

BLAZE KING, Royal Guardian, Model RGT-3001
OWNER'S INSTALLATION AND OPERATIONS MANUAL

SAFETY NOTICE

IF THE BLAZE KING, Royal Guardian, Model RGT-3001, STOVE IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESULT. FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS. CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.

THIS STOVE MUST BE CONNECTED TO A LISTED HIGH TEMPERATURE RESIDENTIAL TYPE AND BUILDING HEATING APPLIANCE CHIMNEY OR AN APPROVED MASONRY CHIMNEY WITH FLUE LINER.

IMPROPER ASSEMBLY, INSTALLATION, MAINTENANCE OR OPERATION OF THIS APPLIANCE CAN CAUSE DAMAGE TO PROPERTY, SERIOUS INJURY OR DEATH. READ THESE INSTRUCTIONS.

This unit certified by the United States Environmental Protection Agency, certificate number 168. Certified to comply with July, 1990 particulate emissions standards.

SAVE THESE INSTRUCTIONS

OM-04C

BLAZE KING INDUSTRIES
P.O. BOX 367
College Place, WA 99324

Dear Customer:

Thank you for purchasing the Blaze King, Royal Guardian, Model RGT-3001, Woodburning Stove (hereafter referred to as "stove"). The Royal Guardian's contemporary elegance, complementary trim and decorator colors make it the first choice for improving your life style and enhancing the decor of your home.

This owner's manual explains the steps required to safely assemble, install, operate, and maintain your new stove. Be a responsible stove owner; carefully read these requirements for safe installation and proper operation BEFORE installing and using your stove.

Obtain permits from the Building Inspector or Fire Department, if local laws require. Check local building and fire codes before installing your stove. When you have completed the installation, have it checked by your local inspector. Disregarding inspection and code requirements may jeopardize your homeowner's insurance. Since some insurance carriers require notification of a stove installation, contact your insurance agent. We want your Royal Guardian to give you a lifetime of trouble-free operation.

While we have made every effort to make these instructions as complete as possible, some installation or operating conditions may not be covered. If you have any questions that are not answered here, contact your BLAZE KING dealer, Local Building Inspector, Fire Department, or our customer service department at BKI, INC. P.O. BOX 367, College Place, WA 99324 (509) 522-2730.

The Management and Employees of
BLAZE KING

KEEP THIS MANUAL FOR FUTURE REFERENCE.

***** Section 2 WARRANTY *****

Blaze King offers a five-year limited stove warranty. A copy of this warranty is packaged with the stove.

To register your warranty, fill out and return the warranty registration card included with this stove. You will find the model number and serial number on the tag on the back of the stove. If the warranty card is missing, you may obtain one from your local dealer.

***** DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY *****

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THOSE SPECIFICALLY SET OUT BY THE "BLAZE KING LIMITED WARRANTY". THE WARRANTY STATES THE ENTIRE OBLIGATION OF THE MANUFACTURER AND SELLER. THE CONTENTS OF THIS INSTALLATION AND OPERATIONS MANUAL SHALL NOT BECOME PART OF, OR MODIFY, THE WARRANTY.

The information, recommendations, descriptions and safety notations in this document are based on Blaze King Industry judgement and experience regarding woodstoves. THIS INFORMATION SHOULD NOT BE CONSIDERED TO BE ALL-INCLUSIVE OR COVERING ALL CONTINGENCIES. In no event will Blaze King Industry be responsible to the user in contract, in tort (including negligence), strict liability or otherwise for any special, indirect, incidental or consequential damage or loss whatsoever resulting from the use of the information, recommendations, descriptions and safety notations contained herein. If further information is required, consult your local building or fire officials, your Blaze King dealer or Blaze King Industry.

OTHER LEGAL RIGHTS OF THE PURCHASER. The warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. If you do not agree to the purchase of the woodstove on the terms and conditions set out in the warranty, then you must return the woodstove to the dealer prior to use or installation, and the purchase price will be refunded.

FAN SPEED CONTROL

Located on the Fan Assembly, controls the fan speed.

FIREBOX

Steel, lined with firebrick. The recommended length log that should be used in this firebox is 16".

FLOOR PROTECTOR

Noncombustible surfacing applied to the floor area underneath and extending in front, to the sides and to the rear of a heat producing appliance.

FLOOR PROTECTION MATERIAL

For the RGT-3001, any non-combustible material or a Listed floor protector.

FLUE

The general term for a passage through which flue gasses pass from the combustion chamber to the outside air.

HEARTH

The floor area within the fire chamber of a fireplace or fireplace stove. The bottom of the firebox. Build the fire directly on the Hearth.

MOBILE HOME

A residence mounted on wheels, or capable of having wheels installed for moving to another location. Typically, a residence with a steel frame supporting the structure and providing an axle(s) for the installation of wheels to move it into the location and out again. Frequently referred to as 'Manufactured Homes' to differentiate between travel trailers and more permanent residences.

THIMBLE

A manufactured or site-constructed (brick) device installed in combustible walls. It is intended to keep walls from igniting.

***** SECTION 4 - SAFETY *****

CHIMNEY FIRE

In the event of a fire in the chimney:

- a. Adjust the thermostat to its lowest setting.
- b. Check the Loading Door to be sure it is tightly closed.
- c. Get everyone out of the house.
- d. Call the Fire Department immediately.

After the fire is out, have your chimney inspected by a Building Inspector or certified chimney sweep. Any damaged chimney components should be replaced before the stove is used again. A masonry chimney that is damaged should be repaired or rebuilt.

Contact your Fire Department for further advice. Your family should have a prearranged plan so that each person will know what to do and will act immediately if such an emergency arises.

SMOKE DETECTORS

Install at least one smoke detector on each floor of your home to ensure your safety. It should be located away from the woodstove and close to the sleeping areas. Locating a smoke detector too close to a woodstove can cause the smoke detector alarm to sound if a puff of smoke is emitted while the woodstove door is open during reloading. Follow the smoke detector manufacturers placement, installation, and maintenance instructions. Your local Fire Department may provide assistance in selecting smoke detectors, or contact the Consumer Product Safety Commission, Washington, D.C. 20207.

FIRE EXTINGUISHERS

Every home should have at least one fire extinguisher. An approved "Class A-B-C" extinguisher should be mounted on the wall, near an exit and close to the stove -- but not so close that accessibility to the extinguisher could be blocked by a fire. Your local fire department can advise you concerning the most appropriate location.

BUILDING AND FIRE CODES, PERMITS, AND INSPECTIONS

The installation of this woodstove must comply with your local building and fire codes. Always contact your local Building Inspector and/or Fire Department before beginning the installation process. If required, obtain a permit before installation and have the completed installation inspected. Remember that noncompliance with building and/or fire codes may jeopardize your homeowner's insurance.

CHILDREN

Do not allow children to play near the stove or with the operating knobs. Severe burns may be inflicted by touching some of the parts of the stove and by opening the loading door. Train children to stay away from the stove and never leave children unattended in the room when the stove is in operation.

CLEARANCES TO COMBUSTIBLE MATERIALS

For a safe installation, proper clearances to combustible materials must be observed (see page 28). Failure to follow these guidelines voids the certification and warranty, is illegal, and can result in a fire causing property damage, injury, or death.

Keep combustible (burnable) materials at least as far away from the woodstove as the table on page 28 indicates. Combustible materials include items such as plasterboard or wood-paneled walls, furniture, wooden mantels, bookshelves, carpets and drapes. Firewood should not be stored within the specified clearances.

AVOID FIRE

Maintain the designated clearance distance to combustibles. Insulation must not touch the chimney. There must be the designated air space clearance around the chimney. This air space around a chimney is necessary to allow natural heat removal from the area. Insulation in this space will cause a heat buildup which may ignite wood framing.

FUEL

THIS WOODSTOVE IS FOR THE USE WITH SOLID WOOD FUEL ONLY.

NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS HEATER. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IT IS IN USE.

Do not burn materials soaked in flammable liquids, trash, garbage, plastics, gift wrappings, coal, charcoal, naphtha, engine oil, chemical cleaners, chemical fire starters, treated or painted wood, saltwater drift wood, railroad ties, plywood, particle board. Do not burn sawdust, wood shavings or chips in this woodstove.

When selecting wood for the Model RGT-3001, it is preferable that you use seasoned wood. Dry, seasoned wood will burn cleaner and produce less creosote. Dry or small pieces of fuel will provide a hotter fire. Larger pieces can be used to provide a longer burn time.

The wood for the Model RGT-3001 should be cut to lengths that are not more than 16" long.

CAUTION: Do not place wood fuel within the space heater installation clearances or within the space required for wood loading and ash removal.

DISPOSAL OF ASHES

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

Do not store other waste in the ash container.

Ashes should never be placed in wooden or plastic containers, or in paper or plastic bags, no matter how long the fire has been out. Coals have been known to stay hot for several days when embedded in ashes.

WARNING

REMOVE ASHES ONLY WHEN THEY ARE COLD. NEVER STORE HOT ASHES IN A GARAGE OR BASEMENT. HOT ASHES WILL GENERATE CARBON MONOXIDE AND/OR FLAMMABLE GASES. THESE GASES MAY CAUSE SUFFOCATION.

CHIMNEYS

See "Definitions", Sect. 3. The use of make-shift chimney installation is not allowed.

Before connecting any wood-burning unit to an existing chimney, inspect the chimney to be sure it is in good condition. There should be no cracks or holes. Often it is impossible to see these from the outside. A certified chimney sweep should inspect your chimney and give you an accurate assessment of its condition. The cross-sectional area must not be less than that of the 6" diameter flue collar (28.27 square inches). Relining or rebuilding may be necessary to make a Masonry Chimney safe. A proper chimney is most important for safe, satisfactory operation of any wood heating system.

Inspect the Chimney and Chimney Connector (if installed) at least twice each month during the heating season. Any leak must be repaired. A chimney fire or deterioration can enlarge the hole. This will admit more air and cause exhaust gasses to condense and form creosote. Patches of creosote in your chimney indicate that such leaks are present.

If a significant amount of creosote has accumulated, it should be removed to reduce the risk of a chimney fire. (Refer to "Creosote and Soot -- Formation and Need for Removal" below).

Never intentionally start a chimney fire to clean the flue.

CREOSOTE and SOOT -- FORMATION AND NEED FOR REMOVAL

When wood is burned slowly, it produces tar and other organic vapors which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire.

The Chimney and Chimney Connector should be inspected at least twice each month during the heating season to determine if a creosote or soot build-up has occurred. If creosote has accumulated it should be removed to reduce the risk of a chimney fire.

From the standpoint of creosote build-up, building a small intense fire in your stove is preferable to having a large smoldering one.

LOADING DOOR

Do not operate your stove with the loading door open. This stove is not designed or intended to be operated with the loading door open. Do not leave your stove unattended when the loading door is not tightly closed, such as when starting a fire. Leaving the loading door open AFTER the fire is well started can cause overheating of the stove. Such overheating can cause the stove to warp.

Check the loading door gasket for deterioration at least twice each heating season. Inspect the gasket for physical deterioration missing sections or obvious leakage. To check the gasket further, insert a piece of paper into the door opening and close and latch the door. Obvious resistance should be felt when pulling the paper out. Repeat this check several times around the perimeter of the door.

***** SECTION 5 - SPECIFICATIONS *****

SPECIFICATIONS MODEL RGT-3001

Heat Output - - - - -	39,900 Btu/hr. (Weighted particulate emissions 5.8 gr/hr.)
Wood Capacity (Approximate)	
White Oak - - - - -	30#
Fir - - - - -	20#
Recommended Wood Length - - - - -	16"
Total Weight - With Firebrick (Approximate) - - - - -	300#
Width - - - - -	25"
Depth - - - - -	24-1/2"
Height - - - - -	32"
Door Opening Width - - - - -	14"
Door Opening Height - - - - -	8-1/2"
Flue Size (Diameter) - - - - -	6"
Fans, Two Variable Speed - - - - -	105 CFM
Door Glass - - - - -	Corning, Pyroceram II, Clear View Plus (TM) 5mm x 9-1/8" x 15"

Minimum Chimney Cross-Sectional Area 28.27 (Square inches)

Tested and listed to U.L. 1482 by Warnock Hersey International,
8431 Murphy Drive, Middleton, WI 53562

***** SECTION 6 - PREPARATION AND ASSEMBLY *****

WARNING

IMPROPER ASSEMBLY AND/OR INSTALLATION OF YOUR BLAZE KING WOODSTOVE OR FAILURE TO OPERATE IT ACCORDING TO THE GUIDELINES DETAILED IN THESE INSTRUCTIONS, WILL VOID THE STOVE WARRANTY, CAN CAUSE A HOUSE OR CHIMNEY FIRE, AND MAY ENDANGER YOUR FAMILY. FOR YOUR SAFETY, FOLLOW THE ASSEMBLY AND INSTALLATION INSTRUCTIONS CAREFULLY. CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION IN YOUR AREA. PLEASE READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW STOVE.

This Blaze King Model RGT-3001 Woodstove is Listed by Warnock Hersey International, ONLY if: it is connected to a suitable masonry chimney, or an 6" Listed Residential Type and Building Heating Appliance Type Chimney System (hereafter referred to as Chimney) and minimum clearances to combustible (burnable) materials are observed. See CHIMNEY and CHIMNEY CONNECTOR, and Table 2, Page 39 for minimum clearances.

DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

TOOLS NEEDED FOR INSTALLATION

If you are planning to install this stove yourself, you will need the tools listed below. Consult the chimney and chimney connector manufacturer's installation instructions for tools needed for installation.

- a. 1/4" Wrench, Nutdriver, or Socket with Handle.
- b. Medium Flat Blade Screwdriver and Phillips Screwdriver.
- c. Tape Measure.
- d. Carpenter's Level.
- e. See Mobile Home section for tools needed for the Mobile Home stove installation.

PLANNING FOR YOUR STOVE PLACEMENT

As you plan your installation, consider the following:

- a. Stove should be placed as central in the home as possible. Consider safety, convenience, traffic flow, and the fact that the the stove will need a chimney and chimney connector.
- b. MINIMUM CLEARANCES SHOWN IN FIGURES 21-26, PAGE 30 ARE TO PREVENT WALLS AND CEILINGS FROM CATCHING ON FIRE.
- c. The dimensions and position of the Floor Protector. See pages 28 & 30.
- d. The type of chimney system to be used. See page 28.
- e. Electrical Power. (Optional) The stove can be equipped with a fan assembly and a seven-foot electrical cord. Do not route the cord in front of the stove.

REDUCED WALL CLEARANCES

The stove and chimney connector may be placed closer to the wall than shown in Figures 21-26, Page 30 if the wall is properly protected. The two wall protection systems described in section 7, p. 14, allow a reduced clearance from the wall to the stove.

CHECK YOUR CHIMNEY

Before connecting any wood-burning unit to an existing chimney, inspect the chimney to be sure that it is in good condition. There must be no cracks or holes. The cross-sectional area must not be less than that of the flue collar (6" Diameter [28.27 square inches]). A proper chimney is crucial for safe, satisfactory operation of any wood heating system. Relining or rebuilding may be necessary to make the chimney safe, efficient, and in conformity with local codes.

Masonry Chimneys that have a very large cross-section (100 square inches or more) may experience poor draft and may require relining to reduce the cross-section and provide a proper draft.

This is also an ideal time to clean the existing chimney. For peak efficiency, a clean chimney flue is essential. A qualified professional chimney sweep can perform both inspection and cleaning. If you choose to clean your own chimney, use the proper tools. Homemade cleaners, such as chains, may damage your chimney.

Be sure the Ash Clean-Out Door for the masonry chimney is closed tightly. This door may be in the wall below the chimney in the room below the chimney or outside near the ground level of the chimney. This is frequently overlooked, and can cause severe drafting problems in masonry chimney installations.

The chimney MUST extend above the roof at least three feet or two feet above any area of the roof within ten feet of the termination of the chimney.

CHIMNEY HEIGHT AFFECTS DRAFT

Tall chimneys usually provide a strong, dependable draft. The chimney should be kept warm to enhance the draft. This will also reduce creosote accumulation caused by smoke and a condensation of water vapor. A buildup of creosote can reduce the draft and will become a potential fire hazard. Chimney tops should NEVER be near trees or other tall objects that might cause downdrafts. In new homes, or homes that have been weatherized and are very air-tight, exhaust fans, such as those installed in kitchens and bathrooms, can create a negative pressure in the room and a resulting downdraft in a chimney, when the fans are operating. Smoke may be drawn into the room, particularly when the loading door is open while the stove is being loaded. If this problem arises, open a window while the exhaust fan is being used or do not operate the exhaust fan while reloading the stove. If make-up air is NOT supplied, the negative pressure may also draw gasses from a gas furnace.

If you have a forced-air heating system, you can use the existing ducts and furnace fan to circulate air through the house, but DO NOT connect any ducting between the stove and the heating system ducts or any other air-distribution ducts.

STOVE ASSEMBLY

Remove all items packed in the firebox.

IF YOU HAVE NOT ALREADY DONE SO, PLEASE TAKE A FEW MINUTES TO COMPLETE THE WARRANTY CARD FOUND IN THE FIREBOX AND MAIL IT TODAY.

PRODUCT INSPECTION

BLAZE KING Stoves are known for their quality materials and construction. However, mistakes occasionally occur. Inspect all parts for damage due to shipping and to be sure that all needed parts are enclosed. If you discover a part is missing or damaged, contact your dealer immediately for replacement or repair. Refer to the part number listed here and the model and serial numbers of your stove (see the tag on the back of the stove).

Quantity	Item
1	Firebox, with brick
1	Owners Manual
1	Warranty Card
1	Apron with two 1/4 by 3/4 Bolts two 1/4 Flat Washer two 1/4 nuts
1	Thermostat Handle
1	Door Assembly, with handle

REMOVAL FROM THE SHIPPING PALLET

The stove assembly is mounted to the shipping pallet and weighs approximately 360 pounds.

- a. To remove the stove assembly, reach under the pallet and remove the 1/4" x 3" screw and washer that holds the unit to the pallet.
- b. Install all clearance kits and/or optional accessories required for your installation.

OPTIONAL ACCESSORIES

DESCRIPTION	PART #	INSTALLATION INSTRUCTIONS PAGE #
Side Shield Kit	8301AA	40
Back Shield Kit (must be installed with Side Shield Kit #8301AA) . . .	8302AA	41
Outside Air Kit	8300AA	47
Door Assembly (Standard - Charcoal or Golden Fire Brown. Optional -Satin Black, New Sky Blue, Gold Finish. .	8305AA	
Fan Assembly (must be installed with Side Shield Kit #8301AA).	8310AA	43
Trim on Side Shield	5775AA	41

***** SECTION 7 - REDUCED WALL CLEARANCES *****

REDUCED WALL CLEARANCES

NOTE: Before planning on or using reduced wall clearances, consult local building authorities, as local codes may vary.

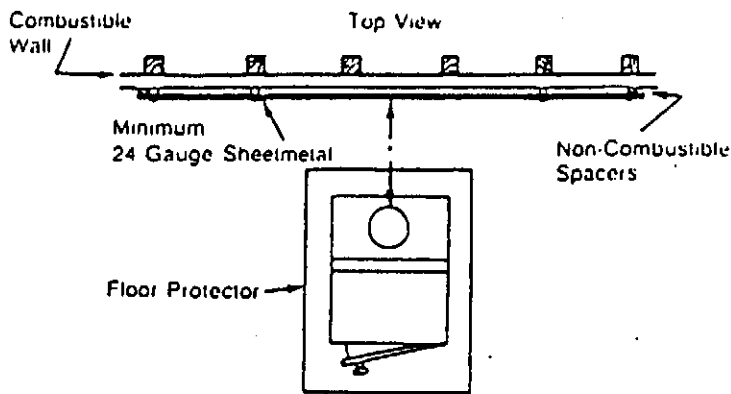
The stove and chimney connector may be placed closer to the wall than shown in Figures 21-26 if the wall is properly protected. The two wall protection systems described below allow a 12 inch clearance from the wall to the stove.

The National Fire Protection Association Standard 211 recognizes 8 different wall protection systems. Two of these clearance reduction systems are galvanized steel sheet metal with a minimum thickness of 24 gauge, or 4-inch nominal thickness brick (FIGURES 23-25). Either of these materials must be spaced out 1 inch from the wall surface. With sheet metal, non-combustible spacers are used to maintain the 1-inch air space. With a brick wall, metal wall ties are used to anchor the brick to the wall and maintain the 1-inch air space. To avoid excessive heat transmission, the spacers or wall ties should not be placed directly behind the heater or chimney connector. The 1-inch space provides free air circulation. It is also required that there are openings completely around the system including the bottom, so that cooling air can circulate in the 1-inch air space.

(This clearance reduction system is independent of clearance kits described in section 6, P.12, and minimum clearances detailed in section 8, p. 28. Both clearance reduction systems may, with local code approval, be combined.)

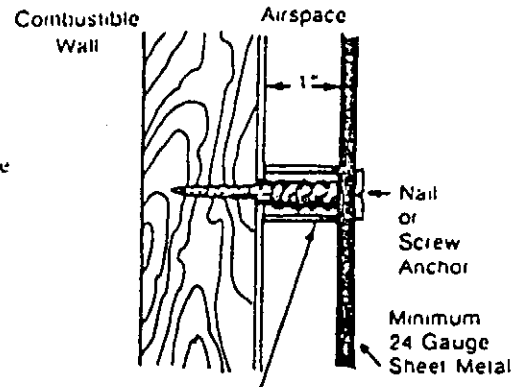
The clearance reduction system should extend 38 inches beyond each side of the heater measured diagonally from the back stove corner (Figure 6), 38 inches above the stove top in ceiling exit installations (measured diagonally from the back of the stove top), and it must extend as high as the thimble penetration of the wall to the chimney in wall exit installations to protect the wall behind the vertical run of the chimney connector.

A variety of prefabricated clearance reduction systems may be available through your stove dealer. Always look for a safety listing label on the product when selecting a prefabricated clearance reduction system and make sure it is designed for use with a wood stove. Follow exactly the installation instructions provided with the system.



SHEET METAL CLEARANCE REDUCTION SYSTEM

FIGURE 3



1 Inch Non-Combustible Spacer Such As Stacked Washers, Small Diameter Pipe, Tubing, or Electrical Conduit

FIGURE 4

Do Not Use Fasteners Directly Behind Chimney Connector or Stove

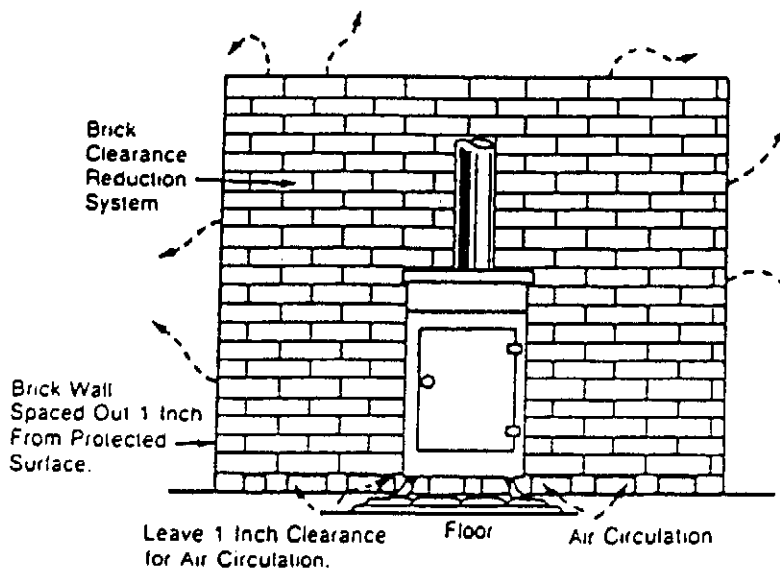


FIGURE 5

Brick Walls May be Attached to Combustible Walls Using Wall Tiles.

If Brick is Used, Be Sure Floor Can Withstand Weight of Brick.

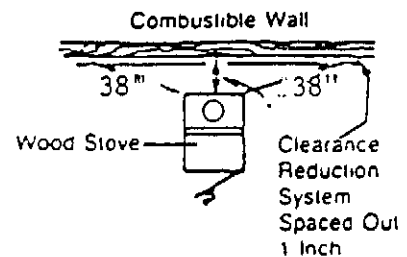


FIGURE 6

***** SECTION 8 - INSTALLATION *****

PART I
GENERAL INSTRUCTIONS

FLOOR PROTECTOR

The stove must be placed on a floor protector if the floor is wood or other combustible flooring.

1. Floor protection material: Any non-combustible material or Listed floor protector.

To provide the proper clearances, the floor protector must be at least: 33 x 40" and extend:

- 15" in front of the stove base.
- 4" from each side of the stove base.
- 7" from the back of the stove base.

The floor protector must extend to the wall under a wall exit installation and must extend 2" beyond each side of the horizontal section of chimney connector.

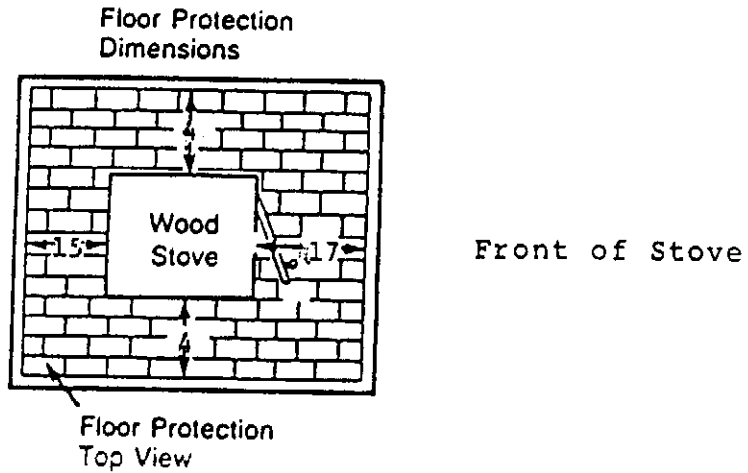


FIGURE 7

WARNING

FAILURE TO ALLOW THE REQUIRED CLEARANCES TO COMBUSTIBLE MATERIALS OR TO PROVIDE ADEQUATE FLOOR PROTECTION CAN CAUSE A HOUSE FIRE. SUCH A FIRE CAN RESULT IN DAMAGE TO PROPERTY AND SERIOUS INJURY OR DEATH.

VENTING SYSTEMS (Many of the illustrations with copy are courtesy of the Consumer Products Safety Commission)

The venting system consists of a chimney connector and a chimney. These get extremely hot during use. Temperatures inside the chimney may exceed 2000 degrees in the event of a creosote fire. To protect against the possibility of a house fire, the chimney connector and chimney must be properly installed and maintained. A thimble must be used when a connection is made through a combustible wall to a chimney. A chimney support package must be used when a connection is made through the ceiling to a prefabricated chimney. These accessories are absolutely necessary to provide safe clearances to combustible wall and ceiling material.

This stove may be connected to a lined masonry chimney or a listed high temperature prefabricated residential type building heating appliance chimney. Do not connect it to a chimney serving another appliance. To do so will affect the safe operation of both appliances, and will void the stove warranty.

CHIMNEY CONNECTOR

The chimney connector must be 6 inch diameter 24/26 MSG Black/Blue steel. Do not use aluminum or galvanized steel. They cannot properly withstand the extreme temperatures of a wood fire. Do not use chimney connector pipe as a chimney. You must connect your stove to a chimney comparable to those illustrated in this manual.

Chimney connector sections must be attached to the stove and to each other with the crimped end toward the stove (FIGURE 8). This allows creosote to run into the stove and not onto the outside of the pipe. All joints should be secured with three metal screws. Otherwise, in the event of a creosote fire, the connector may vibrate apart.

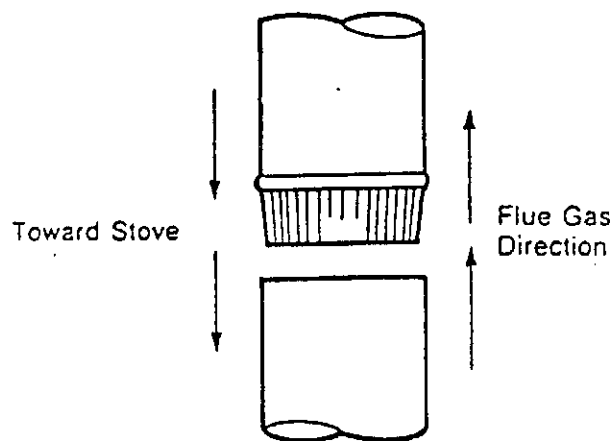


FIGURE 8

For proper operation the chimney connector should be as short as possible. Horizontal lengths of chimney connector should have an upward slope from the stove of 1/4 inch per foot.

Maintain 18 inches clearance between the chimney connector and the wall and ceiling unless a wall protection system is installed.

CONNECTION TO A MASONRY CHIMNEY

Chimney

Should the stove be connected to a masonry chimney, the chimney should be examined for cracks, loose mortar, other signs of deterioration, and blockage. The stove should not be installed until it is determined that the chimney is safe for use. Since an oversized flue contributes to the accumulation of creosote, the size of the flue should be checked to determine that it is not too large for the stove. For this stove, it is recommended that the flue size should not exceed the overall area of a 6" flue (28.27 square inches). The chimney should also be checked to assure it meets the minimum standards of the National Fire Protection Association (NFPA) Standard 211. Following is a list of the more critical minimum requirements for a properly constructed chimney.

1. The masonry wall of the chimney, if brick or modular block, must be a minimum of 4 inches nominal thickness. A mountain or rubble stone wall must be at least 12 inches thick.
2. The chimney must have a fire clay flue liner (or equivalent) with a minimum thickness of 5/8 inch and must be installed with refractory mortar. There must be at least 1/2-inch air space between the flue liner and the chimney wall (FIGURE 9). An equivalent liner must be a listed chimney liner system or other approved material.

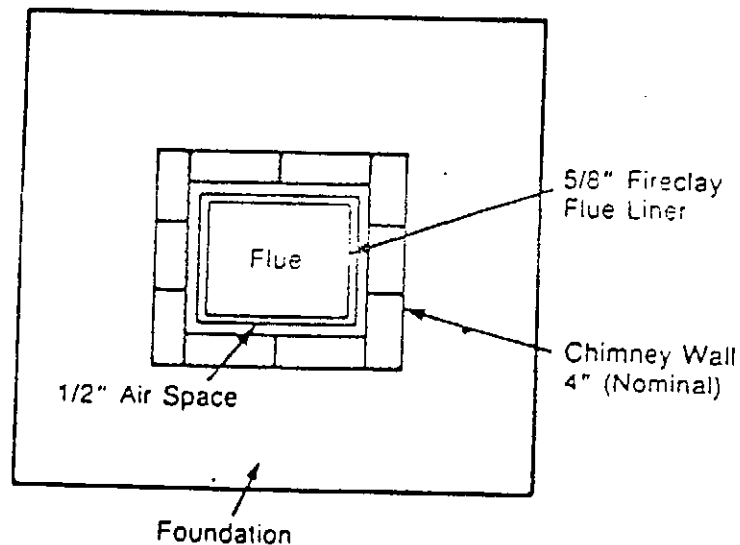


FIGURE 9

3. A chimney inside the house must have at least 2 inches of clearance to the combustible structure. A chimney outside the house must have at least one inch clearance to the combustible structure. Fire stops must be installed at the spaces where the chimney passes through floors and/or ceiling (FIGURE 10).

FIRESTOPPING

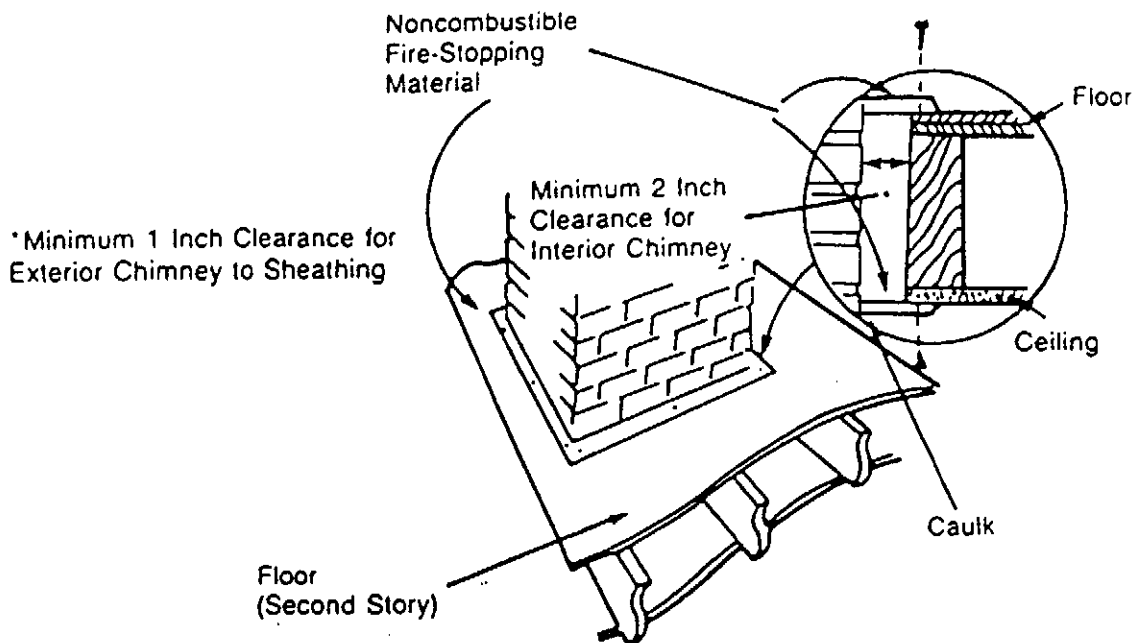


FIGURE 10

Remember that insulation must not contact the chimney. There must be air space around the chimney. Insulation must be 2 inches or more from the chimney (FIGURE 11).

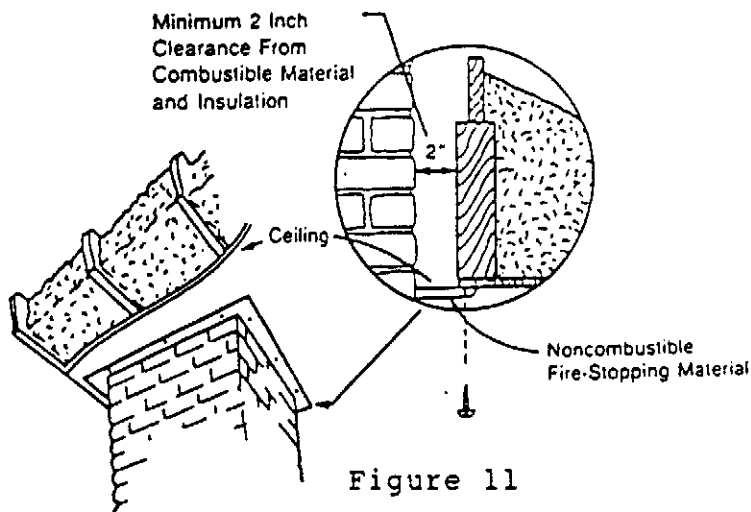


Figure 11

4. A chimney must be the required height above the roof or other obstruction for safety and for proper draft operation. The requirement is that the chimney must be at least 3 feet higher than the highest point where it passes through the roof and at least 2 feet higher than the highest part of the roof or structure that is within 10 feet of the chimney, measured horizontally (FIGURE 12).

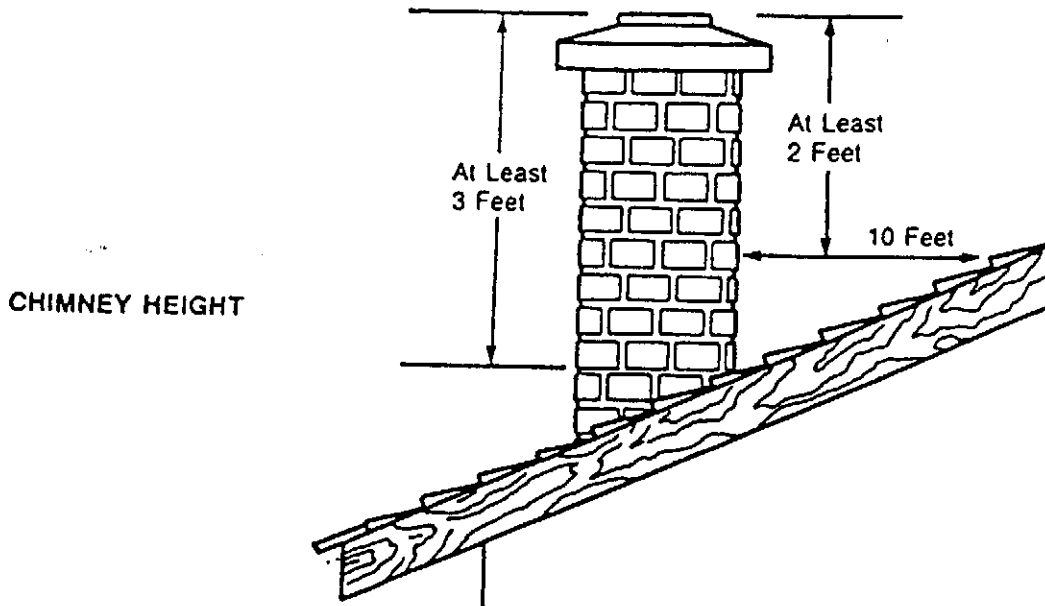


FIGURE 12

Thimble

A thimble must be used when the connection from the stove is made through a combustible wall to a masonry chimney. There are several methods to use for connection through a combustible wall, two of which are illustrated in this manual. Local building authorities may be consulted or NFPA 211 may be used for additional methods of chimney connection.

Also, listed prefabricated metal thimbles may be bought for use with wood stoves. The manufacturer's installation instructions for the thimbles must be strictly followed to assure the safety of the system. Be sure to maintain the designated clearance to combustible materials.

1. Brick chimney thimble assembly

Construction of the brick thimble assembly requires 12 inches of brick around a fire clay liner. Be sure the point of penetration allows an 18 inch clearance from the connector to the ceiling. An appropriate opening for a 6 inch chimney connector must be cut in the wall to maintain the required 12 inches of brick separation from combustibles. It will be necessary to cut wall studs and install a header and sill frame to maintain proper dimensions and to hold the weight of the brick (FIGURE 13).

NOTE: Whenever cutting through a wall, check first with local building authorities to be sure building integrity is secured.

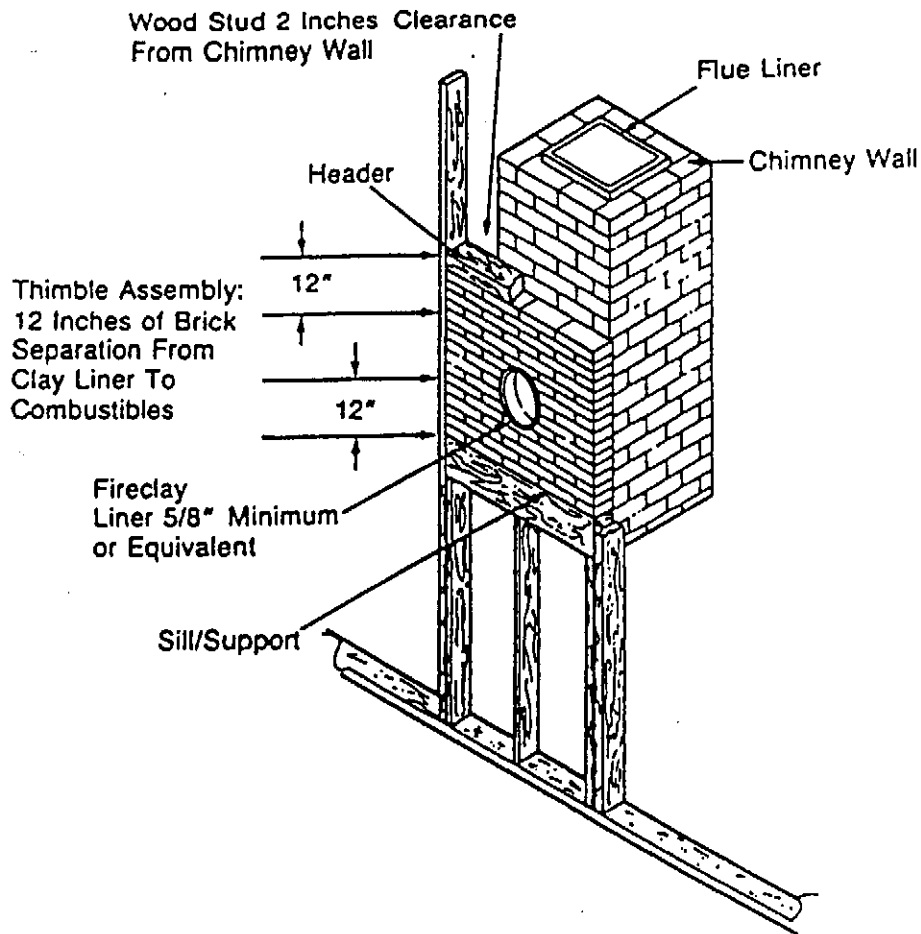


FIGURE 13

Minimum 3 1/2-inch (4-inch nominal) thick sold bricks are to be used. The fire clay liner (ASTM C35 or equivalent), minimum 5/8-inch wall thickness, must not penetrate into the chimney beyond the inner surface of the chimney flue liner and must be firmly cemented in place. If it is necessary to cut a hole in the chimney liner, use extreme care to keep it from shattering. Refractory mortar must be used at the junction to the chimney liner (FIGURE 14). After the assembly is complete, insert the chimney connector in the fire clay liner. Do not push it beyond the inside edge of the chimney liner because this will affect the draw of the chimney.

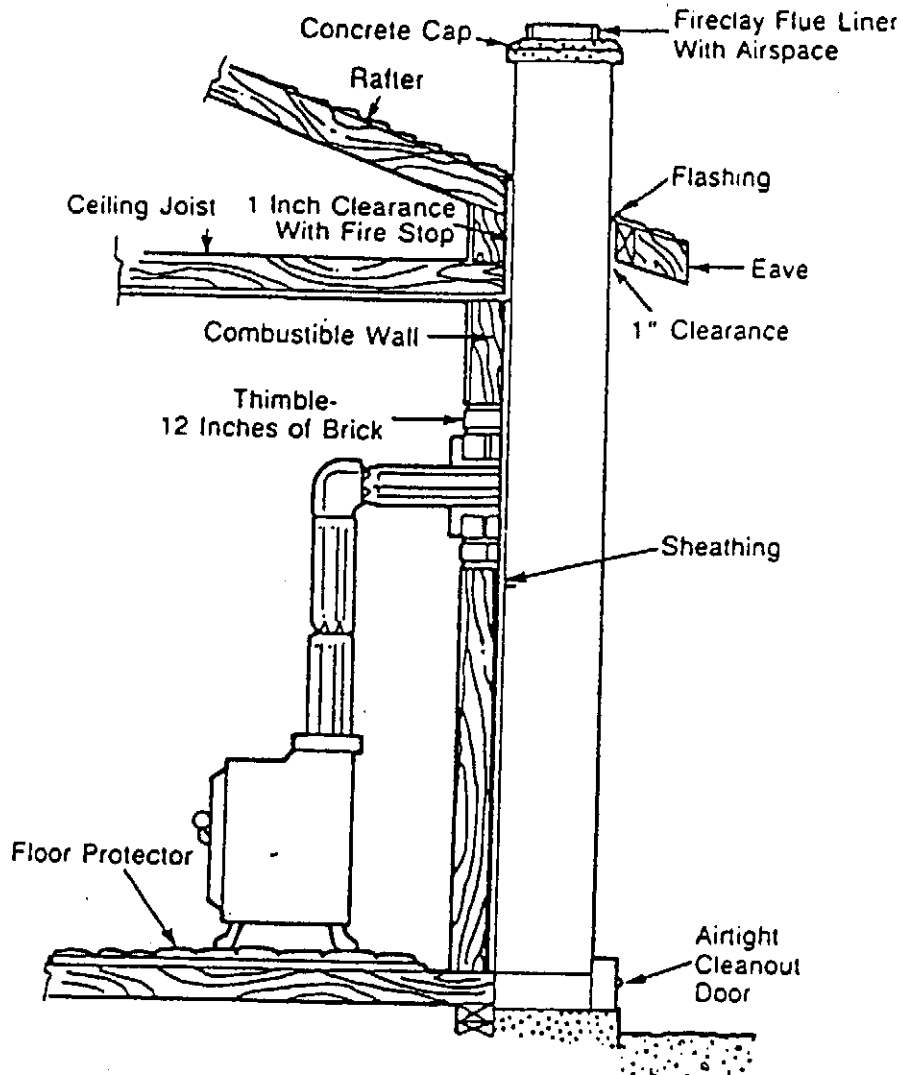


FIGURE 14

2. 6 inch solid pack chimney with metal supports as a thimble

For the method of installation to a masonry chimney shown in FIGURES 15 and 16, it will be necessary to purchase a 6 inch inside diameter 12-inch long section of prefabricated listed solid pack chimney to use as a thimble. Purchase a wall spacer, trim collar and wall band that are manufactured to fit the chimney section you purchase.

The safety features of this system are: the 2-inch air space between the chimney section and combustible wall, and the 1-inch air space around the chimney connector as it passes through the chimney section to the chimney.

The location of the opening through the wall to the chimney must leave a minimum 18 inch vertical clearance between the connector pipe and the ceiling to prevent the ceiling from catching fire.

For instructions on installation of the thimble, refer to chimney manufacturer's instructions.

Minimum Chimney Clearance
to Wall Spacer and
Combustibles 2 Inches

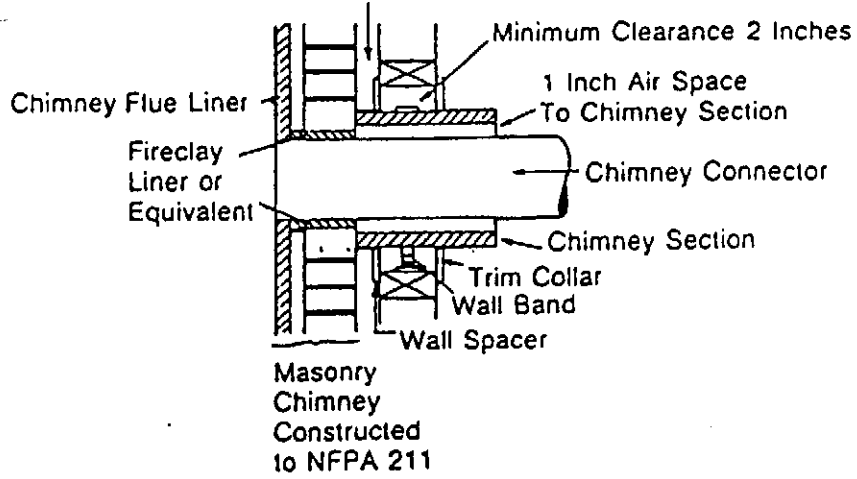


FIGURE 15

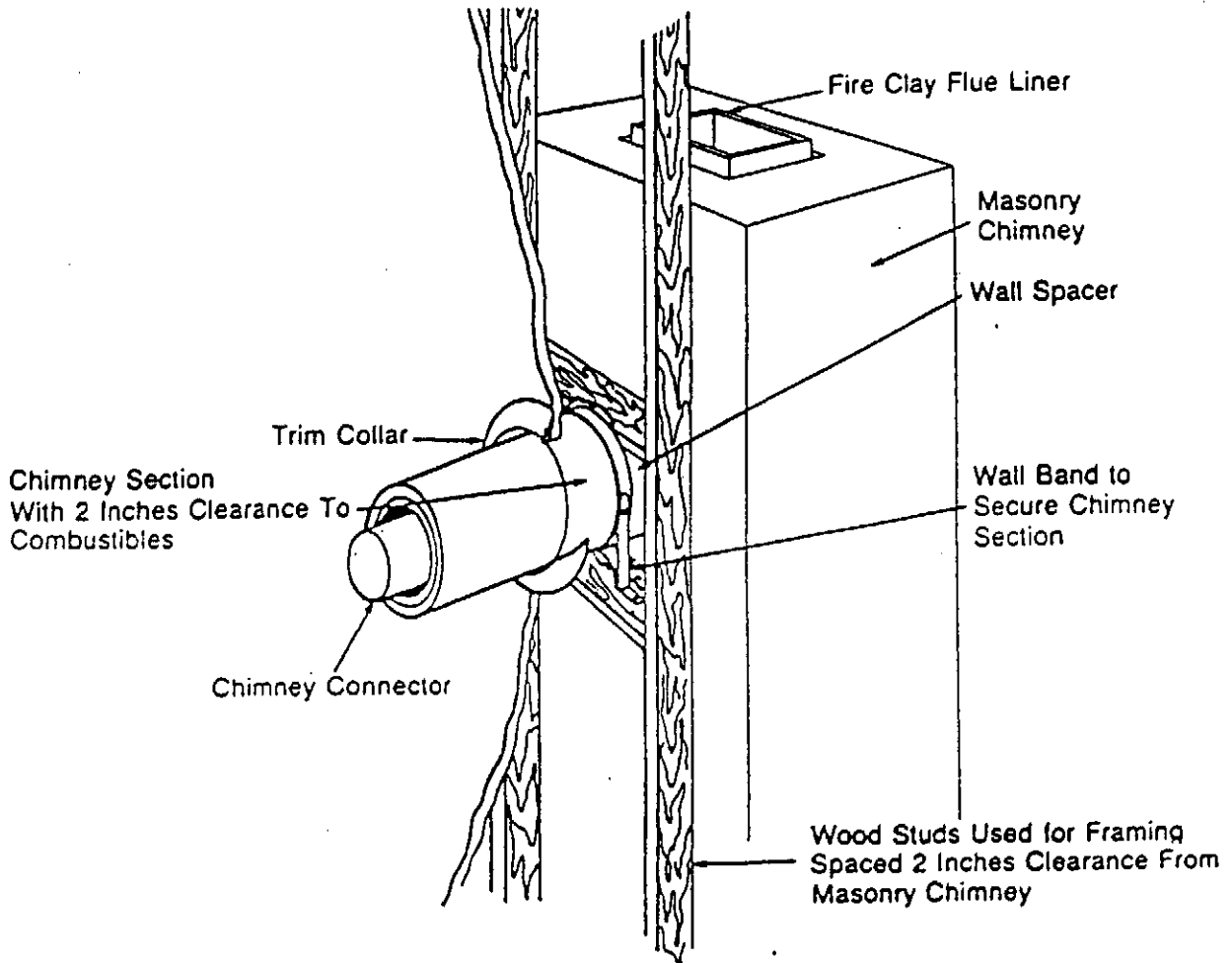


FIGURE 16

H. CONNECTION TO A METAL PREFABRICATED CHIMNEY

CHIMNEY

When a metal prefabricated chimney is used, the manufacturer's installation instructions must be followed precisely. You must also purchase (from the same manufacturer) and install the ceiling support package or wall pass through and "T" section package, firestops (when needed), insulation shield, roof flashing chimney cap, etc. Maintain the proper clearance to the structure as recommended by the manufacturer. This clearance is usually a minimum of 2 inches, although it may vary by manufacturer or for certain components.

There are basically two methods of metal chimney installation. One method is to install the chimney inside the residence through the ceiling and the roof (FIGURES 17 and 18). The other method is to install an exterior chimney that runs up the outside of the residence (FIGURES 19 and 20). The components illustrated may not look exactly like the system you purchase, but they demonstrate the basic components you will need for a proper and safe installation.

The chimney must be the required height above the roof or other obstruction for safety and for proper draft operation. The requirement is that the chimney must be at least 3 feet higher than the highest point where it passes through the roof and at least 2 feet higher than the highest part of the roof or structure that is within 10 feet of the chimney, measured horizontally (FIGURE 12).

THIMBLE

When a wall exit installation is used, a thimble must be installed. Either a manufactured or a site-constructed (brick) thimble may be used.

In a roof exit installation, the ceiling support box supplied with the manufactured chimney acts as a thimble.

REMEMBER: Follow the manufacturer's installation instructions and maintain the manufacturer's specified clearance distances.

Install an attic insulation shield to maintain the specified clearance to insulation. Insulation in this air space will cause a heat buildup which may ignite the ceiling joists.

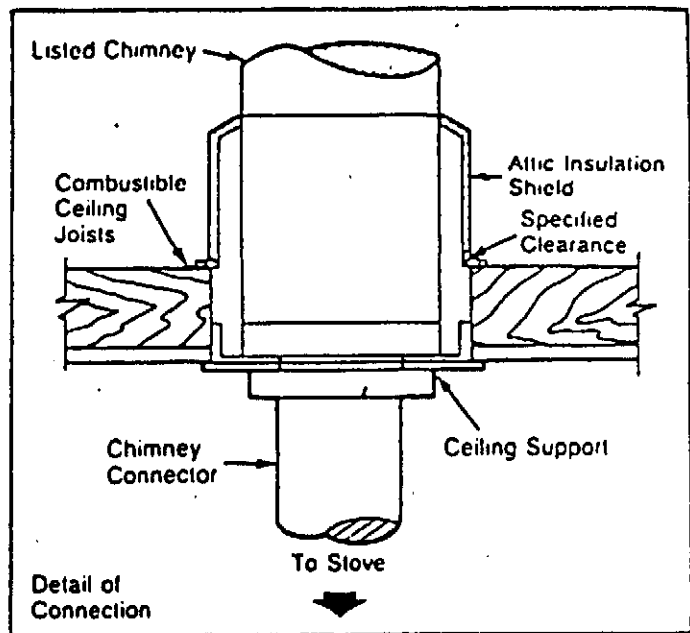
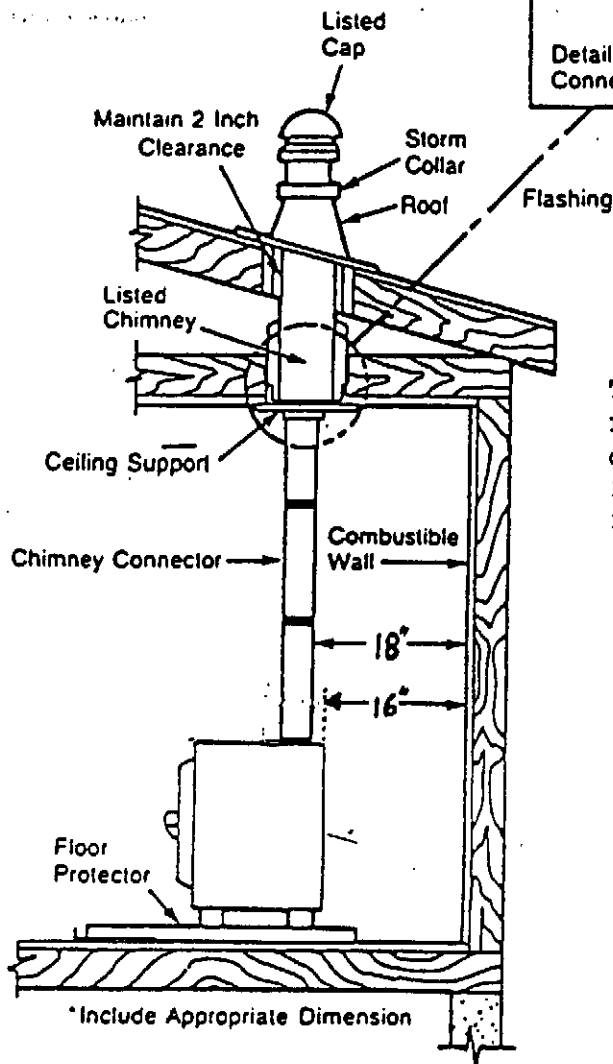


FIGURE 18



This method of installation requires at a minimum a ceiling support package, an insulation shield and roof flashing

FIGURE 17

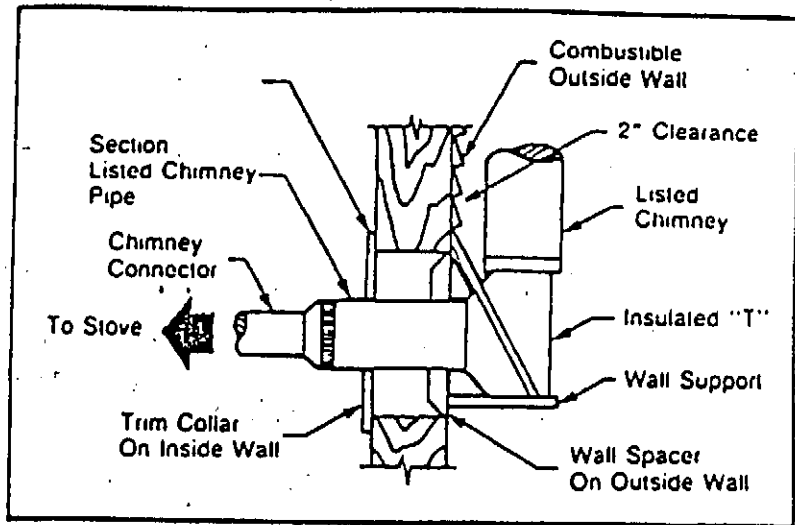


FIGURE 20

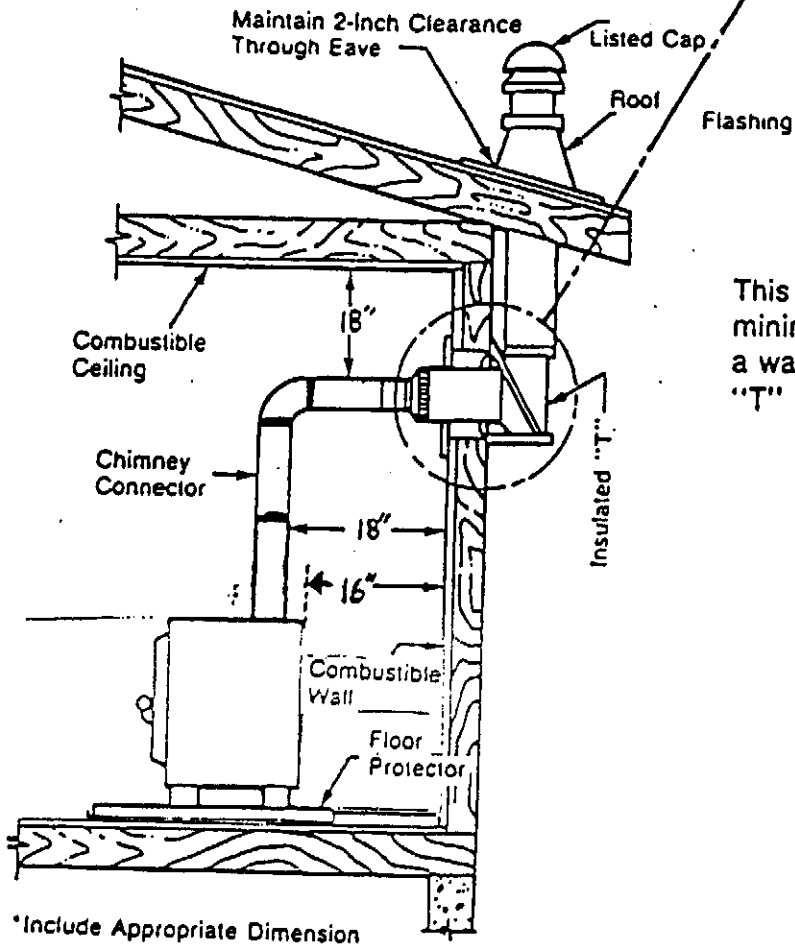


FIGURE 19

This method of installation requires at a minimum a wall pass through device, a wall support package and insulated "T" section and roof flashing.

PART II INSTALLATION OPTIONS

Residential

1. Standard clearance, parallel with wall, using ceiling exit. See Page 31.
2. Standard clearance, corner installation, using ceiling exit. See Page 37.
3. Standard clearance, parallel with wall, using wall exit. See Page 33.
4. Standard clearance, corner installation, using wall exit. See Page 35.
5. Reduced clearance, wall exit. See Page 33.
6. Reduced clearance, ceiling exit. See Page 31.
7. Alcove installation. See Page 37.

Mobile Home (all ceiling exit)

1. Parallel installation. See Page 37.
2. Corner installation. See Page 37.
3. Alcove installation. See Page 37.

PART III CLEARANCES TO COMBUSTIBLE SURFACES

WARNING

FAILURE TO ALLOW THE REQUIRED CLEARANCES TO COMBUSTIBLE MATERIALS OR TO PROVIDE ADEQUATE FLOOR PROTECTION CAN CAUSE A HOUSE FIRE. SUCH A FIRE CAN RESULT IN DAMAGE TO PROPERTY AND SERIOUS INJURY OR DEATH.

1. TABLE#1
MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES
(All Dimensions are in Inches)

CLEARANCE ILLUSTRATIONS	---Fig.	* Req.	CLEARANCES				INSTALLATION INSTRUCTIONS	
			A	B	C	D	Page	
RESIDENTIAL INSTALLATIONS								
Parallel	23	1	16	10	25.5	16		31
Corner	21	1	12	--	21.5	--		31
Reduced Side Clearance	23	2	12	10	21.5	16		31
Reduced Corner Clearance	21	2	8	--	17.5	--		31
Reduced Back Clearance	23	3	16	6	25.5	12		37
Alcove	22	3	16	6	25.5	12		37
Wall Exit, Parallel	24&25	4	14	10	23.5	16		33,35
Wall Exit, Corner	24&26	4	8	--	17.5	--		33,35
For wall exit, minimum clearance from horizontal pipe to ceiling is 18".								
MOBILE HOME INSTALLATIONS								
Parallel	23	5	12	6	21.5	12		37
Corner	21	5	8	--	17.5	--		37
Alcove	22	5	17		26.5	13		37

ALCOVE REQUIREMENTS

Minimum height-----64"
Minimum width-----59"
Maximum depth-----30"

*REQUIRED TO ATTAIN ABOVE CLEARANCES

1. With 6" dia. 24/26 MSG Black/Blue steel chimney connector with Listed Residential Type and Building Heating Appliance type chimney.
2. With Side Shield Kit (P/N 8301AA), and 6" dia. 24/26 MSG Black/Blue steel chimney connector with Listed Residential Type and Building Heating Appliance type chimney.
3. With Residential Alcove/Reduced Back Clearance Kit (P/N - 8339AA), and 6" Simpson Dura Plus chimney system and 6" Simpson Dura Vent Close Clearance Connector.

4. With Side Shield Kit (P/N 8301AA) and 6" dia. 24/26 MSG Black/Blue steel chimney connector with Listed Residential Type and Building Heating Appliance chimney with listed wall pass through, or masonry residential type chimney with listed wall pass through. And additional floor protection which must extend to wall under chimney connector and must extend 2" beyond each side of chimney connector.
5. With Mobile Home and Mobile Home Alcove Kit (P/N 8340AA), and 6" Simpson Dura Plus chimney system and 6" Simpson Dura Vent Close Clearance Connector.

****CHIMNEY TYPE**

- | | |
|--------------------------|---------|
| 1. Prefabricated Chimney | Page 24 |
| 2. Masonry Chimney | Page 18 |

CLEARANCE ILLUSTRATIONS

Fig. #21
Roof Exit
Corner
Mobile Home
Residence

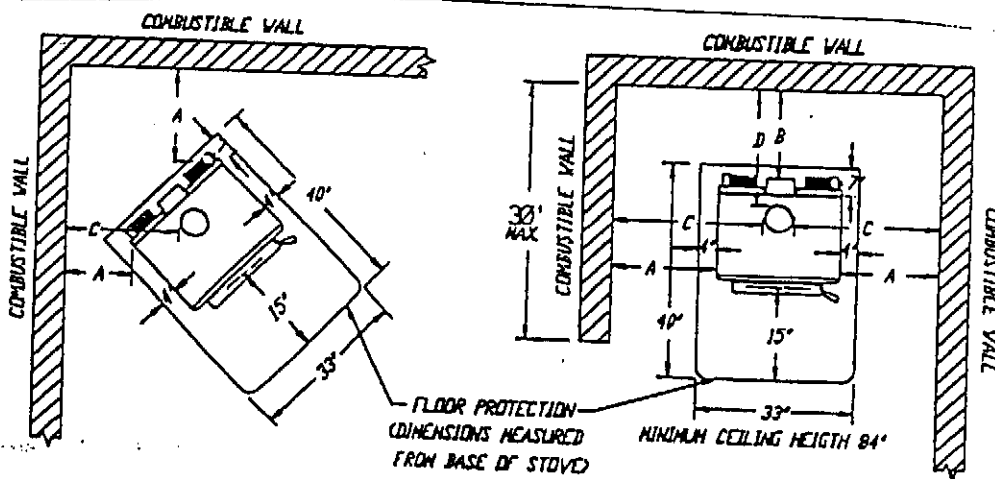


Fig. #22
Roof Exit
Alcove
Mobile Ho
Residence

Fig. #23
Roof Exit
Parallel
Mobile Home
Residence

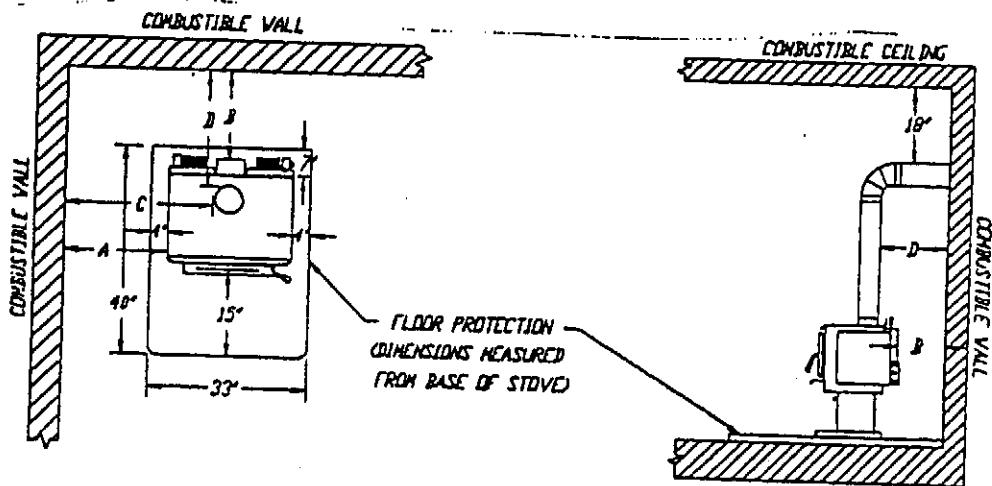


Fig. #24
Wall Exit
Side View
of Figs.
25 & 26

Fig. #25
Wall Exit
Parallel
Residence
Only

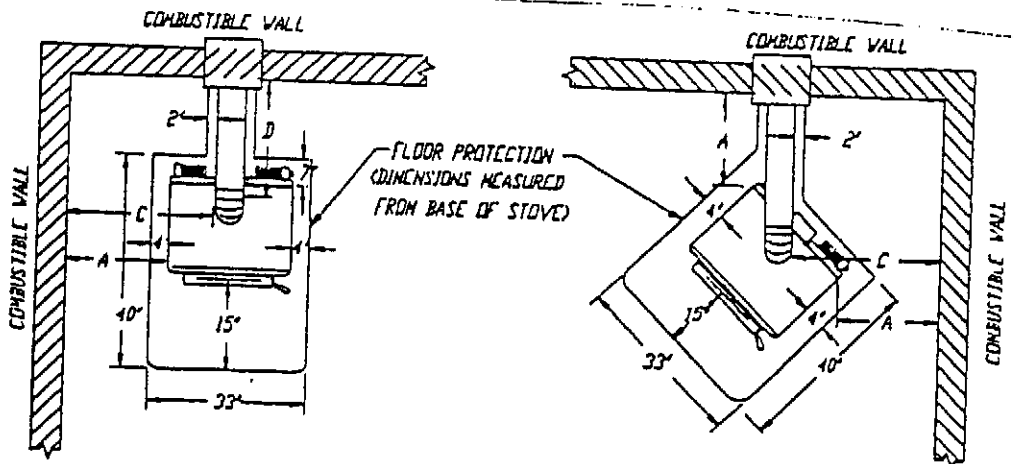


Fig. #26
Wall Exit
Corner
Residence
Only

PART IV INSTALLATION INSTRUCTIONS

A. RESIDENTIAL STANDARD AND REDUCED CLEARANCE CEILING EXIT INSTALLATION INSTRUCTIONS USING A PREFABRICATED CHIMNEY.

Refer to Page 30, Fig. 21-23.

1. Set floor protector and stove in location for marking holes in accordance with the label and figures of these instructions (page 30, Fig. 21-23).
2. Mark the position for the hole in the ceiling and roof by using a string and plumb-bob.
3. Check that the intended location will not interfere with floor joists, ceiling joists, or rafters before proceeding further.
4. IF REQUIRED, be sure you have marked the hole for Outside Air Kit.
5. Move the stove out of the way.
6. Cut a pilot hole in the ceiling.
7. Cut a hole for the ceiling penetration components and frame in the sides of this hole in both ceiling and roof. Refer to the pipe manufacturer's installation instructions.
8. Install the Support Box and Chimney through roof. Install the slip section for the Chimney Connector at this time. Refer to the pipe manufacturer's installation instructions.
9. Following the Manufacturer's Installation Instructions, slip the roof flashing down over the chimney and secure to the roof, being careful to keep the pipe centered in the opening.
NOTE: To meet the code, the chimney must extend above the roof at least three feet and two feet above any area of the roof within ten feet of the termination of the chimney. Be sure all pieces (including outside air cap, flange, collar and pipe) are installed at this point before putting the stove in its final position.
10. Slide the stove back into position.
11. To install the Chimney Connector, slip the lower (crimped) edge of the pipe inside the smoke collar. Install the remaining lengths of pipe, one on top of the other, to the finished height of the Chimney Connector, and secure to each other.
12. IF REQUIRED, install the Outside Air Flex Pipe.
13. If the OPTIONAL Fan and Side Heat Shield Assembly is installed the fan motors are equipped with a three-prong (grounded) plug to prevent shock hazard. THIS PLUG SHOULD BE INSERTED DIRECTLY INTO A PROPERLY GROUNDED, THREE-PRONGED RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG. Do not route the power cord in front or under this heater.

ROOF EXIT

For Figures 21 and 23, Page 30

Residential Stove Installation Only:

Parallel and Corner, See Requirement #1, Page 28.
Reduced Side and Reduced Corner Clearance,
See Requirement #2, Page 28.

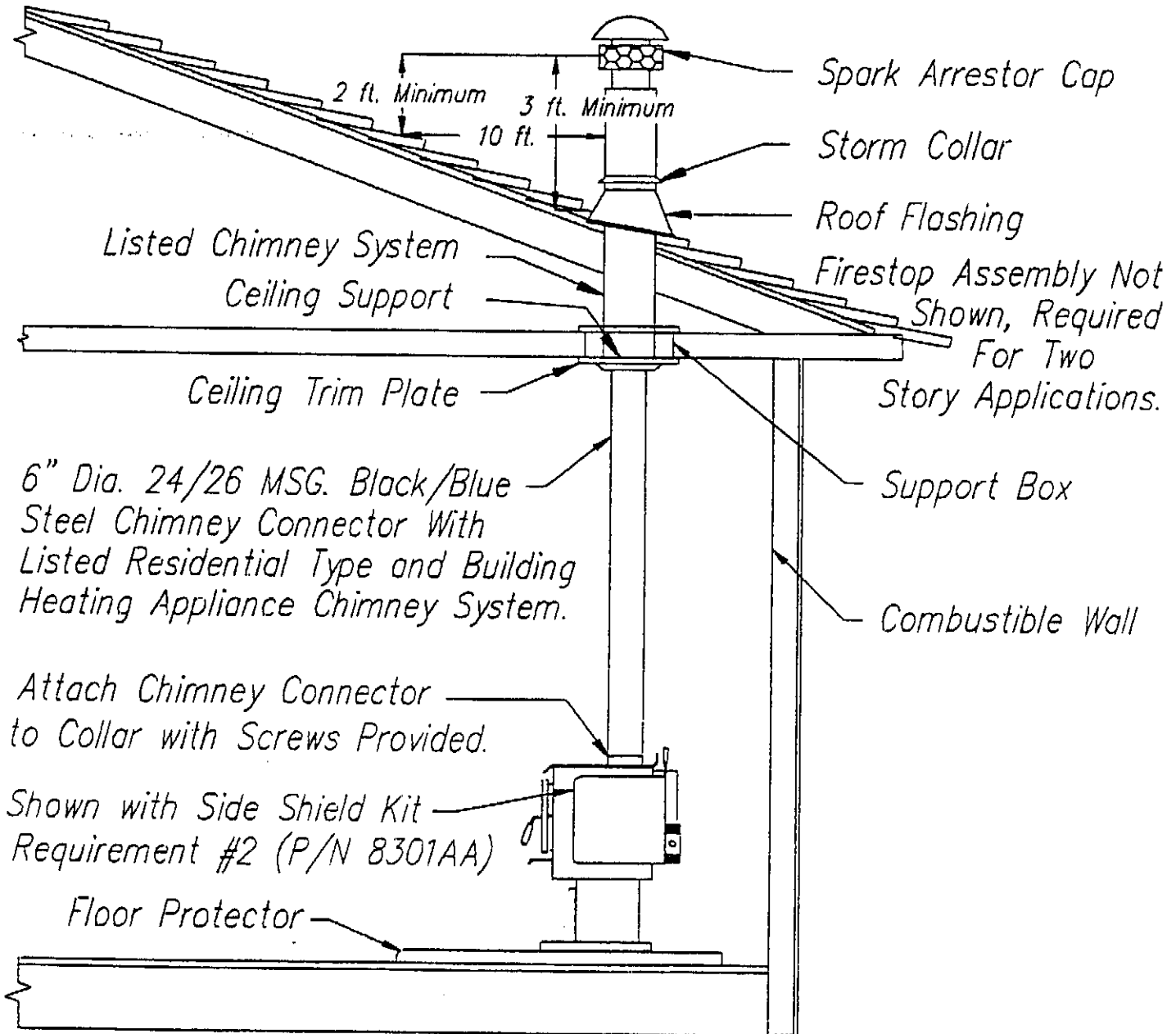


FIGURE 27. Residential Installation Using Listed Prefabricated Chimney System.

B. RESIDENTIAL STANDARD AND REDUCED CLEARANCE WALL EXIT WITH
PREFABRICATED CHIMNEY

Refer to Page 30, Figures 24-25-26.

1. Set floor protector and stove in location for marking holes in accordance with the label and figures of these instructions (Page 30, Fig. 24-25-26)
2. Mark the position for the hole in the wall.
3. IF REQUIRED, be sure to mark the hole for Outside Air Kit.
4. Move the stove out of the way.
5. Cut pilot hole in the wall.
6. Cut the hole for the wall penetration components and frame in the sides of this hole. Install Listed Wall Pass-Through. Refer to the pipe manufacturer's installation instructions.
7. Follow the Manufacturer's Installation Instructions to install Prefabricated Chimney system. NOTE: To meet the code, the chimney must extend above the roof at least three feet and two feet above any area of the roof within ten feet of the termination of the chimney. The RGT-3001's flue collar accepts only 6" chimney connector. The small end of the connector fits into the collar to enable any water vapor which may form in the chimney to drain back into the stove. Close clearance chimney connector is not normally required for residential standard clearance installations. Check with your local building or fire inspector for local requirements. Chimney connectors can also be used horizontally as a connection between the stove and a masonry chimney, provided that the horizontal length does not exceed three feet AND THE CONNECTOR SLOPES UPWARD TOWARD THE CHIMNEY AT THE RATE OF 1/4" PER FOOT. This slope in the horizontal connection is required to encourage the water vapor to drain back into the stove. Use a carpenter's level and a ruler or tape measure to check the slope. You should also use a level to check the chimney connector exiting the stove to be sure it is vertical. Under no condition should the chimney connector have more than one 90 degree bend or two 45 degree bends. The distance between the chimney connector and the ceiling must not be less than 18". The chimney connector sections should be secured together with no less than three sheet metal screws per joint. The chimney connector should be attached to the stove's flue collar with screws provided. Be sure all options, including outside air cap, flange, collar and pipe are installed at this point before putting the stove in its final position.
8. Slide the stove back into position.
9. To install the Chimney Connector, slip the lower (crimped) edge of the pipe inside the smoke collar. Install the remaining lengths of pipe, one on top of the other, to the finished height of the Chimney Connector, and secure to each other.
10. IF REQUIRED, install the Outside Air Flex Pipe.
11. If the OPTIONAL Fan and Side Heat Shield Assembly is installed, the fan motors are equipped with a three-prong (grounded) plug to prevent shock hazard. THIS PLUG SHOULD BE INSERTED DIRECTLY INTO A PROPERLY GROUNDED, THREE-PRONGED RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG. Do not route the power cord in front of this heater.

WALL EXIT

For Figures 24, 25, and 26. Page 30

Residential Stove Installation Only:

Reduced Parallel and Reduced Corner Clearance,
See Requirement #4, Page 29

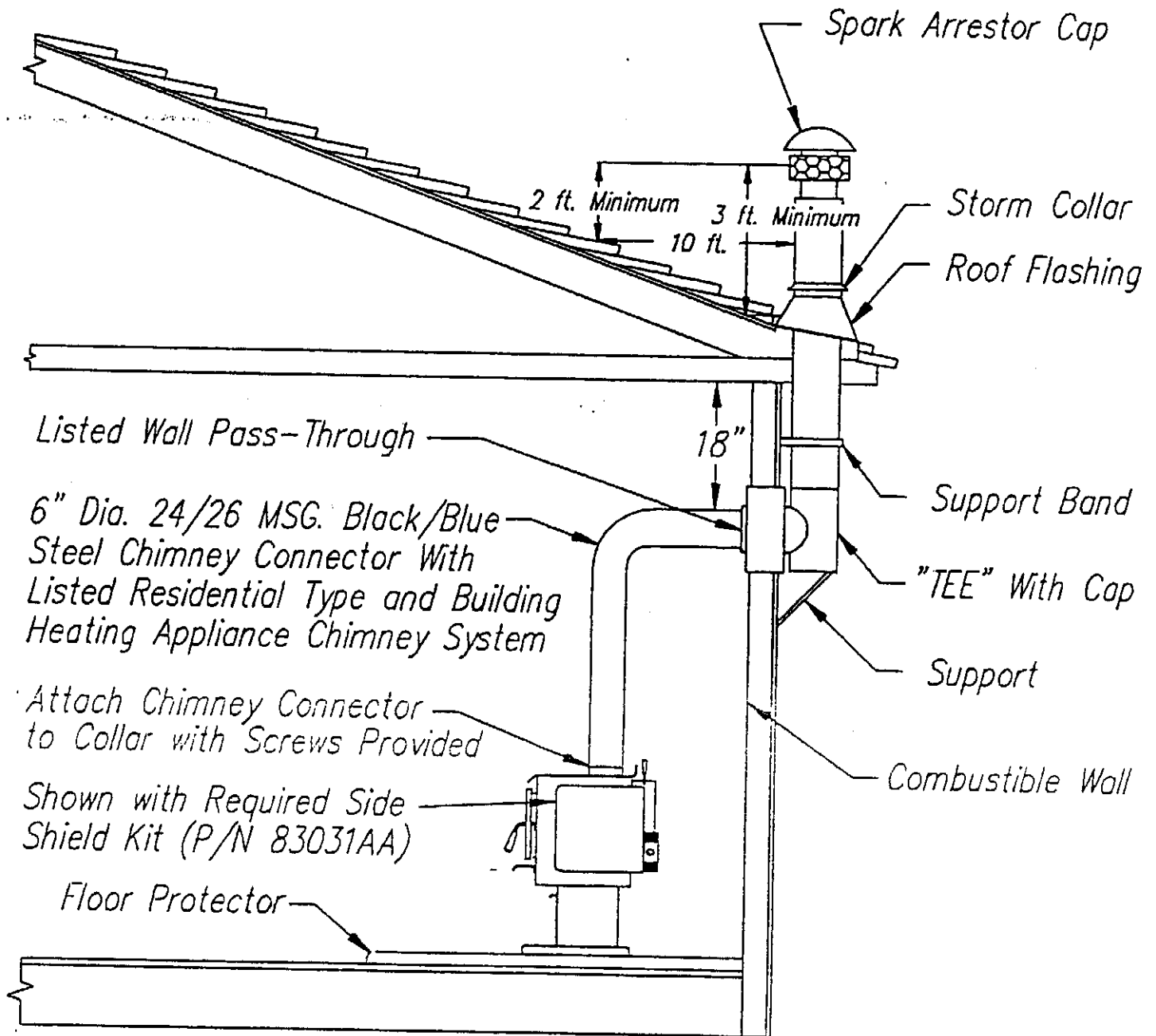


FIGURE 28. Residential Installation Using Listed Prefabricated Chimney System.

C. RESIDENTIAL STANDARD AND REDUCED CLEARANCE WALL EXIT WITH
EXTERIOR MASONRY CHIMNEY

Refer to Page 30, Fig. 24-25-26.

1. Set floor protector and stove in location for marking holes in accordance with the label and figures of these instructions (Page 30, Fig. 24-25-26).
2. Mark position for the hole in the wall or masonry chimney.
3. IF REQUIRED, be sure to mark the hole for Outside Air Kit.
4. Move the stove out of the way.
5. Cut the pilot hole in the wall and/or masonry chimney.
6. Cut the hole for the wall penetration components and frame in the sides of this hole. Install Listed Wall Pass-Through. Refer to the pipe manufacturer's installation instructions.
7. Follow the manufacturer's installation instructions to install Prefabricated Chimney system. NOTE: to meet the code, the chimney must extend above the roof at least three feet and two feet above any area of the roof within ten feet of the termination of the chimney. The RGT-3000's flue collar accepts only 6" chimney connector. The small end of the connector fits into the collar to enable any water vapor which may form in the chimney to drain back into the stove. Close clearance chimney connector is not normally required for residential standard clearance installations. Check with your local building or fire inspector for local requirements. Chimney connectors can also be used horizontally as a connection between the stove and a masonry chimney, provided that the horizontal length does not exceed three feet AND THE CONNECTOR SLOPES UPWARD TOWARD THE CHIMNEY AT THE RATE OF 1/4" PER FOOT. This slope in the horizontal connection is required to encourage the water vapor to drain back into the stove. Use a carpenter's level and a ruler or tape measure to check the slope. You should also use a level to check the chimney connector exiting the stove to be sure it is vertical. Under no condition should the chimney connector have more than one 90 degree bend or two 45 degree bends. The distance between the chimney connector and the ceiling must not be less than 18". The chimney connector sections should be attached to the stove's flue collar with screws per joint. The chimney connector should be attached to the stove's flue collar with screws provided. Be sure all options including outside air cap, flange, collar and pipe are installed at this point before putting the stove in its final position.
8. Slide the stove back into position.
9. To install the Chimney Connector, slip the lower (crimped) edge of the pipe inside the smoke collar. Install the remaining lengths of pipe, one on top of the other, to the finished height of the Chimney Connector, and secure to each other.
10. IF REQUIRED, install the Outside Air Flex Pipe.
11. If the OPTIONAL Fan Assembly is installed, the fan motors are equipped with a three-prong (grounded) plug to prevent shock hazard. THIS PLUG SHOULD BE INSERTED DIRECTLY INTO A PROPERLY GROUNDED, THREE-PRONGED RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG. Do not route the power cord in front of this heater.

WALL EXIT

For Figures 24, 25, and 26. Page 30

Residential Stove Installation Only:

Reduced Parallel and Reduced Corner Clearance,
See Requirement #4, Page 29

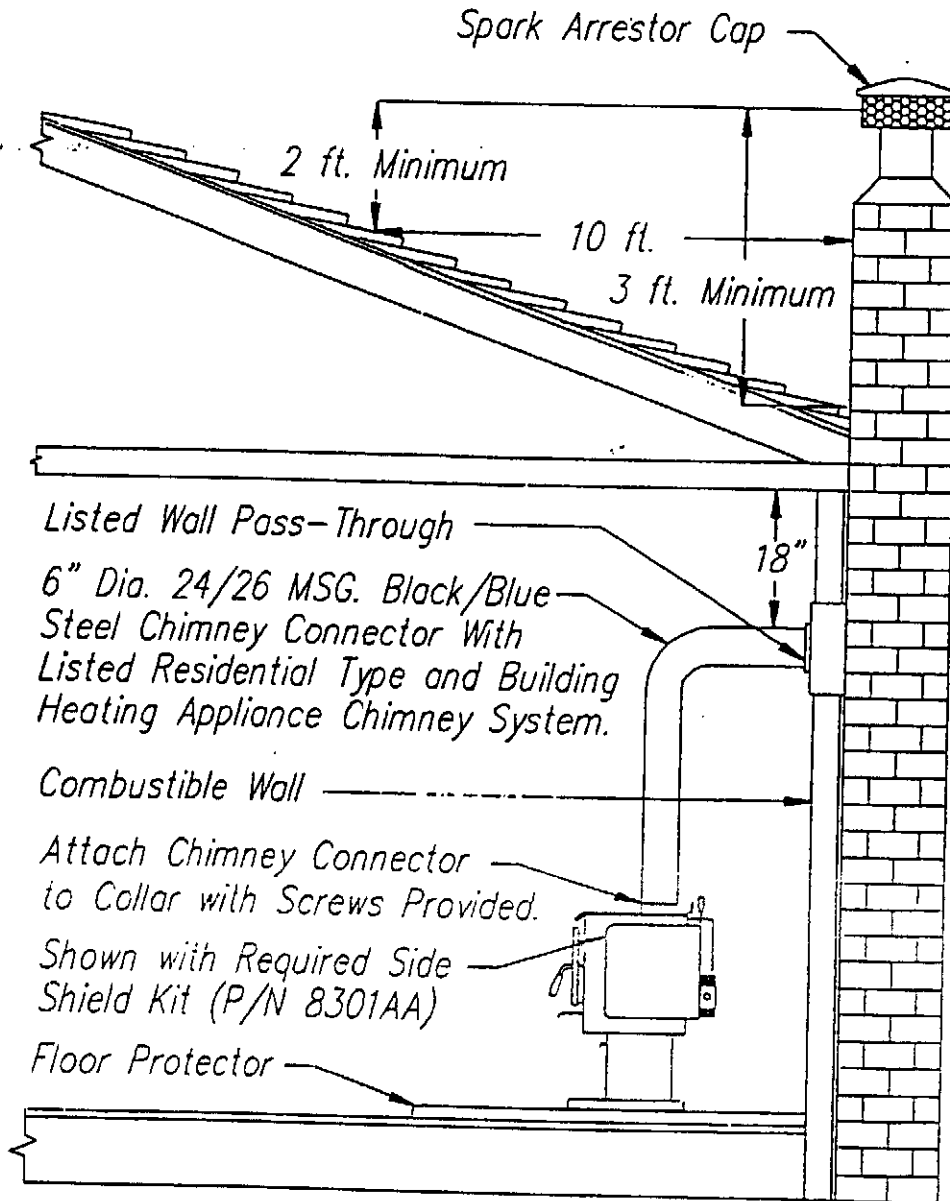


FIGURE 29. Residential Installation Using Listed Prefabricated Chimney System

D. MOBILE HOME (FIG. 23,30) MOBILE HOME ALCOVE (FIG. 22),
MOBILE HOME CORNER (FIG. 21) AND RESIDENTIAL ALCOVE
FIG. 22) INSTALLATIONS USING PREFABRICATED CHIMNEY
Refer to Page 30, Fig. 21, 22, 23 and Fig. 30 on Page
38.

NOTES:

1. For MOBILE HOME installations, use these instructions with Mobile Home Kit #8340AA and Insulated Pipe components (Table 2, page 39). The use of components, other than those specified, is not allowed.
2. For MINIMUM CLEARANCE residential alcove installations, use these instructions, Alcove Kit #8339AA and Insulated Pipe components (Table 2, page 39). The Outside Air Kit is not required for residential alcove installations.

WARNING - DO NOT INSTALL IN SLEEPING ROOM

CAUTION - THE STRUCTURAL INTEGRITY OF THE MOBILE HOME FLOOR,
WALL AND CEILING/ROOF MUST BE MAINTAINED.

1. Set floor protector and stove in location for marking holes in accordance with the label and figures of these instructions.
2. Mark the position for the hole in the ceiling and roof using a string and plumb-bob.
3. Check that the intended location will not interfere with floor joists, ceiling joists, or rafters before proceeding further.
4. Mark the positions for the tie down and the hole for the outside air pipe.
5. Move the stove and using a saber saw with a suitable blade, cut a 6-1/2" hole for the outside air pipe and install as per instructions, Page 47. Drill a pilot hole for the tie down.
6. Cut a pilot hole in the ceiling.
7. Cut a hole for the ceiling penetration components and frame in the sides of this hole in both the ceiling and roof. Refer to pipe manufacturers installation instructions. Install the support box. Be sure all options including outside air cap, flange, collar and pipe are installed at this point before putting the stove in its final position.
8. Slide the stove back into position.
9. Install the tie down through the stove base.
10. To install Dura-Vent Close Clearance Connector to the stove, slip the lower end marked by arrow inside the Smoke Collar. Fasten Dura-Vent chimney connector to stove with screws provided. Slide connector up and snap into ceiling support. (Make sure it "snaps" in place.) Refer to the pipe manufacturer's Installation Instructions.
11. Following the Pipe Manufacturer's Installation Instructions, install Dura-Plus chimney system into support box, slip the roof flashing down over the chimney and secure to the roof,

being careful to keep the pipe centered in the opening.
 NOTE: To meet the code, the chimney must extend above the roof at least three feet and two feet above any area of the roof within ten feet of the chimney termination.

12. Install the Outside Air Pipe 4" flex tube.
13. If the OPTIONAL Fan Assembly is installed, the fan motors are equipped with a three-prong (grounded) plug to prevent shock hazard. THIS PLUG SHOULD BE INSERTED DIRECTLY INTO A PROPERLY GROUNDED, THREE-PRONGED RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG. Do not route the power cord in front of or under this heater.

NOTE: In mobile home installations, the stove must be securely fastened to the floor using the tie-downs provided. ALSO, a #8 ground wire must be attached to the stove and an appropriate ground.

ROOF EXIT

For Figures 21, 22 and 23. Page 30
 Residential Reduced Back Clearance & Alcove,
 See Requirement #3, Page 28.
 Mobile Home Parallel, Corner and Alcove,
 See Requirement #5 Page 29.

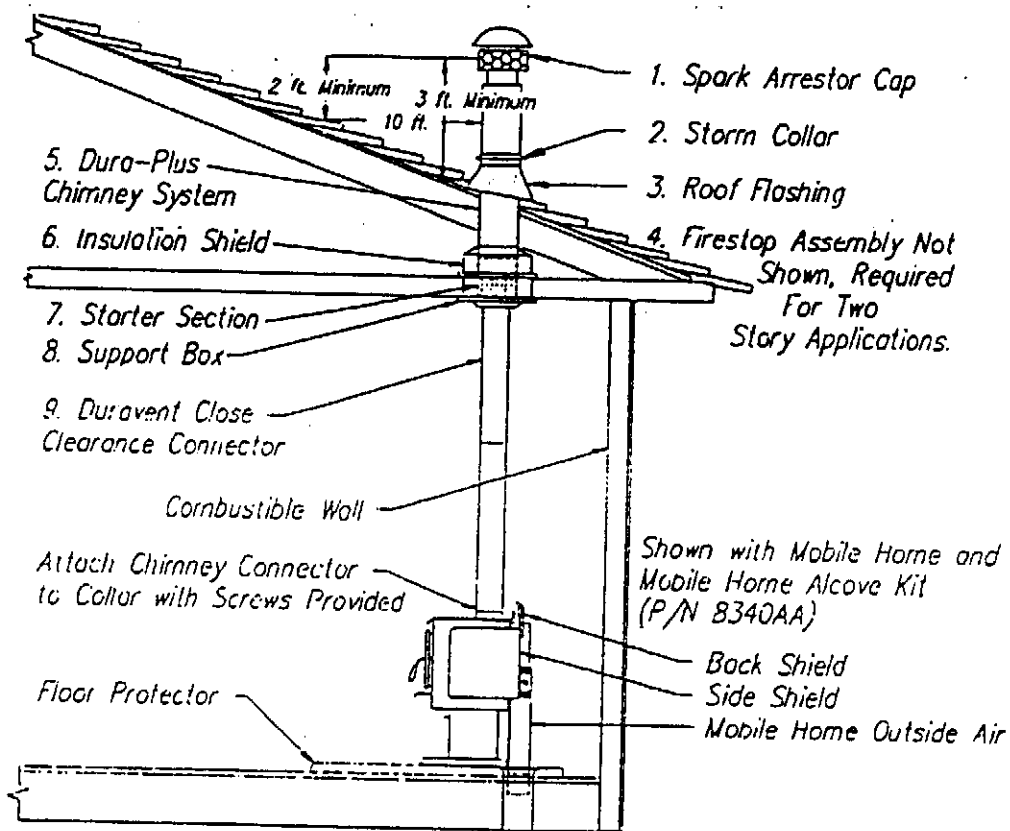


FIGURE 30. Mobile Home and Residential Installations Using a Dura-Plus Chimney System and Close Clearance Connector.

Table 2: Pipe for Mobile Home Installations. Refer to Figure 30.

	Simpson Dura-Plus 6" SDP
1. Cap with Spark Arrester	9084
2. Storm Collar	9059
3. Flashing (Ø/12-6/12)	9049
4. Firestop Assembly (if required)	9044
5. Chimney	9021*
6. Insulation Shield	9046
7. Starter Section	9016
8. Ceiling Support Box	9048
9. Close Clearance Connector	8646 - 48" long 8647 - 68" long Extended length

* = Part number for 24" length is shown.

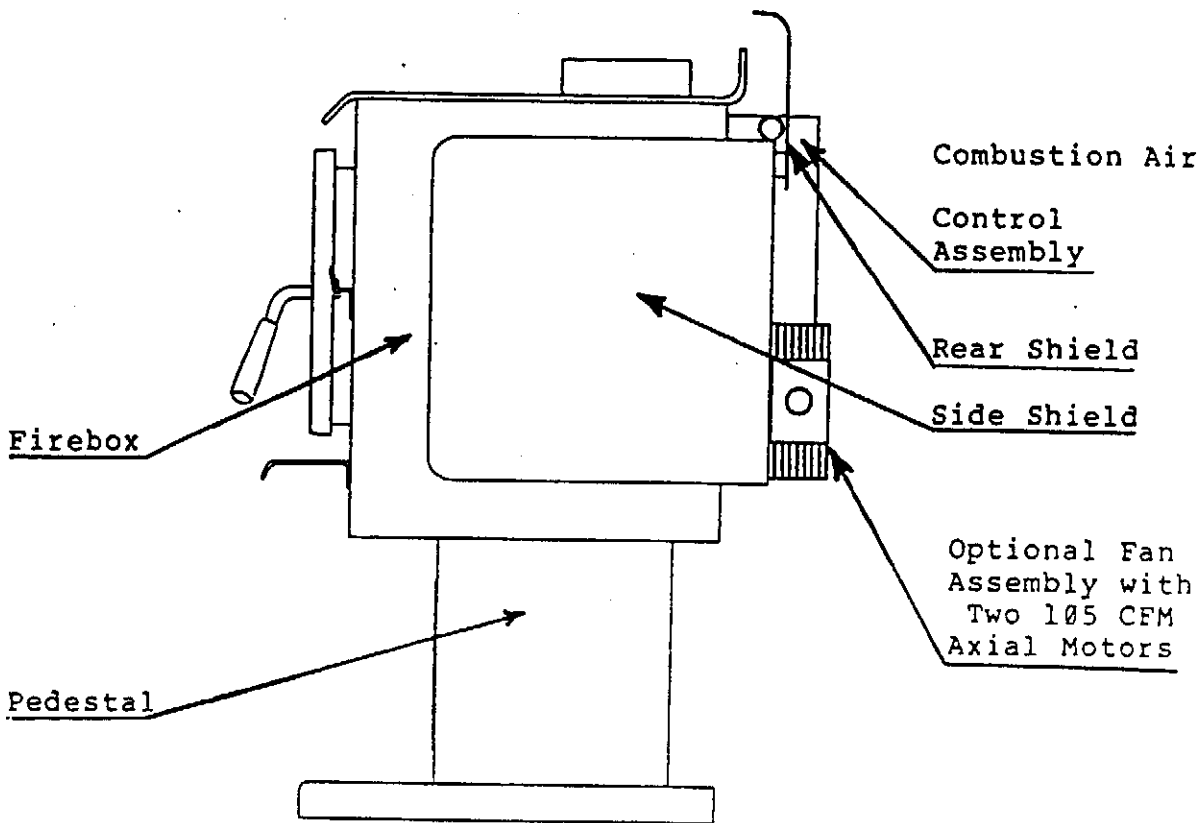


FIGURE 31: Location of Major Components, RGT 3001

P/N 8301AA
SIDE - SHIELD KIT

REQUIRED FOR: MOBILE HOME INSTALLATIONS
RESIDENTIAL WALL EXIT CHIMNEY SYSTEMS
RESIDENTIAL REDUCED CLEARANCE

CHECK LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
2	1	5770AA	Side Shield, Left
3	1	5771AA	Side Shield, Right
4	4	0478AA	Fiber Washers
5	4	0104	#10 x 3/8, Blunt Point Steel Metal Screw

TOOLS NEEDED FOR INSTALLATION

1. 5/16 nut drive - wrench or socket

INSTALLATION

1. Place one of the Side Shields in place on the stove. Be sure that the top and bottom mounts on the back of the stove are both on the inside of the shield.
2. Hold the shield tight on the side of the stove and as far forward as possible. Install the top screw with fiber washer and tighten.
3. Then install bottom screw with fiber washer and tighten.
4. Install the other shield.

NOTE: The illustration is on page 44.

P/N 5775AA
TRIM ON THE SIDE SHIELD - Optional

The trim has protective film installed to keep it from getting scratched in transit. Remove this protective film before burning the stove.

The Side Shield Trim has a hi-temp adhesive strip on the inside. Remove the tape strip on the adhesive and install the trim on the front edge of the side shields.

P/N 8302AA
BACK SHIELD KIT

REQUIRED FOR: MOBILE HOME
 MOBILE HOME CORNER
 MOBILE HOME ALCOVE
 RESIDENTIAL ALCOVE

NOTE: This assembly cannot be installed without the Side Shield Kit #8301AA installed. The Back Shield Kit is mounted to the Side Shield Kit.

CHECK LIST

ITEM	QTY	PART #	DESCRIPTION
1	1	0143	1/4-20 nut
2	2	0370AA	#10 x 10-1/4" Quadrex Screw
3	2	0656AA	1/4" I.D. x 1" O.D. x 1/2" thick white teflon washer
4	1	0657AA	Handle Extension (Tap End Stud 1/4-20 x 3")
5	1	5773AA	Back Shield
6	1	5791AA	Thermostat Control Indicator

TOOLS NEEDED FOR INSTALLATION

1. Phillips or square drive screwdriver.
2. Plier or small vice grip.

INSTALLATION

1. Remove the wood handle from the thermostat control rod. (Use in step #5)
2. Pull the thermostat control rod as far toward the outside of the stove as it will go (lowest setting).
3. Start the nut on the handle extension and, from the right side, push the extension through the center hole by the thermostat control indicator.

4. Position thermostat control indicator over the control rod shaft. With the pliers, tighten the nut on the shaft to hold the indicator in position. Be sure the indicator is positioned just above the thermostat label on the back of the stove.
5. Tighten the handle extension in a straight line with the control rod.
6. Install the wood handle on the handle extension.
7. Install the Rear Heat Shield with the two 1/2" white teflon spacers between the Side Heat Shields and the Rear Heat Shield.

NOTE: The 1/2" spacers must be used for air circulation.
See illustration on page 45.

P/N 8310AA
FAN KIT

Optional: All Installations

Standard RGT Fan Assembly - Uppco, model 50-T
with insulated spade type connectors

Alternate RGT Fan Assembly - Bomax model 904-4999
with "push-in" connectors on the motor coil

NOTE: Fan Kit must be installed with Side Shield Kit #8301AA

CHECK LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	0104	10X3/8" Hex Head Screw
2	1	8310A	RGT Fan Assembly
3	1	0149AA	#3305 Cable Clamp

TOOLS NEEDED FOR INSTALLATION

1. Square (Robertson) screw driver.

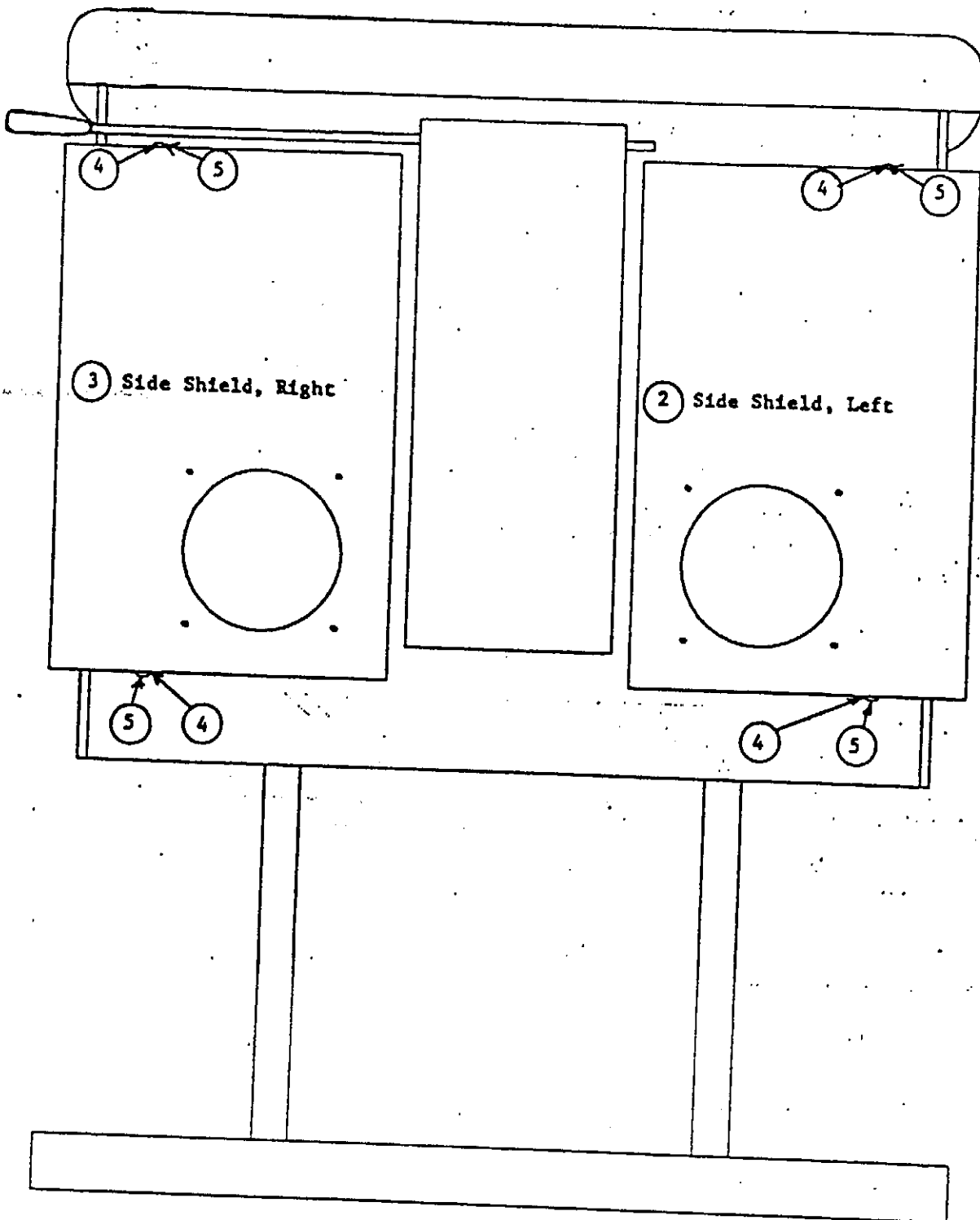
INSTALLATION

See illustration on page 46.

1. The Fan Assembly is pre-assembled at the factory.
2. Install with the screws provided.
3. Turn blades and make sure they do not rub the side of the hole. An adjustment can be made by slightly bending the fan mounting legs.
4. Install the #3305 cable clamp over the motor cord that connects the two motors together. Be sure the flat side of the clamp is toward the stove with the mounting hole UP. Secure to the main Air Intake cover with the screw provided.

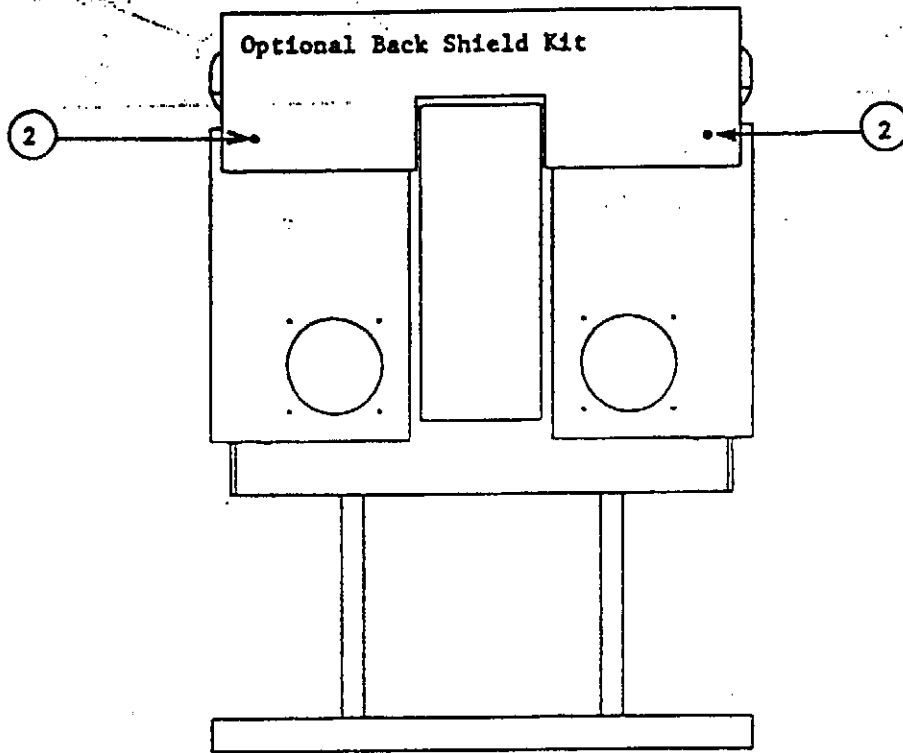
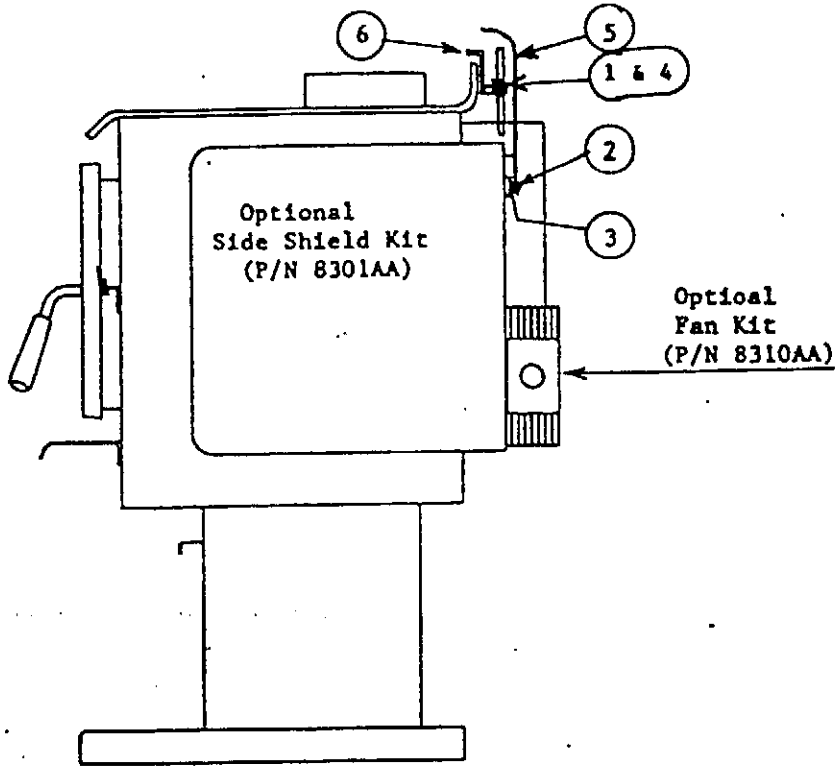
ELECTRICAL CONNECTION

Your Royal Guardian fan kit is equipped with a three-prong (grounded) plug to decrease shock hazard. THIS PLUG SHOULD BE INSERTED DIRECTLY INTO A PROPERLY-GROUNDED, THREE-HOLE RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG. Do not route the power cord in front or under the stove.



Side Shield Kit

Figure 32



Back Shield Kit

FIGURE 33

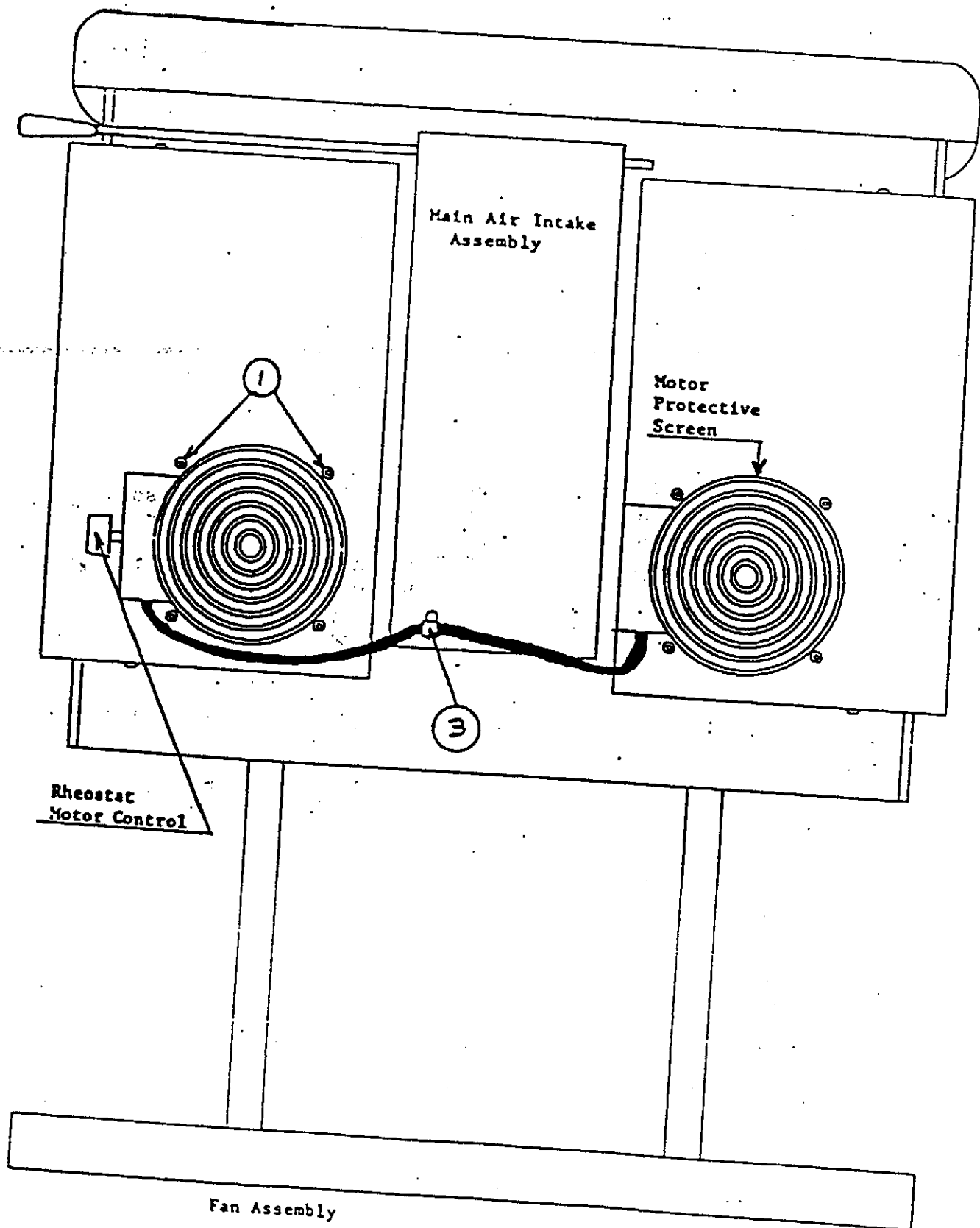


FIGURE 34

OUTSIDE AIR KIT - P/N 8300AA
 REQUIRED FOR: ALL MOBILE HOME INSTALLATIONS
 OPTIONAL: ALL RESEDENTIAL INSTALLATIONS

PRODUCT INSPECTION:

First, remove all packaged parts from the box and inspect them. Examine the pieces to see that there is no damage caused by shipping. Should any part be missing or damaged, contact your dealer. See CHECK LIST below.

CHECK LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1.	9	Ø1Ø4	#1Ø x 3/8" Blunt Point Sheet Metal Screw (3-cap, 3-flange, 3-pipe)
2.	4	Ø1Ø6	1/4" x 3/4" Sheet Metal Screw
3.	1	Ø639AA	4" Outside Air Flex Hose (4" flexible ducting)
4.	1	Ø164AA	Outside Air Hose Clamp (4" hose clamp)
5.	1	Ø513AA	1/4" x 3" Lag Screw **
6.	1	8317A	Outside Air Cap & Collar Assembly
7.	1	8318A	Outside Air Flange & Collar Assembly
8.	1	Ø649A	Outside Air Pipe
9.	1	Ø1Ø7	3/8" Flat Washer (use with 1/4"x3" lag screw) **

TOOLS NEEDED FOR INSTALLATION

- 1/4" or 3/8" drill motor
- Saber saw
- Saber saw wood & metal blades
- 5/16" Nut Driver or Wrench
- 7/16" Wrench
- Small tube of Hi-Heat Silicone

OUTSIDE AIR SUPPLY

The Outside Air Inlet Hose is a flexible tube which can be bent to bring outside air for combustion into the stove from outside the residence, through the wall or up through the floor. The Flexible tube will allow some adjustment over or around floor joists or plumbing. DO NOT CHANGE THE STRUCTURAL INTEGRITY OF THE FLOOR. This air hose must be kept open at all times to provide outside air for combustion.

INSTALLATION

- Set floor protector and stove in location for marking holes in accordance with the dimensions listed on the label and figures of these instructions.
- Check that the intended location will not interfere with floor joists, ceiling wiring or plumbing.
- Mark the positions for the tie down and the hole for the outside air pipe (Item 8). **
- Move the stove and using a saber saw with a suitable blade, cut a 6-1/2" hole for the outside air pipe. Drill a pilot hole for the tie down. **
- Install the Outside Air Cap on the bottom of the Main Tube with three #1Ø x 3/8" screws (Item 6).

6. Install the Outside Air Pipe to the Outside Air Flange and Collar (Items 7 & 8) with three #10 x 3/8" Sheet Metal Screws.
7. Install the Outside Air Pipe through the floor. Drill pilot holes and attach the Outside Air Flange to the floor with four 1/4" x 3/4" screws.
8. Position the stove in its intended location. Secure to floor with one 1/4" x 3" Lag screw (Bottom center of base).**
9. Attach the Outside Air Hose to the Outside Air Cap with the Outside Air Hose Clamp. Push the other end of the Outside Air Hose into the Outside Air Flange and seal with high temperature silicone.

** (Not required for residential installations)

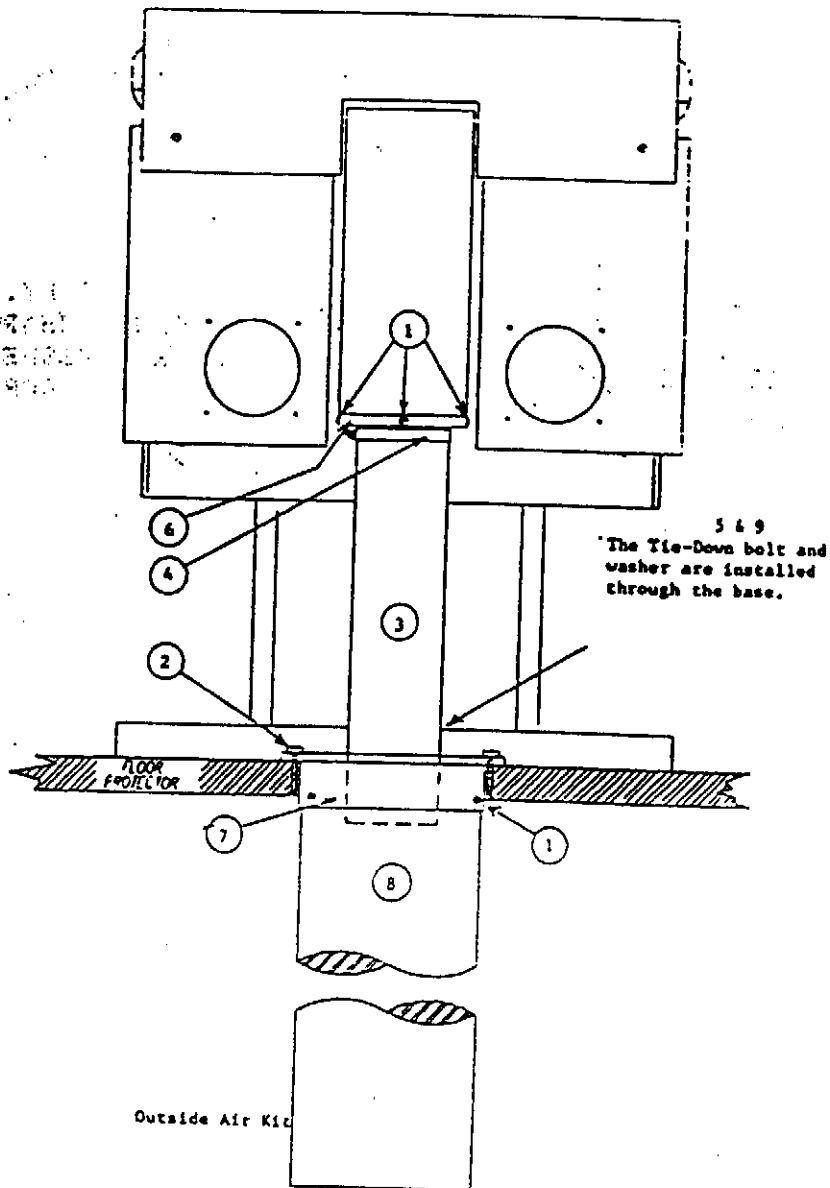


FIGURE 35

***** SECTION 9 - OPERATION *****

Your stove's performance (including its efficiency, pollutant emission level and service lifetime) depends largely on how it is operated. You, then, are the most important factor affecting performance. Read these operation instructions carefully.

BEFORE PROCEEDING FURTHER, be sure to read the following

SAFETY INFORMATION: Section 4, pages 6-9.
INSTALLATION CLEARANCE INFORMATION: Section 6, pages 28 & 30.
FLOOR PROTECTION INFORMATION: Section 8, pages 28 & 30.

WARNING - PROVIDE ADEQUATE AIR CIRCULATION

It is essential that a source of fresh air for combustion be provided at all times when this woodstove is in operation. In extremely tight houses, partially open a window near the woodstove or install an Outside Air Kit.

FUEL

THIS WOODSTOVE IS FOR USE WITH SOLID WOOD FUEL ONLY. NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS HEATER. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IT IS IN USE.

Do not burn materials soaked in flammable liquids, trash, garbage artificial or paper logs, plastics, gift wrappings, coal, charcoal, naphtha, engine oil, chemical cleaners, chemical fire starters, treated or painted wood, saltwater driftwood, railroad ties, plywood, particle board. Do not burn sawdust, wood shavings or chips in this woodstove.

When selecting wood for the Model RGT-3001, it is preferable that you use seasoned wood. Dry, seasoned wood will burn cleaner and produce less creosote. Dry or small pieces of fuel will provide a hotter fire. Larger pieces can be used to provide a longer burn time.

The wood for the Model RGT-3001 should be cut to lengths that are not more than 18" long; while 18" lengths will fit, 16" lengths are much preferred.

CAUTION: Do not place wood fuel within the space heater installation clearances or within the space required for fueling and ash removal.

CAUTION: Do not overfire. If heater or chimney connector glows, you are overfiring.

STARTING A FIRE IN YOUR Model 3001.

NEVER USE A GRATE IN THIS WOODSTOVE.
Never use a grate or other method of supporting the firewood in this woodstove. Build the fire directly on the firebox hearth bricks.

1. Initial start-up.
Use only dry, well seasoned fuel, which has been cut, split and stacked for a minimum of six months.

2. SET THE COMBUSTION AIR CONTROL LEVER.
Move the lever in the direction of the warmest setting.

3. Opening the loading door.
Open the Loading Door by lifting the loading door handle up to release the door latch.

CAUTION: Do not operate this stove if the door glass is cracked or broken. To replace broken glass, see page 56.

4. Starting the fire

Place several balls of newspaper near the FRONT of the firebox and put a fairly large quantity of dry kindling on top of the paper. Next, lay two or three pieces of wood on top of the kindling. Load the wood in a side-to-side orientation with the ends of the logs toward the sides of the stove. Light the paper, partially close the Loading Door so that the latch touches the stove, but do not latch it. Allow the kindling and most of the larger logs to get started, then latch the Loading Door.

If you close the loading door too soon, a new fire may go out. NEVER LEAVE ANY WOODSTOVE UNATTENDED WHEN THE DOORS ARE NOT TIGHTLY CLOSED!

The first fire should be long and MEDIUM-HOT to cure as much of the firebox paint as possible.

5. Loading the firebox
When the larger wood pieces are well started, open the Loading Door and completely load the firebox. Close and

latch the Loading Door. Do not abuse the glass door by slamming it or striking it. Do not force the door closed if there is wood in the firebox that is obstructing it.

Let the fire burn on MEDIUM to HIGH for 20-30 minutes, or until the fire is well established. Then you may adjust the thermostat to achieve the desired room temperature. See Combustion Air Control Adjustments.

COMBUSTION AIR CONTROL - OPTIMUM SETTING AFTER LOADING OR RELOADING

1. Position.

Leave the combustion air control in the Medium to High position for at least fifteen minutes before making further adjustments.

2. Temperature adjustments.

Adjustments to achieve the desired room temperature should be made in small increments for the most effective clean-burning operation. Even a small change may increase emissions slightly for 10-15 minutes. Changes should be made as few times each day as possible.

3. Tampering.

The combustion air control is adjusted at the factory and should not be tampered with.

FAN OPERATION (Optional)

If you have the Optional Fan Assembly installed, wait 30 minutes before you turn on the fans to begin circulating the warm air into the room. Use a LOW speed setting when the stove is set for a low burn and a higher speed setting with hotter fires.

DISPOSAL OF ASHES

WARNING

NEVER STORE HOT ASHES IN A GARAGE OR BASEMENT. HOT ASHES WILL GENERATE CARBON MONOXIDE AND/OR FLAMMABLE GASES. THESE GASES MAY CAUSE SUFFOCATION.

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

RELOADING THE FIREBOX

1. Maintaining an efficient fire.

A bed of hot coals is the most important requirement for keeping an efficient fire. A bed of hot coals will help the stove maintain a more even temperature as well as getting the new load of wood started easily. Let each full load burn down to a coal bed before reloading. Many new woodstove users hesitate to load enough wood to sustain a fire, fearing that a full woodstove automatically means a hot fire. The combustion air control, set at the lowest air control setting, permits a low fire even with the firebox full. Maintaining a clean burning low fire is easier with a partial load of wood. For medium and high burn rates, a full load of wood may be used.

Four 6" diameter logs may burn up to 8 hours. This will vary considerably for many reasons, including type of wood, how well the wood is "seasoned", the air control setting, the position of the stove in the house, and how well the house is insulated.

2. Set the Combustion Air Control Knob to the warmest setting.

3. Open the Loading Door

WARNING

ALWAYS OPEN THE DOOR LATCH AND ALLOW THE FIRE TO BUILD UP SLIGHTLY BEFORE FULLY OPENING THE LOADING DOOR. IF THE LOADING DOOR IS OPENED TOO FAST, THE SUDDEN INTRODUCTION OF AIR CAN CAUSE THE FIRE TO FLARE AND DISCHARGE SMOKE AND FLAME INTO THE ROOM. SUCH A DISCHARGE CAN BURN PERSONS WHO ARE NEAR THE WOOD-STOVE.

4. Load The Firebox.

Rake the bed of hot coals to the FRONT of the firebox BEFORE putting the new fuel load in the stove. To allow combustion air to flow under and around the fuel, make a trench in the coal bed, from front to back, in the exact center of the coal bed. The bottom of the coal bed trench must be lower than the air jet hole just inside the bottom of the firebox door. If anything blocks the air jet, poor ignition and improper burning will result. FULLY LOAD THE FIREBOX. Put the wood in the firebox in a side-to-side orientation with the ends of the logs toward the sides of the stove. The firebox will easily accept logs up to 16".

5. Close the Loading Door

Close the Loading Door and latch it. Do not abuse the glass door by slamming it or striking it. Do not force the door closed if there is wood in the firebox that is obstructing it.

6. Combustion Air Control Adjustment.

Leave the air control in the fully open position (the warmest setting) for 15 minutes, (or until the fire is well established) before making further adjustments. Turning down the thermostat too soon may cause creosote formation in the chimney. Once the fire is well established, adjustments may be made for a low, medium or high fire, depending on heat needs of the home.

For a low fire, (11,000 to 15,000 btu/hour) getting the fire well established is particularly critical. If the wood being used is not well seasoned, it may be necessary to leave the air control setting in the fully open position for much longer than 15 minutes to assure a clean, low burn. When the fire is burning well on high, reset the air control in steps to medium, then lower, over a 5-10 minute period. Watch the flames in the top of firebox. Try to keep a good flame pattern just under the secondary air diffuser at all times. When there is no flame pattern in the top of the firebox, the stove is less efficient (produces less heat from a load of wood) and burns less clean (makes and deposits more creosote in the chimney system). When starting a low fire, do not turn the fans on for the first 30 minutes. After 30 minutes, the fans may be turned on.

For a medium burn (16,000 to 22,000 btu/hour) leave the air control set at high for 15 minutes, or until the fire is well established. Then move the air control to the medium setting. Watch for a flame pattern in the top of the stove when that flame is out the stove is less efficient and burns dirtier. When starting a medium fire, turn the fans on low to medium, depending on the heat needs of the home.

For a high fire (23,000 to 35,000 btu/hour) the air control setting may be left on high at all times. The fans may be turned on medium to high at any time during the burn cycle.

ASH REMOVAL

The ashes should be removed any time they come within one inch of the door's lower sill. A thick bed of ashes will significantly limit the amount of wood you can get in the firebox. Wood burns best in a bed of ashes 1/2 inch to one inch thick. It is not necessary or advisable to completely remove all of the ashes when cleaning this woodstove.

***** SECTION 10 - MAINTENANCE *****

AUTHORIZED SERVICE REPRESENTATIVE

Your local BLAZE KING dealer is your authorized service representative. Should you have any problems with operating or maintaining your BLAZE KING Model 3001, contact him as soon as possible. The dealer will help you solve operating problems, provide replacement parts, and/or arrange warranty service repairs as required. Dealers will need information such as model, serial number, date of purchase, and a summary of the problem.

**CREOSOTE and SOOT
FORMATION**

1. When wood is burned slowly, it produces tar and other organic vapors which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire.

The chimney connector and chimney should be inspected at least twice each month during the heating season to determine if a creosote buildup has occurred. If creosote has accumulated it should be removed to reduce the risk of a chimney fire.

2. The design of the Model 3001 should reduce the accumulation of creosote to a low level if it is operated properly (see Operation Instructions, Section 9, page 49). Even so, some creosote will eventually accumulate and must be dealt with. The frequency of start-up operations and the temperatures at which the stove is usually operated will affect the rate of accumulation. If significant creosote buildup occurs, re-examine your fire-building and burning procedures. Consult the troubleshooting guide at the end of these instructions.

REMOVAL

1. The chimney connector and chimney should be inspected at least twice each month during the heating season to determine if a creosote or soot buildup has occurred.
2. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire. Hire a chimney sweep, or clean the chimney yourself with a tight-fitting chimney brush. Makeshift equipment - hoses, tire chains, etc. - can damage the flue and/or do an unsatisfactory cleaning job. The stove should also be inspected at this time and cleaned if needed.
3. To inspect and clean the chamber inside the stove, allow the fire to go out and the stove to cool down. Remove the first section of pipe above the stove and inspect the area immediately below the flue exit. Clean with a vacuum cleaner. Remove as much creosote and fly ash as possible from the area around the 2" x 4" Air Intake Transfer tube. Heavy accumulations of creosote and ash in this chamber, if not removed, may ignite and cause a very intense fire which could structurally damage the stove.
4. Re-install the first section of pipe to the stove. Refer to the Installation Instructions.

LOADING DOOR GASKET MAINTENANCE

Safe and efficient operation of any airtight woodstove depends greatly on the integrity of the gaskets. Check the loading door gasket at the beginning of the heating season and at least twice during the heating season. When the gasket is frayed or no longer seals, it must be replaced (see your dealer for P/N 0635AA). Inspect the gasket for physical deterioration, missing sections or obvious leakage. To check the gasket further, insert a piece of paper into the door opening and close and latch the door. Obvious resistance should be felt when pulling the paper out. Repeat this check several times around the perimeter of the door.

REPLACING THE DOOR GASKET

1. If the door gasket is to be replaced, be sure you have a replacement part (#0635AA) ready to re-install. See your Blaze King dealer.
2. Be sure the fire is out and the stove has cooled down. The door does not have to be removed from the stove.
3. With a pair of pliers, pull the old door gasket out of the channel and dispose of it.
4. Clean out the channel so the new gasket can fit smoothly.
5. Run a small bead of a high temperature silicone adhesive (such as G.E. Silicone Sealer, or the equivalent) along the center of the channel.
6. Start the new gasket in the lower right corner. Do not stretch or cut the gasket. Distribute the gasket evenly around the frame.
7. Close the Loading Door and allow the adhesive to dry.
8. Check the fit of the door gasket. Insert a piece of paper into the door opening and close and latch the door. Obvious resistance should be felt when pulling the paper out. Repeat this check several times around the perimeter of the door.

CLEANING THE GLASS

While the glass may coat during a low (overnight) burn, adjusting the thermostat to the warmest setting after reloading each morning will usually allow the glass to clean. Heavier deposits may require hand cleaning. Manual glass cleaning should be done when the stove and glass are cool. DO NOT CLEAN THE GLASS WHILE IT IS HOT. Use a soft cloth and Blaze King Glass Cleaner, available from most Blaze King dealers. Other NONABRASIVE household cleaners may also work. After using any cleaner, thoroughly rinse the glass with water to remove any deposits left by the cleaner. Failure to remove all traces of glass cleaner will result in the glass cleaner residue baking on. This residue will be very difficult to remove.

LOADING DOOR GLASS REPLACEMENT

Your BLAZE KING Model 3001 is equipped with a door which uses a strong, heat-resistant ceramic glass intended to withstand extremely high temperatures and tested for continuous use above 1200 degrees Fahrenheit. However, this glass can be broken through improper use. If glass replacement becomes necessary, use only BLAZE KING P/N 0257AA. DO NOT SUBSTITUTE ANY OTHER MATERIAL FOR THIS PURPOSE.

WARNING

BROKEN DOOR GLASS IS SHARP. ALWAYS WEAR EYE PROTECTION AND PROTECTIVE GLOVES WHEN HANDLING GLASS. DISCARD THE GLASS IN A CLOSED CONTAINER INACCESSIBLE TO CHILDREN.

1. Allow the fire to completely burn out and the stove to cool down.
2. Retain all parts for re-installation.
3. Open the door and remove the twelve (12) #10 x 3/8" screws holding the six retainers to the inside of the door.
4. Remove the damaged glass and the old glass gasket.
5. The replacement glass has the gasket installed on it's outer perimeter. Place the glass in the door frame. Be sure the words "Blaze King" etched in the glass reads correctly when the door is closed.
6. Install the retainers with the 10 x 3/8" round head screws.

CHIMNEY DRAFTS

If you suspect a draft problem in an existing chimney, determine the draft by using a water manometer (draft gauge). The draft should be measured with the stove at medium burn. After the measurement is completed, fill any holes that were made to take the reading by using a sheet metal screw of proper size. The draft should measure between .02" and .10" of water. If the draft is outside these limits, the stove may not operate properly. Drafts below .02" will cause excessive smoke spillage, incomplete combustion and fire start-up problems. A draft near the upper limit will contribute to the door glass staying clean.

OPTIONAL FAN ASSEMBLY

Routine maintenance of the OPTIONAL Fan Assembly on the back of the stove is not required. However, should it become necessary to replace the Fan Assembly, order Part #8310AA from your local dealer.

RHEOSTAT REPLACEMENT

1. Unplug the fan power cord from the wall.
2. Remove the four screws on the fan cage containing the rheostat switch.
3. Remove the Blower from the cage, DO NOT DISCONNECT THE WIRES; locate the two wires coming from the rheostat switch.
4. Unplug the two wires from the rheostat switch.
5. Pull the knob straight off the switch.
6. Unscrew the nut holding the switch to the cage.
7. Replace the switch with the same model.
8. To reinstall the switch, reverse the above steps being sure to tuck the wires back into the assembly so they do not come in contact with the fan blade.

REPLACING THE SECONDARY AIR DIFFUSER

If it is necessary to replace the Secondary Air Diffuser, proceed as follows:

1. Obtain a replacement Secondary Air Diffuser (Part #8308BB).
2. Allow the fire to go out and the stove to cool down.
3. Remove all of the brick from the firebox and clean out the ashes. Remove two nuts on back of stove from the Diffuser.
4. From inside the stove, pull the Secondary Air diffuser straight toward the front of the stove (about 1") until the front clip allows it to drop free. WARNING: there are four bricks ON TOP OF the diffuser. When released from the front clip, the diffuser is unexpectedly heavy.
5. Lower the Air Diffuser into the firebox and remove the bricks.
6. Pivot the Secondary Air Diffuser until it can be removed from the firebox.
7. Install the new Secondary Air Diffuser. Replace the four firebricks on top of the diffuser, and lift it into position. Position the back of the diffuser so the two tabs on the back of the diffuser fit into the rectangular hole in the top back of the stove, push the front up, and slip the front clip into position.
8. Replace the nuts on the two bolts on the back of stove.
9. Reinstall the firebrick in the firebox.

***** SECTION 11 - TROUBLESHOOTING *****

Your Blaze King, Model RGT-3001 is designed to allow a wide selection of heat output levels. If you begin to lose control of the amount of heat the stove is emitting, determine the problem early so that major problems can be avoided.

The four major needs of a well-controlled fire are:

1. Knowledgeable operator.
2. Adequate air supply.
3. Firewood of good quality and proper size.
4. Clean chimney, properly sized and installed.

Considering all of the above, number one is the most important for the safe and efficient operation of any woodstove. Please study the operation instructions carefully (Section 9, beginning page 49). Consult your BLAZE KING dealer or call the Customer Service Department at Woodcutters Mfg., Inc. (509-529-9820) if you have any questions not answered in this manual.

All of the four above-mentioned needs are interrelated. A deficiency in any one will effect all of the others. If you encounter a problem, determine the source of the problem and then follow-up by checking the other needs for possible problems.

PROBLEM: Chimney fire.

CAUSE
Act immediately regardless of cause.

SOLUTION
Adjust Combustion Air Control to lowest setting, check loading door to be sure it is tightly closed.
Call Fire Department

After the fire is out, have your chimney and flue connector inspected by a certified chimney sweep. A masonry chimney that is damaged should be repaired or rebuilt. A prefabricated chimney (factory built) that is damaged should be replaced. Any damage to the flue connector should be corrected before the system is used again.

Possible causes for a chimney fire, and remedies for those causes, can be found further in this section: "Excessive Creosote Formation", and "Spots of Creosote Accumulation in Chimney or Flue Connector".

***** SECTION 12 - REPLACEMENT PARTS *****

Listed below are some of the more commonly needed replacement parts.

ITEM	PART#	NOTES
Thermostat Handle	0481BB	
Door Handle	0121AA	
Spray Paint		Aerosol Can 13 oz. (specify color)
	0515AA	Charcoal #6201
	0527AA	Golden Fire
		Brown #6230
	0524AA	New Sky Blue #6194
	0128	Satin Black #1990
	0635AA	Metallic Blue #0528A
	0498AA	
Door Gasket	8341AA	
Rheostat Knob	5775AA	
Door Glass Replacement Assembly	8300AA	
Side Shield Trim	8304AA	
Outside Air Kit	8302AA	
Side Shield Kit	8309AA	
Back Shield Kit	8310AA	
Fan Screen Assembly		
Fan Kit		

***** SECTION 13: Index of Sections, Tables and Illustrations

SECTION	PAGE	ITEM
1	1	Cover
	2	Introductory Letter
2	3	Warranty
3	4	Definitions
4	6	Safety
5	10	Specifications
6	11	Installation Preparation
	13	Clearance Kits And Optional Accessories
7	14	Reduced Wall Clearances
8	16	Installation
	28	Minimum Clearances to Combustible Surfaces
	31	Residential Standard/Reduced Roof Exit Installation
	33	Residential Reduced Clearance Wall Exit Inst.
	35	Residential Reduced Clearance Wall Exit Masonry Chimney Installation.
	37	Mobile Home and Alcove Installation
	40	Side Shield Kit
	41	Trim on Side Shield
	41	Back Shield Kit
	43	Fan Kit
	47	Outside Air Kit
9	49	Operation Instructions
10	54	Maintenance Instructions
11	58	Troubleshooting
12	62	Replacement Parts

TABLE	PAGE	DESCRIPTION
1	28	Minimum Clearances to Combustible Surfaces
2	39	Pipe for Mobile Home Installations

FIGURE	PAGE	ILLUSTRATION
21-26	30	Clearance Diagrams
27	32	Residential Installation with Prefabricated Chimney System
28	34	Residential Installation with Prefabricated Chimney System
29	36	Residential Installation Using Prefabricated Chimney System and Exterior Masonry Chimney
30	38	Mobile Home and Residential Installation Using Dura-Plus Chimney and Close Clearance Connector
31	39	Location of Major Components
32	44	Side Shield Kit
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34	46	Fan Kit
35	48	Outside Air Kit
36	50	Combustion Air Control Label

BLAZE KING, Royal Guardian, Model RGT-3001
OWNER'S INSTALLATION AND OPERATIONS MANUAL

SAFETY NOTICE

IF THE BLAZE KING, Royal Guardian, Model RGT-3001, STOVE IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESULT. FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS. CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.

THIS STOVE MUST BE CONNECTED TO A LISTED HIGH TEMPERATURE RESIDENTIAL TYPE AND BUILDING HEATING APPLIANCE CHIMNEY OR AN APPROVED MASONRY CHIMNEY WITH FLUE LINER.

IMPROPER ASSEMBLY, INSTALLATION, MAINTENANCE OR OPERATION OF THIS APPLIANCE CAN CAUSE DAMAGE TO PROPERTY, SERIOUS INJURY OR DEATH. READ THESE INSTRUCTIONS.

This unit certified by the United States Environmental Protection Agency, certificate number 168. Certified to comply with July, 1990 particulate emissions standards.

SAVE THESE INSTRUCTIONS

OM-04C

BLAZE KING INDUSTRIES
P.O. BOX 367
College Place, WA 99324