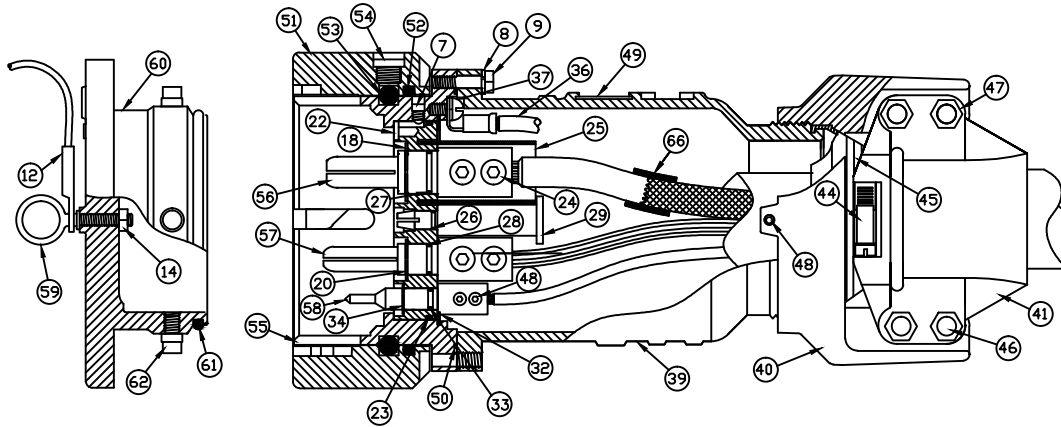


NOTE:
IN ORDER TO REMOVE THE DUST COVER, ROTATE THE PLUG NUT. THE COVER DOES NOT ROTATE.

TO INSTALL THE DUST COVER, ALIGN THE SLOTS IN THE PLUG NUT WITH THE SLOTS IN THE PLUG BODY. INSERT THE COVER INTO THE PLUG BODY AND ROTATE THE PLUG NUT WHILE MAINTAINING INWARD PRESSURE ON THE COVER.



THE INSULATOR IS SUPPLIED WITH 4 SLOTS FOR ALIGNMENT IN THE PLUG HOUSING. THE SLOTS IN THE 3, 6, AND 9 O-CLOCK POSITIONS ARE CAPPED AS SHOWN BELOW.

THE INSULATOR CAN BE ROTATED IN THE HOUSING TO PREVENT INTERCONNECTION BY RECONFIGURING THE CAPS AND EXPOSING THE DESIRED SLOT.

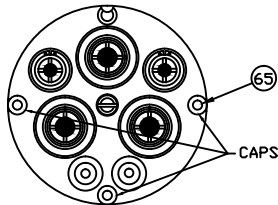
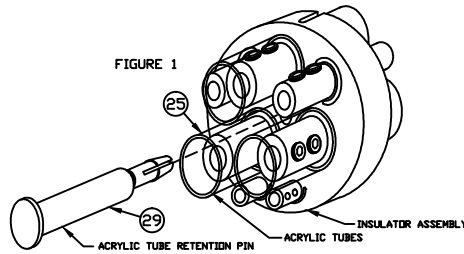
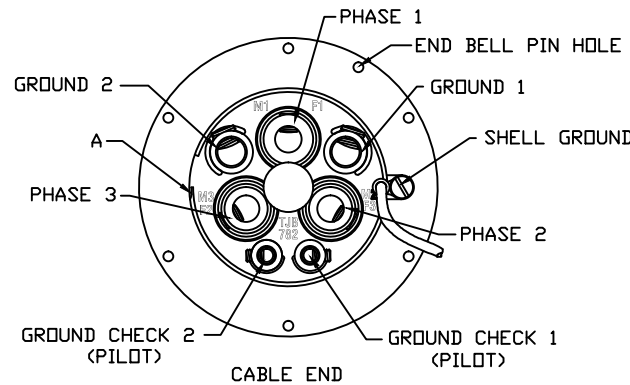


FIGURE 2



TO REMOVE THE RETENTION PIN FROM THE INSULATOR, PUSH ON THE RETENTION PIN FROM THE CONTACT END OF THE INSULATOR WITH A DOVEL OR OTHER BLUNT TOOL.

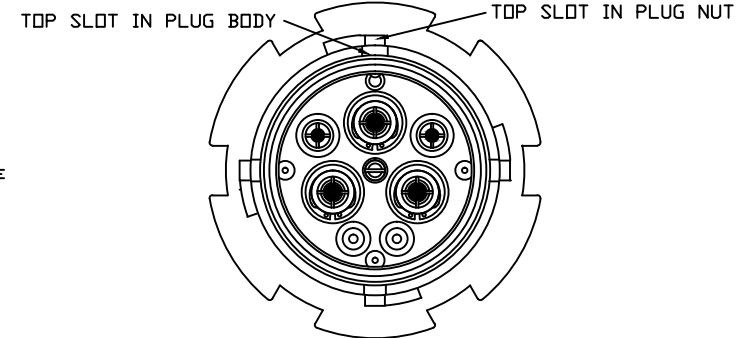


ITEM#	QTY.	PART#	DESCRIPTION
X	1	721	END BELL ROLL PIN (NOT SHOWN)
XX	1	342	COPPER SHIELDING TAPE
XXX	1	489	WIRE WRAP
7	1	789	INSULATOR LOCATING PIN
8	7	202	1/4" LOCK WASHER
9	6	185	1/4-20 X 1" HEX HEAD BOLT
12	1	171D	COVER CABLE
14	1	194	1/4" LOCK NUT
18	3	719	PHASE CONTACT RETAINING RING
20	2	989	GROUND CONTACT RETAINING RING
22	1	782	MLVNT INSULATOR
23	1	716	MLVNT INSULATOR O-RING
24	10	714	MLVNT CONTACT SET SCREW - SPECIFY SIZE
25	3	783	ACRYLIC CONTACT INSULATOR TUBE
26	1	519	TUBE RETENTION PIN O-RING
27	3	718	PHASE CONTACT O-RING
28	2	987	GROUND CONTACT O-RING
29	1	784	ACRYLIC TUBE RETENTION PIN
32	1	727P	INSULATOR RETAINING RING
33	2	715	GROUND CHECK O-RING
34	2	706	GROUND CHECK RETAINING RING
36	1	734	SHELL GROUND STRAP ASSEMBLY
37	1	316	1/4-20 X 1/2" BRASS SCREW
39	1	763	MLVNT END BELL
40	1	939	END CASTING
41	2	120	END CASTING - SPECIFY SIZE
44	1	187	HOSE CLAMP
45	1	123	CABLE SEAL
46	4	167	3/8-16 X 3 HEX HEAD TAP BOLT
47	4	168	3/8-16 LOCK NUT
48	5	315	1/4-20 SET SCREW
49	1	712	MODEL TAG
50	1	717	END BELL O-RING
51	1	764	PLUG NUT
52	1	713	PLUG NUT O-RING
53	1	184-42	NYLON BALL BEARING (SET OF 42)
54	1	186A	BALL ACCESS PLUG
55	1	760	PLUG BODY
56	3	772	MALE PHASE CONTACT
57	2	773	MALE GROUND CONTACT
58	2	774A	MALE GROUND CHECK CONTACT
59	1	708	1/4-20 EYE BOLT
60	1	779	PLUG DUST COVER
61	1	720	PLUG COVER O-RING
62	4	788	PLUG COVER PIN
65	3	701	INSULATOR SLOT PLUG
66	1	216A	INSULATING TAPE

ALL HARDWARE IS STAINLESS STEEL UNLESS OTHERWISE SPECIFIED

NOTE:
IN ORDER 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.

BEFORE CONNECTING THE PLUG TO THE SOCKET, ALIGN THE SLOTS IN THE PLUG NUT WITH THE SLOTS IN THE PLUG BODY.



THE TOP SLOT IN THE PLUG BODY IS WIDER THAN THE OTHER THREE SLOTS IN ORDER TO ACCEPT THE LARGER DIAMETER PIN SPACER ON THE TOP OF THE SOCKET.

ASSEMBLY INSTRUCTIONS

1) PREPARE THE CABLE AS FOLLOWS:

- REMOVE 6" [152mm] OF THE JACKET FROM THE CABLE, BEING CAREFUL TO AVOID CUTTING INTO THE UNDERLYING CONDUCTORS.
- REMOVE 1-1/2" [38mm] OF THE INSULATION FROM THE ENDS OF THE PHASE CONDUCTORS. COVER THE ENDS OF THE BRAID AND THE SEMI-CON WITH 2 LAYERS OF INSULATING TAPE.
- REMOVE 1-1/2" [38mm] OF THE INSULATION FROM THE END OF THE GROUND CONDUCTOR.
- REMOVE 7/8" [22mm] OF THE INSULATION FROM THE ENDS OF THE GROUND CHECK WIRES.

- 2) SLIDE THE END CASTING (40) (NON-THREADED END FIRST) OVER THE CABLE FOLLOWED BY THE HOSE CLAMP (44) AND CABLE SEAL (45)-(SMALL END FIRST). THESE PARTS ARE PROVIDED IN THE COUPLER KIT.
- 3) UNBOLT THE END BELL (39) FROM THE PLUG BODY (55) AND SLIDE THE END BELL (THREADED END FIRST) OVER THE CABLE.
- 4) UNSCREW THE GROUND STRAP ASSEMBLY (36) FROM THE PLUG BODY.
- 5) REMOVE THE INSULATOR RETAINING RING (32) BY PLACING A SCREWDRIVER IN NOTCHED END OF THE RING, (A) AS SHOWN IN CABLE END VIEW, AND LIFTING IT OUT OF THE SLOT. SLIDE THE RETAINING RING OVER THE CABLE.
- 6) REMOVE THE INSULATOR FROM THE HOUSING.
- 7) REMOVE THE THREE ACRYLIC INSULATOR TUBES (25) FROM THE INSULATOR AND SLIDE ONE OVER EACH PHASE CONDUCTOR.

NOTE: THE CONTACTS DO NOT HAVE TO BE REMOVED FROM THE INSULATOR TO INSTALL THE CONDUCTORS.

- 8) IN ORDER TO PREVENT THE STRANDS FROM FRAYING, FORM A CAP OVER THE ENDS OF THE CONDUCTOR STRANDING WITH THE COPPER TAPE PROVIDED IN THE KIT. FORM THE CAP BY ROLLING A PIECE OF THE COPPER TAPE AROUND THE STRANDING TO FORM A CYLINDER, LEAVING 1/8" [3mm] TO 3/16" [5mm] OF THE CYLINDER EXTENDING OUT OVER THE STRANDING. FOLD OVER THE END OF THE CYLINDER AND TAP IT DOWN TO FORM A THIMBLE LIKE CAP. INSERT THE PHASE CONDUCTORS INTO THE PHASE CONTACTS (56) AND TIGHTEN THE SET SCREWS (24) USING AN ALLEN WRENCH WITHOUT ADDITIONAL LEVERAGE.

NOTE: TWO GROUND CONTACTS HAVE BEEN PROVIDED IF REQUIRED.

- 9) BOTH GROUND CONTACTS HAVE BEEN ISOLATED FROM THE SHELL OF THE COUPLER. INSTALL THE GROUND LEADS AND SHELL GROUND (36) INTO THE GROUND CONTACTS AS DESIRED AND TIGHTEN THE SET SCREWS USING AN ALLEN WRENCH WITHOUT ADDITIONAL LEVERAGE.
- 10) INSERT THE GROUND CHECK LEADS INTO THE GROUND CHECKS (58) AS DESIRED AND TIGHTEN THE SET SCREWS (48).
- 11) INSERT THE THREE ACRYLIC INSULATING TUBES (25) INTO THE SLOTS AROUND THE PHASE CONTACTS IN THE INSULATOR PLATE. MAKE SURE THE TUBES ARE SEATED COMPLETELY IN THE GROOVES. INSERT THE ACRYLIC TUBE RETENTION PIN (29) INTO THE HOLE IN THE CENTER OF THE INSULATOR, AS SHOWN IN FIGURE 1.
- 12) APPLY SILICONE LUBRICANT (PROVIDED) TO THE O-RING ON THE INSULATOR PLATE. ALIGN THE DESIRED SLOT IN THE INSULATOR (SEE FIG. 2) WITH THE PIN INSIDE THE PLUG FLANGE AND INSTALL THE INSULATOR ASSEMBLY.
- 13) INSTALL THE INSULATOR RETAINING RING (32) AND MAKE SURE IT IS SEATED PROPERLY IN THE GROOVE.
- 14) ATTACH THE SHELL GROUND STRAP (36) TO THE PLUG BODY USING THE 1/4-20 PLATED BRASS SCREW (37) AND LOCK WASHER PROVIDED.
- 15) ALIGN THE ROLL PIN IN THE END BELL WITH THE SMALL HOLE IN THE PLUG BODY AND BOLT THE END BELL (39) TO THE PLUG BODY USING THE BOLTS (9) AND LOCK WASHERS (8) PROVIDED.
- 16) SEAT THE CABLE SEAL (45) IN THE SLOT ON THE END BELL.
- 17) MAKE SURE THE SET SCREW (48) ON THE END CASTING IS BACKED OFF AND WILL NOT INTERFERE WITH THE THREADS ON THE END BELL, AND SCREW THE END CASTING ONTO THE END BELL (HAND TIGHTEN ONLY). LOOSELY BOLT THE CABLE CLAMPS (41) ONTO THE END CASTING USING THE 3/8 BOLTS (46) AND LOCK NUTS (47) PROVIDED. POSITION THE HOSE CLAMP (44) SO THAT THE SCREW ON THE HOSE CLAMP IS ACCESSIBLE AND TIGHTEN THE HOSE CLAMP ONTO THE CABLE SEAL (45). TIGHTEN THE END CASTING SET SCREW (48).
- 18) TIGHTEN THE CABLE CLAMPS ONTO THE CABLE. THE CLAMPS DO NOT HAVE TO BE TIGHTENED ALL THE WAY TO THE END CASTING.