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GE THQMV200DP

GE PowerMark Gold THQMV200DP 200 Amp Main Circuit Breaker Conversion Kit Instruction Manual

Model: THQMV200DP

1. Introduction

This manual provides essential instructions for the safe and proper installation, operation, and maintenance of the GE PowerMark Gold THQMV200DP 200 Amp Double-Pole Main Circuit Breaker Conversion Kit. This kit is designed to convert a compatible GE PowerMark Gold load center to accept a 200 Amp main circuit breaker. Please read this manual thoroughly before proceeding with any installation or operation.

2. Safety Information

WARNING: Risk of electric shock, fire, or serious injury. Installation and servicing of electrical equipment should only be performed by qualified, licensed electricians. Always disconnect power at the main service panel before working on electrical equipment.

- Ensure all power to the electrical panel is turned OFF and verified with a voltage tester before beginning any work.
- Wear appropriate personal protective equipment (PPE), including insulated gloves and safety glasses.
- Follow all local and national electrical codes (e.g., NEC in the USA).
- Do not attempt installation if you are not a qualified electrician.
- This product is intended for use in GE PowerMark Gold load centers only.

3. Product Overview

The GE PowerMark Gold THQMV200DP is a 200 Amp, 4-pole main circuit breaker conversion kit. It includes the main breaker unit and associated hardware for installation into a compatible load center. The breaker is designed to provide overcurrent protection for the entire electrical system connected to the load center.

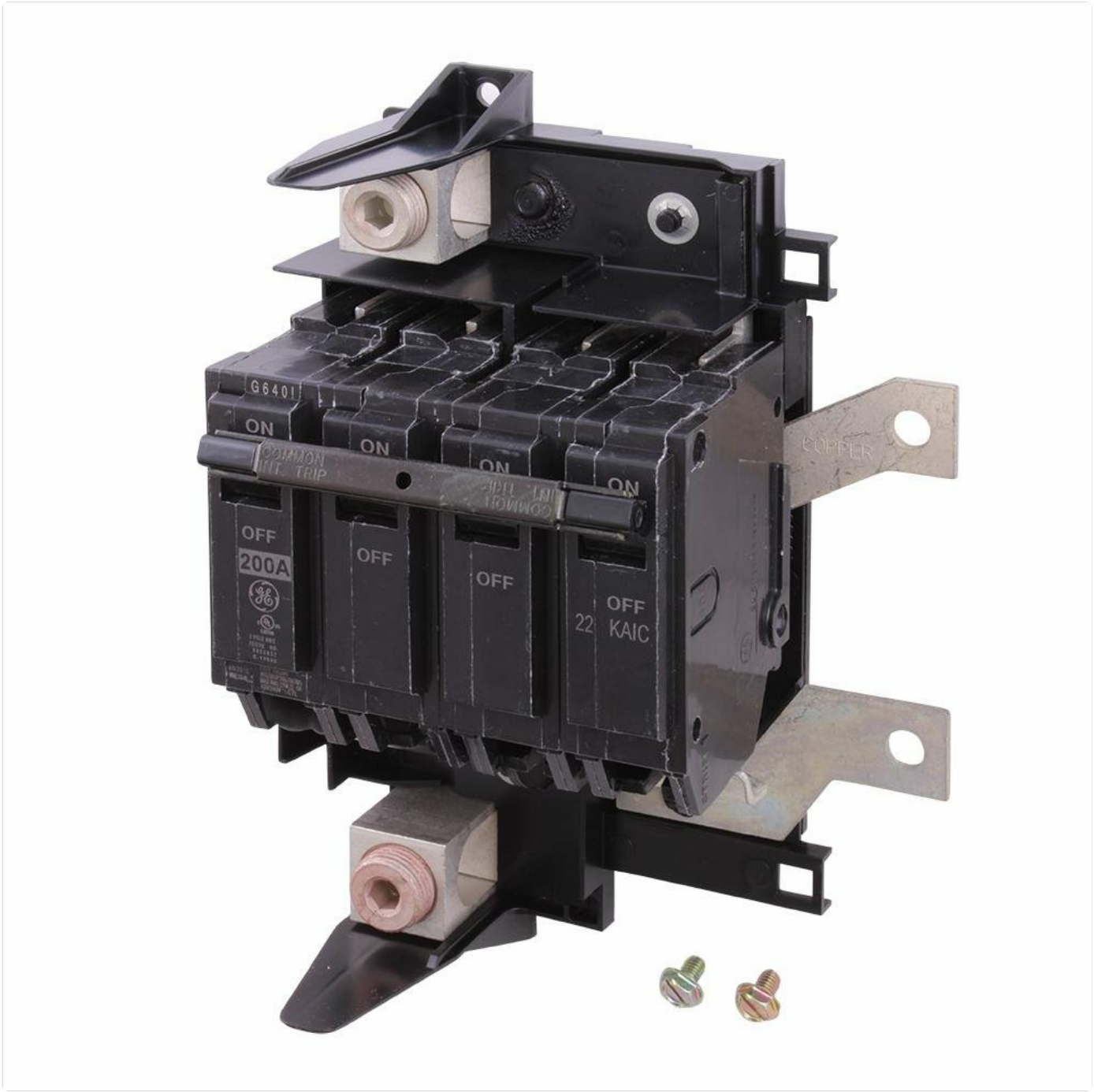


Figure 1: GE PowerMark Gold THQMV200DP 200 Amp Main Circuit Breaker Conversion Kit. This image displays the main circuit breaker unit with its four poles, ON/OFF switches, and connection terminals. The "200A" rating is visible on the left-most switch, and "COPPER" is indicated near one of the terminals, signifying compatibility with copper wiring. Two small screws are also shown, likely for mounting or terminal connections.

Key components include:

- **Main Breaker Unit:** A 200 Amp, 4-pole circuit breaker with ON/OFF levers.
- **Mounting Hardware:** Brackets and screws for securing the breaker within the load center.
- **Terminals:** Connection points for incoming utility power and outgoing load center buses.

4. Setup and Installation

IMPORTANT: Installation must be performed by a qualified, licensed electrician in accordance with all applicable electrical codes.

1. **Power Disconnection:** Locate the main service disconnect for the building and turn off all power. Verify zero

voltage at the load center using a multimeter.

2. **Panel Access:** Carefully remove the cover of the GE PowerMark Gold load center.
3. **Prepare for Conversion:** If replacing an existing main breaker or converting a main lug panel, ensure the panel is configured to accept a main breaker. This may involve removing existing lugs or filler plates.
4. **Mount the Breaker:** Position the THQMV200DP main breaker into the designated main breaker slot within the load center. Secure it using the provided mounting hardware. Ensure it is firmly seated and aligned.
5. **Wire Connections:**
    - Connect the incoming utility service conductors to the appropriate terminals on the main breaker.
    - Connect the load center bus bars to the outgoing terminals on the main breaker.
    - Ensure all connections are tight and secure, adhering to torque specifications if provided by the load center manufacturer.
6. **Grounding and Neutral:** Verify proper grounding and neutral connections within the panel, separate from the main breaker connections.
7. **Panel Reassembly:** Once all connections are secure and verified, replace the load center cover.
8. **Power Restoration:** Restore power at the main service disconnect.
9. **Testing:** Test the functionality of the main breaker by switching it ON and OFF.

5. Operating Instructions

The GE PowerMark Gold THQMV200DP main circuit breaker operates like a standard circuit breaker, controlling the flow of electricity to the entire load center.

- **To Turn ON:** Push the breaker handle firmly to the "ON" position.
- **To Turn OFF:** Push the breaker handle firmly to the "OFF" position.
- **Tripped Breaker:** If the breaker trips due to an overload or short circuit, the handle will move to a center or "TRIPPED" position. To reset, first push the handle completely to the "OFF" position, then push it firmly to the "ON" position. If the breaker immediately trips again, there is likely a persistent fault that requires investigation by a qualified electrician.

6. Maintenance

The GE PowerMark Gold THQMV200DP circuit breaker is designed for reliable, maintenance-free operation under normal conditions. Periodic inspection by a qualified electrician is recommended.

- **Annual Inspection:** Have a qualified electrician inspect the load center and all breakers annually for signs of wear, corrosion, or loose connections.
- **Cleaning:** Ensure the area around the breaker is free from dust and debris. Do not use liquids to clean inside the electrical panel.
- **Avoid Overloading:** Do not connect electrical loads that exceed the rated capacity of the breaker or the overall electrical system.

7. Troubleshooting

If you experience issues with your electrical system, consider the following common troubleshooting steps. Always prioritize safety and consult a qualified electrician for complex issues.

- **Breaker Trips Frequently:** This indicates an overload or a short circuit on the connected circuit.
  - Unplug or turn off appliances on the circuit.
  - Reset the breaker (OFF then ON).
  - If it trips again, contact a qualified electrician to identify and resolve the fault.
- **No Power to Panel:** If the main breaker is ON but there is no power to the panel, check the utility service connection. If the issue persists, contact your utility provider or a qualified electrician.
- **Breaker Feels Hot:** A warm breaker can be normal, but excessive heat or a burning smell indicates a serious problem. Immediately turn off power at the main service disconnect and contact a qualified electrician.

8. Specifications

Attribute	Value
Brand	GE
Model Number	THQMV200DP
Current Rating	200 Amps
Voltage Rating	240 Volts
Number of Poles	4
Circuit Breaker Type	Standard
Mounting Type	Panel Mount
Product Dimensions	7 x 4.7 x 9.7 inches; 2.6 Pounds

9. Warranty and Support

For warranty information and technical support regarding your GE PowerMark Gold THQMV200DP Main Circuit Breaker Conversion Kit, please refer to the documentation provided with your original purchase or visit the official GE electrical products website. You may also contact GE customer service directly for assistance.
For further assistance, please visit the GE Store on Amazon or the official GE website.

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