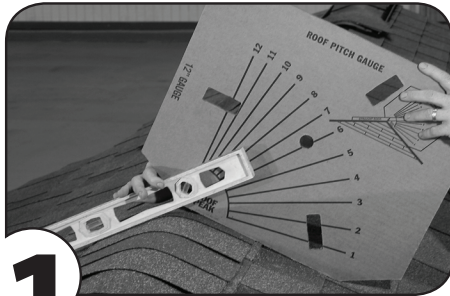


Model BIB & BEB Installation Instructions



1 To determine roof pitch, place gauge on peak of roof as shown. Position straight edge as shown. Read roof pitch from printed gauge parallel to bottom of straight edge.



2 Align roof pitch number on elbow with the indicator line on the base flashing. Place 3 screws through holes that line up with predrilled holes in base.



3 Locate base opening between rafters and mark hole to be cut. Locate rafters by tapping roof.



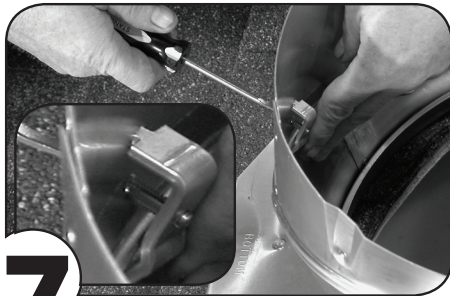
4 Cut hole as marked. Seal around entire perimeter of hole with roofing cement.



5 Slide top half of flashing under shingles. Secure with nails at top, sides and bottom.



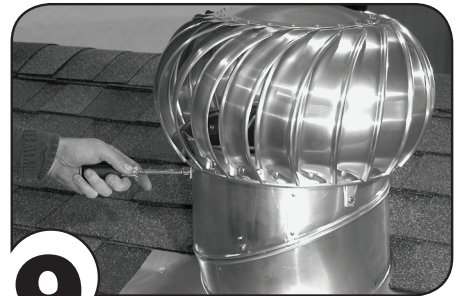
6 Rotate top of elbow to level position by turning counter clockwise.



7 Place locking clamp across seam and tighten as shown with included screw.



8 Seal the adjusting seam and the base/elbow connection seam on inside with roofing cement. Seal locking clamp holes and all exposed nails with roofing cement.



9 Position the **Whirlybird®** turbine head on the base. Line up the predrilled holes in the brackets and elbow and fasten with sheet metal screws.



10 After installing, check to see that **Whirlybird®** turbine vent turns freely. In transportation it may have shifted slightly. If necessary, minor adjustment may be made by gently prying lowest point of turbine upward to remove any wobble.

Tools Needed:

- Screwdriver
- Level
- Jig Saw
- Putty Knife
- Utility Knife
- Drill
- Hammer
- Tape Measure

GUARANTEE

Lomanco, Inc., guarantees this product against defects due to workmanship, parts, or mechanical failure forever. For replacement of the defective product send it, freight prepaid to Lomanco, Inc., 2101 West Main Street, Jacksonville, AR 72076. If the unit is defective, it will be replaced with a new unit at no charge and returned, freight prepaid. Guarantee does not include replacement due to destructive storms. Guarantee is transferable from the original owner to subsequent owners.

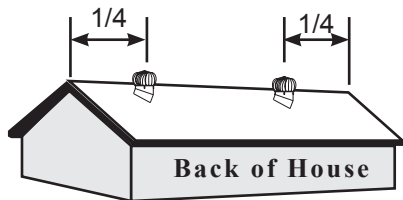
GUARANTEE APPLIES TO RESIDENTIAL ATTIC USE ONLY AS AN EXHAUST VENT IN A BALANCED VENTILATION SYSTEM.
 GUARANTEE IS VOID IF USED ON FIREPLACE, CHIMNEY, STOVEPIPE OR ANY APPLICATION OTHER THAN AS INTENDED BY LOMANCO.

LOMANCO® VENTS



The Original!

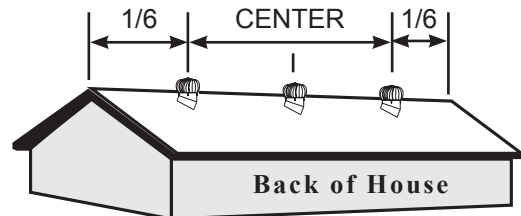
How To Locate and Space Whirlybird® Turbine Vent



Proper Spacing With Two Whirlybird® Turbine Vents Installed

Whirlybird® turbine vents should be located near the peak of the roof on the rear slope, exposed to the wind from all directions. When installing two, place each one $\frac{1}{4}$ of the total length of the roof peak from each end of the house.

Example: On a 40' roof, each Whirlybird® turbine vent should be 10' from each end of the house.



Proper Spacing With Three Whirlybird® Turbine Vents Installed

Whirlybird® turbine vents should be located near the peak of the roof on the rear slope, exposed to the wind from all directions. When installing three, one should be installed $\frac{1}{6}$ of the total length of the roof peak from each end of the house and one should be installed in the center.

Example: On a 60' roof, the two outside Whirlybird® turbine vents should be 10' from each end of the house – and the center one should be 30' from either end of the house.

A Properly Ventilated Attic Must Have Intake and Exhaust Vents

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.

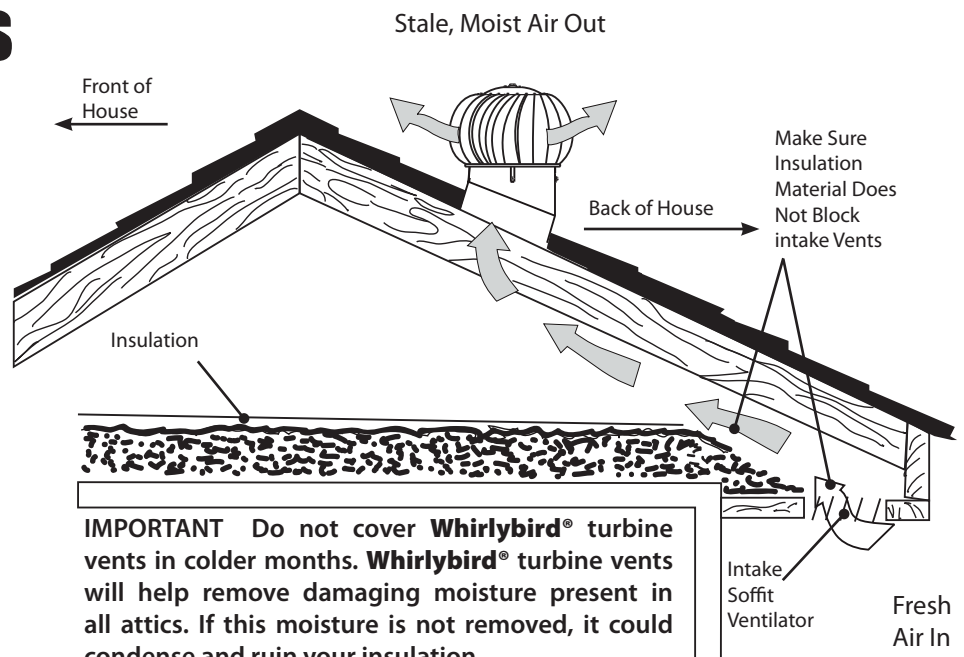
2 Install ONLY ONE TYPE of Exhaust Ventilation within a common attic area.

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 - 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.



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