

INSTALLATION INSTRUCTIONS

Power Dome Attic Ventilator

THIS PRODUCT IS FOR RESIDENTIAL USE ONLY

NOT RECOMMENDED FOR INSTALLATION ON ROOFS COVERED WITH CEDAR SHAKE, TILE OR SIMILAR MATERIALS

MODEL PDV-305-1MB

Specifications: Permanently lubricated, thermally protected, motor operates on 115 volts AC, 60 cycle. Large 14" fan blade, 25" diameter dome, 27" square flange. (NOTE: Due to our continuing program of product improvements, specifications are subject to change without notice.)

This fan intended for installation facing an unoccupied space only.

WARNING: To reduce the risk of fire or electric shock, do not use this fan with any solid state speed control device.

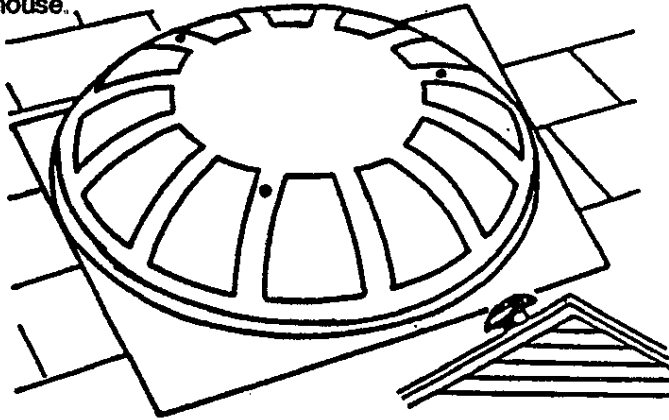
TOOLS NEEDED: Hammer, 1/4" drill, sabre saw or keyhole saw, screwdriver, tape measure or ruler, utility knife.

IMPORTANT: At least 4 square feet of air inlet opening is necessary for proper exhaust operation. Best results will be obtained if these openings are located around the eaves. Soffit grills or continuous soffit vent is suggested.

STEP-BY-STEP INSTRUCTIONS

(Read each step completely before beginning installation procedure.)

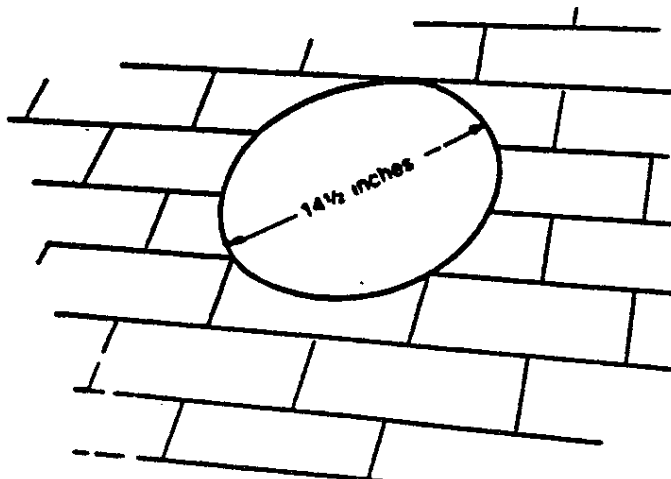
- 1. POSITIONING THE POWERED ATTIC SPACE VENTILATOR ON THE ROOF.** Set unit approximately in the center of the roof, slightly below the ridgeline so the unit can only be seen from one side of the house.



- 2. DRILL THE GUIDE HOLE.** Measure the distance to the ridgeline and to one end of the roof. Transfer these exterior dimensions to inside the attic. Next locate a center position between two rafters (inside the attic) as near as possible to the outside position. Drill a guide hole through the roof from the inside equal distance from the two rafters. Place a marker through the hole for quick recognition on the roof.

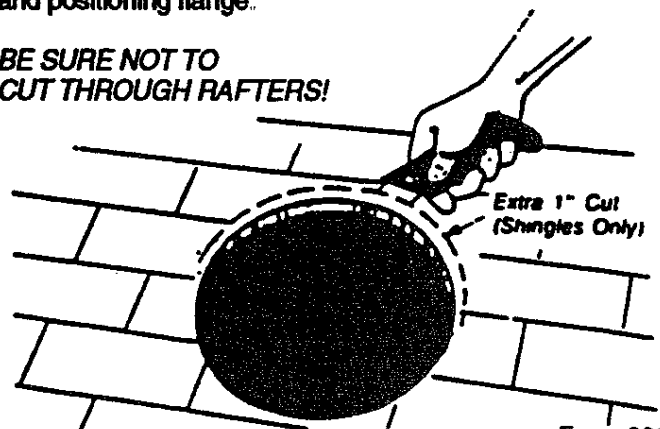


- 3. OUTLINING THE HOLE.** Draw a circle 14 1/2" in diameter using the guide hole as the center. The carton has a hole template for your convenience.



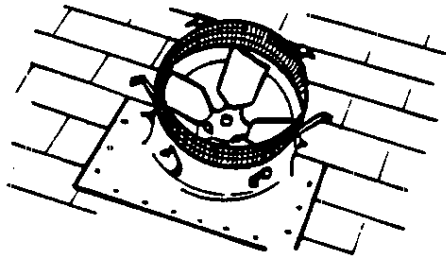
- 4. CUTTING THE HOLE IN ROOF.** Using a sabre saw, cut and remove all roof shingles (and deck) inside the 14 1/2" diameter circle. Next cut an extra 1" out of the top half of the hole (shingles only) to allow room for placing and positioning flange.

BE SURE NOT TO CUT THROUGH RAFTERS!

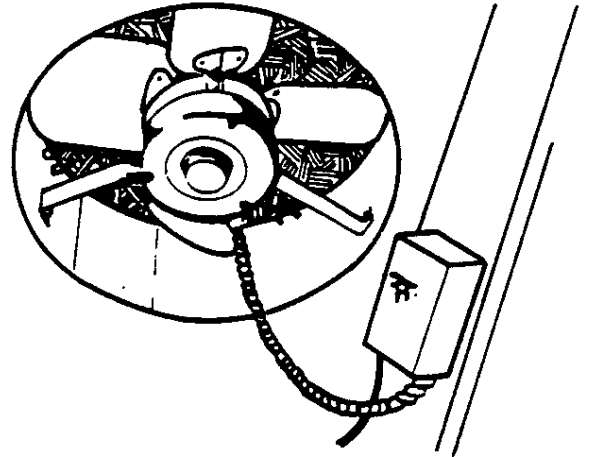


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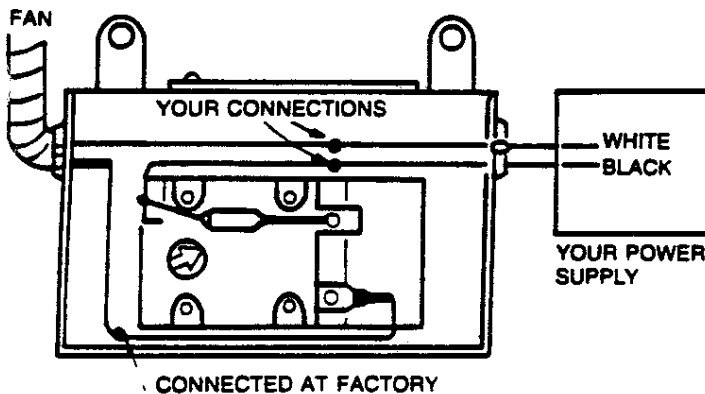
5 SECURING THE BASE. (NOTE: You may want to remove dome for this step.) Make sure the base square flange parallels the ridgeline of the roof. Slip the upper half of the square flange up under the shingles (some of the flange can be cut down if necessary). Now the throat of the unit should be directly over the hole in the roof. The lower half of the square flange should be nailed down securely using roofing nails. Do not "hot mop." It is recommended that a non-hardening roof compound be used to seal between flange and shingles.



6 INSTALLING THE THERMOSTAT. Separate the thermostat cover from the mounting plate. Secure the plate to a rafter. Connect thermostat as per wiring diagram (step 7). Adjust thermostat setting to 90-100 degrees.




7 WIRING THE THERMOSTAT. With electricity turned off at the circuit breaker box, wire thermostat as shown in diagram below. All applicable local codes must be followed. Attach your ground wire to the thermostat box.



CAUTION: BE SURE ELECTRICITY IS TURNED OFF AT CIRCUIT BREAKER BOX BEFORE WIRING THERMOSTAT!

8 THERMOSTAT OPERATION the thermostat operates on a "FAN-OFF" temperature setting. Set the temperature dial to an 90-100 degree setting. When the power ventilator is operational, the fan should start automatically when the attic temperature rises above the setting and cut off when the attic is cooled down to the thermostat setting.

(NOTE: The thermostat on your Power Dome Attic Ventilator is equipped with a high temperature circuit breaker that will disengage the unit in case of fire.)

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IMPORTANT Do Not Destroy — Save For Homeowner