

- A. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- B. Installation work must be done by qualified person(s) in accordance with all applicable codes and standards.
- C. When cutting or drilling into wall or ceiling, do not damage electrical wiring or other hidden utilities.

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

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

IMPORTANT

With the 135 vent installed, appropriate inlet area must be provided. This is achieved by installing intake vents, totaling 144 square inches per vent.

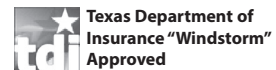
INSTALLATION

1. Determine approximately where on your roof you will place your 135 roof louver.
 - 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.
 - Keep the top of the ventilator lower than the ridge line. (The center of the vent should be about 24 inches down from the peak.)
 - 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 starting holes for sawing inside the scribed circle. A hand drill with 1/2" bits should do the job nicely.
5. Starting in one of the drill holes, cut circular opening, faithfully following 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.
7. Slide ventilator carefully into place with arrow pointing up. Fasten the aluminum base to roof boards with roofing nails. Keep heads of nails under shingles wherever possible.
8. Finish the exterior mounting by sealing all seams and nails with roofing cement. Use cement also to fasten down loose edges of shingles.

NOTE: If the dome is removed for any reason, torque the mounting screw to a maximum of 100 **INCH** pounds when reinstalled. **CAUTION - DO NOT OVERTIGHTEN.**



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.
Install ONLY ONE TYPE of Exhaust Ventilation within a common attic area.
- 2** 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.
Install a BALANCED SYSTEM of Intake and Exhaust Ventilation.
- 3** **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 - Use a Lomanco Ventilation Selector Guide, or the calculators at lomanco.com to determine the number of vents needed to properly ventilate an attic to meet the Ventilation Minimum Property Standard.