



PowerMark Gold™ Load Centers

TQMVxxxD or THQMVxxxD Main Breaker Conversion Kit for Convertible Main Lug and Main Breaker Load Centers

NOTE: This main breaker kit fits all 100-225 ampere TLM/TM load centers labeled "MOD 6". This breaker kit may be used on TLM or TM load centers labeled MOD 1- MOD 5 but the Front must be replaced with a MOD 6 compatible Front. For a list of replacement Fronts, see the Front package carton or visit www.GEindustrial.com.

General

To comply with the National Electrical Code and Underwriters Laboratories, the load center must be installed in accordance with the information included on the label on the inside of the equipment. This must be done in accordance with applicable local electrical codes, and by a qualified electrical contractor and/or licensed electrician.

WARNING: Hazard of electrical shock or burn. Turn off power before working inside this equipment.

Installation

1. Remove the main lugs. Keep the two nuts (A), shown in the figure, for later use.
2. Insert the straps onto the threaded studs (B), positioning the breaker base (C) over the snap fingers (D) on the load center interior.
3. Push the base (C) over the snap fingers (D) until they are fully engaged, then reinstall and tighten the two nuts (A) to 35-50 in-lb.
4. Secure the breaker base (C) with two #10-32 x 5/16" screws to the enclosure (E). Tighten the screws to 20-25 in-lb.

Use only General Electric type TQMVxxxD or THQMVxxxD circuit breakers rated 100 - 225A.

For TQMV225D or THQMV225D circuit breakers, place provided barrier between breaker and enclosure. Align barrier with holes in breaker base.

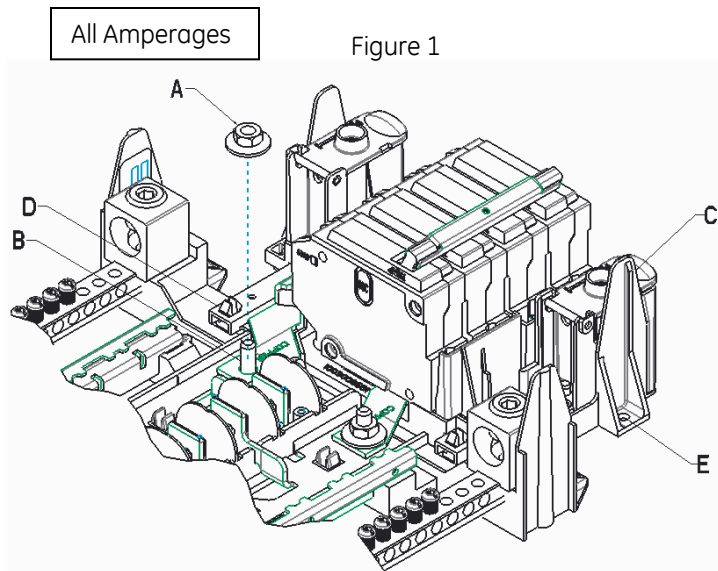


Figure 1

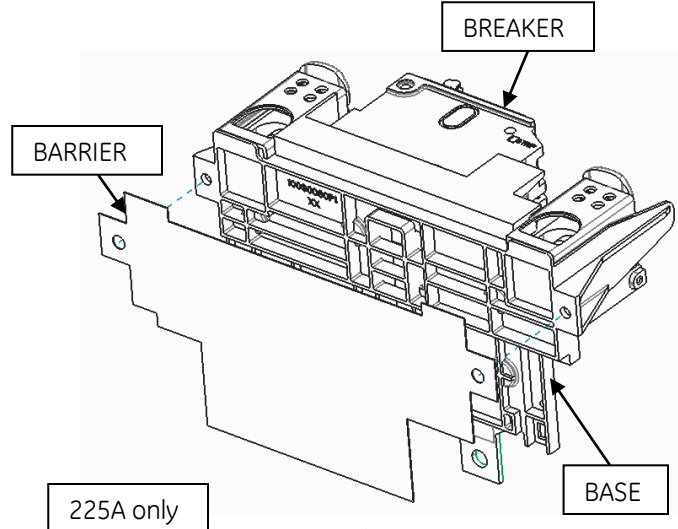


Figure 2

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

Installation of Flapper

Flappers are installed to service barriers by pushing the flapper hinge to the holes in the service barriers from the top. Figure 3 shows the installation of the flapper to service barrier.

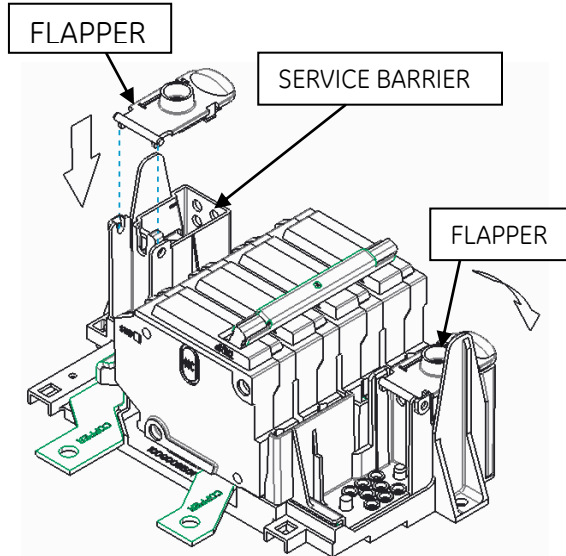


Figure 3: Flapper Installation

The wires must be stripped to the correct length to maintain isolation. Strip the wire to a maximum of 1.00 inches.

After stripping the wires to the required length, the wires can be installed as shown in Figure 4. The service barrier and flapper must be correctly installed to maintain electrical isolation from accidental contact. Torque the wires according to the torque specification on the breaker.

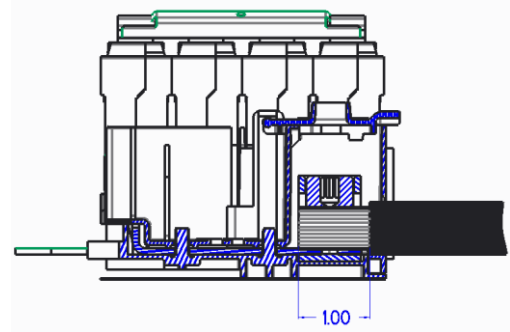


Figure 4: Maximum Wire Strip Length

The strip wire length are measured to the scale provided on top of the flapper, as shown on Figure 5.

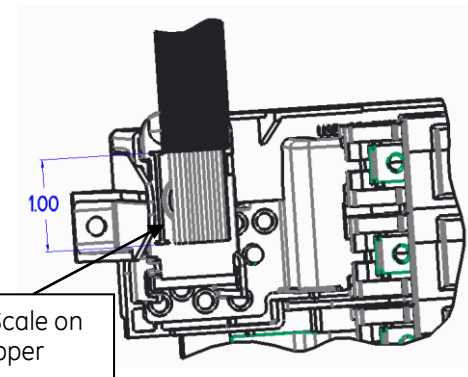


Figure 5: Strip Wire Length Measurement on Flapper

⚠ WARNING: Service barriers and flappers must be correctly installed on the line side of a main device in GE load centers, and MSLC to ensure isolation from live parts.

⚠ WARNING: Installing an incorrect size wire than the specified sizes for each circuit breaker frame will negate the barrier ability to protect personnel from exposed live components.

Location	Conductors
Lug Hole	1 AWG to 300 MCM Cu/Al

Table 1: shows the allowable wire sizes for the barrier.

Imagination at work

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