



[Manuals.plus](#) /

› [Crypticorps](#) /

› Camper Furnace Blower Motor Kit User Manual

Crypticorps 233042 233460 SF-35Q

Camper Furnace Blower Motor Kit User Manual

Brand: Crypticorps | Model: 233042 233460 SF-35Q

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Crypticorps Camper Furnace Blower Motor Kit. This kit is designed as a replacement for Suburban RV furnace models 233042, 233460, SF-35Q, SF-35FQ, SFV-35Q, and SFV-35FQ. Please read this manual thoroughly before attempting any installation or operation to ensure safe and correct usage.

SAFETY INFORMATION

Always prioritize safety when working with electrical components and gas appliances. Failure to follow these safety guidelines may result in property damage, serious injury, or death.

- **Disconnect Power:** Before beginning any installation or maintenance, ensure that all power to the RV furnace is disconnected at the circuit breaker or fuse box.
- **Gas Supply:** If working near gas lines, ensure the gas supply to the furnace is turned off.
- **Qualified Personnel:** If you are unsure about any step, consult a qualified RV technician.
- **Personal Protective Equipment:** Wear appropriate safety gear, such as gloves and eye protection.
- **Ventilation:** Ensure adequate ventilation if working in confined spaces.
- **Inspect Components:** Before installation, inspect all components for any signs of damage. Do not install damaged parts.

PRODUCT OVERVIEW AND COMPONENTS

The Crypticorps Camper Furnace Blower Motor Kit includes the following components:

- 12V DC Blower Motor (2400 RPM, 55W)
- Motor Shaft (3" x 5/16" x 2-7/8")
- Pre-attached Wires with Female Insulated Terminals
- Sponge Gasket
- Nuts and Washers for mounting

- Shims on motor housing (pre-installed)



Figure 1: Complete Blower Motor Kit. Shows the motor, attached red and black wires with blue terminals, a black sponge gasket, and a set of nuts and washers.



Figure 2: Close-up view of the motor shaft, highlighting its hexagonal end for secure fan attachment.



Figure 3: Detailed view of the motor's mounting bolts and the shaft, showing the sturdy construction and attachment points.

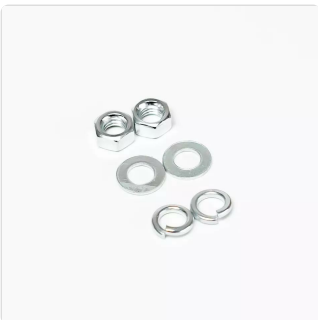


Figure 4: Included nuts and washers for securing the blower motor during installation.



Figure 5: The sponge gasket, designed to provide a seal and reduce vibration.

SPECIFICATIONS

Feature	Detail
Model Name	Camper Furnace Blower Motor Kit
Compatible Models	Suburban RV 233042, 233460, SF-35Q, SF-35FQ, SFV-35Q, SFV-35FQ
Voltage	12V DC
Power	55W
RPM	2400 RPM
Shaft Dimensions	3" x 5/16" x 2-7/8"
Mounting	2 mounting bolts on short shaft side
Wiring	2 wire with female insulated terminals
Manufacturer	Crypticorps
ASIN	B0DRVJ7NLL
UPC	768877127847

SETUP AND INSTALLATION

This section provides general guidelines for replacing a furnace blower motor. Specific steps may vary depending on your RV furnace model. Always refer to your RV's specific furnace manual for detailed instructions.

1. Preparation:

- Ensure the RV is powered off and the furnace gas supply is shut off.
- Gather necessary tools (e.g., screwdrivers, wrenches, wire strippers, electrical tape).
- Take photos of existing wiring and connections for reference.

2. Access the Furnace:

- Locate and open the access panel for your RV furnace.
- Carefully remove any ductwork or covers obstructing the blower motor.

3. Remove Old Motor:

- Disconnect the electrical wires from the old motor. Note their polarity (positive/negative).
- Unbolt or unfasten the old blower motor from its mounting bracket.
- Carefully remove the blower wheel(s) from the old motor shaft. These are typically secured with a set screw.

4. Install New Motor:

- Attach the blower wheel(s) to the shaft of the new Crypticorps motor. Ensure they are properly aligned and secured.
- Position the new motor in the furnace housing, aligning the mounting holes.
- Secure the motor using the provided nuts and washers. Ensure it is firmly mounted to prevent vibration.
- Apply the included sponge gasket as needed to ensure a proper seal and reduce noise/vibration.

5. Wire Connections:

- Connect the new motor's wires to the furnace's electrical system, matching the polarity observed during removal. The kit includes female insulated terminals for easy connection.
- Ensure all connections are secure and insulated.

6. Reassembly and Test:

- Reinstall any removed ductwork or covers.
- Restore power to the RV and turn on the furnace gas supply.
- Test the furnace operation. Listen for unusual noises and ensure proper airflow.

OPERATING INSTRUCTIONS

Once the Crypticorps Blower Motor Kit is correctly installed, the furnace should operate as designed. The blower motor is responsible for circulating air through the furnace heat exchanger and into the RV's ductwork.

- Upon activation of the furnace thermostat, the blower motor will typically start first, creating airflow.
- After sufficient airflow is established, the furnace igniter will activate, followed by the main burner.
- The blower motor will continue to run until the thermostat's set temperature is reached, or until the furnace cycles off.
- A brief period of blower operation after the burner shuts off is normal, as it helps dissipate residual heat from the heat exchanger.

MAINTENANCE

Proper maintenance can extend the life of your blower motor and ensure efficient furnace operation.

- **Regular Inspection:** Periodically inspect the blower motor and fan assembly for dust, debris, or signs of wear.
- **Cleaning:** If accessible, gently clean any accumulated dust from the blower wheel and motor housing. Ensure power is disconnected before cleaning.
- **Check Connections:** Annually, or if experiencing issues, check electrical connections to ensure they remain secure.
- **Listen for Noise:** Pay attention to any unusual noises during furnace operation, which could indicate a developing issue with the motor or fan.

TROUBLESHOOTING

If you encounter issues with your furnace after installing the new blower motor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Motor does not start	No power to furnace; Loose electrical connections; Faulty thermostat or control board.	Check RV circuit breakers/fuses. Verify all electrical connections are secure. Consult RV furnace manual for thermostat/control board diagnostics.
Motor runs but no heat	No gas supply; Faulty igniter or burner; Limit switch tripped.	Ensure gas supply is on. Check igniter and burner for proper operation (consult RV furnace manual). Reset limit switch if tripped.
Unusual noise from motor	Loose mounting; Debris in blower wheel; Worn bearings (unlikely for new motor).	Ensure motor is securely mounted. Disconnect power and inspect blower wheel for obstructions.
Weak airflow	Obstructed ductwork; Dirty blower wheel; Incorrectly installed blower wheel.	Check RV ductwork for blockages. Clean blower wheel if dirty. Verify blower wheel is correctly seated and secured on the motor shaft.

For complex issues or if troubleshooting steps do not resolve the problem, it is recommended to contact a qualified RV technician.

WARRANTY AND SUPPORT

Crypticorps is committed to customer satisfaction. This product is a manufacturer's replacement part, designed for functional equivalence and durability.

If you are not satisfied with the product or encounter any issues, please contact Crypticorps customer support. Refer to your purchase documentation or the seller's information for specific contact methods. We are dedicated to providing satisfactory assistance.