

# INSTALLATION INSTRUCTIONS

Non Powered Models: V2092, V2110, V2460  
 12VDC Powered Model: V2094, V2099, V2119, V2193, V2461

**Caution!** For general ventilating use only. Do not use to exhaust hazardous or explosive materials or vapors.  
**Caution!** Do not allow insulation, ceiling finishing materials, roofing materials, or other debris to enter the fan area. Motor failures due to debris are not subject to warranty coverage.

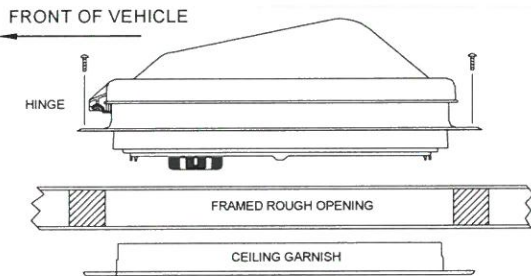
**CAUTION!** This fan unit has not been evaluated for suitability for installation over tub or shower.

**CAUTION!** This fan unit is not intended for direct installation over range cooking surfaces.

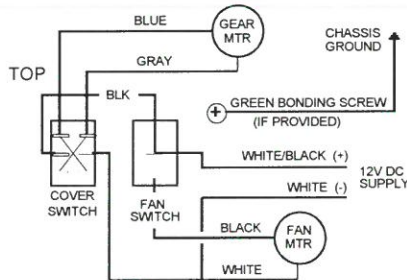
**WARNING:** Not suitable for use with solid state speed controls. **AVERTISSEMENT:** Ne Convient Pas A Des Regulateurs De Vitesse A Semi-Conducteurs

- 1) Locate ceiling joists, mark desired location between joists on ceiling and roof. Cut 14 1/4" square opening through ceiling and roof.
- 2) Place sealant around bottom edge of roof mounting flange. Orient the vent so that the hinge is towards the vehicle front and insert vent into the opening with the screen frame extending through the roof cavity. Mount vent to roof with #8 screws of sufficient length through the mounting holes in the flange.
- 3) On powered vents remove screen frame and wiring compartment cover. Using a suitable strain relief, make all electrical connections in accordance with local and/or applicable codes (see wiring diagrams below).
- 4) For Models V2099, V2119: Make provisions for mounting switches to wall or other stationary barrier. Use minimum 18awg. wire between switches and unit. To accommodate voltage drop on long runs, 16awg. wire may have to be used. It is recommended to fuse the fan and the auto-lift feature separately.
- 5) Place ceiling garnish trim collar portion into groove around the screen frame. Drive #8 screws through the mounting holes and tighten to ceiling. Be careful not to over tighten and distort garnish.

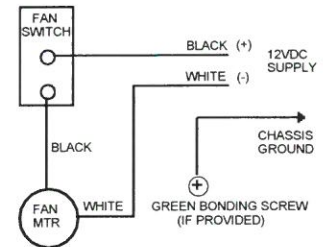
CUT AWAY VIEW OF ROOF INSTALLATION



WIRING DIAGRAM FOR V2119



WIRING DIAGRAM  
V2094, V2099, V2193, V2461



## Read and Save These Instructions!

**Warning!** To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- (a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- (b) Before servicing or cleaning unit, switch power off at the service panel and lock service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

## Care and Cleaning

**Fan Interior:** After disconnecting power, remove the garnish trim, crank handle and screen frame to gain access to the motor and fan blade. Vacuum any accumulated dust and lint from the fan blade, housing interior, and motor. Wipe the fan blade with a moist cloth or sponge to remove any dirt buildup.

**Inlet screen:** Before replacing screen and garnish trim, clean with a solution of warm water and mild detergent applied with a soft cloth or sponge. Do not use gritty or abrasive cleaners.