



**Tractor
16HP**

Models 1668

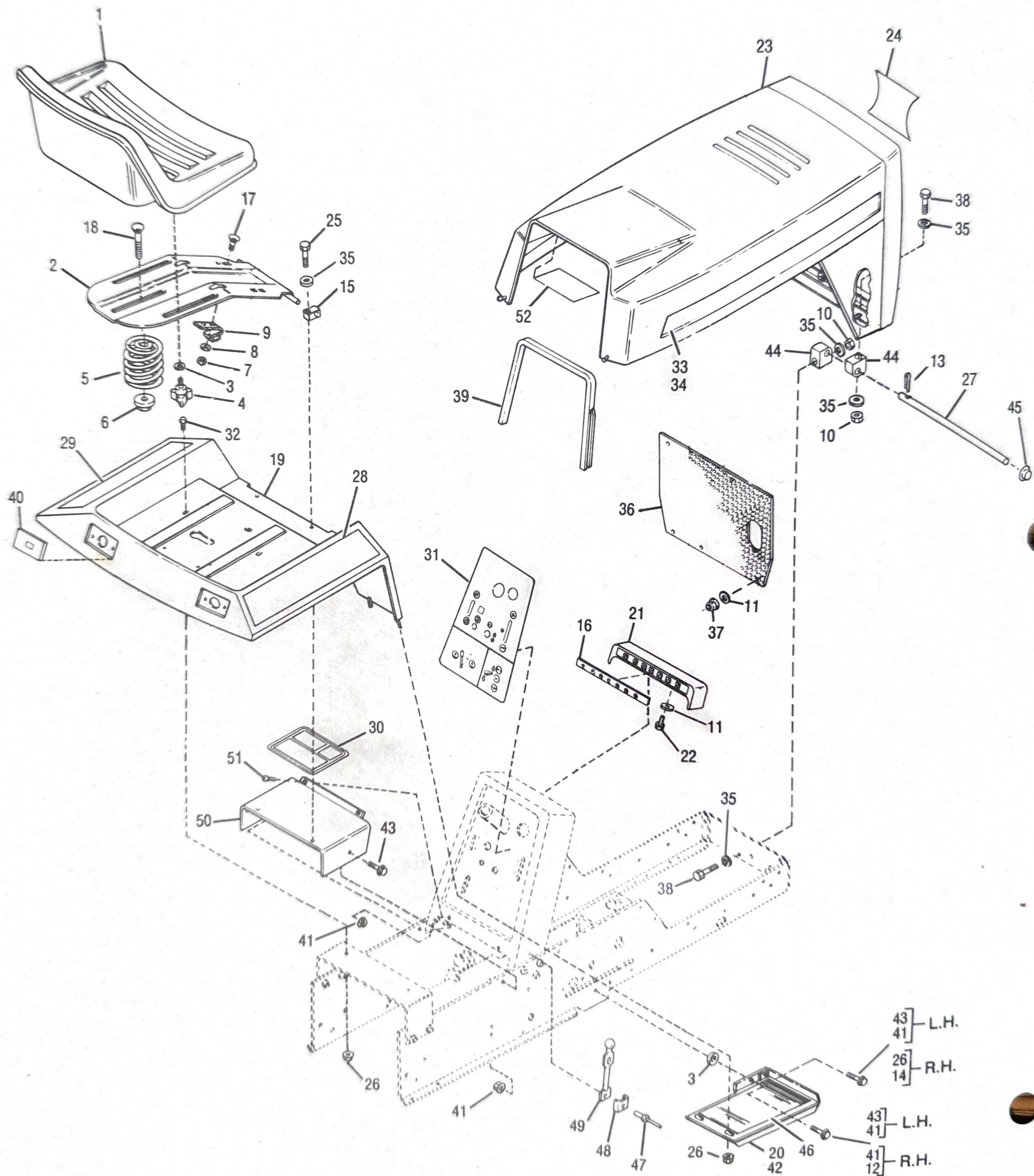
Serial Number
0600101 thru
0699999

1668L

Serial Number
0100101 thru
0199999

Parts List

BOLENS 16 HP TRACTOR



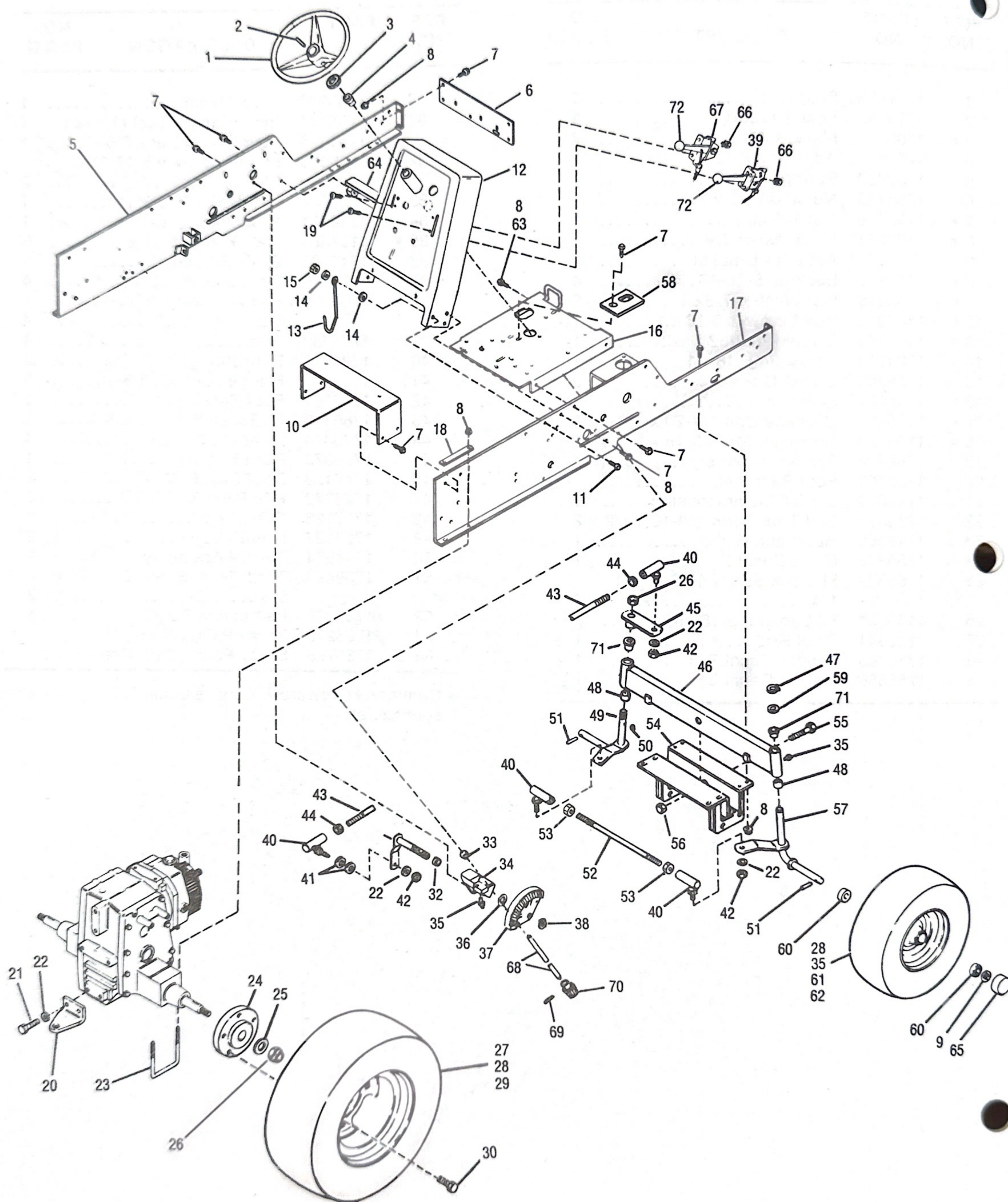
MODELS 1668 & 1668L

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1747835	Seat	1
2	1734115	Seat Support	1
3 •	1100256	Flat Washer, 3/8	4
4	1734269	Adjusting Knob	2
5	1733960	Spring	1
6	1735125	Nut and Washer	1
7 •	1186229	Nut 1/4-20	1
8 •	1100241	Flat Washer 1/4	1
9	1734515	Actuator Bracket	1
10 •	1110107	Locknut 5/16-18	4
11 •	1185418	Flat Washer 7/32	6
12 •	1100046	Hex Screw 3/8-16 x 1	1
13 •	1100362	Cotter Pin 3/32 x 1/2	1
14	1734214	Screw 5/16-18 x 1	1
15	1735265	Swivel Block	2
16	1748081	Lense	1
17 •	1186067	Carriage Bolt 1/4-20 x 1/2	1
18 •	1186130	Carriage Bolt 3/8-16 x 1-1/4	1
19	1748574	Fender Assembly	1
20	1736566	Foot Rest R.H.	1
21	1748080	Light Cluster Housing	1
22	1748572	Self Thd. Screw 10-16 x 1/2	2
23	1749566	Hood and Grille	1
24	1756360	Grille Decal	1
25	1186332	Fl. Lock Screw 5/16-18 x 1-1/4	2
26	1186391	Fl. Locknut 5/16-18	7
27	1736341	Pivot Rod	1
28	1756365	Fender Decal R.H.	1
29	1756366	Fender Decal L.H.	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
30	1750290	Instr. Decal	1
31	1756471	Instr. Panel Decal (1668L)	1
	1751145	Instr. Panel Decal(1668) ...	1
32	1186329	Fl. Lock Screw 5/16-18 x 3/4	2
33	1756362	L.H. Hood Decal	1
34	1756361	R.H. Hood Decal	1
35 •	1107382	Flat Washer 5/16	10
36	1742100	Grille Screen	1
37	1736399	Flange Locknut	4
38 •	1100799	Hex Hd. Screw 5/16-18 x 1-1/2	4
39	1726932	Trim	1
40	1725615	Reflector	2
41	1186393	Flange Locknut 3/8-16	5
42	1736565	Foot Rest L.H.	1
43	1186345	Fl. Screw 3/8-16 x 3/4	6
44	1736340	Pivot	4
45	1728072	Push Nut	1
46	1746139	Root Rest Pad	2
47	1728772	Pop Rivet 3/16 x 1/2	2
48	1727126	Clip	2
49	1727127	Latch	2
50	1744524	Tunnel Assembly	1
51	1739688	Thrd. Form Screw 5/16-18 x 5/8	2
52	1757308	Instruction Decal	1
NI	1735223	Spray Paint (White)	
NI	1736796	Spray Paint (Dark Green)	

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

BOLENS 16 HP TRACTOR



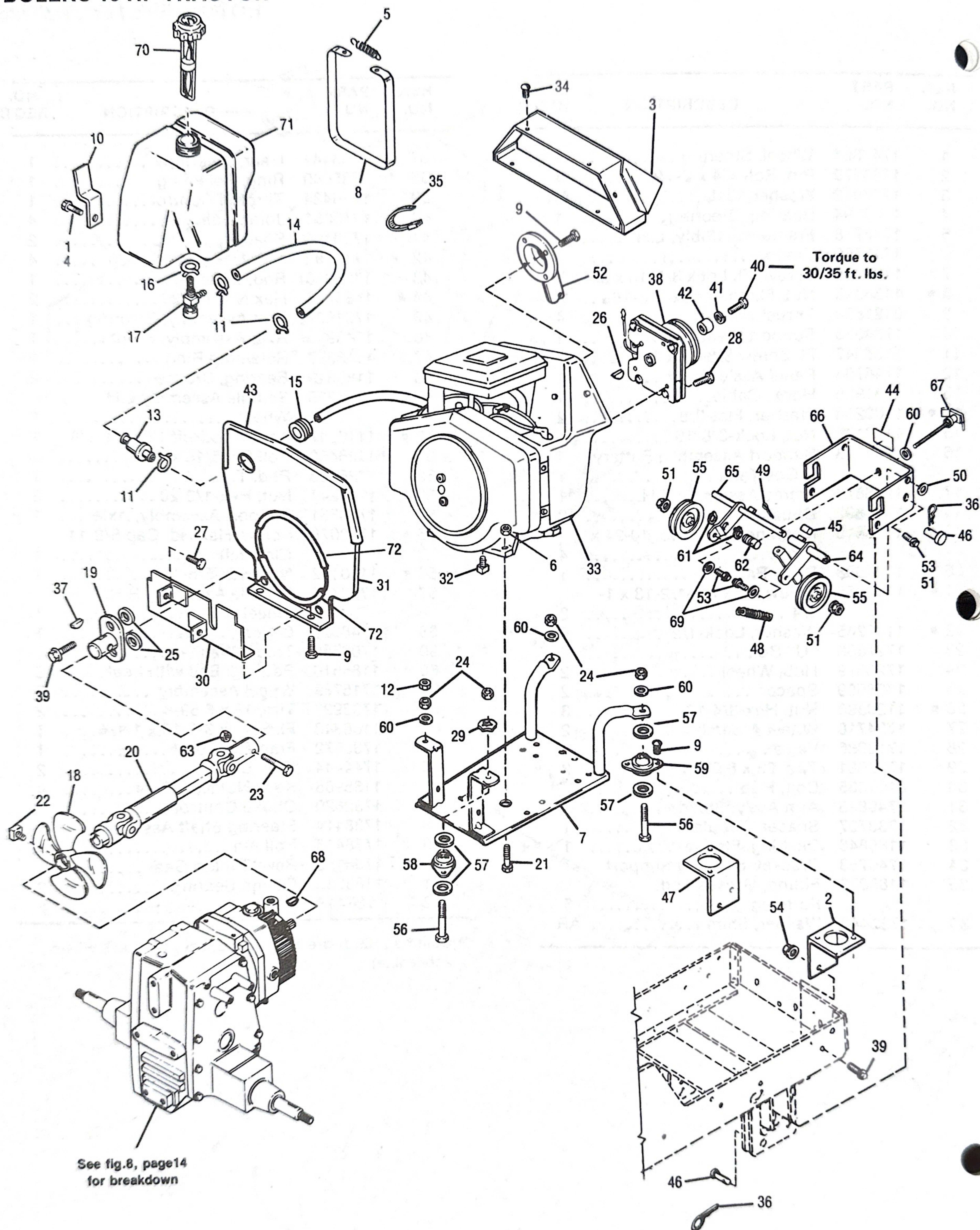
MODELS 1668 & 1668L

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1747804	Wheel, Steering	1
2	1185279	Pin, Roll 1/4 x 2-1/4	1
3	1708012	Washer, Flat	AR
4	1723994	Bearing, Steering	1
5	1748778	Frame Assembly, L.H.	1
6	1742085	Brace	1
7	1186345	Screw, Fl. Lock 3/8-16 x 3/4	24
8 •	1186393	Nut, Flange Lock-3/8-16 ...	16
9	0121898	Thrust Washer	4
10	1734555	Support, Seat	1
11	1186347	Fl. Screw 3/8-16 x 1	1
12	1748704	Panel Ass'y., Instr	1
13	1731956	Hook, Cable	1
14 •	1100256	Washer, Flat-3/8	2
15 •	1110108	Nut, Lock-3/8-16	1
16	1756443	Support Assembly, Battery & Gas Tank	1
17	1748826	Frame Assembly R.H.	1
18	1730692	Doubler, Rear	2
19 •	1115815	Machine Screw No. 10-24 x 5/8	4
20	1724698	Draw Bar	1
21 •	1100055	Screw, Hex Hd-1/2-13 x 1-1/4	2
22 •	1100245	Washer, Lock-1/2	6
23	1727898	"U" Bolt	2
24	1726679	Hub, Wheel	2
25	1708599	Spacer	2
26 •	1120390	Nut, Hex-3/4-10	3
27	1724718	Wheel Assembly	2
28	1718086	Valve	4
29	1733081	Tire, 23 x 8.50-12	2
30	0101085	Bolt, Hub	10
31	1749895	Arm Ass'y, Steering	1
32	1733707	Spacer, Tubular	1
33	1185846	Bushing, Flange	1
34	1740753	Bracket, Steering Support	1
35	1185976	Fitting, Grease Thd. Forming	5
36	1733442	Washer, Shim	AR

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
37	1733441	Gear, Steering	1
38	1185649	Ring, Retaining	1
39	1736464	Throttle Control	1
40	1713361	Joint, Ball	4
41	1738490	Spacer	2
42	1110152	Nut, Hex Lock-1/2-20	4
43	1726496	Rod, Steering	1
44 •	1186247	Hex Nut 1/2-20	2
45	1731689	Arm Assembly, Steering ...	1
46	1743946	Axle Assembly, Front	1
47	1113527	Retaining Ring	1
48	1185319	Bearing, Bronze	2
49	1736206	Spindle Assembly L.H. Wheel	1
50 •	1110547	Key, Woodruff-3/16x 1-1/8	1
51	1186460	Roll Pin 5/16 x 1-1/4	2
52	1726495	Rod, Tie	1
53 •	1186247	Nut, Hex-1/2-20	2
54	1738561	Support Assembly, Axle ...	1
55 •	1732078	Screw, Hex Hd. Cap 5/8-11 (Special)	1
56 •	1110112	Nut, Hex-5/8-11	1
57	1739738	Spindle Assembly R.H. Wheel	1
58	1746622	Cover	1
59	1708550	Thrust Washer	1
60	1185616	Bearing, Ball with Seal	2
61	1715789	Wheel Assembly	2
62	1732927	Tire, 16 x 6.50-8	2
63	1186348	Fl. Screw 3/8-16 x 1-1/4	1
64	1735572	Frame Support	1
65	1744444	Cap, Dust	2
66	1185985	Keps Nut No. 10-24	4
67	1732620	Choke Control	1
68	1738414	Steering Shaft Ass'y	1
69	1738413	Roll pin	1
70	1736159	Bevel Pinion Gear	1
71	1185035	Flange Bearing	2
72	1737118	Knob	2

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

BOLENS 16 HP TRACTOR

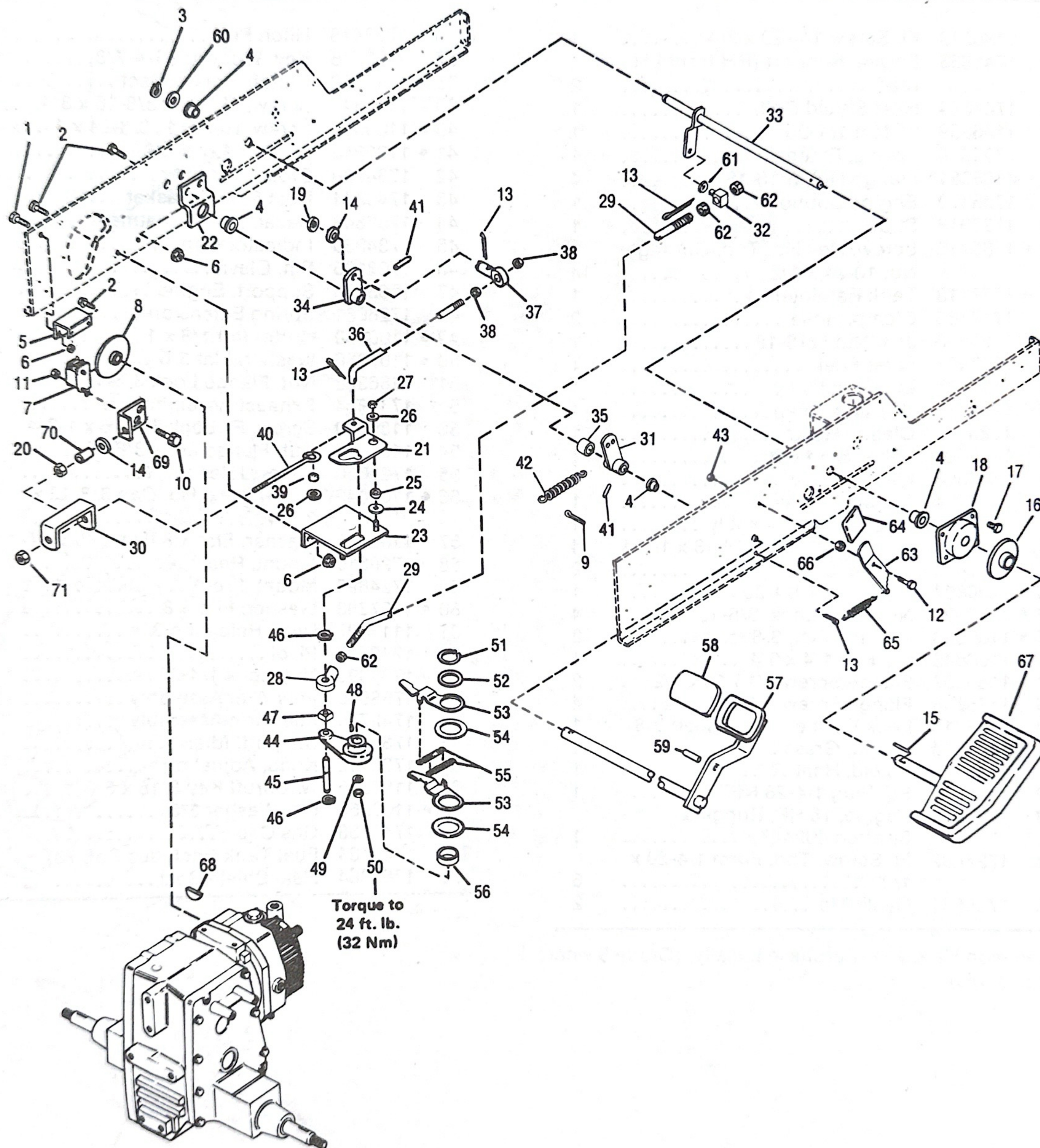


REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1186310	Fl. Screw 1/4-20 x 3/4	1
2	1741653	Engine Support (RH front LH rear)	2
3	1741664	Heat Shield Defl.	1
4	1186389	Fl. Nut 1/4-20	1
5	1806648	Spring, Extension	1
6	1186391	Flange Nut, 5/16-18	4
7	1756470	Engine Support	1
8	1727918	Strap	1
9 •	1185712	Screw, Hex Hd. Thd. Cutting No. 10-24 x 1/2	14
10 •	1757213	Tank Retainer	1
11	1718185	Clamp, Hose	2
12	1185506	Jam Nut 5/16-18	1
13	1727491	Filter Fuel	1
14	1724708	Line, Fuel	1
15	1729587	Bushing, Snap	1
16	1723474	Clamp, Hose	1
17	1718029	Valve, Shut Off	1
18	1746503	Fan	1
19	1741654	Engine Extension	1
20	1743862	Drive Shaft Assembly	1
21	1186332	Fl. Lock Screw 5/16-18 x 1-1/4	4
22	1737419	Sq. Hd. Set Screw	2
23 •	1100807	Hex Screw 1/4-20 x 2	1
24 •	1733398	Nut, Hex. Lock, 3/8-16	4
25 •	1107383	Washer, Flat, 3/8	2
26	1108842	Sq. Key 1/4 x 3/4	1
27	1186327	Flange Screw 5/16-18 x 1/2 ...	2
28	1185798	Flange Screw 3/8-16 x 1/2	4
29	1185715	Lock Washer (Pyramidal) 3/8	1
30	1742344	Shield, Grass	1
31	1741669	Shield, Heat	1
32	1105620	Sq. Plug 1/4-28 NPT	1
33	*	Engine, 16 HP, Briggs & Stratton 402447	1
34	1724492	Fl. Screw, Thd. Form 1/4-20 x 1/2	6
35	1735531	Cable Tie	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
36	1723478	Hitch Pin	4
37	1100276	Key, Woodruff 1/4-7/8	1
38	1741572	Clutch/Brake, Elect	1
39	1186345	Screw, Fl. Lock 3/8-16 x 3/4	8
40 •	1100009	Screw, Hex Hd., 3/8-24 x 1 ...	1
41 •	1100243	Washer, Lock 3/8	1
42	1734790	Clutch Retainer	1
43	1740344	Heat Shield Gasket	1
44	1756843	Decal, Belt Adjustment	1
45	1734935	Indicator Cap	2
46	1708125	Pin, Clevis	4
47	1733134	Support, Engine	1
48	1726661	Spring Extension	1
49 •	1100350	Cotter Pin 1/8 x 1	2
50 •	1107386	Washer, Flat 5/8	2
51	1186393	Nut, Flange Lock 3/8-16	3
52	1741964	Exhaust Assembly	1
53	1186350	Screw, Fl. Lock 3/8-16 x 1-3/4	3
54	1186393	Nut, Flange Lock 3/8-16	7
55	1726660	Pulley, Idler	2
56 •	1100049	Screw, Hex. Hd. Cap 3/8-16 x 2-1/4	4
57	1186047	Washer, Flat 3/8 ID x 1-3/8 OD	8
58	1726510	Mount, Rear	2
59	1724896	Mount, Front	2
60 •	1107383	Washer, Flat 3/8	4
61	1113527	Ring, Retaining 3/4	2
62	1742723	Pivot	1
63 •	1734398	Nut, Lock 1/4-20	1
64	1738569	Idler Arm Assembly	1
65	1742725	Idler Arm Assembly	1
66	1736481	Support, Idler	1
67	1735112	Knob, Adjusting	1
68	1185885	Woodruff Key 3/16 x 5/8	1
69 •	1100256	Flat Washer 3/8	2
70	1748758	Gas Cap	1
71	1749484	Fuel Tank (includes Ref. 70)	1
72	1755364	Heat Shield Seal	2

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

BOLENS 16 HP TRACTOR

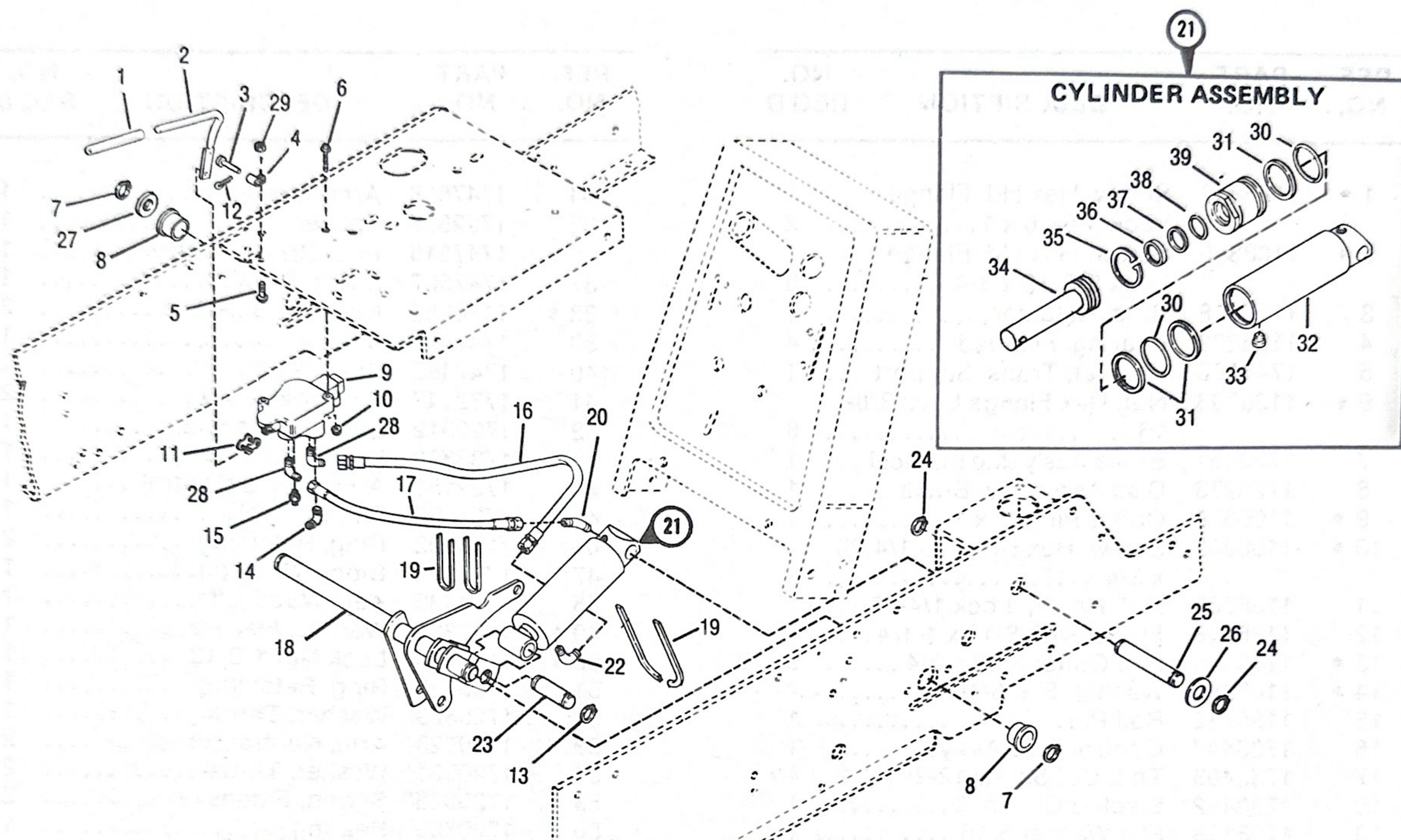


MODELS 1668 & 1668L

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1 •	1186347	Screw, Hex Hd. Flange Lock 3/8-16 x 1.....	2
2 •	1186345	Screw, Hex Hd. Flange Lock 3/8-16 x 3/4.....	6
3	1118808	Ring, Retainer.....	1
4	1185802	Bearing, Flanged.....	4
5	1747060	Bracket, Trans, Support ...	1
6 •	1186393	Nut, Hex Flange Lock 3/8-16.....	6
7	1732361	Brake Ass'y, Mechanical ...	1
8	1729273	Disc Assembly, Brake	1
9 •	1100350	Cotter Pin 1/8 x 1.....	1
10 •	1100805	Screw, Hex Hd. Cap 1/4-20 x 3/4	2
11	1186389	Nut, Hex Fl. Lock 1/4-20 ...	2
12	1186348	Fl. Screw 3/8-16 x 1-1/4....	1
13 •	1100346	Pin, Cotter 3/32 x 3/4	5
14 •	1107382	Washer, Flat 5/16.....	2
15	1185232	Roll Pin.....	1
16	1738447	Control Disc Ass'y.....	1
17	1738463	Thd. Cut Screw 12-24 x 1/2	4
18	1738462	Electric Clutch	1
19	1705108	Flat Washer 5/16	1
20	1186230	Hex Nut 5/16-18.....	1
21	1729213	Plate, Neutral	1
22	1737019	Bracket, Brake Shaft.....	1
23	1729445	Support Ass'y Neutral Plate	1
24	1703052	Washer, Flat	1
25	1732369	Spacer, Tubular	1
26 •	1107383	Washer, Flat 3/8	2
27 •	1110108	Nut, Hex Lock 3/8	1
28	1721612	Rod End	1
29	1749966	Rod, Speed Control	1
30	1748372	Brake Return.....	1
31	1748584	Brake Arm Assembly	1
32	1734827	Swivel	1
33	1744856	Shaft Assembly, Speed Control	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
34	1747508	Arm Assembly	1
35	1722957	Spacer	1
36	1747513	Rod, Brake Control	1
37	1747507	Block, Pivot	1
38 •	1186259	Nut, Hex 3/8-16	2
39	1747497	Spacer	1
40	1747495	Brake Rod	1
41	1732147	Pin, Drive Lock	2
42	1720612	Spring, Extension	1
43 •	1733398	Locknut 3/8-16	1
44	1722151	Arm, Speed Control	1
45	1734563	Pin, Control	1
46	1118802	Ring, Retaining	2
47	1720699	Block, Cushion.....	1
48	1104435	Key, Woodruff	1
49 •	1107385	Washer, Flat 1/2	1
50 •	1110110	Lock Nut 1/2-13	1
51	1185732	Ring, Retaining	1
52	1720529	Washer, Thrust.....	1
53	1720523	Arm, Neutralizer.....	2
54	1720361	Washer, Thrust.....	2
55	1720928	Spring, Extension	2
56	1720706	Bearing	1
57	1746136	Pedal Ass'y, Brake.....	1
58	1725518	Pad, Pedal	1
59	1120209	Pin, Roll 3/16 x 3/4	1
60	1715301	Thrust Washer	AR
61	1705108	Washer	1
62	1186246	Nut, Hex 7/16-20	3
63	1726352	Lock, Brake	1
64	1734553	Grip	1
65	1726640	Spring, Extension	1
66 •	1186247	Hex Nut 1/2-20	1
67	1751058	Foot Pedal	1
68	1751775	Woodruff Key, 1/4 x 3/4....	1
69	1747496	Ext. Brake Arm	1
70	1747494	Sleeve	1
71 •	1110107	Lock Nut 5/16-18	1

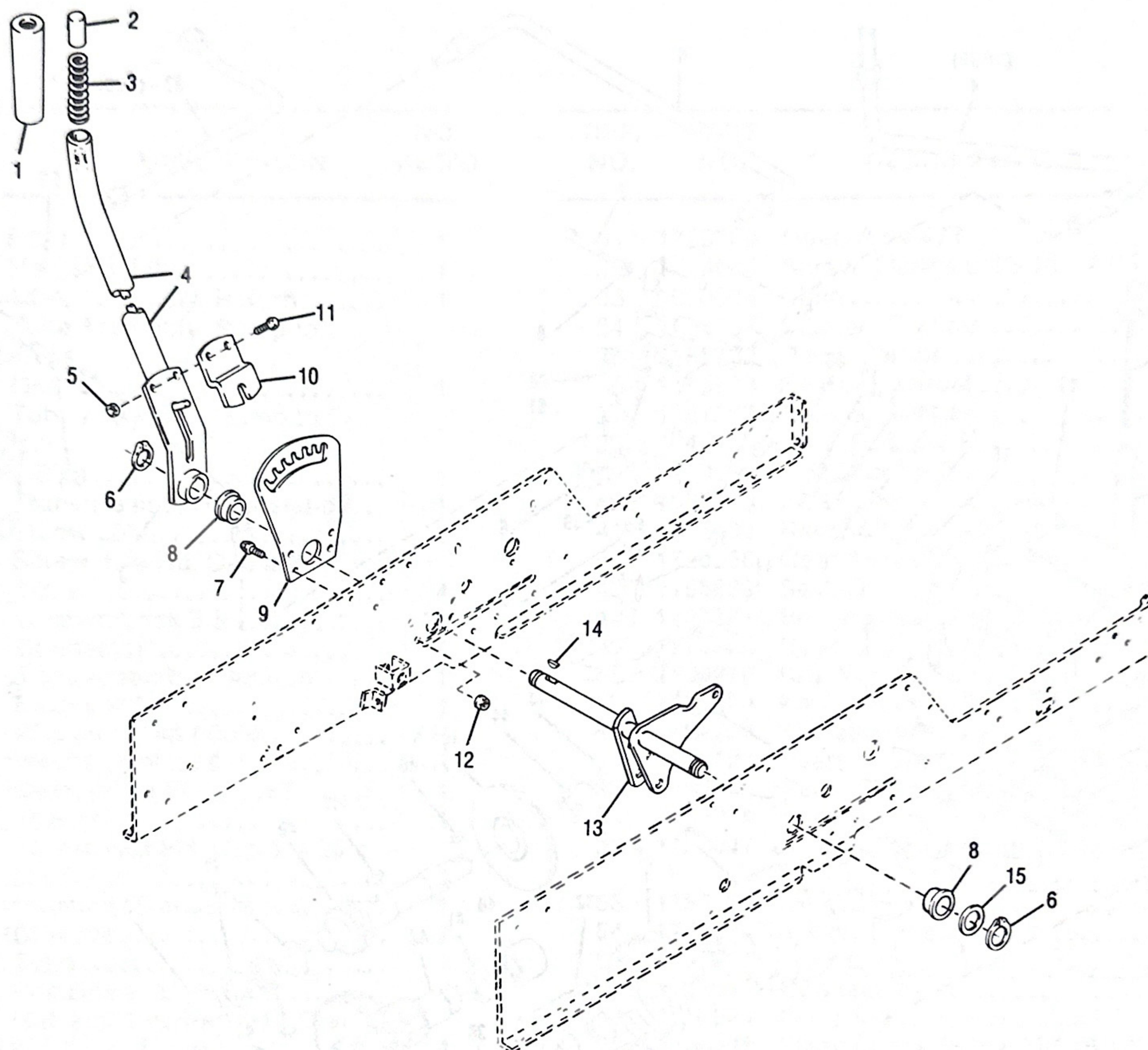
• Common Hardware-Purchase Locally (Grade 5 where applicable)



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1734624	Grip	1
2	1749014	Lever, Lift	1
3	1749653	CLevis Pin	1
4	1732471	Clamp	2
5 •	1115815	Screw, Phil Hd. 10-24 x 5/8	2
6	1186313	Screw, Fl.Lock 1/4-20 x 1-1/4	2
7	1118554	Ring, Retaining	2
8	1185728	Bushing	2
9	1751199	Valve	1
	1751209	Seal Repair Kit	
10	1186389	Nut, Fl. Lock 1/4-20	2
11	1185018	Link, Lever	1
12 •	1185850	Pin, Cotter, 5/64 x 3/4	1
13	1118808	Retaining Ring	2
14	1185737	Elbow, 90°	1
15	1717563	Connector	1
16	1733692	Assembly, Hose	1
17	1719179	Hose Assembly, Cylinder	1
18	1751197	Shaft Assembly, Lift	1
19	1735531	Tie, Cable	4
20	1185903	Elbow, 45°	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
21	1747509	Cylinder Assembly, Hydraulic (Incl. Ref. No. 30 thru 39)	1
22	1185739	Elbow, 90°	1
23	1747512	Pin, Cyl. Rod	1
24	1113527	Ring, Retaining	2
25	1724703	Pin, Cyl. Anchor	1
26	1708012	Washer, Flat 3/4	1
27	1185816	Washer	AR
28	1185902	Elbow 45°	2
29	1185985	Nut, Keps 10-24	2
30	1186017	O-Ring	2
31	1186018	Ring, Back Up	3
32	1729388	Tube Assembly, Hydraulic Cylinder	1
33	1105620	Plug, Pipe (Plastic)	AR
34	1747043	Rod Assembly Hydraulic Cylinder	1
35	1118735	Ring, Internal Retaining	1
36	1185266	Seal, Oil	1
37	1186019	Ring, Back Up	1
38	1177395	O-Ring	1
39	1724511	Head, Cylinder	1

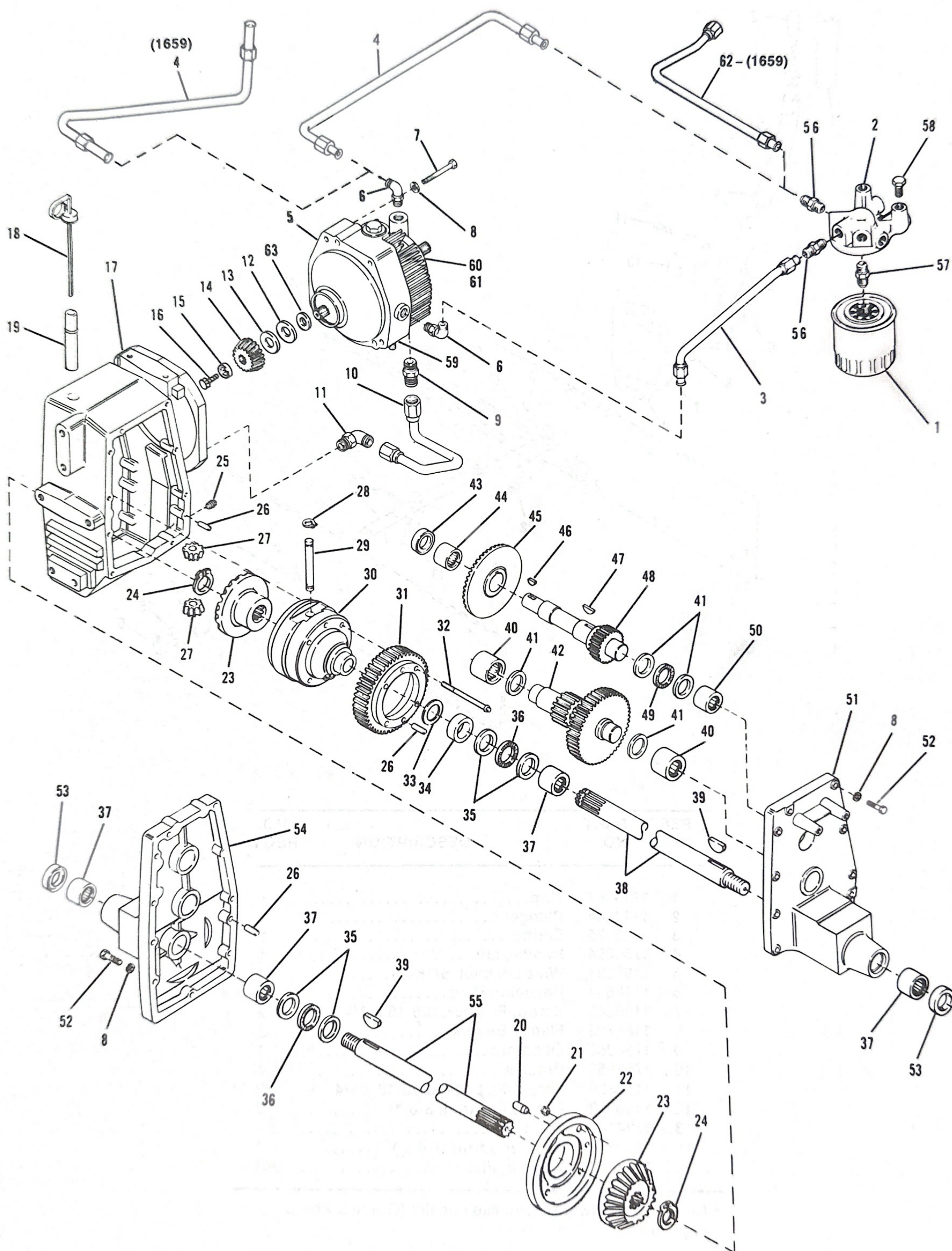
• Common Hardware-Purchase Locally (Grade 5 where applicable)



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1719267	Grip.....	1
2	1714644	Plunger	1
3	1713075	Spring	1
4	1755854	Handle, Lift	1
5	1186391	Whiz Locknut, 5/16-18.....	2
6	1118554	Retaining Ring.....	2
7	1186345	Screw, Fl. Lock, 3/8-16 x 3/4	2
8	1185728	Flange Bearing	2
9	1734262	Quadrant	1
10	1755853	Bracket	1
11	1186329	Screw, Fl. Lock, 5/16-18 x 3/4	2
12	1186393	Flange Locknut, 3/8-16	2
13	1734147	Shaft, Lift.....	1
14	1100279	Key, Woodruff, 1/4 x 1	1
15	1185816	Washer, Flat 1"	AR

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

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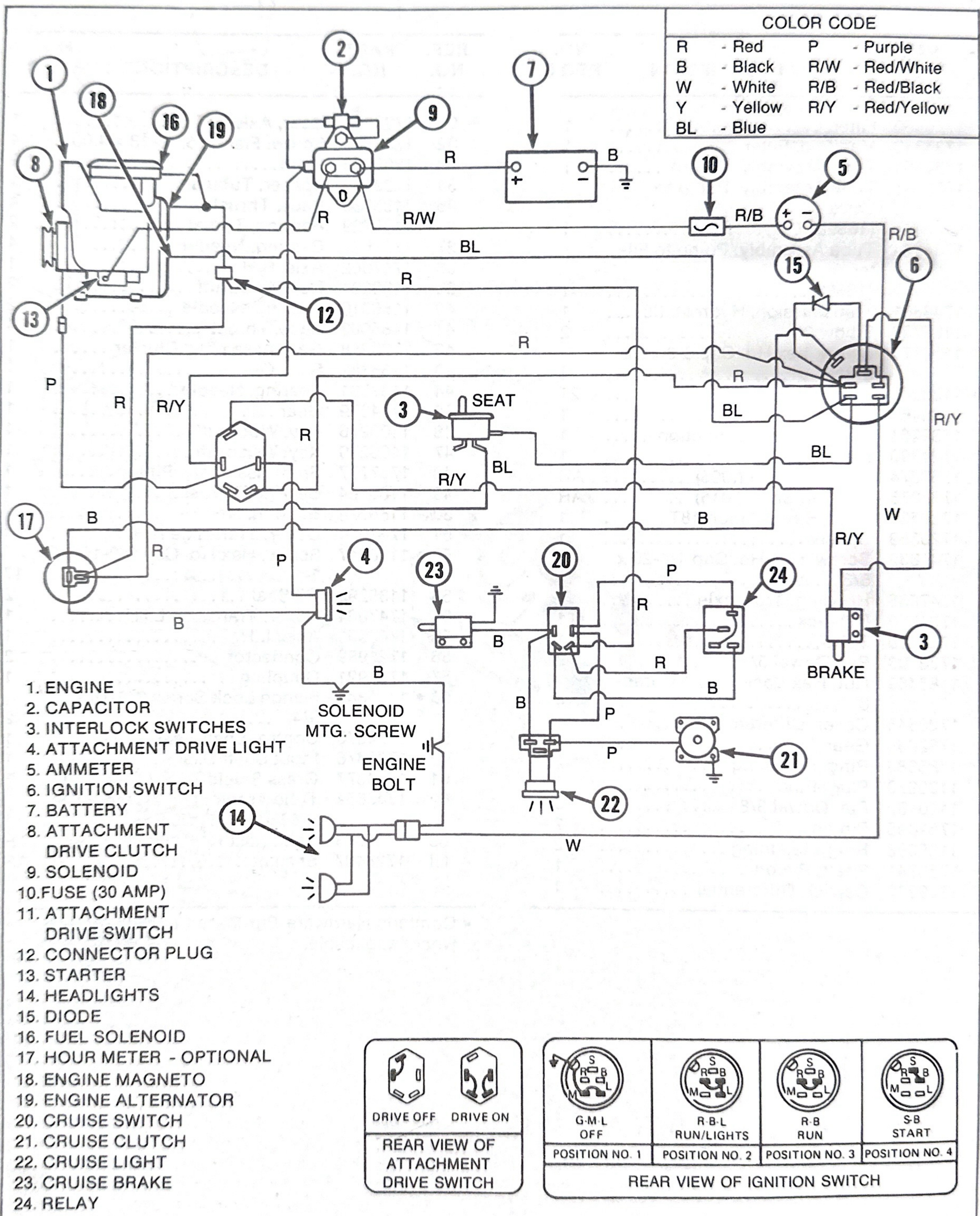
MODELS 1668 & 1668L

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1726450	Filter.....	1
2	1734345	Manifold, Filter	1
3	1734354	Tube Assembly, Return	1
4	1751198	Tube Assembly, Pump to Valve (1659L)	1
	1734144	Tube Assembly, Pump to Filter (1668).....	1
5	1743861	Transmission, Hydrostatic....	1
6	1185737	Elbow 90°	2
7 •	1100770	Screw, hex Hd. Cap 3/8-16 x 2-3/4	4
8 •	1100243	Washer, Lock 3/8	21
9	1186464	Connector	1
10	1729264	Tube Assembly, Suction	1
11	1724390	Elbow, 90°	1
12	1730374	Washer, Shim (.005)	AR
13	1730375	Washer, Shim (.015)	AR
14	1729531	Gear, Bevel Pinion 18T	1
15	1729559	Spacer	1
16	1741832	Screw, Hex Hd. Cap 1/4-20 x 5/8	1
17	1747086	Housing, Transaxle	1
18	1724092	Dipstick	1
19	1724090	Tube	1
20	1733103	Pin, Dowel 5/16.....	2
21	1186459	Nut, Hex Lock 5/16-18 Grade 8	4
22	1728645	Cover, Differential	1
23	1752094	Gear	2
24	1185689	Ring, Retaining	2
25	1185930	Plug, Pipe	1
26	1110189	Pin, Dowel 3/8	6
27	1752095	Pinion,	2
28	1185668	Ring, Retaining	2
29	1756741	Shaft, Pinion	1
30	1729972	Carrier, Differential	1

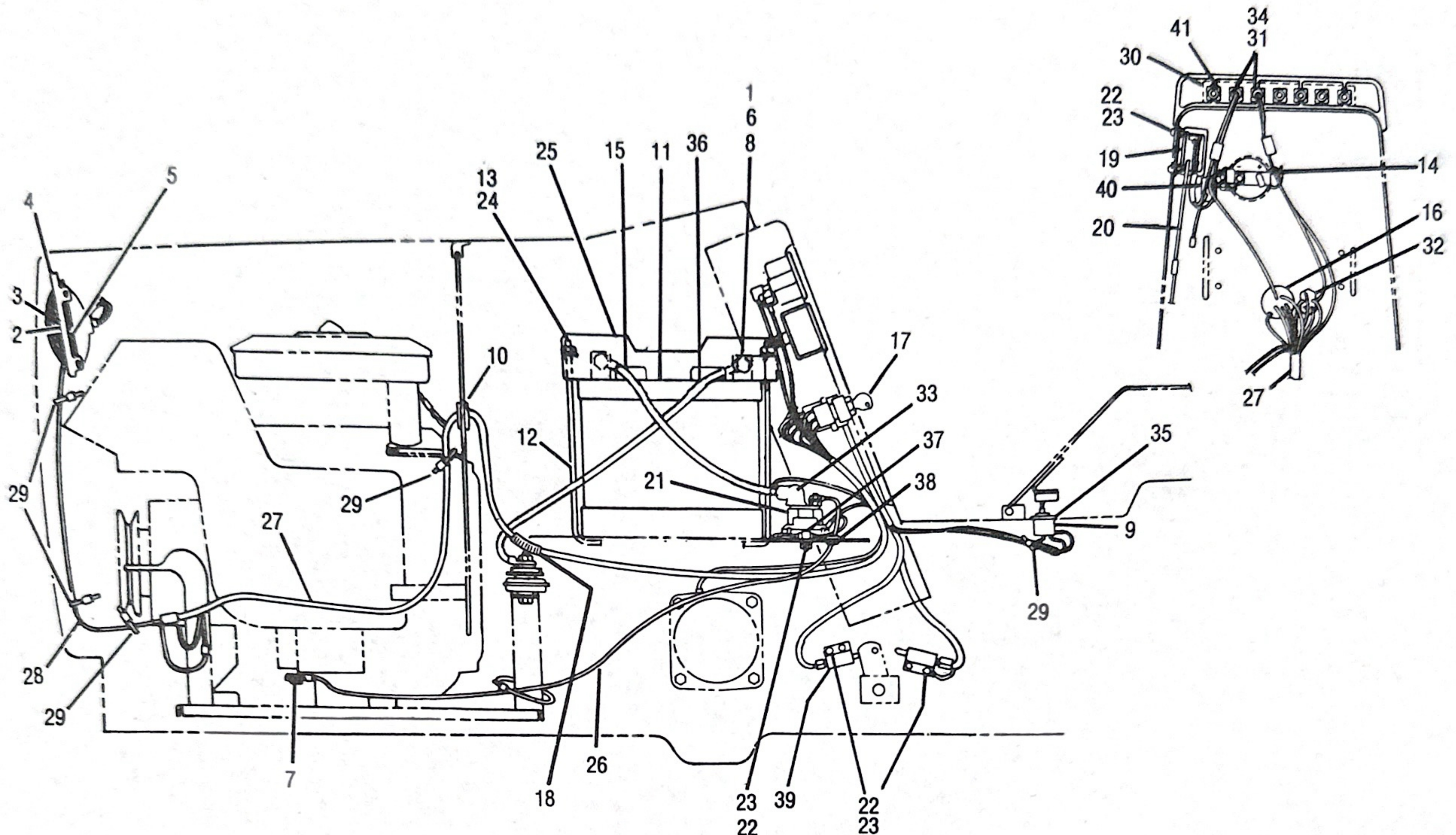
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
31	1729260	Gear, Axle 47T	1
32	1733684	Screw, Flange 5/16-18 x 4.00	4
33	1800338	Shim	AR
34	1729497	Spacer, Tubular	1
35	1185730	Race, Thrust	4
36	1185729	Bearing, Thrust	2
37	1727637	Bearing, Needle	4
38	1747062	Axle, R.H.	1
39	1100281	Key, Woodruff	2
40	1186010	Bearing, Needle	2
41	1186002	Race, Thrust	4
42	1729258	Gear Assembly, Cluster	1
43	1185882	Seal, Oil.....	1
44	1187731	Bearing, Needle	1
45	1724079	Gear	1
46	1100276	Key, Woodruff	1
47	1100279	Key, Woodruff	1
48	1757777	Shaft Assembly, Pinion.....	1
49	1185764	Bearing, Thrust.....	1
50	1185774	Bearing, Needle	1
51	1747074	Cover, Transaxle R.H.	1
52 •	1100047	Screw, Hex Hd. Cap 3/8-16 x 1-1/2	17
53	1185295	Oil Seal	2
54	1747064	Cover, Transaxle L.H.	1
55	1747061	Axle, L.H.	1
56	1721989	Connector	2
57	1721921	Coupling	1
58 •	1186345	Flange Lock Screw 3/8-16 x 3/4	2
59	1724370	Control Shaft Seal	1
60	1724376	Input Shaft Seal	1
61	1724377	Grass Shield	1
62	1749654	Tube Assembly, Filter to Valve (1668L)	1
63	1705093	Shim (.028)	AR
NI	1728407	Sealant	AR

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

WIRING DIAGRAM



MODELS 1668 & 1668L



REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1 •	1186229	Hex Nut 1/4-20	2
2	1727379	Rivet, Pop 3/16 x 5/8	4
3	1726435	Headlight	2
4	1806805	Plate, Retainer	2
5	1806808	Retainer	2
6 •	1100241	Lock Washer 1/4	2
7 •	1186389	Flange Nut 1/4-20	1
8 •	1111599	Hex Screw 1/4-20 x 5/8	2
9	1734366	Switch	1
10	1729587	Snap Bushing	1
11	1752840	Battery, 12 Volt	1
12	1752586	Hold Down Rod	2
13 •	1107381	Flat Washer 1/4	2
14	1739205	Ammeter 20-0-20	1
15	1756074	Cable, Battery Pos	1
16	1754183	Switch, Ignition	1
17	1753986	Key, Ignition	1
18	1752408	Plastic Tube	1
19	1745666	Relay	1
20	1749492	Cruise Harness	1
21	1740056	Solenoid	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
22 •	1115815	Screw, Phil. No. 10-24 x 5/8 ..	8
23 •	1185985	Nut, Keps Lock No. 10-24	8
24	1734398	Lock Nut 1/2-20	2
25	1755802	Battery, Hold Down	1
26	1732581	Cable, Starter	1
27	1750846	Harness Main	1
28	1727169	Harness Headlight	1
29	1805345	Cable, Tie	11
30	1749487	Sealing Strip	1
31	1748085	Lamp Assembly	1
32	1734356	Switch PTO	1
33	1715012	Electrical Nipple	1
34	1735285	Bulb (Mgf. No. GE 73)	2
35	1734472	Switch Seal	1
36	1756377	Cable, Battery Neg. to Engine Mount	1
37	1742113	Condensor	1
38	1749835	Flip Grommet	1
39	1748723	Push Button Switch	2
40	1732374	Switch, Cruise	1
41	1186020	Thd. Cutting Screw 6-32 x 3/8 ..	2

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