OWNER'S INSTALLATION AND OPERATION INSTRUCTION BOOK

Blaze® King

WOOD STOVES

BLAZE KING WOOD/COAL STOVE

Model KWC-1400
Model PWC-1500

OM-14A
9/13/84
RCR

SAVE THESE INSTRUCTIONS

BLAZE KING WOOD/COAL STOVES
King model KWC-1400
Princess model PWC-1500

SAFETY NOTICE: If this Blaze King 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.

INSTALLATION AND OPERATION INSTRUCTIONS

You are now the proud owner of a Blaze King wood/coal stove - the finest, most beautiful wood stove in America.

It is the desire of the manufacturer that your stove give you a lifetime of trouble-free operation. Therefore, we suggest that before starting installation, you read these installation and operation instructions.

WARRANTY

To register your warranty, fill out and return the 'Warranty Card' packed with these instructions in the firebox of the stove.

Improper installation of your Blaze King wood/coal stove or failure to operate it according to the guidelines detailed in these instructions may negate your warranty and endanger your home and family.

IMPORTANT: While every effort has been made to make these instructions as complete as possible, some installation or operating conditions may not be covered. If you have questions not answered here, contact your Blaze King dealer or your local building or fire inspector.

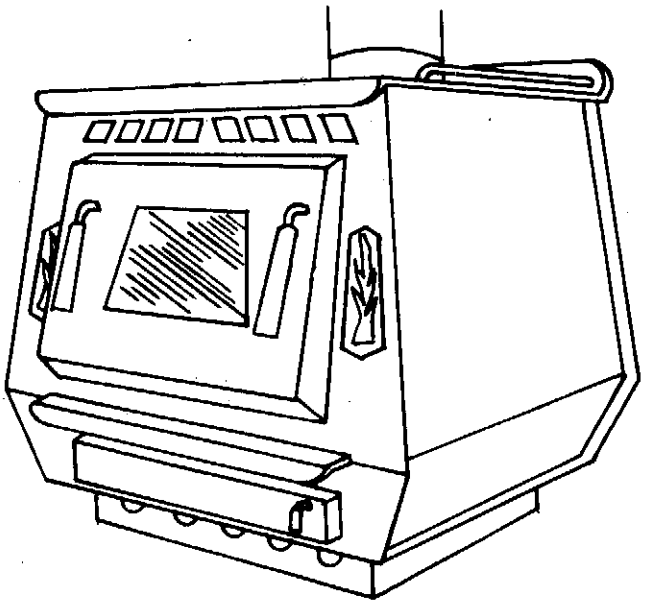


Figure 1.

Table 1: SPECIFICATIONS SUMMARY

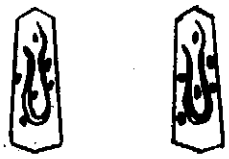
Model	Width	Depth	Height	Weight (lbs.)
King model KWC-1400	30"	31	33"	420
Princess model PWC-1500	27	31	29	372

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.
5. Thermostat knob.
6. Ash pan.
7. Gasket in Ash Removal Door.
8. Ceramics (Fig. 2)



Ceramics
Figure 2.

SOME CAUTIONS:

1. Stove must be vented ONLY to the outside, not to other rooms or buildings.
2. NEVER use a chimney or chimney connector smaller than the 8" 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 inadvertently using a "Class B" chimney.

BUILDING CODES AND PERMITS

Some areas may require a permit from the city, county, Building inspector, or Fire Marshal. Check local building codes before beginning installation. After the installation is completed, it should be checked by your local Fire Marshal or Building Inspector.

SELECTION OF STOVE LOCATION

This appliance is Listed by Underwriters Laboratories, Inc., only if it is connected to a suitable masonry chimney, or an 8" Listed Residential Type and Building Heating Appliance Type (hereafter referred to as Prefabricated chimney in this instruction) chimney system and minimum clearances to combustibles are observed. See CHIMNEY CONNECTORS, and Figures 10-13 for minimum clearances.

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 SLEEPING ROOM.
CAUTION: The structural integrity of the mobile home floor, wall and ceiling/roof must be maintained.

NOTICE: These appliances are tested and listed for mobile home installations utilizing a prefabricated chimney system, straight up from the stove top, through the ceiling and roof. Under no conditions are elbows and/or Tees permitted in mobile homes. Refer to Table 2.

CHIMNEYS

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

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.

Freestanding wood stoves can only be vented into existing chimneys or into a listed, 8" low heat, prefabricated, metal chimney system (listed by Underwriters Laboratories, Inc. or other approved laboratory).

EXISTING CHIMNEY

Before installation of any wood burning unit to an existing chimney, take care that the chimney is sound. There should be no cracks or holes. The cross sectional area must not be less than that of the 8" flue collar. Relining or rebuilding may be necessary to make the chimney safe and efficient and bring it into conformity with local codes. A proper chimney is most important for safe, satisfactory operation of any wood heating system.

PREFABRICATED CHIMNEY

There are two major types of prefabricated chimney pipe. Solid pack insulated and air cooled or not insulated. Insulated stove pipe and air cooled stove pipe are listed as 'Residential Type and Building Heating Appliance Type' chimney (hereafter referred to as Prefabricated chimney in this instruction).

Prefabricated chimney is available from numerous manufacturers. Consult local building codes and fire codes to determine which type of pipe may be safely installed. Ask your local dealer about the availability of types of pipe which meet local codes. See Table 2 for listed chimney systems.

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

CHIMNEY CONNECTORS

The stove collar accepts only 8" 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.

Generally speaking, heavy-duty 8" single wall, blue or black steel pipe (not less than 24-gauge) is used to connect the stove to a masonry or prefabricated chimney. (Prefabricated chimney is not normally required as a chimney for residential installations.)

The chimney connector can also be used horizontally as a connection between the stove and masonry chimneys or Prefabricated chimneys, provided that the length does not exceed three (3) feet AND THE PIPE SLOPES UPWARD TOWARD THE CHIMNEY AT A RATE OF 1/4" PER FOOT. This slope in the horizontal connection is required to facilitate the drainage of creosote deposits back into the stove (see Fig. 7 & 8). The chimney connector is to be attached to the smoke collar with two screws. Note: it is essential that a proper wall thimble for the type of pipe being used is installed for the wall penetration. See Figure 6.

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 and Table 2.

To install the rear Heat Shield, place it against the back of the stove setting on the top of the fan boxes. Mark the positions of the mounting holes near the center of the rear heat shield. Remove the Rear Heat Shield temporarily. Drill 3/16" holes for each of the two mounting screws.

Install the Rear Heat Shield with the two 1/4" x 3/4" hex head sheet metal screws provided.

NOTICE: While the Rear Heat Shield does permit closer rear wall clearances in most residential applications, its use will not allow reduced clearances when venting into a masonry or Prefabricated chimney through a combustible wall. Since the stove was tested, and listed, with the 8" single wall pipe, to the clearances shown in Figures 3 and 4, placing the pipe any closer to a combustible wall will violate the listing and negate the stove warrantee. (Under certain limited, and limiting, conditions, exceptions to the above may be allowed. See your local building or fire inspector and NFPA 211.)

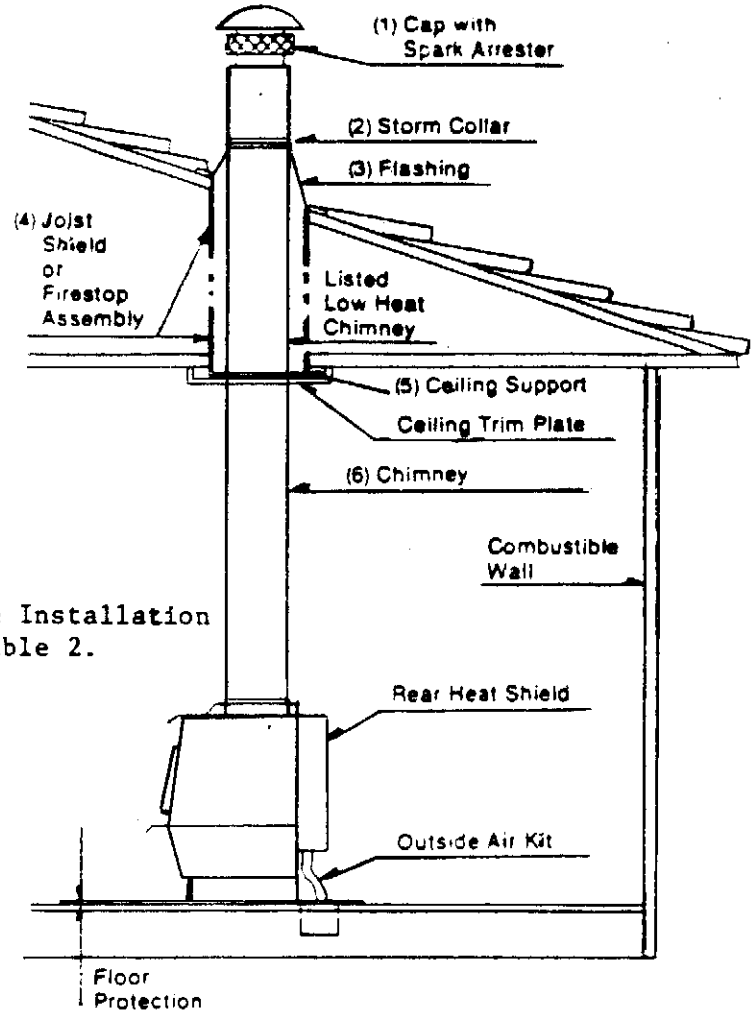


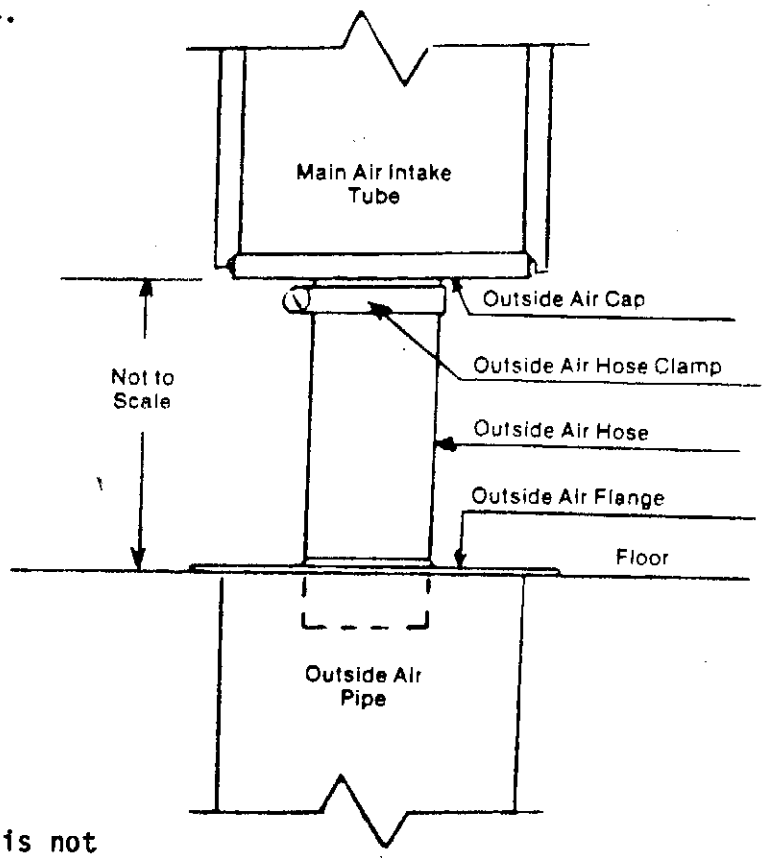
Figure 3.
Mobile Home Installation
Refer to Table 2.

Table 2: Pipe for MOBILE HOME INSTALLATIONS. Refer to Figure 3.

	Ameri-Vent	White Metal	Security	Pro-Jet	Metal-bestos	Hart and Cooley	Dura-Vent	Dura-Vent DVL
1	8FBRCA	8W-CA	8CPE	RCSA	8CF-CT 8CF-SA	8-DC	5278	5278
2	8FBSC.	8W-SC		SC	8CF-SC	8-DS	5259	5259
3	8FBRF	8W-RF	8FMH	LF-RO-3	8CF-FRA-A	8DF/8DTF	5249	5249
4	8FBFA	8W-FSA		CSB	8CF-JS	8DSS/8DPA		5248B
5		8W-TC	8RSMH 8RSAMH		8CF-18SL 8CF-CSP		5261	8889
6	8FB**	8W-**	BL	GL** SL**	8CF**	8-DP	52**	5221

** = length of pipe section (i.e. 12", 24", 36")

Outside Air Supply. Figure 4.



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.

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

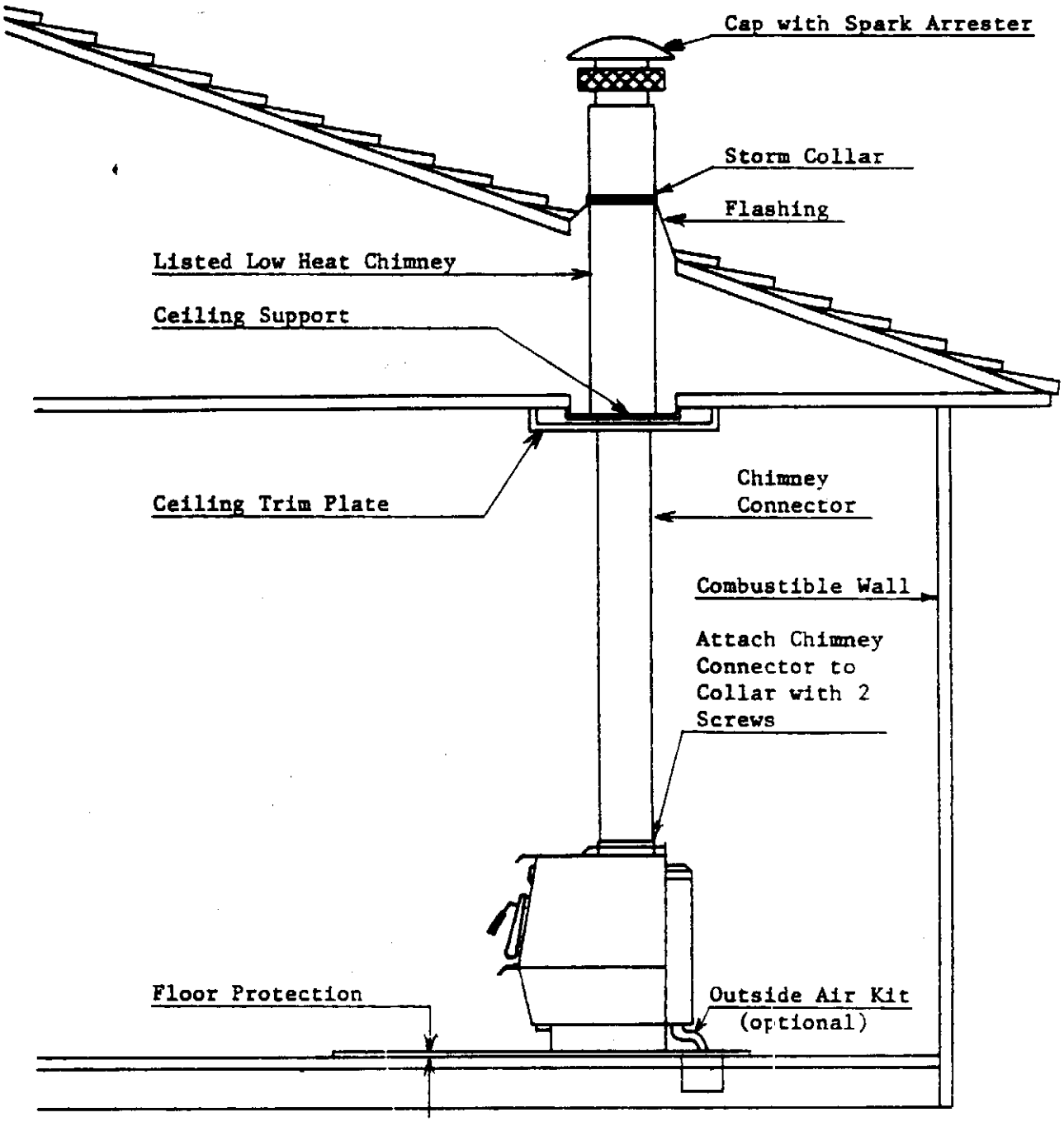


Figure 5: Residential Installation, with Prefabricated Chimney System.

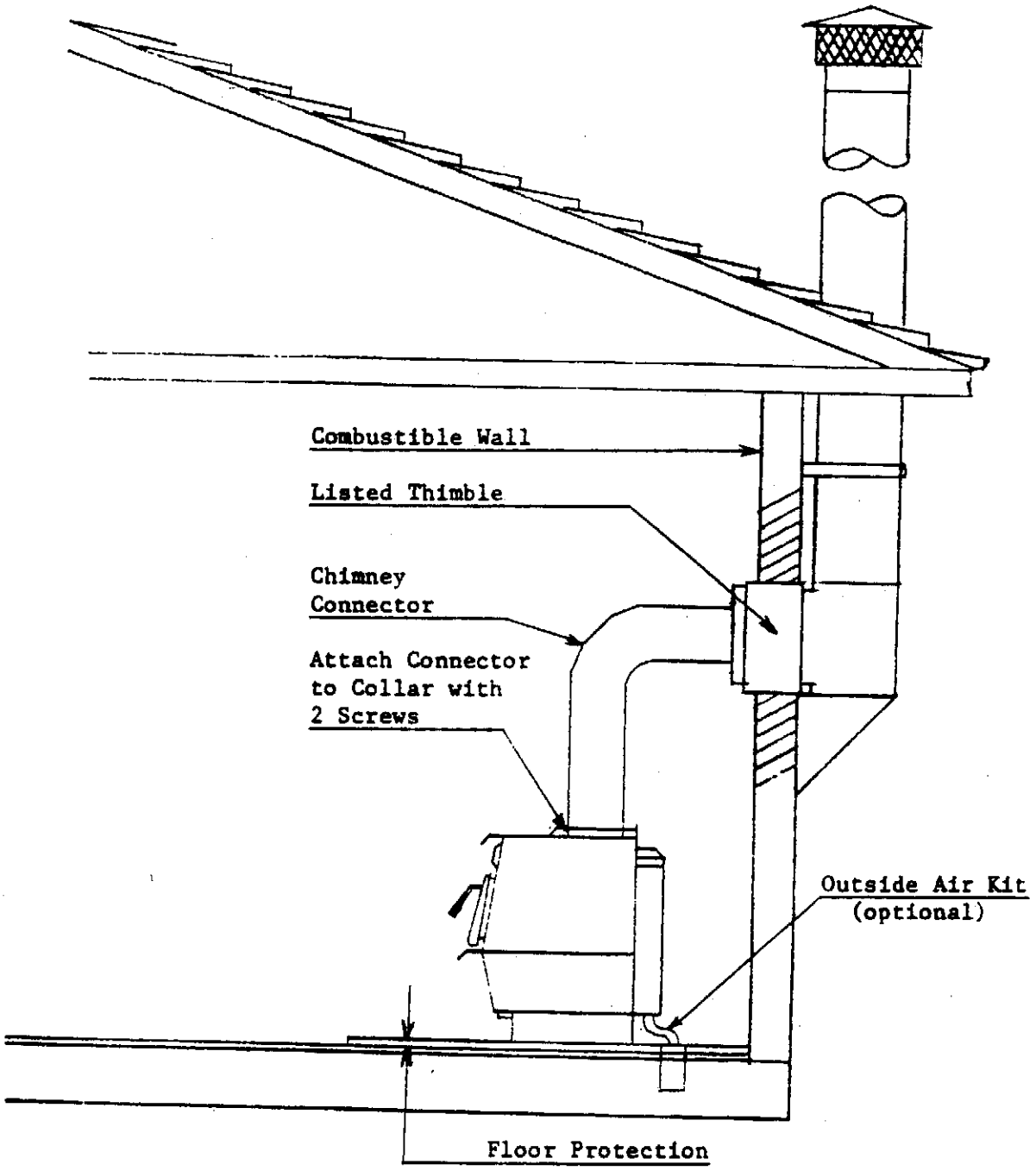


Figure 6: Residential Installation, with Prefabricated Chimney outside a combustible wall.

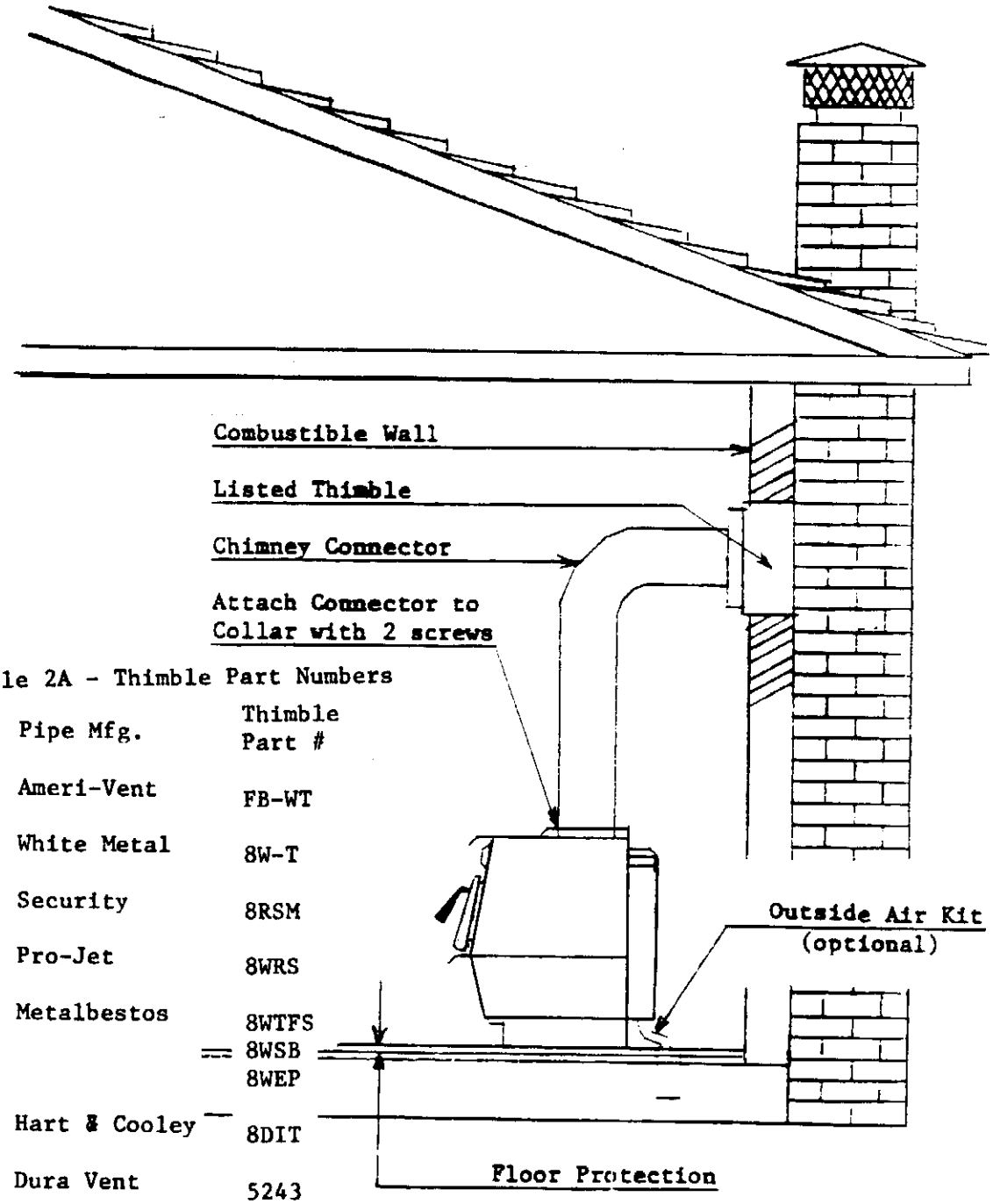


Table 2A - Thimble Part Numbers

Pipe Mfg.	Thimble Part #
Ameri-Vent	FB-WT
White Metal	8W-T
Security	8RSM
Pro-Jet	8WRS
Metalbestos	8WTFS 8WSB 8WEP
Hart & Cooley	8DIT
Dura Vent	5243
Dura Vent (DVL)	----

Figure 7: Residential Installation, using exterior masonry chimney

CREOSOTE/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.

SOOT: When coal is burned, the products of combustion combine with moisture to form a soot residue which accumulates on the flue lining. When ignited, this soot makes an extremely hot fire.

PREVENT CREOSOTE/SOOT FIRES: Inspect Chimney Connector and Chimney TWICE monthly and clean if necessary.

If creosote or soot has accumulated, it should be removed to reduce the risk of a chimney fire.

FUEL

THIS STOVE IS FOR USE WITH SOLID WOOD, BITUMINOUS COAL OR ANTHRACITE COAL ONLY.

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

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. It might even be a good idea to burn the first fire with the stove outside.

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

3. Place two or three large balls of crumpled paper in the front of the firbox. 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.

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

5. 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.

6. Close the door tightly and set the thermostat to midrange - adjust as required.

Probably the lease 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.

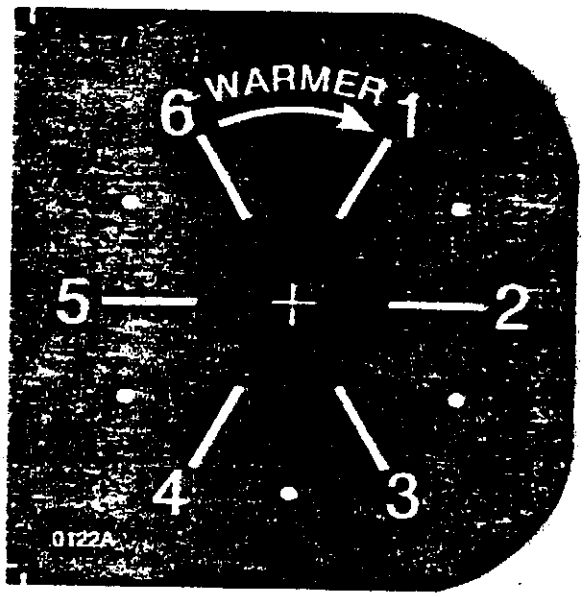
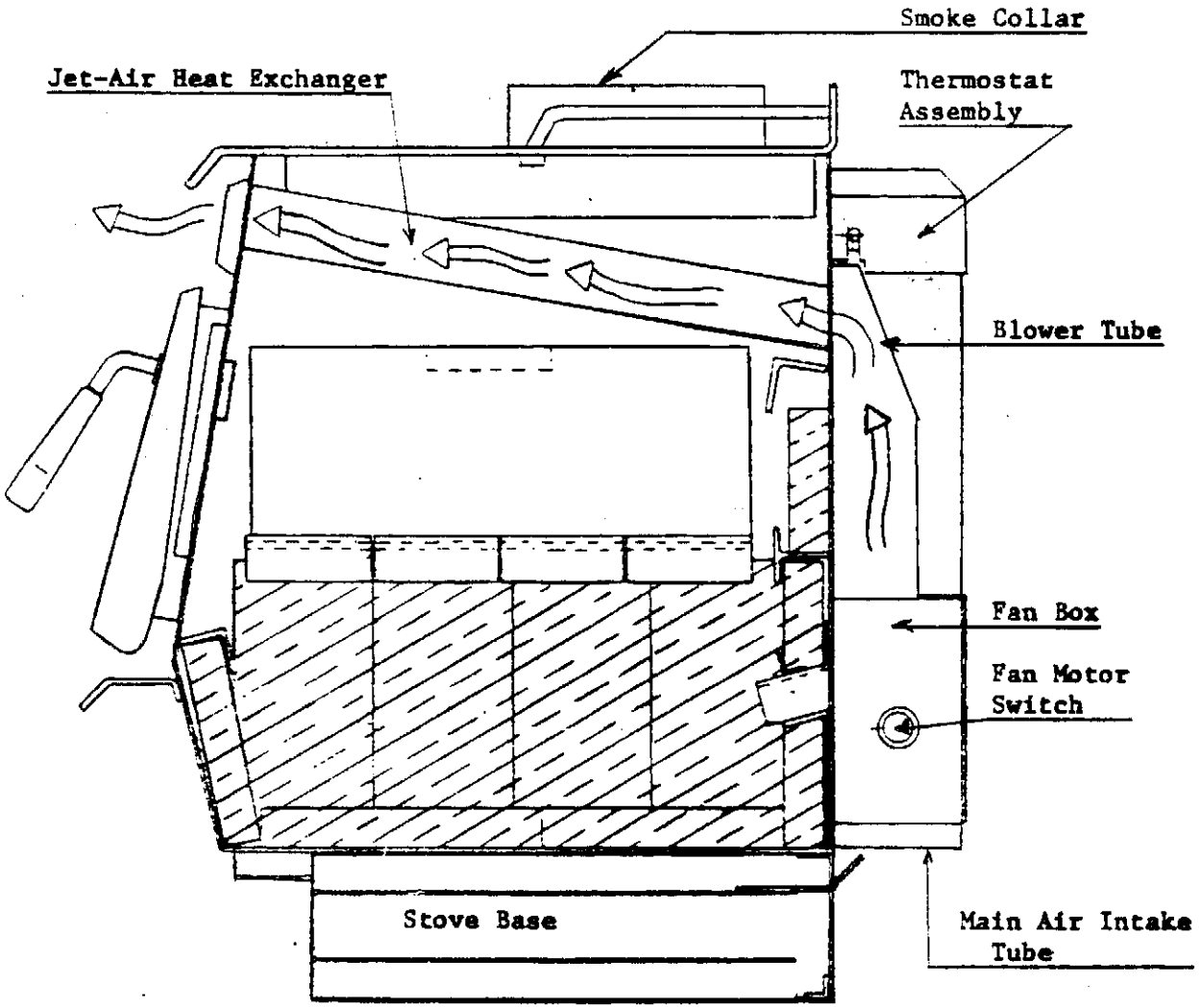


Figure 8: Thermostat Decal

Figure 9: Blaze King Woodstove - Cutaway diagram



RELOADING

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

WOOD: 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.

COAL: Place several pieces of 4" - 5" diameter coal on top of the hot bed of coals anc close the door. In about 20 minutes this coal should be burning readily and more coal can be added. Again, open the door slowly. Add more coal to the bed and close the door. Cotinue this building process until a bed of coal 4" - 5" deep is established. Caution: Loading too much coal too fast could smother the fire.

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 combustion, sending smoke into the room.

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 adjusted 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, such as ashes or a piece of wood, is not blocking the draft inlet inside the stove.

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.

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.

PAINT

If the 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.

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.

TABLE 3: REPLACEMENT PARTS

ITEM	PART #	DESCRIPTION
Ceramics		
Blaze King	0114	Orange, Brown, Blue, Green, Black
Blaze Princess	0116	Orange, Brown, Blue, Green, Black
Door Handles	0118	
Motors	0175AA	
Spray Paint	0128	Aerosol Can
Thermostat Knob	0102	
Outside Air Kit	0150	
Door Gasket	0180	
Door Glass (King)	0250AA	
Door Glass (Princess)	0251	
Rear Heat Shield (King)	3342B	
Rear Heat Shield (Princess)	2342B	

BLAZE KING - ADDENDUM 1
Model KWC-1400
RESIDENTIAL INSTALLATION, USING PREFABRICATED CHIMNEY

Refer to Figure 10.

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 position of the hole for the outside air pipe.
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 14-1/2" square hole and frame in both sides of this hole in both ceiling and roof. Refer to the pipe manufacturer's installation instructions. (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14-1/2".)
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.
9. Slide the stove back into position.
10. To start installing pipe, place the lower end of the first section of pipe inside the smoke collar.
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. Refer to pipe manufacturer's Installation Instructions.
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. Install the Storm Collar and Chimney Cap.
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 have been obtained, secure the Outside Air Hose to the Outside Air Flange with a small bead of 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. If push-nuts and bowed washers are used: After the rail is in place, hold it down from above, put the bowed washer on from below, place the push-nut in the open end of a 1/2" socket and push or tap it in place.

15. 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.
16. The Blaze King stove 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.

FLOOR PROTECTION

Floor protection material: 3/4" millboard or a listed floor protected or a noncombustible material equal to 3/4" thick millbord having a thermal conductivity of: K=0.84 BTU in/ft hr degrees F.

To provide the proper clearances from the door opening, the floor protector must be at least 34" x 46" and extend beyond the base:
7" from each side, and 6" from the back.
The floor protector must extend to the wall under a wall exit installation and must extend 2" beyond each side of the chimney connector.

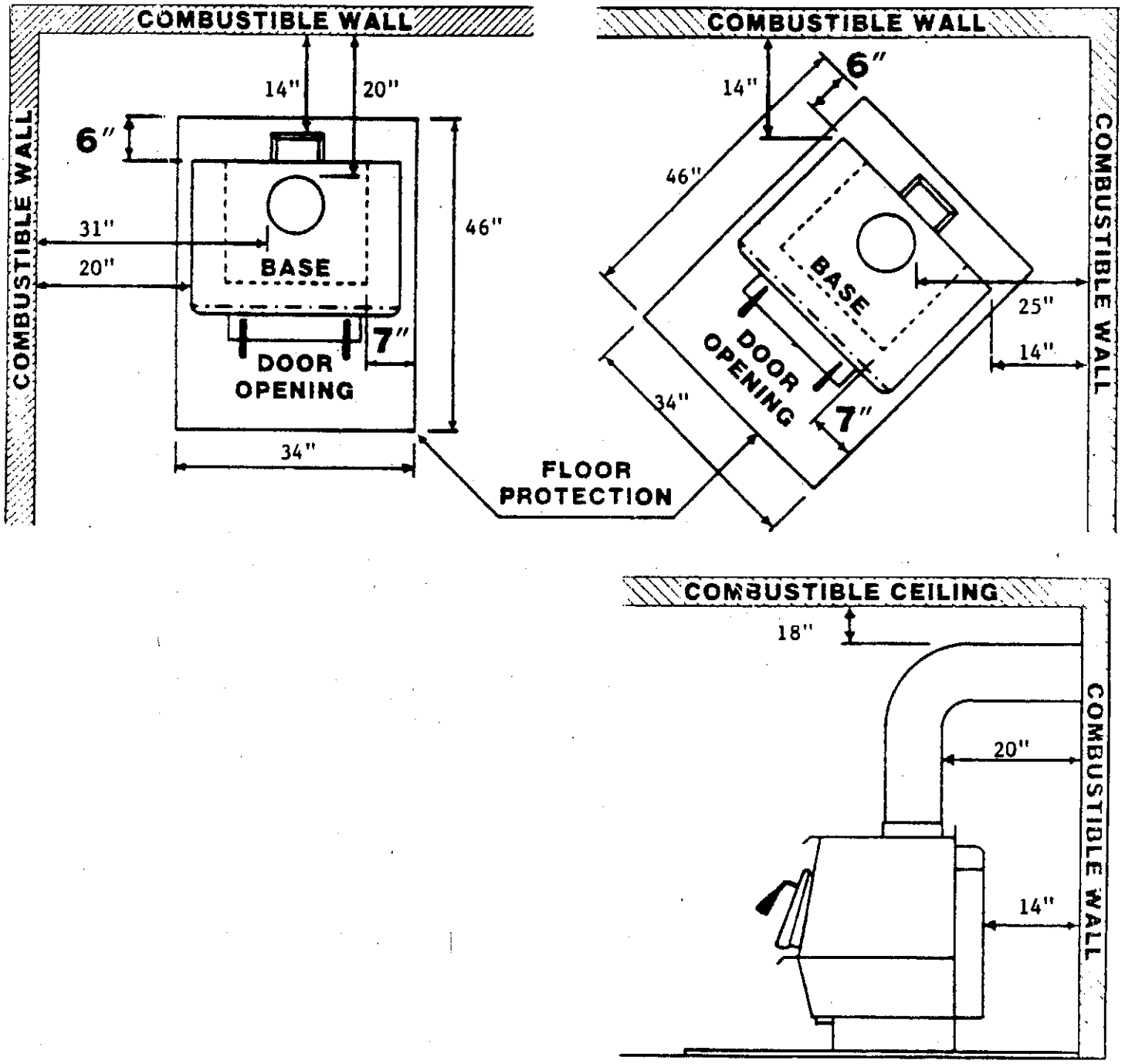
OUTSIDE AIR SUPPLY

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 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.

Figure 10: KWC-1400 Residential Installation

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



BLAZE KING - ADDENDUM 2
Model KWC-1400
MOBILE HOME INSTALLATION, USING PREFABRICATED CHIMNEY

Refer to Figure 11.

NOTE: For MINIMUM CLEARANCE resdential installations, use Addendum 2, a Rear Heat Shield, and Insulated Pipe components (Table 2). 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

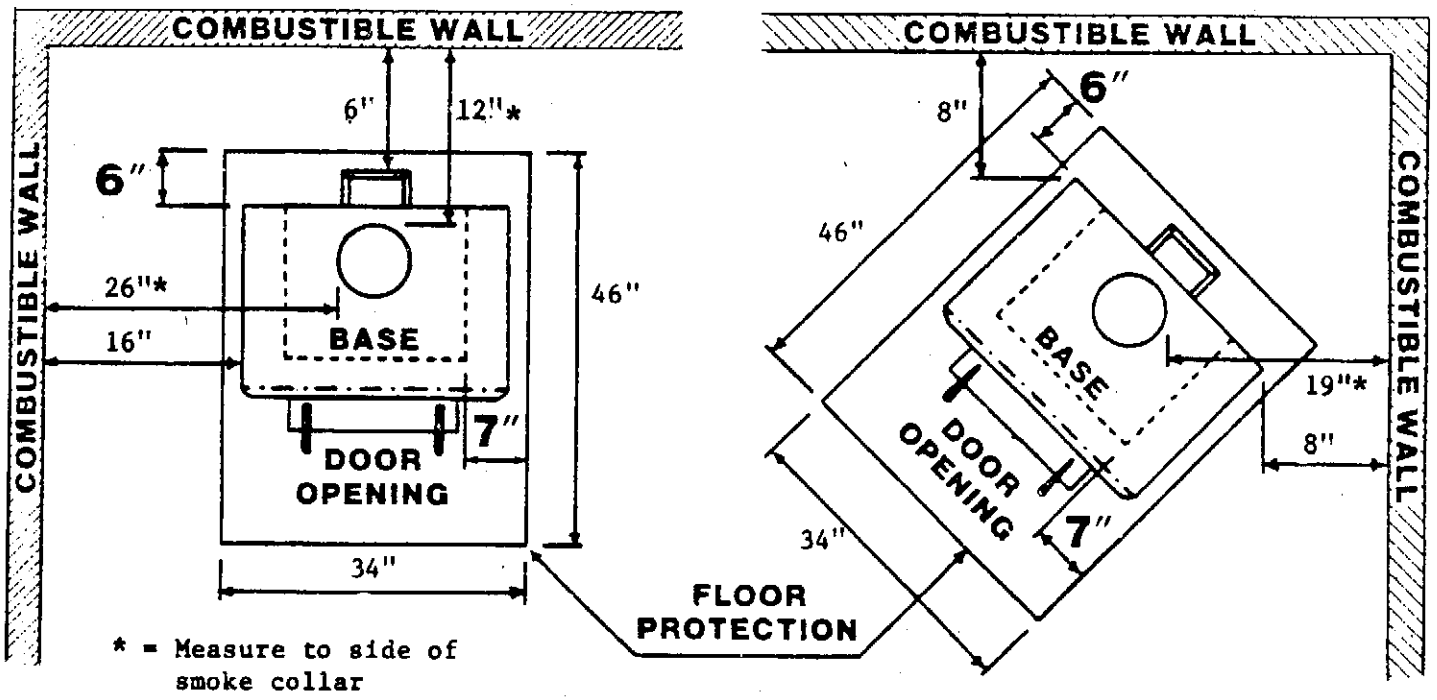
1. Set hearth and stove in location for marking holes in accordance with the dimensions listed on the label and figures of these instructions.
2. Mark the position for the hole in the ceiling and roof using a string and plumb-bob.
3. Check that the intended location will not interfere with floor joists, ceiling joists, or rafters before proceeding further.
4. Mark the positions for the tie downs 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 14-1/2" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14-1/2"). Refer to pipe manufacturers installation instructions.
8. Measure the distance form 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.
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 two remaining tie downs with the raised lip over the inside back edge of the stove base.
10. To start installing pipe, place the lower end of the first section of pipe inside the smoke collar.
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. Refer to pipe manufacturer's Installation Instructions.
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. Install the Storm Collar and Chimney Cap.**

next page

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 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 positin 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. If push-nuts and bowed washers are used: After the rail is in place, hold it down from above, put the bowed washer on from below, place the push-nut in the open end of a 1/2" socket and push or tap it in place.
15. Install the ceramic in 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.
16. The Blaze King 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.

Figure 11. KWC-1400 Mobile Home Installation

MINIMUM CLEARANCES TO COMBUSTIBLE SURFACES



FLOOR PROTECTION

Floor Protection Material: 3/4" millboard or a listed floor protector or a noncombustible material equal to 3/4" thick millboard having a thermal conductivity of K = 0.84 BTU in/ft hr degrees F.

To provide the proper clearances from the door opening, the floor protector must be at least 34" x 46" and extend beyond the base:
7" from each side, and 6" from the back.

BLAZE KING - ADDENDUM 3
Model PWC-1500
RESIDENTIAL INSTALLATION, USING PREFABRICATED CHIMNEY

Refer to Figure 12.

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 pipe.
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 14-1/2" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14-1/2"). Refer to pipe manufacturer's 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.
9. Slide the stove back into position.
10. To start installing pipe, place the lower end of the first section of pipe inside the smoke collar.
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. Refer to pipe manufacturer's Installation Instructions.
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. Install the Storm Collar and Chimney Cap.
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. If push nuts and bowed washers are used: After the rail is in place, hold it down from above, put the bowed washer on from below, place the push-nut in the open end of a 1/2" socket and push or tap it in place.
15. Install the ceramic in the ceramic ring. Mount the asesmbly 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.
16. The motors are equipped with a three-prong (grounded) plug to prevent shock hazard. THIS PLUG SHOULD BE INSERTD 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.

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 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.

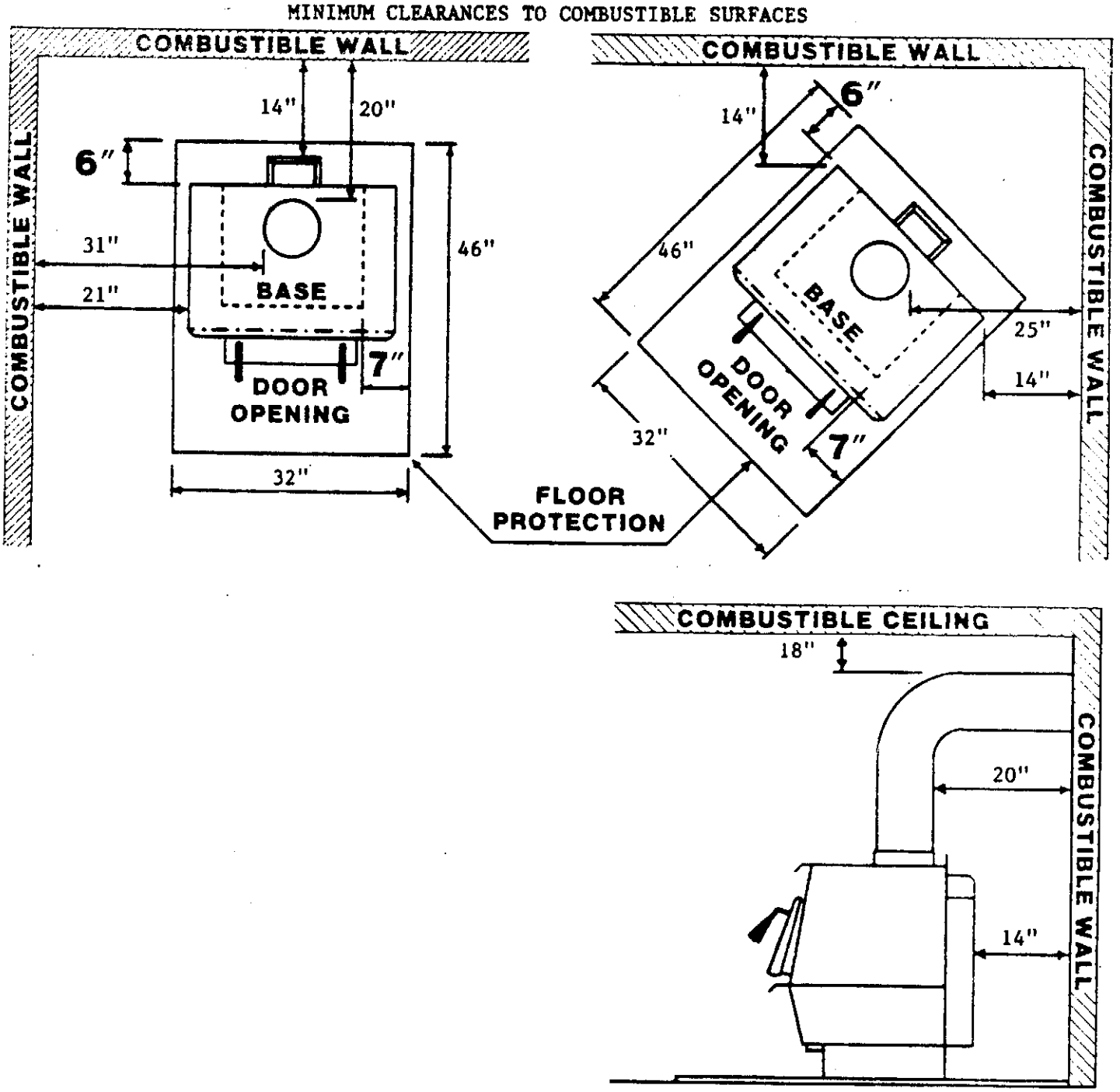
FLOOR PROTECTION

Floor protection material: 3/4"millboard or a listed floor protector or a noncombustible material equal to 3/4" thick millboard having a thermal conductivity of K = 0.84 BTU in/ft hr degrees F.

To provide the proper clearances from the door opening, the floor protector must be at least 32" x 46" and extend beyond the base:
7" from each side, and 6" from the back.

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

Figure 12: PWC-1500 Residential Installation



BLAZE KING - ADDENDUM 4
Model PWC-1500
MOBILE HOME INSTALLATION, USING PREFABRICATED CHIMNEY
Refer to Figure 13.

NOTE: For MINIMUM CLEARANCE residential installations, use Addendum 4 instructions, a Rear Heat Shield, and Insulated Pipe components (Table 2). 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 lab}l 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 tie downs 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 14-1/2" square hole and frame in both sides of this hole in both ceiling and roof (FOR SAFE INSTALLATION HOLE MUST NOT BE SMALLER THAN 14-1/2"). Follow the pipe manufacturer's 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.
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, place the lower end of the first section of pipe inside the smoke collar.
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. Refer to pipe manufacturer's Installation Instructions.

next page

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 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. Install the Storm Collar and Chimney Cap.

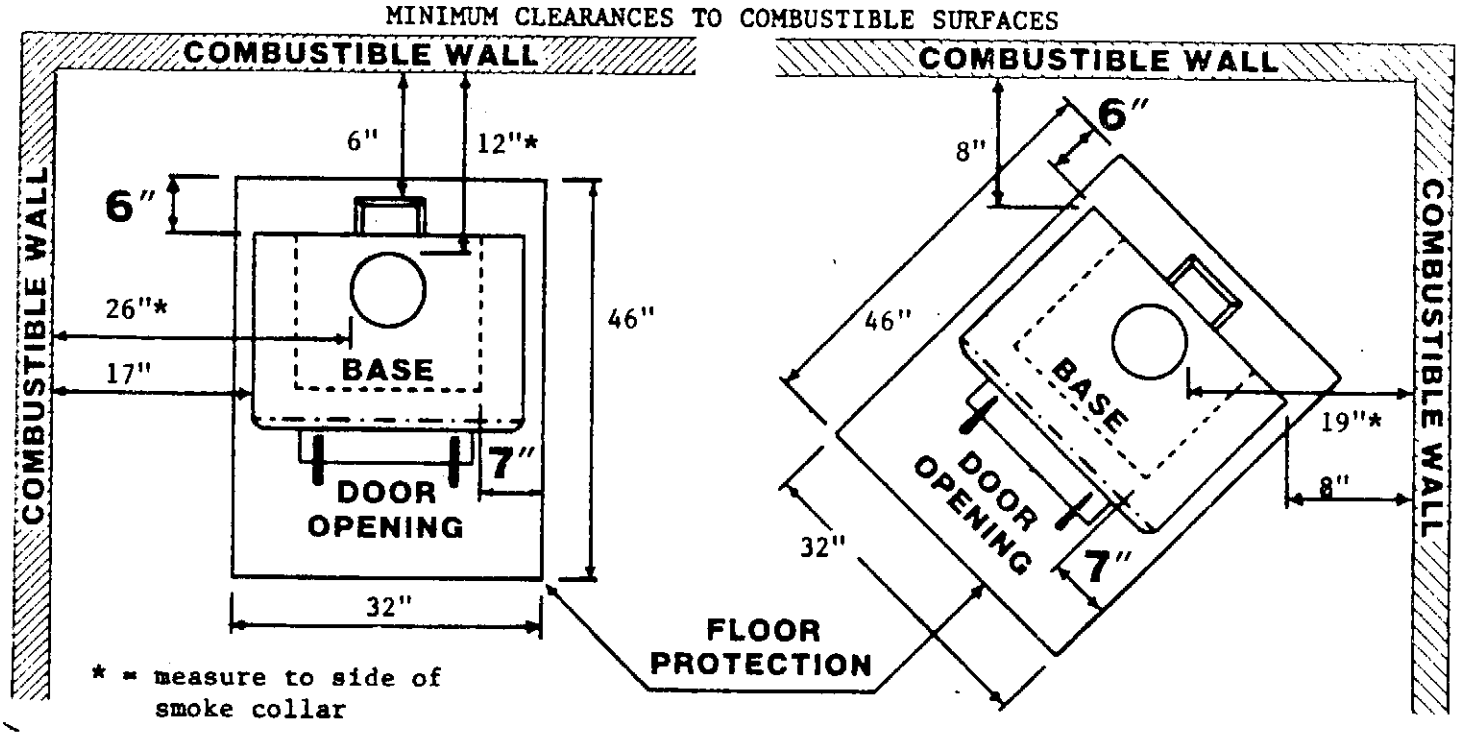
13. Install the Outside Air Pipe and secure to the floor. Attach the Outside Air Cap to the bottom of the main Air Intake Tube. Push a few inches of Outside Air Hose down through the hole in the Outside Air Flange. Place the Outside Air Hose Clamp over the top end of the Outside Air Hose and install 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. If push-nuts and bowed washers are used: After the rail is in place, hold it down from above, put the bowed washer on from below, place the push-nut in the open end of a 1/2" socket and push or tap it in place.
15. 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.
16. The 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 RECEPTABLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG. Do not route the power cord in front of this heater.

FLOOR PROTECTION

Floor protection material: 3/4" millboard or a listed floor protector or a noncombustible material equal to 3/4" thick millboard having a thermal conductivity of K = 0.84 BTU in/ft hr degrees F.

To provide the proper clearances from the door opening, the floor protector must be at least 32" x 46" and extend beyond the base:
7" from each side, and 6" from the back.

Figure 13: PWC-1500 Mobile Home Installation



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MANUFACTURED UNDER LICENSEE AGREEMENT

FROM: WOODCUTTERS MFG., INC.
3301 E. ISAACS
WALLA WALLA, WA 99362

BY:

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OWNER'S INSTALLATION AND OPERATION INSTRUCTION BOOK

Blaze® King

WOOD STOVES

BLAZE KING WOOD/COAL STOVE

Model KWC-1400
Model PWC-1500

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