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Vital All-Terrain RTR-RPSL-681_Z3

Vital All-Terrain 12V Volt Heater User Manual

Model: RTR-RPSL-681_Z3

Product Overview

The Vital All-Terrain 12V Volt Heater is designed to provide supplemental heating and airflow for various UTV models. This compact unit operates on a 12-volt electrical system and features a 3-position switch for heat or fan-only operation, along with a variable fan speed dial. Its swivel stand allows for flexible air direction, making it a versatile addition to your utility vehicle.

Key Features

- Compatible with nearly any UTV model.
- Features a 3-position switch: Heat, Fan Only, and Off.
- Easy installation with included instructions.
- Swivel stand for adjustable airflow direction.
- 12V, 300 Watt heating capability.

Package Contents

Upon unboxing, verify that all components are present and undamaged. The package should contain the 12V Volt Heater unit, a swivel mounting stand, and necessary wiring for electrical connection.



Figure 1: The 12V Volt Heater unit, showing the main body, control panel, attached wiring, and the separate swivel mounting bracket.

Setup and Installation

Proper installation is crucial for the safe and efficient operation of your 12V Volt Heater. Ensure your vehicle's electrical system is capable of supporting a 300-watt load. It is recommended to disconnect the vehicle's battery before beginning installation.

Mounting the Heater

The heater comes with a swivel stand designed for flexible placement.

1. Identify a suitable, flat, and secure mounting location within your UTV cabin that allows for optimal airflow distribution and does not obstruct vehicle controls or passenger movement.
2. Attach the swivel stand to the heater unit using the provided hardware.
3. Securely fasten the assembled heater and stand to the chosen mounting surface using appropriate screws or bolts (not included, as vehicle mounting surfaces vary). Ensure the unit is stable and will not vibrate loose during operation.

Electrical Connection

The heater operates on a 12-volt DC system. Connect the heater directly to your vehicle's battery or a fused 12V power source capable of handling a 25-amp draw (300W / 12V = 25A).

1. Locate the red (positive) and black (negative) wires extending from the heater unit.
2. Connect the red wire to the positive (+) terminal of your 12V power source. It is highly recommended to install an in-line 30-amp fuse (not included) as close to the power source as possible to protect the circuit.
3. Connect the black wire to the negative (-) terminal of your 12V power source or a suitable vehicle ground point.
4. Ensure all connections are secure and insulated to prevent short circuits.



Figure 2: Side view illustrating the electrical wiring and the location of the fuse holder on the unit.



Figure 3: Rear view of the heater, showing the fan intake grille. Ensure this area is not obstructed for proper airflow.

Operation

Once installed and connected, the heater is ready for operation.



Figure 4: Front panel controls, including the fan speed dial and the 3-position power switch.

Controls

- **3-Position Power Switch:** Located on the front panel, this switch controls the primary function of the unit.
  - **OFF (Center Position):** The heater is completely off.
  - **FAN ONLY (One Side Position):** The fan operates without heating, circulating ambient air.
  - **HEAT (Other Side Position):** Both the fan and heating element are active, providing warm air.
- **Fan Speed Dial:** This rotary dial allows you to adjust the fan speed from low to high, controlling the volume of air circulated by the unit.

To operate, turn the 3-position switch to either "FAN ONLY" or "HEAT" and adjust the fan speed dial to your desired setting.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your 12V Volt Heater.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Ensure the fan intake (rear grille) and outlet are free from dust, debris, or obstructions. Do not use abrasive cleaners or solvents.
- **Fuse Replacement:** If the heater stops functioning, check the in-line fuse (if installed) and the fuse integrated into the unit (refer to Figure 2 for location). Replace with a fuse of the same type and rating (e.g., 30-amp ATO/ATC blade fuse). Always disconnect power before replacing fuses.
- **Wiring Inspection:** Annually inspect all wiring connections for signs of wear, corrosion, or looseness. Secure any loose connections and repair or replace damaged wiring.

Troubleshooting

If you encounter issues with your 12V Volt Heater, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Heater does not turn on.	No power to the unit; Blown fuse; Loose wiring connection; Faulty switch.	Check vehicle's 12V power source; Inspect and replace fuses; Verify all wiring connections are secure; Contact customer support if switch is suspected faulty.
Fan runs, but no heat.	Switch set to "FAN ONLY"; Faulty heating element.	Ensure the 3-position switch is set to "HEAT"; Contact customer support if heating element is suspected faulty.
Low airflow or weak heat.	Obstructed fan intake/outlet; Low fan speed setting; Insufficient power supply.	Clear any obstructions from grilles; Adjust fan speed dial to a higher setting; Verify 12V power supply is stable and sufficient.
Unusual noise during operation.	Debris in fan; Loose mounting.	Disconnect power and carefully inspect fan for debris; Ensure unit is securely mounted.

Technical Specifications

Attribute	Detail
Model Number	RTR-RPSL-681_Z3
Brand	Vital All-Terrain
Manufacturer	Road Pro
Power Input	12 Volts DC
Power Output	300 Watts
Current Draw	Approximately 25 Amps
Item Weight	3.19 pounds (1.45 kg)
Package Dimensions	8.15 x 6.57 x 6.3 inches (20.7 x 16.7 x 16 cm)
ASIN	B07MJ7ZKZP
Date First Available	December 20, 2018

Warranty Information

This Vital All-Terrain 12V Volt Heater is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact Vital All-Terrain customer support. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Vital All-Terrain customer support.

You may find contact information on the product packaging, the manufacturer's official website, or through your point of purchase. When contacting support, please have your product model number (RTR-RPSL-681_Z3) and purchase date ready.

Ask a question about this manual

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