Power Vent 2000

Installation Instructions

WARNING — *TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:*

A. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

B. Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally. When the service panel cannot be locked, securely fasten a prominent warning device, such as a tag to the service panel.

C. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

D. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel-burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guide lines and safety standards, such as those published by the National Fire Protection Association (NFPA) and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

E. When cutting or drilling into wall or ceiling, do not damage electrical wiring or other hidden utilities.

F. Ducted fans must always be vented to the outdoors.

G. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application.

H. NEVER - place a switch where it can be reached from a tub or a shower.

CAUTION - For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

CAUTION- This unit has an unguarded fan blade. Do not use in locations readily accessible to people or animals. This fan is intended for use facing an unoccupied space only.

Be sure your fan is properly installed. Your fan is designed to operate on 120 VAC 60 Hz.

Sharp edges are exposed during installation. Use gloves and other safety equipment to avoid accidents.

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

IMPORTANT

With the power vent installed, at least 768 square inches of inlet area must be provided.

OPERATION

Your ventilator will operate automatically as needed. The adjustable thermostat has been set at the factory to come on at 100°F., off at 85°F. The motor has been permanently lubricated and does not require additional lubrication.

INSTALLATION

1. Determine approximately where on your roof you will place your Power Ventilator.

   - At the highest point in your attic or air space. Best if centered on roof length, and less conspicuous if placed on side away from street.
   - IMPORTANT: Keep the highest part of the dome lower than the ridge line to ensure that the dome's edge is NOT above ridge line. (Typically, the center of the vent should be about 24 inches down from the ridge.)
   - Establish your position with accuracy (because you will want to duplicate it inside your attic) by measuring down from the ridge and over from the roof edge.

2. Working now from the inside, mark your planned opening (as you established position when on roof) and relocate your position to be centered between two rafters. Drive a nail into the roof so that it can be easily found when you return to the roof. Before you return to the roof, be sure that you have: (a) string or compass, (b) drill and drill bit, (c) keyhole or electric jig (saber) saw with a sharp coarse blade, (d) ventilator and base, (e) roofing nails and hammer, and (f) roofing cement and applicator.

3. Using the nail driven from the inside as center, scribe a 14" diameter circle using string or compass. Care should be taken not to make the hole too large.

4. Drill a starting hole for sawing inside the scribed circle.

5. Starting in the drilled hole, cut circular opening, following the scribed line. Use either keyhole or an electric jig (saber) saw with a sharp coarse blade to cut shingles and roof boards at one time. If you do not have a coarse blade, cut away shingles inside the circle with utility knife before cutting roof boards.

6. Carefully remove roofing nails from top row of shingles so that the flashing of the ventilator will slide under top row.

   Slide ventilator carefully into place with arrow pointing up, letting thermostat hang down into opening. Fasten the aluminum base to roof boards with roofing nails. Keep heads of nails under shingles wherever possible.

7. Finish the exterior mounting by sealing all seams and nails with roofing cement. Use cement also to fasten down loose edges of shingles. Return to the attic. You now have to mount the thermostat and connect the wiring.

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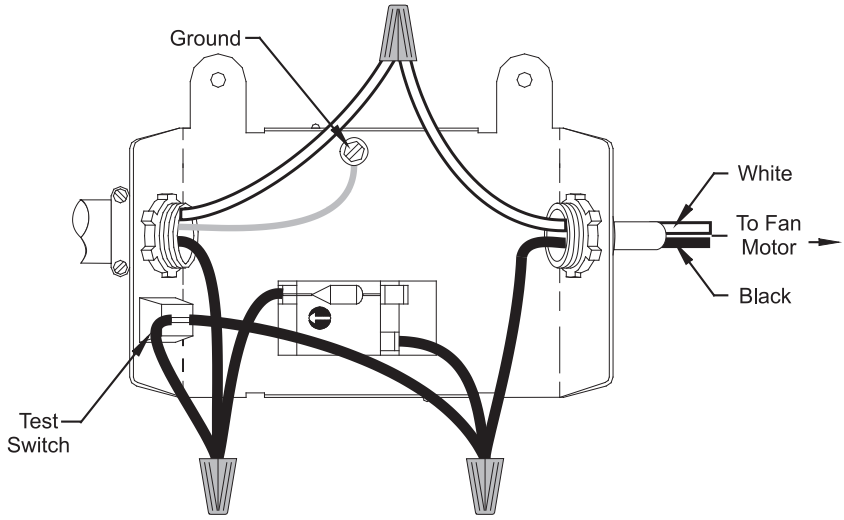
NOTE: If the dome is removed for any reason, torque the mounting screw to a maximum of 60 inch-pounds (+/- 5) when reinstalled. CAUTION - DO NOT OVERTIGHTEN

8. Position thermostat base high (in the warmest part of the air space) and above the ventilator opening. Make sure that flexible cable does not touch the roof or rafters. (This will eliminate vibration noise.)

   The thermostat is a delicate instrument, use screws instead of nails when fastening bracket to roof rafter.

   Your power ventilator MUST be wired as shown. Make all connections inside the thermostat box. Connect white (neutral) wire from a power supply to white wire on motor. Connect black (hot) wire from power supply to black wire on the thermostat and black wire on switch. The other black wire on the thermostat and black wire on switch have been connected to the black wire on the motor at the factory but should be checked to ensure a good tight connection. The ground wire from the supply should be connected to the ground wire from the thermostat box.



9. **WARNING!** Turn off power before connecting power wires to ventilator. Your power feed wire should be 14 gauge or larger wire size (two wires plus ground). Take from thermostat box and bring to power distribution panel. Feed through bushing and connect to 15-amp circuit breaker.
   - Black to circuit breaker
   - White to neutral base
   - Plain to ground base

   Recheck your connections then turn the power on. You should now enjoy the advantages of a Power Ventilator, operating as the thermostat demands.

   A test switch has been provided. To make sure your Lomanco Power Ventilator is operating properly, simply "PUSH TO TEST." Caution should be taken to ensure that no body parts come in contact with any of the vent's moving parts during this test.

   NOTE: To control humidity in your attic, a humidistat is also available.

THREE MUST DO Steps to attic ventilation

1 **Install all Exhaust Ventilation at the SAME HEIGHT within a common attic area.**

Installation of exhaust vents at more than one level on a roof allows the upper exhaust vent to pull air in from lower exhaust vents rather than from the intake vents. Intake air must come from intake vents located near the lower part of the attic space to properly ventilate the total attic area and eliminate weather infiltration.

2 **Install ONLY ONE TYPE of Exhaust Ventilation within a common attic area.**

Exhaust Vents pull air from the easiest intake source. Vent types cannot be mixed. The use of different types of exhaust vents could make one of the vents act as intake for the other. Intake air must come from intake vents located near the lower part of the attic space to properly ventilate the total attic area and eliminate weather infiltration.

3 **Install a BALANCED SYSTEM of Intake and Exhaust Ventilation.**

50% Intake Ventilation - Intake vents located near the lower part of the attic area are required to balance out your ventilation system.
50% Exhaust Ventilation - Exhaust vents located near the upper part of the attic area are required to balance out your ventilation system.

PARTS AND ACCESSORIES
available at lomanco.com

LIMITED WARRANTY
See manufacturer or distributor for details.

ONLINE WARRANTY REGISTRATION
Please scan the QR code and fill out the online form to complete your warranty registration. Purchase and install date information will be required.