



Insight™ Lawn Mower

Model No. 10686 - 250000001 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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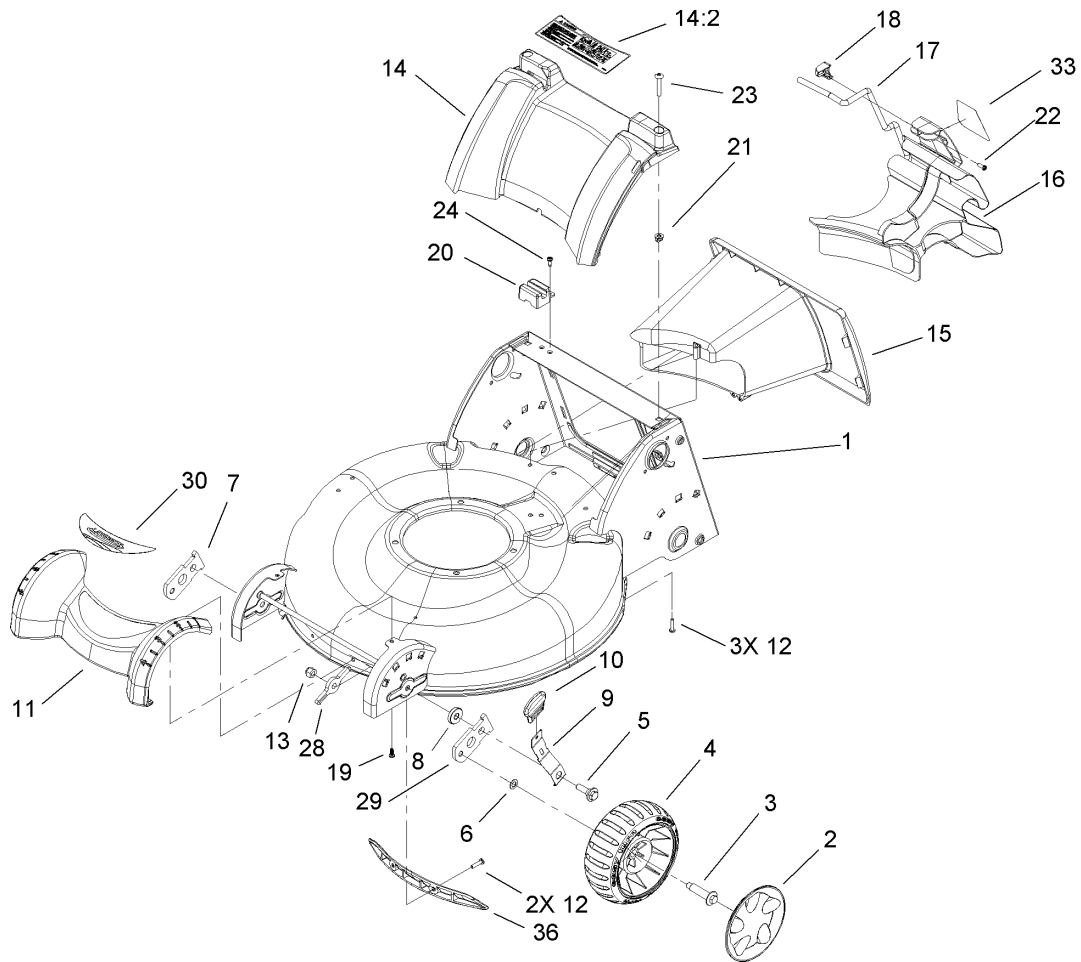
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

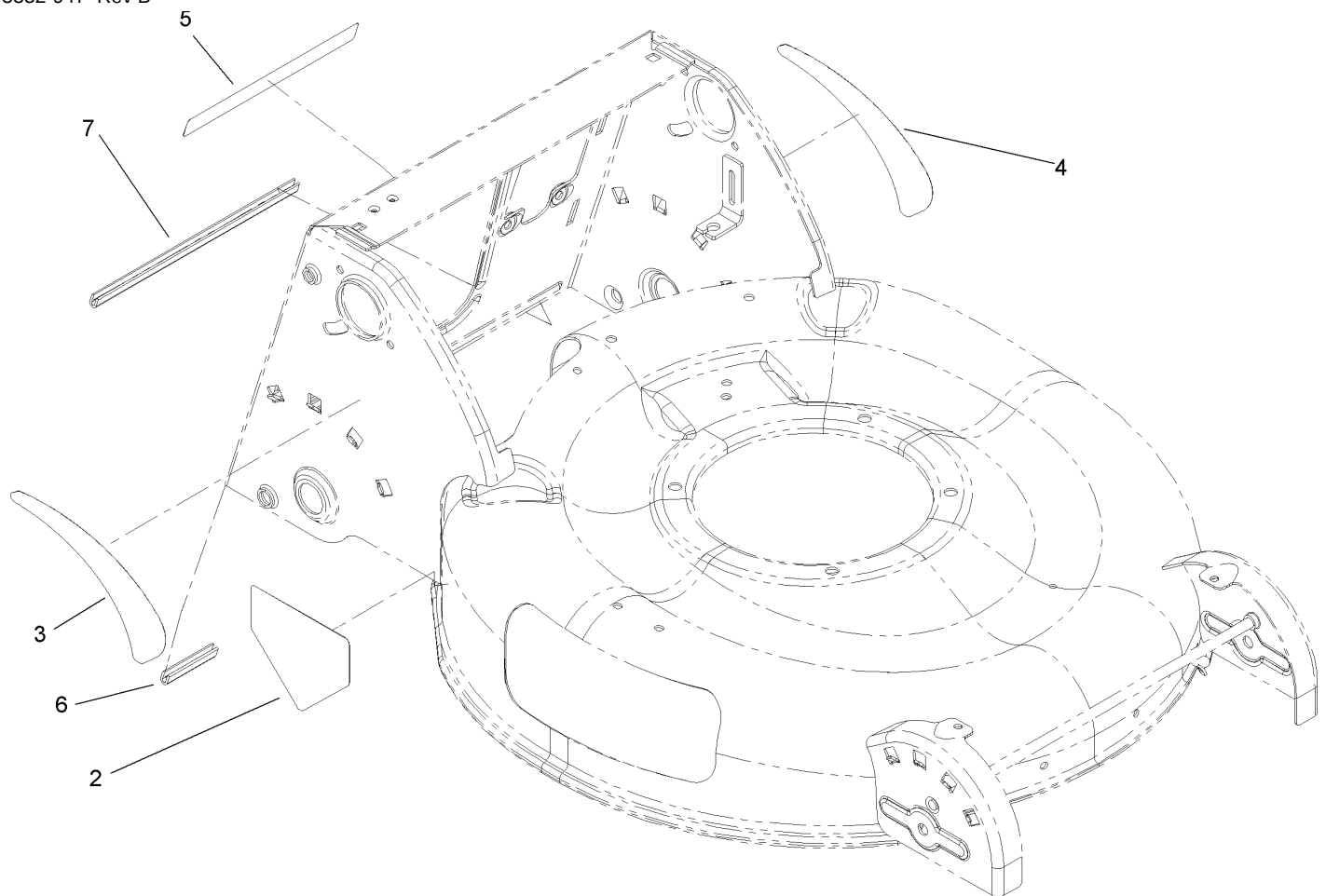
Footnotes

- | | |
|--|---------------------------|
| ❶ Not illustrated | ❷ Not serviced separately |
| ❸ Obtain from your local Tecumseh dealer | ❹ Optional Equipment |



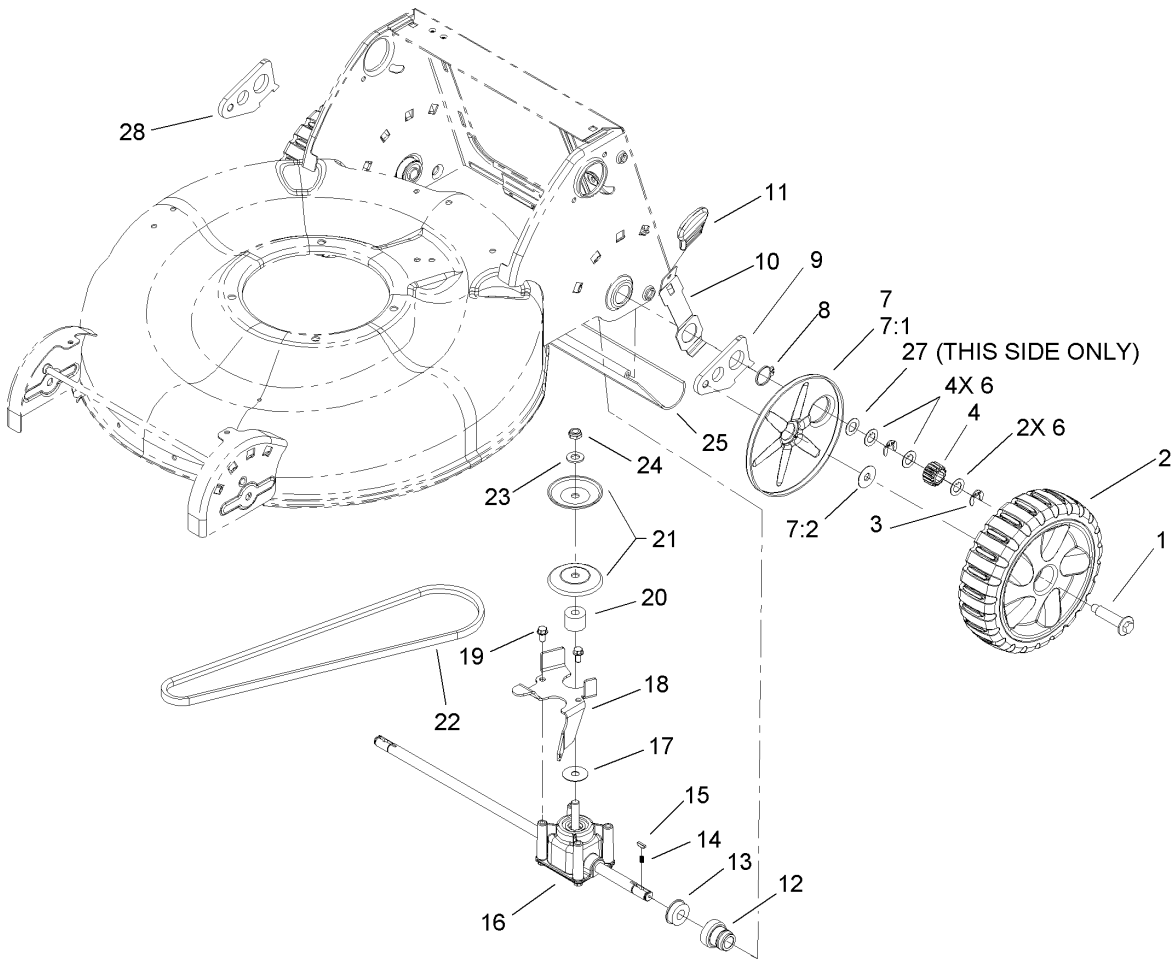
Front End and Tunnel Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	108-9346	1	Housing ASM	24	105-6849	2	Screw-Thread Forming
2	107-3886	2	Cover-Wheel, 7In	28	108-1048	2	Washer-Support, Front
3	614650	2	Bolt-Shoulder	29	108-1044	1	Arm-Pivot, LH
4	107-3891	2	7In Wheel ASM	30	108-7453	1	Decal
5	614672	2	Bolt-Shoulder	33	108-7461	1	Decal
6	40-1940	2	Washer	36	108-7502	1	Insert-Housing
7	107-3877	1	Arm-Pivot, RH	39	110-1751	1	Mulch Plug ASM
8	92-4890	2	Washer				
9	107-3878	2	Arm-Spring				
10	107-1904	2	Knob-Lever, HOC				
11	107-3926	1	Cover-Front				
12	108-7476	5	Screw-Plastite				
13	3296-39	2	Nut-Lock, NI				
14	108-9349	1	Cover-Rear				
14:2	107-3888	1	Decal-Safety				
15	107-3881	1	Tunnel				
16	107-3907	1	Plug-Chute				
17	108-1038	1	Latch-Plug				
18	108-0956	1	Retainer-Latch				
19	108-7475	2	Screw-Plastite				
20	108-0991	1	Module-Switch				
21	94-1610	2	Nut-Clip				
22	32144-111	1	Screw-PPH				
23	108-0965	2	Screw-PTH				



Housing Assembly No. 108-9346

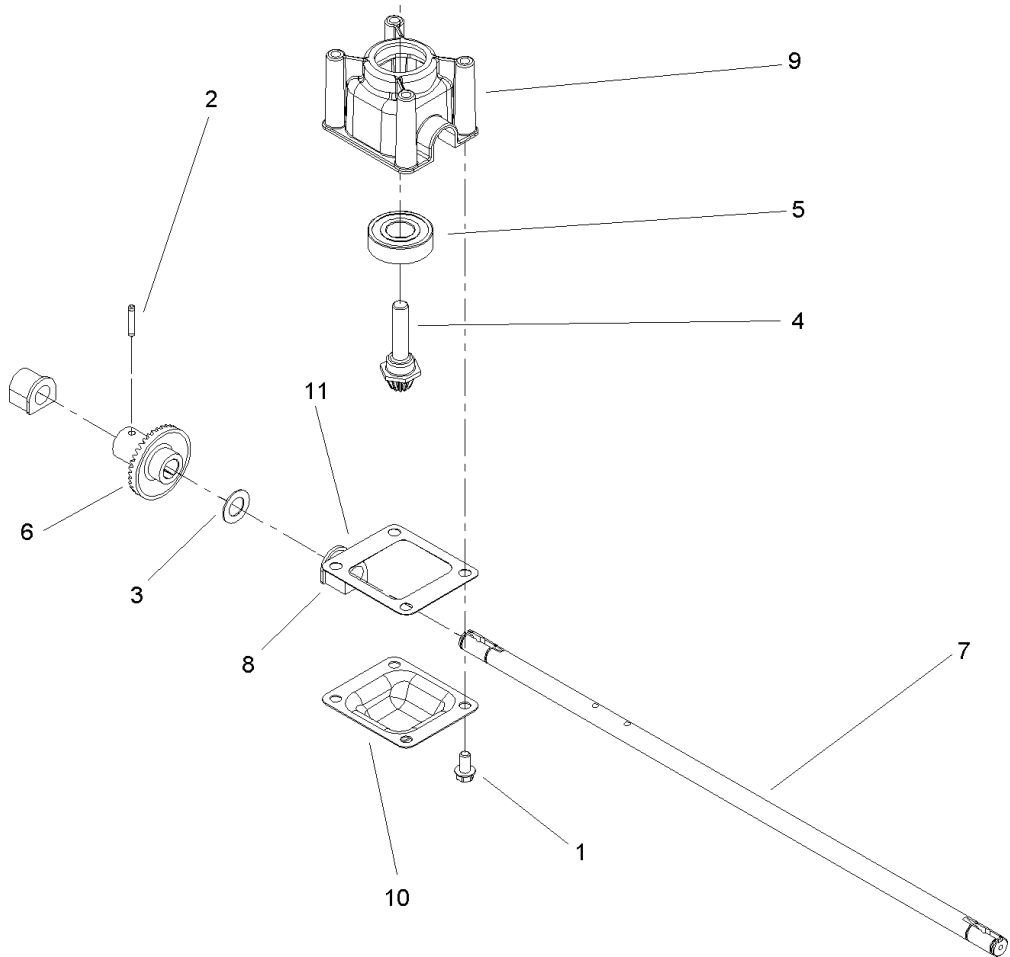
Ref	Part No.	Qty.	Description				
2	94-8072	1	Decal-Danger				
3	108-7450	1	Decal-HOC, RH				
4	108-7451	1	Decal-HOC, LH				
5	107-3889	1	Decal-Safety				
6	108-7504	1	Strip-Edge				
7	108-9380	1	Strip-Edge				



Rear Axle and Transmission Assembly

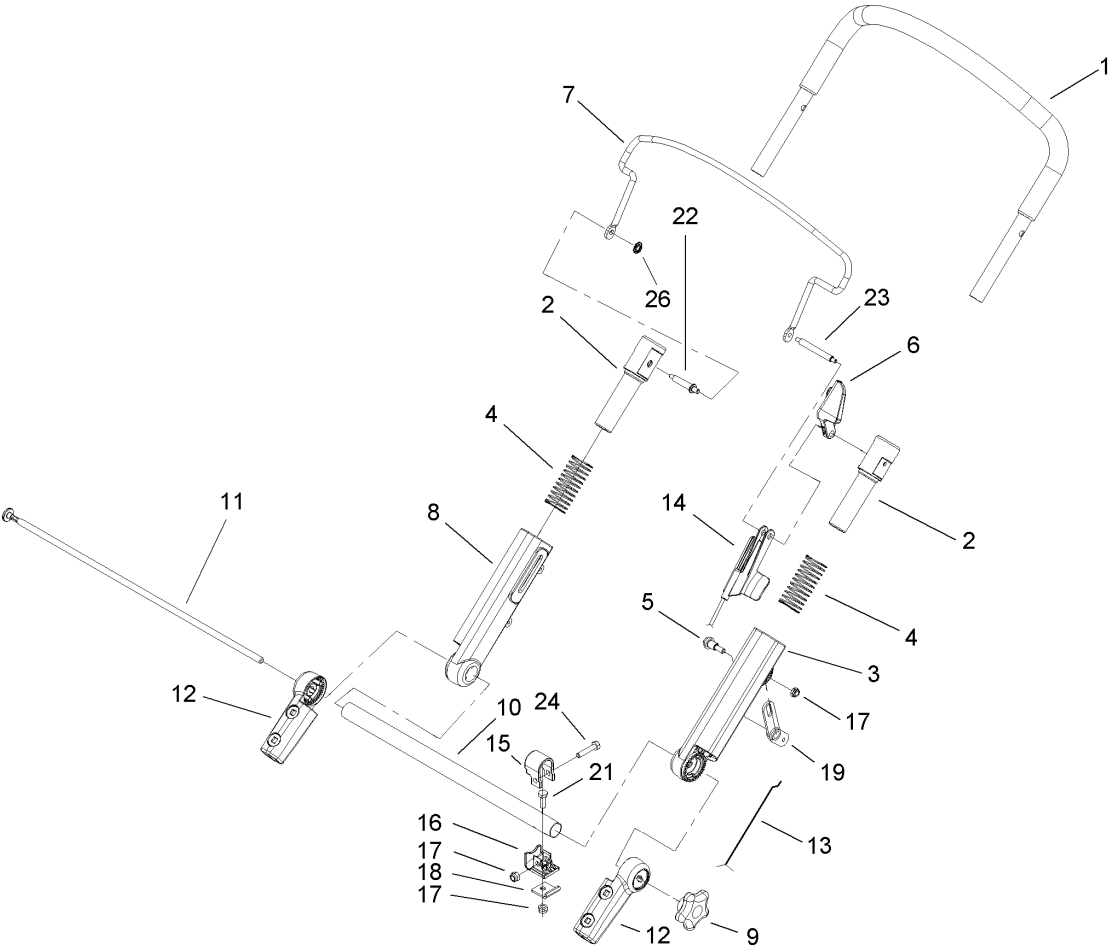
Ref	Part No.	Qty.	Description
1	614650	2	Bolt-Shoulder
2	107-3906	2	Rear Wheel ASM
3	65-2720	4	Klipring-Locking
4	105-3040	2	Gear-Pinion, 15T
6	105-6840	6	Washer-Thrust
27		2	Wheel Cover ASM
7:1	107-1919	1	Cover-Wheel
7:2	614426	1	Washer-Stepped
8	32151-36	2	Ring-Retaining
9	108-9344	1	Arm-Rear Pivot, LH
10	107-3880	2	Arm-Spring, Rear
11	107-1904	2	Knob-Lever, HOC
12	104-8698	2	Retainer-Bearing, HOC
13	104-8699	2	Bearing-Ball
14	39-9650	2	Spring-Compression
15	612066	2	Key
16	107-3860	1	Transmission ASM
17	105-6814	1	Washer-Shield
18	107-3884-03	1	Bracket-Transmission
19	32144-4	2	Screw-HWH
20	92-5791	1	Spacer
21	100-1176	2	Pulley-Half
22	91-2258	1	V-Belt
23	3256-24	1	Washer-Flat

Ref	Part No.	Qty.	Description
24	3296-5	1	Nut-Lock
25	107-3904	1	Shield-Trailing
27	36-4780	1	Washer
28	108-9343	1	Arm-Rear Pivot, RH



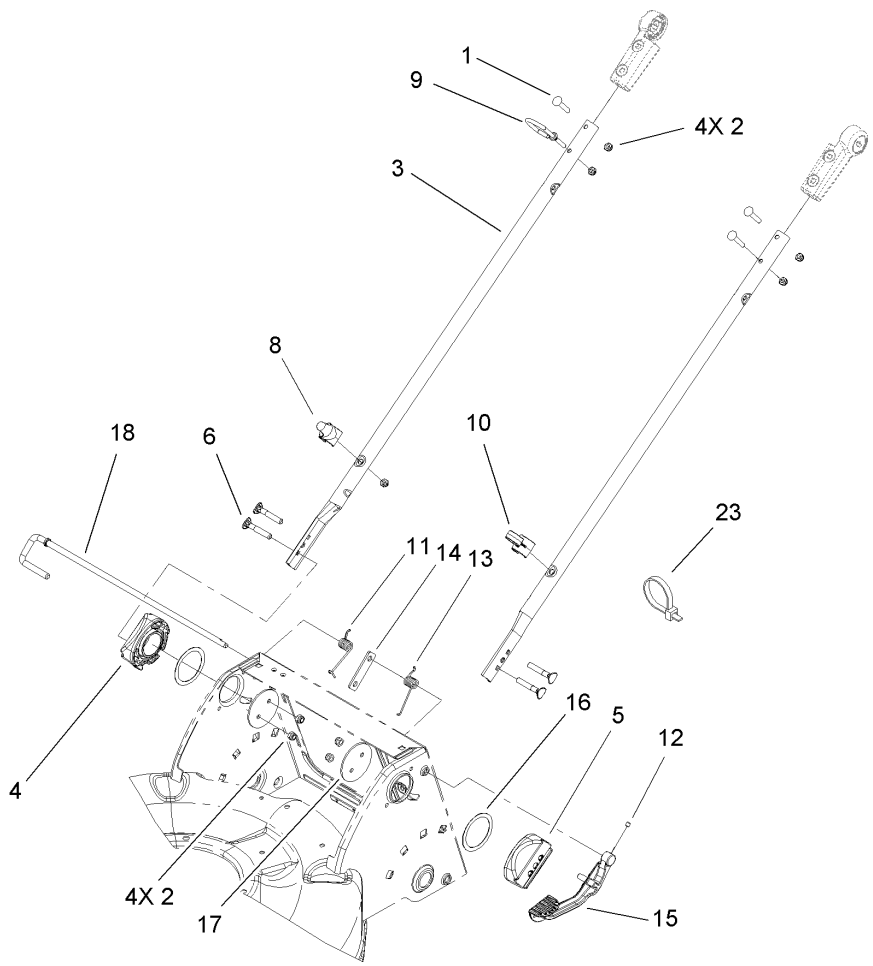
Transmission Assembly No. 107-3860

Ref	Part No.	Qty.	Description				
1	32144-4	4	Screw-HWH				
2	3285-19	1	Pin-Groove				
3	36-4780	1	Washer				
4	92-5790	1	Pinion				
5	100-1048	1	Bearing-Ball				
6	104-8671	1	Gear-Bevel, 37T				
7	107-3861	1	Shaft-Output				
8	104-8673	2	Bushing-Shaft, Output				
9	104-8674	1	Gearcase-Upper				
10	104-8675-03	1	Cover-Gearcase				
11	105-6839	1	Gasket-Gearcase				



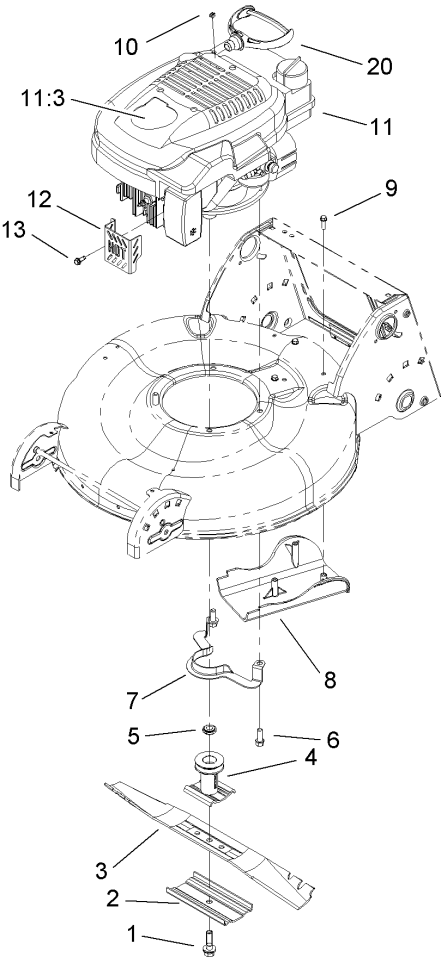
Upper Handle Assembly

Ref	Part No.	Qty.	Description				
1	108-0974	1	Upper Handle ASM				
2	107-3866	2	Sleeve-Handle				
3	107-3864	1	Slide-Top, LH				
4	107-3869	2	Spring-Compression				
5	104-0858	1	Bolt-Shoulder				
6	107-3943	1	Stop-Bail				
7	107-3874-03	1	Bail-Brake				
8	107-3863	1	Slide-Top, RH				
9	107-3937	1	Knob				
10	107-3867-03	1	Tube-Cross				
11	107-3871	1	Rod-Threaded				
12	107-3865	2	Mount-Handle, Lower				
13	107-3902	1	Cable-Traction				
14	108-0963	1	Cable-Brake				
15	108-1045	1	Support-Cable				
16	108-1046	1	Support-Guide, Cable				
17	3296-73	2	Nut-Lock, NI				
18	108-7454	1	Clamp-Cable				
19	107-3893	1	Lever-Traction				
21	321-4	1	Screw-HH				
22	108-0959	1	Pin-Handle				
23	108-1008	1	Pin-Bail, LH				
24	108-0988	1	Screw-CARR				
26	108-9378	1	Retainer-Push On				



Lower Handle Assembly

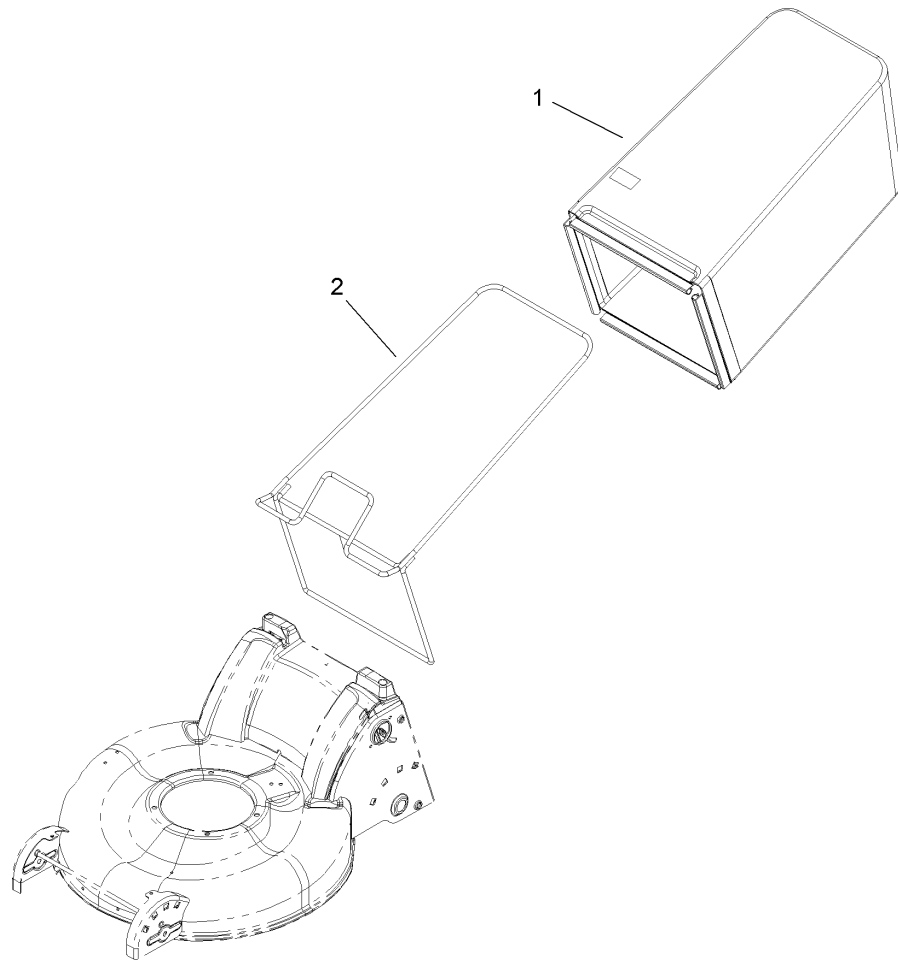
Ref	Part No.	Qty.	Description				
1	108-0988	3	Screw-CARR				
2	3296-73	9	Nut-Lock, NI				
3	107-3887-03	2	Tube-Lower				
4	108-9339-03	1	Mount-Handle, RH				
5	108-9340-03	1	Mount-Handle, LH				
6	95-4453	4	Screw				
8	108-0994	1	Guide-Rope, Lower				
9	107-3908	1	Guide-Rope, Upper				
10	106-6805	1	Guide-Cable				
11	108-0952	1	Spring-Torsion, LH				
12	108-0989	1	Screw-Set				
13	108-0953	1	Spring-Torsion, RH				
14	107-3946	1	Plate-Lock, Handle				
15	108-0985-03	1	Lever-Release				
16	107-3947	2	Washer-Nylon				
17	107-3944-03	2	Plate				
18	107-3892	1	Rod-Release				
23	614249	1	Strap-Tie				



Blade and Engine Assembly

Ref	Part No.	Qty.	Description				
1	105-8579	1	Bolt-Blade				
2	108-3766-03	1	Support-Blade				
3	108-0954-03	1	Blade-21 In				
4	106-3987	1	Blade Driver ASM				
5	106-3999	1	Spacer-Driver				
6	92-1624	3	Screw				
7	105-3030-03	1	Guide-Belt				
8	107-3909	1	Cover-Belt				
9	46-8091	3	Screw-HWH				
10	92-1701	1	Stop-Rope				
11		1	Engine-Tecumseh, Lv195Ea-362045C				
11:3	108-7452	1	Decal-Recoil				
12	106-8346	1	Guard-Muffler				
13	32144-85	1	Screw-HWH				
20	106-8345	1	Handle-Recoil				

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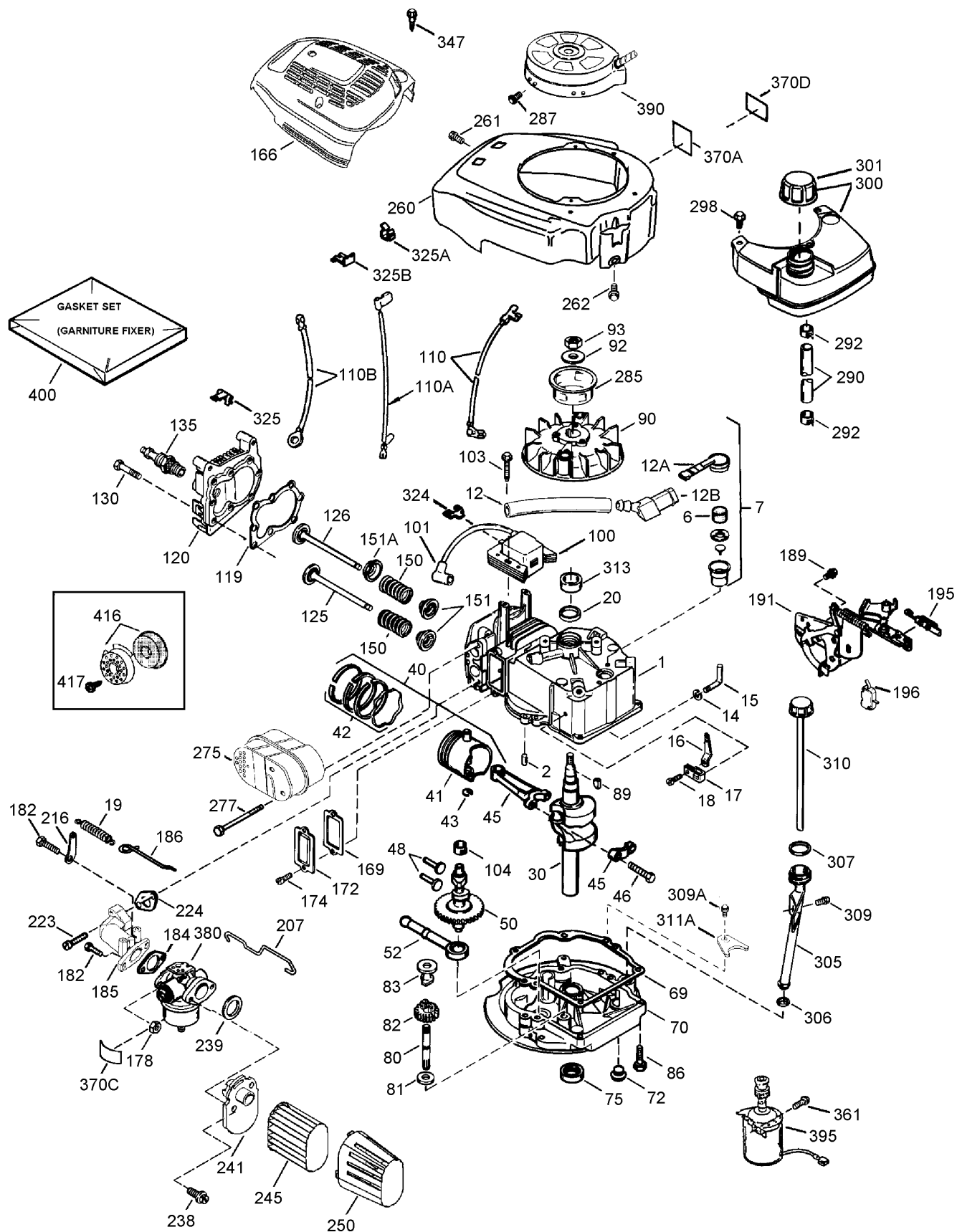


Rear Bag Assembly

Ref	Part No.	Qty.	Description
1	107-3911	1	Bag-Grass
2	107-3912-03	1	Bag Frame ASM

Engine Assembly

Tecumseh LV195EA-362045C



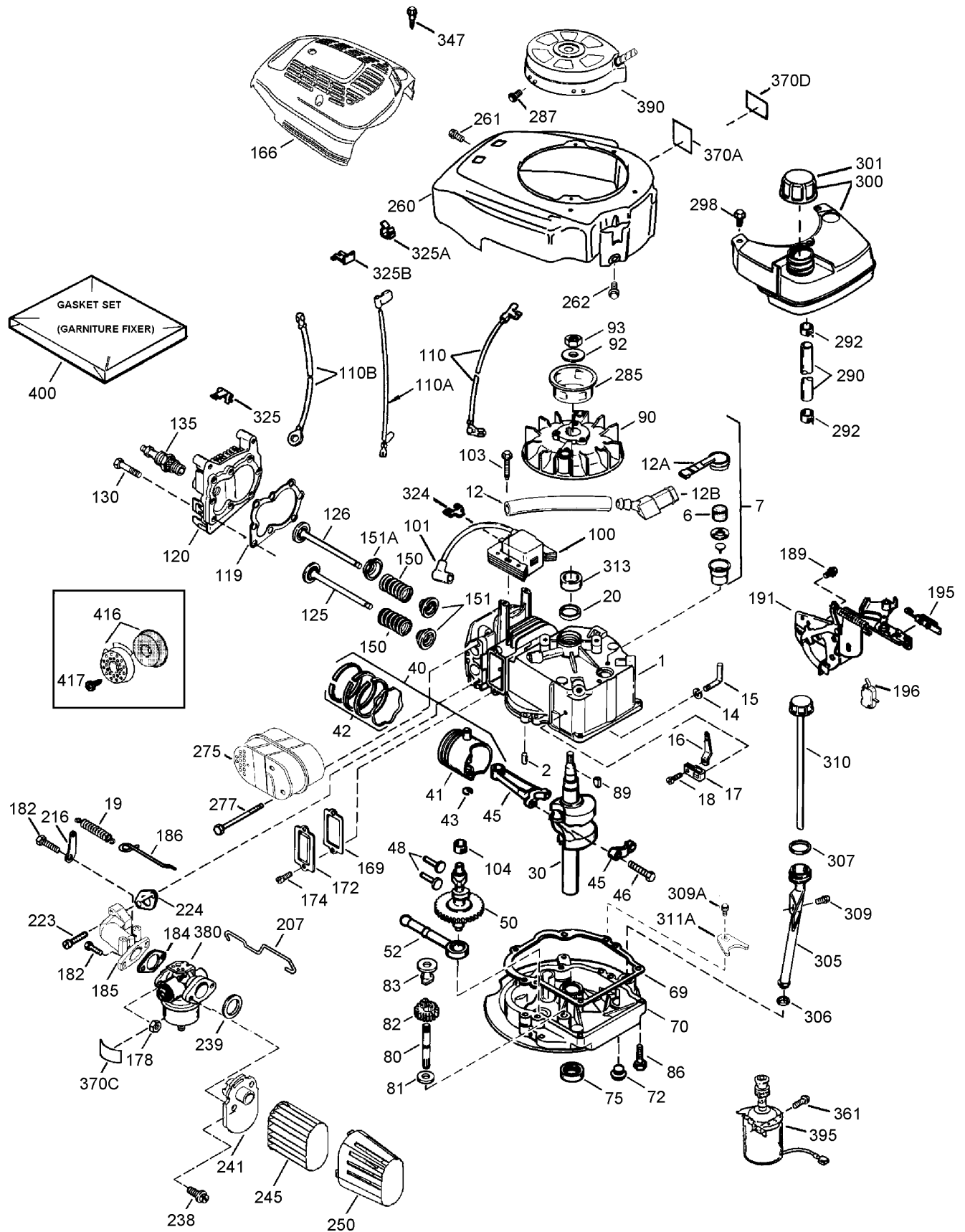
Engine Assembly

Tecumseh LV195EA-362045C

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
③1	37465	1	Cylinder	③151	31673	2	Cap-Spring, Valve
③2	26727	2	Pin-Dowel	③151A	40017	1	Seal-Valve, Intake
③6	33734	1	Element-Breather	③166	37813	1	Shroud-Engine
③7	36557	1	Breather ASM	③169	36783	1	Gasket-Cover, Valve
③12	37944	1	Tube-Breather	③172	36784	1	Cover-Valve
③12A	36558	1	Breather Cover And Tube ASM	③174	30200	2	Screw (10-24 X 9/16In)
③12B	36694	1	Elbow-Tube, Breather	③178	29752	2	Nut And Lock Washer ASM
③14	28277	1	Washer	③182	6201	2	Screw (1/4-28 X 7/8In)
③15	30589	1	Rod-Governor	③184	26756	1	Gasket-Carburetor To Intake Pipe
③16	34839A	1	Lever-Governor	③185	37466	1	Pipe-Intake
③17	31335	1	Clamp-Lever, Governor	③186	32653	1	Link-Governor
③18	651018	1	Screw	③189	650839	2	Screw (1/4-20 X 3/8In)
③19	36281	1	Spring-Extension	③191	36559A	1	Bracket-Brake
③20	32600	1	Seal-Oil	③195	610973	1	Terminal
③30	37692	1	Crankshaft	③196	35035	1	Switch-Restart, Power
③40	40027	1	Piston Pin And Ring Set (STD.)	③207	34336A	1	Link-Throttle
③41	40042	1	Piston And Pin ASM (STD.)	③216	33086	1	Lever-Adjusting, R.P.M.
③42	40006	1	Ring Set (STD.)	③223	650451	2	Screw (1/4-20 X 1In)
③43	20381	2	Ring-Retaining	③224	36786	1	Gasket-Pipe, Intake
③45	36777	1	Connecting Rod ASM	③238	650932	2	Screw (10-32 X 49/64In)
③46	32610A	2	Bolt-Rod, Connecting	③239	34338	1	Gasket-Cleaner, Air
③48	27241	2	Lifter-Valve	③241	36919	1	Collar-Cleaner, Air
③50	37460	1	Camshaft	③245	36905	1	Filter-Cleaner, Air
③52	29914	1	Oil Pump ASM	③250	37122	1	Cover-Cleaner, Air
③69	37609	1	Gasket-Flange, Mounting	③260	37693A	1	Housing-Blower
③70	37608	1	Flange-Mounting	③261	30200	2	Screw (10-24 X 9/16In)
③72	37614	1	Plug-Drain, Oil	③262	650831	2	Screw (1/4-20 X 1/2In)
③75	27897	1	Seal-Oil	③275	37498	1	Muffler
③80	30574A	1	Shaft-Governor	③277	650988	2	Screw (1/4-20 X 2-9/32In)
③81	30590A	1	Washer	③285	35000A	1	Cup-Starter
③82	30591	1	Governor Gear ASM	③287	650926	2	Screw (8-32 X 21/64In)
③83	30588A	1	Spool-Governor	③290	29774	1	Line-Fuel
③86	650488	6	Screw (1/4-20 X 1-1/4In)	③292	26460	2	Clamp-Line, Fuel
③89	611004	1	Key-Flywheel	③298	28763	2	Screw (10-32 C 35/64In)
③90	37787	1	Flywheel	③300	37947	1	Fuel Tank ASM
③92	650815	1	Washer-Belleville	③301	37844	1	Fuel Cap ASM
③93	650816	1	Nut-Flywheel	③305	35647	1	Tube-Fill, Oil
③100	34443C	1	Ignition-Solid State	③306	37610	1	O-Ring
③101	610118	1	Cover-Spark Plug	③307	35499	1	O-Ring
③103	651007	2	Screw	③309	650562	1	Screw (10-32 X 1/2In)
③104	37480	1	Bushing-Cam	③309A	650783	1	Screw (10-24 X 3/4In)
③110	36953	1	Wire ASM	③310	35648	1	Dipstick
③110A	36954	1	Wire ASM	③311A	37611	1	Bracket-Down, Hold
③110B	37047	1	Wire-Ground	③313	34080	1	Spacer
③119	37796	1	Gasket-Head, Cylinder				
③120	37714	1	Head-Cylinder				
③125	36780	1	Valve-Exhaust (1/32In Os)				
③125	37288	1	Valve-Exhaust (STD.)				
③126	37289	1	Valve-Intake (STD.)				
③130	6021A	8	Screw (5/16-18 X 1-7/16In)				
③135	35395	1	Spark Plug-Resistor				
③150	31672	2	Spring-Valve				

Engine Assembly (continued)

Tecumseh LV195EA-362045C



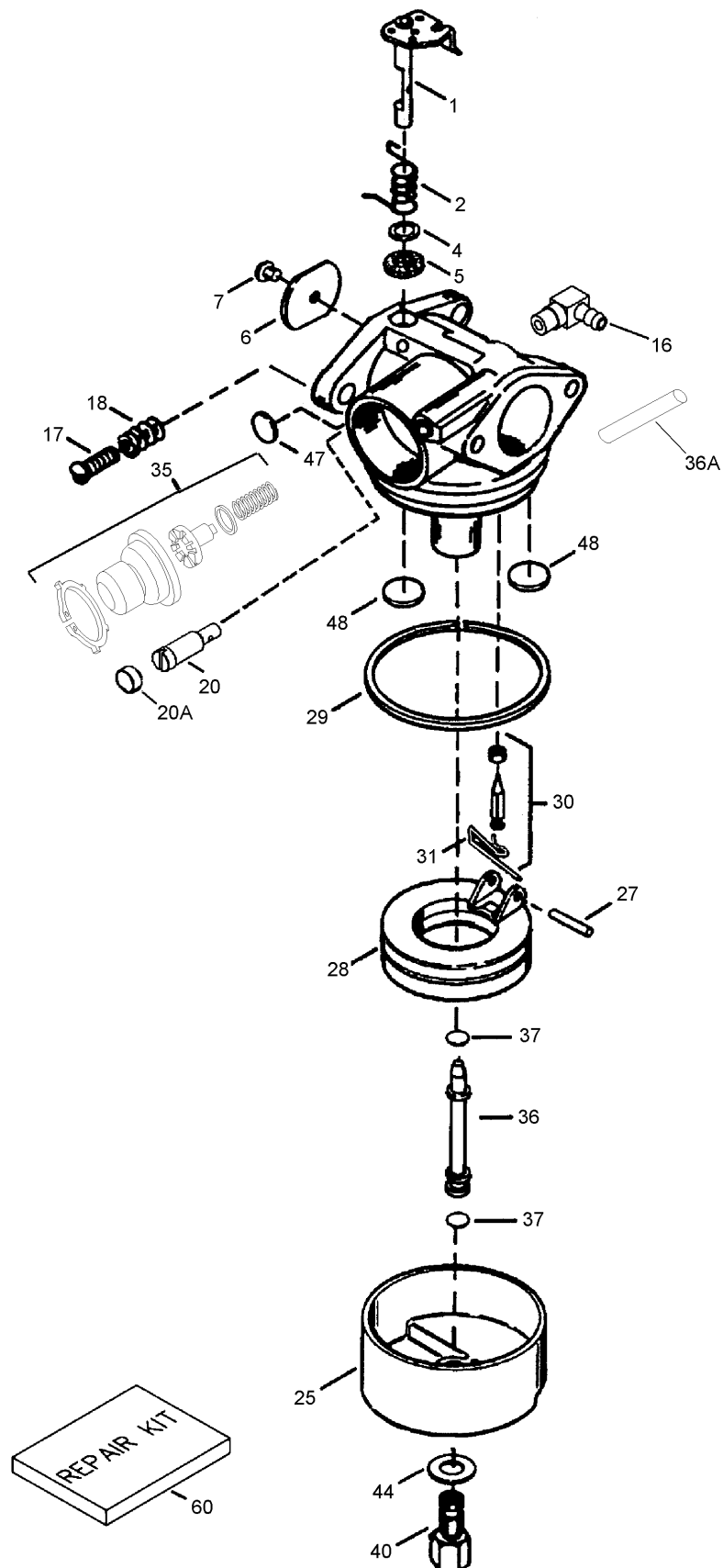
Engine Assembly (continued)

Tecumseh LV195EA-362045C

Ref	Part No.	Qty.	Description				
③324	33177	1	Terminal				
③325	29443	1	Clip-Wire				
③325A	35249	1	Wire Clip				
③325B	37152	1	Wire Clip				
③347	650898A	4	Screw (10-32 X 27/32In)				
③361	650831	2	Screw (1/4-20 X 1/2In)				
③370A	36261	2	Decal-Lubrication				
③370C	37695	1	Decal-Primer				
③370D	35977	1	Decal-Warning				
③380	640350	1	Carburetor ASM				
③390	590739	1	Starter-Rewind				
③395	37753	1	Starter-Electric, 12 Volt				
③400	37613A	1	Gasket Set				
③416	37530	1	Spark Arrestor Kit (Optional)				
③417	650760	1	Screw (8-32 X 3/8In)				

Carburetor Assembly No. 640350

Tecumseh LV195EA-362045C



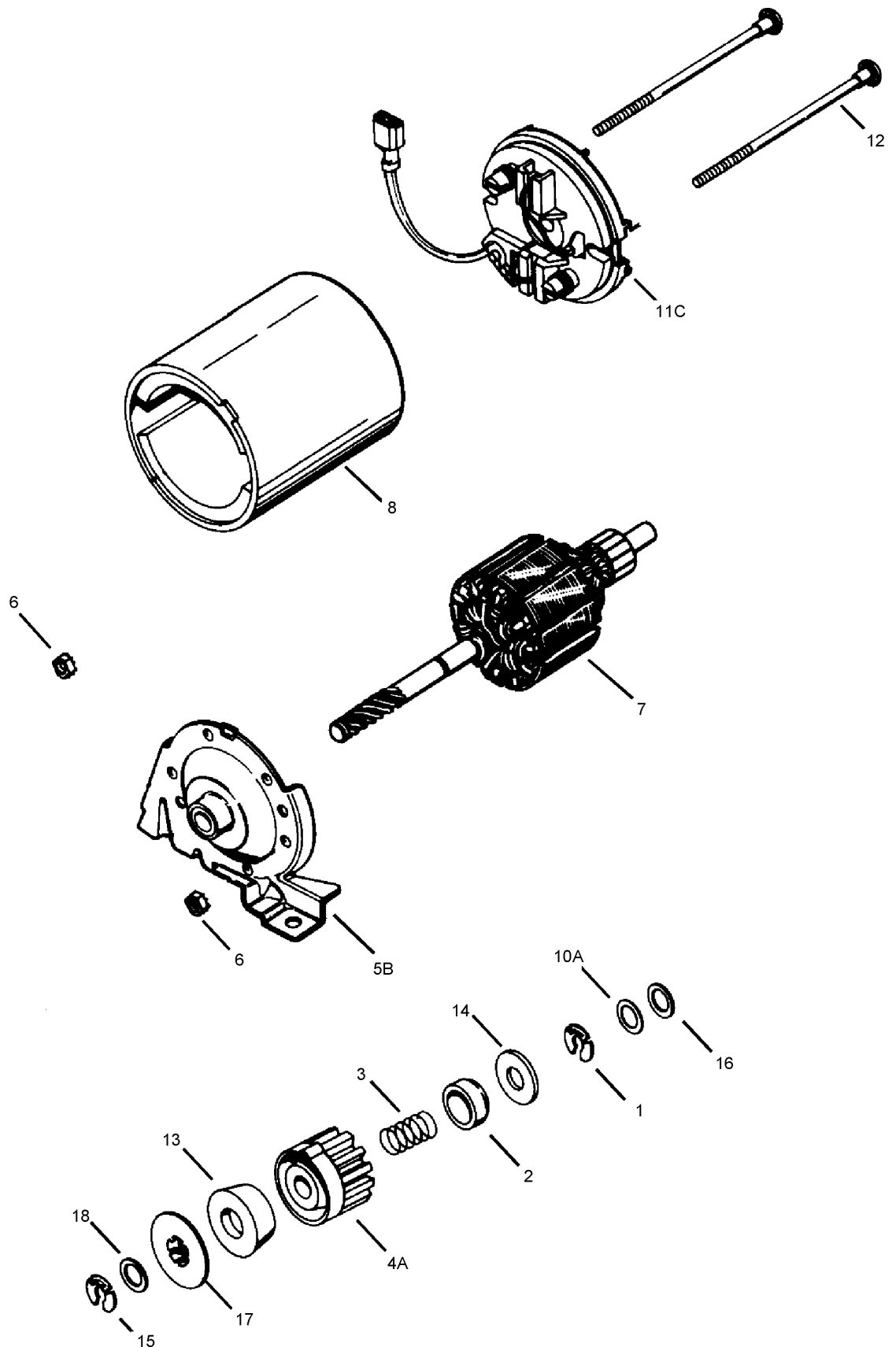
Carburetor Assembly No. 640350

Tecumseh LV195EA-362045C

Ref	Part No.	Qty.	Description				
③0	640350	1	Carburetor ASM (Includes 184 Of Engine Assembly)				
③1	631615	1	Throttle Shaft And Lever ASM				
③2	631767	1	Spring-Return, Throttle				
③4	631184	1	Washer-Seal, Dust				
③5	631183	1	Seal-Dust, Throttle				
③6	640070	1	Shutter-Throttle				
③7	650506	1	Screw-Shutter				
③16	631807	1	Fitting-Fuel				
③17	651025	1	Screw-Throttle Crack / Idle Speed				
③18	630766	1	Spring-Tension				
③20	640016	1	Screw-Restrictor, Idle				
③20A	640200	1	Cap-Screw, Idle Restrictor				
③25	631867	1	Bowl-Float				
③27	631024	1	Shaft-Float				
③28	632802	1	Float				
③29	631028	1	O-Ring, Float Bowl				
③30	631021A	1	Inlet Needle, Seat, And Clip ASM (Includes 31)				
③31	631022	1	Clip-Spring				
③35	640351	1	Primer Bulb / Valve Repair Kit				
③36	640080	1	Tube-Nozzle, Main				
③36A	632766	1	Tube-Carburetor				
③37	632547	2	O-Ring (Main Nozzle Tube)				
③40	640030	1	Nut-Bowl, High Speed				
③44	27110A	1	Washer-Nut, Bowl				
③47	630748	1	Plug-Welch, Idle Mixture Well				
③48	631027	2	Plug-Welch, Atmospheric Vent				
③60	632760B	1	Repair Kit				

Electric Starter Assembly No. 37753

Tecumseh LV195EA-362045C



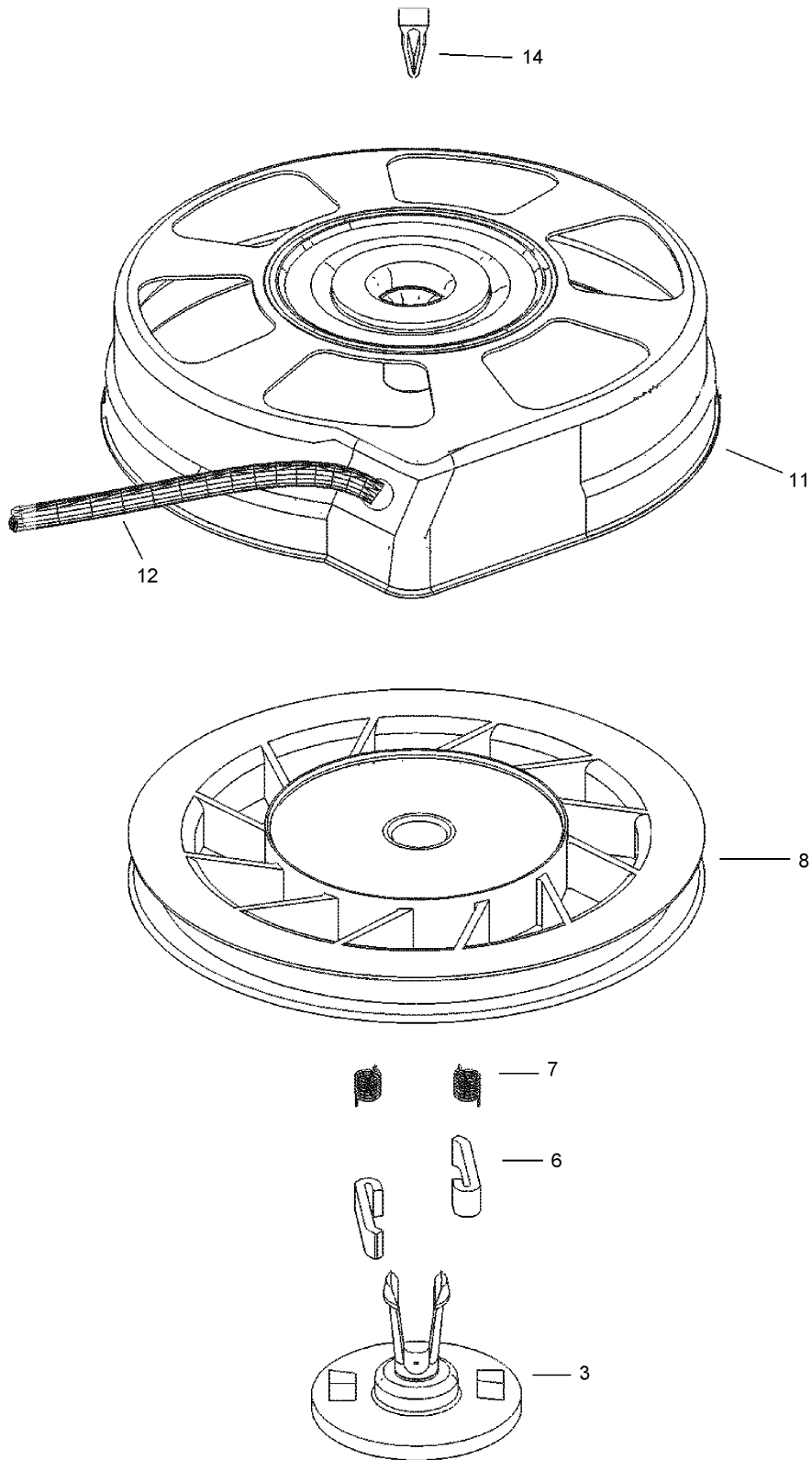
Electric Starter Assembly No. 37753

Tecumseh LV195EA-362045C

Ref	Part No.	Qty.	Description				
③0	37753	1	Starter-Electric, 12 Volt				
③1	34955	1	Ring-Retaining				
③2	34950	1	Spring-Retainer				
③3	34954	1	Spring				
③4A	37788	1	Gear				
③5B	34943	1	Drive End Cap ASM				
③6	33450	2	Nut-Lock				
③7	34944	1	Armature				
③8	34945	1	Housing ASM				
③10A	590500	1	Thrust Washer				
③11C	35714	1	Commutator End Cap ASM (Incl. Brushes)				
③12	34947	2	Bolt				
③13	34946	1	Driver-Pinion				
③14	34951	1	Washer-Cup				
③15	34952	1	Ring-Retaining				
③16	34948	1	Washer				
③17	34953	1	Nut-Drive				
③18	590608	1	Washer				

Rewind Starter Assembly No. 590739

Tecumseh LV195EA-362045C

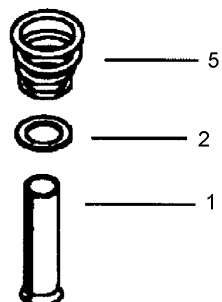
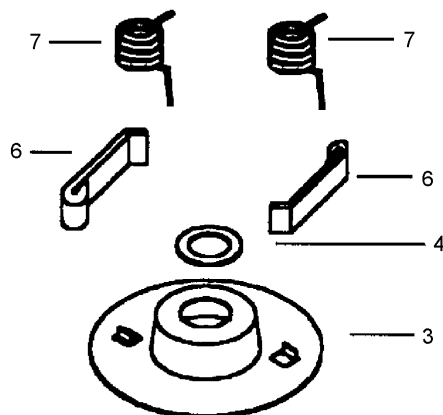
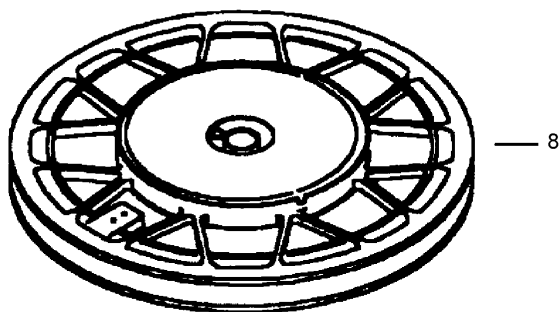
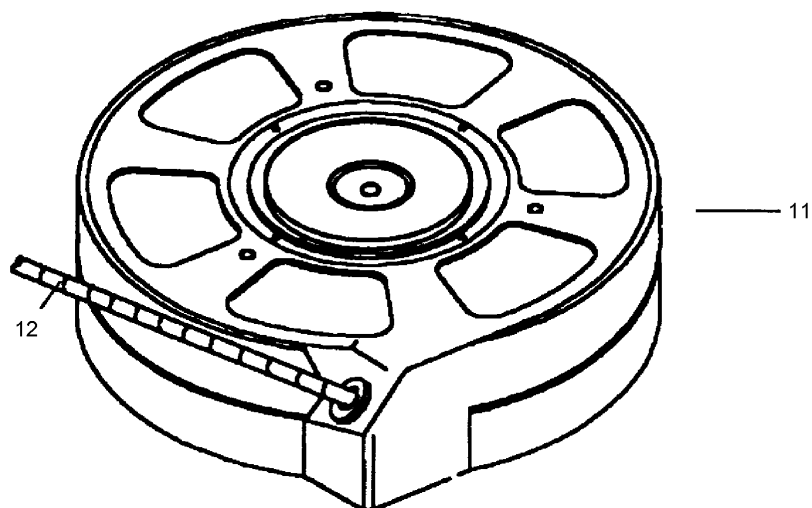


Rewind Starter Assembly No. 590739

Tecumseh LV195EA-362045C

Ref	Part No.	Qty.	Description				
00	590739	1	Starter-Rewind				
03	590740	1	Retainer				
06	590616	2	Dog-Starter				
07	590617	2	Spring-Dog				
08	590618A	1	Pulley And Rewind Spring ASM				
11	590638A	1	Starter Housing ASM				
12	590535	1	Rope-Starter (98In X 9/64In Diameter)				
14	590760	1	Clip-Spring				

Recoil Starter Assembly No. 590702 (Optional) Tecumseh LV195EA-362045C



Recoil Starter Assembly No. 590702 (Optional)

Tecumseh LV195EA-362045C

Ref	Part No.	Qty.	Description				
③ ④ 0	590702	0	Starter-Recoil				
③ 1	590599A	1	Spring Pin ASM				
③ 2	590600	1	Washer				
③ 3	590696	1	Retainer				
③ 4	590601	1	Washer				
③ 5	590697	1	Spring-Brake				
③ 6	590698	2	Dog-Starter				
③ 7	590699	2	Spring-Dog				
③ 8	590700	1	Pulley And Rewind Spring ASM				
③ 11	590703A	1	Starter Housing ASM				
③ 12	590535	1	Rope-Starter (98In X 9/64In Diameter)				

Attachments and Accessories

For 10686 - Insight Lawn Mower

Product Name	Model/Part
Loose Parts Kit	108-9354
Replacement Bag	89815
Rear Bag Kit	89913
21 In Blade	89914
Cruise Control Kit	89919
Air Filter	89945
Spark Plug	89946

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