

Parts List for:

PE302R
PE302R-2
PE303R

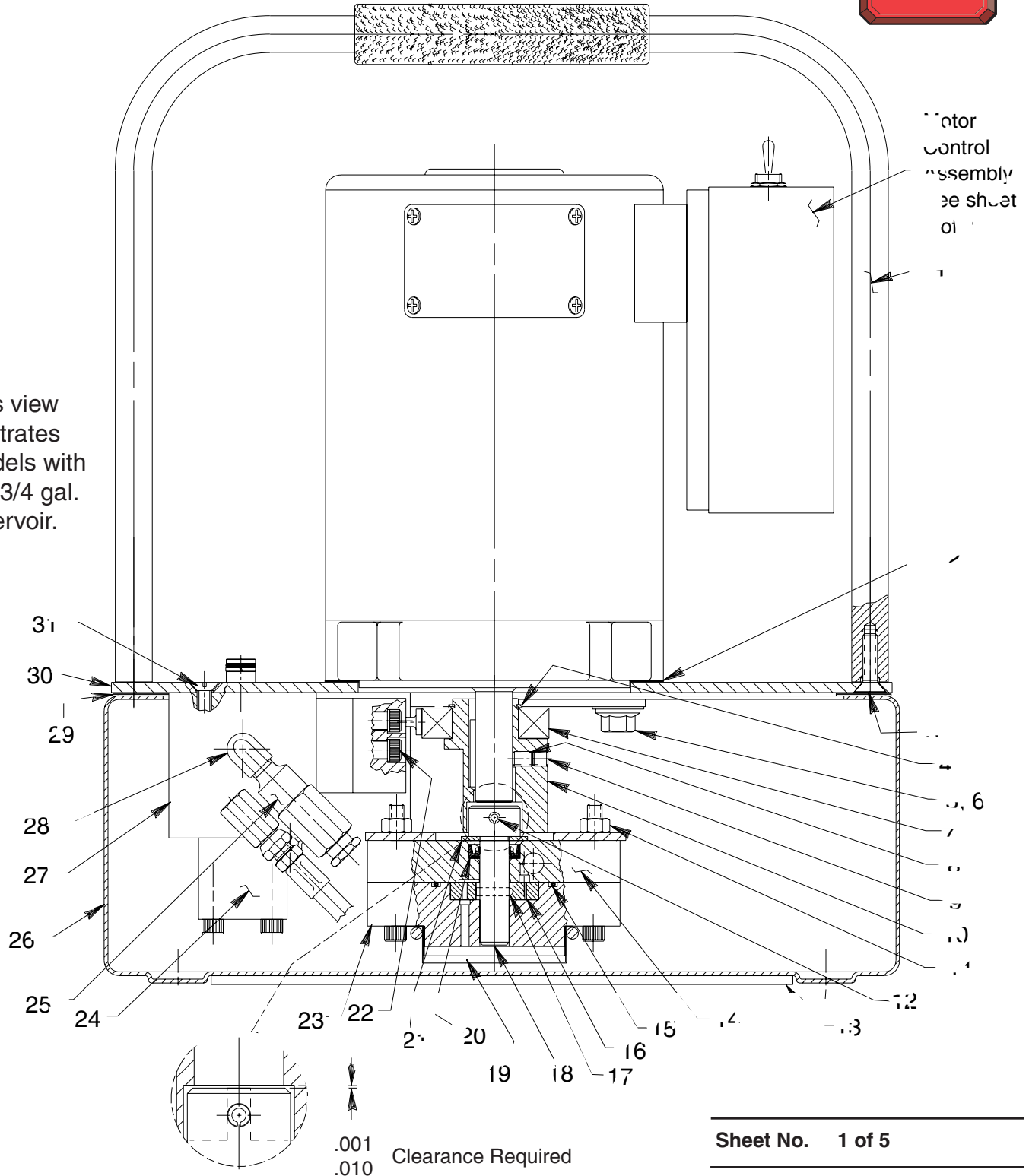
PE303R-2
PE304R
PE304R-2

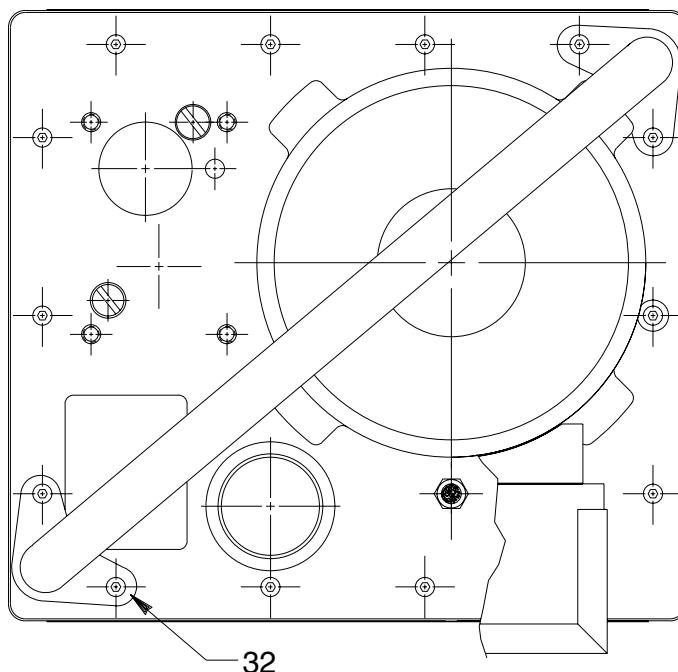
ELECTRIC HYDRAULIC PUMP

Max. Capacity: 10,000 PSI

To Parts
List

This view
illustrates
models with
a 1-3/4 gal.
reservoir.





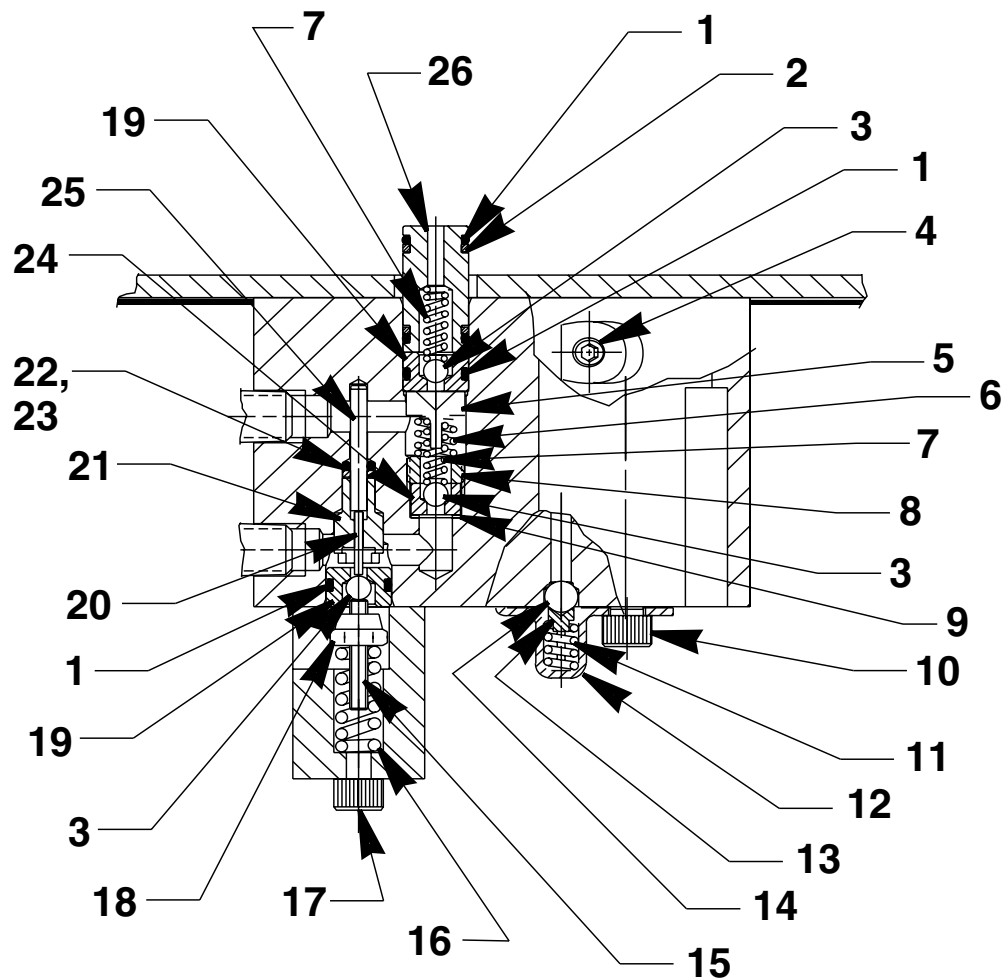
This view illustrates the handle orientation, and its mounting, on models with a one gallon reservoir.

Item No.	Part No.	No. Req'd	Description
1	64677BK2	1	Handle (For PE302R, PE303R, & PE304R)
	64582BK2	1	Roll Cage Frame (For PE302R-2, PE303R-2, & PE304R-2)
2	351060	1	Motor Base Gasket
3	11529	4	Cap Screw (1/4-20 UNC x 3/4 Lg.; Apply Loctite No. 242 or equiv. and torque to 70 in. lbs. - For PE302R-2, PE303R-2, & PE304R-2)
4	209798	1	Retaining Ring
5	213663	4	Cap Screw (3/8-16 UNC X 1" Lg.)
6	10258	4	Washer (For 3/8 bolt)
7	209805	1	Ball Bearing
8	10136	1	Set Screw (1/4-20 UNC x 1/4 Lg.; Torque to 70 in. lbs.)
9	10519	1	Set Screw (1/4-20 UNC X 3/8 Lg.; Torque to 70 in. lbs.)
10	420840	1	Eccentric
11	10199	2	Hex Nut (1/4-20 UNC)
12	12298	1	Roll Pin (3/16 dia. x 1-1/2" Lg.)
13	420427	1	Rubber Pad (For PE302R-2, PE303R-2, & PE304R-2; NOTE: Apply 3M adhesive # to bottom of reservoir and pad.)
	420948	1	Rubber Pad (For PE302R, PE303R, & PE304R; NOTE: Apply 3M adhesive # to bottom of reservoir and pad.)
14	64623	1	Upper Gerotor Housing
15	10922	1	O-ring (2-1/8" X 1-15/16" X 3/32)
16	304826	1	Gerotor

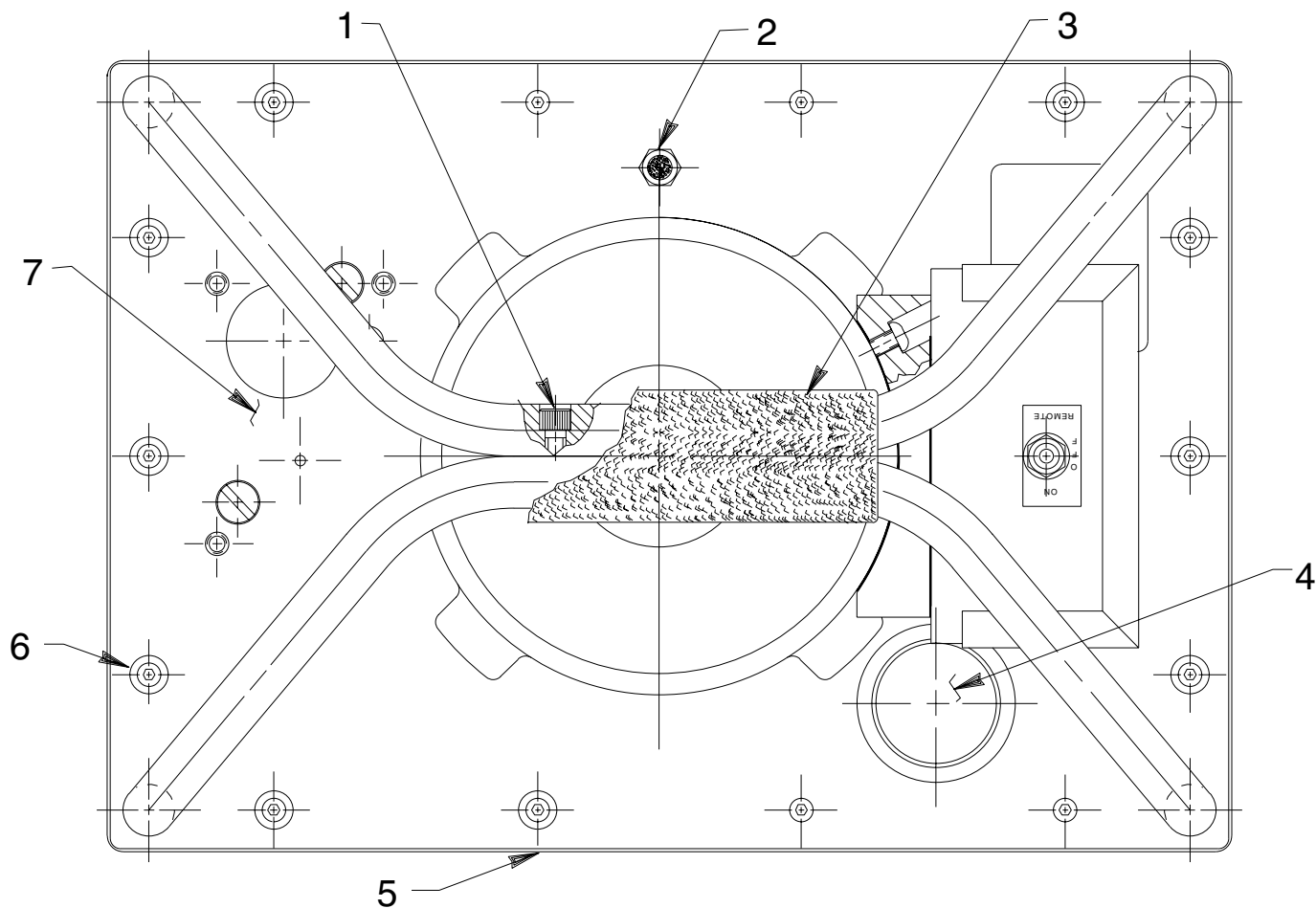
Item No.	Part No.	No. Req'd	Description
17	209794	1	Gerotor Drive Pin
18	350940	1	Gerotor Shaft
19	21846	1	Filter Support
20	304830	1	Oil Seal
21	12595	1	Washer (1-1/8" X 1/2 X .077 Thk.)
22	10022	4	Screw (1/4-20 UNC X 1-1/2" Lg.; Torque to 190 in. lbs.)
23	64580	1	Gerotor Housing
24	350930	1	Retaining Block
25	21278	1	Relief Valve Assembly (Set at 10,100/10,700 PSI)
26	64665OR9	1	Reservoir (1 Gal. - For PE302R, PE303R, & PE304R)
	64241OR9	1	Reservoir (2 Gal. - For PE302R-2, PE303R-2, & PE304R-2)
27	64612	1	Check Body
28	13229	1	Street Elbow
29	420931	1	Reservoir Gasket (For PE302R, PE303R, & PE304R)
	420424	1	Reservoir Gasket (For PE302R-2, PE303R-2, & PE304R-2)
30	64666BK2	1	Cover Plate (For PE302R, PE303R, & PE304R)
	64579BK2	1	Cover Plate (For PE302R-2, PE303R-2, & PE304R-2)
31	11529	2	Screw (1/4-20 UNC x 3/4 Lg.)
32	15911	4	Cap Screw (1/4-20 5/8 Lg.; Apply Loctite No. 242 or equiv. and torque to 70 in. lbs. - For PE302R, PE303R, & PE304R)



HIGH PRESSURE PUMP ASSEMBLY



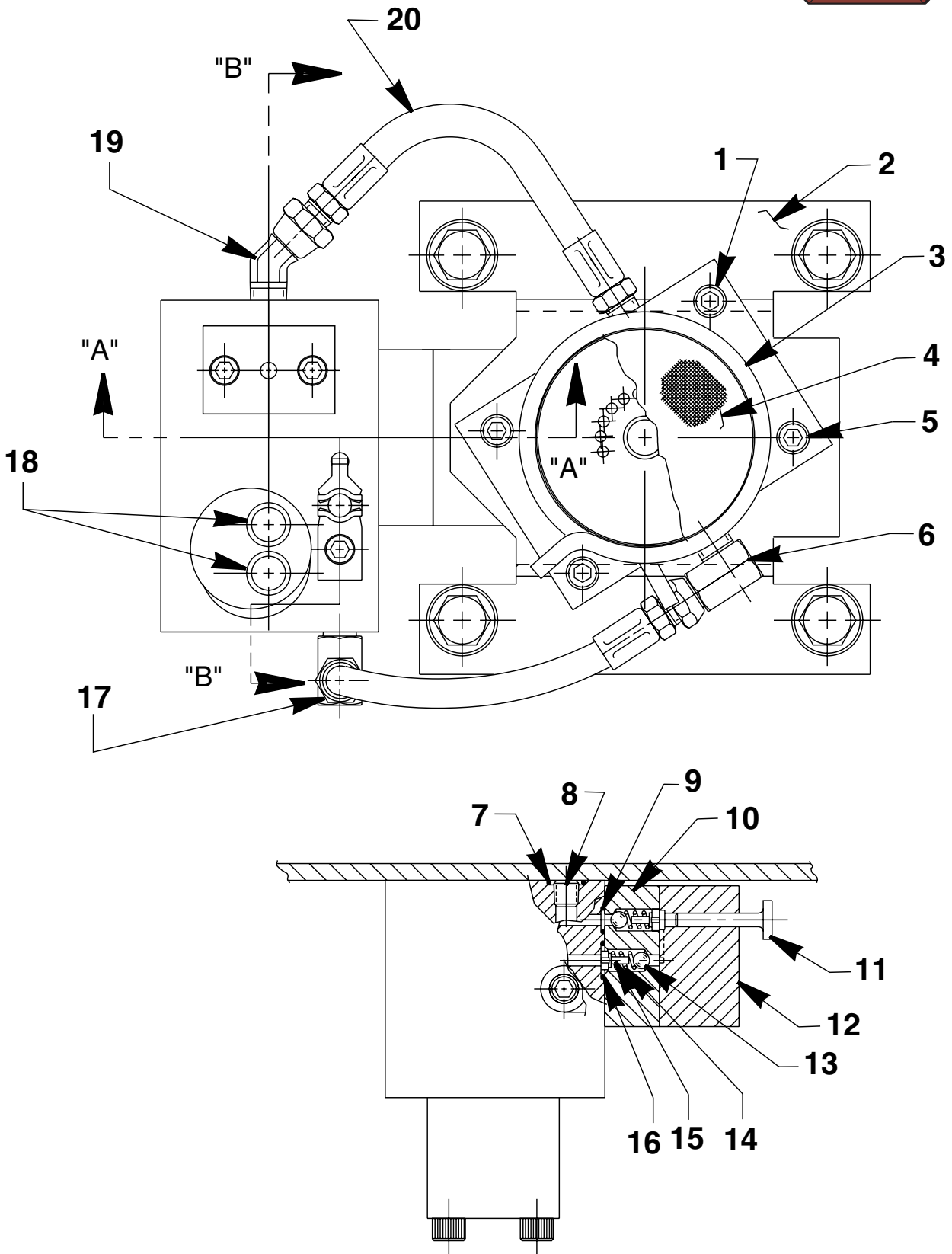
Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	10268	4	O-ring (1/2 X 3/8 X 1/16)	12	350577	1	Spring Retainer
2	11863	2	Backup Washer (1/2 X 3/8 X 1/16)	13	200796	1	Adapter
3	12223	4	Ball (3/16 Dia.)	14	10374	1	Steel Ball (7/32 Dia.)
4	15130	1	Plug (1/16 NPTF)	15	251067	1	Set Screw (Unloading valve; #10-24 UNC x 1" Lg.)
5	251601	1	Outlet Ball Stop	16	14484	1	Compression Spring (3/8 O.D. X 1" Lg.)
6	10444	1	Compression Spring (3/16 I.D. X 13/32 Lg.)	17	10854	2	Cap Screw (1/4-20 UNC X 1-3/4" Lg.; Torque to 60/80 in. lbs.)
7	10445	2	Compression Spring (5/32 O.D. X 3/4 Lg.)	18	207405	1	Locknut (10-24 UNC)
8	209797	1	Hollow Lock Screw (7/16-20 UNF-3A; Torque to 110/130 in. lbs.)	19	251065	2	Replaceable Seat
9	10442	1	Washer (3/8 X 1/4 X 1/32)	20	251611	1	Dowel Pin (5/8 X 1/2 Lg.)
10	10002	1	Cap Screw (1/4-20 UNC X 3/8 Lg.; Torque to 60/80 in. lbs.)	21	251068	1	Guide
11	15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)	22	17797	1	O-ring (1/4 X 1/8 X 1/16)
				23	214992	1	Backup Ring (15/64 x 1/8 x 3/64)
				24	209787	1	Replaceable Seat
				25	16471	1	Dowel Pin (1/8 dia. x 1" Lg.)
				26	251581	1	Bushing



Item No.	Part No.	No. Req'd	Description
1	10008	2	Cap Screw (For PE302R-2, PE303R-2, & PE304R-2 only)
2	251599	1	Breather Filter Vent
3	251600	1	Handle Grip (For PE302R-2, PE303R-2, & PE304R-2 only)
4	350925	1	Filler Cap
5	309219	2	Trade Name Decal (For PE302R, PE303R, & PE304R)
	309221	2	Trade Name Decal (For PE302R-2, PE303R-2, & PE304R-2)
6	15911	14	Cap Screw (1/4-20 X 5/8 Lg.; Torque to 70 in. lbs. Note: On models with a one gallon reservoir, four of these mount the handle also [see back sheet 1 of 4].)
7	9584	1	Valve Assembly (For PE302R & PE302R-2; See Form No. 101239) Note: When ordering this valve also order (4) 10890 Cap Screws for mounting valve to pump.
	9520	1	Valve Assembly (For PE303R & PE303R-2; Apply Loctite #242 to threads of valve handle stem [both ends.] See Form No. 101377) Note: When ordering this valve also order (4) 11956 Cap Screws for mounting valve to pump.
	52516	1	Valve Assembly (For PE304R & PE304R-2; Apply Loctite #242 to threads of valve handle stem [both ends.] See Form No. 100623) Note: When ordering this valve also order (4) 11956 Cap Screws for mounting valve to pump.

FINAL ASSEMBLY - TOP VIEW

BASIC PUMP ASSEMBLY

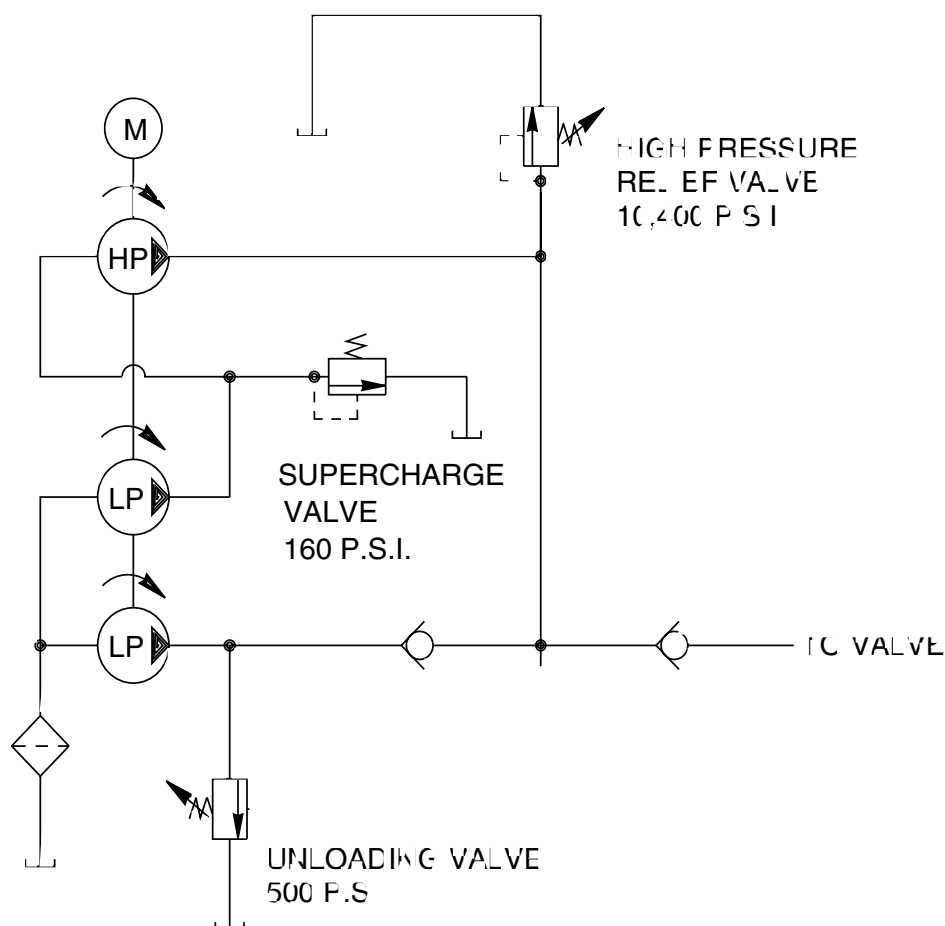
**To Parts
List**

BOTTOM VIEW AND SECTION A-A

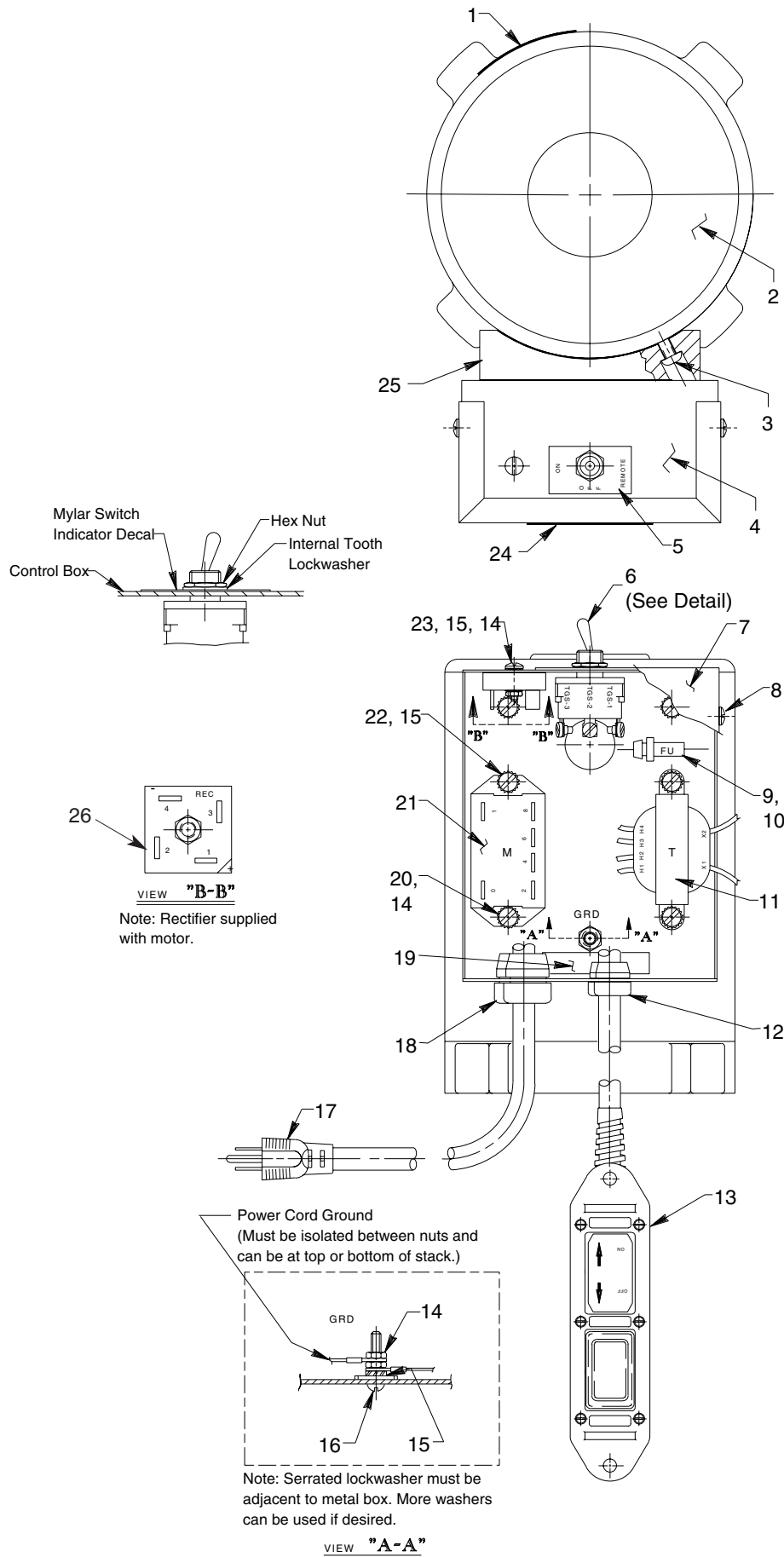
Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	10022	2	Cap Screw (1/4-20 UNC X 1-1/2" Lg.; Torque to 60/80 in. lbs.)	12	45866	1	Block
2	58481	1	Gerotor Housing Bracket	13	12223	1	Ball (3/16 Dia.)
3	11461	1	Hose Clamp	14	10445	2	Compression Spring (5/32 O.D. X 3/4 Lg.)
4	21608	1	Filter	15	24549	2	Ball Guide
5	10890	2	Cap Screw (1/4-20 UNC X 2" Lg.; Torque to 60/80 in. lbs.)	16	14763	1	O-ring (7/16 X 5/16 X 1/16)
6	14440	1	90° Elbow Fitting	17	13229	1	Elbow
7	15279	1	O-ring (1/2 X 3/8 X 1/16)	18	250630	2	Drain Tube (For PE303R & PE303R-2)
8	15130	1	Plug (1/16 NPTF)		250630	1	Drain Tube (For PE302R, PE302R-2, PE304R & PE304R-2)
9	10265	1	O-ring (5/16 X 3/16 X 1/16)	19	251800	1	Elbow Fitting
10	45559	1	Block	20	304819	2	Hose Assembly
11	305526	1	High Pressure Piston				

To
Drawing

HYDRAULIC SCHEMATIC



MOTOR CONTROL ASSEMBLY

To Parts
List

Item No.	Part No.	No. Req'd	Description
1	351024	1	Decal
2	*420838BK2	1	Electric Motor (115 V.)
3	12316	2	Screw
4	58558BK2	1	Electrical Control Box
5	25802	1	Indicator Plate
6	12665	1	Toggle Switch
7	42576BK2	1	Control Box Cover
8	11141	4	Tap Screw (#6-20 X 3/8 Lg.)
9	252288	1	Fuse (15 AMP)
10	16887	1	Fuse Holder
11	251049	1	Transformer
12	15993	1	Strain Relief Bushing
13	25017	1	Hand Switch Assembly (See sheet 5 of 5)
14	10197	3	Nut (#10-24 UNC)

Item No.	Part No.	No. Req'd	Description
15	11108	8	Lockwasher (#10 External Tooth)
16	11856	1	Machine Screw (#10-24 X 1" Lg.)
17	25229	1	Cord Set (115 V.)
18	210112	1	Strain Relief Bushing
19	205189	1	Ground Decal
20	10164	2	Slotted Screw (#10-24 UNC X 3/8 Lg.)
21	251638	1	Relay
22	12909	4	Machine Screw
23	10167	1	Machine Screw (#10-24 UNC X 3/4 Lg.)
24	200188	1	Decal
25	420962	1	Mounting Adapter
26	251050	1	Rectifier

* Note: For replacement brushes, order (2) #252958.

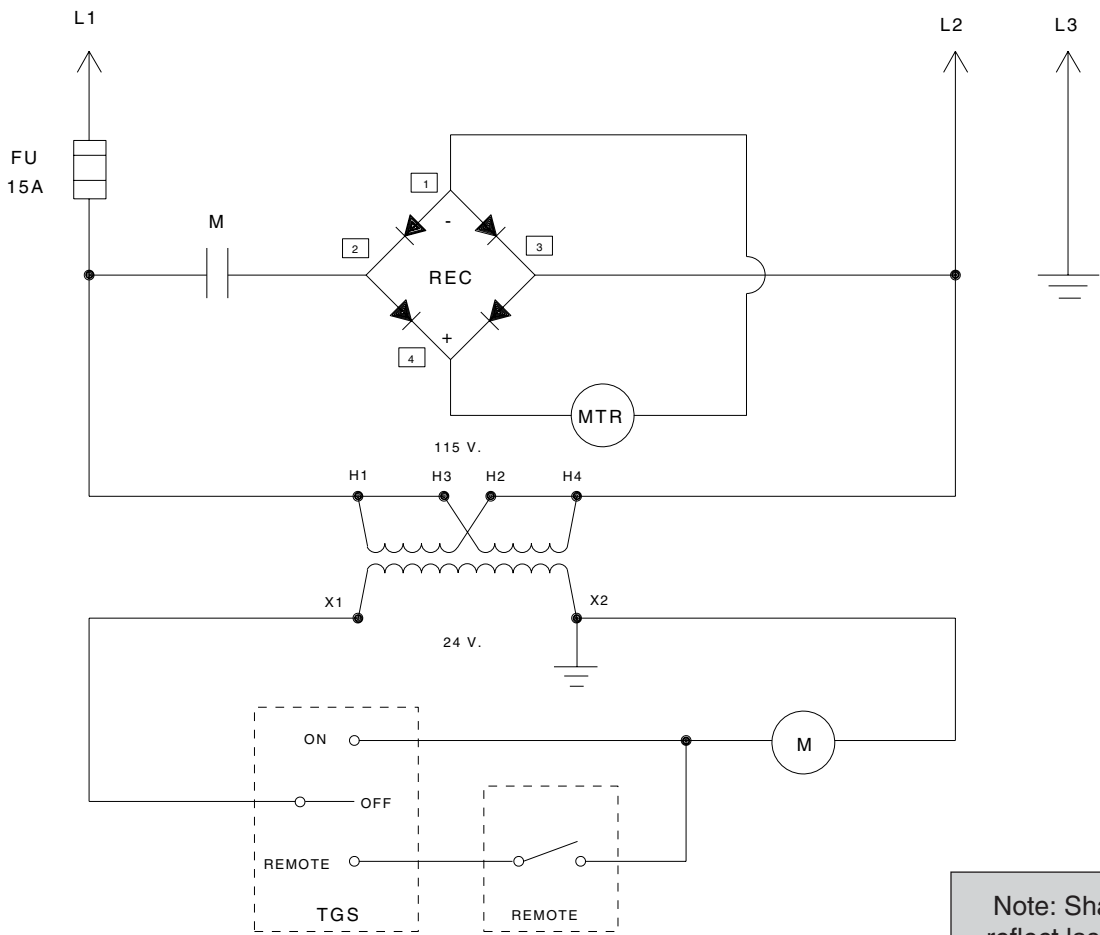


ELECTRICAL SCHEMATIC

110/115 V., 50/60 Hz.



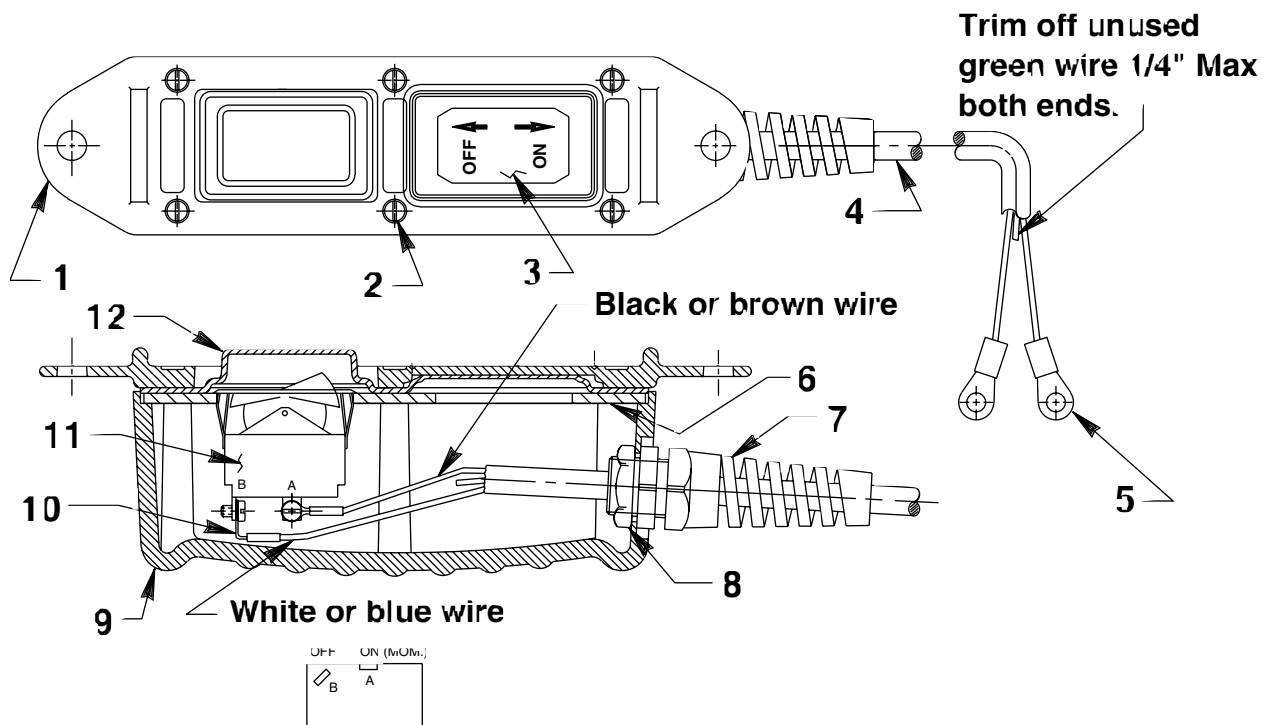
WARNING: To help prevent personal injury, all electrical work must be done by a qualified electrician.



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

REMOTE HAND SWITCH ASSEMBLY

No. 25017



Item No.	Part No.	No. Req'd	Description
1	420050-1	1	Cover
2	250248	6	Screw (4-24 x 3/4 Lg.)
3	202763	1	Decal
4	12908	11 ft.	Cable (18/3 SJTO)
5	10458	2	Ring Terminal
6	420050-3	1	Switch Mounting Plate
7	251818	1	Strain Relief Connector
8	251802	1	Locknut (3/4-16 UNF; Torque to 30/35 in. lbs.)
9	420050-4	1	Switch Housing
10	10525	2	Ring Terminal
11	16772	1	Rocker Switch
12	420050-2	1	Gasket

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.