

Product overview:

This RV Roof Vent Fan is designed to provide effective ventilation for caravans, motorhomes, and recreational vehicles. It fits standard roof openings and operates on a 12V DC power supply.

Important notes:

- Vent fits standard **360 mm x 360 mm** caravan roof openings.
- For new installations, the roof opening may be cut slightly larger (approximately **366 mm x 366 mm**) to allow proper fit and sealing.

Safety warnings:

- **WARNING: 12V DC POWER ONLY.** Connecting this product to 110V or 220V AC power will cause permanent damage and may result in fire or electric shock.
- Disconnect the main vehicle power supply before installation or wiring.
- Installation and wiring should be performed by personnel with basic electrical knowledge.

Safety precautions:

1. **Installation and Wiring** Installation and wiring must be performed by personnel with basic electrical knowledge. Incorrect power connection may result in equipment damage or electric shock.
2. **Operation Safety** Do not touch the fan blades while the fan is operating to avoid injury. Children must use the product under adult supervision.
3. **Water and Moisture Protection** Do not expose the fan directly to water or operate it in excessively wet environments (such as rain or heavy water accumulation inside the RV), as this may cause short circuits or damage.
4. **Long-Term Non-Use** Disconnect the power supply when the fan is not used for an extended period to prevent standby power consumption or electrical faults.
5. **Abnormal Conditions** If abnormal noise, vibration, or failure to start is detected, immediately disconnect the power and inspect the unit. Do not resume use until the issue has been resolved.
6. **Close** vent lid when leaving for extended periods and in high winds to avoid damage.

Installation instructions:

1. Read all instructions carefully before starting the installation.
2. If replacing an existing roof vent, remove the old vent and completely remove all old sealant for a minimum of 2 inches (50 mm) around the roof opening.
3. For new installations, mark the desired location, ensuring it is positioned between roof joists. Trace the vent frame outline on the roof. Cut a roof and ceiling opening of approximately **366 mm x 366 mm**.
4. Drill a starter hole in each corner. Avoid damaging the interior headliner. Stop the drill bit before penetrating the headliner, then use a nail or awl to mark the interior cut location.
5. Remove the marked section of the headliner. Using a metal-cutting saber saw, cut along the traced outline on the roof.



6. Insert the roof vent into the opening to verify proper fit. Adjust the opening if necessary. When properly fitted, use a marker to mark the screw hole locations.
7. Remove the vent and drill all screw hole locations using a **1/16 in (1.6 mm)** pilot drill bit.
8. Apply putty tape around the roof opening, approximately **1/2 in (12.7 mm)** from the edge. Ensure the entire sealing area is covered. Use double layers if necessary on ribbed roof surfaces.
9. Place the vent into the opening on top of the putty tape. Align the corner holes using an awl or nail.
CAUTION: Install the vent with the lid hinge facing the front of the vehicle.
10. Install the corner screws first to hold the vent in place, then install the remaining mounting screws. Tighten screws only until the putty tape is compressed. Do not over tighten.
11. Apply an appropriate roof sealant or coating to all screw heads and along the edge of the vent frame.
12. Electrical Connection (If your roof vents with fan, you need to connect wires to power)
 - Rated Power Supply: **12V DC**
 - Recommended Wire Gauge: **18 AWG**

IMPORTANT: Wire colors may differ from standard RV wiring conventions. Always verify polarity before connection.

- **Black wire:** Negative (–)
 - **White wire:** Positive (+)
12. From inside the vehicle, install the interior garnish trim ring. Trim the garnish as required to match the roof thickness. Secure the interior garnish with screws. Installation is now complete.

Operating instructions :

Open/close the roof vent:

- Turn the knob **clockwise to open** the roof vent.
- Turn the knob **counterclockwise to close** the roof vent.

Fan on/off:

- Press the black button marked “—” to turn the fan **ON**.
- Press the black button marked “O” to turn the fan **OFF**.

Technical specifications:

- Rated Voltage: 12V DC
- Power: 10W
- Electric current(A): 0.8A

Disclaimer:

The manufacturer shall not be liable for damage or injury resulting from improper installation, incorrect wiring, misuse, or unauthorized modification of this product.

