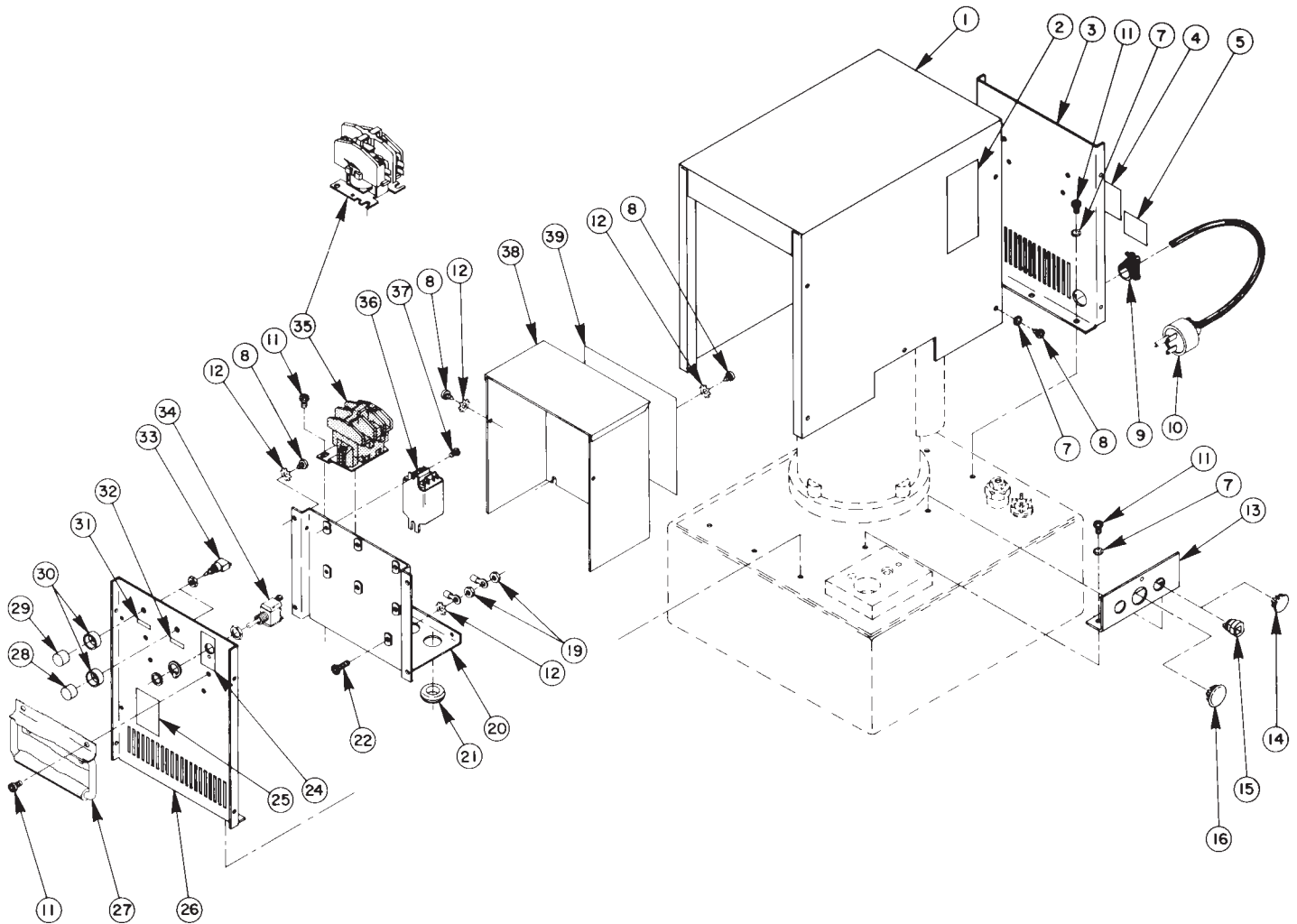


MODEL C
**ELECTRIC TWO-STAGE HYDRAULIC PUMP
CONTROL BOX & COVER ASSEMBLY**



Parts List, Form No. 100419, Back sheet 1 of 3

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	50937WH2	1	Top Cover	32	203769	1	Stop Decal
2	309233	2	Trade Name Decal	33	205508	2	Pushbutton Switch
3	42400PU2	1	Back End Panel		*45279	2	Pushbutton Switch
4	200188	1	Warning Decal	34	16618	1	ON-JOG Switch
5	206193	1	Spec Decal (50 cycle units)	35	16153	1	Starter Relay (60 cycle units)
	206194	1	Spec Decal (60 cycle units)		**52061-1	1	Starter Relay (60 cycle units)
7	12356	17	Lockwasher (#10 internal tooth)		16153-2	1	Starter Relay (50 cycle units)
8	14394	17	Self-Tapping Screw (#10 X 3/8 Lg.)		**52061-2	1	Starter Relay (50 cycle units)
9	11203	1	Strain Relief	36	39520	1	Control Relay (50 cycle units)
10	25229	1	Cord Set (60 cycle units only)		18842	1	Control Relay (60 cycle units)
11	16613	18	Machine Screw (#10-24 X 5/16 Lg.)	37	10159	2	Rd. Hd. Mach. Screw (#6-32 X
12	11108	11	Lockwasher (#10 external tooth)				5/16 Lg.; used to mount control relay)
13	36746WH2	1	Angle Plate	38	42439PU2	1	Elect. Box Cover
14	16412	1	Snap Plug (For 5/8" hole)	39	39862	1	Elect. Schematic Decal
15	215857	1	Bushing	PARTS INCLUDED BUT NOT SHOWN			
16	15327	1	Snap Plug (For 7/8" hole)		9614	1	Manifold Assembly
19	10197	2	Nut (#10-24)				(See Form #100604)
20	51668PU2	1	Elect. Stand-Off		9625	1	Pressure Switch Assembly
21	15497	2	Rubber Grommet				(See Form #100589)
22	104484	1	Hex Hd. Mach. Screw		10618	1	Tee Fitting (Used between manifold
			(#10-24 X 3/4 Lg.)				& pressure switch)
24	204577	1	ON-JOG Decal		17946	1	Pressure Gauge
25	204015	1	Thermal Protection Decal		11141	1	Self-Tapping Screw (#6 X 3/8 Lg.;
26	51203PU2	1	Front End Panel				motor grd. screw)
27	16612	2	Handle		10239	1	Lockwasher (#6; used with ground
28	104487	1	Pushbutton Switch (Red)				screw)
	*209071	1	Pushbutton Switch (Red)		205189	1	Ground Decal
29	104486	1	Pushbutton Switch (Green)		308752	8 Ft.	Elect. Cable - 14/3 SJTO
	*209070	1	Pushbutton Switch (Green)				(50 cycle units)
30	18608	2	Switch Guard		203722	1	Patent Decal
31	203808	1	Start Decal				

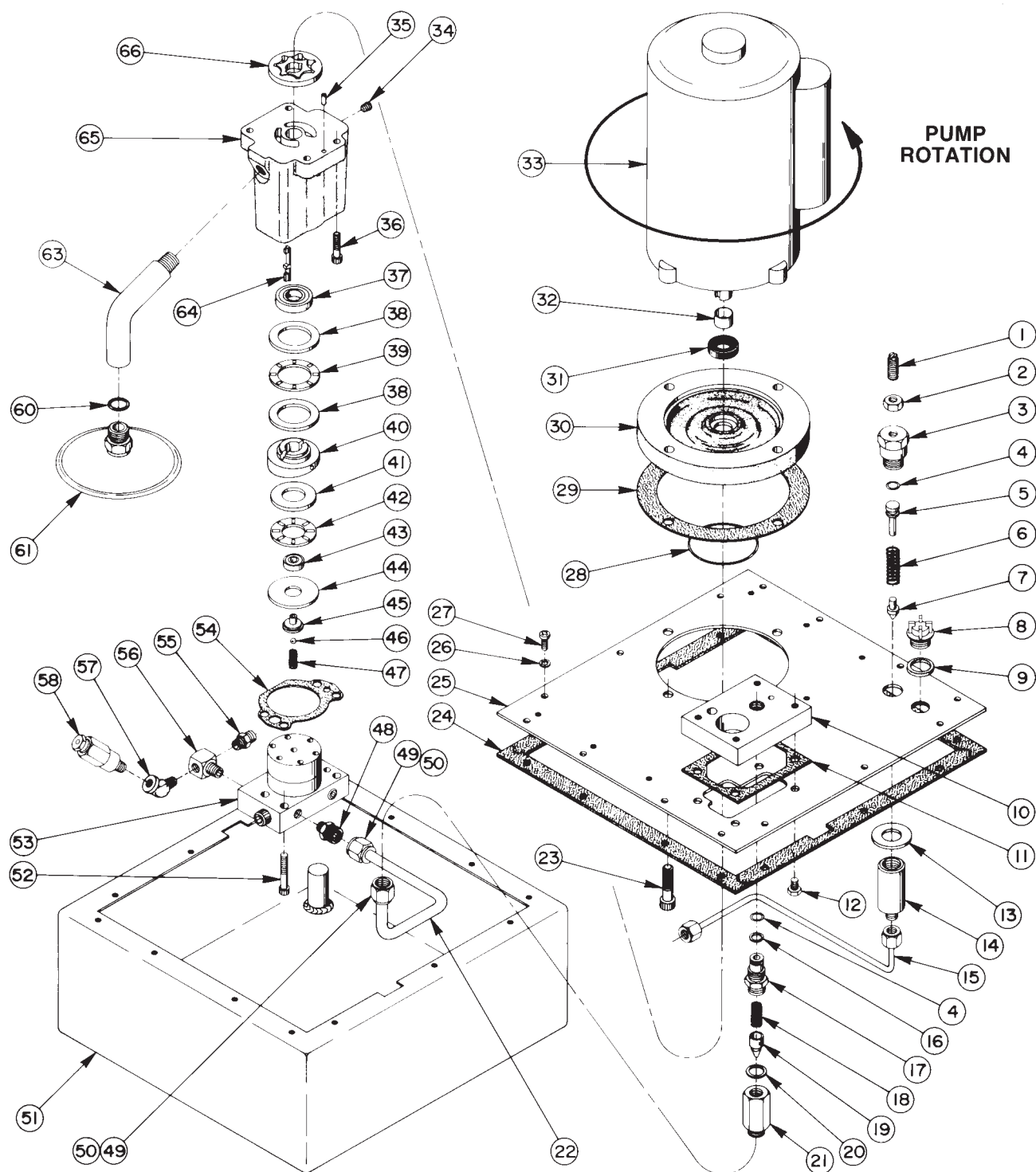
NOTE: * After April 1983
 ** After March 1983

Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine Hytec replacement parts!**

Additional questions can be directed to our Technical Services Department.

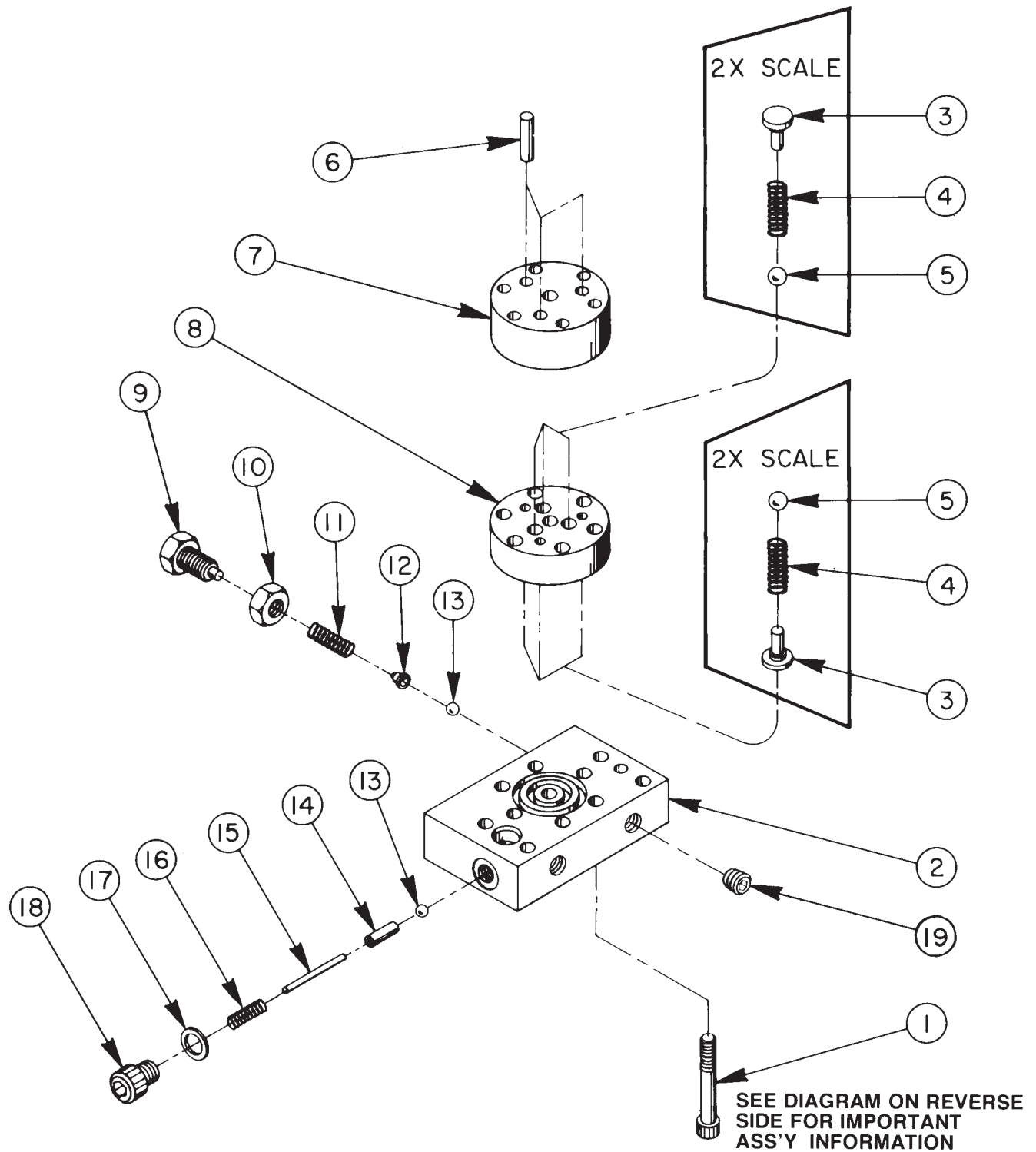
BASIC PUMP ASSEMBLY



Parts List, Form No. 100419, Back sheet 2 of 3

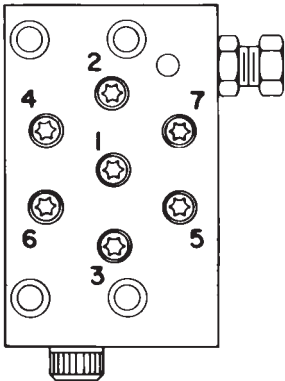
Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	22362	1	Valve Adjusting Screw	34	11084	1	Pipe Plug (1/16 NPTF)
2	10386	1	Jam Nut (3/8-24 UNF)	35	10808	1	Dowel Pin (1/8 X 3/8 Lg.)
3	21305	1	Valve Cap	36	10016	4	Soc. Hd. Cap Screw (1/4-20 UNC X 1" Lg.; Torque to 90/100 in. lbs.)
4	10268	2	O-ring (1/2 X 3/8 X 1/16)	37	15695	1	Ball Bearing
5	21306	1	Spring Guide	38	11227	2	Needle Thrust Race
6	10495	1	Compression Spring (1/2 O.D. X 1-5/8 Lg.)	39	11228	1	Needle Thrust Bearing
7	21046	1	Valve Stem	40	35271	1	Angle Plate
8	20937	1	Filler Plug	41	15432	1	Needle Thrust Race
9	200415	1	Washer	42	15431	1	Needle Thrust Bearing
10	41839	1	Valve Block	43	11814	1	Ball Bearing
11	200395	1	Gasket	44	23548	1	Top Plate
12	10004	4	Hex Hd. Cap Screw (1/4-20 X 3/8 Lg.)	45	23547	1	Top Bearing Plate
13	12330	1	Washer (For 3/4" bolt)	46	10375	1	Steel Ball (1/4" Dia.)
14	22361	1	Body	47	10361	1	Compression Spring (1/4 O.D. X 1" Lg.)
15	202443	1	Oil Line Assembly (Includes fittings)	48	12696	1	Tube Connector
16	11863	1	Backup Washer (1/2 X 3/8 X 1/16)	49	10431	2	Tube Nut
17	201817	1	Valve Connector	50	10430	2	Tube Sleeve
19	20771	1	Poppet	51	60354PU2	1	Reservoir
20	10261	1	Soft Copper Washer (3/4 X 19/32 X 1/32)	52	10020	4	Soc. Hd. Cap Screw (1/4-20 UNC X 1-1/4 Lg.; Torque to 110/120 in. lbs.)
21	201879	1	Valve Body	53	37131	1	High Pressure Pump Assembly (See Sheet 3 of 3)
22	38397	1	Oil Line	54	27776	1	Gasket
23	10984	4	Soc. Hd. Cap Screw (3/8-16 X 1-1/2 Lg.; Torque to 90/100 in. lbs.)	55	14844	1	Connector Fitting
24	50936	1	Reservoir Gasket	56	24702	1	Tee
25	50938WH2	1	Cover Plate	57	19121	1	45° Elbow
26	12356	14	Serrated Washer (#10 Internal Tooth)	58	21278-50	1	Relief Valve Assembly (Set at 5,100/5,700 PSI)
27	16876	14	Machine Screw (#10-24 X 1/2 Lg.)	60	10300	1	O-ring (5/8 X 15/32 X .078)
28	15690	1	O-ring (2-5/8 X 2-1/2 X 1/16)	61	21344	1	Filter Assembly
29	35541	1	Gasket	63	305654	1	Intake Tube
30	50751	1	Pump Body	64	200798	1	Key
31	15694	1	Seal	65	50752	1	Pump Housing
32	15696	1	Wear Sleeve	66	15693	1	Gerotor Set
33	18591	1	Motor (3/4 H.P., 115/230V, 60 Hz)				
	18592	1	Motor (3/4 H.P. 110/220V, 50 Hz)				

#37131 HIGH PRESSURE PUMP ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	*16747	7	Torx Drive Cap Screw (1/4-28 X 1-3/4 Lg.; see diagram)
2	*36912	1	Pump End Plate
3	*24549	6	Valve Guide
4	*10445	6	Compression Spring (5/32" O.D. X 3/4 Lg.)
5	*12223	6	Steel Ball (3/16" Dia.)
6	*20775	3	Piston
7	*40629	1	Pump Barrel
8	*40630	1	Valve Head
9	200797	1	Adjusting Screw
10	10386	1	Jam Nut (3/8-24)
11	15691	1	Compression Spring (1/4 O.D. x 5/8 Lg.)
12	200796	1	Spring & Ball Adapter
13	10375	2	Steel Ball (1/4" Dia.)
14	201998	1	Sleeve
15	12571	1	Roll Pin (1/8 X 1-3/8 Lg.)
16	14431	1	Compression Spring (3/16 O.D. X 3/4 Lg.)
17	12042	1	Copper Washer (9/16 X 3/8 X 1/32)
18	29690	1	Cap Screw (Torque to 180 in. lbs.)
19	10427	1	Pipe Plug (1/8" NPTF)

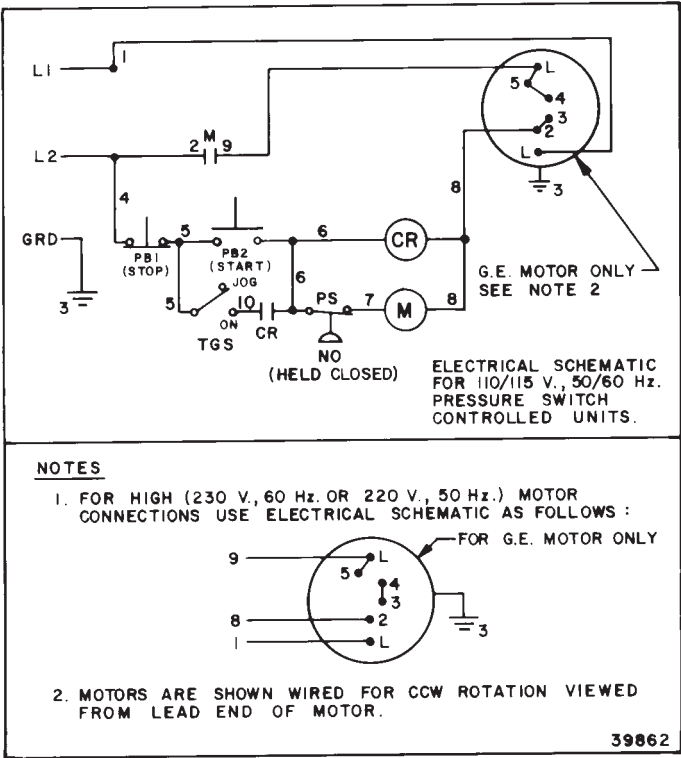
BOLT TIGHTENING SEQUENCE



NOTE: Assemble in sequence shown. Lubricate under head and on threads. Torque to 170 in. lbs.

When replacing items marked with an asterisk (*), consult our Technical Services Department.

ELECTRICAL SCHEMATIC



NOTE: The following Voltage Conversion Kits are available to convert from 115 Volt to 230 Volt:

- 205560 (Solenoid Valve Operated)
- 205693 (Manual Valve Operated)
- 205731 (Pressure Switch Operated)



WARNING: To help prevent personal injury, all electrical work must be done by a qualified electrician.

North American & International Color Codes

Conductors	North American	International
Line	Black	Brown
Neutral	White	Blue
Ground	Green	Green/Yellow