CRV: Aluminum Ridge Vent

FOR ROOFS 3/12 TO 5/12 PITCH

INSTALLATION INSTRUCTIONS

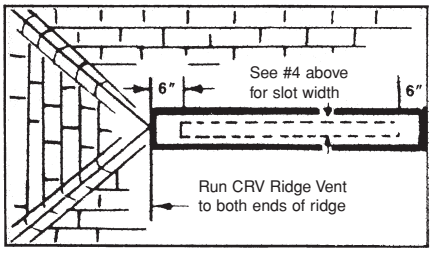
To meet typical residential code requirements, a balanced ventilation system (50% top vent - 50% eave vent) must be installed. When these requirements are adhered to, CRV Ridge Vent will meet or exceed virtually any code requirements and will meet typical roof shingle warranty ventilation requirements.

INSTALLATION HIGHLIGHTS

1) Use 1½″ roofing nails or #8 x 1½″ long aluminum screws to fasten CRV Ridge Vent to roof. Fasten on 12″ or 18″ centers, depending on contour of roof.
2) Seal all gaps and joints with caulk to prevent infiltration.
3) Where architectural design asphalt shingles or uneven patterns are used, the open area between the flange of the vent and the surface of the roof must be sealed to prevent infiltration.
4) CRV Ridge Vent must be supported to the throat by the roofing materials. The slot that the vent sees must be 1½″ minimum (truss construction) to 3″ maximum width (ridge pole construction).
5) Whenever possible, a plumb cut should be used to keep the slot as narrow as possible.
6) To help ensure trouble free operation, an equal amount of soffit venting must be used.
7) Make all existing roof and/or gable end vents inoperable by plugging or blocking to prevent short circuiting.
8) Install connector straps at joints and at each end of the vent run.
9) When installing straps at joints and ends, care must be taken not to distort or crush CRV Ridge Vent.
10) For best appearance, run CRV Ridge Vent to ends of roof.
11) IMPORTANT: Local building codes should be checked prior to installing CRV Ridge Vent in order to ensure compliance. CAUTION: These installation instructions may be subject to modification as a result of local building code requirements in some areas (for example, hurricane areas).

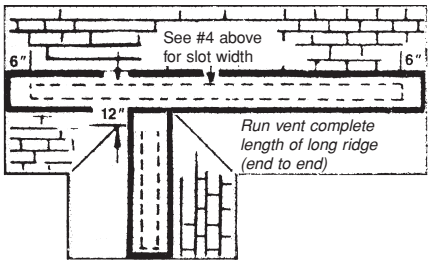
SPECIAL INSTRUCTIONS

Hip Roofs: Conventional Attic
Cut slot either side of ridge centerline and to within 6″ of end wall or hip intersection. Run vent to end of ridge.

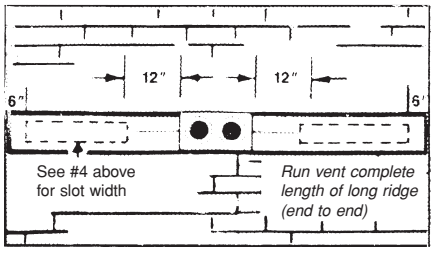


Hip Roofs: Interior vaulted ceilings - see inside

"L" and "T" Shaped Roofs
Cut slot and run CRV Ridge Vent across long ridge. On short ridge, cut slot to within 12″ of junction point and run vent from end of roof to butt against crossing CRV Ridge Vent.



Chimneys
Cut slots to within 12″ of chimney. Run CRV Ridge Vent from end of roof to butt against chimney.



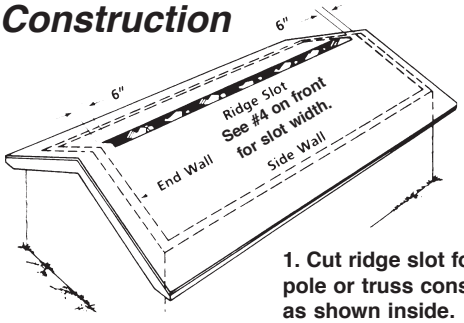
Solid line indicates CRV Ridge Vent

Solid line indicates CRV Ridge Vent

Typical CRV Ridge Vent Installations:

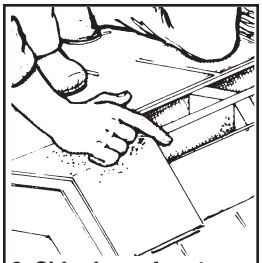
NOTE: Sheath opening must be 1½″ on truss construction, 3″ on ridge pole construction. If slot is wider than specified, cantilever roof materials over slot to fully support the nailing flange up to the throat. This holds the vent firmly in place and prevents leakage at section seams. Felt and shingles are laid up to the slot.

New Construction

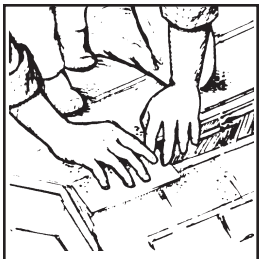


1. Cut ridge slot for ridge pole or truss construction as shown inside.

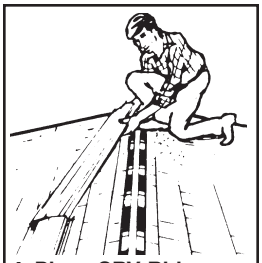
DO NOT EXTEND SLOT INTO OVERHANG OF ROOF.



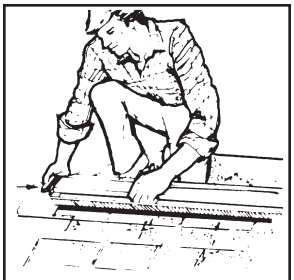
2. Shingle roof up to slot.



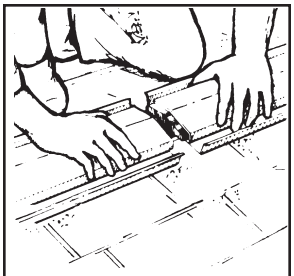
3. Let top course of shingles lay over unslotted portion of ridge (ends) to form one thickness.



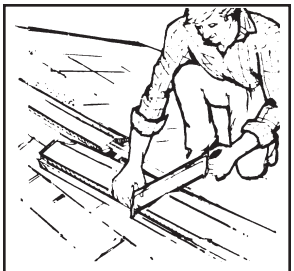
4. Place CRV Ridge Vent over open slot.



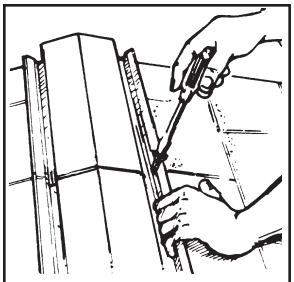
5. Insert end plugs.



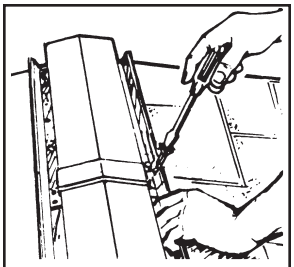
6. Join CRV Ridge Vent sections with connector plugs.



7. Extend CRV Ridge Vent past ends of slot to full length of ridge. Cut final section.



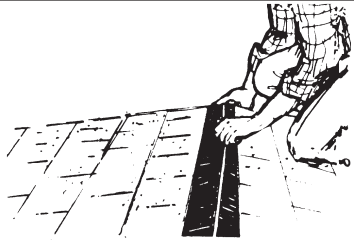
8. Align joined CRV Ridge Vent over slot, fasten in place.



9. Place straps over joints and fasten in place. Use connector straps at each end of vent run.

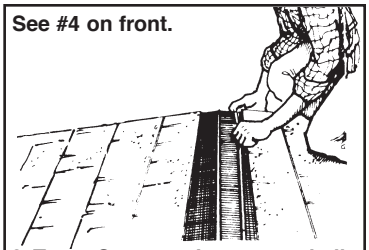
Existing Roofs

1. Carefully remove and discard cap shingles.

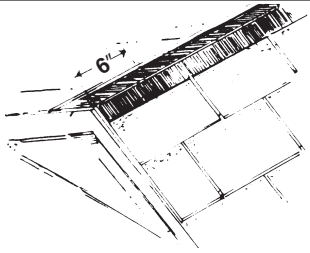


2. Snap chalk line along centerline of peak.

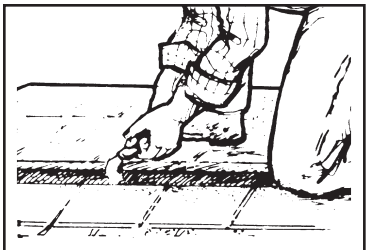
See #4 on front.



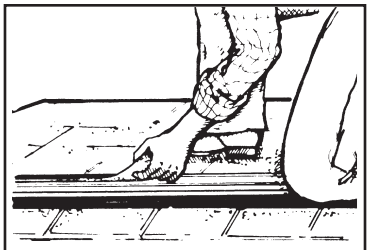
3. Truss Construction: snap chalk line ¾″ on either side of center-line to define width of slot. Ridge Pole Construction: snap chalk line ¾″ on either side of ridge pole for slot width.



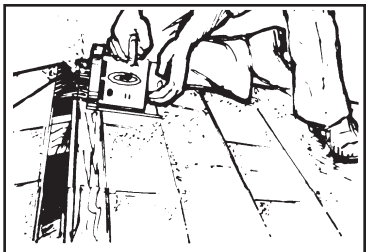
4. Mark end of slot 6″ from inside of end wall. See illustrations for special applications.



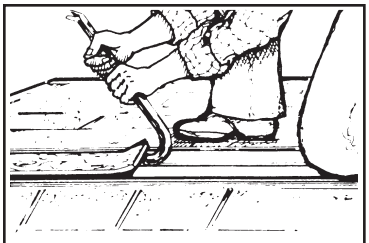
5. Cut through shingles to roof sheathing with utility knife.



6. Strip away cut-out scrap from slot.



7. Use power saw to cut through roof sheathing along chalk lines. Set depth to avoid cutting into rafters. Watch for nails.



8. Remove cut out portions of sheathing. Once slot is cut out, follow Steps 3 through 9 for New Construction.

AIR VENT INC.
A GIBRALTAR INDUSTRIES COMPANY

4117 Pinnacle Point Drive, Suite 400
Dallas, Texas 75211

800-AIR-VENT (247-8368)