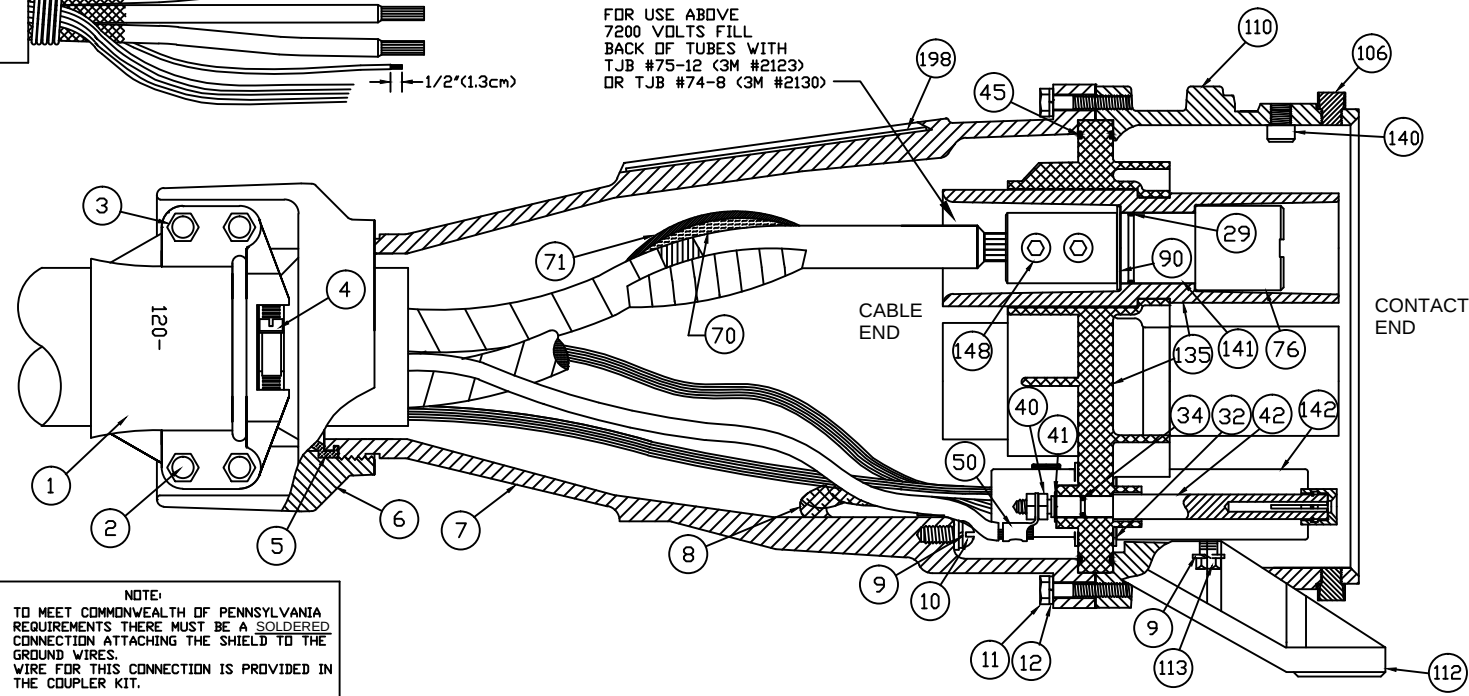
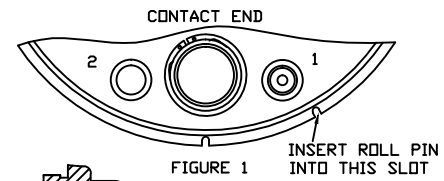


FOR USE ABOVE
7200 VOLTS FILL
BACK OF TUBES WITH
TJB #75-12 (3M #2123)
OR TJB #74-8 (3M #2130)



NOTE:
TO MEET COMMONWEALTH OF PENNSYLVANIA
REQUIREMENTS THERE MUST BE A SOLDERED
CONNECTION ATTACHING THE SHIELD TO THE
GROUND WIRES.
WIRE FOR THIS CONNECTION IS PROVIDED IN
THE COUPLER KIT.



1. Remove the end casting (6) from the end bell (7) and slide the end casting over the cable, followed by the hose clamp (4), the cable seal (5) and the end bell.
2. Remove 14" (36cm) of the cable jacket as shown in figure 2. Be careful not to cut into the underlying conductors. Fold the ground and ground check wires back and out of the way.
3. Remove the shield for 9-1/2" (24cm). Unwrap and remove the semi-con for 1/2" (1.3cm) less.
4. Remove 1-3/4" (19cm) of the insulation from the end of the phase conductors. Clean the surface of the insulation up to the edge of the semi-con with the solvent and cloth provided.
5. Insert the phase conductors into the phase contacts (141) and tighten the set screws using an allen wrench without additional leverage.
6. Insert the cable ground wires and ground strap (8) (provided in the coupler kit) into the ground contact (142) and tighten the set screws using an allen wrench without additional leverage, with the ground strap positioned so as to be at the bottom of the coupler.
7. Slide the heat shrink tube (38) back over the ground check conductor. Strip 1/2" (1.3cm) of insulation from the ground check conductor. Crimp the solderless terminal (50) onto the ground check conductor.
8. With the liner side of the tape toward the insulation, apply the first wrap of stress relief tape, over-lapping the factory applied cable shield by 1/2" (1.3cm). Then while stretching the tape 10-15 percent (that would take the original 3/4" (1.9cm) width to 11/16" (1.7cm) wrap toward the contact for a length of 3" (7.6cm). The last wrap should be perpendicular to the conductor. Reverse the slant of the taping and apply a second half-lapped layer back to the starting point. Cut off any excess tape.
9. Starting on the cable shield, wrap the insulating tape toward the phase contact using half-lapped wraps pulling the tape tightly. Tape to 1/2" (1.3cm) past the stress tape then reverse the slant and tape until it is used up. The last turn should be applied un-stretched and pressed tight to seal.

10. THERE ARE TWO TYPES OF CONTACT RETAINING RINGS PROVIDED. THE RING BAGGED SEPARATELY IS STAINLESS STEEL AND IS USED ON THE CONTACT END OF THE GROUND CONTACT.
11. Insert the plated steel retaining rings (90) onto the ground and phase contacts in the groove closest to the cable end of the contact. Insert the o-rings (29) into the adjacent wider groove.
12. Slide the insulator over the phase contacts and thread the contact nuts (54) onto the contacts. Insert the ground contact into the insulator plate and apply the stainless steel retaining ring (32).
13. Attach the ground check solderless terminal onto the ground check contact (42) and tighten the jam nuts (40). Slide the shrink tube over the ground check extension on the insulator plate. While shrinking it into place, with a heat gun or small flame, put slight downward pressure on the shrink tube to keep it seated on the insulator plate. The shrink tube contains a sealant to prevent moisture contamination of the joint.
14. Slide the end bell (7) forward far enough to attach the ground strap to the threaded hole inside the end bell using the plated brass screw (10) and lock washer (9) provided. Then while feeding in the slack ground strap so that it lies against the inner surface of the bell, seat the end bell against the insulator, aligning the roll pin with the slot in the insulator assembly, as shown in figure 1. Align the roll pin in the socket body with the same slot in the insulator and attach the socket body to the end bell using the 1-1/4" bolts (11) and lock washers (12) provided.
15. Slide the cable seal (5) into position so that the lip fits into slot on the end bell. Thread the end casting (6) onto the end bell and hand-tighten. Loosely attach the cable clamps (1). Turn the hose clamp (4) so that the screw is accessible in the window on the cable clamp, and tighten the hose clamp on the cable seal to form a tight seal on the cable. Tighten the clamp bolts (2) and nuts (3) on the cable clamps so that the cable is centered in the bell and properly clamped. THE CLAMPS DO NOT HAVE TO BE TIGHTENED ALL THE WAY TO THE END CASTING!

ITEM No.	QTY	PART No.	DESCRIPTION
X	1	409	WIRE WRAP
XX	1	180	3" GROUND CHECK INSULATOR SHRINK TUBE
XXX	1	101	1/4-20 X 5/8 HEX HEAD CAPSCREW
1	2	120-	CABLE CLAMP
2	4	167	3/8-16 X 3" HEX HEAD TAPP BOLT
3	4	168	3/8-16 HEX LOCKNUT
4	1	187	STAINLESS STEEL HOSE CLAMP
5	1	123	CABLE SEAL
6	1	112A	END CASTING
7	1	111C1	END BELL
8	1	191	GROUND STRAP WITH TERMINAL
9	5	190A	5/16 LOCKWASHER
10	1	190	5/16-18 X 5/8 GROUND SCREW-BRASS
11	7	183	1/4-20 X 1-1/4 HEX HEAD CAPSCREW
12	6	202	1/4" LOCKWASHER
29	4	228	CONTACT O-RING
32	1	173S	1-1/4" RETAINING RING - STAINLESS STEEL
34	1	519	GROUND CHECK O-RING
40	2	177	1/4-20 HEX BRASS JAM NUT
41	1	517	3/8" GROUND CHECK RETAINING RING
42	1	523/COMP	FEMALE GROUND CHECK ASSEMBLY
45	2	520	INSULATOR O-RING
50	1	179B	#8 SOLDERLESS TERMINAL
70	1	216B	STRESS RELIEF TAPE
71	1	216A	INSULATING TAPE
76	3	241	FEMALE PHASE CONTACT NUT
84	1	169	O-RING
90	4	173	1-1/4" RETAINING RING-PLATED STEEL
93	1	194	1/4-20 HEX STEEL LOCKNUT
95	1	171	2-1/2" COVER CABLE
106	4	185R	N/T PIN - ROLLER TYPE
110	1	109C	NO-THREAD SOCKET BODY
112	1	110AR/AL	SOCKET FEET-RIGHT AND LEFT
113	4	172	5/16-18 X 7/8 HEX HEAD CAPSCREW
125	1	215	NO-THREAD SOCKET DUST COVER
135	1	200-104BH	FEMALE INSULATOR ASSEMBLY-HARD RUBBER TUBES
140	1	185J	AUTOLOUGH PIN
141	3	101-6-9	FEMALE PHASE CONTACT - SET SCREW TYPE
142	1	143-9	FEMALE GROUND CONTACT - SET SCREW TYPE
148	8	314-	SET SCREW - SPECIFY SIZE
198	1	368-4	MODEL TAG