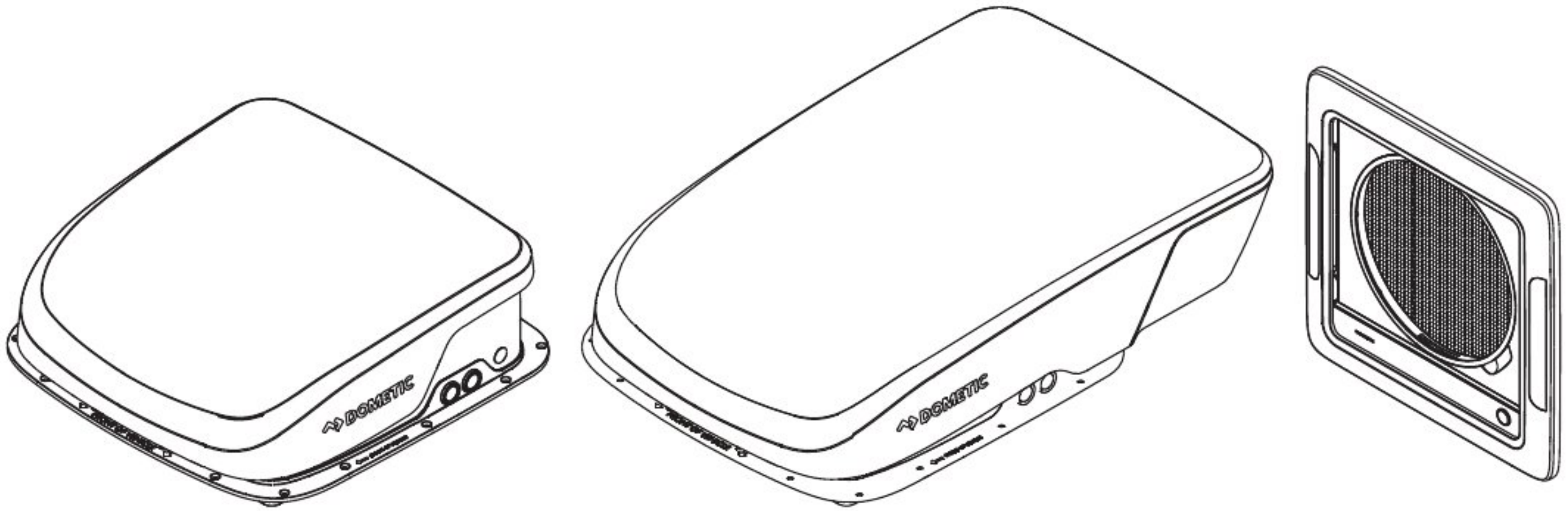




AC AND VENTILATION

DOMETIC FAN



FA75, FA95, FV60, FV70, FV90, FV95

EN

Fan-Tastic Vent 2

Installation and Operating Manual..... 3

FR

Fan-tastic Vent 2

Instructions de montage et de service..... 19

ES

Fan-Tastic Vent 2

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WARNING

Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see www.P65Warnings.ca.gov/motor-vehicle-parts.

English

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1 Important notes

Please read these instructions carefully and follow all instructions, guidelines, and warnings included in this product manual in order to ensure that you install, use, and maintain the product properly at all times. These instructions **MUST** stay with this product.

By using the product, you hereby confirm that you have read all instructions, guidelines, and warnings carefully and that you understand and agree to abide by the terms and conditions as set forth herein. You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines, and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations. A failure to read and follow the instructions and warnings set forth herein may result in an injury to yourself and others, damage to your product or damage to other property in the vicinity. This product manual, including the instructions, guidelines, and warnings, and related documentation, may be subject to changes and updates. For up-to-date product information, please visit documents.dometic.com.

2 Explanation of symbols

A signal word will identify safety messages and property damage messages, and also will indicate the degree or level of hazard seriousness.



WARNING!

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION!

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTICE!

Indicates a situation that, if not avoided, could result in property damage.



NOTE Supplementary information for operating the product.

3 Safety instructions



WARNING! To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- › Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- › Before maintain or cleaning the unit, switch power off at service panel and lock service panel disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- › Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes & standards, including fire-rated construction.
- › Sufficient air is needed for proper combustion and exhausting of gases through the flue (Chimney) of fuel burning equipment to prevent back-drafting. Follow the heating equipment manufacturers guideline and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- › When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- › Ducted fans must always be vented to the outdoors.
- › If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) - protected branch circuit.
- › Do not use this fan with any solid-state speed control device.
- › Do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).



CAUTION! Risk of fire, explosion or chemical inhalation

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.



CAUTION!

To reduce the risk of injury to persons, install the fan at least 7 ft (2.1 m) above the floor.

4 Supplemental directives

To reduce the risk of accidents and injuries, observe the following directives before proceeding to install or operate this appliance:

- Read and follow all safety information and instructions.
- Read and understand these instructions before installing, operating, or performing maintenance on this product.

The installation must comply with all applicable local or national codes, including the latest edition of the following standards:

USA

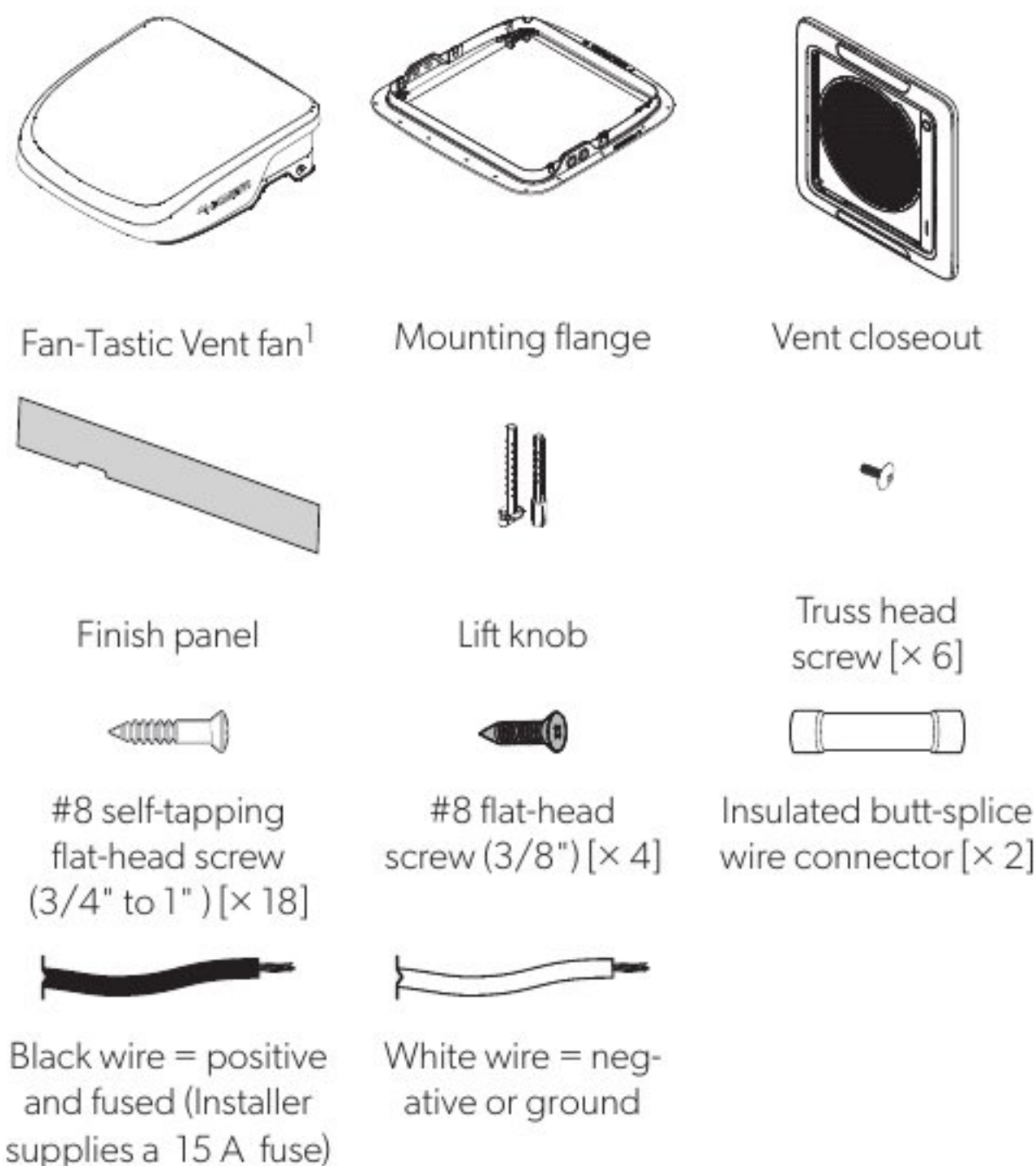
- ANSI/NFPA70, National Electrical Code (NEC)
- ANSI/NFPA1192, Recreational Vehicles Code
- ANSI/RVIA LV, Standard for Low Voltage Systems in Conversion and Recreational Vehicles

Canada

- CSA C22.1 Parts I and II, Canadian Electrical Code
- CSA Z240 RV Series, Recreational Vehicles

5 Scope of delivery

Actual package contents may vary. Refer to the complete parts list (available online at <http://www.dometic.com>) for more information.



¹ The product appearance may vary by models.

6 Accessories

Available as accessories (not included in the scope of delivery):

Description	Part number
Solar connector kit	9610007193
StormHood lid (Slate/Frost)	9610007186 / 9610007190
Remote control	9610007191



Find the installation and operating manual for the solar connector kit online at qr.dometic.com/bfqvAV.



Find the installation and operating manual for the remote control online at qr.dometic.com/bfxB9k.



7 Intended use

The Dometic Fan-tastic Vent 2 is intended to be used for roof ventilation in recreational vehicles, offering optimal airflow control.

This product is only suitable for the intended purpose and application in accordance with these instructions.

This manual provides information that is necessary for proper installation and/or operation of the product. Poor installation and/or improper operation or maintenance will result in unsatisfactory performance and a possible failure.

The manufacturer accepts no liability for any injury or damage to the product resulting from:

- Incorrect installation, assembly or connection, including excess voltage
 - Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer
 - Alterations to the product without express permission from the manufacturer
 - Use for purposes other than those described in this manual
- Dometic reserves the right to change product appearance and product specifications.

8 Installation



WARNING! FIRE OR ELECTRICAL SHOCK HAZARD.
Failure to obey these warnings could result in death or serious injury.

- > This product is designed for 12 V = use only. Do **not** connect the vent fan to 110 V ~.
- > Shut off the gas supply, disconnect the 12 V = power from the RV, and disconnect the positive 12 V = terminal from the supply battery before drilling, cutting into, or wiring the RV.



NOTICE! Circuit board damage

The vent fan is designed to operate on filtered DC current. Do **not** connect the vent fan to unfiltered DC current. Doing so could result in circuit board damage or failure.

8.1 Tools and materials required

Dometic recommends the following tools and materials (not included) to install the product:



Drill

Wire cutter/stripper/
crimping tool

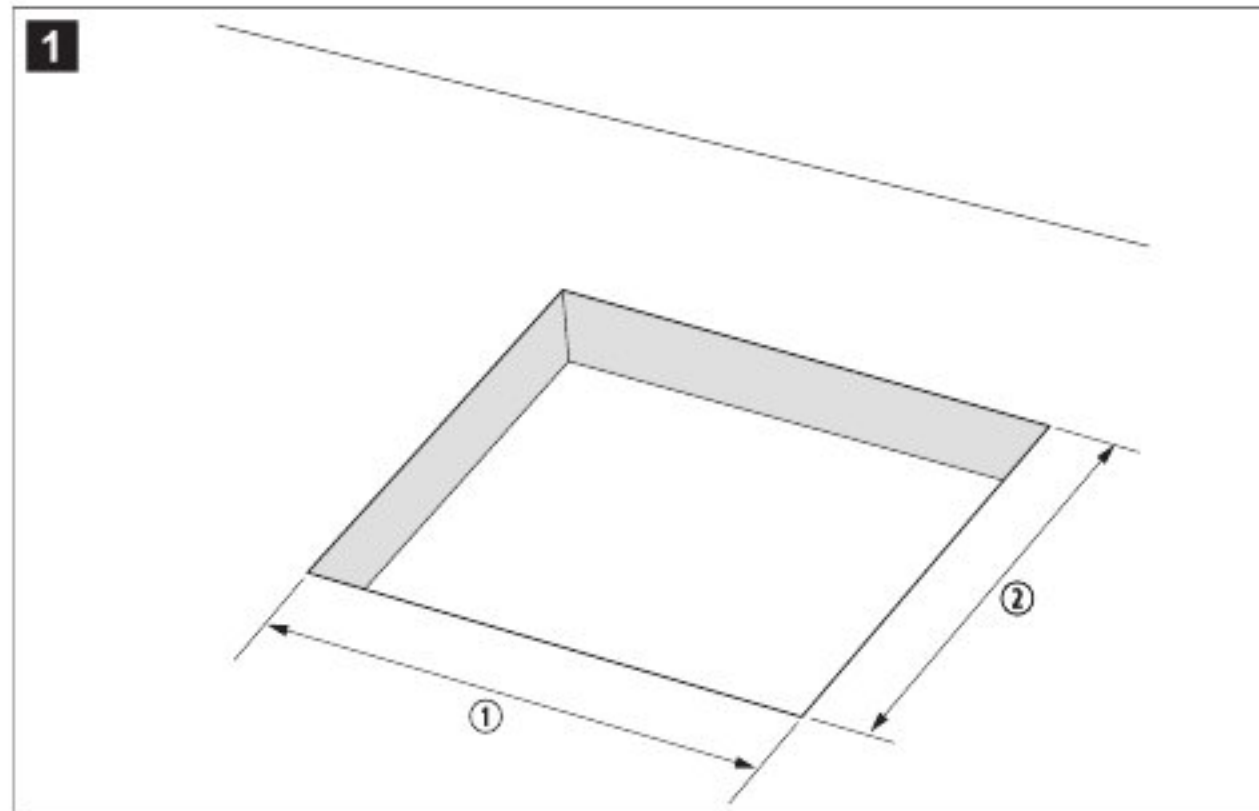
Tape



PVC cutter

8.2 Installation requirements

- 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 an installation location so that it is as near to a 12 V supply as possible.
 - Ensure that cutting the installation hole will not damage adjacent components such as roof racks, attachments, reinforcing parts, cables, or interior cabinets.
 - Only mount the vent on flat and parallel interior and exterior roof areas, with a maximum inclination of 15° to the horizontal.
- The required cut-out dimension is 14 in (355.6 mm) × 14 in (355.6 mm) (± 0.12 in (± 3.2 mm)).



① 14 in (355.6 mm)

② 14 in (355.6 mm)

- If you meet any of the following situations, contact a qualified service professional:
 - If the existing vent opening is not 14 in (355.6 mm) × 14 in (355.6 mm) (± 0.12 in (± 3.2 mm)), resize the opening.
 - If there is no existing vent in the desired location, create a new 14 in (355.6 mm) × 14 in (355.6 mm) opening.
 - If the roof is corrugated or not level, create and install a frame to provide a level platform for the new vent fan.

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

8.3 Preparing the roof opening



NOTE The roof opening must be structurally framed to ensure adequate support and prevent air from being drawn from the roof cavity. Use framing stock with a minimum thickness of 0.75 in (19.0 mm). Additionally, ensure an entrance hole is provided at the front of the opening for power supplies.

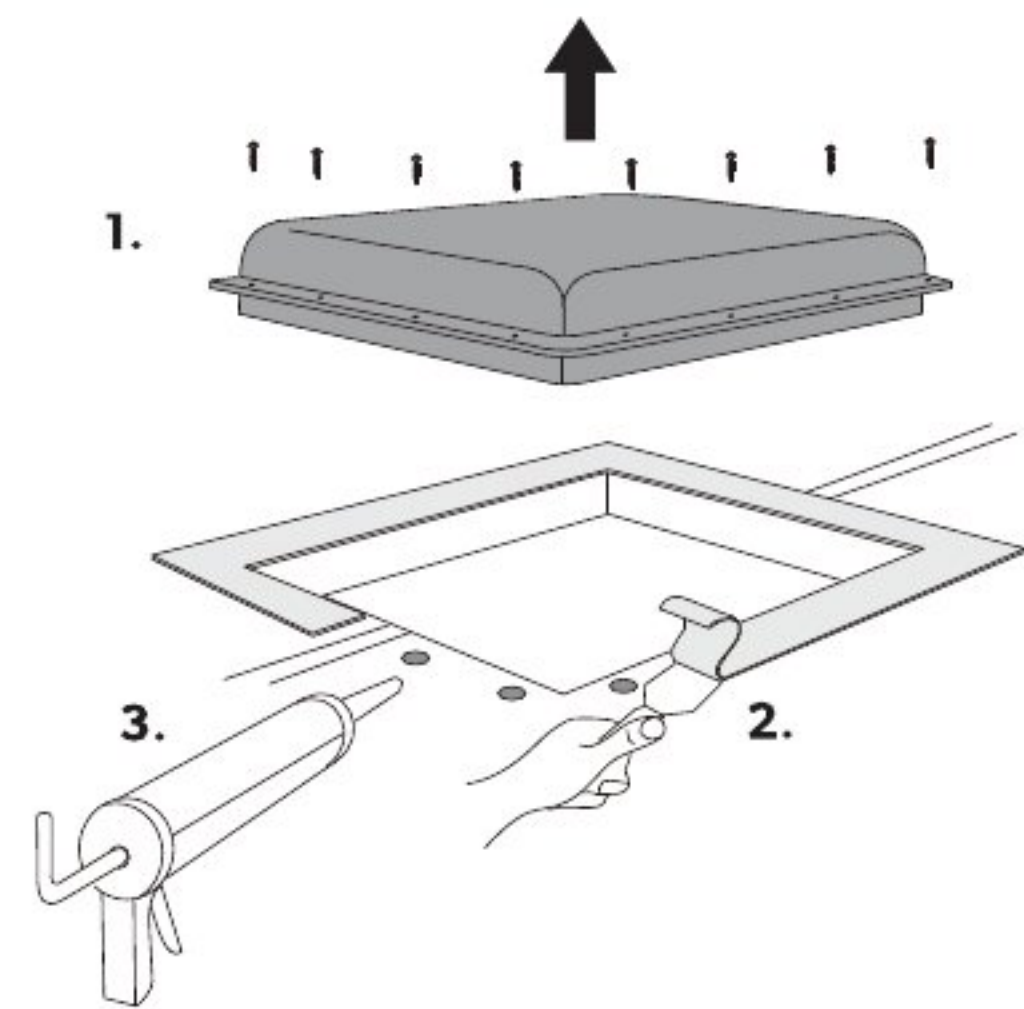
8.3.1 Using an existing roof opening



NOTE If the roof does not have an existing roof vent, skip to Making a new roof opening on page 5.

This section describes how to prepare the RV roof when using an existing vent opening.

2



1. Unscrew and remove the existing roof vent (1 in Fig. 2 on page 5).
2. Remove any caulking compound around the roof or wall opening (2 in Fig. 2 on page 5). A clean surface offers a better seal. Refer to your RV owner's manual for cleaning recommendations.
3. Seal the screw holes and seams where the roof gasket will be located (3 in Fig. 2 on page 5). Use a good grade of all-weather sealant.
4. Measure the roof opening (see Installation requirements on page 5). If the roof opening is within specifications, skip to "Installation on page 4".
5. If the opening needs to be resized, proceed to Making a new roof opening on page 5.
 - a) If the opening exceeds 14 in (355.6 mm) × 14 in (355.6 mm), reduce the size the opening.
 - b) If the opening is less than 14 in (355.6 mm) × 14 in (355.6 mm), enlarge the opening.

8.3.2 Making a new roof opening



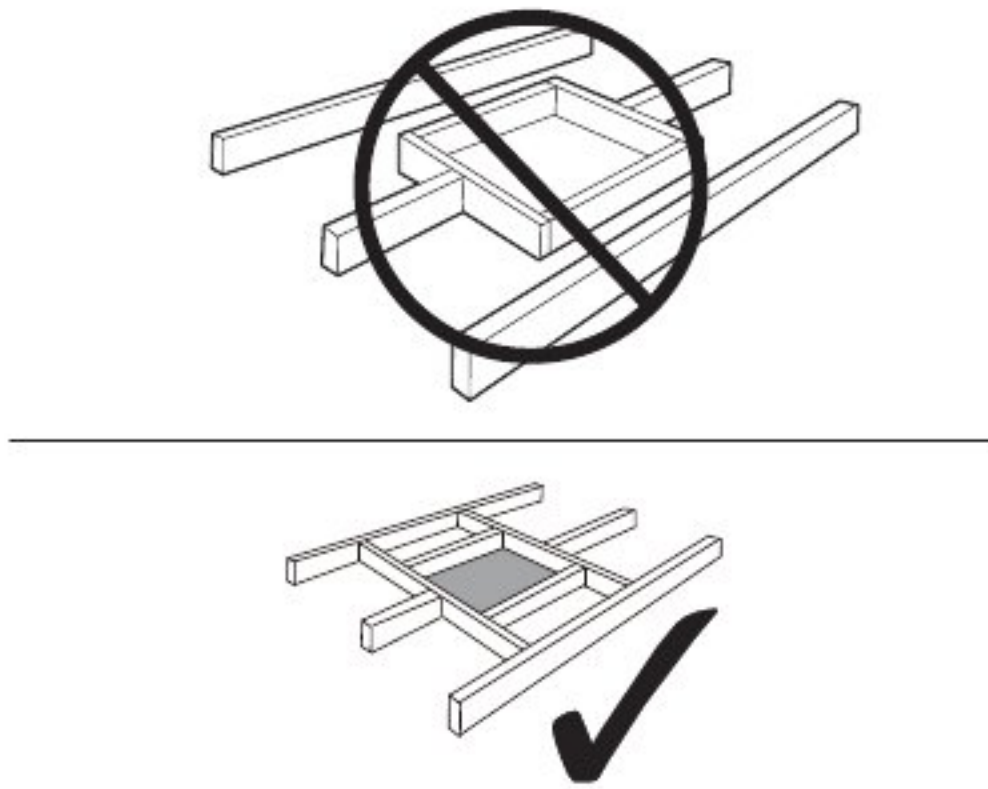
NOTE If the roof has an existing roof vent, see Using an existing roof opening on page 5.

This section describes how to prepare the RV roof when making a new roof opening.

1. Mark the required roof opening according to the required size (14 in (355.6 mm) × 14 in (355.6 mm)) and the recommended location.

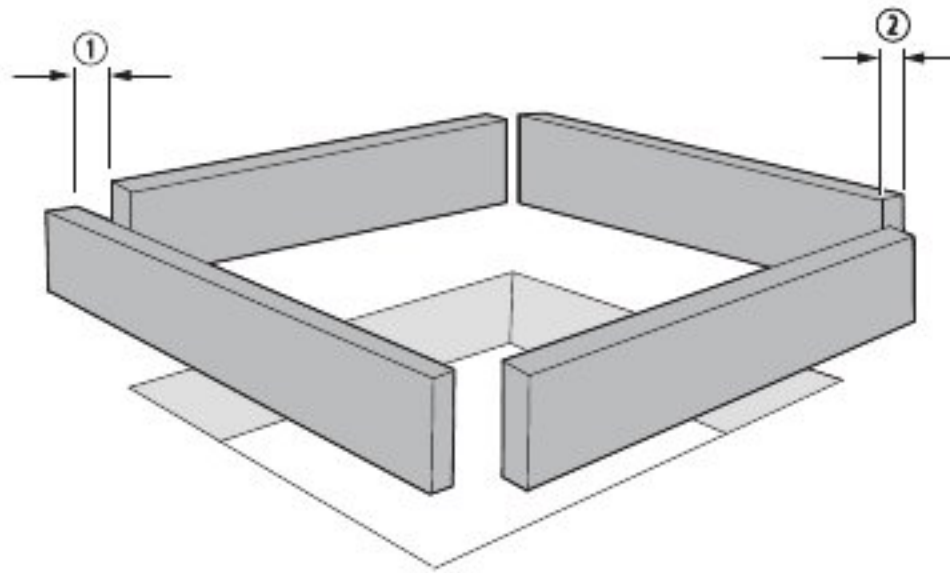
2. Ensure the new opening does not compromise the roof's structural integrity.
 - Do not cut the structure or the rafters.
 - The rafters should remain supported by a cross beam.
 - The roof opening should be between the rafters.

3



3. Carefully cut the required roof opening.
4. If the roof is corrugated or uneven, proceed as follows to create a level platform or contact a qualified service professional.
 - a) Build a frame for the vent opening to offer a level platform for securing the vent to the roof.

4



① 0.25 in (6.4 mm) Opening for the power supply wiring ② 0.75 in (19.0 mm)

- b) At the front of the frame opening, leave access for the power supply wiring to pass into the interior through the frame.
5. Use the roof opening as a guide, cut a matching hole in the ceiling of the RV interior.

8.4 Forming the finish panel

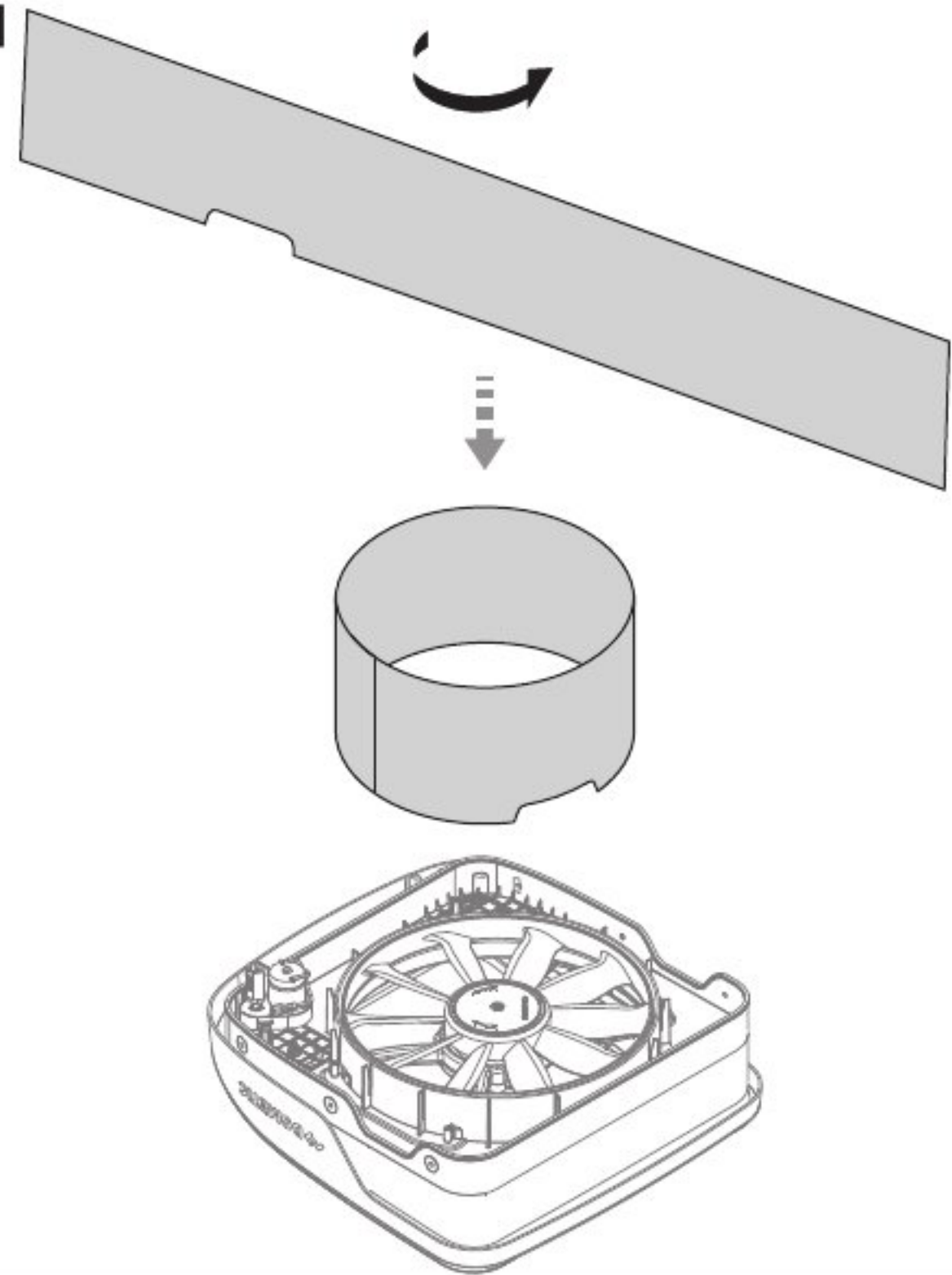
1. Flip the vent upside down onto the lid to expose the underside.



NOTE Be careful not to scratch or scuff the lid in the process.

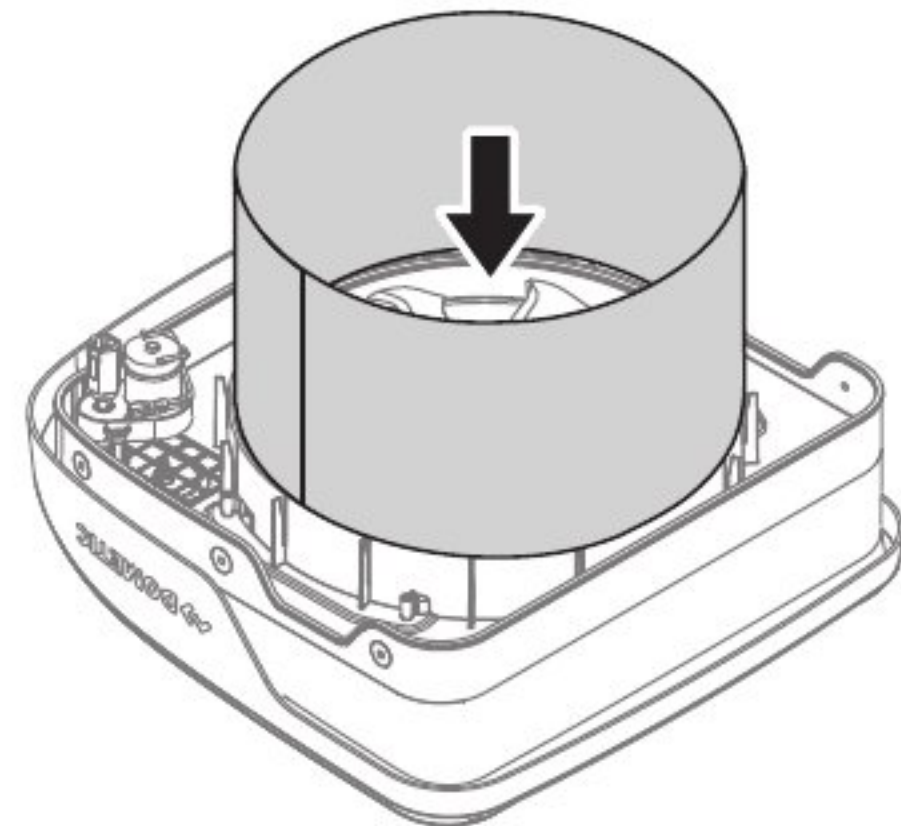
2. Shape the finish panel into a circle and align the notch with the rear of the fan assembly.

5



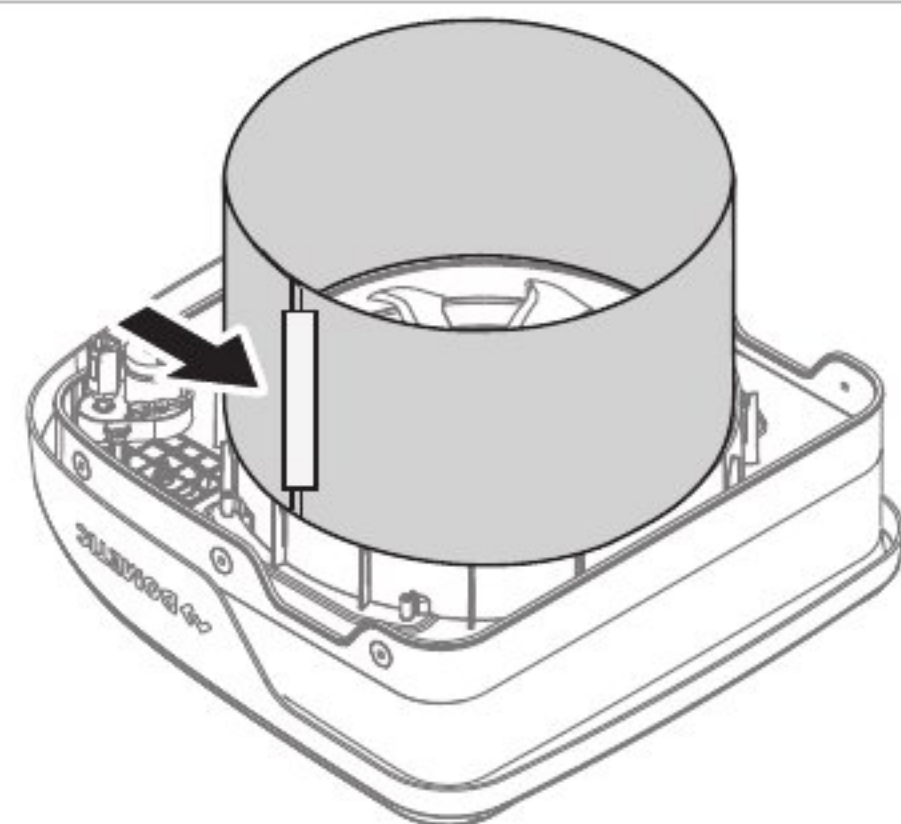
3. Insert the finish panel into the securement tabs on the fan frame, ensuring a tight fit.

6



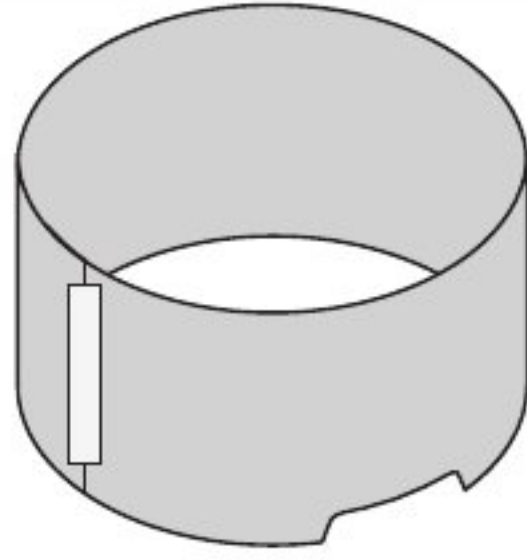
4. Apply a piece of tape along the seam where the material overlaps.

7



5. Remove the formed finish panel from the vent.

8

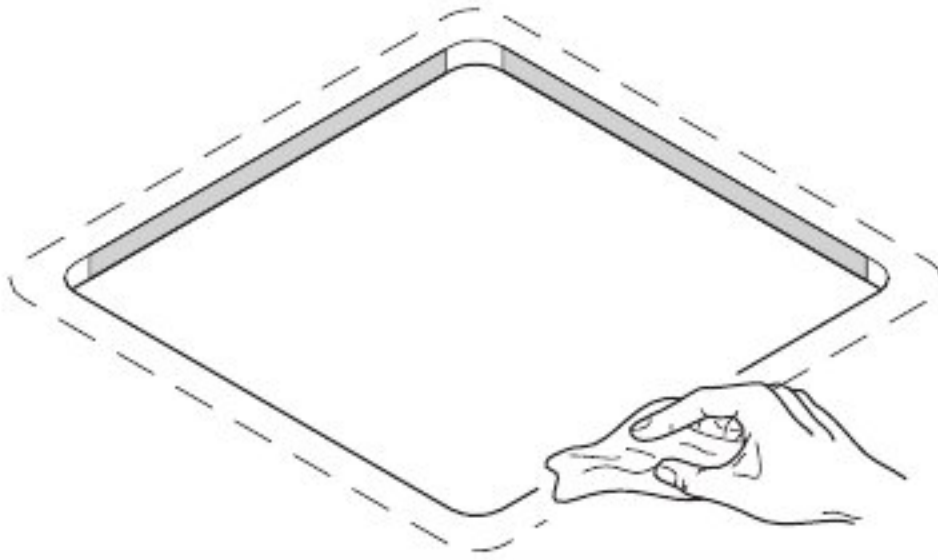


NOTE For information about cutting the finish panel to the correct size, see "Resizing the finish panel on page 8".

8.5 Installing the vent fan

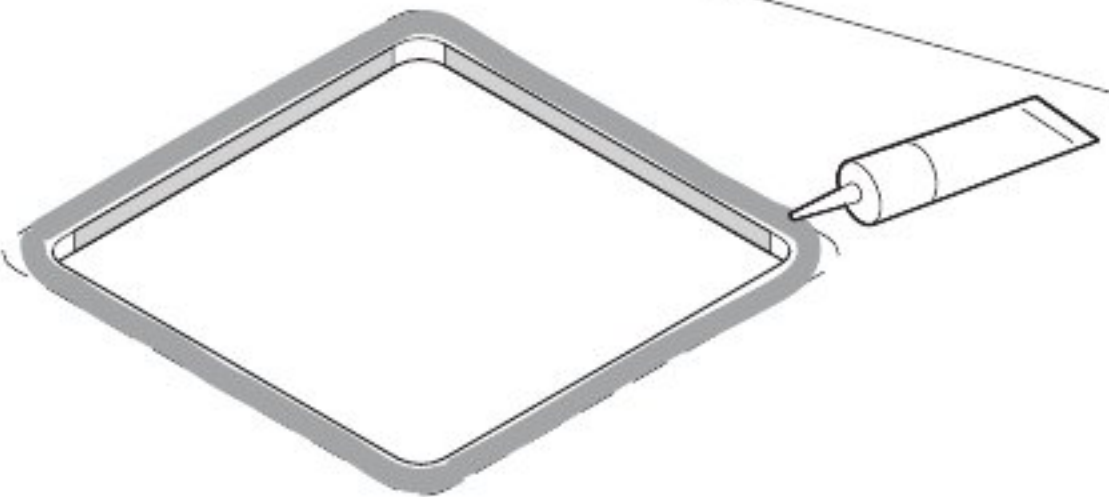
1. Move the vent fan to the exterior roof opening.
2. Clean the roof opening in the mounting area.

9



3. Apply sealant or butyl tape around the roof opening.

10



4. Position the mounting flange over the exterior roof opening, ensuring the sealant is "sandwiched" between the bottom of the mounting flange and the roof opening.



NOTE If positioning the mounting flange on the roof, the lid hinge should face the direction of the travel.



NOTE If positioning the vent fan on the side of the RV (vertically), the lid hinge should be closest to and parallel with the roof line.

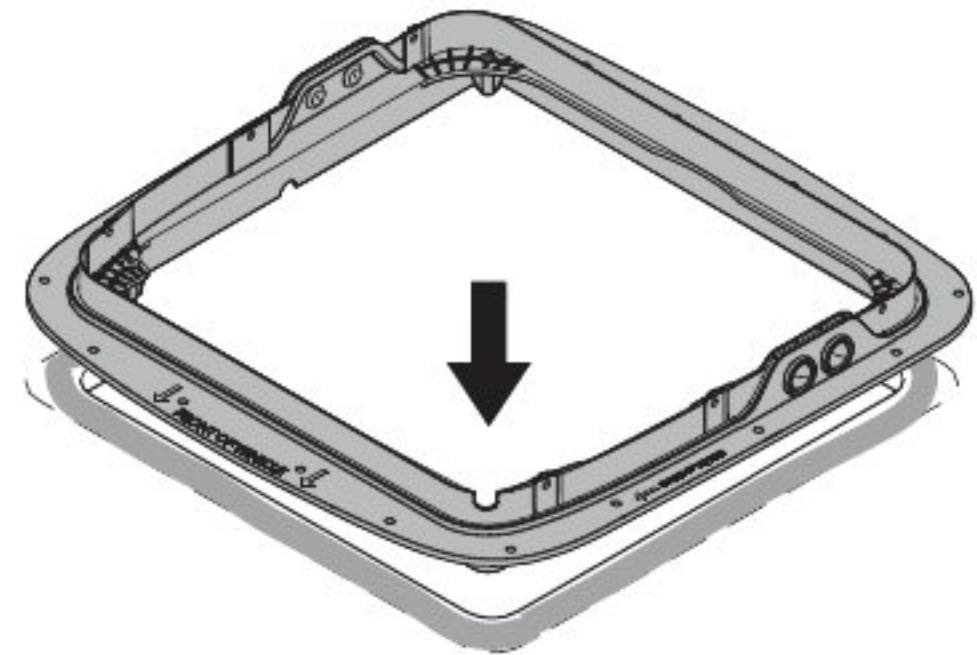
5. Secure the flange:

- **Clamp-style installation:** Do not screw mounting flange to the roof surface. Place the flange in the cutout opening and press down firmly to seat it in the sealant.



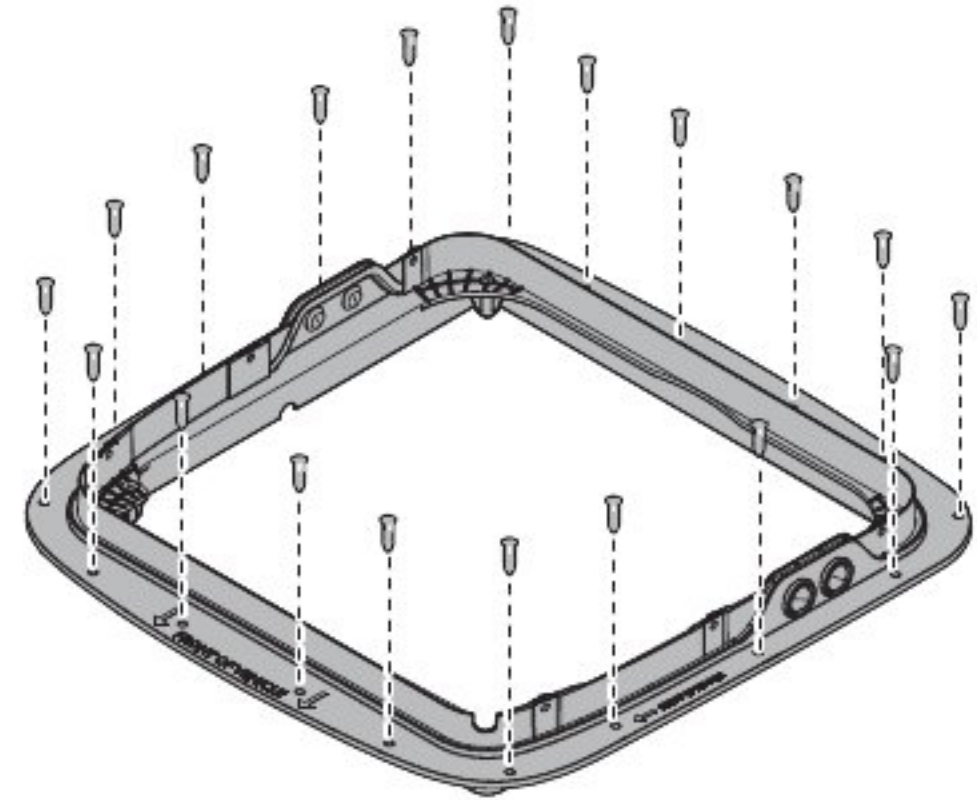
NOTE Clamp-style installation is only applicable for roof thicknesses less than 4 in (101.6 mm) when the roof lacks sufficient structure to support a standard installation.

11



- **Standard installation:** Screw the mounting flange directly to the roof surface using the 18 screws provided.

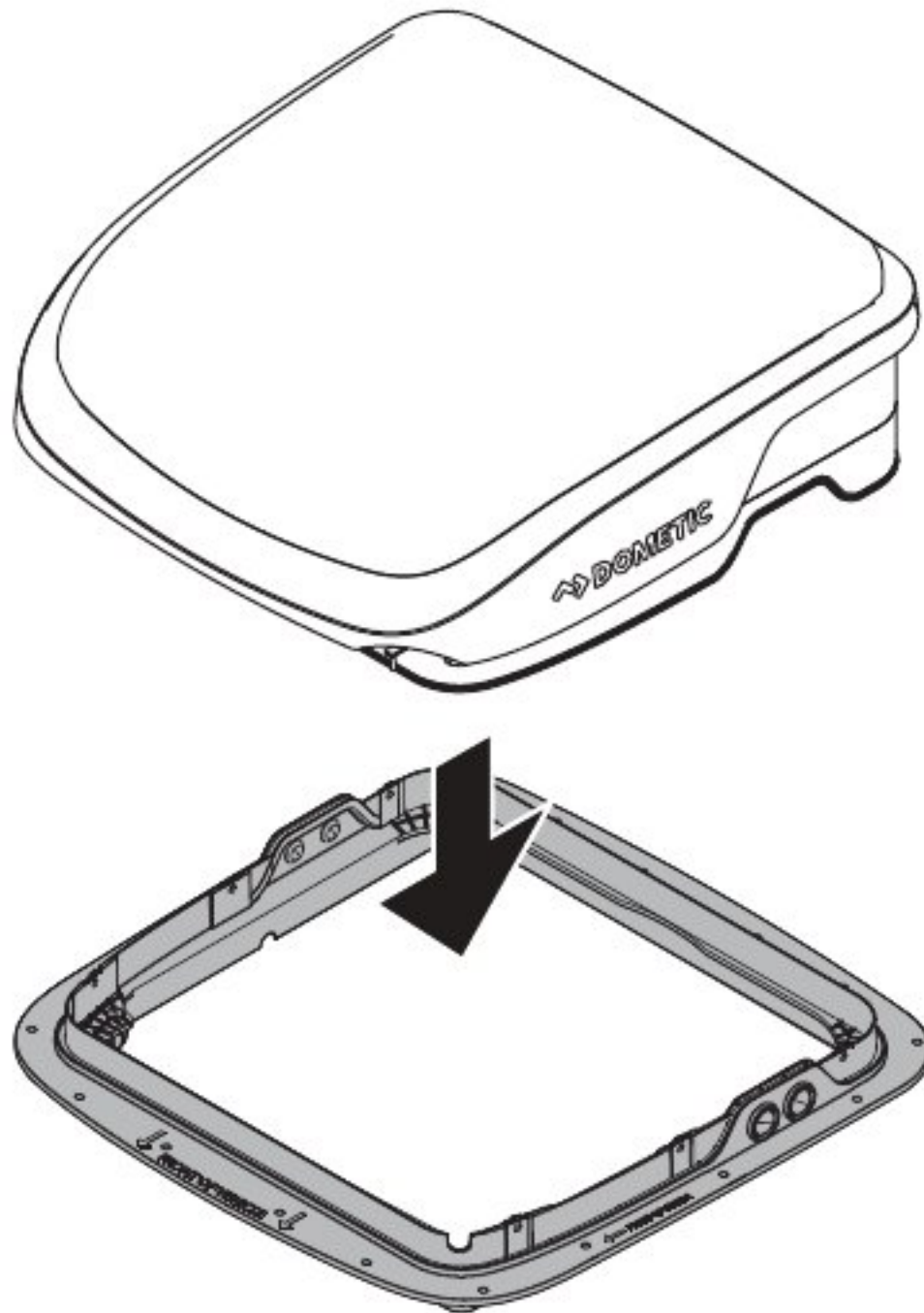
12



6. Apply all-weather sealant over the screw heads and along the entire edge where the mounting flange meets the roof or the side of the vehicle.

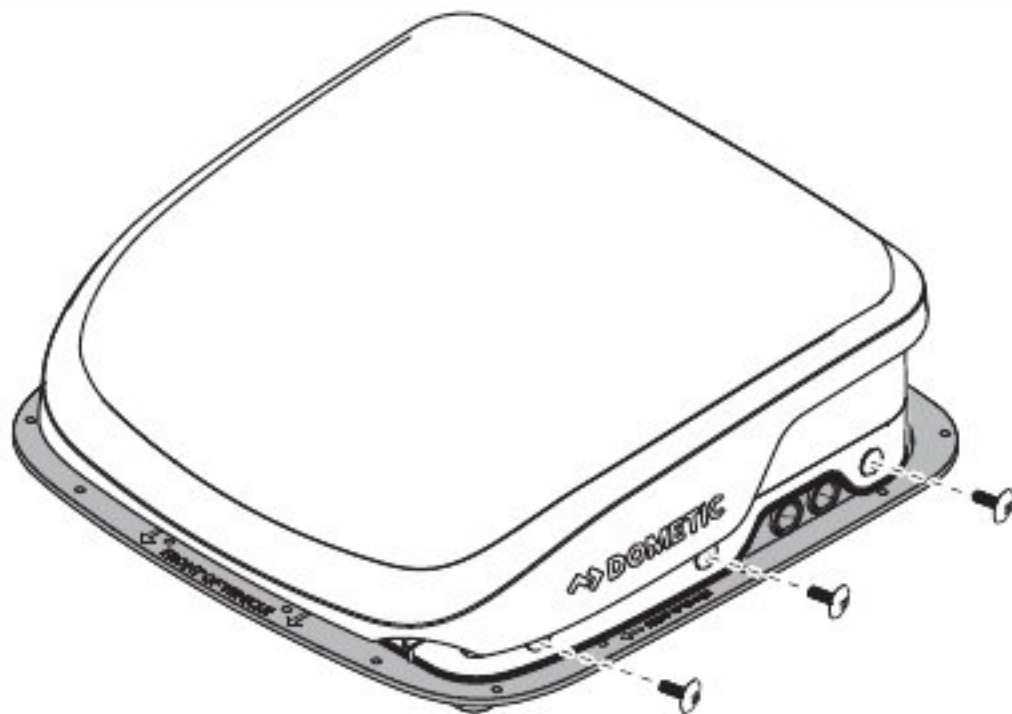
- Align the fan with the mounting flange, ensuring correct direction.

13



- Secure the fan to the mounting flange using the six provided truss head screws (three on each side).

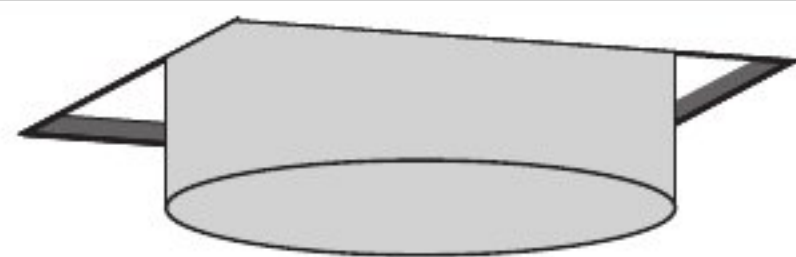
14



8.6 Resizing the finish panel

- Insert the finish panel into the retaining tabs located around the fan frame, aligning the notch of the panel with the rear of the fan assembly. Ensure that the panel is fully seated within the tabs.

15



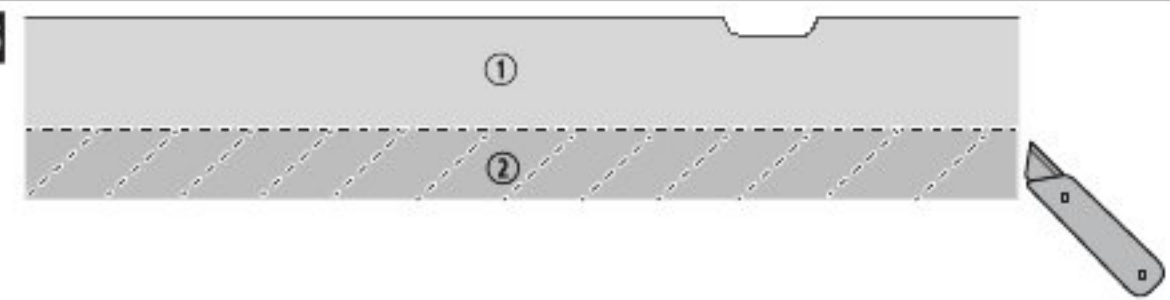
- From inside the vehicle, use a straight edge and a pen to mark the excess height of the panel through the cutout.
- Remove the finish panel from the fan frame.
- Unfold the finish panel to prepare for cutting.

- Use an appropriate cutting tool, trim the excess plastic along the marked line.



NOTE Exercise caution to ensure a straight and clean cut.

16



- ① Required finish panel ② Excess finish panel to be removed

- Reinstall the trimmed finish panel into the fan frame's retaining tabs, aligning the notch with the rear of the fan assembly.

17



- If the finish panel does not stay in place, apply a piece of tape to the exterior edge of the panel to secure it to the fan frame.

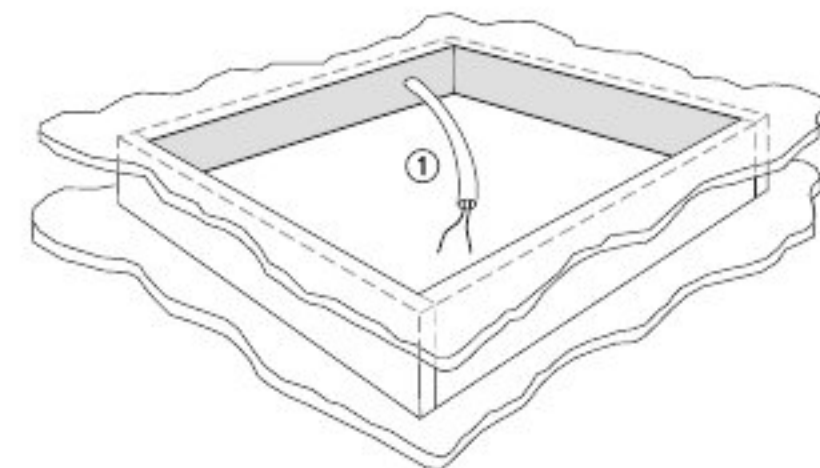
8.7 Connecting the wires



NOTE If you are replacing an existing vent, use the existing wiring only if it meets the Recreation Vehicle Industry Association's 16 AWG wiring and location requirements.

- Locate the nearest 12 V DC power source wiring.
- Test the power source wiring for polarity.
 - Turn on the 12 V DC power supply or battery.
 - With a multi-meter, touch the red probe to the positive terminal and the black probe to the neutral or negative terminal. A display of 12 V or higher indicates correct polarity, while -12 V or lower indicates reversed polarity.
 - Turn off the 12 V DC power supply or battery.

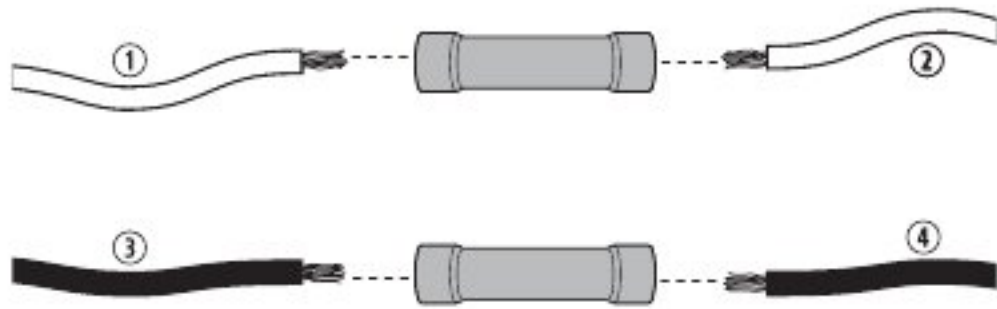
18



- ① 6 in (152.4 mm) minimum

3. Route the power source wiring to the roof or wall opening. Add an extra 15 in (381 mm) of wire to ensure an easy connection to the vent fan. If necessary, extend the vent fan's wiring using the extra lengths of black and white wiring provided.

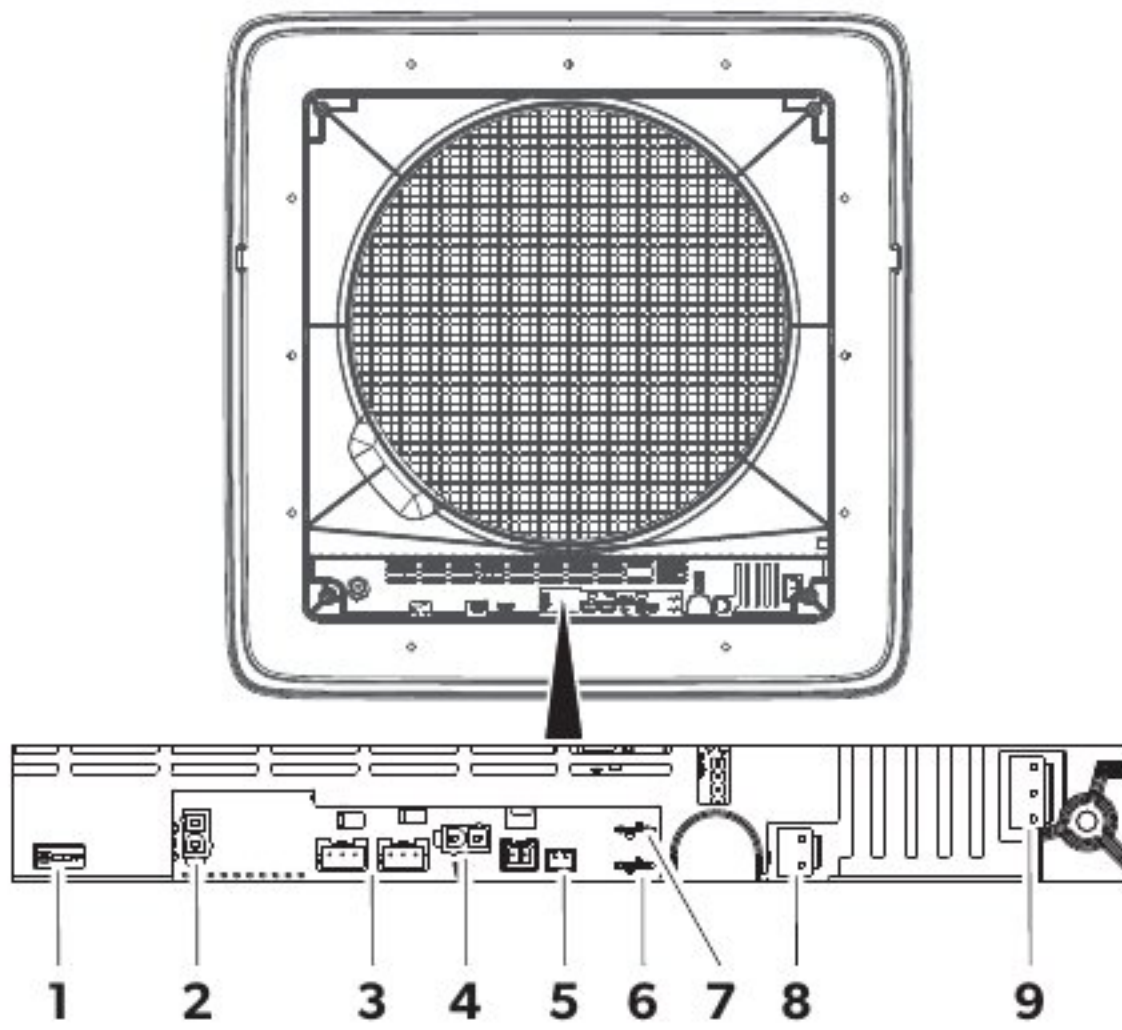
19



- | | |
|---|---|
| ① White vent fan wire (neutral or ground) | ③ Black vent fan wire (positive or fused) |
| ② Power source wire (neutral or ground) | ④ Power source wire (positive or fused) |

4. Use the provided butt-splice connectors to connect matching wires.

20



- | | |
|--|---|
| 1 CANBUS/LIN switch:
• 1 = CANBUS
• ON = LIN | 6 Power connection (12 V=
Black wire) |
| 2 CANBUS/RVC | 7 Power connection (-12 V=
White wire) |
| 3 LED lights
(prewired at factory for Platinum model) | 8 Lift motor |
| 4 External thermistor | 9 Fan motor |
| 5 Rain sensor | |



NOTE When connecting the vent fan to the power supply:

- If connectors are not pre-attached, crimp a female 0.25 in connector (14 AWG ... 16 AWG) to the white and black 12 V = power supply wires.
- Dometic strongly recommends having a professional service technician or electrician install these connectors.

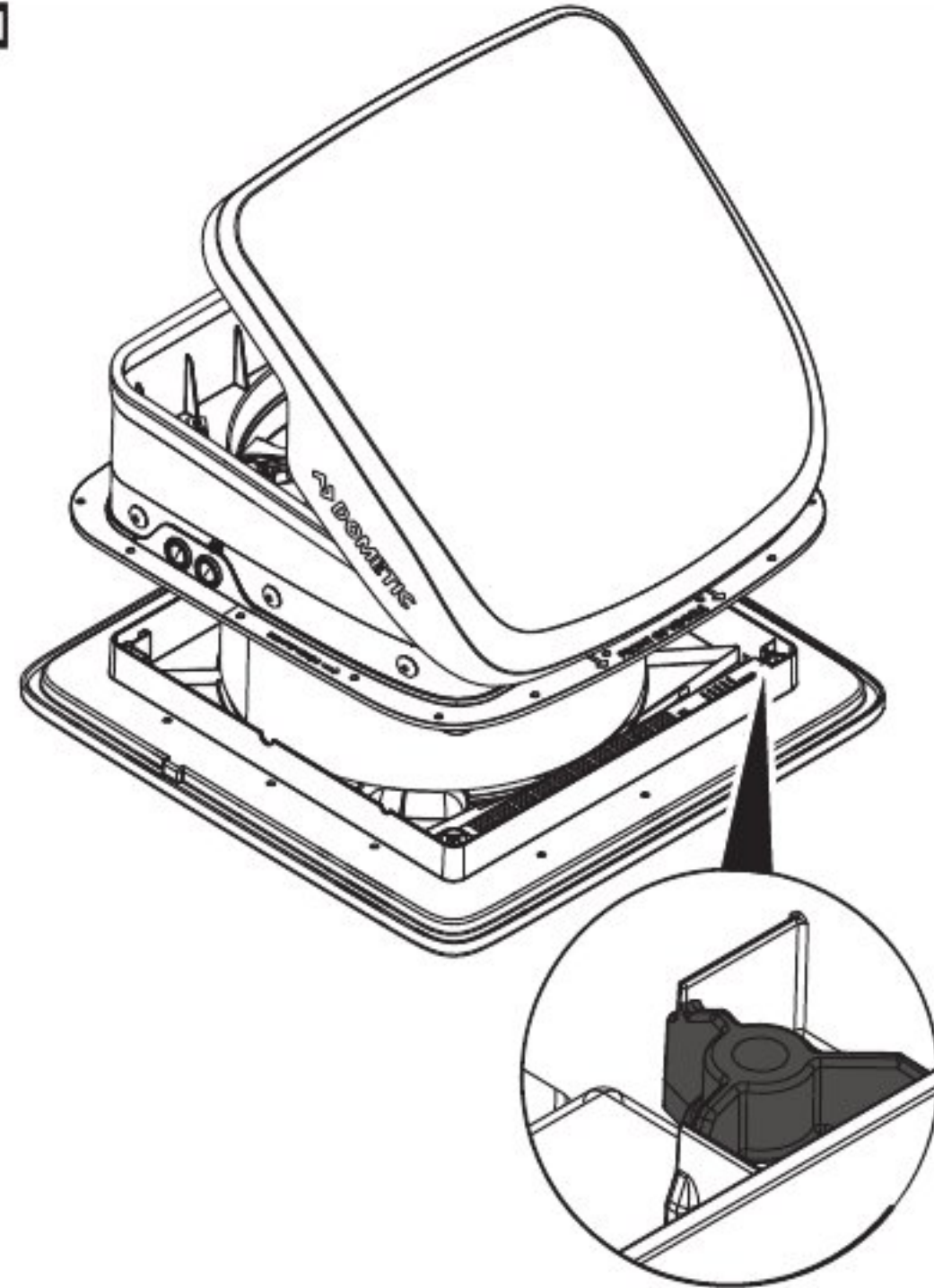
5. Crimp the butt-splice connector ends to secure the connection.
6. Bundle wires together where possible to prevent movement.

7. Secure the fan motor harness to the vent closeout through the identified hole using a zip tie or similar fastener.



NOTE For clamp-style installation: Wrap the screw with at least 3 layers of tape, then secure the wire harness to the screw.

21



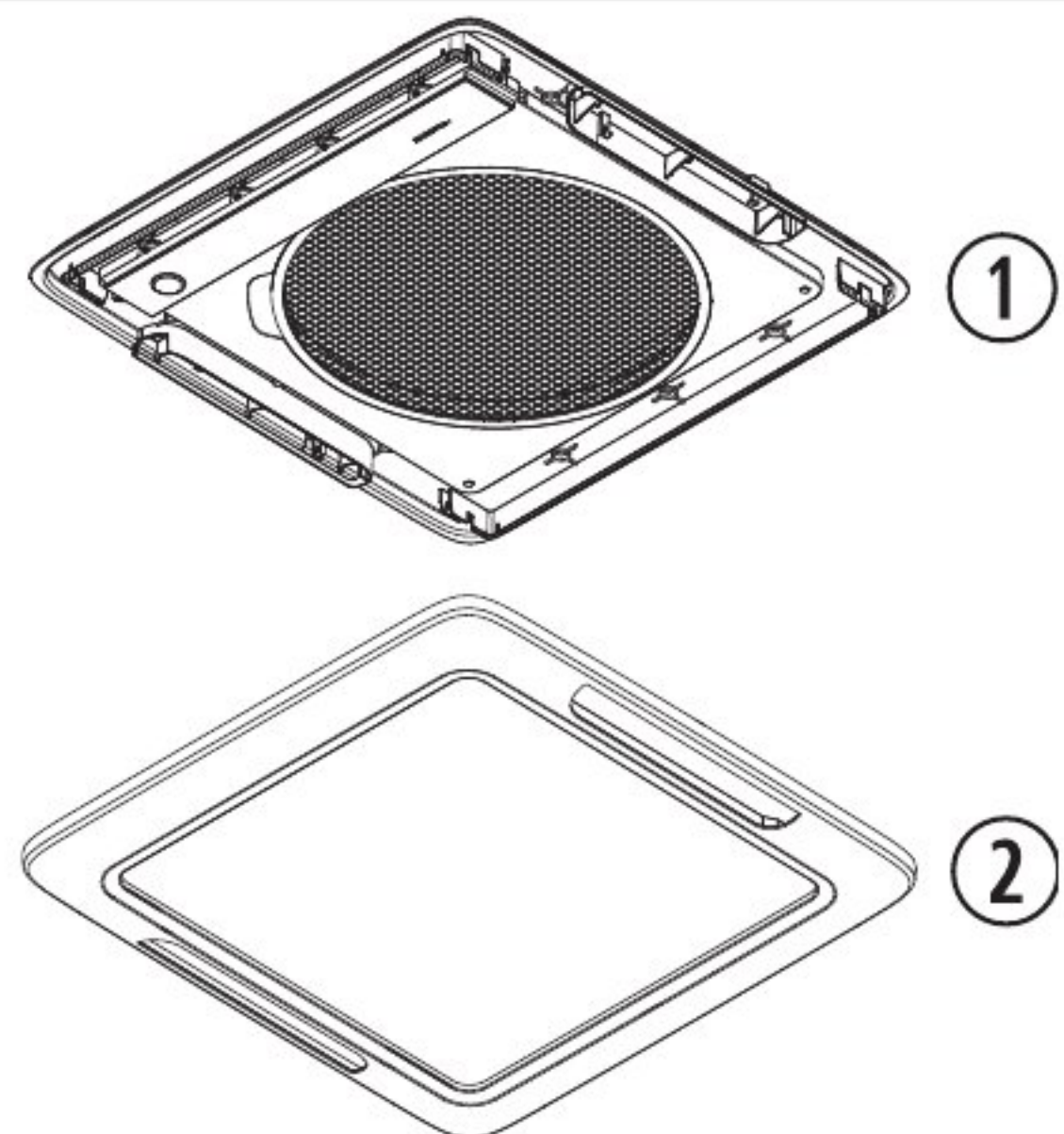
8. Secure the lift motor harness to the cutout sidewall to protect the ferrite beads.

8.8 Installing the vent closeout

The vent closeout consists of two components:

- Base flange (1 in Fig. 22 on page 9)
- Frame (2 in Fig. 22 on page 9)

22



There are two installation methods for the vent closeout:

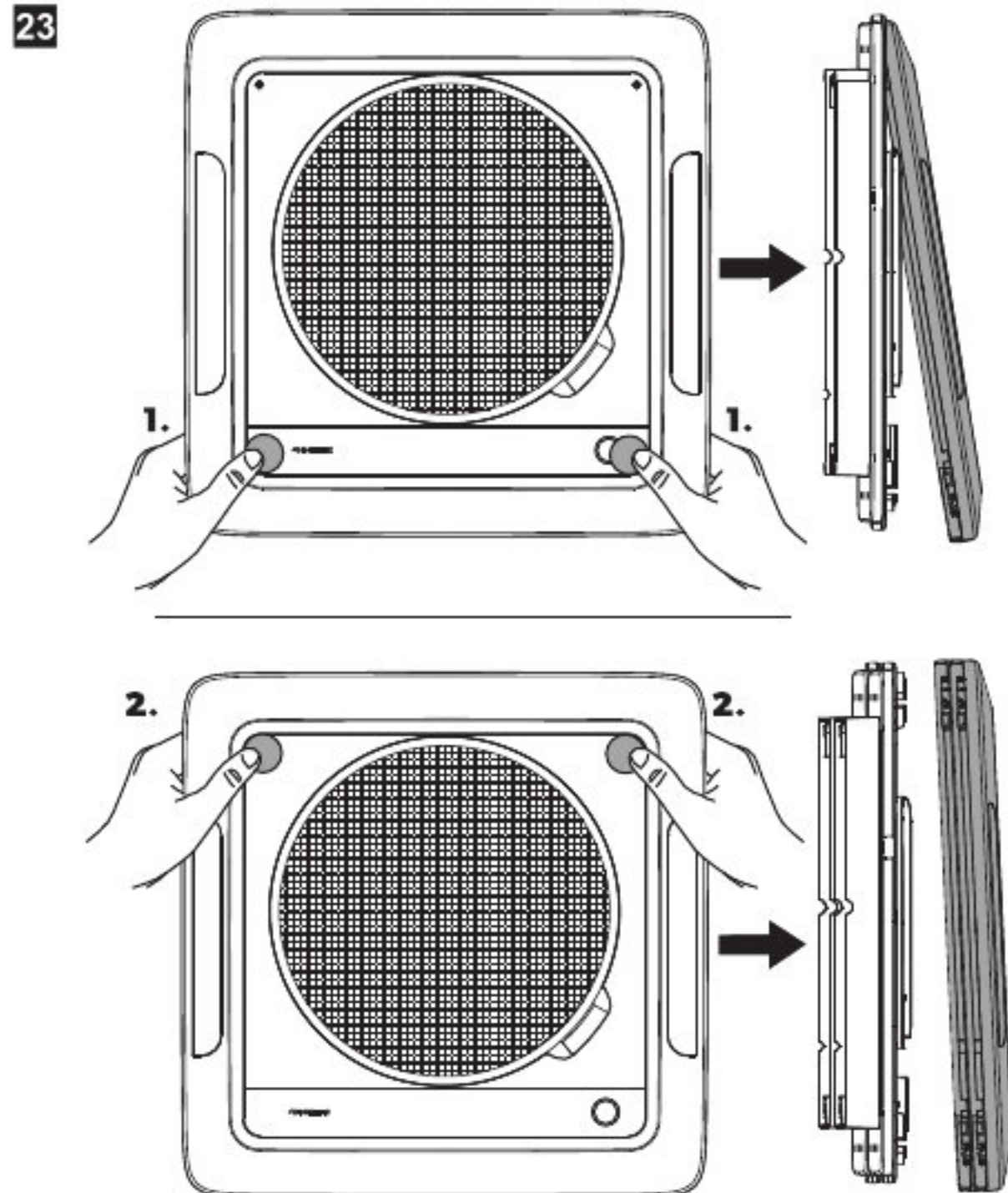
- Standard installation: recommended

- Clamp-style installation: Use only when roof thickness is less than 4 in and there is no solid substrate for screw attachment.

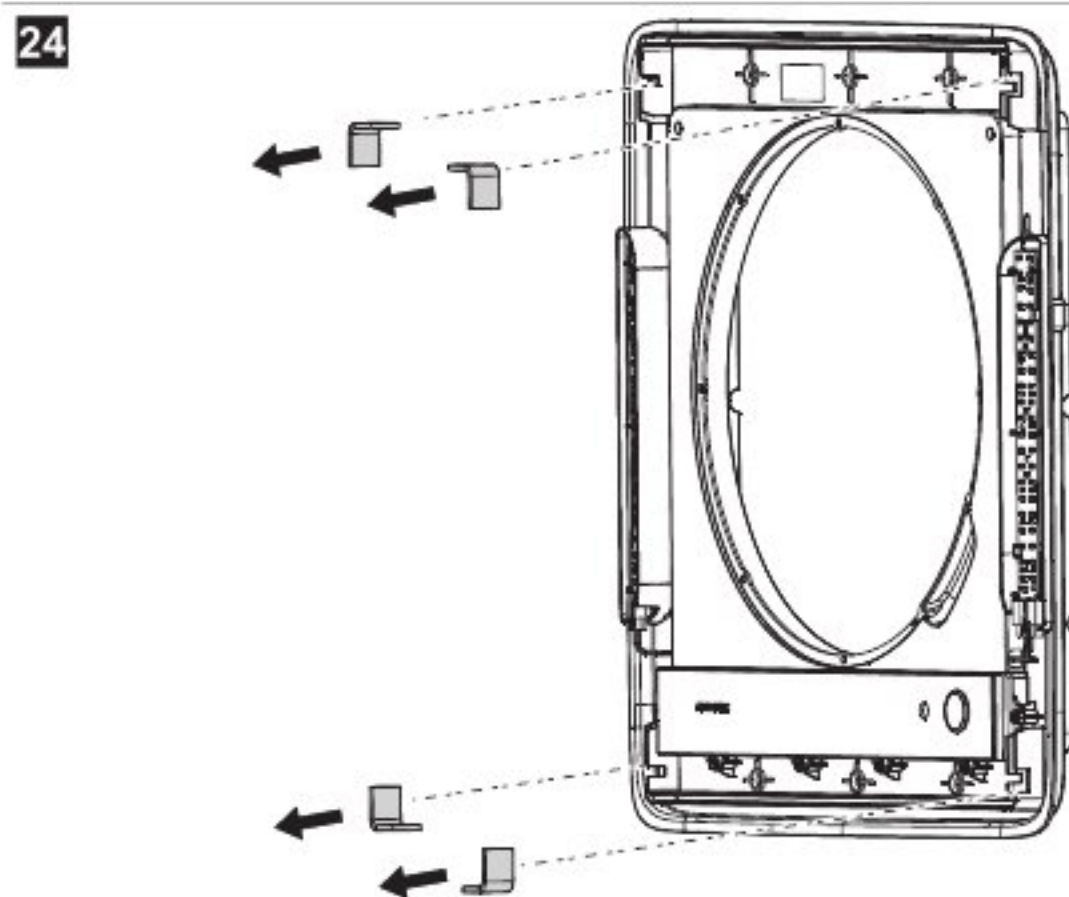
Installation preparation

The base flange and frame are delivered pre-assembled. Separate the two components before installation.

1. Grip the frame in the corners with your fingers.
2. Press your thumbs on the marked areas to separate the frame from the base flange.



3. Remove the cardboard spacers from the four corners of the vent closeout base flange.

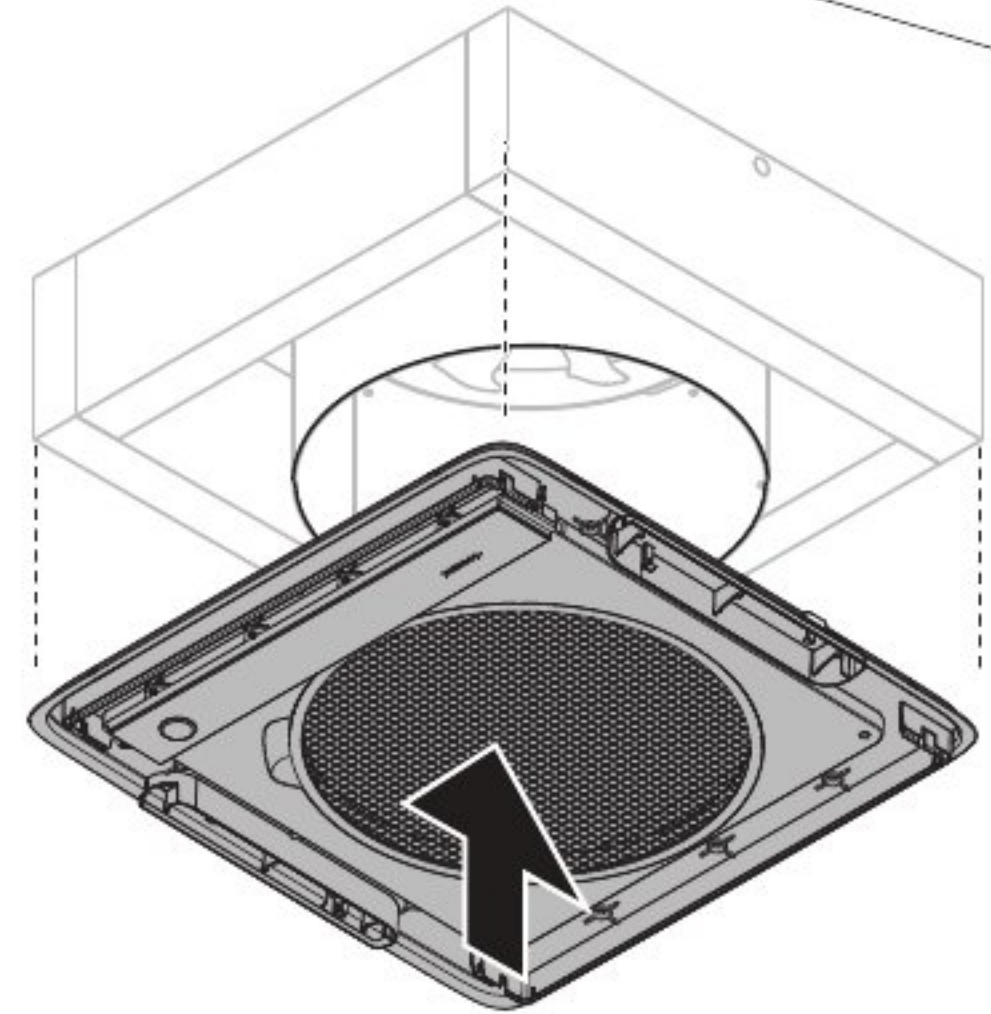


Standard installation

1. Position the base flange in the cutout, ensuring no wires are pinched between the base flange and the frame of the cutout.

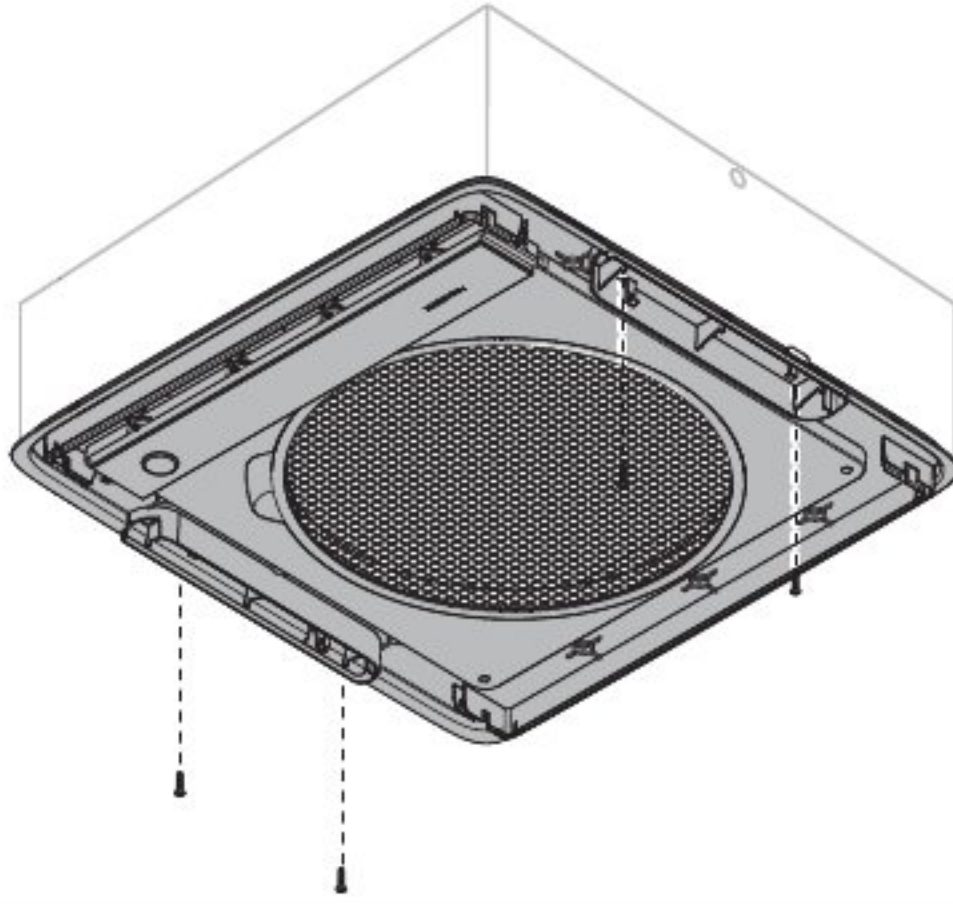
2. Align the ring of the base flange with the vent finish panel.

25

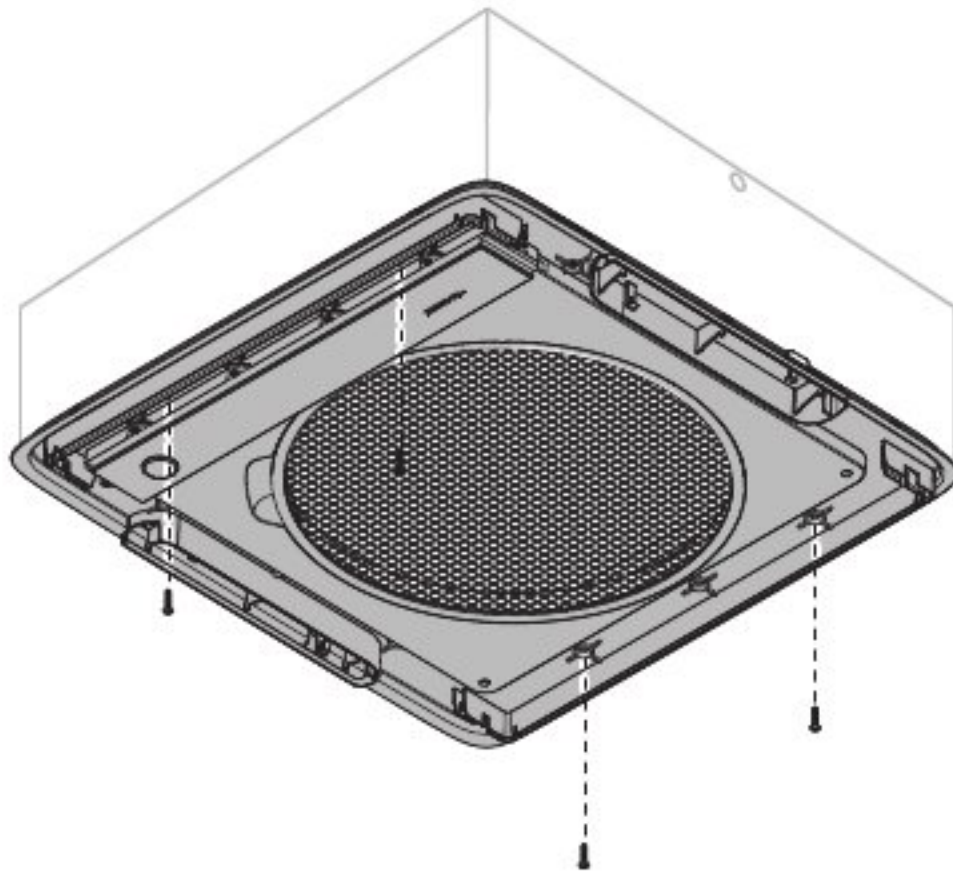


- Secure the base flange of the vent closeout with a minimum of 4 screws (one in each corner on opposite sides):

26



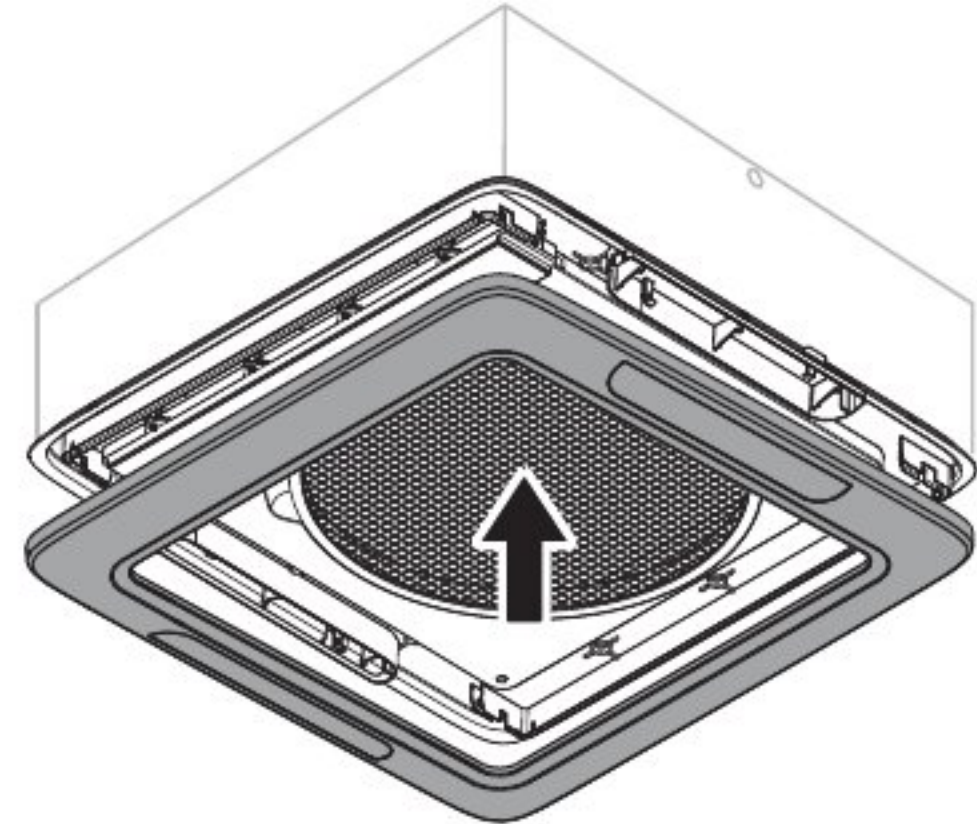
27



NOTE For ceiling panels less than 5/16 in thick, use 8 screws for secure attachment.

- Align the frame with the clip channels on the installed base flange.

28

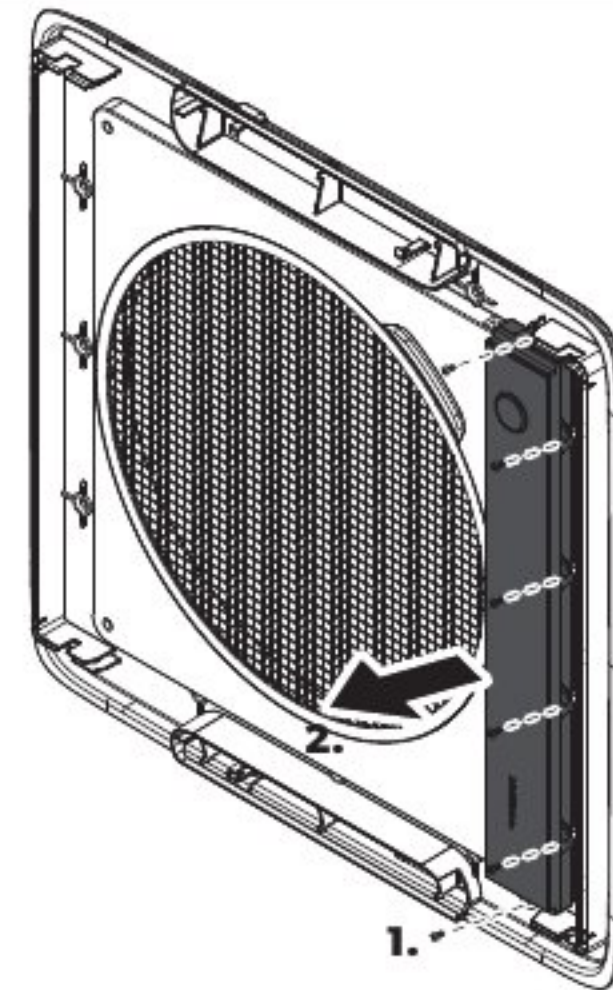


- Press firmly on the frame until it snaps securely into place.

Clamp-style installation

- Remove the 6 screws securing the control unit to the base flange.

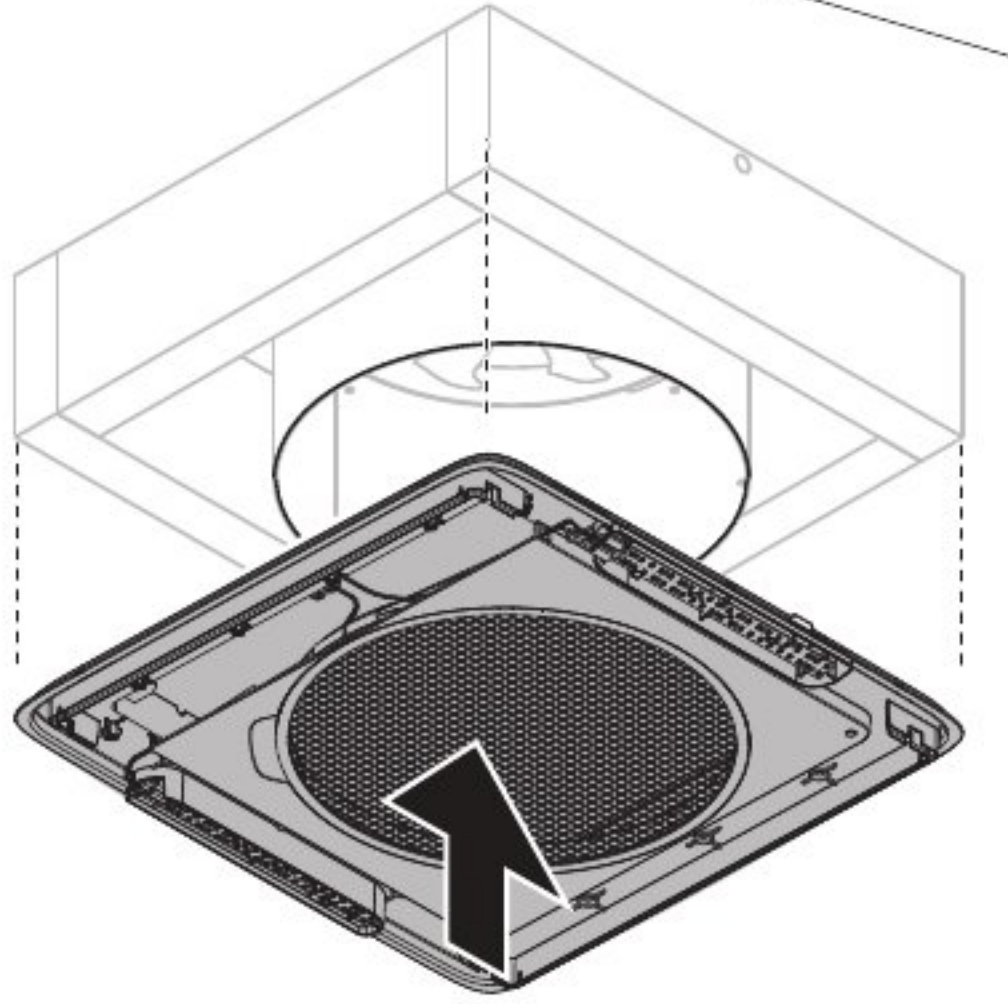
29



- Carefully disconnect any wires connected to the control unit.

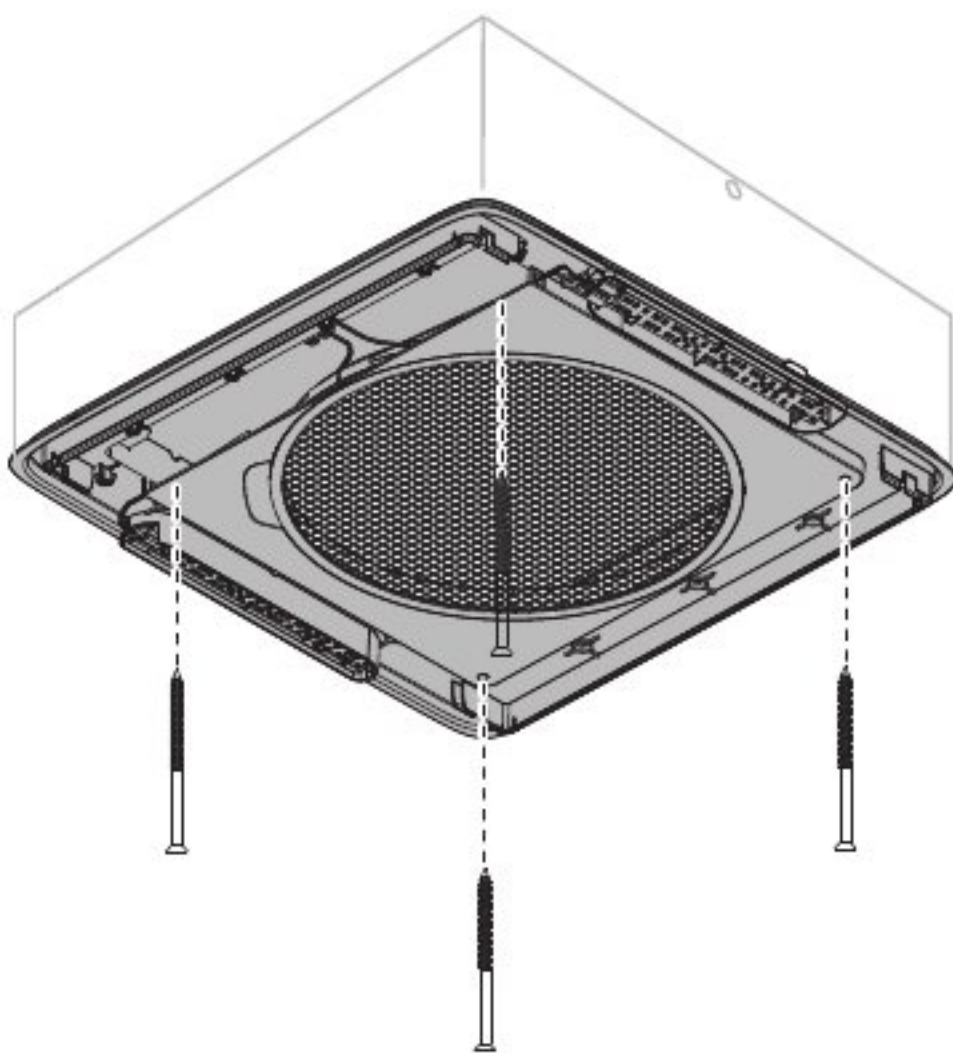
3. Position the base flange in the cutout, ensuring no wires are pinched between the base flange and the frame of the cutout.

30



4. Align the ring of the base flange with the vent finish panel.
5. Secure the vent closeout by inserting 4 screws through the clamp installation holes on the base flange.

31



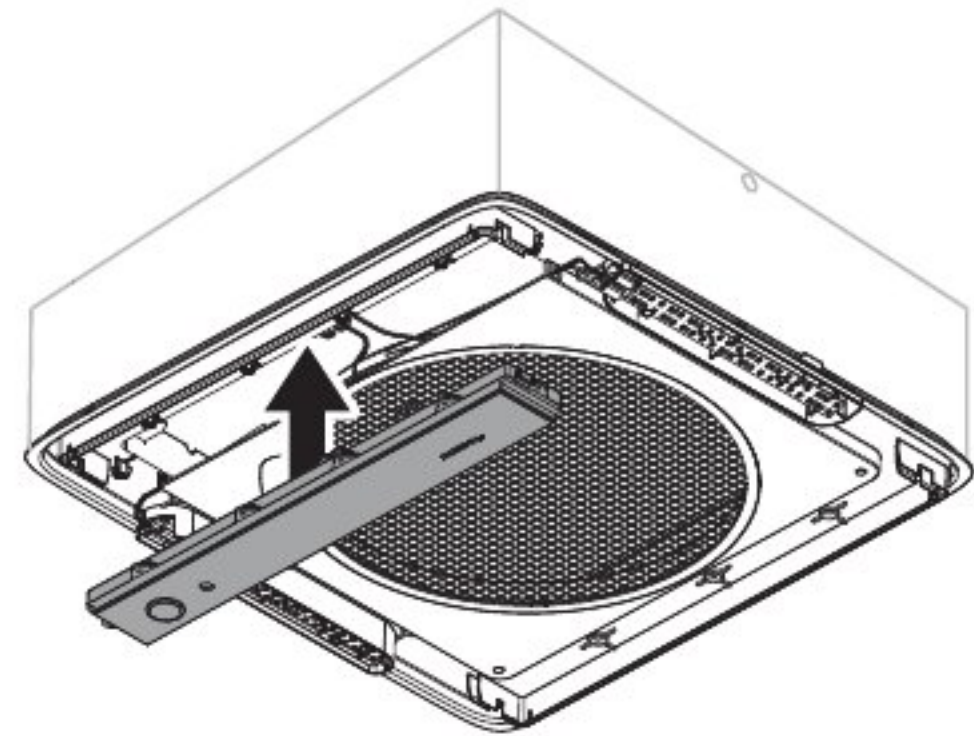
NOTE For clamp-style installation, the installer will provide the required four screws. The screw size is #10. Determine the screw length using the formula: screw length = roof thickness + 2.5 in (63.5 mm).



NOTE Note that the screw hole locations differ from the standard installation.

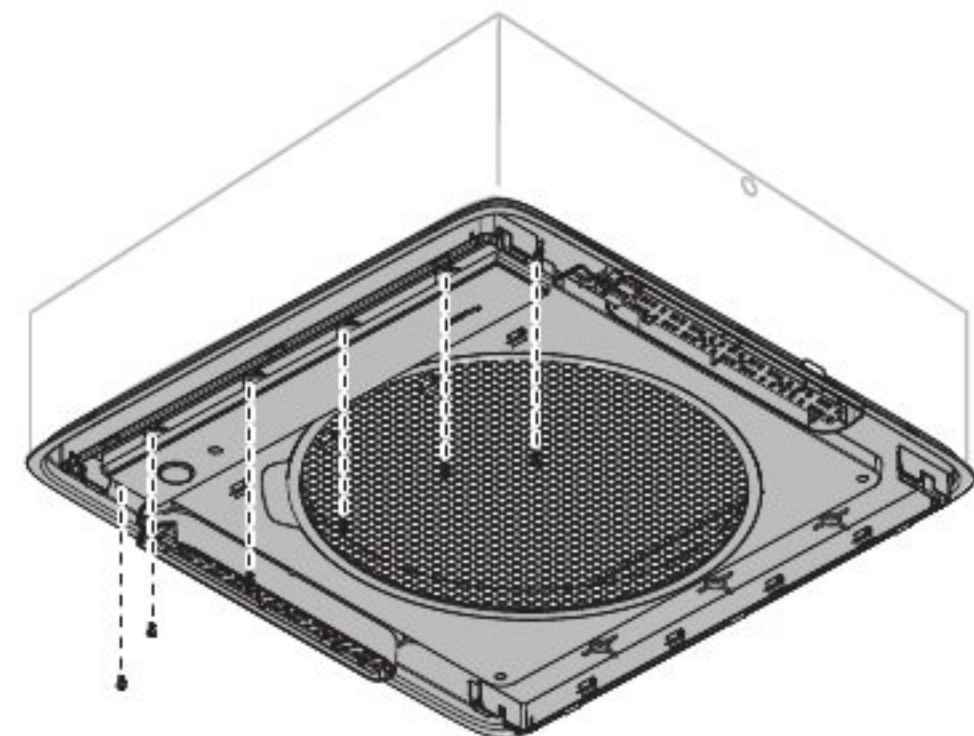
6. Reinstall the control unit to the base flange.

32



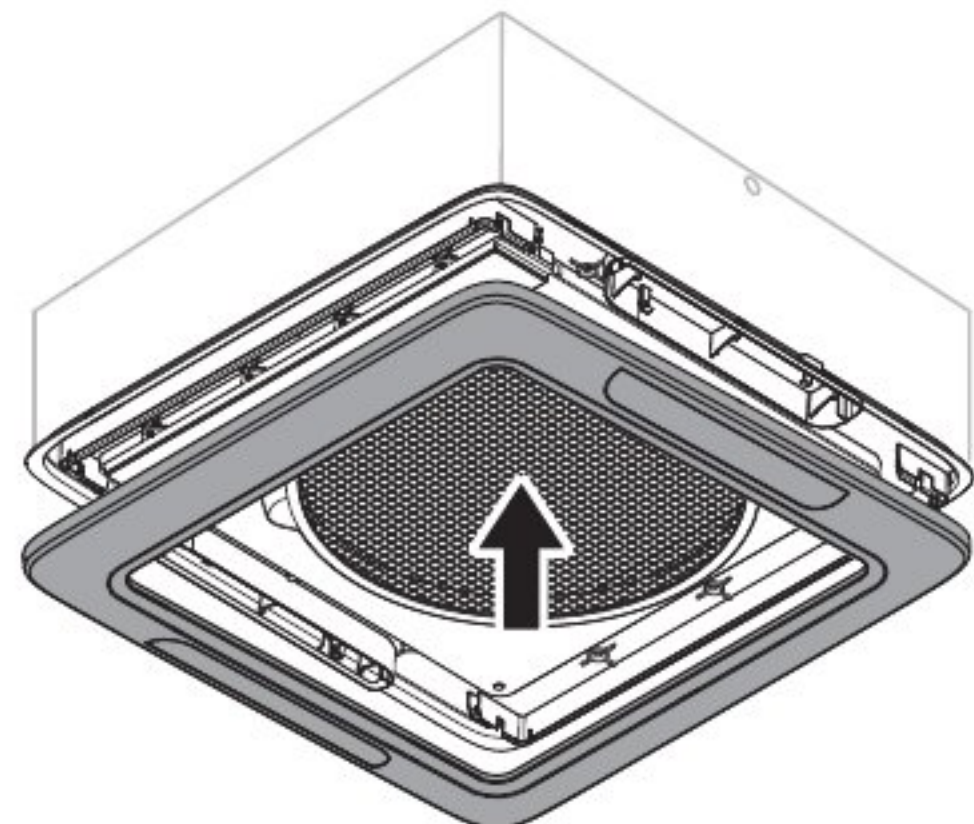
7. Reconnect the wires, ensuring proper connections.
8. Tighten all screws securely.

33



9. Align the frame with the clip channels on the installed base flange.

34



10. Press firmly on the frame until it snaps securely into place.

9 Operation

This section provides instructions on how to operate your vent fan.



CAUTION! Water damage/leak hazard

Failure to obey the following instructions could result in injury or property damage:

- Do **not** leave the vent lid open and unattended for extended periods of time, or under unusual weather conditions that may result in leakage and serious damage.
- Do **not** use this product in inclement weather.

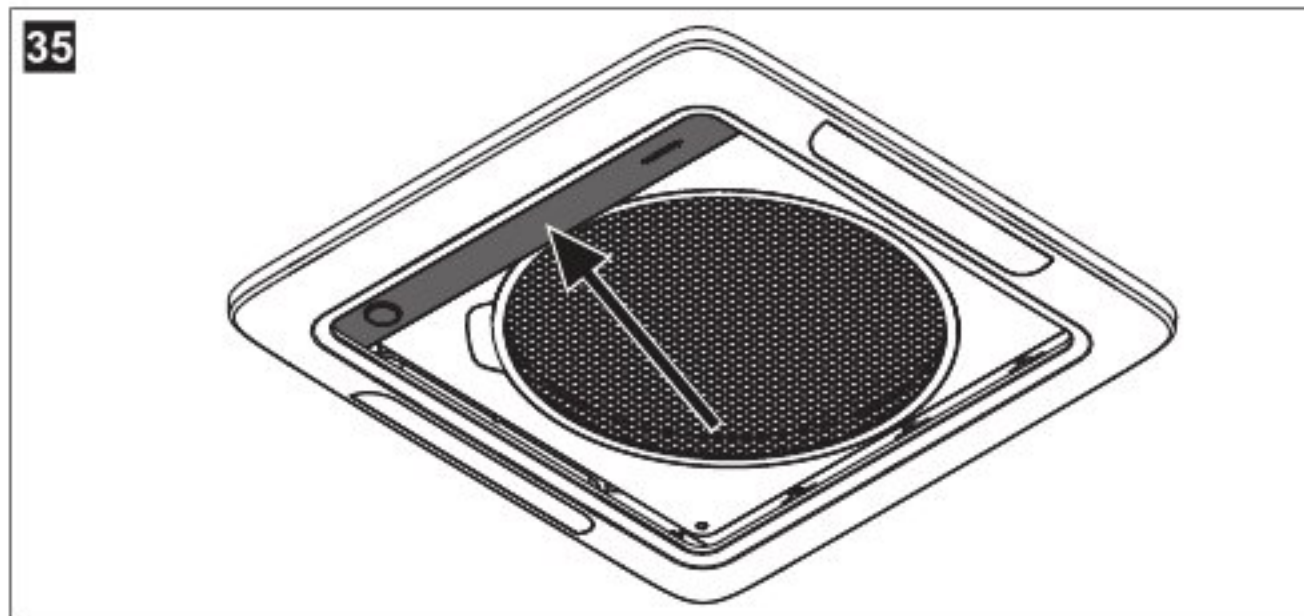
Tips for optimal vent fan operation:

- Slightly open the windows on the shaded side of the RV to provide the most comfortable ambient air, even on hot days.
- Direct the airflow by opening a window. Try to position yourself between an open window and the fan for greatest airflow comfort.
- For optimal performance, close all the outside vents when using your vent fan.
- If driving with the vent lid open, keep it fully open to prevent fluttering or unexpected closing.

9.1 Control options

You can operate the vent using either the **control panel** or the **remote control** (if applicable).

Control panel



The control panel ( Fig. 35 on page 13) is located on the vent closeout.

Button descriptions



Button	Name	Description
	Power/Standby	Turns the unit on or to standby.
	LED light mode (if equipped)	Cycles through available LED lighting modes.
	Motion sensor (Platinum models only)	Activates or deactivates the motion sensor.

Button	Name	Description
	Dome position	• Opens or closes the dome automatically. • Allows incremental dome adjustment.
	Reverse airflow (if equipped)	Changes airflow direction: • Air intake mode: Indicator on • Exhaust mode: Indicator off
	Auto (Thermostat) mode	• Activates automatic fan control based on the selected temperature setpoint. • The fan adjusts its speed—or turns off—depending on the difference between the ambient temperature and the setpoint. • Larger temperature difference = higher fan speed.
	Manual Mode	• Enables manual control of fan speed. • Fan operates continuously at a fixed speed level from 1 ... 10.
	Adjustment	Adjusts the settings, such as fan speed in manual mode, dome height in dome mode, and brightness of lights.

Fan status indicators

Indicator	Description	Status	Function
	Wifi indicator	Solid	Fan is connected to a Wi-Fi network.
		Flashing	Wi-Fi networks are available for connection.
	System error indicator	Solid	• A system error has occurred. • The display will show an error code. • Refer to the Troubleshooting on page 15.
	Bluetooth indicator	Solid	Fan is connected to a Bluetooth device.
		Flashing	Fan is in Bluetooth pairing mode.
	Temperature indicator	-	Displays the unit of temperature (°C or °F) currently shown on the screen.

Indicator	Description	Status	Function
	Rain sensor indicator	Solid	Rain sensor is active.
		Flashing	Rain has been detected and the sensor has been triggered.

Control display status

After pressing a button, only the buttons relevant to the selected setting will illuminate on the display of the control panel.

Basic operation tips

- Press = Short press (0.5 s)
- Long press = Press and hold (> 3 s)

Remote control

For information about how to use the remote control, see the remote control's Installation and Operating Manual.

9.2 Switching the unit on or to standby



NOTE

- When the vent is switched on, it resumes operation with the previously set values.
- The vent can be switched off only by cutting the power supply.

- > Long press to switch the unit on or to standby.

9.3 Switching the fan on and off

- > Press and then to switch the fan on or off.

9.4 Opening and closing the vent lid

- > Long press then to automatically open the vent lid.
- > Long press then to automatically close the vent lid.
- > Press and then press or to move the vent lid incrementally.

9.5 Activating the fan mode

- > Long press to activate the manual fan mode.
- > Long press to activate the auto fan mode.

9.6 Setting the fan speed (Manual mode)

- > Long press to activate the manual fan mode.
- > Press and then press or to adjust the fan speed.
- Press and then long press / to set the fan speed to maximum or minimum speed setting.

9.7 Setting the temperature (auto mode)

- > Long press to activate the auto fan mode.
- > In auto mode, press and then press or to increase or decrease the temperature.

9.8 Changing the air flow direction (if equipped)

This function is only available on vents equipped with a fan blade motor-reversing option.



NOTE The fan blades will come to a complete stop before changing airflow direction.

- > Long press the button to switch the airflow direction:
 - **Reverse air ON = Air Intake mode:** Draws air into the RV interior.
 - **Reverse air OFF = Exhaust mode:** Expels air from the RV interior through the roof.

9.9 Controlling the LED light

The LED light offers adjustable brightness and two light modes: night light and room light.

Brightness range:

- Brightness is adjustable from 1 ... 10 in 1 increment.
- Night light mode: Up to 50 lm (low light).
- Room light mode: Up to 1600 lm (full brightness).
- > To turn the LED light on or off, press then .
- > To change the LED light mode between room light and night light, long press .
- > To adjust the LED brightness, press then or .



NOTE To set the LED brightness to maximum or minimum, press then long press or .

9.10 Setting the temperature display unit

- > Press and simultaneously to switch the temperature display unit between °C and °F.

9.11 Setting the temperature display to full brightness in standby mode

- > Long press and simultaneously to set the temperature display to full brightness in standby mode.

9.12 Activating or deactivating the motion sensor

When the motion sensor is enabled, the night light automatically turns on when motion is detected and turns off after 5 min. of inactivity.

- > Long press to activate or deactivate the motion sensor.

9.13 Activating or deactivating the rain sensor

- > Long press to activate or deactivate the rain sensor.

9.14 Activating the Bluetooth pairing mode

- > Long press and simultaneously to activate the Bluetooth pairing mode.

9.15 Resetting to factory defaults

- > Long press , and simultaneously for 5 s to reset to factory defaults.

9.16 Handling error codes

- > To clear the error code, press and hold and simultaneously.
- > To acknowledge the error code, press and hold and simultaneously to acknowledge the error code.

10 Cleaning and maintenance



WARNING! Electrical shock, fire, and/or explosion hazard

- > Always disconnect the unit from power before cleaning or maintenance.
- > If you are unfamiliar with working with electrical components, contact a qualified service professional.
- > Failure to obey this warning could result in death or serious injury.

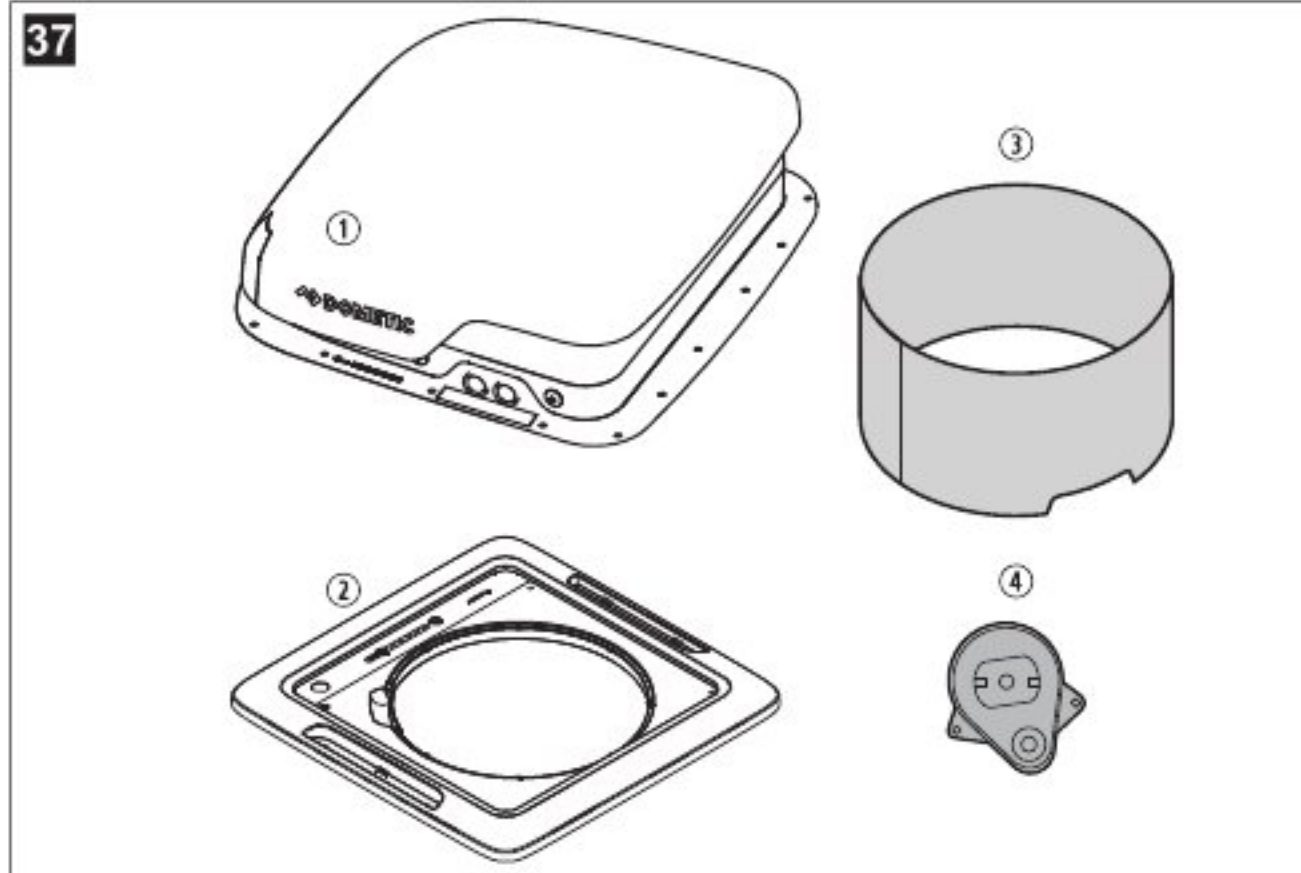


NOTICE! Damage hazard

Perform the maintenance and cleaning in this section as needed, based on the use of the appliance. Failure to properly maintain the appliance may void the warranty and could result in unsafe operation. Preventive maintenance is not covered under the warranty.

10.1 Serviceable parts

Actual available parts may vary. Refer to the complete parts list (available online at <http://www.dometic.com>) for more information. To order parts, contact your local Dometic service partner or dealer.



- ① Vent lid ③ Finish panel
② Vent closeout ④ Lift motor

10.2 Maintenance kits and materials

Optional maintenance materials (not included)

Description	Purpose	Restriction
Solvent	Sealant removal	Refer to your RV owner's manual for specific recommendations.
Soft bristle brush	Cleaning	
Denatured or rubbing alcohol	Cleaning	
Shop cloth	Cleaning	
Silicone protectant	Maintenance/trouble-shooting	
Water-based protectant (Non-petroleum based)	Maintenance/trouble-shooting	

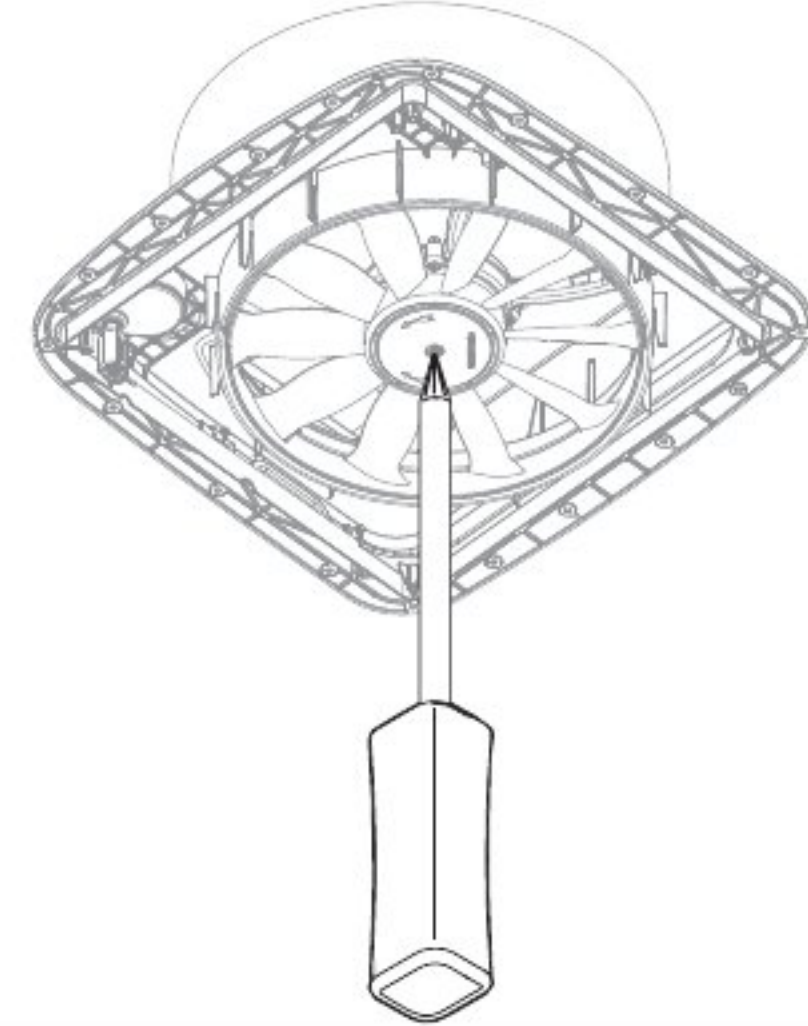
Optional replacement kits (not included)

Description	Model
Lift motor	All models

10.3 Cleaning the fan blade

1. Remove the screw from the fan blade.

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2. Pull the fan blade out of the vent closeout.
3. Clean the fan blade using one of the following methods:
 - Manual cleaning: Wash with window cleaning agent or non-abrasive dish soap and warm water.
 - Dishwasher cleaning: Place the fan blade in the top rack of an automatic dishwasher.
4. Optional: Once the fan blade is clean and dry, apply a **water-based protectant** (avoid petroleum-based products) to the screen and blade. Buff the surface to a high gloss.
5. Re-assemble the fan by reversing the disassembly steps above.

11 Troubleshooting

Problem	Possible cause	Suggested remedy
E1: Loss of Communication with AC Thermostat	Communication with AC thermostat was connected and connection was lost or interrupted	Power cycle the fan control off and then back on. Check that the AC thermostat is connected to power. Check that communication wires to AC thermostat are secure.
E2: Thermistor Error – No Connection	Thermistor is not detected.	System switches to manual mode. Pressing auto after acknowledging error triggers alert. Check for loose or disconnected thermistor wires.

Problem	Possible cause	Suggested remedy
		Contact Dometic support if issue persists
E3: Thermistor Error – Short Circuit	Thermistor wire is shorted.	System switches to manual mode. Pressing auto after acknowledging error triggers alert. Check for damaged or shorted thermistor wires. Contact Dometic support if issue persists
E4: Bluetooth Loss – Remote	Remote lost Bluetooth connection.	Inspect thermistor wires. Check and charge remote batteries. Move closer to fan unit. Power cycle fan control. Reset Bluetooth. Contact Dometic support if issue persists
E5: Bluetooth Loss – Mobile App	Mobile app lost Bluetooth connection.	Ensure Bluetooth is enabled on device. Power cycle fan control. Reset Bluetooth. Contact Dometic support if issue persists
E6: Rain Sensor Over-Activation	Rain sensor active for over 3 h.	Clean rain sensor. Check for debris on control board wiring. Contact Dometic support if issue persists.
E7: High Temperature at Control Board	Temperature exceeds 140°F, risking damage.	Check and clean control board vent holes. Turn on fan if not already running
E8: Lift Motor Error – No Current	No current detected when lift motor was activated.	Power cycle fan control. Check power connection to lift motor.

Problem	Possible cause	Suggested remedy
E9: Lift Motor Overcurrent	Overcurrent detected in the lift motor circuit.	Inspect fan wires for breaks or fraying. Ensure power connection wires are secure. Contact Dometic support if issue persists.
E10: Motion Sensor Failure	Motion sensor readings are out of range, indicating a circuit failure.	Power cycle the fan control (off and on). Contact Dometic support if issue persists.
E11: Fan Driver Error	Internal fault in the fan driver circuit.	Power cycle the system. If unresolved, contact Dometic customer support.
E12: Fan Critical Overvoltage	Extreme voltage spikes detected in the fan control power supply, risking damage to the fan and RV systems.	Check power supply/converter output voltage. Ensure control power wires to the fan are secure. Consider replacing the power converter if issue persists.
E13: Fan Overvoltage	Voltage spikes detected in the fan control power supply, risking damage.	Check power supply/converter output voltage. Ensure control power wires to the fan are secure. Consider replacing the power converter if issue persists.
E14: Fan Undervoltage	Voltage to the fan control is too low, possibly due to a weak power source or wiring issue.	Power cycle the fan control. If error persists, contact Dometic customer support.
E15: Fan Control Error	General fault in the fan control system, possibly due to firmware or hardware malfunction.	Power cycle the system. Check for firmware updates if applicable. Contact Dometic support if unresolved.
E16: Fan Overtemperature	Fan temperature exceeds safe operating limits.	Check for debris around motor shaft.

Problem	Possible cause	Suggested remedy
		Ensure proper ventilation. Inspect wiring and connections. Contact Dometic support if issue persists.
E17: Fan Locked Motor	Motor is obstructed or jammed.	Check for debris around the motor shaft. Inspect fan wires for damage. Ensure power connections are secure. Contact Dometic support if issue persists.
E18: Fan Phase Lost	One or more motor phases are not detected.	Check for debris around the motor shaft. Inspect fan wires for damage. Ensure power connections are secure. Contact Dometic support if issue persists.
E19: Fan Communication Error	Communication between the fan and control system has failed.	Power cycle the fan control (off and on)
E20: Undervoltage	DC voltage has dropped below 10 V, which is insufficient for proper operation.	Check power supply and battery levels. Inspect wiring for voltage drops. Replace or recharge power source if needed.
E21: Overvoltage	DC voltage has exceeded 16 V, which may damage electronic components.	Check power supply for regulation issues. Replace faulty components if necessary.

12 Warranty

3-year(s) limited warranty available at qr.dometic.com/bfneEw. If you have questions, or to obtain a copy of the limited warranty free of charge, contact:

DOMETIC CORPORATION
CUSTOMER SUPPORT CENTER

5155 VERDANT DRIVE
ELKHART, INDIANA, USA 46516
1-800-544-4881

13 Disposal



Place the packaging material in the appropriate recycling waste bins wherever possible. Consult a local recycling center or specialist dealer for details about how to dispose of the product in accordance with the applicable disposal regulations.



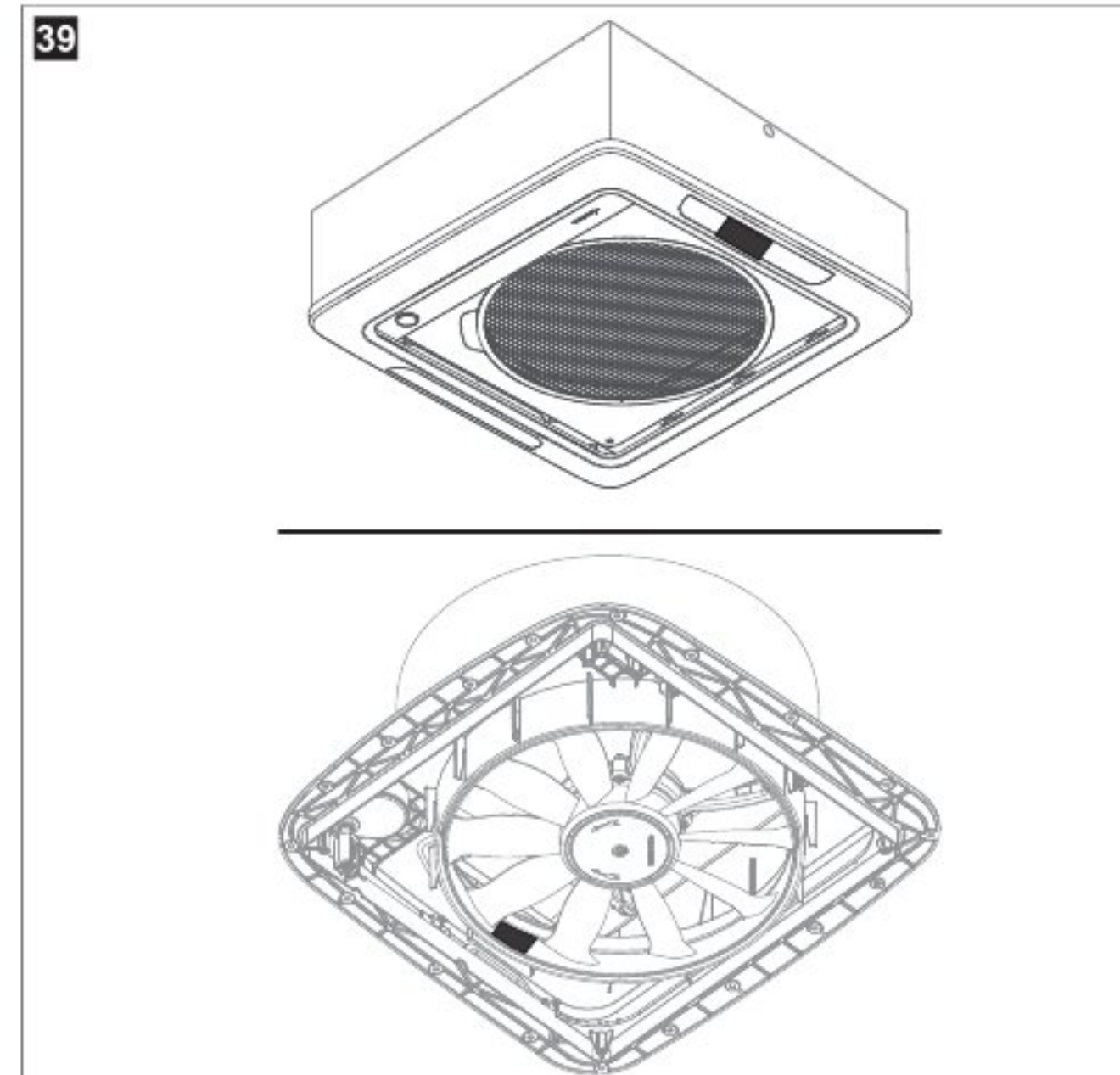
Place the packaging material in the appropriate recycling waste bins, wherever possible. Consult a local recycling center or specialist dealer for details about how to dispose of the product in accordance with the applicable disposal regulations.

14 Technical data

Weight	11.9 lb (5.40 kg)
Power consumption	36 W
AMP draw	< 3 A
Fan height	5.25 in (133.4 mm) standard

14.1 Model identification

When contacting Dometic for service, have the information from the vent fan model identification label ready. The label can be found in the following locations:



15 Legal

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to

part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device. This Class B digital apparatus complied with Canadian ICES-3(B)/NBM-3(B).

FCCID: 2AC7Z-ESPS3WROOM1

CID: 21098-ESPS3WROOM1