



Manuals.plus /

› quakadjs /

› Instruction Manual for quakadjs 5500-135M Commercial Cooking Infinite Switch Kit

quakadjs 5500-135M

Product Instruction Manual

For the quakadjs 5500-135M Compatible with Robertshaw Commercial Cooking 120V Infinite Switch Kit

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the quakadjs 5500-135M Compatible with Robertshaw Commercial Cooking 120V Infinite Switch Kit. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

This infinite switch is designed for commercial cooking applications, providing variable heat control for heating elements.

SAFETY INFORMATION

WARNING: Disconnect power before servicing. Installation should be performed by a qualified technician in accordance with all local and national electrical codes.

Failure to follow these instructions could result in electrical shock, fire, or personal injury.

- Always wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Ensure the power supply matches the voltage rating of the switch (120V AC).
- Do not operate the switch if it is damaged.
- Keep children and pets away from the appliance during installation and operation.

KIT COMPONENTS

The quakadjs 5500-135M kit includes the following components:

- Infinite Switch Module (5500-135M)
- Control Dial
- Mounting Hardware (nut, bracket, screws)
- Wiring Harnesses (2)
- Shaft Adapter (yellow)



Figure 1: Overview of all components included in the 5500-135M Infinite Switch Kit.

SETUP AND INSTALLATION

This section outlines the steps for installing the infinite switch. Ensure all safety precautions are followed.

1. **Power Disconnection:** Before beginning any work, ensure the power supply to the appliance is completely disconnected at the circuit breaker or fuse box. Verify with a voltage tester.
2. **Access the Existing Switch:** Locate and access the existing infinite switch within the commercial cooking appliance. This may involve removing control panels or access covers.
3. **Document Wiring:** Carefully note or photograph the wiring connections to the old switch. Pay attention to terminal markings (e.g., L1, L2, H1, H2, P).
4. **Remove Old Switch:** Disconnect all wires from the old switch and remove any mounting hardware securing it.
5. **Install New Switch Module:**

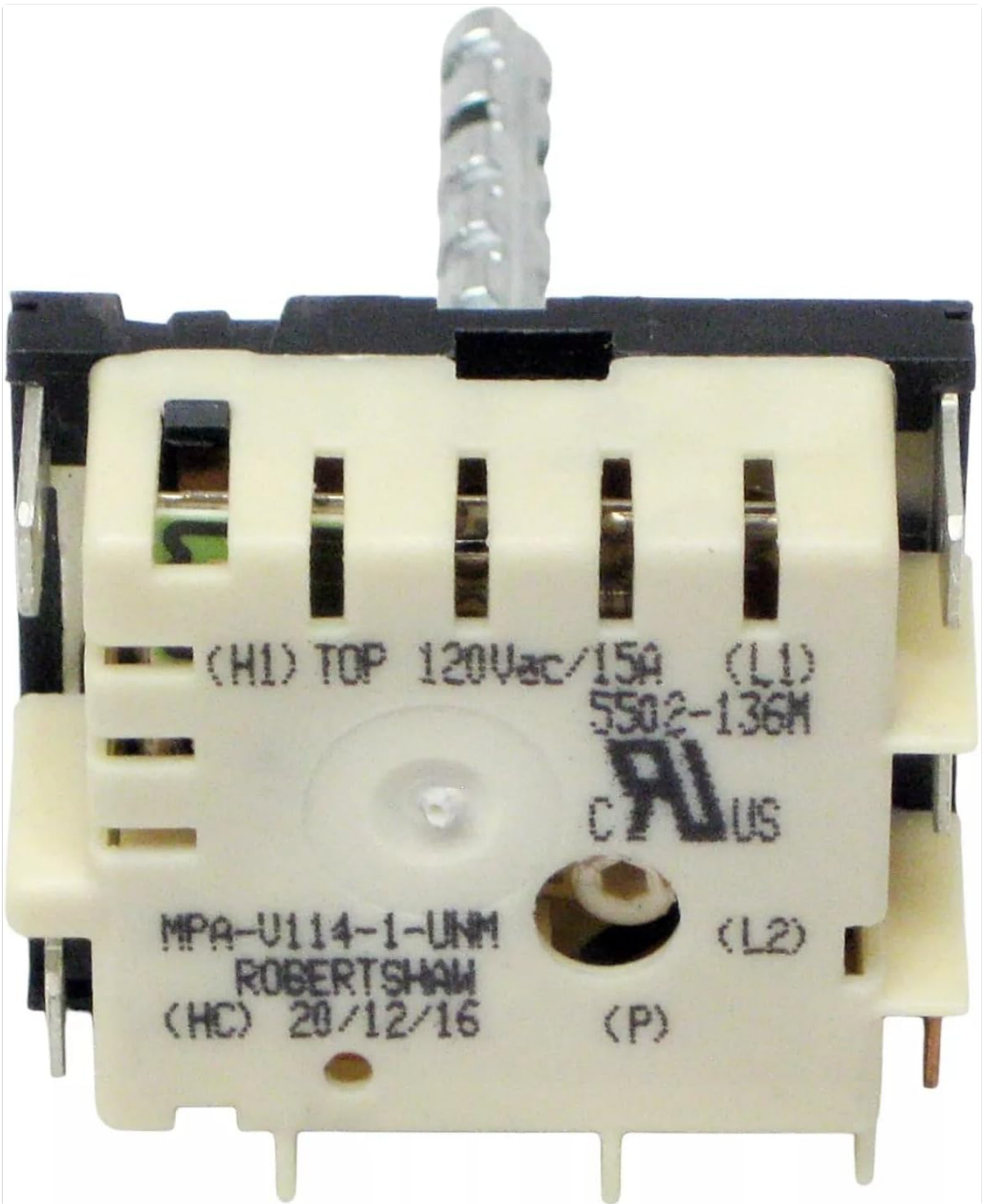


Figure 2: Front view of the Infinite Switch Module.

Position the new 5500-135M infinite switch module in the appliance's control panel opening. Secure it using the provided mounting nut and bracket. Ensure the shaft is properly aligned.





Figure 3: Top view of the Infinite Switch Module with stem.

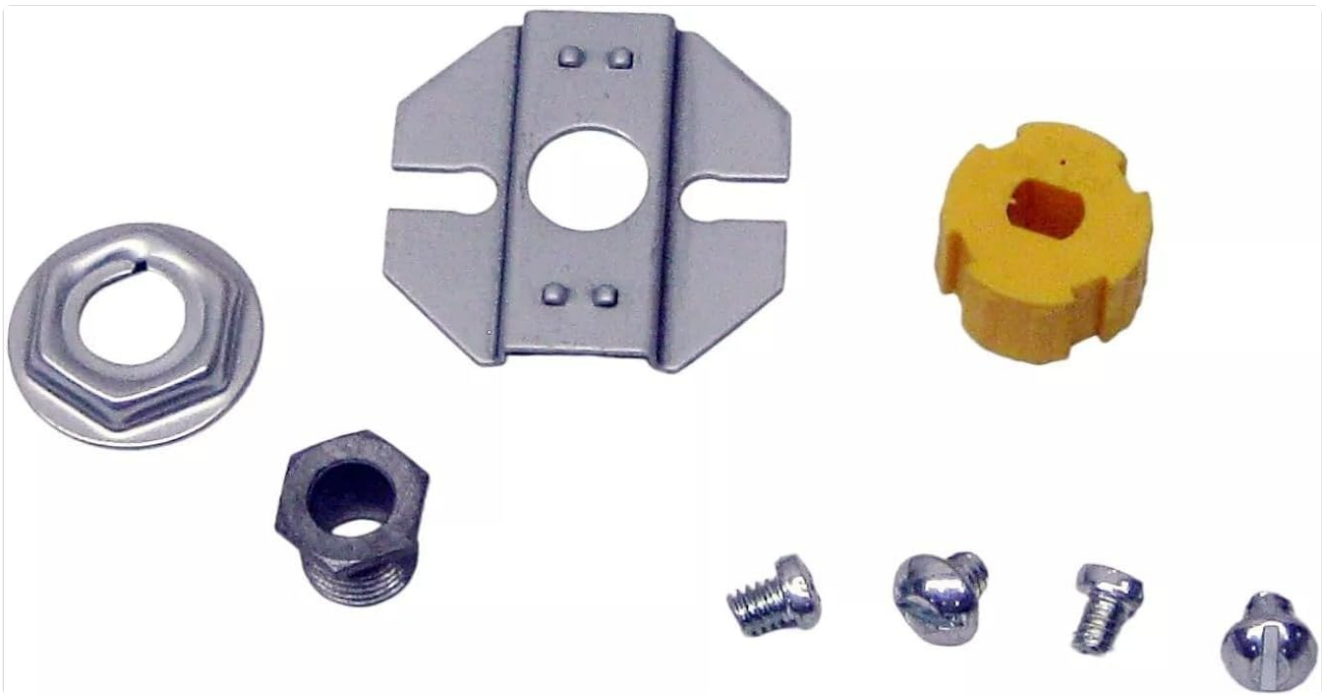


Figure 4: Mounting hardware components.

6. **Wire Connections:** Connect the wires to the new switch according to the documentation from step 3. Use the provided wiring harnesses if necessary. Ensure all connections are secure and properly insulated.



Figure 5: Control dial and wiring harnesses.

7. **Install Control Dial:** If applicable, attach the yellow shaft adapter to the switch stem, then push the control dial onto the stem until it is firmly seated and aligned with the control panel markings.
8. **Reassemble Appliance:** Replace any removed control panels or access covers.
9. **Restore Power:** Carefully restore power to the appliance at the circuit breaker or fuse box.

OPERATING INSTRUCTIONS

The 5500-135M infinite switch provides variable heat control for commercial cooking elements. Operation is straightforward:

1. **Power On:** Ensure the appliance is connected to a 120V AC power source and the main power is on.
2. **Adjust Heat:** Rotate the control dial to the desired heat setting. The dial typically ranges from 'LO' (low heat) to 'HI' (high heat), with intermediate numerical settings (e.g., 1-6).

3. **Monitor Heating:** Observe the heating element to ensure it is functioning as expected. The infinite switch continuously cycles power to the element to maintain the selected heat level.

4. **Power Off:** To turn off the heating element, rotate the control dial to the 'OFF' position.

Note: The specific temperature range controlled by the dial is dependent on the appliance's design and the heating element it controls. This switch has a maximum control temperature of 250 degrees Fahrenheit.

MAINTENANCE

The 5500-135M infinite switch is designed for durability and requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Power Disconnection:** Always disconnect power to the appliance before performing any maintenance.
- **Visual Inspection:** Periodically inspect the switch and its wiring for any signs of wear, damage, or loose connections. Look for discoloration, frayed wires, or corrosion.
- **Cleaning:** If the switch or surrounding area becomes dirty, gently wipe it with a dry, clean cloth. Do not use liquid cleaners directly on the switch.
- **Connection Check:** Ensure all electrical connections remain tight and secure.
- **Replacement:** If the switch shows signs of damage or malfunction, it should be replaced by a qualified technician.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with the infinite switch.

Problem	Possible Cause	Solution
Heating element does not turn on.	No power to appliance. Loose wiring connection. Defective heating element. Defective infinite switch.	Check circuit breaker/fuse. Inspect and secure all wiring connections (with power off). Test heating element for continuity. Test switch for continuity; replace if faulty.
Heating element stays on or does not turn off.	Defective infinite switch (contacts stuck closed).	Disconnect power immediately. Replace the infinite switch.
Inconsistent heat control.	Loose wiring. Partially defective switch.	Check and secure all wiring connections. Consider replacing the switch.

If troubleshooting steps do not resolve the issue, contact a qualified appliance technician for assistance.

SPECIFICATIONS

Key technical specifications for the quakadjs 5500-135M Infinite Switch Kit:

Feature	Detail
Product Type	Infinite Switch
Model Number	5500-135M
Input Voltage	120V AC
Compatible Brands	Robertshaw, Consolidated Communications, Uni-Line
OEM Replacement Part Numbers	23715, 5500-135, IK-104, INF-120-1152, INF-120-799, MPA-V114-1-UNM
Stem Length	2 inches
Dial Range	2 to 6 (typically LO to HI)
Maximum Control Temperature	250 Degrees F
Manufacturer	quakadjs
Item Weight	1 pound
Origin	Made in Mexico

WARRANTY INFORMATION

This product is sold as a replacement part. Specific warranty terms are typically provided by the seller or the original equipment manufacturer (OEM) of the appliance it is installed in. Please refer to your purchase documentation or contact the seller for details regarding any applicable warranty.

Protection plans may be available for purchase separately. For details on protection plans, please refer to the product listing where this item was acquired.

CUSTOMER SUPPORT

For technical assistance, questions regarding installation, or troubleshooting beyond the scope of this manual, please contact the seller or a qualified appliance repair professional.

When contacting support, please have the following information ready:

- Product Model Number: **5500-135M**
- Date of Purchase
- Description of the issue

