

The logo features a solid black circle to the left of the word "Bolens" in a bold, sans-serif font. A registered trademark symbol (®) is positioned at the top right of the word.

**Tractor
16HP**

Model 1659 (H16XT)

Serial Number
0100101 thru
0199999

Parts List

This is a detailed exploded view diagram of a mechanical assembly, likely a piece of equipment with a control panel and a base. The diagram shows the following components and their assembly sequence:

- Top Panel (1):** The main upper housing.
- Control Panel (2):** Features a display or indicator area.
- Base (3):** The main structural base of the unit.
- Control Panel (4):** A secondary panel with various controls and indicators.
- Base (5):** A lower base component.
- Control Panel (6):** A panel with a single control knob.
- Base (7):** A base component with a single control knob.
- Control Panel (8):** A panel with a single control knob.
- Base (9):** A base component with a single control knob.
- Control Panel (10):** A panel with a single control knob.
- Base (11):** A base component with a single control knob.
- Control Panel (12):** A panel with a single control knob.
- Base (13):** A base component with a single control knob.
- Control Panel (14):** A panel with a single control knob.
- Base (15):** A base component with a single control knob.
- Control Panel (16):** A panel with a single control knob.
- Base (17):** A base component with a single control knob.
- Control Panel (18):** A panel with a single control knob.
- Base (19):** A base component with a single control knob.
- Control Panel (20):** A panel with a single control knob.
- Base (21):** A base component with a single control knob.
- Control Panel (22):** A panel with a single control knob.
- Base (23):** A base component with a single control knob.
- Control Panel (24):** A panel with a single control knob.
- Base (25):** A base component with a single control knob.
- Control Panel (26):** A panel with a single control knob.
- Base (27):** A base component with a single control knob.
- Control Panel (28):** A panel with a single control knob.
- Base (29):** A base component with a single control knob.
- Control Panel (30):** A panel with a single control knob.
- Base (31):** A base component with a single control knob.
- Control Panel (32):** A panel with a single control knob.
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- Control Panel (34):** A panel with a single control knob.
- Base (35):** A base component with a single control knob.
- Control Panel (36):** A panel with a single control knob.
- Base (37):** A base component with a single control knob.
- Control Panel (38):** A panel with a single control knob.
- Base (39):** A base component with a single control knob.
- Control Panel (40):** A panel with a single control knob.
- Base (41):** A base component with a single control knob.
- Control Panel (42):** A panel with a single control knob.
- Base (43):** A base component with a single control knob.
- Control Panel (44):** A panel with a single control knob.
- Base (45):** A base component with a single control knob.
- Control Panel (46):** A panel with a single control knob.
- Base (47):** A base component with a single control knob.
- Control Panel (48):** A panel with a single control knob.
- Base (49):** A base component with a single control knob.
- Control Panel (50):** A panel with a single control knob.
- Base (51):** A base component with a single control knob.
- Control Panel (52):** A panel with a single control knob.
- Base (53):** A base component with a single control knob.
- Control Panel (54):** A panel with a single control knob.
- Base (55):** A base component with a single control knob.
- Control Panel (56):** A panel with a single control knob.
- Base (57):** A base component with a single control knob.
- Control Panel (58):** A panel with a single control knob.
- Base (59):** A base component with a single control knob.

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1733027	Seat	1	33	1736196	L.H. Identification Decal . .	1
2	1734115	Seat Support	1	34	1736197	R.H. Identification Decal . .	1
3 ●	1100256	Flat Washer, 3/8	4	35 ●	1107382	Flat Washer 5/16.	10
4	1734269	Adjusting Knob.	2	36	1742100	Grille Screen.	1
5	1733960	Spring	1	37	1736399	Flange Locknut.	4
6	1735125	Nut & Washer	1	38 ●	1100799	Hex Hd. Screw 5/16-18 x 1-1/2.	4
7 ●	1186229	Nut 1/4-20.	1	39	1742090	Side Panel R.H.	1
8 ●	1100241	Flat Washer 1/4.	1		1742091	Side Panel, L.H.	1
9	1734515	Actuator Bracket.	1	40 ●	1100254	Flat Washer 1/4.	6
10 ●	1110107	Locknut 5/16-18.	4	41 ●	1186393	Flange Locknut 3/8-16. . . .	6
11	1185418	Flat Washer	4	42	1742092	Hood Stop.	1
12 ●	1100242	Lockwasher, 5/16	2	43 ●	1186345	Flange Lock Screw 3/8-16 x 3/4.	6
13 ●	1100362	Cotter Pin 3/32 x 1/2.	1	44	1736340	Pivot.	1
14	1724492	Flange Screw Thd. Form 5/16-18 x 1/2	6	45	1728072	Push Nut	1
15	1735265	Swivel Block.	2	46	1741662	Fender Decal L.H.	1
16	1726212	Acoustical Foam	2	47	1728772	Pop Rivet 3/16 x 1/2	2
17 ●	1186067	Carriage Bolt 1/4-20 x 1/2. .	1	48	1727126	Clip	2
18 ●	1186130	Carriage Botl 3/8-16 x 1-1/4	1	49	1727127	Latch	2
19	1734691	Fender Ass'y	1	50	1739212	Tunnel Ass'y	1
20	1736566	Foot Rest R.H.	1	51	1739688	Thread Forming Screw 5/16-18 x 5/8.	2
21	1724492	Flange, Lock Screw 1/4-20 x 1/2.	2	52	1740977	Instruction Decal.	1
22	1742094	Rear Support Panel	1	53	1741663	Fender Decal R.H.	1
23	1736201	Hood & Grille.	1	54	1736567	Foot Rest Pad.	2
24	1736202	Grille Decal	1	55	1736565	Foot Rest L.H.	1
25	1739210	Hex Hd. Tapping Screw 5/16-18 x 1-1/4.	2	56	1725615	Reflector.	2
26 ●	1186391	Flange Locknut 5/16-18. . . .	6	57	1726932	Trim.	1
27	1736341	Pivot Rod	1	58	1736371	Instrument Panel Decal. . . .	1
28	1742093	Panel Support Bracket	1	59	1736369	Instruction Decal.	1
29 ●	1110685	Rd Hd Screw 1/4-20 x 5/8 . .	4	NI	1735223	Spray Paint (White)	
30	1185456	Speed Nut	4	NI	1735222	Spray Paint (Black)	
31	1742304	Trim.	1	NI	1736796	Spray Paint (Dark Green)	
32 ●	1186329	Flange Lock Screw 5/16-18 x 3/4	2				

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

BOLENS 16 HP TRACTOR

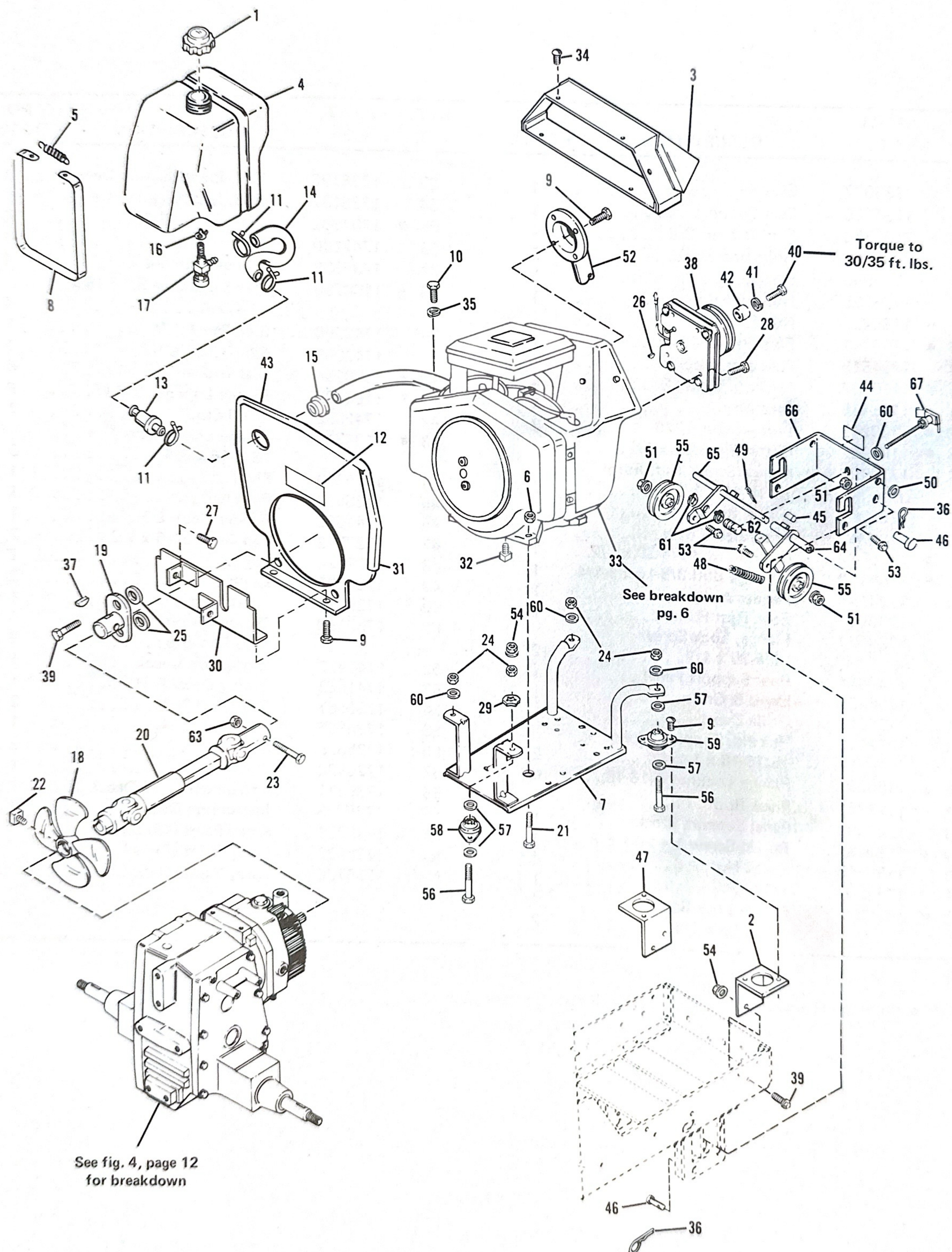
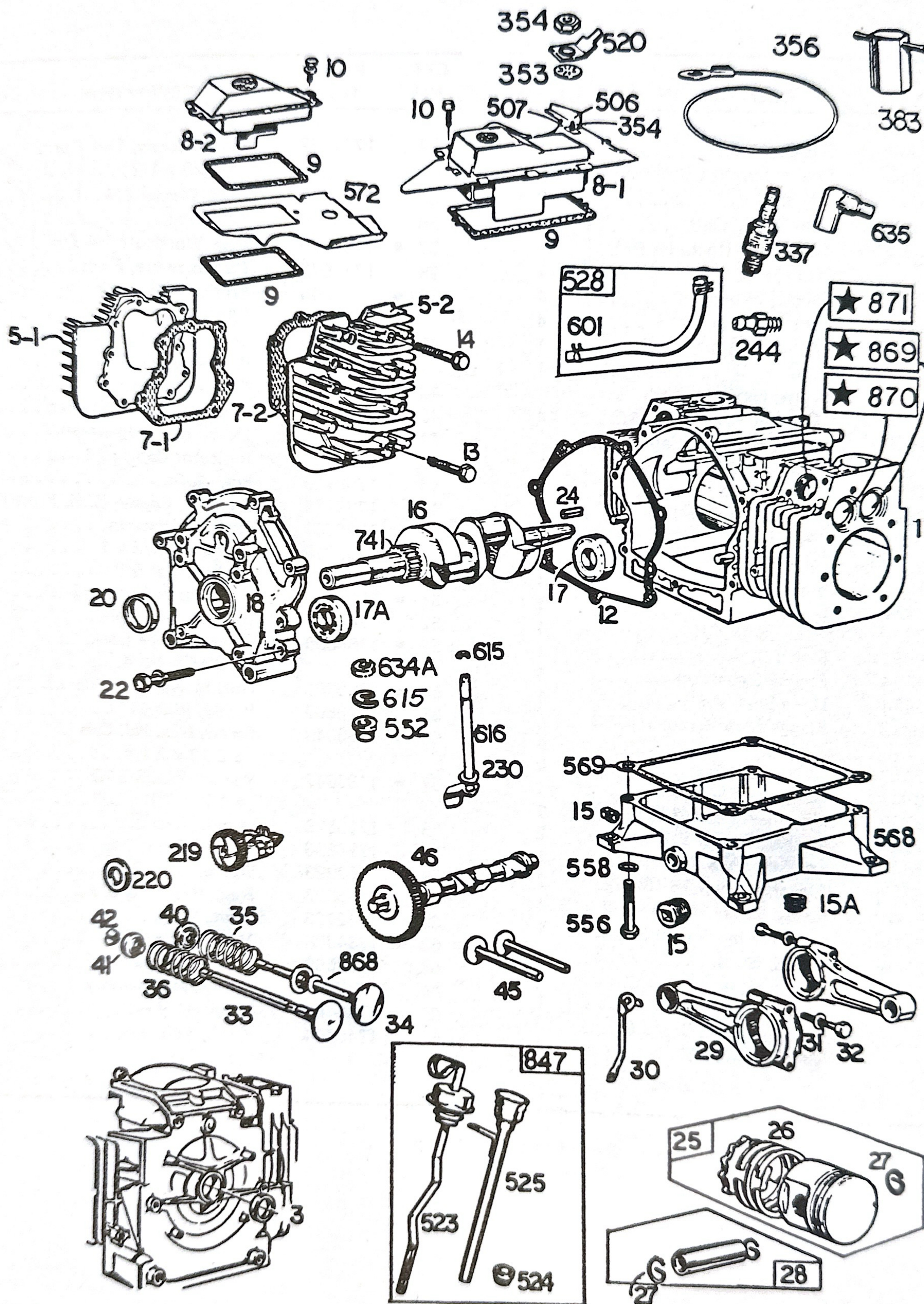


Figure 2. ENGINE AND DRIVE ASSEMBLY

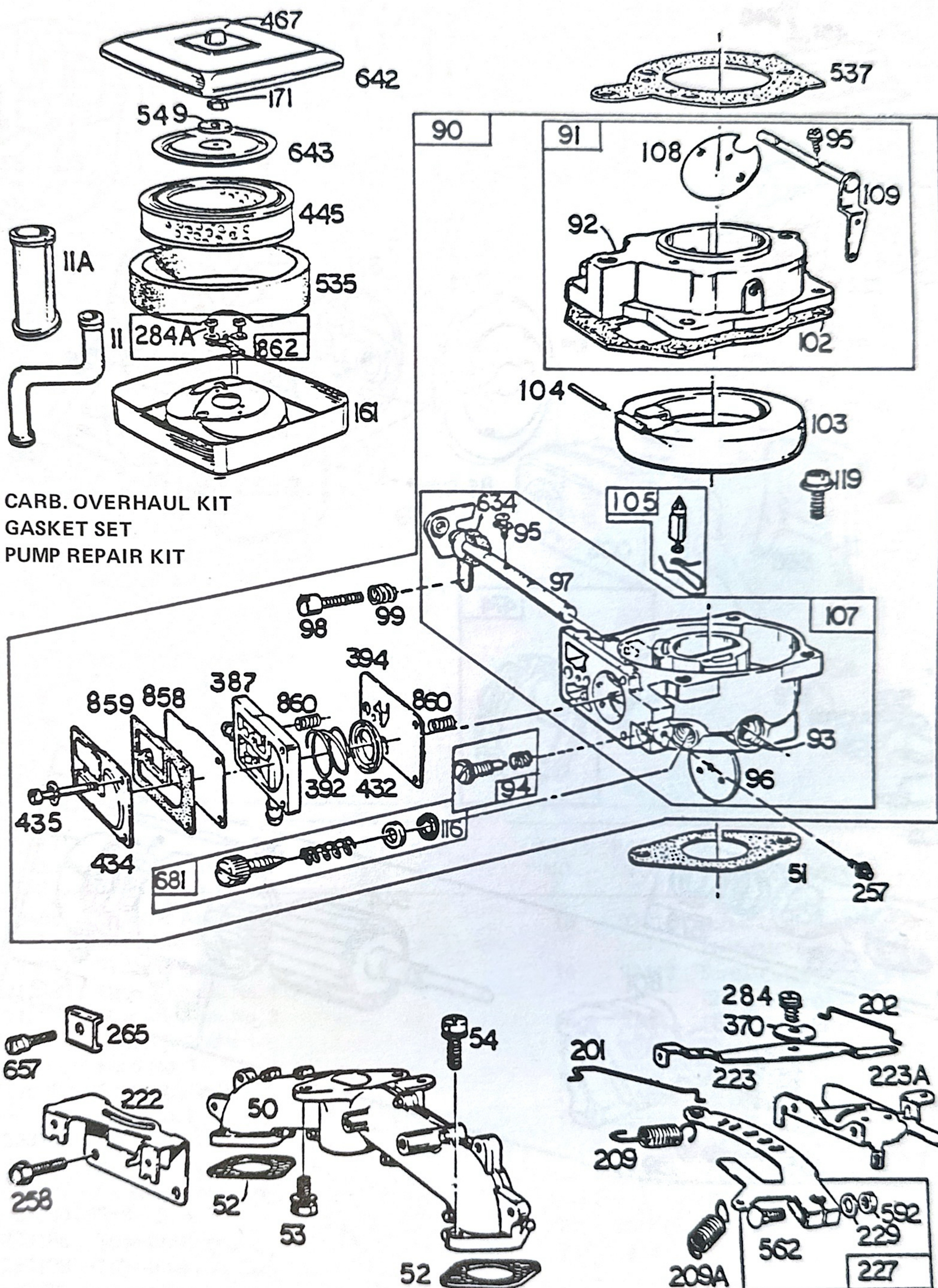
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1725868	Gas Cap.	1	34	1724492	Flange Screw, Thd. Form 1/4-20 x 1/2	6
2	1741653	Engine Support (RH front- LH rear)	2	35	1100241	Lock Washer 1/4	1
3	1741664	Heat Shield Defl.	1	36	1723478	Hitch Pin	4
4	1735065	Tank, Fuel (Includes Ref. No. 1)	1	37	● 1100276	Key, Woodruff 1/4-7/8	1
5	1806648	Spring, Extension	1	38	1741572	Clutch/Brake, Elect	1
6	● 1186391	Flange Nut, 5/16-18.	4	39	● 1186345	Screw, Whiz Lock 3/8-16 x 3/4	10
7	1741667	Engine Support	1	40	● 1100009	Screw, Hex. Hd., 3/8-24 x 1	1
8	1727918	Strap.	1	41	● 1100243	Washer, Lock 3/8	1
9	● 1185712	Screw, Hex. Hd. Thd. Cutting No. 10-24 x 1/2	14	42	1734790	Clutch Retainer.	1
10	● 1111599	Screw, Hex. Hd. Cap 1/4-20 x 5/8.	1	43	1742109	Top Heat Shield Gasket	1
11	● 1718185	Clamp, Hose.	3	44	1736368	Decal, Belt Adjustment.	1
12	1736298	Hot Surface Decal	1	45	1734935	Indicator Cap	2
13	1727491	Filter Fuel	1	46	1708125	Pin, Clevis	4
14	1724708	Line, Fuel	1	47	1733134	Support, Engine (L.H. Front)	1
15	1729587	Bushing, Snap.	1	48	1726661	Spring Extension.	1
16	● 1723474	Clamp, Hose.	1	49	● 1100350	Cotter Pin 1/8 x 1	2
17	1718029	Valve, Shut Off.	1	50	● 1107386	Washer, Flat 5/8	2
18	1726587	Fan.	1	51	● 1186393	Nut, Flange Lock 3/8-16.	3
19	1741654	Engine Extension	1	52	1741964	Exhaust Assembly	1
20	1741574	Drive Shaft Ass'y.	1	53	● 1186350	Screw, Flange Lock 3/8-16 x 1-3/4.	3
21	● 1186332	Flange Lock Screw 5/16-18 x 1-1/4	4	54	● 1186393	Nut, Flange Lock 3/8-16.	7
22	1737419	Sq. Hd. Set Screw	2	55	1726660	Pulley, Idler	2
23	● 1100807	Hex Screw 1/4-20 x 2.	1	56	● 1100049	Screw, Hex. Hd. Cap 3/8-16 x 2-1/4.	4
24	● 1733398	Nut, Hex. Lock, 3/8-16	4	57	● 1186047	Washer, Flat 3/8 ID x 1-3/8 OD.	8
25	● 1107383	Washer, Flat, 3/8.	2	58	1725856	Mount, Rear	2
26	1108842	Sq. Key 1/4 x 3/4	1	59	1724896	Mount, Front	2
27	● 1186327	Flange screw 5/16-18x1/2.	2	60	● 1107383	Washer, Flat 3/8	4
28	1185798	Flange Screw 3/8-16 x 1/2	4	61	1113527	Ring, Retaining 3/4	2
29	1185715	Lock Washer (Pyramidal) 3/8	1	62	1742723	Pivot.	1
30	1742344	Shield, Grass.	1	63	● 1734398	Nut, Lock 1/4-20	1
31	1741669	Shield, Heat	1	64	1738569	Idler Arm Assembly.	1
32	1105620	Sq. Plug 1/4-28 NPT	1	65	1742725	Idler Arm Assembly.	1
33	*	Engine, 16 HP, Briggs & Stratton 402437.	1	66	1736481	Support, Idler.	1
				67	1740794	Knob, Adjusting	1

● Common Hardware - Purchase Locally (Grade 5 where applicable)
 *Order Parts From Your Local Briggs and Stratton Outlet

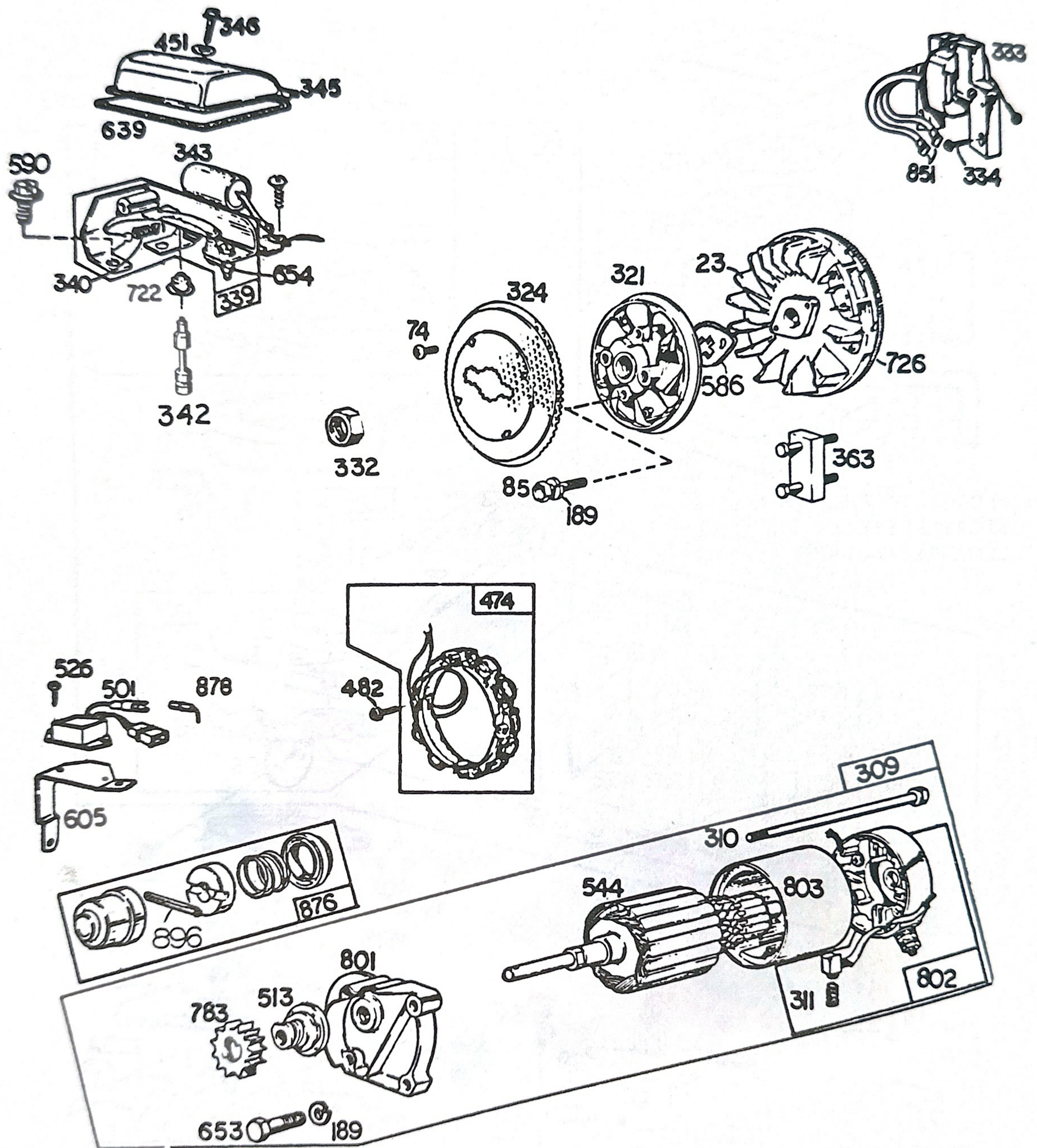


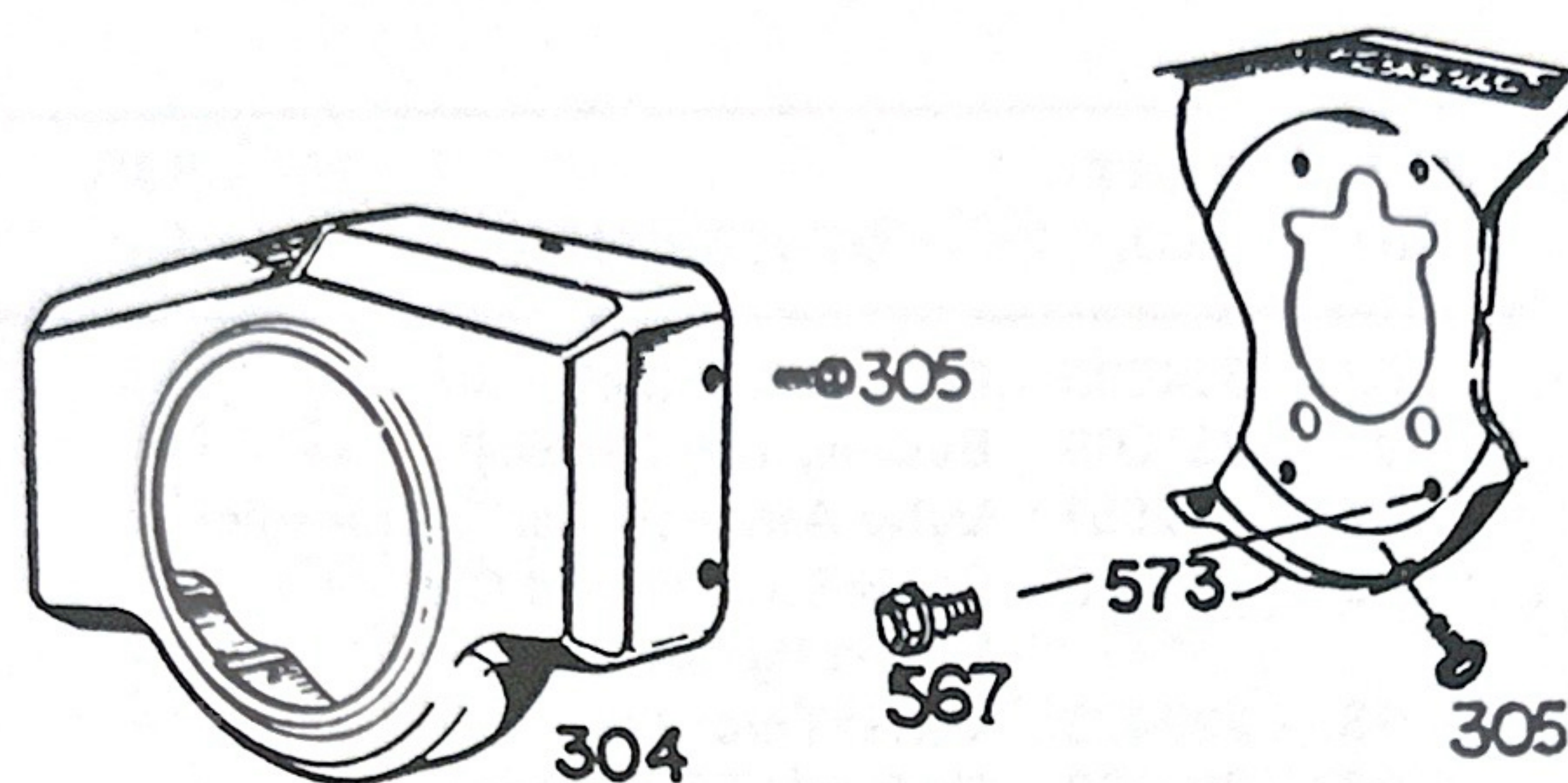
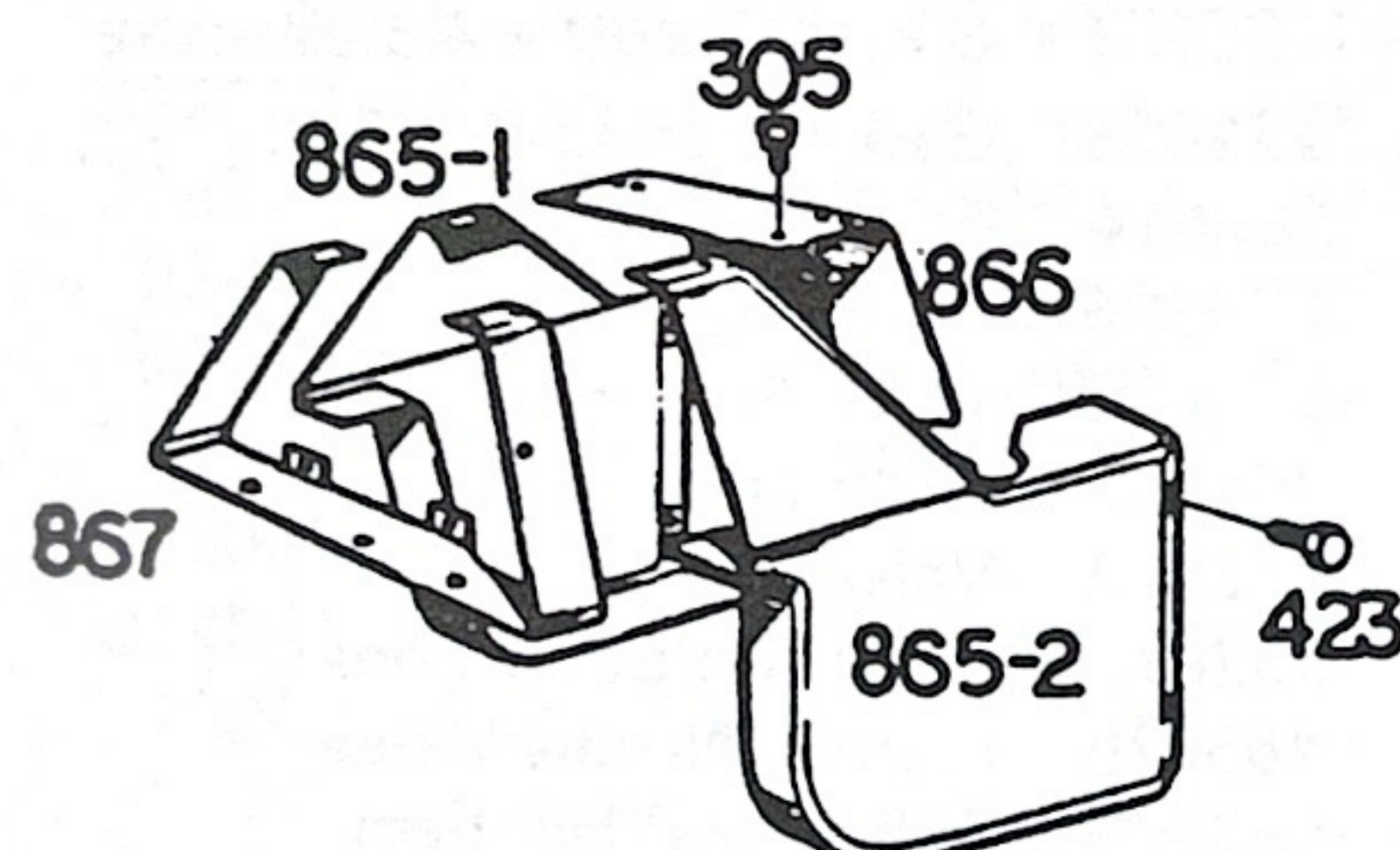
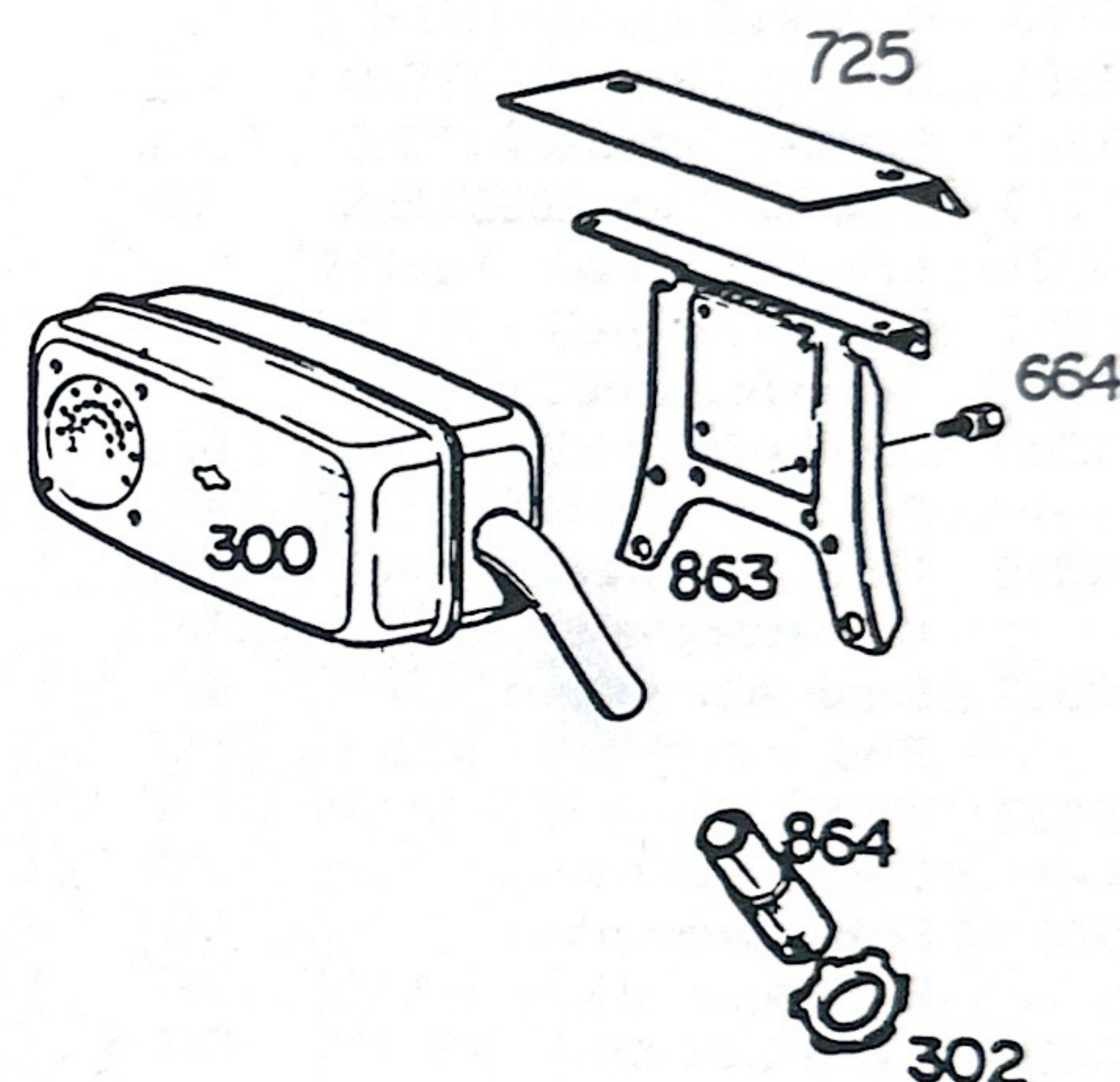
★ SPECIAL TOOLS REQUIRED TO INSTALL-SEE REPAIR INSTRUCTION MANUAL

Figure 3. BRIGG'S & STRATTON ENGINE ASSEMBLY



BOLENS 16 HP TRACTOR





REF. NO.	PART NO.	DESCRIPTION
1	394687	Cylinder Assembly
3	391086	Seal - Oil
4	223055	Trough-Dipper
5-1	212461	Head-Cylinder No. 1
5-2	212462	Head-Cylinder No. 2
7-1	*270984	Gasket-Cylinder Head No. 1
7-2	*270983	Gasket-Cylinder Head No. 2
8-1	393243	Breather Assembly No. 1
8-2	393153	Breather Assembly No. 2
9	*27083	Gasket-Valve Cover
10	93394	Screw-Sem
11	280185	Tube-Breather
11A	280198	Tube-Intake
12	*270982	Gasket-Crankcase Cover-1/64" thick
	*271145	Gasket-Crankcase Cover-.005" thick
	*271146	Gasket-Crankcase Cover-.009" thick

REF. NO.	PART NO.	DESCRIPTION
13	93111	Screw-Cylinder Head (1-15/16" long)
14	93113	Screw-Cylinder Head (2-5/16" long)
15	91084	Plug-Oil Drain
15A	93448	Plug-Hex. Socket
16	393823	Crankshaft
17	393980	Bearing-Ball
17A	393741	Bearing-Ball (P.T.O. Side)
18	394535	Cover Assembly-Crankcase (Ball Brg.)
20	291675	Seal-Oil
22	93847	Screw-Crankcase Cover Mtg. Sem
23	393480	Flywheel and Ring Gear Assy. - Magneto
24	61760	Key-Flywheel

*Included in Gasket Set-
Part No. 394501.

BOLENS 16 HP TRACTOR

REF. NO.	PART NO.	DESCRIPTION
25	394661	Piston Assembly-Standard
	394662	Piston Assembly-.010" O.S.
	394663	Piston Assembly-.020" O.S.
	394664	Piston Assembly-.030" O.S.
PISTON RING SETS:		
26	394665	Ring Set-Piston-Standard
	391781	Ring Set-Piston-.010" O.S.
	391782	Ring Set-Piston-.020" O.S.
	391783	Ring Set-Piston-.030" O.S.
27	260924	Lock-Piston Pin
28	299691	Pin Assembly-Piston-Standard
	391286	Pin Assembly-Piston-.005" O.S.
29	394306	Rod Assembly - Connecting
30	223053	Dipper-Connecting Rod
31	220863	Washer - 1/4 x 5/8 x 1/32
32	92909	Screw-Connecting Rod
33	390420	Valve-Exhaust
34	261528	Valve-Intake
		Uses: 393606 Seal Assy. and Retainer (Ref. No. 868)
35	65906	Spring-Intake Valve
36	26828	Spring-Exhaust Valve
40	221596	Retainer-Intake Valve
41	292260	Rotocoil-Exhaust Valve
42	93630	Retainer-Exhaust Valve Rotocoil (2)
45	261368	Tappet-Valve
46	212415	Gear-Cam
50	392970	Manifold Assy.-Intake
51†	*271412	Gasket-Carb. Mtg.
52	*270884	Gasket-Intake Manifold Mtg.
53	93415	Screw-Carburetor Mtg. Sem
54	93208	Screw-Intake Manifold Mtg. Sem.
74	93808	Screw, Sem
85	92674	Screw-Hex. Hd.
90	394338	Carburetor Assembly (Remote Choke)
91	393297	Body Assembly-Upper Carburetor

†Included in Carburetor Overhaul Kit-Part No. 394502.

REF. NO.	PART NO.	DESCRIPTION
92	394505	Body-Upper Carb.
93	231209	Bushing-Throttle Shaft
94	† 292681	Valve Assembly-Carburetor Idle
95	93499	Screw-Throttle and Choke Valve Mtg. Sem
96	222433	Valve=Throttle
97	392672	Shaft and Lever-Throttle
98	91920	Screw-Machine, Fil. Hd.-8-32 x 5/8"
99	26157	Spring-Throttle Adjustment
102 †	*271008	Gasket-Carburetor Body
103	298514	Float-Carburetor
104	†230896	Pin-Float Hinge
105	†299096	Valve-Fuel Inlet
107	394352	Body-Lower Carb.
108	222010	Valve-Choke
109	392673	Shaft and Lever-Choke
116	†65978	Packing-Needle Valve
119	93496	Screw-Hex. Hd. Sem 10/32 x 5/8"
120	92290	Washer-Lock-No. 10x1/16 x 3/64"
121	394502	Carburetor Overhaul Kit
161	222752	Body-Air Cleaner
171	93715	Nut-Hex.
189	90366	Lockwasher
201	261444	Link-Governor
202	261531	Link-Speed Control
209	261446	Spring-Governor
209A	261563	Spring-Governed Idle
219	394348	Gear-Governor
220	222773	Washer-Thrust
222	222807	Bracket-Speed Control
223	222828	Lever-Speed Control
223A	394324	Plate Assembly-Governor Control
227	393846	Lever Assy.-Governor
229	222289	Washer
230	220863	Washer-Gov. Crank. (inside)
244	230318	Connector-Fuel Pipe
257	93897	Screw-Casing Clamp
258	93868	Screw-Sem
265	221535	Clamp-Casing
284	93892	Screw-Sem
284A	93893	Screw-Sem
300	394200	Muffler-Exhaust
302	261409	Locknut-Muffler
304	392681	Housing-Blower
305	93158	Screw-Sem
309	393017	Motor-Starting
310	93933	Thru Bolt
311	391705	Brush Set

*Included in Gasket Set-Part No. 394501.

REF. NO.	PART NO.	DESCRIPTION
321	212418	Fan-Booster
324	223008	Screen-Rotating
332	231247	Nut-Jam
333	392329	Armature Assembly
334	93381	Screw-Armature Mtg. Sem
337	394539	Plug-Spark (2-3/8" High) (Resistor)
339	393403	Breaker Assy.-Ignition
340	26018	Spring-Breaker Arm
342	393598	Plunger-Breaker Point
343	392912	Condenser
345	212259	Cover-Breaker Point
346	93854	Screw-Sem
353	92791	Washer-Lock-Shakeproof
354	90576	Nut-Hex.-8-32
356	393035	Wire-Ground
358	394501	Gasket Set
363	19203	Puller-Flywheel (Optional Accessory)
370	231172	Bushing-Speed Control
383	89838	Wrench-Spark Plug
387	280197	Body-Pump
394	†270988	Diaphragm
423	93876	Screw-Sem
434	222615	Cover-Diaphragm
435	93829	Screw-Diaphragm Cover
445	394018	Cartridge-Air Cleaner
451	271037	Washer-Breaker Box
467	212292	Knob-Air Cleaner
474	393295	Stator-Alternator (13 Amp.)
482	93621	Screw-Sem
501	393374	Regulator-Alternator (A.C. or D.C.) (13 Amp.)
506	231174	Terminal
507	280180	Grommet-Insulator
513	391135	Clutch Assy.-Starter
520	93722	Terminal - Spade
523	394014	Cap and Dipstick-Oil Filler
524	68838	Seal-Filler Tube
525	392782	Tube-Oil Filler
526	93343	Screw-Regulator
528	393244	Line-Fuel (Impulse)
535	271271	Element-Air Cleaner
537	†271411	Gasket-Air Cleaner
544	390837	Armature Assembly (Motor)
549	271180	Washer
552	261559	Lower Bushing-Gov.
556	93783	Screw-Hex. Hd.
558	92268	Washer
562	93853	Botl-Governor Lever
567	93777	Screw-Hex. Hd. (Back Plate to Cyl.)

† Included in Carburetor Overhaul
Kit-Part No. 394502 and Pump
Repair Kit-Part No. 393397.

REF. NO.	PART NO.	DESCRIPTION
568	394391	Base-Engine
569	*270981	Gasket-Engine Base
572	222700	Guide-Air
573	392934	Back Plate Assy.
586	22906	Lock-Flywheel Nut
590	93171	Screw-Sem
592	92278	Nut-Hex.-10-24
601	93053	Clamp-Fuel Pipe
605	222959	Bracket-Regulator
615	93851	Retainer - E-Ring
616	394396	Crank-Governor
634	†271013	Washer (Choke Shaft)
634A	271316	Foam Seal-Gov. Shaft
635	66538	Elbow-Spark Plug
639	*271039	Gasket-Breaker Box
642	223001	Cover-Air Cleaner
643	222835	Cartridge Plate-Air Cleaner
653	91162	Screw-Hex. Hd.- 5/16-18 x 1-1/2"
654	230783	Nut-Contact Point Adjusting Screw
657	93496	Screw-Sem
664	93343	Screw-Sem
681	†394033	Valve Assy.-Needle
722	280222	Seal-Plunger
725	222981	Shield-Heat
726	391362	Gear-Flywheel Ring (Includes Mounting Parts)
741	261363	Gear-Timing
783	280104	Gear-Starter
801	394429	Drive End Cap Assy.-Starter
802	394247	Commutator End Cap Assy.- Starter
803	392744	Housing Assembly
847	394023	Dipstick and Tube Assembly
851	221798	Terminal-Ignition Cable
858	†270989	Diaphragm-Damping
859	†271025	Gasket-Carb. Pump
860	†261358	Spring (2)
861	393397	Repair Kit-Pump
862	392643	Mounting Strap Assy.-Air Cleaner
863	222776	Bracket-Muffler
864	231162	Connector-Muffler
865-1	392991	Cover Assy.-Air Guide (Cyl. No. 1)
865-2	392992	Cover Assy.-Air Guide (Cyl. No. 2)
866	393025	Rear Insert Assy. (Air Guide)
867	222775	Frame-Air Guide
869	261463	Seat-Intake Valve (Standard)
870	210940	Seat-Exhaust Valve (Standard)
871		Guide-Exhaust Valve 231218 or 230655 See Repair Manual
876	393254	Kit-Pinion Spring
878	393422	Alternator Harness Assembly
896	93754	Roll Pin

* Included in Gasket Set-
Part No. 394501.

BOLENS 16 HP TRACTOR

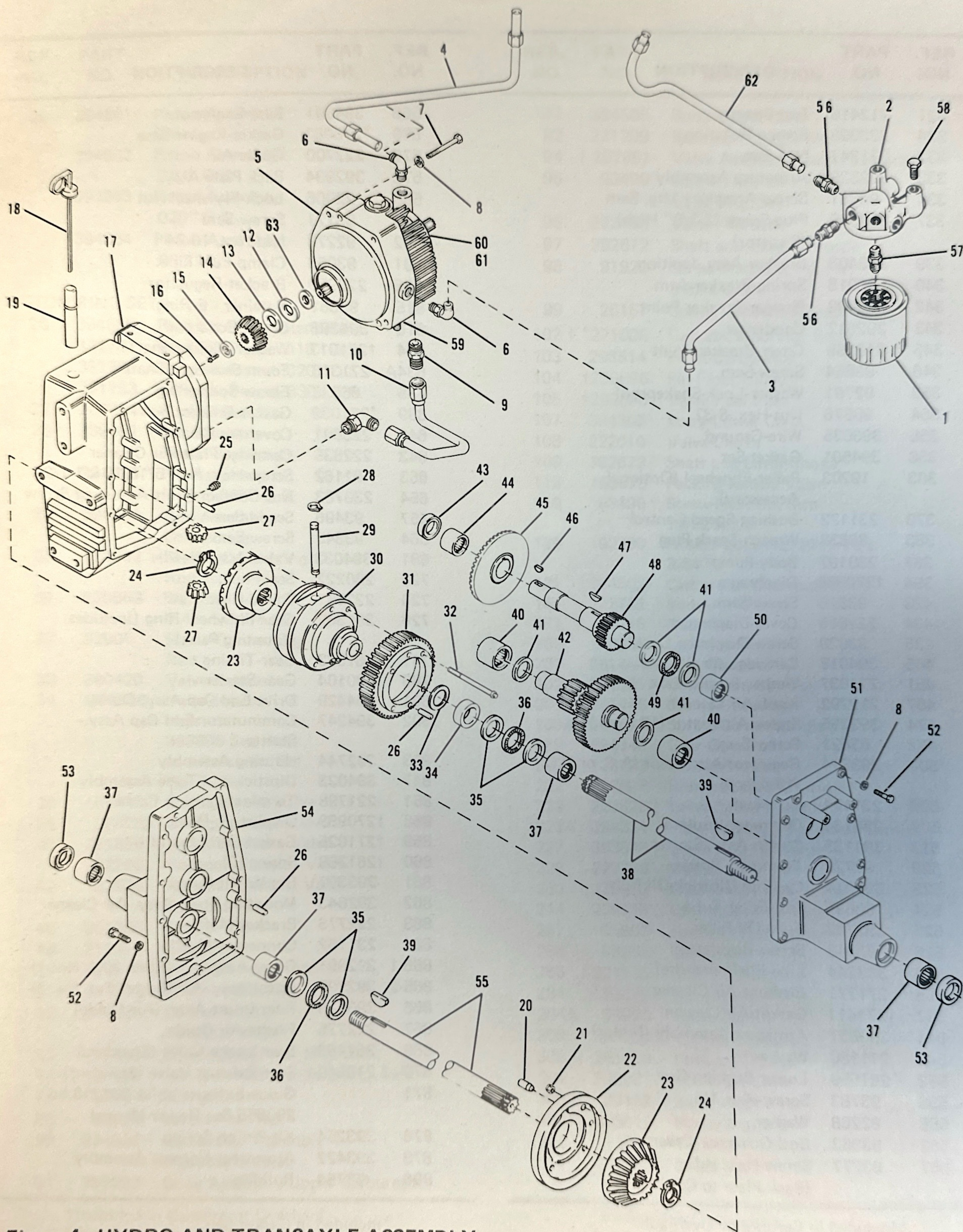


Figure 4. HYDRO AND TRANSAXLE ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1726450	Filter	1	33	1800338	Shim.	AR
2	1734345	Manifold, Filter.	1	34	1729497	Spacer, Tubular.	1
3	1734354	Tube Assembly, Return . . .	1	35	1185730	Race, Thrust.	4
4	1729265	Tube Assembly, Pump to Valve.	1	36	1185729	Bearing, Thrust	2
5	1729274	Transmission, Hydrostatic. .	1	37	1727637	Bearing, Needle.	4
6	1185737	Elbow 90°	2	38	1735134	Axle, R.H.	1
7	• 1100062	Screw, Hex Hd Cap 3/8-16 x 2-1/2	4	39	1100281	Key, Woodruff	2
8	• 1100243	Washer, Lock - 3/8.	21	40	1186010	Bearing, Needle.	2
9	1186464	Connector	1	41	1186002	Race, Thrust.	4
10	1729264	Tube Assembly, Suction . . .	1	42	1729258	Gear Assembly, Cluster. . . .	1
11	1724390	Elbow, 90°	1	43	1185882	Seal, Oil.	1
12	1730374	Washer, Shim (.005).	AR	44	1187731	Bearing, Needle.	1
13	1730375	Washer, Shim (.015).	AR	45	1724079	Gear	1
14	1729531	Gear, Bevel Pinion 18T	1	46	1100276	Key, Woodruff	1
15	1729559	Spacer.	1	47	1100279	Key, Woodruff	1
16	1741832	Screw, Hex Hd Cap 1/4-20 x 5/8	1	48	1729257	Shaft Assembly, Pinion. . . .	1
17	1732450	Housing, Transaxle	1	49	1185764	Bearing, Thrust	1
18	1724092	Dipstick.	1	50	1185774	Bearing, Needle.	1
19	1724090	Tube	1	51	1729255	Cover, Transaxle R.H.	1
20	1733103	Pin, Dowel - 5/16	2	52	• 1100047	Screw, Hex Hd Cap 3/8-16 x 1-1/2	17
21	• 1186459	Nut, Hex Lock - 5/16-18 Grade 8.	4	53	1185295	Oil Seal	2
22	1728645	Cover, Differential.	1	54	1729253	Cover, Transaxle L.H.. . . .	1
23	1726646	Gear	2	55	1735133	Axle, L.H.	1
24	1185689	Ring, Retaining.	2	56	1721989	Connector	2
25	1185930	Plug, Pipe.	1	57	1721921	Coupling	1
26	1110189	Pin, Dowel - 3/8	6	58	• 1186345	Flange Lock Screw 3/8-16 x 3/4	2
27	1713466	Pinion.	2	59	1724370	Control Shaft Seal	1
28	1118808	Ring, Retaining.	2	60	1724376	Input Shaft Seal	1
29	1727641	Shaft, Pinion	1	61	1724377	Grass Shield	1
30	1729972	Carrier, Differential	1	62	1734549	Tube Assembly, Filter to Vavle.	1
31	1729260	Gear, Axle 47 T	1	63	1705093	Shim (.028)	AR
32	1733684	Screw, Flange - 5/16-18 x 4.00	4	NI	1728407	Sealant	AR

• 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	1716470	Grip	1	22	1185739	Elbow, 90°	1
2	1729268	Lever, Lift	1	23	1724704	Pin, Cyl. Rod	1
3	1185271	Pin, Roll 7/32 x 1-1/8	1	24	1113527	Ring, Retaining	4
4	1732471	Clamp	2	25	1724703	Pin, Cyl. Anchor	1
5	• 1185750	Screw, Self Drilling No. 10-24 x 5/8.	2	26	• 1708012	Washer, Flat 3/4	1
6	• 1186313	Screw, Hex. Hd. Flange Lock 1/4-20 x 1-1/4.	2	27	1185816	Washer	AR
7	1118554	Ring, Retaining	2	28	1185902	Elbow 45°	1
8	1185728	Bushing	2	29	1177509	O-Ring	1
9	1723405	Valve	1	30	1724515	Piston	1
	1721620	Repair Kit		31	1110154	Nut, Hex. Lock 5/8-18	1
10	• 1186389	Nut, Hex. Flange Lock 1/4-20	2	32	1729388	Tube Assembly, Hydraulic Cylinder	1
11	1724742	Link, Lever	1	33	1105620	Plug, Pipe (Plastic)	AR
12	• 1185850	Pin, Cotter, 5/64 x 3/4	1	34	1729390	Rod Assembly Hydraulic Cylinder	1
13	1185479	Pin, Roll 3/32 x 5/8.	1	35	1118735	Ring, Internal Retaining . . .	1
14	1185737	Elbow, 90°	1	36	1185266	Seal, Oil.	1
15	1717563	Connector	2	37	1186019	Ring, Back Up	1
16	1733692	Assembly, Hose.	1	38	1177395	O-Ring	1
17	1719179	Hose Assembly, Cylinder . .	1	39	1724511	Head, Cylinder	1
18	1729271	Shaft Assembly, Lift	1	40	1186018	Ring, Back Up	3
19	1805345	Tie, Cable	4	41	1186017	O-Ring	2
20	1185903	Elbow, 45°	1				
21	1729387	Cylinder Assembly, Hydraulic (Incl. Ref. No. 29 thru 41)	1				

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

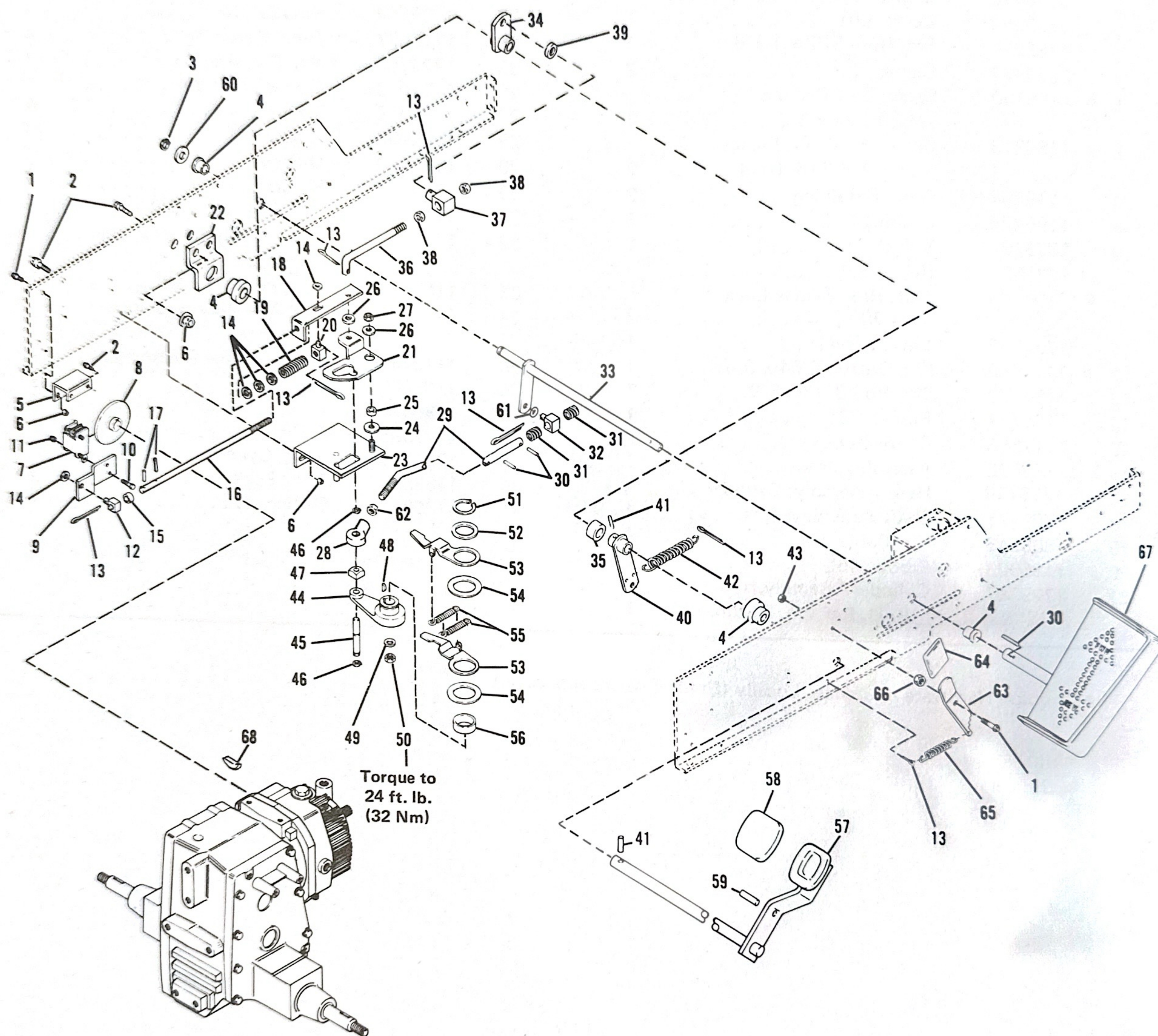


Figure 6. BRAKE AND HYDRO CONTROL ASSEMBLIES

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	● 1186347	Screw, Hex Hd Flange Lock 3/8-16 x 1	3	32	1734827	Swivel	1
2	● 1186345	Screw, Hex Hd Flange Lock 3/8-16 x 3/4	6	33	1729151	Shaft Assembly, Speed Control	1
3	1118808	Ring, Retainer	1	34	1737020	Arm Assembly	1
4	1185802	Bearing, Flanged	4	35	1722957	Spacer	1
5	1729496	Bracket, Transmission Support	1	36	1737024	Rod, Brake Control	1
6	● 1186393	Nut, Hex Flange Lock 3/8-16	6	37	1714663	Block, Pivot	1
7	1732361	Brake Assembly, Mechanical	1	38	● 1186259	Nut, Hex 3/8-16	2
8	1729273	Disc Assembly, Brake	1	39	1724403	Spacer	1
9	1732367	Extension, Brake Arm	1	40	1742412	Arm Assembly, Brake	1
10	● 1100805	Screw, Hex Hd Cap 1/4-20 x 3/4	2	41	1732147	Pin, Drive Lock	2
11	● 1186389	Nut, Hex Flange Lock 1/4-20	2	42	1720612	Spring, Extension	1
12	1725265	Block, Swivel	1	43	● 1733398	Locknut 3/8-16	1
13	● 1100346	Pin, Cotter 3/32 x 3/4	7	44	1722151	Arm, Speed Control	1
14	● 1107382	Washer, Flat 5/16	5	45	1734563	Pin, Control	1
15	1716729	Spacer	1	46	1118802	Ring, Retaining	2
16	1729217	Rod, Brake	1	47	1720699	Block, Cushion	1
17	1177625	Pin, Roll 1/8 x 3/4	2	48	1104435	Key, Woodruff	1
18	1732370	Bracket, Brake Rod	1	49	● 1107385	Washer, Flat - 1/2	1
19	1732393	Spring, Compression	1	50	● 1186233	Nut, Hex - 1/2-13	1
20	1725264	Block, Swivel	1	51	1185732	Ring, Retaining	1
21	1729213	Plate, Neutral	1	52	1720529	Washer, Thrust	1
22	1737019	Bracket, Brake Shaft	1	53	1720523	Arm, Neutralizer	2
23	1729445	Support Assembly, Neutral Plate	1	54	1720361	Washer, Thrust	2
24	1703052	Washer, Flat	1	55	1720928	Spring, Extension	2
25	1732369	Spacer, Tubular	1	56	1720706	Bearing	1
26	● 1107383	Washer, Flat 3/8	2	57	1737022	Pedal Assembly, Brake	1
27	● 1110108	Nut, Hex Lock-3/8	1	58	1725518	Pad, Pedal	1
28	1721612	Rod End	1	59	1120209	Pin, Roll 3/16 x 3/4	1
29	1735091	Rod, Speed Control	1	60	1715301	Thrust Washer	AR
30	1120210	Pin, Roll	3	61	1705108	Washer	1
31	1721492	Spring, Compression	2	62	1186246	Nut, Hex - 7/16-20	1
				63	1726352	Lock, Brake	1
				64	1728696	Grip	1
				65	1726640	Spring, Extension	1
				66	● 1186247	Hex Nut 1/2-20	1
				67	1729147	Foot Pedal	1
				68	1100276	Woodruff Key	1

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

BOLENS 16 HP TRACTOR

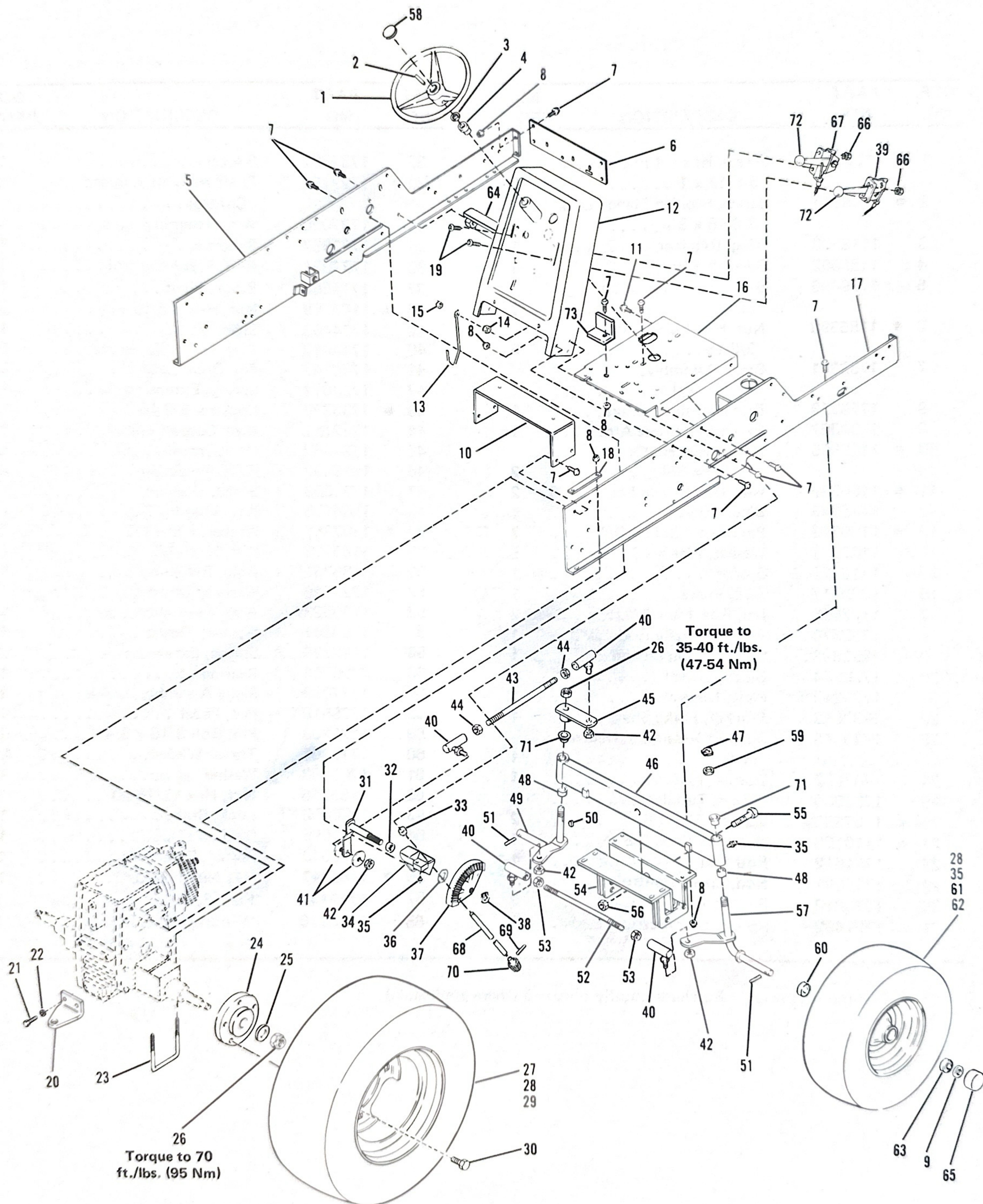
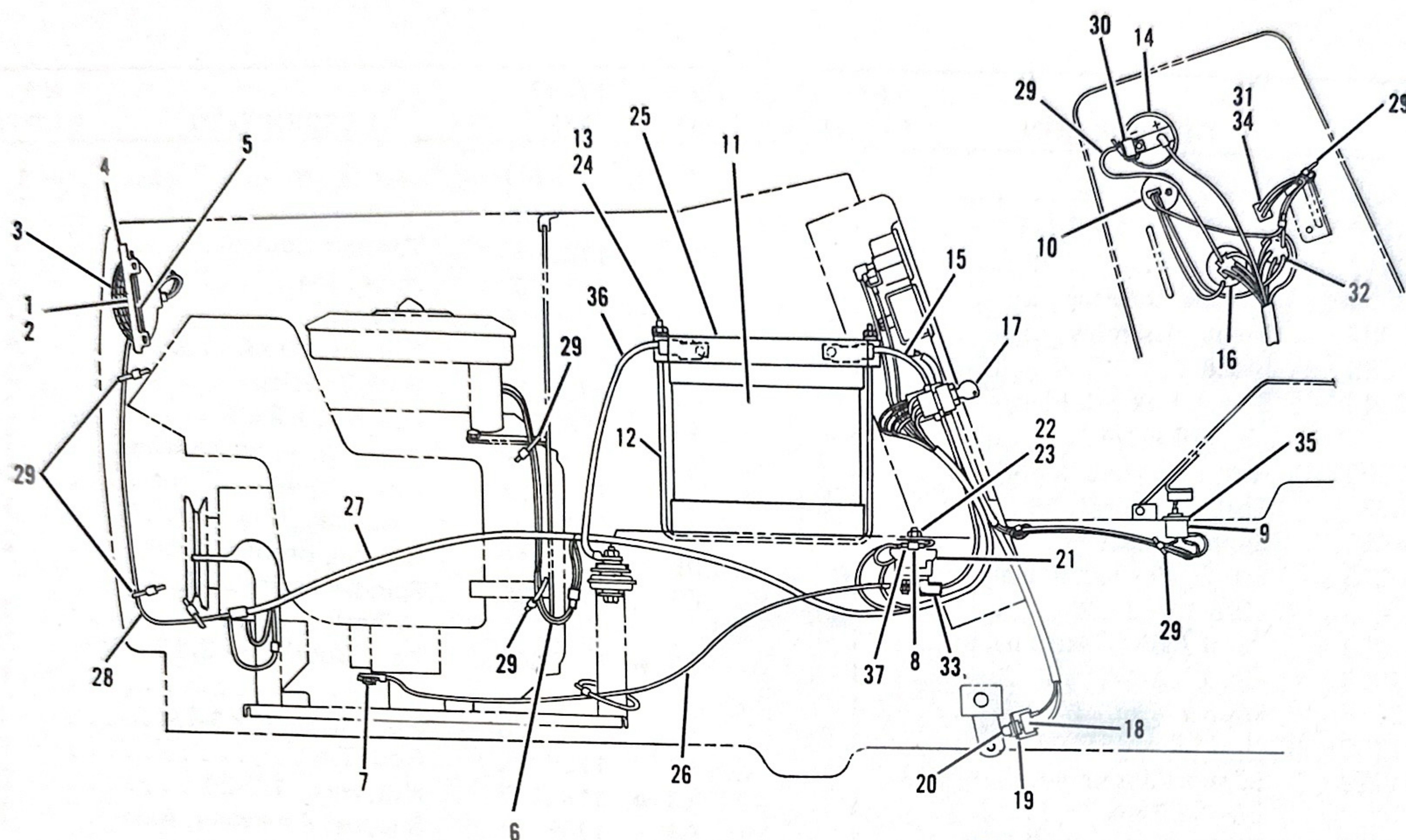
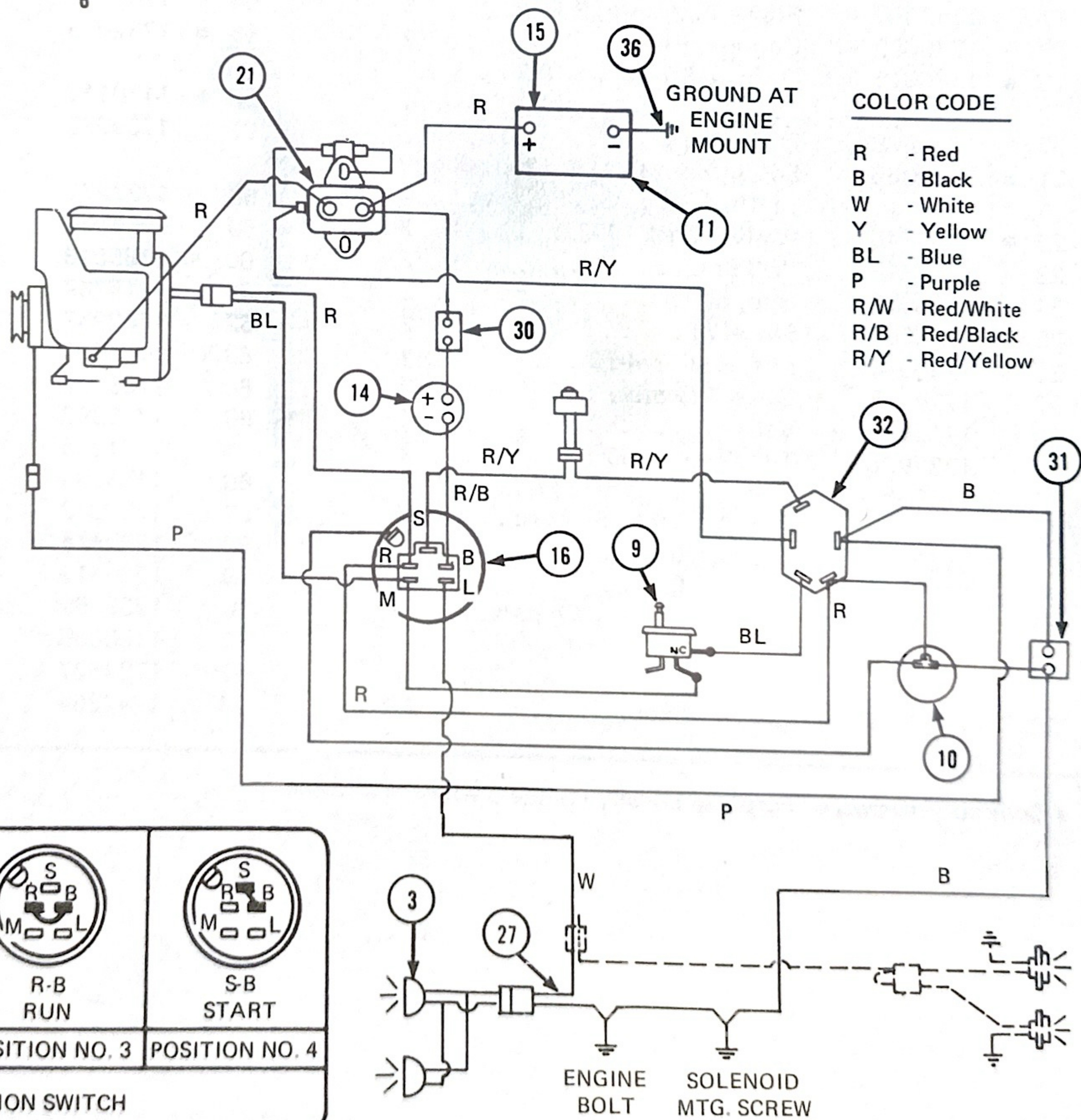


Figure 7. FRAME STEERING AND AXLE ASSEMBLIES

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1736907	Wheel, Steering	1	37	1733441	Gear, Steering	1
2	1185279	Pin, Roll 1/4 x 2-1/4	1	38	1185649	Ring, Retaining	1
3	1708012	Washer, Flat	2	39	1736464	Throttle Control	1
4	1723994	Bearing, Steering	1	40	1713361	Joint, Ball	4
5	1742087	Frame Assembly, L.H.	1	41	1738490	Spacer	2
6	1742085	Brace	1	42 ●	1110152	Nut, Hex Lock - 1/2-20	4
7 ●	1186345	Screw, Hex Hd. Flange Lock 3/8-16 x 3/4	28	43	1726496	Rod, Steering	1
8 ●	1186393	Nut, Flange Lock - 3/8-16.	22	44 ●	1186247	Hex Nut 1/2-20.	2
9	121898	Thrust Washer	2	45	1731689	Arm Assembly, Steering	1
10	1734555	Support, Seat	1	46	1731636	Axle Assembly, Front	1
11 ●	1186348	Screw, Hex Hd. Flange Lock 3/8-16 x 1-1/4.	1	47	1113527	Retaining Ring	1
12	1742099	Panel Ass'y., Instrument	1	48	1185319	Bearing, Bronze.	2
13	1731956	Hook, Cable	1	49	1736206	Spindle Assembly L.H. Wheel	1
14 ●	1100256	Washer, Flat - 3/8	1	50 ●	1110547	Key, Woodruff - 3/16 x 1-1/8.	1
15 ●	1110108	Nut, Lock - 3/8-16.	1	51	1186460	Roll Pin 5/16 x 1-1/4	2
16	1741729	Support Assembly, Battery & Gas Tank	1	52	1726495	Rod, Tie	1
17	1742088	Frame Assebmly, R.H.	1	53 ●	1186247	Nut, Hex - 1/2-20	2
18	1730692	Doubler, Rear.	2	54	1738561	Support Assembly, Axle	1
19 ●	1115815	Machine Screw No. 10-24 x 5/8	4	55 ●	1732078	Screw, Hex Hd. Cap 5/8-11 (Special).	1
20	1724698	Draw Bar	2	56 ●	1110112	Nut, Hex - 5/8-11	1
21 ●	1100055	Screw, Hex Hd - 1/2-13 x 1-1/4.	2	57	1739738	Spindle Assembly R.H. Wheel	1
22 ●	1100245	Washer, Lock - 1/2.	2	58	1737071	Steering Cap.	1
23	1727898	"U" Bolt	2	59	1708550	Thrust Washer.	1
24	1726679	Hub, Wheel	2	60	1185616	Bearing, Ball with Seal	2
25	1708599	Spacer	2	61	1715789	Wheel Assembly	2
26 ●	1120390	Nut, Hex - 3/4-10	1	62	1732957	Tire, 16 x 6.50-8.	2
27	1724718	Wheel Assembly	2	63	1185615	Bearing, Ball	2
28	1718086	Valve	4	64	1735572	Frame Support	1
29	1732926	Tire, 23 x 10.50-12	2	65	1715899	Cap, Dust - Geneva Wheel	2
30	101085	Bolt, Hub.	10		1721245	Cap, Dust - Dico Wheel.	2
31	1731782	Arm Assembly, Steering	1	66	1185985	Keps Nut No. 10-24.	5
32	1733707	Spacer, Tubular.	1	67	1736302	Choke Control	1
33	1185846	Bushing, Flange.	1	68	1738414	Steering Shaft Ass'y	1
34	1740753	Bracket, Steering Support.	1	69	1738413	Roll Pin.	1
35	1185976	Fitting, Grease Thd Forming.	5	70	1736159	Bevel Pinion Gear	1
36	1733442	Washer, Shim	AR	71	1185035	Flange Bearing	2
				72	1724527	Knob	2
				73	1742264	Tank Clamp	1

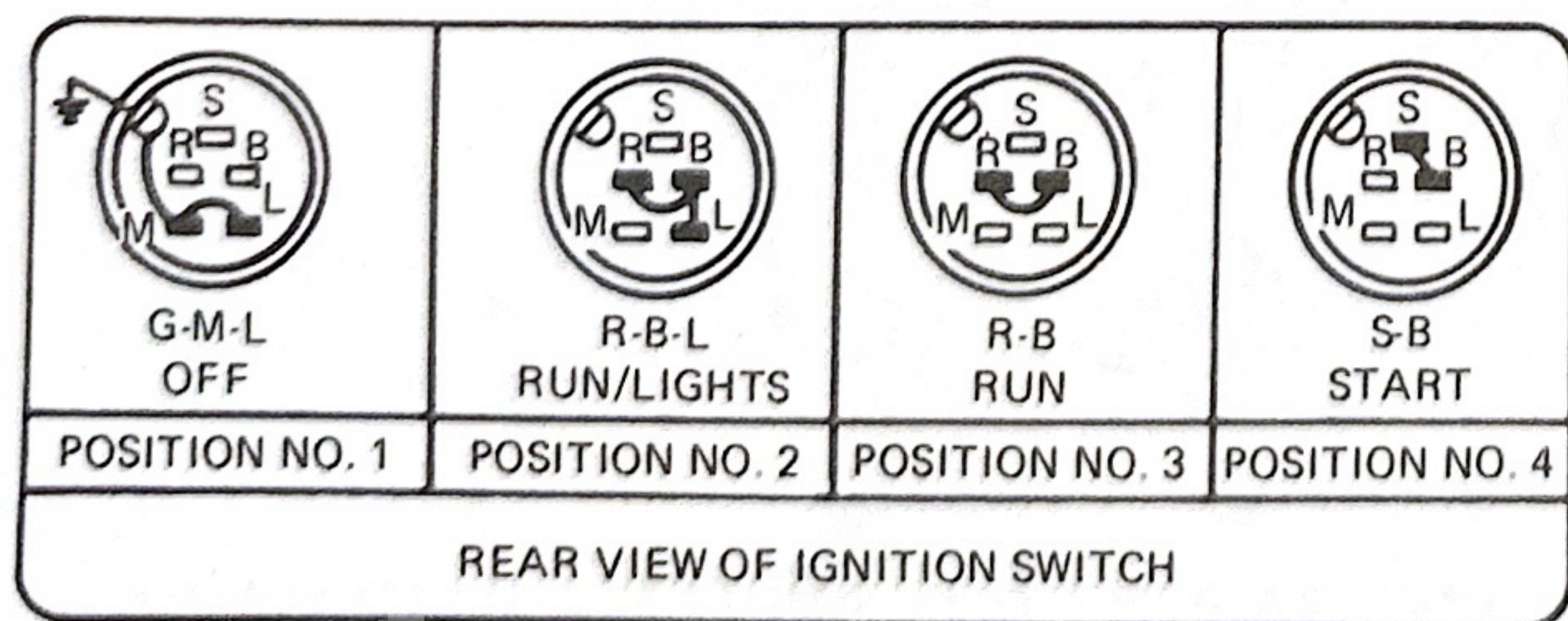
● Common Hardware - Purchase Locally (Grade 5 where applicable)

BOLENS 16 HP TRACTOR



COLOR CODE

R - Red
 B - Black
 W - White
 Y - Yellow
 BL - Blue
 P - Purple
 R/W - Red/White
 R/B - Red/Black
 R/Y - Red/Yellow



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	1103959	Washer, Flat No. 10	4	21	1740056	Solenoid	1
2	1185878	Rivet, Pop 3/16 x 3/8.	4	22 ●	1115815	Screw, Phil. No. 10-24 x 5/8.	2
3	1726435	Headlight.	2	23 ●	1185985	Nut, Keps Lock No. 10-24	2
4	1806805	Plate, Retainer	2	24	1734398	Lock Nut 1/2-20	2
5	1806808	Retainer	2	25	1739631	Battery Hold Down	1
6	1741657	Engine Harness	1	26	1728940	Cable, Starter	1
7 ●	1186389	Flange Nut 1/4-20	1	27	1742112	Harness Main	1
8	1721252	J-Clip	1	28	1727169	Harness Headlight.	1
9	1734366	Switch.	1	29	1805345	Cable, Tie	11
10	1742197	Hour Meter	1	30	1729914	Circuit Breaker	1
11	1740009	Battery, 12 Volt	1	31	1734824	Lamp, Clutch	1
12	1740804	Hold Down Rod	1	32	1734356	Switch PTO	1
13 ●	1107381	Flat Washer 1/4.	2	33	1715012	Electrical Nipple	1
14	1739205	Armmeter 20-0-20.	1	34	1735285	Bulb (Mfg. No. GE 73)	1
15	1725374	Cable, Battery Pos.	1	35	1734472	Switch Seal	1
16	1726169	Switch, Ignition	1	36	1725373	Cable, Battery Neg. to Engine Mount	1
17	1718266	Key, Ignition	1	37	1742113	Condensor	1
18	1733577	Switch Assembly, Interlock.	1				
19	1890234	Washer	2				
20	1733576	Seal, Switch	1				

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