



# GEH5021 - Installation Instructions

## PowerMark Plus™ Load Centers

100–225 Ampere Single and Three Phase 10–42 Circuit

### Indoor Type



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

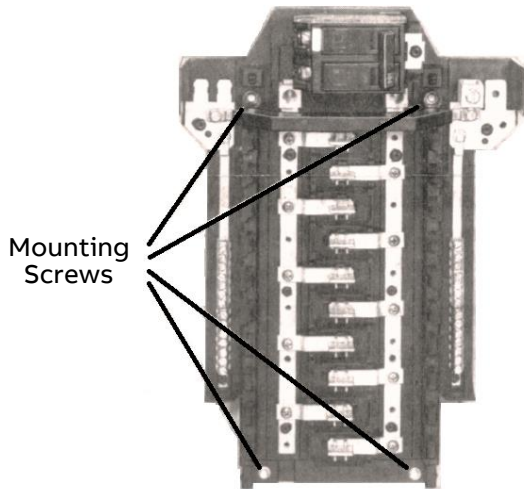
#### General

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 door.

#### 1. Remove Front

Slip the front and accessory package back into the carton to protect the finish.

#### 2. Remove Interior (optional)

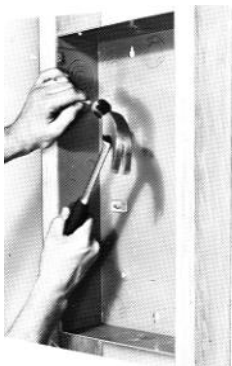


Back out mounting screws and save for use.

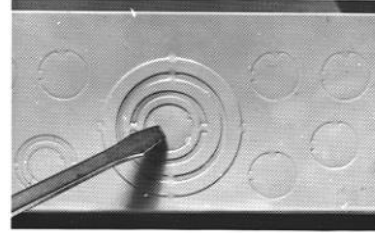
#### 3. Mount Box

For **Flush mount** line up front box edge with the finish wall surface and screw or nail to the stud through the small KO's in the box side.

For **Surface mount** screw or nail through the keyhole slots in the back of the box.



#### 4. Remove Knockouts for All Main and Branch Circuits



First knock the center knockout inward. The outer rings should be alternately pried up or driven in one at a time.

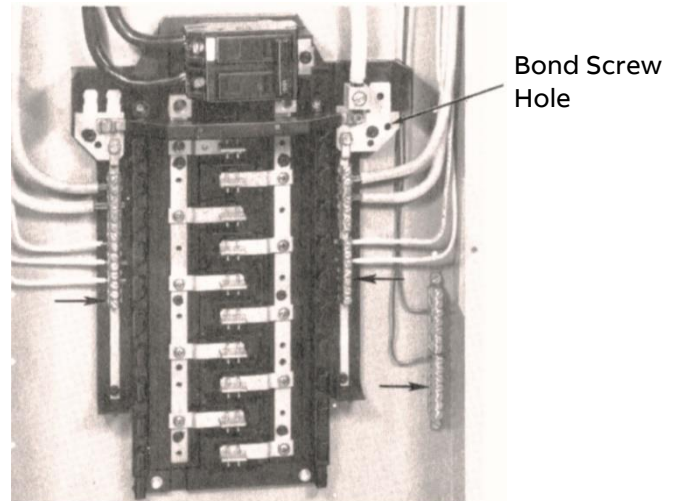
#### 5. Pull Incoming Service and Branch Circuit Wiring into Box

#### 6. Replace Interior

Drive in the mounting screws loosened in step 2.

#### 7. Wire Main, Neutral, and Equipment Ground

Refer to the rating label inside the equipment for the proper tightening torque.



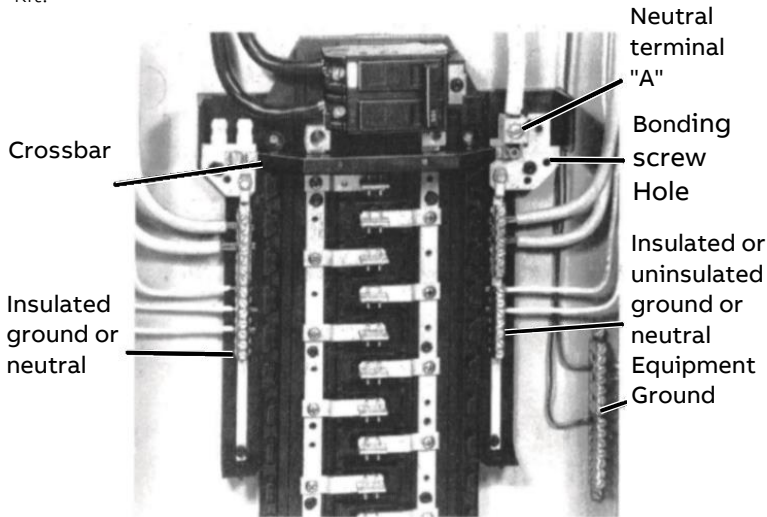
Wire the neutral and equipment grounds only in the directions indicated by the arrows. If required, ground and bond neutral to box using screw or straps provided. Straps must be placed in screw or large neutral holes.

### 8. Optional Wiring of Neutral and Ground

For panelboards rated 150 AMP or less the neutral crossbar may be removed to provide optional neutral and ground wiring as follows:

**Right Side** – Insulated neutral or ground without bonding screw. Uninsulated neutral or ground with bonding screw secured.

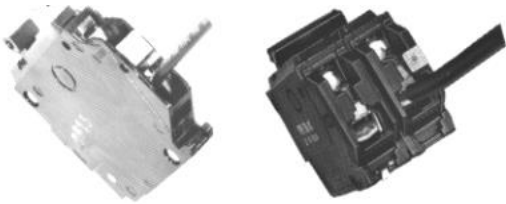
**Left Side** – Insulated neutral or ground only. No bonding provision provided. Neutral terminal “A” may be moved to left side or see rating label wiring diagram for additional terminal kit.



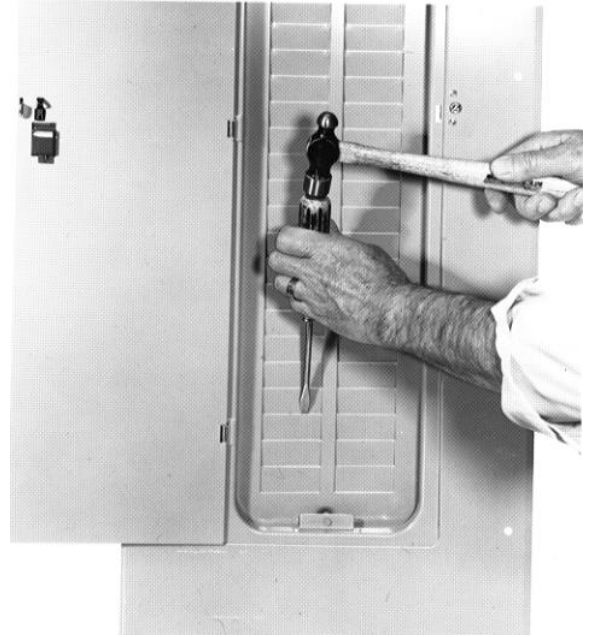
### 9. Wire Branch Circuits

Individually wire each branch circuit into a circuit breaker, then plug the breaker into the interior. Refer to the label on the circuit breaker for the proper tightening torque.

Use only GE circuit breakers only.



### 10. Remove Cover KO's



Place screwdriver as shown and tap with hammer.

### 11. Important!

Re-tighten **all** electrical connections before energizing.

### 12. Screw front on box.

Adjustment for flush mount will be automatic when cover is installed.

### 13. Identify circuits.

For user's convenience.

**NOTE:** Accessories and replacement parts are listed on the label inside the load center door.

These instructions do not 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 ABB Company.

For troubleshooting or service related questions, <https://electrification.us.abb.com/products/load-centers>