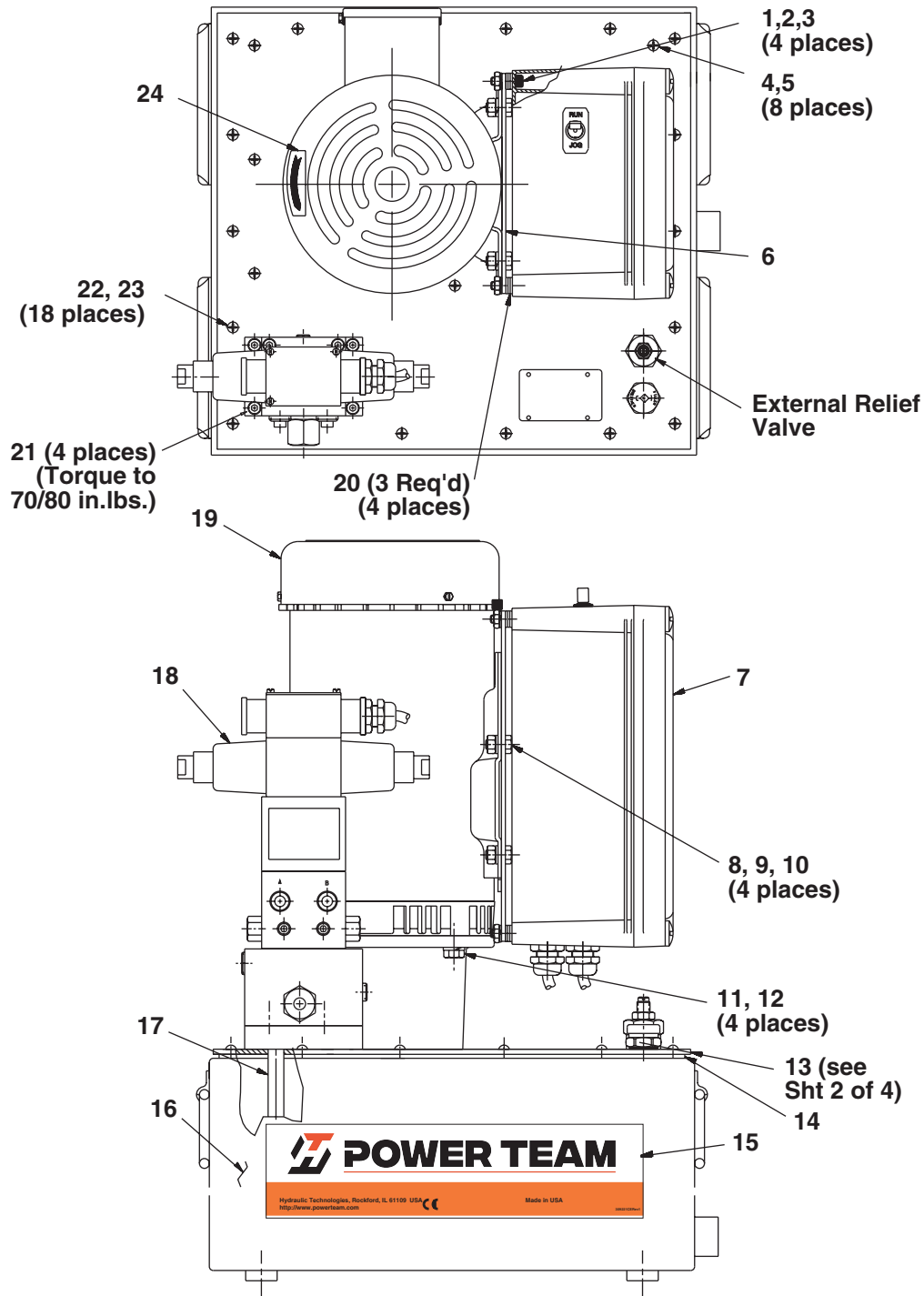


Parts List for:



PQ1204S E380

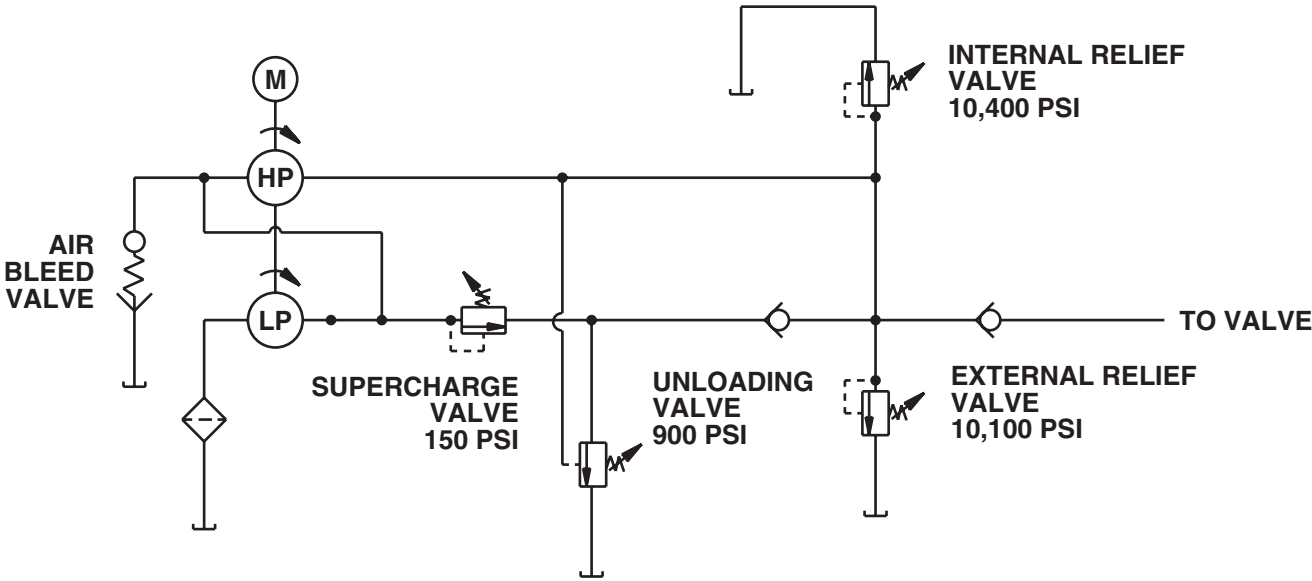
MODEL C
ELECTRIC TWO-STAGE HYDRAULIC PUMP



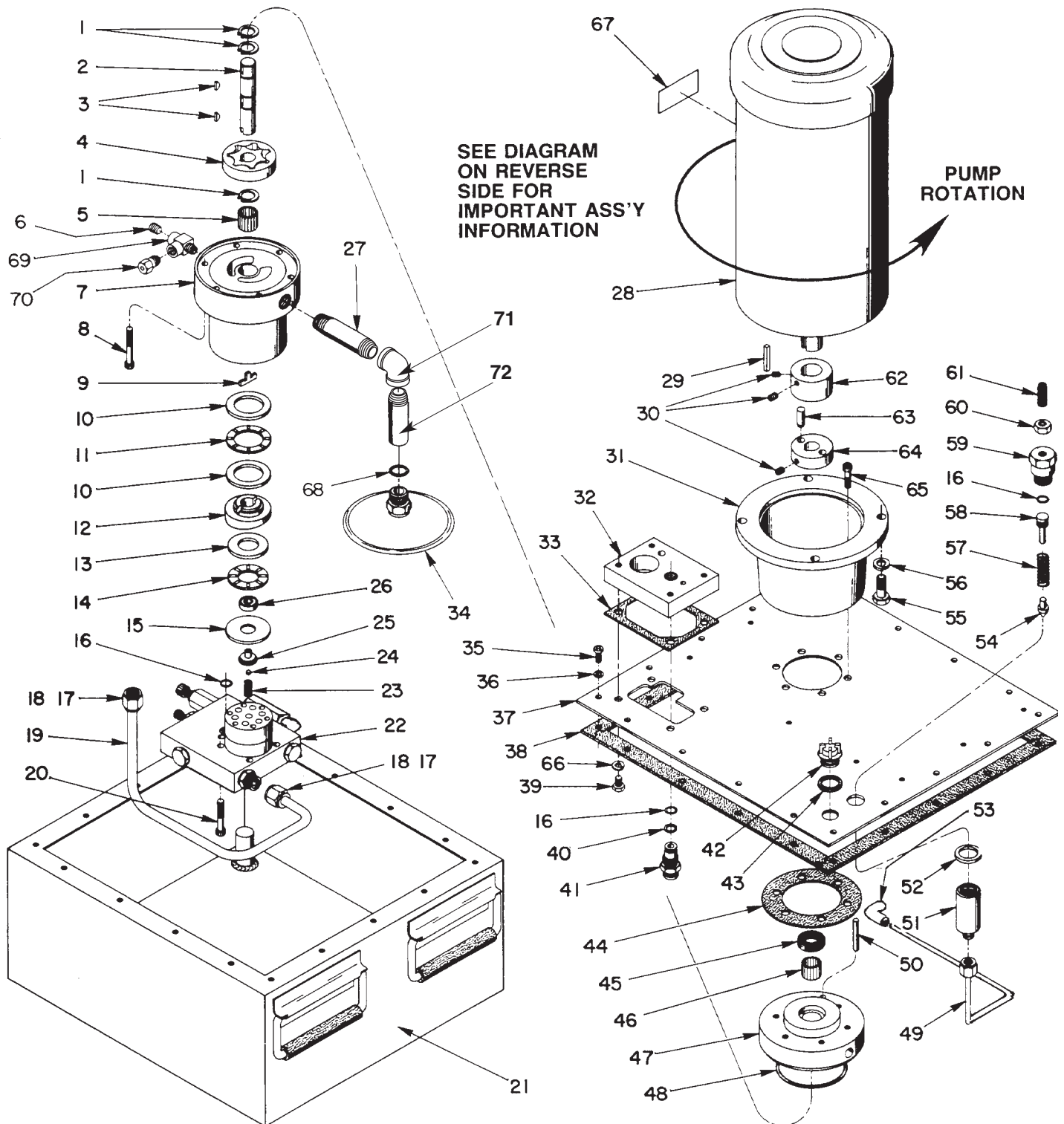
Item No.	Part No.	No. Req'd	Description
1	10008	4	Screw, Soc.Hd. (1/4-20 x 3/4 Lg.)
2	10245	4	Washer, Lock (.49 x .26)
3	10199	4	Nut, Hex (1/4-20)
4	16613	8	Screw, Pan.Hd. (10-24 unc x .312)
5	11108	8	Washer, Tooth Ext. (.40 x-.20)
6	58741BK2	1	Bracket, Mounting
7	66586-4S	1	Motor Control
8	10027	4	Screw, Hex Hd. (5/16-18 x 5/8 Lg.)
9	10246	4	Washer, Lock (.59 x .32)
10	10201	4	Nut, Hex (5/16-18)
11	10049	4	Screw, Hex Hd. (3/8-16 x 1 Lg.)
12	10247	4	Washer, Lock (.68 x .39)

Item No.	Part No.	No. Req'd	Description
13	60233	1	Pump, Basic
14	50712	1	Gasket, Reservoir
15	309221CE	2	Decal, (Tradename Power Team CE)
16	60234OR9	1	Reservoir
17	200609	1	Tube, Drain
18	16664-4	1	Valve, Solenoid 24V
19	501077	1	Motor, Electric
20	12719	12	Washer, Plain (.63 x .29)
21	10856	4	Screw, Soc.Hd. (1/4-20 x 2-1/2 Lg.)
22	16876	18	Screw, Pan.Hd. (10-24 unc x .50)
23	12356	18	Washer, Tooth Ext. (.37 x-.20)
24	202504	1	Decal, Rotation Direction

HYDRAULIC SCHEMATIC



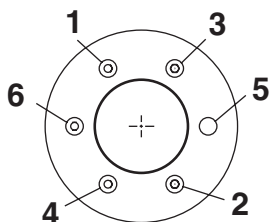
BASIC PUMP ASSEMBLY



Parts List, Form No. 108202, Back sheet 2 of 4

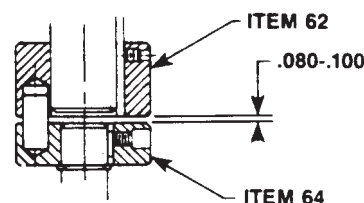
Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	12178	2	Retaining Ring	39	10005	4	Cap Screw (1/4-20 X 1/2 Lg.)
2	303009	1	Pump Shaft	40	11863	1	Backup Washer (1/2 X 3/8 X 1/16)
3	12179	2	Woodruff Key	41	20787	1	Connector
4	15428	1	Gerotor Set	42	20937	1	Filler Plug
5	15461	1	Needle Bearing	43	200415	1	Washer
6	10427	1	Pipe Plug (1/8 NPTF)	44	35266	3	Gasket
7	50705	1	Pump Housing	45	12194	1	Seal
8	10854	6	Soc. Hd. Cap Screw (1/4-20 X 1-3/4 Lg.; See Note Below)	46	15430	1	Needle Bearing
9	200397	1	Key	47	50706	1	Gerotor Pump Housing
10	11227	2	Needle Thrust Race	48	12504	1	O-ring (3" X 2-13/16 X 3/32)
11	11228	1	Needle Thrust Bearing	49	350524	1	Oil Line Ass'y with Fittings (3/16 Dia.)
12	35271	1	Angle Plate	50	13152	1	Dowel Pin (3/16 X 1-1/2 Lg.)
13	15432	1	Needle Thrust Race	51	22361	1	Body
14	15431	1	Needle Thrust Bearing	52	14857	1	Flat Washer (.062 Thk.)
15	23548	1	Top Plate	53	16177	1	90° Elbow Fitting
16	10268	3	O-ring (1/2 X 3/8 X 1/16)	54	21046	1	Valve Stem
17	10430	2	Tube Sleeve	55	10049	4	Cap Screw (3/8-16 X 1" Lg.)
18	10431	2	Tube Nut	56	10247	4	Lockwasher
19	35281	1	Oil Line (3/8 Dia.)	57	10495	1	Compression Spring (1/2 O.D. X 1-5/8 Lg.)
20	10022	5	Soc. Hd. Cap Screw (1/4-20 X 1-1/2 Lg.; Torque to 110/120 in. lbs.)	58	21306	1	Spring Guide
21	60234OR9	1	Reservoir	59	21305	1	Valve Cap
22	41833	1	High Pressure Pump Ass'y (See sheet 3 of 5; Adjustment required)	60	10386	1	Hex Nut (3/8-24)
23	10361	1	Compression Spring (1/4 O.D. X 1" Lg.)	61	22362	1	Valve Adjusting Screw
24	10375	1	Steel Ball (1/4 Dia.)	62	207440	1	Coupling
25	23547	1	Top Bearing Plate	63	27003	2	Nylon Pin
26	11814	1	Ball Bearing	64	27001	1	Coupling
27	260022	1	Straight Fitting	65	10012	6	Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110/120 in. lbs.)
28	501077	1	Motor (3 H.P., 220/380V or 230/460V, 50/60 Hz)	66	10244	4	Lockwasher
29	27778	1	Square Key	67	209307	1	Motor Leads Decal (3 H.P., 575V, 60 Hz)
30	10133	2	Soc. Hd. Set Screw (#10-24 X 1/4 Lg.)	68	10527	1	O-ring (13/16 X .644 X .087)
31	41838	1	Motor Mount	69	18969	1	Tee Fitting
32	43110	1	Valve Mounting Block	70	306957	1	Air Bleed Valve
33	200395	1	Gasket	71	260023	1	90° Elbow Fitting
34	21345	1	Filter Ass'y	72	260021	1	Tube Extension
35	16876	18	Mach. Screw (#10-24 X 1/2 Lg.)	PARTS INCLUDED BUT NOT SHOWN			
36	12356	18	Serrated Washer (#10 Internal)				
37	60922	1	Cover Plate (.164 Thk.)	350431	1	Sight Gauge	
38	50712	1	Cover Gasket				

BOLT TIGHTENING SEQUENCE

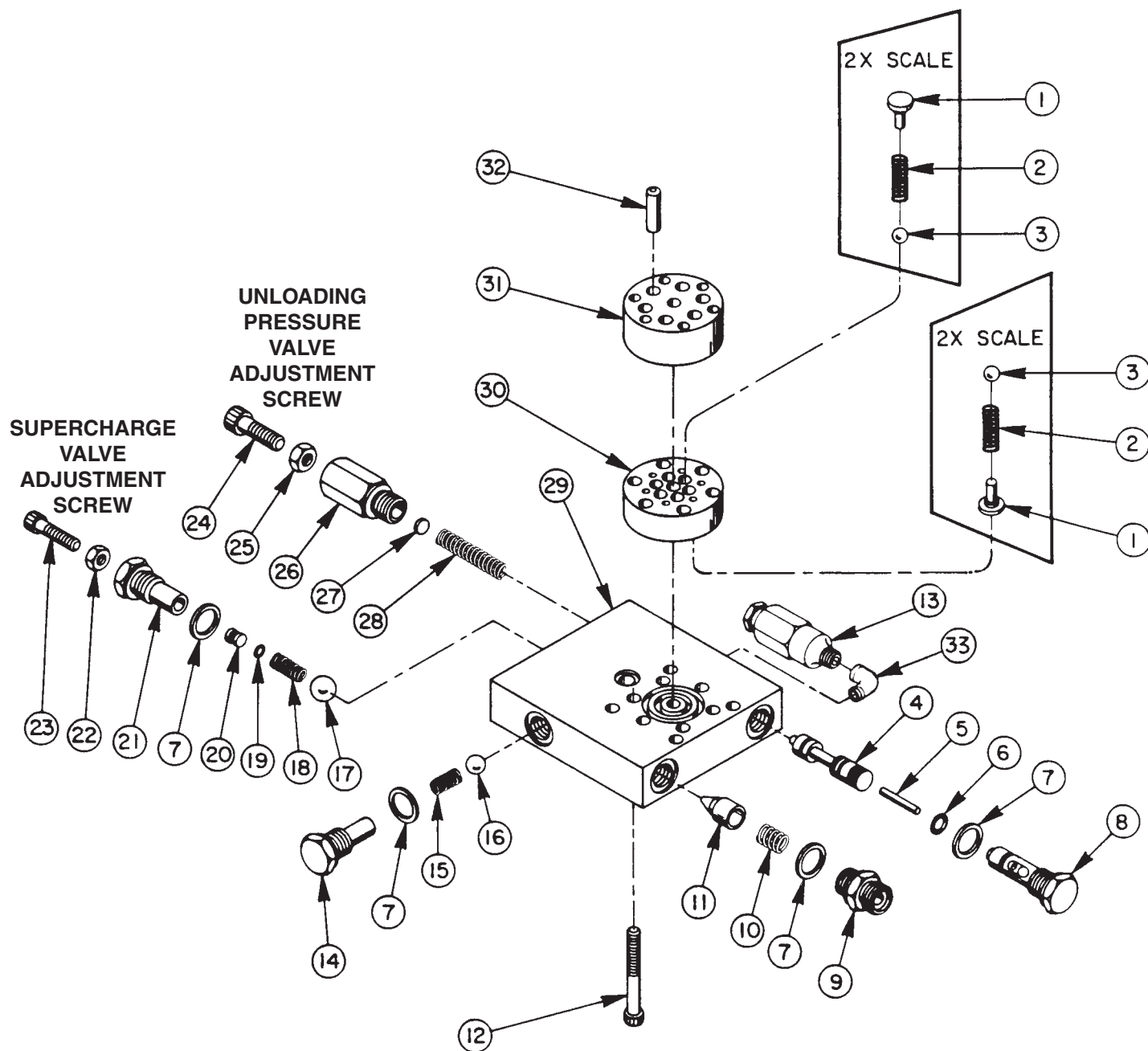


1. All bolts must be initially hand tightened in sequence shown (do not exceed 10 in. lbs.)
2. All bolts must be torqued in sequence shown. Torque to 110/120 in. lbs. in increments of 50/60 in. lbs.

COUPLING CLEARANCE



HIGH PRESSURE PUMP ASSEMBLY



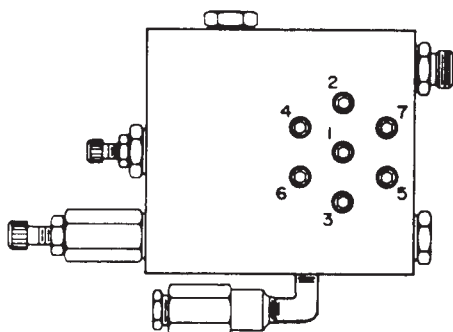
SEE DIAGRAM ON REVERSE
SIDE FOR IMPORTANT
ASSEMBLY INFORMATION

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.

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 (1/4 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)
4	200273	1	Spool	20	200271	1	Adapter
5	16471	1	Dowel Pin (1/8 X 1" Lg.)	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)	22	10383	1	Finished Jam Nut (1/4-20)
7	10261	4	Copper Washer (3/4 X 19/32 X 1/32)	23	10016	1	Soc. Hd. Cap Screw (1/4-20 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 X 1" Lg.)
9	20770	1	Connector (Torque to 30/35 ft. lbs.)	25	10385	1	Finished Jam Nut (5/16-18)
10	10425	1	Compression Spring (3/8 O.D. X 3/4 Lg.)	26	36545	1	Fitting, Unloading
11	20771	1	Poppet	27	16528	1	Disc
12	*15318	7	Soc. Hd. Cap Screw (1/4-28 X 2" Lg.; See diagram below)	28	203031	1	Compression Spring (.300 O.D. X 1-3/4 Lg.)
13	21278	1	Relief Valve Ass'y (Set at 10,100/10,700 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 (9/32 Dia.)
				33	13229	1	90° Elbow Fitting

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

BOLT TIGHTENING SEQUENCE



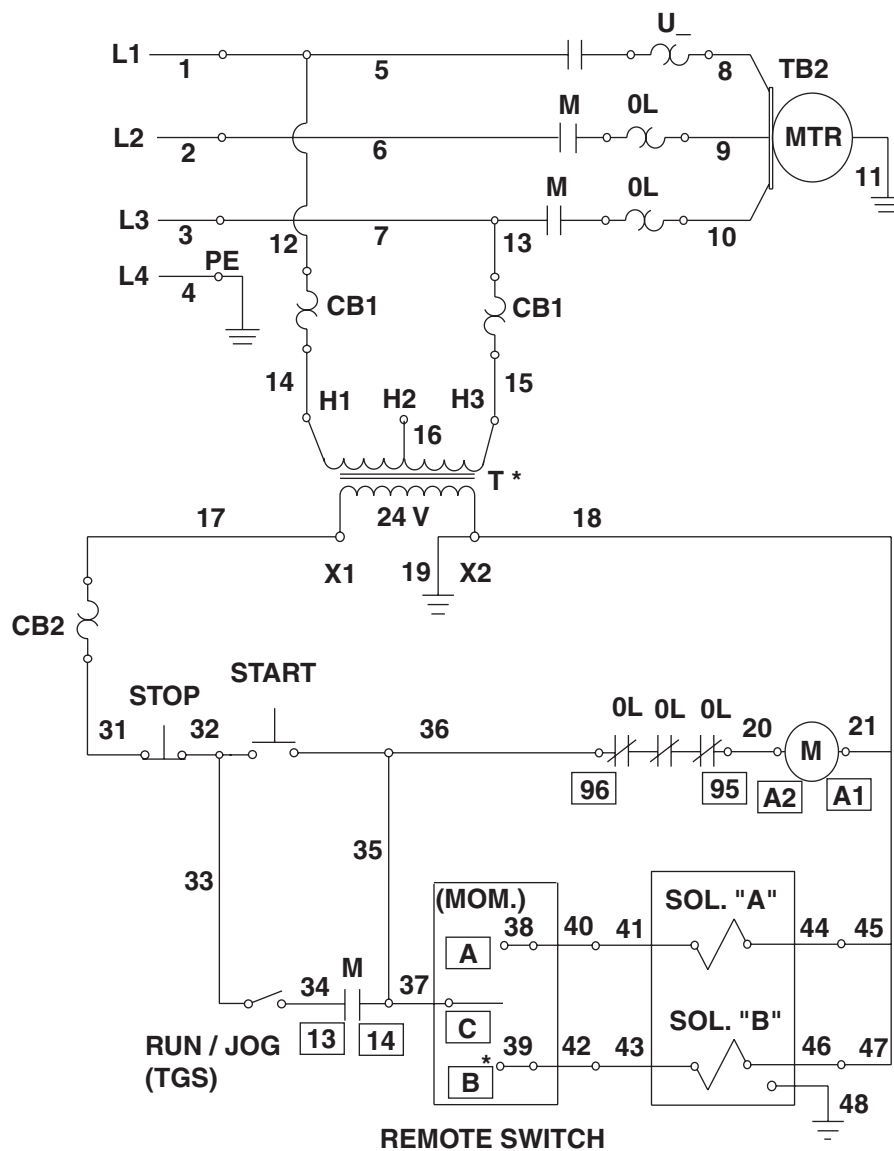
**NOTE: Assemble in sequence shown.
Lubricate under head and on threads.
Torque to 180 in. lbs.**

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 Power Team replacement parts!**

Additional questions can be directed to our Technical Services Department.

ELECTRIC SCHEMATICS SOLENOID OPERATED UNIT 380 VOLT, 50 HZ THREE PHASE

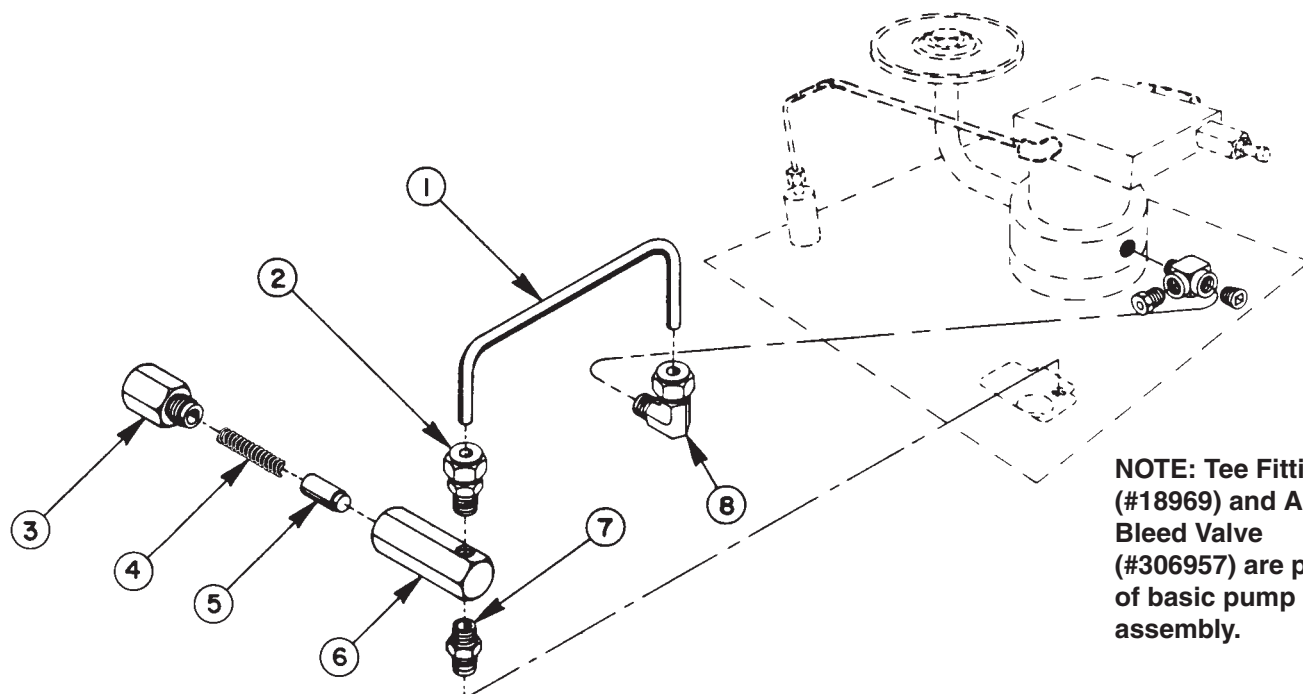


WARNING: To help prevent personal injury, all electrical work must be done by a qualified electrician.

North American & International Color Codes:

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

OPTIONAL PILOT OIL LINE/ACCUMULATOR 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)



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