

Kenmore 903136-9010

Kenmore 903136-9010 Range Surface Element Control Switch Kit User Manual

Genuine Original Equipment Manufacturer (OEM) Part

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Kenmore 903136-9010 Range Surface Element Control Switch Kit. This kit is a genuine Original Equipment Manufacturer (OEM) part designed to replace the surface element control switch in compatible electric ranges, controlling the element's on/off function and heat output.

2. SAFETY INFORMATION

WARNING: Before attempting any installation or repair, always disconnect power to the appliance at the circuit breaker or fuse box to avoid electric shock or injury.

- Always wear appropriate personal protective equipment (PPE), such as gloves and safety glasses.
- If you are unsure about any step, consult a qualified appliance repair technician.
- Keep children and pets away from the work area.
- Ensure all connections are secure before restoring power.

3. WHAT'S INCLUDED

The 903136-9010 Surface Element Control Switch Kit typically includes the following components:

- Surface Element Control Switch
- Bushing/Spacer
- Mounting Screws
- Instruction Sheet (refer to this manual for detailed guidance)



Image 1: The 903136-9010 Surface Element Control Switch Kit, showing the main switch unit, a metal bushing/spacer, and two mounting screws.

4. COMPATIBILITY

The 903136-9010 Surface Element Control Switch Kit is an OEM part designed to fit various electric range models from Kenmore, Kenmore Elite, and Frigidaire. It replaces original part numbers 318220020, 318220080, and 318369615.

Compatible series include, but are not limited to: Kenmore and Kenmore Elite 790 series; and Frigidaire BFES, CFES, CGLES, CPES, DGES, FED, FES, GLED, GLES, and PLES series.

Important: Always verify compatibility with your specific appliance model number before purchasing and installing. Replacement parts may differ in appearance from the original but are functionally equivalent.

Does your part fit?



Many replacement parts
look the same
but won't fit your model.

Don't be fooled!

Check your
model number
before you buy.

Image 2: A visual reminder to check your appliance's model number to ensure part compatibility, as many parts may look similar but are not interchangeable.

5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install the surface element control switch. Refer to your appliance's specific service manual for detailed disassembly instructions if needed.

1. **Disconnect Power:** Before beginning, ensure the range is completely disconnected from the electrical supply by unplugging it or turning off the circuit breaker.
2. **Access the Control Panel:** Depending on your range model, you may need to remove knobs, screws, or clips to access the rear of the control panel where the switches are mounted.
3. **Identify the Old Switch:** Locate the surface element control switch that needs replacement. Note the position of all wires connected to it. Taking a photograph before disconnecting wires can be very helpful.
4. **Disconnect Wires:** Carefully disconnect each wire from the old switch. Use needle-nose pliers if necessary to gently pull the connectors.
5. **Remove Old Switch:** Unscrew or unclip the old switch from the control panel.

6. **Install New Switch:** Mount the new 903136-9010 switch using the provided screws and bushing/spacer. Ensure it is securely fastened.
7. **Connect Wires (Crucial Step):** This replacement part may have a different physical layout of terminals compared to your old switch. **Do not connect wires based on their previous physical location.** Instead, identify the labels molded into the plastic next to each connecting point on both the old and new switches. Common labels include H1, H2, L1, L2, and P. Match the wires from the old switch's H1 terminal to the new switch's H1 terminal, H2 to H2, and so on for L1, L2, and P. Ensure all connections are firm and secure.
8. **Reassemble:** Carefully reassemble the control panel and any other parts removed during disassembly. Ensure no wires are pinched.
9. **Restore Power and Test:** Once everything is reassembled, restore power to the range. Test the new surface element control switch to ensure it functions correctly and controls the element's heat as expected.

6. OPERATION

The 903136-9010 Surface Element Control Switch functions identically to the original part it replaces. It allows you to turn the corresponding surface heating element on and off, and to adjust its heat intensity from low to high settings. Rotate the control knob to select the desired heat level for cooking.

7. MAINTENANCE

This control switch is a sealed electrical component and requires no routine maintenance. If the switch becomes faulty, it should be replaced. To prolong the life of your appliance and its components:

- Keep the control panel area clean and free of spills.
- Avoid excessive force when turning control knobs.
- Ensure proper ventilation around the appliance.

8. TROUBLESHOOTING

If you experience issues after installing the new switch, consider the following:

Problem	Possible Cause	Solution
Element does not heat or heats intermittently.	Incorrect wiring connections.	Double-check that wires are connected to the correct labeled terminals (H1, H2, L1, L2, P) on the new switch, not just by physical location. Ensure connections are secure.
Element heats only on one setting (e.g., high only).	Faulty element or incorrect switch wiring.	Verify wiring as above. If wiring is correct, the heating element itself might be faulty and require replacement.
Switch knob feels loose or doesn't engage.	Improper installation of the bushing/spacer or knob.	Ensure the bushing/spacer is correctly seated and the switch is securely mounted. Check the knob for damage.
No power to the range.	Circuit breaker tripped or fuse blown.	Check your home's circuit breaker panel or fuse box. Reset the breaker or replace the fuse.

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

9. SPECIFICATIONS

- **Part Number:** 903136-9010
- **Manufacturer:** Frigidaire (OEM)
- **Item Weight:** Approximately 113 g (0.25 lbs)
- **Parcel Dimensions:** Approximately 33.27 x 3.05 x 1.52 cm (13.1 x 1.2 x 0.6 inches)
- **Mounting Type:** Wall Mount (refers to mounting within the appliance's control panel)
- **Batteries Required:** No
- **Replaces Part Numbers:** 318369615, 318220080, 318220020

10. WARRANTY INFORMATION

As an Original Equipment Manufacturer (OEM) part, this product typically carries a limited warranty provided by the manufacturer, Frigidaire. Warranty terms and duration may vary. Please retain your proof of purchase for warranty claims. For specific warranty details, refer to the documentation included with your purchase or contact the manufacturer directly.

11. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact the manufacturer or your appliance service provider. When contacting support, have your appliance's full model number and serial number ready.

You can also visit the official Kenmore or Frigidaire support websites for additional resources and service information.

© 2024 Kenmore / Frigidaire. All rights reserved. This manual is for informational purposes only.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question