

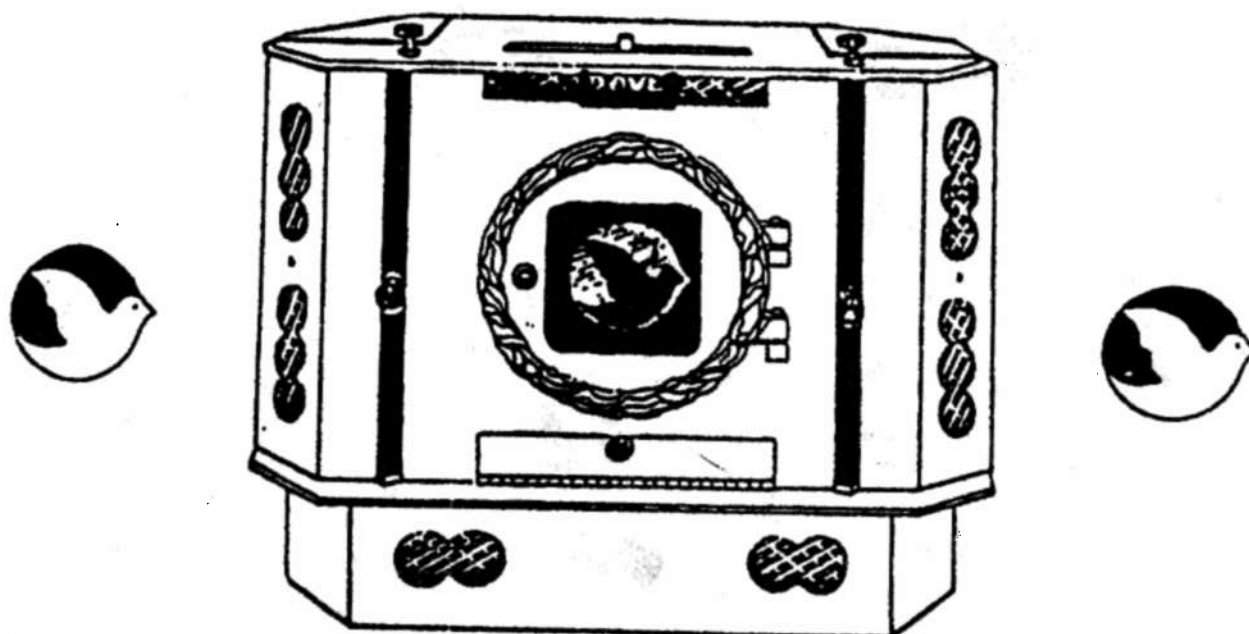
SER. 2045

DOVETECTM

CORN HEATER

patent pending

© 1987



INSTRUCTIONS

DOVETEC HEATING SYSTEM
FIREPLACE INSERT AND FREESTANDING STOVE

FEATURES

Preparation--Installation--Operation
Maintenance Safety

BUCKNER ENTERPRISES CORPORATION 1987
U.L. LISTED STANDARD NUMBER 1482. FILE NUMBER MH 13903

DEAR CUSTOMER:

You have just purchased a DOVETEC Corn Heater. Each part of your unit is of high quality material and workmanship. We are quite sure that after a short time of using your heating unit, you will be convinced you have made a wise decision in buying the DOVETEC Corn Heater.

The purpose of this manual is to help you get the maximum enjoyment and heating efficiency from your unit. By following these instructions and suggestions, you can be assured years of safe and economical heating for yourself and your family.

THANK YOU for buying a DOVETEC.

SAFETY NOTICE

If this stove is not properly installed, a house fire may result. For your safety, follow the directions given in this manual. Contact your local building or fire officials about restrictions and installation requirements in your area. The manufacturer assumes no responsibility for equipment installed in violation of either this manual or local codes and ordinances.

INTRODUCTION

The DOVETEC heating system is designed, engineered and built to provide you with a safe, efficient heating unit.

The DOVETEC heating system has successfully undergone over fifteen different safety and performance tests in accordance with U.L. 1482 and is Listed for your safety and protection.

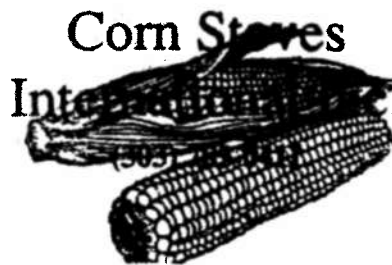
For you to realize all the advantages of the reliable service that have been engineered into your DOVETEC you must follow all the instructions contained in this book.

Before attempting to install or operate your DOVETEC, you should familiarize yourself with the components and operating controls of the unit.

READ ALL INSTRUCTIONS BEFORE INSTALLING OR USING THE APPLIANCE

****CAUTION****

The DOVETEC heating system is designed and engineered to burn shelled corn and/or wood pellets only.



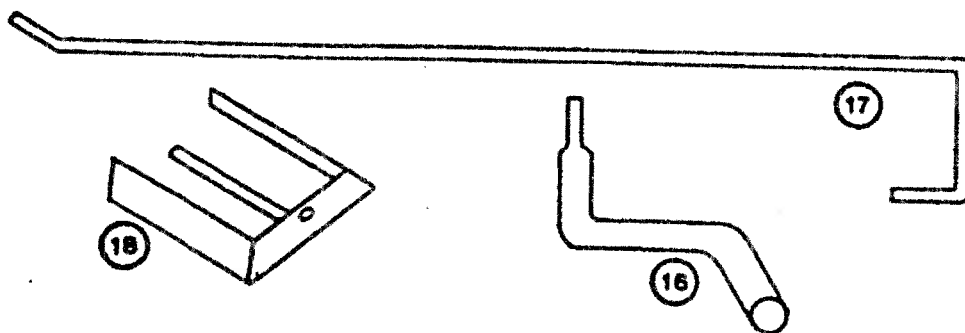
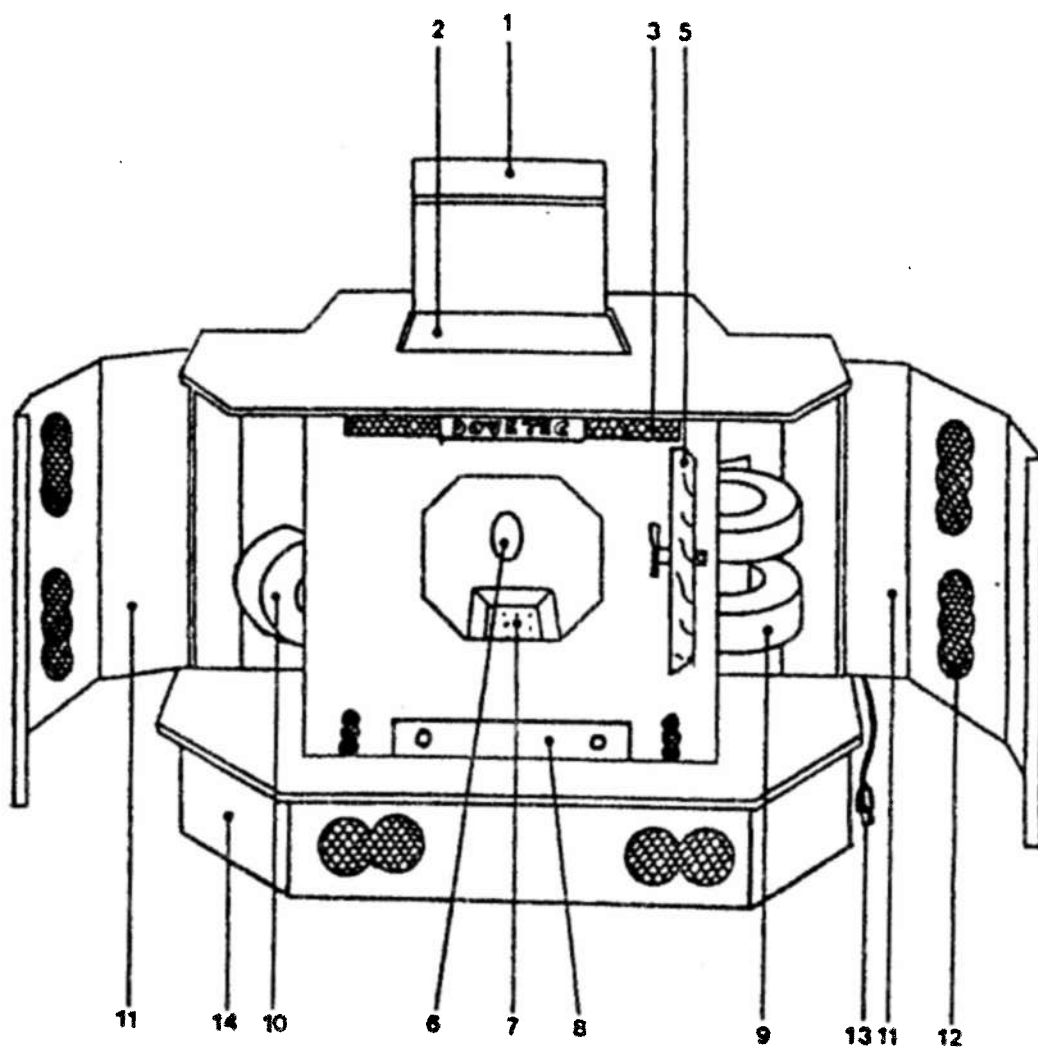
3942 S. FEDERAL
ENGLEWOOD, CO 80110

TABLE OF CONTENTS

Introduction.....	1
DOVETEC Features.....	3
Section I FIREPLACE INSERT INSTALLATION.....	5
Required Fireplace Dimensions	5
Minimum Clearance.....	5
Pre-Installation.....	6
Installation.....	7
Mounting the Upper Trim Panel.....	8
Section II FREESTANDING INSTALLATION.....	10
Minimum Clearances.....	10
Installation.....	12
Section III MOBILE HOME OR PRE-MANUFACTURED HOMES.....	13
Section IV SAFETY.....	14
Section V OPERATION.....	16
Final Check.....	16
Ignition/Shut-Down.....	16
Control Panel.....	17
Helpful Hints.....	18
In the Event of A Power Failure.....	18
Section VI FACTORY RECOMMENDED MAINTENANCE.....	19
WARRANTY.....	21
.....	22
OWNERS REGISTRATION CARD.....	23

DOVETEC FEATURES

1. Hopper Door: Double hinged for ease of refueling when stove is inserted or freestanding. Safety latch on door prevents the lid from falling shut when fully open.
2. Hopper or Fuel Bin: 70 lb capacity.
3. Warm Air Vents: Warm air exits stove to heat room.
4. Control Panel: See figure on page 17.
5. Door: Cast iron door with decorative brass wreath provides an airtight seal which prevents the loss of combustion air.
6. Fuel Feed Tube
7. Burner Box: Carefully designed to supply the correct amount of air needed for efficient combustion at all timer settings. Constructed of stainless steel.
8. Ash Pan: Unscrew decorative brass knobs and remove ash pan to clean out ashes.
9. Warm Air Circulation Blower: Double blower unit developing 320 CFM of air circulating through your home. Takes the cool room air into the unit, heats it, then expells it, thereby heating your home.
10. Combustion Air Blower: Supplies air to the burner box.
11. Blower Compartment Doors: Allows for easy access to blowers for maintenance and any needed repairs.
12. Room air intakes for Warm Air Circulation.
13. Power Cord: To 115 V 60 HZ.
14. Freestand Support Base
15. Outside Air/Exhaust (OAX) Box: Adapter panel secured to rear of stove, aids in drawing outside air for combustion.
16. Door Handle: Removable handle opens the door when turned clockwise. To close, turn counterclockwise. Return handle to the holder bracket on the right side of the unit until needed again.
17. Klinker Tool: Makes removing the klinker an easy task.
18. Burner Kit: Designed to sit on top of the burner box to provide a hotter, cleaner, and more efficient fire.



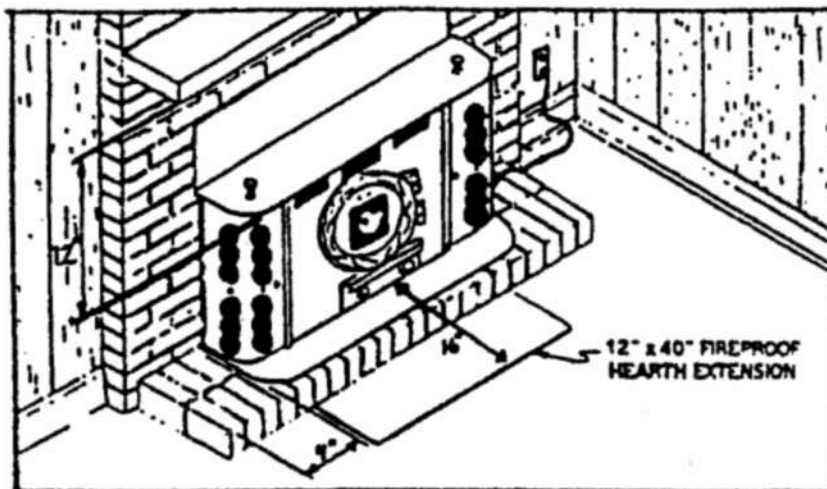
SECTION I: FIREPLACE INSERT INSTALLATION

REQUIRED FIREPLACE DIMENSIONS

The minimum/maximum dimensions required are:

Height.....23-31 inches
Width.....26-38 inches
Depth.....18 inches min

MINIMUM CLEARANCES



Your DOVETEC insert should meet the following clearances:

1. There should be a hearth extension to at least 16" in front of the fireplace and at least 4" to the sides.
2. A floor protector must be used in front of the hearth to protect combustible materials. The floor protector must measure a minimum of 40"x12". The floor protector must be constructed of non-combustible, inorganic material equal to one layer of 3/8" thick millboard having a thermal conductivity of $K=0.21 \text{ in./Ft}^2\text{-Hr } 0 \text{ F}$ or U.L. Listed floor protectors equivalent to this combination.
3. There must be a minimum of 4 inches between the side of the fireplace opening and any combustible materials, or 18 in. between the DOVETEC firebox opening and any combustible material.
4. If your fireplace has wood trim or a wood mantle, there must be at least 12 " between the top of the DOVETEC and any part of the trim or mantle, including supports.

PRE-INSTALLATION

FIREPLACE PREPARATION

1. Locate furniture and other materials a minimum of 36" from the front of the fireplace to allow access.
2. Cover the hearth and adjacent areas with a drop cloth to protect from soiling or marring the surfaces.
3. Remove the existing fireplace damper plate.
4. Thoroughly clean the fireplace and chimney of ashes and soot.
5. Check the chimney to ensure that it is of sound construction in accordance with NFPA Code 211. If deterioration is noted during inspection, the DOVETEC should not be installed until suitable repairs are made.
6. If the fireplace hearth is equipped with an ash dump, the door over the dump hole should be removed, and the plate or cover on the outside removed. Thoroughly clean the dump of all ashes and debris. Fabricate a screen of 3/8", or less, expanded metal or screen and cover outside hole to prevent rodents, birds, etc. from entering. Back inside the home--measure the location of the ash dump opening in relation to the stove bottom. If it is determined that the stove will block the trap door, then the unit must be raised approximately 1/2 inch to allow fresh combustion air to enter the fireplace area and to be drawn into the unit. Any suitable non-combustible shim stock such as 1/2" angle iron may be used to raise the unit. If the ash dump opening is far enough to the rear of the hearth so that it will not be covered by the stove bottom, then it is not necessary to raise the unit off the hearth.

UNIT PREPARATION

1. Remove the protective plastic wrapping from the unit.
2. Inspect the unit for any obvious physical damage.
3. Open hopper and remove door handle and klinker tool.
4. Open the firebox door and remove the brass knobs stored there.
5. Remove the brass knob from each side blower compartment door and visually inspect for any loose wiring or mounts that may have occurred during handling.
6. Mount the larger decorative brass knobs onto the top of the stove in the holes provided accessible via the blower compartments.
7. Close blower doors and resecure.
8. Close and lock firebox door making sure the latch is tight and locks with a reasonable amount of force.

INSTALLATION

Following, are three suggested methods of installing the DOVETEC into a masonry fireplace. The method you use depends on what type of fireplace hearth is in your home.

1. If the fireplace is equipped with an ash dump and has been prepared as directed previously, install as follows: Remove the OAX box from the rear of the unit. Attach a 3" smooth elbow to the exhaust outlet. Attach a 3" dia. smooth or 4" dia. flex pipe long enough to carry the exhaust above the smoke shelf (damper) of the chimney. This exhaust pipe must be stainless and the connection should be secured with 2 Tek Drill screws. Be sure that the ash dump door is open to provide the unit with fresh air. Guide the flex pipe up the chimney and slide the stove into the fireplace. Seal the top of the unit as described later. If the unit has been raised, the space between the bottom of the unit and the hearth must also be sealed.
2. If the fireplace hearth is not equipped with an ash dump, there are two methods suggested for installation. One is to use the OAX (outside air/exhaust) adapter box to allow fresh air to be drawn into the unit. This method requires the fireplace depth to be a minimum of 27".
 - a) Attach a 3" diameter stainless steel flex tubing to the exhaust pipe on the rear of the unit long enough to reach the smoke shelf (through the damper opening).
 - b) Slide the adapter box over the flue end of the exhaust tube, through the small opening, and mount the box to the stove with Tek screws provided. Check the connection of the 3" flex tube to the exhaust pipe.
 - c) Measure and cut a piece of 6" flex tubing long enough to extend from the adapter box out the top of the chimney. With the stove sitting on the hearth, part way inserted into the fireplace, connect the 6" flex tubing to the adapter ring on the box. Secure with Tek drill screws.
 - d) Slide the stove back into the fireplace and seal as described later.
3. The second method of inserting the unit into a fireplace without an ash dump is more simple but may require inspection and maintenance on a more frequent basis. Follow the instructions given for method #1, with the difference being that there is no ash dump door allowing outside air into the unit. Instead, the unit will pull combustion air from within the fireplace cavity and may possibly pick up debris and fly ash, therefore requiring more frequent cleaning and maintenance of the air flow system. Seal the unit accordingly. ****CAUTION**** If this method is used the unit must be sealed airtight to prevent combustion air from being drawn from within the house..

MOUNTING THE UPPER TRIM PANEL & SEALING THE UNIT

1. Before attaching the upper trim panel to the stove, measure to be sure that the trim panel will cover the opening left between the stove and the masonry of the fireplace. If the trim does not cover the entire opening, a panel of greater height and/or width to fit the larger dimension is available.
2. Using the Tek drill screws provided, attach the upper trim panel to the stove and fasten securely. (See Figure 4)
3. Caulk with an RTV high temperature silicone cement along the back edge of the trim panel as shown in Figure 5. Make sure all cracks or openings along the back edge where the trim panel and the stove join, are cemented.
4. Place the fiberglass strip (1" wide x 1/2" thick, backed with adhesive) on the back of the trim panel, across the top and down both sides, as illustrated in Figure 5 as a dotted line section.
5. The DOVETEC should be centered in the fireplace.
6. When the unit is slid into position in the fireplace, the insulation should be depressed against the masonry, sealing the entire edge of the fireplace edge. It will appear flush from the side (Figure 6). This will prevent loss of warm air up the chimney.

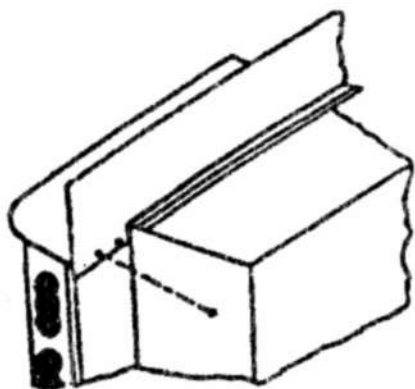


Figure 4

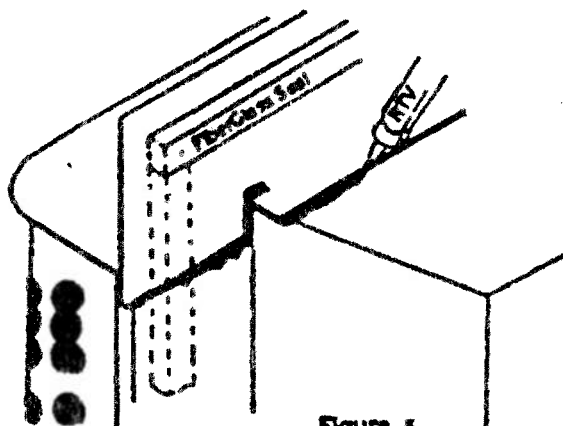


Figure 5

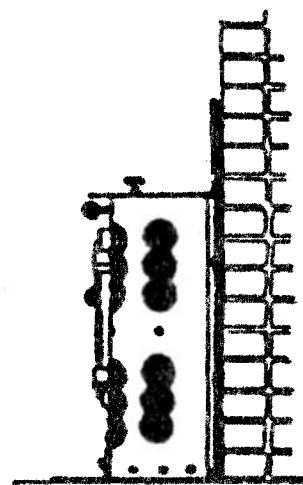


Figure 6

SECTION II: FREESTANDING INSTALLATION

MINIMUM CLEARANCES

Minimum clearances from combustible back and side walls is 4", measured from the top rear corners of the DOVETEC (or 2" from the outside air/exhaust box). See Figures 8, 9, 10.

Be sure that the exit termination of the combined outside air/exhaust system is located in accordance with the following:

- 1) Not less than 3 ft. above any forced air inlet located within 10 feet.
- 2) Not less than 4 ft below, 4 ft horizontally, or 1 ft above any door, window or gravity air inlet into any building.
- 3) Not less than 2 ft from an adjacent building and not less than 7 ft above grade when located adjacent to public walkways.

The unit must be placed on a non-combustible pad if the floor of the house is of combustible material. The pad must meet the following minimum specifications:

- 1) a UL Listed floor protector or a floor protector made of a non-combustible inorganic material equal to 3/8" thick millboard having a thermal conductivity of $K=0.21$ BTU (in/ft 2-HF).

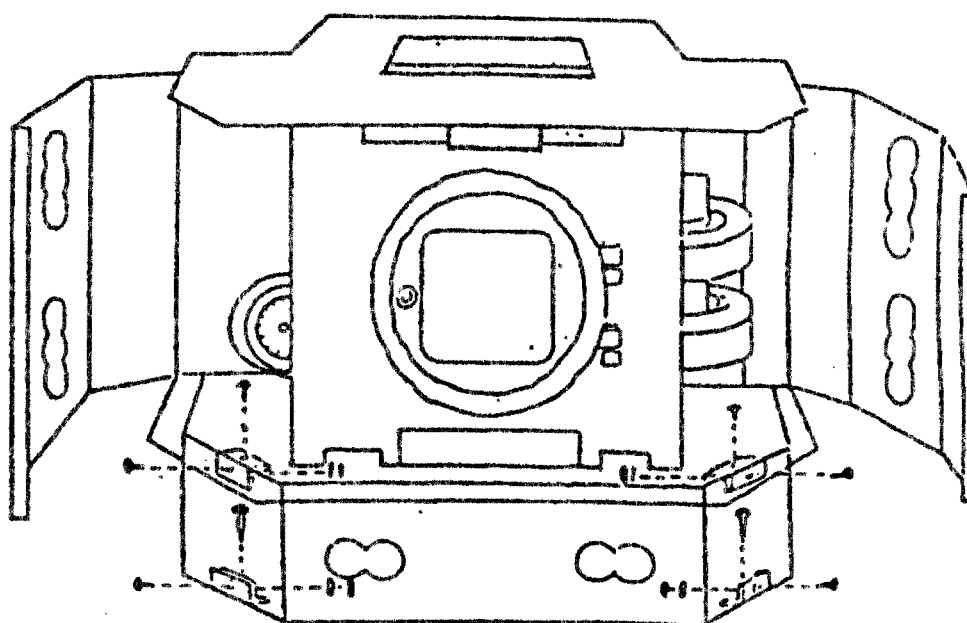
LOCATION

Your new DOVETEC should be installed in a location that takes full advantage of its heating capabilities. A location that will give the best air flow from the front of the unit to the remainder of the house is ideal.

INSTALLATION

Your DOVETEC is designed for connection to the 3" diameter exhaust pipe, that can be purchased from the dealer, exiting straight out the back of the unit and through the existing wall.

To install, use support base with two brackets and screws; and use the outside air/exhaust pipe assembly with mounting tabs, spark arrester, rain shield and Tek drill screws for attachment.



HARDWARE NEEDED:

4-90° Brackets
2-1" x 3/8" Leg Screws
4-1" x 10-32 Bolts
4-No. 10 Washers
4-10-32 Nut
2-10-16-3/4" Tec Screws

FIGURE 12

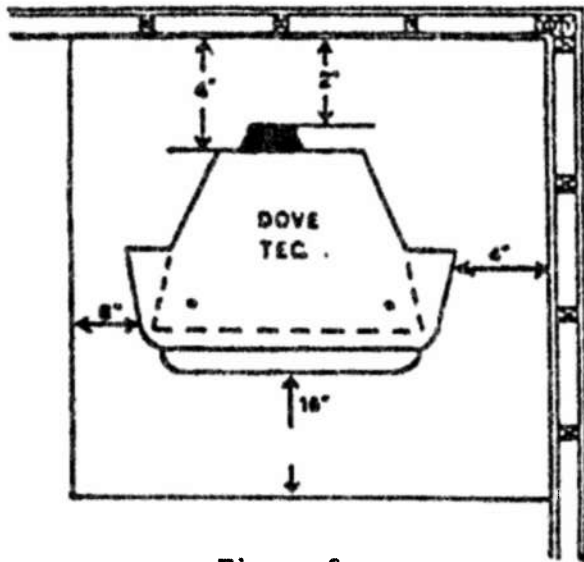


Figure 8

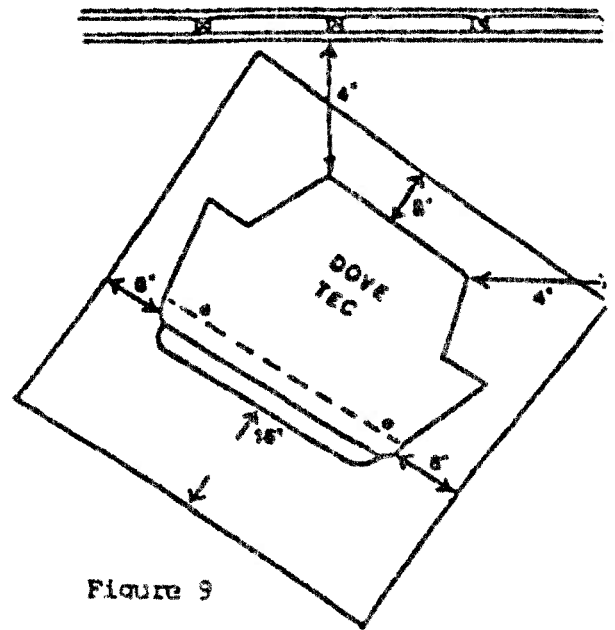


Figure 9

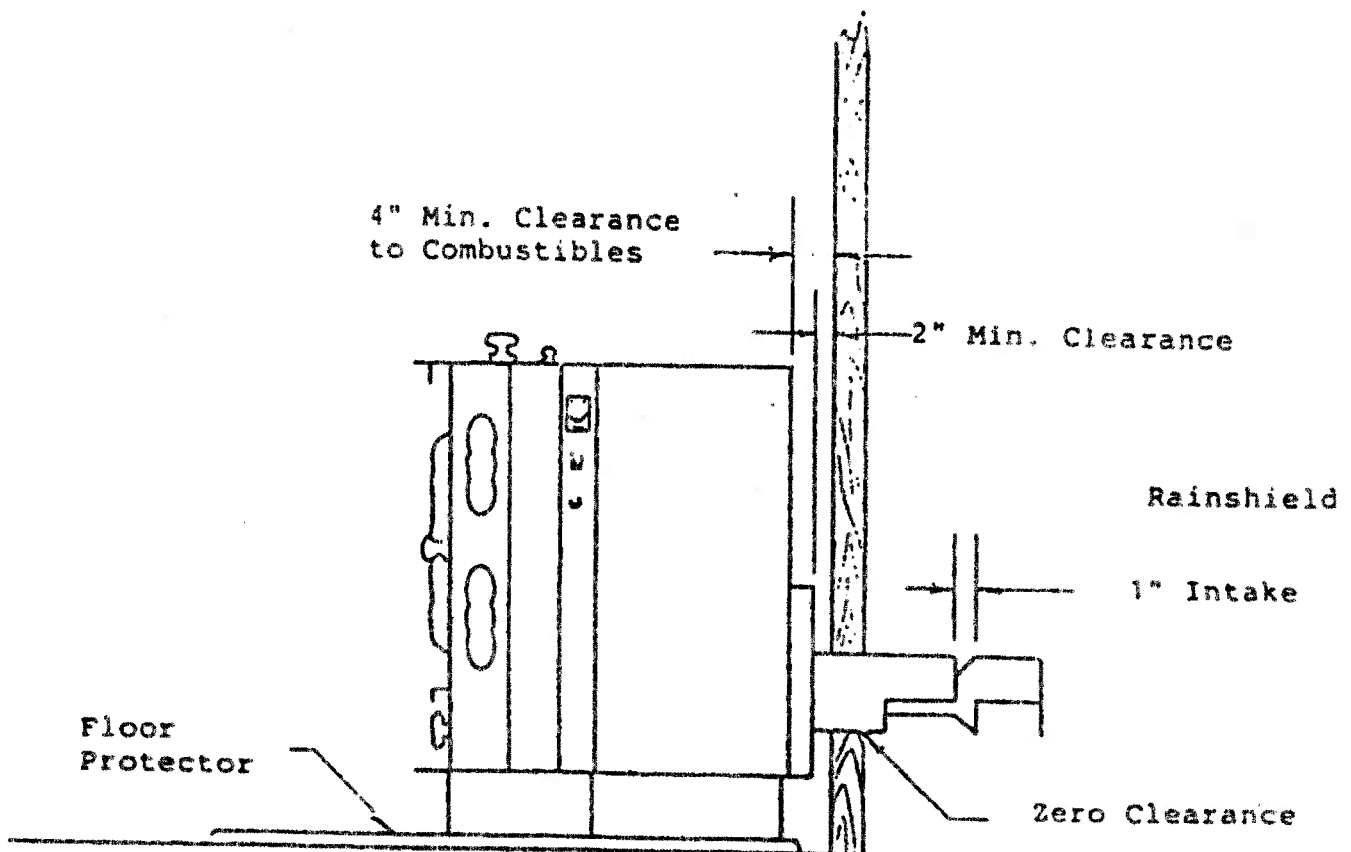


FIGURE 10

INSTALLING

1) After your DOVETEC has been properly positioned on the protective pad and proper clearances met, mark the center position on the wall for cutting the outside air/exhaust vent hole. Move the unit to make room to work.

2) Cut the hole for the vent pipe. Check to make sure the pipe assembly will fit snugly without damaging the pipe.
NOTE: It is not necessary to have air space around the pipe, as it is designed and UL Listed for zero clearance.

3) After proper fit of the pipe has been accomplished, move the DOVETEC back into position.

4) From the outside of the home, push the pipe through the wall and connect securely to the outside air/exhaust box (OAX). Tabs are provided to anchor the outside pipe to the OAX box.

5) Install the rain shield and spark arrester to the end of the pipe (see Figure 10). Make sure there is 1" of air space between the rain shield and the spark arrester.

6) Caulk around the pipe, inside and outside the home, with RTV silicone. Use a trim ring if desired.

SECTION III: MOBILE HOME INSTALLATION

Extreme care should be taken when installing a DOVETEC in a mobile or pre-manufactured home. Be sure to read the entire manual carefully, paying particular attention to Section II, "Freestanding Installation", when it comes to installing your unit. In addition to the instructions previously set forth in this manual, there are requirements mandated by the Housing and Urban Development (H.U.D.) of the Federal Government, which apply.

Briefly, these requirements are as follows:

- A. The structural integrity of the home must be maintained. In other words, you cannot cut a floor joist, wall stud, or rafter truss when installing your DOVETEC.
- B. Outside air must be vented to the combustion box.
- C. The outside air/exhaust pipe must be terminated with a rodent cap.
- D. The DOVETEC cannot be installed in any room used for sleeping.
- E. When installing as a freestanding unit, follow "Freestanding Installation" directions, with the addition that the unit must be anchored to the floor of the home. This may be accomplished in the following steps:
 - 1) Place the base exactly in its pre-determined position. Use two 90 degree L-brackets from your kit and anchor to the floor using 1" leg screws. Drill a 1/4" hole through the base and secure the brackets to the base using two of the 10-32 bolts, #10 washers, and 10-32 nuts provided. Tighten securely. See Figure 12.
 - 2) Carefully measure and position the two top mounted brackets. Drill 1/4" hole on each side of the base top and secure the brackets to the support base using the two remaining 1" 10-32 bolts, washers, and nuts.
 - 3) Place the unit on the base and carefully align it making sure that the outside air/exhaust pipe fits properly, and that all clearances have been met. The base should be recessed approximately 1" from the edge of the bottom of the unit.
 - 4) Drill one 1/4" hole just inside each blower compartment through the bracket, and secure with the 10-16 x 3/4" Tek drill screws provided. See Figure 12.
- F. When installing as a fireplace insert, follow "Fireplace Insert" directions, as given in Section I. Most mobile home fireplaces are equipped with a side vent for air, and if this is so, the installation should follow method #1 (like that for a fireplace with an ash dump). The side vent should be left open to provide fresh air needed for combustion, as long as the vent opening is covered with wire screen to prevent entrance of rodents, birds etc.

SECTION IV: WOOD PELLET & SHELLLED CORN HEATING SAFETY

Certain safety hazards are inherent in any solid fuel unit installation. You should be aware of these so that a safe and proper installation can be made.

1. Prior to building your first fire, the manufacturer recommends that your DOVETEC installation be inspected by the local governing authority having the jurisdiction to ascertain that all code requirements have been complied with. If such inspections are not possible, the owner should acquaint themselves with the following:
 - a) National Fire Protection Association, Standard 211, 1985 or latest edition. Address of NFPA is: Battery March Park, Quincy, MA 02269.
 - b) 1976 edition of the Uniform Mechanical Code, Section 915.
2. Faulty Chimney: an older masonry chimney should be thoroughly checked to be sure there are no holes or weak spots which could allow sparks or hot gases to escape.
3. Heat Conduction: Placing combustible materials too close to the unit or chimney can be a fire hazard.
4. Use shelled corn and/or 1/4" wood pellets ONLY!
5. Use a spark arrester and rain shield on your exhaust pipe.
6. Use smoke detectors around the unit as well as in sleeping areas, halls, etc.
7. Always keep a fire extinguisher rated for class "A" fires near the unit.
8. Check with your insurance company to be sure your policy covers the use of a solid fuel stove.
9. Though your DOVETEC burns exceptionally clean, formation of some creosote may occur when burning wood pellets over an extended period. The chimney connector, rain cap, spark arrester and chimney should be inspected at least twice monthly during the heating season to determine if a creosote buildup has occurred. Remove if this occurs.
10. Locate furniture and any other combustibles at least 36" inches away from the unit.
11. Store wood pellets and shelled corn a safe distance from the unit in a dry, well ventilated location.
12. Ash removed from the stove should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible material, pending final disposal. If the ashes are to be buried, they should be cooled thoroughly first.
13. Do not remove the brass knobs from the blower access door when there is a fire burning.
14. Do not operate the stove with ash pan removed.
15. Intended for use only with shelled corn or 1/4" wood pellets.

NEVER:

- 1) Use gasoline, gasoline type fuels, lantern fuels, kerosene, diesel fuel, charcoal lighter fluid or similar fuels to start or "freshen up" a fire. Keep all such flammable liquids well away from the unit while in use.
- 2) Burn the unit without the burner in place.
- 3) Try to burn paper.
- 4) Attempt electrical repairs.
- 5) Leave small children unattended while unit is in use.
- 6) Tamper with electrical components with unit plugged in.

SECTION V: OPERATION

FINAL CHECK

Before operation of your DOVETEC:

1. Recheck all specified clearances.
2. Make sure no foreign material has been dropped into the fuel bin (hopper).
3. Be sure the power cord is not under the hearth plate or in front of the unit.

NOTE: Your DOVETEC is painted with a specially formulated high temperature paint that cures during the first few hours of operation. You may notice smoking or an odor of burning paint during the first few hours of operation. This is normal and is no cause for alarm (though these fumes can activate a smoke alarm). We suggest pre-burning your unit outside of the home until the smoke and fumes cease to occur.

IGNITION PROCEDURE

1. Fill the fuel hopper with corn* and/or 1/4" wood pellets.
2. Plug the power cord into a properly grounded 115V AC receptacle.
3. Turn timer setting to a high position (recommended time: on-5, off-5).
4. Open door and fill burner box with wood pellets approximately one inch below top edge of box.
5. Turn on combustion blower switch.
6. Place lighted piece of fire starter on top of pellets. (Pellets may also be lit using propane soldering torch)
7. Place burner kit on burner box and close door.

NOTE: If auger is not primed it may be necessary to hand feed the fire with a small amount of wood pellets until the auger begins to deliver fuel to the burner.

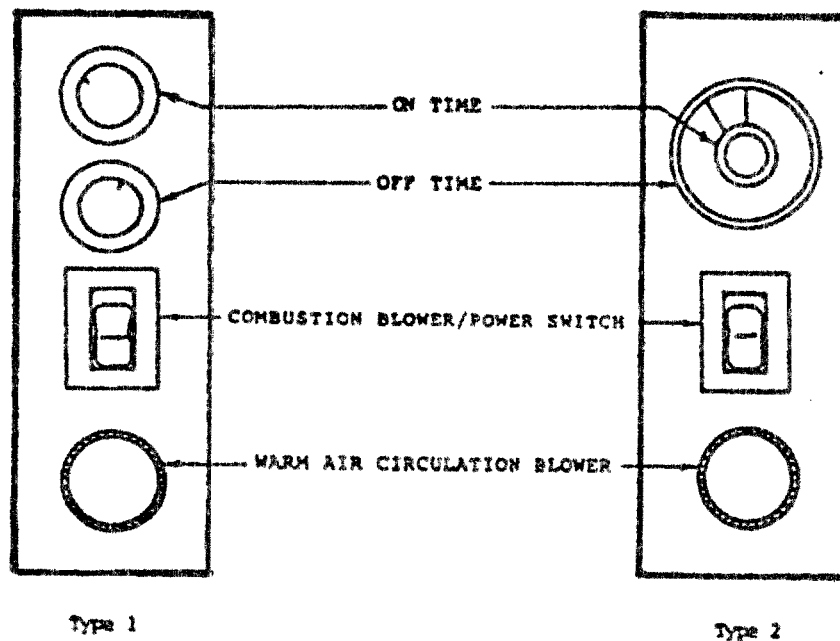
Care should be taken when hand feeding. Open the door slowly and add a small amount of pellets to the burner at a time. Continue the process of hand feeding until you see the fuel drop into burner.

SHUT-DOWN PROCEDURE

1. Turn 'ON-timer' to 0.
2. Once fire has extinguished itself, (approximately 15 minutes), turn off combustion blower switch.

*Shelled corn should be free of foreign matter, (i.e. straw, burrs, cobs).

CONTROL PANEL: Located on the righthand side of the DOVETEC, there are two types of timers, illustrated below as 'Type 1' and 'Type 2'.



TIMER: Fuel Feed Rate is determined by the amount of time that the auger is on versus the amount of time that it is off. This is controlled by a dual timer with maximum settings of 10 seconds each. Over a period of time, you will learn the best and most efficient settings for your particular installation.

COMBUSTION BLOWER/POWER SWITCH: This red switch controls the power to the unit. This also operates the combustion blower which forces air into the burner box and draws the exhaust out of the firebox.

WARM AIR CIRCULATION BLOWER/CONTROL: Controls the amount of warm air entering the room. This control regulates the air flow into the room. Does not effect combustion efficiency.

FUEL: Depending on fuel feed rate, a full hopper will last from 12 to 24 hours. Hopper should be replenished as needed and can be filled while unit is in operation.

KLINKER: During the combustion of corn, what is known as a klinker will form in the bottom of your burner box. A klinker is best described as fused ash, glassy almost in appearance, conforming to the shape of the bottom of the box, (always square). If not removed, it will eventually extinguish the fire.

KLINKER con't.

REMOVAL PROCEDURE: For best results, we recommend removing the klinker every 12-18 hours. This can be accomplished while a fire is burning, but needs to be done quickly (approximately 1 minute) to restore fuel and air to firebox.

1. Turn off combustion blower switch.
2. Open door.
3. Remove burner kit: Place point of klinker tool into hole cut in front of burner kit. Lift kit off and carefully set it on top of the stove or on another non-combustible surface.
4. Remove klinker: Place point of klinker tool in left front corner of the burner box. Push point down to bottom of box, making sure that tool point slips underneath klinker. Gently tip klinker upright, so that the burnable ashes and corn fall off the top of the klinker and back into the burner box. Place the tool underneath the klinker, lift up, and slide klinker over and out of the burner box.
5. Replace burner kit.
6. Close door and turn on combustion blower switch.

HELPFUL HINTS

1. Clean the outside surface of your DOVETEC with a damp cloth.
2. Clean the glass with a dry, soft cloth. Most of the time glass cleaner is not needed since there is little or no creosote build-up.

CLEANING ASHES FROM UNIT

1. Turn timer to off position.
2. Turn rheostat to off position.
3. After fire has gone out, remove the two knobs from the front of the ash pan.
4. Slide ash pan out and empty contents into a metal container. Remove remaining ashes/klinkers from floor of combustion box, (vacuum cleaner works well).
5. Replace the ash pan and the knobs.

CLEANING THE BURNER

When the unit is cold and unplugged from its power source, open the firebox door, slide the burner forward and lift out. Dump ashes/klinker out into a metal container. When cleaned, re-install in reverse, ensuring that the burner is pushed back tight against the rear of the firebox wall.

POWER FAILURE

If a power failure should occur, your DOVETEC will immediately shut-down and the fire will go out. It is not designed to be used as a radiant heater. When the power returns, you may need to relight your DOVETEC to restore it to normal operation.

SECTION VI: FACTORY RECOMMENDED MAINTENANCE

CHIMNEY

1. The chimney, spark arrestor, rain cap, etc. should be inspected twice monthly and cleaned if necessary.
2. For proper inspection, the chimney should be cleaned.
3. A topper or cover with a spark arrestor should be installed even on a masonry fireplace chimney to prevent birds, squirrels, bats, etc. from building summer nests.

UNIT

1. Your DOVETEC should be pulled from the masonry fireplace annually and cleaned from behind and around it. This should be done prior to the heating season in conjunction with the chimney maintenance.
2. The blower must be lubricated according to manufacturer's instructions as given on the motor housing. Two oil points are clearly marked on each blower. Use SAE 20 oil. Be sure to unplug the power supply cord before lubricating.
3. The seal between the fireplace masonry and the unit, as well as the seals on the unit itself, should be checked and resealed if there is evidence of leakage.
4. Check gaskets around the firebox and ash pan doors. Reseal with new gasket if needed.

CLEANING

CLEANING THE UNIT

1. The unit should not be cleaned with any type of detergent. (Consult your local dealer).
2. If repainting or touch-up is required the unit should be lightly sanded with fine sand paper or steel wool, then repainted or touched up with high temperature flat black paint or the color of the stove.
3. If the unit is located in a damp location, check thoroughly for signs of condensation when the unit is not in use.
4. When the heating season is over, the unit can be cleaned out completely with a wire brush or fine steel wool to remove ash stuck to walls. The unit should be vacuumed out.

GLASS DOOR

1. Heat from the fire will not break the glass. However, the glass door should be handled as any other breakable glass as rough handling, etc may cause damage.
2. When burning wood pellets or shelled corn, the glass may cloud up with a fine powder of ash. Wipe it clean with a dry cloth.
3. Check the gasket around the glass. Replace if needed.

FILTER SCREEN MAINTENANCE

1. Unplug unit from power supply. Open right blower compartment door. Remove wing nuts on each side. Remove filters. Brush lightly, vacuum, or rinse under water faucet. (The filters will not rust.)

BUCKNER ENTERPRISES CORP. (BEC)
"Limited Warranty"
For the DOVETEC Heating System

PLEASE READ THIS WARRANTY CAREFULLY!

PRODUCTS COVERED

This warranty covers all new DOVETEC heating systems including optional and standard accessories purchased at the same time.

PRODUCTS NOT COVERED

This warranty does not cover the following: Glass; gasket material; the fuel used, or any damage and/or failure caused by abuse, improper use, or improper installation of the product covered.

WARRANTY PERIODS

(A) Period I:

For the period of one (1) year from the date of purchase, BEC will replace or repair, at its option, any part defective in materials or workmanship affecting the operation of the heating system. The cost of parts only are included. The customer pays any labor or transportation charges.

(B) Period II:

For the period of five (5) years from the date of purchase, BEC will replace or repair, at its option, the firebox or any portion of the firebox which has been damaged due to heat thereby affecting the heating operation. The customer pays any labor or transportation charges.

PROCEDURE

Should you feel your DOVETEC Heating System is defective, please contact your DOVETEC Heating System dealer who will instruct you on proper procedure. Alternatively, you may contact us directly at the following address: BUCKNER ENTERPRISES CORP., "Customer Service Dept." P.O. Box 399, Fletcher, NC 28732.

THE FUEL CORN

Many customers are using distressed and damaged corn as fuel and are enjoying a good fire as well as saving money in fuel costs.

Many also feel that it is important to utilize damaged fuel resources when it is available. The fuel used in the DOVETEC CORN HEATER must be clean and free from foreign matter.

Clean corn is VERY IMPORTANT! Foreign matter such as stalks, cobs, stones, nails, fines, etc... can clog the feed system and damage the stove. Occasionally, even #1 and #2 corn, can contain some foreign matter.

Dealers, corn suppliers, and other fuel corn venders do try to furnish clean fuel corn for use in the DOVETEC CORN HEATER. Even if the corn that you have purchased was sold as "cleaned fuel corn" the possibility remains of some foreign matter getting past the cleaning process. You should pass your corn supply through a screen to be sure that no foreign matter exists.

WARRANTY DISCLAIMER REGARDING FUEL

The expressed written warranty on the DOVETEC CORN HEATER does not cover damage to the stove or clogging of the feed system due to foreign matter in the fuel. Stalks, cobs, stones, nails, fines, etc...can potentially be in your corn supply.

The company and the dealer will not warranty fuel or provide warranty or service calls which are a result of foreign matter in the fuel.

CONDITIONS AND EXCEPTIONS

- (A) There is no other expressed warranty. All implied warranties of merchantability and fitness for use are limited to the duration of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
- (B) Buckner Enterprises Corp. is not liable for indirect, incidental, or consequential damages in connection with the use of the product including any cost or expense or providing substitute equipment service during periods of malfunction or non-use. Some states do allow incidental

or consequential damages, so the above exclusion or limitation may not apply to you.

- (C) This warranty applies only to parts or components which are defective and does not cover repairs necessary due to normal wear, misuse, accident or lack of proper maintenance.

OTHER RIGHTS

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.