



[Manuals.plus](#) /

› [Suburban](#) /

› Suburban SF-20VHQ 20,000 BTU/h LP Gas Furnace Model 2573A Instruction Manual

Suburban 2573A

Suburban SF-20VHQ 20,000 BTU/h LP Gas Furnace

INSTRUCTION MANUAL FOR MODEL 2573A

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Suburban SF-20VHQ Ducted Low Profile LP Gas Furnace, Model 2573A. This furnace is designed to provide reliable heating for recreational vehicles. Please read all instructions carefully before proceeding with installation or operation.

Furnace Series SF-20VHQ

Features // // // //

- ✓ **Requires installation with Suburban exterior access door**
- ✓ **Allows for furnace installations in either vertical or horizontal orientation**



 **Suburban**
An AIRXCEL Brand

Image 1: Overview of the Suburban SF-20VHQ furnace, highlighting its features such as requiring an exterior access door and allowing for vertical or horizontal installation.

The SF-20VHQ furnace features a versatile design, allowing for installation in either vertical or horizontal orientations. It is a low-profile, ducted furnace equipped with direct spark ignition and sealed, forced-draft combustion for efficient operation. This model delivers 20,000 BTU/h of heating capacity.



Image 2: Visual representation of the 20,000 BTU/h heating capacity of the LP Gas Furnace Model.

2. Safety Information

Your safety and the safety of others are paramount. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Read and understand all instructions thoroughly before installing or operating this appliance.

- **WARNING:** Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WARNING:** If you smell gas:
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your vehicle.
 - Clear the vehicle of all occupants.
 - Turn off the LP gas supply at the gas container or source.
 - Immediately call your gas supplier from outside the vehicle.
 - If you cannot reach your gas supplier, call the fire department.
- **WARNING:** Carbon Monoxide Hazard. This appliance can produce carbon monoxide which has no odor. Using it in an enclosed space can kill you. Never use this appliance in an enclosed space such

as a camper, tent, car, or home.

- Ensure adequate ventilation is always maintained.
- Only qualified service personnel should install, service, or repair this furnace.

3. Installation

Installation of the Suburban SF-20VHQ furnace requires adherence to local codes and regulations, as well as the manufacturer's instructions. Professional installation is highly recommended.

3.1 Pre-Installation Requirements

- The furnace requires installation with a Suburban #6258xxx exterior access door (sold separately) for outside service access.
- An interior mounted wall thermostat is required for furnace operation and is available separately.
- Ensure the installation location allows for proper ducting and clearance as specified in the detailed installation guide (provided with the product packaging).

3.2 Mounting and Orientation

The SF-20VHQ furnace is designed for versatile mounting and can be installed in either a vertical or horizontal orientation. Select an orientation that best suits your RV layout while ensuring proper airflow and access for maintenance.



Image 3: The low-profile design of the ducted furnace, featuring direct spark ignition.

3.3 Gas and Electrical Connections

- All gas connections must be made by a qualified technician and tested for leaks using a non-corrosive leak detection solution.
- Ensure electrical wiring conforms to all applicable codes and the furnace's wiring diagram.

4. Operation

Once properly installed, operating your Suburban SF-20VHQ furnace is straightforward using the wall thermostat.

4.1 Starting the Furnace

1. Ensure the LP gas supply is turned on at the tank.
2. Set the wall thermostat to the 'HEAT' mode.
3. Adjust the thermostat to a temperature setting higher than the current ambient temperature.
4. The furnace fan will start, followed by the direct spark ignition attempting to light the burner. Once lit, the burner will operate, and warm air will be distributed through the ducts.

4.2 Shutting Down the Furnace

1. Set the wall thermostat to the 'OFF' position or lower the temperature setting below the ambient temperature.
2. For extended periods of non-use, turn off the LP gas supply at the tank.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your furnace.

5.1 Routine Checks

- **Monthly:** Inspect the exterior vent for obstructions (e.g., dirt, debris, insect nests). Ensure it is clear for proper combustion air intake and exhaust.
- **Annually:** Have the furnace inspected and serviced by a qualified RV technician. This includes checking gas pressure, burner operation, heat exchanger integrity, and electrical connections.

5.2 Cleaning

- Keep the area around the furnace clear of combustible materials, gasoline, and other flammable liquids and vapors.
- Clean the return air filter (if applicable to your specific ducting setup) regularly to ensure optimal airflow.

6. Troubleshooting

Before contacting a service technician, perform these basic checks:

| Problem | Possible Cause | Solution |
|------------------------|-----------------------------------|--|
| Furnace does not start | No LP gas supply | Check LP gas tank level and ensure valve is open. |
| | Thermostat set too low or off | Adjust thermostat to 'HEAT' and set temperature above ambient. |
| | No electrical power | Check RV's 12V DC power supply and furnace fuse/breaker. |
| Fan runs, but no heat | Ignition failure | Ensure LP gas supply is adequate. If problem persists, contact a qualified technician. |
| Unusual noises | Obstruction in fan or motor issue | Turn off furnace immediately and contact a qualified technician. |

If these steps do not resolve the issue, or if you suspect a gas leak or carbon monoxide issue, immediately turn off the furnace and LP gas supply, evacuate the vehicle, and contact a qualified service technician or emergency services.

7. Specifications

| Feature | Detail |
|---------|--------|
|---------|--------|

| Feature | Detail |
|-------------------|--|
| Model | SF-20VHQ (2573A) |
| Brand | Suburban |
| Heating Capacity | 20,000 BTU/h |
| Fuel Type | LP Gas |
| Ignition Type | Direct Spark Ignition |
| Design | Ducted, Low Profile |
| Orientation | Vertical or Horizontal |
| Parcel Dimensions | 50.8 x 30.48 x 19.05 cm (20 x 12 x 7.5 inches) |
| Item Weight | 15.88 kg (35 lbs) |

8. Warranty and Support

The Suburban SF-20VHQ furnace comes with a **2-Year Limited Warranty**. For detailed warranty terms and conditions, please refer to the documentation included with your product or contact Suburban customer support.

For technical assistance, parts, or warranty claims, please contact Suburban customer service. Ensure you have your model number (2573A) and serial number available when contacting support.