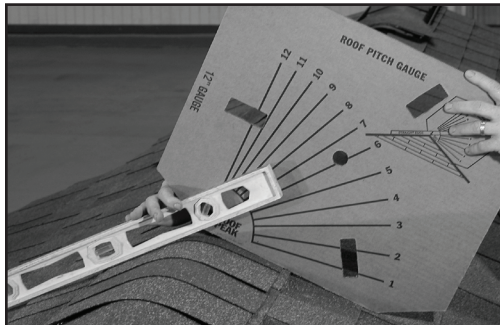


BIB & BEB Whirlybird®

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. After turning bottom of elbow clockwise to align roof pitch number with indicator line on flashing. Place 3 screws through holes that line up with predrilled holes in base.



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



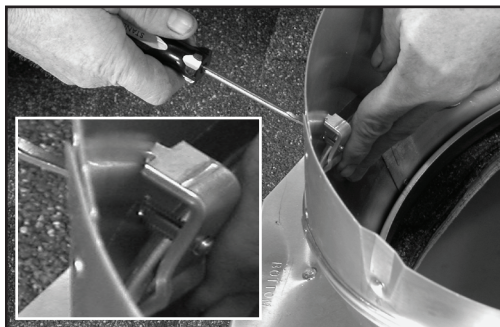
4. Cut hole as marked. Seal around entire perimeter of hole with roofing cement.



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



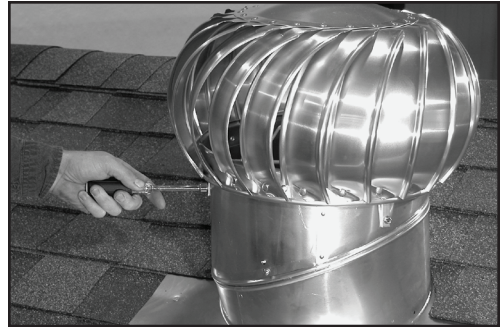
6. Rotate top of elbow to level position by turning counter clockwise.



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 Whirlybird® 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 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.

20000_0110

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.

Tools needed:
Screwdriver
Carpenter's level
Key hole saw
Or saber saw
Putty Knife
Utility Knife
Drill
Hammer
Ruler

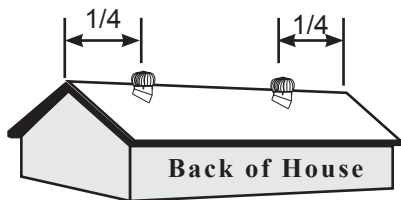


Lomanco, Inc.

P.O. Box 519 • 2101 West Main
Jacksonville, AR 72076

800-643-5596 Fax: 501-982-1258
info@lomanco.com lomanco.com

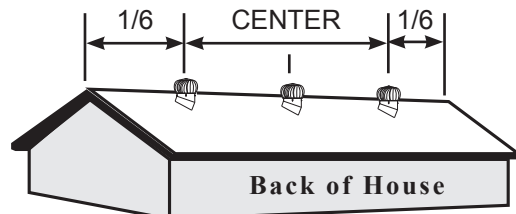
How to Locate and Space WhirlyBird® Wind Driven Turbine Ventilators



Proper Spacing With Two WhirlyBirds® Installed

WhirlyBirds® 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 1/4 of the total length of the roof peak from each end of the house.

For example, on a 40' roof, each WhirlyBird® should be 10' from each end of the house.



Proper Spacing With Three WhirlyBirds® Installed

WhirlyBirds® 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 1/6 of the total length of the roof peak from each end of the house and one should be installed in the center.

For example, on a 60' roof, the two outside WhirlyBirds® 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 Ventilators

DO'S AND DON'TS FOR ATTIC VENTILATION.

DO 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 wrongly pull air in from lower exhaust vent rather than from the soffit Intake Vents.

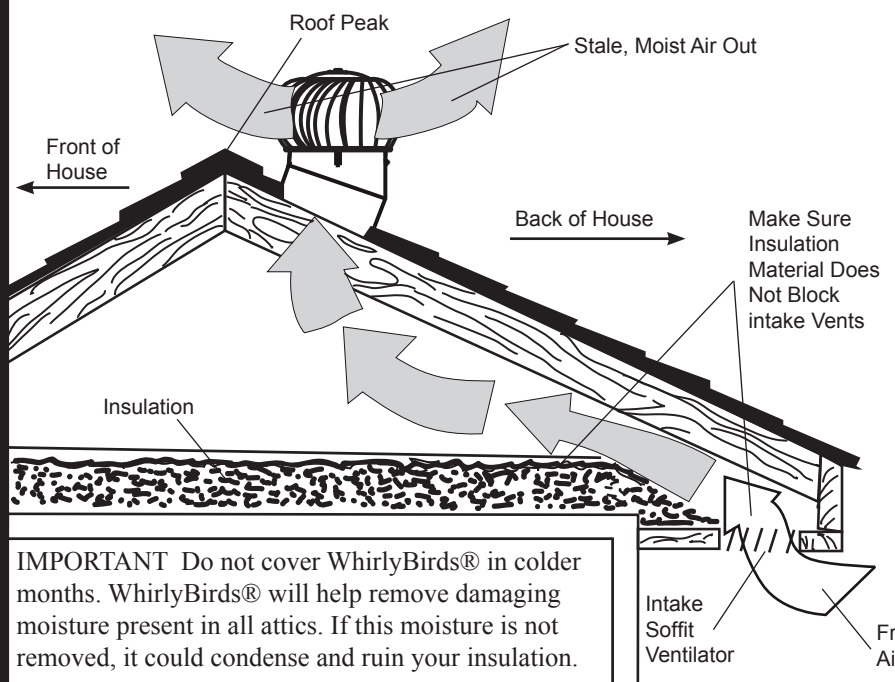
DON'T install exhaust vents at different heights.

DON'T install Ridge Vents down the hip.

DO install **ONLY ONE TYPE** of Exhaust Ventilation within a common attic area. Exhaust Vents pull air from the easiest Intake source. The use of two or more types of exhaust vents such as Power Vents with Roof Vents or Gable Vents with Ridge Vents or Roof Vents could make one of these vents act as intake instead of pulling air from the soffit vents.

DON'T mix different types of exhaust vents.

DO install a **BALANCED SYSTEM** of Intake and Exhaust Ventilation. 50% Intake and 50% Exhaust is a balanced system. Improper intake may lead to snow or rain infiltration into the exhaust vents.



IMPORTANT Do not cover WhirlyBirds® in colder months. WhirlyBirds® will help remove damaging moisture present in all attics. If this moisture is not removed, it could condense and ruin your insulation.



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