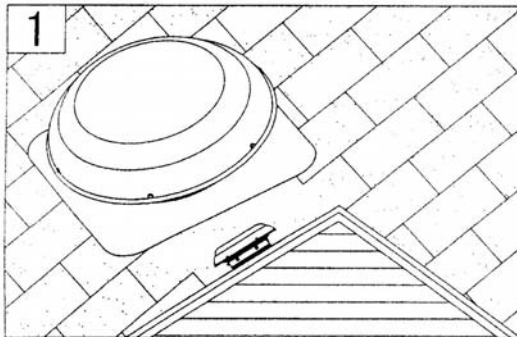


Installation Instructions for VX1000SOLARROOF

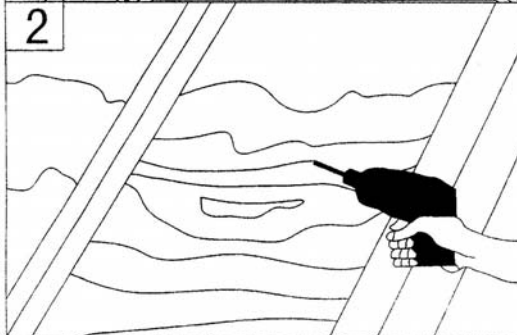
READ AND SAVE THESE INSTRUCTIONS

Ventamatic

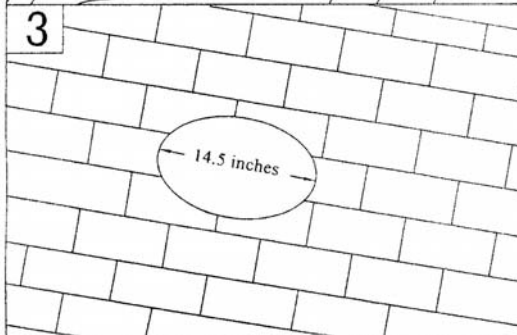
Model:32199



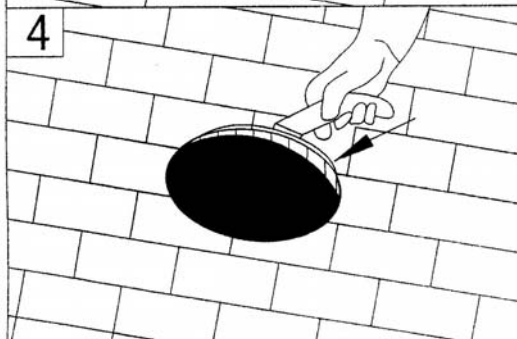
POSITION THE POWER ROOF MOUNTED ATTIC VENTILATOR ON THE ROOF: place the roof mount ventilator on the rear-facing side of the house. Set the unit approximately in the center of the roof, close to the ridge-line (as shown to the left).



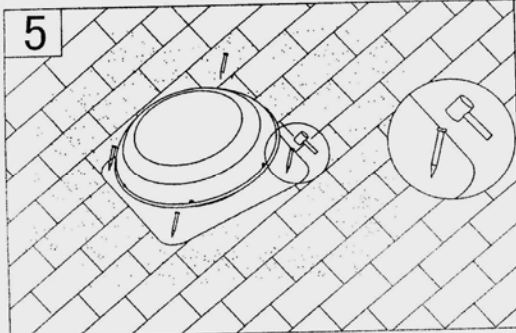
DRILLING THE GUIDE HOLE: Measure the distance to the ridgeline and to one end of the roof. Transfer these exterior dimensions to the inside of the attic. Next, locate a center position between two rafters inside the attic as near as possible to the outside measurements. Drill a guide hole through the roof from the inside that is equal distance from the two rafters. Place a marker such as a scarf or sock through the hole for quick identification while on the roof.



MARKING THE HOLE: Using the template on the box, draw a circle 14-1/2" in diameter with the guide hole (from step 2) as the center.

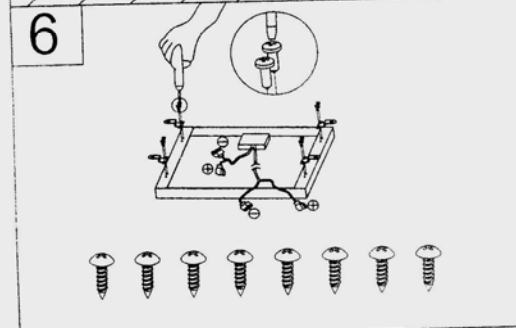


CUTTING THE HOLE IN THE ROOF: Using a saw, cut out the 14-1/2" circle. Be careful not to cut through the rafters. Cutting a rafter may cause your roof to sag. Next, using a utility knife, cut an extra 1" circle into the shingles only around the top half of the hole to allow room for placing and positioning the flange.



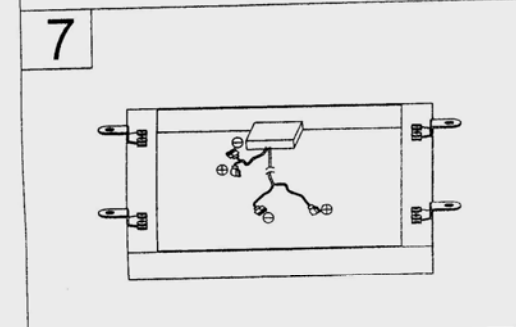
5

MOUNTING THE ROOF MOUNTED ATTIC FAN TO THE ROOF: Using 4 roofing nails (not provided), secure the attic fan to the roof in the selected location. Caulking should be used to seal the vent to the roof before nailing down the vent. This will eliminate the opportunity for moisture to enter the attic. Place the caulking on the bottom of the fan housing.



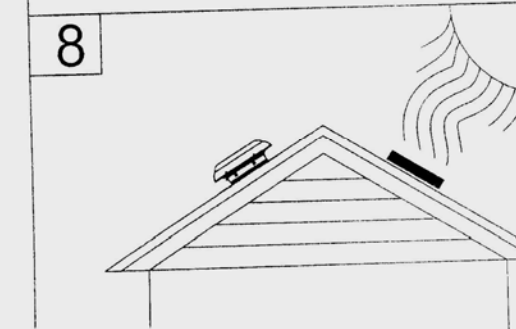
6

SOLAR PANEL PRE-INSTALLATION
Mount the 4 brackets on the solar panel with the 8 screws provided.



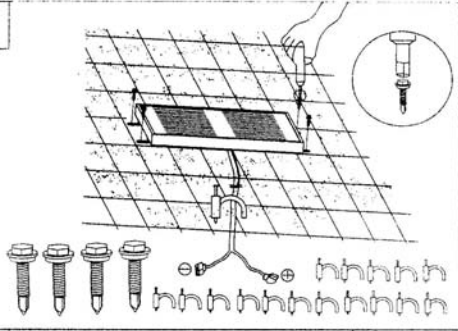
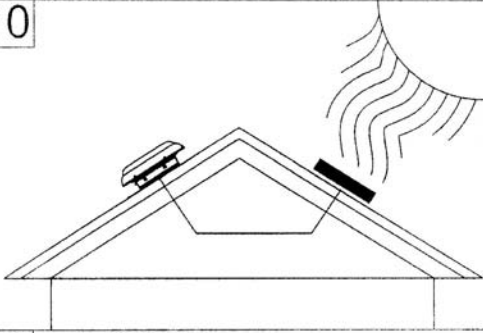
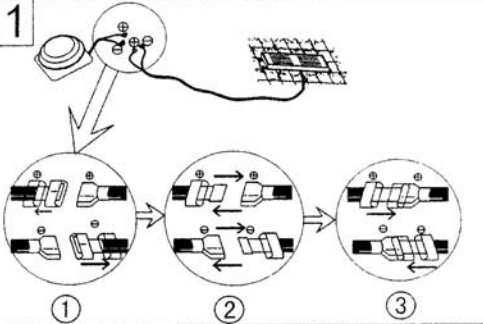
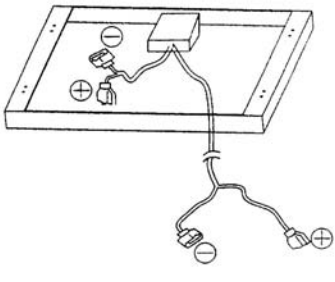
7

Step 7 shows the results of Step 6, the fully assembled solar panel.

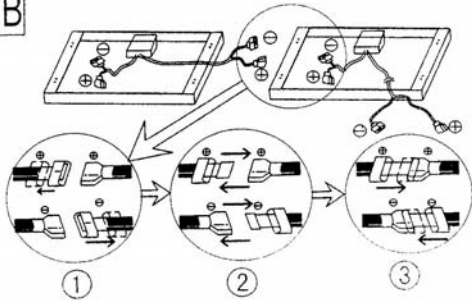


8

POSITIONING THE SOLAR PANEL: The solar panel should be placed with a southern exposure to optimize the solar collection. Position away from locations which experience any shade.

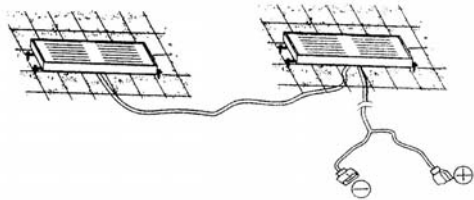
<p>9</p> 	<p>MOUNTING THE SOLAR PANEL Mount the solar panel onto the roof with the 4 screws and 4 lock washers pre-attached (provided). Secure the solar panel to the roof in the selected location. Use the wire clips to secure the wire to the roof.</p>
<p>10</p> 	<p>It is acceptable for the wires connecting the power attic ventilator and the solar panel to run across the roof. If you prefer to route the wires through the attic (as shown to the left), do the following. A) Drill a hole in the roof deck near the top of the solar panel location. B) Insert connector wires through the hole into attic. C) Add caulking around the hole.</p>
<p>11</p> 	<p>CONNECTING THE SOLAR PANEL: Cover the solar panel from the sun so that it will not produce power. The panel may be covered by using a non translucent material such as the cardboard box it was purchased in. Wires should run from the solar panel to the attic fan from under the flange or through the attic. Connect the solar panel wires to those from the attic vent. Be sure that the positive wire from the solar panel is connected to the positive wire from the fan and the negative wire from the solar panel to the negative wire from the fan.</p>
<p>11A</p> 	<p>MULTIPLE SOLAR PANELS: The solar panels may be connected in parallel to increase the power/input of the attic vent.</p>

11B



SOLAR PANEL CONNECTS TO EXTRA SOLAR PANEL: Connect the positive wire on the "Input" from the 1st solar panel to the positive wire on the "Output" on the 2nd solar panel. Next connect the negative wire on the "Input" from the 1st solar panel to the negative wire on the 2nd solar panel.

11C



COMPLETE WIRING ASSEMBLY FOR MULTIPLE SOLAR PANELS: Step 11C shows the results of step 11B. the completed connection between multiple solar panels.