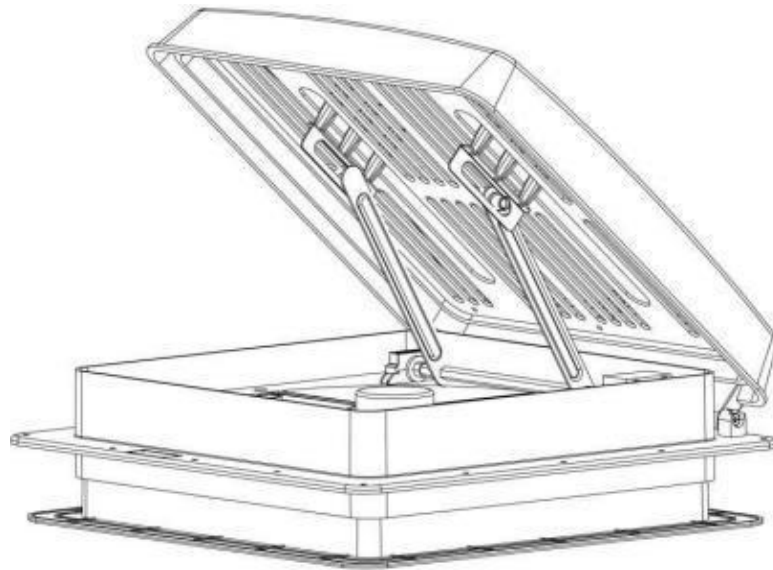


RV VENTILATION FANS

USER MANUAL

CE FC



This fan comes with a 2-year warranty. Accessories can be replaced for free; customers only need to cover the shipping fees.

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Overview

1. Double-layer insulation cover lid

A high-strength, translucent double-layer cover that protects against UV rays while allowing plenty of light to pass through. It provides effective heat insulation in summer and prevents condensation in winter.

2. High-quality low-noise brushless motor

Delivers more stable operation, lower energy consumption, quiet performance, and high air volume. (Its lifespan is five times longer than traditional brushed motors, greatly improving overall motor durability.)

3. Anti Insect Net Frame

The anti-insect net frame is twist-on mounted for easy disassembly and cleaning.

4. Feather-leaf fan blades

The aerodynamic design of the fan blades provides a fine and even air quality, ensuring maximum ventilation while still keeping noise to a minimum.

5. Open the lid at any angle you want

Using the remote control, you can freely open the lid to any angle to meet different needs in daily use.

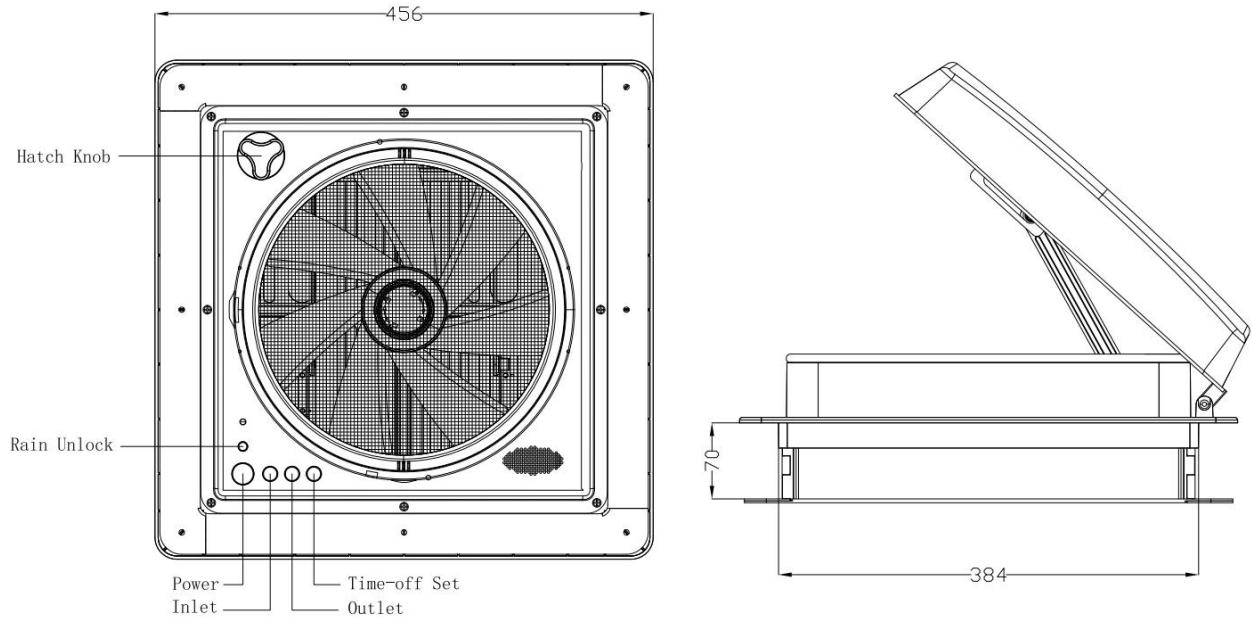
6. Rain Sensor Function / Rain Mode

Rain Sensor Function: The lid will close automatically when it starts to rain.

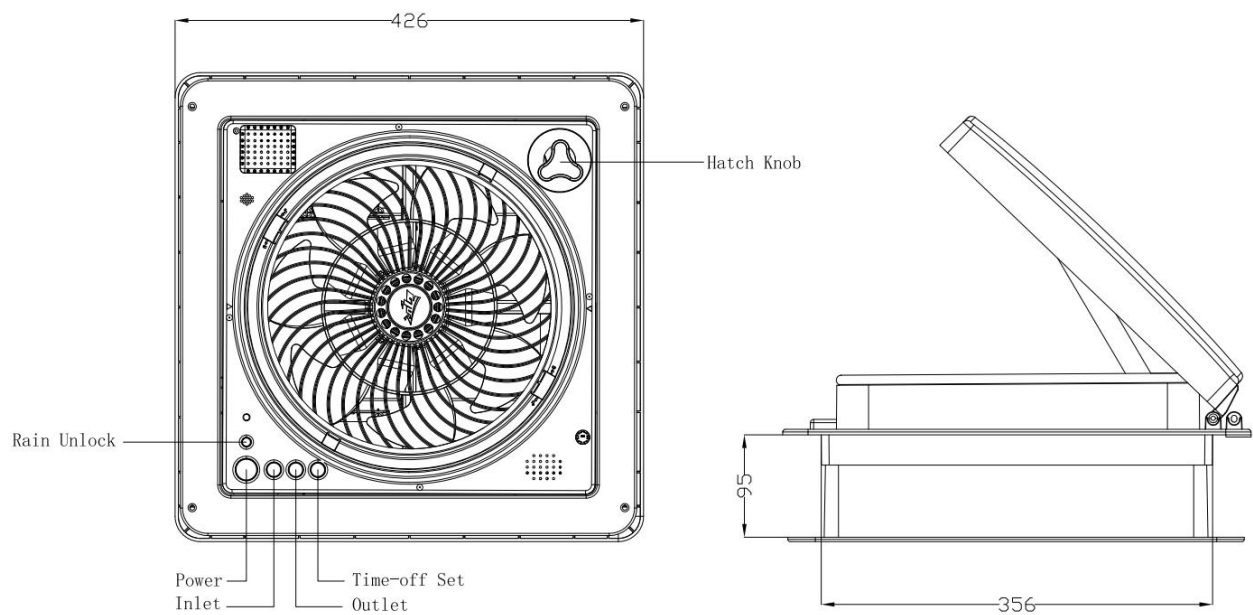
Rain Mode: When the rain is light, you can activate Rain Mode. The lid will open slightly, allowing ventilation while preventing rain from entering. (This function is not recommended during heavy rain.)

SPECIFICATIONS OF PHYSICAL DIMENSIONS

F40AR Dimension

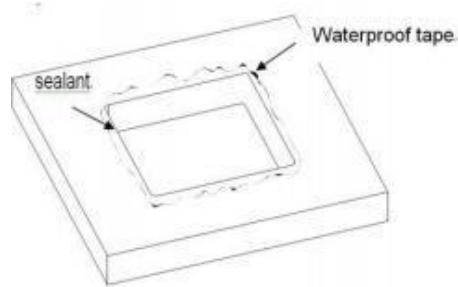


F36AR Dimension

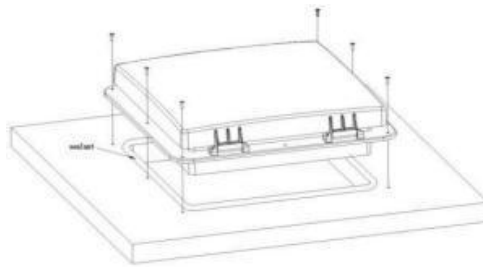


GUIDELINES FOR INSTALLATION

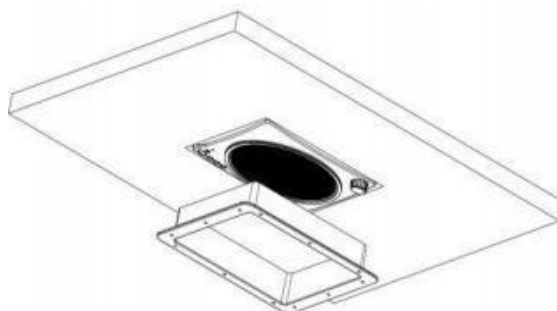
1. Create a square opening (F40AR: 385 × 385 mm , F36AR: 356 X356 mm) in the roof and seal it with a double-sided sealant between the fan base and the roof, ensuring it is level to prevent water ingress.



2. Secure the fan into the opening with screws, and apply sealant where the fan base meets the roof to prevent rainwater entry. For roofs with a sandwich structure, a wooden strip is suggested to reduce vibration.



3. Connect the fan's power cable to the vehicle's 12V power supply, with the red wire as positive and the black wire as negative.
4. Place the fan's garnish frame into the opening, secure it with screws, and attach the manual knob.



DESCRIPTION OF KEY FUNCTIONS

KEY	Activate	Notification
OPEN	IN THE POWERED-ON STATE, PRESS THE BUTTON: THE LID COVER WILL OPEN.	SINGLE “BEEP”
CLOSE	IN THE POWERED-ON STATE, PRESS THE BUTTON: THE LID COVER WILL CLOSE.	SINGLE “BEEP”
AIR OUT 0-4	IN THE POWERED-ON STATE, PRESS THE BUTTON: THE FAN WILL EXHAUST AIR IN CYCLES FROM 1 TO 4 GEARS (ON THE 5TH PRESS, THE FAN STOPS).	SINGLE BEEP, WITH THE INDICATOR LIGHT SHOWING THE FAN SPEED LEVEL.
AIR IN 0-4	IN THE POWERED-ON STATE, PRESS THE BUTTON: THE FAN WILL INTAKE AIR IN CYCLES FROM 1 TO 4 GEARS (ON THE 5TH PRESS, THE FAN STOPS).	SINGLE BEEP, WITH THE INDICATOR LIGHT REPRESENTING THE FAN SPEED LEVEL.
RAINY MODE	WHEN THE RAIN SENSOR DETECTS WATER, THE LID COVER WILL BE CLOSE AND THE FAN STOPS. LONG PRESS THE BUTTON FOR 3 SECONDS TO FORCE THE LID SLIGHTLY OPEN WHEN THE RAIN IS LIGHT. AFTER ENTERING RAINY MODE: EACH PRESS OF THE RAINY MODE BUTTON WILL INCREMENTALLY RAISE THE LID COVER BY A SMALL ANGLE.	SINGLE “BEEP”

KEY	Activate	Notification
FAN STOP	STOPS THE FAN IN BOTH AIR IN AND AIR OUT MODES.	SINGLE “BEEP”
LID UP	PRESS AND HOLD TO OPEN THE LID COVER TO ANY ANGLE (FROM 0° TO 45°).	
LID DOWN	PRESS AND HOLD TO CLOSE THE LID FROM ANY ANGLE (FROM 45° TO 0°).	
TIME	PRESS THE BUTTON ONCE TO ACTIVATE THE TIMER, PRESS TWICE WITHIN 3S FOR 60 MINUTES, PRESS THREE TIMES WITHIN 3S FOR 120 MINUTES, PRESS FOUR TIMES WITHIN 3S FOR 180 MINUTES, PRESS FIVE TIMES WITHIN 3S FOR 240 MINUTES, PRESS SIX TIMES WITHIN 3S TO CANCEL THE TIMER. PRESSES MUST BE WITHIN 3S; IF NO NEXT PRESS OCCURS WITHIN 3S AFTER A PRESS, THE TIMER EXITS AUTOMATICALLY AND THE LIGHT TURNS OFF.	SINGLE“BEEP”, WITH THE INDICATOR LIGHT SHOWING THE TIMER HOURS.
LED (HIGH VERSION ONLY)	PRESS THE BUTTON TO TURN ON THE LIGHT(DEFAULT IS WHITE). PRESS AGAIN TO TURN OFF THE LIGHT.	SINGLE “BEEP”
SWITCH (HIGH VERSION ONLY)	WHEN THE LED IS ON, PRESS THE BUTTON TO CYCLE THE LIGHT THROUGH YELLOW, BLUE, RED, AND WHITE.	SINGLE “BEEP”

DETAILED TECHNICAL SPECIFICATIONS

- Size:
F40AR: $456 \times 456 \times 177$ mm
F36AR: $426 \times 426 \times H$ mm (3 height options: 167/199/206)
- Opening Size:
F40AR: 385×385 mm
F36AR: 356×356 mm
- Rated Voltage: DC 12V
- Power: 3~32 W
- Max Lid Opening Angle: 45°
- Fan Speed Adjustment: 0 – 4 levels
- Roof Thickness Compatibility: 37 – 85 mm
- Start-up Method: Manual / Electric
- Airflow Direction: Bidirectional

Package Includes:

- Exhaust Fan $\times 1$
- Remote Control $\times 1$ (requires 2 AAA batteries, not included)
- Screws $\times 10\text{--}30$ (varies depending on the product version)
- Manual Knob $\times 1$
- 2.7" Frame $\times 1$
- Instruction Manual $\times 1$



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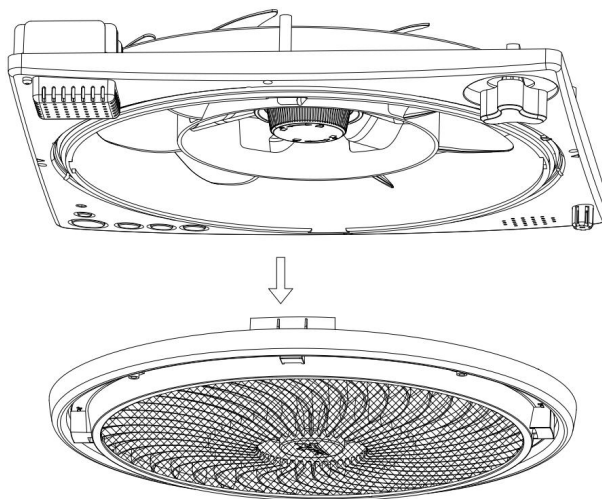
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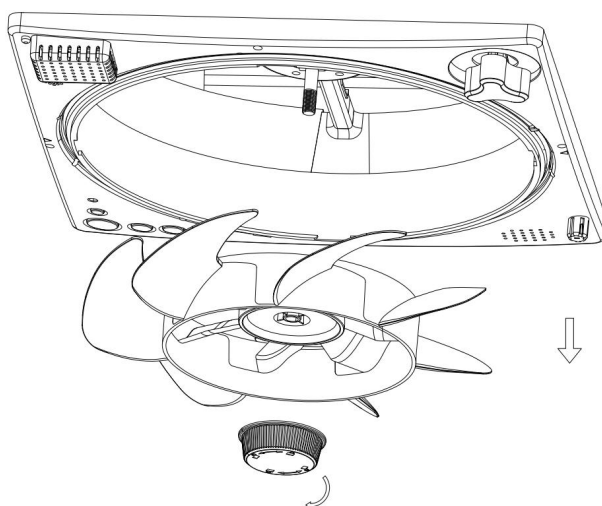
PARTS REPLACEMENT AND CLEANING

1. First, please make sure to disconnect the power supply.

2. To remove the insect screen, rotate the screen counter-clockwise from the ventilation fan panel. Clean and dry it, or replace it with a new one.



3. To remove the fan blade, rotate the knob cover counter-clockwise to remove it, then pull out the fan blade assembly. Clean and dry it, or replace it with a new one.



- ❖ Please use soft cleaning tools such as sponges or brushes when cleaning the insect screen and fan blades. It is not recommended to use hard cleaning tools such as steel wool, as they may damage the parts.
- ❖ Do not use cleaners containing corrosive or volatile solvents.
- ❖ When reinstalling the fan blade, press it into the slot and tighten the screw cap clockwise.

IMPORTANT NOTES

Usage Precautions:

1. For your safety, thoroughly read this manual before installation and use.
2. Disconnect the power supply before moving, cleaning, or servicing the unit.
3. Upon unpacking, if any irregularities are found, contact customer support immediately.
4. Verify that the electrical supply voltage corresponds to the product's requirements before powering on.
5. Avoid excessive bending, pulling, or twisting of the power cable and internal components.
6. Minimize the use of additional connectors or extension cords. Ensure that any used are compliant with safety standards appropriate for this device.
7. This fan is intended exclusively for caravan applications and should not be repurposed for other uses.
8. The ventilation fan contains fragile components; do not lift the transparent cover with force or with tools.

Safety Measures:

1. Do not place objects such as pens into the mosquito screen while the device is operating.
2. Refrain from touching the ventilation fan when your hands or feet are wet.
3. Keep the device out of reach of infants and young children during operation.
4. After unpacking, ensure all packaging materials and small parts are kept away from children to prevent choking or accidental ingestion.

WARRANTY POLICY

1. Our products come with a 24-month warranty from the date of purchase.
2. Should any defects arise during the warranty period due to manufacturing materials or processes, we will replace the defective parts as necessary.
3. For warranty claims, please provide proof of purchase, such as your order number.
4. Usage outside the scope specified in this manual is considered improper and may pose safety risks. Damage caused by such misuse will incur repair costs charged by the Company, in addition to standard service fees.

Exclusions from warranty coverage:

- ◆ Damage resulting from incorrect use, such as improper power connection, etc.
- ◆ Normal wear and tear; damage caused by mishandling; disassembly of core components; or the use of non-original parts.

TROUBLESHOOTING

No.	Problem Description	Cause Analysis	Suggested Solutions
1	LEAKING SUNROOF	INADEQUATE ADHESION BETWEEN THE VENTILATION FAN AND THE ROOF, LEADING TO WATER LEAKS.	REAPPLY ADHESIVE AROUND THE PERIMETER OF THE ROOF OPENING AND SECURE WITH SPARE SCREWS.
2	ADDITIONAL ROOF LEAKAGE	THE ROOF WALL PANEL'S SANDWICH STRUCTURE DETERIORATES OVER TIME, CAUSING FILLER SEPARATION AND RESULTING IN LEAKS.	CLEAN THE ROOF OPENING EDGES, REINFORCE THE STRUCTURE WITH A WOODEN BOARD TO REDUCE VIBRATION, AND RESEAL.
3	LID COVER DOES NOT AUTO-CLOSE WHEN IT RAINS	RAINDROP SENSOR MALFUNCTION.	CLEAN THE RAINDROP SENSOR TO REMOVE ANY OBSTRUCTIONS.
4	VIBRATION OF THE VENTILATION FAN AT HIGH SPEED	LOOSE INSTALLATION OR INSUFFICIENT STRUCTURAL SUPPORT.	INSTALL WOODEN PANELS TO BRACE THE FAN ASSEMBLY AGAINST THE VEHICLE'S STRUCTURE.
5	REMOTE CONTROL NOT FUNCTIONING	DEAD BATTERIES OR IMPROPER BATTERY POLARITY.	REPLACE THE BATTERIES AND ENSURE CORRECT POLARITY.
6	LID COVER WON'T CLOSE	INTERNAL LID-CONTROL WIRING IS FAULTY.	RECONNECT THE INTERNAL LID-CONTROL CABLE CORRECTLY.
7	MANUAL ROCKER FOR THE VENTILATION FAN IS INOPERATIVE	LID-OPENING MOTOR SYSTEM REQUIRES RESET.	CONTACT CUSTOMER SERVICE FOR REPAIR OR REPLACEMENT.
8	RAINDROP SENSOR DISABLED AFTER FORCED UNLOCKING	SYSTEM REQUIRES A RESET.	PRESS THE POWER BUTTON TO RESET AND RESTORE RAINDROP DETECTION TO DEFAULT.
9	LOOSE OR RATTLING TOP COVER	IMPROPER MANUAL KNOB ADJUSTMENT OR ILL-FITTING TOP COVER.	ADJUST THE MANUAL KNOB TO SECURE THE TOP COVER FIRMLY.

****CUSTOMER FEEDBACK NOTICE****

We greatly value your suggestions and ideas for product improvements during and after installation. We are committed to continuously enhancing our products.

