OWNER'S INSTALLATION AND OPERATION INSTRUCTION BOOK

Blaze® King

WOODSTOVES

BLAZE KING, Top Vent
KT-303 and KTJ-303

BLAZE PRINCESS, Top Vent
PT-203 and PTJ-203

BABY BLAZE KING, Top Vent
BT-503 and BTJ-503

OM-2
10/11/83
RCR

SAVE THESE INSTRUCTIONS

BLAZE KING® WOODSTOVES

BLAZE KING Models KT-303 and KTJ-303
BLAZE PRINCESS Models PT-203 and PTJ-203
BABY BLAZE KING Models BT-503 and BTJ-503

SAFETY NOTICE: IF THIS BLAZE KING® STOVE IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESUL FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS. CONTACT LOCAL BUILDING OR FIRE O FICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.

INSTALLATION AND OPERATION INSTRUCTIONS

You are now the proud owner of a Blaze King® woodstove—the finest, most beautiful woodstove ever introduced in America. It is the desire of Woodcutters Mfg., Inc. that your stove give you a lifetime of trouble-free operation. We suggest that before starting installation you read these installation and operation instructions.

WARRANTY

To register your warranty, fill out the 'Warranty Card' packed with these instructions and return it to the address shown.

Improper installation of your Blaze King® woodstove, or failure to operate it according to the guidelines detailed in these instructions, may negate your warranty and could endanger your home and family.

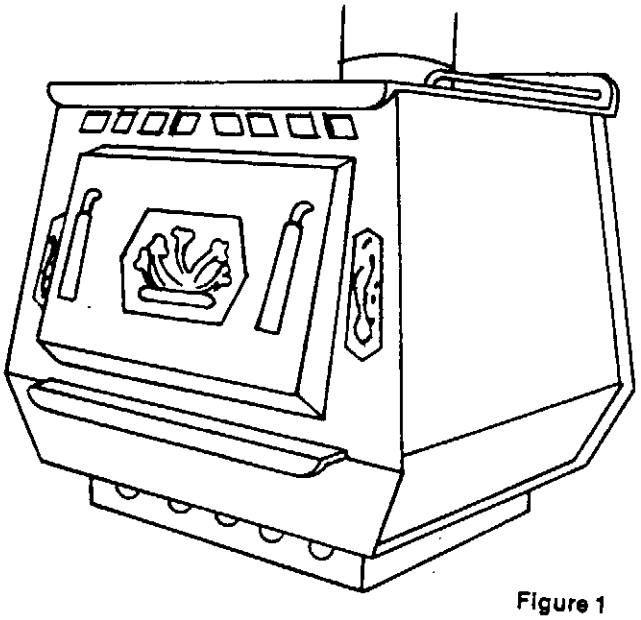


Figure 1

SPECIFICATIONS SUMMARY

MODEL	Width	Depth	Height	Approximate Base Dimensions	Weight	Minimum Floor Protection	Clearance to Combustibles		
							Side Wall	Rear Wall	Corner
KT-303 KTJ-303	30 30	31 34	33 33	20⅞ x 17 20⅞ x 17	345 360	36¼ x 50¾ 36¼ x50¾	24 24	22 22	14 14
KT-303 (mobile) KTJ-303 (mobile)	30 30	31 34	33 33	20⅞ x 17 20⅞ x 17	360 375	36¼ x 50¾ 36¼ x 50¾	20 20	10 10	12 12
PT-203 PTJ-203	27 27	30 33	29 29	18⅞ x 16½ 18⅞ x 16½	245 260	34⅛ x 50 34⅛ x 50	24 24	22 22	14 14
PT-203 (mobile) PTJ-203 (mobile)	27 27	30 33	29 29	18⅞ x 16½ 18⅞ x 16½	260 275	34⅛ x 50 34⅛ x 50	20 20	10 10	12 12
BT-503 BTJ-503	24 24	28 31	27 27	16⅛ x 13¾ 16⅛ x 13¾	210 235	32 x 47 32 x 47	18 18	16 16	18 18
BT-503 (mobile) BTJ-503 (mobile)	24 24	28 31	27 27	16⅛ x 13¾ 16⅛ x 13¾	220 245	32 x 47 32 x 47	16 16	10 10	16 16

PRODUCT INSPECTION

First, remove all packaged parts from your stove and inspect them. Make sure that the stove is complete. Examine the pieces to see that there is no damage caused by shipping. Should any part be missing or damaged, contact your dealer.

CHECK LIST

1. Stove with firebrick installed.
2. Door with gasket material installed.
3. Wood handles.
4. Blower motor and screws (Jet-Air models)
5. Thermostat Knob.
6. Top Rails and nuts.
7. Ceramic rings and screws.
8. Ceramics (Fig. 2)

Figure 2

SOME CAUTIONS

1. Stoves must be vented ONLY to the outside, not to other rooms or buildings.
2. NEVER use a chimney connector or chimney flue smaller than the 8" (6"-BT/BTJ) stove exhaust.
3. NEVER vent your woodburning stove into a 'Class B' gas vent chimney. Check with local authorities to make sure that you are not doing so inadvertently if you are using an existing chimney.

SELECTION OF STOVE LOCATION

Underwriters Laboratories, Inc. listed this appliance only to be connected to suitable masonry chimney or an 8" (6"-BT/BTJ), listed, low heat, prefabricated, metal chimney system and minimum clearances to combustibles are observed. See CHIMNEYS and CHIMNEY CONNECTORS.

WARNING: DO NOT cut ceiling or roof joists without maintaining the structural support of the dwelling. DO check floor joists for proper support of the stove.

For MOBILE HOME INSTALLATIONS:

WARNING: DO NOT INSTALL IN A SLEEPING ROOM.
CAUTION: The structural integrity of the MOBILE HOME floor, wall, and ceiling/roof must be maintained.

CHIMNEYS

There are two major types of stove pipes, insulated and not insulated. Insulated stove pipe and air cooled stove pipe are listed as CLASS A and are actually pre-fabricated chimneys.

Freestanding wood stoves can only be vented into existing chimneys or into a listed, 8" (6"-BT/BTJ), low heat, pre-fabricated, metal chimney system (listed by Underwriters Laboratories, Inc. or other approved laboratory) installed through the ceiling. Horizontal installations are not allowed. Before installation of any wood burning unit to an existing chimney, take care that the chimney is sound. There should not be cracks or holes. Relining or rebuilding may be necessary to make the chimney safe and efficient and bring it into conformity with local codes. UNDER NO CONDITIONS MAY MORE THAN ONE APPLIANCE BE CONNECTED TO A CHIMNEY. A proper chimney is most important for safe, satisfactory operation of any wood heating system.

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

Special methods are required when passing through a wall or ceiling. See chimney manufacturers instructions and local building codes.

Generally, the taller the chimney, the stronger, more dependable the draft. The chimney should be kept warm to enhance the draft. This will also protect against creosote accumulation caused by condensation of water vapor and smoke. A build-up of creosote can reduce the draft and will become a potential fire hazard. See CREOSOTE.

A chimney should extend at least three feet above a flat roof, or at least two feet above any part of the roof within 10 feet. Chimney tops should NEVER be near trees or other tall objects that might cause down-drafts.

CHIMNEY CONNECTORS

CLASS A chimney is not normally required as a chimney connector for residential installations. Generally speaking, heavy duty, single wall, blue and black steel pipe (not less than 24 gage) is used to connect the stove to a masonry or CLASS A factory built, pre-fabricated chimney.

Insulated and not insulated pipe is available from numerous manufacturers. Consult local building codes and fire codes to determine which type of pipe may be safely installed. Ask you local dealer about the availability of types of pipe which meet local codes. See Fig. 3 and Table 1 for approved pipe systems.

The stove collar accepts only 8" (6"-BT/BTJ) pipe. The small end of the pipe fits into the collar to enable any distillates which may form in the chimney to fall back into the stove.

The chimney connector can also be used horizontally as a connection between the stove and masonry chimneys or CLASS A chimneys, provided that the length does not exceed three (3) feet AND THE PIPE SLOPES UPWARD TOWARD THE CHIMNEY AT A RATE OF ¼" PER FOOT. This slope in the horizontal connection is required to facilitate the drainage of creosote deposits back into the stove.

The chimney connector is to be attached to the smoke collar with two screws.

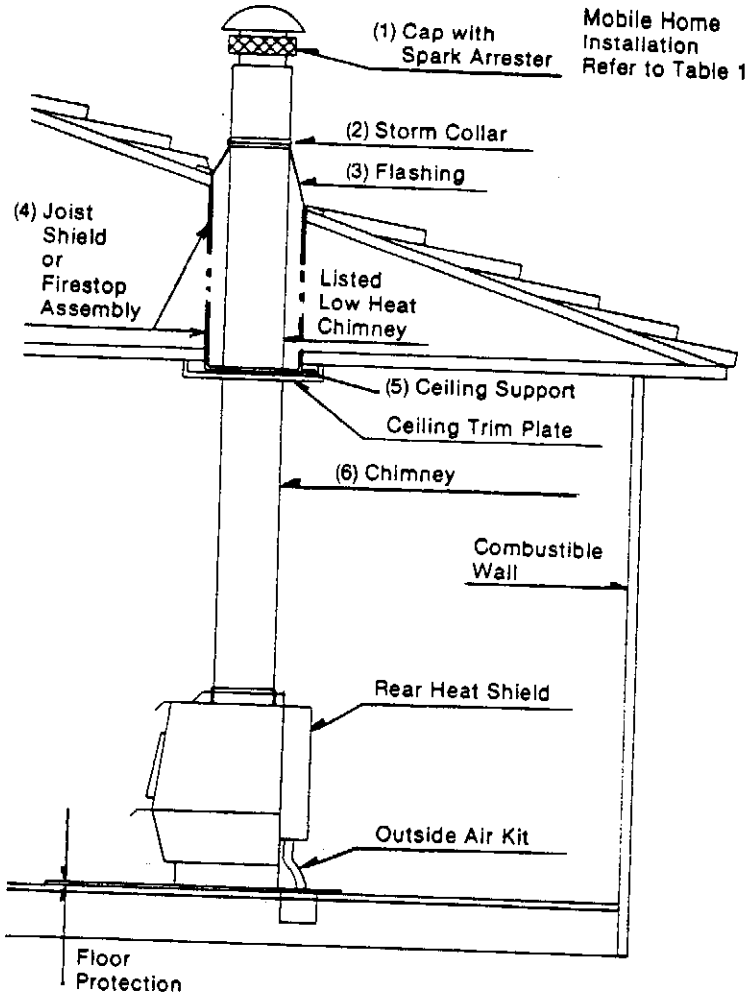


Figure 3

TABLE 1, pipe for MOBILE HOME INSTALLATIONS. Refer to Figure 3.

	AmeriVent	White Metal	Security	Pro-Jet	Metalbestos	Hart & Cooley	Dura-Vent	Dura-Vent DVL
1	8FBRCA 6FBRCA	8W-CA 6W-CA	8CPE 6CPE	RCSA RCSA	8S-CT/8S-SA 6S-CT/6S-SA	8DC 6DC	5278 5078	5278 5078
2	8FBSC 6FBSC	8W-SC 6W-SC		SC SC	8S-SC 6S-SC	8DS 6DS	5259 5059	5259 5059
3	8FBFA 6FBRF	8W-RF 6W-RF	8FMH 6FMH	RF-17 RF-17	8S-AF 6S-AF	8DF/8DTF 6DF/6DTF	5249 5049	5249 5049
4	8BFA 6BFA	8W-FSA 6W-FSA		RRS,CSB RRS,CSB	8S-JS 6S-JS	8DSS/8DPA 6DSS/6DPA		5248B 5048B
5		8W-TC 6W-TC	8RSMH 6RSMH		8S-TC 6S-TC		5261 5061	8889 8689
6	8FB** 6FB**	8W** 6W-**	8L 6L	SL**/GL** SL**/GL**	8S** 6S**	8-DP 6-DP	52** 50**	5221 5021

** = length of pipe sections (i.e. 12", 24", 36")
6" components for BT-503/BTJ-503 only.

INSTALLING THE REAR HEAT SHIELD

Mobile Home and Minimum Clearance Residential installations require the addition of a Rear Heat Shield to maintain the rear wall temperatures within acceptable parameters. The Rear Heat Shield is included in the MOBILE HOME KIT for mobile home installations, or available separately for Minimum Clearance installations. Contact your dealer. DO NOT operate your Blaze King® stove in a mobile home or in any reduced clearance installation without a Rear Heat Shield AND insulated pipe. See Figure 3, 6, 9, and Table 1.

To install the Rear Heat Shield, place it against the back of the stove with the slot for the thermostat shaft centered over that shaft. Mark the positions of the mounting holes on the ends of the Blower Intake Tube, or on the tabs provided for this mounting. The center of these holes will be approximately 5½" down from the top edge of the stove back and approximately 1" out from the stove back. Remove the Rear Heat Shield temporarily. Drill a hole for each of the two mounting screws.

7/32" for KT-303, PT-203, and BT-503.
9/16" for KTJ-303, PTJ-203, and BTJ-503.

Install the Rear Heat Shield with the two ¼ x ¾ hex head sheet metal screws provided.

OUTSIDE AIR SUPPLY

Residential Installations: It is not mandatory that outside air for combustion be used. However, if local codes require it, an Outside Air Kit is available from your dealer.

Mobile Home Installations: For proper installation, it is mandatory that outside air for combustion be used. The Outside Air Kit is included in the Mobile Home Kit.

Note: Install Rear Heat Shield BEFORE using this stove in a Mobile Home.

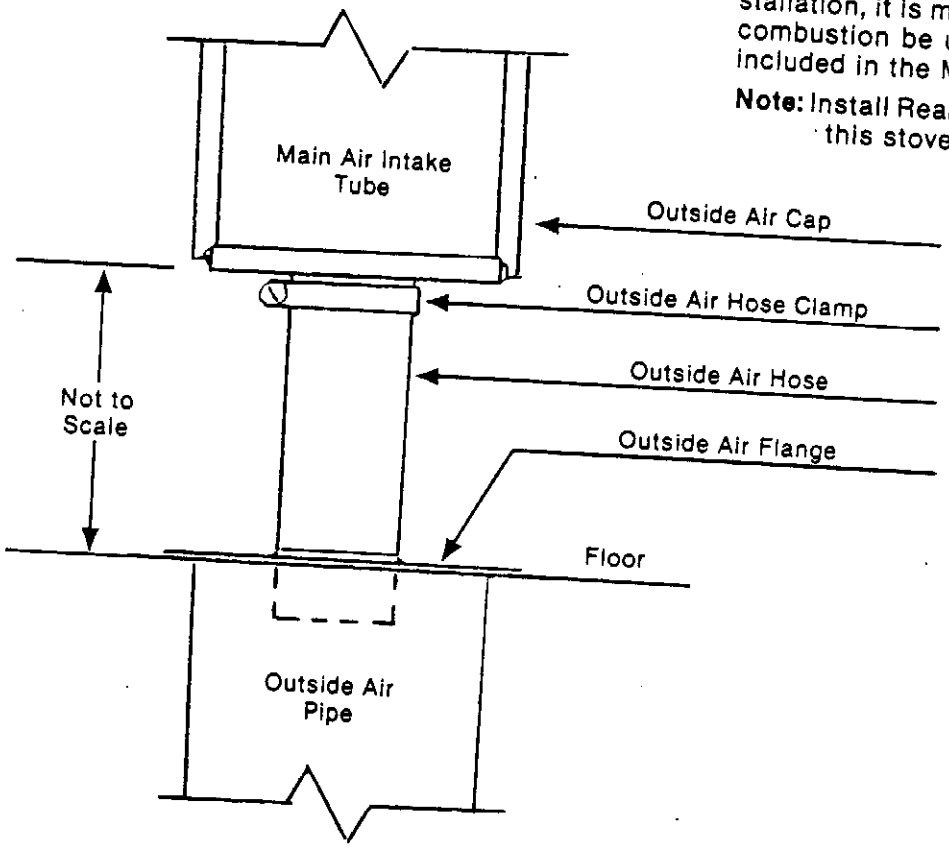
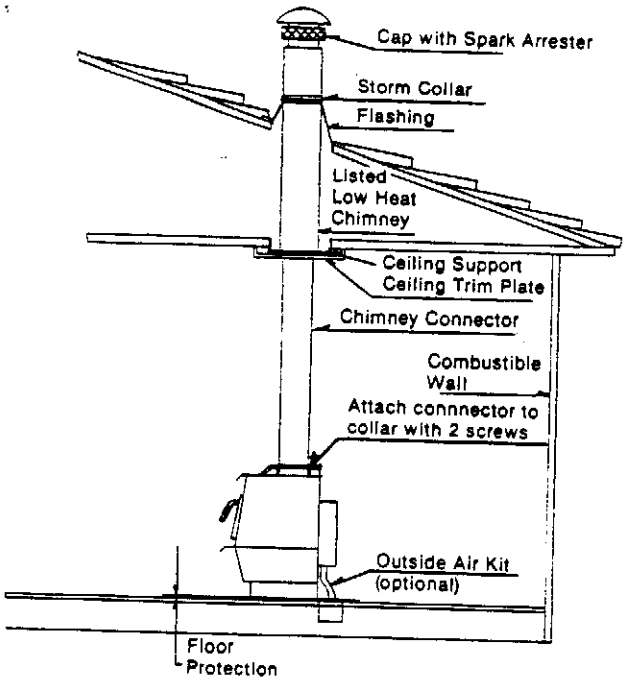
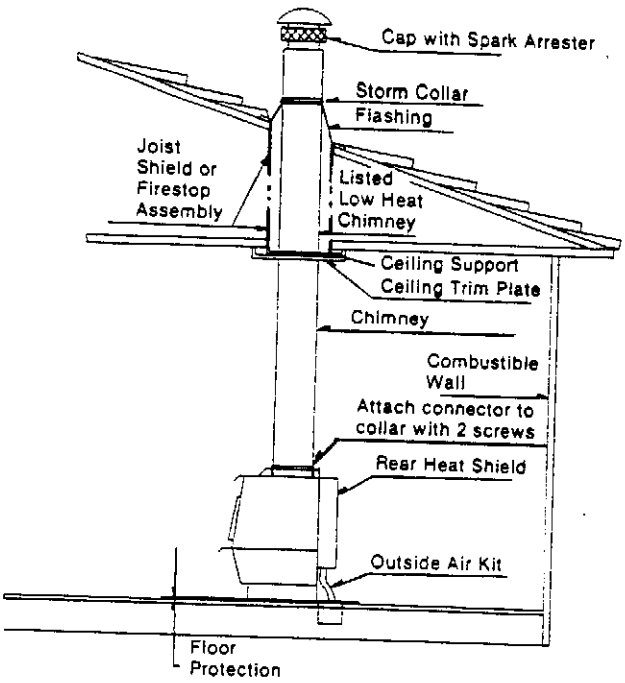


Figure 4

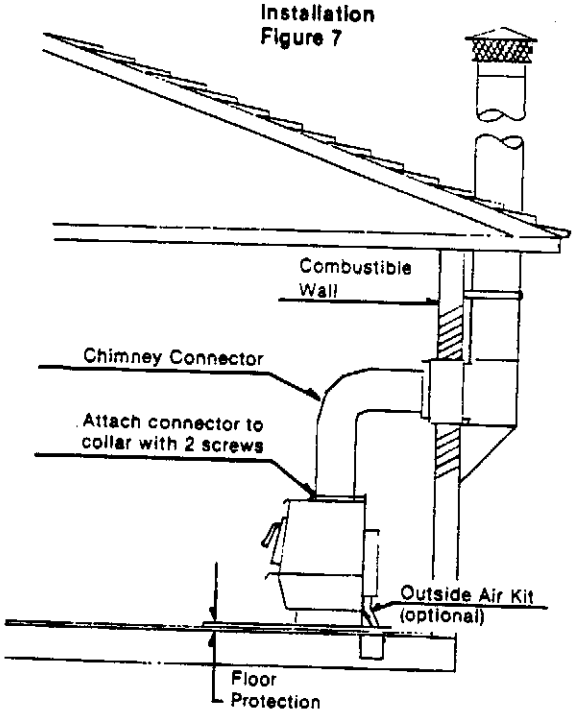
Residential Installation Figure 5



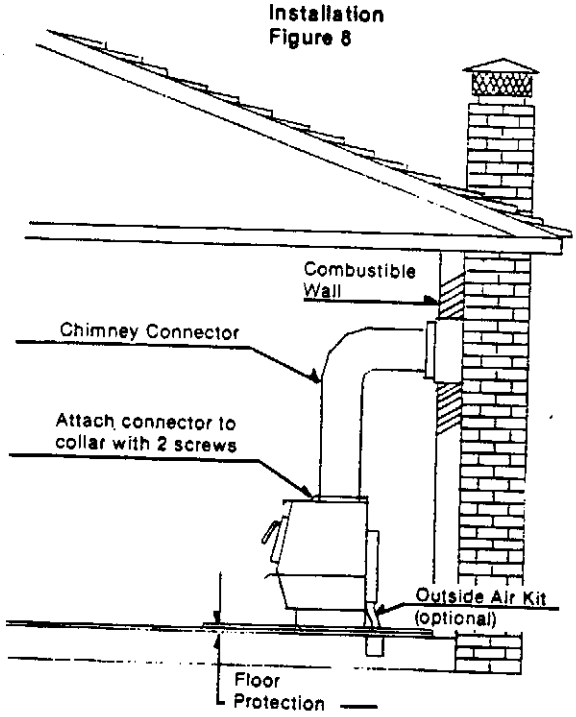
Mobile Home Installation Figure 6



Residential Installation Figure 7



Residential Installation Figure 8



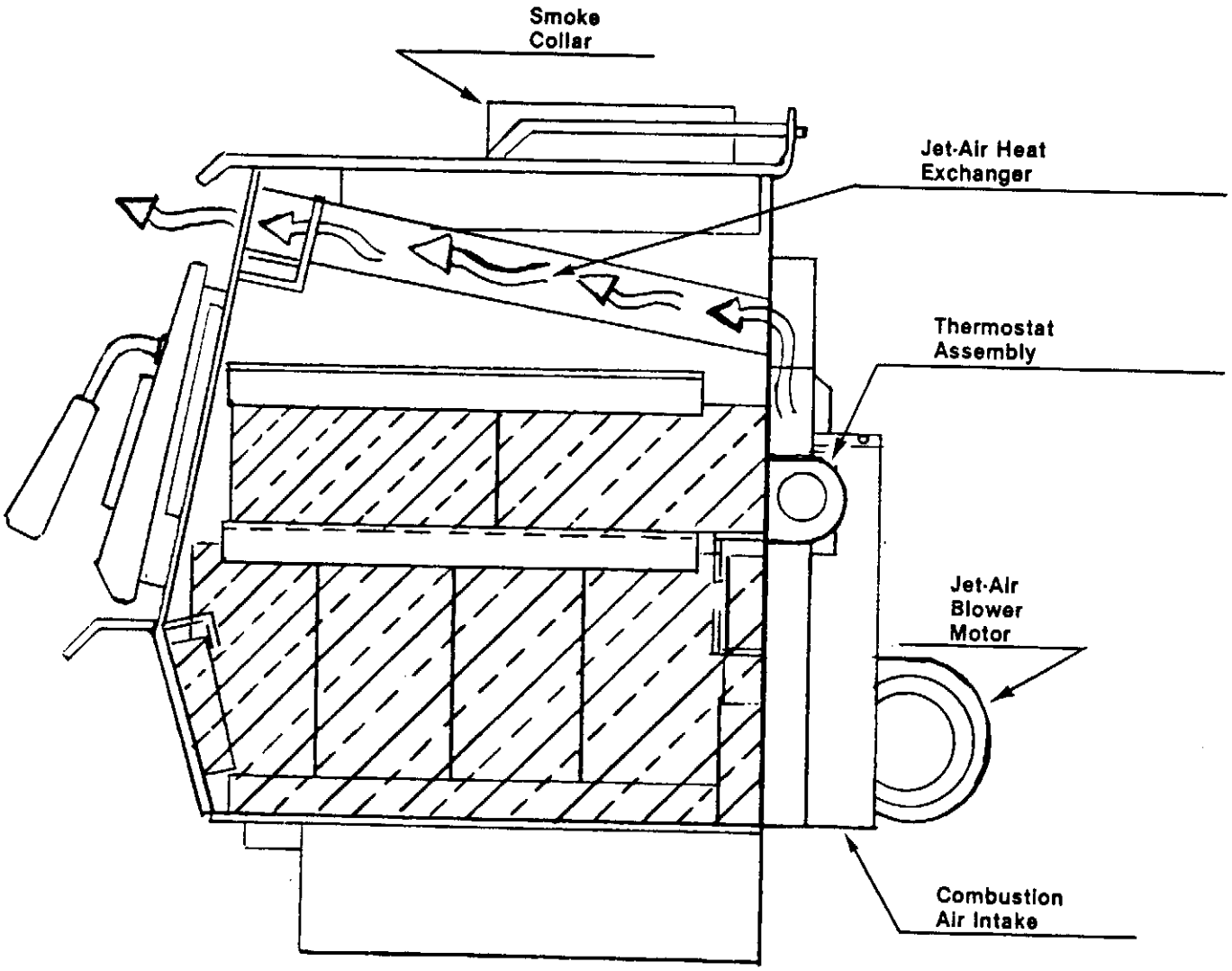

Smoke
Collar
Jet-Air Heat
Exchanger
Thermostat
Assembly
Jet-Air
Blower
Motor
Combustion
Air Intake

Figure 9

FUEL

THIS STOVE IS FOR USE WITH WOOD ONLY

Blaze King® wood stoves will burn just about anything. Therefore, it is tempting to burn materials which are inadvisable. Green softwoods burn slowly and with smoke. The soot and moist tar from this smoke sticks to the inside of the chimney. Moisture in green wood will release a great amount of vapor which will condense on the inside of the chimney. The use of dry wood will retard any excessive build up.

Do not burn trash, paper, pine branches or artificial fire logs. Such abuse may void the warranty.

FLAMMABLE LIQUIDS

NEVER use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or "freshen up" a fire in this stove. Keep all such liquids well away from the stove while it is in use.

THE FIRST FIRE

DO NOT USE GRATE. BUILD FIRE DIRECTLY ON THE HEARTH.
Set the thermostat to HIGH (fully counterclockwise).

Place two or three large balls of crumpled paper in the front of the firebox. Lay some small dry sticks or wood chips on top of the paper as kindling. Use enough to establish a good fire base. Lay one or two larger pieces of wood (small logs) on top of the kindling.

Light the paper, close the door, and allow the fire to get a good start.

Now open the door and carefully add three or four good sized logs. More can be added if desired without increasing the heat output—the fire will just burn longer. Close the door tightly and set the thermostat to midrange—adjust as required.

NOTE: As you heat up the stove for the first time, the paint will go through a curing process and it will give off an odor. To minimize this inconvenience, burn the stove at a low temperature setting for several hours. If the odor gets too unpleasant, you may have to open a door or window slightly until the odor dissipates.

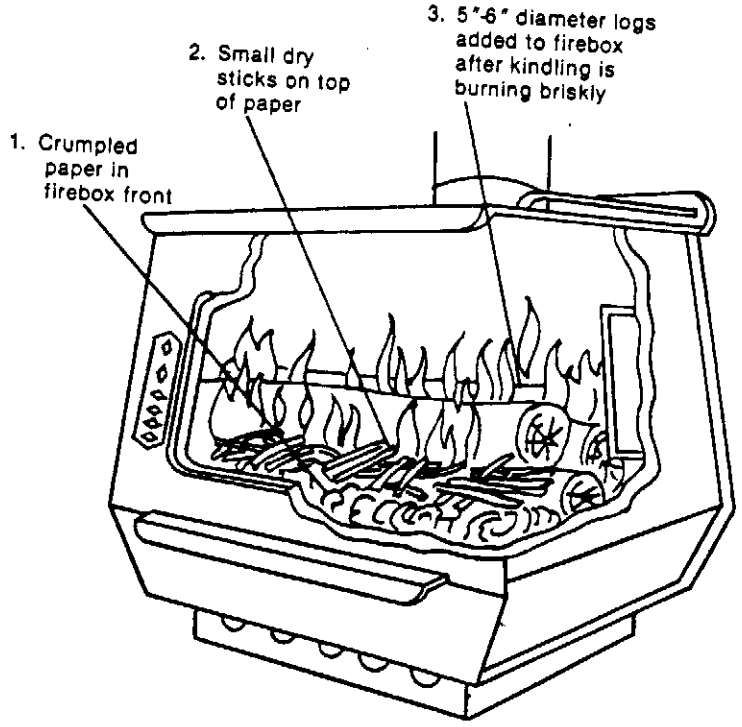


Figure 10

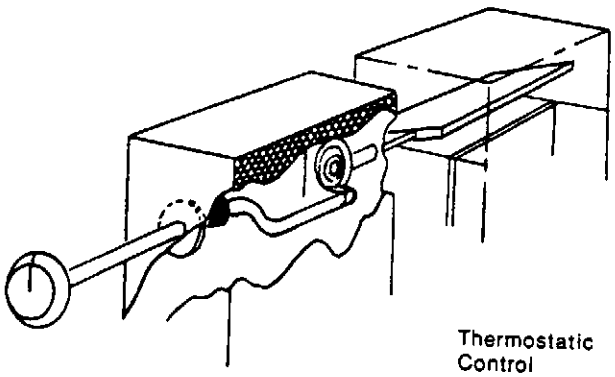
Probably the least understood requirement in maintaining a good fire is that of establishing a good base of ash and coals. Many woodstove users hesitate to load enough wood to sustain a fire, but a good bed of hot coals will maintain a more even temperature as well as getting the new load of wood started easily.

OPERATION

When you add fuel to the stove, open the door slightly (about 1") and then hold in that position for 10-30 seconds or until the fire livens up. Then open the door the rest of the way.

Seven or eight 5" or 6" diameter logs may burn for up to 14 hours. This will vary considerably with the variables of model of stove, type of wood, whether the wood is "seasoned," the thermostat setting, the position of the stove in the house, and how well the house is insulated. The stove can be fully loaded without increasing the heat output. The stove will simply burn longer.

CAUTION—After the fire has been allowed to liven up and the door closed, DO NOT open the door for at least 4-5 minutes. Hot gasses build up right after the door is closed and the addition of oxygen when the door opens will cause a rapid combusion, sending smoke, and possibly some flame, into the room.



Thermostatic Control

Figure 11

Under normal operations, the thermostat should be set on a mid-range setting. At this setting the stove is capable of heating an average size home. The setting should be adjusted as required to achieve the desired room temperature. The thermostat is set at the factory and should not be tampered with. If the thermostat breaks, the damper will close automatically.

If at some time it seems that the stove is not getting hot enough for the corresponding draft setting, check to see that something is not blocking the draft inlet inside the stove such as ashes or a piece of wood.

DOOR GASKET

Check the loading door gasket for deterioration at least twice each heating season. Replace if required.

THE 'GLASS' DOOR and Glass Replacement.

The door with the glass window is installed the same way as the regular door. Set the hinge rods in the hinges with the door in the vertical position. Open or close as desired.

The basic design of the door will keep the glass from becoming clouded rapidly. However, after some amount of use the glass will have to be cleaned. After the door has been removed and allowed to cool, it can be cleaned with soap and water or a non-abrasive cleanser.

If the glass gets broken, your Blaze King® dealer can provide a replacement. After the door has been removed and allowed to cool, remove the screws and the retaining strips on the inside of the door. Retain these parts. Remove the broken glass. To install the braided gasket to the lower edge of the glass, fold the gasket so that it adheres to both sides of the lower edge of the glass. Insert the gasketed lower edge into the bottom channel. Attach the top retainer with the screws previously removed. Attach the right and left glass retainers.

CREOSOTE—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 connector and chimney should be inspected at least twice monthly 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.

ASH REMOVAL

Ashes should be removed any time they start to cover the draft inlet into the firebox. The frequency with which you need to empty the ashes depends on the type of fuel being used. Remove ashes only when they are cold so the hot coals are not dumped where they may start a fire.

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 non-combustible 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.

LUBRICATION

Lubricate the fan motor bearings of Jet-Air models every 6 months with 10 to 20 drops of SAE 10W or 20W non-detergent oil (ML type) or with electric motor oil.

CAUTION: DO NOT over-lubricate. The excess oil may damage the windings or electrical wiring on the motor.

PAINT

If the black finish on the stove ever becomes blemished, you can repaint with high temperature paint available from your dealer. DO NOT paint the stove while it is HOT.

FURTHER INFORMATION

For further information on using your heater, obtain a copy of the National Fire Protection Association publication, "Using Coal and Woodstoves Safely" NFPA #HS-10. The address is:

National Fire Protection Association
Batterymarch Park
Quincy, MA 02269

AUTHORIZED SERVICE REPRESENTATIVE

Your local Blaze King® dealer is your authorized service representative. Should you have any problems with operations or maintenance of your Blaze King® stove, contact him as soon as possible. He will assist you in resolving any operation problems, provide replacement parts, and/or arrange warranty repairs as required. He will need information such as model, serial number, date of purchase, and a summary of the problem. A list of some of the more common replacement parts is given below.

REPLACEMENT PARTS

Item	Part #	Description
Ceramics		
Blaze King	**0114**	**Orange, Brown, Blue, Green, Black**
Blaze Princess	**0116**	**Orange, Brown, Blue, Green, Black**
Baby Blaze King	**0116**	**Orange, Brown, Blue, Green, Black**
Door Handles	**0118**	
Motor	**0112**	
Spray Paint	**0128**	**Aerosol Can**
Thermostat Knob	**0102**	
Outside Air Kit	**0150**	
Door Gasket	**0180**	
Rear Heat Shield (King)	**3342**	
Rear Heat Shield (Princess)	**2342**	
Rear Heat Shield (Baby)	**5342**	

BLAZE KING®

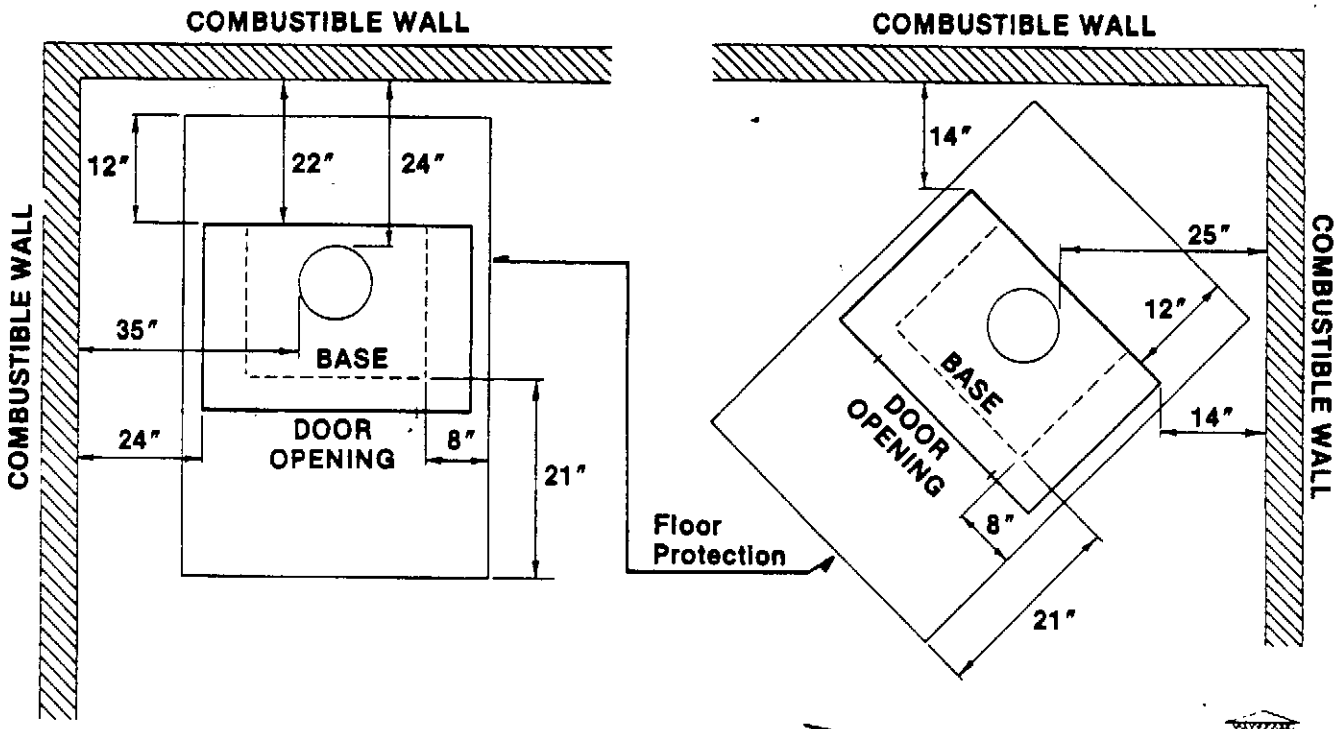
Addendum 1

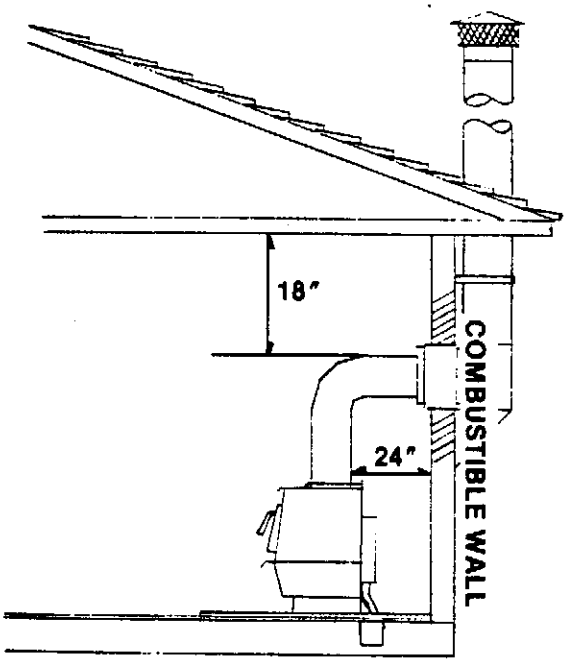
Models KT-303 and KTJ-303
For Residential Installation

INSTALLATION

1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and Figures of these instructions.
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) mark the positions of the hole for the outside air hose.
5. (If required) move the stove and, using a saber saw with a masonry blade, cut a 6" hole for the outside air pipe.
6. Cut a pilot hole in the ceiling.
7. Cut a 14½" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14½"). Follow the pipe manufacturers installation instructions.
8. Measure the distance from the ceiling to the top of any combustible material. If required, trim the top of the joist shield so that it will clear any combustible material when installed in step 11. Note that the joist shield may extend completely through the roof on some installations and may require trimming, only to allow the proper positioning and attachment of the roof flashing and storm collar. See Fig. 5.
9. Slide the stove back into position.
10. To start installing pipe, turn the first section of pipe upside down and slip the crimped edge of the pipe inside the stove flue. Follow the pipe manufacturers installation instructions.
11. 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. When approaching the ceiling, slip the ceiling trim plate and joist shield over the chimney so that after the chimney is extended through the ceiling, the ceiling trim plate can be secured to the ceiling. The joist shield rests on the ceiling trim plate but is not secured to it. CAUTION: Since the chimney section lengths vary, you will need to calculate where the joints will come to ensure that they do not come between the ceiling and the roof.
12. Slip the roof flashing down over the chimney and nail 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.
13. (If required) Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install the Outside Air Hose to the Outside Air Cap. Tighten the Outside Air Hose clamp to hold the Outside Air Hose in place. Adjust the length of the Outside Air Hose by moving it in or out of the Outside Air Flange. When the desired position has been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of a high temperature silicone sealer.
14. Install the Top Rails. Insert the long end through the hole in the back of the stove top and rotate the rail until it drops through the hole in the stove top. Attach with the 7/16" nut provided. Install the ceramic in the ceramic ring. Mount the assembly to the stove with the 6-32 x ¼" screws provided. REMEMBER, these ceramics are a fragile clay product and must be handled carefully.
15. On Jet-Air models, attach the blower motor to the Blower Intake Tube on the back of the stove with four self tapping screws, one of which has an internal Tooth Lock Washer attached to it. The motor is equipped with a three-pronged (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.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES





FLOOR PROTECTION

Floor protection material: ⅜" millboard. Listed floor protector of a noncombustible material equal to ⅜" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr°F.

The floor protector must extend beyond the base:

8" from each side.
21" from the front.
12" from the back.

These dimensions provide the required clearances from the door opening.

OUTSIDE AIR SUPPLY

For proper installation, it is not mandatory that outside air for combustion be used. However, if local codes require it, an OUTSIDE AIR KIT is available from the dealer who sold you the stove.

The outside air inlet hose is a flexible tube which can be bent to take outside air in through the wall or up through the floor. The flexible tube will allow some adjustment over or around the 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. See Figure 4.

BLAZE KING®

Addendum 2

Models KT-303 and KTJ-303
For MOBILE HOME Installation

NOTE: For MINIMUM CLEARANCE residential installations, use these instructions, a Rear Heat Shield, and Insulated Pipe components (table 1). The Outside Air Kit is not required for residential installations.

OUTSIDE AIR SUPPLY

The outside air inlet hose is a flexible tube which can be bent to take outside air in 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. See Figure 4.

INSTALLATION

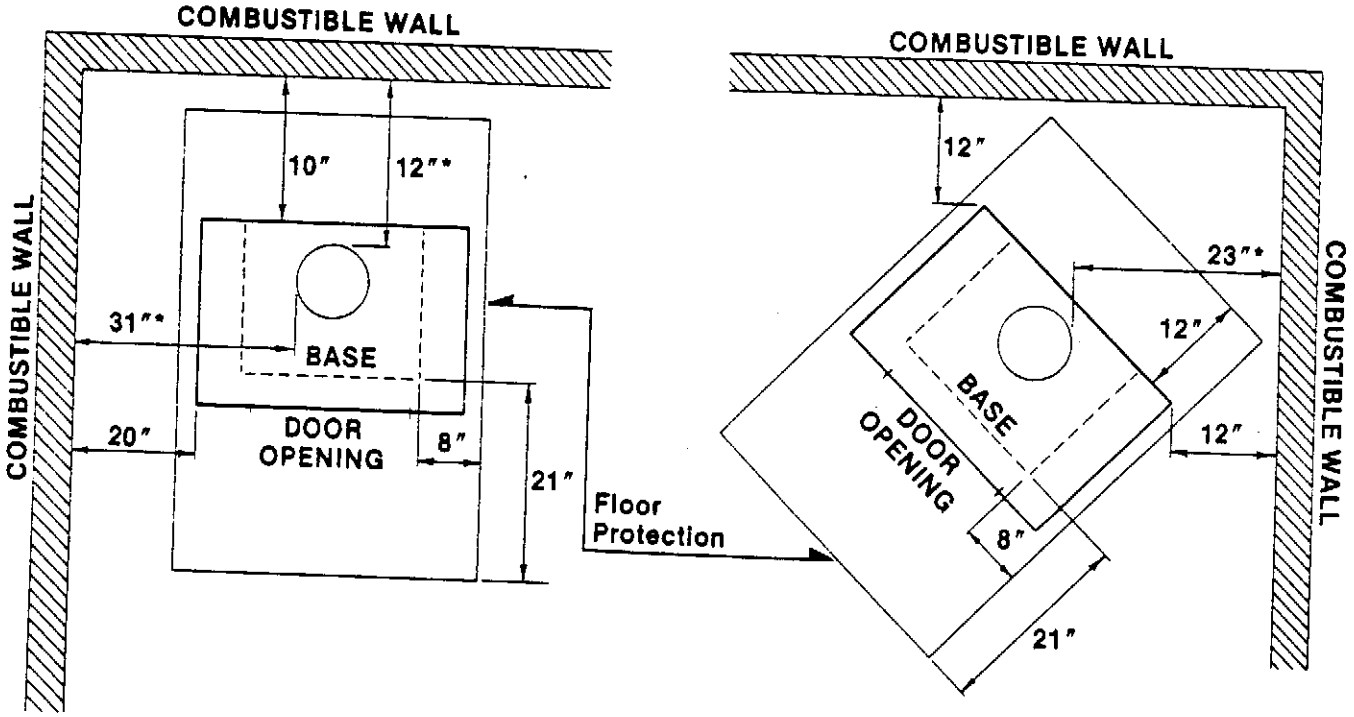
1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and Figures of these instructions.
2. Mark the position for the hole in the ceiling and roof by using a string and plumb-bob.
3. Check that the intended location will not interfere with floor joists, ceiling joists, or rafters before proceeding further.
4. Mark the positions for the tiedowns and the hole for the outside air hose.
5. Move the stove and install the front tie down. Using a saber saw with a masonry blade, cut a 6" hole for the outside air pipe.
6. Cut a pilot hole in the ceiling.
7. Cut a 14½" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14½"). Follow the pipe manufacturers installation instructions.
8. Measure the distance from the ceiling to the top of any combustible material. If required, trim the top of the joist shield so that it will clear any combustible material when installed in step 11. Note that the joist shield may extend completely through the roof on some installations and may require trimming, only to allow the proper positioning and attachment of the roof flashing and storm collar. See Figure 6.
9. Slide the stove back into position, engaging the raised lip on the front tie down. Mark the position for the back tie downs. Slide stove forward, drill pilot holes and slide stove back into position, engaging front tie down. Install the remaining two tie downs with the raised lip over the inside back edge of the stove base.
10. To start installing pipe, turn the first section of pipe upside down and slip the crimped edge of the pipe inside the stove flue. Follow the pipe manufacturers installation instructions.
11. 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. When approaching the ceiling, slip the ceiling trim plate and joist shield over the chimney so that after the chimney is extended through the ceiling, the ceiling trim plate can be secured to the ceiling. The joist shield rests on the ceiling trim plate but is not secured to it. CAUTION: Since the chimney section lengths vary, you will need to calculate where the joints will come to ensure that they do not come between the ceiling and the roof.
12. Slip the roof flashing down over the chimney and nail 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.

13. Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install the Outside Air Hose to the Outside Air Cap. Tighten the Outside Air Hose clamp to hold the Outside Air Hose in place. Adjust the length of the Outside Air Hose by moving it in or out of the Outside Air Flange. When the desired position has been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of a high temperature silicone sealer.

14. Install the Top Rails. Insert the long end through the hole in the back of the stove top and rotate the rail until it drops through the hole in the stove top. Attach with the 7/16" nut provided. Install the ceramic in the ceramic ring. Mount the assembly to the stove with the 6-32 x 1/4" screws provided. REMEMBER, these ceramics are a fragile clay product and must be handled carefully.

15. On Jet-Air models, attach the blower motor to the Blower Intake Tube on the back of the stove with four self tapping screws, one of which has an Internal Tooth Lock Washer attached to it. The motor is 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.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



* = measure to side of smoke collar

FLOOR PROTECTION

Floor protection material: 3/8" millboard. Listed floor protector of a noncombustible material equal to 3/8" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr °F.

The floor protector must extend beyond the base:
- 8" from each side.
- 21" from the front.
- 12" from the back.

These dimensions provide the required clearances from the door opening.

BLAZE KING®

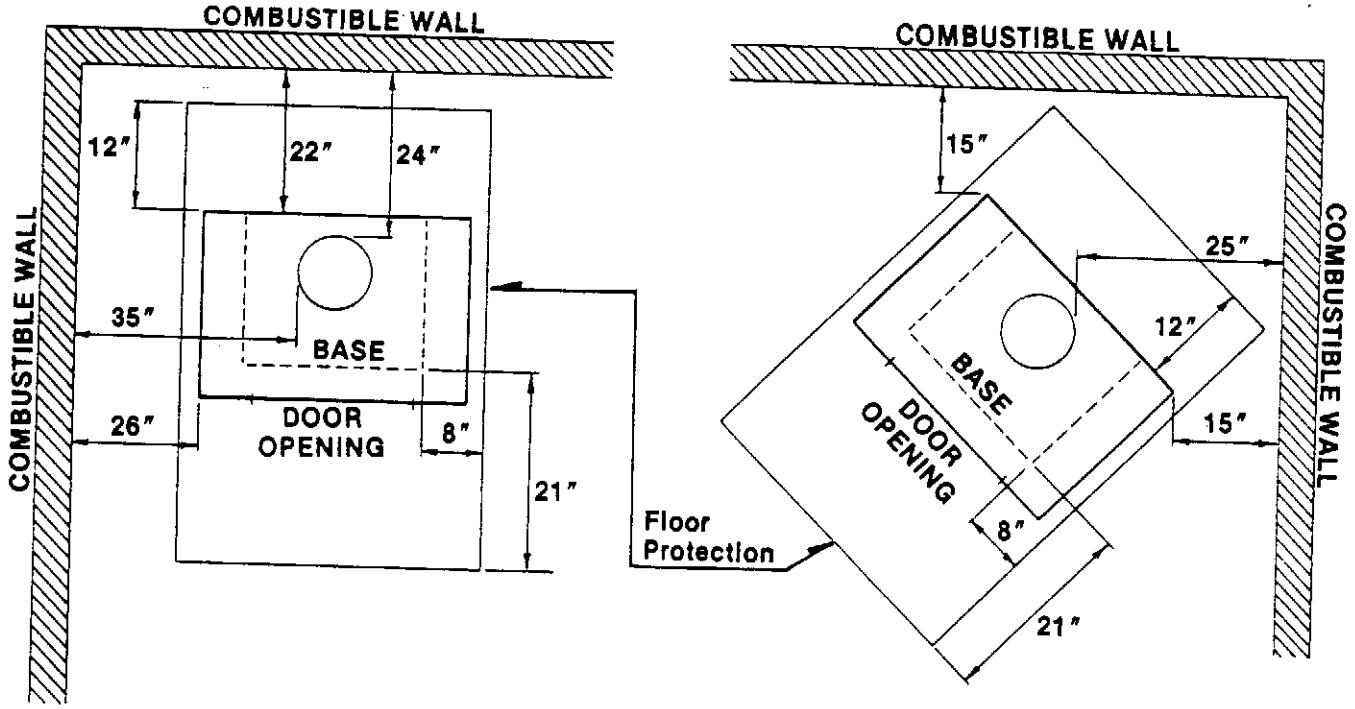
Addendum 3

Models PT-203 and PTJ-203
For Residential Installation

INSTALLATION

1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and Figures of these instructions.
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) mark the positions of the hole for the outside air hose.
5. (If required) move the stove and, using a saber saw with a masonry blade, cut a 6" hole for the outside air pipe.
6. Cut a pilot hole in the ceiling.
7. Cut a 14½" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14½"). Follow the pipe manufacturers installation instructions.
8. Measure the distance from the ceiling to the top of any combustible material. If required, trim the top of the joist shield so that it will clear any combustible material when installed in step 11. Note that the joist shield may extend completely through the roof on some installations and may require trimming, only to allow the proper positioning and attachment of the roof flashing and storm collar. See Fig. 5.
9. Slide the stove back into position.
10. To start installing pipe, turn the first section of pipe upside down and slip the crimped edge of the pipe inside the stove flue. Follow the pipe manufacturers installation instructions.
11. 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. When approaching the ceiling, slip the ceiling trim plate and joist shield over the chimney so that after the chimney is extended through the ceiling, the ceiling trim plate can be secured to the ceiling. The joist shield rests on the ceiling trim plate but is not secured to it. CAUTION: Since the chimney section lengths vary, you will need to calculate where the joints will come to ensure that they do not come between the ceiling and the roof.
12. Slip the roof flashing down over the chimney and nail 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.
13. (If required) Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install the Outside Air Hose to the Outside Air Cap. Tighten the Outside Air Hose clamp to hold the Outside Air Hose in place. Adjust the length of the Outside Air Hose by moving it in or out of the Outside Air Flange. When the desired position has been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of a high temperature silicone sealer.
14. Install the Top Rails. Insert the long end through the hole in the back of the stove top and rotate the rail until it drops through the hole in the stove top. Attach with the 7/16" nut provided. Install the ceramic in the ceramic ring. Mount the assembly t the stove with the 6-32 x ¼" screws provided. REMEMBER, these ceramics are a fragile clay product and must be handled carefully.
15. On Jet-Air models, attach the blower motor to the Blower Intake Tube on the back of the stove with four self tapping screws, one of which has an Internal Tooth Lock Washer attached to it. The motor is 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.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



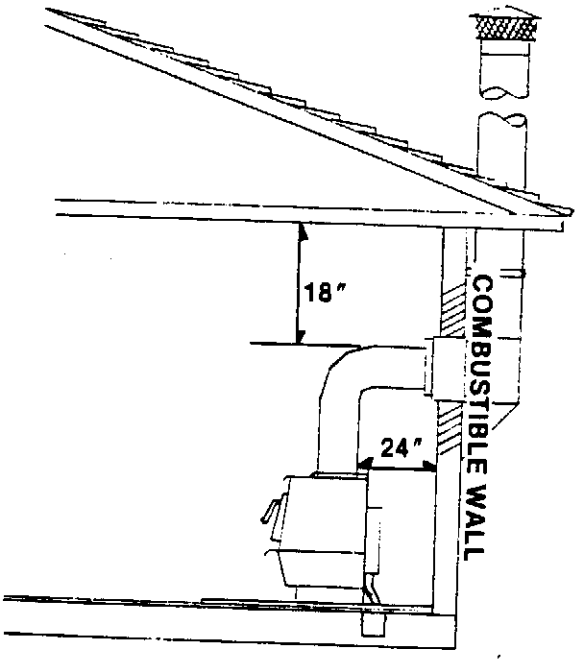
FLOOR PROTECTION

Floor protection material: ⅜" millboard. Listed floor protector of a noncombustible material equal to ⅜" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr°F.

The floor protector must extend beyond the base:

8" from each side.
21" from the front.
12" from the back.

These dimensions provide the required clearances from the door opening.



OUTSIDE AIR SUPPLY

For proper installation, it is not mandatory that outside air for combustion be used. However, if local codes require it, an OUTSIDE AIR KIT is available from the dealer who sold you the stove.

The outside air inlet hose is a flexible tube which can be bent to take outside air in through the wall or up through the floor. The flexible tube will allow some adjustment over or around the 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. See Figure 4.

BLAZE KING®

Addendum 4

Models PT-203 and PTJ-203
For MOBILE HOME Installation

NOTE: For MINIMUM CLEARANCE residential installations, use these instructions, a Rear Heat Shield, and Insulated Pipe components (table 1). The Outside Air Kit is not required for residential installations.

OUTSIDE AIR SUPPLY

The outside air inlet hose is a flexible tube which can be bent to take outside air in 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. See Figure 4.

INSTALLATION

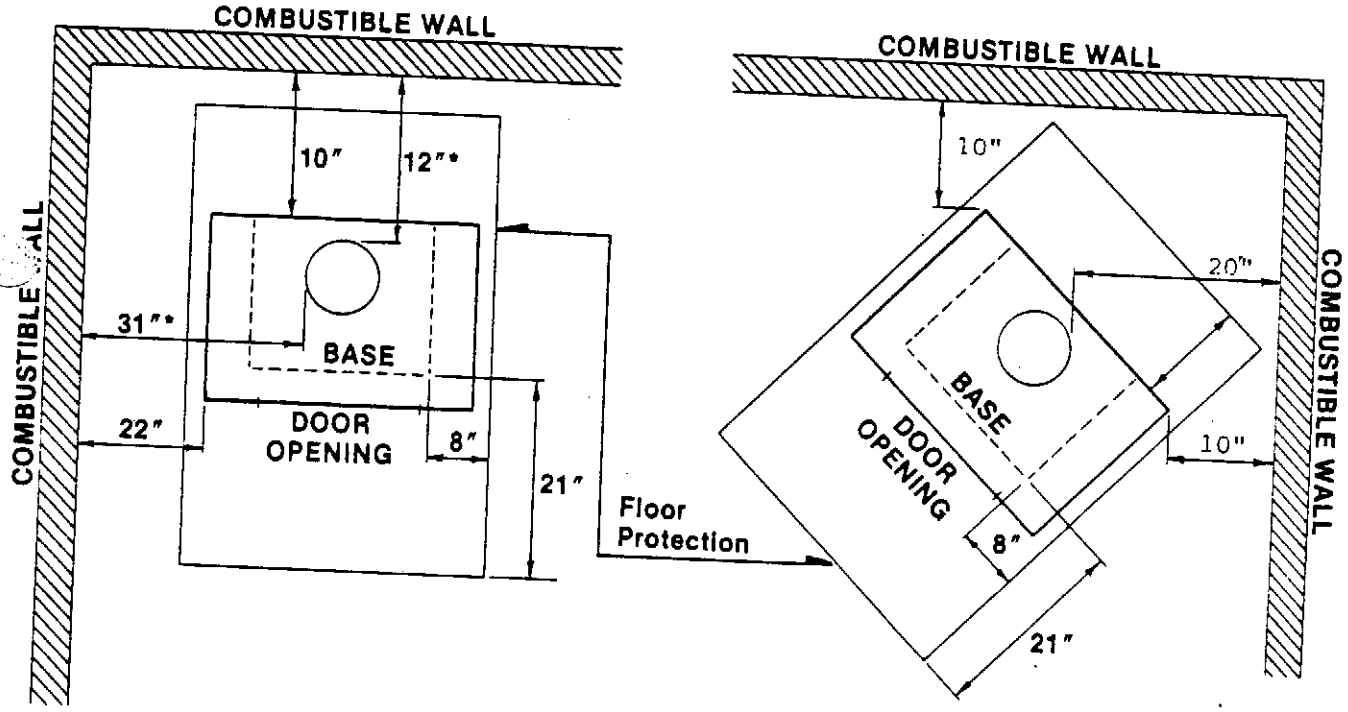
1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and Figures of these instructions.
2. Mark the position for the hole in the ceiling and roof by using a string and plumb-bob.
3. Check that the intended location will not interfere with floor joists, ceiling joists, or rafters before proceeding further.
4. Mark the positions for the tiedowns and the hole for the outside air hose.
5. Move the stove and install the front tie down. Using a saber saw with a masonry blade, cut a 6" hole for the outside air pipe.
6. Cut a pilot hole in the ceiling.
7. Cut a 14½" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14½"). Follow the pipe manufacturers installation instructions.
8. Measure the distance from the ceiling to the top of any combustible material. If required, trim the top of the joist shield so that it will clear any combustible material when installed in step 11. Note that the joist shield may extend completely through the roof on some installations and may require trimming, only to allow the proper positioning and attachment of the roof flashing and storm collar. See Figure 6.
9. Slide the stove back into position, engaging the raised lip on the front tie down. Mark the position for the back tie downs. Slide stove forward, drill pilot holes and slide stove back into position, engaging front tie down. Install the remaining two tie downs with the raised lip over the inside back edge of the stove base.
10. To start installing pipe, turn the first section of pipe upside down and slip the crimped edge of the pipe inside the stove flue. Follow the pipe manufacturers installation instructions.
11. 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. When approaching the ceiling, slip the ceiling trim plate and joist shield over the chimney so that after the chimney is extended through the ceiling, the ceiling trim plate can be secured to the ceiling. The joist shield rests on the ceiling trim plate but is not secured to it. CAUTION: Since the chimney section lengths vary, you will need to calculate where the joints will come to ensure that they do not come between the ceiling and the roof.
12. Slip the roof flashing down over the chimney and nail 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.

13. Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install the Outside Air Hose to the Outside Air Cap. Tighten the Outside Air Hose clamp to hold the Outside Air Hose in place. Adjust the length of the Outside Air Hose by moving it in or out of the Outside Air Flange. When the desired position has been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of a high temperature silicone sealer.

14. Install the Top Rails. Insert the long end through the hole in the back of the stove top and rotate the rail until it drops through the hole in the stove top. Attach with the 7/16" nut provided. Install the ceramic in the ceramic ring. Mount the assembly to the stove with the 6-32 x 1/4" screws provided. REMEMBER, these ceramics are a fragile clay product and must be handled carefully.

15. On Jet-Air models, attach the blower motor to the Blower Intake Tube on the back of the stove with four self tapping screws, one of which has an Internal Tooth Lock Washer attached to it. The motor is 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.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



* = measure to side of smoke collar

FLOOR PROTECTION

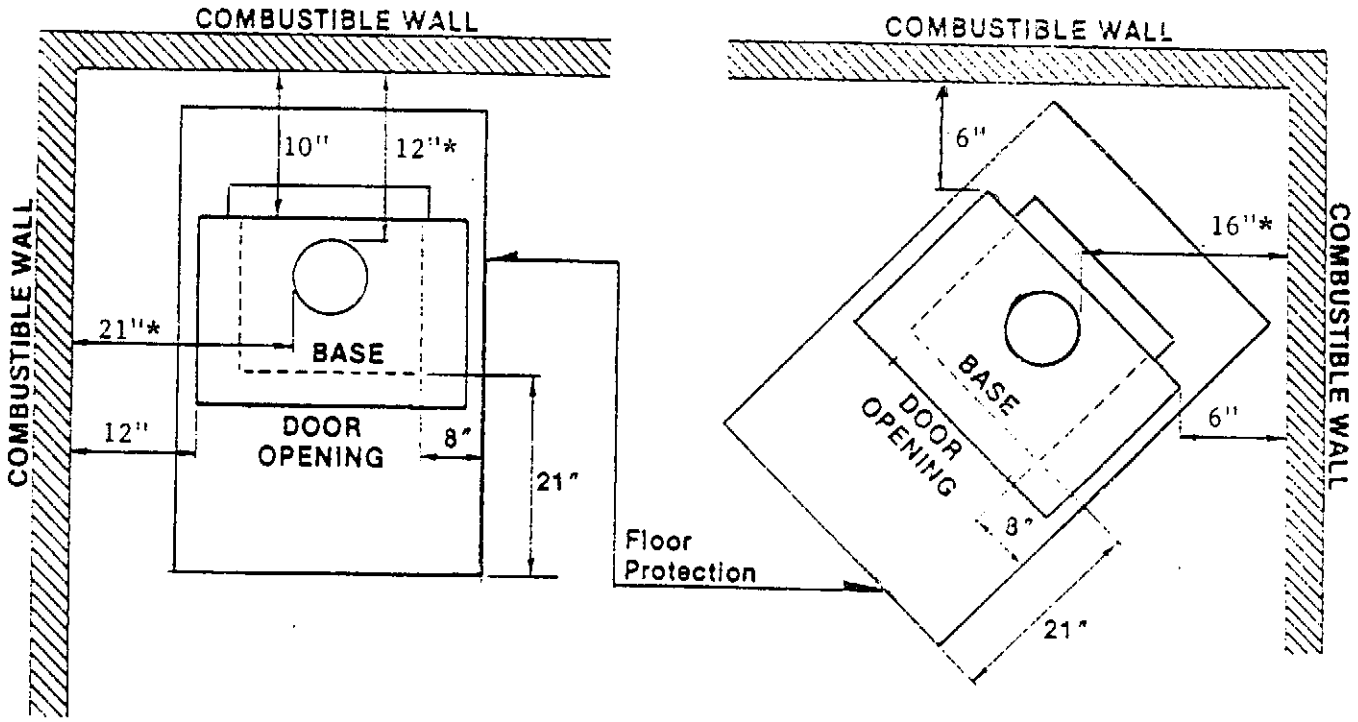
Floor protection material: 3/8" millboard. Listed floor protector of a noncombustible material equal to 3/8" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr °F.

The floor protector must extend beyond the base:
- 8" from each side.
- 21" from the front.
- 12" from the back.

These dimensions provide the required clearances from the door opening.

With the addition of external side shields, these models can be installed with the Minimum Clearances shown below. Side Shields must be welded on AND the stove must also have a Rear Heat Shield.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



* = measure to side of smoke collar

FLOOR PROTECTION

Floor protection material: ¾" millboard. Listed floor protector of a noncombustible material equal to ¾" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr °F.

The floor protector must extend beyond the base:

- 8" from each side.
- 21" from the front.
- 12" from the back.

These dimensions provide the required clearances from the door opening.

BLAZE KING®

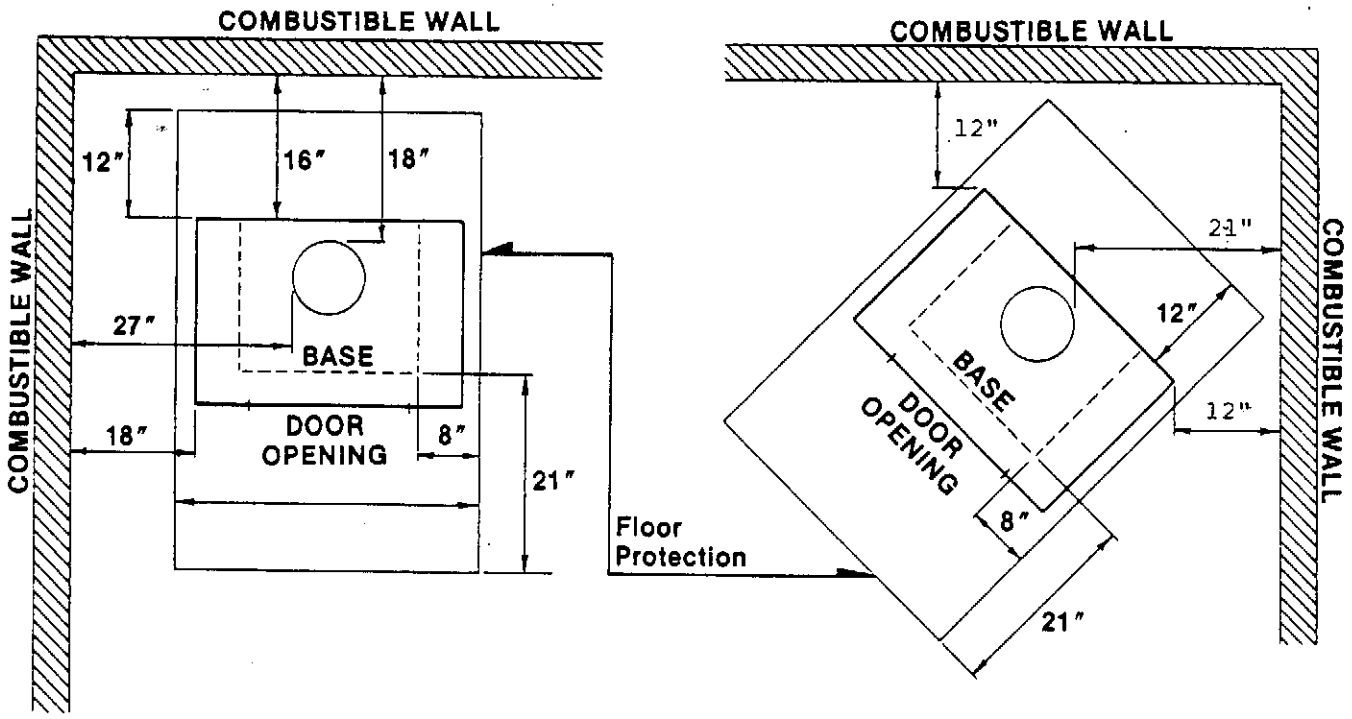
Addendum 5

Models BT-503 and BTJ-503
For Residential Installation

INSTALLATION

1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and Figures of these instructions.
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) mark the positions of the hole for the outside air hose.
5. (If required) move the stove and, using a saber saw with a masonry blade, cut a 6" hole for the outside air pipe.
6. Cut a pilot hole in the ceiling.
7. Cut a 14½" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14½"). Follow the pipe manufacturers installation instructions.
8. Measure the distance from the ceiling to the top of any combustible material. If required, trim the top of the joist shield so that it will clear any combustible material when installed in step 11. Note that the joist shield may extend completely through the roof on some installations and may require trimming, only to allow the proper positioning and attachment of the roof flashing and storm collar. See Fig. 5.
9. Slide the stove back into position.
10. To start installing pipe, turn the first section of pipe upside down and slip the crimped edge of the pipe inside the stove flue. Follow the pipe manufacturers installation instructions.
11. 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. When approaching the ceiling, slip the ceiling trim plate and joist shield over the chimney so that after the chimney is extended through the ceiling, the ceiling trim plate can be secured to the ceiling. The joist shield rests on the ceiling trim plate but is not secured to it. CAUTION: Since the chimney section lengths vary, you will need to calculate where the joints will come to ensure that they do not come between the ceiling and the roof.
12. Slip the roof flashing down over the chimney and nail 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.
13. (If required) Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install the Outside Air Hose to the Outside Air Cap. Tighten the Outside Air Hose clamp to hold the Outside Air Hose in place. Adjust the length of the Outside Air Hose by moving it in or out of the Outside Air Flange. When the desired position has been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of a high temperature silicone sealer.
14. Install the Top Rails. Insert the long end through the hole in the back of the stove top and rotate the rail until it drops through the hole in the stove top. Attach with the 7/16" nut provided. Install the ceramic in the ceramic ring. Mount the assembly to the stove with the 6-32.x ¼" screws provided. REMEMBER, these ceramics are a fragile clay product and must be handled carefully.
15. On Jet-Air models, attach the blower motor to the Blower Intake Tube on the back of the stove with four self tapping screws, one of which has an Internal Tooth Lock Washer attached to it. The motor is 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.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



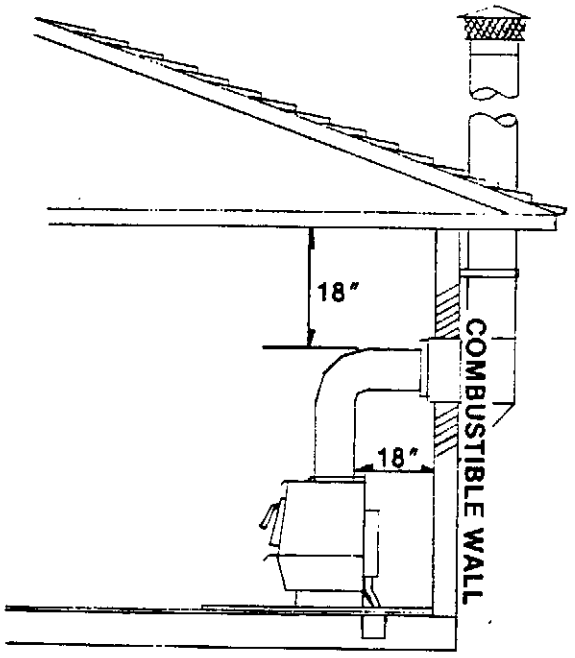
FLOOR PROTECTION

Floor protection material: ⅜" millboard. Listed floor protector of a noncombustible material equal to ⅜" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr°F.

The floor protector must extend beyond the base:

8" from each side.
21" from the front.
12" from the back.

These dimensions provide the required clearances from the door opening.



OUTSIDE AIR SUPPLY

For proper installation, it is not mandatory that outside air for combustion be used. However, if local codes require it, an OUTSIDE AIR KIT is available from the dealer who sold you the stove.

The outside air inlet hose is a flexible tube which can be bent to take outside air in through the wall or up through the floor. The flexible tube will allow some adjustment over or around the 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. See Figure 4.

BLAZE KING®

Addendum 6

Models BT-503 and BTJ-503
For MOBILE HOME Installation

NOTE: For MINIMUM CLEARANCE residential installations, use these instructions, a Rear Heat Shield, and Insulated Pipe components (table 1). The Outside Air Kit is not required for residential installations.

OUTSIDE AIR SUPPLY

The outside air inlet hose is a flexible tube which can be bent to take outside air in 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. See Figure 4.

INSTALLATION

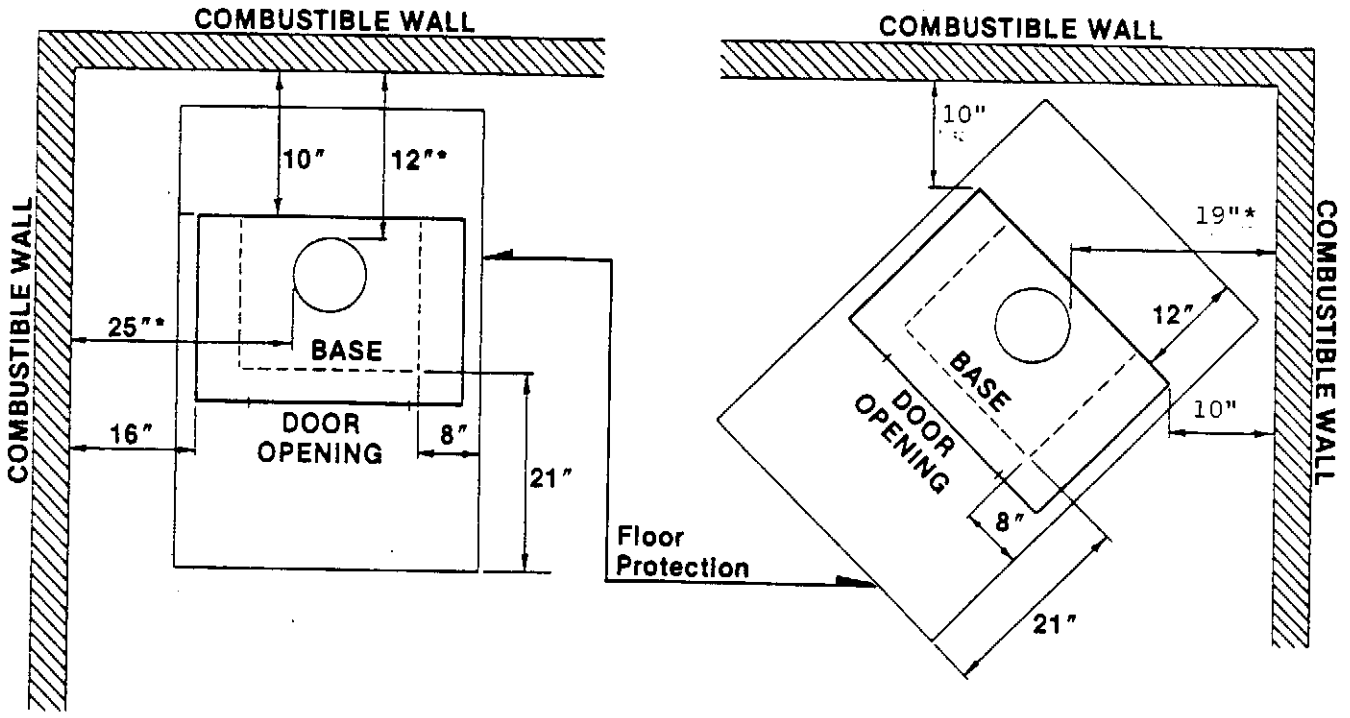
1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and Figures of these instructions.
2. Mark the position for the hole in the ceiling and roof by using a string and plumb-bob.
3. Check that the intended location will not interfere with floor joists, ceiling joists, or rafters before proceeding further.
4. Mark the positions for the tiedowns and the hole for the outside air hose.
5. Move the stove and install the front tie down. Using a saber saw with a masonry blade, cut a 6" hole for the outside air pipe.
6. Cut a pilot hole in the ceiling.
7. Cut a 14½" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14½"). Follow the pipe manufacturers installation instructions.
8. Measure the distance from the ceiling to the top of any combustible material. If required, trim the top of the joist shield so that it will clear any combustible material when installed in step 11. Note that the joist shield may extend completely through the roof on some installations and may require trimming, only to allow the proper positioning and attachment of the roof flashing and storm collar. See Figure 6.
9. Slide the stove back into position, engaging the raised lip on the front tie down. Mark the position for the back tie downs. Slide stove forward, drill pilot holes and slide stove back into position, engaging front tie down. Install the remaining two tie downs with the raised lip over the inside back edge of the stove base.
10. To start installing pipe, turn the first section of pipe upside down and slip the crimped edge of the pipe inside the stove flue. Follow the pipe manufacturers installation instructions.
11. 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. When approaching the ceiling, slip the ceiling trim plate and joist shield over the chimney so that after the chimney is extended through the ceiling, the ceiling trim plate can be secured to the ceiling. The joist shield rests on the ceiling trim plate but is not secured to it. CAUTION: Since the chimney section lengths vary, you will need to calculate where the joints will come to ensure that they do not come between the ceiling and the roof.
12. Slip the roof flashing down over the chimney and nail 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.

13. Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install the Outside Air Hose to the Outside Air Cap. Tighten the Outside Air Hose clamp to hold the Outside Air Hose in place. Adjust the length of the Outside Air Hose by moving it in or out of the Outside Air Flange. When the desired position has been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of a high temperature silicone sealer.

14. Install the Top Rails. Insert the long end through the hole in the back of the stove top and rotate the rail until it drops through the hole in the stove top. Attach with the 7/16" nut provided. Install the ceramic in the ceramic ring. Mount the assembly to the stove with the 6-32 x ¼" screws provided. REMEMBER, these ceramics are a fragile clay product and must be handled carefully.

15. On Jet-Air models, attach the blower motor to the Blower Intake Tube on the back of the stove with four self tapping screws, one of which has an Internal Tooth Lock Washer attached to it. The motor is 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.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



* = measure to side of smoke collar

FLOOR PROTECTION

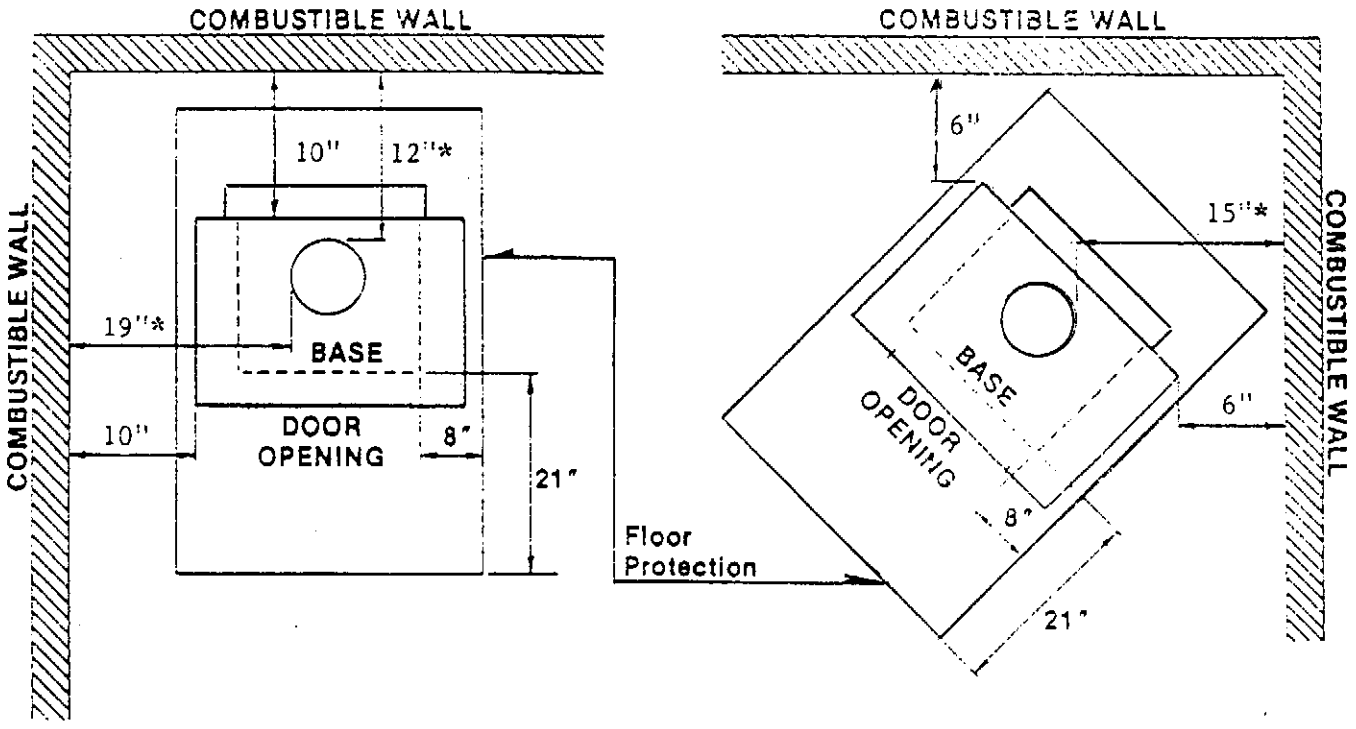
Floor protection material: ¾" millboard. Listed floor protector of a noncombustible material equal to ¾" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr °F.

The floor protector must extend beyond the base:
- 8" from each side.
- 21" from the front.
- 12" from the back.

These dimensions provide the required clearances from the door opening.

With the addition of external side shields, these models can be installed with the Minimum Clearances shown below. Side Shields must be welded on AND the stove must also have a Rear Heat Shield.

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



* = measure to side of smoke collar

FLOOR PROTECTION

Floor protection material: ¼" millboard. Listed floor protector of a noncombustible material equal to ¼" thick millboard having a thermal conductivity of: K = 0.84 BTU in/ft. hr °F.

The floor protector must extend beyond the base:

8" from each side.
21" from the front.
12" from the back.

These dimensions provide the required clearances from the door opening.

MANUFACTURED UNDER LICENSEE AGREEMENT
FROM:WOODCUTTERS MFG., INC.
ROUTE 4, BOX 218
WALLA WALLA, WA 99362
BY:

OWNER'S INSTALLATION AND OPERATION INSTRUCTION BOOK

Blaze® King

WOODSTOVES

BLAZE KING, Top Vent
KT-303 and KTJ-303

BLAZE PRINCESS, Top Vent
PT-203 and PTJ-203

BABY BLAZE KING, Top Vent
BT-503 and BTJ-503

OM-2
10/11/83
RCR

SAVE THESE INSTRUCTIONS