



ITEM#	QTY.	PART NO.	DESCRIPTION
XX	1	342	COPPER SHIELDING TAPE
84	10	314 -	BRONZE 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
106	4	185R-COMP	ROLLER PIN AND SLEEVE
107	1	315	1/4-20 x 3/8 SET SCREW
117	3	417	ACRYLIC TUBE
120	3	428	HEAT SHRINK TUBE
130	6	940	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	971F3-COMP	FEMALE INSULATOR ASSEMBLY - 3KV
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	965B-COMP	LVNT SOCKET FLANGE ASSEMBLY - 3KV
919	1	980S4-COMP	LVNT SOCKET COVER ASSEMBLY - 1KV-3KV
921	1	993	FEMALE GROUND CONTACT ISOLATION BUSHING
927	1	962	LVNT SOCKET FLANGE ADAPTOR PLATE
934	1	980S.1	LVNT SOCKET COVER WAVE SPRING
935	1	194	1/4-20 LOCK NUT

NOTE: ALL HARDWARE IS STAINLESS STEEL UNLESS OTHERWISE SPECIFIED

### ASSEMBLY INSTRUCTIONS

- 1) REMOVE 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.
- 2) REMOVE THE INSULATOR (913) FROM THE SOCKET FLANGE (918) BY LAYING THE FRONT OF THE INSULATOR TUBES (CONTACT SIDE) ON A CLEAN FLAT SURFACE AND PRESSING ON THE SOCKET FLANGE.
- 3) REMOVE THE INSULATION FROM THE ENDS OF THE CONDUCTORS AS FOLLOWS: PHASE AND GROUND 1-7/8" [41mm], GROUND CHECK 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. FORM THE CAP BY ROLLING A PIECE OF THE COPPER TAPE AROUND THE STRANDING TO SHAPE 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.
- 4) SLIDE THE INSULATOR RETAINING RING (103) AND THE SHRINK TUBE (120) OVER THE PHASE CONDUCTORS BEFORE INSTALLING THE CONTACTS.
- 5) THE 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 INSULATOR TUBES FROM THE INSULATOR PLATE.** REMOVE THE GROUND CONTACT (915) AND THE GROUND CHECK CONTACT(916) BY REMOVING THE RETAINING RINGS, (87) FOR THE GROUND CONTACT AND (911) FOR THE GROUND RINGS, (87) FOR THE GROUND AND (911) FOR THE GROUND CHECK. WITH TJB PART NO. 22R PLIERS. BE CAREFUL TO AVOID OVER BENDING THE RETAINING RINGS. INSERT THE CONDUCTORS INTO THE PHASE CONTACTS AND TIGHTEN THE SET SCREWS USING AN ALLEN WRENCH WITHOUT ADDITIONAL LEVERAGE.
- 6) INSERT THE GROUND CHECK LEAD INTO THE GROUND CHECK (905) AND TIGHTEN THE SET SCREW.
- 7) BOTH GROUND CONTACTS (915) HAVE BEEN ISOLATED FROM THE SHELL OF THE COUPLER. INSTALL THE GROUND WIRES AS DESIRED AND TIGHTEN THE SET SCREWS.
- 8) SLIDE THE SHRINK TUBE ALL THE WAY OVER THE PHASE CONTACTS AND AGAINST THE INSULATOR TUBE. APPLY HEAT AT THE INSULATOR TUBE END WORKING BACK TOWARD THE CONDUCTOR.
- 9) APPLY A SMALL AMOUNT OF SILICONE GREASE (PROVIDED) TO THE INSULATOR O-RING (908) TO EASE INSERTION OF THE INSULATOR INTO THE END BELL. MAKE CERTAIN THE GROUND ISOLATION BUSHING (921) IS ON THE GROUND CONTACT IN THE 6 O-CLOCK POSITION AND INSTALL THE INSULATOR. INSTALL THE INSULATOR RETAINING RING.  
**MAKE CERTAIN THAT THE RETAINING RING IS COMPLETELY SEATED IN THE GROOVE.**
- 10) MOUNT THE SOCKET FLANGE TO THE ADAPTOR PLATE USING THE 3/8-16 x 1-1/4 SHCS (166) AND THE LOCK WASHERS (130) PROVIDED.

