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> Maxxfan Deluxe Vent, Fan and Vent Cover Instruction Manual

MAXXAIR 00-06401K

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Model: 00-06401K

INTRODUCTION

The MAXXAIR Maxxfan Deluxe Vent, Fan and Vent Cover is an all-in-one solution designed to provide superior air circulation in recreational vehicles. Since 1989, Maxxair has been a leader in RV ventilation, offering innovative products that keep interiors cool and comfortable. This powerful 4-speed exhaust-only fan features a built-in rain cover, allowing for continuous operation even during rain, and fits standard 14" x 14" roof openings. It is engineered for durability and ease of use, ensuring a pleasant environment in your RV, whether you're parked or on the move.



- **Features a powerful, fuse protected, long life, sealed ball bearing**
- **Built-In rain cover provides full time protection, while fan is on or off**
- **Optional remote control with programmable thermostat**

The Maxxfan Deluxe provides effective ventilation solutions for recreational vehicles.

KEY FEATURES

- **All-in-One Design:** Combines a roof vent, a powerful 4-speed exhaust-only fan, and a built-in rain cover into a single unit.
- **Manual Operation:** Features a manual knob for opening and closing the vent lid, located at the ceiling.
- **Powerful Airflow:** Equipped with a 4-speed fan motor and a 12" fan blade, capable of moving over 900 CFM of air to effectively remove hot, musty air and odors.
- **Built-in Rain Cover:** Provides full-time protection, allowing the fan to operate even during rain, whether the vehicle is stationary or moving.
- **Thermostat Control:** Features a flush-mounted, easy-to-clean keypad that controls fan speed and thermostat settings.
- **Easy Maintenance:** The interior insect screen is easily removable without tools for convenient cleaning.
- **Ceiling Fan Mode:** The fan can run with the lid closed to circulate air within the RV, functioning as a ceiling fan.
- **Standard Fit:** Designed to fit standard 14" x 14" roof openings, with an adjustable fit for roof thicknesses from 1-1/8 inches to a maximum of 6-1/2 inches.



The Maxxfan Deluxe, showcasing its integrated design with a durable smoke-colored lid.



Side profile of the Maxxfan Deluxe, highlighting its low-profile design when closed.



FRESH AIR
RAIN OR SHINE.

MAXxAIR
An AIRXCEL Brand

Key features of the Maxxfan Deluxe, including the 4-speed fan, built-in rain shield, and easy-to-remove insect screen.

INSTALLATION (SETUP)

Installation of the Maxxfan Deluxe requires careful attention to detail and basic RV maintenance skills. It is designed to fit standard 14" x 14" roof openings. If replacing an existing unit, ensure all old sealant and debris are thoroughly removed from the opening. For new installations, accurately measure and cut the roof opening according to the provided template

(if applicable, or standard 14x14 dimensions).

Tools and Materials (Recommended):

- Butyl seal tape
- Lap sealant (UV resistant, RV-grade)
- Wire strippers/cutters/crimper
- Screwdriver (#2 Phillips recommended) or drill/driver
- Rags and appropriate cleaner/solvent (e.g., acetone for metal roofs, check compatibility for other materials)
- Stiff wire or wire fishing tool (for routing wires)
- Pry bar (if removing old unit)
- Utility knife and straight edge (for trimming interior trim ring)
- Wire butt splices and electrical tape

Installation Steps (General Overview):

1. **Safety First:** Disconnect all power sources (shore power, battery) to the RV before beginning installation, especially if working near existing electrical wiring.
2. **Prepare Opening:** Clean the roof opening thoroughly, removing any old sealant, dirt, or debris. Ensure the surface is dry and free of contaminants.
3. **Apply Sealant:** Apply butyl seal tape around the perimeter of the fan's exterior flange that will contact the roof.
4. **Position Fan:** Carefully lower the Maxxfan Deluxe into the 14" x 14" roof opening. Ensure it is properly seated and aligned.
5. **Secure Fan:** Fasten the fan to the roof using the provided screws. Apply lap sealant over all screw heads and along the exterior edge of the fan's flange to create a watertight seal.
6. **Electrical Connection:** Route the fan's 12V DC wires to a suitable power source within the RV (e.g., a nearby light fixture). Connect the wires using appropriate butt splices and secure connections with electrical tape. Ensure correct polarity (positive to positive, negative to negative).
7. **Install Interior Trim:** Measure and trim the interior cosmetic trim ring to fit the thickness of your RV roof. Install the trimmed trim ring from inside the RV.
8. **Test Functionality:** Once installation is complete and all connections are secure, restore power to the RV and test the fan's operation at all speeds and the manual lid opening mechanism.

Note: For detailed, model-specific instructions, always refer to the comprehensive installation guide included with your product packaging. Professional installation is recommended if you are not comfortable with electrical wiring or roof work.



Dimensions of the Maxxfan Deluxe, crucial for proper installation in a 14" x 14" opening.

OPERATING INSTRUCTIONS

The Maxxfan Deluxe (Model 00-06401K) is designed for straightforward manual operation and efficient air exhaust.

Lid Operation:

- To open the vent lid, locate the manual knob on the ceiling unit. Pull the knob down to disengage the lock, then rotate it to raise the lid to your desired open position.
- To close the vent lid, rotate the manual knob in the opposite direction until the lid is fully closed. Push the knob up to engage the lock and secure the lid.
- The built-in rain cover allows the fan to operate with the lid open even during rain, without water entering the RV.

Fan Operation:

- The fan is controlled via the flush-mounted keypad.
- **Power On/Off:** Press the power button on the keypad to turn the fan on or off.
- **Speed Control:** Use the speed control buttons (usually indicated by +/- or fan icons) to cycle through the 4 available fan speeds.
- **Thermostat:** Set your desired temperature using the thermostat controls. The fan will automatically adjust its operation to help maintain this temperature.
- **Exhaust Function:** This model is an exhaust-only fan, meaning it pulls hot, stale air and odors out of the RV.
- **Ceiling Fan Mode:** The fan can be operated with the lid closed to circulate air inside the RV, providing a gentle breeze without exchanging air with the outside.



The Maxxfan Deluxe with its lid partially open, demonstrating the manual opening mechanism.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Maxxfan Deluxe. Perform these checks periodically to keep your unit in top condition.

Cleaning the Insect Screen:

- The interior insect screen is designed for easy removal without tools.
- Gently unclip or slide the screen from its mounting points.
- Wash the screen with mild soap and water. Rinse thoroughly and allow it to air dry completely before re-installing.
- Regular cleaning prevents dust and debris buildup, which can restrict airflow.

Exterior Cleaning:

- Periodically inspect the exterior lid and housing for dirt, leaves, or other debris.
- Clean the exterior surfaces with a soft cloth, mild soap, and water. Avoid abrasive cleaners or harsh chemicals that could damage the plastic or finish.
- Ensure the rain cover mechanism is free of obstructions.

Sealant Inspection:

- Annually, or more frequently if traveling extensively, inspect the sealant around the base of the fan on the RV roof.
- Look for cracks, peeling, or signs of deterioration.
- Reapply RV-grade lap sealant as needed to maintain a watertight seal and prevent leaks.

Fan Blade Inspection:

- With the power off, gently check the fan blade for any obstructions or damage.
- Ensure the blade spins freely without resistance.

TROUBLESHOOTING

If your Maxxfan Deluxe is not operating as expected, refer to the common issues and solutions below. For persistent problems, contact customer support.

Problem	Possible Cause	Solution
Fan does not turn on.	No power (blown fuse, loose wiring), faulty switch/keypad, motor issue.	Check RV's 12V fuse panel. Inspect wiring connections for looseness or corrosion. Ensure power button is pressed. If problem persists, motor or keypad may need service.
Fan runs but airflow is weak.	Dirty insect screen, lid not fully open, obstruction in fan blades.	Clean the insect screen. Ensure the lid is fully opened using the manual knob. Check for any debris obstructing the fan blades (with power off).
Unusual noise during operation.	Debris in fan, loose fan blade, motor bearing issue.	Turn off power and inspect for debris around the fan blade. Check if the fan blade is securely attached. If noise persists, it may indicate a motor issue requiring professional attention.
Lid does not open/close smoothly.	Manual knob mechanism stiff, obstruction.	Inspect the manual knob and arm mechanism for any obstructions. Apply a small amount of silicone lubricant to moving parts if stiff (avoiding electrical components).

Problem	Possible Cause	Solution
Water leaking into RV.	Compromised roof sealant, lid not fully closed.	Inspect and reapply lap sealant around the fan's base on the roof. Ensure the lid is fully closed and locked when not in use, especially during rain or travel.

SPECIFICATIONS

Brand:	MAXXAIR
Model Number:	00-06401K
Color:	Smoke
Fan Design:	Exhaust Fan
Power Source:	12 Volts DC (Manual Operation)
Number of Speeds:	4
Airflow (CFM):	Over 900 CFM
Roof Opening Size:	14" x 14"
Roof Thickness Fit:	1-1/8" to 6-1/2"
Product Dimensions (D x W x H):	18"D x 25.5"W x 12"H
Item Weight:	9.8 Pounds (approx. 4.45 kg)
Noise Level:	59 dB
Wattage:	12 watts
Included Components:	4-Speed Fan Motor with 12" Fan Blade, Built-in Rain Cover, Interior Insect Screen

WARRANTY INFORMATION

MAXXAIR products are known for their quality and durability. The Maxxfan Deluxe comes with a lifetime warranty on the lid, providing peace of mind against manufacturing defects or material failures. For specific warranty terms and conditions, including coverage details and how to make a claim, please refer to the warranty card included with your product or visit the official MAXXAIR website.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact MAXXAIR customer support. Have your model number (00-06401K) and purchase information ready when contacting support.

MAXXAIR is part of the Airxcel family of brands.

Website: www.airxcel.com/maxxair

Phone: Refer to the contact information provided in your product packaging or on the official website for the most current phone numbers.

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