

SOLAR ROYAL SR1800 SERIES QUICK INSTALL GUIDE

Thank you for purchasing a Solar Royal SR1800. The following is a quick guide to installing your attic fan. You may find the full installation guide at manual.solarroyal.com. Please make sure to register your product, as this is necessary for activating your warranty. Once again, it is crucial that the end user registers the products installed within ninety days or your product will not be covered by our warranty. You may register with the enclosed form or online at reg.solarroyal.com.

Prior to the Installation:

Tools Required:

- Safety Goggles
- Measuring Tape
- Marking Pencil
- Utility Knife
- Screws (Provided)
- Caulk (MP1 or similar)
- Stud Finder
- Drill w/Phillips Bit
- Flat Pry Bar
- Caulk Gun
- Reciprocating Saw
- String and 2 Nails (Recommended)



REVIEW INSTALLATION OVERVIEW:



<https://www.youtube.com/user/solarroyal>



Installing an attic fan is fairly easy but Solar Royal, LLC recommends that if you have no experience working with these materials or are not familiar with working on a roof, you should hire an insured and bonded professional to install anything on your roof, including a solar attic fan.

Step 1: Measure and Cut the Hole

On either 24" or 16" center construction, we recommend cutting a 15" round hole between the rafters. We recommend installing the SR1800 between the rafters but if not possible it is OK to install the SR1800 over a rafter.



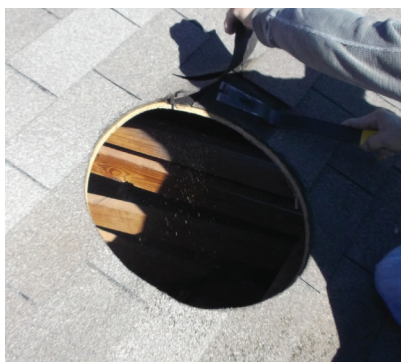
Measuring the hole



The hole cut out

Step 2: Insert the Flashing

Once the hole has been made, trim away shingles as needed to accommodate the metal base flashing so that you have a clean and tight fit. Normally, if you cut a clean 15" hole, we recommend trimming away from the top row(s) of shingles an additional 1" (one inch) to allow the base flashing to slip under the top row(s) of shingles and over the bottom row(s). Slip the flat metal base under the top row(s) of shingles and center the unit over the opening. The base is square so it does not matter which side is installed first. Before attempting to slide in the flashing, remove any roofing nails or other obstructions. Avoid scratching the powder-coating.



*Removing
obstructions*



*Flashing after
sliding in*

Step 3: Seal and Secure the Flashing

Once the metal flashing is in place, gently lift the lower exposed metal base flashing and apply sealant (caulk) generously under the side and lower edges, but not so much that it oozes out. If sealant starts to ooze, just wipe off excess before it hardens. The bottom part of the flashing will be exposed and sits on top of the shingles. Drill 8 mounting holes (along bottom and exposed sides). Use the eight (8) 1" panhead screws provided to mount the unit while making sure the unit is properly squared with the roof edge or side before securing the second screw. Not having the unit properly squared will make for an uneven look from the ground so it's important to align it carefully.

After properly mounting the SR1800 to the roof, utilize the exterior grade, high-heat, waterproof sealant (caulk) by applying generously over the screws as needed over or on the sides of the shingles. Re-check the status of the oozing or lack of sealant on the exposed metal flashing underside. Now is the time to do it right and make sure the installation is watertight. Also seal any scratches or loosened paint.



Secure the flashing



Sealing the flashing

Step 4: Attach and Configure the Hood

The SR1800 comes with a 36" thermostat wire (thermoball) attachment. This is designed to hang down into your attic. You can adjust the length of the thermostat with a cable tie or tape. The Thermoball is designed to allow the fan to run once the temperature is above 78° F (+/- 5°). Carefully set the SR1800 down (centered) on the metal base (flashing) making sure the thermoball/cable is not being pinched and is hanging down within the attic space. **IT IS CRUCIAL TO MAKE SURE THE THERMOBALL/CABLE IS NOT HANGING DOWN IN A WAY THAT IT CAN BE CAUGHT OR PULLED INTO THE FAN BLADE AS THIS WILL CUT THE CABLE AND THE FAN WILL CEASE TO WORK, WHICH IS NOT A WARRANTY REPAIR.** Depending on the roof pitch/slope how the cable is hanging down must be inspected. We recommend making sure the hanging cable is on the down-side of the pitch/slope of the roof or installed in a way that keeps the thermoball/cable away from the spinning blade. If you want to have your solar panel at an angle, remember to take into consideration where and how the hood is placed. The SR1800, when placed on the base, should be slightly off and not exactly squared with the metal base unit until the unit is turned to the left and clicked into place. You will hear a very distinct 'Click' which is the metal clips locking the solar attic fan into place. If you have found that you have placed it incorrectly, you will then need to remove the four screws from the sides, lifting off the top portion of the solar attic fan. Be careful not to pinch or sever the wiring. You will then find two metal thumb-spring plates which you will slightly lift. To turn the lower portion of the solar attic fan to the right so it can be removed and reattached to the top part of the unit.



Attaching the Hood



Raising the solar panel

Step 5: **** IMPORTANT **** Serial Number & Warranty Registration

The SR1800 has matching serial numbers on the box, hood, solar panel and motor. This is a great time to remind your customer or if you are the customer to verify your serial number(s) so that you can register right away. Warranty is only valid if registered within 90 days of installation or purchase invoice date, whichever is first.