



GEH3416I INSTALLATION INSTRUCTIONS

Shunt Trip Device

CAUTION: Before inspecting or beginning any maintenance work on the breaker, it must be dis-connected from all voltage sources, both power and control, and breaker must be off (open).

NOTE: Any work requiring cover removal of a sealed breaker voids UL Listing. The UL label must be de-destroyed.

DESCRIPTION

The device shown in Figure 1 is used for remote opening of the circuit breaker. The integral switch operated by the breaker contact arm opens the coil circuit when the breaker is open or tripped.

The standard device is supplied as shown in Figure 1, and leads must be positioned as shown in Figures 2, 3, 4, or 5 to prepare the device for mounting as desired.

These devices are suitable for use with ground fault equipment.

Pass lead A under lead B and insert into end of sleeve nearest slit. (See Figure 2.) Bring lead C around coil as shown in Figure 3, and insert into slit in sleeve, as shown in Figure 2. Position leads to match notch in breaker cover.

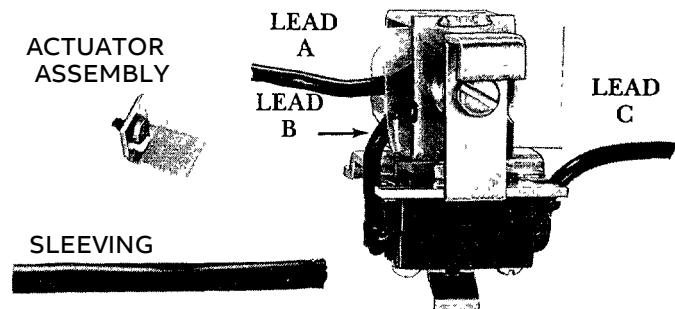


Figure 1.

FOR LEFT POLE MOUNTING
LEADS OUT THE SIDE

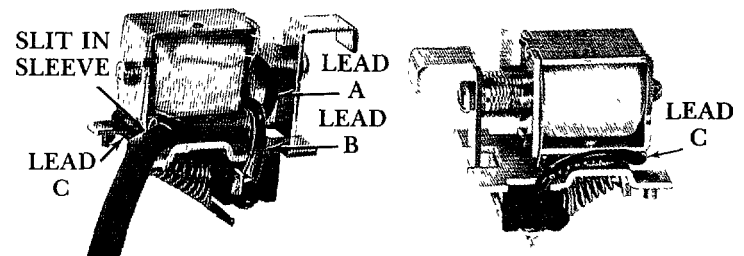


Figure 2.

Figure 3.

Pass lead A under lead B as shown in Figure 4 and around coil. Insert lead A into slit in sleeve as shown in Figure 5. Insert lead C into end of sleeve nearest slit. Position leads to match notch in breaker cover.

FOR RIGHT POLE MOUNTING
LEADS OUT THE SIDE

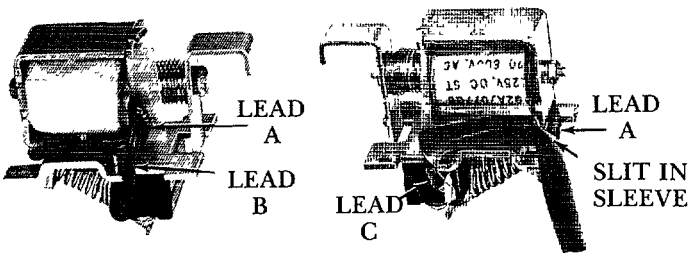


Figure 4.

Figure 5.

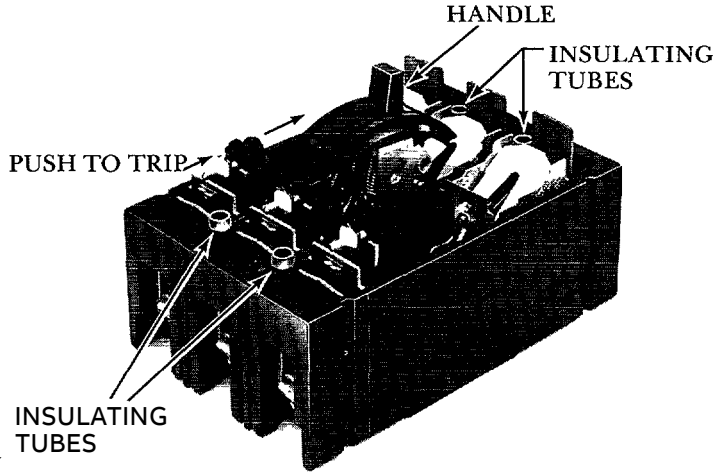


Figure 6.

MODIFYING COVER

Perform cover modification as shown in Figure 7. Re-move all debris.

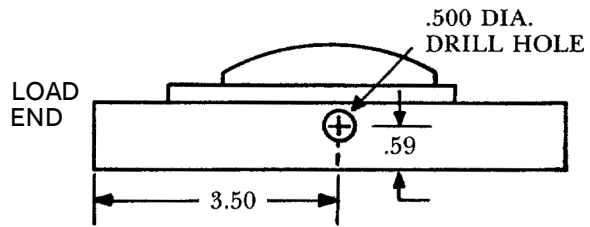


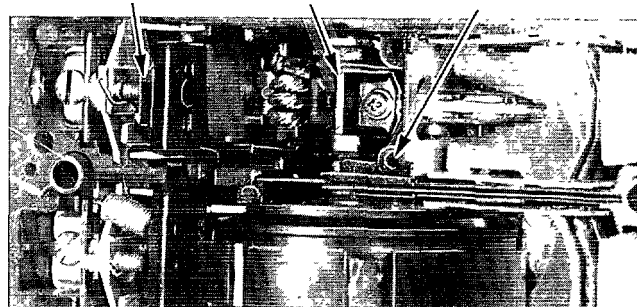
Figure 7. Side view of breaker cover

INSTALLING ACTUATOR

Close circuit breaker and install actuator assembly in de-sired pole as shown in Figure 8.

Trip breaker by pushing trip bar as shown in Figure 8.

TRIP BAR ACTUATOR ASSEMBLY HOLE FOR POSITIONING PIN



LOAD

LINE

CAT.NO.	VOLTAGE RATING	MAX.INRUSH CURRENT
TEDST 12	120VAC	1.0A
TEDST 12	240VAC	1.9A
TEDST 13®	480VAC	1.5A
TEDST 13	600VAC	1.9A
TEDST 7<D	12VDC	7.5A
TEDST S<D	24VDC	4.6A
TEDST 9<D	48VDC	2.4A
TEDST 12<D	125VDC	1.0A
TEDST II<D	250VDC	0.4A

<DWill operate at 75% of rated voltage. ®Will operate at 55% of rated voltage.

INSTALLATION

Open breaker contacts by moving handle to the breaker "OFF" position. Remove breaker cover by removing four cover mounting screws on the TED, eight for the THLCI and TLBI (one is sealed with tar.) Remove and save screws, insulating tubes and plastic handle as shown in Figure 6. (The type THLC7 and TLB7 circuit breakers do not have insulating tubes.)