

## Installation Instructions: Replacement Flux Shifter

### 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.

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.

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FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD® OFFICE.

#### Limited Warranty:

1. T&B 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, T&B will, at its option, repair or replace the defective product.
2. In no event shall T&B be liable for any consequential, indirect or special damages, nor will T&B be liable for transportation, labor, or other charges arising out of the removal or reinstallation of its products. Liability for breach of warranty is limited to the cost of repair or replacement of the warranted product only.
3. Misuse, misapplication or modification of T&B 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.

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### 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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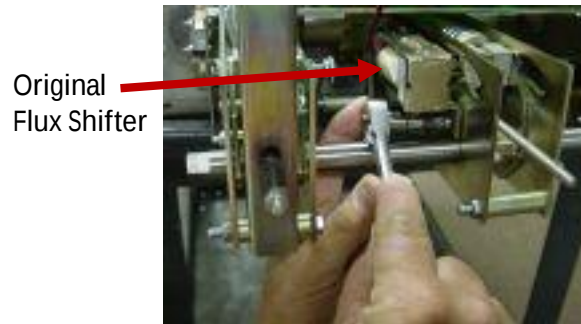
**Thomas & Betts**

A Member of the ABB Group

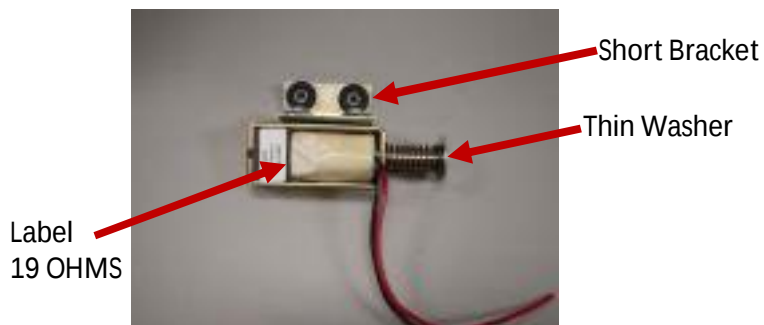
8155 T&B Boulevard, Memphis, Tennessee 38125  
(800) 888-0211 Fax: (800) 888-0690

Instruction: Removal of original Flux Shifter and installation of Replacement Flux Shifter.

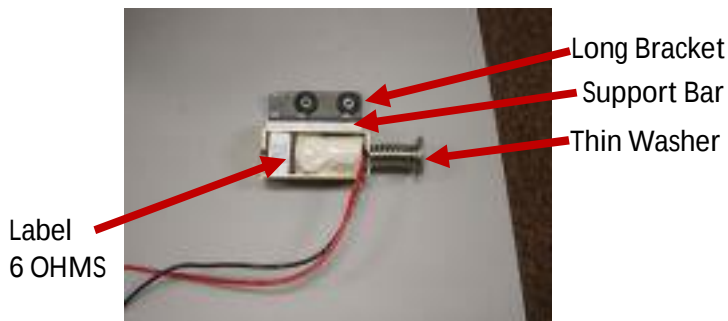
- 1) Remove the handle and cover from the mechanism. Retain hex head screws and stop nuts for reassembly in Step 11.
- 2) Using a 1/4" ratchet wrench with a Phillips bit or 1/4" socket, remove the screws and washers from the original flux shifter.



- 3) Depending on the vintage of MVI3, the original flux shifter may have a thin washer and a short mounting bracket. (Ref: Label reads 19 OHMS.)



- 4) Remove the replacement flux shifter from package. Apply Loctite to the #8-32 x .375Lg hex head screws supplied.



- 5) Attach the replacement flux shifter to side frame with hex head screws and washers supplied.



- 6) Tighten both screws. Reset flux shifter by compressing shaft with spring to a latched position. Activate the flux shifter using a 9 volt battery (not supplied).



- 7) Reconnect terminal plug to the PC board running cable under bar as shown.



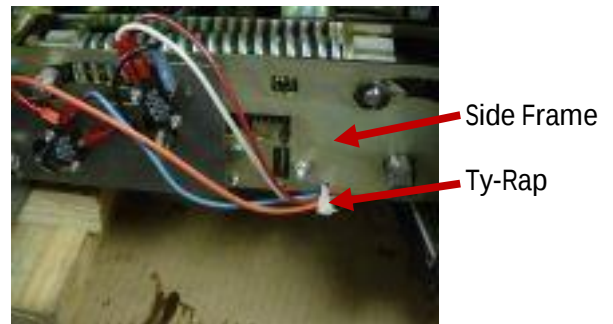
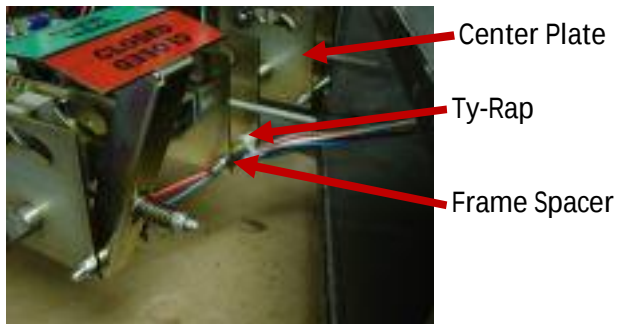
Terminal



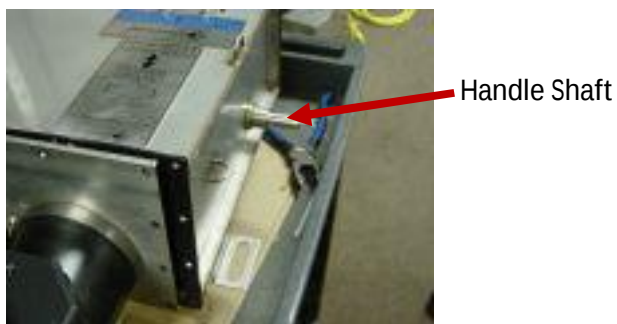
- 8) Reconnect flux shifter wires with straight connections (not supplied). Reconnect limit switch wires as shown in diagram on page 5.



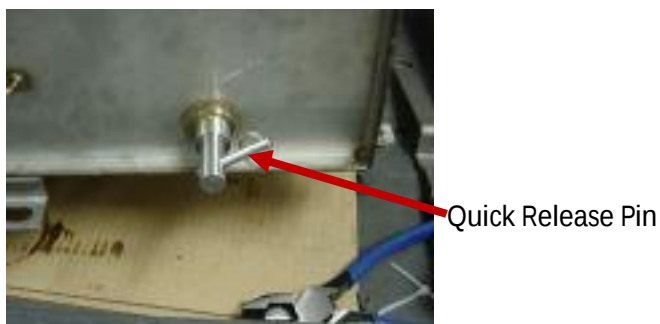
- 9) Ty-rap receptacle wires to center phase frame spacer. Ty-rap limit switch wires to side frame as shown.



- 10) Slide the cover over the handle shaft. Align cover to plate.

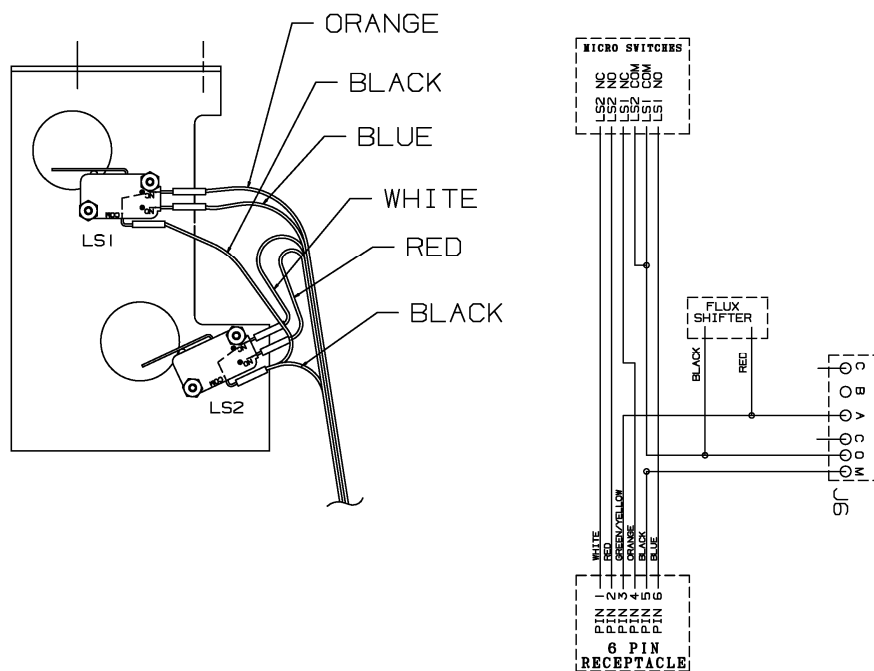


- 11) Align handle shaft as shown by turning quick release pin. Assemble cover to plate using previously removed hex head screws and stop nuts. Torque to 50-75 in-lbs.



- 12) Assemble handle as shown.





Schematic of Connections from the 6 Pin receptacles

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