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Suburban NT-40

Suburban NT-40 RV Furnace Instruction Manual

Model: NT-40 | Brand: Suburban

1. PRODUCT OVERVIEW

The Suburban NT-40 RV Furnace is designed to provide reliable heating for recreational vehicles. This ducted furnace operates on 12VDC and delivers 40,000 BTU of heat. It features electronic ignition and includes a vent assembly for proper exhaust. The unit is engineered for efficient performance and a low amp draw, making it an ideal replacement or new installation for maintaining a comfortable RV interior.

Key Features:

- Electronic ignition for reliable startup.
- Vent assembly included for exhaust.
- 40,000 BTU heating capacity.
- 12VDC operation with low amp draw.
- Duct Outlet Size: Sides 4 inches round.

2. WHAT'S IN THE BOX

- Suburban 2455A NT-40 Series Furnace - 40,000 BTU
- Vent Assembly
- Installation and Operation Manual

3. SETUP AND INSTALLATION

Installation of the Suburban NT-40 RV Furnace should be performed by a qualified service technician in accordance with the manufacturer's instructions and all applicable codes. Ensure the RV's electrical system is disconnected before beginning any installation work. Proper ventilation and gas line connections are critical for safe and efficient operation.



Image: The Suburban NT-40 RV Furnace unit. This image displays the compact design of the furnace, highlighting its external casing and connection points. It is ready for installation into an RV heating system.

The furnace is designed for ducted applications, requiring appropriate ductwork to distribute heated air throughout the RV. The vent assembly must be correctly installed to ensure proper exhaust of combustion gases to the outside. Refer to the detailed installation diagrams in the included manual for specific mounting and connection procedures.

4. OPERATING INSTRUCTIONS

The Suburban NT-40 Furnace is controlled by a wall thermostat (not included with the unit, but typically part of the RV's existing system). Ensure the thermostat is properly wired and configured for your furnace model. The electronic ignition system automatically lights the burner when heat is called for by the thermostat.

Thermostat Control (Example from related product video):

While the NT-40 typically uses an external thermostat, a related product video demonstrates a digital touchscreen controller with various settings. This type of controller allows for precise temperature adjustments and offers multiple operating modes to optimize comfort and energy consumption.

- **Temperature Adjustment:** Use '+' and '-' buttons to set the desired temperature.
- **Power Levels:** Some advanced controllers offer multiple power levels (e.g., 17,000 BTU, 25,000 BTU, 30,000 BTU, 35,000 BTU) for varied heating needs.

- **Operating Modes:** Common modes include:
 - **Rapid Mode:** For quick heating of the RV space.
 - **Standard Mode:** Provides comfortable heating for daily use.
 - **Sleep Mode:** Operates quietly (around 42 dB) to avoid disturbing sleep while maintaining warmth.

Your browser does not support the video tag.

Video: FOGATTI RV Furnace Operation. This video demonstrates the features and operation of a FOGATTI RV furnace, including its digital thermostat, various heating modes (Rapid, Standard, Sleep), and quiet operation. It highlights how the unit efficiently heats an RV interior, showcasing its user-friendly controls and benefits for travelers.

Always ensure adequate airflow around the furnace and through the ductwork for optimal performance. Regularly check the exhaust vent for any obstructions.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Suburban NT-40 RV Furnace. It is recommended to have the furnace inspected annually by a qualified service technician.

General Maintenance Tips:

- **Clean Air Intake and Exhaust Vents:** Ensure these are free from debris, insects, or other obstructions. Blocked vents can impair performance and pose safety risks.
- **Inspect Ductwork:** Check for any leaks, damage, or disconnections in the heating ducts.
- **Check Electrical Connections:** Verify that all electrical connections are secure and free from corrosion.
- **Gas Line Inspection:** Periodically check gas lines for leaks or damage. Use a leak detection solution (soapy water) on connections.
- **Burner and Heat Exchanger:** These components should only be inspected and cleaned by a qualified technician.

6. TROUBLESHOOTING

If your Suburban NT-40 RV Furnace is not operating correctly, refer to the following basic troubleshooting steps. For complex issues, contact a qualified RV service technician.

Common Issues and Solutions:

- **Furnace Not Starting:**
 - Check if the RV's 12VDC power supply is active.
 - Ensure the thermostat is set to a temperature higher than the ambient temperature.
 - Verify that the propane supply is open and the tanks are not empty.
 - Check for tripped circuit breakers or blown fuses.
- **Insufficient Heat:**
 - Ensure all RV windows and doors are closed.
 - Check for obstructions in the air intake or exhaust vents.
 - Inspect ductwork for leaks or blockages.
- **Unusual Noises:**
 - A rattling or squealing noise may indicate a loose component or a motor issue. Contact a technician.

- **Pilot Light/Burner Issues:**

- If the burner fails to ignite or stay lit, there might be an issue with the gas supply, igniter, or flame sensor. This requires professional diagnosis.

Always prioritize safety. If you smell gas, immediately shut off the propane supply, ventilate the RV, and do not operate any electrical devices or ignition sources. Seek professional assistance.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	Suburban
Brand	Suburban
Model Number	NT-40
Item Weight	40.2 pounds
Heating Method	Convection
BTU Output	40,000 BTU
Voltage	12VDC
Duct Outlet Size	Sides 4 inches round
Color	Grey
Finish Type	Brushed, Polished
ASIN	B0002F686S
Date First Available	June 15, 2004

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your Suburban NT-40 RV Furnace or visit the official Suburban manufacturing website. Keep your purchase receipt and product serial number readily available when contacting support.

It is recommended to register your product upon purchase to facilitate warranty claims and receive important product updates.