

[Manuals.plus](#) /

› [UpStart Components](#) /

› UpStart Components 215846602 Defrost Timer Replacement for Kenmore/Sears Refrigerators - Instruction Manual

UpStart Components 215846602

UpStart Components 215846602 Defrost Timer Replacement

Instruction Manual for Kenmore/Sears Refrigerators

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your UpStart Components 215846602 Defrost Timer. This replacement part is designed for compatibility with various refrigerator models, including Kenmore/Sears 2539366014. Please read these instructions thoroughly before proceeding with installation or any maintenance.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power before servicing.

- Always disconnect the refrigerator from its power source before attempting any installation, repair, or maintenance.
- If you are unfamiliar with appliance repair procedures, it is recommended to consult a qualified technician.
- Wear appropriate personal protective equipment, such as gloves and safety glasses.
- Ensure all connections are secure and correct before restoring power.

PRODUCT OVERVIEW

The UpStart Components 215846602 Defrost Timer is a critical component in your refrigerator's defrost system. It controls the defrost cycle, preventing excessive ice buildup on the evaporator coils, which helps maintain cooling efficiency and extends the life of your appliance. This timer is a direct replacement for the original part.



Components



Image 1: Front view of two UpStart Components 215846602 Defrost Timers. Each timer is white, rectangular, with four copper pins protruding from the bottom. Specifications are printed on the front, including 'PART NO. 215846602', '120V 60Hz', and '10A NON-IND 1/3hp'.



Image 2: Angled view of a single UpStart Components 215846602 Defrost Timer, showing the front face with printed specifications and the four copper pins clearly visible at the bottom.

SETUP AND INSTALLATION

This section outlines the general steps for replacing a refrigerator defrost timer. Specific locations and procedures may vary slightly depending on your refrigerator model. Always refer to your appliance's service manual if available.

Tools Required:

- Screwdriver (Phillips and/or flathead, depending on your refrigerator)
- Pliers (optional, for stubborn connectors)
- Multimeter (optional, for testing components)

Installation Steps:

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet or turn off the circuit breaker supplying power to the refrigerator. This is a critical safety step.
2. **Locate the Defrost Timer:** The defrost timer is typically located in one of several places:
 - Behind the kick plate at the bottom front of the refrigerator.
 - Inside the control panel, usually at the top of the fresh food compartment.
 - Behind the back panel of the refrigerator.

You may need to remove screws or panels to access it.

3. **Identify Wiring:** Before disconnecting the old timer, carefully note the position and color of each wire connected to it. Taking a photograph can be very helpful. The timer typically has four terminals (labeled 1, 2, 3, 4).
4. **Remove Old Timer:** Disconnect the wires from the old timer. You may need to gently pry them off or use pliers. Remove any mounting screws or clips holding the timer in place.
5. **Install New Timer:** Position the new UpStart Components 215846602 Defrost Timer in the same location as the old one. Secure it with the original screws or clips.
6. **Connect Wiring:** Connect the wires to the new timer's terminals, ensuring they match the positions you noted from the old timer. Refer to your photograph if necessary. The terminals are typically numbered on the timer itself.
7. **Reassemble:** Replace any panels or covers that were removed to access the timer. Ensure all components are securely fastened.
8. **Restore Power:** Plug the refrigerator back into the wall outlet or turn on the circuit breaker.
9. **Verify Operation:** Monitor the refrigerator for a few hours to ensure it is cooling properly and that the defrost cycle is functioning as expected.



Image 3: Side view of the defrost timer, highlighting the back casing which may contain manufacturing codes or date stamps like '12MAR19B'.



Image 4: Angled view of the defrost timer, showing the back casing and the four copper electrical pins extending from the bottom.

OPERATING PRINCIPLES

The 215846602 Defrost Timer operates automatically to manage the defrost cycle of your refrigerator. It typically runs for a set period (e.g., 6-8 hours) during which the compressor cools the refrigerator. After this period, the timer switches to a defrost mode, activating a defrost heater for a shorter duration (e.g., 20-30 minutes) to melt any ice on the evaporator coils. Once the defrost cycle is complete, the timer switches back to cooling mode. This cycle repeats continuously to maintain optimal refrigerator performance.

MAINTENANCE

The defrost timer itself is a sealed unit and generally does not require user maintenance. However, ensuring the overall health of your refrigerator can prolong the life of all its components, including the defrost timer.

- **Keep Coils Clean:** Regularly clean the condenser coils (usually located at the back or underneath the refrigerator) to ensure efficient cooling.

- **Check Door Seals:** Ensure refrigerator and freezer door seals are intact and sealing properly to prevent warm air from entering, which can lead to excessive frost buildup.
- **Avoid Overloading:** Do not overload the refrigerator, as this can restrict airflow and impact cooling efficiency.

TROUBLESHOOTING

If your refrigerator is experiencing issues related to defrosting or cooling, the defrost timer could be a contributing factor. Here are some common symptoms and potential solutions:

- **Excessive Frost Buildup in Freezer:** This is a primary indicator of a defrost system malfunction. The timer may not be advancing to the defrost cycle, or the defrost heater/thermostat may be faulty.
- **Refrigerator Not Cooling (but Freezer is):** If the evaporator coils are completely covered in ice due to a failed defrost cycle, airflow to the refrigerator compartment can be blocked, leading to poor cooling.
- **Refrigerator Runs Constantly:** A faulty defrost timer might prevent the refrigerator from entering the defrost cycle, causing the compressor to run continuously to try and overcome the ice buildup.

Note: Diagnosing a faulty defrost timer often requires testing with a multimeter or manually advancing the timer. If you suspect the timer is faulty, replacement is usually the solution.

SPECIFICATIONS

Part Number	215846602
Brand	UpStart Components
Voltage	120V
Frequency	60Hz
Amperage	10A Non-Inductive
Horsepower	1/3hp
Defrost Time	30 minutes (RHR)
Compatible Part Numbers	AP2111929, 00624728, 00626234, 00628510, 00628518, 0628510, 08000559, 08006054, 08950148, 12762, 187484D, 187484F, 240371001, 241621501, 3203657, 5300628518, 5301090474, 5303203657, 5303211155, 5303211680, 5303270622, 5303275811, 5303321133, 5303321915, 5304457327, 5308006054, 5308006992, 604-73086, 628518, 8000559

WARRANTY AND SUPPORT

This product is an UpStart Components Brand replacement part. Any warranties for this product are offered solely by UpStart Components. This product is not affiliated with any original equipment manufacturer (OEM) brands and is not covered under any warranties offered by the original manufacturers. For warranty claims or technical support, please contact UpStart Components directly through their official channels.

