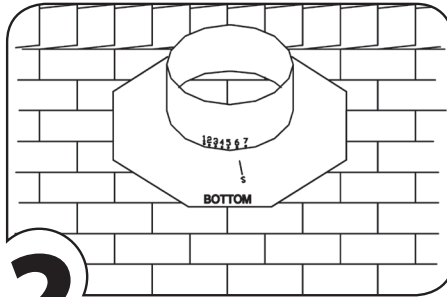


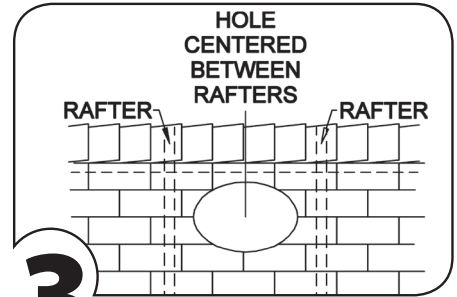
# 1

To determine roof pitch, use gauge on carton flap. Place on peak of roof and position straight edge as shown. Read roof pitch from printed gauge parallel to bottom of straight edge. This turbine is designed to fit 1/12 to 7/12 roof pitches.



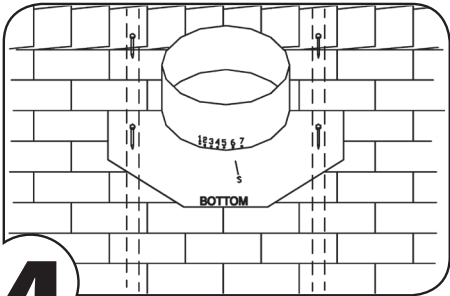
# 2

Slip elbow onto base. Turn elbow to align roof pitch number on elbow with indicator line on base and secure with three (3) sheet metal screws provided.



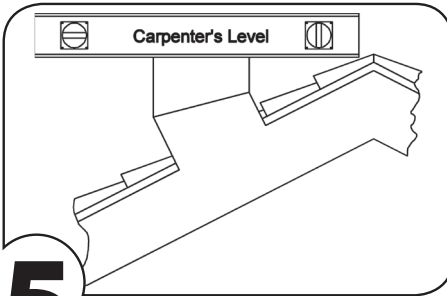
# 3

After finding the general location of turbines, (see location drawing on the back of this page), mark a hole on shingles between the rafters. Cut hole as marked. **Note: Turbines may be positioned over a rafter, however this will result in a slight decrease in efficiency. Do not cut the rafter.**



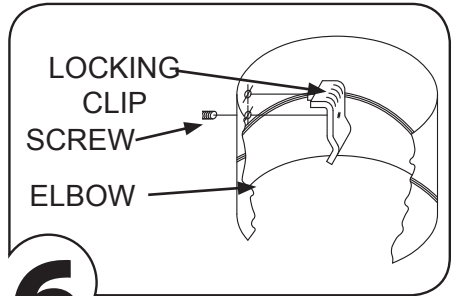
# 4

Lift tab of shingles and slide the top half of flashing under shingles and secure with nails as shown.



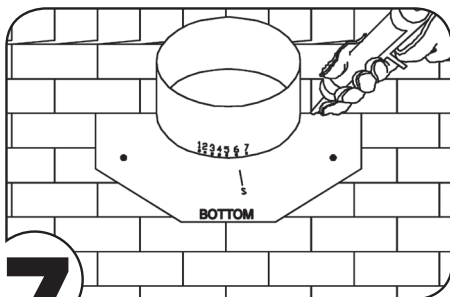
# 5

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



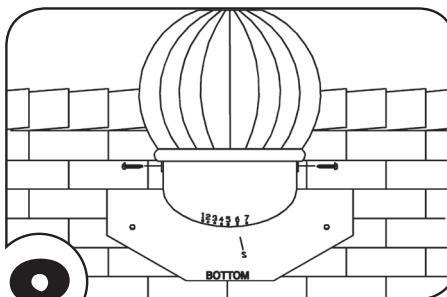
# 6

Place locking clamp across seam and tighten with included screw.



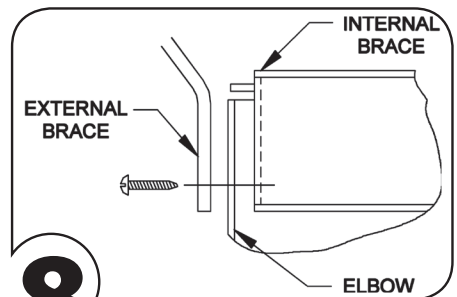
# 7

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.



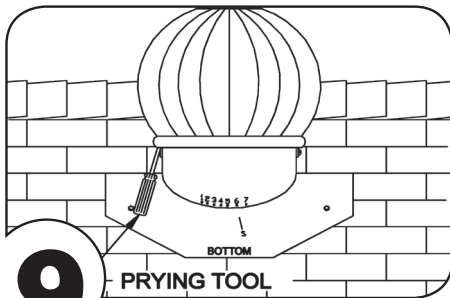
# 8

Position turbine on the base/elbow assembly. Line up the predrilled holes in the brackets and base and fasten with sheet metal screws.



# 8a

If you are installing a GEB-12 be sure to insert screw thru the external brace, elbow and internal brace.



# 9

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

**NOTE: This turbine ventilator can be installed on existing galvanized or aluminum turbine bases of appropriate size.**

### Lifetime Limited Warranty

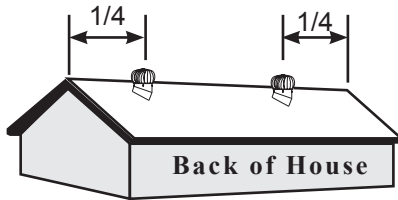
The Lomanco GT-12/GEB-12 turbine is warranted to be free of defects in materials and workmanship under normal use for as long as the consumer purchaser owns the home on which the GT-12/GEB-12 is installed. Any defective merchandise must be returned to the factory, transportation prepaid and if found to be defective, it will be repaired or replaced free of charge, F.O.B. factory. INCIDENTAL/ CONSEQUENTIAL DAMAGES TO PROPERTY RESULTING FROM A BREACH OF ANY WARRANTY MENTIONED HEREIN ARE EXPRESSLY EXCLUDED. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

**WARRANTY APPLIES TO RESIDENTIAL USE ONLY. WARRANTY IS VOID IF USED ON FIREPLACE, CHIMNEY OR STOVEPIPE.**

## How To Locate and Space Galvanized Turbine

**Tools needed:** Putty Knife  
Screwdriver Utility Knife  
Carpenters level Drill  
Key hole saw Hammer  
Or saber saw Ruler

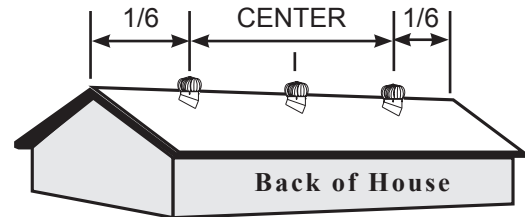
**WARNING:** Sharp edges are exposed during installation. Use gloves and other safety equipment to avoid accidents.



### Proper Spacing With Two Lomanco® Turbine Vents Installed

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

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



### Proper Spacing With Three Lomanco® Turbine Vents Installed

Lomanco® 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 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 Lomanco® 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.

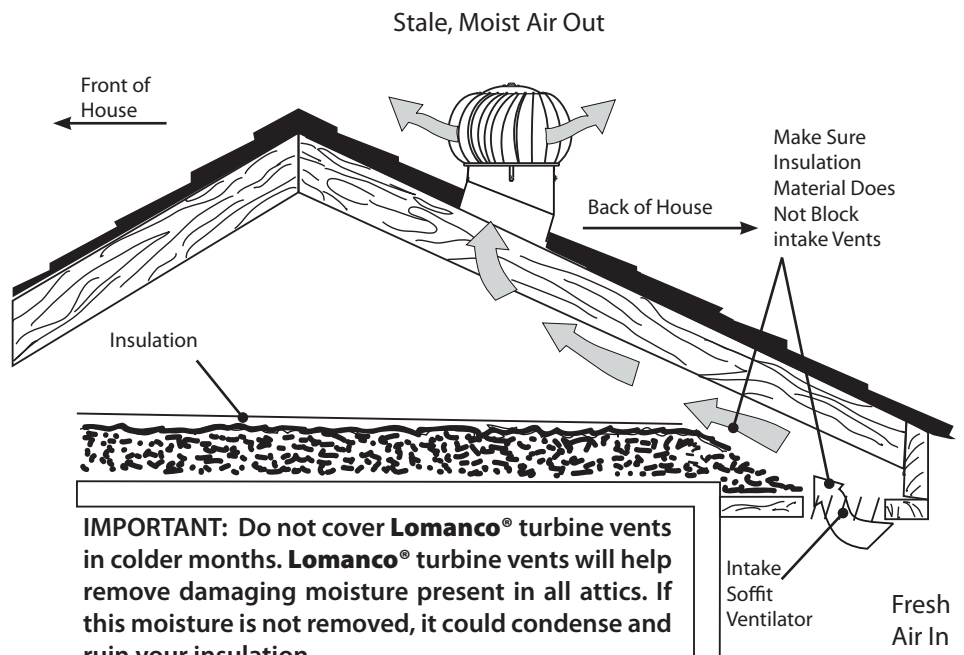
Installation of exhaust vents at more than one level on a roof allows the upper exhaust vent to pull air in from lower exhaust vents rather than from the intake vents. Intake air must come from intake vents located near the lower part of the attic space to properly ventilate the total attic area and 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, the calculators at [lomanco.com](http://lomanco.com), or the Lomanco Vent Selector App to determine the number of vents needed to properly ventilate an attic to meet the minimum code ventilation standard.



**IMPORTANT:** Do not cover Lomanco® turbine vents in colder months. Lomanco® turbine vents 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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