	O Ring-Bowl, Float
③430	631021A	1	Inlet Needle, Seat And Clip ASM (Includes 31)
③31	631022	1	Clip-Spring

Ref	Part No.	Qty.	Description
③32	27136A	1	Bowl Drain ASM (Before 1/01/2006)
③433	27554	1	Gasket-Plunger, Drain (Before 1/01/2006)
③36	632745	1	Tube-Nozzle, Main
③437	632547	2	O-Ring
③40	640131	1	Nut-Bowl, High Speed
③444	27110A	1	Washer-Nut, Bowl
③447	630748	1	Plug-Welch, Idle Mixture Well
③448	631027	1	Plug-Welch, Atmospheric Vent
③60	632760B	1	Carburetor Repair Kit

Engine Assembly No. 1

Tecumseh LH195SP-67530D



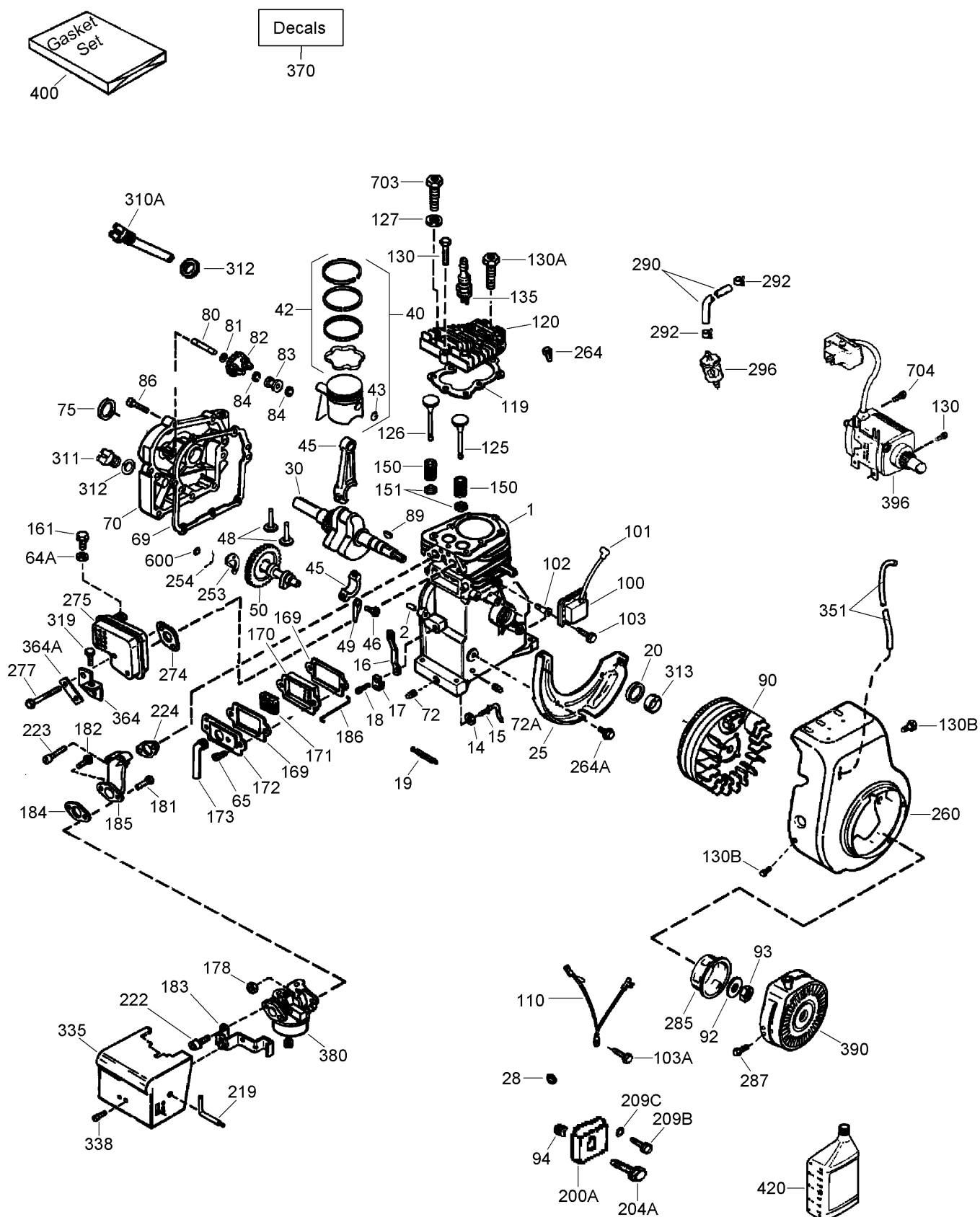
Engine Assembly No. 1

Tecumseh LH195SP-67530D

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
③1	36469A	1	Cylinder ASM (Includes 2, 20, 72, 125)	③125	36472	1	Valve-Exhaust (1/32 O S) (Includes 151)
③2	26727	2	Pin-Dowel	③125	36471	1	Valve-Exhaust (STD) (Includes 151)
③14	28277	1	Washer-Flat	③126	32645A	1	Valve-Intake (1/32 O S) (Includes 151)
③15	31334	1	Rod-Governor	③126	32644A	1	Valve-Intake (STD) (Includes 151)
③16	37729	1	Chute Idler Arm ASM	③127	650691	1	Washer-Flat
③17	31335	1	Clamp-Lever, Governor	③130	6021A	2	Screw (5/16-18X1-1/2)
③18	651018	1	Screw (T-15, 8-32 X 19/64)	③130A	650694A	5	Screw (5/16-18 X 2)
③19	30342	1	Spring-Extension	③130B	650737	2	Screw (1/4-20 X 1/2)
③20	32600	1	Seal-Oil	③135	35395	1	Spark Plug-Resistor (R J19 L M)
③25	36552	1	Baffle-Housing, Blower				
③28	30200	1	Screw (10-24 X 9/16)				
③30	37842	1	Crankshaft				
③40	40005	1	Piston, Pin And Ring Set (.010 O S) (Includes 41-43)				
③40	40004	1	Piston, Pin And Ring Set (STD) (Includes 41-43)				
③42	40007	1	Ring Set (.010 O S)				
③42	40006	1	Ring Set (STD)				
③43	20381	2	Ring-Retaining, Piston Pin				
③45	32875A	1	Connecting Rod ASM (Includes 46, 49)				
③46	32610A	2	Bolt-Rod, Connecting				
③48	37670	2	Lifter-Valve				
③49	32654	1	Dipper-Oil				
③50	37671	1	Camshaft (M C R)				
③64A	8345	1	Washer				
③65	650783	2	Screw (10-24 X 3/4)				
③69	27677A	1	Gasket-Cover, Cylinder				
③70	32700B	1	Cover-Cylinder (Includes 75-83, 311)				
③72	27642	2	Plug-Drain, Oil (SQH 1/4-18)				
③72A	28582	1	Plug-Pipe (Internal Hex, 1/4-18)				
③75	27897	1	Seal-Oil				
③80	30574A	1	Shaft-Governor				
③81	30590A	1	Washer-Flat				
③82	30591	1	Governor Gear ASM				
③83	30588A	1	Spool-Governor				
③84	29193	2	Ring-Retaining				
③86	650488	7	Screw (1/4-20 X 1-1/4)				
③89	610961	1	Key-Flywheel				
③90	611199	1	Flywheel (Ring Gear)				
③92	650815	1	Washer-Belleville				
③93	650816	1	Nut-Flywheel				
③94	651016	1	Nut (10-32)				
③100	34443C	1	Ignition-State, Solid				
③101	610118	1	Cover-Spark Plug				
③102	651024	1	Stud-Mounting, Solid State				
③103	651007	2	Screw (T-15, 10-24 X 15/16)				
③103A	650821	1	Screw (10-32 X 1/2)				
③110	37682	1	Wire-Ground				
③119	36443	1	Gasket-Head, Cylinder				
③120	37675	1	Head-Cylinder (Includes 130A)				

Engine Assembly No. 2

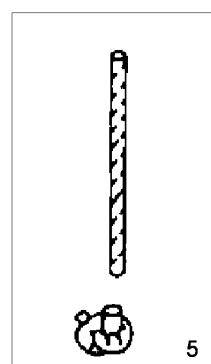
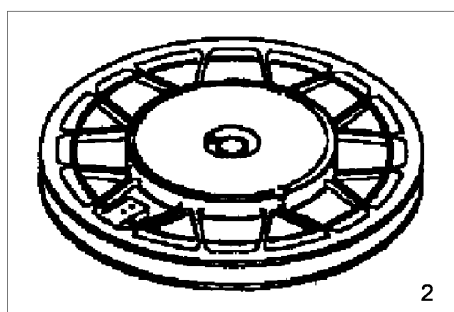
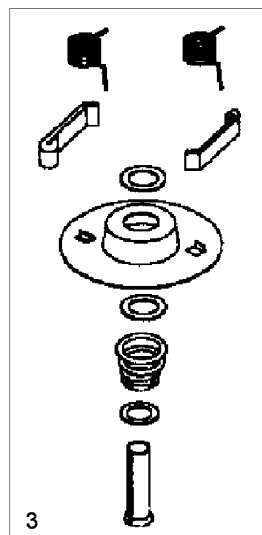
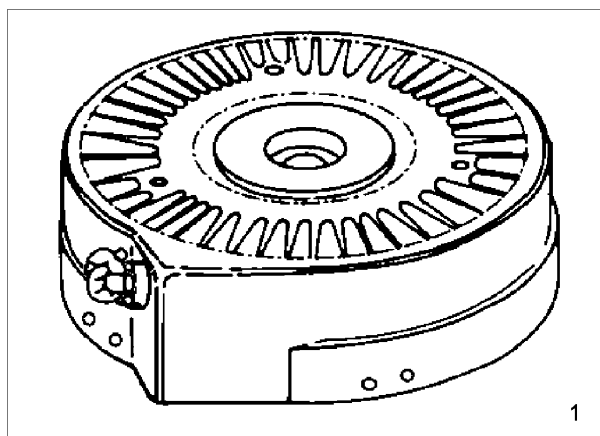
Tecumseh LH195SP-67530D



Engine Assembly No. 2

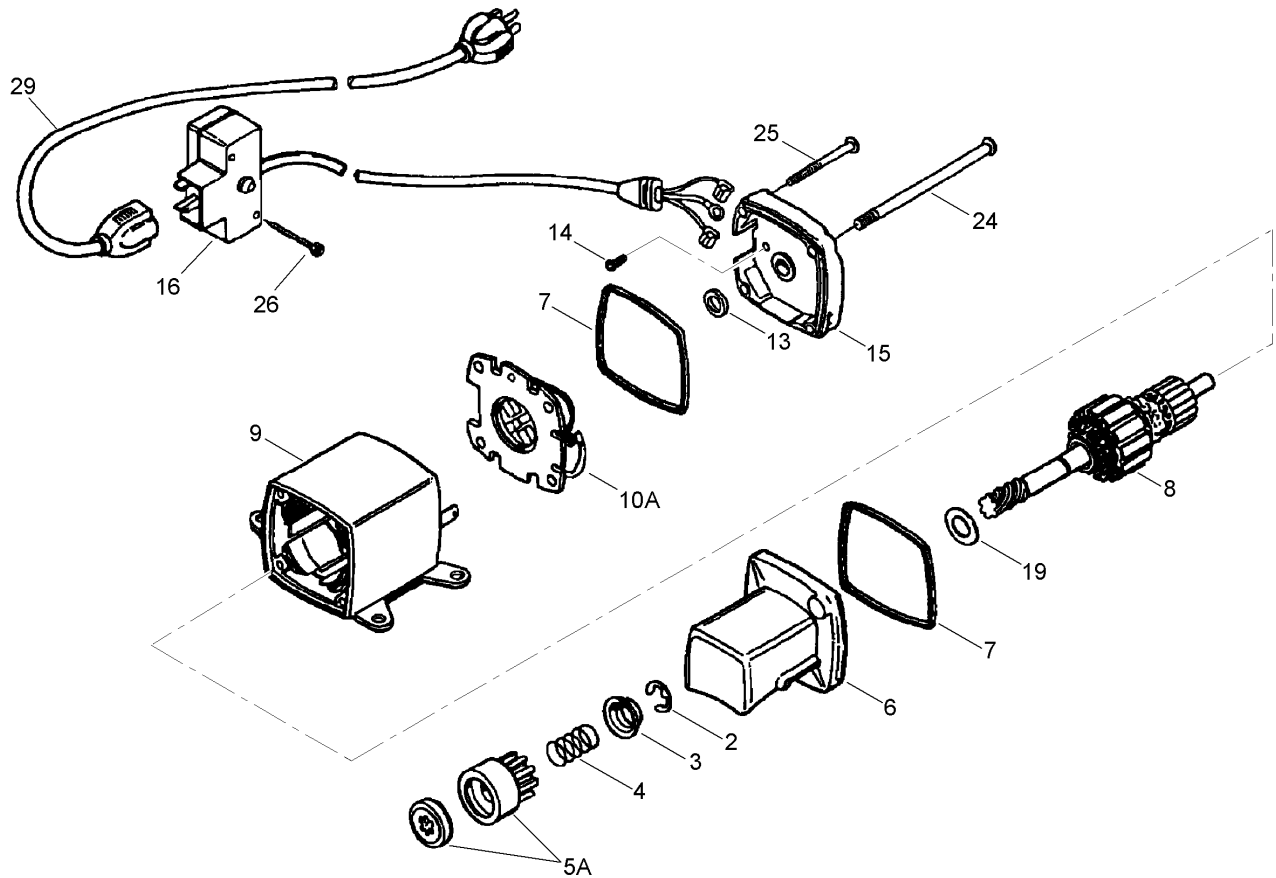
Tecumseh LH195SP-67530D

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
③150	31672	2	Spring-Valve	③396	37657	1	Electric Starter Motor ASM (110 Volt)
③151	31673	2	Cap-Valve, Spring	③400	36444	1	Gasket Set
③161	30063	1	Screw (T-30, 1/4-20X1/2)	③420	730226A	1	Oil-Engine, S A E 5W30
③169	27234A	2	Gasket-Cover, Valve	③600	651013	1	Washer
③170	27666	1	Body-Breather	③703	650818	1	Screw (5/16-18 X 1-1/2)
③171	31410	1	Element-Breather	③704	650738	2	Screw (1/4-20 X 5/8)
③172	34146	1	Cover-Breather	③999	730281	1	Winter Maintenance Kit
③173	35350	1	Tube-Breather	①③	754337A	1	Replacement-Block, Short
③178	29752	1	Nut And Lock Washer (1/4-28)				
③181	650870	1	Screw (1/4-28 X 1-11/16)				
③182	6201	1	Screw (1/4-28 X 7/8)				
③183	34583A	1	Bracket-Choke				
③184	26756	1	Gasket (Carburetor To Intake Pipe)				
③185	33691	1	Pipe-Intake				
③186	32698	1	Link-Governor To Throttle				
③200A	30846	1	Bracket-Adjusting Bolt, Governor Spring				
③204A	30845A	1	Bolt-Adjusting, R.P.M.				
③209B	30200	1	Screw (10-24 X 9/16)				
③209C	650518	1	Washer-Lock				
③219	34582	1	Rod-Choke				
③222	651081	2	Screw (10-32 X 15/32)				
③223	650664	2	Screw (1/4-20 X 1-19/32)				
③224	33673A	1	Gasket-Intake				
③253	36701	1	Weight-Release, Compression				
③254	36702	1	Spring-Release, Compression				
③260	35656A	1	Housing-Blower				
③264	650561	1	Screw (1/4-20X19/32)				
③264A	650802	2	Screw (1/2-20X5/8)				
③274	35865	1	Gasket-Exhaust				
③275	37684	1	Muffler (Includes 274)				
③277	792005	2	Screw (1/4-20 X 2-1/2)				
③285	36467B	1	Cup-Starter				
③287	650926	2	Screw (8-32 X 21/64)				
③290	37963	1	Line-Fuel, Low Permeation (16.0)				
③292	26460	2	Clamp-Line, Fuel				
③296	37768	1	Filter-Fuel (Includes 292)				
③310A	34245	1	Dipstick (Includes 312)				
③311	27625	1	Plug-Fill, Oil (Includes 312)				
③312	29673	2	Gasket-Plug, Oil Fill				
③313	34080	1	Spacer				
③319	650735	1	Screw (10-24 X 3/8)				
③335	35072B	1	Cover-Carburetor				
③338	650257	1	Screw (8-32 X 5/16)				
③351	32180C	1	Line-Primer				
③364	33333	1	Bracket-Cover, Carburetor				
③364A	37673	1	Plate-Locking				
③370	36695	1	Decal-Tecumseh Logo For Top Of Recoil Starter				
③380	640299B	1	Carburetor				
③390	590784	1	Starter-Recoil				



Recoil Starter No. 590784
Tecumseh LH195SP-67530D

Ref	Part No.	Qty.	Description
❸1	590784	1	Starter-Recoil (Winter Pulley, Handle Not Included)
❸2	590709	1	Pulley And Rewind Spring ASM
❸3	590774	1	Repair Kit
❸5	590535	1	Rope-Starter (98 Cut To Length)



Electric Starter No. 37657
Tecumseh LH195SP-67530D

Ref	Part No.	Qty.	Description				
③	37657	1	Electric Starter Motor ASM (110 Volt)				
③2	31749	1	Retainer-Ring				
③3	33522	1	Retainer-Spring				
③4	33769	1	Spring-Anti Drift				
③5A	37332	1	Nut And Gear ASM (Includes 2)				
③6	35461	1	Drive End Cap ASM (Includes 7)				
③7	35450	2	O-Ring				
③8	35912	1	Armature				
③9		1	Housing ASM (Must Purchase Complete Motor)				
③10A	35452A	1	Brush Card ASM				
③13	590500	1	Washer-Thrust				
③14	33441	1	Screw-Ground				
③15	35453	1	Commutator End Cap ASM				
③16	37680	1	Switch Box ASM				
③19	35911	0	Washer-Thrust				
③24	35462	2	Bolt-Case				
③25	35456	1	Screw-Ground				
③26		2	Screw (O.E.M. Supplied)				
③29	32450B	1	Cord-Extension (10-6) (Ref To Engine Parts List For Mtg Hardware)				

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