

Bolens[®]

**Tractor
8HP**

Model 813(G8)

Serial Number 0400101
thru 0999999

Parts List

BOLENS 8HP TRACTOR

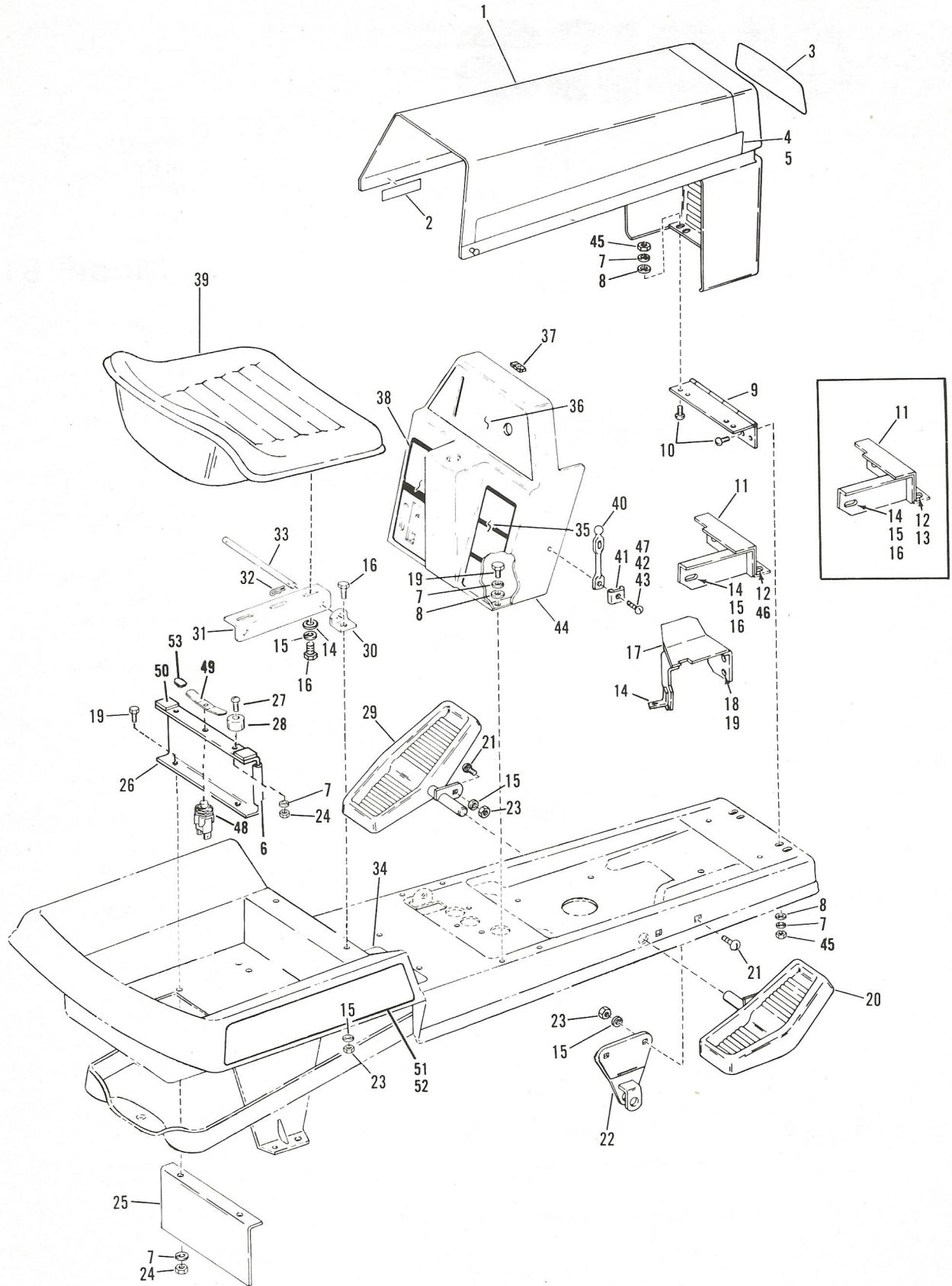


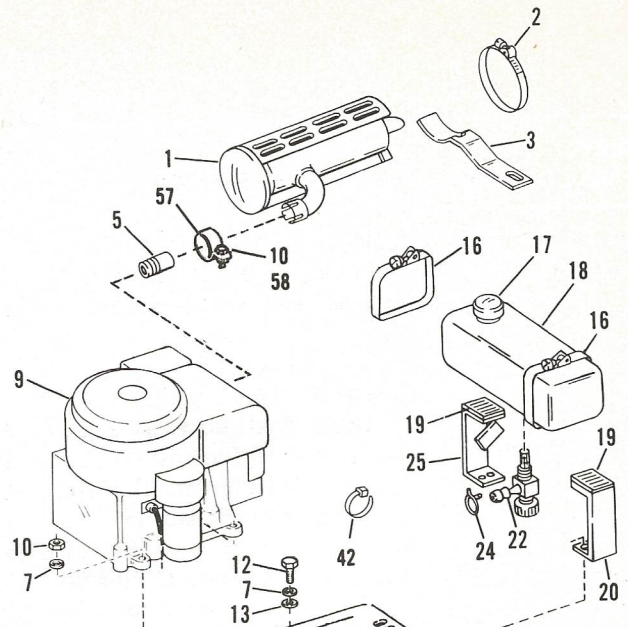
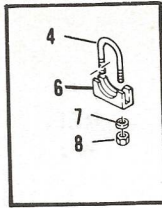
Figure 1 TRIM ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1722315	Hood without Decals (1) . . .	1	28	1715467	Snubber (1)(2)(3)	2
	1727399	Hood without Decals (2)(3) .	1	29	1722253	Foot Rest, L.H.	1
	1734570	Hood without Decals (4)(5)	1	30	1722435	Support.	2
2	1722456	Pad (1)(2)(3)	2	31	1722433	Seat Support	2
3	1725590	Decal, Trade Mark (1)	1	32	1703011	Spring Clip	2
	1727282	Decal, Trade Mark (2)(3)(4)	1	33	1722434	Seat Rod	1
	1736698	Decal, Trade Mark (5)	1	34	1725586	Decal, Shift (1)	1
4	1725587	Decal, R.H. (Bolens) (1) . . .	1		1727103	Decal, Shift (2)(3)(4)	1
	1727393	Decal, R.H. (Bolens)(2)(3)(4)	1		1736753	Decal, Shift (5)	1
	1736683	Decal, R.H. (Bolens) (5) . . .	1	35	1725584	Decal, Dash Panel, R.H. (1)	1
5	1725588	Decal, L.H. (Bolens) (1) . . .	1		1727101	Decal, Dash Panel, R.H. (2)(3)(4)	1
	1727394	Decal, L.H. (Bolens)(2)(3)(4)	1		1736751	Decal, Dash Panel, R.H. (5)	1
	1736682	Decal, L.H. (Bolens) (5) . . .	1	36	1725590	Decal, Dash (1)	1
6	1730248	Wear Strip (4)(5)	1		1727104	Decal, Dash (2)(3)(4)	1
7	● 1100241	Lockwasher, 1/4	12		1736754	Decal, Dash (5)	1
8	● 1107381	Flat Washer, 1/4	8	37	1717973	Rubber Pad	1
9	1722319	Hinge	1	38	1725585	Decal, Dash Panel, L.H. (1)	1
10	● 1115931	Phil. Hd. Screw, 1/4-20 x 5/8	4		1727102	Decal, Dash Panel, L.H. (2)(3)(4)	1
11	1726036	Heat Shield Assembly (1)(2)(3)	1		1736750	Decal, Dash Panel, L.H. (5)	1
	1734569	Heat Shield Assembly (4)(5)	1	39	1723535	Seat (1)(2)(4)(5)	1
12	● 1100243	Lockwasher, 3/8	2		1733028	Seat (3)	1
13	● 1103212	Capscrew, 3/8-16 x 5/8 (1)(2)(3)	2	40	1727127	Latch (2)(3)(4)(5)	2
14	● 1100255	Flat Washer, 5/16	6	41	1727126	Clip (2)(3)(4)(5)	2
15	● 1100242	Lockwasher, 5/16	11	42	● 1118172	Machine Screw, Rd. Hd. No. 10-24 x 5/8 (2)(3) . . .	2
16	● 1103195	Capscrew, 5/16-18 x 5/8 . . .	7	43	1185985	Nut, Keps, No. 10-24 (2)(3)	2
17	1726041	Heat Shield Assembly	1	44	1727398	Panel Assembly	1
18	1185456	Tinnerman Nut, Type "U", 1/4-20	2	45	● 1186229	Hex Nut, 1/4-20 (4)(5) . . .	4
19	● 1111599	Capscrew, 1/4-20 x 5/8 H.T.	8	46	● 1186231	Hex Nut, 3/8-16 (4)(5) . . .	2
20	1722252	Foot Rest, R.H.	1	47	1728772	Pop Rivet .19 (4)(5)	2
21	● 1186098	Carriage Bolt, 5/16-18 x 3/4	4	48	1733925	Switch (4)(5)	1
22	1722406	Front Hitch	2	49	1733923	Spring (4)(5)	1
23	● 1186230	Hex Nut, 5/16-18	6	50	1732056	Rubber Pad (4)(5)	2
24	● 1186229	Hex Nut, 1/4-20	4	51	1736697	Decal, Identification, R.H. (5)	1
25	1723191	Rear Shield (1)	1	52	1736696	Decal, Identification, L.H. (5)	1
26	1722376	Support (1)(2)(3)	1	53	1733924	Grip (5)	2
	1732578	Support (4)(5)	1				
27	● 1110685	Rd. Hd. Screw, 1/4-20 x 5/8 (1)(2)(3)(5)	2				

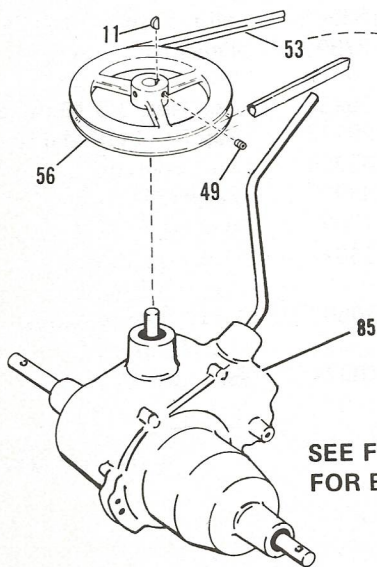
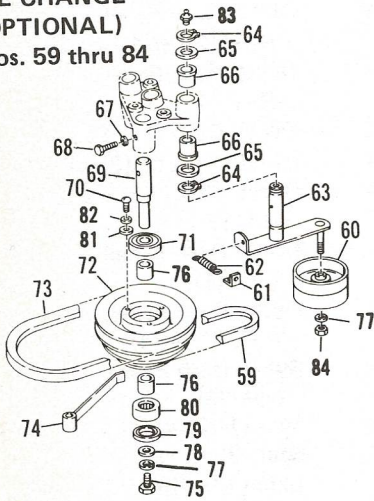
● Common Hardware - Purchase Locally (Grade 5 where applicable.)

- (1) Serial Numbers 0400101 thru 0499999
- (2) Serial Numbers 0500101 thru 0599999
- (3) Serial Numbers 0600101 thru 0699999
- (4) Serial Numbers 0700101 thru 0899999
- (5) Serial Numbers 0900101 and up

BOLENS 8HP TRACTOR



MODEL 15106-1 RANGE CHANGE KIT (OPTIONAL) Ref. Nos. 59 thru 84



SEE FIG. 3 PAGE 6
FOR BREAKDOWN

Figure 2 ENGINE AND DRIVE ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1725591	Muffler (1)	1	42	● 1805345	Tie	1
	1727106	Muffler (2)(3)(4)	1	43	1713803	Idler Pulley (1)(2)(4)	1
2	1723599	Clamp	1		1715340	Idler Pulley (3)	1
3	1725571	Muffler Support	1	44	1716896	Spacer (1)(2)	1
4	1725575	"U" Bolt (1)(2)(3)	1		1718651	Spacer (3)(4)	1
5	1105707	Pipe Nipple, 3/4 N.P.T. x 1-3/8	1	45	● 1100048	Capscrew, 3/8-16 x 2	1
6	1725574	Clamp (1)(2)(3)	1	46	● 1111616	Capscrew, 3/8-16 x 4	1
7	● 1100242	Lockwasher, 5/16	6	47	1187474	Square Key, 1/4 x 2-1/4	1
8	● 1186211	Hex Nut, 5/16-24 (1)(2)(3)	2	48	1722239	Belt Guide	1
9	*	Briggs & Stratton Engine, 191707-1125-01	1	49	1185919	Set Screw, 5/16-18 x 3/8	4
10	● 1186230	Hex Nut, 5/16-18	5	50	● 1100265	Flat Washer, 7/16	1
11	1185885	Woodruff Key	1	51	● 1100244	Lockwasher, 7/16	1
12	● 1103195	Capscrew, 5/16-18 x 5/8	2	52	● 1103379	Capscrew, 7/16-20 x 1	1
13	● 1100255	Flat Washer, 5/16	2	53	1722238	Drive Belt, 65"	1
14	1185261	Lockwasher, Periphery, 5/16	4	54	1722235	Engine Sheave	1
15	● 1100799	Capscrew, 5/16-18 x 1-1/2	4	55	1722236	Stud	2
16	1723413	Tank Strap	2	56	1722232	Transmission Sheave	1
17	1723473	Cap Only	1	57	1729779	Muffler Clamp (4)	1
18	1735063	Fuel Tank (Incl. Ref. No. 17)	1	58	● 1186102	Carriage Bolt, 5/16-18 x 1-1/4	1
19	1722873	Pad	2	**59	1722993	Belt, 44-1/2	1
20	1722477	Tank Support, R.H.	1	**60	1713802	Idler Pulley	1
21	● 1103212	Capscrew, 3/8-16 x 5/8	1	**61	1713686	Bracket	1
22	1718029	Tank Outlet	1	**62	1723117	Spring	1
23	● 1100243	Lockwasher, 3/8	6	**63	1722986	Arm Assembly	1
24	1723474	Hose Clamp	1	**64	1113527	Retaining Ring	2
25	1722478	Support Assembly, L.H.	1	**65	● 1700821	Flat Washer, 3/4	2
26	1722259	PTO Support	1	**66	1717263	Nylon Bushing	2
27	1722364	Nyliner	2	**67	● 1100241	Lockwasher, 1/4	1
28	1723435	PTO Arm Assembly	1	**68	● 1100069	Capscrew, 1/4-20 x 1	1
29	● 1709401	Flat Washer, 7/8	1	**69	1722989	Jack Shaft	1
30	1185889	Retaining Ring	1	**70	● 1185472	Screw, No. 10-24 x 1/2	3
31	1185601	Oil Seal	1	**71	1185064	Ball Bearing	1
32	1185007	Needle Bearing	1	**72	1722991	Sheave	1
33	1723438	PTO Sheave	1	**73	1725469	V-Belt, 35"	1
34	1185976	Grease Fitting	1	**74	1722988	Belt Guide Assembly	2
35	● 1103959	Flat Washer, No. 10	3	**75	● 1103212	Capscrew, 3/8-16 x 5/8	2
36	● 1100240	Lockwasher No. 10	3	**76	1185920	Inner Race	2
37	● 1100115	Screw, No. 10-24 x 1/2	3	**77	● 1100243	Lockwasher, 3/8	2
38	● 1893445	Flat Washer, 3/8	1	**78	● 1107383	Flat Washer, 3/8	1
39	1120502	Ball Bearing	1	**79	1185601	Oil Seal	1
40	1722258	PTO Belt, 31" (1)(2)	1	**80	1185007	Needle Bearing	1
	1732582	PTO Belt, 31" (3)(4)	1	**81	● 1103959	Flat Washer, No. 10	3
41	● 1186231	Hex Nut, 3/8-16	8	**82	● 1100240	Lockwasher, No. 10	3
				**83	1104954	Grease Fitting	1
				**84	● 1121509	Hex Nut, 3/8-16	1
				**85	1724257	Transmission	1

- (1) Serial Numbers 0400101 thru 0499999
- (2) Serial Numbers 0500101 thru 0599999
- (3) Serial Numbers 0600101 thru 0699999
- (4) Serial Numbers 0700101 and up

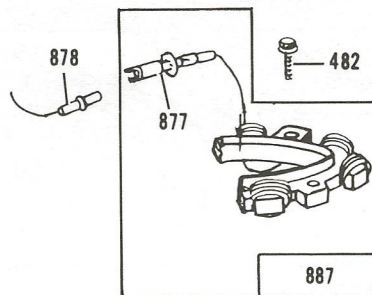
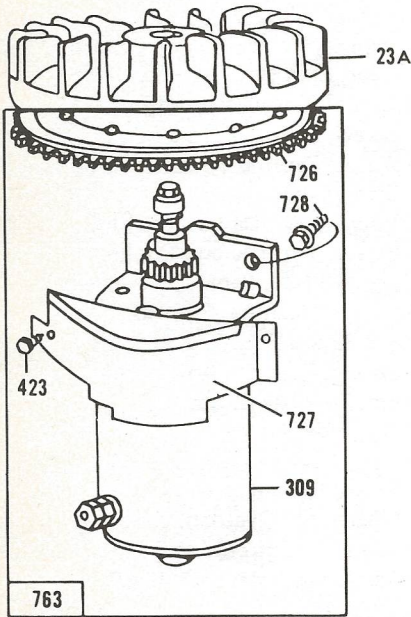
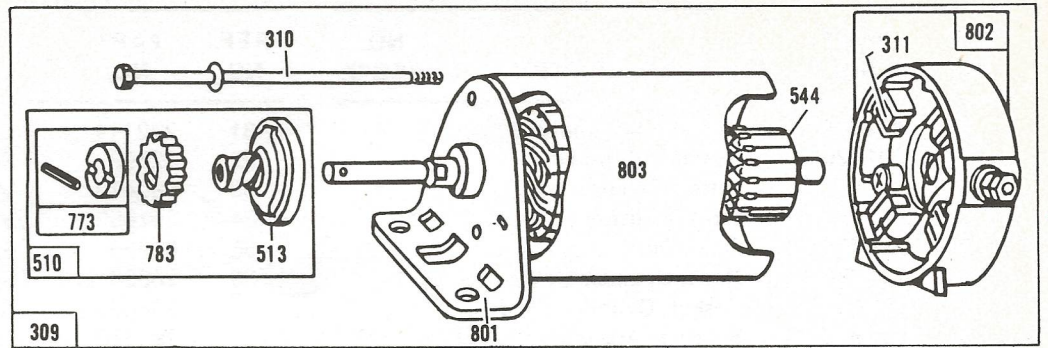
*Purchase Parts from your Briggs & Stratton Outlet.
 **Note: Used Only on Model 15106-01 Optional Range Kit.
 ***Purchase Parts from your Tecumseh Dealer

Common Hardware - Purchase Locally (Grade 5 where applicable.)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	392005	Cylinder Assembly.		31	222114	Lock, Conn. Rod Screw . . .	
2	391726	Bushing, Cylinder Note: Requires special tools for installation.		32	92659	Screw, Conn. Rod	
3	294606	Seal - Oil		33	390419	Valve, Exhaust	
5	212286	Head, Cylinder		34	261055	Valve, Intake	
7	270430	Gasket, Cylinder Head		35	65906	Spring, Intake Valve.	
8	299848	Breather Assembly.		36	26828	Spring, Exhaust Valve	
9	27803	Gasket, Valve Cover.		40	221596	Retainer, Intake Valve	
10	93536	Screw, Sem		41	292260	Rotocoil, Exhaust Valve	
11	280005	Tube, Breather		42	93630	Retainer, Exhaust Valve Rotocoil (2).	
12	27750	Gasket, Crankcase Cover, 1/64" Thick.		45	260933	Tappet, Valve.	
	27876	Gasket, Crankcase Cover, .005" Thick.		46	211689	Gear, Cam	
	27877	Gasket, Crankcase Cover, .009" Thick.		52	270538	† Gasket, Carburetor Mtg. . . .	
13	93211	Screw, Cylinder Head, (2-21/32" Long).		74	93042	Screw, Sem	
14	93723	Screw, Cylinder Head, (3" Long) (Req'd.)		75	220865	Washer, Spring	
15	91084	Plug, Oil Drain		78	93805	Screw Sem.	
16	390370	Crankshaft.		94	292681	† Valve Assy., Carburetor Idle	
18	298616	Sump, Oil		95	93499	Screw, Throttle and Choke Valve Mtg. Sem	
19	295963	Bushing, Oil Sump. Note: Requires special tools for installation.		98	91920	Screw, Machine, Fill. Hd., 8-32 x 5/8"	
20	298423	Seal, Oil.		99	26157	Spring, Throttle Adjustment	
21	66768	Plug, Oil Filter		101	93043	Pin, Throttle Stop	
22	93585	Screw, Sump Mounting Sem		104	230896	† Pin, Float Hinge	
23	391983	Flywheel and Ring Gear Assy., Magneto. For use on engines WITH ALTERNA- TOR. (Includes aluminum ring gear). For use only with starter motors with Plastic Drive Gear.		108	222010	Valve, Choke	
24	61760	Key, Flywheel		118	391233	† Valve, Needle	
25	391673	Piston Assy., Std.		121	299852	Carburetor Overhaul Kit. . . .	
	391674	Piston Assy., .010" O.S.		123	93357	Screw, Carburetor Mtg.. . . .	
	391675	Piston Assy., .020" O.S.		125	390811	Carburetor Assy. (Choke-A- Matic).	
	391676	Piston Assy., .030" O.S.		126	299851	Body Assy., Carburetor	
PISTON RING SETS:				127	221997	† Plug, Welch	
Note: For Chrome Piston Ring Set - Standard Size, Order No. 299743.				128	211682	Venturi, Carburetor.	
26	391669	Ring Set, Piston, Std.		130	221986	Valve, Throttle	
	391670	Ring Set, Piston, .010" O.S.		131	391512	Shaft and Lever, Throttle . .	
	391671	Ring Set, Piston, .020" O.S.		132	211712	Stop, Throttle.	
	391672	Ring Set, Piston, .030" O.S.		133	299707	Float, Carburetor	
27	68546	Lock, Piston Pin		134	299096	† Valve, Fuel Inlet	
28	295840	Pin Assy., Piston, Std.		136	221995	Bowl, Float	
	295841	Pin Assy., Piston, .005" O.S.		137	270511	† Gasket, Float Bowl	
29	390402	Rod Assy., Connecting. Note: For Connecting Rod with .020" Undersize Crank- pin Bore, Order No. 390773.		138	222014	† Washer, Float Bowl	
				141	390684	Shaft and Lever, Choke	
				142	299740	† Nozzle, Carburetor	
				147	230932	† Screw, Nozzle.	
				186	67218	Connector, Fuel Pipe	
				187	391498	Pipe, Fuel	
				200	221760	Guide, Air	
				201	260971	Link, Governor.	
				209	261306	Spring, Governor.	
				216	261117	Link, Choke.	
				219	392718	Oil Slinger, Gov. Gear and Bracket Assembly.	
				222	390662	Plate, Gov. Control	
				225	231058	Crank, Governor (1/4" Dia.)	
				227	391733	Lever Assy., Governor For 1/4" Dia. Crank	

† Included in Carburetor Overhaul Kit - Part No. 299852.

BOLENS 8HP TRACTOR



CARBURETOR OVERHAUL KIT

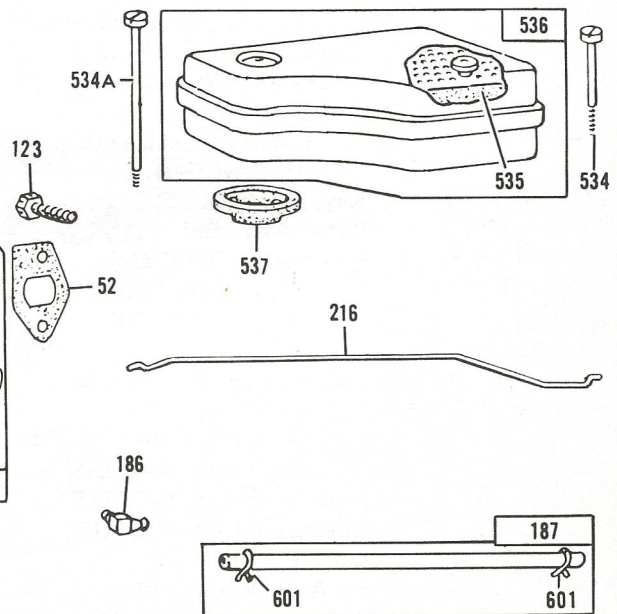
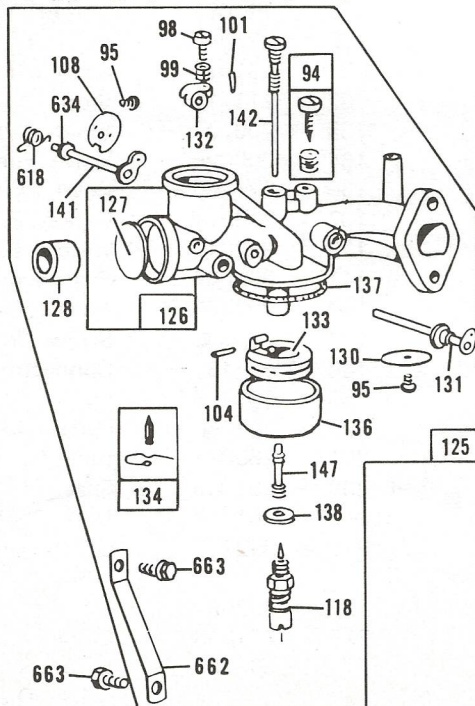


Figure 2A. BRIGGS & STRATTON ENGINE (MODEL 191707-1125-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
230	222450	Washer, Gov. Lever (1/4" I.D.)		423	93410	Screw, Sem	
232	260584	Spring, Governor Link		455	222561	Cup, Screen Mounting	
265	221535	Clamp, Casing.		468	222562	Screen, Flush Rotating	
302	261409	Locknut, Muffler and Elbow		482	93621	Screw, Sem	
303	91464	Elbow, Muffler, 90°, Street.		516	260374	Spring, Connector	
304	299392	Housing, Blower		534	93622	Screw, Air Cleaner.	
305	93158	Screw, Blower Housing Mounting Sem		534A	93323	Screw, Air Cleaner.	
306	222830	Shield, Cylinder		535	270528	Element, Air Cleaner	
307	93163	Screw, Cylinder Shield Mounting Sem		536	390379	Cleaner Assy., Air	
308	222636	Cover, Cylinder Head		537	270539	Gasket, Air Cleaner	
309		Motor, Starting (12 Volt. . . . See Chart for Replacement Parts for Starting Motors Page 4.		552	231055	Bushing, Gov. Crank (1/4" I.D.)	
332	92284	Nut, Flywheel.		562	92613	Bolt, Governor Lever	
333	298968	Screw, Armature.		592	231082	Nut, Hex, 10-24	
334	93381	Screw, Armature Mouting Sem		601	93053	Clamp, Fuel Pipe.	
337	293918	Plug, Spart (Resistor Type) . Note: Spark Plugs use Ignition Cable Terminal No. 221798.		614	93306	Cotter, Hair Pin.	
340	26018	Spring, Breaker Arm		615	93307	Retainer, E-Ring	
341	93381	Screw, Breaker Arm Mounting Sem		618	261116	Spring, Choke Return.	
342	65704	Plunger, Breaker Point		621	297472	Switch, Stop.	
345	222117	Cover, Breaker Point		634	270382	Washer, Choke Shaft	
346	93705	Screw, Sem		645	23513	Bushing, Plunger	
351	93735	Screw, Terminal		657	93496	Screw, Sem	
352	66068	Washer, Insulating		662	222027	Bracket, Carburetor	
353	92791	Washer, Lock, Shakeproof, (3)		663	93572	Screw	
354	90576	Nut, Hex, 8-32 (2)		726	392134	Gear, Ring (Aluminum) (Includes Mtg. Parts) For use only with Starter Motors with Plastic Drive Gear.	
355	66554	Collar, Insulating.		727	390233	Cover and Shield, Starter . .	
356	299500	Wire, Ground Note: 391255 Wire, Jumper used in addition to No. 299500 Ground Wire.		728	93523	Screw, Sem	
358	299577	Gasket Set		729	221907	Clip, Wire.	
363	19165	Puller, Flywheel		741	261195	Gear, Timing	
372	220477	Clamp, Condenser		757	211675	Link, Counterweight	
375	294628	Breaker Points and Condenser Set Note: 299061 Ignition Kit Includes: 294628 Point Set, 65704 Plunger, 61760 Key-Flywheel.		758	390172	Counterweight Assy.	
				759	298909	Pin, Counterweight	
				760	230940	Spacer, Counterweight	
				761	93874	Screw, Counterweight	
				763	391604	Electric Starter Kit, 12 Volt (Gear Drive)	
				851	221798	Terminal, Ignition Cable . . .	
				869	211661	Seat, Intake Valve (Standard).	
				870	211661	Seat, Exhaust Valve (Standard).	
				871	230655	Guide, Exhaust Valve.	
				877	393814	Diode and Conn. Assy. DC .	
				878	393422	Alt. Harness Assy. DC	
				887	391529	Stator Assy. Alt. DC	

BOLENS 8HP TRACTOR

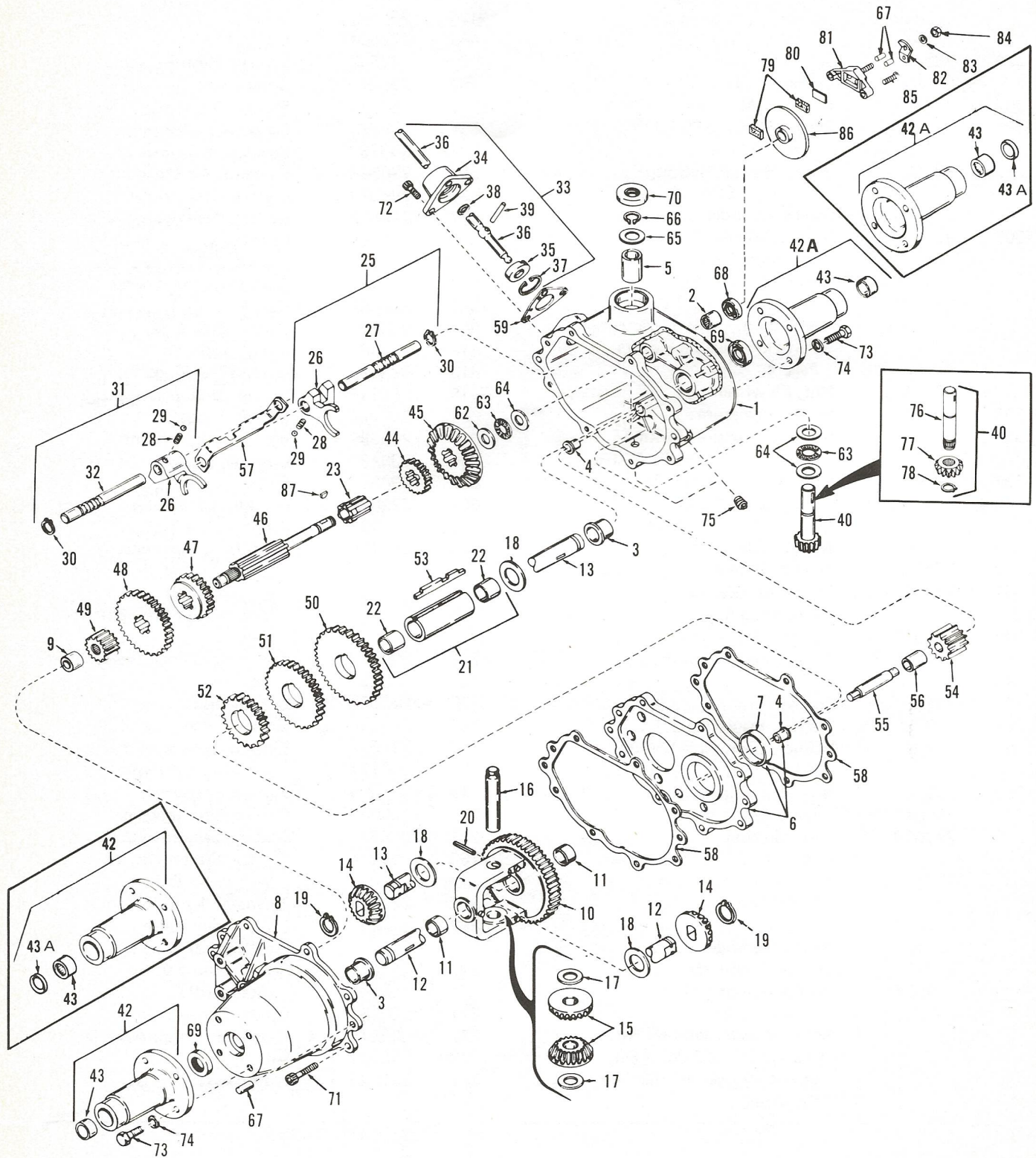
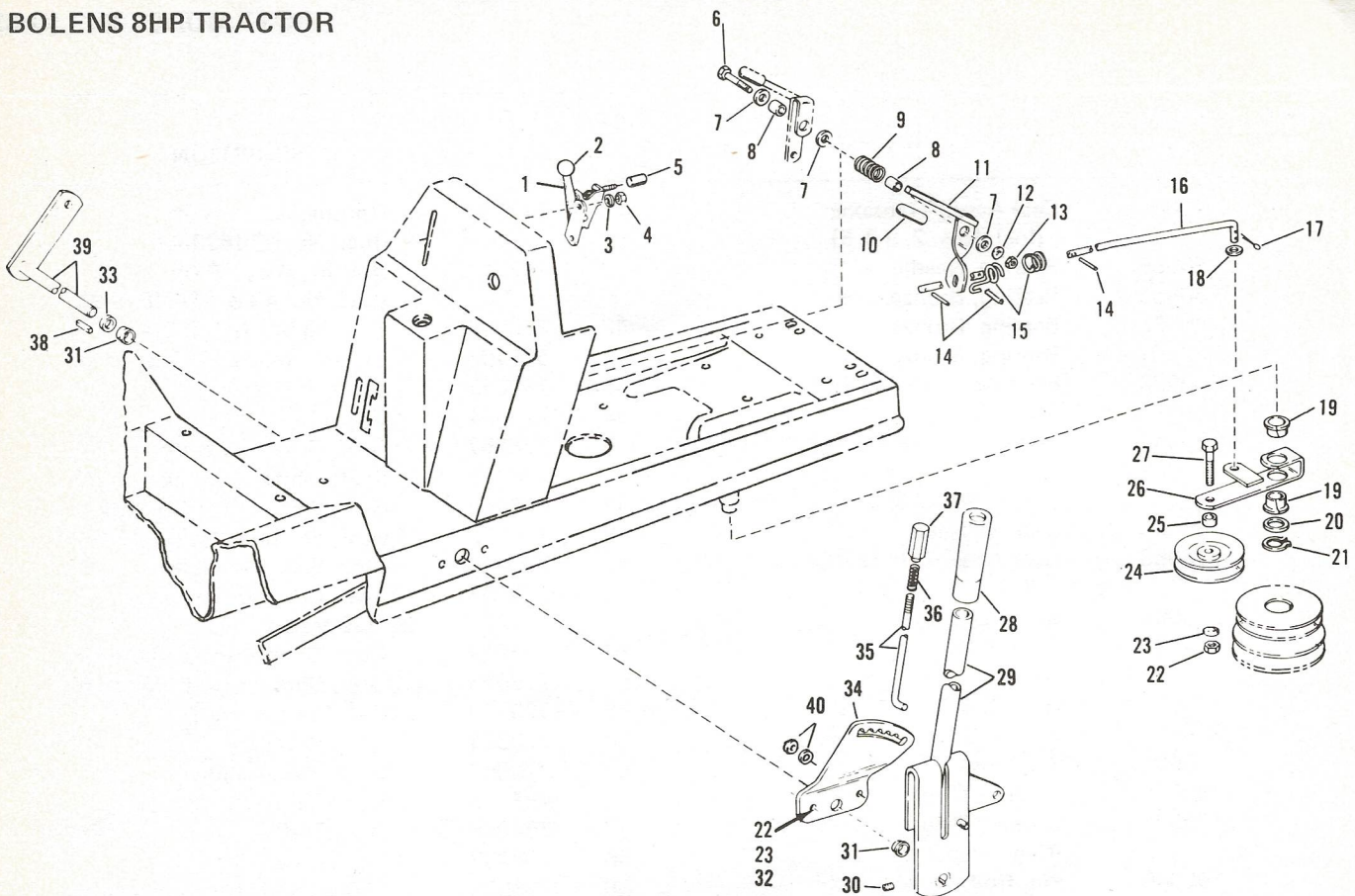


Figure 3 PEERLESS TRANSAXLE ASSEMBLY (MODEL 623A & 623B)

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	770063	Case Assy., Transaxle (Incl. Nos. 2, 3 & 5)	42A	782035	Housing Assy., Axle (Incl. No. 43)(623-A)
2	780086	Bearing, Needle		782049	Housing Assy., Axle (Incl. No. 43 & 43A)(623-B)
3	780059	Bearing, Bronze	43	780066	Bushing Bronze (623-A)
4	780060	Bearing, Bronze		530105	Bearing Needle (623-B)
5	780061	Bearing, Bronze	43A	788042	Seal, Oil (623-B)
6	786033	Plate Assy., Center (Incl. Nos. 4 & 7)	44	778024	Gear (16 teeth)
7	780062	Bearing, Bronze	45	778057	Gear, Bevel (33 teeth)
8	772042	Cover Assy., Transaxle (Incl. Nos. 3 & 9)	46	776138	Shaft, Shifter & Brake
9	780063	Bearing, Needle	47	778058	Gear, Shifting (2nd & 3rd)
10	778053	Gear Assy., Differential (Incl. No. 11)	48	778059	Gear, Shifting (1st & Rev.)
11	780064	Bearing, Bronze	49	778060	Gear, Spur (12 teeth)
12	774197	Axle, L.H.	50	778061	Gear, Countershaft drive (39 teeth)
13	774198	Axle, R.H.	51	778062	Gear, Countershaft (34 teeth)
14	778067	Gear, Bevel	52	778063	Gear, Countershaft (25 teeth)
15	778068	Pinion, Bevel	53	792034A	Key, Countershaft
16	786034	Pin, Drive	54	778064	Idler, Reverse
17	780065	Washer, Thrust	55	776057	Shaft, Reverse idler
18	780001	Washer, Thrust	56	786036	Spacer, Reverse idler
19	788038	Ring, Snap	57	784087	Stop, Shifter
20	792040	Pin, Roll	58	788033	Gasket, Case & Cover
21	786035	Sleeve Assy., Countershaft (Incl. No. 22)	59	788003	Gasket, Shift lever housing
22	780066	Bearing, Bronze	62	780073	Washer, Thrust
23	776090	Shaft, Idler	63	780071	Bushing, Thrust
25	784079	Rod Assy., Shift (1st & Rev) (Incl. Nos. 26 thru 30)	64	780072	Washer, Thrust
26	784004	Fork, Shift	65	780096	Washer, Thrust
27	784083	Rod, Shift	66	792035	Ring, Snap
28	792003	Spring	67	786026	Pin, Dowel
29	792004	Ball, Steel	68	788043	Seal, Oil
30	792017	Ring, Snap	69	788009	Seal, Oil
31	784084	Rod Assy., Shift (2nd & 3rd) (Incl. Nos. 26, 28, 29, 30 & 32)	70	788035	Seal, Oil
32	784085	Rod, Shift	71	792036	Screw, Socket hd. cap, 1/4-20 x 1-1/4
33	784191	Lever & Housing Assy., Shift (Incl. Nos. 34 thru 39)	72	792007	Screw, Socket hd. cap, 1/4-20 x 3/4
34	784088	Housing, Shift lever	73	792037	Screw, Hex hd., 5/16-18 x 1
35	784094	Keeper, Shift lever	74	792029	Lockwasher, 5/16
36	784192	Lever, Shift	75	792039	Plug, Pipe, 1/8
37	792016	Ring, Snap	76	776103	Shaft, Input
38	792001	Ring, Quad	77	778077	Pinion, Input
39	792049	Pin, Drive	78	788040	Ring, Retaining
40	776055B	Shaft & Gear Assy., Input (Incl. Nos. 76, 77 & 78)	79	790006	Pad, Brake
42	782031	Housing Assy., Axle (Incl. No. 43)(623-A)	80	790007	Plate, Brake pad
	782048	Housing Assy., Axle (Incl. No. 43 & 43A)(623-B)	81	790005	Holder, Brake pad
			82	790004	Lever, Brake
			83	792076	Washer, Flat
			84	792075	Nut, Lock
			85	792073	Screw, Hex hd. cap. 1/4-20 x 1-1/4 thread forming
			86	790009	Disk, Brake
			87	792045	Key, Woodruff No. 61

Order parts from your local Tecumseh, Lauson-Power Products Outlet.

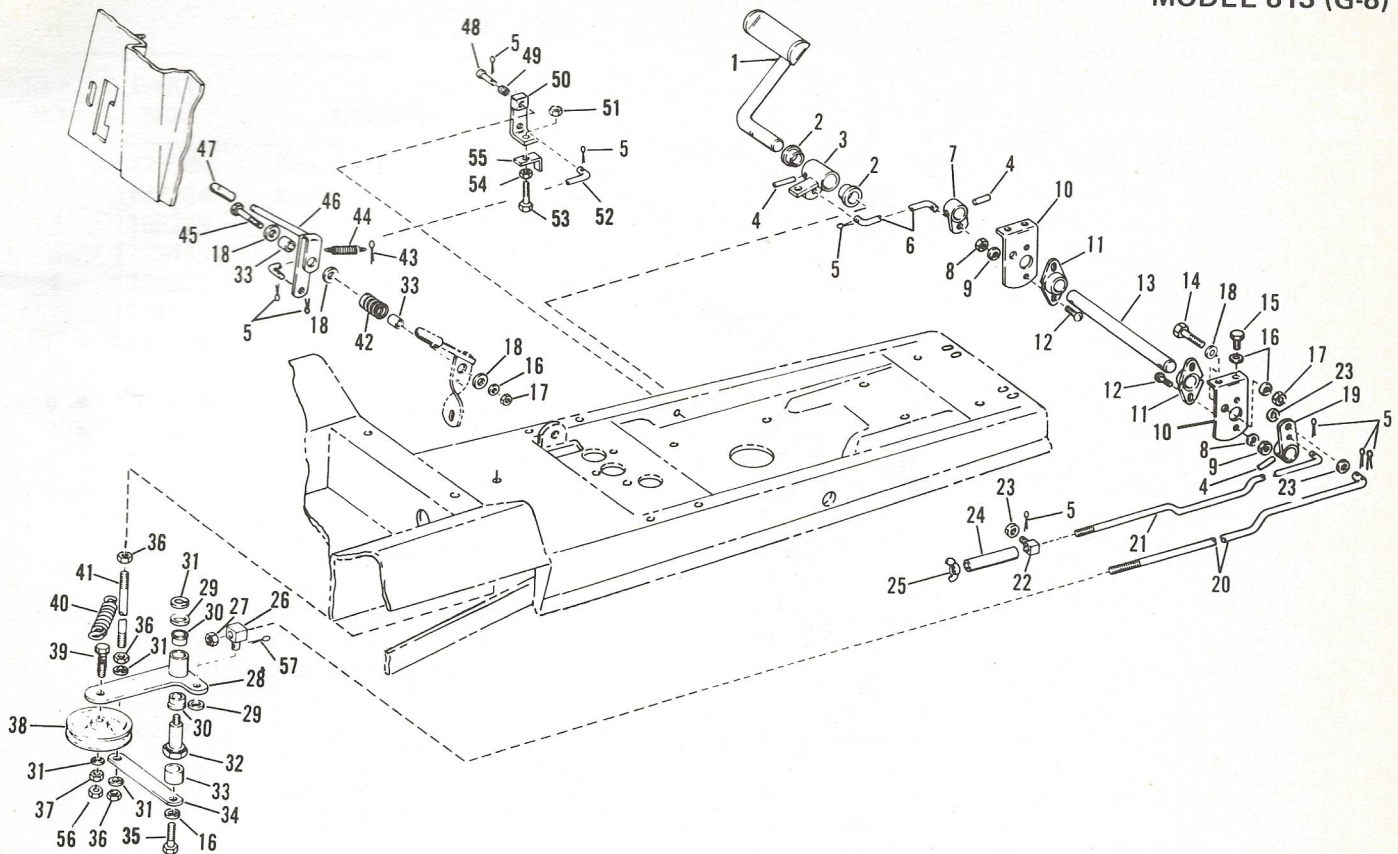
BOLENS 8HP TRACTOR



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1722479	Throttle Control Assembly		21	1185889	Retaining Ring	1
2	1725511	Knob Only (1)	1	22	● 1186231	Hex Nut, 3/8-16	3
	1724527	Knob Only (2)(3)(4)	1	23	● 1100243	Lockwasher, 3/8	3
3	● 1100240	Lockwasher, No. 10	2	24	1713803	Idler Pulley	1
4	● 1186208	Hex Nut, No. 10-32	2	25	1716896	Spacer (1)(2)	1
5	1722738	Protector Tube	1		1718651	Spacer (3)(4)	1
6	● 1111608	Capscrew, 5/16-18 x 2-1/2.	1	26	1723435	PTO Arm Assembly	1
7	● 1100255	Flat Washer, 5/16	3	27	● 1100048	Capscrew, 3/8-16 x 2	1
8	1717176	Spacer	2	28	1719267	Handle Grip	1
9	1723428	Compression Spring	1	29	1722295	Lift Lever Assembly	1
10	1715685	Handle Grip	1	30	1185919	Set Screw, 5/16-18 x 3/8	2
11	1726044	PTO Lever	1	31	1714299	Nylon Bushing	2
12	● 1100242	Lockwasher, 5/16	1	32	● 1100046	Capscrew, 3/8-16 x 1	2
13	● 1186230	Hex Nut, 5/16-18	1	33	1722957	Spacer	1
14	1177625	Roll Pin, 1/8 x 3/4	3	34	1720136	Quadrant	1
15	1723429	Extension Spring	1	35	1722298	Lift Lever Rod	1
16	1723430	PTO Rod	1	36	1713075	Spring	1
17	● 1100346	Cotter Pin, 3/32 x 3/4	2	37	1714644	Plunger	1
18	● 1107383	Flat Washer, 3/8	2	38	1104333	Square Key, 3/16 x 1	1
19	1722364	Nyliner	2	39	1723432	Lift Shaft	1
20	● 1709401	Flat Washer, 7/8	1	40	● 1107383	Flat Washer, 3/8 (4)	2

- (1) Serial Numbers 0400101 thru 0499999
- (2) Serial Numbers 0500101 thru 0599999
- (3) Serial Numbers 0600101 thru 0699999
- (4) Serial Numbers 0700101 and up
- Common Hardware - Purchase Locally (Grade 5 where applicable.)

Figure 4 HAND CONTROLS AND LIFT ASSEMBLY



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1722224	Clutch Pedal	1	30	1715538	Flanged Nyloner	2
2	1714299	Nylon Bushing.	2	31	● 1100243	Lockwasher, 3/8	4
3	1722199	Link Assembly	1	32	1722243	Idler Bolt.	1
4	1120210	Roll Pin	3	33	1717176	Spacer	3
5	● 1185147	Cotter Pin, 3/32 x 5/8	10	34	1722237	Belt Guide	1
6	1722249	Clutch Rod, L.H	1	35	● 1100808	Capscrew, 5/16-18 x 1-1/4.	1
7	1722191	Clutch Link, L.H	1	36	● 1186231	Hex Nut, 3/8-16.	3
8	● 1185460	Lock Nut, No. 10-24	4	37	● 1186231	Hex Nut, 3/8-16.	1
9	● 1100240	Lockwasher, No. 10	4	38	1715340	Idler Pulley	1
10	1722620	Support	2	39	● 1100049	Screw, 3/8-16 x 2-1/4	1
11	1715939	Pillow Block	2	40	1723041	Extension Spring	1
12	● 1100115	Screw, No. 10-24 x 1/2.	4	41	1722247	Stud	1
13	1722251	Shaft	1	42	1723428	Compression Spring.	1
14	● 1100808	Capscrew, 5/16-18 x 1-1/4	1	43	● 1100350	Cotter Pin, 1/8 x 1	1
15	● 1103195	Capscrew, 5/16-18 x 5/8.	4	44	1720928	Extension Spring, 2"	1
16	● 1100242	Lockwasher, 5/16.	7	45	● 1111608	Capscrew, 5/16-18 x 2-1/2.	1
17	● 1186230	Hex Nut, 5/16-18.	2	46	1722221	Lock Out Arm.	1
18	● 1100255	Flat Washer, 5/16.	4	47	1725545	Handle Grip	1
19	1722189	Clutch Link, R.H	1	48	1722497	Clevis Pin.	1
20	1722248	Clutch Rod, R.H	1	49	1722496	Tolerance Ring	1
21	1724256	Brake Rod	1	50	1722217	Arm.	1
22	1724627	Swivel	1	51	● 1110106	Lock Nut, 1/4-20	1
23	● 1107382	Flat Washer, 5/16	3	52	1722256	Lock Out Rod.	1
24	1722346	Tube	1	53	● 1114474	Fill. Hd. Screw, 1/4-20 x 1-1/2	1
25	1806192	Wing Nut, 5/16-18	1	54	● 1186229	Hex Nut, 1/4-20.	1
26	1722250	Swivel	1	55	1722265	Stop	1
27	● 1110107	Lock Nut, 5/16-18	1	56	● 1110108	Locknut (2)	1
28	1722183	Idler Arm	1	57	● 1100346	Cotter Pin, 3/32 x 3/4	1
29	● 1107383	Flat Washer, 3/8.	2				

● Common Hardware - Purchase Locally
(Grade 5 where applicable.)

(1) Serial Numbers 0400101 thru 0699999
(2) Serial Numbers 0700101 and up

Figure 5 BRAKE AND CLUTCH CONTROL ASSEMBLIES

BOLENS 8HP TRACTOR

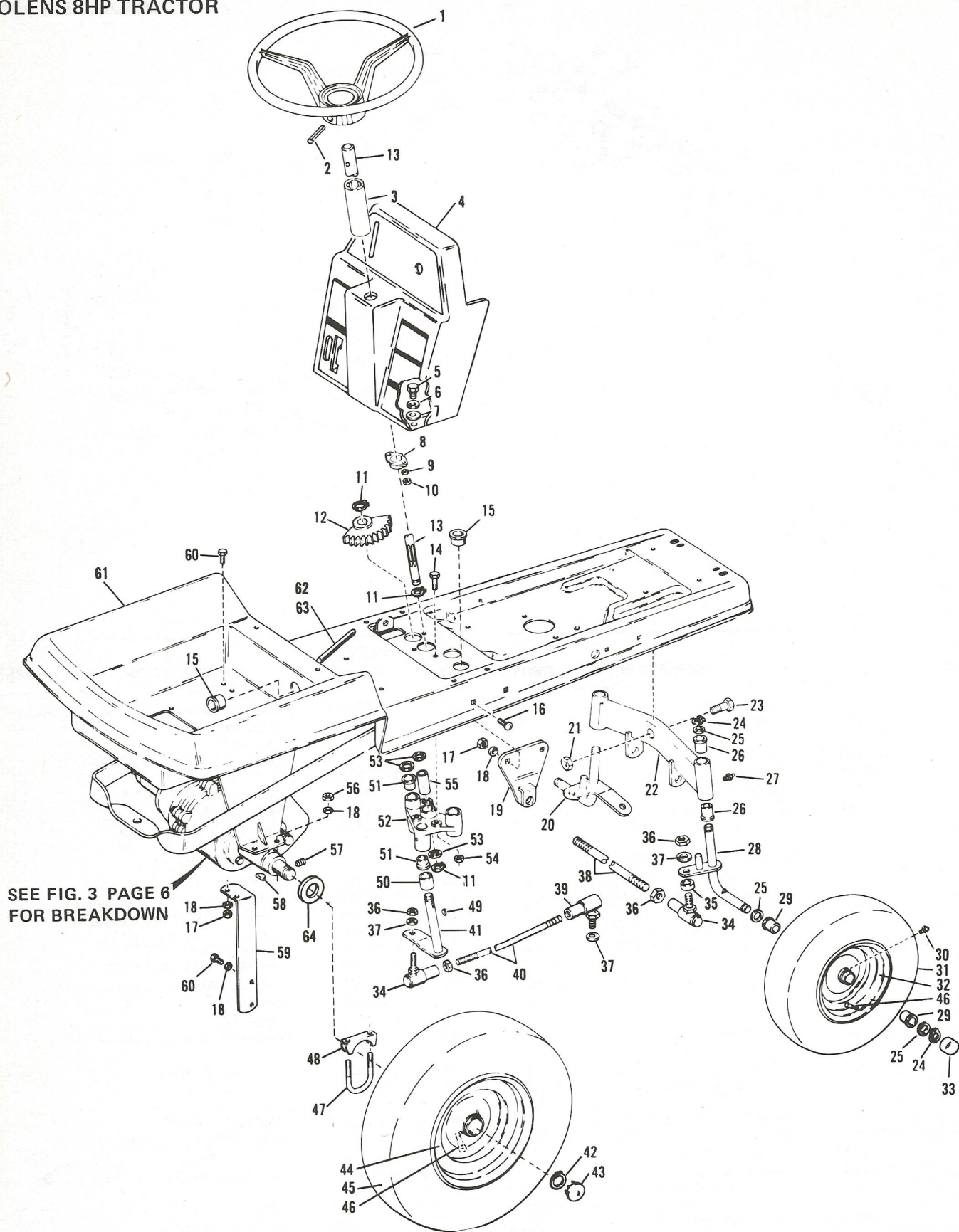


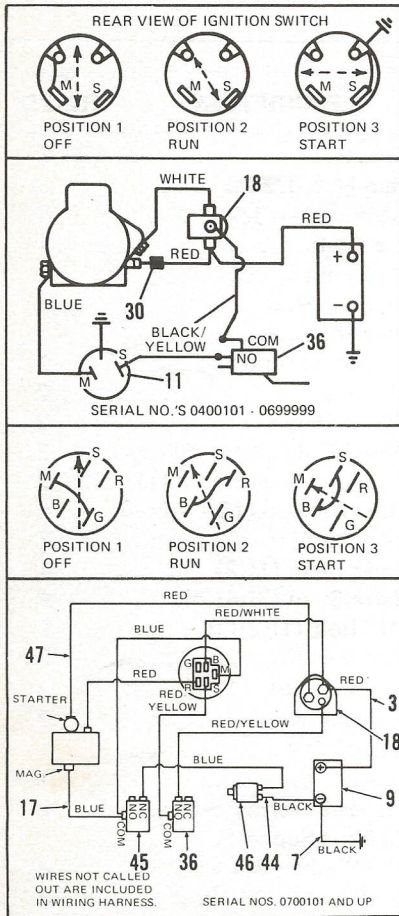
Figure 6 FRAME, STEERING AND AXLE ASSEMBLIES

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1723089	Steering Wheel (1)	1	35	1715387	Spacer	2
	1727284	Steering Wheel (2)(3)(4)(5)	1	36	● 1186214	Jam Nut, 1/2-20	7
2	1185279	Roll Pin, 1/4 x 2-1/4	1	37	● 1100245	Lockwasher, 1/2	4
3	1723453	Tube	1	38	1713385	Tie Rod	1
4	1725631	Instrument Panel (1)	1	39	1716180	Ball Joint	1
	1727398	Instrument Panel (2)(3)(4)(5)	1	40	1723124	Steering Rod	1
5	● 1111599	Capscrew, 1/4-20 x 5/8 H.T.	4	41	1722186	Steering Arm	1
6	● 1100241	Lockwasher, 1/4	4	42	1113527	Retaining Ring	2
7	● 1107381	Flat Washer, 1/4	4	43	1722362	Hub Cap	2
8	1716453	Pillow Block	1	44	1722480	Wheel Only (1)(2)	2
9	● 1100240	Lockwasher, No. 10	2		1723082	Wheel Only (3)(4)(5)	2
10	● 1186208	Hex Nut, No. 10-32	2	45	1722481	Tire, Tubeless, 6.50 x 8 (1)(2)	2
11	1185649	Retaining Ring	3		1732467	Tire, Tubeless, 16 x 7.50-8 (3)(4)(5)	2
12	1722270	Steering Gear	1	46	1715885	Valve Stem (1)(2)	4
13	1723452	Steering Shaft	1		1718086	Valve Stem (3)(4)(5)	4
14	● 1100045	Capscrew, 5/16-18 x 1 (5)	3	47	1719695	"U" Bolt (1)(2)(3)	2
15	1722431	Snap Bushing (1)	2		1723131	"U" Bolt (4)	2
	1724882	Snap Bushing (2)(3)(4)(5)	2		1736160	"U" Bolt (5)	2
16	● 1186098	Carriage Bolt, 5/16-18 x 3/4	4	48	1719694	Saddle Clamp	2
17	● 1186230	Hex Nut, 5/16-18	6	49	1185885	Woodruff Key	1
18	● 1100242	Lockwasher, 5/16	12	50	1722278	Spacer	1
19	1722407	Rear Hitch	2	51	1185035	Flanged Bearing	2
20	1723100	Spindle, L.H.	1	52	1722274	Steering Support	1
21	● 1110112	Lock Nut, 5/8-11	1	53	● 1700821	Flat Washer, 3/4	3
22	1723048	Axle Assembly (Incl. Ref. Nos. 26 and 27)	1	54	● 1110107	Lock Nut, 5/16-18	3
23	● 1185921	Capscrew, 5/8-11 x 2	1	55	1711198	Sleeve Bearing	1
24	1185649	Retaining Ring	4	56	● 1186211	Hex Nut, 5/16-24 (1)(2)(3)(4)	4
25	● 1700821	Flat Washer	6		1186230	Hex Nut, 5/16-18 (5)	4
26	● 1185386	Flanged Bushing	4	57	● 1185919	Set Screw, Sq. Hd. 5/16-18 x 1/2 (1)(2)(3)	2
27	1185976	Grease Fitting	2		● 1733185	Set Screw, Sq. Hd. 5/16-18 x 5/8 (4)(5)	4
28	1723099	Spindle, R.H.	1	58	1100277	Woodruff Key, 3/16 x 7/8	2
29	1720327	Bushing	4	59	1722240	Support (1)(2)(3)	1
30	1718088	Grease Fitting (1)(2)	2		1730547	Support (4)(5)	1
	1185976	Grease Fitting (3)(4)(5)	2	60	1103195	Capscrew, 5/16-18 x 5/8	4
31	1717594	Tire, 13 x 5.00-6 (1)(2)	2	61	1723050	Main Frame (1)(2)(3)	1
	1732469	Tire, 13 x 5.00-6 (3)(4)(5)	2		1730546	Main Frame (4)(5)	1
32	1721393	Wheel Assy. (Incl. Ref. No. 29)	2	62	1718534	Handle Grip	1
33	1715899	Hub Cap	2	63	1724628	Shift Lever (2)(4)(5)	1
34	1713361	Ball Joint	3	64	1707546	Thrust Washer	As Req'd.

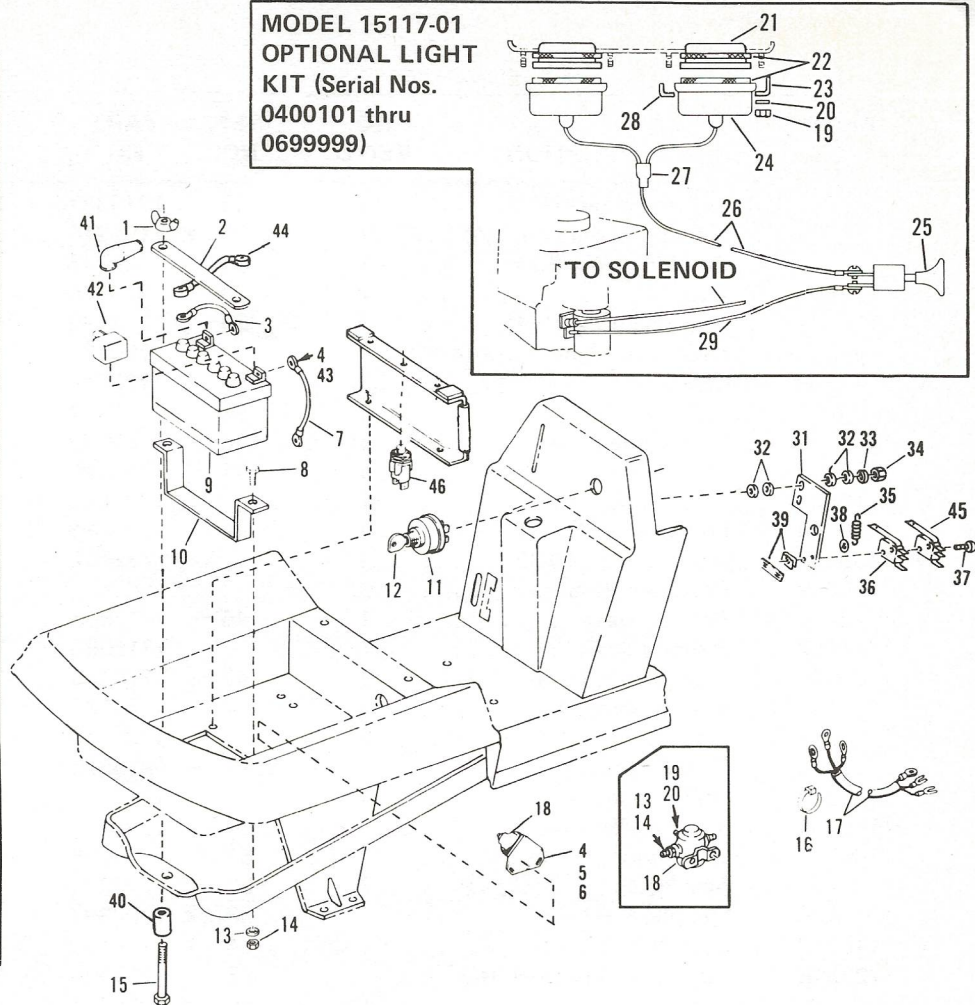
- (1) Serial Numbers 0400101 thru 0499999
- (2) Serial Numbers 0500101 thru 0599999
- (3) Serial Numbers 0600101 thru 0699999
- (4) Serial Numbers 0700101 thru 0899999
- (5) Serial Numbers 0900101 and up

● Common Hardware - Purchase Locally (Grade 5 where applicable.)

BOLENS 8HP TRACTOR



**MODEL 15117-01
OPTIONAL LIGHT
KIT (Serial Nos.
0400101 thru
0699999)**



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1709652	Wing Nut, 1/4-20	2	*23	1722519	Clip (1)	2
2	1714619	Battery Clamp	1	*24	1820221	Reflector Assembly (1)	2
3	1722465	Lead (Battery to Solenoid)	1	*25	1717256	Light Switch (1)	1
4	1111599	Capscrew, 1/4 x 5/8 H.T.	6	*26	1723086	Lead Assembly (1)	1
5	1100241	Lockwasher, 1/4	4	*27	1720226	Connector (1)	1
6	1186229	Hex Nut, 1/4-20	4	*28	1720219	Hold-Down Clip (1)	2
7	1720157	Lead (Battery to Ground) (1)	1	*29	1723087	Lead Assembly (1)	1
	1722081	Lead (Battery to Ground) (2)	1	30	1721038	Connector (1)	1
8	1103195	Capscrew, 5/16-18 x 5/8	2	31	1725633	Mounting Plate	1
9	1722430	Battery, 12V-32 Amp	1	32	1103959	Flat Washer, No. 10	6
10	1722423	Battery Support	1	33	1100240	Lockwasher, No. 10	2
11	1717255	Ignition Switch (Incl. Ref. No. 12) (1)	1	34	1186208	Hex Nut, No. 10-32	2
	1734196	Ignition Switch (Incl. Ref. No. 12) (2)(3)	1	35	1725634	Extension Spring	1
12	1718266	Ignition Key Only	1	36	1725550	Interlock Switch, Brake	1
13	1100242	Lockwasher, 5/16	4	37	1186273	Rd. Hd. Machine Screw, No. 4-40 x 5/8 (1)	2
14	1186230	Hex Nut, 5/16-18	4		1729478	Rd. Hd. Machine Screw, No. 4-40 x 1-1/4 (2)(3)	2
15	1101603	Capscrew, 1/4-20 x 3-1/2	2	38	1185170	Retainer	1
16	1805345	Tie	1	39	1186274	Type "U" Tinnerman Nut (1)	2
17	1725632	Wiring Harness (1)	1		1727777	Speed Nut (2)(3)	1
	1732580	Wiring Harness (2)	1	40	1714721	Spacer (2)(3)	2
	1737425	Wiring Harness (3)	1	41	1715012	Boot (2)(3)	1
18	1709173	Solenoid (1)	1	42	1734364	Boot (2)(3)	1
	1729547	Solenoid (2)	1	43	1110106	Locknut, 1/4-20 (2)(3)	2
*19	1186208	Hex Nut, No. 10-32 (1)	5	44	1734613	Lead Assembly (2)(3)	1
*20	1100240	Lockwasher, No. 10 (1)	5	45	1732436	Interlock Switch (2)(3)	1
*21	1720220	Lens (1)	2	46	1733925	Switch (2)(3)	1
*22	1720223	Gasket (1)	4	47	1732581	Lead Assembly (2)(3)	1

• Common Hardware - Purchase Locally (Grade 5 where applicable.)

*Model 15117-01 Optional Light Kit (1)

(1) Serial Numbers 0400101 thru 0699999

(2) Serial Numbers 0700101 thru 0899999

(3) Serial Numbers 0900101 and up

Figure 7 ELECTRICAL SYSTEM