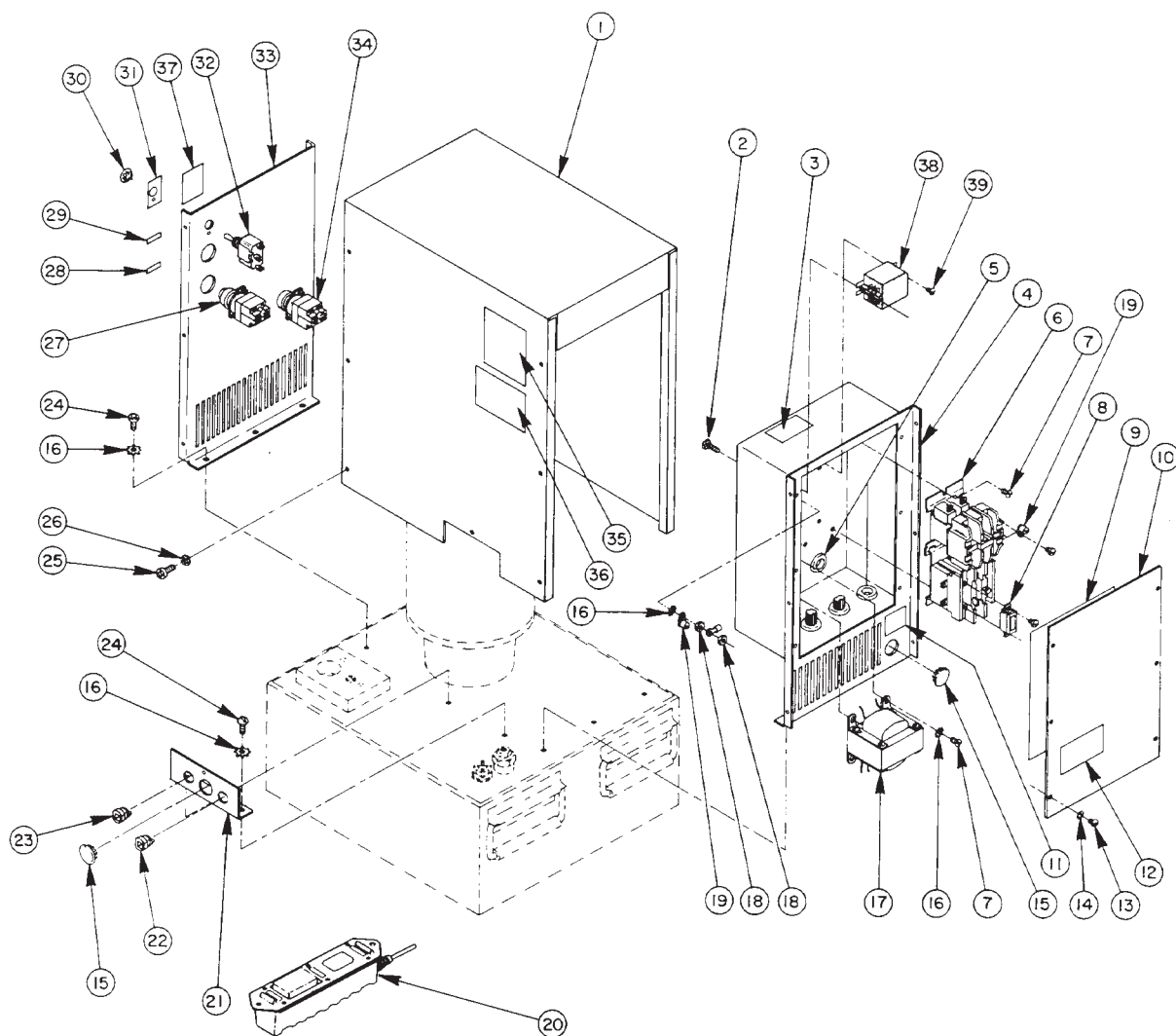


MODEL C ELECTRIC HYDRAULIC PUMP

CONTROL BOX & COVER ASSEMBLY



Note: Shaded areas reflect last revision(s) made to this form.

Part List, Form No. 100663, Back sheet 1 of 4

Item No.	Part No.	No. Req'd	Description
1	50946WH2	1	Shroud Cover
2	104484	1	Hex Hd. Mach. Screw (10-24 UNC X 3/4 Lg.)
3	202504	1	Rotation Decal
4	60235PU2	1	End Panel & Electrical Box
5	15497	6	Rubber Grommet
6	17861-4	1	Magnetic Starter
7	10164	6	Rd. Hd. Mach. Screw (10-24 UNC X 3/8 Lg.)
8	16641-39	3	Starter Heater (460 Volt)
	16641-50	3	Starter Heater (230 Volt)
9	307017	1	Electrical Schematic Decal
10	42457PU2	1	Cover Plate
11	205305	1	Specifications Decal
12	200188	1	Warning Decal
13	10975	6	Pan Hd. Mach. Screw (8-32 UNC X 5/16 Lg.)
14	11107	6	Serrated Washer (#8 Internal Tooth)
15	15327	2	Snap Plug
16	11108	AR	Serrated Washer (#10 External Tooth)
17	39693	1	Transformer
18	10197	2	Hex Nut (10-24 UNC)
19	205420	4	Lug Connector
20	25017	1	Remote Hand Control Assembly
21	36746WH2	1	Angle Plate
22	215857	1	Strain Relief Bushing
23	12176	1	Strain Relief Bushing
24	16613	8	Pan Hd. Mach. Screw (10-24 X 5/16 Lg.)

Item No.	Part No.	No. Req'd	Description
25	14394	14	Self-Tapping Screw (10-16 X 3/8 Lg.)
26	12356	AR	Serrated Washer (#10 Internal Tooth)
27	39283	1	Pushbutton Switch (Red)
28	203769	1	Stop Decal
29	203808	1	Start Decal
31	204577	1	Decal
32	12301	1	On/Off Switch
33	51124PU2	1	End Panel
34	39282	1	Pushbutton Switch (Green)
35	309233	2	Trade Name Decal
37	204015	1	Instruction Decal
38	39092	1	Relay
39	17563	2	Rd. Hd. Mach. Screw (6-32 UNC X 1/4 Lg.)

PARTS INCLUDED BUT NOT SHOWN

17946	1	Pressure Gauge
205189	1	Ground Decal
10672	1	Nipple (1/4 NPTF)
9610	1	Automatic Valve (See Form #101200)
12740	1	Straight Fitting
10618	1	Tee Fitting
10676	1	Straight Fitting
9625	1	Pressure Switch Assembly (See Form #100589)
213771	1	Quick Disconnect Coupler

AR: As Required

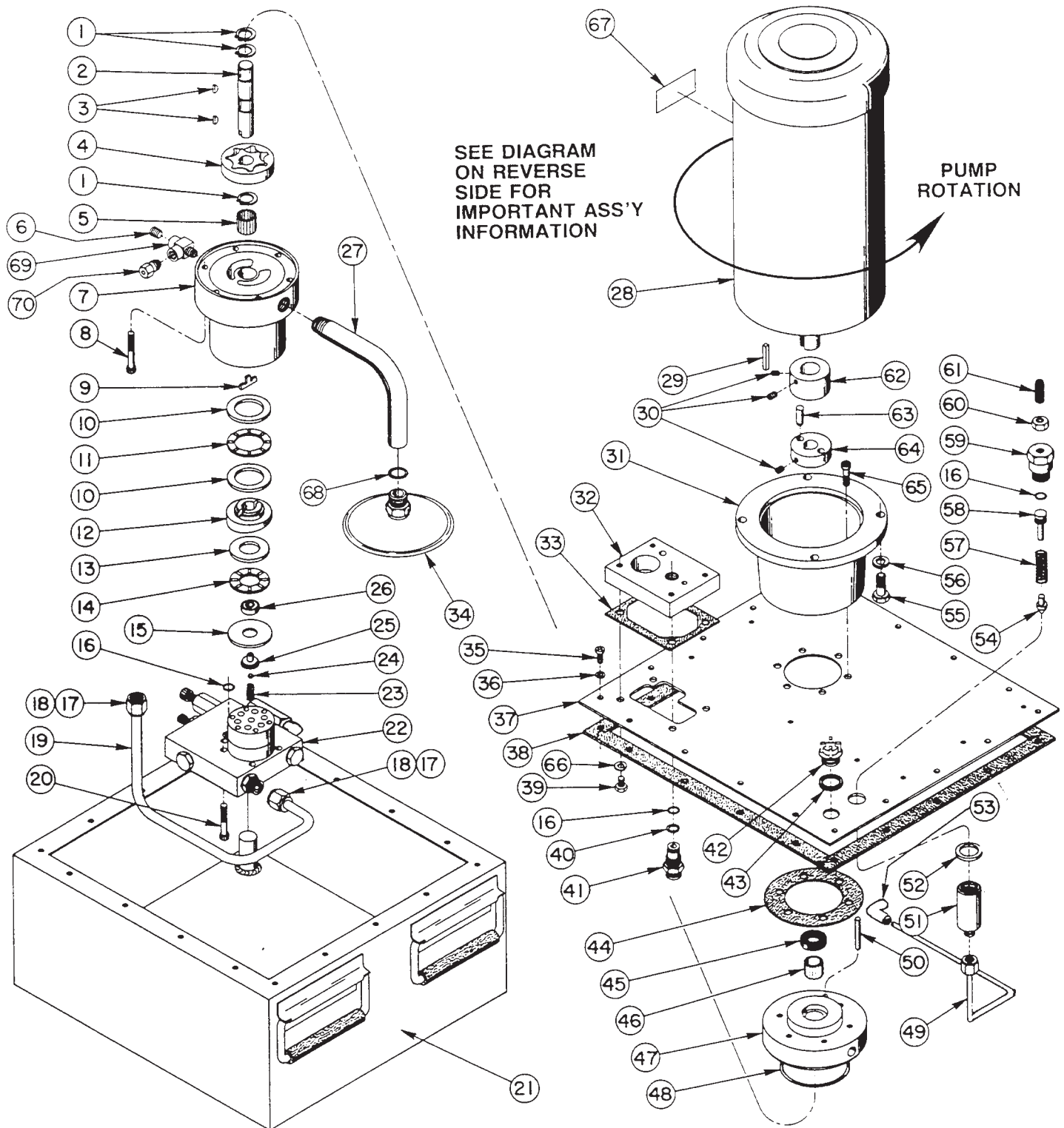
Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

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.

Note: Shaded areas reflect last revision(s) made to this form.

BASIC PUMP ASSEMBLY

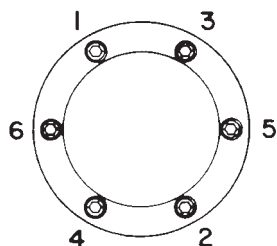


Parts List, Form No. 100663, Back sheet 2 of 4

Item No.	Part No.	No. Req'd	Description
1	12178	3	Retaining Ring (5/8 shaft)
2	303009	1	Pump Shaft
3	12179	2	Woodruff Key
4	15428	1	Gerotor Set
5	15461	1	Needle Bearing
6	10427	1	Pipe Plug (1/8" NPTF)
7	50705	1	Pump Housing
8	10854	6	Soc. Hd. Cap Screw (1/4-20 UNC X 1-3/4 Lg.; See NOTE below)
9	200397	1	Key
10	11227	2	Needle Thrust Race
11	11228	1	Needle Thrust Bearing
12	35271	1	Angle Plate
13	15432	1	Needle Thrust Race
14	15431	1	Needle Thrust Race
15	25348	1	Top Plate
16	10268	3	O-ring (1/2 X 3/8 X 1/16, -012)
17	10430	2	Tube Sleeve
18	10431	2	Tube Nut
19	35281	1	Oil Line
20	10022	5	Soc. Hd Cap Screw (1/4-20 UNC X 1-1/2 Lg.; Torque to 110/120 in. lbs.)
21	60234PU2	1	Reservoir
22	41833	1	High Pressure Pump Assembly (See Sheet 3 of 4; Adjustment required)
23	10361	1	Compression Spring (1/4 O.D. X 1" Lg.)
24	10375	1	Steel Ball (1/4 Dia.)
25	23457	1	Top Bearing Plate
26	11814	1	Ball Bearing
27	204242	1	Tube Extension
28	15436	1	Motor (2 H.P., 230/460V, 60 Hz.)
29	27778	1	Square Key
30	10133	3	Soc. Hd. Set Screw
31	41838	1	Motor Mount
32	43110	1	Valve Mounting Block
33	200395	1	Gasket
34	21345	1	Filter Assembly
35	16876	18	Machine Screw (10-24 UNC X 1/2 Lg.)

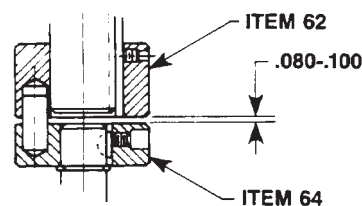
Item No.	Part No.	No. Req'd	Description
36	12356	18	Serrated Washer (#10 Internal Tooth)
37	60922	1	Cover Plate
38	50712	1	Cover Gasket
39	10005	4	Hex Hd. Cap Screw (1/4-20 UNC X 3/8 Lg.)
40	11863	1	Backup Washer
41	20787	1	Connector
42	20937	1	Filler Plug
43	200415	1	Washer (13/16 X 5/8 X 3/32, -114)
44	35266	3	Gasket
45	12194	1	Seal
46	15430	1	Needle Bearing
47	50706	1	Gerotor Pump Housing
48	12504	1	O-ring (3" X 2-13/16 X 3/32, -149)
49	350524	1	Oil Line Ass'y (with Fittings)
50	13152	1	Dowel Pin
51	22361	1	Body
52	14857	1	Flat Washer
53	16177	1	Connector Fitting
54	21046	1	Valve Stem
55	10049	4	Hex Hd. Cap Screw (3/8-16 UNC X 1" Lg.)
56	10247	4	Lockwasher (3/8" Bolt)
57	10495	1	Compression Spring (1/2 O.D. X 1-5/8 Lg.)
58	21306	1	Spring Guide
59	21305	1	Valve Cap
60	10386	1	Hex Nut (3/8-24 UNF)
61	22362	1	Valve Adjusting Screw
62	207440	1	Coupling
63	27003	2	Nylon Pin
64	27001	1	Coupling
65	10012	6	Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110/120 in. lbs.)
66	10244	4	Lockwasher
68	10527	1	O-ring (13/16 X 41/64 X 3/32, -908)
69	18969	1	Tee Fitting
70	306957	1	Air Bleed Valve

GEROTOR BOLT TIGHTENING SEQ.



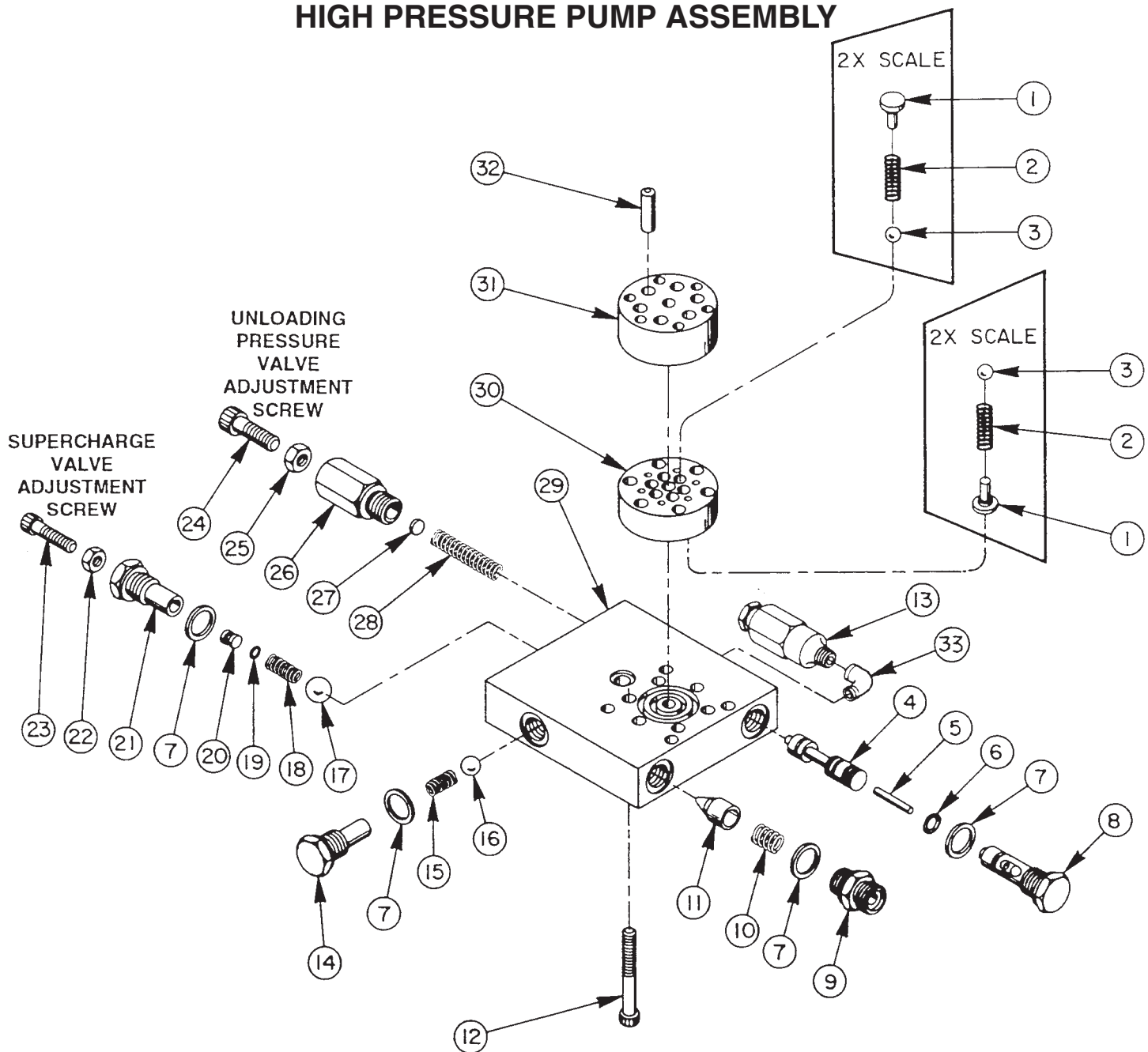
1. All bolts must be initially hand tightened in sequence shown (do not exceed 10 in. lbs.)
2. All bolts must be torqued in sequence shown. Torque to 110/120 in. lbs. in increments of 50/60 in. lbs.

COUPLING CLEARANCE



Note: Shaded areas reflect last revision(s) made to this form.

HIGH PRESSURE PUMP ASSEMBLY



SEE DIAGRAM ON REVERSE
SIDE FOR IMPORTANT
ASSEMBLY INFORMATION

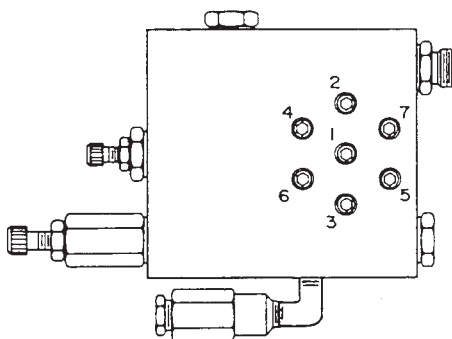
Note: Supercharge Valve and Unloading Pressure Valve of the high pressure pump assembly are NOT factory set! They require adjustment at final pump assembly. Refer to the pump's hydraulic schematic for specifications.

Parts List, Form No. 100663, Back sheet 3 of 4

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	*24549	12	Valve Guide	17	10379	1	Steel Ball (1/2 Dia.)
2	*10445	12	Compression Spring (5/32 O.D. X 3/4 Lg.)	18	15319	1	Compression Spring (.240 O.D. X 3/4 Lg.)
3	*12223	12	Steel Ball (3/16" Dia.)	19	12099	1	O-ring (9/32 X 5/32 X 1/16, -007)
4	200273	1	Spool	20	200271	1	Adapter
5	16471	1	Dowel Pin	21	200270	1	Fitting, Super Charge (Torque to 30/35 ft. lbs.)
6	14763	1	O-ring (7/16 X 5/16 X 1/16, -011)	22	10383	1	Finished Jam Nut
7	10261	4	Copper Washer (3/4 X 19/32 X 1/32)	23	10016	1	Soc. Hd. Cap Screw (1/4-20 UNC X 1"Lg.)
8	202561	1	Adapter, Actuating Pin (Torque to 30/35 ft. lbs.)	24	10809	1	Soc. Hd. Cap Screw (5/16-18 UNC x 1-1/4 Lg.)
9	20770	1	Connector (Torque to 40/45 ft. lbs.)	25	10385	1	Finished Jam Nut
10	10425	1	Compression Spring (3/8 O.D. X 3/4 Lg.)	26	36545	1	Unloading Fitting (Torque to 30/35 ft. lbs.)
11	20771	1	Poppet	27	16528	1	Disc
12	*15318	7	Soc. Hd. Cap Screw (See diagram below)	28	203031	1	Compression Spring (.300 O.D. X 1-3/4 Lg.)
13	21278-50	1	Relief Valve Assembly (Set at 5,100/5,700 PSI)	29	*50691	1	Valve Body
14	200269	1	Adapter Plug (Torque to 30/35 ft. lbs.)	30	*41048	1	Valve Head
15	11451	1	Compression Spring (1/4 O. D. X 5/8 Lg.)	31	*41063	1	Pump Barrel
16	10378	1	Steel Ball (3/8 Dia.)	32	*21628	6	Piston
				33	13229	1	90° Elbow Fitting

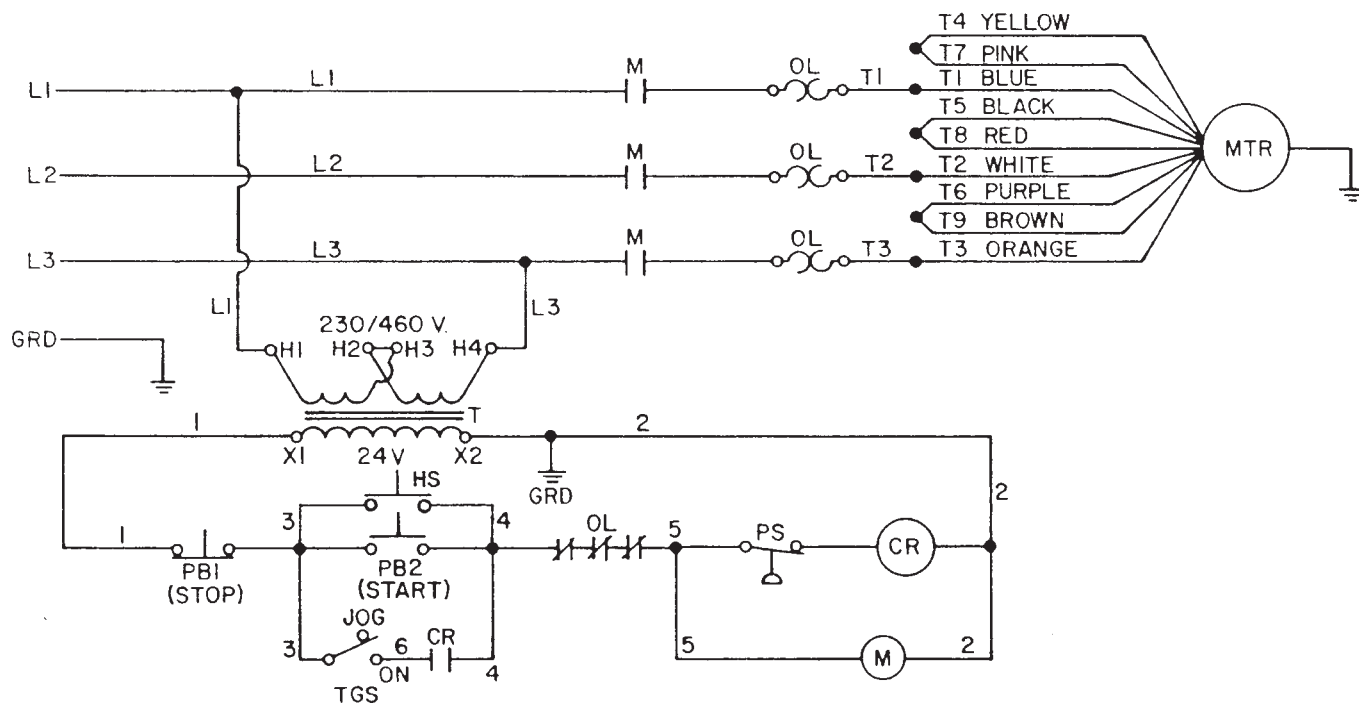
Consult factory when replacing items marked with an asterisk (*).

VALVE BOLT TIGHTENING SEQ.



NOTE: Assemble in sequence shown. Lubricate uner head and on threads. Torque to 180 in. lbbs.

Note: Shaded areas reflect last revision(s) made to this form.

ELECTRICAL SCHEMATIC**460 VOLT, 60 CYCLE, 3 PHASE****WARNING:** To help avoid personal injury, all electrical work must be done by a qualified electrician

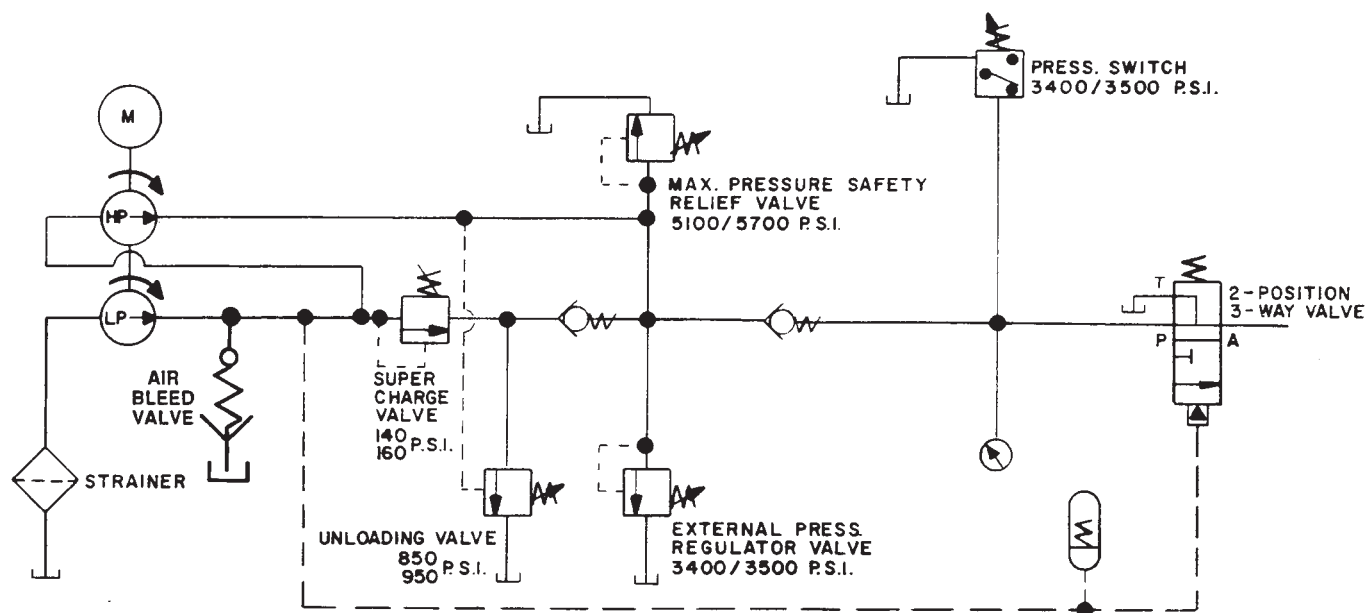
NOTE: Transformer connections shown are for 460 V., 60 Hz.

For 230 V., 60 Hz. units, transformer connections to be as follows:

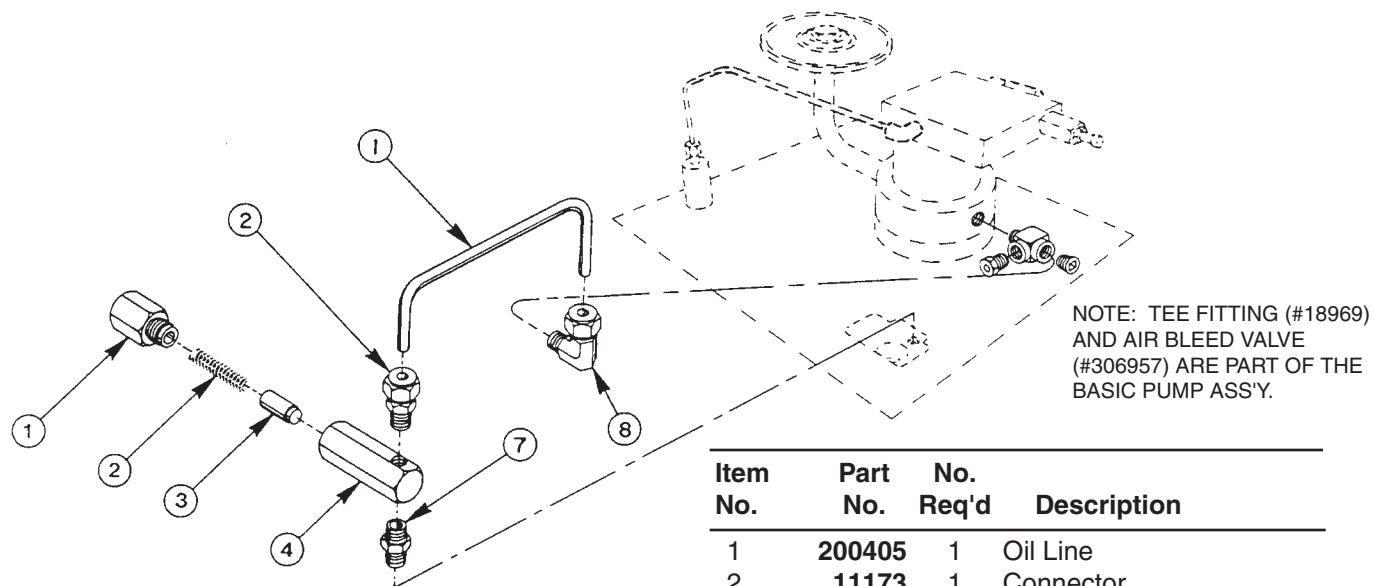
H1 & H3 to L1
H2 & H4 to L3

Note: Shaded areas reflect last revision(s) made to this form.

HYDRAULIC SCHEMATIC



PILOT OIL LINE/ACCUMULATOR OPTIONAL ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	200405	1	Oil Line
2	11173	1	Connector
3	202121	1	Spring Retainer (Torque to 50/70 in. lbs.)
4	16499	1	Compression Spring
5	21945	1	Plunger
6	21944	1	Cylinder Body
7	11421	1	Pipe Nipple
8	11278	1	Connector
	21943	1	Accumulator (Consists of items 3, 4, 5 & 6)