



Manuals.plus /

› BTNTVEN /

› WB24X25013 Range Surface Element Control Switch User Manual

BTNTVEN WB24X25013

WB24X25013 Range Surface Element Control Switch User Manual

Model: WB24X25013 | Brand: BTNTVEN

1. PRODUCT OVERVIEW

The WB24X25013 Range Surface Element Control Switch is a crucial component designed for GE Electric Ranges. This infinite control switch allows precise adjustment of heat for your range's surface elements, ensuring consistent cooking temperatures and reliable performance. It is built with durable materials to withstand high temperatures and regular use, contributing to the extended lifespan of your appliance.

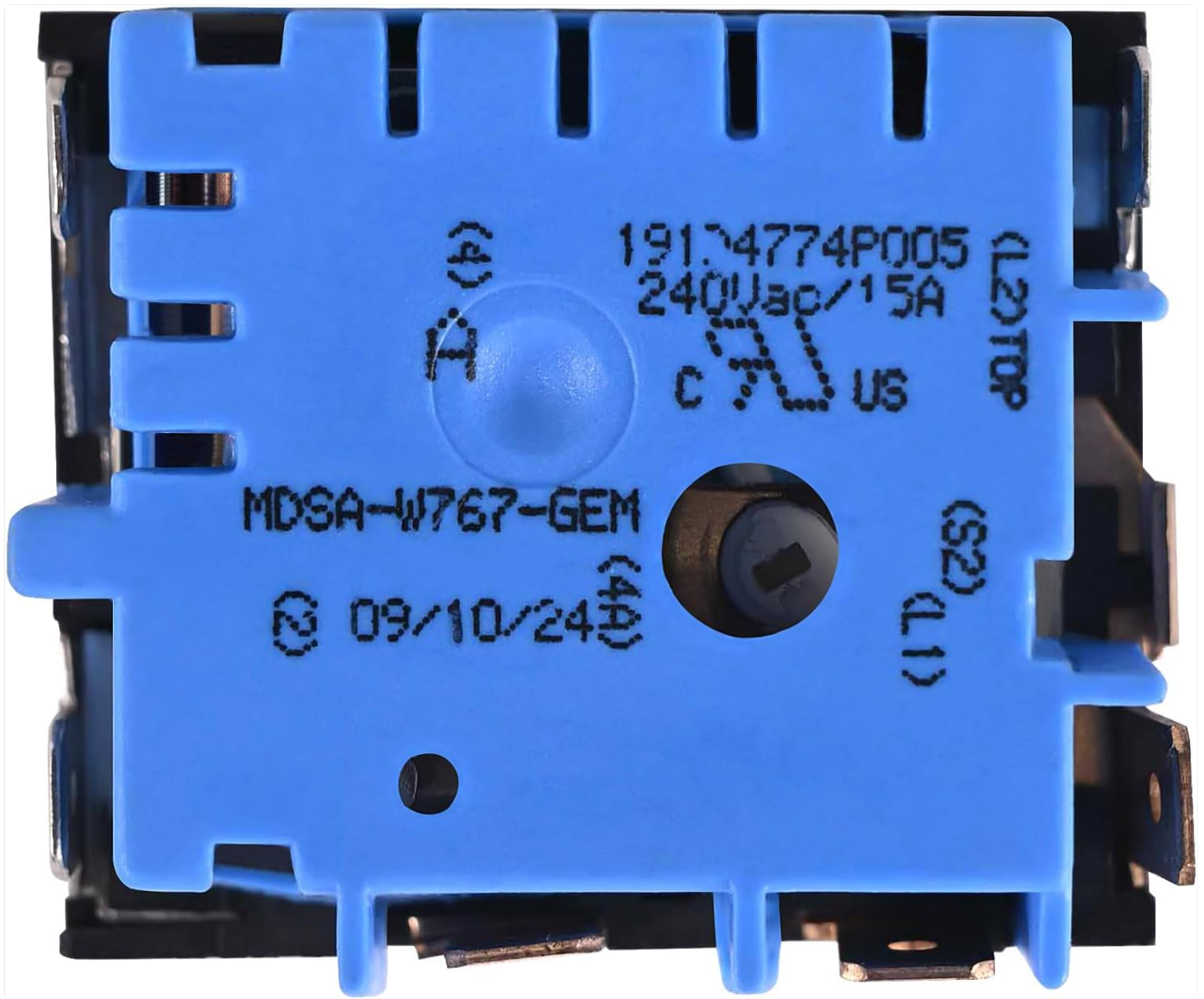


Image 1.1: The WB24X25013 Range Surface Element Control Switch, showing its overall design and terminals.

PRODUCT DETAILS

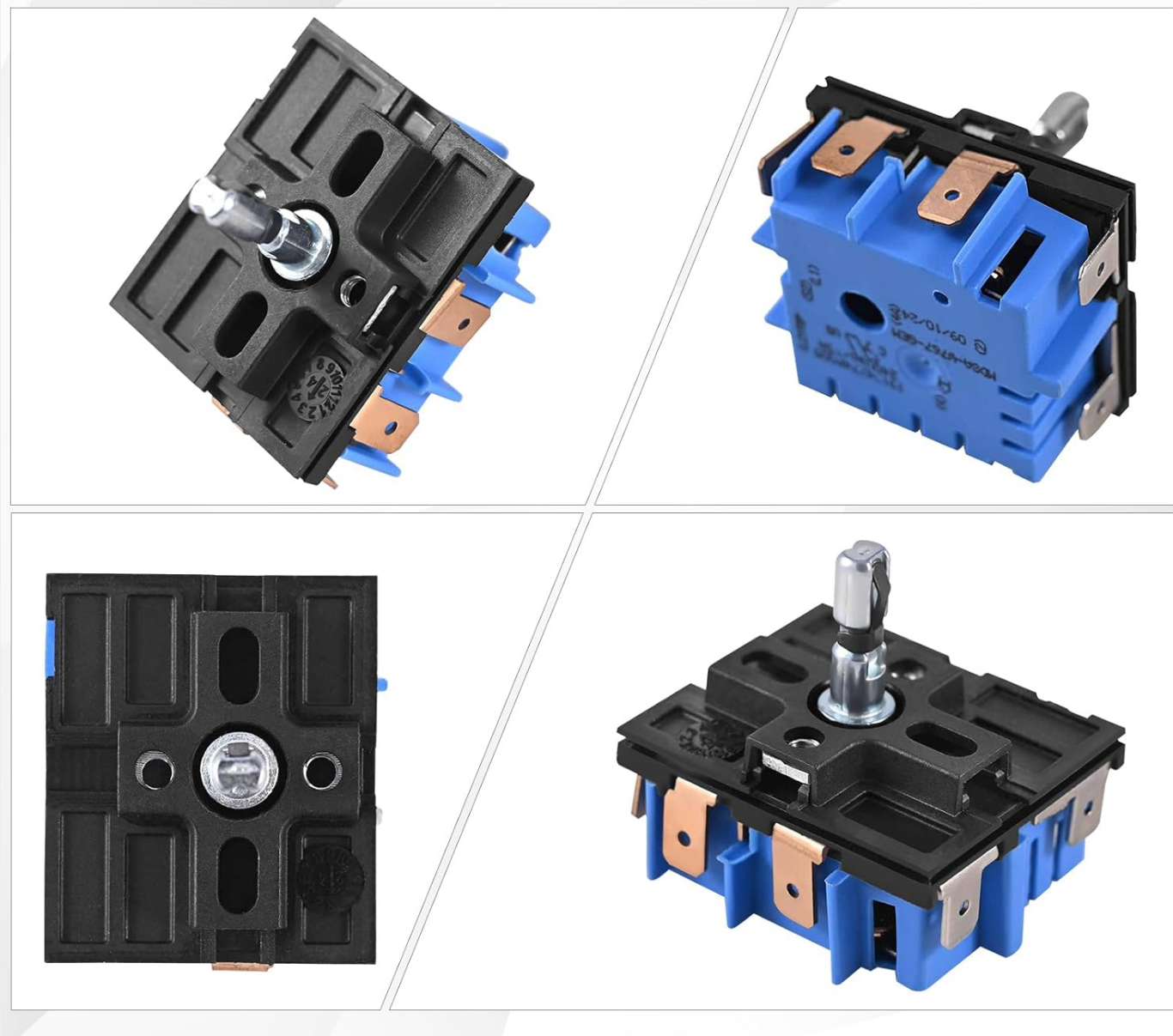


Image 1.2: Key features of the control switch, highlighting its heat resistance, ease of installation, long lifespan, and precise temperature control capabilities.

2. COMPATIBILITY AND REPLACEMENT INFORMATION

2.1 Compatible Models

This surface element control switch is designed for a wide range of GE electric ranges. Below is a list of some compatible models. For a comprehensive list, please refer to your appliance's documentation or consult a qualified technician.



Heat Resistant



Easy Installation



Long Lifespan



Precise Temperature Control



Image 2.1: A visual representation of various GE range models compatible with the WB24X25013 switch, including JB6, JB7, JB8, JBS, JS6, and JS7 series.

- JB650DF5BB, JB650DF5CC, JB650EF5ES, JB650SF5SS
- JB750DJ1BB, JB750DJ1CC, JB750EJ1ES, JB750SJ1SS
- JB860DJ1BB, JB860DJ2BB, JB860DJ2WW, JB860EJ1ES
- JBS60DK1WW, JBS60DF4WW, JBS60DK1BB, JBS60RF4SS
- JS645EL1ES, JS645SL1SS, JS660EL1ES, JS660SL1SS, JS645DL2WW
- PCB980SJ1SS, PCB980SJ2SS, PCB980SJ3SS, PCB980SJ4SS, PCB980SJ5SS
- JS760BL1TS, JS760DL1BB, JS760DL1WW
- And other models in the JB6, JB7, JB8, JBS, JS6 PCB JS7 Series.

2.2 Replacement Part Numbers

This control switch is a direct replacement for several original equipment manufacturer (OEM) part numbers, ensuring a perfect fit and function for your appliance.

Appliance Model

Fit JB6, JB7, JB8, JBS, JS6 PCB JS7 Series

- JB650DF5BB
- JB650DF5CC
- JB650DF5WW
- JB650EF5ES
- JB650SF5SS
- JB750DJ1BB
- JB750DJ1CC
- JB750DJ1WW
- JB750EJ1ES
- JB750SJ1SS
- JB860DJ1BB
- JB860DJ1WW
- JB860DJ2BB
- JB860DJ2WW
- JB860EJ1ES
- JBS60DK1WW
- JBS60DF4BB
- JBS60DF4WW
- JBS60DK1BB
- JBS60RF4SS
- JS645EL1ES
- JS645SL1SS
- JS660EL1ES
- JS660SL1SS
- JS645DL2WW
- PCB980SJ1SS
- PCB980SJ2SS
- PCB980SJ3SS
- PCB980SJ4SS
- PCB980SJ5SS
- JS760BL1TS
- JS760DL1BB
- JS760DL1WW
- JS760EL1ES
- JS760SL1SS
- JS760SL2SS
- JS760SL3SS
- JS760SL4SS
- JS760SL5SS
- JS760SP2SS
- JS760SP3SS
- JS760SP4SS
- JS760SP5SS
- JS760SP6SS
- JS760SP7SS
- JS760SP8SS



Image 2.2: Visual display of the part numbers that the WB24X25013 switch replaces, including WB24X25013, 4464832, AP5999509, PS11729102, and EAP11729102.

- WB24X25013
- 4464832
- AP5999509
- PS11729102
- EAP11729102

3. SPECIFICATIONS

Detailed specifications for the WB24X25013 Range Surface Element Control Switch are provided below:

REPLACES PART NUMBER



- ✓ WB24X25013
- ✓ 4464832
- ✓ AP5999509
- ✓ PS11729102
- ✓ EAP11729102

Image 3.1: Detailed dimensions of the control switch, showing measurements of 1.5 inches (3.81 cm) in height, 1.77 inches (4.5 cm) in width, and 0.8 inches (2.03 cm) in depth.

Specification	Detail
Model Info	WB24X25013
Part Number	191d4774p005
Brand	BTNTVEN
Operation Mode	Manual
Contact Type	Normally Open
Terminal Type	Screw
Circuit Type	1-way
Contact Material	Metal
Control Method	Touch
Item Weight	1.6 ounces
Package Dimensions	2.24 x 1.85 x 1.77 inches
Country of Origin	China
Included Components	Range infinite control switch

4. INSTALLATION INSTRUCTIONS

The WB24X25013 control switch is designed for straightforward installation. However, for safety and proper function, it is highly recommended that installation be performed by a qualified appliance technician. If you choose to proceed with self-installation, please follow these critical safety precautions and steps carefully.

4.1 Safety Precautions

- **Disconnect Power:** **ALWAYS** unplug the range from the electrical outlet or switch off the house circuit breaker for the range before attempting any installation or repair. Failure to do so can result in serious injury or electrical shock.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- Ensure the work area is well-lit and clear of obstructions.

4.2 Tools Required

- Screwdriver set (Phillips and Flathead)
- Pliers (optional, for wire connections)
- Multimeter (optional, for testing continuity)

4.3 Installation Steps

1. **Access the Control Panel:** Carefully remove the knobs from the control panel. Depending on your range model, you may need to remove screws securing the back panel or the front control panel to access the existing control switches.
2. **Identify the Switch:** Locate the faulty surface element control switch. It will typically have several wires connected to its terminals. Take a photograph or make a clear diagram of the wire connections before disconnecting them. This is crucial for correct re-installation.
3. **Disconnect Wires:** Carefully disconnect all wires from the old switch. Note the position of each wire (e.g., L1, L2, S1, S2, P, H1, H2, etc.) as they correspond to specific terminals on the switch.
4. **Remove Old Switch:** Unscrew or unclip the old switch from its mounting bracket.

5. **Install New Switch:** Position the new WB24X25013 control switch into the mounting bracket and secure it with screws or clips.
6. **Connect Wires:** Refer to your diagram or photograph and carefully re-connect each wire to its corresponding terminal on the new switch. Ensure all connections are secure and tight.
7. **Reassemble:** Reattach the control panel and secure any screws. Replace the control knobs.
8. **Test Functionality:** Restore power to the range. Carefully test the functionality of the newly installed switch by turning it to various heat settings for the corresponding surface element. Observe if the element heats up correctly and if the temperature can be adjusted.

If you encounter any difficulties or are unsure about any step, please consult a professional appliance repair technician.

5. OPERATING THE CONTROL SWITCH

The WB24X25013 is an infinite control switch, meaning it provides a continuous range of heat settings from low to high, rather than fixed settings. This allows for precise temperature control during cooking.

- **Turning On:** Rotate the control knob clockwise from the "Off" position to activate the surface element.
- **Adjusting Heat:** Continue rotating the knob to increase the heat. The further you turn it, the higher the heat output from the element.
- **Turning Off:** Rotate the control knob counter-clockwise back to the "Off" position to deactivate the surface element.
- **Precise Control:** The infinite control allows you to fine-tune the heat for simmering, boiling, or maintaining specific temperatures for various cooking tasks.

6. MAINTENANCE AND CARE

The WB24X25013 control switch is constructed with durable materials designed for a long lifespan and reliable operation. Minimal maintenance is required for the switch itself.

- **Regular Cleaning:** Keep the area around the control knobs and panel clean. Use a soft, damp cloth to wipe away any spills or grease. Avoid abrasive cleaners that could damage the finish or markings.
- **Inspect Connections:** Periodically, if comfortable and with power disconnected, you may inspect the wire connections to the switch to ensure they remain secure. Loose connections can lead to intermittent operation or overheating.
- **Avoid Force:** Do not apply excessive force when turning the control knobs. Smooth and gentle operation will help preserve the internal mechanisms of the switch.

7. TROUBLESHOOTING

If you experience issues with your range's surface element after replacing the control switch, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Element not heating	No power to range; Loose wire connection; Faulty element	Check circuit breaker. Ensure range is plugged in. Verify all wire connections to the switch are secure (with power off). Test the element for continuity if possible.
Element heats only on high/low	Incorrect wiring; Faulty new switch	Double-check wiring against your diagram. If wiring is correct, the new switch may be defective and require replacement.
Element cycles on/off erratically	Loose wire connection; Overheating (rare for new switch)	Ensure all wire connections are tight. If problem persists, consult a technician.

For complex issues or if troubleshooting steps do not resolve the problem, it is advisable to contact a certified appliance repair

professional.

8. WARRANTY AND SUPPORT

This WB24X25013 Range Surface Element Control Switch is manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.

For technical support or further assistance, please reach out to the BTNTVEN customer service team through the retailer where the product was purchased.

