



INSTALLATION INSTRUCTIONS

**BLOWN FUSE TRIP**

FOR TYPES THKS, THKSS, TKR\*, THKR\*  
\*WITH GROUND FAULT

**NOTE:** U/L listing is voided when the circuit breaker is modified to add an accessory. The U/L label must be destroyed.

**BLOWN FUSE TRIP — GENERAL**

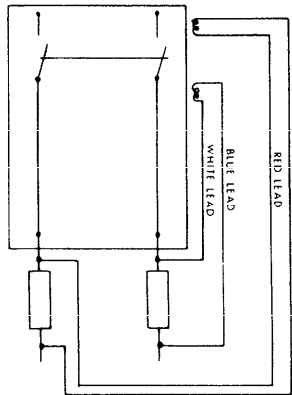
Formerly referred to as a 3-coil shunt trip. Provides single-phasing protection for fuse and circuit breaker combinations.

**ELECTRICAL DATA**

CAT. NO. TKSbfd316  
208V TO 600V AC 50/60 HZ

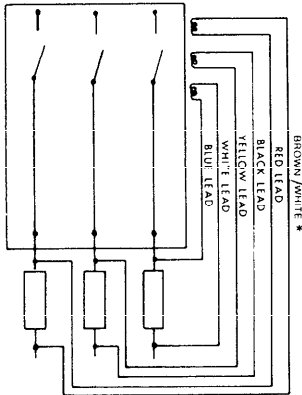
WIRING DIAGRAMS

2-POLE SINGLE-PHASE APPLICATION



CIRCUIT BREAKER LOAD END

3-POLE THREE-PHASE APPLICATION



CIRCUIT BREAKER LOAD END

\*FORMERLY GREEN

Leads must be connected exactly as shown. Shunt Trip Device may not operate correctly if phase sequence is changed.

**INSTALLATION**

**WARNING:** The Circuit Breaker must be completely de-energized and disconnected from the circuit when accessories are installed.

1. Place the breaker in a tripped position (handle at midpoint) by depressing trip button.
2. Remove (4) breaker cover mounting screws (2 screws accessible under lug cover). Lift breaker cover off as shown in (Figure 2). Remove shutter.
3. Note position of locator pin, notches and cross bar. (Figure 3)

(Continued on Reverse Side)

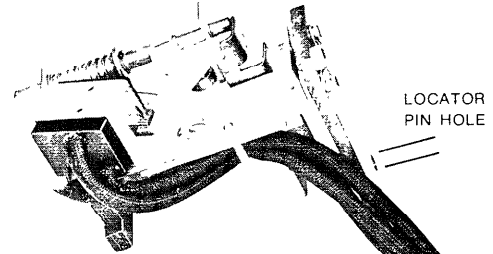


Figure 1

BLOWN FUSE TRIP  
208 V TO 600 Vac 50/60 HZ.  
REFER TO INSTRUCTION SHEET FOR COIL CONNECTIONS  
WHEN DIELECTRIC TESTING BE SURE ALL LEADS ARE CONNECTED TOGETHER. DO NOT APPLY HIGH VOLTAGE BETWEEN LEADS.  
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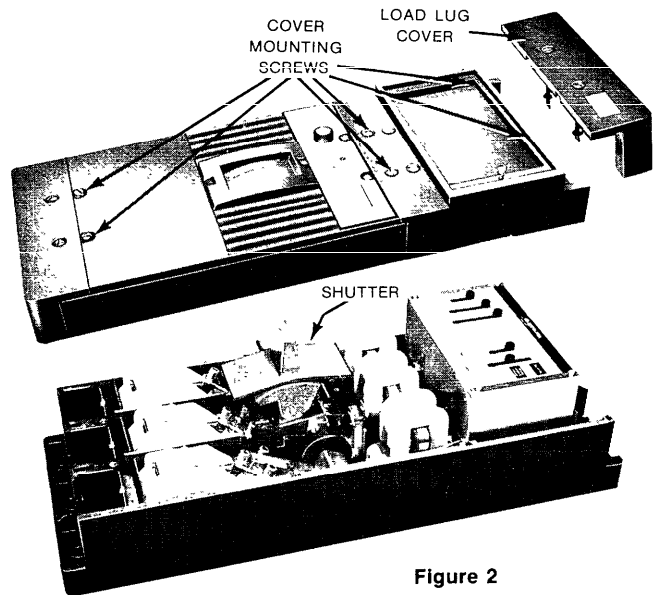


Figure 2

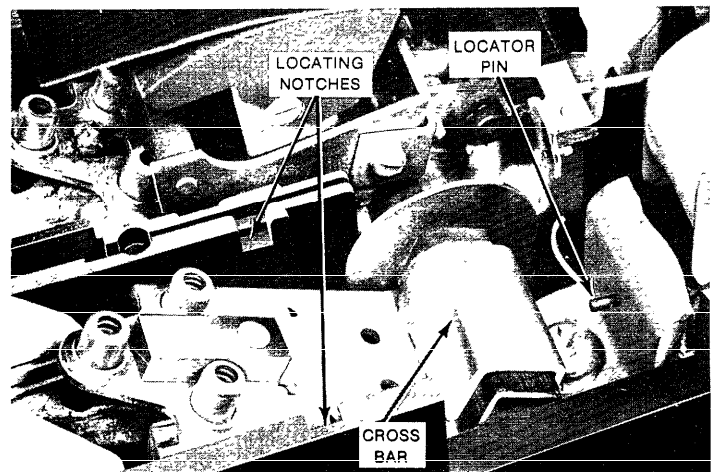


Figure 3

4. Install accessory as shown using locating notches for positioning. Insure that actuator levers are behind cross bar and locator pin engages hole. (Figure 4)

5. Adjust screw to dimension shown with circuit breaker in the "ON" position. (Flux shifter in opposite pole must be held in place to prevent nuisance tripping). (Figure 5)

6. Mechanical Check Out

- a. Relatch and turn on breaker holding flux sifter in place.
- b. Being careful to keep hands and fingers clear of circuit breaker contact arms, pull solenoid plunger (Figure 5). Breaker should trip. If not, retrace step 5.

7. Slot cover for lead exit as shown and affix identification labels as shown. (Figure 6)

8. Replace shutter and breaker cover, taking care that strain relief ties are placed one on each side of cover slots.

9. Electrical check

CAUTION: Keep the breaker electrically disconnected during check-out.

Reset and turn ON.

- a. When 208 VAC is placed across BLUE and WHITE leads for a period not to exceed 1 sec., breaker must trip.
- b. Reset and turn ON. Repeat Step 9a with YELLOW and BLACK leads. Breaker must trip.
- c. Reset and turn ON. Repeat Step 9a with RED and BROWN/WHITE leads. Breaker must trip.

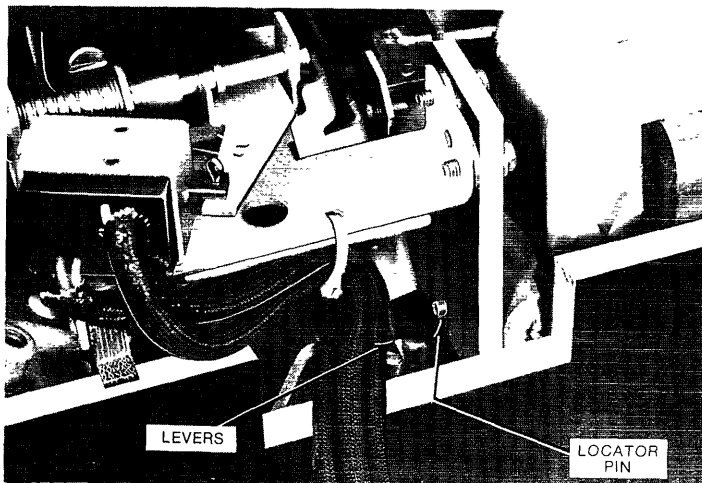


Figure 4

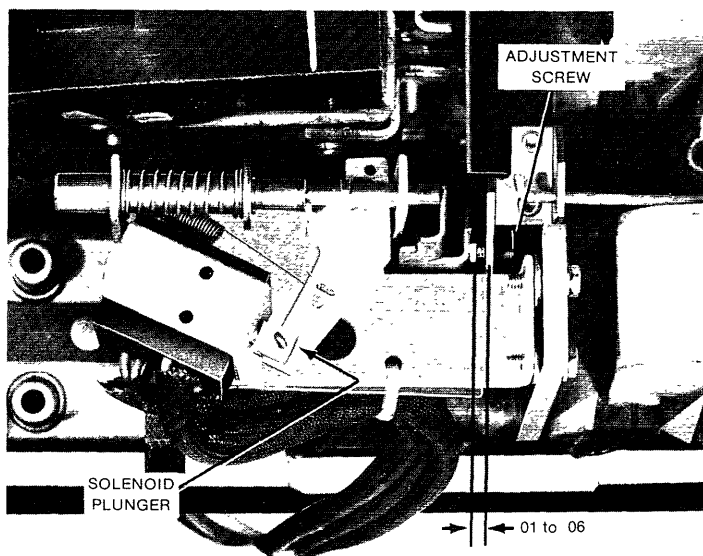


Figure 5

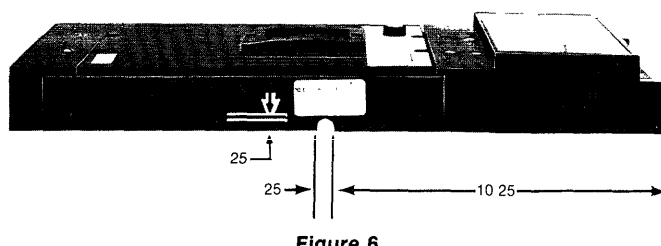


Figure 6

*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.*