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Whirlpool 2315539

Whirlpool 2315539 Evaporator Motor Instruction Manual

Essential guide for installation, operation, and maintenance.

Product Overview

The Whirlpool 2315539 Evaporator Motor is a genuine replacement part designed for specific refrigerator models. This motor is crucial for the proper circulation of cold air within the freezer and fresh food compartments, ensuring optimal cooling performance and preventing ice buildup on the evaporator coils.



This image displays the Whirlpool 2315539 Evaporator Motor, a compact electrical component with a central shaft and two connecting wires, designed for refrigerator cooling systems.

Compatible Models

This evaporator motor is compatible with various refrigerator models, including but not limited to:

- Maytag A8RXCGFXS00
- Maytag A8RXCGFXW00
- Whirlpool ER9FHKXVB00
- Whirlpool ER9FHKXVB01
- Whirlpool ER9FHKXVQ00
- Whirlpool ER9FHKXVQ01
- Whirlpool ER9FHKXVS00
- Whirlpool ER9FHKXVS01
- Whirlpool ET1CHEXVB00

- Whirlpool ET1CHEXVB01

Important Safety Information

- Always disconnect power to the appliance before attempting any installation or repair.
- Wear appropriate personal protective equipment, such as gloves, to prevent injury.
- If you are unsure about any step of the installation process, it is recommended to seek assistance from a qualified appliance technician.
- Handle the motor and other components with care to avoid damage.

Installation Guide

Installing the evaporator motor requires basic tools and careful attention. It is recommended to consult a qualified technician if you are not comfortable performing the installation yourself.

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet or turn off the circuit breaker supplying power to the unit.
2. **Access Evaporator Cover:** Locate the evaporator cover, typically found at the back of the freezer compartment. You may need to remove shelves, ice maker components, or other obstructions to gain access.
3. **Remove Evaporator Cover:** Carefully remove the screws or clips holding the evaporator cover in place. Some models may require a 1/4-inch nut driver for the bolts.
4. **Disconnect Old Motor:** Once the cover is off, locate the old evaporator motor. Disconnect its electrical wiring harness.
5. **Remove Old Motor:** Unscrew the mounting bolts (usually four) that secure the motor to its bracket. Carefully remove the old motor.
6. **Transfer Components:** Transfer any rubber grommets or mounting hardware from the old motor to the new one, ensuring they are properly seated.
7. **Install New Motor:** Position the new evaporator motor and secure it with the mounting bolts. Ensure it is firmly in place.
8. **Reconnect Wiring:** Connect the electrical wiring harness to the new motor, ensuring a secure connection.
9. **Replace Cover:** Reinstall the evaporator cover, ensuring all screws or clips are tightened. Reinstall any removed shelves or ice maker components.
10. **Restore Power:** Plug the refrigerator back into the electrical outlet or turn on the circuit breaker.
11. **Verify Operation:** Listen for the fan motor operating and check for proper air circulation within the refrigerator and freezer compartments.

Operating Principles

The evaporator motor drives the fan that circulates air over the evaporator coils. These coils contain refrigerant that absorbs heat from the air inside the refrigerator and freezer. The fan then distributes the cooled air throughout the compartments, maintaining the desired low temperatures. A properly functioning evaporator motor is essential for efficient cooling, uniform temperature distribution, and preventing excessive ice buildup on the coils.

Maintenance

Regular maintenance can help ensure the longevity and efficient operation of your refrigerator and its components, including the evaporator motor.

- **Keep Vents Clear:** Ensure that the air vents inside the freezer and refrigerator compartments are not blocked by

food items, as this can impede air circulation and strain the motor.

- **Monitor for Unusual Noises:** Pay attention to any new or unusual noises coming from the freezer compartment. A failing motor may produce grinding, squealing, or excessive humming sounds.
- **Defrost if Necessary:** If excessive ice buildup occurs on the evaporator coils, manually defrosting the freezer can help clear obstructions and allow the fan to operate more efficiently.
- **Clean Condenser Coils:** While not directly related to the evaporator motor, keeping the condenser coils clean (usually located at the back or bottom of the refrigerator) improves overall cooling efficiency, reducing the workload on all refrigeration components.

Troubleshooting Common Issues

Issue	Possible Cause	Solution
Refrigerator not cooling sufficiently, but freezer is cold.	Failed or weak evaporator fan motor.	Inspect the evaporator fan motor for operation. If it's not spinning or is weak, replace it.
Excessive ice buildup on evaporator coils.	Evaporator fan not circulating air properly.	Check if the fan motor is running. Ensure air vents are not blocked. If the motor is faulty, replace it.
Unusual noises (e.g., grinding, squealing) from freezer compartment.	Worn or failing evaporator motor bearings or fan blade obstruction.	Inspect the motor and fan blade for any obstructions or damage. If the motor is making excessive noise, replacement is recommended.

Product Specifications

Feature	Detail
Brand	Whirlpool
Model Name	2315539
Voltage	120 Volts
Item Weight	0.8 Pounds (approx. 12.8 ounces)
Product Dimensions	5.7 x 4.8 x 4.3 inches
Part Number	2315539
UPC	048172025315, 717449092052

Warranty Information

Specific warranty details for the Whirlpool 2315539 Evaporator Motor are not provided within this manual. Please refer to the original product packaging, the Whirlpool official website, or contact your retailer for comprehensive warranty terms and conditions.

Customer Support

For further assistance, technical support, or to inquire about replacement parts, please contact Whirlpool Customer Service. You can find contact information on the official Whirlpool website (www.whirlpool.com) or through your product's

original documentation.

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