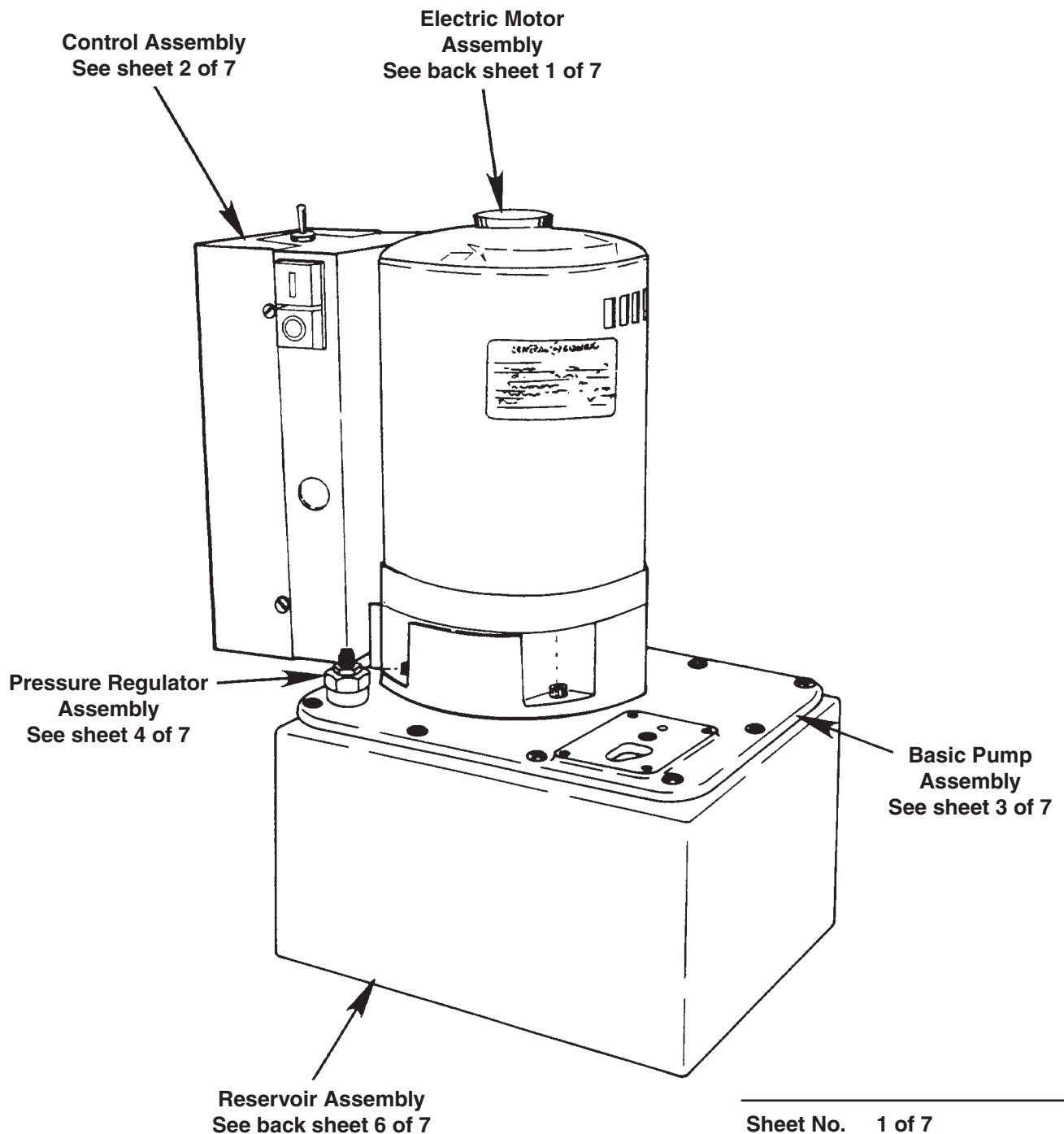


Parts List for:

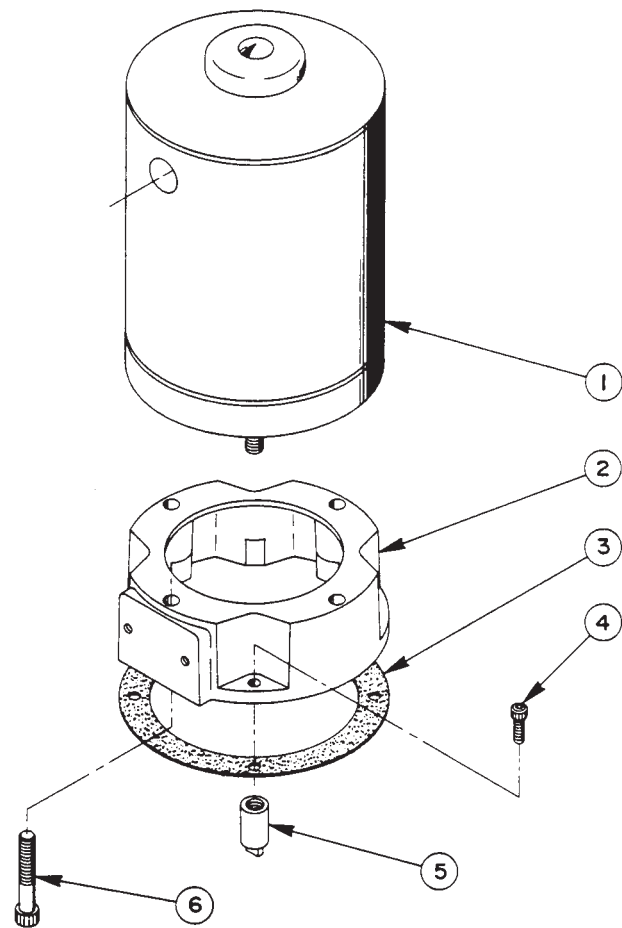
PE55F50	PE90-KING
PE55F60	PE120M50
PE90F50	PE120M60
PE90F60	

MODEL B
HYDRAULIC PUMP

GENERAL SECTION



ELECTRIC MOTOR ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	10433	1	Electric Motor (1-1/2 H.P.; For PE55F50, PE55F60, PE90F50 & PE90F60)
	11824	1	Electric Motor (1-1/2 H.P.; For PE90-KING)
	58571	1	Electric Motor (3 H.P.; For PE120M60 & PE120M50)
2	40118GY5	1	Motor Base (For PE90-KING, PE120M50 & PE120M60)
	40118BK2	1	Motor Base (For PE55F50, PE55F60, PE90F50 & PE90F60)
3	†30650	1	Gasket
4	10008	4	Cap Screw (1/4-20 UNC x 3/4 Lg.)
5	21274	1	Adapter
6	12866	4	Cap Screw (3/8-16 UNC x 2-1/4 Lg.)

PARTS INCLUDED BUT NOT SHOWN

27556	1	Motor Rotation Decal
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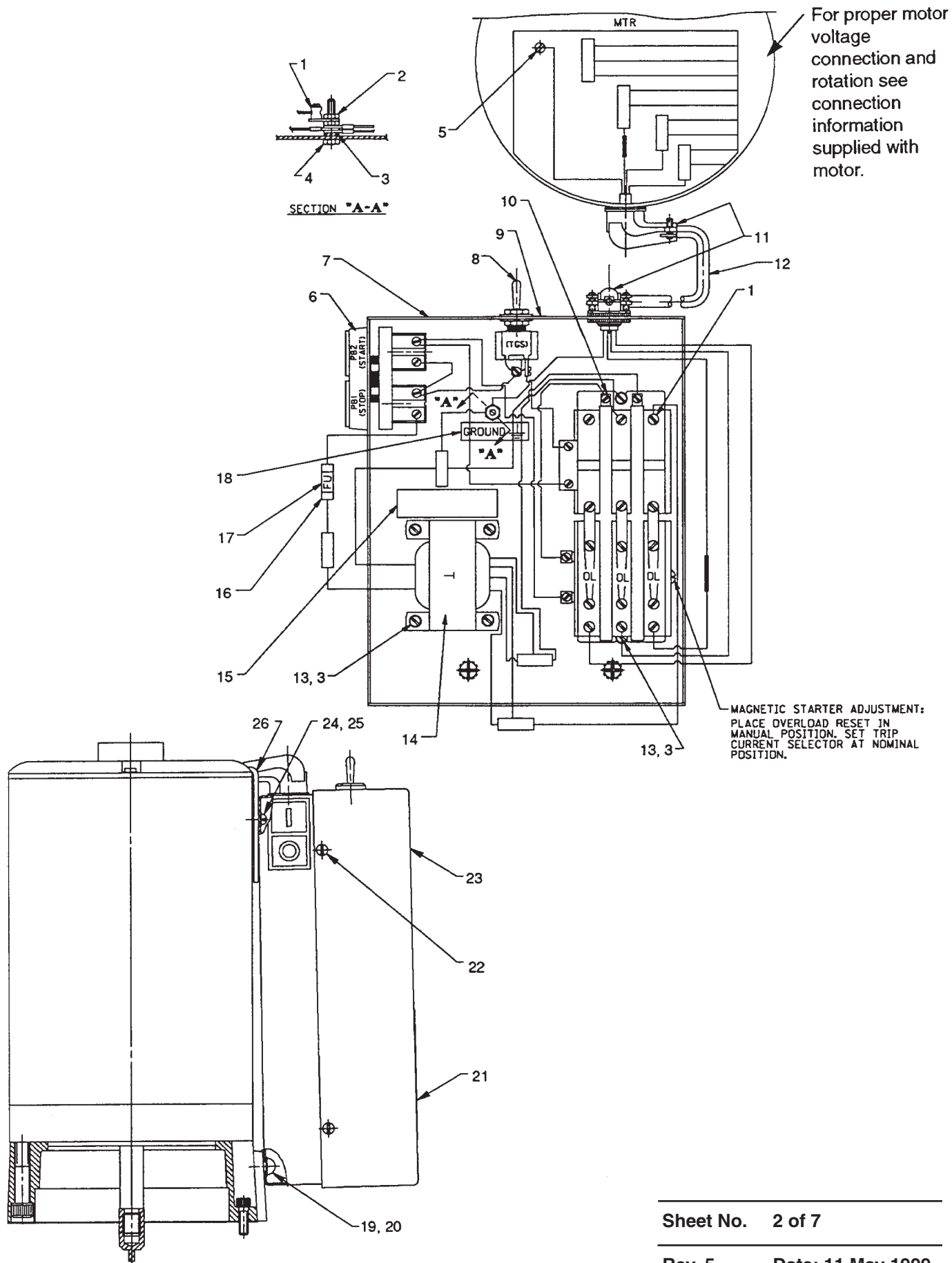
For replacement motor assemblies (includes all items listed above) order as follows:

40122	-	For PE55F60 & PE90F60
40122-50	-	For PE55F50 & PE90F50
41318	-	For PE120M60
41318-50	-	For PE120M50

Part numbers marked with a dagger (†) are contained in Repair Kit No. 300839.

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

MOTOR CONTROL ASSEMBLY



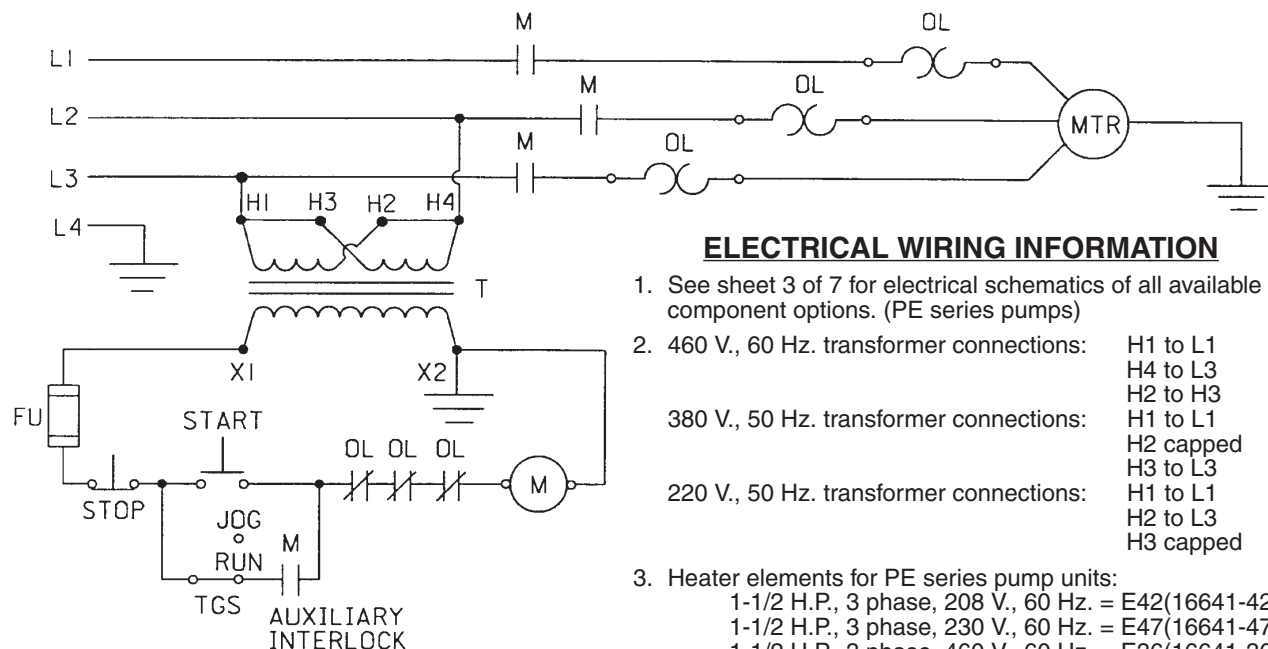
Parts List, Form No. 101225, Back sheet 2 of 7

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	205420	4	Screw-type Connector	15	250150	1	Fuse Decal
2	10197	2	Nut (#10-24)		•250272	1	Fuse Decal
3	11108	7	Lockwasher (#10)	16	16887	1	Fuse Holder
4	104484	1	Hex Hd. Machine Screw (#10-24)	17	206962	1	Fuse (3 amp)
5	15468	1	Self-tapping Screw (#6)		•16888-8	1	Fuse (8 amp)
6	309019	1	Pushbutton Switch	18	205189	1	Ground Decal
7	61220GY5	1	Electrical Control Box (For PE90-KING, PE120M50 & PE120M60)	19	253371	2	Rnd. Hd. Screw (1/4-20 x 3/4 Lg.)
	61220BK2	1	Electrical Control Box (For PE55F50, PE55F60, PE90F50 & PE90F60)	20	11351	2	Lockwasher (1/4)
8	12301	1	Toggle Switch (On/Off)	21	†200188	1	Warning Decal
9	204577	1	Decal (Run/Jog)	22	14812	4	Self-tapping Screw
10	17861-4	1	Magnetic Starter	23	52357GY5	1	Control Box Cover (For PE90-KING, PE120M50 & PE120M60)
11	11144	2	Strain Relief Bushing (90°)		52357BK2	1	Control Box Cover (For PE55F50, PE55F60, PE90F50 & PE90F60)
12	12413	2.3 ft.	Electrical Cable (14/4 SO)	24	10447	1	Rnd. Hd. Machine Screw (#8-32 x 5/16 Lg.)
13	10164	6	Rnd. Hd. Machine Screw (#10-24 x 3/8 Lg.)	25	11388	1	Lockwasher (#8)
14	11410	1	Transformer (For PE55F60, PE90F60, & PE120M60)	26	210442	1	Mounting Bracket
	•38991	1	Transformer (For PE55F60, PE90F60, & PE120M60)	Part numbers marked with a dagger (†) are contained in Repair Kit No. 300839. Part numbers marked with a bullet (•) are for pumps equipped with solenoid valve.			
	17703	1	Transformer (For PE55F50, PE90F50, & PE120M50)				
	•350064	1	Transformer (For PE55F50, PE90F50, & PE120M50)				

ELECTRICAL SCHEMATIC

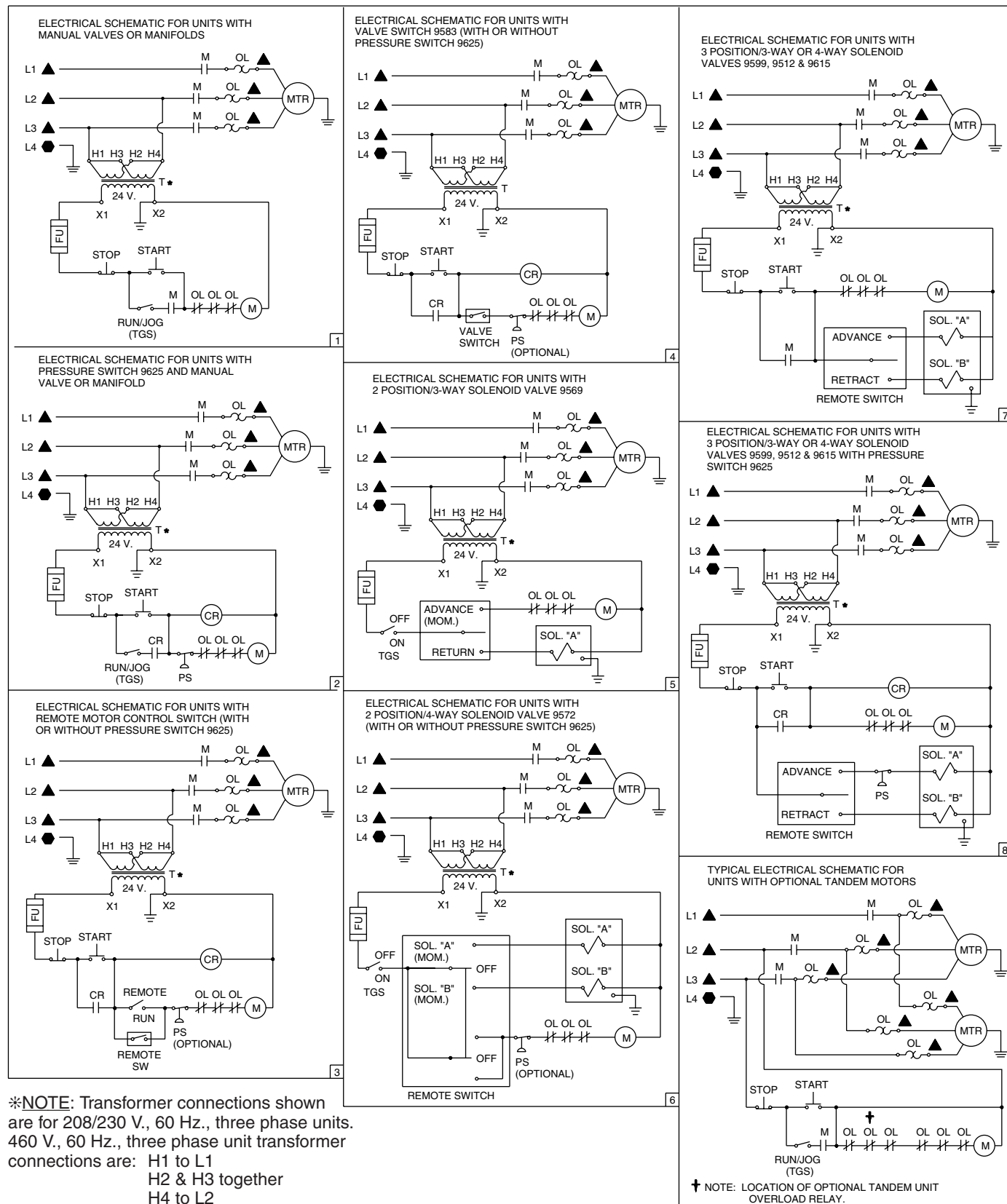
230/460 V., 60 Hz.

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

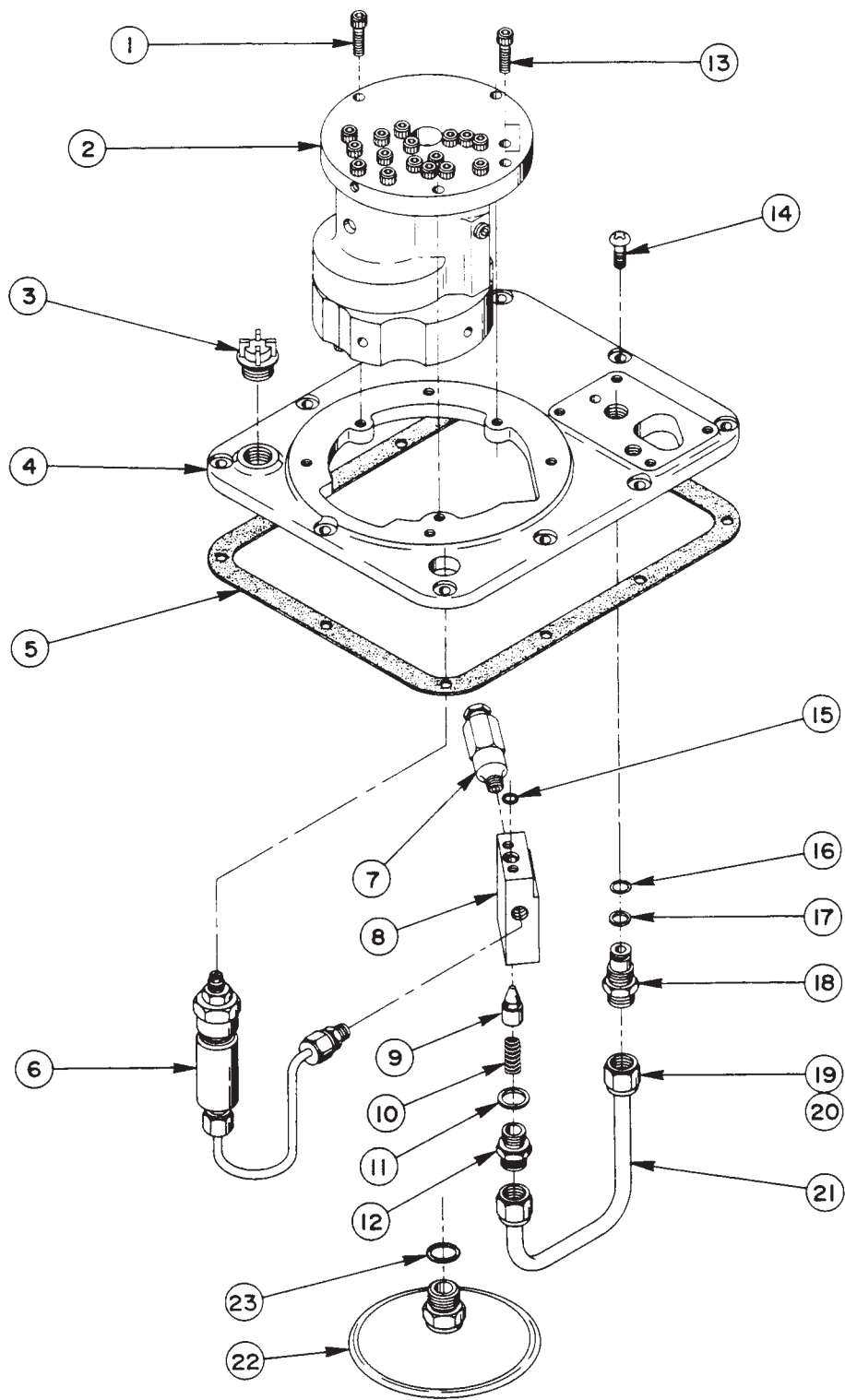


NOTE: Connections shown for 230 V., 60 Hz.

ELECTRICAL SCHEMATICS FOR PE SERIES UNITS



GENERAL PUMP ASSEMBLY

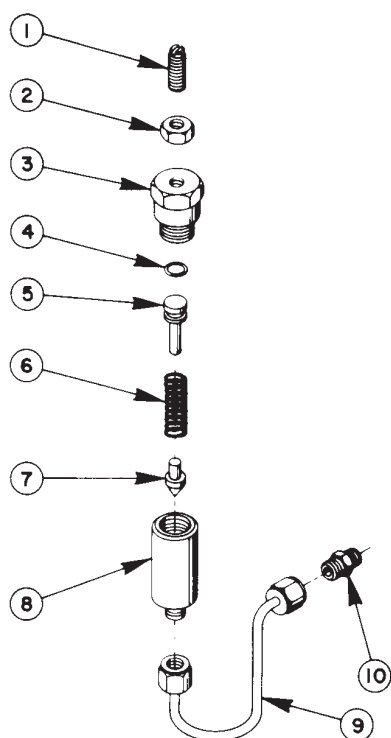


Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	10016	3	Soc. Hd. Cap Screw (1/4-20 UNC x 1" Lg.)	8	20776	1	Valve Body
2	*27206	1	Basic Pump Assembly Replacement (See chart below)	9	20771	1	Poppet
	*28349	1	Basic Pump Assembly Replacement (See chart below)	10	10425	1	Compression Spring (3/8 O.D. x 3/4 Lg.)
	*28354	1	Basic Pump Assembly Replacement (See chart below; has aluminum coupling in place of nylon.)	11	†10261	1	Copper Washer (3/4 x 19/32 x 1/32)
3	20937	1	Filler Plug	12	20770	1	Connector (Torque to 40/45 in. lbs.)
4	40064WH2	1	Cover (For PE90-KING, PE120M50 & PE120M60)	13	10015	2	Soc. Hd. Cap Screw (1/4-28 UNF x 1" Lg.; Torque to 180 in. lbs.)
	40064BK2	1	Cover (FOR PE55F50, PE55F60, PE90F50 & PE90F60)	14	10177	10	Machine Screw (1/4-20 UNC x 3/4 Lg.)
5	†40164	1	Gasket	15	†10266	1	O-ring (3/8 x 1/4 x 1/16)
6	22360	1	Pressure Regulator Assembly (See below)	16	†10268	1	O-ring (1/2 x 3/8 x 1/16)
7	21278	1	Relief Valve (Set at 10,100/10,700 PSI)	17	†11863	1	Teflon Backup Washer (1/2 x 3/8 x 1/16)
	21278-50	1	Relief Valve (Set at 5,100/5,700 PSI)	18	20787	1	Valve Connector
				19	10430	2	Tube Sleeve
				20	10431	2	Tube Nut
				21	21045	1	Oil Line
				22	21345	1	Filter Assembly (Includes Item 23)
				23	†10527	1	O-ring (13/16 x .644 x .087)

SERIES	MAX. PSI	BASIC PUMP ASSEMBLY	BASIC PUMP ASS'Y REPLACEMENT	HIGH PRESS. PUMP ASS'Y	NO. OF PISTONS
PE55F50 PE55F60	10,000	50404	27206*	33113	3
PE90F50 PE90F60	5,000	50406	28349*	33114	6
PE120M50 PE120M60	10,000	50493	28354*	33114	6

*Includes all items on sheet 5 of 7 and items 1, 7, 8, 9, 10, 11, 12, 13, 15 & 22 on this sheet.

Part numbers marked with a dagger (†) are contained in Repair Kit No. 300839.

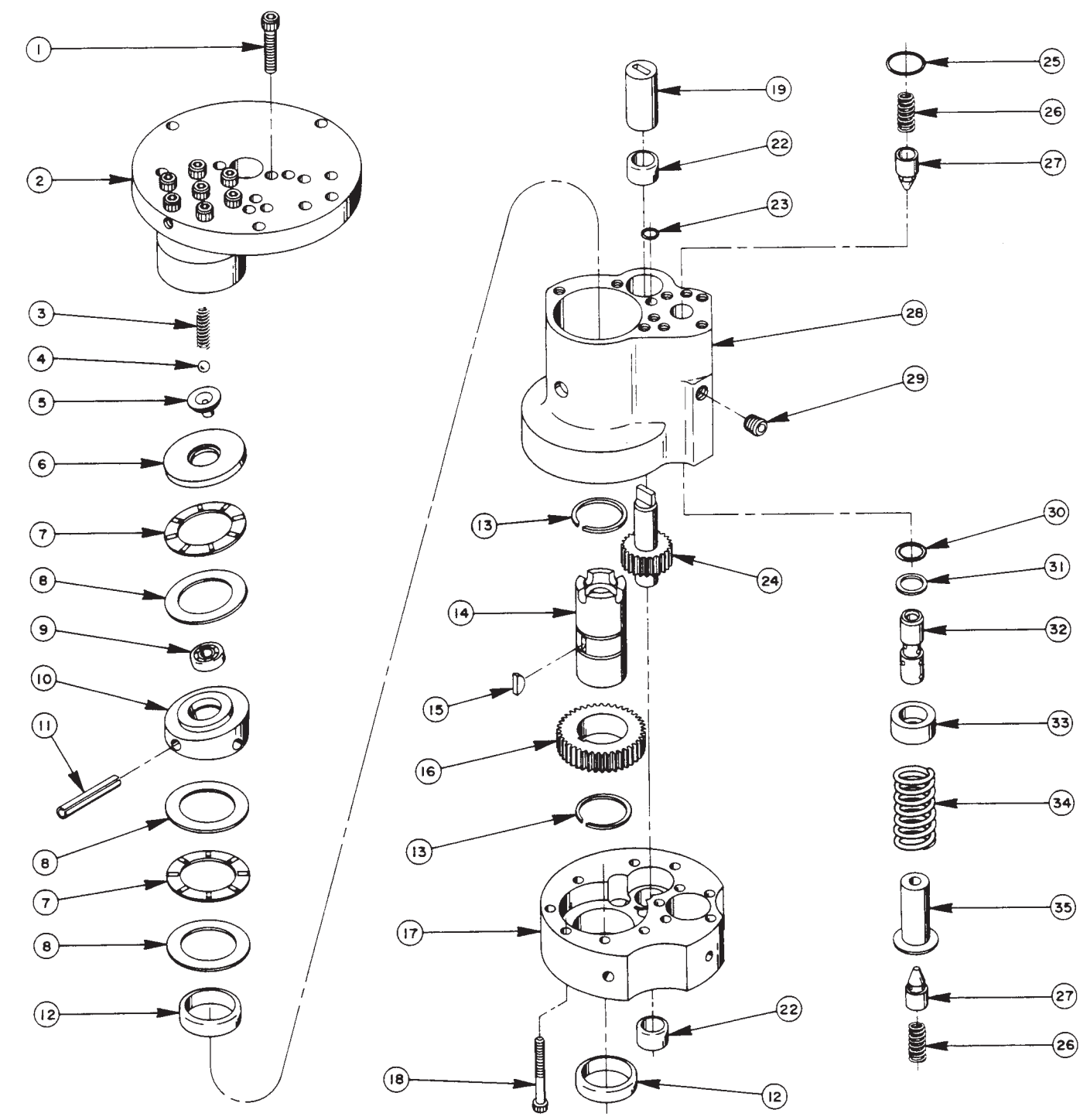


PRESSURE REGULATOR ASSEMBLY

Item No.	Part No.	No. Req'd	Description
1	22362	1	Adjusting Screw
2	10386	1	Hex Jam Nut (3/8-24 UNF)
3	21305	1	Valve Cap
4	†10268	1	O-ring (1/2 x 3/8 x 1/16)
5	21306	1	Spring Guide
6	10495	1	Compression Spring
7	21046	1	Valve Stem
8	22361	1	Body
9	29267	1	Oil Line Assembly (with nuts)
10	14844	1	Connector Fitting

Part numbers marked with a dagger (†) are contained in Repair Kit No. 300839.

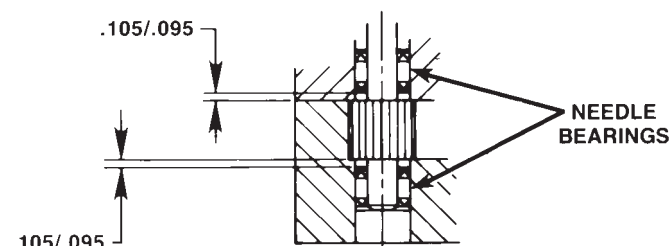
BASIC PUMP ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	10020	9	Soc. Hd. Cap Screw (1/4-20 UNC x 1-1/4 Lg.; Torque to 170/180 in. lbs.)
2	33113	1	High Pressure Pump Assembly (See back sheet 5 of 7 and chart on sheet 4 of 7)
	33114	1	High Pressure Pump Assembly (See back sheet 5 of 7 and chart on sheet 4 of 7)
3	10361	1	Compression Spring (1/4 O.D. x 1" Lg.)
4	10375	1	Steel Ball (1/4 dia.)
5	23547	1	Bearing Top Plate
6	23548	1	Top Plate
7	11228	2	Thrust Bearing
8	11813	3	Bearing Race
9	11814	1	Ball Bearing
10	23549	1	Angle Plate
11	11955	1	Roll Pin
12	11064	2	Needle Bearing
13	11261	2	Retaining Ring
14	23556	1	Shaft
15	11821	1	Woodruff Key
16	23557	1	Gear
17	30533	1	Pump End Plate
18	10001	12	Soc. Hd. Cap Screw (#10-32 UNF x 1-3/4 Lg.; Torque to 50 in. lbs.)
19	21091	1	Zinc Coupling
22	11199	2	Needle Thrust Bearing (See note below)
23	†10266	1	O-ring (3/8 x 1/4 x 1/16)
24	21272	1	Drive Gear
25	†10303	1	O-ring (7/8 x 3/4 x 1/16)
26	10425	2	Compression Spring (3/8 O.D. x 3/4 Lg.)
27	20771	2	Poppet
28	40120	1	Pump Body
29	10427	1	Pipe Plug (1/8 NPTF)
30	†10271	1	O-ring (11/16 x 1/2 x 1/16)
31	12389	1	Teflon Backup Washer (11/16 x 1/2 x 1/16)
32	20849	1	Spool
33	23255	1	Spring Guide
34	10426	1	Compression Spring (1" O.D. x 1-13/16 Lg.)
35	23256	1	Spring Guide

Part numbers marked with a dagger (†) are contained in Repair Kit No. 300839.

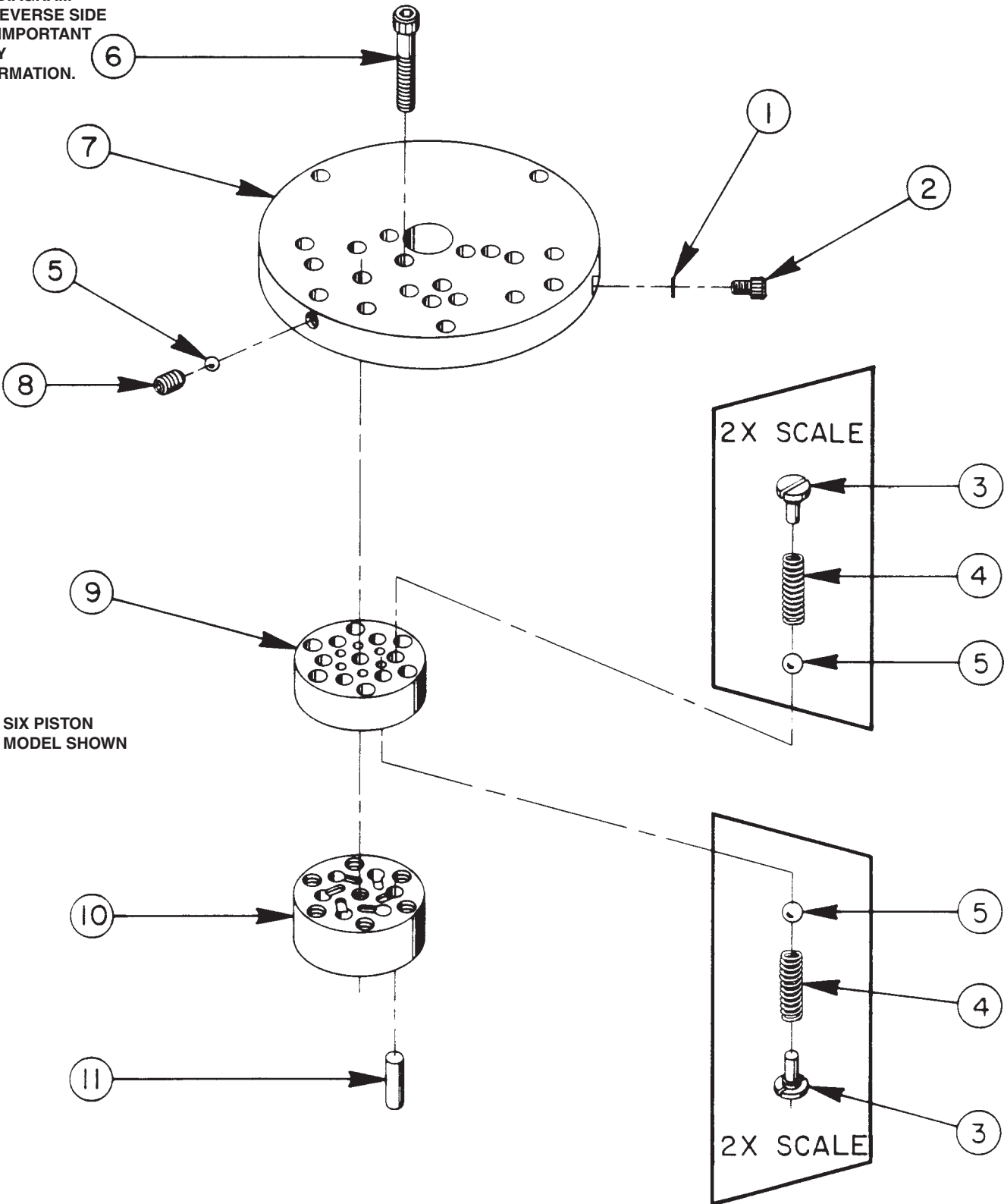
NEEDLE BEARING INSTALLATION SPECIFICATIONS



When replacing the needle bearings on the drive gear of the basic pump, the dimensions shown must be as specified.

HIGH PRESSURE PUMP ASSEMBLY

SEE DIAGRAM
ON REVERSE SIDE
FOR IMPORTANT
ASS'Y
INFORMATION.



33113 PUMP ASSEMBLY

3 Pistons - 9/32 Dia.

Item No.	Part No.	No. Req'd	Description
1	10442	1	Copper Washer (3/8 x 1/4 x 1/32)
2	10002	1	Soc. Hd. Cap Screw (1/4-20 UNC x 3/8 Lg.; Torque to 140/160 in. lbs.)
3	*24549	6	Valve Guide
4	*10445	6	Compression Spring (5/32 O.D. x 3/4 Lg.)
5	*12223	7	Steel Ball (3/16 dia.)
6	*10023	7	Soc. Hd. Cap Screw (1/4-28 UNF x 1-1/2 Lg.; Torque to 170/180 in. lbs.; See note below)
7	*50411	1	Top Plate
8	10519	1	Soc. Set Screw (1/4-20 UNC x 3/8 Lg.; Torque to 65/70 in. lbs.)
9	*40630	1	Valve Head
10	*41062	1	Pump Barrel
11	*21628	3	Piston

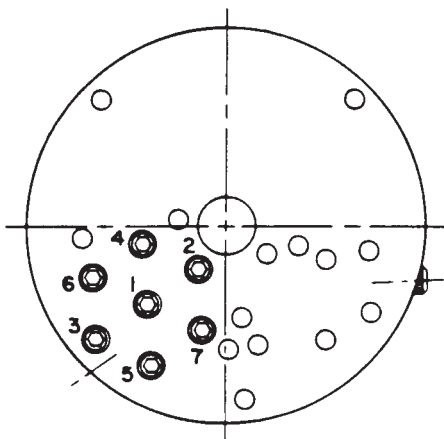
Consult factory when replacing items marked with an asterisk (*).

33114 PUMP ASSEMBLY

6 Pistons - 9/32 Dia.

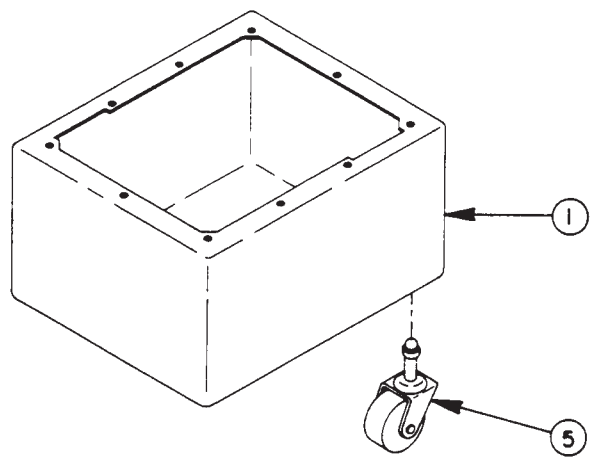
Item No.	Part No.	No. Req'd	Description
1	10442	1	Copper Washer (3/8 x 1/4 x 1/32)
2	10002	1	Soc. Hd. Cap Screw (1/4-20 UNC x 3/8 Lg.; Torque to 140/160 in. lbs.)
3	24549	12	Valve Guide
4	10445	12	Compression Spring (5/32 O.D. x 3/4 Lg.)
5	12223	13	Steel Ball (3/16 dia.)
6	10023	7	Soc. Hd. Cap Screw (1/4-28 UNF x 1-1/2 Lg.; Torque to 170/180 in. lbs.; See note below)
7	50411	1	Top Plate
8	10519	1	Soc. Set Screw (1/4-20 UNC x 3/8 Lg.; Torque to 65/70 in. lbs.)
9	41048	1	Valve Head
10	41063	1	Pump Barrel
11	21628	6	Piston

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

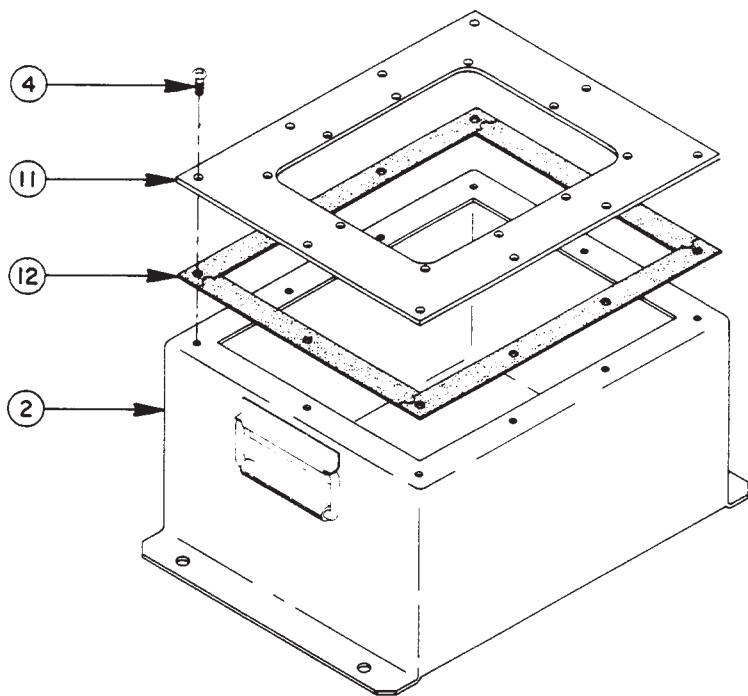
**BOLT TIGHTENING SEQUENCE**

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

2 GAL. RESERVOIR

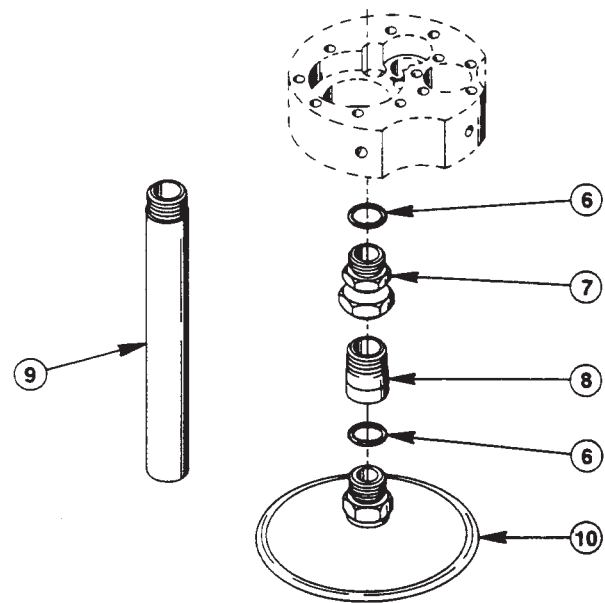


5 & 10 GAL. RESERVOIR

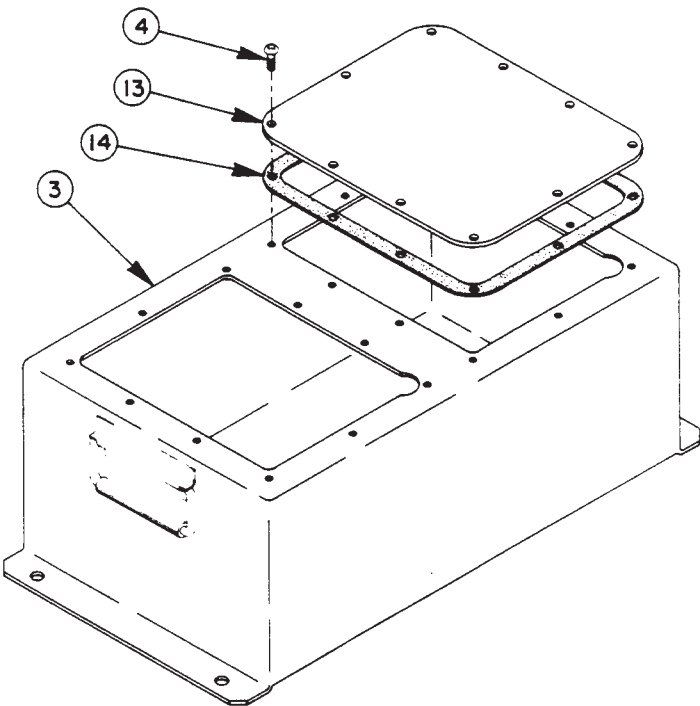


FILTER & EXTENSIONS

Used on 5, 7 & 10 Gal. Reservoirs as Applicable.



7 GAL. RESERVOIR



RESERVOIR ASSEMBLIES

NOTE: For complete Reservoir Assembly order the following:

RP50	---	Power Team complete 5 Gal. Reservoir Assembly
209124	---	Power Team complete 7 Gal. Reservoir Assembly
RP100	---	Power Team complete 10 Gal. Reservoir Assembly

These numbers include the following parts listed below as applicable.

Item No.	Part No.	No. Req'd	Description
1	40063OR9	1	2 Gal. Reservoir
	60597OR9	1	2 Gal. Reservoir with handles & drain
2	40137OR9	1	5 Gal. Reservoir
	40193OR9	1	10 Gal. Reservoir
3	50051OR9	1	7 Gal. Reservoir
4	10177	10	Machine Screw (1/4-20 UNC x 3/4 Lg.)
5	10494	4	Swivel Caster (For 2 Gal. Res.)
6	10527	2	O-ring (13/16 x .644 x .087)
7	10528	1	Adapter Union
8	22033	1	Suction Line (For 5 & 7 Gal. Res.)
9	22037	1	Suction Line (For 10 Gal. Res.)
10	21345	1	Filter Assembly
11	40194AL2	1	Adapter Cover Plate (For 5 & 10 Gal. Res.)
12	40490	1	Gasket (For 5 & 10 Gal. Res.)
13	40188BK2	1	Cover Plate (For 7 Gal. Res.)
14	†40164	1	Gasket (For 7 Gal. Res.)

PARTS NOT SHOWN

309219	2	Trade Name Decal
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Part numbers marked with a dagger (†) are contained in Repair Kit No. 300839.

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.