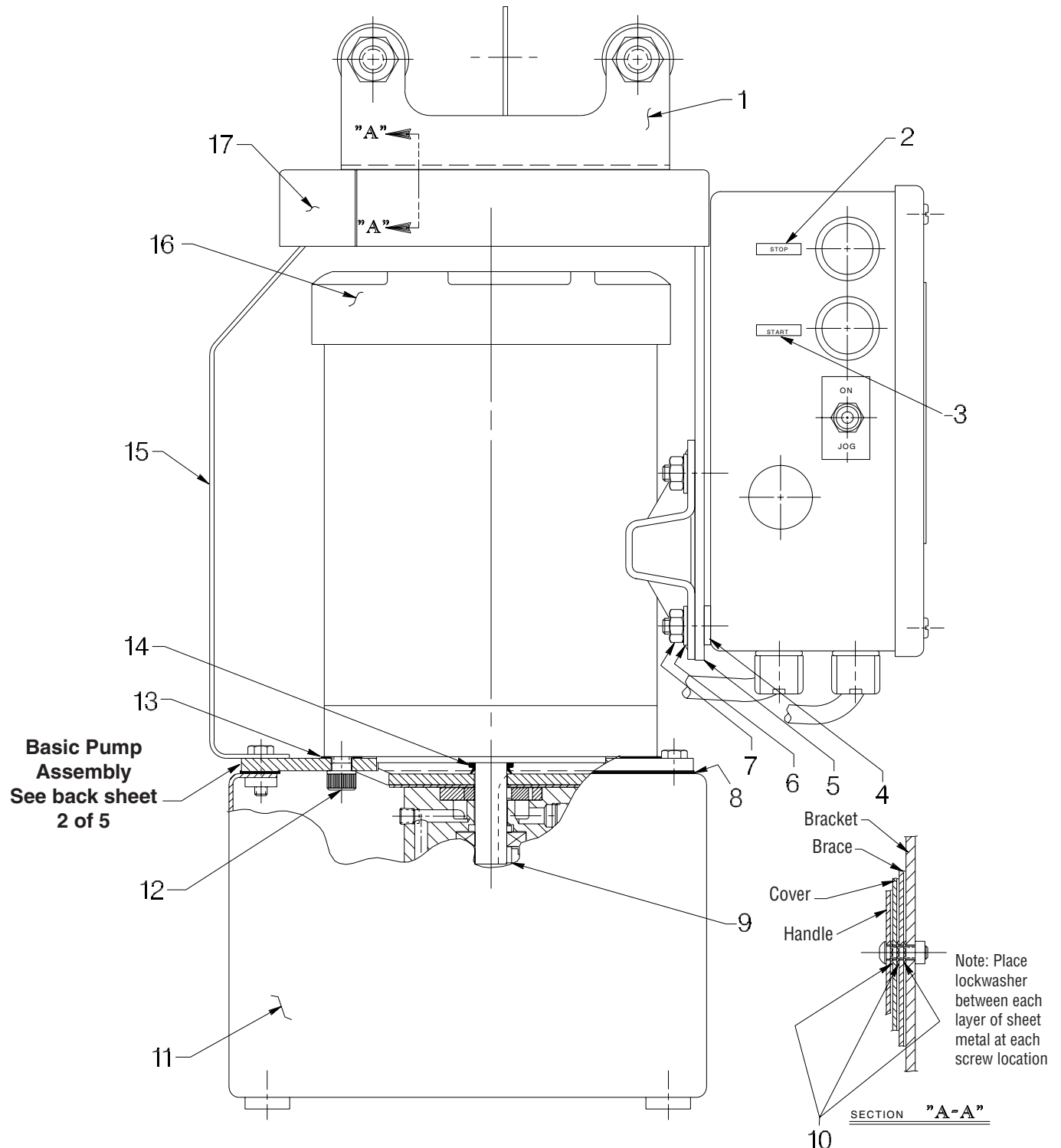


ELECTRIC HYDRAULIC PUMP



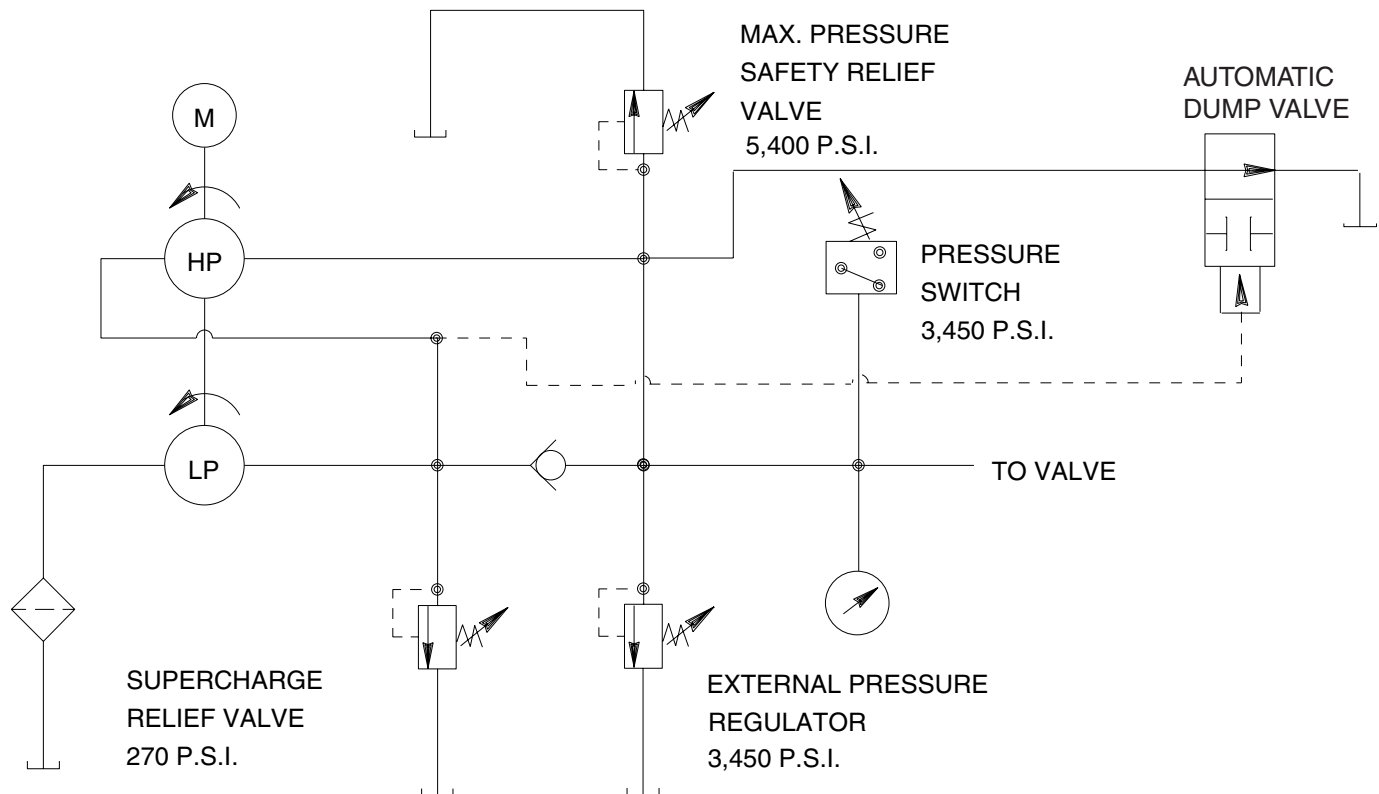
Sheet No. 1 of 5

Rev.

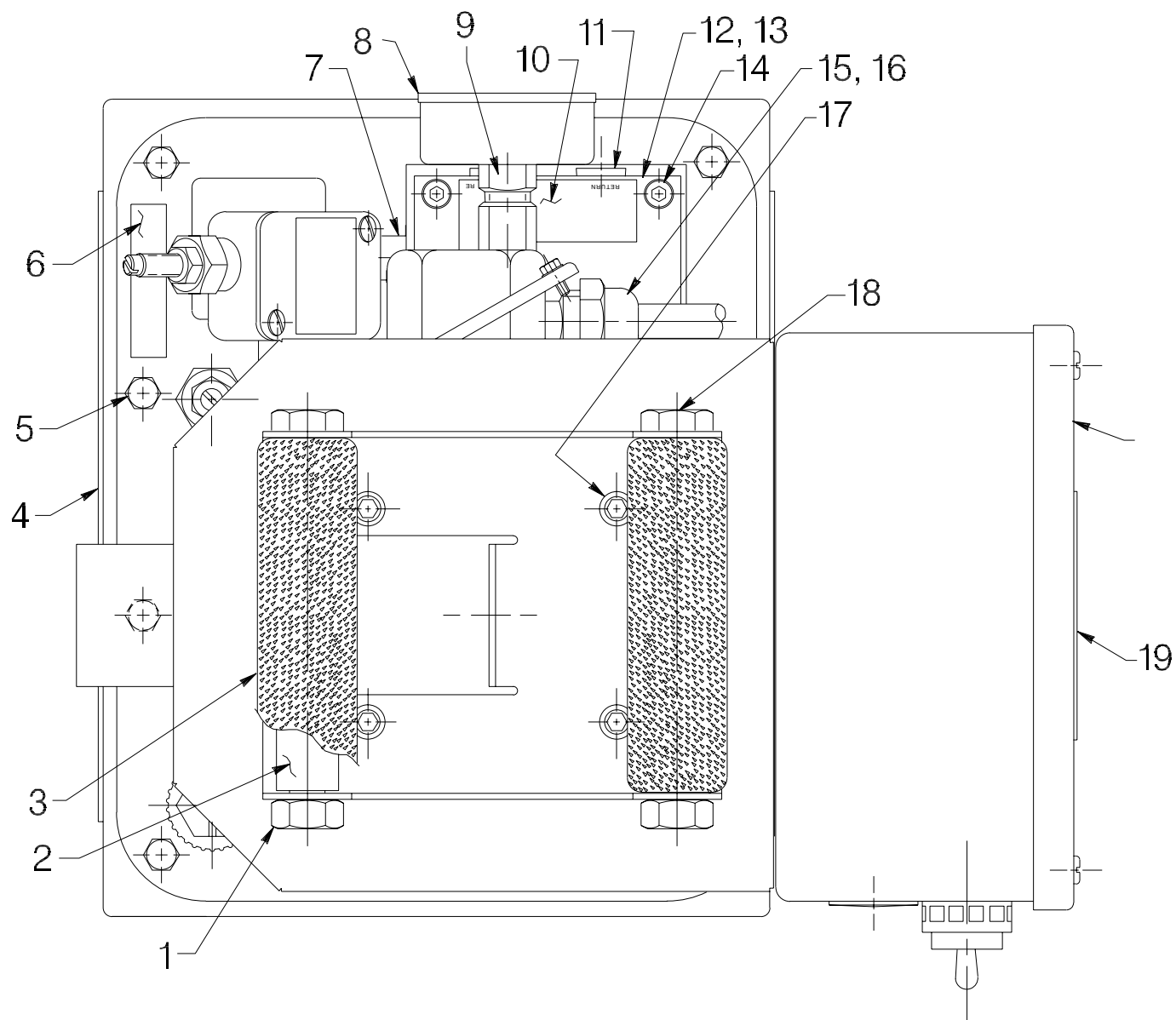
Date: 25 May 1995

Item No.	Part No.	No. Req'd	Description
1	53513BK2	1	Handle
2	203769	1	Decal
3	203808	1	Decal
4	16450	4	Steel Washer (For 1/4 Bolt)
5	53514BK2	1	Mount Bracket
6	12719	4	Washer (For 1/4 Bolt)
7	10199	4	Hex Nut (1/4-20 UNC)
8	47409	1	Gasket
9	214097	1	Key
10	11351	12	Washer (1/4 External Tooth)
11	40063PU2	1	Reservoir
12	10050	4	Cap Screw (3/8-16 X 1" Lg.; Torque to 90/100 in. lbs.)
13	307425	1	Motor Base Gasket
14	213674	1	V-ring
15	53515BK2	1	Brace
16	53518	1	Electric Motor
17	53516BK2	1	Cover

HYDRAULIC SCHEMATIC (REF.)



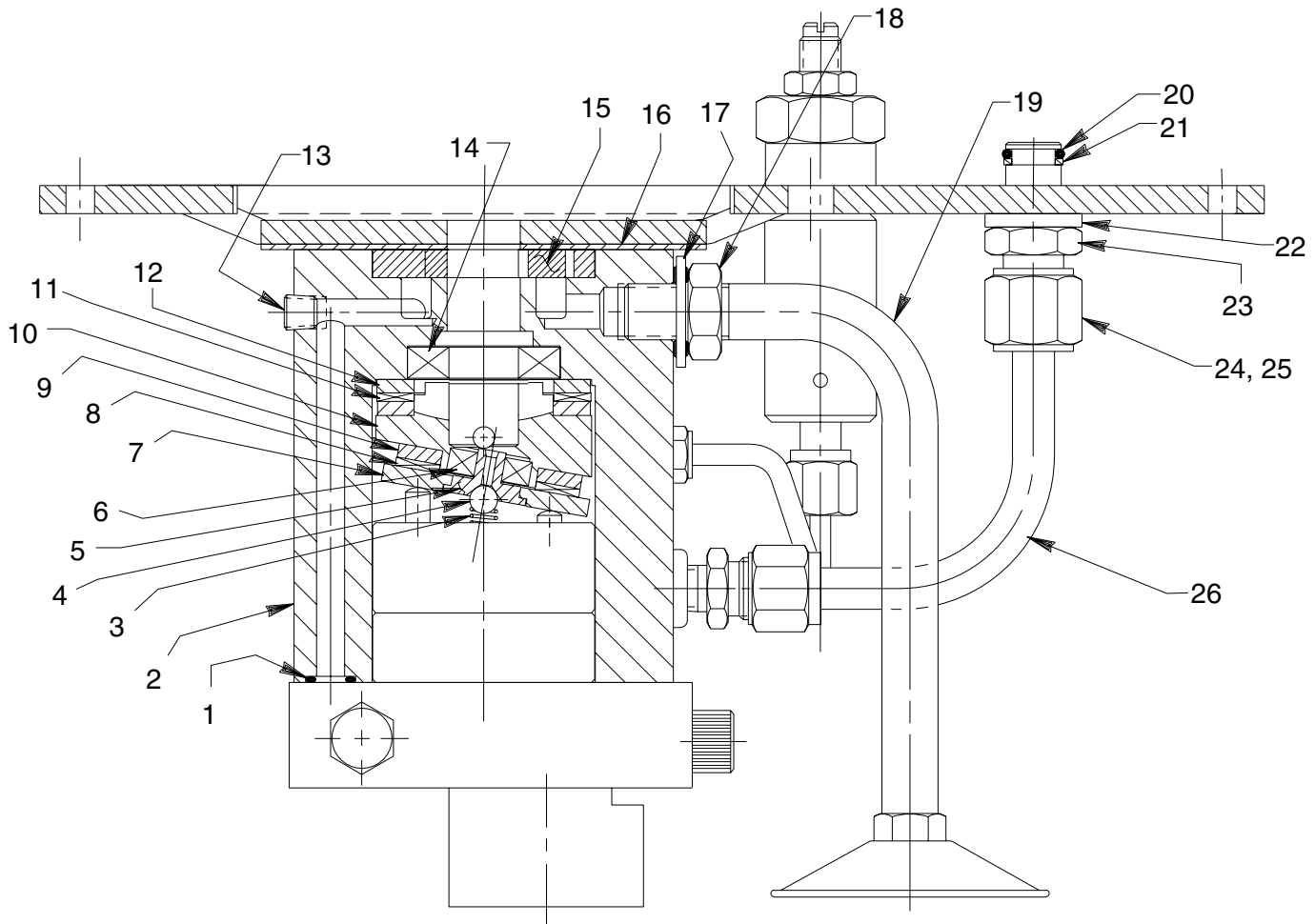
TOP VIEW



Item No.	Part No.	No. Req'd	Description
1	10208	2	Hex Nut (1/2-13 UNC)
2	213706	1	Plug
3	216658	2	Tube Handle
4	216668	2	Handle Grip
5	309233	2	Decal
6	10009	10	Cap Screw (1/4-20 UNC X 3/4 Lg.)
7	213695	1	CSA Decal
8	10645	1	45° Elbow
9	17946	1	Pressure Gauge
10	10617	2	Elbow

Item No.	Part No.	No. Req'd	Description
11	210995	1	Trade Name Decal
12	13270	2	Plastic Plug
13	45837	1	Manifold
14	200609	1	Drain Tube
15	10020	4	Cap Screw (1/4-20 UNC X 1-1/4 Lg.)
16	216660	1	Bushing
17	216680	1	Locknut
18	250383	4	Cap Screw (1/4-20 UNC x 3/4 Lg.)
19	216681	2	Bolt
20	309114	1	Decal

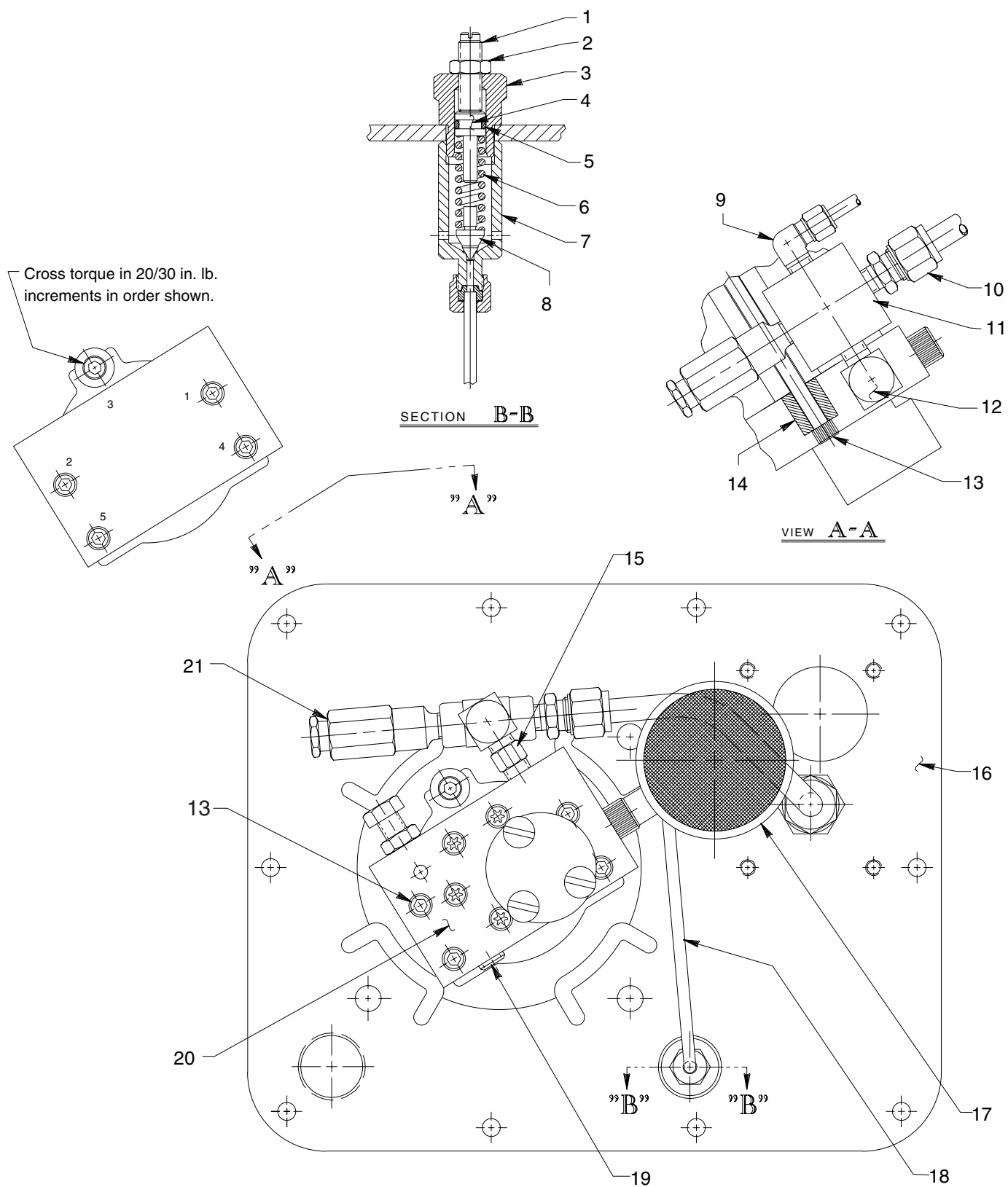
BASIC PUMP ASSEMBLY SIDE VIEW



Item No.	Part No.	No. Req'd	Description
1	10267	1	O-ring (7/16 X 5/16 X 1/16, -011)
2	52883	1	Body
3	16320	1	Compression Spring (1/4 O.D. X 3/4 Lg.)
4	10375	1	Steel Ball (1/4 Dia.)
5	23547	1	Bearing Top Plate
6	11814	1	Ball Bearing
7	23548	1	Top Plate
8	15431	1	Needle Bearing
9	15432	1	Bearing Race
10	35271	1	Angle Plate
11	11228	1	Thrust Bearing
12	11227	2	Bearing Race
13	11084	1	Plug (Torque to 35/45 in. lbs. oiled)
14	15695	1	Ball Bearing
15	15693	1	Gerotor Set

Item No.	Part No.	No. Req'd	Description
16	307296	1	Wear Plate
17	213709	1	Seal Washer (Turn on - Do not push on)
18	10390	1	Nut (1/2-20 UNF)
19	213686	1	Intake Tube
20	10268	1	O-ring (1/2 X 3/8 X 1/16, -012)
21	11863	1	Backup Washer (1/2 X 3/8 X 1/16, -012)
22	21484	1	Spacer
23	214772	1	Valve Connector (Note: Torque valve connector [Item #24] to 20/30 ft. lbs. into cover plate. Hold valve connector and torque tube nut [Item #27] to 40/50 ft. lbs.)
24	10430	1	Tube Sleeve
25	10431	1	Tube Nut
26	308614	1	Oil Line Tube

BASIC PUMP ASSEMBLY BOTTOM VIEW



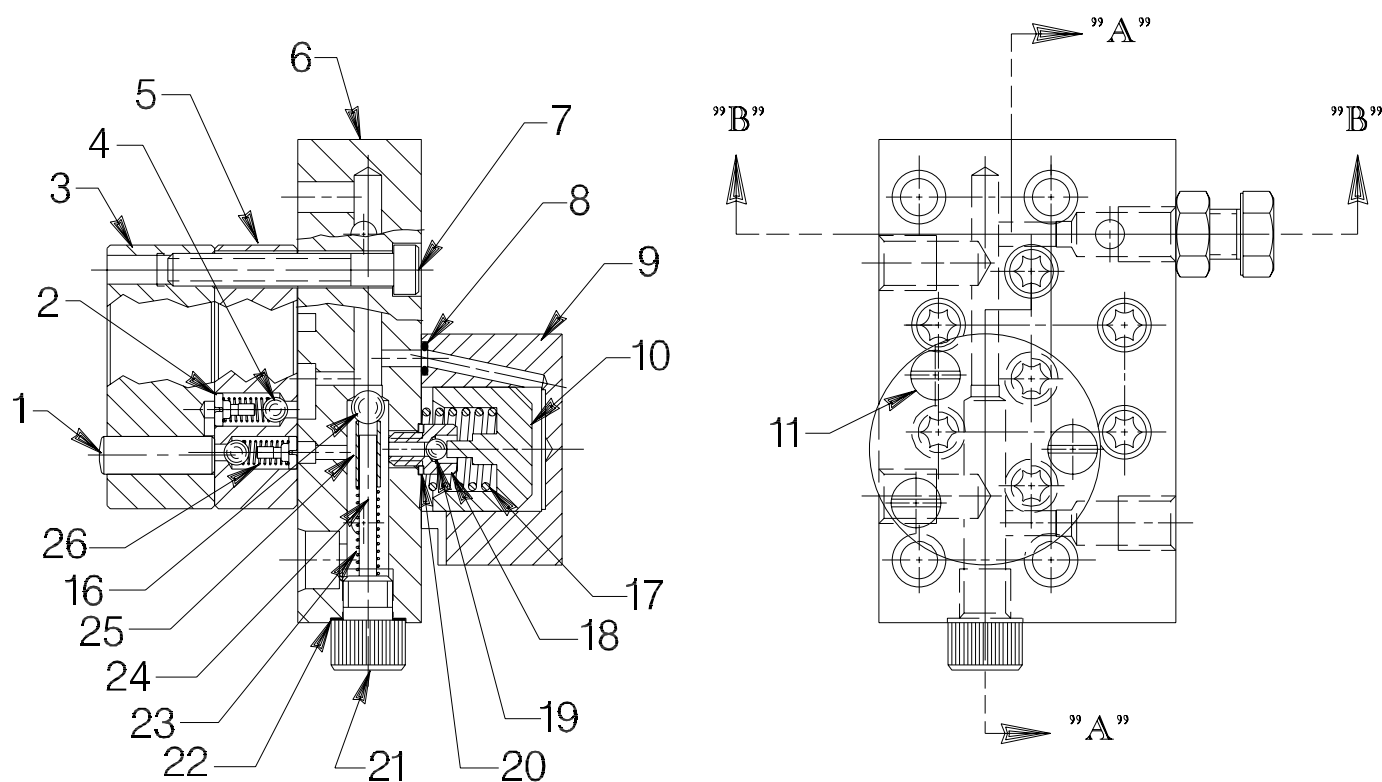
Item No.	Part No.	No. Req'd	Description
1	22362	1	Valve Adjusting Screw
2	10386	1	Nut (3/8-24 UNF)
3	21305	1	Valve Cap
4	21306	1	Spring Guide
5	10268	1	O-ring (1/2 x 3/8 x 1/16, -012)
6	10495	1	Compression Spring (1/2 O.D. X 1-5/8 Lg.)
7	22361	1	Valve Body
8	21046	1	Valve Stem
9	16177	1	Tube Elbow
10	12696	1	Connector
11	208077	1	Single Cross Fitting
12	24730	1	Elbow
13	15642	5	Cap Screw (1/4-20 X 5" Lg.; Torque to 55/65 in. lbs.)
14	214720	1	Spacer
15	11421	1	Pipe Nipple
16	47404	1	Cover Plate
17	29682	1	Strainer
18	308615	1	Pressure Regulator Tube
19	10427	1	Pipe Plug (1/8 NPTF)
20	350851	1	Pump Body Ass'y
21	21278-50	1	Relief Valve

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

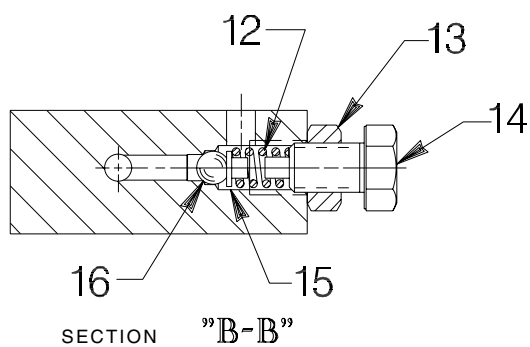
Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine Hytec replacement parts!**

Additional questions can be directed to our Technical Services Department.

HIGH PRESSURE PUMP ASSEMBLY



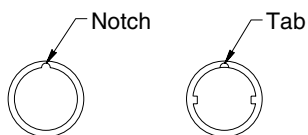
SECTION "A-A"



SECTION "B-B"

Item No.	Part No.	No. Req'd	Description
1	21628	2	Piston
2	24549	4	Ball Guide
3	48020	1	Barrel
4	12223	4	Ball (3/16 Dia.)
5	41007	1	Valve Head
6	36911	1	End Plate
7	16747	7	Screw (Torque to 170 in. lbs.; Note: Lubricate under head and on threads.)
8	10264	1	O-ring (1/4 X 1/8 X 1/16, -006)
9	308613	1	Cylinder Valve
10	202088	1	Piston
11	214941	3	Machine Screw (1/4-20 UNC x 1-1/2 Lg.)
12	15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)
13	10386	1	Nut (3/8-24 UNF)
14	200797	1	Adjusting Screw
15	200796	1	Adapter
16	10375	2	Steel Ball (1/4 Dia.)
17	16465	1	Compression Spring (5/8 O.D. X 3/4 Lg.)
18	201995	1	Replaceable Seat
19	10419	1	Steel Ball (5/32 Dia.)
20	10442	1	Washer (3/8 X 1/4 X 1/32)
21	29690	1	Screw (Torque to 180 in. lbs.)
22	12042	1	Copper Washer (9/16 X 3/8 X 1/32)
23	14431	1	Compression Spring (3/16 O.D. X 3/4 Lg.)
24	12571	1	Pin
25	201998	1	Sleeve
26	10445	4	Compression Spring (5/32 O.D. X 3/4 Lg.)

MOTOR CONTROL ASSEMBLY



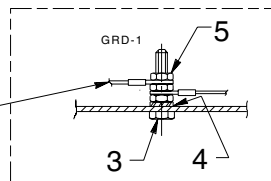
Rubber Washer
Assemble to back
of push button.

Plastic Keyed
Sealing Washer

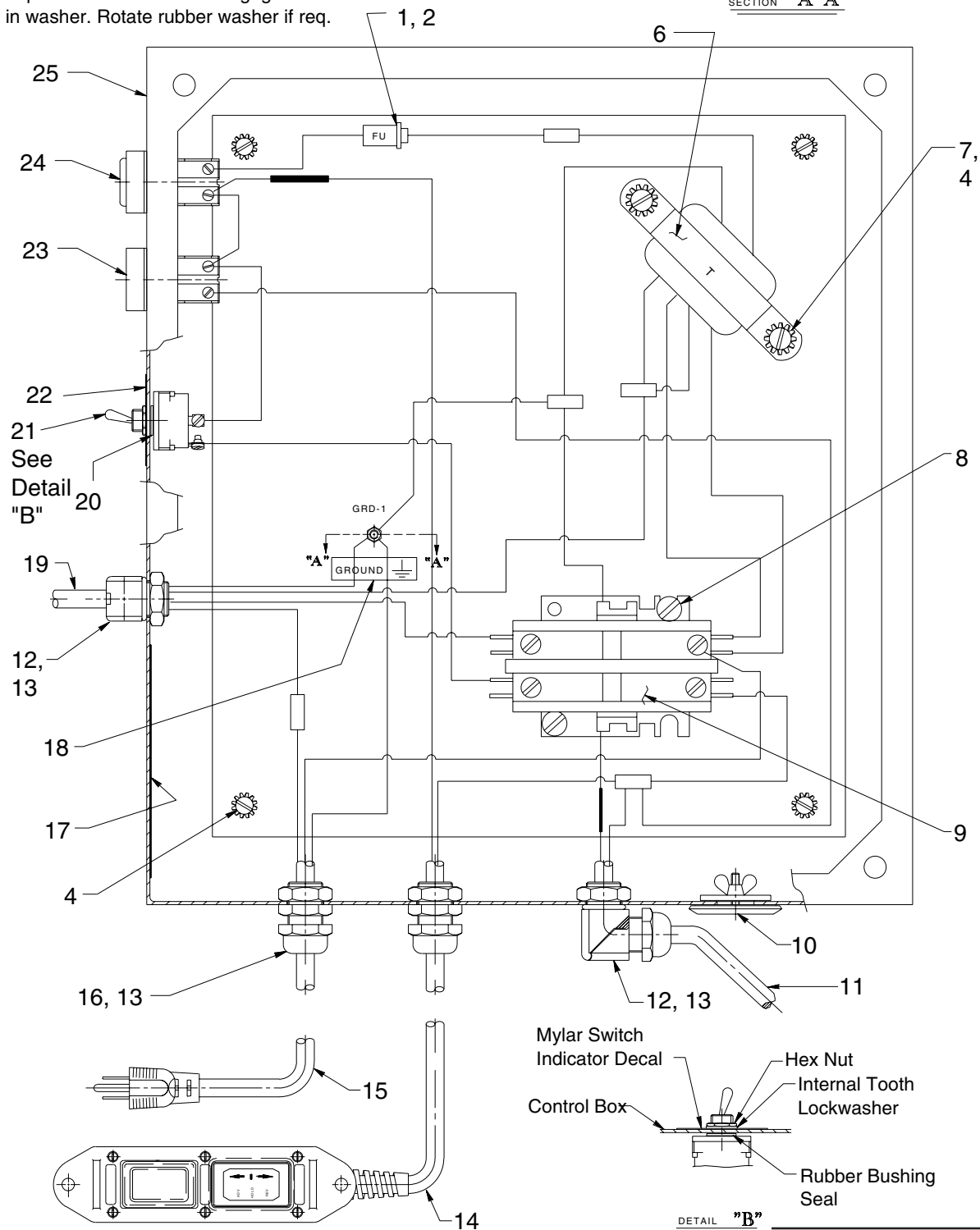
Note: Assemble plastic keyed sealing washer to pushbutton so that tab engages notch in washer. Rotate rubber washer if req.

Power Cord Ground
(must be isolated between
nuts and can be at top or
bottom of stack.)

Note: Serrated lockwasher must be adjacent to metal box. More washers can be used if desired.



SECTION A-A



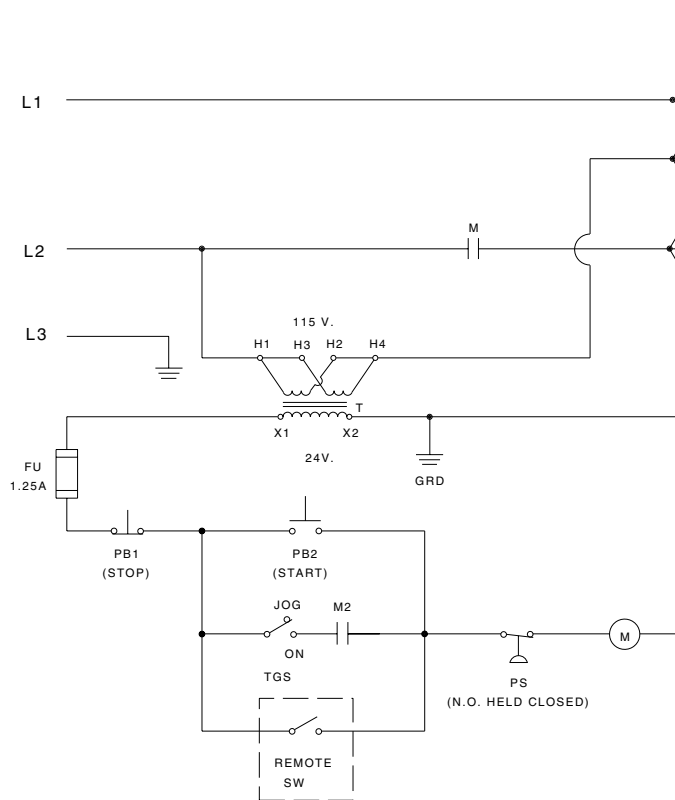
Parts List, Form No. 101387, Back sheet 5 of 5

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	16887	1	Fuse Holder	14	25017	1	Hand Switch Assembly
2	250442	1	Fuse	15	25229	1	Cord Set (For 115 V.; Model 100888)
3	104484	1	Screw (10-24 UNC X 3/4 Lg.)		308752	8 ft.	Electrical Cable (14/3 SJTO: For 230 V.; Model 100888-230)
4	11108	7	Lockwasher (#10 External Tooth)		11209	1	Electrical Plug (For 230 V.; Model 100888-230)
5	10197	3	Nut (#10-24 UNC)	16	216666	2	Bushing
6	305665	1	Transformer	17	250440	1	Decal
7	10164	2	Machine Screw (#10-24 UNC X 3/8 Lg.)	18	205189	1	Ground Decal
8	10166	2	Machine Screw (#10-24 UNC X 1/2 Lg.)	19	309022	1.42 ft.	Electrical Cable (14/4 SJOW)
9	420718-4	1	Contactor	20	216670	1	Seal
10	216669	1	Plug	21	12301	1	Toggle Switch
11	52203	1	Pressure Switch Cable (18/2 SJTO)	22	204577	1	Decal
12	216667	2	Bushing	23	39282	1	Pushbutton Switch
13	216680	4	Locknut	24	39283	1	Pushbutton Switch
				25	250001	1	Control Box Assembly

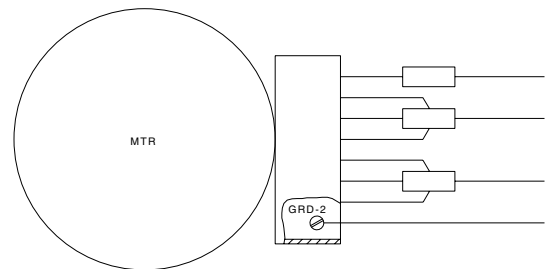


WARNING: To help avoid personal injury, all electrical work must be done by a qualified electrician.

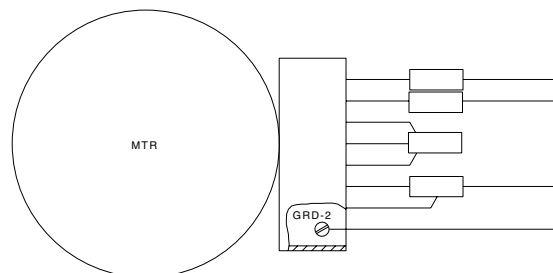
ELECTRICAL SCHEMATIC



MOTOR CONNECTIONS FOR 115 V.



MOTOR CONNECTIONS FOR 230 V.



Transformer connections are for
115 V., 60 Hz. as shown

For 230 V., 60 Hz. units,
transformer connections to be as
follows: H1 TO L1
 H2 TO H3
 H4 TO L2

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