

UpStart Components CAP-97F9834-2PK-DL1347

UpStart Components Dual Round Run Capacitor Instruction Manual

Model: CAP-97F9834-2PK-DL1347

1. INTRODUCTION

This manual provides essential information for the safe handling, installation, and maintenance of your UpStart Components 35/5 MFD 370 Volt Dual Round Run Capacitor. This component is designed as a replacement part for various HVAC systems, including Rheem/Ruud uPNE-024JAZ units. A dual run capacitor is a single electrical component that combines two capacitors into one unit, typically used in air conditioning and heat pump systems to assist both the compressor and the fan motor in starting and running efficiently.

2. PRODUCT FEATURES

- Replacement Dual Round Run Capacitor for Rheem / Ruud uPNE-024JAZ.
- Specifications: 35/5 MFD, 370 Volt.
- Designed for use in a wide variety of applications to maintain optimum performance.
- Constructed with durable materials for reliable operation.

3. SAFETY INFORMATION

WARNING: Working on the motor with power connected may result in electrical shock or other conditions that may cause personal injury, death or property damage. Always disconnect power before servicing.

- Ensure all power to the unit is disconnected at the circuit breaker or fuse box before attempting any installation or inspection.
- Capacitors can store an electrical charge even after power is disconnected. Always discharge the capacitor safely before handling. Use a properly insulated screwdriver with an insulated handle to short the terminals, or use a resistor designed for capacitor discharge.
- Wear appropriate personal protective equipment (PPE), including insulated gloves and safety glasses.
- If you are not comfortable performing electrical work, consult a qualified HVAC technician.

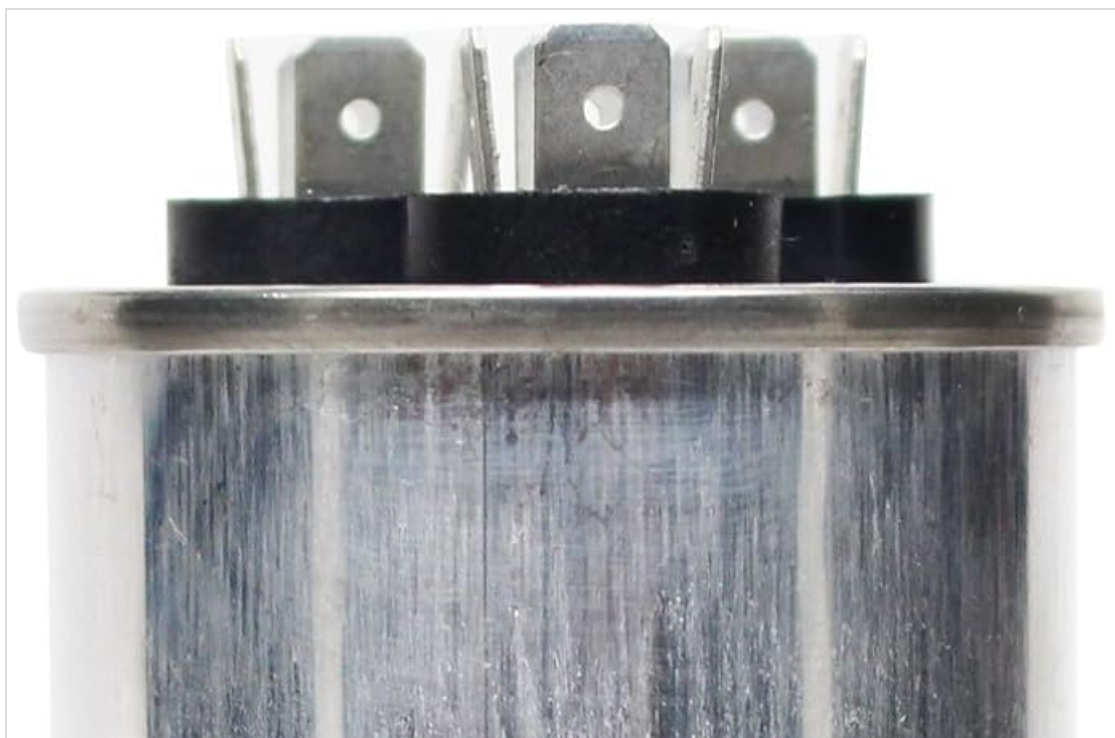
4. INSTALLATION GUIDELINES

This capacitor is a direct replacement for the specified models. Follow these general guidelines for replacement:

1. **Disconnect Power:** Turn off the power to the HVAC unit at the main breaker. Verify power is off using a voltage tester.
2. **Locate and Access:** Open the service panel of your HVAC unit to locate the existing capacitor.
3. **Discharge Capacitor:** Carefully discharge the old capacitor using a properly insulated tool. Touch the insulated screwdriver across the terminals to discharge any stored energy.
4. **Note Wiring:** Take a clear photograph or draw a diagram of the existing wiring connections to the capacitor terminals (Herm, Fan, C/Common).
5. **Remove Old Capacitor:** Disconnect the wires and remove the old capacitor from its mounting bracket.
6. **Install New Capacitor:** Place the new UpStart Components capacitor into the mounting bracket.
7. **Connect Wiring:** Reconnect the wires to the corresponding terminals on the new capacitor. Ensure connections are secure and match your diagram.
8. **Secure and Close:** Close the service panel and ensure all covers are properly secured.
9. **Restore Power:** Turn the power back on at the main breaker.
10. **Test Unit:** Test the HVAC unit to ensure proper operation.



Figure 1: UpStart Components Dual Round Run Capacitor with its packaging.



CAP-97F9834

Dual Round Run Capacitor



CBB65

370VAC

35/5 MFD $\pm 5\%$

50/60HZ

40/70/21 P2

UpStartComponents.com

Warning:



Working on the motor with power connected may result in electrical shock or other conditions that may cause personal injury, death or property damage.



MADE IN CHINA

Figure 2: Close-up view of the capacitor, highlighting the label with specifications.



Figure 3: Top view of the capacitor, showing the three terminals for connection.

5. OPERATING PRINCIPLES

Once installed, the dual run capacitor operates by providing the necessary phase shift and starting torque for both the compressor and the fan motor in your HVAC system. It stores electrical energy and releases it to help start the motors and then maintains a consistent voltage to keep them running efficiently. Proper operation is largely automatic once correctly installed within the electrical circuit of the appliance.

6. MAINTENANCE AND INSPECTION

Capacitors are critical components that can degrade over time. Regular inspection can help identify potential issues before they lead to system failure. It is recommended to inspect the capacitor annually, or if your HVAC system exhibits signs of motor starting issues.

- **Visual Inspection:** Look for signs of physical damage such as bulging at the top or bottom, leaking oil, or corrosion around the terminals. These are clear indicators of a failing capacitor.
- **Continuity Check:** If you have a multimeter with a capacitance testing function, you can test the capacitance (MFD) across the terminals. Ensure the power is disconnected and the capacitor is discharged before testing. Compare the readings to the capacitor's rated values (35 MFD for Herm/C and 5 MFD for Fan/C).
- **Cleanliness:** Keep the area around the capacitor clean and free of dust or debris, which can contribute to overheating.

Replace your capacitor if it is bulging, leaking, or if there is no continuity across the terminals, or if capacitance readings are significantly outside the rated tolerance.

7. TROUBLESHOOTING COMMON ISSUES

A failing or failed capacitor can cause various symptoms in an HVAC system. If you experience any of the following, consider inspecting or replacing the capacitor:

- **Motor Not Starting:** The fan or compressor motor hums but does not start. This is a classic sign of a bad start or run capacitor.
- **Slow Motor Start-up:** Motors take longer than usual to reach full operating speed.
- **Intermittent Operation:** The unit cycles on and off frequently, or struggles to maintain consistent operation.
- **Reduced Efficiency:** The system may run longer to achieve desired temperatures, leading to higher energy consumption.
- **Overheating:** Motors may overheat due to struggling to start or run without proper capacitance.

Always ensure power is disconnected and the capacitor is discharged before any troubleshooting or replacement attempts.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	UpStart Components
Part Number	CAP-97F9834-2PK-DL1347
Capacitance (MFD)	35/5 MFD
Operating Voltage	370 Volts
Shape	Round
Material	Copper
Product Dimensions	2 x 4 x 4.68 inches
Compatible with	Rheem / Ruud uPNE-024JAZ

9. IMPORTANT CONSIDERATIONS FOR CAPACITOR REPLACEMENT

- The **voltage** rating of the replacement capacitor should be higher than or equal to, but never lower than, the original capacitor.
- The **capacitance (uF, MFD)** should precisely match the original capacitor's rating.
- The **Hz (Hertz)** rating should match the original capacitor.
- The **terminal type** should match the original capacitor for proper connection.
- Consider the **size and shape** only when the space within the application is limited to ensure proper fit.

10. WARRANTY AND SUPPORT

For specific warranty information regarding your UpStart Components Dual Round Run Capacitor, please refer to the documentation provided at the time of purchase or contact the seller directly. UpStart Components is committed to providing quality replacement parts.

For technical support or inquiries, please contact the seller or manufacturer through their official channels. Always provide your product model number (CAP-97F9834-2PK-DL1347) and purchase details when seeking assistance.

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

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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