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# BROAN 349BR Owner's Manual

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## ROOF-MOUNT POWERED ATTIC VENTILATOR

### READ AND SAVE THESE INST

#### WARNING



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

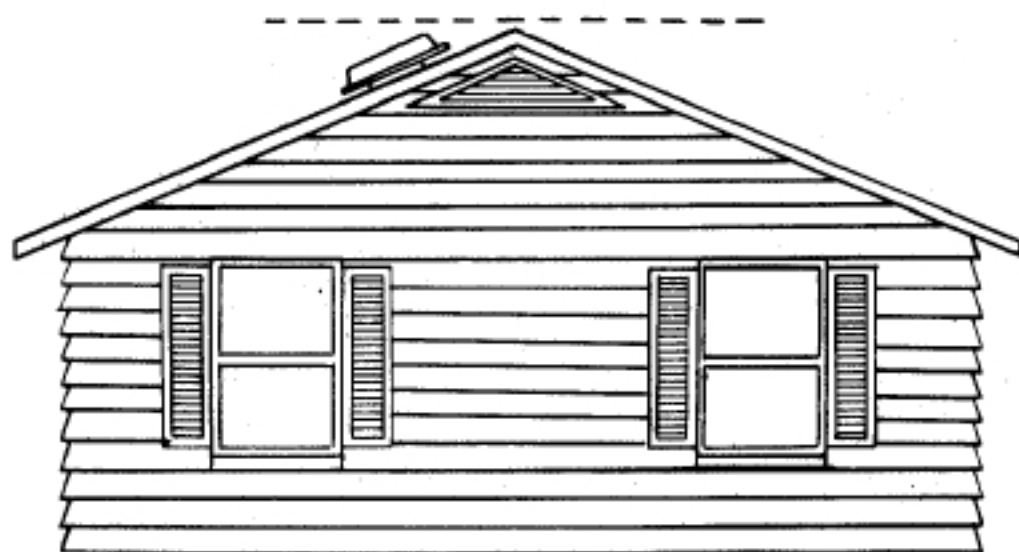
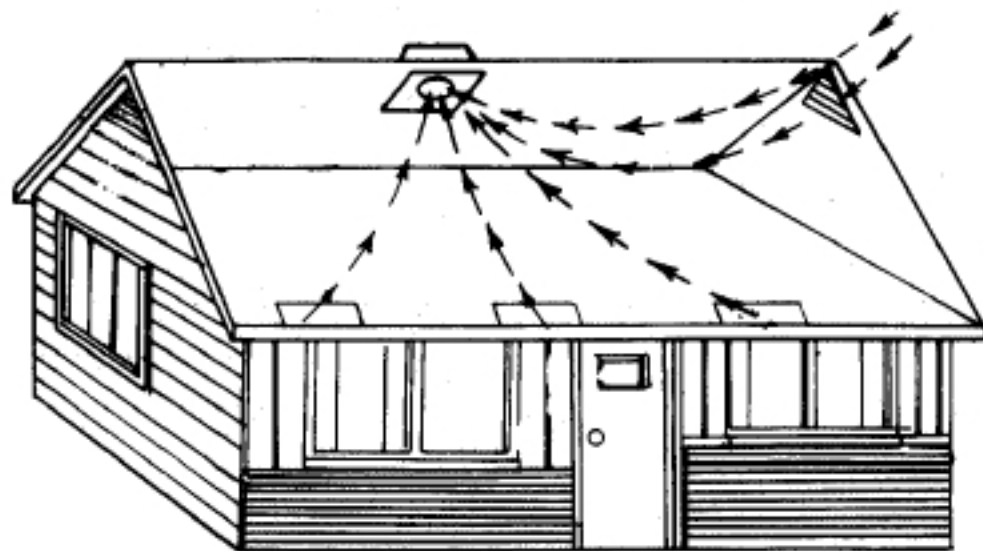
1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power 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. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. 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.
7. To reduce the risk of electric shock, do not use this fan with any solid-state speed control device.
8. This unit must be grounded.

#### CAUTION



1. For general ventilating or explosive materials.
2. To avoid motor bearing impellers, keep drywall unit.
3. This unit has an unguarded fan blade readily accessible to persons.
4. Fan is equipped with automatic reverse. To reduce risk of injury during servicing or cleaning, disconnect power and lock service panel to prevent power from being switched on accidentally. When the service panel cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
5. Home Ventilating Institute (HVI) requires a minimum of open air inlet per 300 sq ft of attic space for these air intake ventilators. Failure to provide adequate air intake for draft gas appliances to the attic.
6. Your attic fan installation should be in an open area of your attic space. During heavy rain, a light spray of rain into the attic space may occur with all attic ventilator installations. We recommend that you seal the articles directly under the fan to prevent rain and wind storms from blowing into the attic to prevent excess moisture.
7. Records show, under ideal conditions, the fan can remain rust free. The fan should be stored in areas of unusually high humidity. See the manufacturer's instructions for more information.
8. This ventilator is intended for use with the 353 Gable Mount Ventilator.
9. The dome may be painted with a high quality paint manufacturer's instructions.

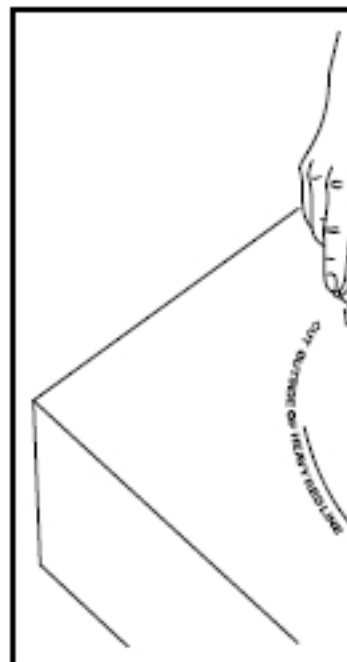
## INSTALLATION



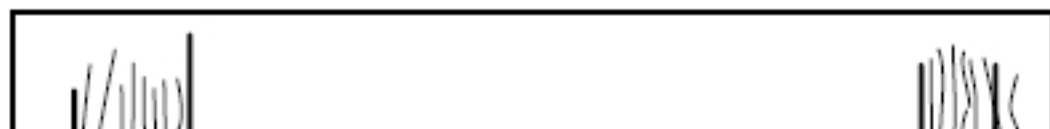
1. Locate the ventilator at the center of the rear slope of the roof. Place it as high on the roof as possible. The location should be free of obstacles (T.V. leads, electrical lines, etc.). If the ventilator top is level with the roof peak, it can't be seen from the street. Keep this approximate location in mind as you work from within the attic.

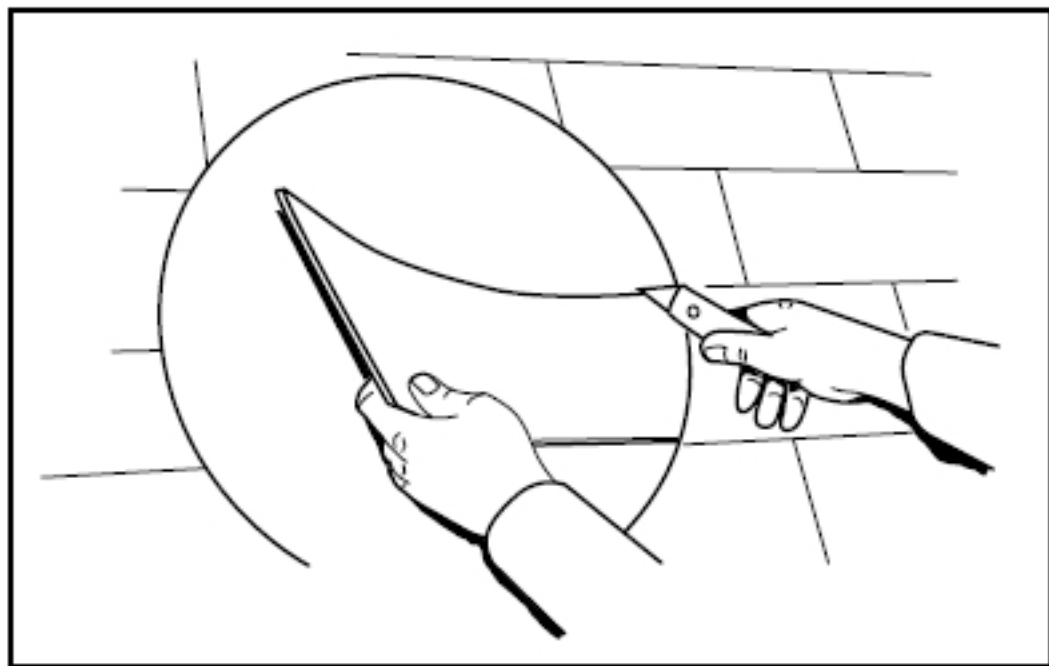


3. Drill a guide hole

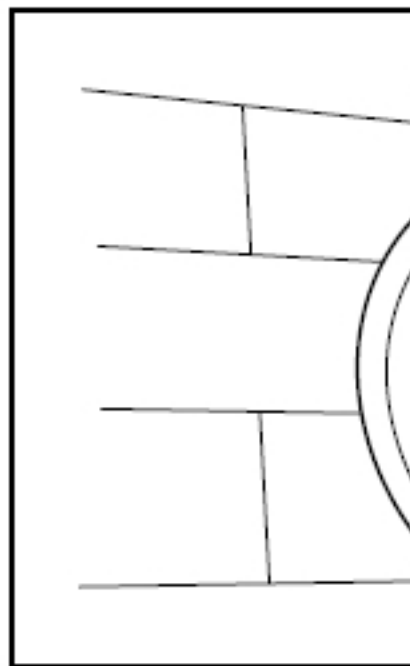


4. Cut out the tem

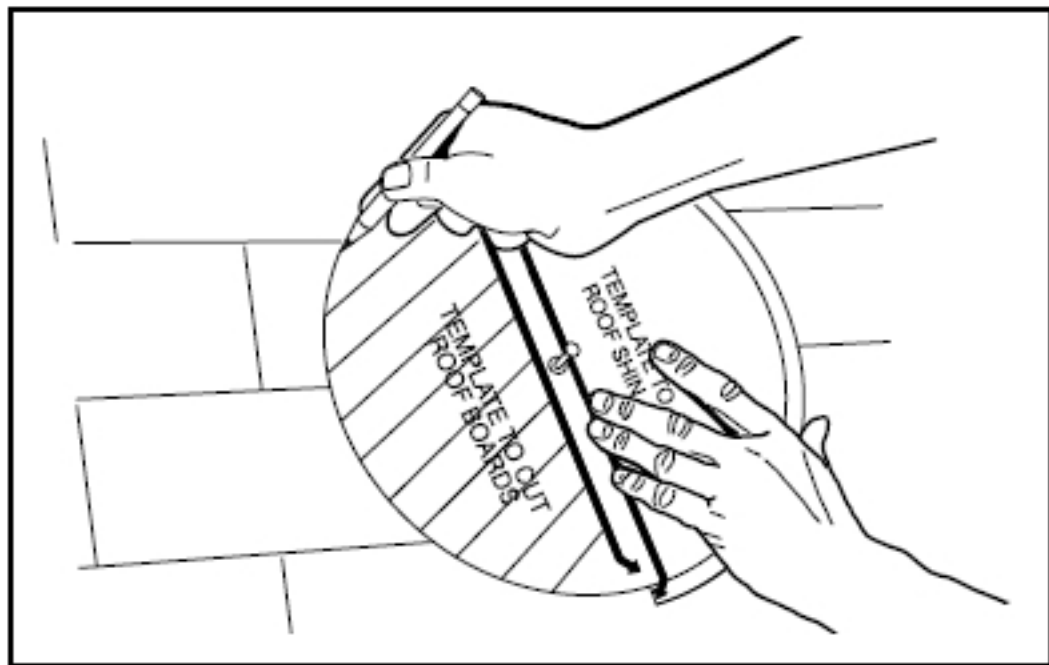




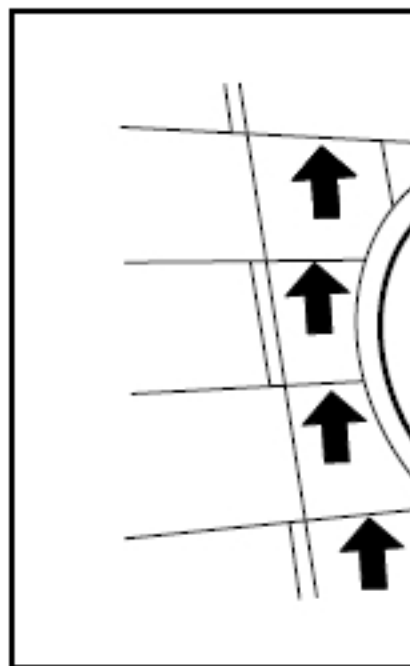
6. Cut out the shingles inside of the circle.



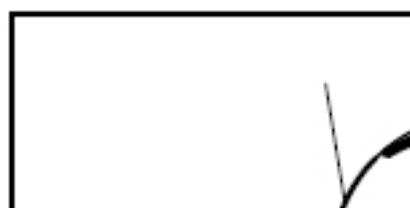
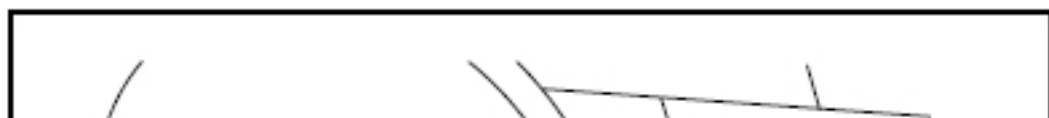
9. Cut out the roof board  
rafters.

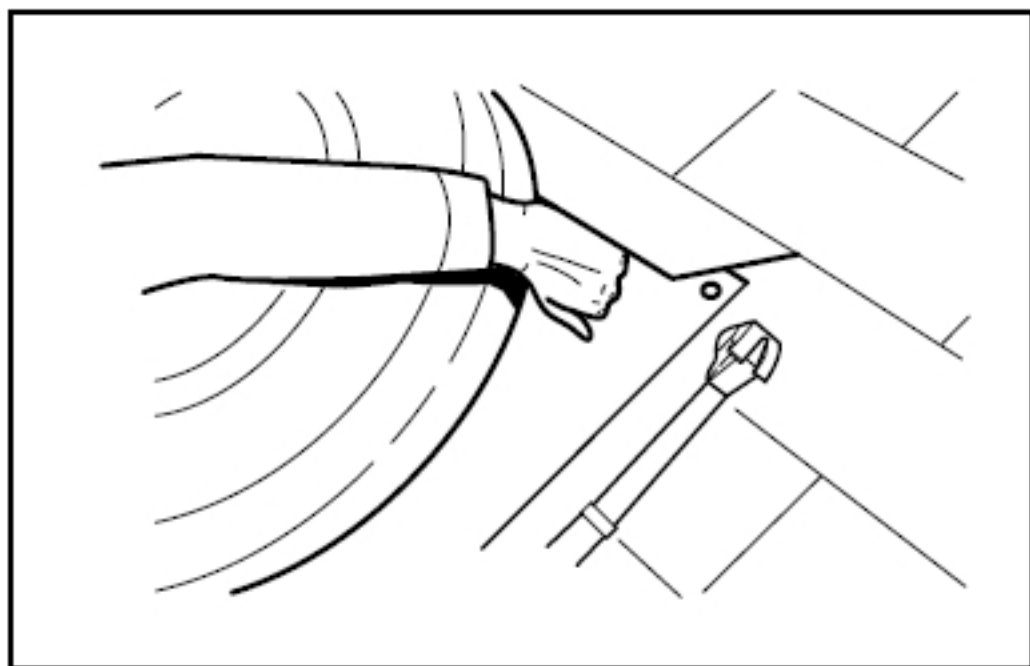


7. Replace template over guide hole and draw a 14 7/8" diameter circle on the black paper or roof boards using the smaller half of the template.

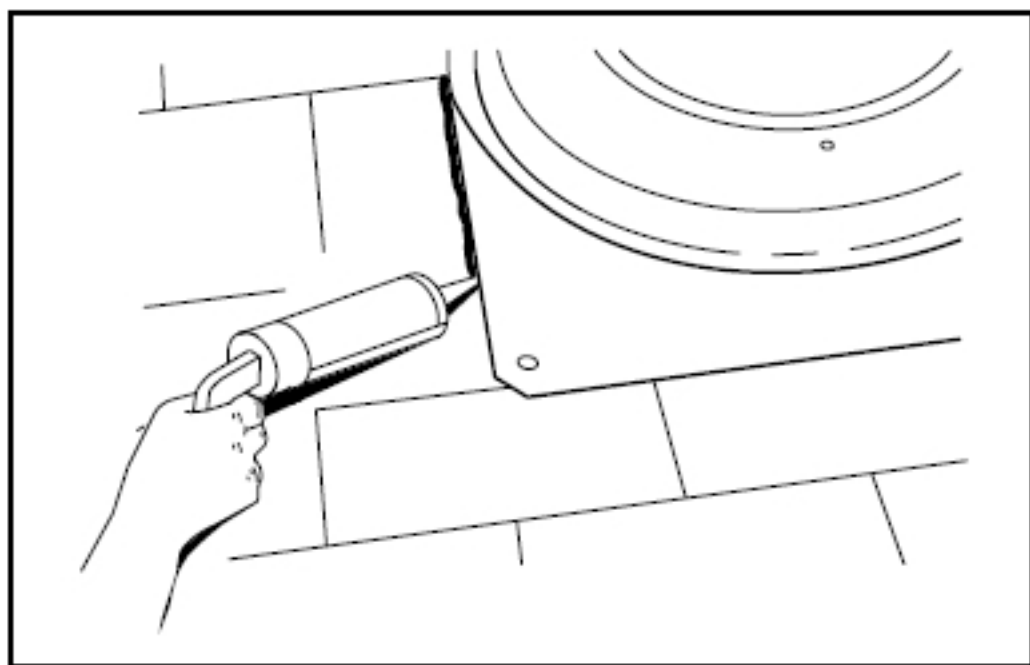


10. For proper removal  
centered around the  
down from top two





12. Carefully lift shingles and nail flashing securely to the roof using galvanized roofing nails.



13. Using a good grade of roofing cement material, seal all of the shingles and heads of nails.

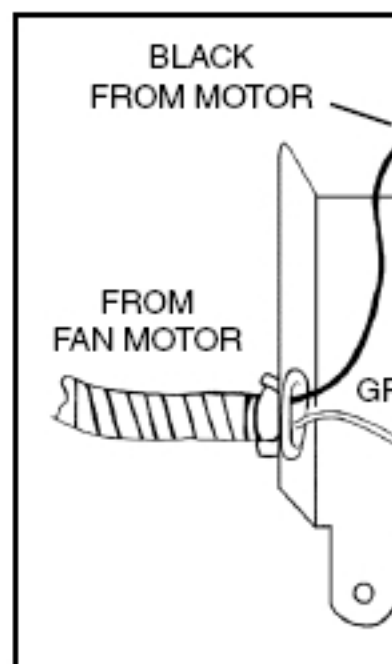
DO NOT seal the bottom edge of the flashing.

## WIRING

**IMPORTANT:** Do not

1. Mount the outlet box if the outlet box is higher than

**CAUTION:** Make sure



grounded and all wiring must meet code requirements.

2. Remove the thermostat and install a 120 VAC, 14-gauge thermostat wire at least 6" into the thermostat box with appropriate insulation.
3. An on/off switch can be installed in the living area of the fan. It should be turned off when not in use.

## ADJUSTING

FAN ON

## SERVICE PARTS

KEY NO.	PART NO.	DESCRIPTION
1	0705B-000	Cover
2	0706B-000	Motor
3	0707B-000	Blade
4	0708B-000	Conduit
5	0709B-000	Motor Mounting Bracket (3 req.)
6	0710B-000	Bird Screen
7	0711B-000	Outlet Box Thermostat Assembly



## WARRANTY

### One Year Limited Warranty

**WARRANTY OWNER:** Broan-NuTone warrants to the original consumer purchaser of its products that such products will be free from defects in materials or workmanship for a period of one (1) year from the date of original purchase. **THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**During this one year period,** Broan-NuTone will, at its option, repair or replace, without charge, any product or part which is found to be defective under normal use and service. **THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS OR TUBES, FILTERS, DUCT, ROOF CAPS, WALL CAPS AND OTHER ACCESSORIES FOR DUCTING.** This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by Broan-NuTone), faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the one year period as specified for the express warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

