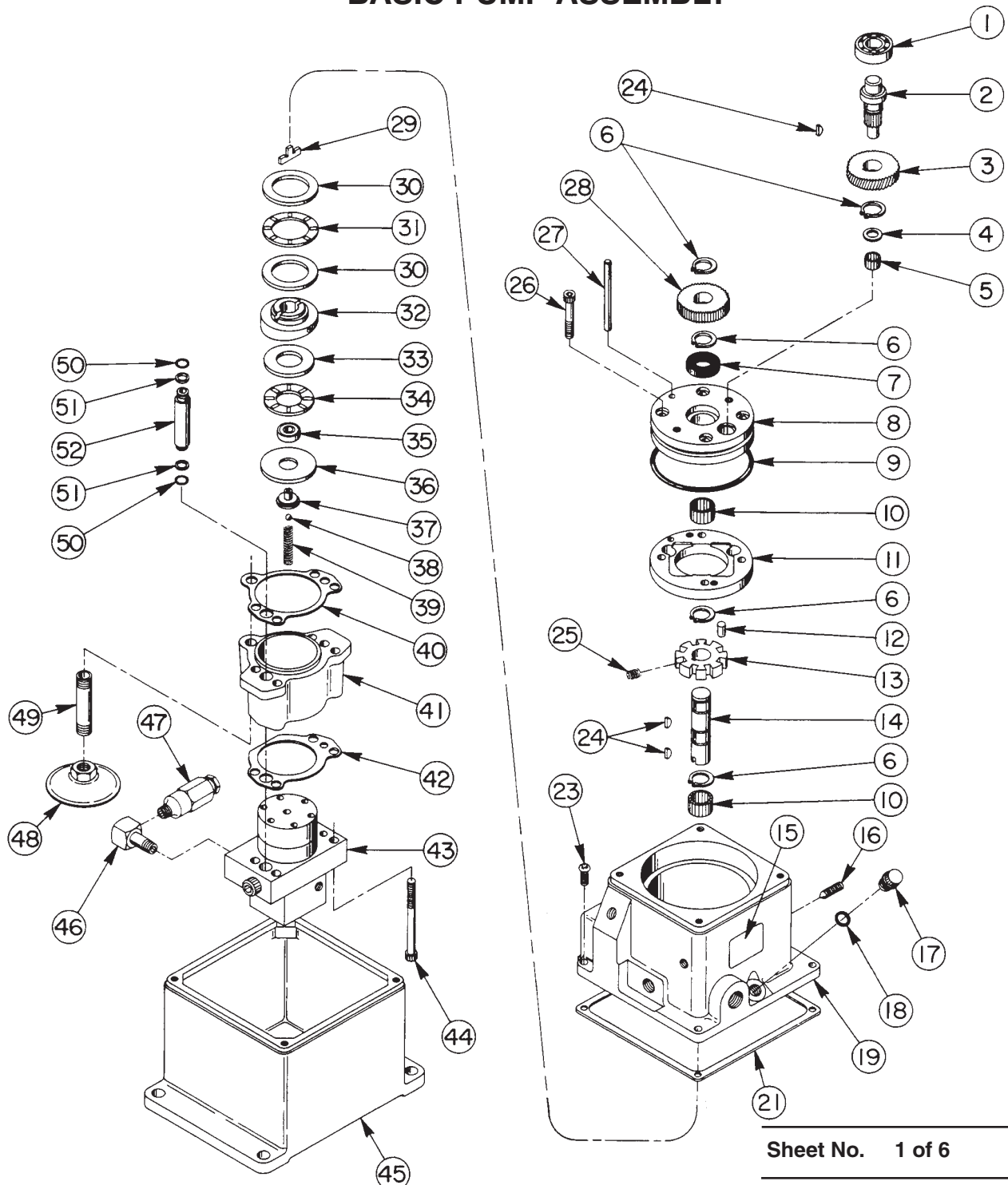


Parts List for:

PE183C
PE183C-50-220
PE183CF

MODEL C
ELECTRIC HYDRAULIC PUMP
BASIC PUMP ASSEMBLY



Sheet No. 1 of 6

Rev 5 Date: 20 May 2003

Parts List, Form No. 100622, Back sheet 1 of 6

Item No.	Part No.	No. Req'd	Description
1	13115	1	Ball Bearing
2	32069	1	Pinion Shaft
3	24536	1	Helical Gear
4	24744	1	Thrust Washer
5	12191	1	Needle Bearing
6	12178	5	Retaining Ring (5/8 shaft)
7	12194	1	Oil Seal
8	33463	1	Pump End Plate
9	10297	1	O-ring (3-1/2 X 3-1/4 X 1/8)
10	12192	2	Needle Bearing
11	33464	1	Pump Ring
12	12193	8	Roller
13	28357	1	Rotor
14	202875	1	Shaft
15	12204	1	Decal, Vent
16	15305	1	Set Screw
17	350888	1	Filler Cap
18	10300	1	O-ring (5/8 X 15/32 X 5/64)
19	45951	1	Pump Body
21	32713	1	Gasket
23	13026	4	Machine Screw (#10-24 UNC X 3/4 Lg.)
24	12179	3	Woodruff Key
25	14079	8	Compression Spring (1/4 O.D. X 3/8 Lg.)
26	10022	4	Soc. Hd. Cap Screw (1/4-20 UNC X 1-1/2 Lg.)
27	24758	1	Locating Pin
28	24567	1	Spur Gear

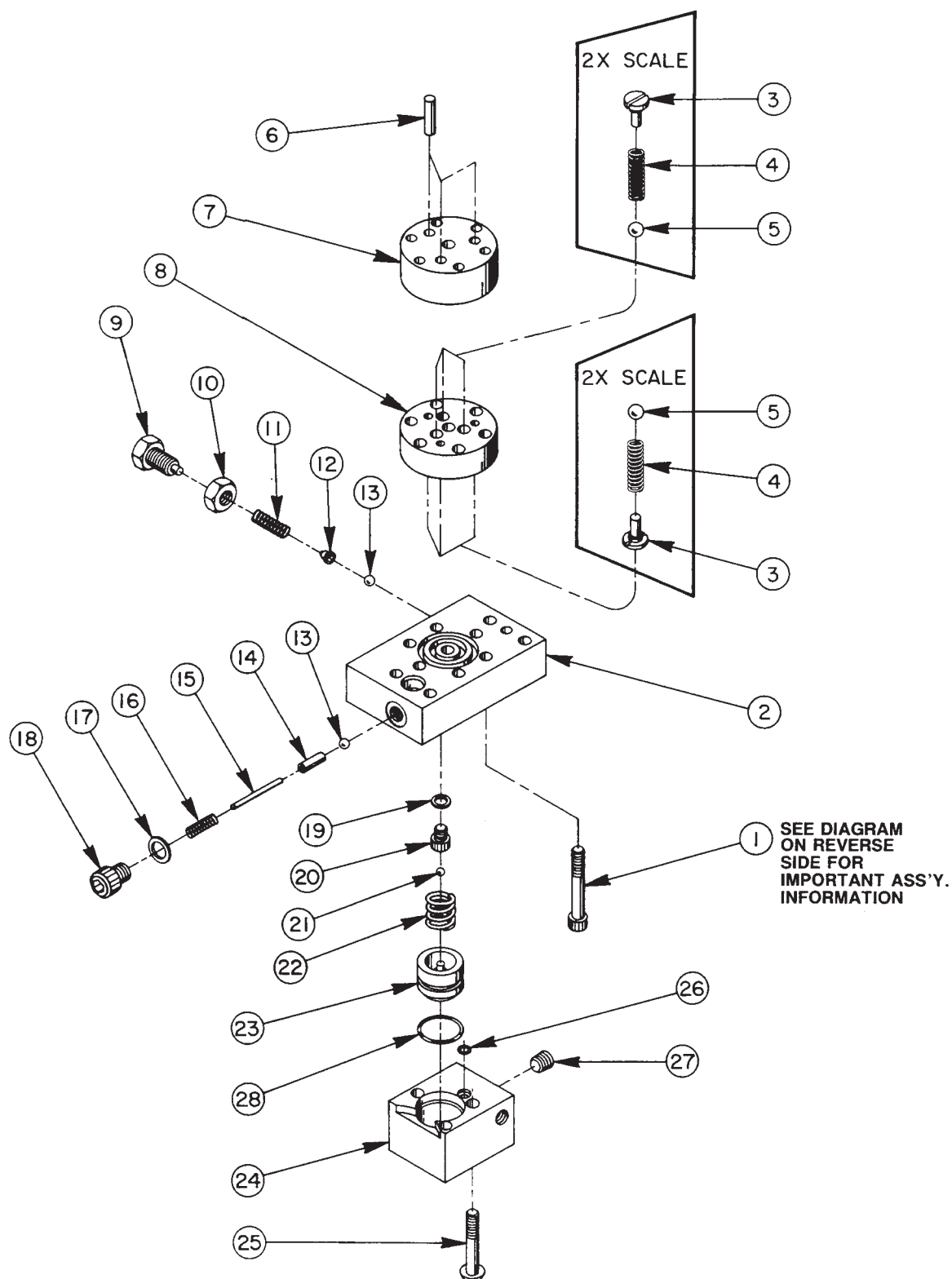
Item No.	Part No.	No. Req'd	Description
29	200397	1	Key
30	11227	2	Bearing Race
31	11228	1	Needle Thrust Bearing
32	35271	1	Angle Plate
33	15432	1	Bearing Race
34	15431	1	Thrust Bearing
35	11814	1	Ball Bearing
36	23548	1	Top Plate
37	23547	1	Top Plate Bearing
38	10375	1	Ball (1/4 Dia.)
39	10361	1	Compression Spring (1/4 O.D. X 1" Lg.)
40	202691	1	Upper Gasket
41	36923	1	Spacer
42	202690	1	Lower Gasket
43	37013	1	High Pressure Pump Ass'y (See sheet 2 of 6)
44	11956	4	Soc. Hd. Cap Screw (1/4-20 UNC X 3" Lg.)
45	40756OR9	1	Reservoir
46	28859	1	Elbow
47	21278	1	Relief Valve Assembly
48	29682	1	Filter Assembly
49	202781	1	Suction Tube
50	10267	2	O-ring (7/16 X 5/16 X 1/16)
51	15085	2	Backup Washer (7/16 X 5/16 X 3/64)
52	202688	1	Tube

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.

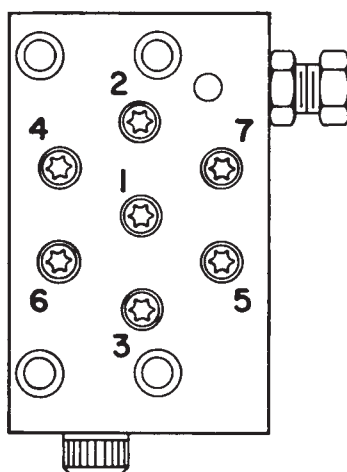
HIGH PRESSURE PUMP ASSEMBLY WITH AUTOMATIC VALVE



Item No.	Part No.	No. Req'd	Description
1	*16747	7	Torx Drive Cap Screw (See diagram below)
2	*36910	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
11	15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)
12	200796	1	Adapter
13	10375	2	Steel Ball (1/4 Dia.)
14	201998	1	Sleeve
15	12571	1	Roll Pin (1/8 dia. X 1-3/8 Lg.)
16	16057	1	Compression Spring (3/16 O.D. X 1"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	10442	1	Copper Washer (3/8 X 1/4 X 1/32)
20	201995	1	Replaceable Seat (Torque to 80/90 in. lbs.)
21	10419	1	Steel Ball (5/32 dia.)
22	16465	1	Compression Spring (5/8 O.D. X 3/4 Lg.)
23	202944	1	Piston
24	42530	1	Valve Cylinder
25	10614	3	Rd. Hd. Mach. Screw
26	10264	1	O-ring (1/4 X 1/8 X 1/16)
27	11084	1	Pipe Plug (1/16 NPTF)
28	12779	1	O-ring (15/16 X 13/16 X 1/16)

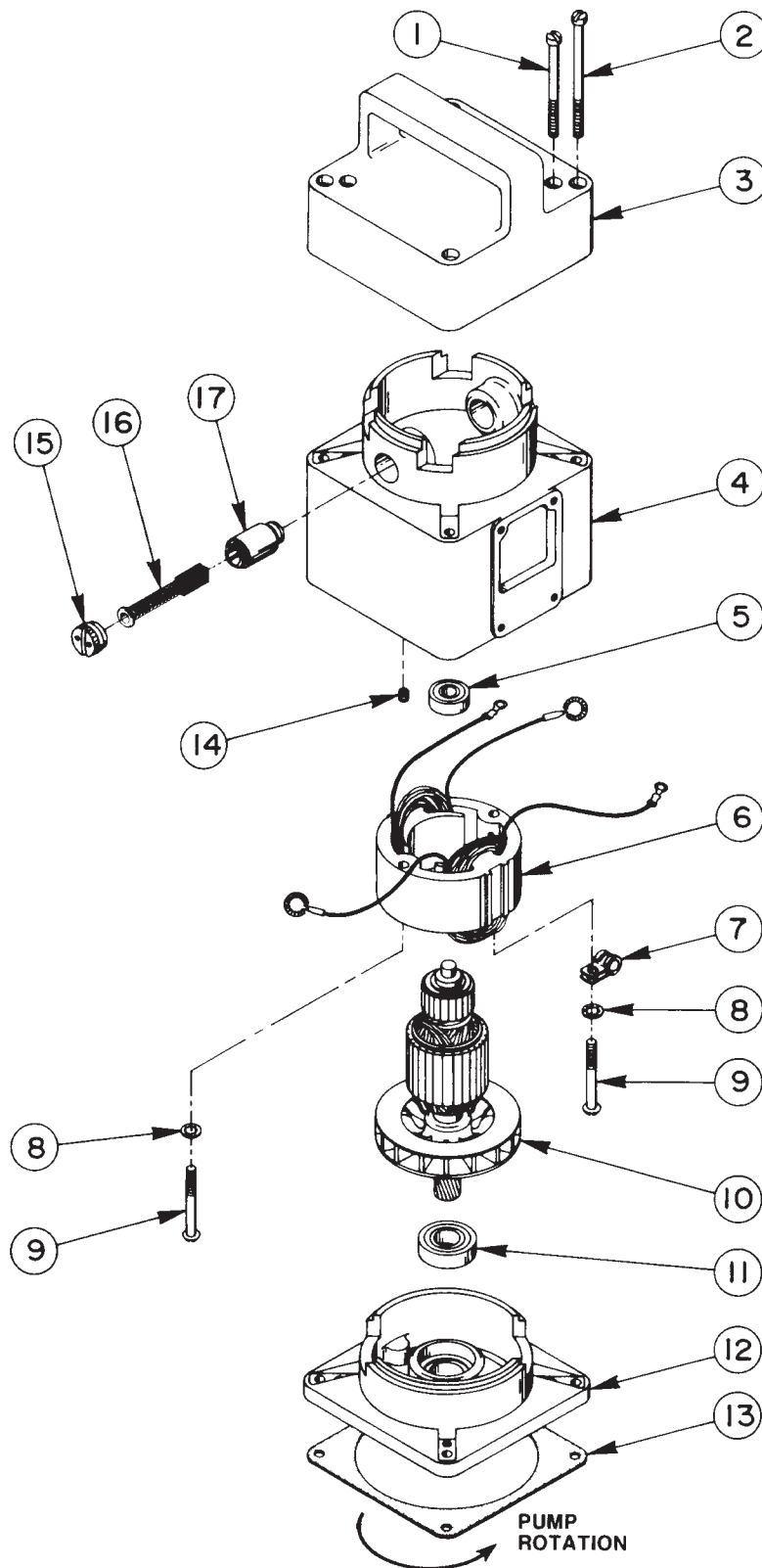
Consult factory when replacing items marked with an asterisk (*)

BOLT TIGHTENING SEQUENCE



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

BASIC MOTOR ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	12802	2	Machine Screw (#10-24 UNC X 5-1/2 Lg.)
2	12820	4	Machine Screw (#10-24 UNC X 6" Lg.)
3	32395	1	Motor Shell Cover
4	40750	1	Motor Shell
5	16768	1	Ball Bearing
6	12140	1	Field (115 Volt)
	12141	1	Field (230 Volt)
7	13111	1	Speed Clamp
8	12356	2	Lockwasher
9	12515	2	Machine Screw (#10-24 UNC X 1-3/4 Lg.)
10	16769	1	Armature (115 Volt)
	16770	1	Armature (230 Volt)
11	12133	1	Ball Bearing
12	40753	1	Motor Base
13	32714	1	Gasket
14	12131	2	Sec Screw (#10-24 UNC X 3/16 Lg.)
15	12143	2	Brush Cap
16	12144	2	Brush Assembly
17	12142	2	Brush Holder

ELECTRICAL SCHEMATIC - HANDSWITCH

115 Volt, 50/60 Hz. Single Phase (Shown)
230 Volt, 50/60 Hz. Single Phase
with Remote Control Hand Switch

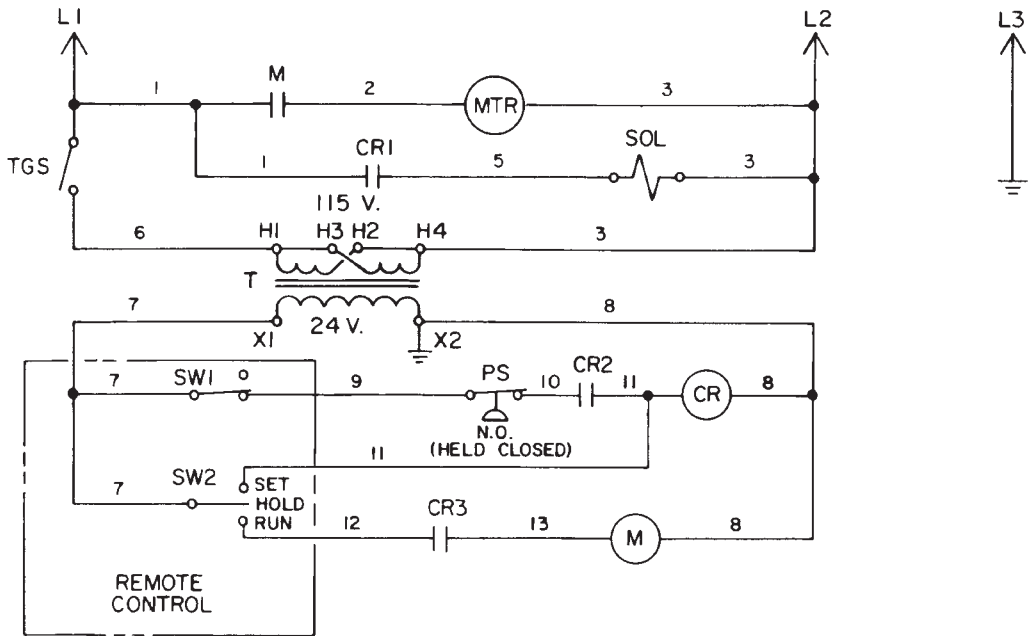


WARNING

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

North American & International Color Codes

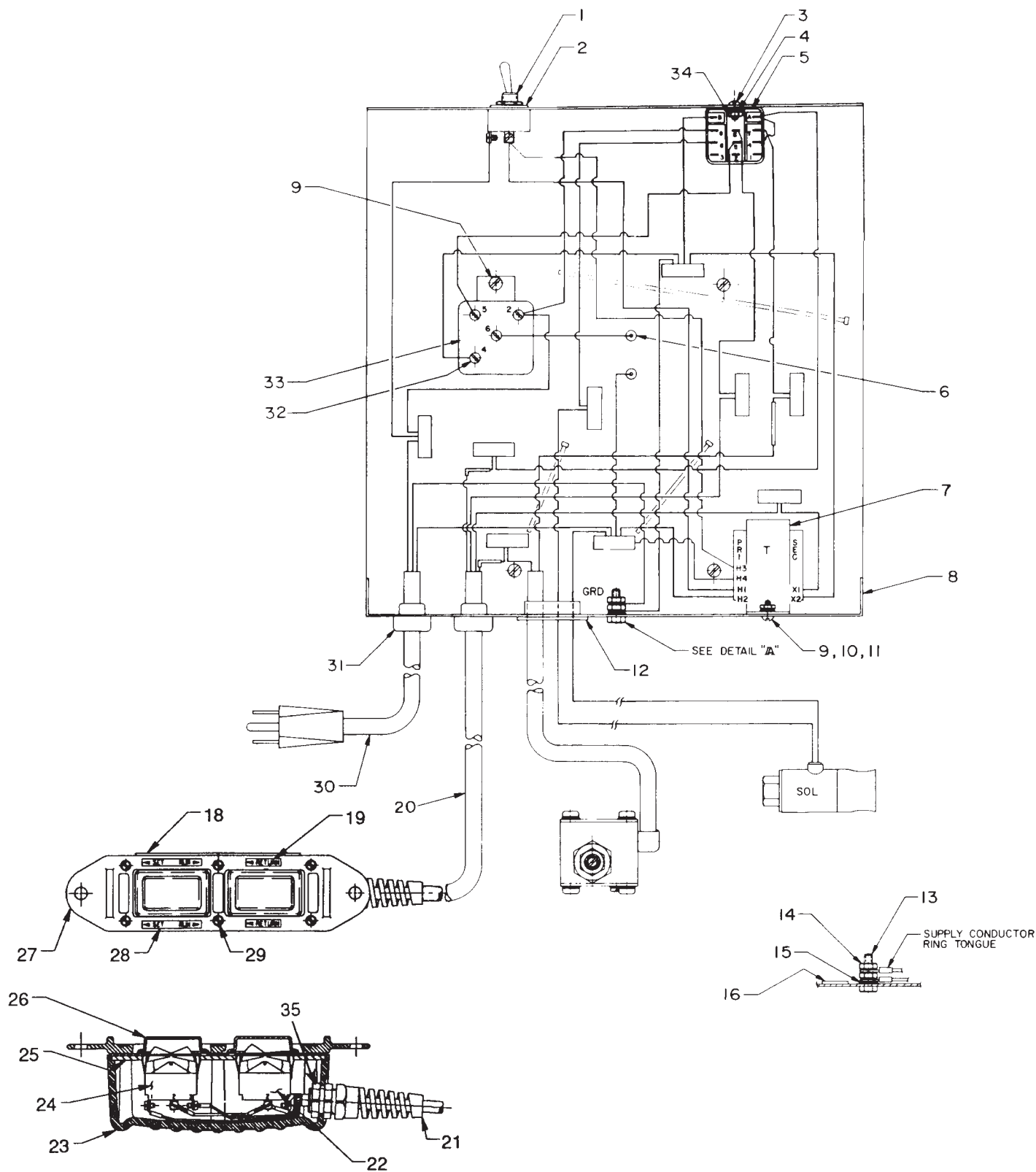
Conductors	North American	International
Line	Black	Brown
Neutral	White	Blue
Ground	Green	Green/Yellow



TRANSFORMER CONNECTIONS

115 V., 50/60 Hz.	230 V., 50/60 Hz.
H1 & H3 to L1	H1 to L1
H2 & H4 to L2	H2 to H3
	H4 to L2

ELECTRICAL CONTROL ASSEMBLY

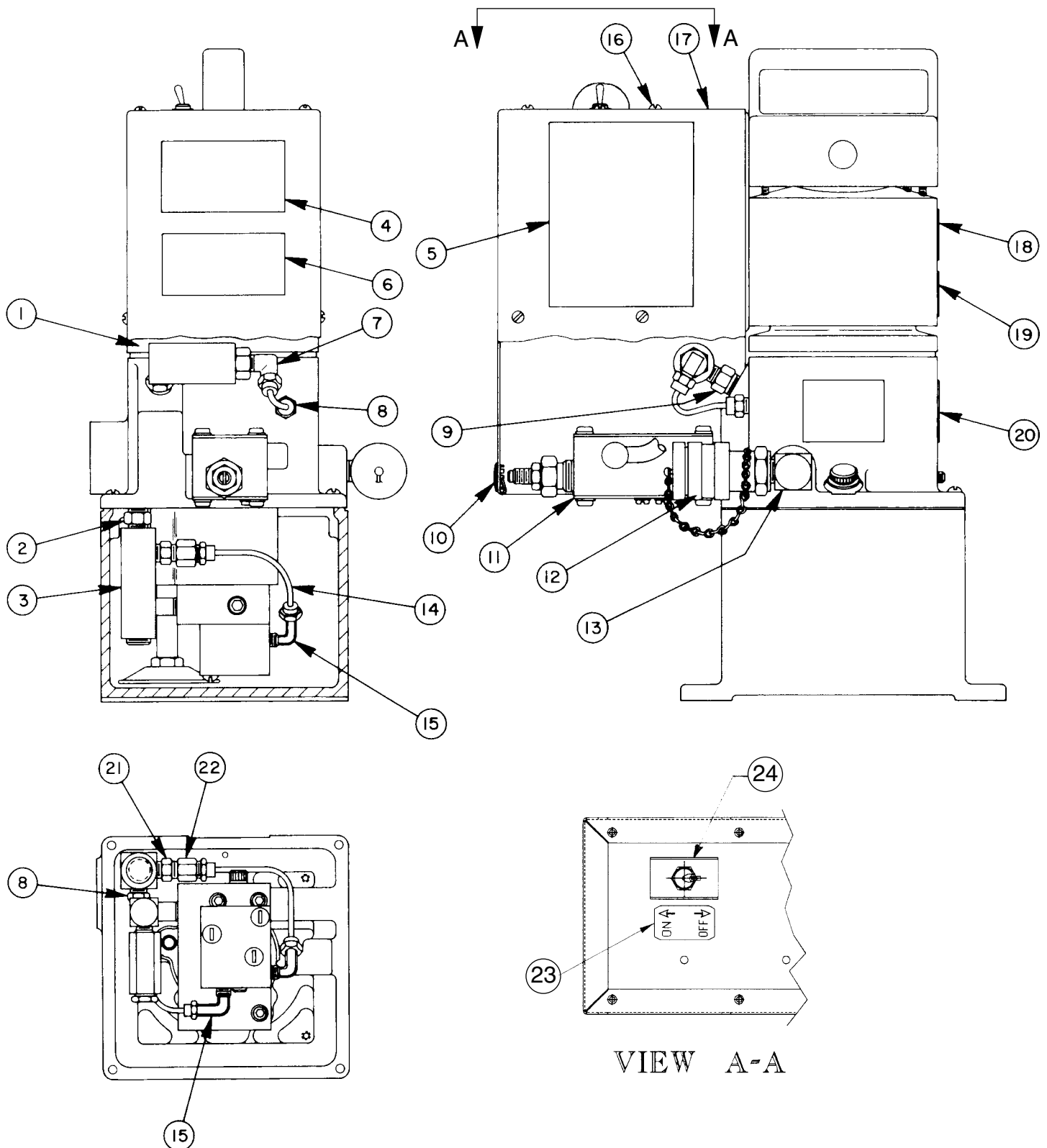


For PE183C & PE183C-50-220

Item No.	Part No.	No. Req'd	Description
1	12301	1	Toggle Switch
2	205409	1	Indicator Plate
3	10448	2	Machine Screw (#6-32 X 3/8 Lg.)
4	15906	2	Lockwasher
5	305602	1	General Purpose Relay
6	12180	2	Strain Relief Bushing
7	305665	1	Transformer
8	61285WH2	1	Electrical Control Box
9	12062	6	Machine Screw (#8-32 UNC X 3/8 Lg.)
10	11388	2	Lockwasher (#8 External Tooth)
11	10196	2	Nut (#8-32 UNC)
12	15885	1	Snap Plug
13	104484	1	Machine Screw (#10-24 UNC X 3/4 Lg.)
14	10197	2	Nut (#10-24 UNC)
15	11108	1	Lockwasher (#10 External Tooth)
16	205189	1	Ground Decal
18	*207762	1	Magnetic Strip
19	*253052	2	Decal (Return)
20	*11391	26 ft.	Electric Cable
21	*251818	1	Strain Relief Connector
22	*46131	1	Rocker Switch (On/Off)
23	*420050-4	1	Switch Housing
24	*45524	1	Rocker Switch (On/Off/On)
25	*420050-3	1	Switch Mounting Plate
26	*420050-2	1	Gasket
27	*420050-1	1	Cover
28	*250444	2	Decal (Set-Run)
29	*250248	6	Tapping Screw (#4-24 X 3/4 Lg.)
30	12291	1	Cord Set (115 V.)
	12293	7 ft.	Electric Cable (220 V.)
31	15993	2	Strain Relief Bushing
32	10975	4	Machine Screw (#8-32 UNC x 5/16 Lg.)
33	14667	1	Relay
34	10195	2	Hex Nut (#6-32)
35	*251802	1	Locknut

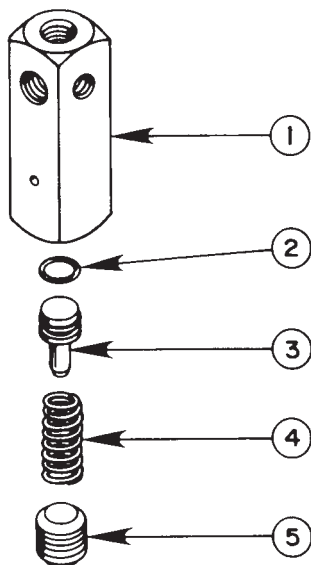
Part numbers marked with an asterisk (*) are included in replacement
Remote Control Hand Switch Assembly No. 309658.

FINAL PUMP ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	16788	1	Solenoid Valve (For PE183C & PE183CF)
	18314	1	Solenoid Valve (For PE183C-50-220)
2	11421	1	Straight Nipple Fitting
3	202605	1	Accumulator Assembly (See below)
4	200188	1	Warning Decal
5	305642	1	Instruction Decal
6	211375	1	Warning Decal
7	15044	1	90° Elbow Fitting
8	14279	2	Straight Fitting
9	16691	1	Straight Nipple Fitting
10	16412	1	Snap Plug
11	9625	1	Pressure Switch Assembly (See Form #100589)
12	25600	1	Ram Half Coupler
13	10474	1	90° Elbow Fitting
14	14281	AR	Plastic Tubing
15	14280	2	90° Elbow Fitting
16	14812	8	Self-Tapping Screw (#8-18 X 3/8 Lg.)
17	61284WH2	1	Control Box Cover
18	202173	1	Trade Name Decal
19	202210	1	Spec. Decal (For 115 V.)
	203630	1	Spec. Decal (For 230 V.)
20	200257	1	Priming Port Decal
21	16787	1	Check Valve
22	16802	1	Straight Fitting
23	205409	1	On/Off Decal
24	352061	1	Switch Guard

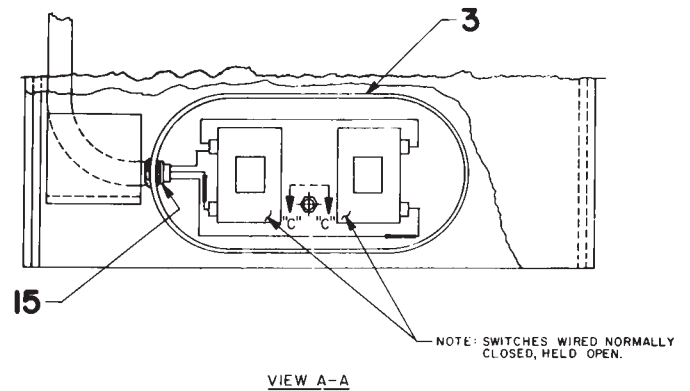
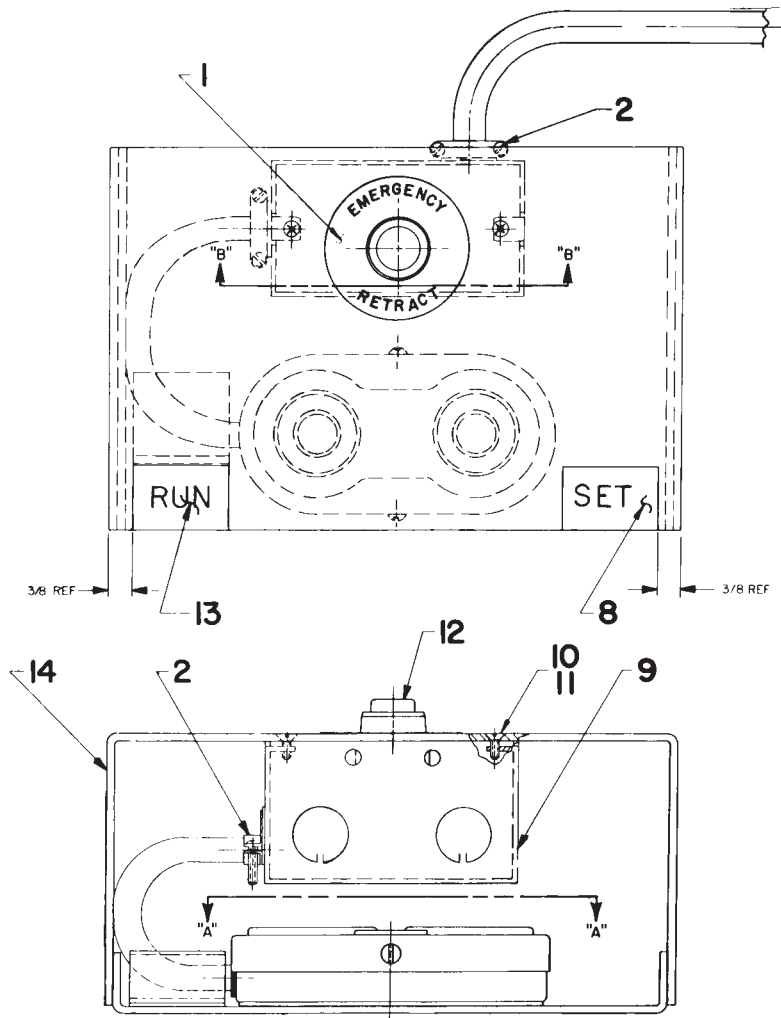
AR = As Required



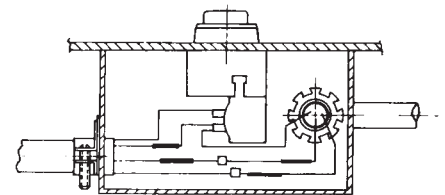
ACCUMULATOR ASSEMBLY PART NO. 202605

Item No.	Part No.	No. Req'd	Description
1	202604	1	Body
2	10268	1	O-ring (1/2 X 3/8 X 1/16)
3	202591	1	Piston
4	16708	1	Compression Spring
5	16937	1	Set Screw

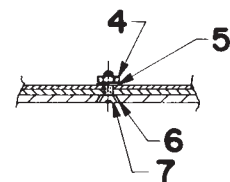
REMOTE FOOT SWITCH FOR PE183CF



VIEW A-A



SECTION B-B



SECTION C-C

Item No.	Part No.	No. Req'd	Description
1	203759	1	Emergency Stop Decal
2	11203	2	Electrical Connector
3	17627	1	Foot Switch (Rocker; Shown without cover)
4	10196	1	Hex Nut (#8-32)
5	11388	1	Lockwasher (#8)
6	17644	1	Washer (#8 Shakeproof)
7	10962	1	Machine Screw (#8-32 X 1/2 Lg.)
8	203758	1	Decal (Set)
9	12321OR9	1	Electrical Enclosure
10	10160	2	Machine Screw (#6-32 X 7/8 Lg.)
11	17645	2	Washer (#6 Shakeproof)
12	39283	1	Pushbutton Switch
13	203757	1	Decal (Run)
14	51210OR9	1	Housing
15	12313	4	Cable Tie

ELECTRICAL SCHEMATIC - FOOT SWITCH

115 Volt, 50/60 Hz. Single Phase
with Remote Control Foot Switch

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

