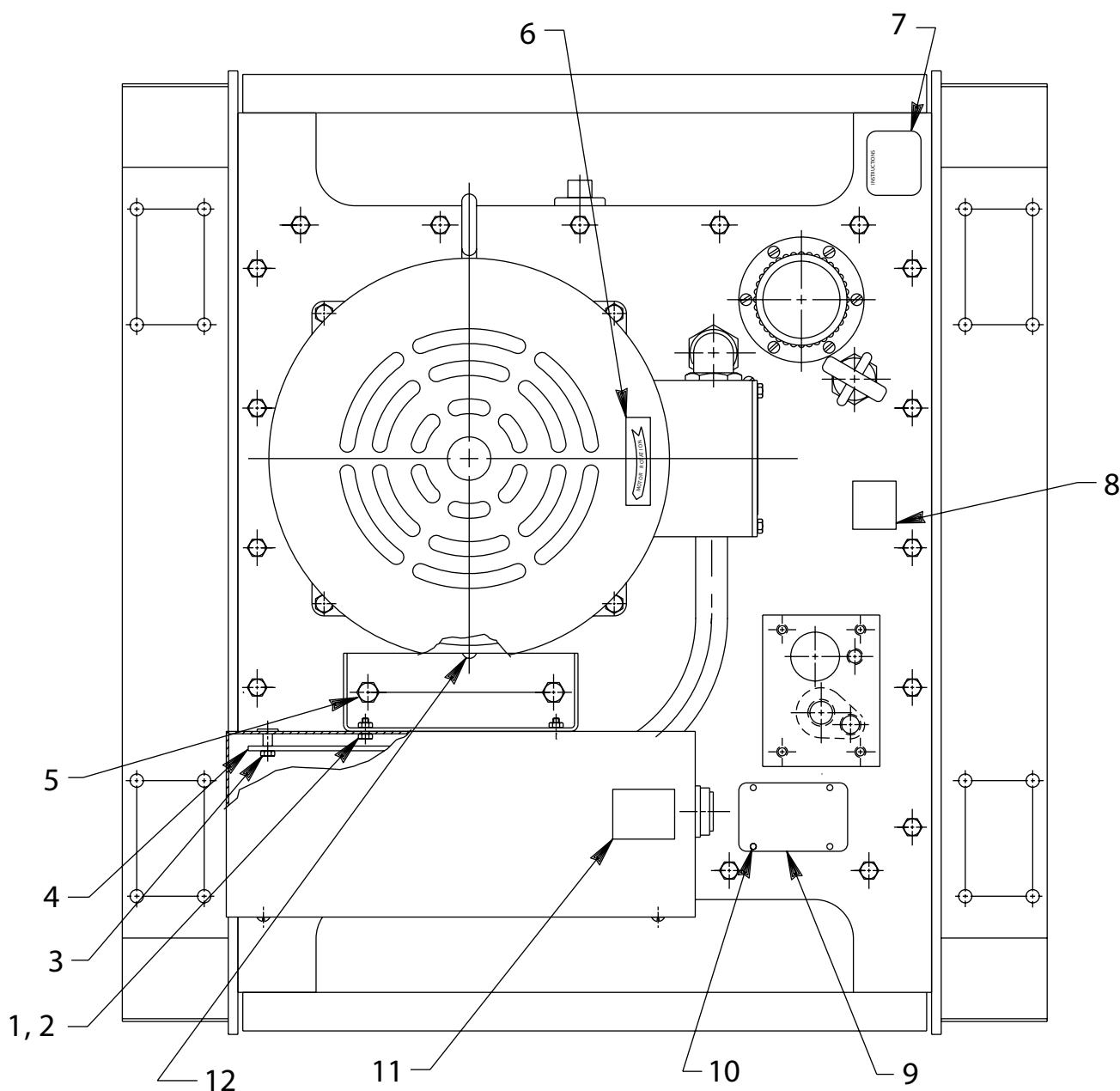


50/60 CYCLE HIGH PRESSURE POWER UNIT

TOP VIEW



PARTS LIST

Item No	Part No	No. Req'd	Description
1	12809	5	Locknut (1/4-20 UNC)
2	10005	3	Cap Screw (1/4-20 UNC X 1/2 Lg.)
3	10004	4	Cap Screw (1/4-20 UNC X 3/8 Lg.)
4	60557	1	Basic Electrical Assembly
5	15273	6	Cap Screw (5/16-18 UNC X 1/2 Lg.)
6	27556	1	Rotation Decal
7	203755	1	Instruction Decal
8	205112	1	Patent Decal
9	202120	1	Nameplate
10	10575	4	Drive Screw (#2 X 3/16 Lg.)
11	203756	1	Warning Decal
12	10820	1	Drive Screw
PARTS INCLUDED BUT NOT SHOWN			
	214486	4	Swivel Caster (4" dia.)
	10027	16	Cap Screw (5/16-18 UNC X 5/8 Lg.)
	13116	16	Hex Nut (5/16-18 UNC)
	37800	1	Electrical Schematic Decal (60 Cycle)
	38591	1	Electrical Schematic Decal (50 Cycle)

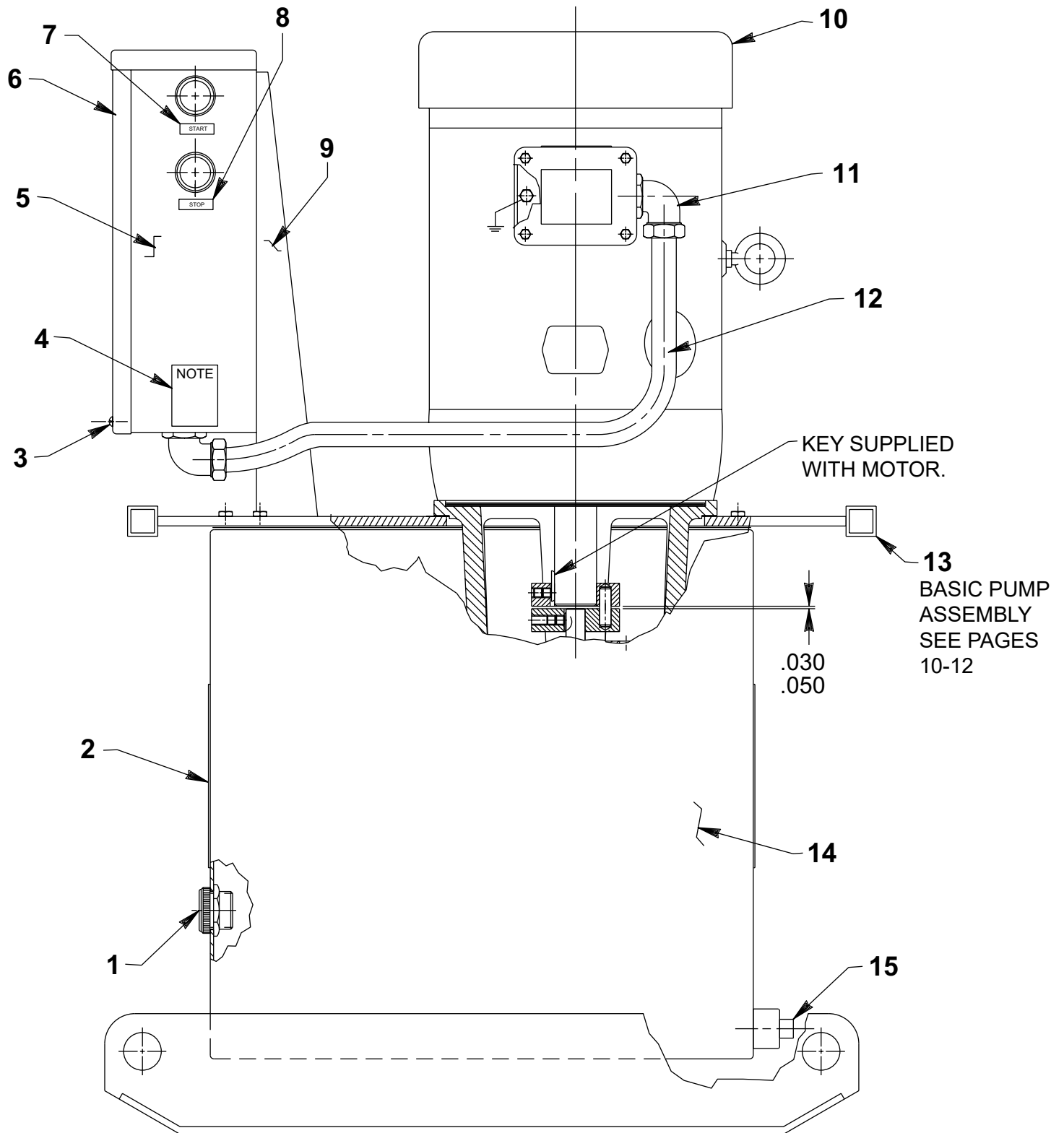
Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

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.

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

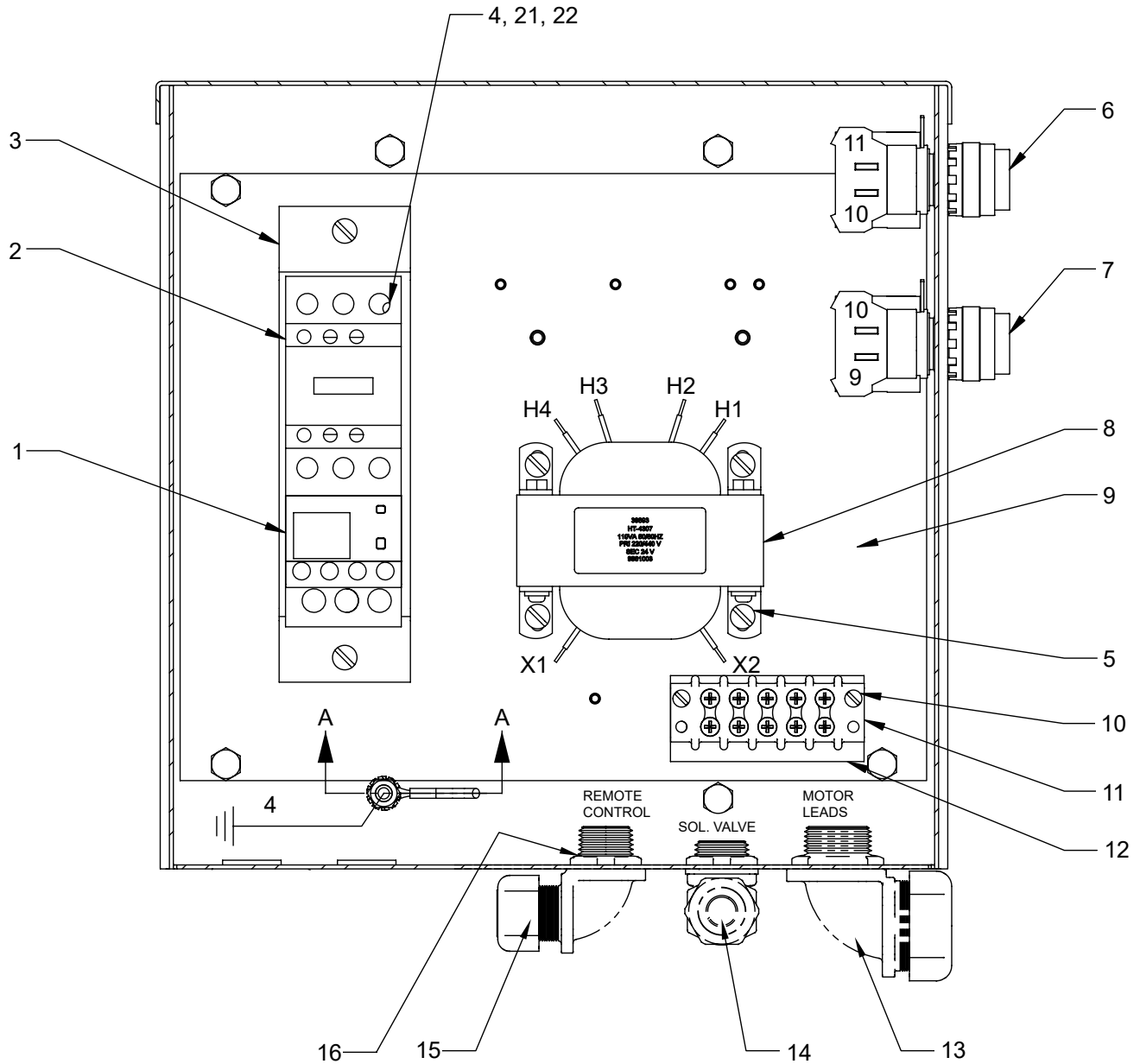
SIDE VIEW



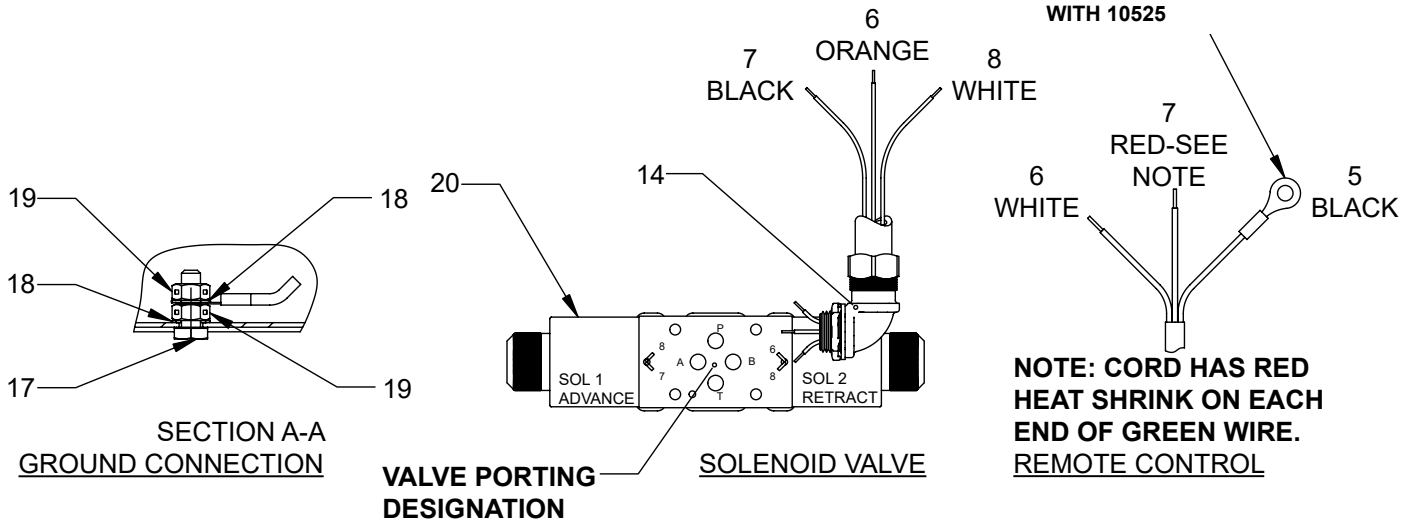
PARTS LIST

Item No	Part No	No. Req'd	Description
1	17586	1	Liquid Level Sight Gauge
2	309221	1	Trade Name Decal
3	13534	2	Self-tapping Screw (10-16 X 3/8" Lg.)
4	204015	2	Electrical Decal
5	60439WH2	1	Electrical Box Body
6	51107WH2	1	Electrical Box Cover
7	203808	1	Decal (Start)
8	203769	1	Decal (Stop)
9	51099WH2	1	Mounting Bracket (For electrical box)
10	19326WH2	1	Electric Motor (10 HP with Key; 230/460 VAC, 60 Hz.)
	39537WH2	1	Electric Motor (10 HP with Key; 220/380 VAC, 50 Hz.)
11	13343	2	90° Elbow for 3/4" Sealtite Conduit
12	13340	1.3 ft	Sealtite Conduit (3/4")
13	60556	1	Basic Pump Assembly (5 GPM; See pages 10-12)
	65252	1	Basic Pump Assembly (For PE4004S-LM)
	64541	1	Basic Pump Assembly (For PE4004S-BAR)
14	60430OR9	1	Reservoir Assembly
15	11049	1	Drain Plug
PARTS INCLUDED BUT NOT SHOWN			
	200188	1	Warning Decal

ELECTRICAL ASSEMBLY



**REMOVE EXISTING
TERMINAL AND REPLACE
WITH 10525**

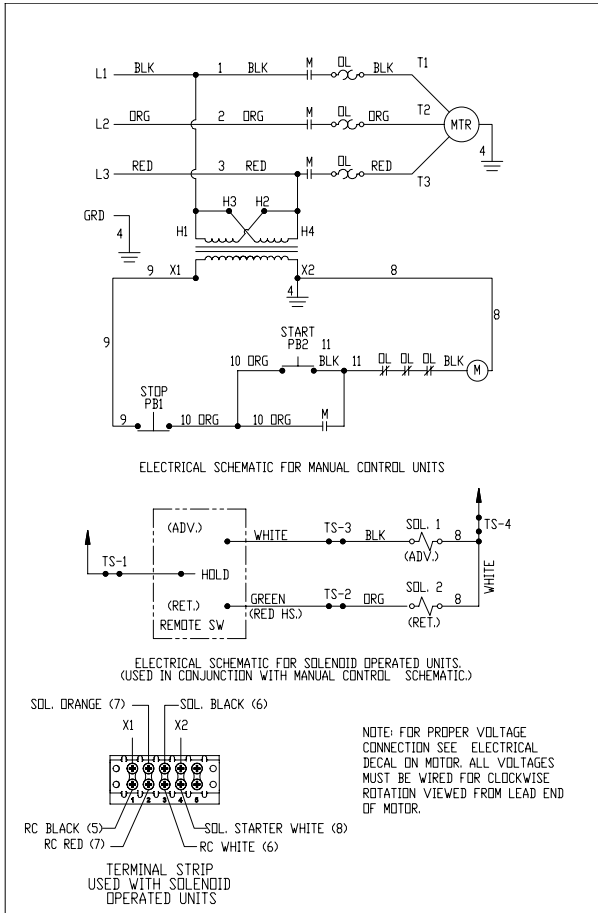


PARTS LIST

Item No	Part No	No. Req'd	Description
1	360022	1	Overload Relay (460VAC, 60Hz)
	360013	1	Overload Relay (380VAC, 50Hz)
	2002403	1	Overload Relay (230VAC, 60Hz)
	2002401	1	Overload Relay (For PE4004S, 460VAC, 60Hz)
2	422011	1	Contactor (For 360022 & 360013)
	2002398	1	Contactor (For 2002401 & 2002403)
3	2002397	1	Contactor Bracket
4	16099	2	Screw (#6-20 X 3/4 Lg.)
5	13063	6	Machine Screw (10-24 UNC X 1/4 Lg.)
6	39282	1	Push Button Switch (Green)
7	39283	1	Push Button Switch (Red)
8	39693	1	Transformer (230/460 VAC, 60 Hz.)
	39750	1	Transformer (220/380 VAC, 50 Hz.)
9	51106OR9	1	Stand-off Plate
10	11426	2	Machine Screw (6-32 UNC x 1/2 Lg.)
11	17841	1	Terminal Block
12	17842	1	Imprinted Marker Strip
13	13343	2	90° Elbow for 3/4" Sealtite Conduit
14	17840	2	90° for 3/8" Conduit
15	13529	1	Cord Grip (Remote control)
16	11362	1	Conduit Locknut
17	10009	1	Cap Screw
18	11351	2	Lockwasher (1/4 External Tooth)
19	12809	5	Locking Nut (1/4-20 UNC)
20	16664-4	1	4-way Solenoid Valve (24 Volt, 50/60 Hz)
21	10195	2	Nut (#6-32 UNC)
22	17656	2	Washer
VALVE AND SWITCH OPTIONS			
	9506	1	4-Way Manual Valve (See Parts List No. 100628)
	9512	1	4-Way Solenoid Valve (See Parts List No. 101653)
	202778	1	Remote Control Hand Switch (For 4-way solenoid valves; See Parts List No. 101644)

ELECTRICAL SCHEMATIC

230/460 V.A.C., 60 CYCLE



TRANSFORMER CONNECTIONS

230 V.A.C., 60 HZ

H1 and H3 to L1

H2 and H4 to L3

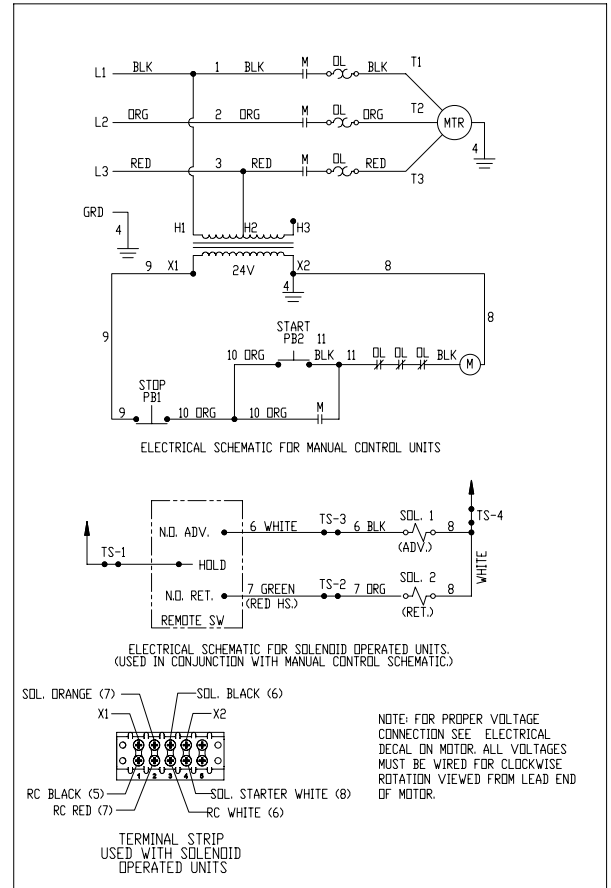
460 V.A.C., 60 HZ

H2 and H3

H1 to L1

H4 to L3

220/380 V.A.C., 50 CYCLE



TRANSFORMER CONNECTIONS

220 V.A.C., 50 HZ

H1 to L1

H2 to L3

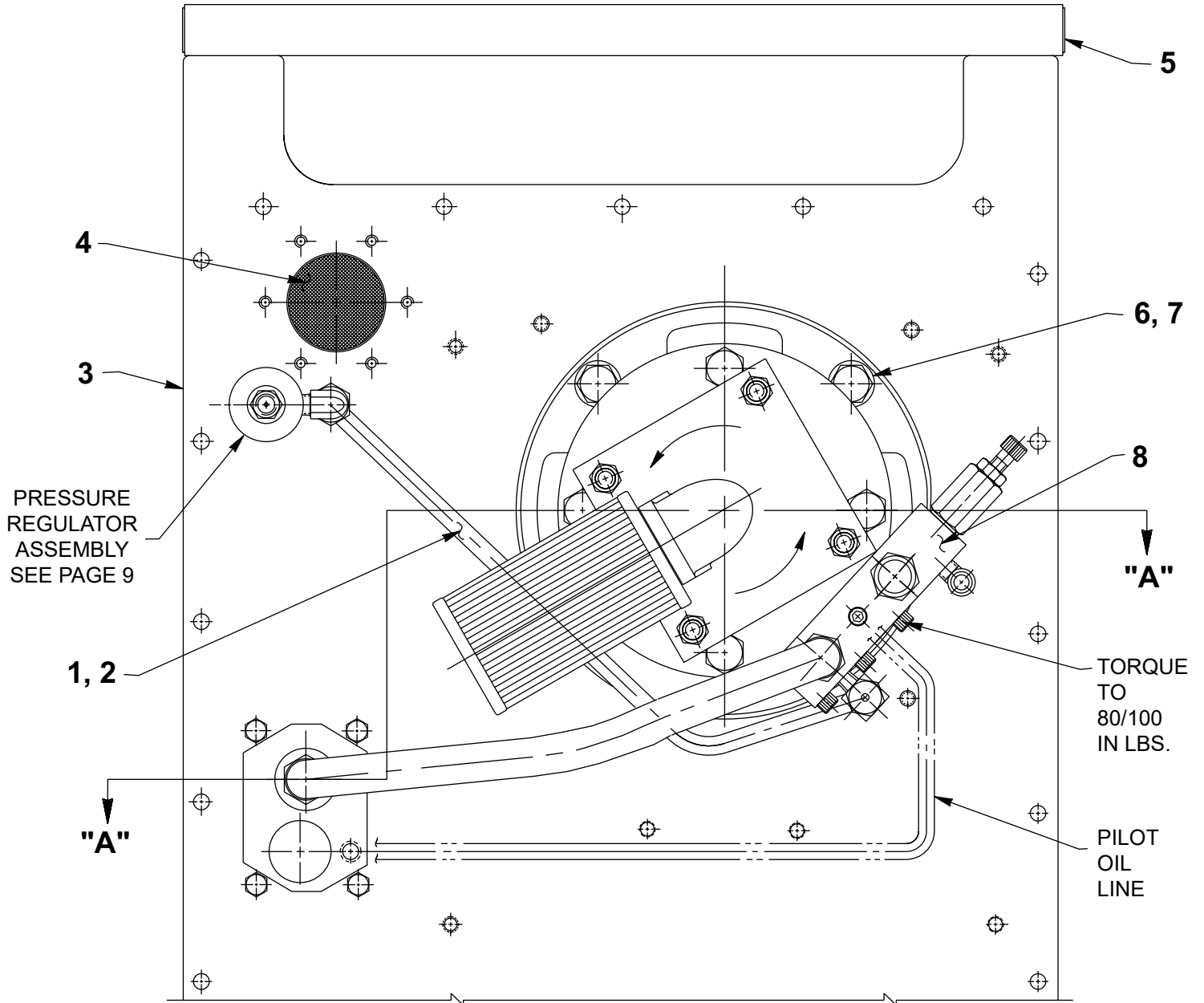
380 V.A.C., 50 HZ

H1 to L1

H3 to L3

NOTE: Unused lead to be capped with splice cap.

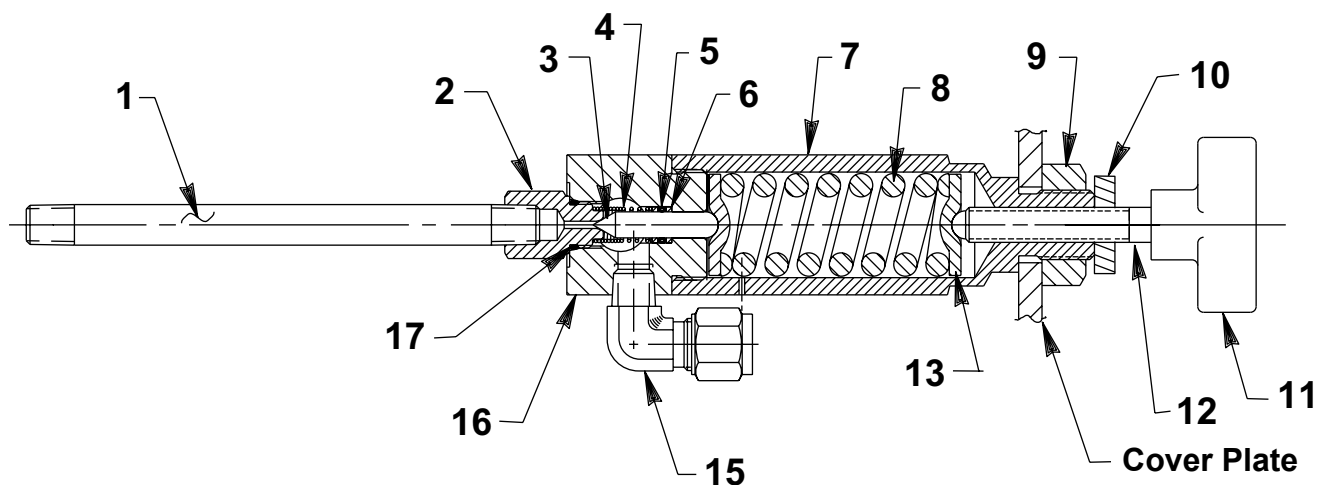
BASIC PUMP ASSEMBLY - TOP VIEW



Item No	Part No	No. Req'd	Description
1	43647	1	Regulator Oil Line Assembly
2	12696	1	Straight Fitting
3	51098WH2	1	Cover Plate Weldment
	65253WH2	1	Cover Plate Weldment (For PE4004S-LM)
4	13167	1	Filler/Breather Assembly
5	12126	4	Square Plastic Insert
6	11623	4	Cap Screw (1/2-13 UNC X 1-1/4 Lg.)
7	10249	8	Spring Lockwasher
8	42795	1	Unloading Valve Assembly (See pages 13-14)

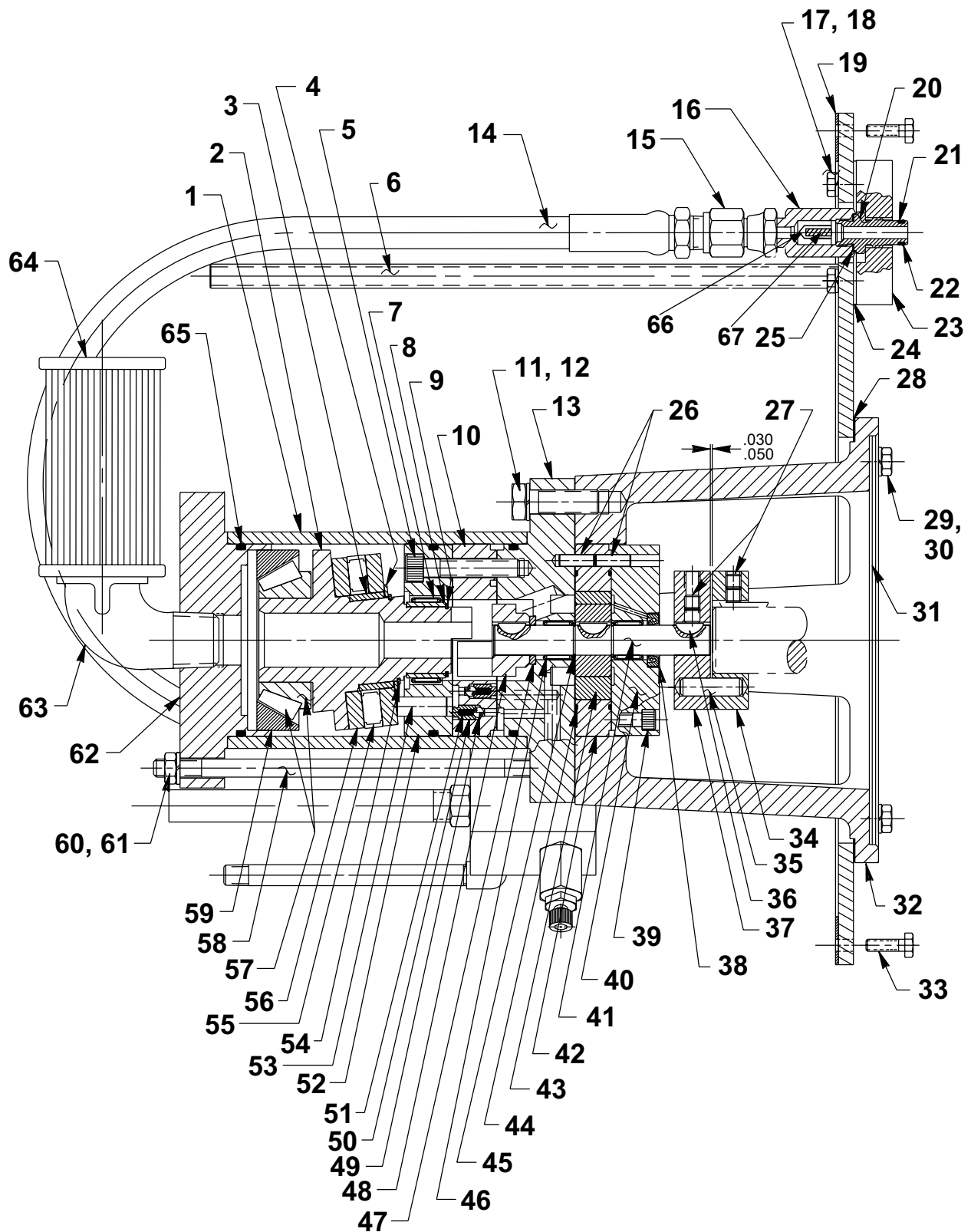
PARTS LIST

PRESSURE REGULATOR ASSEMBLY SECTION B-B



Item No	Part No	No. Req'd	Description
1	14463	1	Drain Tube
2	309078	1	Seat Fitting
3	309079	1	Poppet
4	215431	1	Compression Spring
5	10266	1	O-ring (3/8 x 1/4 x 1/16)
6	215430	2	Backup Washer (3/8 x 9/32 x 3/64)
7	309077	1	Spring Housing
8	215429	1	Compression Spring (1.100 O.D. x 2-1/2 Lg.)
9	10396	1	Jam Nut (3/4-16 UNF)
10	215683	1	Regulator Locking Nut
11	215693	1	Tee Knob
12	215721	1	Stem (Note: Assemble to knob [item #11] with Loctite No. 242 or equiv.)
13	215428	2	Spring Retainer
14	10475	1	90° Elbow Fitting
15	47648	1	Regulator Body
16	13755	1	O-ring (9/16 x 13/32 x 5/64)

BASIC PUMP ASSEMBLY - SIDE VIEW



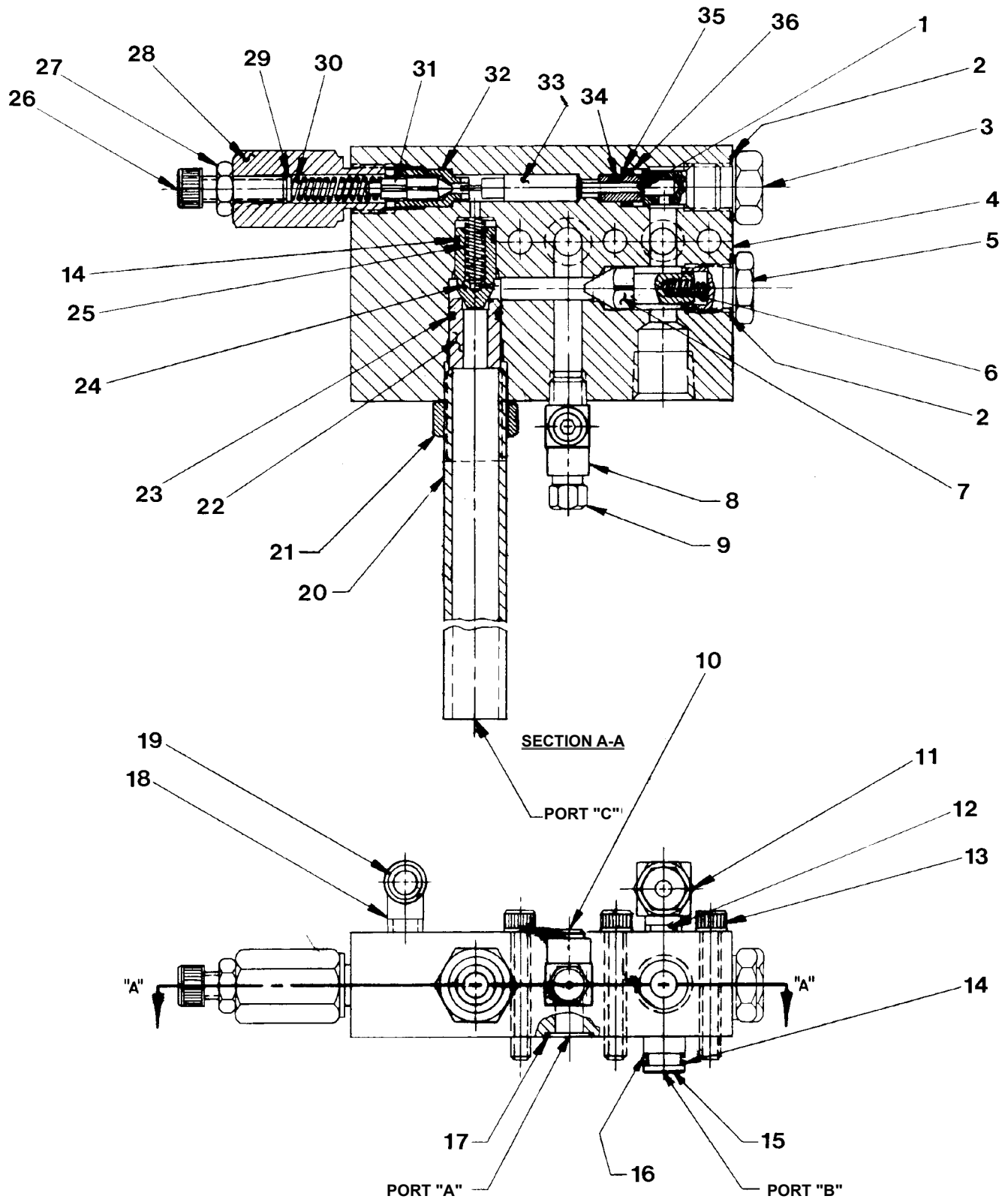
SECTION "A"- "A"

PARTS LIST

Item No	Part No	No. Req'd	Description
1	37384	1	Pump Housing
2	51059	1	Angle Plate
3	203476	1	Bushing
4	17566	1	Steel Washer (For 1-3/4 Bolt)
5	11531	8	Cap Screw (3/8-16 UNC X 2" Lg.; Cross torque in increments of 100 in. lbs. to 340/360 in. lbs. Note: Used on pumps built before 2-21-97.)
	12866	8	Cap Screw (3/8-16 UNC X 2-1/4" Lg.; Cross torque in increments of 100 in. lbs. to 460/480 in. lbs. Note: Used on pumps built after 2-21-97.)
6	204265	1	Drain Tube
7	17505	1	Needle Bearing
8	17504	1	Race Bearing
9	17312	1	Retainer Ring
10	42732	1	Valve Head (8 piston)
11	10249	8	Spring Lockwasher
12	10083	4	Cap Screw (1/2-13 UNC X 1-1/2 Lg.; Torque to 80/100 in. lbs.)
13	60415	1	Pump End Plate
14	351316	1	Hyd. Hose
15	17582	1	Swivel Fitting
16	21566	1	Valve Body
17	10009	4	Cap Screw (1/4-20 UNC X 3/4 Lg.)
18	10245	4	Spring Lockwasher
19	42779	1	Reservoir Gasket
20	201817	1	Valve Connector
21	11863	1	Backup Washer
22	10268	2	O-ring (1/2 X 3/ X 1/16)
23	43110	1	Valve Mounting Block
24	200395	1	Gasket
25	10261	1	Soft Copper Washer (3/4 X 19/32 X 1/32)
26	17567	4	Spring Pin
27	10141	4	Set Screw (5/16-18 UNC X 5/16 Lg.)
28	42796	1	Gasket (Mounting Bracket)
29	10032	4	Cap Screw (5/16-18 UNC X 1" Lg.)
30	10246	4	Spring Lockwasher
31	42757	1	Gasket (Electric Motor)
32	51089	1	Mounting Bracket
33	10009	20	Cap Screw (1/4-20 UNC X 3/4 Lg.)
34	37387	1	Coupling
35	203485	2	Nylon Pin

Item No	Part No	No. Req'd	Description
36	204537	3	Woodruff Key
37	37386	1	Coupling
38	12194	1	Oil Seal
39	10854	6	Cap Screw (1/4-20UNC X 1-3/4 Lg.; Cross torque to 80/100 in. lbs.)
40	51064	1	Front End Plate
41	37376	1	Pump Shaft
42	42782	1	Eccentric Ring
43	17313	1	Gerotor Set
44	17315	2	O-ring (2-7/8 X 2-3/4 X 1/16)
45	12178	2	Retainer Ring
46	15430	2	Needle Bearing
47	17435	1	Thrust Washer
48	37378	1	Drive Coupling
49	10374	16	Steel Ball (7/32 Dia.)
50	203477	16	Ball Guide
51	17319	17	Compression Spring (1/8 O.D. X 1/2 Lg.)
52	43313	1	Pump Barrel
53	204578	8	Piston (.399 dia.; Install piston with 6° angle toward angle plate.)
54	14368	1	Retainer Ring
55	17316	2	Race Bearing
56	17317	1	Thrust Bearing
57	17311	1	Cone Bearing
58	17318	1	Race Bearing
59	203542	4	Tie Rod
60	10204	4	Steel Nut (3/8-16 UNC)
61	10247	4	Spring Lockwasher
62	42737	1	End Cap
63	10706	1	Pipe Elbow
64	17491	1	Filter
65	11931	3	O-ring (4" X 3-3/4 X 1/8)
66	20771	1	Poppet
67	10425	1	Compression spring
PARTS INCLUDED BUT NOT SHOWN (For PE4004S-LM)			
	252239	1	Bulkhead Fitting
	252240	1	Straight Fitting
	12546	1	Plastic Cap
	14993	1	Straight Fitting
	10682	1	Straight Fitting
	12360	1	Straight Fitting
	212998	1	Straight Fitting

UNLOADING VALVE ASSEMBLY



Item No	Part No	No. Req'd	Description
1	12149	1	Dowel Pin (1/8 Dia. X 3/4 Lg.)
2	10261	2	Copper Washer (3/4 X 19/32 X 1/32)
3	37430	1	Adapter (Torque to 35/40 ft. lbs.)
4	60414	1	Valve Body
5	205394	1	Valve Plug (Torque to 35/40 ft. lbs.)
6	15141	1	Compression Spring (3/16 O.D. X 5/8 Lg.)
7	205393	1	Poppet
8	18969	1	Tee Fitting
9	306957	1	Air Bleed Valve
10	10427	1	Pipe Plug (1/8 NPTF)
11	21278	1	Relief Valve Assembly (Set at 10,100/10,700 PSI)
	21278-105	1	Relief Valve Assembly (Set at 10,600/11,100 PSI; For PE4004S-BAR)
12	24702	1	Tee
13	10022	3	Cap Screw (1/4-20 UNC X 1-1/2 Lg.)
14	10268	3	O-ring (1/2 X 3/ X 1/16)
15	21094	1	Bushing
16	11863	2	Backup Washer
17	12098	1	O-ring (9/16 X 7/16 x 1/16)
18	13229	1	90° Elbow
19	14463	1	Drain Tube
20	203620	1	Drain Tube
21	10396	1	Jam Nut (3/4-16 UNF)
22	203621	1	Bushing
23	10301	1	O-ring (5/8 X 1/2 X 1/16)
24	37423	1	Poppet
25	11221	1	Compression Spring (1/4 O.D. X 1" Lg.)
26	11013	1	Cap Screw (5/16-18 X 1" Lg.)
27	10385	1	Jam Nut (5/16-18 UNC)
28	36545	1	Fitting (Unloading; Torque to 25/30 ft. lbs.)
29	16528	1	Spacer
30	17413	1	Compression Spring (5/16 O.D. x 1-1/2 Lg.)
31	203541	1	Poppet
32	37427	1	Guide
33	203540	1	Plunger Assembly
34	17414	1	Bushing
35	15085	1	Backup Washer (7/16 X 5/16 X 3/64 Thk.)
36	10267	1	O-ring (7/16 X 5/16 X 1/16)