



Spectra RMS™ Molded Case Circuit Breakers

Replacement Kit Cat. No. SFCARE

This replacement kit for use when installing GE type SF circuit breakers as replacements for GE type TFJ, TFK, THFK or TFL circuit breakers in GE type CCB panelboards and types AV-1 and AV-2 group mounted switchboards. This kit is not limited to GE equipment applications but also includes other manufacturers' panelboards and switchboards of similar construction, using GE type SF circuit breakers. Consult original equipment manufacturers for further details.

GENERAL

The line suppressor, circuit breaker line shield and panelboard line shield contained in this kit must be installed as directed. They are used to alter the exhaust pattern of the GE type SF circuit breaker during high available short circuit interruptions by isolating and/or redirecting the exhaust gases for safe operation during these conditions.

WARNING: Failure to install these parts as directed could result in personal injury, death or damage to property.

Turn OFF power ahead of the panelboard or switchboard before working inside the equipment. DO NOT remove or install any component until the power is turned OFF. Failure to do so may result in electrical shock or injury.

IMPORTANT: La non installation de ces pièces selon la méthode indiquée peut occasionner blessures, décès ou dégât d'équipement.

COUPER l'alimentation a l'amont du tableau avant de travailler sur celui ci.

NE PAS remplacer ou installer un élément quelconque avant que l'alimentation soit COUPEE.

Le non respect de cette procédure peut occasionner choc électrique ou blessure.

INSTALLATION

SINGLE BRANCH CIRCUIT—SEE FIGURE 1

STEP 1.

Remove the three terminal covers from the line end of the SF breaker by turning counter-clockwise approximately 1/4 turn with a 5/16" allen wrench.

STEP 2.

Insert the 1/4-20 x 3/4" long screws with conical washers (supplied in this kit) into each line strap of the breaker.

STEP 3.

Align the line suppressor over the breaker line straps so that its "U" slots are in line with the top surface of each terminal compartment. Push in until the suppressor flanges are flush with the face of the breaker.

STEP 4.

Position the breaker over the line connection straps in the panelboard.

STEP 5.

Run in each line connection screw a few turns only.

STEP 6.

Run in the two #10-32 x 3 3/4" long screws with flat washers (from replaced breaker) into the breaker load end mounting holes.

STEP 7.

Torque the 1/4" line connection screws to 40-50 in.-lbs. and the #10 mounting screws to 25-30 in.-lbs.

STEP 8.

Replace the three line end terminal covers.

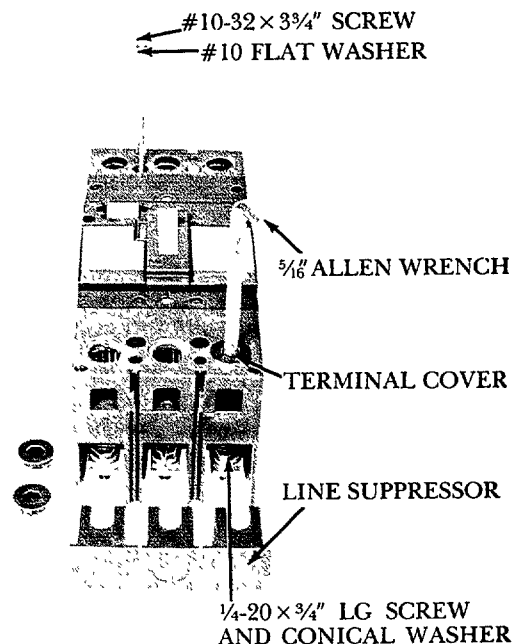


FIGURE 1.

DOUBLE BRANCH CIRCUITS—SEE FIGURE 2

When mounting a GE type SF breaker opposite a GE type TFJ, TFK, THFK or TFL breaker, follow the same instructions as for a single branch circuit and add the following steps.

STEP 9.

Position the breaker line shield with one leg between the opposing breakers and the other leg on the SF breaker so that the center cover plate mounting holes are in line.

STEP 10.

Fasten the center cover plate (supplied in this kit) to the SF breaker with the #6-20 × 3/8" long thread cutting screw for plastic (supplied in this kit). **CAUTION**—Torque to only 8 in.-lbs.—Do Not over tighten. Fasten the other end of the cover plate with the screw provided with the opposing circuit breaker.

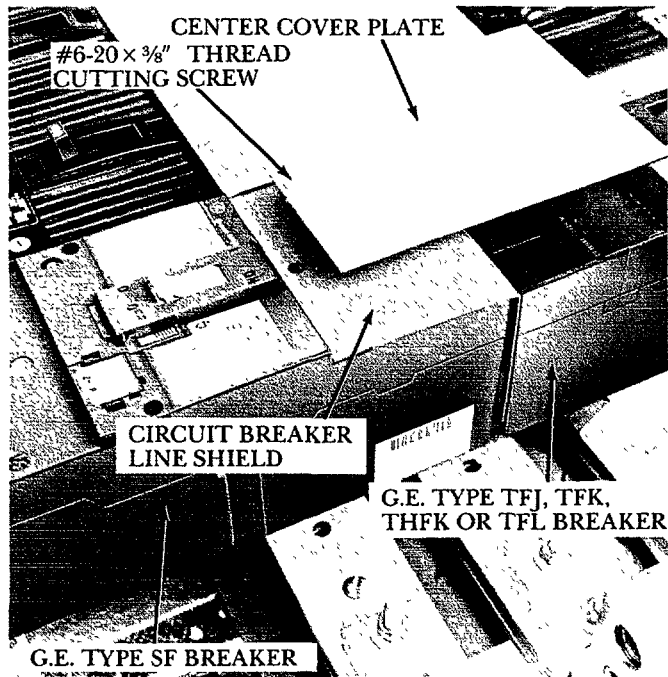


FIGURE 2.

INSTALLATION NEXT TO LINE LUGS—SEE FIGURE 3

When mounting a GE type SF breaker directly adjacent to the panelboard main lugs, follow the same instructions as for mounting single branch or double branch circuits, and add the following steps.

STEP 11.

Back-out the panelboard busbar mounting screws a few turns.

STEP 12.

Slide the slotted ends of the panelboard line shield under the screw heads and retighten to 25-30 in.-lbs. torque.

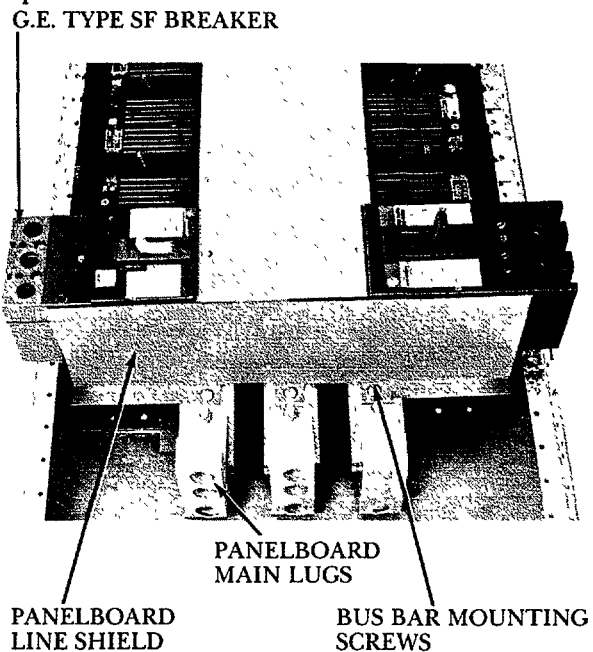


FIGURE 3.

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

General Electric Company
41 Woodford Ave., Plainville, CT 06062

GEH-5659 0590 BLA

© 1990 General Electric Company