Form Number 3355-260 Rev A

Insight™ Lawn Mower

Model No. 10687 - 260000001 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

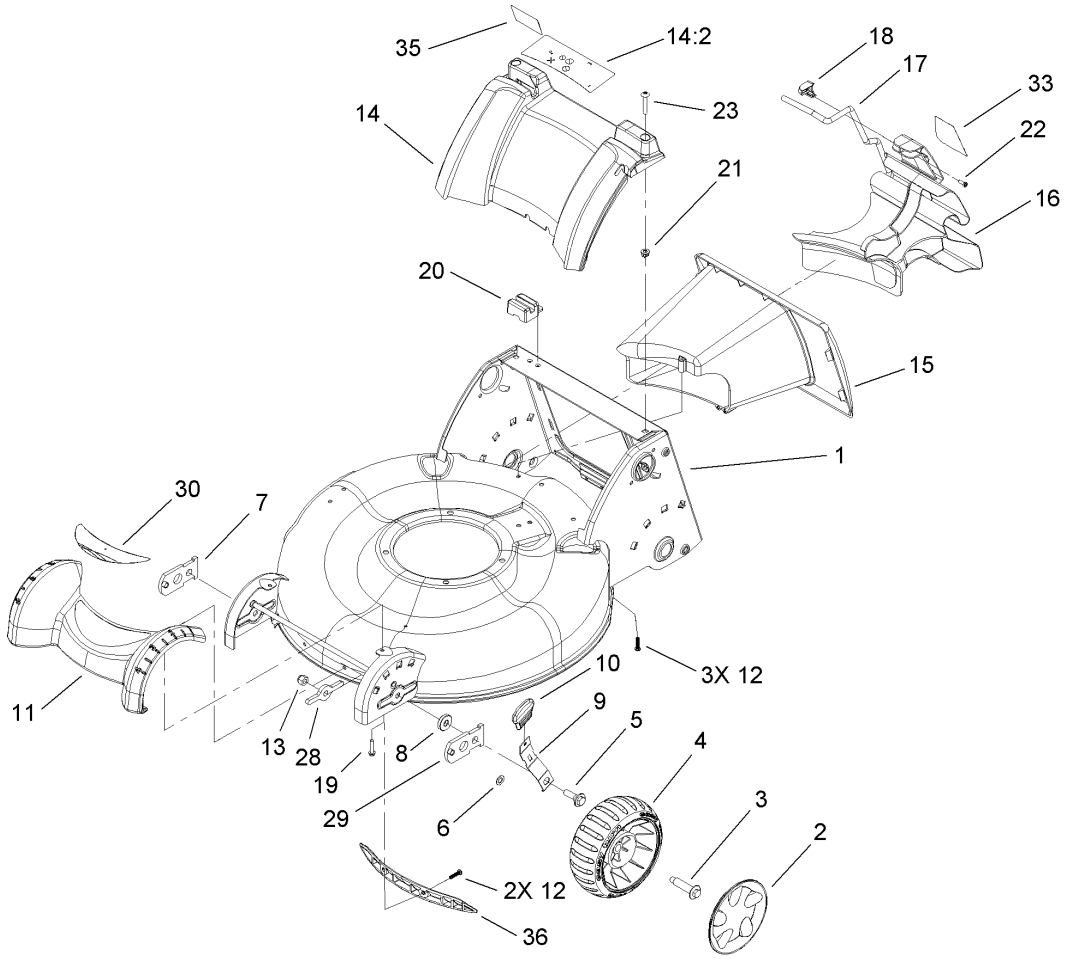
❶ Not illustrated

❷ Not serviced separately

❸ Obtain from your local Tecumseh dealer

❹ Included in Repair Kit 632760B

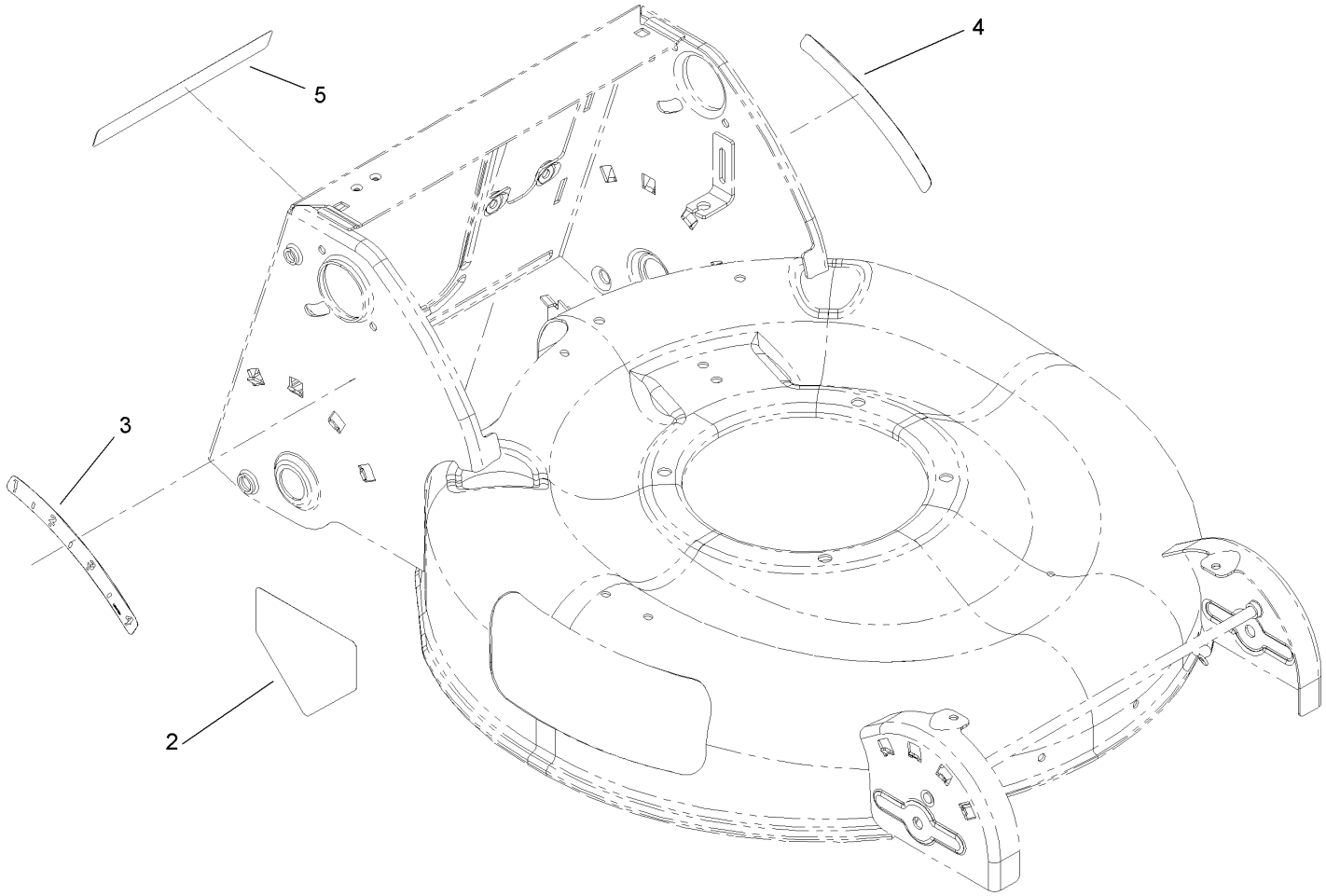
❺ Included in Gasket Kit 37613A



Front End and Tunnel Assembly

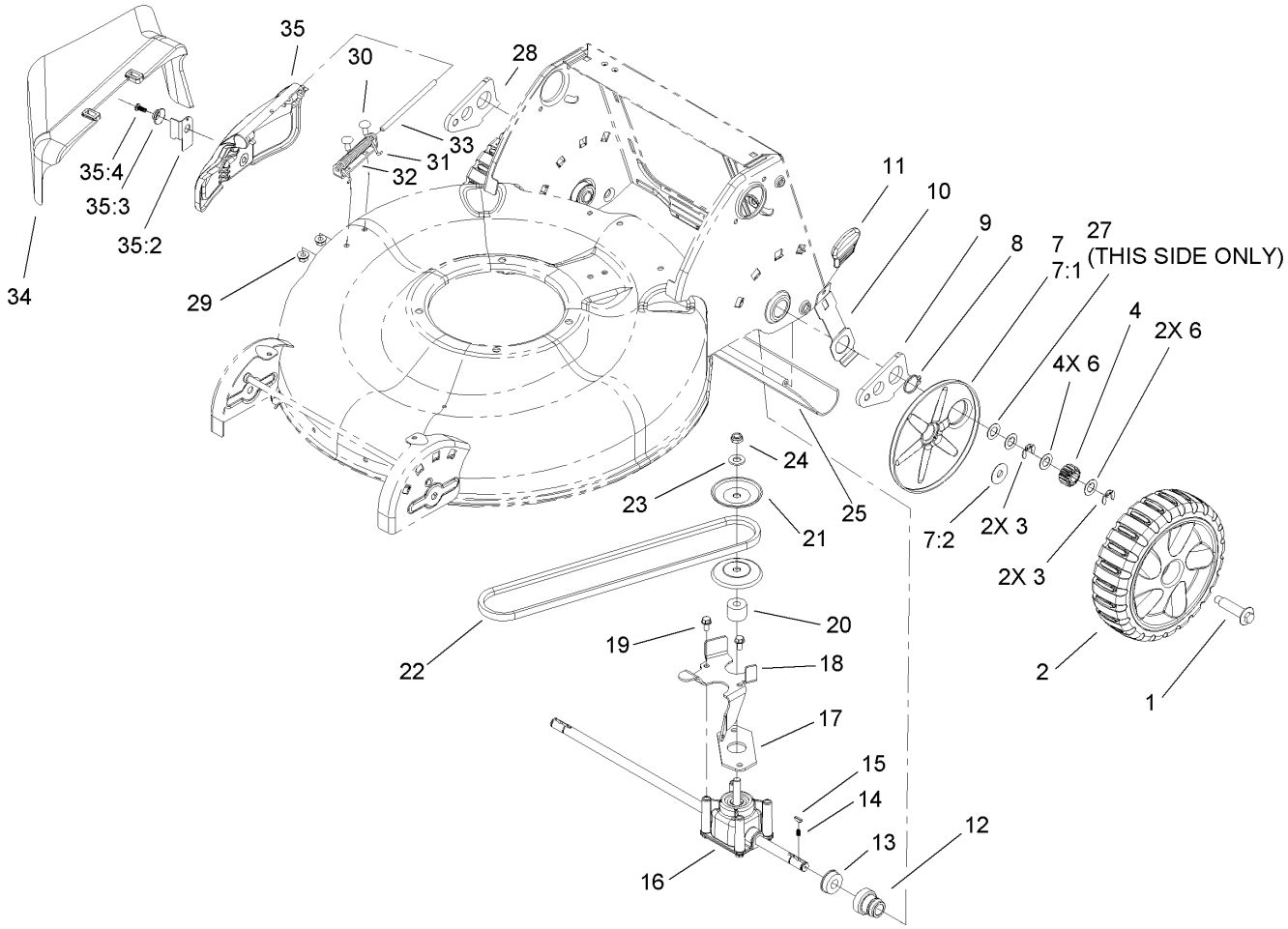
Ref	Part No.	Qty.	Description
1	108-9347	1	Housing ASM
2	107-3886	2	Cover-Wheel, 7 Inch
3	614650	2	Bolt-Shoulder
4	107-3891	2	7 Inch Wheel ASM
5	614672	2	Bolt-Shoulder
6	40-1940	2	Washer
7	107-3877	1	Arm-Pivot, RH
8	92-4890	2	Washer
9	107-3878	2	Arm-Spring
10	107-1904	2	Knob-Lever, HOC
11	107-3926	1	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	107-3905	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	112-1516	1	Module-Switch/Tec Bcs
21	94-1610	2	Nut-Clip
22	32144-111	1	Screw-PPH
23	108-0965	2	Screw-PTH

Ref	Part No.	Qty.	Description
28	108-1048	2	Washer-Support, Front
29	108-1044	1	Arm-Pivot, LH
30	108-7453	1	Decal
33	108-7461	1	Decal
35	107-1938	1	Decal-Bag Attachment
36	108-7502	1	Insert-Housing
❶39	110-1751	1	Mulch Plug ASM



Housing Assembly No. 108-9347

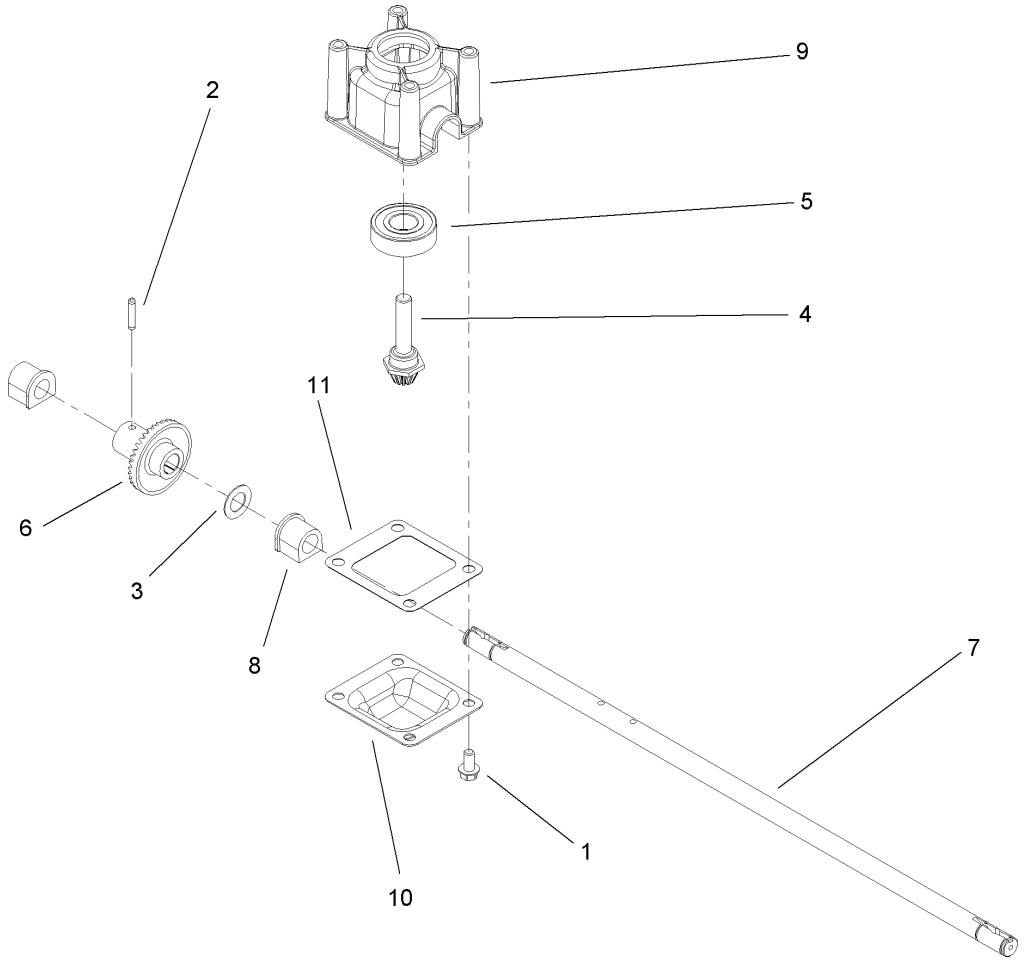
Ref	Part No.	Qty.	Description
2	94-8072	1	Decal-Danger
3	108-7450	1	Decal-HOC, RH
4	108-7451	1	Decal-HOC, LH
5	107-3889	1	Decal-Safety



Rear Axle and Transmission Assembly

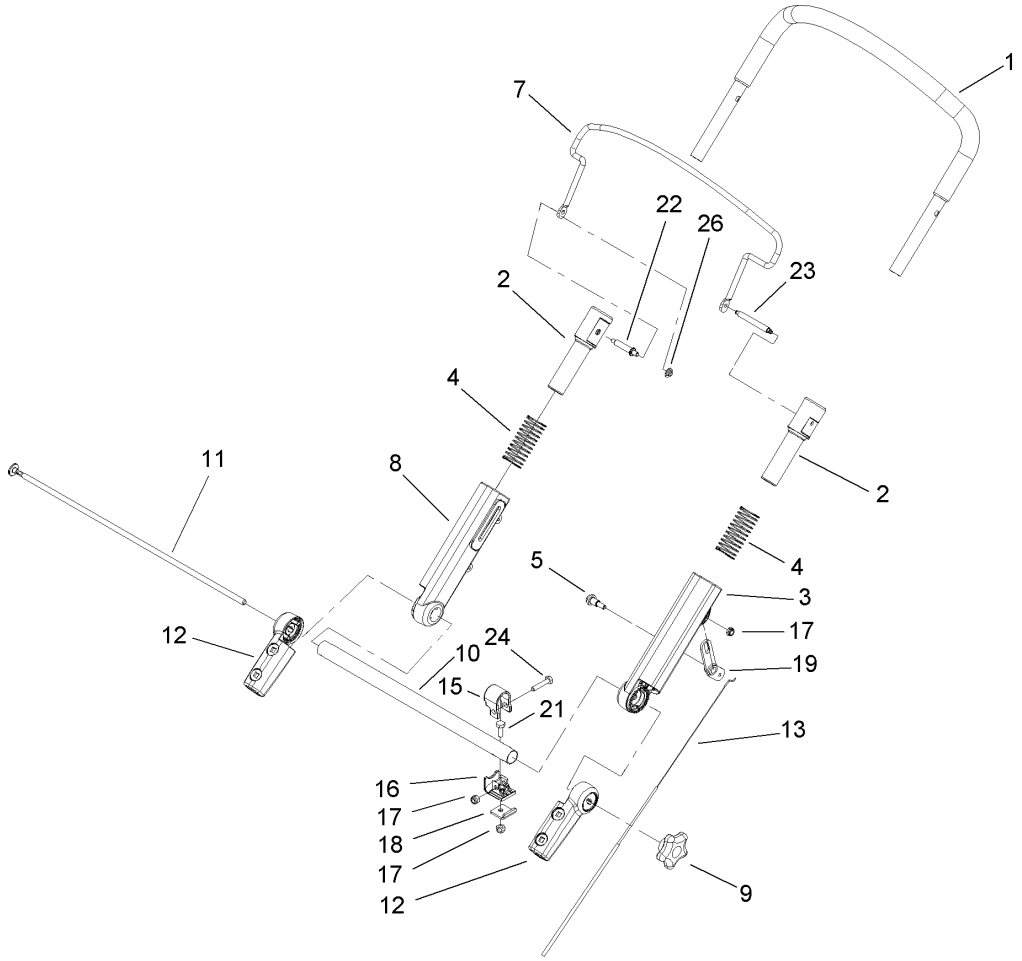
Ref	Part No.	Qty.	Description
1	614650	2	Bolt-Shoulder
2	107-3906	2	Rear Wheel ASM
3	65-2720	4	Klipring-Locking
4	105-3040	2	Gear-Pinion, 15T
6	105-6840	6	Washer-Thrust
7	108-7505	2	Wheel Cover ASM
❶❷7:1		1	Cover-Wheel
7:2	614426	1	Washer-Stepped
8	32151-36	2	Ring-Retaining
9	108-9344	1	Arm-Rear Pivot, 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	108-9756	1	Gasket-Gearbox
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
29	32128-32	2	Nut-HHF
30	3229-11	2	Screw-CARR
31	99-5293	1	Spring-Torsion
32	99-5292	1	Bracket-Cover
33	99-5291	1	Rod-Cover
34	105-3028	1	Chute-Discharge, Side
35	106-8376	1	Discharge Door ASM
35:2	107-0795	1	Latch-Door
35:3	107-7456	1	Cap-Door
35:4	107-7461	1	Screw-Plastite



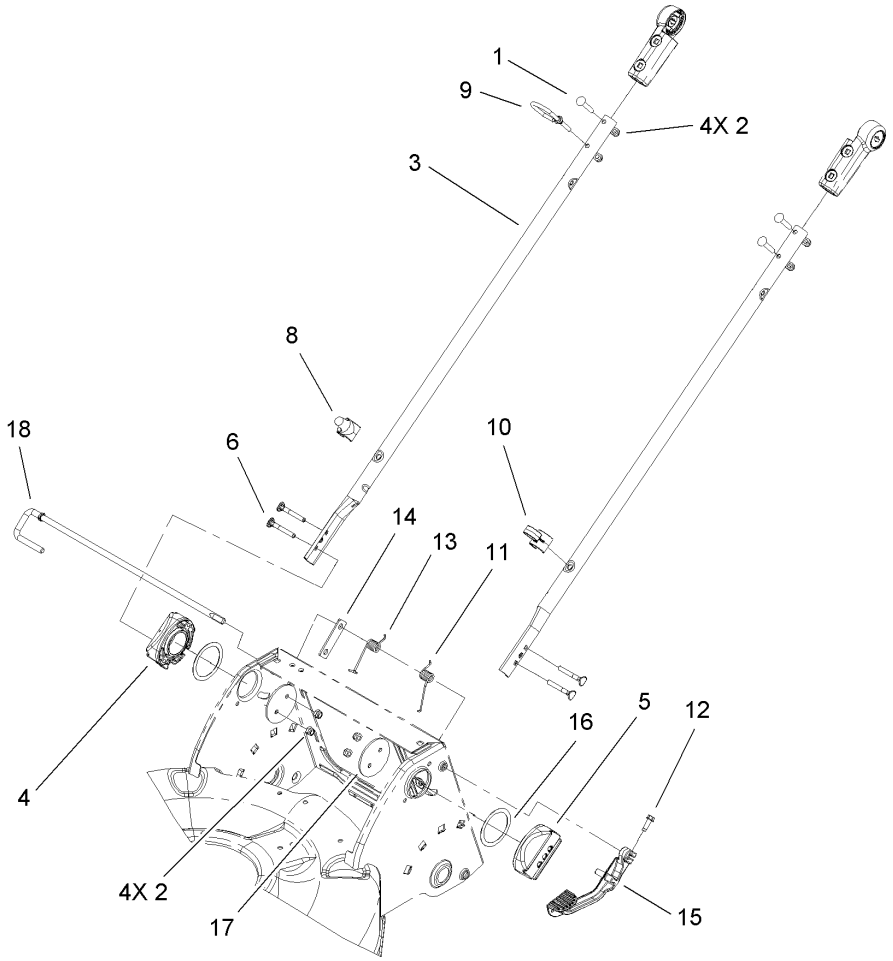
Transmission Assembly No. 107-3860

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



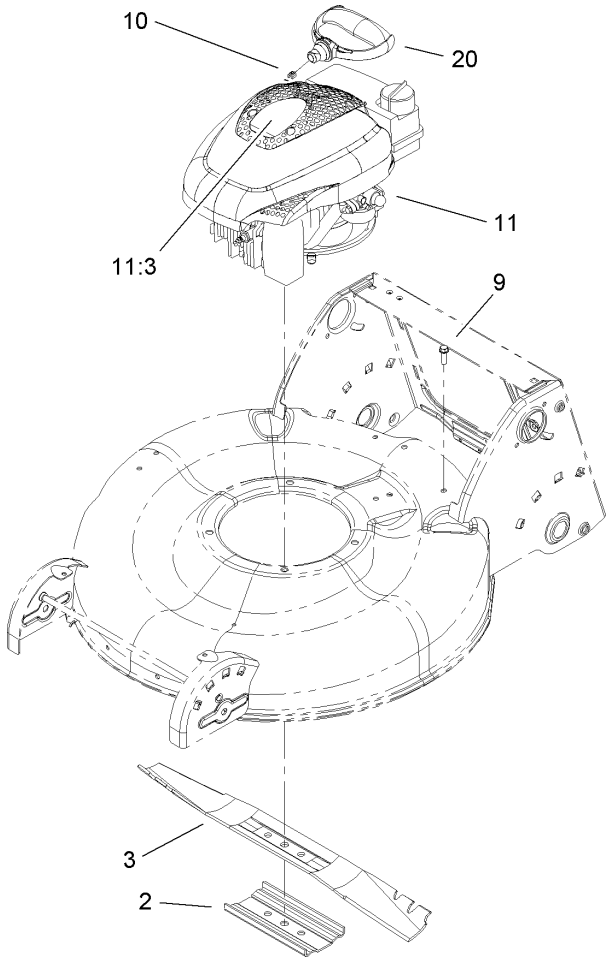
Upper Handle Assembly

Ref	Part No.	Qty.	Description
1	108-0974	1	Upper Handle ASM
2	107-3866	2	Sleeve-Handle
3	110-1755	1	Slide-Top, LH
4	107-3869	2	Spring-Compression
5	104-0858	1	Bolt-Shoulder
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
15	108-1045	1	Support-Cable
16	108-1046	1	Support-Guide, Cable
17	3296-73	3	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	110-1753	1	Pin-Handle, BBC
24	108-0988	1	Screw-CARR
26	108-9378	1	Retainer-Push On



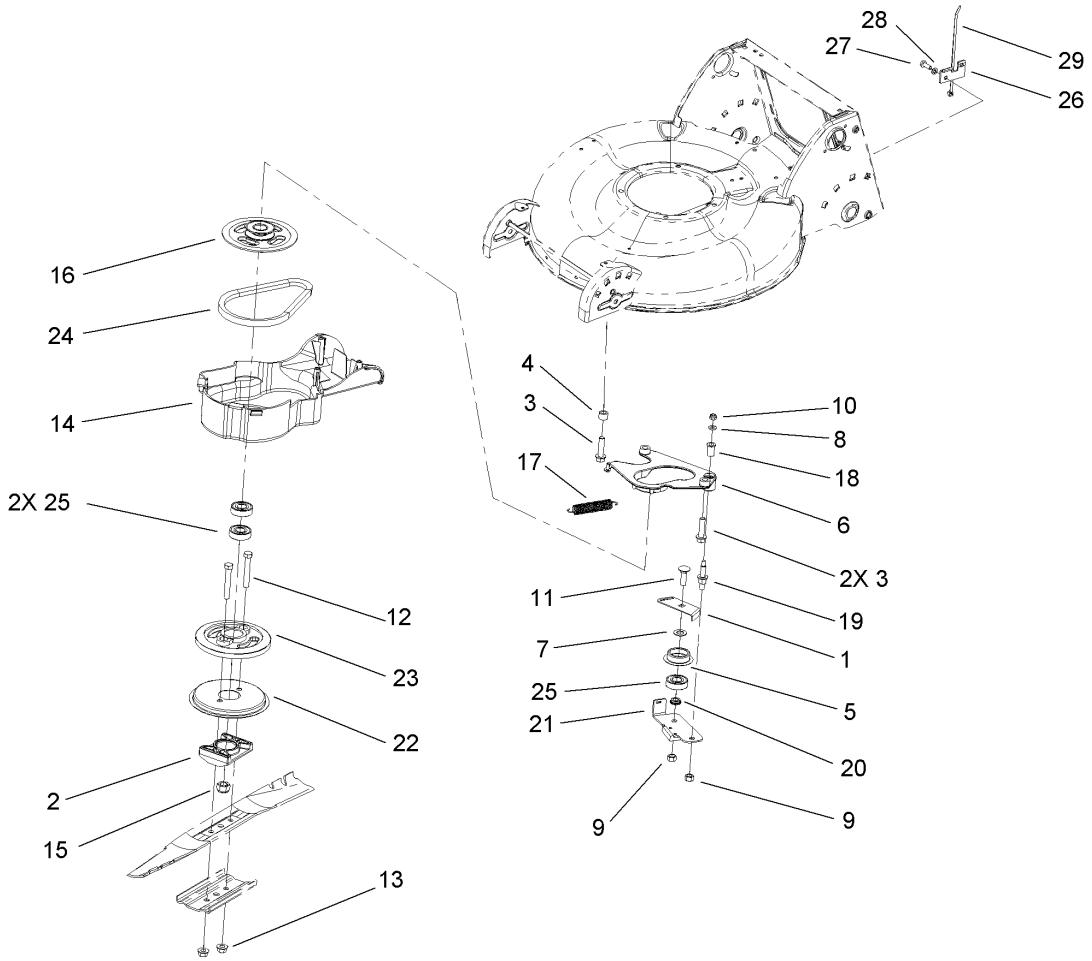
Lower Handle Assembly

Ref	Part No.	Qty.	Description
1	108-0988	3	Screw-CARR
2	3296-73	8	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	49-2040	1	Screw-HWHTF
13	108-0953	1	Spring-Torsion, RH
14	107-3946	1	Plate-Lock, Handle
15	110-1823-03	1	Lever-Release
16	107-3947	2	Washer-Nylon
17	107-3944-03	2	Plate
18	110-1822	1	Rod-Release, Handle



Blade and Engine Assembly

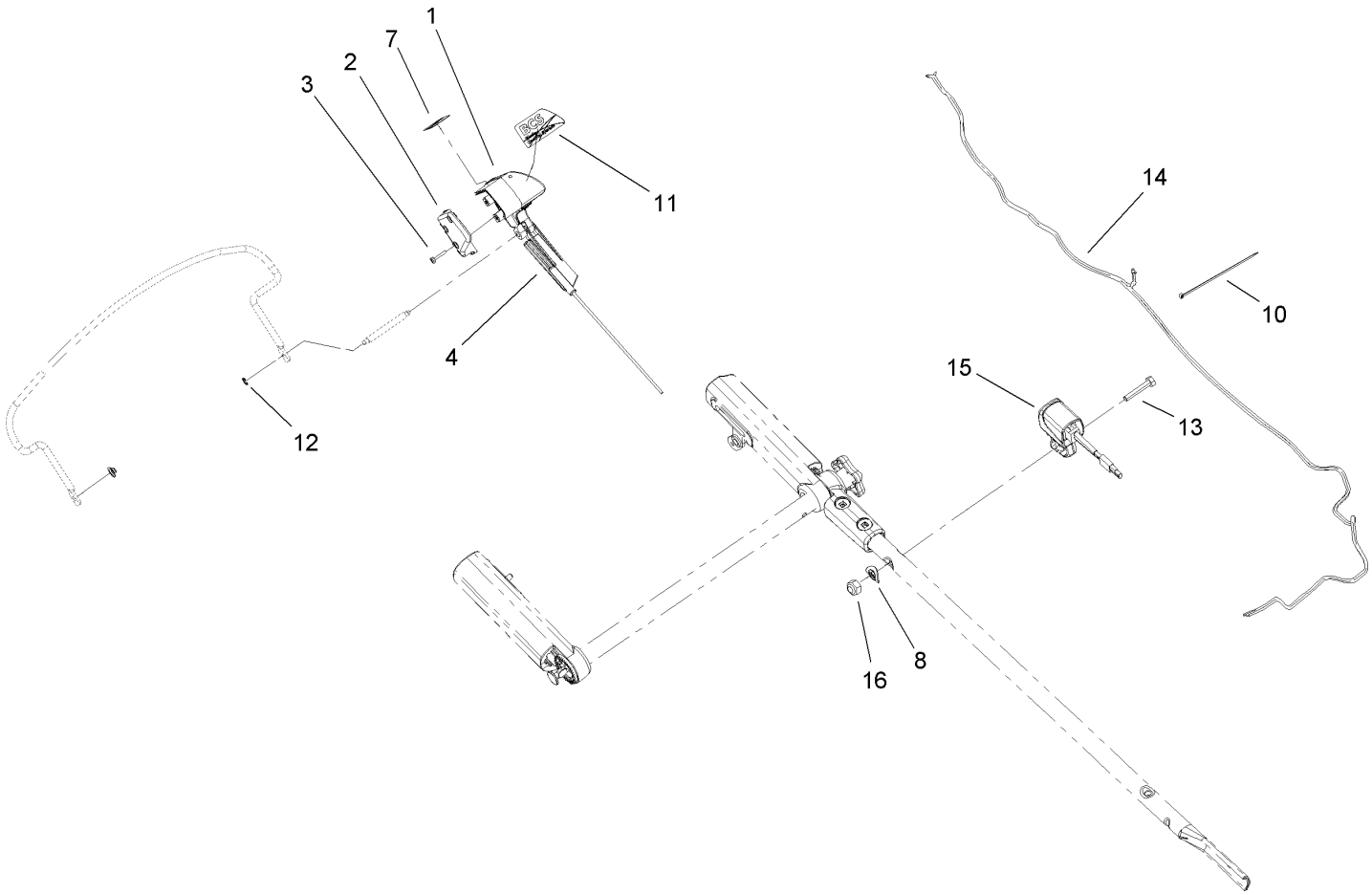
Ref	Part No.	Qty.	Description
2	108-3766-03	1	Support-Blade
3	108-0954-03	1	Blade-21 Inch
9	46-8091	3	Screw-HWH
10	92-1701	1	Stop-Rope
❷❸11		1	Engine-Tecumseh, Lv195Ea-362077D
11:3	108-7452	1	Decal-Recoil
20	110-1778	1	Handle-Recoil



Blade Brake Clutch Assembly

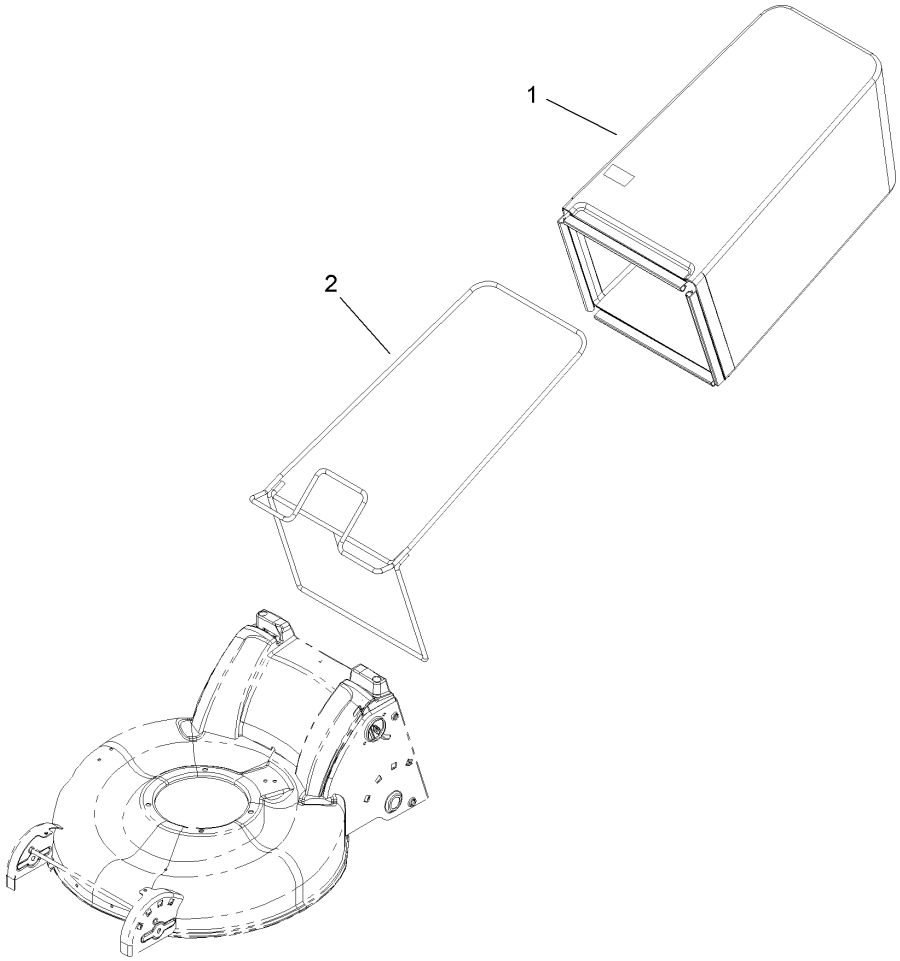
Ref	Part No.	Qty.	Description
1	107-7471	1	Plate-Guide
2	107-7487	1	Support-Blade
3	32144-102	3	Screw-HWH
4	100-6447	1	Tube-Spacer
5	108-3790	1	Retainer-Belt
6	108-9341	1	Plate-Anchor
7	605256	1	Washer
8	3256-16	1	Washer-Flat
9	603773	2	Nut
10	3296-73	1	Nut-Lock, NI
11	3231-25	1	Screw-CARR
12	3211-42	2	Screw-HH
13	54-9190	2	Nut-Lock
14	112-1525	1	Cover-BBC
15	108-9342	1	Nut-Hex
16	110-7456	1	Pulley-BBC
17	108-3792	1	Spring-Tension, Brake
18	107-0797	1	Bushing
19	107-0759	1	Bolt-Shoulder
20	107-0758	1	Spacer-Bearing
21	107-7477	1	Brake Arm ASM
22	108-3787	1	Disc
23	107-0754	1	Drum
24	110-1790	1	Belt-BBC

Ref	Part No.	Qty.	Description
25	100-1048	3	Bearing-Ball
26	110-1780	1	Clamp-Cable, BBC
27	321-4	1	Screw-HH
28	3253-3	1	Washer-Lock
29	614249	1	Strap-Tie



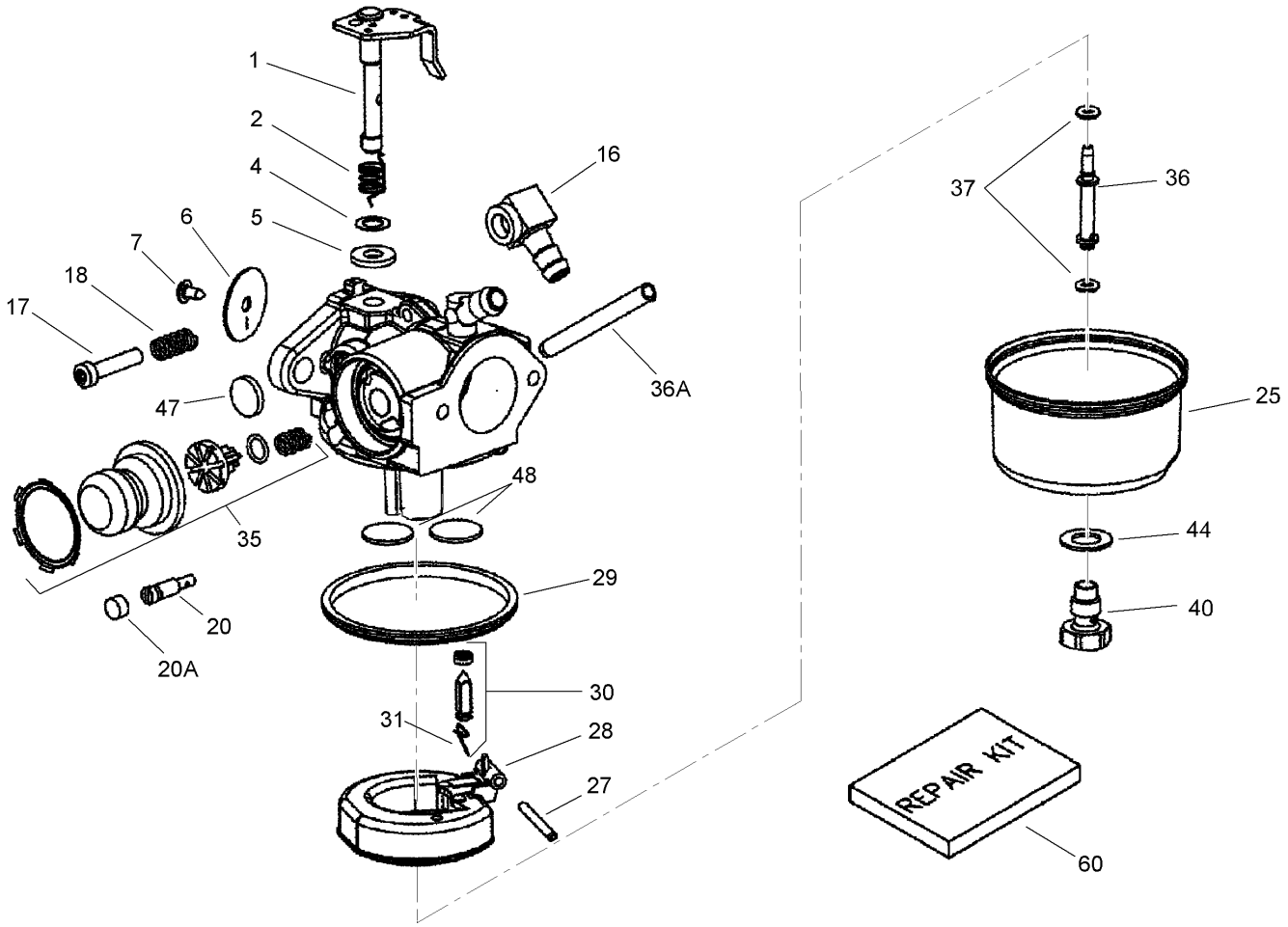
Upper Handle Assembly

Ref	Part No.	Qty.	Description
1	112-1519	1	Button ASM
2	108-7532	1	Cover-Switch
3	32144-111	3	Screw-PPH
4	108-7520	1	Cable-Brake
7	108-9393	1	Decal-Blade, BBC
8	107-3844	1	Washer
10	614249	4	Strap-Tie
11	108-9394	1	Decal-Control, Blade
12	110-1758	1	Ring-Retaining
13	321-51	1	Screw-HH
14	112-1524	1	Harness-Wire
15	112-1518	1	Switch Housing ASM
16	3296-73	1	Nut-Lock, NI



Rear Bag Assembly

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

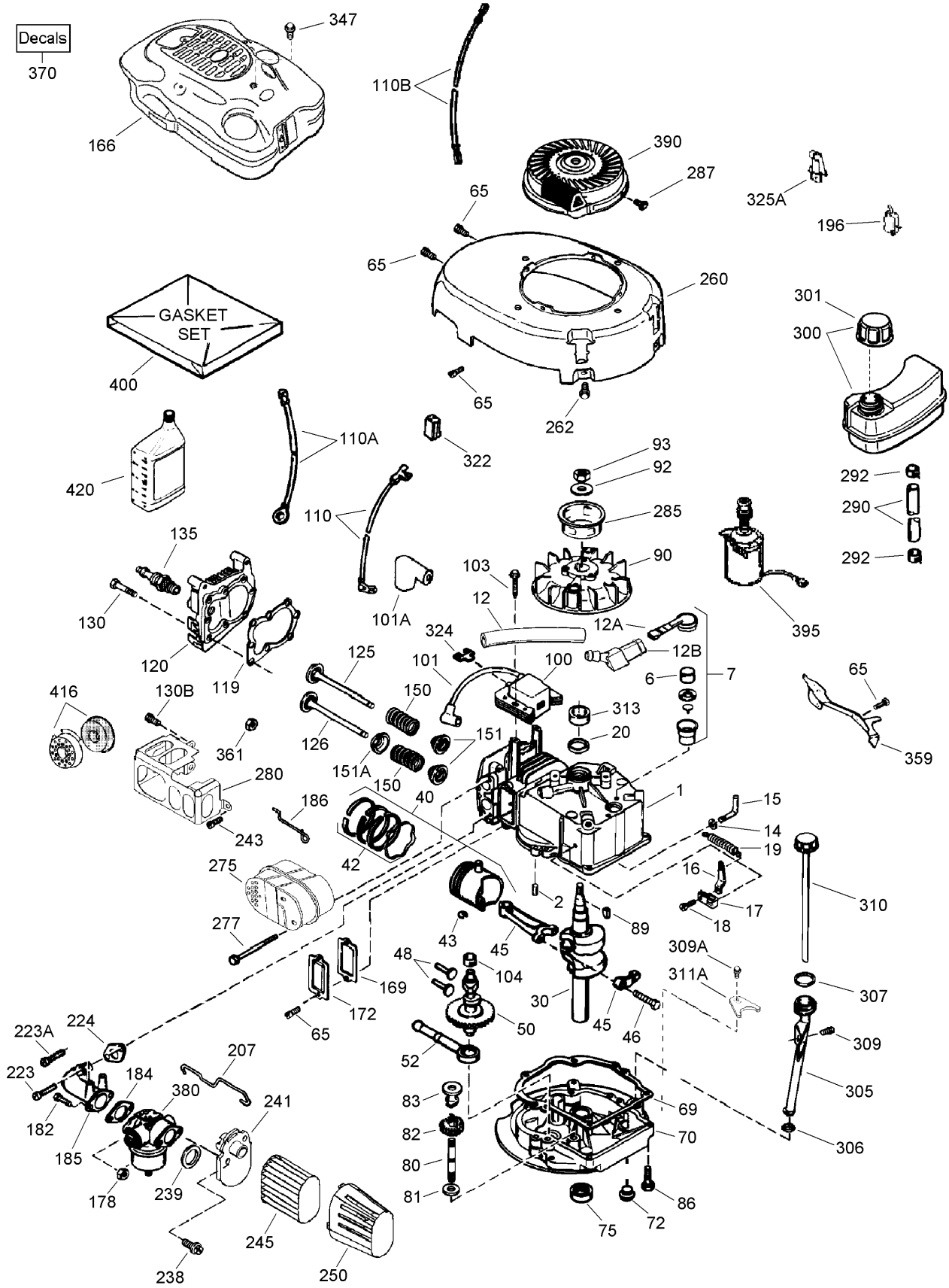


Carburetor Assembly No. 640350
Tecumseh LV195EA-362077D

Ref	Part No.	Qty.	Description
❸0	640350	1	Carburetor ASM
❸1	631615	1	Throttle Shaft And Lever ASM
❸2	631767	1	Spring-Return, Throttle
❸❹4	631184	1	Washer-Seal, Dust
❸❹5	631183	1	Dust Seal (Throttle)
❸6	640070	1	Shutter-Throttle
❸❹7	650506	1	Screw-Shutter
❸16	631807	1	Fitting-Fuel
❸17	651025	1	Screw-Throttle Crack/Idle Speed
❸18	630766	1	Spring-Tension
❸20	640016	1	Screw-Restrictor, Idle
❸20A	640200	1	Cap-Screw, Restrictor Idle
❸25	631867	1	Bowl-Float (No Drain)
❸❹27	631024	1	Shaft-Float
❸28	632802	1	Float (Plastic)
❸❹29	631028	1	O-Ring, Float Bowl
❸❹30	631021A	1	Inlet Needle, Seat And Clip ASM (Includes 31)
❸31	631022	1	Clip-Spring
❸35	640351	1	Primer Bulb/Valve Repair Kit
❸36	640080	1	Tube-Nozzle, Main
❸36A	632766	1	Tube-Carburetor
❸❹37	632547	2	O-Ring, Main Nozzle Tube
❸40	640030	1	Nut-Bowl, High Speed

Ref	Part No.	Qty.	Description
❸❹44	27110A	1	Washer-Nut, Bowl
❸❹47	630748	1	Plug-Welch, Idle Mixture Well
❸❹48	631027	2	Plug-Welch, Atmospheric Vent
❸60	632760B	1	Repair Kit

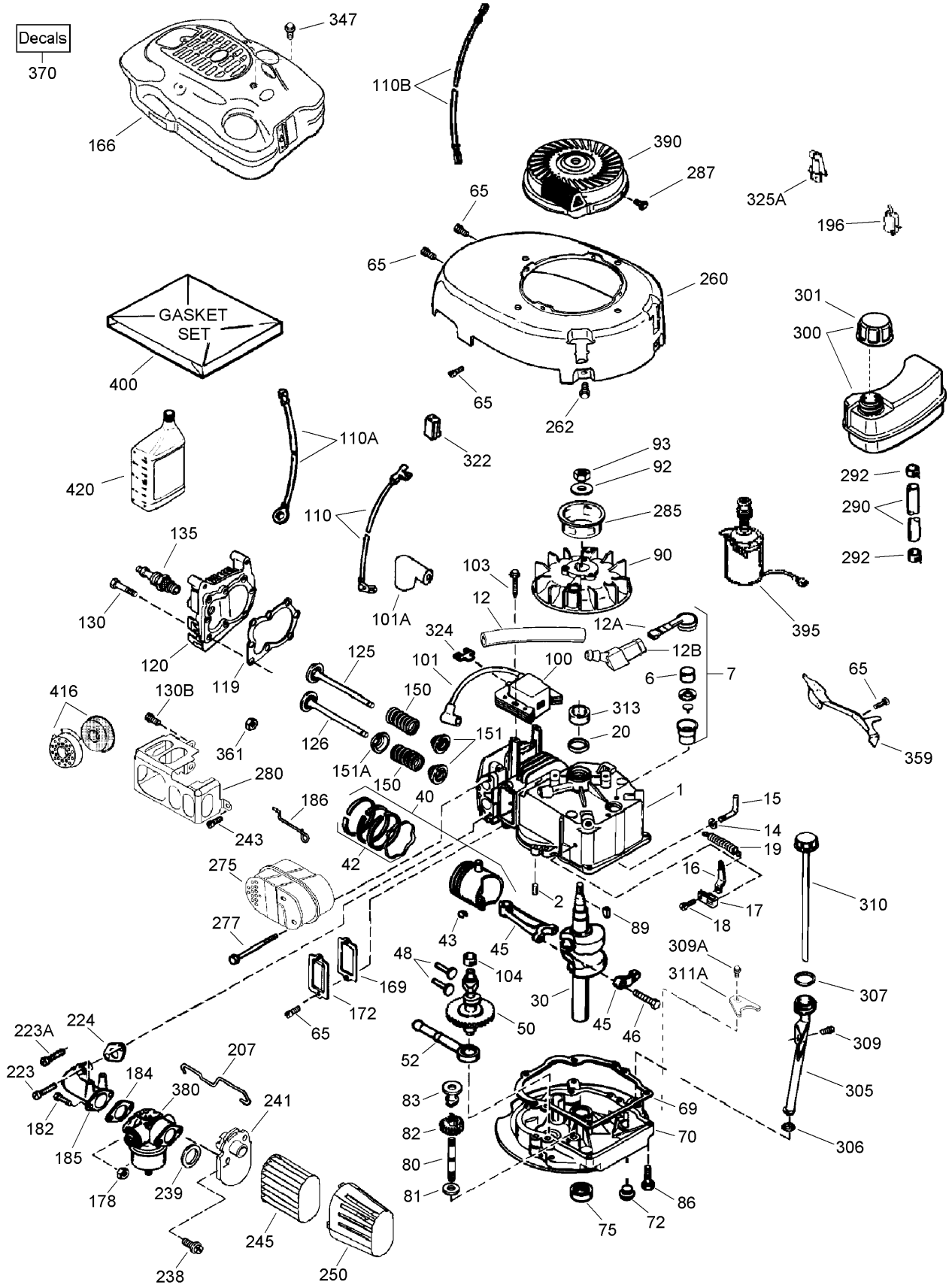
Engine Assembly No. 1
Tecumseh LV195EA-362077D



Engine Assembly No. 1
Tecumseh LV195EA-362077D

Ref	Part No.	Qty.	Description
❸1	37465	1	Cylinder ASM (Includes 2 And 20)
❸2	26727	2	Pin-Dowel
❸6	33734	1	Element-Breather
❸7	36557	1	Breather ASM (Includes 6 And 12A)
❸12	37944	1	Tube-Breather
❸12A	36558	1	Breather Cover And Tube ASM (Includes 12B)
❸12B	36694	1	Elbow-Tube, Breather
❸14	28277	1	Washer-Flat
❸15	30589	1	Governor Rod ASM (Includes 14)
❸16	34839A	1	Lever-Governor
❸17	31335	1	Clamp-Lever, Governor
❸18	651018	1	Screw (T-15, 8-32 X 19/64)
❸19	36281	1	Spring-Extension
❸20	32600	1	Seal-Oil
❸30	38001	1	Crankshaft
❸40	40045	1	Piston, Pin And Ring Set (.010 Os) (Includes 42)
❸40	40044	1	Piston, Pin And Ring Set (STD) (Includes 42)
❸42	40007	1	Ring Set (.010 Os)
❸42	40006	1	Ring Set (STD)
❸43	20381	2	Ring-Retaining, Piston Pin
❸45	36777	1	Connecting Rod ASM (Includes 46)
❸46	32610A	2	Bolt-Rod, Connecting
❸48	27241	2	Lifter-Valve
❸50	37460	1	Camshaft ASM (Exhaust Mcr) (Incudes 104)
❸52	29914	1	Oil Pump ASM
❸65	30200	6	Screw (10-24 X 9/16)
❸❺69	37609	1	Gasket-Flange, Mounting
❸70	37608A	1	Mounting Flange ASM (Includes 72 Thru 83, 306, 309A And 311A)
❸72	37614	1	Plug-Drain, Oil (Flush Mount)
❸75	27897	1	Seal-Oil
❸80	30574A	1	Shaft-Governor
❸81	30590A	1	Washer
❸82	30591	1	Governor Gear ASM (Includes 81)
❸83	30588A	1	Spool-Governor
❸86	650488	6	Screw (1/4-20 X 1-1/4)
❸89	611298	1	Key-Flywheel
❸90	37999	1	Flywheel (Plastic Ring-Gear)
❸92	650815	1	Washer-Belleville
❸93	650816	1	Nut-Flywheel
❸100	34443C	1	Ignition-Solid State
❸101	610118	1	Cover-Spark Plug
❸101A	611283	1	Shield-Spark Plug L-Head
❸103	651007	2	Screw (T-15, 10-24 X 15/16)
❸104	37480	1	Bushing-Cam
❸110	37021	1	Wire-Ground
❸110A	37047	1	Wire-Ground (10.50 With Male And Female Flag Terminals)
❸110A	36953	1	Wire ASM
❸110B	36954	1	Wire ASM
❸❺119	37796	1	Gasket-Head, Cylinder
❸120	37714	1	Head-Cylinder
❸125	36780	1	Valve-Exhaust (1/32 Os) (Includes 151)
❸125	37288	1	Valve-Exhaust (STD) (Includes 151)
❸126	37289	1	Valve-Intake (STD) (Includes 151)
❸130	6021A	8	Screw (5/16-18X1-1/2)
❸130B	650737	1	Screw (1/4-20 X 1/2)
❸135	35395	1	Spark Plug-Resistor (R J19 L M) (Also Available In Packaged Part 740081)

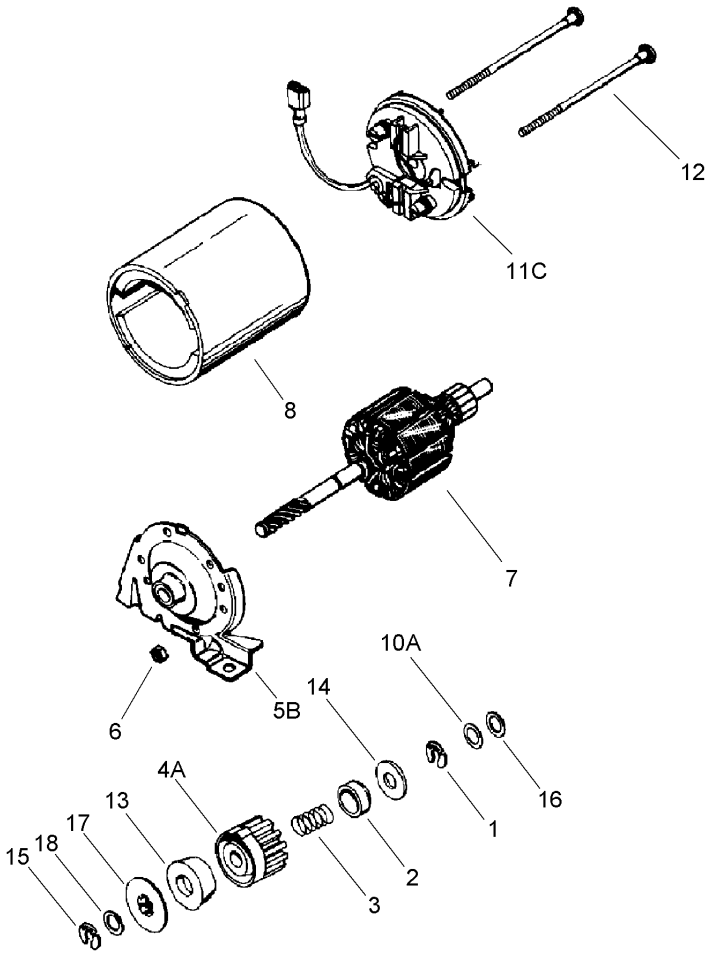
Engine Assembly No. 2
Tecumseh LV195EA-362077D



Engine Assembly No. 2
Tecumseh LV195EA-362077D

Ref	Part No.	Qty.	Description
❸150	31672	2	Spring-Valve
❸151	31673	2	Cap-Valve, Spring
❸151A	40017	1	Seal-Valve, Intake
❸166	37813A	1	Shroud-Engine (Green)
❸❺169	36783	1	Gasket-Cover, Valve
❸172	36784	1	Cover-Valve
❸178	29752	2	Nut And Lock Washer (1/4-28)
❸182	6201	2	Screw (1/4-28 X 7/8)
❸❺184	26756	1	Gasket-Carburetor To Intake Pipe
❸185	37466	1	Pipe-Intake
❸186	32653	1	Link-Governor
❸196	35035A	1	Switch-Restart, Power
❸207	34336A	1	Link-Throttle
❸223	650451	1	Screw (1/4-20 X 1)
❸223A	651074	1	Stud-Pipe, Intake
❸❺224	36786	1	Gasket-Pipe, Intake
❸238	650932	2	Screw (10-32 X 49/64)
❸❺239	34338	1	Gasket-Air Cleaner
❸241	36919	1	Collar-Air Cleaner
❸243	650902	1	Screw (10-32 X 7/16)
❸245	36905	1	Filter-Air Cleaner (Also Available In Packaged Part 740083)
❸250	37122	1	Cover-Air Cleaner
❸260	37693A	1	Housing-Blower
❸262	650831	2	Screw (1/4-20 X 1/2)
❸275	37498	1	Muffler
❸277	650988	2	Screw (1/4-20 X 2-9/32)
❸280	37618	1	Shield-Heat
❸285	38000	1	Cup-Starter
❸287	650926	4	Screw (8-32 X 21/64)
❸290	37962	1	Line-Fuel (Low Permeation)
❸292	26460	2	Clamp-Line, Fuel
❸300	37947	1	Fuel Tank ASM (Includes 292 And 301)
❸301	37844	1	Cap-Fuel (Black) (1-1/2 Id) (Also Available In Packaged Part 740041B)
❸305	35647A	1	Tube-Fill, Oil
❸306	37610	1	O-Ring
❸307	35499	1	O-Ring
❸309	650562	1	Screw (10-32 X 1/2)
❸309A	650783	1	Screw (10-24 X 3/4)
❸310	35648	1	Dipstick
❸311A	37611	1	Bracket-Holddown
❸313	34080	1	Spacer
❸322	35013	1	Body-Connector
❸324	33177	1	Terminal
❸325A	35249	1	Clip-Actuator, Brake Switch
❸347	650898A	4	Screw (10-32 X 27/32)
❸359	37876	1	Guard-Flywheel
❸361	651075	1	Nut-Lock
❸370	37695	1	Decal-Primer

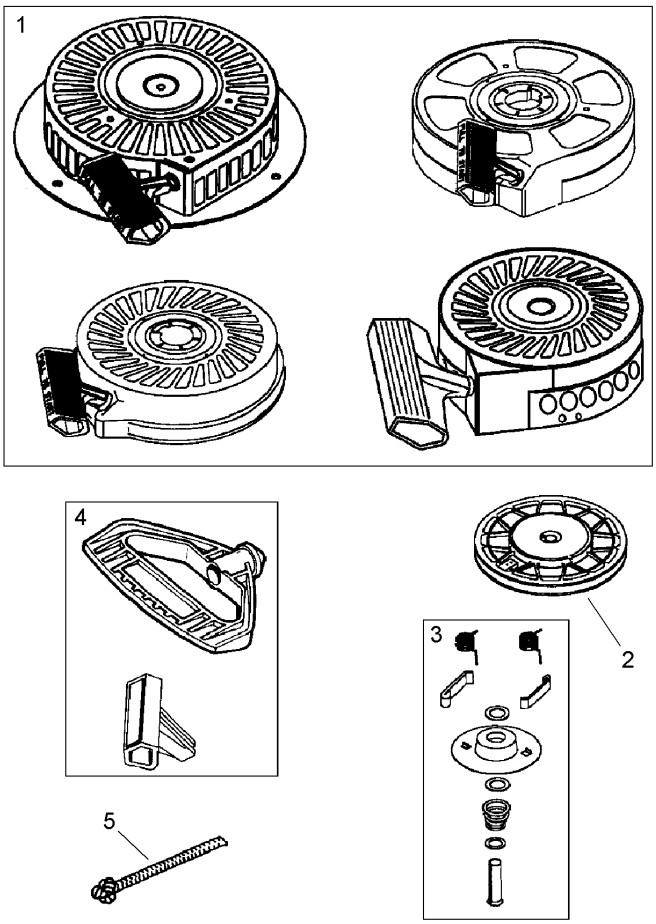
Ref	Part No.	Qty.	Description
❸370	36534A	1	Instruction Decal - Caution - Read Owner's Manual
❸380	640350	1	Carburetor ASM (Includes 184)
❸390	590702	1	Starter-Recoil
❸395	37753	1	12-Volt Electric Starter Motor ASM
❸400	37613A	1	Gasket Set
❸416	37530	1	Spark Arrestor Kit (Includes 417)
❸420	730225A	1	Oil-Engine, Sae 30 (4-Cycle)
❶❸421	806174A	1	Replacement Engine ASM
❶❸422	750876	1	Shortblock-Replacement
❶❸999	730277	1	Summer Maintenance Kit (Includes Sae 30 Oil)



Electric Starter Kit No. 37753
Tecumseh LV195EA-362077D

Ref	Part No.	Qty.	Description
❸0	37753	1	12-Volt Electric Starter Motor ASM
❸1	34955	1	Ring-Retaining
❸2	34950	1	Retainer-Spring
❸3	34954	1	Spring
❸4A	37788	1	Gear
❸5B	34943	1	Drive End Cap ASM
❸6	33450	2	Nut-Lock
❸7	34944	1	Armature
❸8	34945	1	Housing ASM
❸10A	590500	1	Washer-Thrust
❸11C	35714	1	Commutator End Cap Ass-Y. (Incl. Brushes)
❸12	34947	2	Bolt
❸13	34946	1	Driver-Pinion
❸14	34951	1	Washer-Cup
❸15	34952	1	Ring-Retaining
❸16	34948	1	Washer
❸17	34953	1	Nut-Drive
❸18	590608	1	Washer

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



Recoil Starter Assembly No. 590702 (Optional)
Tecumseh LV195EA-362077D

Ref	Part No.	Qty.	Description
❸1	590702	1	Starter-Recoil
❸2	590700	1	Pulley And Rewind Spring ASM
❸3	590774	1	Repair Kit
❸4	590701	1	Handle-Starter
❸5	590535	1	98 Starter Rope (Cut To Length)

Attachments and Accessories

For 10687 - Insight Lawn Mower

Product Name	Model/Part
Lawn Boy Paint	110-8800
Height-Of-Cut Kit	110-8801
Loose Parts Kit	112-1526
Replacement Bag	89815
Rear Bag Kit	89913
21 Inch Blade	89914
Cruise Control Kit	89919
Air Filter	89945
Spark Plug	89946

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