

## Suburban SF-35VHFQ

# Suburban SF Series Ducted Low Profile Furnace SF-35VHFQ (Model 2587A) User Manual

Model: SF-35VHFQ | Item Model Number: 2587A

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Suburban SF Series Ducted Low Profile Furnace, model SF-35VHFQ. Please read this manual thoroughly before attempting to install, operate, or service the unit.

The Suburban SF Series furnace is designed for recreational vehicle (RV) heating applications, offering a compact and efficient heating solution. It features a direct spark ignition system and sealed, forced-draft combustion for reliable performance.

## 2. SAFETY INFORMATION

**WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.**

- Ensure all gas and electrical connections are made by a qualified technician in accordance with local codes and manufacturer instructions.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Never obstruct the air intake or exhaust vents of the furnace.
- Always turn off the gas supply and disconnect electrical power before performing any maintenance or service.
- Install a carbon monoxide detector in your RV.

## 3. SETUP AND INSTALLATION

The Suburban SF Series Ducted Low Profile Furnace offers versatile installation options due to its design.

# Furnace Series SF-35VHFQ

## Features /////

- ☑ **Does not require exterior access door, interior access for service, exterior vent cap is included**
  - ☑ **Allows for furnace installations in either vertical or horizontal orientation**
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*Image 3.1: This image illustrates key features of the Suburban SF Series furnace, emphasizing its capability for installation in either vertical or horizontal orientations. It also notes that the unit does not require an exterior access door, with interior access provided for service, and an exterior vent cap is included.*

- **Orientation:** The furnace can be installed in either a vertical or horizontal orientation, providing flexibility for various RV layouts.
- **Access:** This model does not require an exterior access door. Service access is provided from the interior of the RV. An exterior vent cap is included for proper exhaust.
- **Thermostat:** An interior mounted wall thermostat is required for furnace operation. This component is available separately and must be connected according to the thermostat manufacturer's instructions and the furnace wiring diagram.
- **Ducting:** Ensure proper ducting is installed to distribute heated air effectively throughout the RV. Refer to the installation guide for specific ducting requirements and configurations.
- **Gas and Electrical Connections:** All gas and electrical connections must be performed by a certified professional. Verify that the LP gas supply pressure is within the specified range for optimal performance.



*Image 3.2: A detailed view of the Suburban SF Series Ducted Low Profile Furnace unit, showcasing its compact design and connection points for ducting and utilities.*

## 4. OPERATING INSTRUCTIONS

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Once the furnace is properly installed and all connections are verified, follow these steps for operation:

1. **Ensure Gas Supply:** Verify that the LP gas supply valve is open and there is sufficient gas in the tank.
2. **Power On:** Ensure the 12V DC power supply to the furnace is active.
3. **Set Thermostat:** Turn on your interior wall thermostat and set it to your desired temperature.
4. **Ignition Sequence:** The furnace will initiate its direct spark ignition sequence. You may hear the blower motor start, followed by a clicking sound as the igniter attempts to light the burner.
5. **Heat Output:** Once ignited, the burner will operate, and heated air will be distributed through the ducting system.
6. **Shut Down:** To turn off the furnace, lower the thermostat setting below the ambient temperature or switch the thermostat to the "Off" position. The furnace will complete a cool-down cycle before shutting down completely.



*Image 4.1: This image depicts an RV in a natural setting, illustrating the context for a low-profile ducted furnace with direct spark ignition, designed for comfortable travel.*

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your furnace. Always disconnect power and turn off the gas supply before performing any maintenance.

- **Clean Air Intake/Exhaust:** Periodically inspect and clean the exterior vent cap and ensure no obstructions are blocking the air intake or exhaust.
- **Blower Motor:** Check the blower motor for any unusual noises or vibrations. Keep the area around the blower free from dust and debris.
- **Burner Assembly:** Annually, have a qualified technician inspect the burner assembly, heat exchanger, and gas connections for proper operation and integrity.
- **Ductwork:** Inspect ductwork for leaks or damage that could reduce heating efficiency.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your furnace. For complex problems, contact a qualified service technician.

- **Furnace Does Not Start:**
  - Check if the thermostat is set above the ambient temperature.
  - Verify that the LP gas supply is open and the tank is not empty.
  - Ensure 12V DC power is supplied to the furnace.
  - Check for blown fuses in the RV's electrical panel.
- **No Heat Output:**
  - If the blower runs but no heat is produced, the burner may not be igniting. This could indicate a gas supply issue, igniter problem, or control board fault.
  - Ensure all vents and ducts are clear and unobstructed.
- **Unusual Noises:**
  - Squealing or grinding noises may indicate a problem with the blower motor.
  - Rattling could be loose components or ductwork.

## 7. SPECIFICATIONS

|                    |                           |
|--------------------|---------------------------|
| Model              | SF-35VHFQ                 |
| Item Model Number  | 2587A                     |
| Heating Capacity   | 35,000 BTU/h              |
| Fuel Type          | LP Gas                    |
| Ignition System    | Direct Spark Ignition     |
| Weight             | Approximately 30.3 pounds |
| Package Dimensions | 22.25 x 19.6 x 9 inches   |
| Manufacturer       | Suburban                  |

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# 30,000 BTU/h

*Image 7.1: This image displays a furnace component with a visible rating of 30,000 BTU/h. Note: The product title specifies 35,000 BTU/h for this model.*

## 8. WARRANTY INFORMATION

The Suburban SF Series Ducted Low Profile Furnace SF-35VHFQ (Model 2587A) is covered by **a2-Year Limited Warranty** from the date of purchase.

This warranty covers defects in materials and workmanship under normal use and service. It does not cover damage resulting from improper installation, misuse, abuse, accident, neglect, or unauthorized repair or alteration.

For specific warranty terms and conditions, please refer to the official warranty document included with your product or contact Suburban customer support.

## 9. CUSTOMER SUPPORT

If you require assistance with installation, operation, troubleshooting, or warranty claims, please contact Suburban customer support. Have your model number (SF-35VHFQ) and item model number (2587A) ready when you call. For the most current contact information, please visit the official Suburban website or refer to the documentation

provided with your furnace.

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This manual is for informational purposes only. Specifications are subject to change without notice.

## 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

Anonymous

### Email

you@example.com

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