

JBP84BK3BB, JBP84BK4BB, JBP84CH1CC, JBP84CH2CC, JBP84CH3CC, JBP84CK1CC, JBP84DM1BB, JBP84DM2BB, JBP84KH1CC, JBP84KH2CC,

Generic Range Burner Infinite Switch User Manual

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Generic Range Burner Infinite Switch, compatible with various GE electric range models.

1. INTRODUCTION

The Range Burner Infinite Switch is a replacement control designed for dual surface burner elements on electric ranges. It facilitates smooth and precise heat adjustment, supporting the proper operation of both inner and outer burner zones. This switch is a direct replacement part intended to restore accurate burner temperature control on compatible GE electric range models.

2. IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions could result in fire, electric shock, personal injury, or property damage.

- **Disconnect Power:** Always disconnect power to the range at the circuit breaker or fuse box before attempting any installation, maintenance, or repair.
- **Qualified Technician:** Installation and service should be performed by a qualified technician. Improper installation can lead to electrical hazards.
- **Electrical Hazards:** Be aware of live electrical components. Do not touch wires or terminals unless power is disconnected.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and safety glasses, during installation.
- **Check Connections:** Ensure all electrical connections are secure and properly insulated after installation.

3. PACKAGE CONTENTS

- 1 x Range Burner Infinite Switch



Figure 1: Front view of the Range Burner Infinite Switch, showing the control shaft and mounting bracket.

4. SPECIFICATIONS

Rated Voltage	240 Volts
Rated Amperage	15 Amps
Product Dimensions	Approximately 1 x 1 x 1 inches
Manufacturer	DinhKhoa

5. INSTALLATION INSTRUCTIONS

This section provides general guidance for replacing the infinite switch. Specific steps may vary depending on your GE range model. Always refer to your appliance's service manual if available.

Tools Required:

- Screwdriver (Phillips and/or Flathead)
- Pliers
- Nut Driver (if applicable)

- Work Gloves

Installation Steps:

1. **Disconnect Power:** Before beginning, ensure the range is completely disconnected from its power source by turning off the circuit breaker or unplugging the appliance.
2. **Access the Control Panel:** Depending on your range model, you may need to remove the back panel or lift the cooktop to access the infinite switches. Refer to your range's specific instructions.
3. **Identify the Faulty Switch:** Locate the infinite switch that needs replacement. It will typically be connected to the burner element and the control knob.
4. **Document Wiring:** Before disconnecting any wires, take a clear photograph or draw a diagram of the existing wiring connections to the old switch. This is crucial for correct reassembly.
5. **Disconnect Wires:** Carefully disconnect each wire from the old switch. Note that some terminals may be labeled (e.g., P1, P2, S1, S2, 4a, 4b).
6. **Remove Old Switch:** Unscrew or unclip the old infinite switch from its mounting bracket.
7. **Install New Switch:** Position the new infinite switch in the mounting bracket and secure it.
8. **Connect Wires:** Using your photograph or diagram, carefully connect each wire to the corresponding terminal on the new switch. Ensure all connections are tight and secure.
9. **Reassemble:** Reattach any panels or the cooktop that were removed.
10. **Restore Power:** Restore power to the range at the circuit breaker or by plugging it back in. Test the burner for proper operation.



Figure 2: Rear view of the Range Burner Infinite Switch, illustrating the various terminal connections for wiring.

6. OPERATION

The infinite switch controls the heat output of your electric range's dual surface burner elements. When the control knob is turned, the switch regulates the power supplied to the heating element, allowing for a continuous range of heat settings from low to high. For dual elements, it manages both the inner and outer heating zones to provide the desired cooking temperature.

7. MAINTENANCE

The Range Burner Infinite Switch is a sealed component and requires no routine maintenance. If the switch becomes faulty, it should be replaced. To ensure longevity, avoid exposing the switch to excessive moisture or physical impact. Periodically, ensure that the control knob is securely attached to the switch shaft.

8. TROUBLESHOOTING

If you experience issues with your range burner after installing the infinite switch, consider the following:

- **Burner Not Heating:**
 - Check if the range has power.

- Verify all wires are securely connected to the switch terminals as per your wiring diagram.
- Ensure the burner element itself is not faulty.
- **Inconsistent Heat or Only One Zone Heating (Dual Element):**
 - Re-check wiring connections, especially those related to the inner and outer burner zones.
 - Confirm the switch is correctly rated for your dual element burner.
- **Control Knob Not Turning Smoothly:**
 - Ensure the control knob is properly aligned and seated on the switch shaft.
 - Check for any obstructions around the shaft.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance technician.

9. COMPATIBLE GE RANGE MODELS

This infinite switch is compatible with the following GE electric range models. Please verify your model number before purchase and installation.

- JBP84BK3BB
- JBP84BK4BB
- JBP84CH1CC
- JBP84CH2CC
- JBP84CH3CC
- JBP84CK1CC
- JBP84DM1BB
- JBP84DM2BB
- JBP84KH1CC
- JBP84KH2CC
- JBP84KH3CC
- JBP84KK1CC
- JBP84KK2CC
- JBP84KK3CC
- JBP84KK4CC
- JBP84SH1SS
- JBP84SH2SS
- JBP84SH3SS
- JBP84SK1SS
- JBP84SK2SS
- JBP84SK3SS
- JBP84SK4SS
- JBP84SK5SS
- JBP84SM1SS
- JBP84SM2SS
- JBP84TH1WW
- JBP84TH2WW
- JBP84TH3WW
- JBP84TK1WW
- JBP84TK2WW

- JBP84TK3WW
- JBP84TK4WW
- JBP84TM1CC
- JBP84TM1WW
- JBP84TM2CC
- JBP84TM2WW

10. CONTACT AND SUPPORT

If you require further assistance or have questions regarding the installation or operation of your Range Burner Infinite Switch, please contact the seller or a qualified appliance repair professional.