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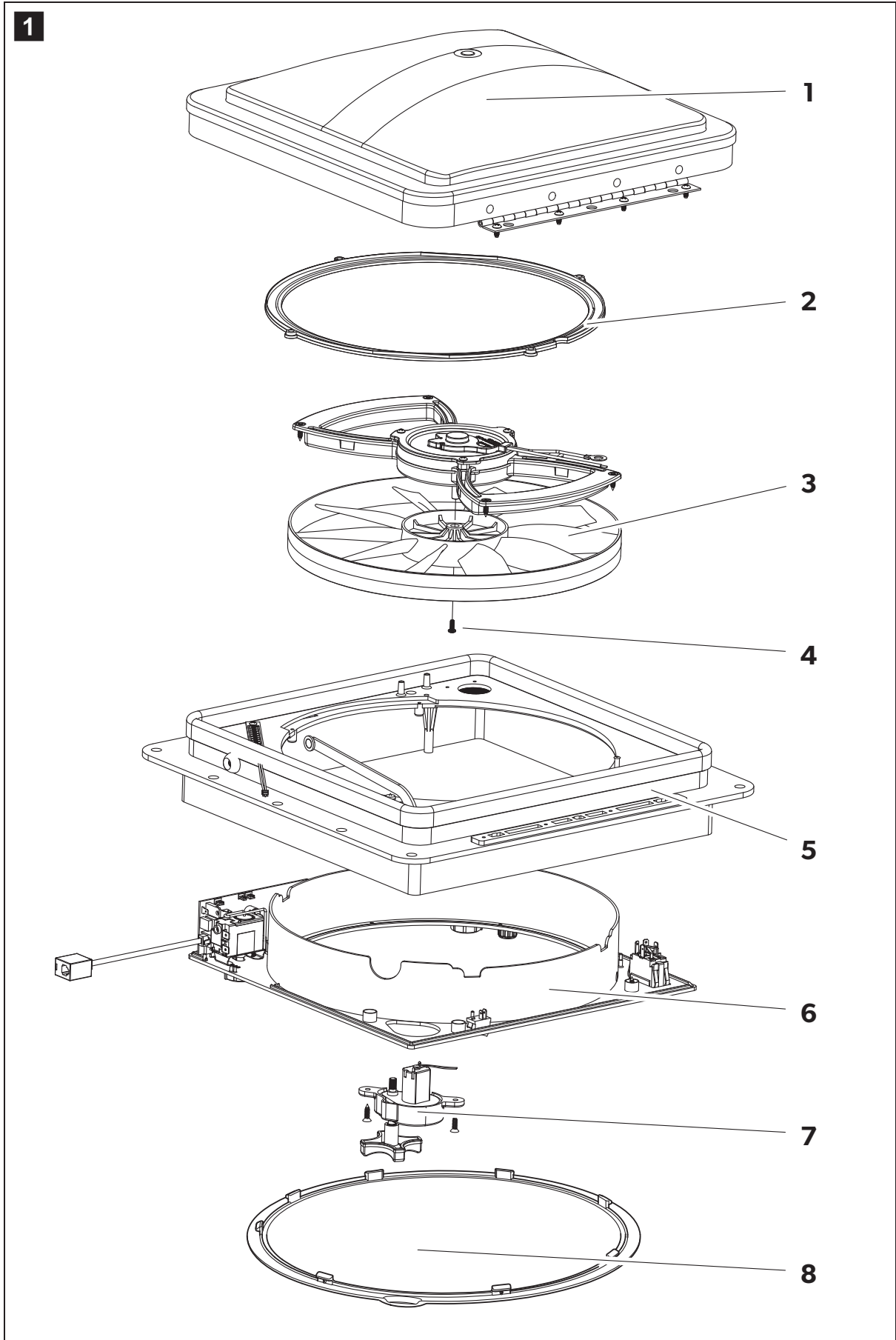
# VENTILATION ROOFLIGHTS

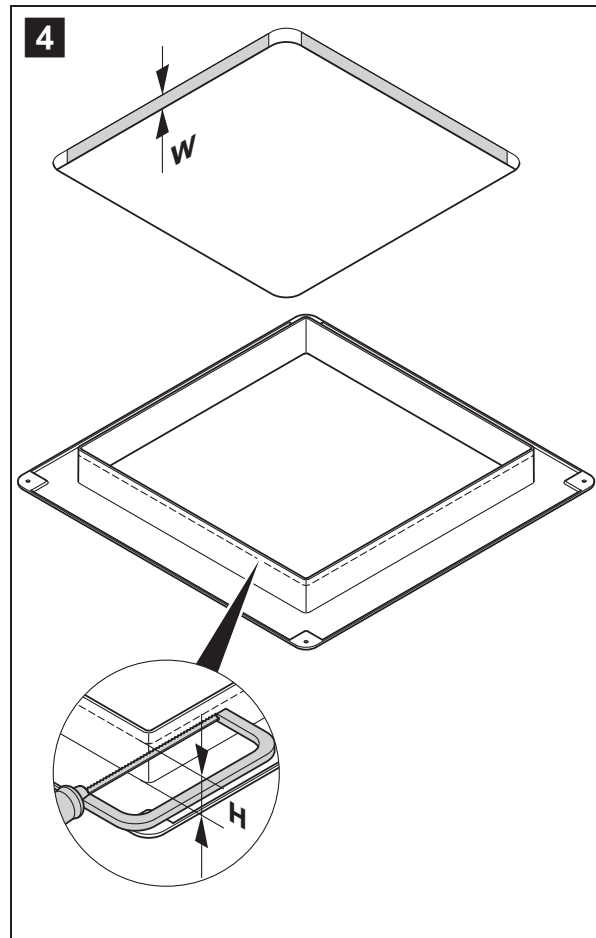
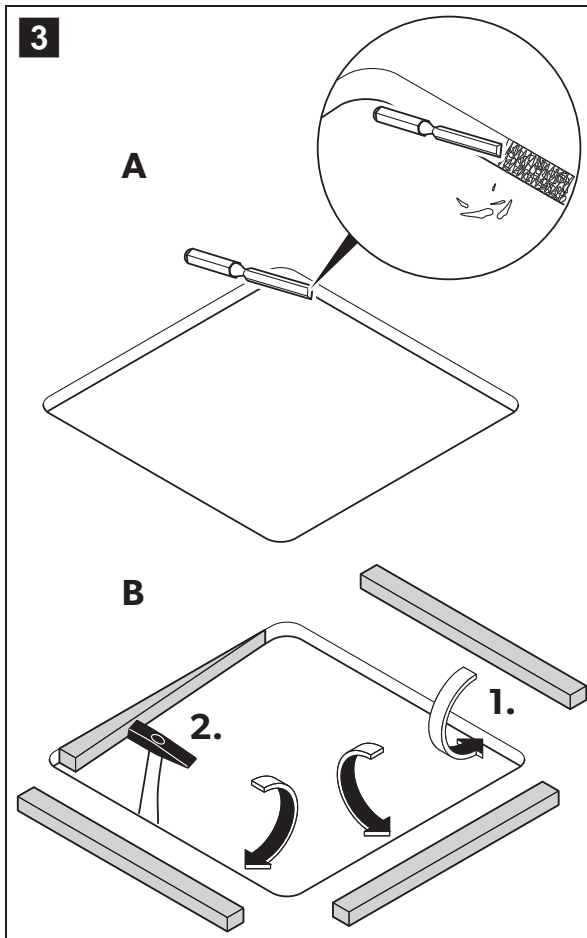
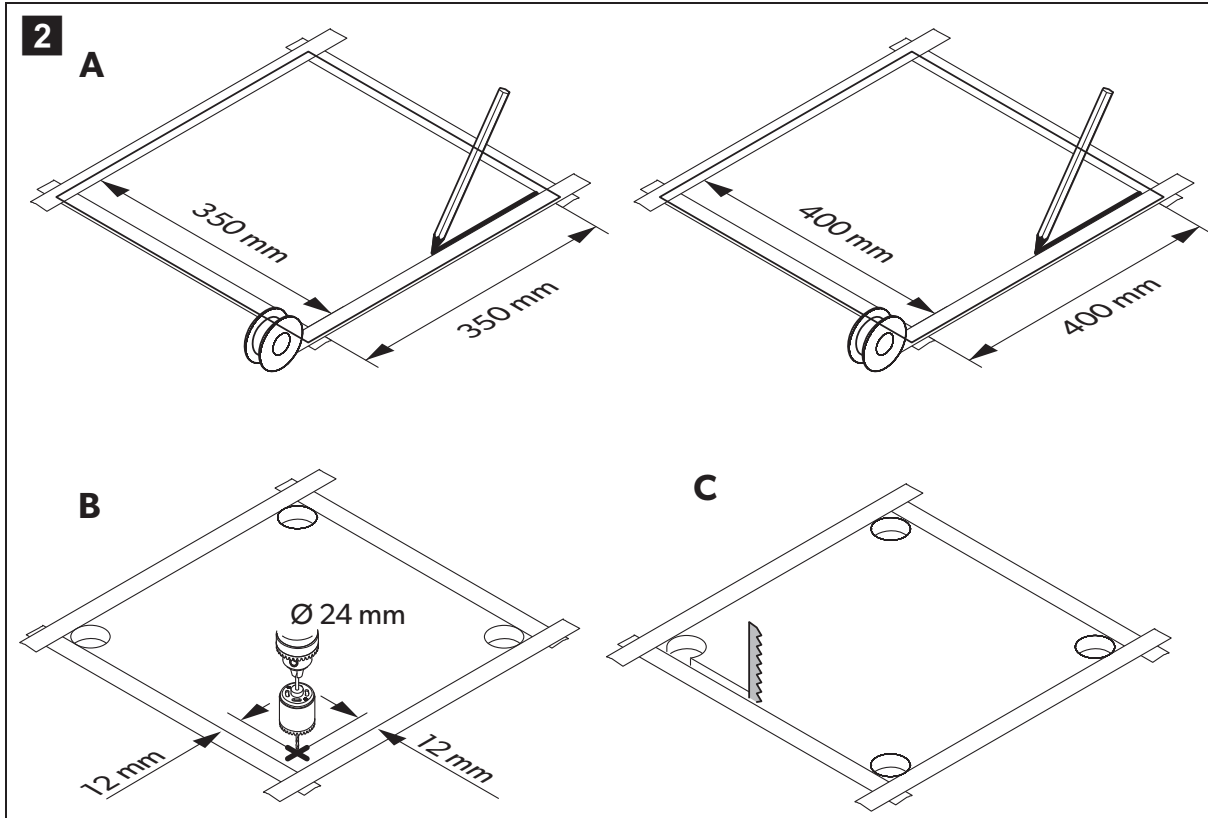


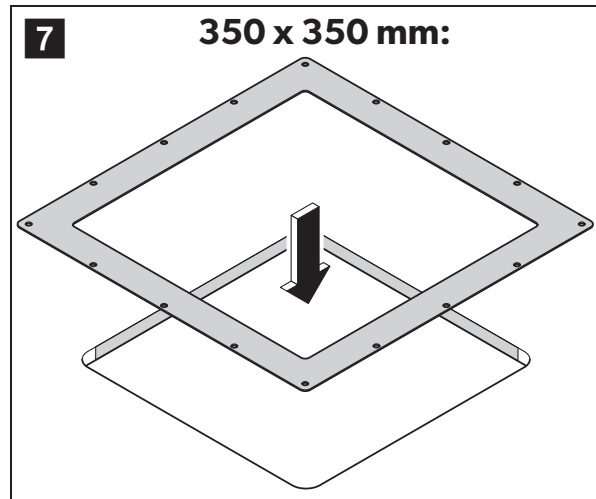
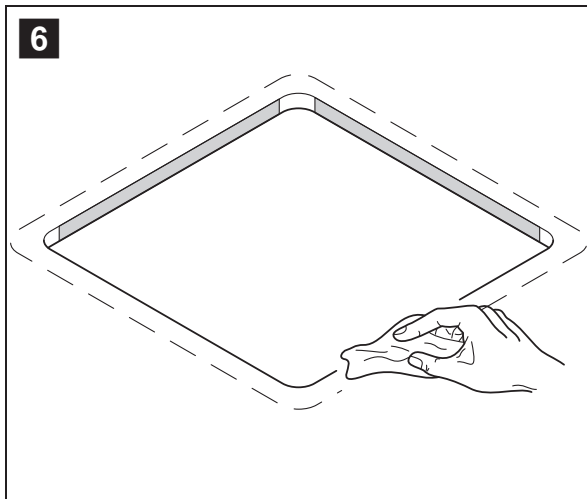
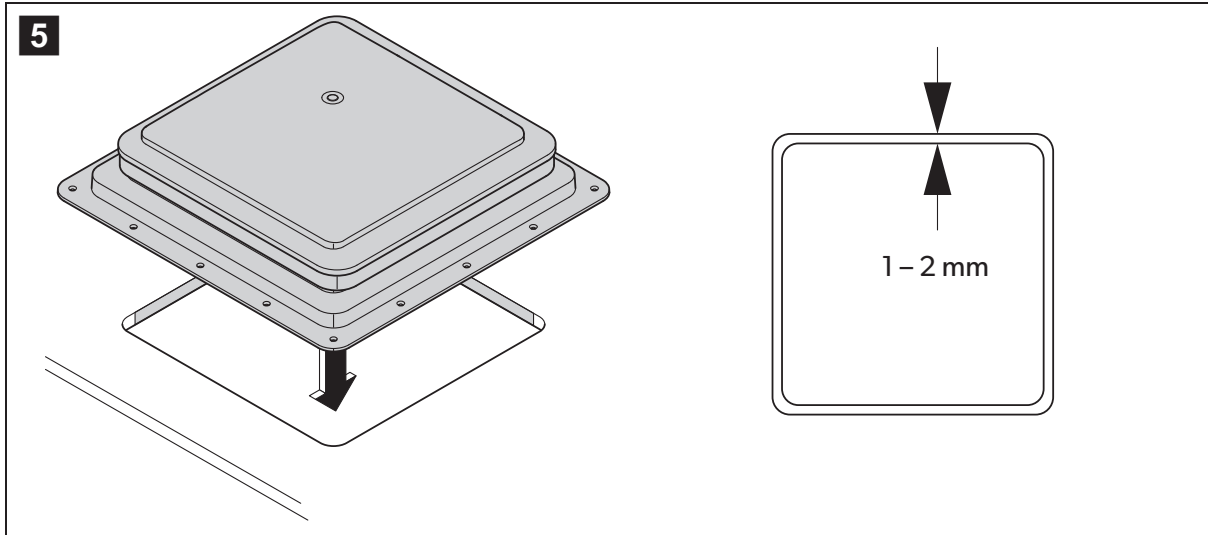
## FanTastic Vent

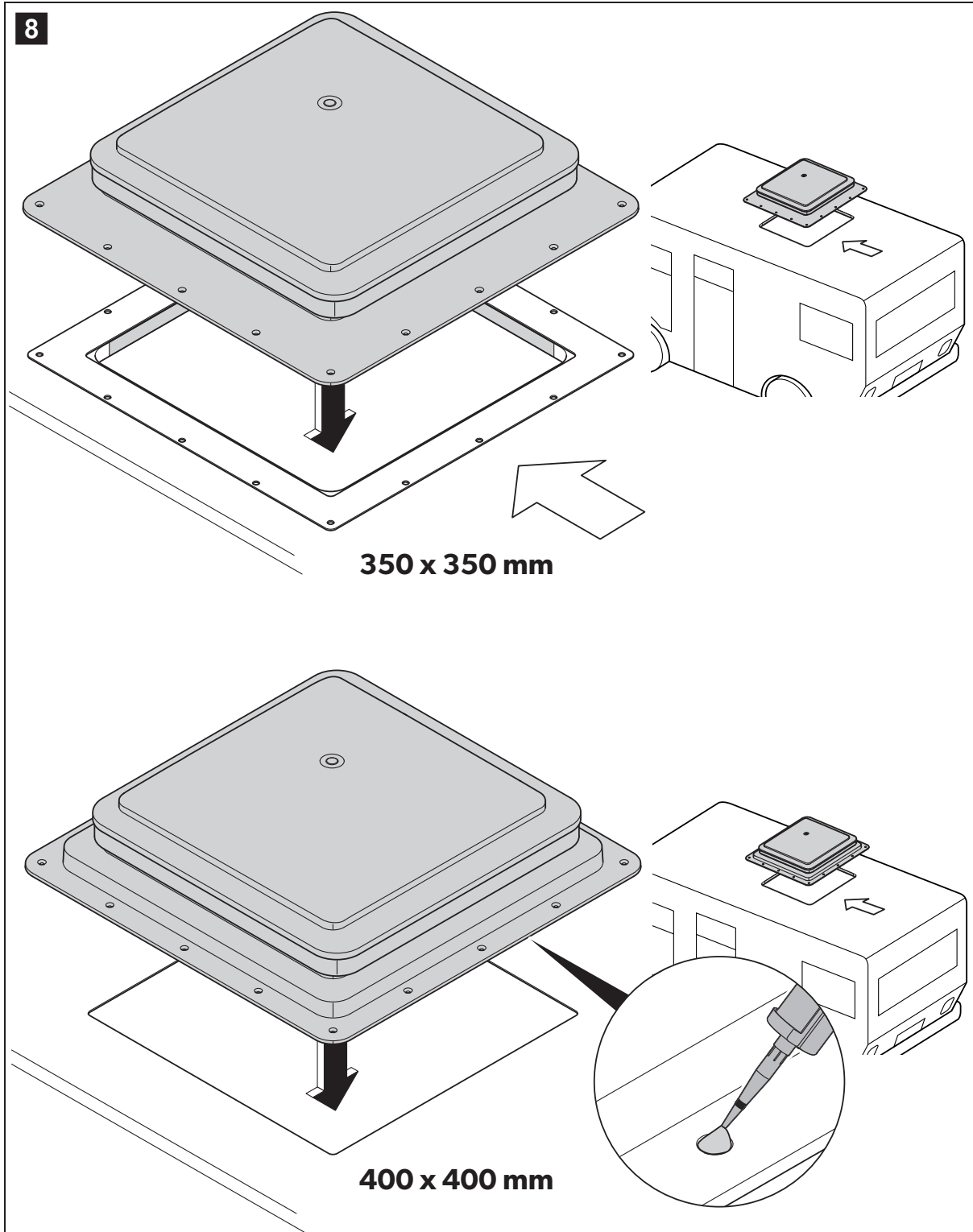
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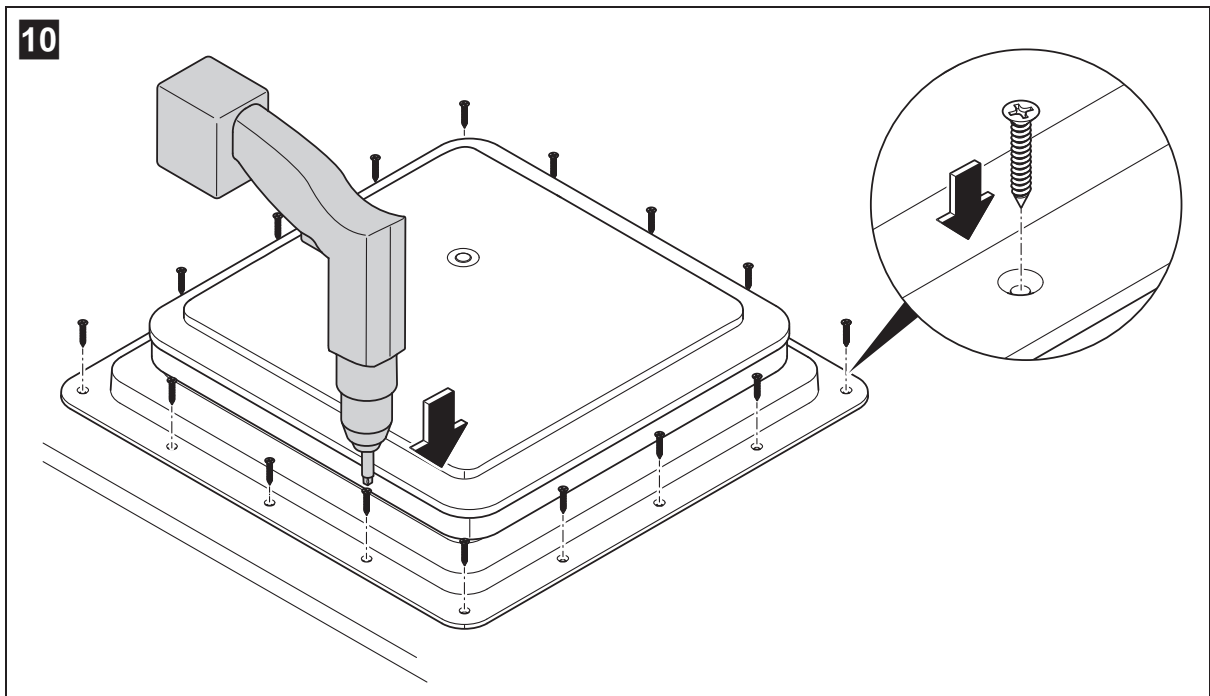
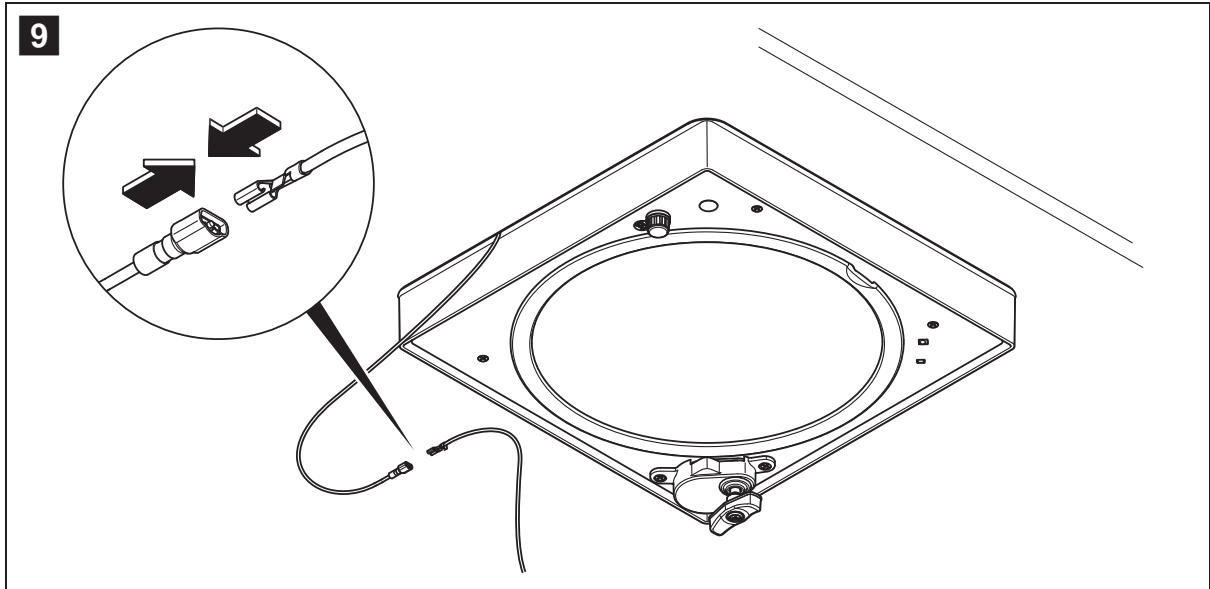




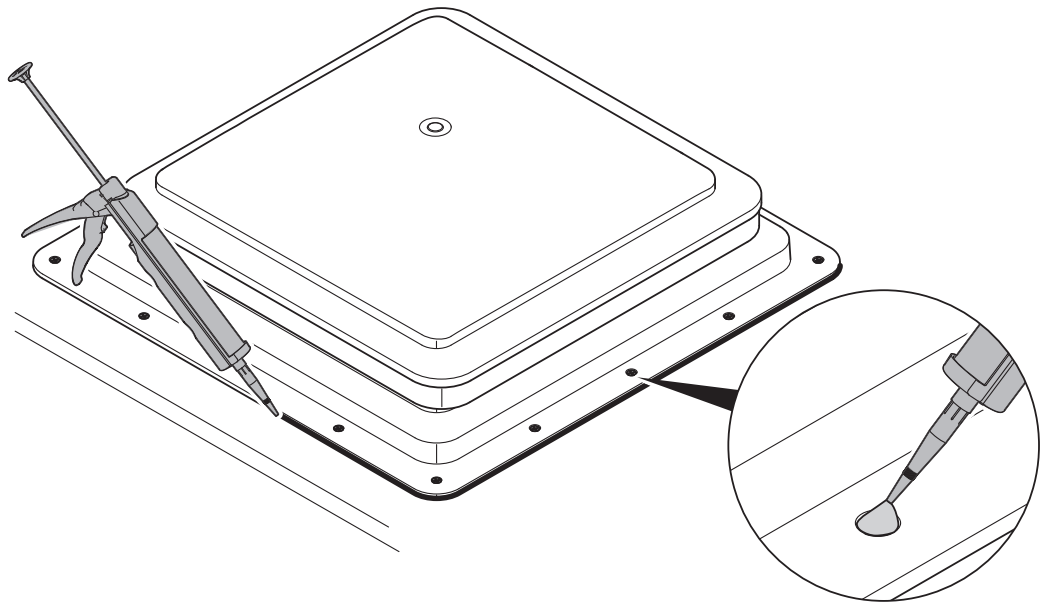




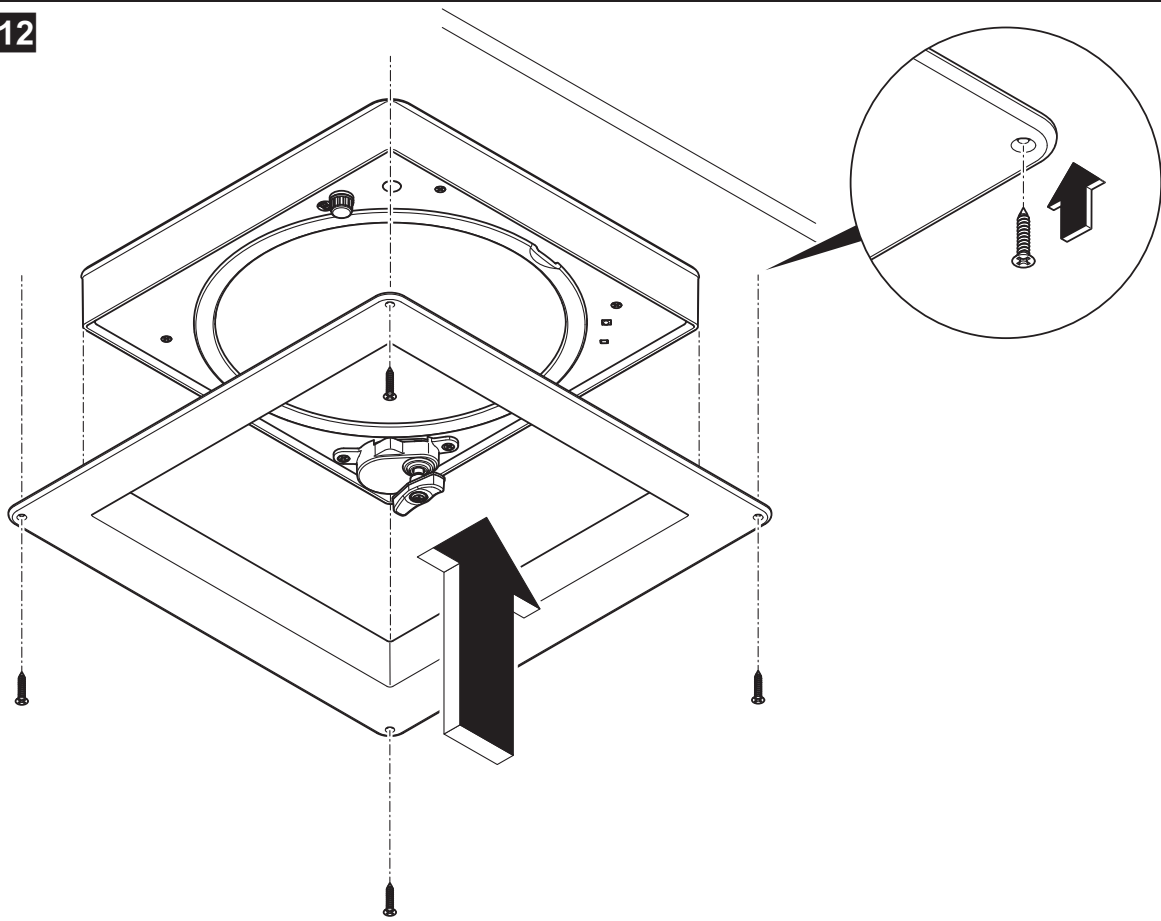




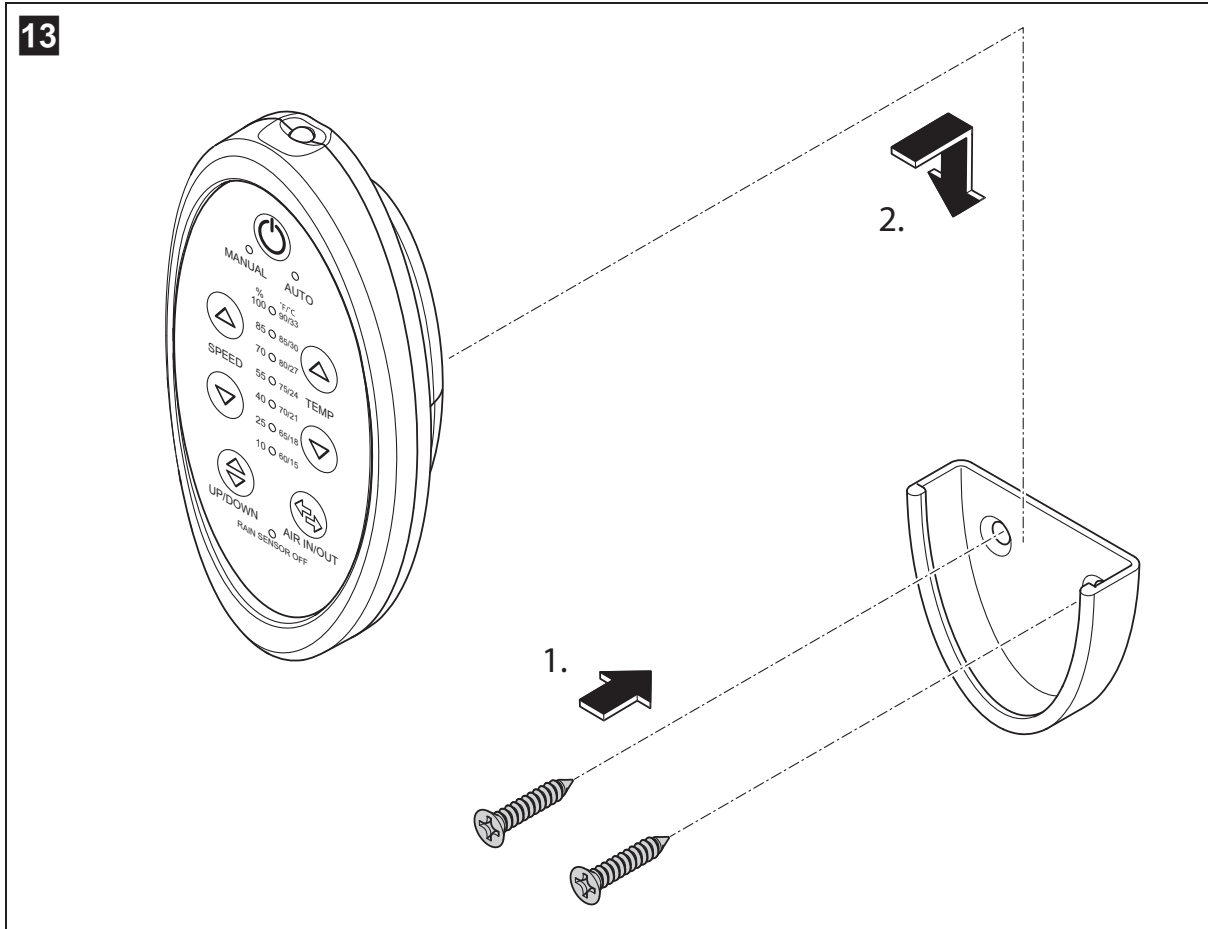
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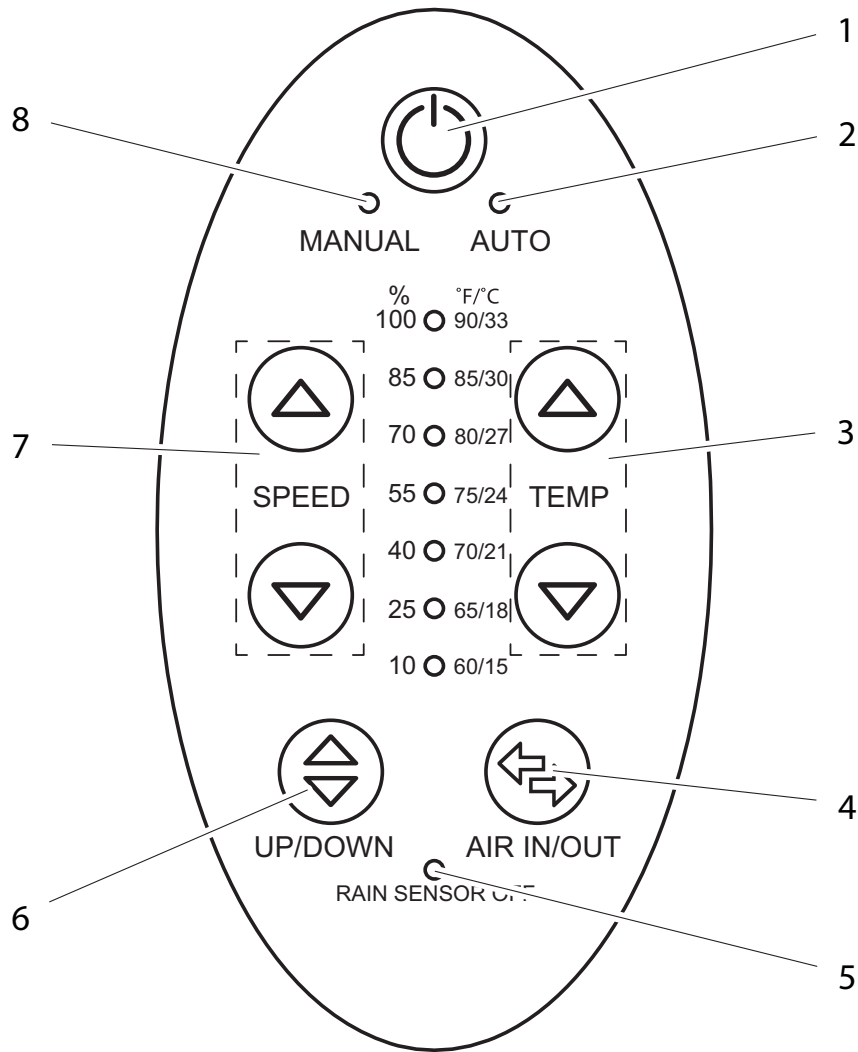
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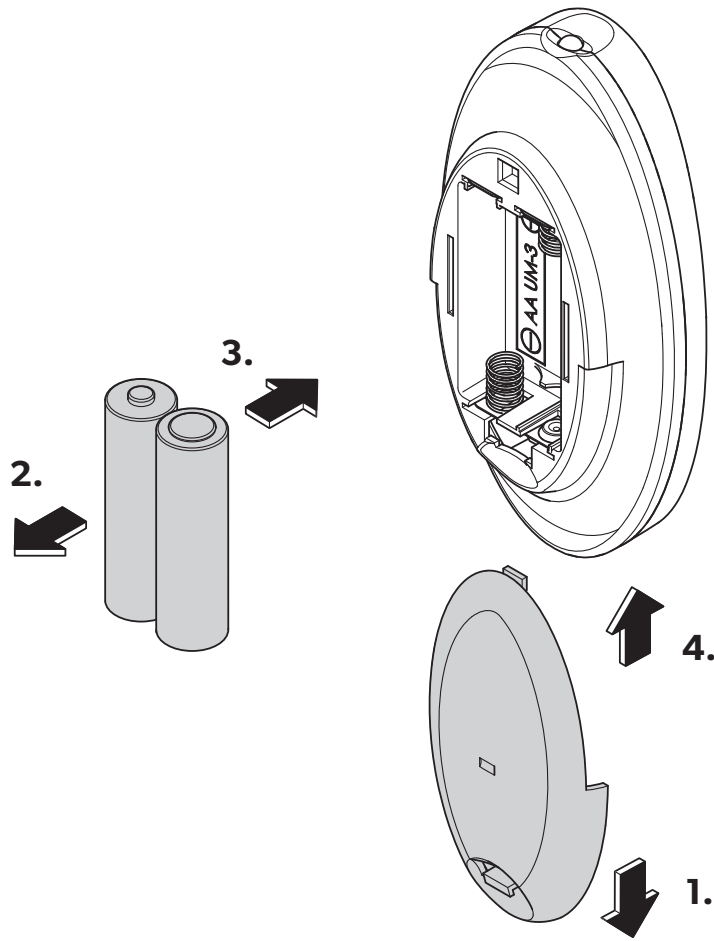




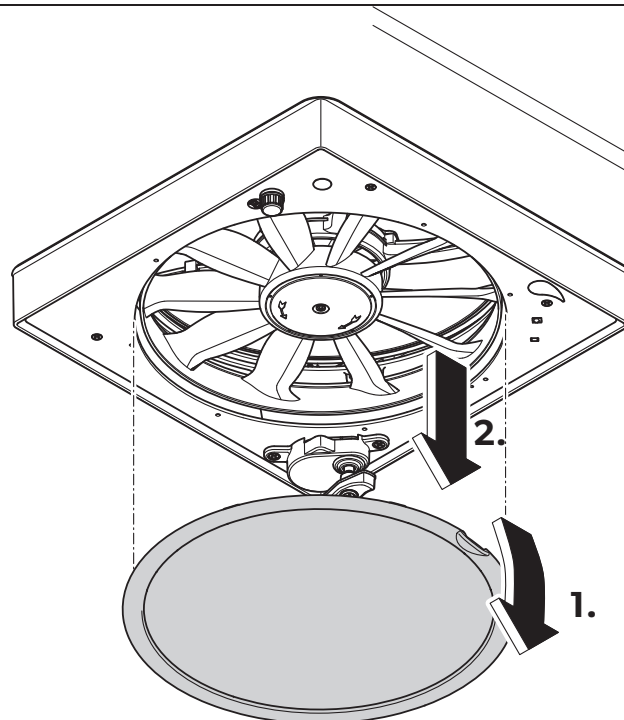
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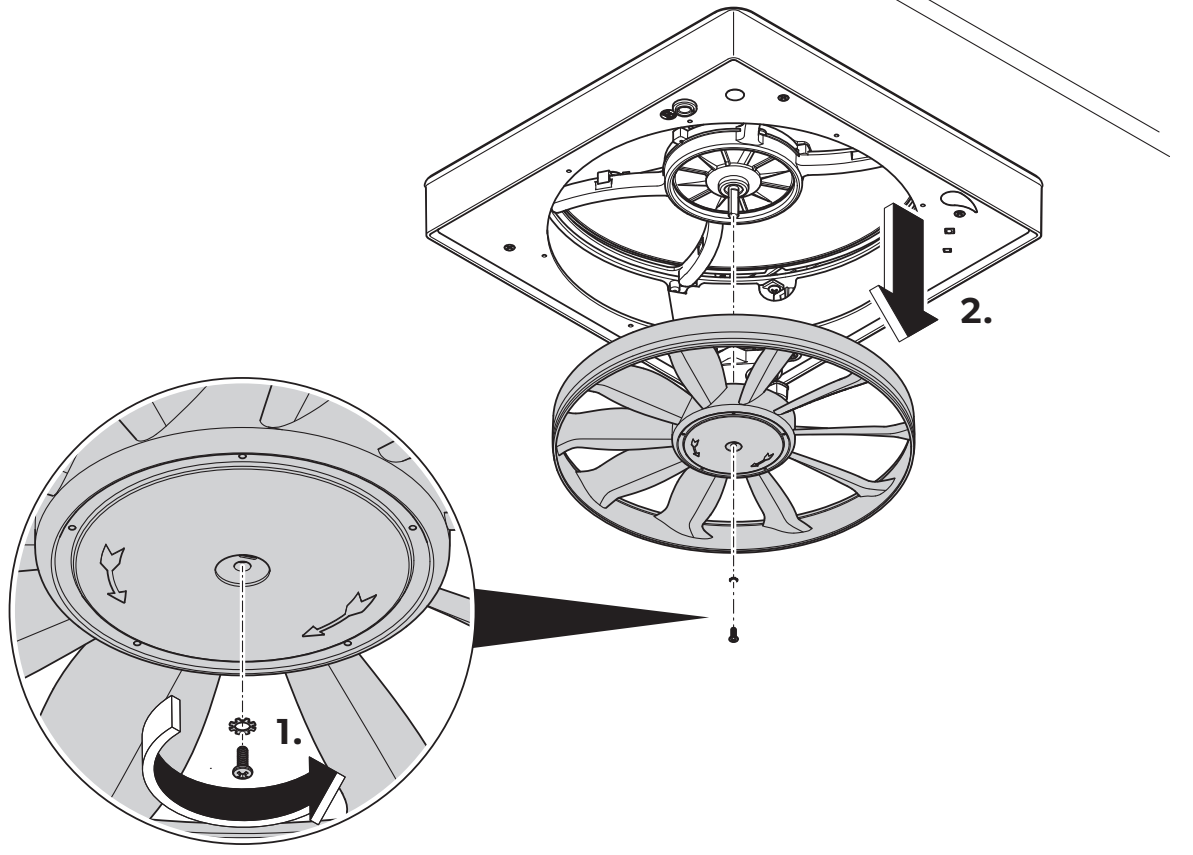
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**Please read this instruction manual carefully before installation and first use, and store it in a safe place. If you pass on the product to another person, hand over this instruction manual along with it.**

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# 1 Explanation of symbols

**WARNING!**

**Safety instruction:** Failure to observe this instruction can cause fatal or serious injury.

**CAUTION!**

**Safety instruction:** Failure to observe this instruction can lead to injury.

**NOTICE!**

Failure to observe this instruction can cause material damage and impair the function of the product.

# 2 Safety instructions

**Please observe the prescribed safety instructions and stipulations from the vehicle manufacturer and service workshops.**

The manufacturer accepts no liability for damage in the following cases:

- Damage to the product resulting from mechanical influences
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in the operating manual

Please note the following:

- If faults or disturbances occur, consult a specialist workshop immediately.
- Risk of breakage! Do not tread on the plastic dome.
- Before starting your journey, check that the roof light is closed.
- Before starting your journey, check the roof light for damage (such as tension cracks in the cover hood).
- Do **not** open the roof light while driving.
- Do **not** open the roof light in strong wind or rain.
- Close the roof light if it rains or snows.
- Do **not** leave the vehicle with the roof light open.

- Keep the roof light free of snow and ice.
- Close the cover hood of the roof light, before the vehicle is in motion.
- With closed cover hood, do not exceed the maximum travel speed of 150 km/h.

### 3 Scope of delivery

Quantity	Description
1	Roof light with fan
1	Seal (only for 350 x 350 mm fan base)
1	Inner frame
6	Fastening screws (3/4" (19.05 mm)) for the inner frame
8	Fastening screws (1" (25.4 mm)) for the roof installation of the fan
1	Remote control (only 7350, 7300)
1	Installation and operating manual

### 4 Intended use

This roof light with FanTastic Vent fan is suitable for installation in motor homes and caravans.

The cover hood of the roof light **must** be closed, before the vehicle is in motion.

With closed cover hood, the maximum travel speed permitted is 150 km/h, as noise or damage could occur depending on the vehicle design or installation position.

## 5 Technical description

### 5.1 Components

No. in fig. <b>1</b> , page 3	Description
1	Cover hood
2	Top grille ring
3	Fan blades
4	Fan blade screw
5	Fan base
6	Grille assembly
7	Hoist motor assembly
8	Bottom grille ring

## 6 Instructions before installation

- Before installation, check the roof thickness of your vehicle. Consult the vehicle manufacturer if you have any questions.
- When choosing the installation location, observe the following:
  - Select the installation location so that it is as near to a 12 V connection as possible.
  - Adjoining components (roof rack or attachment and reinforcing parts), cables and cabinets in the vehicle interior must not get damaged when sawing the hole.
  - Only fit the roof light on flat and parallel interior and exterior roof areas with a maximum inclination of 15° to the horizontal.

You may use an existing roof hole provided the roof light fits into it.



## 6.1 Pressing out the hole

See fig. **2**, page 4

## 6.2 Using the reinforcing rails

Proceed as follows (fig. **3**, page 4):

- Before installation, check whether the roof opening needs reinforcing.
- Remove the foam according to the width of the reinforcing rails (not in scope of delivery) (**A**).
- Fit the reinforcing rails (**B**).

# 7 Installing the device



### **WARNING! Beware of injury!**

Disconnect the vehicle power supply before you begin and make sure it cannot be restarted.

- Run the 12 V connection through the roof.
- Trim the inner frame depending on the thickness of the roof (fig. **4**, page 4).
- Check that the roof light has sufficient space around it (approx. 1 to 2 mm) in the roof opening (fig. **5**, page 5).
- Clean the roof opening in the mounting area (fig. **6**, page 5).
- Place a gasket or sealant around the roof opening (fig. **7**, page 5).
- Check the direction of travel when installing (fig. **8**, page 6).
- Make sure the cover hood hinge is towards the direction of travel.
- Place the roof light into the middle of the roof opening (fig. **8**, page 6).
- Connect the cable to the 12 V connection (fig. **9**, page 7).
- Check the fan works properly.
- Screw the roof light to the roof tightly. Use all the screw holes provided to do this (fig. **10**, page 7).
- Seal the roof light (fig. **11**, page 8).
- Seal the screw heads (fig. **11**, page 8).

- If the roof is thinner than 25 mm, use the spacer (accessory).
- Install the inner frame (fig. **12**, page 8).
- After installing, check again the fan works properly.
- If necessary, enter the new vehicle height and weight in the vehicle documents.






## 7.1 Mounting the holder for the remote control (7350, 7300)

- Fasten the holder of the remote control onto the wall with two screws (fig. **13**, page 9).

# 8 Using the device (7350, 7300)


## 8.1 Control elements

The remote control has the following buttons and displays:


No. in fig. <b>14</b> , page 10		Description
1		To switch the fan on/off
2		"Auto" LED
3		To set the temperature
4		To set the outlet/inlet air (for 7350 and 6350 only)
5		"Rain Sensor Off" LED
6		Press briefly: To open/close the cover hood Press for 3 seconds: To switch the rain sensor on/off
7		To set the fan speed
8		"Manual" LED

The fan control confirms commands from the remote control with a beep. If a single beep is not emitted, the command has not been received.

A double beep indicates that a command is not permitted.



The remote control goes into standby mode to conserve the battery 30 seconds after entering the last command. To activate the remote control, press any button on the remote. The last temperature or speed setting before it goes into standby is displayed. If the remote control is switched off manually with the  button, all the settings are reset.

## 8.2 Opening and closing the cover hood

- Briefly press the  button.
- ✓ The cover hood opens.
- Briefly press the  button.
- ✓ The cover hood closes.





## 8.3 Switching the fan on and off

The fan is fitted with a safety switch. You can only switch on the fan if the cover hood is open.

- Open the window on the shady side of the caravan.
- Press the  button.
- ✓ The fan starts automatically.
- Press the  button.
- ✓ The fan switches itself off.
- ✓ The cover hood closes.





## 8.4 Setting the temperature

The temperature can be set at 13 levels. The set temperature is displayed with an LED on the remote control in °F and °C (60 – 90 °F/15 – 33 °C). If two LEDs light up, the temperature setting is in the middle between the illuminated values. (Example: If the LEDs for 80 °F and 85 °F light up, the setting is at approx. 83 °F/28 °C).

- Press the  or  (temperature) button to change to the automatic mode.
- ✓ The “Auto” LED lights up.
- Press the  button to increase the required temperature.
- Press the  button to decrease the required temperature.

## 8.5 Setting the fan speed



The fan can be operated at 13 speeds. The fan speed is displayed with an LED on the remote control from 10 % (low speed) to 100 % (high speed). An LED lights up next to the percentage value of the fan speed. If two LEDs light up, the temperature setting is in the middle between the illuminated percentage values.

- Press the  or  (speed) button to change to the manual mode.
- ✓ The "Manual" LED lights up.
- Press the  button to increase the speed.
- Press the  button to decrease the speed.

## 8.6 Switching the outlet/inlet air

- Press the  button.
- ✓ The fan switches from outlet air to inlet air and vice versa.

## 8.7 Switching the rain sensor on and off

- Press and hold the  button for 3 seconds.
- ✓ The rain sensor switches itself off.
- ✓ The "Rain Sensor Off" LED lights up.
- Press and hold the  button for 3 seconds.
- ✓ The rain sensor switches itself on.
- ✓ The "Rain Sensor Off" LED goes out.

## 8.8 Replacing the batteries

The remote control operates with two AA batteries (included in delivery).

To change the batteries (fig. **15**, page 11), proceed as follows:

- Open the cover of the battery compartment on the back of the remote control.
- Replace the old batteries with two new AA batteries. Make sure that the positive and negative terminals of the batteries correspond to the positive and negative markings in the battery compartment.
- To close the battery compartment, place the alignment tab into the square hole on the back of the remote control.
- Press the lid of the battery compartment down until the catch clicks into place.

# 9 Using the device (3300, 3350)

## 9.1 Control elements

The fan has the following control elements:

- A switch with four speeds (0: off, 1: low, 2: medium, 3: high)
- Rocker switch for opening/closing the cover hood (UP/DOWN)
- On/Off switch (3300 only)
- Reversing switch for outlet/inlet (3350 only)
- Thermostat switch

## 9.2 Opening and closing the cover hood

- Press UP.
- ✓ The cover hood opens.
- Press DOWN.
- ✓ The cover hood closes.

### 9.3 Switching the fan on and off

- Open the window on the shady side of the caravan.
- Set the required speed on the fan.
- Press UP.
- Set the fan, if required, to inlet (IN) or outlet (OUT).
- If required, turn the on/off switch to ON.

### 9.4 Switching to inlet/outlet (3350 only)

- Turn the reversing switch to OFF (centre position).
- Wait until the fan blades have come to a complete standstill.
- Set the reversing switch to the required rotating direction.

### 9.5 Setting the thermostat

You can set the thermostat switch between blue and red (–5.5 °C to 50.5 °C / 22 °F to 123 °F). The fan motor switches itself on or off according to the interior temperature and thermostat setting.

When the set temperature is reached, the fan motor switches off and the cover hood remains open.

When the thermostat calls for cooling, the fan motor switches on automatically.

Requirements:

- Cover hood is open by at least 5 cm (2 inches)
- Reversing switch is set to OUT (outlet) or IN (inlet) (3350)
- On/Off switch is set to ON (3300)

### 9.6 Rain sensor

If the rain sensor comes into contact with moisture, the cover hood closes and the fan motor is switched off.

- Press UP to open the cover hood again.
- ✓ The fan starts working again with the previous settings.
- ✓ The rain sensor is only activated again once it has dried.

## 10 Using the device (2250)

### 10.1 Opening and closing the cover hood

- Open the cover hood approx. 10 cm or more.
- ✓ The safety switch starts the fan not before the cover hood is partially open.
- Adjust the power level with the rotary control switch.
  - 0: Off
  - 1: Lowest power level
  - 2: Middle power level
  - 3: Highest power level
- For an air exchange, open a window or a door.
- ✓ To get the best air exchange, close all other roof openings and open exactly one window, which has the greatest distance from the device.

## 11 Maintaining and cleaning the device

### 11.1 Replacing the fuse

- Turn the black cap anti-clockwise by one-quarter turn.
- Pull the cap down gently. The fuse is on the back of the cap.
- Check whether the wire is defective within the glass.
- If necessary, remove the fuse from the cap.
- Insert a new fuse of the same type (4 A fuse).
- Screw the cap back on again tightly.

## 11.2 Cleaning the fan blades

To do this, proceed as follows (fig. **16**, page 11, fig. **17**, page 12):

- Open the cover hood completely.
- Remove the safety catch.
- Remove the grille ring by holding the tab with one hand and pulling straight down.  
Support the grille assembly with the other hand to protect the grille ring from breaking. Removing the grille ring may initially be difficult but once you have disassembled it several times it gets easier.
- Hold the fan blades with one hand so that it does not rotate and remove the screw from the hub surface in the middle of the fan blade.
- Hold the fan blades with both hands and pull down firmly.  
Move the fan blades bit by bit vertically and horizontally if necessary, so that it slides off the motor shaft.
- Clean the grille ring and the fan blades
  - with window cleaner
  - with non-abrasive detergent and warm water
  - in a dishwasher
- Once the grille ring and fan blades are clean and dry, you can apply a water-based protective agent and polish the grille ring and fan blades to a high gloss. This reduces dust and dirt deposits and makes cleaning easier.
- Reassemble the fan again by following the steps in reverse order.



### **CAUTION! Beware of injury.**

Only use the fan when the grille ring is fitted.



### 11.3 Loosening the cover hood when stuck

In warm weather, it is possible that the seal dries up and the cover hood sticks to it.

- Open the cover hood completely.
- If the seal is damaged, replace the seal.
- Clean the underside of the cover hood and the seal with methylated spirits or solvent.
- If available, apply a water-based protective agent (e.g. 303 Protectant).
- Leave the protective agent to dry.
- Polish the cover hood with a soft cloth.
- Apply an even layer of silicone on the seal.

### 11.4 Looking after the remote control

- Keep the remote control dry. If it gets wet, wipe it dry immediately.
- Only use and store the remote control in environments with normal temperatures.
- Keep the remote control clean. If necessary, wipe it with a damp cloth.
- Be careful when using the remote control. Do not drop it.

## 12 Warranty

The statutory warranty period applies. If the product is defective, please contact the service partner in your country (addresses on the back on the instruction manual).

Our experts will be happy to help you and will discuss the warranty process with you in more detail.

## 13 Disposal

- Place the packaging material in the appropriate recycling waste bins wherever possible.



If you wish to finally dispose of the product, ask your local recycling centre or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.

## 14 Technical data

	<b>FanTastic Vent 7350</b>
Voltage:	12 V <sub>DC</sub>
Max. power consumption:	30 W
Noise level:	< 40 dB(A)
Dimensions W x D x H:	471 x 471 x 190 mm
Weight:	5 kg

	<b>FanTastic Vent 2250 – 7300</b>
Voltage:	12 V <sub>DC</sub>
Max. power consumption:	36 W
Noise level:	< 40 dB(A)
Dimensions W x D x H:	471 x 471 x 190 mm
Weight:	5 kg

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