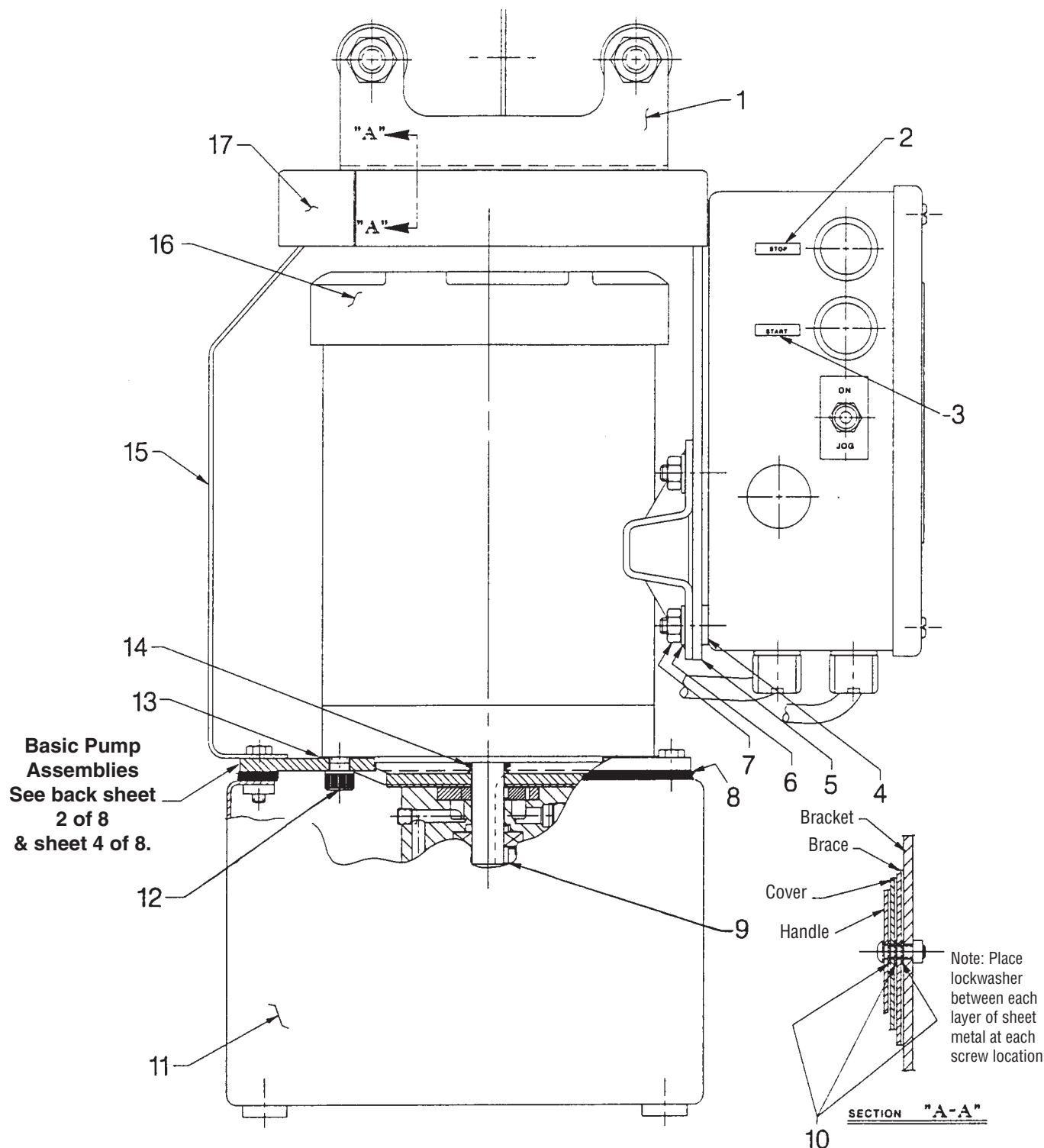


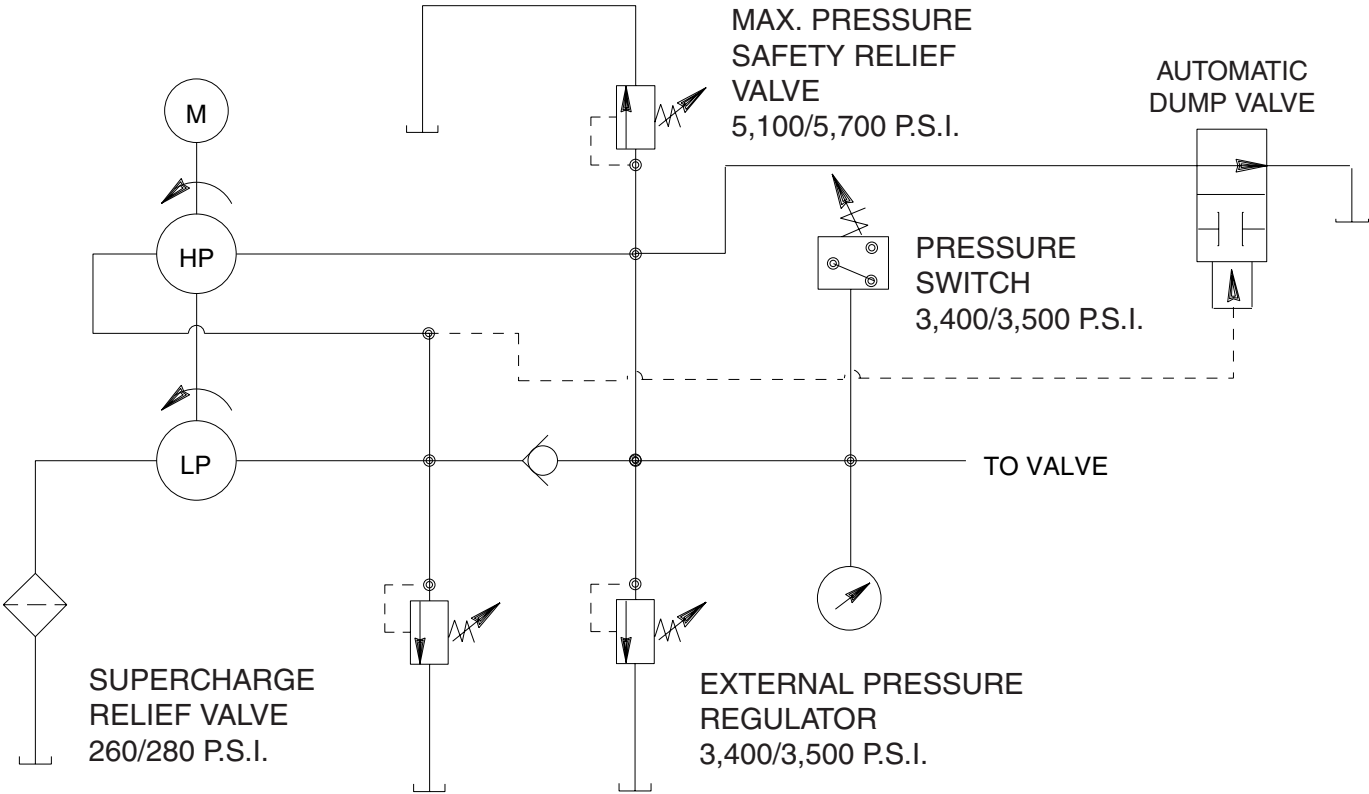
Model B ELECTRIC HYDRAULIC PUMP



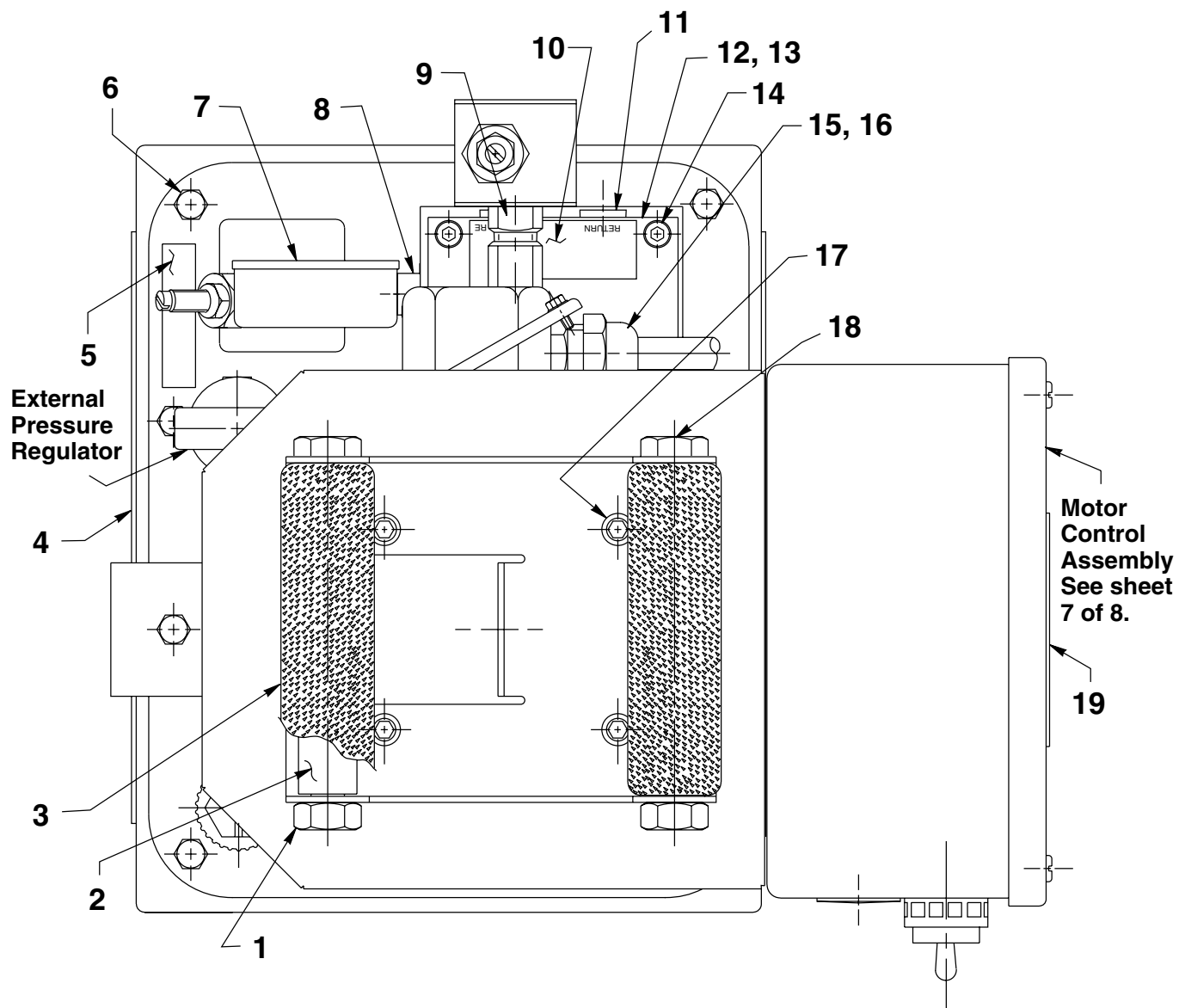
Item No.	Part No.	No. Req'd	Description
1	53513BK2	1	Handle
2	203769	1	Decal
3	203808	1	Decal
4	16450	4	Steel Washer (For 1/4 Bolt)
5	53514BK2	1	Mount Bracket
6	12719	4	Washer (For 1/4 Bolt)
7	10199	4	Hex Nut (1/4-20 UNC)
8	47409	1	Gasket
9	214097	1	Key
10	11351	12	Washer (1/4 External Tooth)
11	40063PU2	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	58061BK2	1	Electric Motor
17	53516BK2	1	Cover

PARTS INCLUDED BUT NOT SHOWN
100909 1 Coupler

HYDRAULIC SCHEMATIC



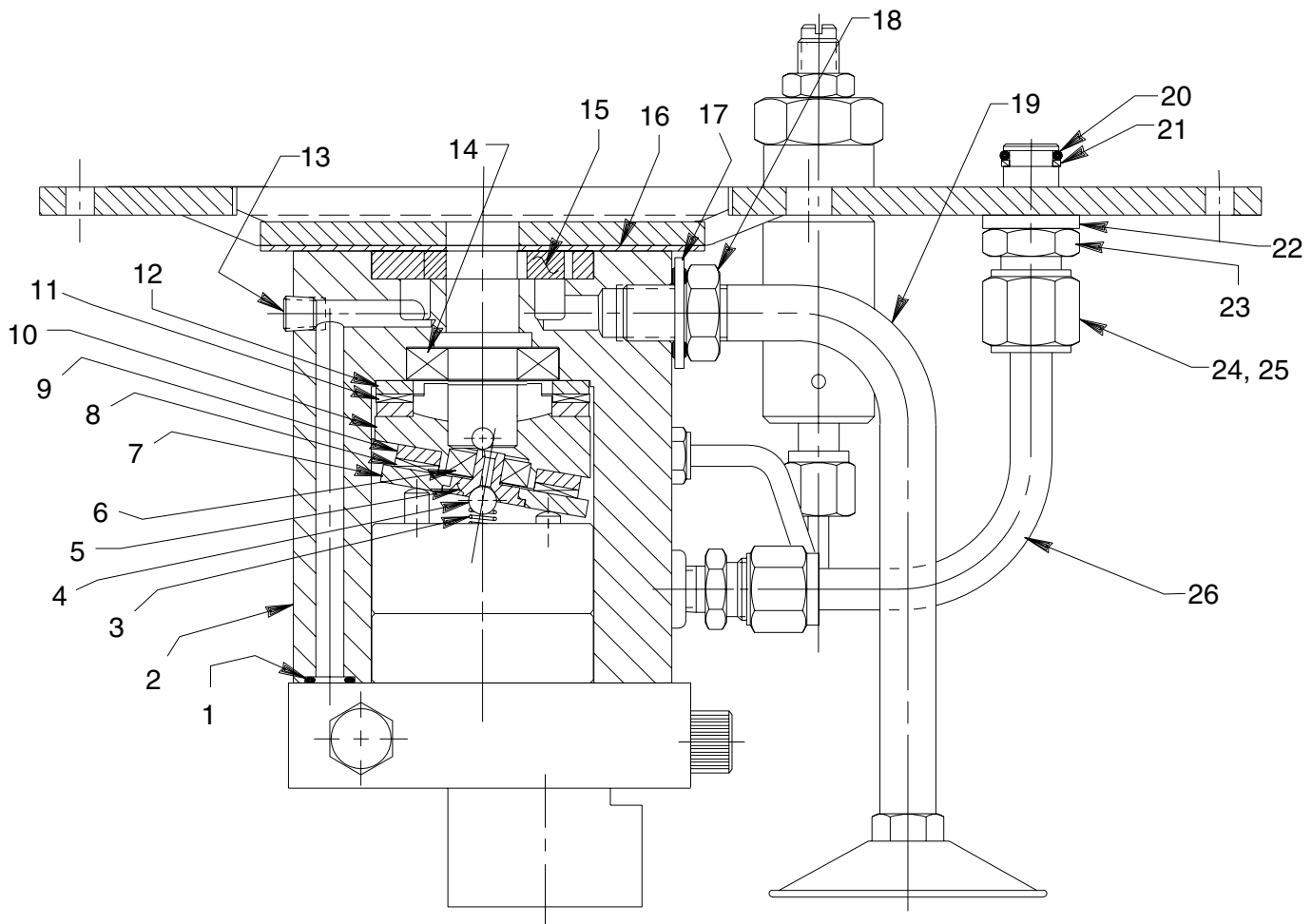
TOP VIEW



Item No.	Part No.	No. Req'd	Description
1	10208	2	Hex Nut (1/2-13 UNC)
2	216658	2	Tube Handle
3	216668	2	Handle Grip
4	309233	2	Decal
5	213695	1	Decal
6	10009	10	Cap Screw (1/4-20 UNC X 3/4 Lg.)
7	17946	1	Pressure Gauge
8	10645	1	45° Elbow
9	10617	2	Elbow
10	210995	1	Decal

Item No.	Part No.	No. Req'd	Description
11	13270	2	Plastic Cap
12	45837	1	Manifold
13	200609	1	Drain Tube
14	10020	4	Cap Screw (1/4-20 UNC X 1-1/4 Lg.)
15	216666	1	Bushing
16	216680	1	Locknut Conduit
17	250383	4	Cap Screw (1/4-20 UNC x 3/4 Lg.)
18	216681	2	Bolt
19	309114	1	Decal

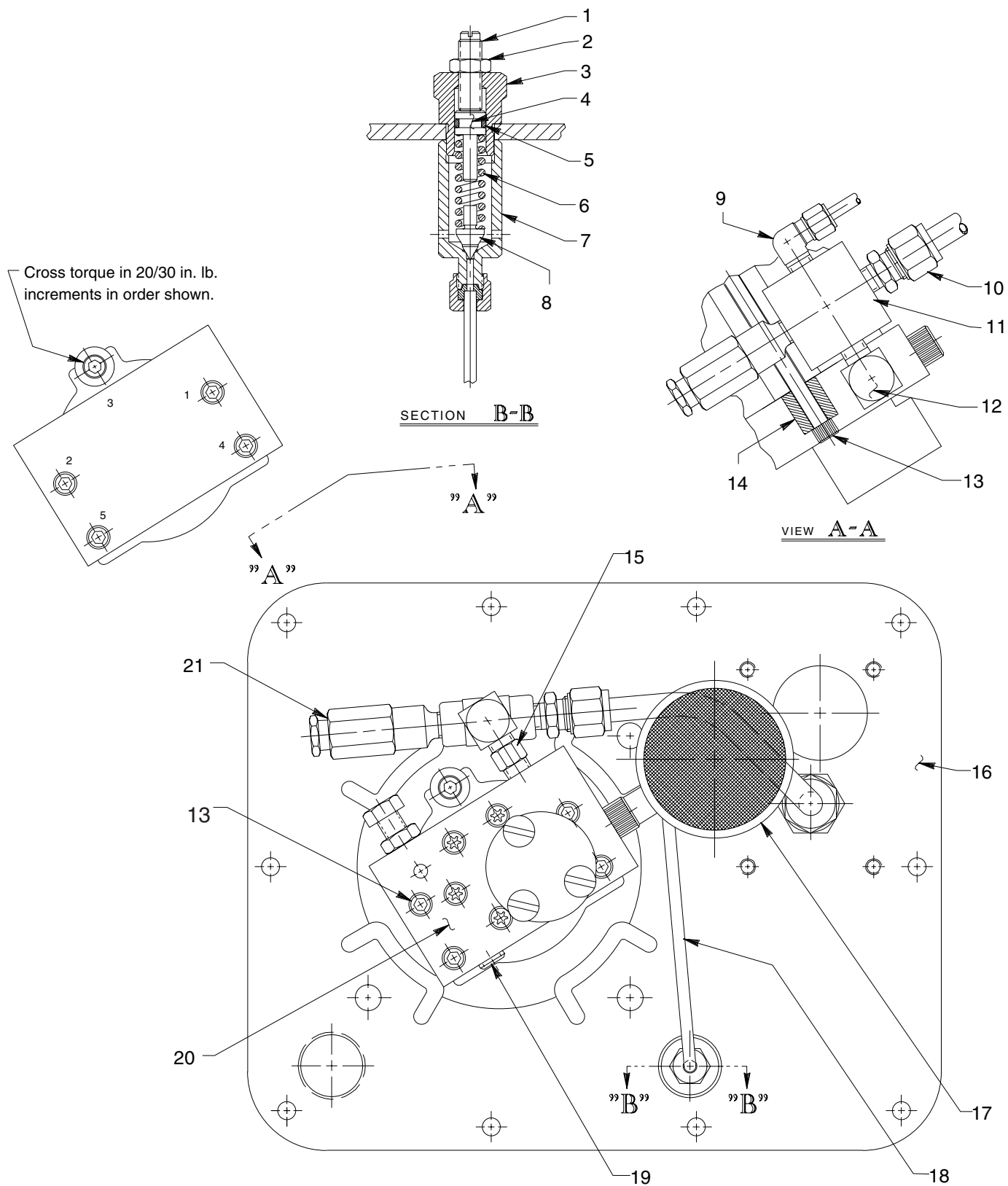
BASIC PUMP ASSEMBLY **SIDE VIEW (BEFORE 2-1-96)** (On all pumps manufactured before 2-1-96)



Item No.	Part No.	No. Req'd	Description
1	10267	1	O-ring (7/16 X 5/16 X 1/16)
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)
21	11863	1	Backup Washer (1/2 X 3/8 X 1/16)
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 #25] 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 (BEFORE 2-1-96)
(On all pumps manufactured before 2-1-96)



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)
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

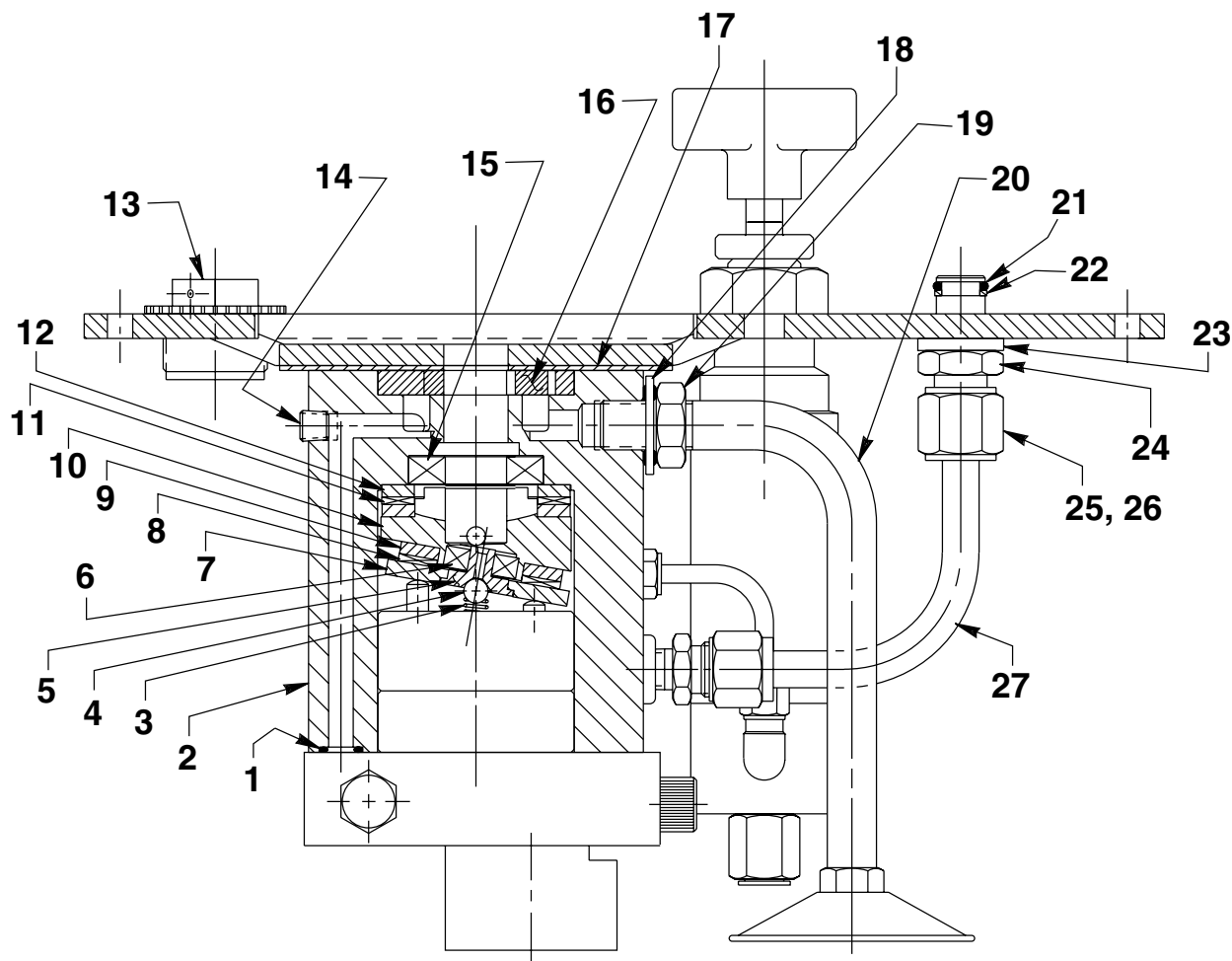
Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

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.

BASIC PUMP ASSEMBLY SIDE VIEW (AFTER 2-1-96)

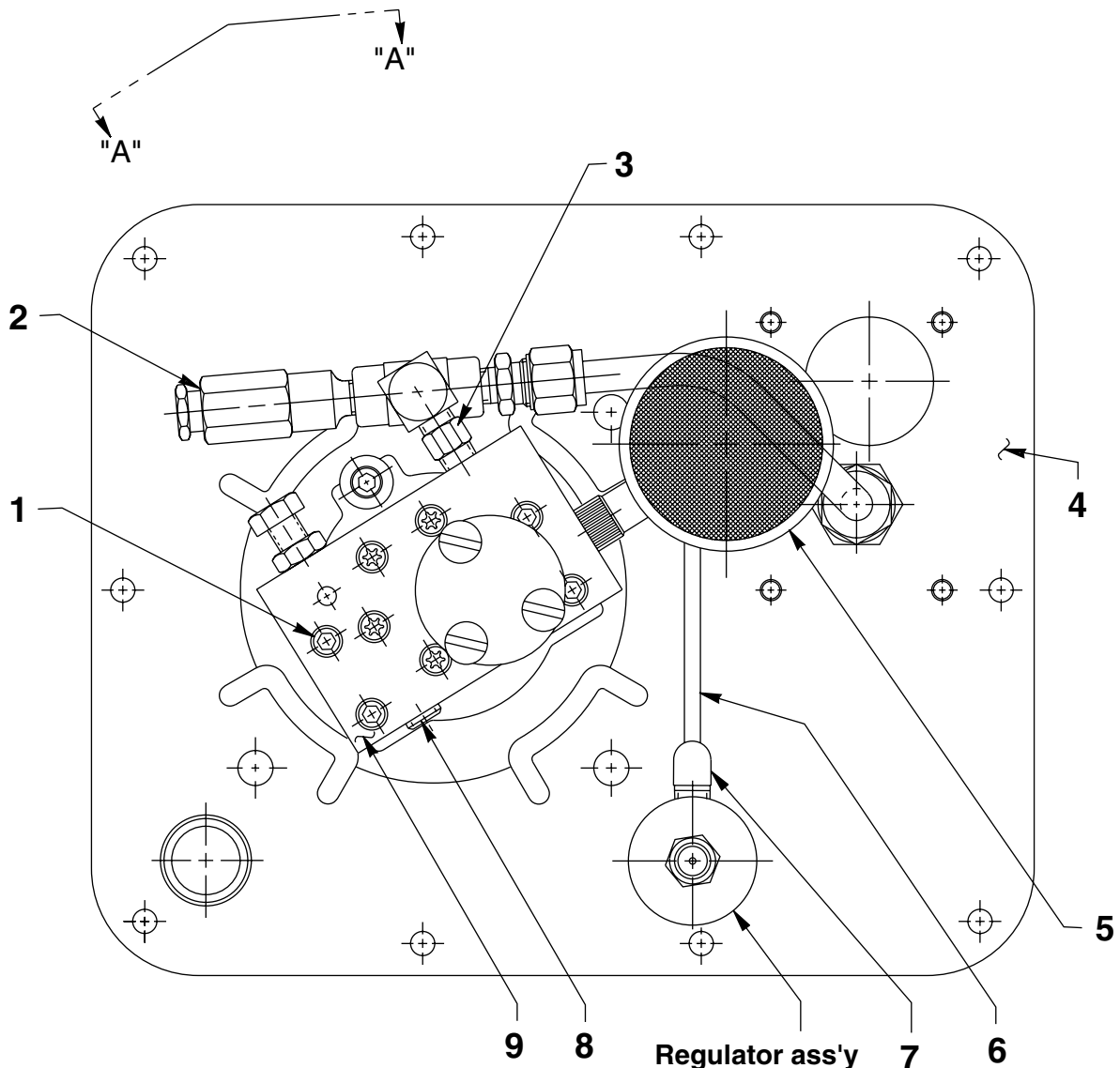
(On all pumps manufactured after 2-1-96)



Item No.	Part No.	No. Req'd	Description
1	10267	1	O-ring (7/16 X 5/16 X 1/16; Nitrile)
	18974	1	O-ring (7/16 X 5/16 X 1/16; Viton)
	13472	1	O-ring (7/16 X 5/16 X 1/16; EPR)
2	52883	1	Body
3	16320	1	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 Plate
12	11227	2	Bearing Race
13	213706	1	Plug
14	11084	1	Plug
15	15695	1	Ball Bearing
16	15693	1	Gerotor Set

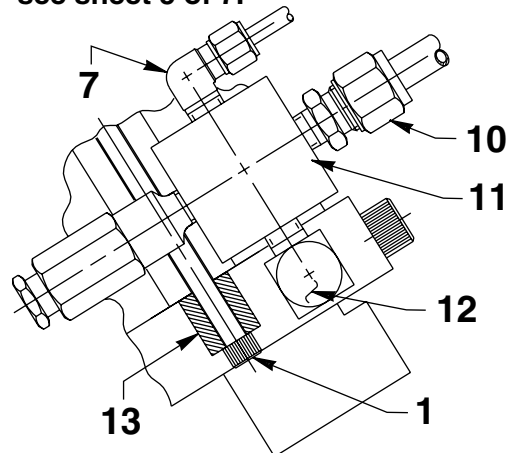
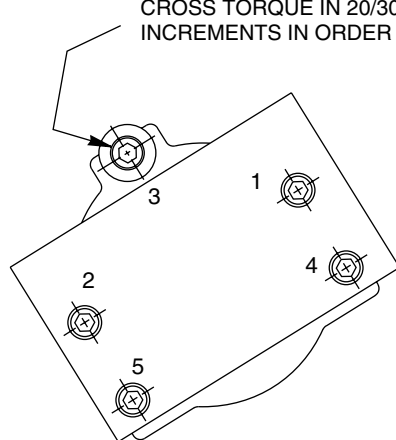
Item No.	Part No.	No. Req'd	Description
17	307296	1	Wear Plate
18	213709	1	Seal Washer (Nitrile)
	215633	1	Seal Washer (Viton)
	215634	1	Seal Washer (EPR)
19	10390	1	Nut (1/2-20 UNF)
20	213686	1	Intake Tube
21	10268	1	O-ring (1/2 X 3/8 X 1/16; Nitrile)
	11439	1	O-ring (1/2 X 3/8 X 1/16; Viton)
	17716	1	O-ring (1/2 X 3/8 X 1/16; EPR)
22	11863	1	Backup Washer (1/2 X 3/8 X 1/16)
23	21484	1	Spacer
24	214882	1	Valve Connector (Note: The torque between the valve connector [Item #24] and the coverplate shall be 30 ft. lbs. max.)
25	10430	1	Tube Sleeve
26	10431	1	Tube Nut (5/8-18 UNF)
27	308614	1	Oil Line Tube

BASIC PUMP ASSEMBLY
BOTTOM VIEW (AFTER 2-1-96)
(On all pumps manufactured after 2-1-96)



Regulator ass'y
see sheet 5 of 7.

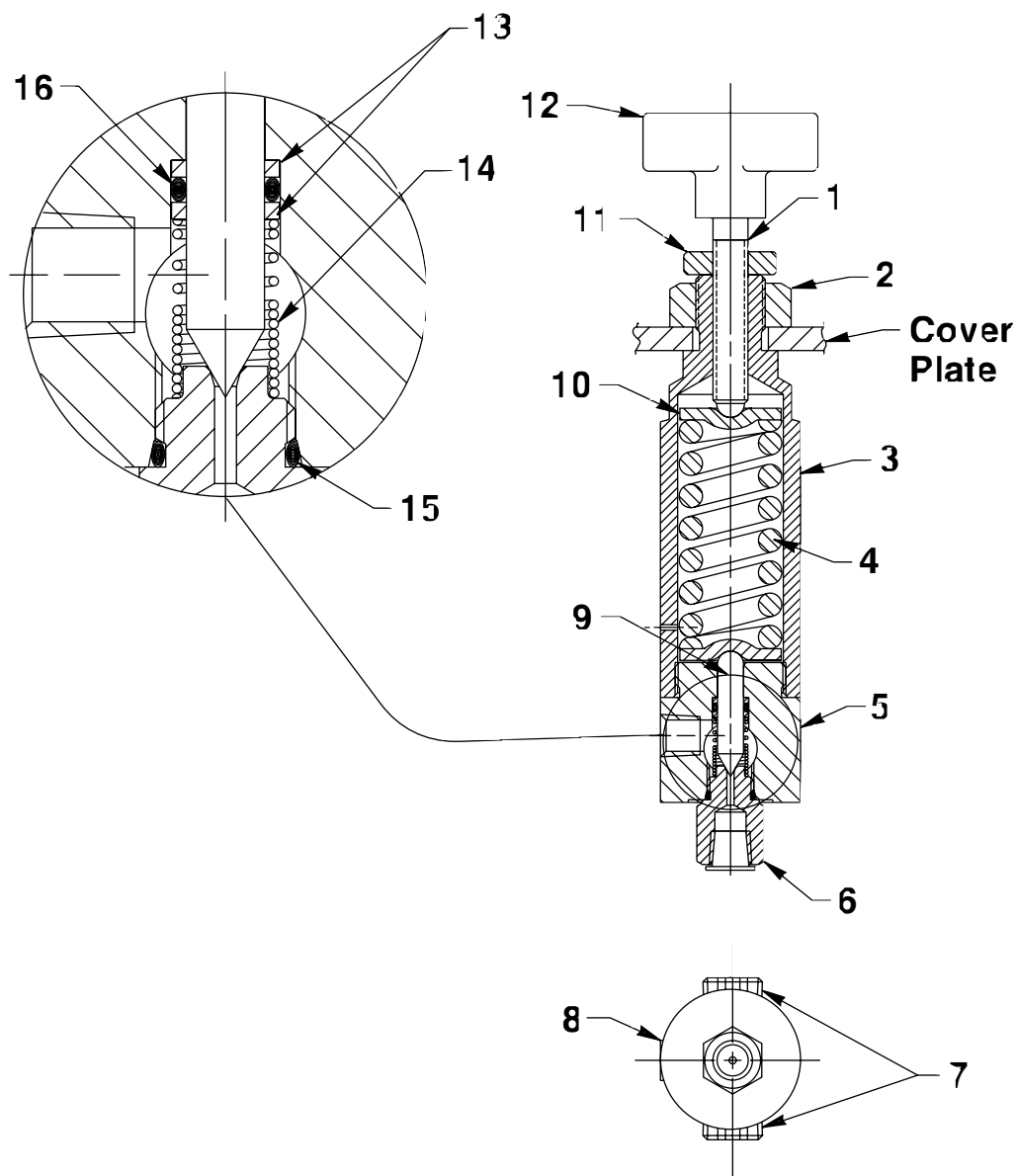
CROSS TORQUE IN 20/30 IN.LBS.
INCREMENTS IN ORDER SHOWN.



VIEW A-A

Item No.	Part No.	No. Req'd	Description
1	15642	5	Cap Screw (1/4-20 UNC X 5" Lg.; Torque to 55/65 in. lbs.)
2	21278-50	1	Internal Relief Valve
3	11421	1	Pipe Nipple
4	47404BK2	1	Cover Plate
5	29682	1	Strainer
6	351198	1	Pressure Tube
7	16177	2	Tube Elbow
8	10427	1	Pressure Plug
9	350851	1	High Pressure Pump
10	12696	1	Connector
11	208077	1	Fitting
12	24730	1	Elbow
13	214720	1	Spacer

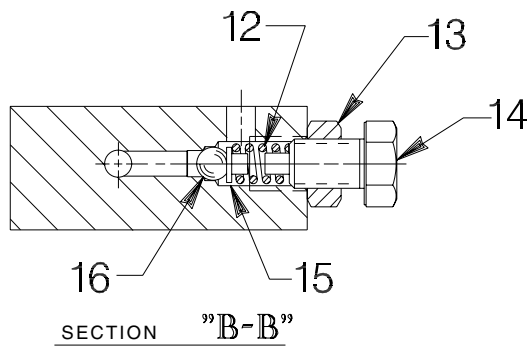
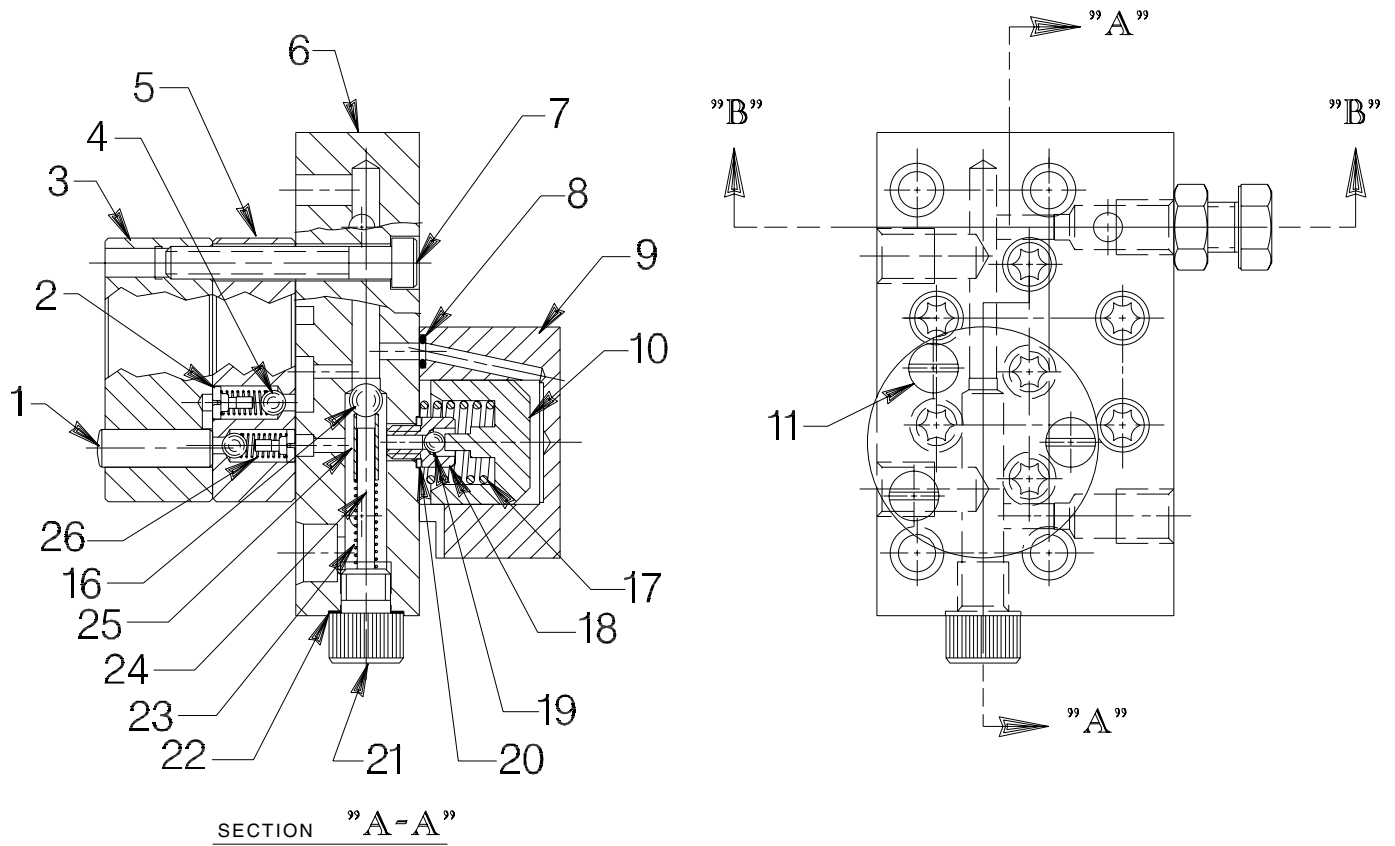
PRESSURE REGULATOR ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	215721	1	Adjustment Stem
2	10396	1	Hex Jam Nut (3/4-16 UNF)
3	309077	1	Regulator Housing
4	215429	1	Compression Spring (1.100 O.D. X 2-1/2 Lg.)
5	47648	1	Regulator Body
6	309078	1	Seat Fitting
7	10909	2	Plug
8	10427	1	Pressure Plug

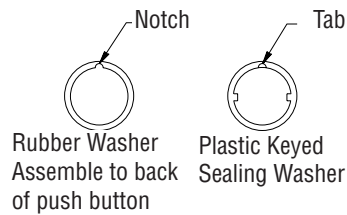
Item No.	Part No.	No. Req'd	Description
9	309079	1	Poppet
10	215428	2	Spring Retainer
11	215683	1	Regulator Locking Nut (3/8-24)
12	215693	1	Knob
13	215430	2	Washer (.385 x .282 x .050)
14	215431	1	Sleeve Spring
15	13755	1	O-ring (.558 x .414 x .072)
16	10266	1	O-ring (3/8 X 1/4 X 1/16)

HIGH PRESSURE PUMP ASSEMBLY

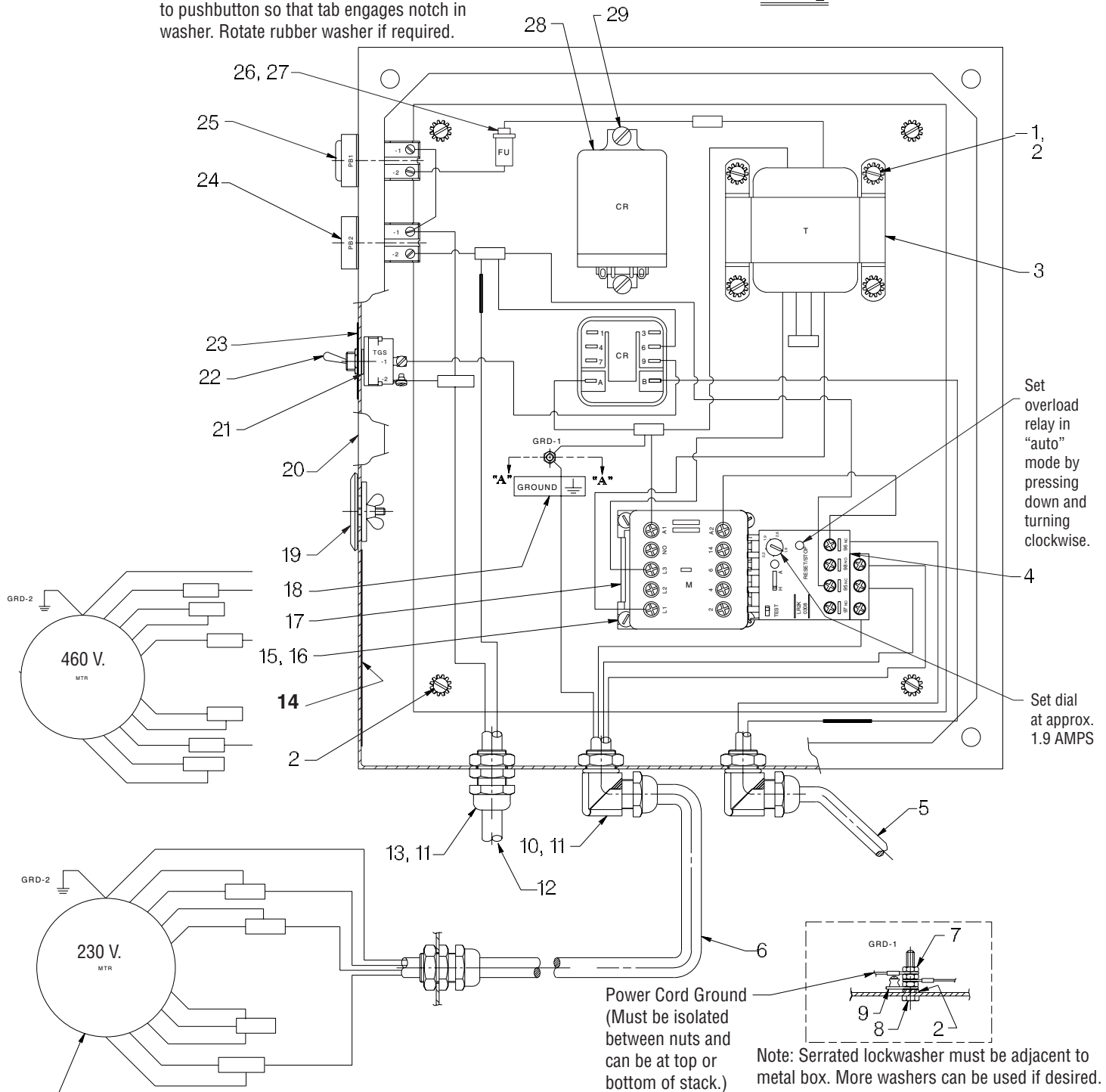
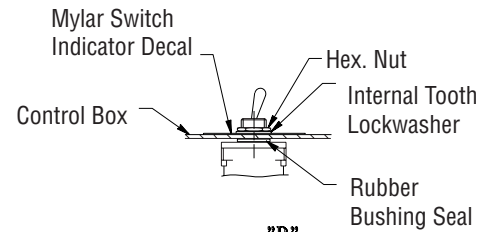


Item No.	Part No.	No. Req'd	Description
1	21628	2	Piston
2	24549	4	Ball Guide
3	48020	1	Barrel
4	12223	4	Ball (3/16 Dia.)
5	41007	1	Valve Head
6	36911	1	End Plate
7	16747	7	Screw (Torque to 170 in. lbs.; Note: Lubricate under head and on threads.)
8	10264	1	O-ring (1/4 X 1/8 X 1/16)
9	308613	1	Cylinder 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



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



Note: For proper motor voltage connection, see electrical decal located on motor.
All voltages must be wired for CCW rotation from lead end of motor.

Note: Graphics updated at last revision(s) made to this form.

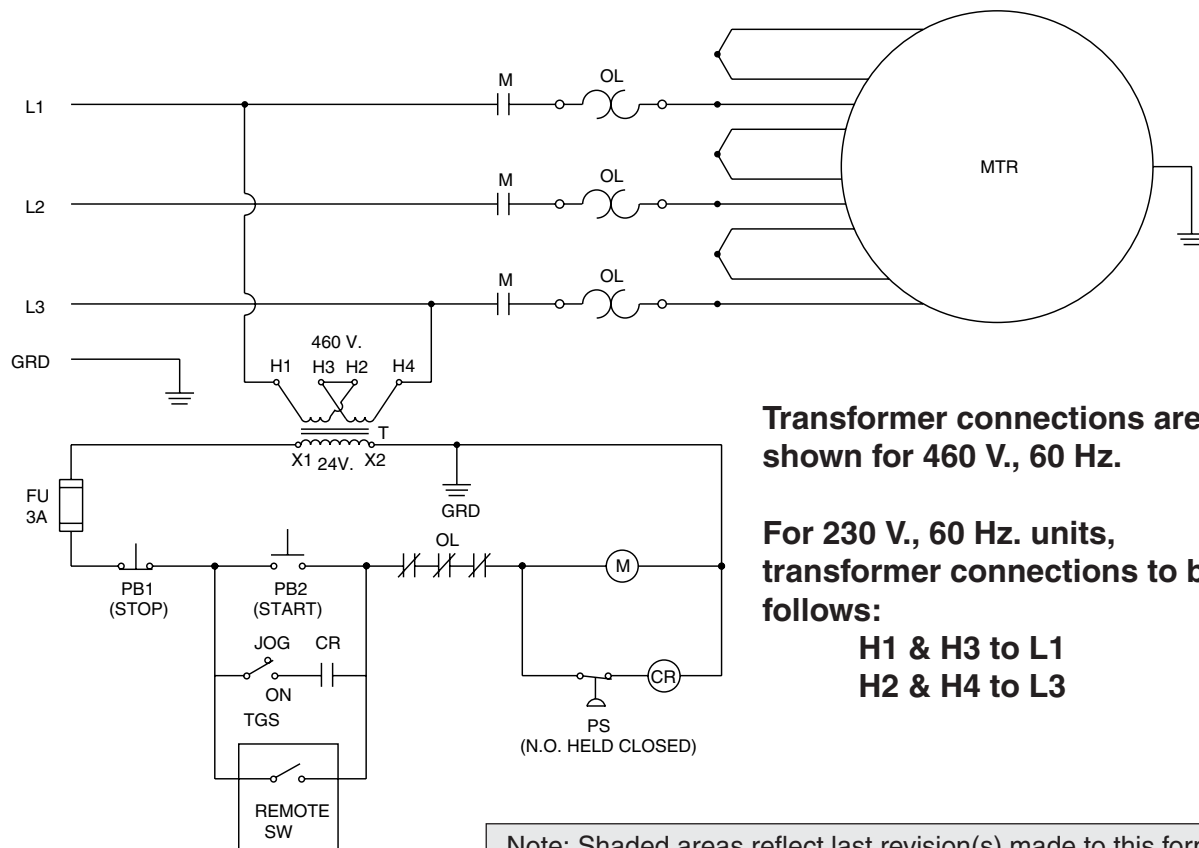
Item No.	Part No.	No. Req'd	Description
1	10164	4	Machine Screw (#10-24 UNC X 3/8 Lg.)
2	11108	11	Lockwasher (#10 External Tooth)
3	11410	1	Transformer
4	350419	1	Overload Relay (For 100879-230; Connect to contactor [Item#17] by inserting pins into 2, 4, & 6 and securing terminal screws; Remove the two remaining pins.)
	350161	1	Overload Relay (For 100879; Connect to contactor [Item#17] by inserting pins into 2, 4, & 6 and securing terminal screws; Remove the two remaining pins.)
5	52203	1	Pressure Switch Cable (18/2 SJTO)
6	15565	2 ft.	Electrical Cable
7	10197	3	Nut (#10-24 UNC)
8	104484	1	Screw (10-24 UNC X 3/4 Lg.)
9	205420	1	Lug Connector
10	216667	2	Bushing
11	216680	3	Locknut
12	25017	1	Hand Switch Assembly

Item No.	Part No.	No. Req'd	Description
13	216666	1	Bushing (See sheet 8 of 8)
14	251150	1	Decal
15	11426	4	Machine Screw (6-32 UNC x 1/2 Lg.)
16	10195	4	Nut (#6-32 UNC)
17	420073	1	Contactor
18	205189	1	Ground Decal
19	216669	2	Plug
20	250001	1	Control Box Assembly
21	216670	1	Seal
22	12301	1	Toggle Switch
23	204577	1	Decal
24	47372	1	Pushbutton Switch
25	47373	1	Pushbutton Switch
26	16887	1	Fuse Holder
27	206962	1	Fuse (3 AMP, 250 V.)
28	39092	1	Relay
29	10159	2	Machine Screw (#6-32 UNC X 5/16 Lg.)

ELECTRICAL SCHEMATIC

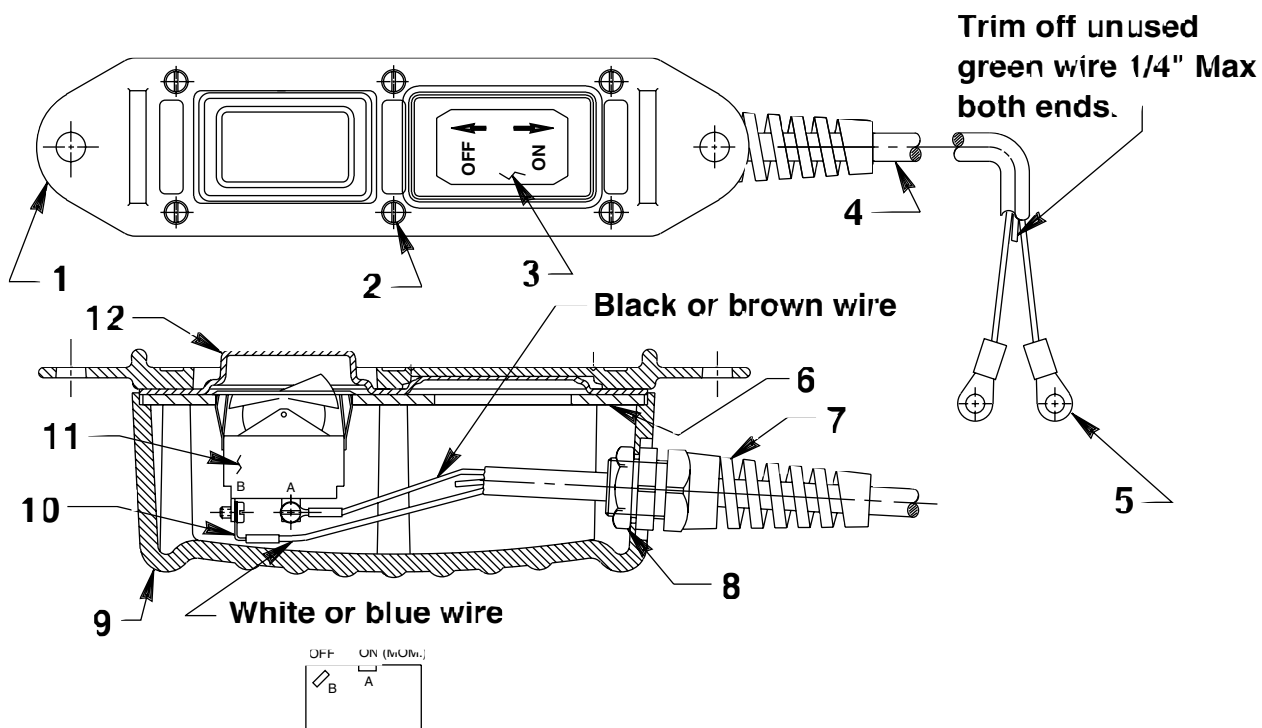


WARNING: To help avoid personal injury, all electrical work must be done by a qualified electrician.



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