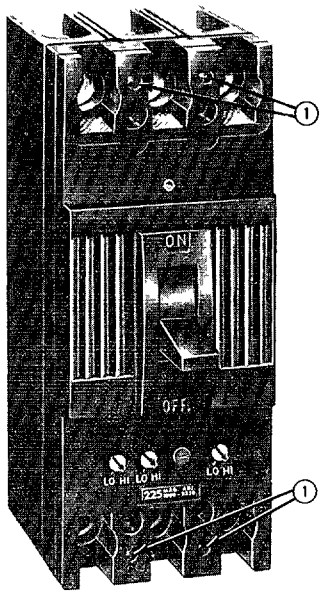
Trip Unit For Type TFK, THFK Circuit Breakers



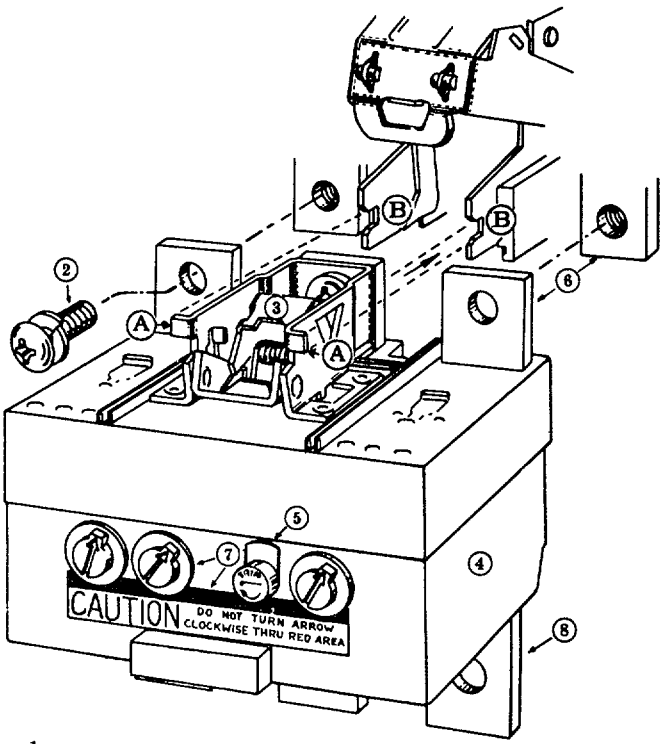


Figure 1.

DESCRIPTION

The F 225 line circuit breaker is designed to open an electrical circuit under normal or abnormal conditions without injury to itself.

A trip unit kit consists of a rated trip mechanism; (1) ⅝-inch ¼-20 Phillips head screw and lock washer for the center pole and (2) ⅝-inch ¼-20 Phillips head screws and lock washers for the outer poles.

INSTRUCTIONS

Installation of a Trip Unit in a Two-or Three-pole Frame. See figure 1.

1. Remove each of four breaker frame cover screws and remove frame cover.
2. Insert a Phillips haed screw with lock washer into each line-conductor hole of trip unit. For two-pole trip units; a screw, lock washer, and ¼" thick spacer have been factory-inserted in the center line-conductor.
3. Set the trip unit; push the trigger down toward the center line-conductor. Trip unit is set when a "click" is heard.
4. Place the trip unit in the breaker frame, engaging guide hooks A with slots B.
5. Trip the trip unit by twisting the Twist-to-Trip button clockwise.
6. Align the line-conductor screws with the holes provided in the breaker frame interior. Tighten each line-conductor screw to 75 in.-lbs. minimum.
7. Turn each magnetic adjusting knob to the approximate position shown in figure 1. Do not turn arrow clockwise through the red area. Failure to perform this step may result in damage to the built-in magnetic adjusting knob stops found in the circuit breaker cover during cover replacement.
8. Fasten the load lugs. See lug information on reverse side of this page.
9. Replace and secure breaker frame cover.
10. Reset breaker by pushing breaker handle to the extreme **OFF** position. Then move handle to **ON** position.

Removal of a Trip Unit from a Two-or Three-pole Frame. See figure 1.

Push circuit breaker handle to OFF position. Be sure circuit breaker is de-energized.

1. Remove each of four breaker frame cover screws ① and remove frame cover.
2. Trip breaker; push button ⑤ while holding the breaker handle at **OFF**, then letting up slowly.
3. Unfasten trip unit's line and load connections.
4. Lift trip unit out of breaker frame, disengaging hooks A from slots B.

Installation of Front Connected Lugs. See figure 2.

1. Remove each of four breaker frame cover screws. See ① on figure 1, reverse side of this page.
2. Remove the breaker cover.
3. Insert furnished pan head screw in lug.
4. Place lug and inserted screw in breaker frame. Secure the pan head screw to 90 in.-lbs. minimum.
5. Feed in #6-300 MCM copper or aluminum cable.
6. Secure cable connection to lug with 7/16" hex socket screw (furnished).
7. Replace breaker frame cover.

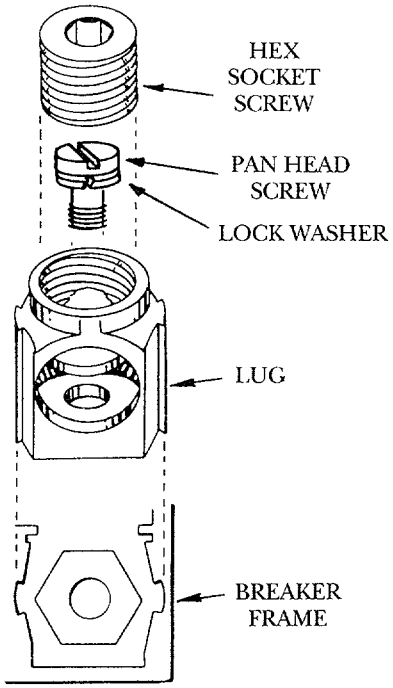


Figure 2.

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 GE Company.

GE Electrical Distribution & Control

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