# GABLE FAN INSTALLATION
Models #GBL 850, 1050, 1250, 1650, and 2000

USE THIS PAGE FOR installing an SRS Gable Fan **behind a louvered gable vent.**

The **SunRise™ Solar-Powered Gable Fan** is designed to mount behind existing louvers on the inside of the attic. If no louver exists, one must be installed. Louvered vent should be mounted in the center of the upper portion of the gable wall as high as possible. There is some loss in fan output because louvers block some of the air flow. Metal louvers have more open area than wood louvers and usually allow more air flow.

When installing the **SunRise Gable Fan** behind louvers, you should seal off or box in any louver area not covered by the ventilator housing to prevent air leakage and recirculation. Allow at least one square foot of air intake area for every 300CFM of ventilator capacity. Air intake should come from the eaves (soffit), or a louver mounted on the opposite gable of attic.

CAUTION: When installing louvers, do not remove existing structural members without providing alternate support.
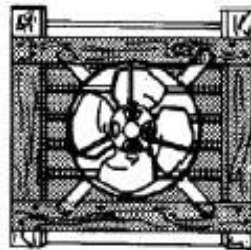
Specifications:
Fan Housing: 24"x 24"x 6.25" ABS UV Composite
Brackets: Stainless Steel painted Black
Fan Blade: 12" aluminum (models 850 – 1050)
Fan Blade: 12" polycarbon (models 1250 – 2000)
Solar panel: 23"x 19" ABS Frame (models 850 – 1250)
Solar panel: 21"x 20" Metal Frame (models 1650 - 2000)
Wire: 15" with all connectors

Mounting Instructions:
1) Screw Gable Fan Housing to framing directly behind gable louver as discussed above.
2) Find a suitable location on the roof to mount solar panel – a Southern or Western-facing roof slope will allow the solar panel to capture the most sunlight during the day. The solar panel comes with a 15' extension cord, so be sure the solar panel is not more than 15' from the Gable Fan Housing.
3) If possible, feed the wire into the attic through an existing vent hole or ridge cap. Or, drill a 3/8" hole through the roof and feed the wire down into the attic. Apply a generous amount of silicone or other sealant to the area where the wire goes through roof.
4) **If installing a metal-frame panel skip Step #4 and follow directions on back.** Otherwise, set the ABS-framed panel in place, and mount to roof using (4) exterior-grade screws. Seal screw heads and perimeter of mounting flange.
5) From inside attic, connect wires to solar panel, matching red to red and black to black.
6) Gently plug wire connectors into tabs on motor, red to red and black to black.
7) Use included wire ties to coil up and secure loose wire if needed.

NOTE: Sometimes the black wire (negative) is blue, but red wire (positive) will always be red.

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IMPORTANT INFORMATION
## FOR METAL-FRAMED SOLAR PANEL MOUNTING

Sometimes it's possible to tuck the top "L" brackets under a row of tile so you don't have

to drill too many holes in the tile. Then just one bracket at the bottom to secure

panel to tile.

Four (4) heavy-duty aluminum "L" brackets have been provided with this solar panel to allow it to be mounted to any roofing surface.

1) *Use the (4) 5/8" self-tapping stainless steel screws to secure "L" bracket to solar panel frame. Use a 1/8" drill bit to drill pilot holes in the solar panel frame after determining the location of the "L" bracket*.

2) Use (4) of the 1 ½" zinc-coated screws with attached rubber and metal washer to secure "L" bracket to roof. Note: You may find a creative way to use the "L" brackets where the top brackets tuck under a row of tile….this way you won't have to drill too many holes in the tile.

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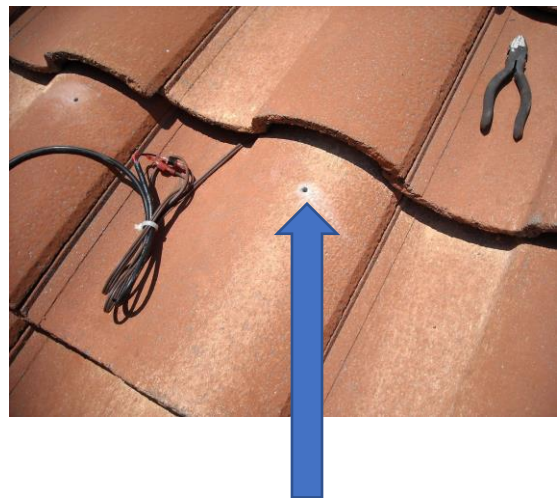
*BEFORE attaching "L" brackets to solar panel frame, make sure brackets will hit the high spots of the tile when working with Spanish Tile.