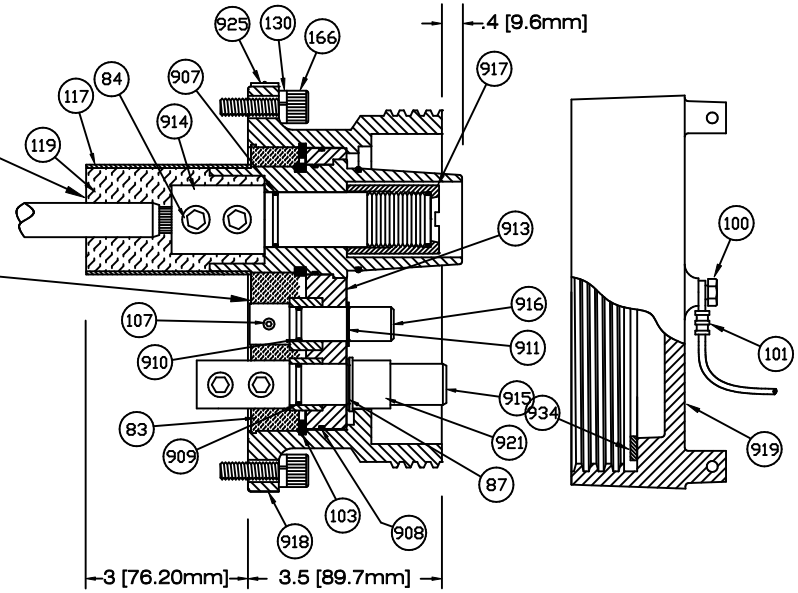
IMPORTANT:
CERTIFIED INSTALLATION REQUIRES A MINIMUM 2 INCHES OF TJB P/N 75-12 (3M P/N 2123) COMPOUND IN THE BACK OF THE INSULATOR TUBES

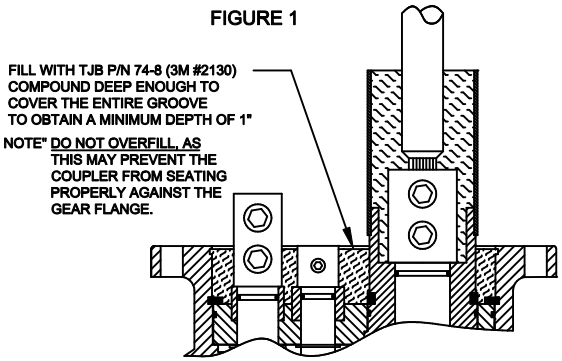
IMPORTANT:
CERTIFIED INSTALLATION REQUIRES A MINIMUM ONE (1) INCH OF TJB P/N 74-8 (3M P/N 2130) COMPOUND IN THE BACK OF THE SOCKET FLANGE



ITEM#	QTY.	PART NO.	DESCRIPTION
XX	1	342	COPPER SHIELDING TAPE (NOT SHOWN)
83	1	74-8	INSULATING COMPOUND (3M #2130)
84	10	314 -	SET SCREW - SPECIFY SIZE
87	2	329	GROUND CONTACT RETAINING RING
100	2	181	1/4-20 x 5/8 HHCS
101	1	171	COVER CABLE ASSEMBLY
103	1	327	INSULATOR RETAINING RING
107	1	315	1/4-20 x 3/8 SET SCREW
117	3	417	ACRYLIC INSULATING TUBE
119	1	75-12	INSULATING COMPOUND (3M #2123)
130	6	331A	HIGH COLLAR LOCK WASHER
166	6	424	3/8-16 x 1-1/4 SHCS
907	3	984	PHASE CONTACT O-RING
908	1	986	INSULATOR O-RING
909	2	987	GROUND CONTACT O-RING
910	1	988	GROUND CHECK CONTACT O-RING
911	1	989	GROUND CHECK CONTACT RETAINING RING
913	1	971F5-COMP	FEMALE INSULATOR ASSEMBLY - 5KV
914	3	975-COMP	FEMALE PHASE CONTACT ASSEMBLY
915	2	976A-COMP	FEMALE GROUND CONTACT ASSEMBLY
916	1	977A-COMP	FEMALE GROUND CHECK CONTACT ASSEMBLY
917	3	979-COMP	FEMALE PHASE CONTACT NUT ASSEMBLY
918	1	324-1T	XPT SOCKET FLANGE ASSEMBLY
919	1	431	SOCKET DUST COVER
921	1	993	FEMALE GROUND CONTACT ISOLATION BUSHING
925	1	368-A	MODEL TAG
934	1	385-1	PORON DUST COVER GASKET

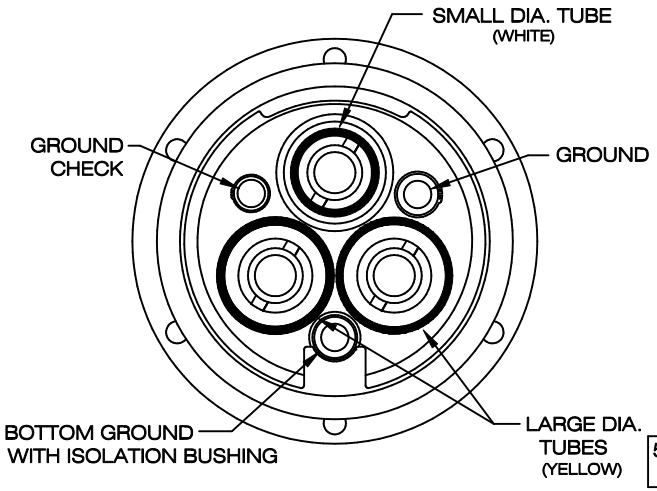
NOTE: ALL HARDWARE IS STAINLESS STEEL UNLESS OTHERWISE SPECIFIED

FIGURE 1

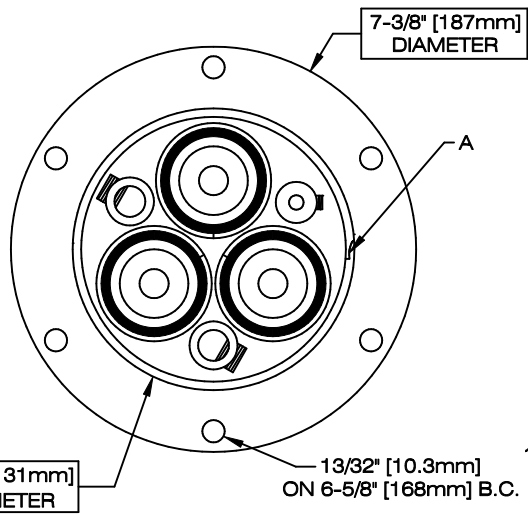


COMPOUND GEL TIME CHART
NOTE: GEL TIMES WILL INCREASE AS TEMPERATURE DECREASES
TJB NO. 74-8 (3M NO. 2130) TYP. MINIMUM GEL TIME 70° F (23° C) — 15 MINUTES
TJB NO. 75-12 (3M NO. 2123) TYP. MINIMUM GEL TIME 70° F (23° C) — 62 MINUTES

CONTACT END VIEW



CABLE END VIEW



ASSEMBLY INSTRUCTIONS

1) REMOVE THE INSULATOR ASSEMBLY (913) FROM THE SOCKET FLANGE (918) BY REMOVING THE INSULATOR RETAINING RING (103). THIS IS A SPIRAL TYPE RETAINING RING AND CAN BE REMOVED BY PLACING A SCREWDRIVER UNDER THE END OF THE SPIRAL (A) AND LIFTING THE RING. THEN LAY THE FRONT OF THE INSULATOR TUBES (CONTACT SIDE) ON A CLEAN FLAT SURFACE AND PRESS ON THE SOCKET FLANGE.

2) REMOVE THE INSULATION FROM THE ENDS OF THE CONDUCTORS AS FOLLOWS: PHASE AND GROUND CONTACTS 1-3/4" [45mm], GROUND CHECK CONTACT 3/4" [19mm]. 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. THIS CAN BE DONE 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 TIGHT TO FORM A THIMBLE LIKE CAP.

3) THE PHASE CONTACTS MUST BE REMOVED FOR CONDUCTOR INSTALLATION. THE PHASE CONTACTS (914) ARE REMOVED BY UNSCREWING THE CONTACT NUTS (917) USING A TJB PART NO.992 CONTACT NUT WRENCH (NOT PROVIDED). **DO NOT REMOVE THE TEFLON TUBES FROM THE INSULATOR PLATE.** THE GROUNDS AND THE GROUND CHECK CONTACTS DO NOT HAVE TO BE REMOVED. INSERT THE CONDUCTORS INTO THE PHASE CONTACTS AND TIGHTEN THE SET SCREWS USING AN ALLEN WRENCH WITHOUT ADDITIONAL LEVERAGE.

4) INSERT THE GROUND CHECK LEAD INTO THE GROUND CHECK (916) AND TIGHTEN THE SET SCREW.

5) BOTH GROUND CONTACTS (915) HAVE BEEN ISOLATED FROM THE SHELL OF THE COUPLER. INSTALL THE GROUND WIRES AS DESIRED AND TIGHTEN THE SET SCREWS. MAKE CERTAIN THAT THE GROUND ISOLATION BUSHING (921) HAS BEEN INSTALLED ON THE FRONT OF THE BOTTOM GROUND CONTACT THAT WILL BE SEATED IN THE POCKET ON THE SOCKET FLANGE.

6) APPLY A SMALL AMOUNT OF SILICONE GREASE (PROVIDED) TO THE O-RING TO EASE INSERTION OF THE INSULATOR INTO THE SOCKET FLANGE. INSTALL THE INSULATOR AND REPLACE THE INSULATOR RETAINING RING.
MAKE CERTAIN THAT THE RETAINING RING IS COMPLETELY SEATED IN THE GROOVE.

7) POSITION THE COUPLER SO THAT THE ACRYLIC TUBES (117) ARE VERTICAL AND CENTER THE CONDUCTORS IN THE TUBES BEFORE COMPOUNDING.

8) MIX THE 75-12 (3M #2123) COMPOUND (119) (AS PER COMPOUND INSTRUCTIONS) AND FILL THE ACRYLIC TUBES TO A MINIMUM DEPTH OF 2" EACH.

9) MIX THE 74-8 (3M #2130) COMPOUND (AS PER COMPOUND INSTRUCTIONS) AND FILL THE BACK OF THE SOCKET FLANGE AS SHOWN IN FIGURE 1.

10) AFTER BOTH COMPOUNDS HAVE SET (SEE COMPOUND GEL TEMP. CHART), MOUNT THE SOCKET FLANGE USING THE 3/8-16 X 1-14" BOLTS (166) AND HIGH COLLAR LOCK WASHERS (130) PROVIDED.