

Operating and Installation Instructions

Sacrificial Cap - M/K650SL / CS1887

Ground Rod – K650SLGB

CONTENTS for M650SL, K650SL, M650SL-CS1887 and M650SL-CS1887: Sacrificial Cap, Lubricant and Instruction Sheet.

CONTENTS for K650SLGB: Ground Rod, Hex Wrench and Instruction Sheet.

DANGER

All apparatus must be de-energized during installation or removal of part(s).

Do not touch or move energized products in the work area.

These instructions do not attempt to provide for every possible contingency.

Failure to follow these instructions will result in damage to the product and serious or fatal injury.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices.

FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ABB INSTALLATION PRODUCTS INC. OFFICE.

All apparatus must be installed and operated in accordance with individual user, local and national work rules and electrical standards.

If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

Inspect parts for damage, rating and compatibility with mating parts.

Excess distortion of the assembled product may result in its failure.

Limited Warranty:

1. ABB Installation Products Inc. warrants that its products will be free from defects in materials or workmanship for a period of two (2) years, except for tools which are warranted separately (see warranty accompanying those products). Fisher Pierce® products and Elastimold™ Reclosers are warranted for three years; and Joslyn™ VBT and VBU capacitor switches are warranted for four years or 40,000 operations whichever occurs first. Upon prompt notification of a warranted defect, ABB Installation Products Inc. will, at its option, repair, replace or refund the defective product.
2. In no event shall ABB Installation Products Inc. be liable for any consequential, indirect, incidental or special damages, whether under contract, warranty, tort, negligence, strict liability or otherwise. ABB Installation Products Inc. will not be liable for providing temporary power, removal, working access, installation, transportation to or from any repair facility, or reimbursement for labor costs, or for any other expenses arising out of the removal or reinstallation of its products. Liability for breach of warranty is limited to the cost of repair, replacement or refund of the warranted product only.
3. Misuse, misapplication or modification of ABB Installation Products Inc. products immediately voids all warranties.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED.

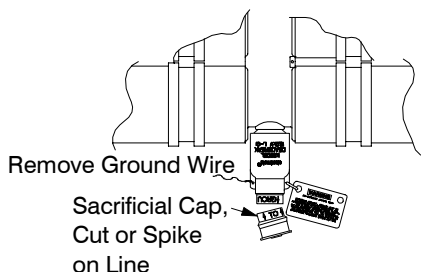
IMPORTANT

1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.

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STEP 1

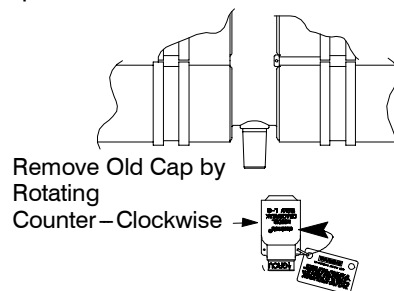
Install the cutting or spiking tool on the sacrificial cap so it will cut or spike the cap on the line. Cut or spike the sacrificial cap to confirm the circuit is de-energized.



STEP 2

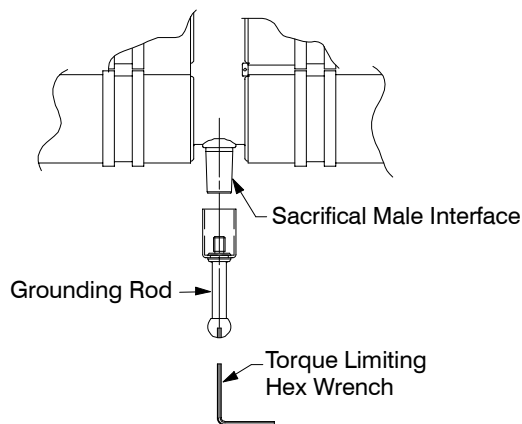
Remove the cut or spiked cap by removing the ground wire and rotating the cap counterclockwise. Discard old cap.

If installing a K650SLGB grounding rod continue to Step 3; if not, go to Step 5.



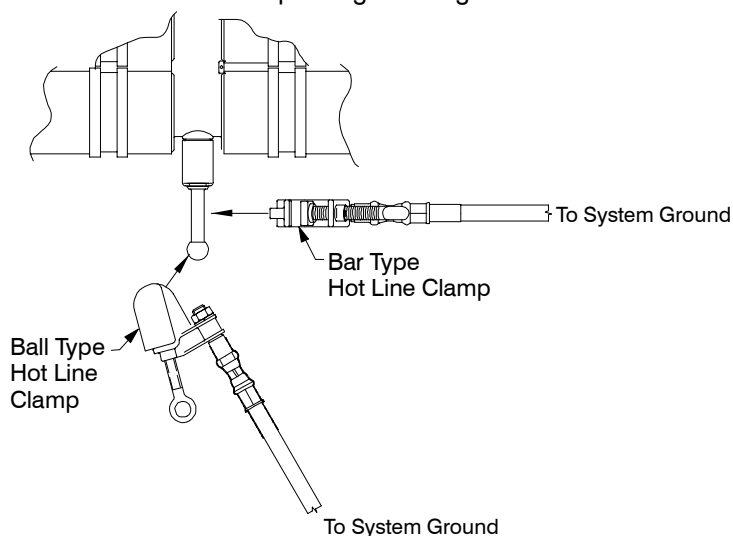
STEP 3

Install K650SLGB grounding rod and tighten with wrench supplied until the wrench twists (75/110 in/lbs torque).



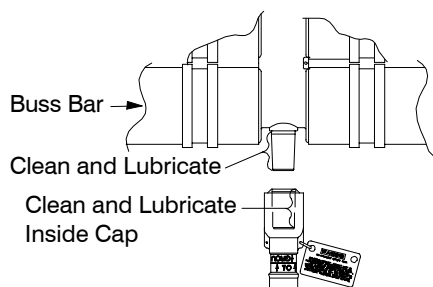
STEP 4

Attach either a bar or ball type hot line clamp with 4/0 grounding cable to the grounding rod, taking care not to loosen the bar when tightening. Attach the opposite end to the system ground. When repairs have been completed remove hot line clamp and grounding rod.



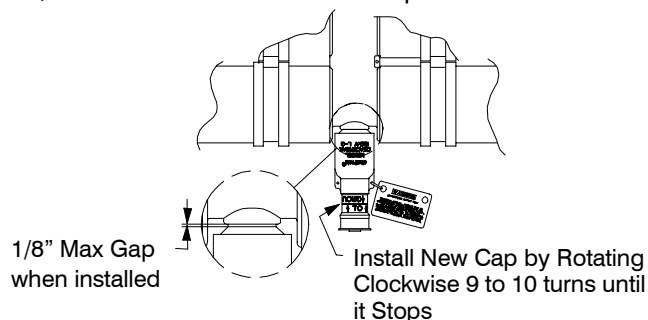
STEP 5

Inspect the sacrificial male interface for any distortion as a result of high fault current. If the interface is distorted, the Buss Bar must be replaced. Clean male interface. Lubricate both the interface and inside the new cap with lubricant supplied.



STEP 6

Install the new sacrificial cap by rotating clockwise 9 to 10 turns until it stops turning. Additional torque is not required. The gap between the cap and the shoulder of the splice must be 1/8" or less around the entire cap.



STEP 7

Attach a 14 AWG gage wire thru the grounding eye and tighten by twisting. Attach directly to system ground.

