
Bolens[®]

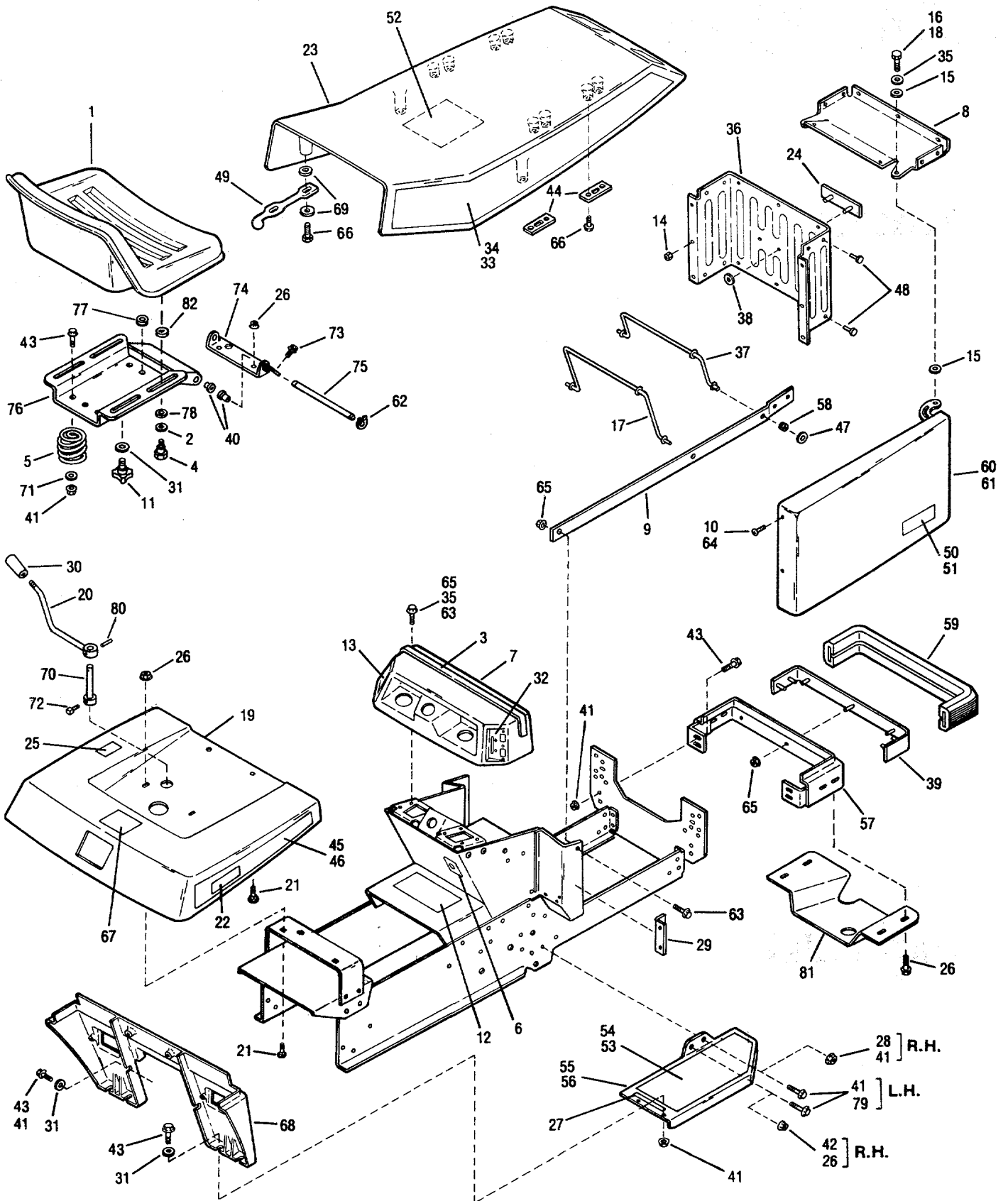
Tractor

Model 5117H (1700)

Serial Number 0200101
thru 0399999

Parts List

Bolens 17 HP Tractor



BODY WORK AND TRIM ASSEMBLY

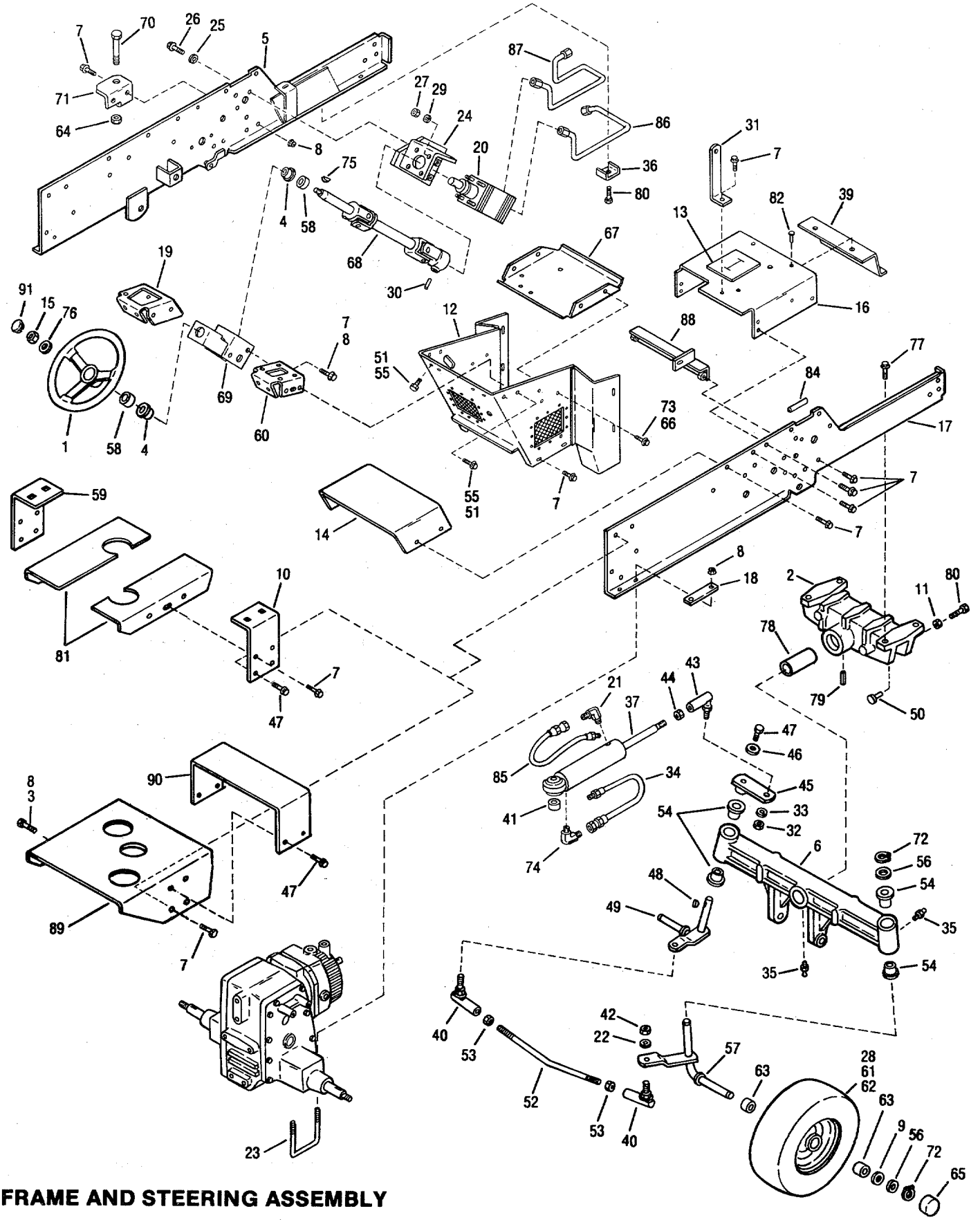
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1755490	Seat.....	1	42	1185872	Truss Screw 5/16-18 x 1	1
2	1705793	Nylon Washer	2	43	• 1186347	Fl. Lock Screw 3/8-16 x 1	12
3	1755516	Hood Pad	1	44	1752902	Hinge Link Retainer	4
4	1754125	Shoulder Bolt.....	2	45	1754624	Fender Decal R.H.	1
5	1755449	Spring	2	46	1754623	Fender Decal L.H.....	1
6	1755504	Decal, Ignition	1	47	1753799	Retainer	4
7	1755413	Instrument Panel.....	1	48	1739918	Pop Rivet.....	14
8	1755628BDG	Grille Cap	1	49	1727127	Latch	2
9	1754100BDG	Grille Support	2	50	1754794	Decal, Side Cover L.H.	1
10	• 1185986	Nut, Keps 10-24.....	4	51	1754795	Decal, Side Cover R.H.	1
11	1731269	Knob	2	52	1753426	Instr. Decal, Service	1
12	1755501	Instruction Decal	1	53	1752893	Foot Rest Pad L.H.	1
13	1752846	Decal, Choke	1	54	1752894	Foot Rest Pad R.H.	1
14	• 1185985	Nut, Keps 10-24.....	6	55	1752250BOW	Foot Rest L.H.	1
15	1755714	Washer, Nylon	4	56	1752251BOW	Foot Rest R.H.	1
16	• 1100805	Hex Screw 1/4-20 x 3/4	2	57	1753921	Grille Support Assembly.....	1
17	1752901	Hinge Link	1	58	1753792	Grommet.....	4
18	1734398	Lock Nut 1/4-20.....	2	59	1755518	Bumper	1
19	1749821BDG	Fender	1	60	1755492BDG	Side Cover Assembly, L.H.....	1
20	1756510	Lever Shaft Ass'y	1	61	1755494BDG	Side Cover Ass'y, R.H.....	1
21	1736098	Carr. Bolt 5/16-18 x 3/4	4	62	1185257	Retaining Ring.....	2
22	1754629	Model Decal	2	63	• 1186309	Fl. Lock Screw 1/4-20 x 5/8	6
23	1752142	Hood.....	1	64	• 1115815	Screw 10-24 x 5/8	4
24	1753939	Logo Plate.....	1	65	• 1186389	Fl. Lock Nut 1/4-20	13
25	1755502	Decal - 2-Speed.....	1	66	• 1185130	Fl. Lock Screw 10-24 x 3/4	8
26	• 1186391	Fl. Lock Nut 5/16-18.....	9	67	1754520	Decal, Fuel Fill	1
27	1755522	Cushion.....	2	68	1749074	Supp. Running Board	1
28	• 1100068	Hex Screw 3/8-16 x 1.....	1	69	• 1736359	Flat Washer #10.....	4
29	1756061BDG	Cover Support	1	70	1756204	Shaft Ass'y, Shift.....	1
30	1755473	Control Knob	1	71	1701055	Flat Washer 3/8	2
31	• 1100256	Flat Washer 3/8	8	72	1738845	Sq. Hd. Set Screw 1/4-20 x 1/2	1
32	1753413	Throttle Decal	1	73	• 1186329	Fl. Lock Screw 5/16-18 x 3/4	2
33	1754621	Hood Decal, L.H.....	1	74	1755456STB	Seat Pivot Bracket	1
34	1754622	Hood Decal, R.H.	1	75	1755622	Rod	1
35	• 1107381	Flat Washer 1/4	6	76	1755620STB	Seat Support Assembly.....	1
36	1755515BDG	Grille Screen	1	77	1755487	Grommet	1
37	1752900	Hinge Link	1	78	1706782	Wave Washer	2
38	1754126	Push Nut	2	79	• 1186345	Fl. Screw 3/8-16 x 3/4	2
39	1755517	Bumper Strap.....	1	80	1120210	Drive Pin 3/16 x 1	1
40	1185779	Bushing	4	81	1757393BDG	Heat Shield	1
41	• 1186393	Fl. Lock Nut 3/8-16.....	18	82	1893445	Washer (3)	2

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

(2) Serial Number 0200101 thru 0299999

(3) Serial Number 0300101 thru 0399999

Bolens 17 HP Tractor



FRAME AND STEERING ASSEMBLY

Model 5117H

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1754240	Wheel, Steering (2)	1	46	1186033	Flat Washer 5/16	1
	1758585	Wheel, Steering (3)	1	47	• 1186329	Fl. Screw 5/16-18 x 3/4	5
2	1754321	Bolster	1	48	1186034	Woodruff Key 1/4 x 7/8	1
3	• 1186347	Fl. Screw 3/8-16 x 1	2	49	1752518	Spindle Ass'y L.H. Wheel	1
4	1186332	Bearing, Steering	2	50	1751219	Weld Pin	2
5	1755512BDG	Frame Ass'y, L.H.	1	51	1185872	Screw, Truss Hd. 5/16-18 x 5/8	6
6	1752521	Front Axle (2)	1	52	1746138	Tie Rod	1
	1757627	Front Axle (3)	1	53	• 1186247	Hex Nut 1/2-20	2
7	• 1186345	Fl. Screw 3/8-16 x 3/4	24	54	1752556	Fl. Bearing	4
8	• 1186393	Fl. Nut, 3/8-16	14	55	• 1186391	Fl. Nut 5/16-18	6
9	1715491	Thrust Washer	2	56	1703073	Washer	3
10	1749843BDG	Support R.H. (A)	1	57	1752520	Spindle Ass'y R.H. Wheel	1
11	1186258	Jam Nut 5/16-18	2	58	1800417	Locking Collar	2
12	1755485BDG	Instr. Panel Support	1	59	1755481	Support Fender, L.H. (A)	1
13	1755231	Seal	1	60	1753777BDG	Steering Bracket	1
14	1752732BDG	Tunnel Ass'y	1	61	1744372	Wheel Ass'y (A)	2
15	• 1110108	Nut, Lock 3/8-16	1		1756525	Wheel Ass'y (B)	2
16	1752698BDG	Support Ass'y Battery & Fuel Tank	1	62	1742927	Tire, 16 x 6.50-8	2
	1752701BDG	Frame Ass'y, R.H.	1	63	1744375	Ball Bearing (A)	4
17	1730692BDG	Doubler, Rear	2		1756524	Ball Bearing (B)	4
18	1755461	Steering Bracket	1	64	1110112	Hex Nut 5/8-11	1
19	1752496BDG	Steering Pump	1	65	1744396	Dust Cap	2
20	1756142	Elbow, 90°	1	66	• 1186308	Fl. Screw 1/4-20 x 1/2	4
21	• 1100245	Washer, Lock 1/2	2	67	1752733BDG	Battery Carrier	1
22	1727898	"U" Bolt	2	68	1752222	Steering Shaft Ass'y	1
23	1752763BDG	Steering Pump Supp.	1	69	1753773	Steering Support, Upper	1
24	• 1100244	Lock Washer 7/16"	3	70	1107073	Hex Screw 5/8-11 x 3	1
25	1747656	Hex Screw 7/16-14 x 1	3	71	1751629BDG	Cylinder Bracket	1
26	• 1186211	Hex Nut 5/16-24	4	72	1185689	Retaining Ring	3
27	1718086	Valve	2	73	• 1186389	Fl. Nut 1/4-20	4
28	• 1100242	Lock Washer 3/8	4	74	1185739	Elbow, 90°	1
29	1185348	Roll Pin 1/4 x 1-1/4	1	75	1104436	Woodruff Key 3/16 x 3/4	1
30	1756150BDG	Steering Brace	1	76	• 1107383	Flat Washer 3/8	1
31	1186216	Hex Nut 5/8-18	1	77	• 1186347	Fl. Screw 3/8-16 x 1	7
32	• 1100247	Lock Washer 5/8	1	78	1744374	Tube Pivot	1
33	1754364	Hose Ass'y	1	79	1733103	Roll Pin 5/16 x 3/4	1
34	1185976	Fitting, Grease Thd. Form	3	80	• 1100045	Hex Hd. Screw 5/16-18 x 1	3
35	1722667	Clamp	1	81	1749075	Fuel Tank Support (A)	2
36	1751627BDG	Cylinder	1	82	1185879	Pop Rivet	2
37	1753851BDG	Air Shield	1	84	1752694	Trim	2
38	1713361	Ball Joint	2	85	1752649	Hose Ass'y	1
39	1863072	Sleeve	1	86	1752658	Tube Ass'y (Cyl. to R.T.)	1
40	• 1110152	Lock Nut 1/2-20	2	87	1752657	Tube Ass'y (Cyl. to L.T.)	1
41	1719003	Ball Joint	1	88	1755200	Support, Frame Ass'y	1
42	• 1186249	Hex Nut 5/8-18	1	89	1756512BDG	Support, Fuel Tank (B)	1
43	1752797	Steering Arm Ass'y	1	90	1756513BDG	Support, Fuel Tank (B)	1

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

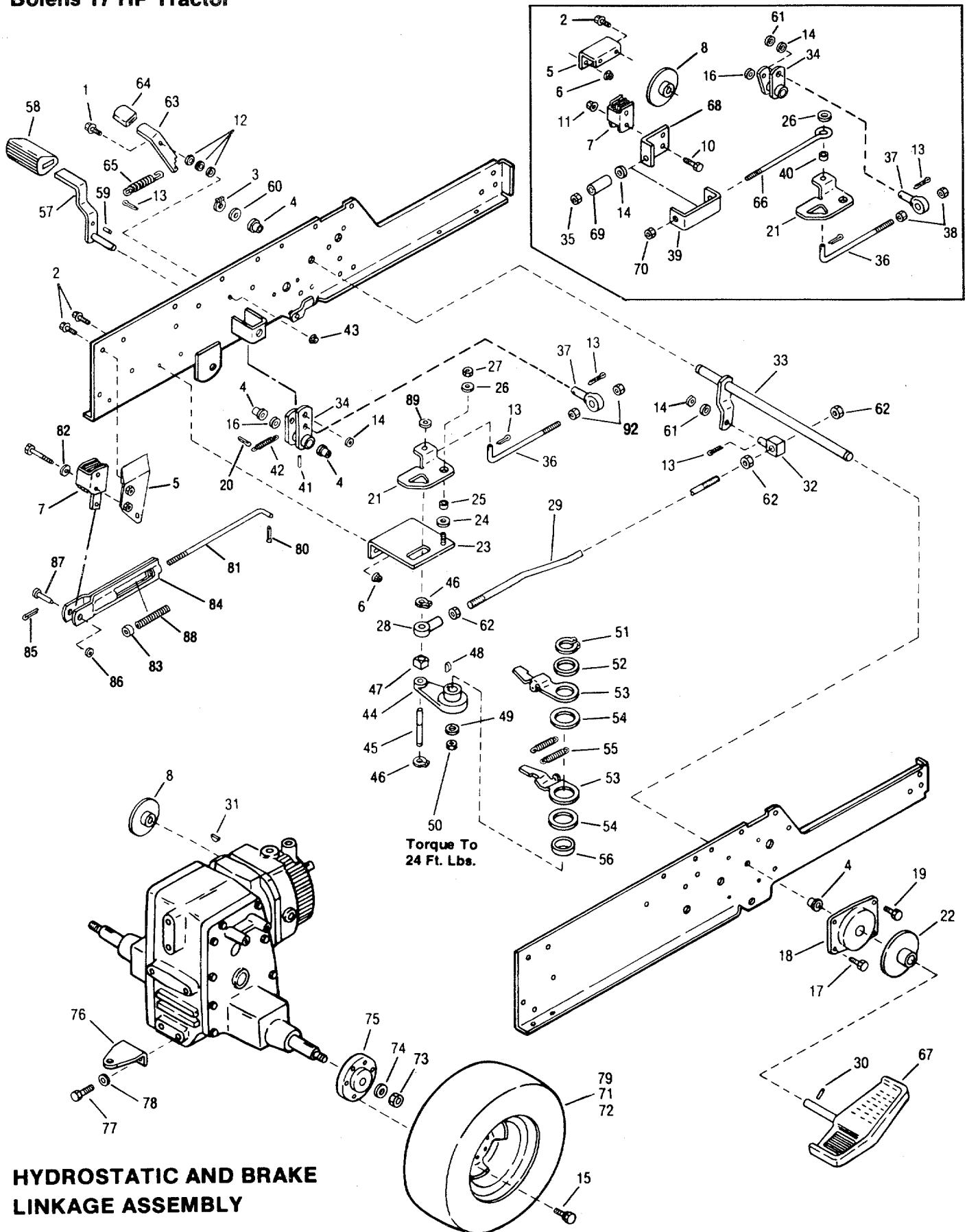
(A) Serial Number 0200101 thru 0200598

(B) Serial Number 0200599 thru 0299999

(2) Serial Number 0200101 thru 0299999

(3) Serial Number 0300101 thru 0399999

Bolens 17 HP Tractor



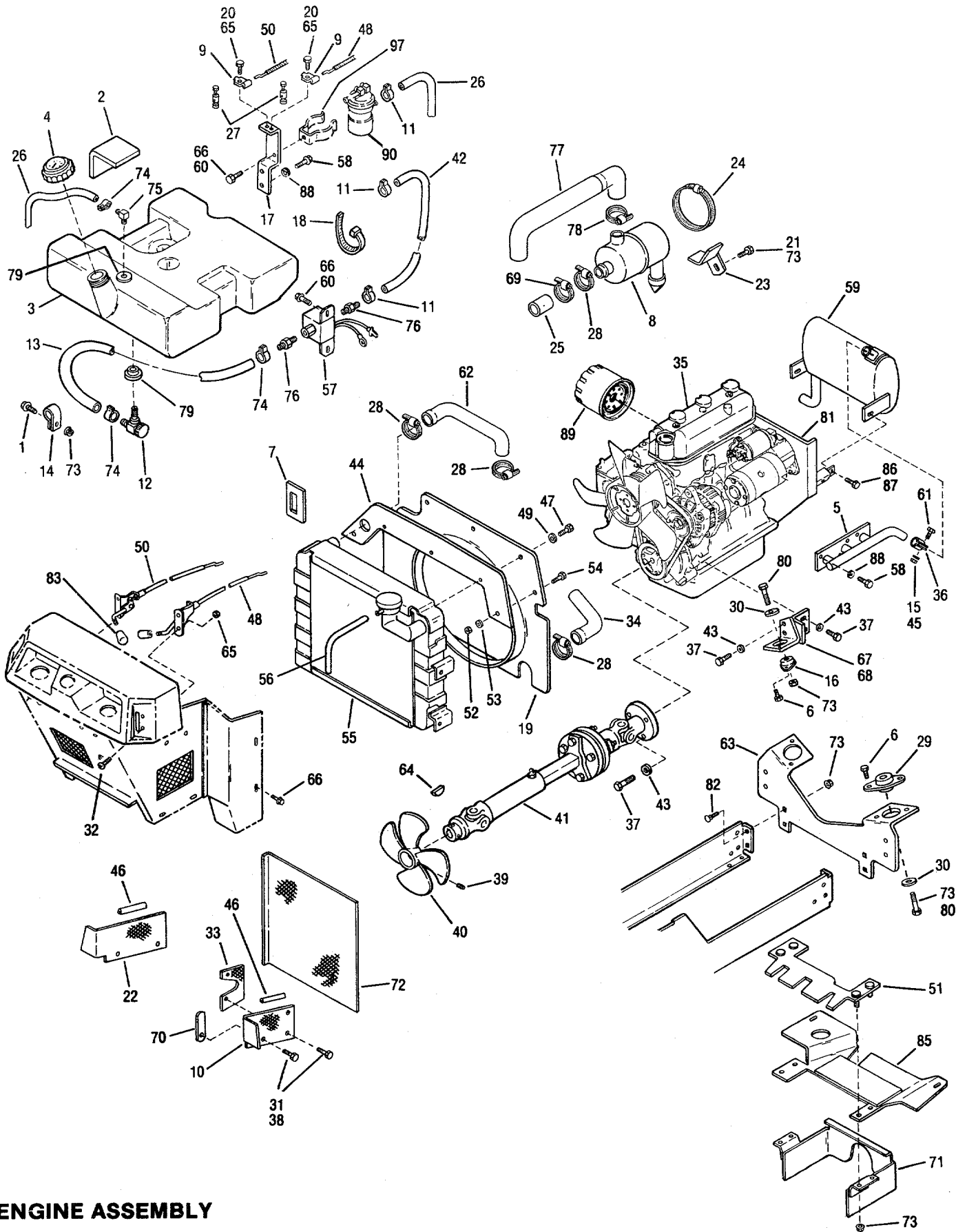
Model 5117H

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1186347	Screw, Hex Hd. Flange Lock 3/8-16 x 1	1	42	1700401	Spring, Extension (2)	1
2	1186345	Screw, Hex Hd. Flange Lock 3/8-16 x 3/4	6		1746769	Spring, Extension (3)	1
3	1118808	Ring, Retainer	1	43	• 1733398	Locknut 3/8-16	1
4	1185802	Bearing, Flanged	4	44	1722151	Arm, Speed Control	1
5	1747060BDG	Bracket, Transmission Support (2)	1	45	1734563	Pin, Control	1
	1757390BDG	Bracket, Transmission Support (3)	1	46	1118802	Ring, Retaining	2
6	1186393	Nut, Hex Flange Lock 3/8-16	4	47	1720699	Block, Cushion	1
7	1732361	Brake Assembly, Mechanical	1	48	1104435	Key, Woodruff	1
8	1747055	Disc Assembly, Brake (2)	1	49	• 1107385	Washer, Flat-1/2	1
	1756816	Disc Assembly, Brake (3)	1	50	• 1110110	Nut, Hex 1/2-13	1
10	• 1100805	Screw, Hex Hd. cap 1/4-20 x 3/4 (2)	2	51	1185732	Ring, Retaining	1
11	1186389	Nut, Hex Flange Lock 1/4-20(2)	2	52	1720529	Washer, Thrust	1
12	• 1107383	Flat Washer 3/8	3	53	1720523	Arm, Neutralizer	2
13	• 1100346	Pin, Cotter 3/32 x 3/4	4	54	1720361	Washer, Thrust	2
14	• 1107382	Washer Flat 5/16	3	55	1720928	Spring, Extension	2
15	0101085	Bolt Hub	10	56	1720706	Bearing	1
16	1716495	Spacer (2)	1	57	1755510	Pedal Assembly, Brake	1
17	1738463	Thd. Form Screw	2	58	1728694	Foot Rest	1
18	1738462	Clutch	1	59	1120209	Pin, Roll 3/16 x 3/4	1
19	1185130	Screw, Sems 10-24 x 3/4	1	60	1715301	Thrust Washer	AR
20	• 1100350	Cotter Pin 1/8 x 1	1	61	1705108	Washer	2
21	1729213	Plate, Neutral	1	62	1186246	Nut, Hex 7/16-20	3
22	1738447	Speed Control Disc	1	63	1729683BDG	Lock, Brake	1
23	1729445	Support Assembly, Neutral Plate	1	64	1734553	Grip	1
24	1703052	Washer, Flat	1	65	1726640	Spring, Extension	1
25	1732369	Spacer, Tubular	1	66	1747495	Brake Rod (2)	1
26	• 1107383	Washer, Flat 3/8	1	67	1754597BDG	Foot Pedal	1
27	• 1110108	Nut, Hex Lock 3/8	1	68	1747496	Ext. Brake Arm (2)	1
28	1721612	Rod End	1	69	1747494	Sleeve (2)	1
29	1747514	Rod, Speed Control	1	70	• 1110107	Lock Nut, 5/16-18 (2)	1
30	1185232	Pin Roll 1/8 x 1-1/4	1	71	1732926	Tire, 23 x 10.50 x 12	2
31	1104436	Woodruff Key	1	72	1718086	Valve Stem	2
32	1734827	Swivel (2)	1	73	1120390	Hex Nut 3/4-10	2
	1751848	Swivel (3)	1	74	1708599	Spacer	2
33	1754085	Shaft Assembly, Speed Control	1	75	1747088	Wheel Hub	2
34	1753139	Arm Assembly (2)	1	76	1724698	Drawbar Hitch	1
	1756812	Arm Assembly (3)	1	77	• 1100055	Hex Screw 1/2-13 x 1-1/4	2
35	• 1186230	Jam Nut 5/16-18	1	78	• 1100245	Lock Washer 1/2	2
36	1759491	Rod, Brake Control (2)	1	79	1724718	Rim Assembly	2
	1757921	Rod, Brake Control (3)	1	80	• 1100349	Cotter Pin 1/8 x 3/4 (3)	1
37	1747507	Block, Pivot	1	81	1757504	Rod, Brake (3)	1
38	• 1186259	Nut, Hex 3/8-16 (2)	2	82	• 1100243	Washer, Lock (3)	2
39	1748372	Brake Return (2)	1	83	1757246	Nut, Special (3)	1
40	1747497	Spacer (2)	1	84	1757503	Yoke Ass'y (3)	1
41	1732147	Pin, Drive Lock	1	85	• 1187385	Cotter Pin 1/16 x 1/2 (3)	1
				86	• 1107387	Washer, Flat 1/4 (3)	1
				87	1757599	Pin, Clevis (3)	1
				88	1757501	Spring Comp. (3)	1
				89	• 1100254	Washer, Flat 1/4 (3)	1

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

(2) Serial Number 0200101 thru 0299999
 (3) Serial Number 0300101 thru 0399999

Bolens 17 HP Tractor



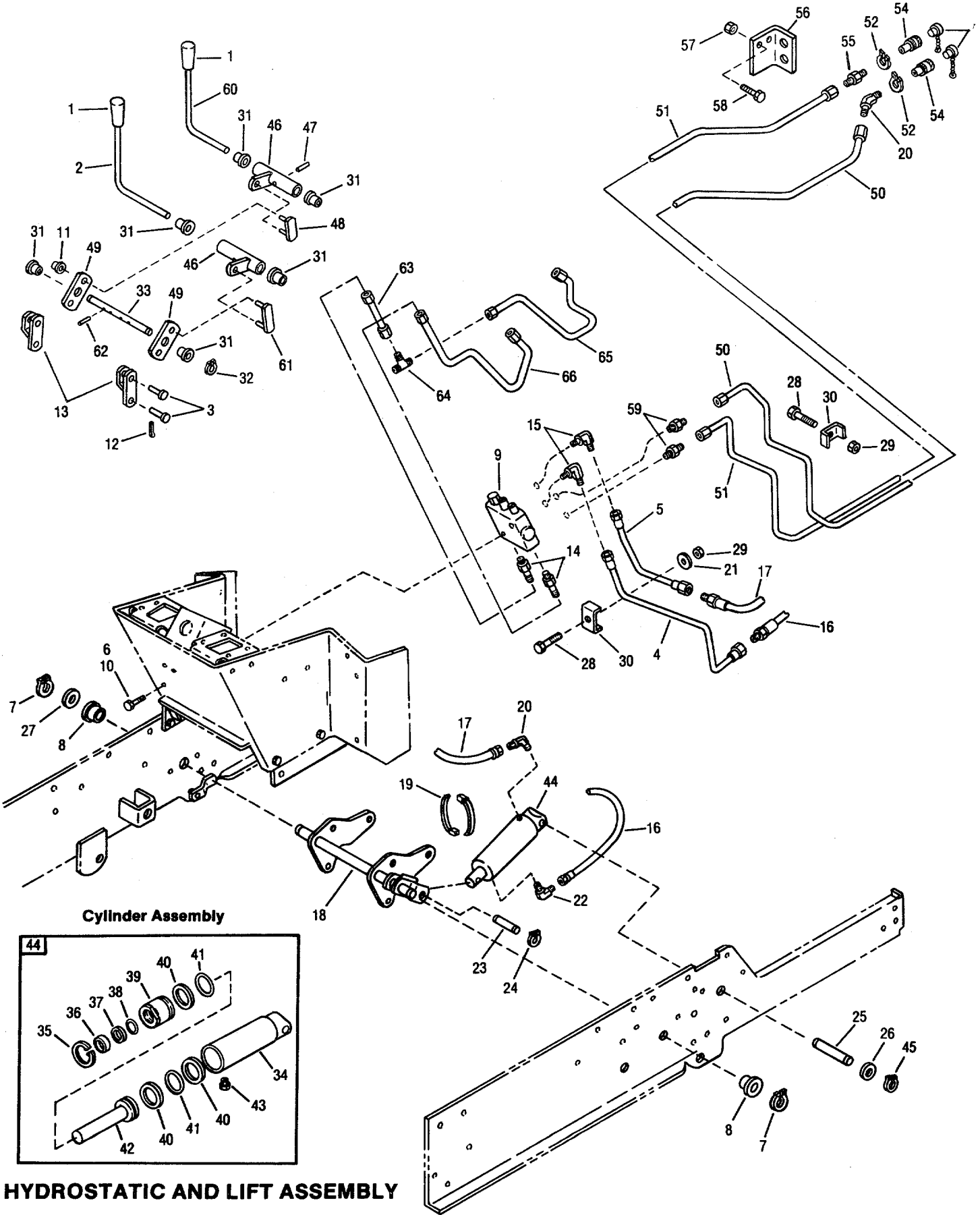
ENGINE ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1186345	Fl. Screw 3/8-16 x 3/4	8	46	1754204	Trim	2
2	1749079	Fuel Tank Pad	2	47	1111599	Hex Hd. Screw 1/4-20 x 5/8	3
3	1755889	Fuel Tank (Incl. Ref. #4)	1	48	1755722	Throttle Control	1
4	1755726	Fuel Tank Cap	1	49	• 1107381	Flat Washer 1/4	3
5	1752537BDG	Exhaust Manifold	1	50	1755723	Shut Off Control	1
6	1740496	Screw, Thd Cut 5/16-18 x 5/8	8	51	1756259BDG	Heat Shield	1
7	1754200	Air Seal	1	52	1734398	Lock Nut 1/4-20	4
8	1752696	Air Cleaner	1	53	1716233	Flat Washer 1/4	4
	1752695	Air Filter (Only)	1	54	• 1100805	Hex Head Screw 1/4-20 x 3/4	2
9	1713801	Clip	2	55	1753844	Radiator	1
10	1753847BDG	Rear Screen, R.H.	1	56	1756060	Water Line	1
11	1755166	Hose Clamp	3	57	1743165	Fuel Pump	1
12	1747184	Shut Off Valve	1	58	1756212	Hex Screw M8-1.25 x 20	8
13	1760219	Fuel Line	1	59	1755215	Muffler	1
14	1732262	Clamp	1	60	1186389	Fl. Nut 1/4-20	3
15	• 1107382	Flat Washer 5/16	1	61	• 1186102	Carriage Bolt 5/16-18 x 1-1/4	1
16	1751887	Rear Mount	2	62	1752573	Upper Radiator Hose	1
17	1753398BDG	Filter/Cable Bracket	1	63	1752670BDG	Front Plate	1
18	1735531	Cable Tie	4	64	1185885	Woodruff Key 3/16 x 5/8	1
19	1753853	Fan Shroud	1	65	• 1185985	Keps Nut 10-24	4
20	1185130	Sems Screw 10-24 x 3/4	2	66	1186308	Fl. Screw 1/4-10 x 1/2	7
21	1186347	Fl. Screw 3/8-16 x 1	1	67	1755430BDG	Rear Engine Support R.H.	1
22	1753846BDG	Top Screen L.H.	1	68	1755428BDG	Rear Engine Support L.H.	1
23	1755557BDG	Air Cleaner Support	1	69	1721452	Hose Clamp	1
24	1740083	Clamp	1	70	1755571	Flat Strip	1
25	1752571	Hose, Air Cleaner	1	71	1756157BDG	PTO Guard Ass'y	1
26	1754234	Fuel Line	1	72	1753848BDG	Radiator Screen	1
27	1737564	Swivel Ass'y	2	73	1186393	Fl. Nut 3/8-16	14
28	1719167	Hose Clamp	5	74	1750687	Hose Clamp	3
29	1752748	Front Mount	2	75	1752789	Elbow Fitting	1
30	• 1186047	Flat Washer 3/8	4	76	1707369	Fuel Fitting	2
31	• 1185986	Speed Nut	6	77	1752572	Inlet Air Cleaner Hose	1
32	1750962	Fl. Screw 10-24 x 5/8	4	78	1721452	Hose Clamp	1
33	1754199BDG	Front Screen, R.H.	1	79	1738433	Rubber Bushing	2
34	1752574	Lower Radiator Hose	1	80	• 1100086	Hex Screw 3/8-16 x 1-3/4	4
35	*	Mitsubishi Engine 15.5 HP (Model L3A-61BG)	1	81	1755426	Engine Mtg. Plate Ass'y	1
36	1752790	Muffler Clamp	1	82	1739656	Carr. Bolt 3/8-16 x 3/4	4
37	1754236	Hex Screw M10x1.25 x 20	11	83	1755412	Knob	2
38	1750089	Hex Screw 10-24 x 1/2	6	84	1186291	Fl. Screw 10-24 x 3/8	2
39	1737419	Set Screw 5/16-18 x 3/4	2	85	1755218	Heat Shield Ass'y	1
40	1746503	Fan	1	86	1186391	Fl. Nut 5/16-18	2
41	1752570BDG	Drive Shaft	1	87	1186329	Fl. Screw 5/16-18 x 3/4	2
42	1754233	Fuel Line	1	88	• 1100242	Lock Washer 5/16	8
43	• 1100244	Lock Washer, 7/16	11	89	1874139	Oil Filter	1
44	1753395	Hood Seal	1	90	1850128	Fuel Filter	1
45	• 1110107	Hex Locknut, 5/16-18	1	91	1875660	Clamp	1
				92	1186258	Nut, Jam, 5/16-18	2

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

* Order parts from your Authorized Bolens Dealer

Bolens 17 HP Tractor



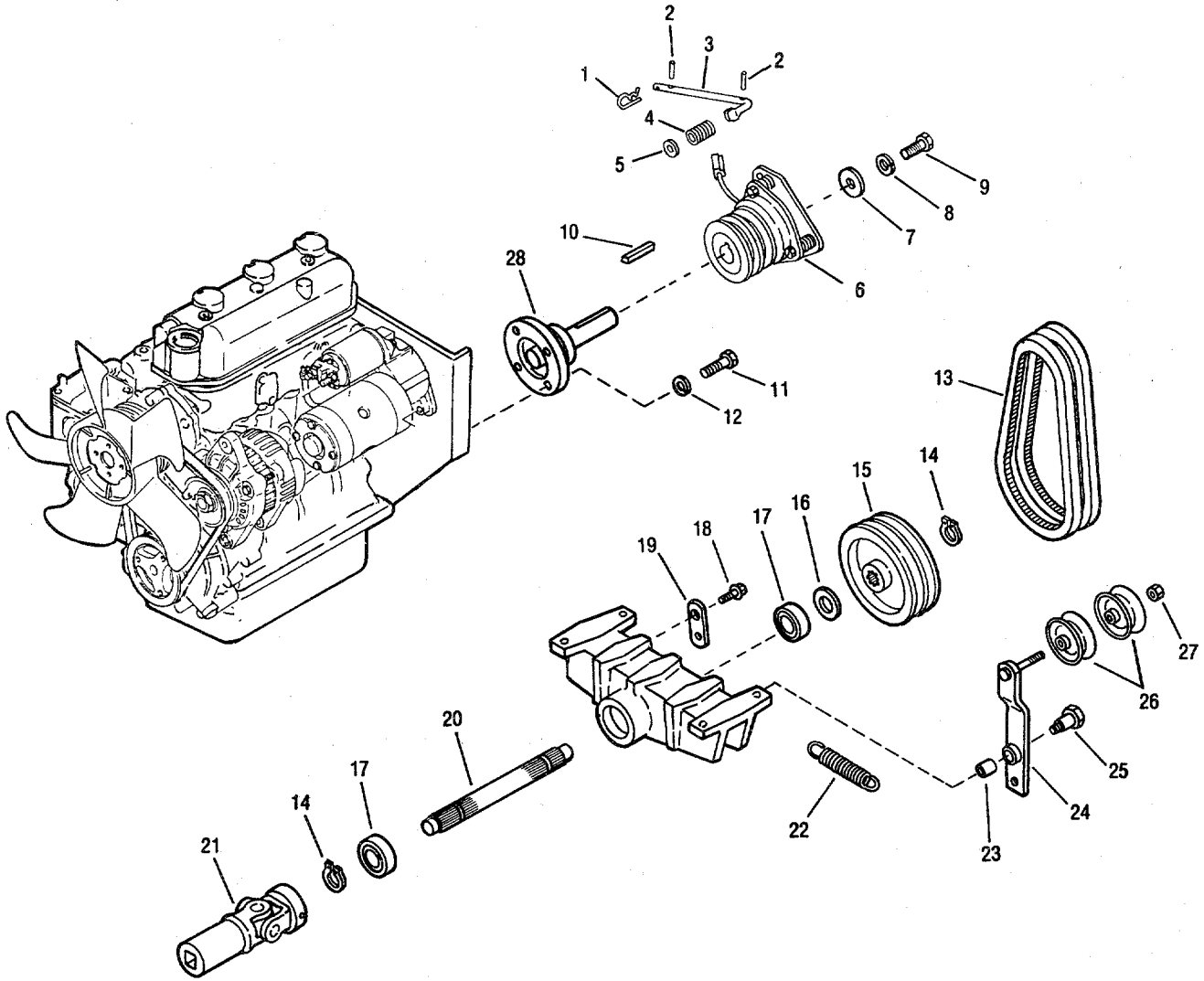
HYDROSTATIC AND LIFT ASSEMBLY

Model 5117H

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1755473	Grip	2	35	1118735	Ring, Internal Retaining	1
2	1755460	Lift Lever	1	36	1185266	Seal, Oil	1
3	1755559	Clevis Pin	4	37	1186019	Ring, Back Up	1
4	1755232	Tube Ass'y, Upper Valve	1	38	1177395	O-Ring	1
5	1755233	Tube Ass'y, Lower Valve	1	39	1724511	Head, Cylinder	1
6	• 1186316	Hex Screw 1/4-20 x 2	2	40	1186018	Ring, Back Up	3
7	1118554	Retaining Ring	2	41	1186017	O-Ring	2
8	1185728	Bushing	2	42	1747043	Rod Assembly Hydraulic Cylinder	1
9	1752668	Valve	1	43	1186278	Plug, Pipe	2
	1754414	Replacement Seal Kit	1	44	1747509	Cylinder Assembly, Hydraulic (Incl. Ref. No. 34 thru 43)	1
10	• 1186389	Fl. Nut 1/4-20	2	45	1113527	Ring, Retaining	2
11	1708072	Push Nut 1/4	4	46	1755472	Control Arm Ass'y	2
12	• 1187385	Cotter Pin 1/16 x 1/2	4	47	1713457	Drive Pin	2
13	1755468	Valve link Ass'y	2	48	1755464	Control Link Ass'y	1
14	1752690	Connector (Long)	2	49	1755469	Rocker Arm	2
15	1185737	Elbow 90°	2	50	1755239	Tube Ass'y Upper Valve	1
16	1752648	Hose Ass'y	1	51	1755238	Tube Ass'y Lower Valve	1
17	1755198	Hose Ass'y, Cylinder	1	52	1180025	Retaining Ring	2
18	1747510	Shaft Ass'y, Lift	1	53	1720733	Dust Plug	2
19	1755531	Tie Cable	3	54	1863870	Coupling, Body	2
20	1185903	Elbow 45°	2	55	1721989	Connector	1
21	1701055	Flat Washer 5/16	1	56	1747803BDG	Bracket	1
22	1185739	Elbow 90°	1	57	• 1186393	Fl. Locknut 3/8-16	2
23	1747512	Cylinder Rod Pin	1	58	• 1100046	Hex Screw 3/8-16 x 1	2
24	1118808	Retaining Ring	2	59	1177563	Connector	2
25	1724703	Cylinder Anchor Pin	1	60	1745459	Lever, Control	1
26	1708012	Flat Washer 3/4	1	61	1755466	Link Ass'y	1
27	1185816	Washer	AR	62	1737015	Drive Pin	4
28	• 1100045	Hex Screw 5/16-18 x 1	2	63	1752663	Tube Ass'y	1
29	• 1110107	Lock Nut 5/16-18	2	64	1185904	Tee	1
30	1722667	Tube Clamp	2	65	1755235	Tube Ass'y (Tee to OUT)	1
31	1737018	Flange Bearing	6	66	1755234	Tube Ass'y (Valve to AUX)	1
32	1185427	Retaining Ring	2				
33	1755458	Pivot Pin	1				
34	1729388	Tube Assembly, Hydraulic Cylinder	1				

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

Bolens 17 HP Tractor



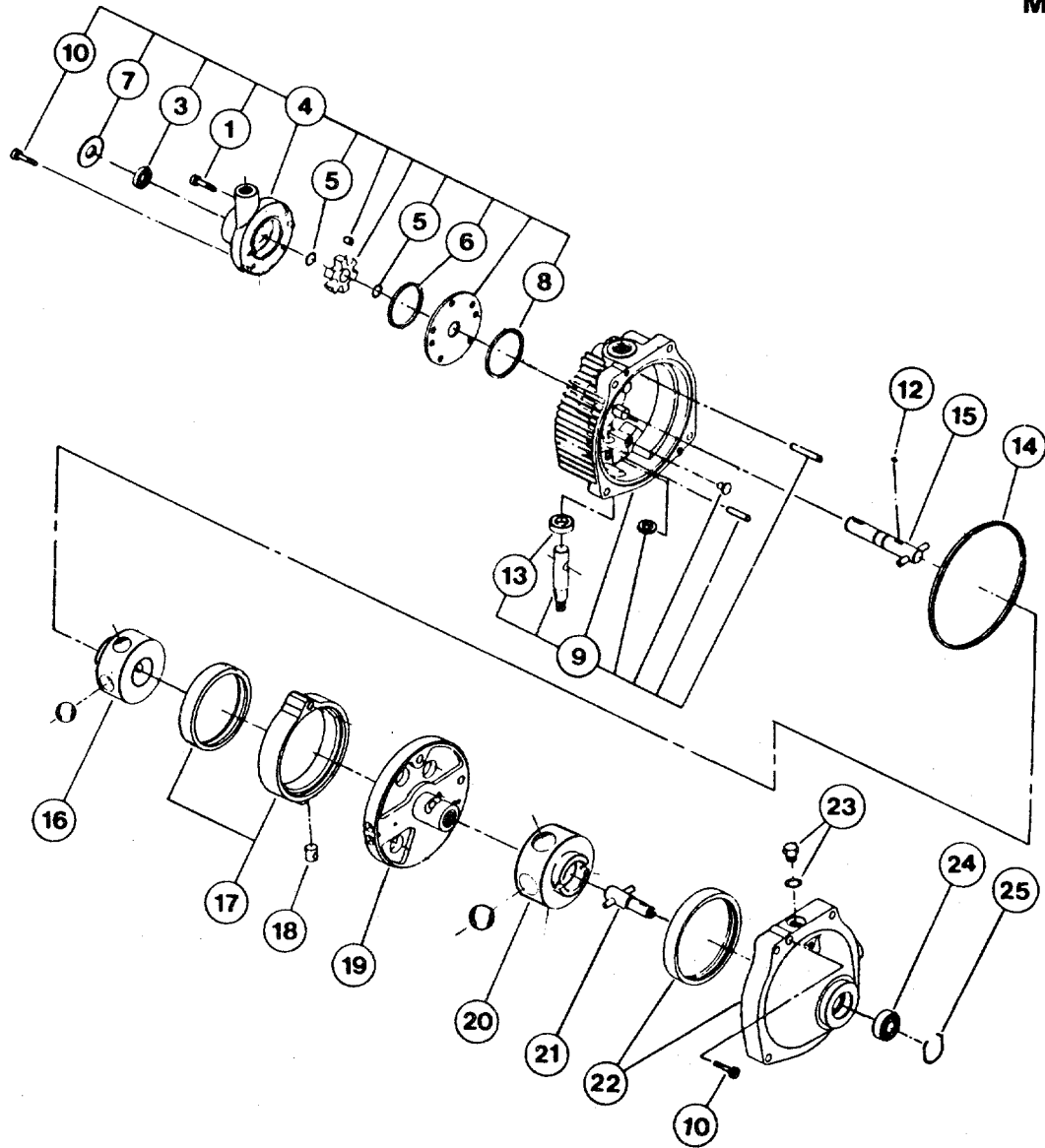
REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1717897	Hair Pin	1	16	1703073	Flat Washer	AR
2	1185389	Roll Pin 5/32 x 3/4	2	17	1725087	Ball Bearing	2
3	1752860	Rod, Electric Clutch	1	18	1186329	Fl. Screw 5/16-18 x 3/4	1
4	1751691	Spring, Comp.	1	19	1744451BDG	Arm, Spring Anchor	1
5	• 1107384	Flat Washer 7/16	1	20	1755219	PTO Sheave	1
6	1750685	Electric Clutch	1	*21	1760049BDG	Universal Joint Ass'y	1
7	1741801	Flat Washer	1	22	1724822	Ext. Spring	1
8	• 1100244	Lock Washer 7/16	1	23	1892945	Bushing	1
9	1736485	Hex Screw 7/16-20 x 1-1/4	1	24	1751719BDG	Idler Arm Ass'y (2)	1
10	1104338	Sq. Key 1/4 x 2"	1		1756788BDG	Idler Arm Ass'y (3)	1
11	1860240	Hex Screw M10 x 1.25 x 25	4	25	1754322	Shoulder Bolt	1
12	• 1100243	Lock Washer 3/8	4	26	1751716	Idler Sheave (2)	2
13	1752751	V-Belt (Set of 2)	1		1756757	Idler Sheave (3)	2
14	1185689	Retaining Ring	2	27	1186259	Jam Nut 3/8-16	1
15	1744379BDG	PTO Sheave	1	28	1752585	Shaft Extension Ass'y	1

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

(2) Serial Number 0200101 thru 0299999

(3) Serial Number 0300101 thru 0399999

* 1714208 Repair Kit for U-Joint



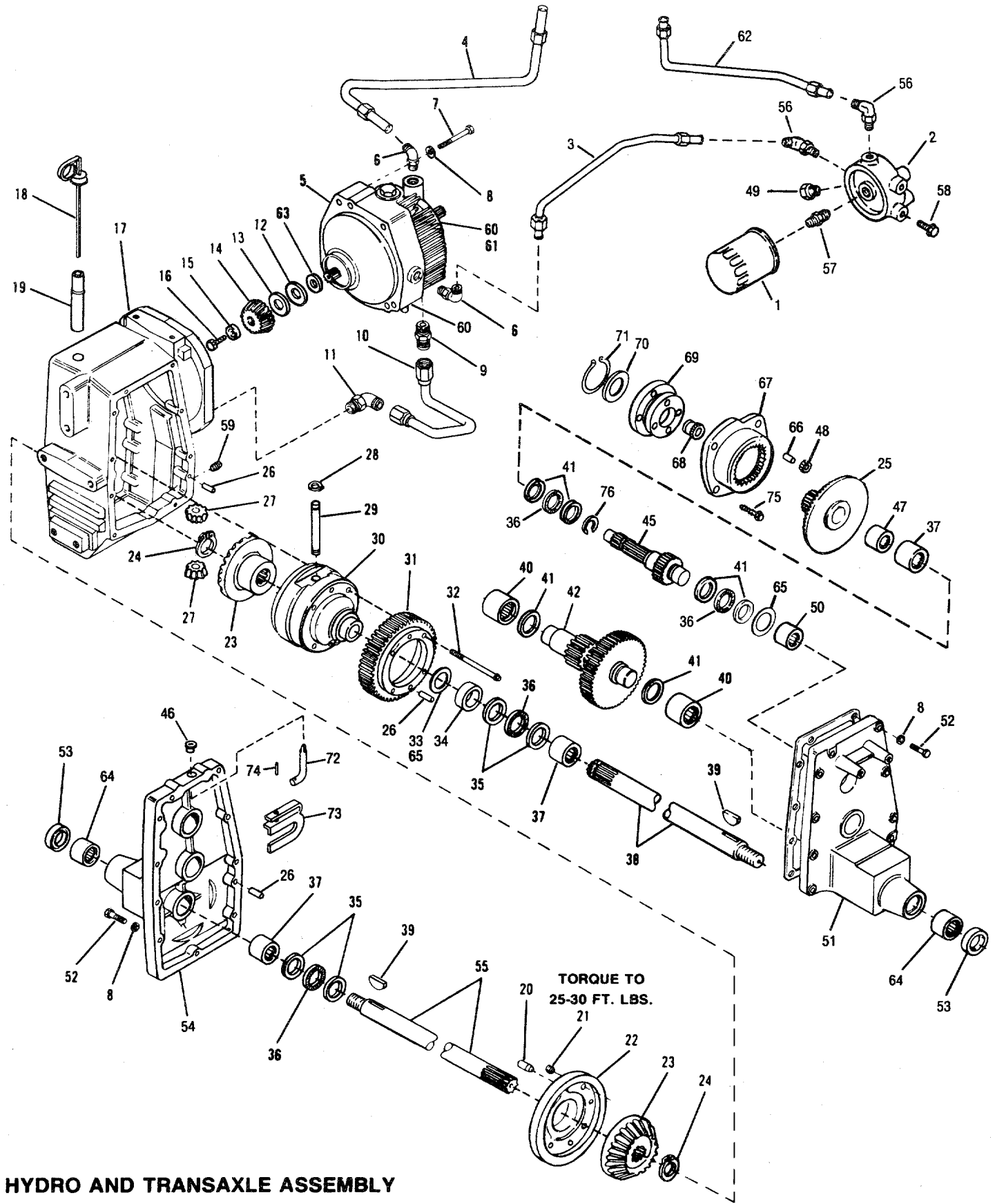
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1		Socket Hd. Capscrew 5/16-18 x 1-3/4 (Incl. with Ref. No. 4)	1	12	1744159	Drive Pin (Incl. Ref. No. 4)	1
3	1724376	Oil Seal (Incl. with Ref. No. 4)	1	13	1724376	Oil Seal (Incl. Ref. No. 9)	1
4	1744188	Charge Pump Kit (Incl. Ref. Nos. 1, 3, 5, 6, 7, 8, 10 & 12)	1	14	1744185	Square Seal Ring	1
5	1724375	Snap Ring (Incl. with Ref. No. 4)	1	15	1744160	Input Shaft Sub Ass'y (Keyed) ...	1
6	1744155	Sq. Seal Ring (Incl. with Ref. No. 4)	1	16	1744164	Pump Rotor & Ball Assembly	1
7	1724377	Grass Shield (Incl. with Ref. No. 4)	1	17	1744184	Cam Ring Assembly	1
8	1744157	Sq. Seal Ring (Incl. with Ref. No. 4)	1	18	1744176	Cam Ring Insert	1
9	1744154	Cover Sub Ass'y (Incl. Ref. No. 13)	1	19	1744166	Pintle Assembly (Incl. Internal Parts)	1
10 •		Socket Hd. Capscrew 5/16-18 x 1-1/4 (Incl. with Ref. No. 4)	1	20	1744177	Motor Rotor & Ball Sub Assembly	1
				21	1744010	Output Shaft Sub Ass'y	1
				22	1744180	Body Ass'y (Incl. Ref. Nos. 21, 24, 25)	1
				23	1744179	O-Ring Plug Sub Ass'y	1
				24	1104440	Ball Bearing (Output)	1
				25	1724380	Retaining Ring	1

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

Bolens 17 HP Tractor

L.H. Bottom Control Valve

R.H. Bottom Control Valve



TORQUE TO
25-30 FT. LBS.

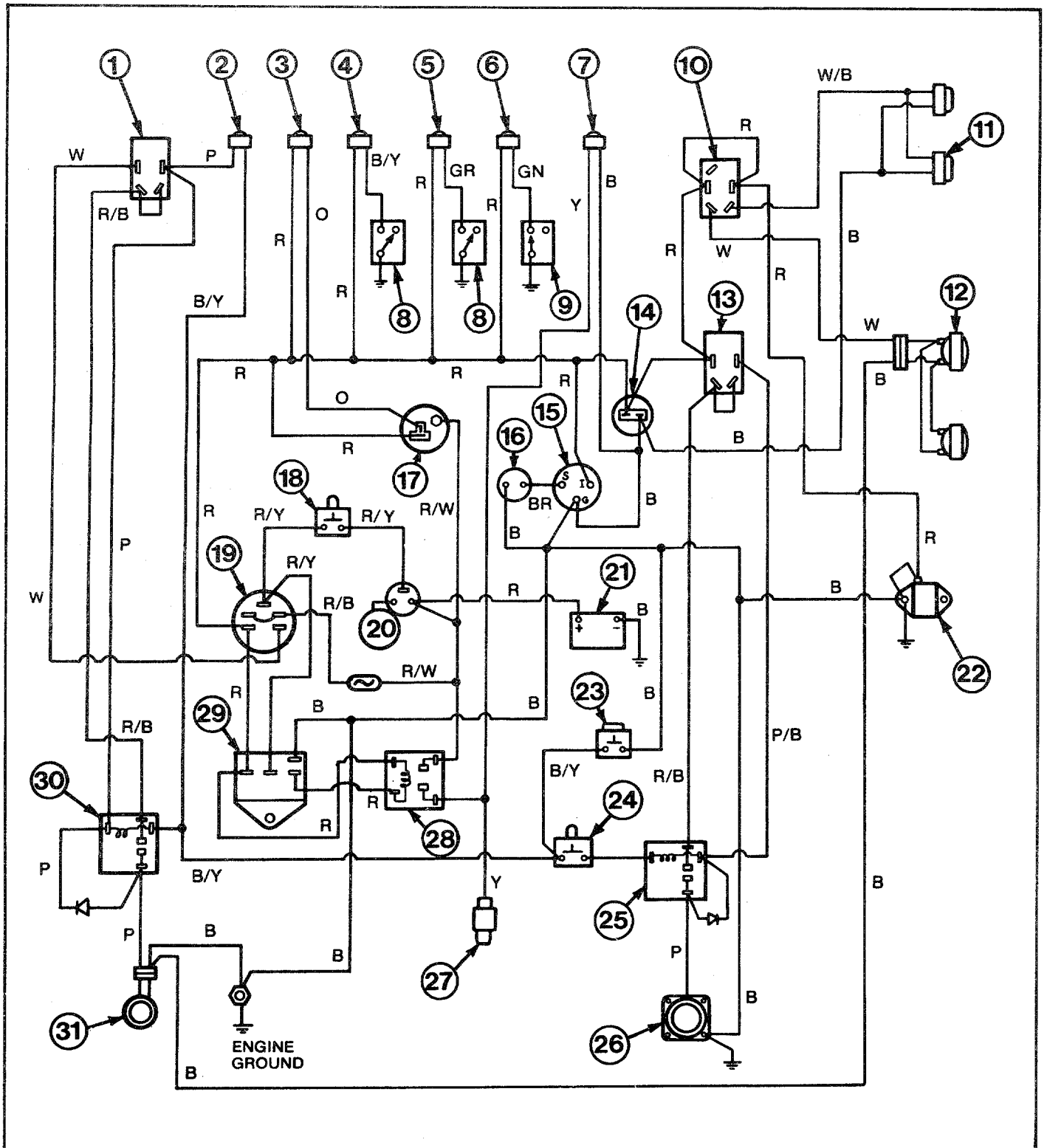
HYDRO AND TRANSAXLE ASSEMBLY

Model 5117H

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	1726450	Filter	1	39	1100281	Key, Woodruff	2
2	1752734	Manifold, Filter	1	40	1186010	Bearing, Needle	2
3	1755237	Tube Ass'y Return	1	41	1186002	Race, Thrust	6
4	1755236	Tube Ass'y, Hydro to Steering Pump	1	42	1747065	Gear Assembly, Cluster	1
5	1745147	Eaton Trans. Model 11 (See Page 13 for breakdown)	1	43	1185296	Seal, Oil	1
6	1185737	Elbow 90°	2	44	1185280	Bearing, Needle	1
7	• 1100770	Screw, Hex Hd. Cap 3/8-16 x 2-3/4	4	45	1751774	Pinion Shaft	1
8	• 1100243	Washer, Lock 3/8	21	46	1729555	Oil Seal	1
9	1186464	Connector	1	47	1725907	Bearing, Bronze	1
10	1729264	Tube Assembly, Suction	1	48	1725945	Planet Gear	4
11	1724390	Elbow 90°	1	49	1750139	Temp. Switch	1
12	1730374	Washer, Shim (.005)	AR	50	1185774	Bearing, Needle	1
13	1730375	Washer, Shim (.015)	AR	51	1747063	Cover, Transaxle R.H.	1
14	1729531	Gear, Bevel Pinion 18T	1	52	• 1100047	Screw, Hex Hd. Cap 3/8-16 x 1-1/2	17
15	1729559	Spacer	1	53	1185301	Oil Seal	2
16	1741832	Screw, Hex Hd. cap 1/4-20 x 5/8	1	54	1747073	Cover, Transaxle L.H.	1
17	1747086	Housing, Transaxle	1	55	1747091	Axle, L.H.	1
18	1724093	Dipstick	1	56	1185739	Connector	2
19	1724091	Tube	1	57	1721921	Coupling	1
20	1733103	Pin, Dowel 5/16	2	58	• 1186345	Flange Lock Screw 3/8-16 x 3/4	2
21	• 1186459	Nut, Hex Lock 5/16-18 Grade 8	4	59	1185930	Pipe Plug	1
22	1728645	Cover, Differential	1	60	1724376	Shaft Seal	2
23	1752093	Gear, Bevel 22T	2	61	1724377	Grass Shield	1
24	1185732	Ring, Retaining	2	62	1752622	Tube Ass'y, Filter to Valve	1
25	1727735	Bevel Gear, 56T, 24T and 23T	1	63	1705093	Shim (.028)	AR
26	1110189	Pin, Dowel 3/8	6	64	1187206	Needle Bearing	2
27	1752095	Pinion	2	65	1718781	Shim (.005)	AR
28	1118808	Ring, Retaining	2	66	1726082	Pin	4
29	1727641	Shaft, Pinion	1	67	1744305	Internal Ring Gear	1
30	1747087	Carrier Differential	1	68	1725909	Sliding Gear	1
31	1729260	Gear, Axle 47T	1	69	1725942	Planet Carrier	1
32	1733684	Screw, Flange 5/16-18 x 4.0	4	70	1726050	Thrust Washer	1
33	1719271	Shim (.020)	A/R	71	1186461	Retaining Ring	1
34	1747089	Spacer, Tubular	1	72	1753144	Shifter Shaft	1
35	1185767	Race, Thrust	4	73	1725912	Shifter Plate	1
36	1185764	Bearing, Thrust	4	74	1185389	Drive Pin	1
37	1185721	Bearing, Needle	3	75	1730012	Screw, Counter Box 5/16-18 x 1	4
38	1747092	Axle, R.H.	1	76	1726051	Positioning Ring	4
				77	1724086	Gasket, Cover R.H.	1
				NI	1728407	Sealant	AR

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

WIRING DIAGRAM



- | | | |
|-------------------------|-------------------------|--------------------|
| 1 - PTO SWITCH | 12 - HEADLIGHTS | 23 - SEAT SWITCH |
| 2 - PTO LIGHT | 13 - CRUISE SWITCH | 24 - CRUISE SWITCH |
| 3 - BATTERY LIGHT | 14 - HOUR METER | 25 - CRUISE RELAY |
| 4 - WATER TEMP. LIGHT | 15 - FUEL GAGE | 26 - CRUISE MAGNET |
| 5 - HYDRO. TEMP. LIGHT | 16 - FUEL SENDER | 27 - GLOW PLUGS |
| 6 - OIL PRESSURE LIGHT | 17 - ALTERNATOR, ENGINE | 28 - GLOW RELAY |
| 7 - GLO (PREHEAT) LIGHT | 18 - BRAKE SWITCH | 29 - GLOW TIMER |
| 8 - TEMP. SENSOR | 19 - IGNITION SWITCH | 30 - PTO RELAY |
| 9 - PRESSURE SENSOR | 20 - STARTER | 31 - PTO CLUTCH |
| 10 - LIGHT SWITCH | 21 - BATTERY | |
| 11 - SIDE LIGHTS | 22 - FUEL PUMP | |

COLOR CODE	
B - BLACK	BL - BLUE
O - ORANGE	B/Y - BLACK/YELLOW
P - PURPLE	R/B - RED/BLACK
R - RED	R/W - RED/WHITE
W - WHITE	P/B - PURPLE/BLACK
Y - YELLOW	W/B - WHITE/BLACK
BR - BROWN	R/Y - RED/YELLOW
GR - GRAY	
GN - GREEN	

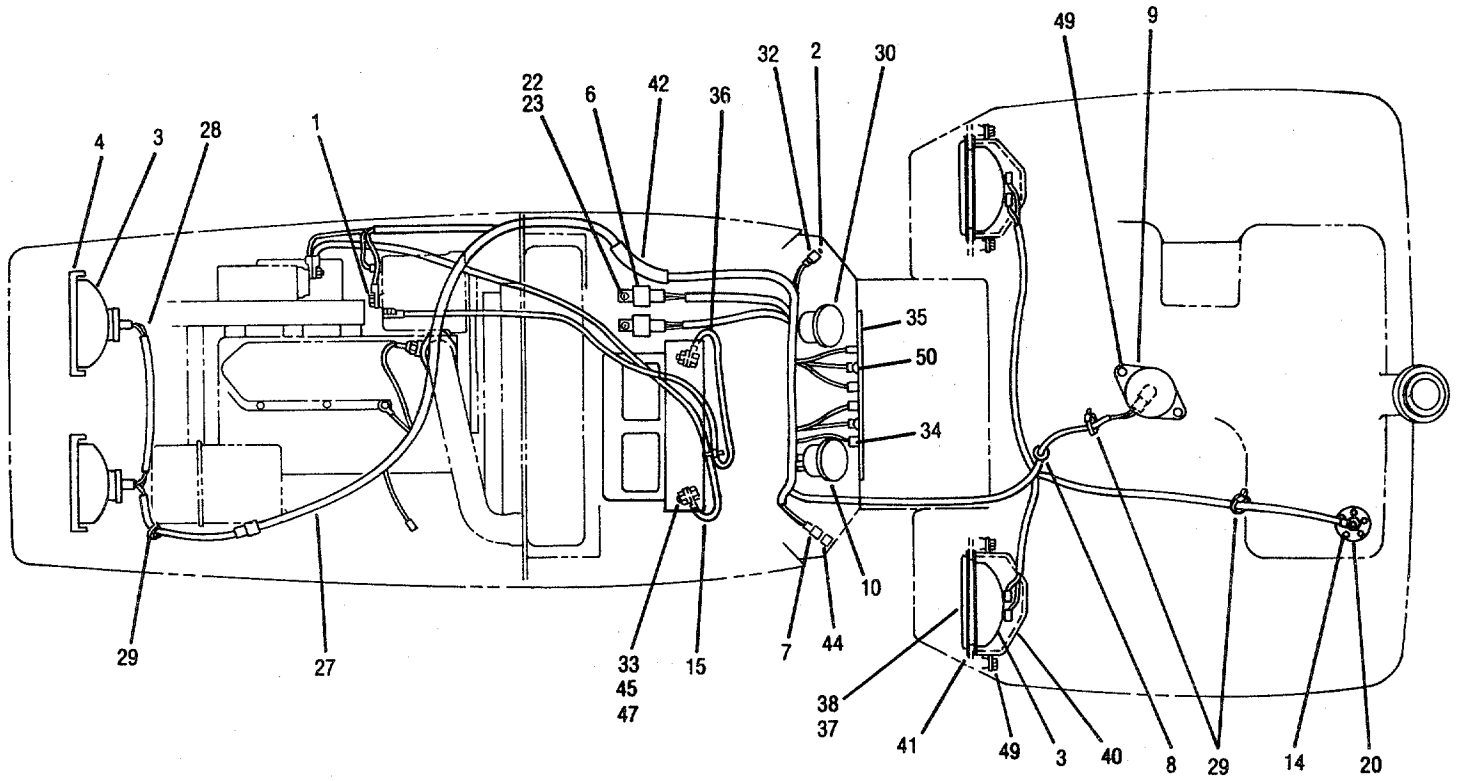
REAR VIEW OF LIGHT SWITCH		
OFF	ON SIDE AND HEADLIGHTS	ON HEADLIGHTS

REAR VIEW OF CRUISE AND ATTACHMENT DRIVE SWITCH		
OFF	ON	RESET

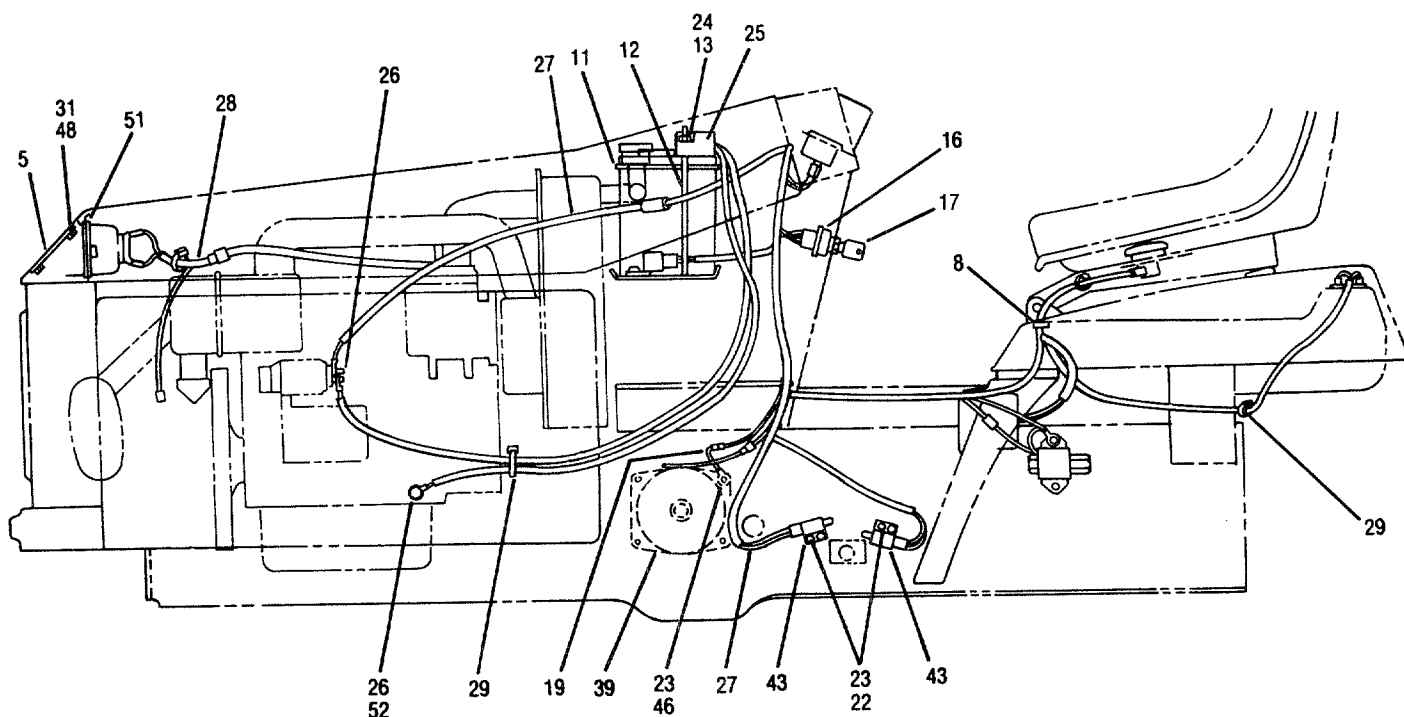
REAR VIEW OF IGNITION SWITCH		
OFF	WARM/RUN	START
	X-Y B-A	X-Y B-S

TERMINAL VIEW OF CRUISE AND PTO RELAY	
N.O. CONTACT CONNECTIONS	COIL CONNECTIONS
85 AND 86	30 AND 87

Bolens 17 HP Tractor



ELECTRICAL ASSEMBLY



REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.	REF. NO.	PART NO.	DESCRIPTION	QTY. REQ.
1	• 1100240	Lock Washer #10	1	28	1752505	Headlight Harness	1
2	1750963	Screw, 6-32 x 1/2	5	29	1735531	Cable Tie	11
3	1752871	Light Assembly	4	30	1755647	Fuel Gauge	1
4	1753788	Retainer	4	31	1805365	Flat Washer	2
5	1754229	Lense	1	32	1754609	Switch, PTO	1
6	1749907	Relay	2	33	• 1111599	Hex Screw 1/4-20 x 5/8	2
7	1754189	Light	1	34	1751572	Bulb (GE 73)	A/R
8	1734934	Grommet	1	35	1752844	Lense	1
9	1753552	Seat Switch	1	36	1754221	Battery Cable, Negative	1
10	1748719	Hour Meter	1	37	1754241	Lense, L.H.	1
11	1752840	Battery, 12V	1	38	1754242	Lense, R.H.	1
12	1753782	Hold Down	2	39	1738462	Clutch	1
13	• 1107381	Flat Washer 1/4	2	40	1754259	Shield Ass'y	2
14	1745778	Screw Rd Hd 10-32 x 1/2	5	41	1754191	Gasket	4
15	1754222	Battery Cable-Positive	1	42	1752408	Plastic Tube	1
16	1756161	Ignition Switch	1	43	1748723	Interlock Switch, Speed	2
17	1753986	Ignition Key	1	44	1754607	Switch, Speed, Control	1
18	• 1100243	Lockwasher 3/8	1	45	• 1100241	Flat Washer 1/4	2
19	1756032	Lead	1	46	1185130	Screw 10-24 x 3/4	1
20	1755868	Fuel Sender	1	47	• 1186229	Hex Nut 1/4-20	2
21	1754236	Hex Screw M10 x 1.25 x 20	1	48	1731453	Pan Hd. Screw 8-18 x 3/8	2
22	• 1115815	Screw Phil Hd. 10-24 x 5/8	7	49	1755349	Screw, 1/4-20 x 1/2	6
23	• 1185985	Keps Nut 10-24	8	50	• 1186020	Thd. Cut Screw 6-32 x 3/8	2
24	• 1734398	Lock Nut 1/2-20	2	51	1754194	Gasket	2
25	1755802	Battery Hold Down	1	52	1754236	Hex Screw M10 x 1.25 x 20	1
26	• 1100244	Lock Washer 7/16	1	NI	1743516	Fuse (30A)	1
27	1755445	Main Harness	1				

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