

KITCHEN RANGE HOOD FOR 120 V. OPERATION

VENTED and CONVERTIBLE

Rangaire

KITCHEN
RANGE HOOD
MODEL
H728-421
CONVERTIBLE

INSTALLATION INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

Before you begin, read the following instructions completely and carefully. If followed, they will simplify the installation job.

IMPORTANT: OBSERVE ALL GOVERNING CODES AND ORDINANCES.

SAVE THESE INSTRUCTIONS FOR THE LOCAL ELECTRICAL INSPECTOR'S USE

Your range hood has been designed to filter out smoke, odors and grease which rise from the cooking surface. Before you begin the installation be sure that all parts and accessories are removed from carton. For best results and ease in the installation of this range hood, read the instruction sheet to become familiar with the step by step installation.

YOUR HOOD CAN BE INSTALLED VENTLESS WHERE AIR IS CIRCULATED BACK INTO THE ROOM THROUGH THE FILTER OR VENTED WHERE AIR IS TAKEN OUT OF YOUR KITCHEN.

For most efficient operation, the top of the hood should be approximately 66 inches (167.6 cm) from the floor. See Page 2 for examples of typical ductwork installations. Choose the best method for your installation.

TOOLS REQUIRED:

- Drill, electric or ratchet drive, with 1 1/4" wood bit (to drill an access hole in the cabinet or kitchen wall for the electric power line).
- One common head screwdriver (to secure hood mounting screws to the cabinet and hood sheet metal parts.)
- Pliers (for opening knockouts).
- Pencil, ruler and level for marking cabinet locations.
- Saber saw or keyhole saw for cutting the wall or cabinet openings.
- Caulking, metal snips, duct tape, ducts (with elbow and transition, if necessary) and wall cap or roof caps, as required.

FRONT VENT

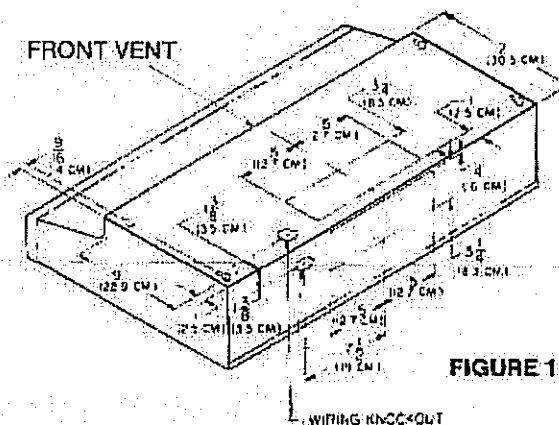


FIGURE 1

VENTING REQUIREMENTS

Ductwork needed for installation is not included.

Determine which venting method is to be used. The vertical or horizontal 3 1/4 x 10 inch discharges (as well as ventless) methods are available.

The length of ductwork and number of elbows should be kept to a minimum for efficient operation.

See Figures 2 and 3 for the horizontal and vertical applications.

Use caulking to seal exterior openings around the hood.

NOTE: The venting system should terminate to the outside.



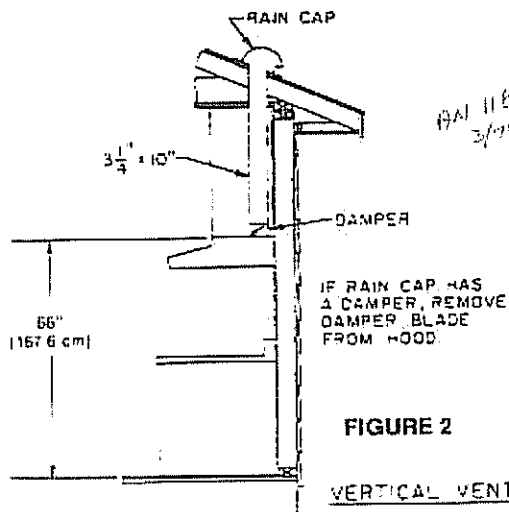


FIGURE 2

VERTICAL VENTING

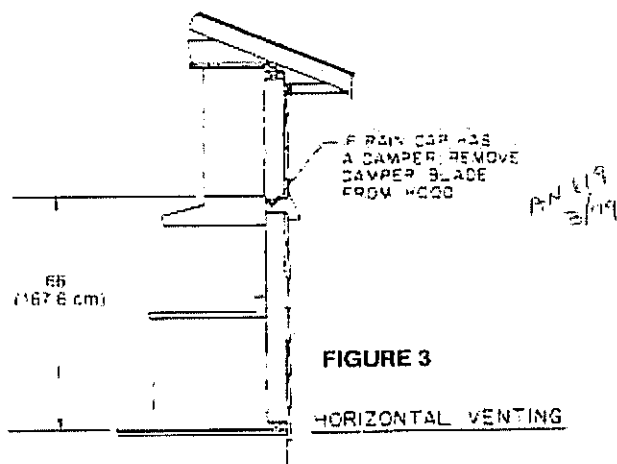


FIGURE 3

HORIZONTAL VENTING

VENTLESS INSTALLATION

To convert your range hood to ventless:

Follow the instructions under "Vented Installation" for wiring and mounting. Omit the ductwork preparation.

Install 356 Kit - Charcoal Filter Pads (replaceable).

NOTE: Be sure the airflow is directed toward vent in front for ductless application.

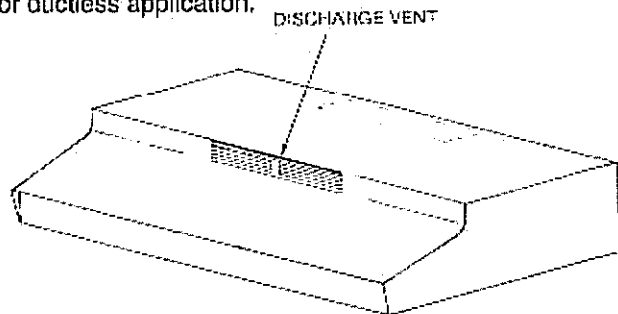


FIGURE 4

INSTALLATION

NOTE: The blower assembly and filters can be removed for easier installation. See the illustrations on page 3 and 4.

1. Mark the locations on the cabinet or wall for the ventilating duct and electrical wiring. (Figure 1)

2. Cut holes at marked locations to accommodate ventilating duct and wiring. Allow 3/4" (1.9 cm) extra on ventilating opening toward the front of the cabinet directly above the hood. Be sure to minimize openings through outside walls or the ceiling. These will have to be sealed later.

3. Run wire through wall or cabinets according to the National Electrical Code and applicable local codes.

NOTE: DO NOT turn power on until installation is complete.

4. Lift the hood into position and mark the hole locations on the cabinet for each of the four keyhole slots.

5. Remove the hood and start all four screws in the center of the narrow neck of the keyhole slot marked on the cabinet bottom. (Figure 5)

6. Remove the junction box cover held in with screw and the appropriate wiring and ventilating knockouts. (Fig. 10)

7. Attach the enclosed damper to the hood. There are pre-drilled holes on each side of the exhaust hole for damper attachment. Use the small sheet metal screws included (#8x1/4). (Fig. 1).

8. Install the ductwork.

9. Lift the hood into position simultaneously feeding the house wiring through the wiring knockout.

10. Tighten the four mounting screws to secure the unit to the cabinet. Be sure the screw heads are in the narrow neck of the keyhole slot.

11. Complete electrical wiring in the junction box according to the National Electrical Code and applicable codes.

NOTE: This unit must be permanently grounded.

12. Replace the junction box cover.

13. Replace the blower housing and filters. IMPORTANT: Be sure that the blower is correctly orientated. Note the arrow on the side of the blower housing indicating the correct air flow direction.

14. Vented installation is complete.

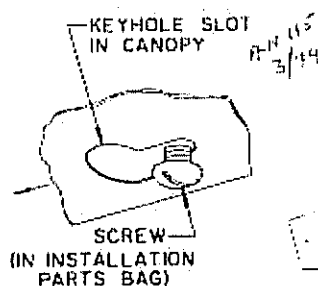


FIGURE 5

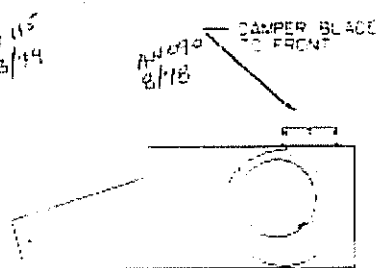


FIGURE 6

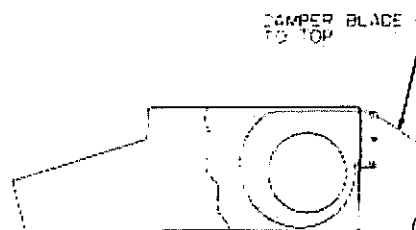


FIGURE 7

WARNING

If you have any questions, contact the manufacturer. Before installation and before servicing or cleaning unit, switch off power at service panel and lock service panel to prevent power from being switched on accidentally.

Installation work and electrical wiring must be done by Qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities. Ducted fans must always be vented to the outdoors.

WARNING

To reduce the risk of fire, use only metal ductwork.

WARNING

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE: Keep fan, filters and grease laden surfaces clean. Always turn hood ON when cooking at high heat. Use high range setting on range only when necessary. Heat oil slowly on low to medium setting. Don't leave range unattended when cooking. Always use cookware and utensils appropriate for the type and amount of food being prepared.

WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING: SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately EVACUATE AND CALL THE FIRE DEPARTMENT. NEVER PICK UP A FLAMING PAN -- you may be burned. DO NOT USE WATER, including wet dishcloths or towels -- a violent steam explosion will result. Use an extinguisher ONLY if: 1) You know you have a class ABC extinguisher, and you already know how to operate it. 2) The fire is small and contained in the area where it started. 3) The fire department is being called. 4) You can fight the fire with your back to an exit.

CAUTION

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

RANGE HOOD BLOWER ORIENTATION

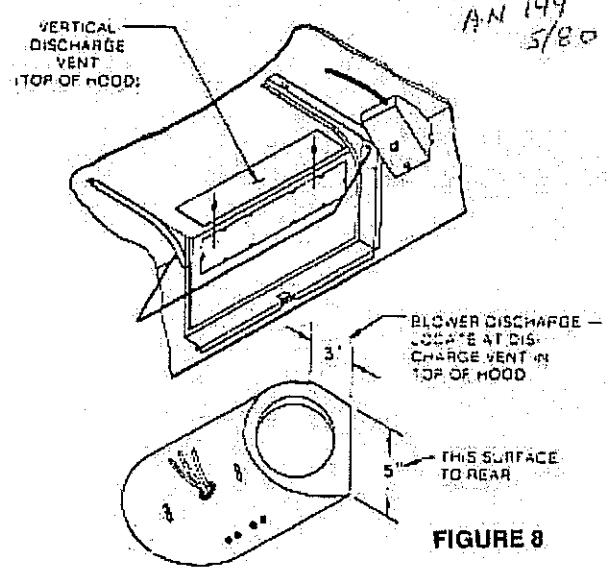


FIGURE 8

VERTICAL DISCHARGE:

1. From the blower position shown in Figure 8, lift the blower assembly vertically into mounting position.
2. The 3" blower discharge surface should now be flush against top of hood. This will allow proper air flow from the blower through the top vent. (The wider 5" surface will be to the rear).

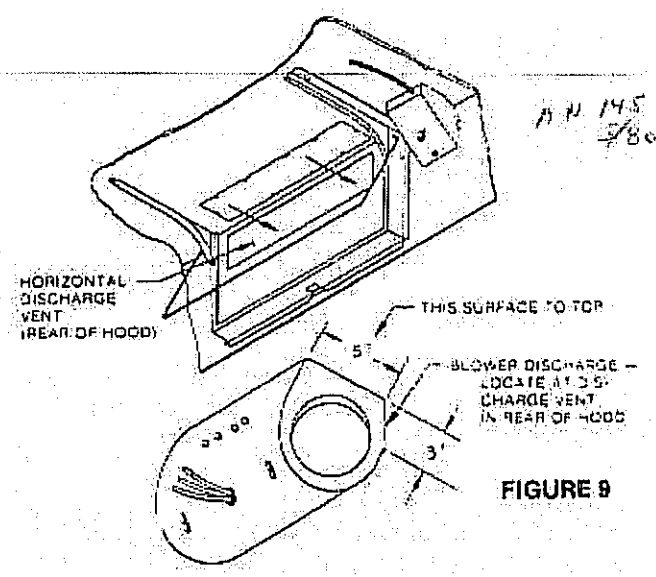


FIGURE 9

HORIZONTAL DISCHARGE:

1. From the blower position shown in Figure 9, lift the blower assembly vertically into position.
2. The 3" blower discharge surface should now be flush against rear of hood. This will allow proper air flow from the blower through the rear vent. (The wider 5" surface will be to the top.)

NOTE: Before reinstalling the blower assembly, check the damper for free operation. Open the damper blade 90°. Check for any restriction in the duct. Correct blower orientation is imperative. Incorrect installation will cause blower to run at maximum RPM regardless of motor speed control setting.

OPERATION AND CARE OF UNIT

ALUMINUM FILTER:

For greatest efficiency, the permanent type aluminum filter should be removed and cleaned periodically. To clean, the filter should be soaked in hot water and detergent, and thoroughly rinsed. The aluminum filter can be cleaned in a dishwasher.

COMBINATION FILTER PADS:

This filter should be inspected periodically and when it becomes saturated, it should be replaced. There are no effective means of reactivating this filter. Reorder 356 kit.

LIGHTS:

Do not use bulbs larger than 75 watts. There are two light levels. The low level can be used for a night light.

CARE OF EXTERIOR SURFACES:

Your range hood is a beautifully finished addition to your kitchen and requires only the care you give your range to preserve its lasting beauty. Clean with a mild detergent to preserve finish. DO NOT use abrasive cleaners.

CARE OF FAN MOTOR:

Fan motor has lifetime sealed bearings that never need oiling under normal usage.

For most effective removal of smoke and odors, turn on fan at beginning of cooking operation and allow to run until smoke and odors are removed from room.

ORDER REPLACEMENT PARTS FROM:

RANGAIRE & COMPANY
ATTN: PARTS DEPT.
P.O. BOX 177
CLEBURNE, TX 76033-0177
(817) 556-6500

REPLACEMENT PARTS LIST

Part No.	Description
561099	Light Switch, 3 Pos., Rotary
567046	Motor Speed Control
520099	Motor
531012	Blower Wheel, CCW
531013	Blower Wheel, CW
607652	Light Lens Glass
566091	Dual Lampholder
610053	Aluminum Filter 30"
610054	Aluminum Filter 36"
356 Kit	Replaceable Filter Pads
730080	COMPLETE BLOWER ASSEMBLY

KITCHEN VENTILATING EQUIPMENT

Limited Warranty

Please read this warranty carefully. This warranty gives you specific rights, and you may also have other rights that vary from state to state.

RANGAIRE RESPONSIBILITY:

Parts: For a period of one (1) year after date of original purchase, Rangaire will provide at no charge replacement parts for any parts of your kitchen ventilating equipment (other than consumable parts) which are defective in material or workmanship. The replacement parts are warranted for the remaining portion of the original warranty period.

Labor: Rangaire is not responsible for labor costs incidental to the replacement of defective parts.

OWNERS RESPONSIBILITY:

Your warranty begins on the date of original purchase. In order to establish the date of original purchase keep the dated bill of sale, cancelled check, or other evidence of the original purchase date.

EXCLUSIONS:

This warranty does not cover consumable parts such as charcoal filters and light bulbs. This warranty does not apply if this product has been subjected to faulty installation, misuse, abuse or neglect. This warranty excludes any consequential expense or damage resulting from any use or malfunction of the product. All implied warranties are limited to the duration of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations are exclusions may not apply to you.

SERVICE:

Contact the distributor or dealer from whom you purchased this product for replacement parts covered by this warranty and he will obtain them for you free of charge. If your distributor or dealer is unable to provide you with replacement parts covered by this warranty, please contact:

Service Manager
RANGAIRE COMPANY
P.O. Box 177
Cleburne, Texas 76033-0177