

Attic Breeze®

America's Leader in Solar Powered Ventilation

Installation Guide



AB-2553

AB-3553

AB-4553

AB-6553


GEN3 GM Model Series Fans



ATTENTION: PLEASE READ THROUGH THIS ENTIRE INSTRUCTION GUIDE BEFORE PROCEEDING WITH YOUR INSTALLATION. MAKE SURE YOU HAVE THE REQUIRED TOOLS AND MATERIALS TO COMPLETE THE INSTALLATION OF YOUR SOLAR ATTIC FAN BEFORE BEGINNING.




Getting Started

Your Attic Breeze retrofit-style solar attic fan is designed for easy installation behind or underneath an existing passive vent. Please consult your Attic Breeze dealer for more information regarding alternate installation methods.





Your local building code may require specific fasteners or anchoring systems not discussed in this installation guide. If installing this product in an area of either Florida or Texas that has been designated as a high velocity wind zone area, review applicable building code requirements for additional installation instructions.

What's Included

-  Self-Tapping Screws with Rubber Bonded Washers
-  Weatherproof Roofing Grade Sealant
-  Power Cable Flashing

What's Needed

-  Cordless Drill with Nut Driver
-  Lumber (2x4)
-  Reciprocating Saw
-  Measuring Tape

Safety Information

Safety precautions should be taken when performing the roofing work described in this installation guide. You can significantly reduce your risk of danger by following the below recommendations:

- Do not perform roofing work in wet or windy conditions
- Tie-off both yourself and your equipment when working on steep pitched roofs to avoid falls
- Wear safety glasses and protective gloves when using power tools
- Always wear slip-resistant shoes when working on the roof
- Do not cut through any rafters or structural members of the roof during installation
- Leave the solar panel covered until your installation is complete

Choosing the Right Location

Choose a location on your roof to install the solar panel that will offer optimum sun exposure throughout the day. For best results, pick an area that is oriented in a southern direction and is not shaded or otherwise blocked from the sun for extended periods. If an installation location on the southern side of your roof is not available, please consult your Attic Breeze dealer for additional solar panel mounting options.

Your solar attic fan should not be installed any closer than within 10 feet to an existing passive vent, ridge vent, or additional fan unit. If installed in combination with a ridge vent, it may be necessary to block off a portion of the vent close to the fan to achieve optimum attic ventilation performance.

Ventilation Requirements

In order for your Attic Breeze solar attic fan to operate at maximum performance, your attic must have enough intake ventilation (net free area) to support the amount of air that your fan is moving. The minimum recommended amount of intake ventilation for your product model is shown in Table 1. Your installation should either meet or exceed these recommendations for optimum fan performance. If you need assistance determining the proper amount of intake ventilation for your home, please visit our website for more information.

Fan Model	Intake Ventilation
AB-2553	5.2 sqft
AB-3553	6.0 sqft
AB-4553	6.5 sqft
AB-6553	7.2 sqft

Table 1 - Intake Ventilation Requirements

Installing the Fan

Step 1 - Remote Mounted Solar Panel

Begin by Locating the power cable included with your Attic Breeze solar attic fan. Make sure the power cable is long enough to reach the location where the remote solar panel will be installed.



If additional power cable length is needed for your installation, Attic Breeze offers a 25 foot extended power cable as an available option.

Route the power cable through the attic, starting from the fan area to the location where your remote solar panel will be installed and secure the power cable in place. The power cable may be routed out of the attic by bringing the cable through an existing passive vent, penetrating a gable wall and running the cable along the roof eave, or simply routing the power cable directly through the roof. When making any wall or roof penetration, caulk around the penetration using the provided sealant. The power cable flange may be used to better weatherproof a power cable roof penetration. To use the flange, cut a small hole in the tip of the flange to allow the power cable to pass through, then secure the flange to the roof over the penetration point.

Install the solar panel mounting brackets per the instructions included with your specific Attic Breeze bracket kit. Plug in the power cord to the connector on back of the remote solar panel and securely mount the solar panel/bracket assembly as required to your roof or structure.

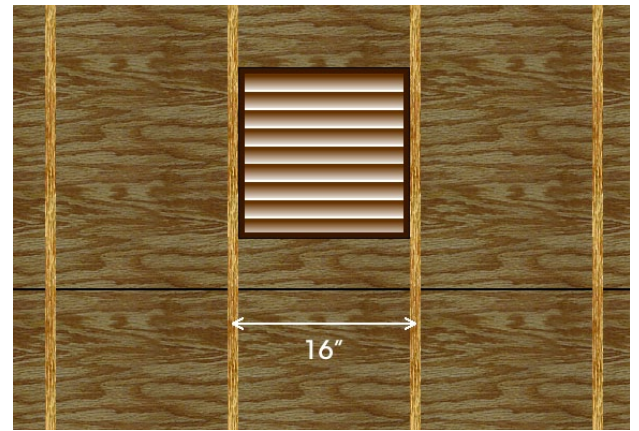


Figure 1 - Building the Mounting Box

Step 2 - Building the Mounting Box

Build a mounting box around your existing gable or passive vent inside the attic. Measure the length between the studs adjoining the vent and cut the 2x4 boards to complete the box as shown in Figure 1. Secure the boards in place using woodscrews. When completed, the mounting box should provide an air channel for the gable fan to properly exhaust through your vent.



Mounting box should be no larger than 21"x21". If gable or passive vent extends beyond this area, block off excess venting area to prevent backflow of exhaust air.

Step 3 - Installing the Fan

Next, remove all packaging material and tape from your fan. Install the Attic Breeze retrofit-style solar fan flush to the mounting box (see Figure 2). The fan housing (cylinder) should be positioned facing toward the attic space. Secure the fan unit to the mounting box with self tapping screws.

If installing a Breeze Mate® control system, please follow the instructions included with that product at this time. Plug the power cable from the solar panel or Breeze Mate® connector into the power cable connector on the fan (black cable).



ATTENTION: KEEP THE SOLAR PANEL COVERED DURING INSTALLATION. After the power cable is connected, your Attic Breeze solar fan may begin operating immediately when exposed to sunlight.

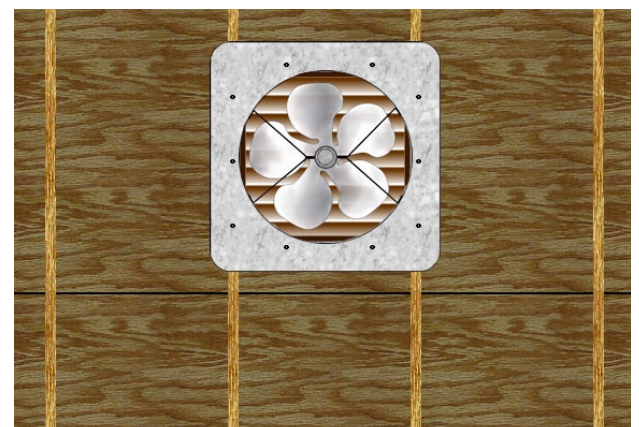


Figure 2 - Installing the Fan

Warranty Registration

Attic Breeze offers an industry leading LIFETIME WARRANTY on your new solar attic fan. For more information about the terms and conditions of our warranty, please see our website for details. Thank you for choosing Attic Breeze!



YOUR WARRANTY MUST BE REGISTERED WITHIN 90 DAYS OF INSTALLATION. Please visit our website at www.atticbreeze.net to register your warranty.

www.atticbreeze.net

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