



"The natural choice for energy savings"

Installation Manual



Model
AFG ES-1500
ATTIC FAN - Gable
(Power Attic Ventilator)

www.quietcoolfan.com

To ensure proper installation, read carefully the entire manual prior to installing the fan

ATTIC FAN - Gable (Power Attic Ventilator)

READ AND SAVE THESE INSTRUCTIONS

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock the 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.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. The wiring must be permanent. **DO NOT USE AN EXTENSION CORD!** Use 14 GA. MINIMUM copper wire. Although the Powered Attic Ventilator may be wired directly to power, we advise that some type of shut off switch be installed in the line. Please see the section on electrical wiring for suggested wiring diagrams and instructions.
6. This unit must be grounded.

CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials or vapors.
2. Fan may equipped with a thermostat which may start fan automatically. To reduce risk of injury or electric shock while servicing and cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.
3. QC Manufacturing, Inc. recommends two-three square feet of open air inlet per fan. Vents for attic side wall installations should be added or installed at opposite end.
4. This ventilator is intended for Gable installation.

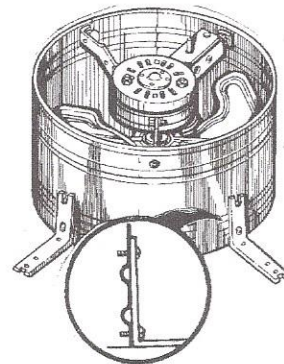
PREPARE THE VENTILATOR

1. Unpack the ventilator and find:

x

- 4 - angle brackets
- 12 - sheet metal screws

2. Fasten the four (4) angle mounting brackets to the housing using the twelve (12) sheet metal screws provided.

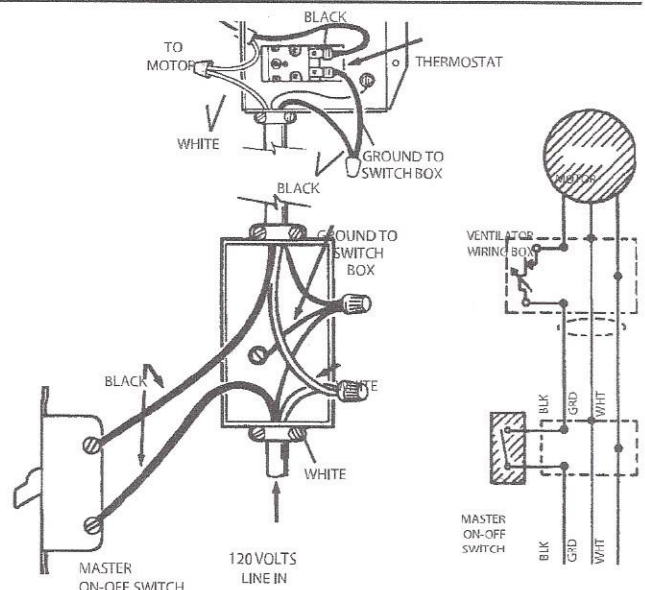


TOOLS & MATERIALS REQUIRED

- Screwdriver (Phillips)
- Tape Measure
- Pencil
- Electrical Supplies (to comply with codes)

WIRE THE VENTILATOR

1. Remove the Junction box cover plate. Bring the power cable at least 6" into the Junction box. Fasten to box with appropriate connector.
2. For standard installation, connect the two leads from the thermostat wiring box to the two power leads (black). Attach ground wire from the power cable to the green screw in the box. If using single pole switch for master cut-off, connect to the two power leads (black) to switch screw terminals. If master cut-off switch is located in another location then connect the two power leads (black) to each other with wirenut and screw cover back on box.



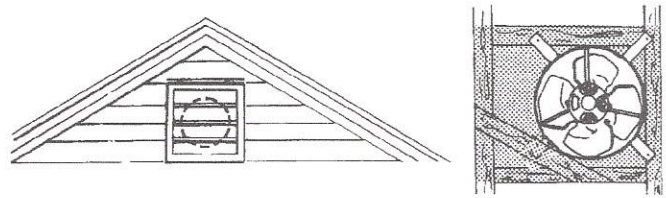
ATTIC FAN - Gable (Power Attic Ventilator) INSTALL THE VENTILATOR

- The ventilator is designed to mount behind existing louvers. Find the type of louver you have in the examples below. If no louver exists, one must be installed. Louver should be mounted in the center of the upper portion of the gable as high as possible. For maximum efficiency, the area of the louver should be greater than the outlet area of the ventilator.

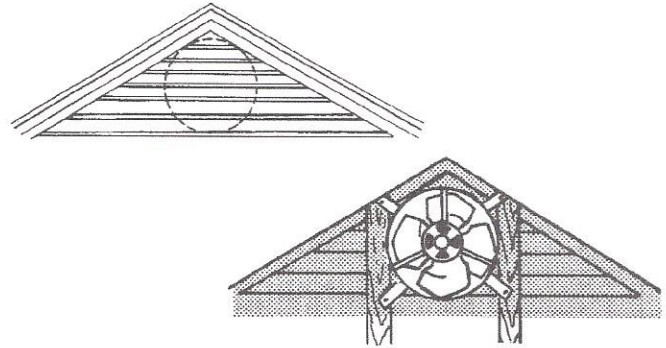
There is some loss in fan output because the louver blocks some of the air flow. Metal louvers have more open area than wood louvers and usually allow more air flow.

When installing the ventilator behind louvers, you should seal off any louver area not covered by the ventilator housing band to prevent air leakage and recirculation. We suggest you mount the ventilator on a piece of plywood for best sealing. Allow at least two square feet of air intake area for each fan.

CAUTION! When installing louvers or shutters, do not remove any existing structural members without providing alternate support members.

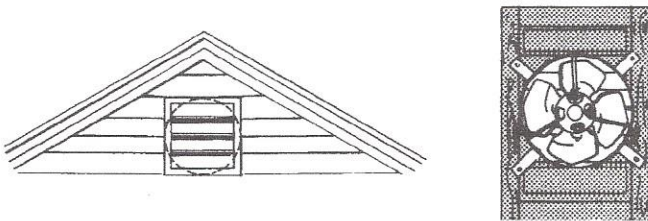


The ventilator can also be mounted off-center in an odd shaped louver.

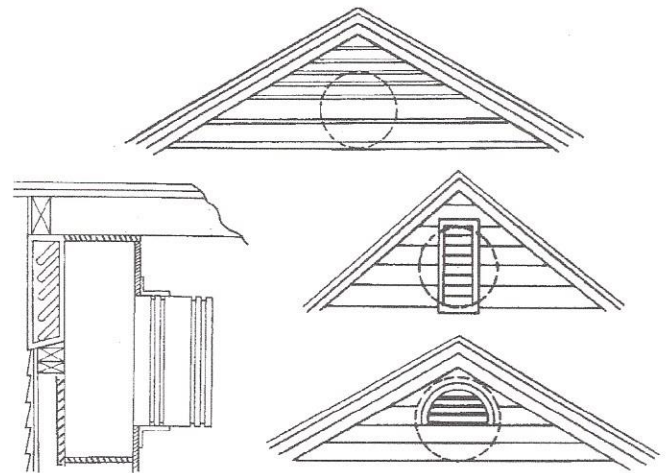


On large triangular louvers, mount to the frame or nail boards to the frame to provide a mounting surface for the ventilator.

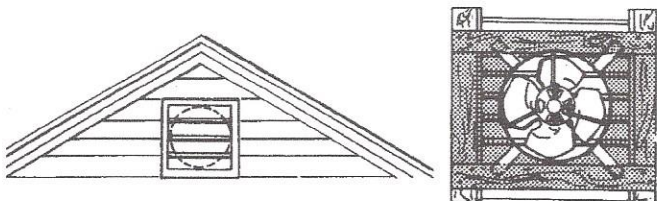
For the most effective installation, enclose the louver area not covered by the fan, with plywood or similar material.



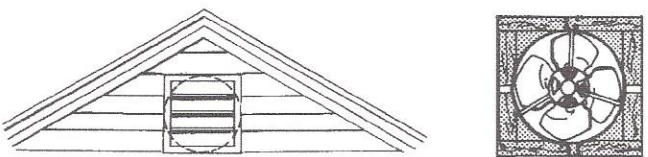
The ventilator can be mounted flush to a rectangular type louver by fastening through the mounting brackets to the frame of the louver.



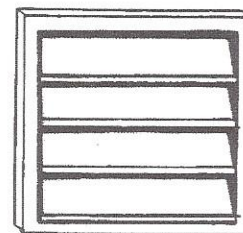
Louvers that are smaller than the ventilator outlet will restrict air delivery. When this condition exists, a chamber should be built to properly direct the air through the louvers. A typical example of the suggested construction is shown.



On a wide louver the brackets can first be fastened to the backside of two boards of the appropriate length and these boards can then be fastened to the frame.



With a narrow louver mounted between studs on 16" centers, two of the brackets can first be mounted to the backside of boards and the boards and other brackets nailed to the studs.



An automatic shutter, may also be installed to provide the necessary outlet for the fan.



10 Year Limited Warranty – QC Attic, Garage, & Roof Fans

QC Manufacturing Inc. extends this warranty to the original purchaser of a QuietCool QC AFG ES-1500, GA ES-1500, GX ES-1100, RM ES-1100 (CRB, FLT, SLP), RM ES-2200 (CRB, FLT, SLP), installed and used in a residence under normal conditions within the United States:

- A. Ten year coverage applies to the QuietCool motor fan assembly. At our option we will repair or replace any part of the assembly should it fail to operate during the first ten years from the date of original purchase.
- B. One year coverage for all other components including grills, housings, controls and accessories furnished by QC Manufacturing Inc. At our option we will repair or replace any part which fails as a result of defective material or workmanship during the first year from the original date of purchase.
- C. This warranty does not cover any of the following:
 1. Incidental or consequential damage resulting from the operation of our equipment or any malfunction thereof.
 2. Cost of service calls to diagnose the cause of problems or the labor charge to un-install any components.
 3. Product failure or damage due to faulty installation, abuse, misuse, unauthorized alteration to factory specs, lack of maintenance, or transportation damage.
 4. Shipping or postage for warranty claims.
- D. To obtain service under this warranty, contact the dealer where you purchased the equipment. If you are unable to find or reach your dealer, contact Customer Service at QC Manufacturing Inc., at the address below.
- E. Please register your product(s) for warranty on line at www.QuietCoolSystems.com or mail this completed form to the address below.

This warranty is the only warranty extended by QC Manufacturing, Inc. to purchasers or suppliers of our equipment. QC Manufacturing Inc. disclaims all other warranties, express or implied, that arise by operation of the law. Some states do not allow the exclusion incidental or consequential damages or limitations on how long an implied warranty lasts so the above limitations or exclusions may not apply to you.

Product & Purchaser Information

QC Serial #

QC Serial #

Your name: _____ Date of Purchase: _____ Dealer Installed or Self Installed

Your Address: _____ City: _____ Zip: _____ Phone: _____ Email: _____

Product Registration: Please register your product on line at www.QuietCoolSystems.com/register.html or mail this form to QC Manufacturing, Inc.,: 30100 Technology Drive, Murrieta, CA 92563. QC Manufacturing, Inc. will NOT accept warranty claims without full product & purchaser information registered within 90 days of retail purchase. Be sure to keep a copy of this warranty form for future reference.

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