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Samsung DA47-00095e

SAMSUNG Fridge Freezer Thermal Fuse DA47-00095e Instruction Manual

INTRODUCTION

This manual provides essential information for the installation, function, and troubleshooting of the SAMSUNG Fridge Freezer Thermal Fuse, model DA47-00095e. This component is crucial for the safe and efficient operation of your refrigerator's defrost system.

COMPATIBILITY

The SAMSUNG Fridge Freezer Thermal Fuse DA47-00095e is suitable for various Samsung refrigerator and freezer models, including but not limited to:

- RS21DCNS
- RS21NCNS
- SRL628EV
- SRS2028CSS
- RS21DCSV
- RS21WGSV
- SRL629EV
- SRS2028CVW
- RS21FCNS
- SRL3616B
- SRS2028C
- SRS2029CVW
- RS21NCMS

Always verify compatibility with your specific appliance model before installation.

SAFETY INFORMATION

WARNING: Before attempting any installation, repair, or maintenance on your refrigerator or freezer, always disconnect the appliance from the main power supply. Failure to do so can result in electric shock, personal injury, or death. If you are unsure about any step, consult a qualified technician.

- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Ensure the work area is well-lit and clear of obstructions.
- Handle electrical components with care.

INSTALLATION (REPLACEMENT)

The thermal fuse is a safety device designed to prevent overheating in the defrost heater circuit. Its replacement typically involves accessing the evaporator coil compartment.

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access Evaporator Compartment:** Depending on your model, this may involve removing shelves, ice maker components, and the rear panel inside the freezer compartment. Refer to your specific refrigerator's service manual for exact panel removal instructions.
3. **Locate the Thermal Fuse:** The thermal fuse is typically a small, cylindrical component connected in series with the defrost heater, often secured with clips or tape near the evaporator coil. It may be encased in a plastic sleeve or foam.
4. **Disconnect Old Fuse:** Carefully disconnect the wires leading to the old thermal fuse. Note the orientation and connection points.
5. **Install New Fuse:** Connect the new SAMSUNG Thermal Fuse DA47-00095e in the same manner as the old one. Ensure connections are secure.
6. **Reassemble:** Reinstall any removed panels, ice maker components, and shelves.
7. **Restore Power:** Plug the refrigerator back into the wall outlet or turn on the circuit breaker.
8. **Test Operation:** Monitor the refrigerator's performance to ensure proper cooling and defrost cycles.



Image: The SAMSUNG Frigidaire Thermal Fuse, model DA47-00095e. This component is a small, cylindrical device with electrical leads, designed to interrupt the defrost heater circuit if temperatures become too high.

FUNCTION AND OPERATION

The thermal fuse DA47-00095e is a non-resettable safety device. Its primary function is to protect the refrigerator from overheating by cutting power to the defrost heater if the temperature around the evaporator coil exceeds a safe limit. This prevents potential damage to the appliance and reduces fire risk. It operates automatically based on temperature thresholds and does not require user interaction for its function.

MAINTENANCE

The thermal fuse itself is a sealed component and does not require routine maintenance. If it fails, it must be replaced. To prolong the life of your refrigeration system and its components, including the thermal fuse, ensure:

- The refrigerator door seals are intact and functioning correctly to prevent excessive frost buildup.
- The condenser coils are cleaned periodically to ensure efficient cooling and prevent the defrost system from overworking.
- The defrost timer or control board is functioning correctly, initiating defrost cycles as needed.

TROUBLESHOOTING

A failed thermal fuse is a common cause for a refrigerator or freezer not defrosting properly, leading to excessive ice buildup on the evaporator coils. This can result in poor cooling in the fresh food compartment.

Symptoms of a Failed Thermal Fuse:

- Excessive frost or ice buildup on the freezer's back wall or evaporator coils.
- Refrigerator compartment not cooling adequately, while the freezer might still be cold.
- The defrost heater does not activate during the defrost cycle.

Testing the Thermal Fuse:

With the power disconnected, the thermal fuse can be tested for continuity using a multimeter. A functioning thermal fuse should show continuity (a reading of 0 ohms or a beep). If the multimeter shows no continuity (open circuit or infinite resistance), the fuse has blown and needs replacement.

If the thermal fuse has failed, it is recommended to investigate the root cause, such as a faulty defrost heater or defrost thermostat, to prevent recurring issues.

SPECIFICATIONS

Feature	Detail
Part Number	DA47-00095e
Manufacturer	Samsung
Product Dimensions	7.62 x 2.03 x 8.13 cm
Item Weight	18.1 g
Material	Bronze (Note: This might refer to internal components or connectors, not the primary casing)
Item Model Number	00095e

WARRANTY AND SUPPORT

For specific warranty information regarding the SAMSUNG Fridge Freezer Thermal Fuse DA47-00095e, please refer to the documentation provided with your original appliance or contact Samsung customer support directly. Support resources, including service manuals and contact information, can typically be found on the official Samsung website for your region.

Samsung Customer Support: www.samsung.com/support/ (Please select your country/region for localized support.)

