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› [UpStart Components](#) /

› UpStart Components WR60X10141 Evaporator Fan Motor Replacement Manual

UpStart Components AP-WR60X10141-DL523

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Model: AP-WR60X10141-DL523

PRODUCT OVERVIEW

This manual provides essential information for the installation, maintenance, and troubleshooting of the UpStart Components WR60X10141 Evaporator Fan Motor. This motor is designed as a replacement part for various General Electric refrigerator models, including the GTH18HCC2RWW, and is compatible with the WR60X23584 fan motor. The WR60X10141 Evaporator Fan Motor is a critical component in your refrigerator's cooling system, responsible for circulating air over the evaporator coils to remove heat and maintain optimal temperatures within the appliance.

SAFETY INFORMATION

Before beginning any installation or maintenance, always prioritize safety. Failure to follow these instructions could result in electric shock, injury, or damage to the appliance.

- **Disconnect Power:** Always unplug the refrigerator from the power outlet before attempting any repairs or replacements.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and safety glasses, to prevent injury.
- **Handle with Care:** Components may have sharp edges or delicate parts. Handle the motor and surrounding refrigerator parts carefully.
- **Professional Assistance:** If you are unsure about any step, consult a qualified appliance repair technician.

SETUP AND INSTALLATION

This section outlines the general steps for replacing the evaporator fan motor. Specific steps may vary slightly depending on your refrigerator model. Refer to your refrigerator's service manual for detailed instructions if available.

1. Prepare the Refrigerator:

- Unplug the refrigerator from the wall outlet.
- Empty the freezer compartment of all food items and shelves.
- Locate the evaporator cover, typically at the back of the freezer compartment.

2. Access the Evaporator Fan:

- Remove any screws or clips securing the evaporator cover. Carefully detach the cover.
- You will now see the evaporator coils and the fan motor assembly.

3. Disconnect the Old Motor:

- Carefully disconnect the wiring harness from the old fan motor.
- Remove any mounting screws or brackets holding the old motor in place.
- Detach the fan blade from the motor shaft. Note its orientation for reinstallation.
- Remove the old motor.

4. Install the New Motor:

- Attach the fan blade to the shaft of the new UpStart Components WR60X10141 motor, ensuring it is oriented correctly.
- Mount the new motor into position using the original screws or brackets.
- Connect the wiring harness to the new motor, ensuring a secure connection.

5. Reassemble and Test:

- Replace the evaporator cover, securing it with its screws or clips.
- Plug the refrigerator back into the power outlet.
- Listen for the fan motor to operate. Allow the refrigerator to run for a few hours to confirm proper cooling.



Image: Front view of the UpStart Components WR60X10141 Evaporator Fan Motor, showing the main body and the attached electrical

connector.



Image: Top view of the UpStart Components WR60X10141 Evaporator Fan Motor, highlighting the motor shaft where the fan blade attaches.

OPERATING PRINCIPLES

The evaporator fan motor operates in conjunction with the refrigerator's compressor and evaporator coils. Its primary function is to draw air across the cold evaporator coils, which absorb heat from the refrigerator's interior. This cooled air is then circulated throughout the freezer and fresh food compartments, maintaining the desired temperature for food preservation.

The motor typically runs when the compressor is active and when the thermostat calls for cooling. A properly functioning evaporator fan ensures efficient heat exchange and prevents ice buildup on the evaporator coils by distributing air evenly.

MAINTENANCE

The UpStart Components WR60X10141 Evaporator Fan Motor is designed for durability and typically requires minimal maintenance once installed. However, periodic checks can help ensure its longevity and optimal performance.

- **Clean Fan Blades:** Over time, dust and debris can accumulate on the fan blades, reducing airflow efficiency. If accessible, periodically clean the fan blades with a soft brush or cloth after disconnecting power to the refrigerator.
- **Check for Obstructions:** Ensure that no items in the freezer compartment are obstructing the fan's operation or airflow.
- **Listen for Unusual Noises:** Pay attention to any new or unusual noises coming from the freezer area, which could

indicate a problem with the fan motor or its bearings.

TROUBLESHOOTING

If your refrigerator is experiencing cooling issues or unusual noises, the evaporator fan motor might be a contributing factor. Here are some common symptoms and potential solutions:

Symptom	Possible Cause	Solution
Refrigerator not cooling properly (freezer warm)	Evaporator fan motor not running or running slowly.	Check if the motor is receiving power. Inspect the fan blade for obstructions. If the motor is faulty, replace it.
Loud buzzing or grinding noise from freezer	Worn motor bearings or fan blade hitting an obstruction.	Disconnect power and inspect the fan blade for ice buildup or obstructions. If the noise persists and is from the motor itself, replacement may be necessary.
Excessive frost buildup in freezer	Fan not circulating air, leading to poor defrosting.	Verify the fan motor is operating correctly. Check other defrost system components (defrost heater, thermostat, timer).

Note: Always disconnect power to the refrigerator before performing any inspection or repair.

SPECIFICATIONS

The UpStart Components WR60X10141 Evaporator Fan Motor is engineered to meet or exceed the specifications of the original equipment manufacturer (OEM) part.

- **Part Number:** AP-WR60X10141-DL523 (Replacement for WR60X10141, WR60X23584, AP5955766, WR60X10346, PS10063450, WR60X10045, WR60X10046, WR60X10072, WR60X10138)
- **Material:** Evaporator (referring to its function within the evaporator assembly)
- **Compatibility:** Designed for General Electric GTH18HCC2RWW and other compatible GE refrigerator models.
- **Manufacturer:** UpStart Components
- **ASIN:** B07S2FW9RG



Components



115V 60HZ 3.00W



Image: The UpStart Components WR60X10141 Evaporator Fan Motor as packaged, showing the brand logo.

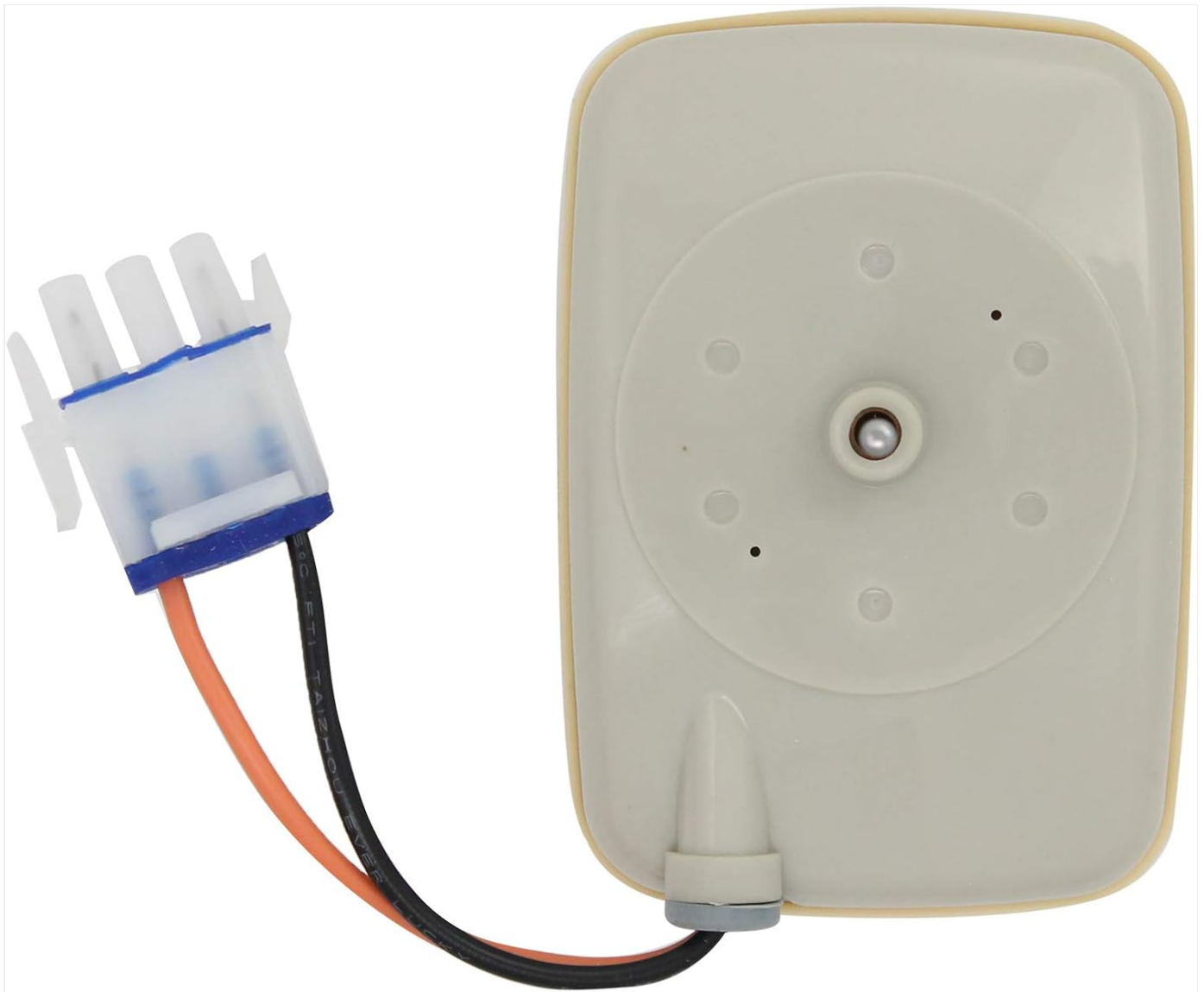


Image: Rear view of the UpStart Components WR60X10141 Evaporator Fan Motor, showing the mounting points and wire exit.

WARRANTY AND SUPPORT

This UpStart Components product is covered by a warranty provided solely by UpStart Components. For specific warranty terms, conditions, and duration, please refer to the documentation included with your purchase or contact UpStart Components directly.

For technical support, installation assistance, or warranty claims, please contact UpStart Components customer service. Contact information can typically be found on the product packaging or the official UpStart Components website.

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