



Installation Instructions

TRIP UNITS — FRONT CONNECTED LUGS

Type TJK, 2- and 3-pole

Type THJK, 2- and 3-pole

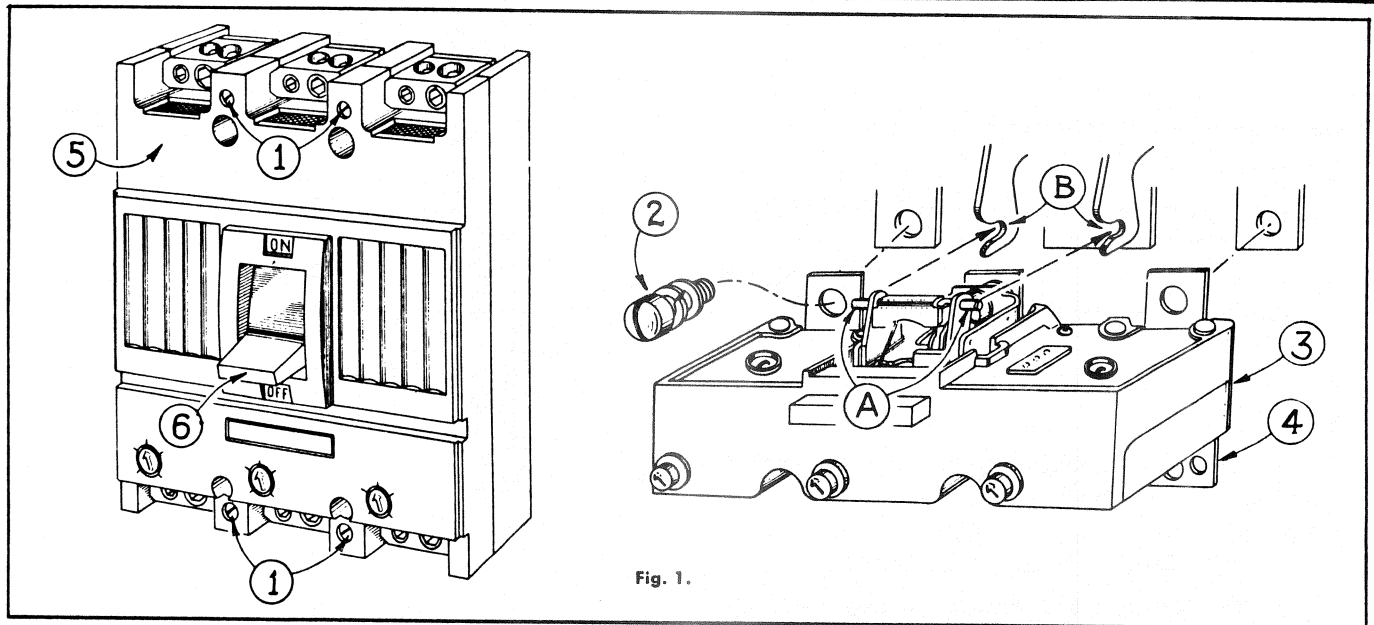


Fig. 1.

DESCRIPTION

The J 600 circuit breaker is designed to open an electrical circuit under normal or abnormal conditions without injury to itself when applied within its interrupting capabilities.

The trip unit kit consists of the rated trip mechanism. Mounting hardware for the line end of the trip unit is included with the breaker frame.

The non-automatic unit is similar to the rated mechanism in appearance.

Trip units with Catalog Numbers TJK636T, 250 through 600 amperes, are to be used in frames TJK626F000 and TJK636F000 only.

Trip units with Catalog Numbers TJK436T, 125 through 400 amperes, are to be used in frames TJK426F000 and TJK436F000 only.

INSTRUCTIONS

Automatic Trip and Non-automatic Units Installation of a Trip Unit in a Two- or Three-pole Frame

See Fig. 1.

- ① Remove each of four breaker frame cover screws and remove frame cover.
- ② Insert a # $\frac{3}{8}$ -16 slotted screw with lock washer and plain washer (furnished with breaker frame) into the left and right line-conductor holes of the trip unit. Mounting hardware for the center line-conductor is factory-assembled.
- ③ Place the trip unit in the breaker frame, engaging guide pins A with slots B. Start each line-conductor screw. Flex the trip unit

as necessary to align the load lug terminal holes. (This can be done by inserting a screwdriver into the holes and gently forcing alignment.) Tighten the center screw, then tighten the other two line-conductor screws.

- ④ Fasten the load lugs. See lug information on reverse side of this page.
- ⑤ Replace and secure the breaker frame cover.
- ⑥ Set the circuit breaker by pushing the breaker handle to the extreme OFF position. Then move the handle to the ON position.

Note: Non-automatic trip unit kits contain an aluminum label which must be attached to the front of the breaker covering the spaces for the magnetic adjustment knobs.

Removal of a Trip Unit from a Two- or Three-pole Frame

See Fig. 1.

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

1. Remove each of four breaker frame cover screws ① and remove cover ⑤.
2. **IMPORTANT SAFETY PRECAUTION:** The circuit breaker must be in the "TRIPPED POSITION" (breaker handle mechanism mid-point between "OFF" and "ON") before removing the trip unit. The bottom (load end) of the trip unit has a small hole marked "Trip Here". Insert a .060 diameter or smaller pin (paper clip) into this hole and push to trip the circuit breaker.

3. Unfasten trip unit's line and load connections.
4. Lift trip unit out of breaker frame, dis-engaging pins A from slots B.

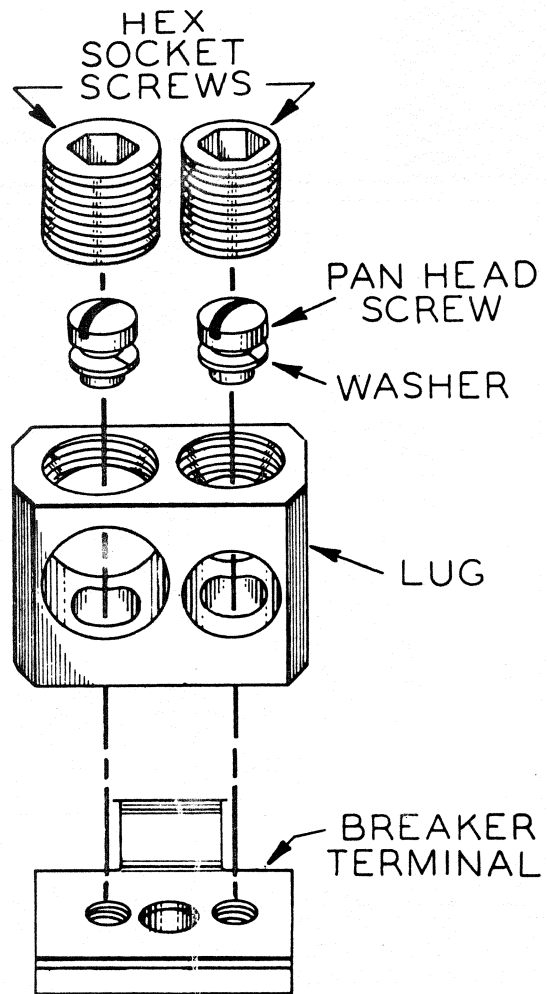
Installation of Front Connected Lugs

See Fig. 2.

1. Insert two pan head screws and lock washers (furnished) in lug.
2. Place lug and inserted screws in breaker frame with stamped lug information visible on outside of breaker.
3. Secure each pan head screw.
4. Feed in copper or aluminum cable.
5. Secure cable connection to lug with hex socket screws (furnished).

NOTE: For 400 ampere rating and below use lugs with Catalog Number TCAL 43.

For 500 and 600 ampere rating, use lugs with Catalog Number TCAL 63.



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.

GENERAL  **ELECTRIC**

CIRCUIT PROTECTIVE DEVICES DEPARTMENT, PLAINVILLE, CONNECTICUT