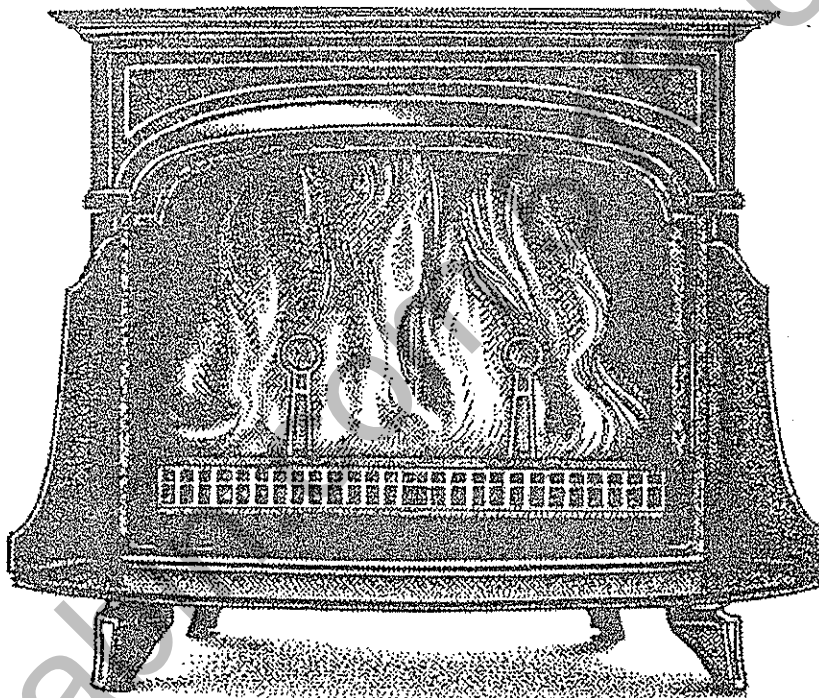


Dauntless TRADITION[®]

Owner's Guide

2150



SAFETY NOTICE: IF YOUR DAUNTLESS TRADITION IS NOT PROPERLY INSTALLED, OPERATED AND MAINTAINED, A HOUSE FIRE MAY RESULT. FOR SAFETY, FOLLOW ALL INSTALLATION, OPERATION AND MAINTENANCE DIRECTIONS. CONTACT LOCAL BUILDING OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.

VERMONT CASTINGS, INC.

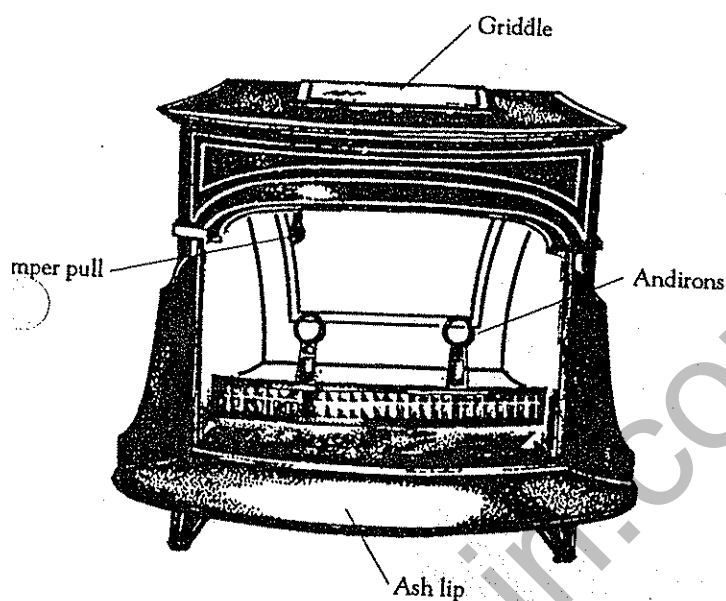
Open The Fireplace Damper

The Dauntless Tradition is equipped with an internal damper. Like that of a traditional masonry fireplace, the damper of your Dauntless should be open any time you have a fire.

It may be closed to prevent room air from escaping up the chimney when the fireplace is not in use.

pine, white pine, Eastern red cedar, fir, and redwood. These too should be properly dried. Your Dauntless will accept wood up to 16" (410 mm).

Wood should be stored under cover to maintain dryness. Even for short-term storage, however, keep wood a safe distance from the heater and keep it out of the areas around the heater used for refueling and ash removal.



Simple design of the Dauntless Tradition makes fire viewing easy.

To open the damper, locate the handle in the upper left of the firebox and push it up and in. To close the damper, pull the handle toward you and down.

Only High-Quality Wood

The Dauntless Tradition is designed to burn natural wood and not burn fuels other than those for which it was designed.

To enjoy the best results when burning wood that is adequately air-dried. Avoid burning "green" wood that has not been properly seasoned.

Hardwood fuels include oak, maple, beech, ash, and hickory that has been split, stacked, and air-dried under cover for at least one year.

Softwoods that do not have a supply of hardwood, and yellow-barked softwoods include tamarack, yellow

Starting And Maintaining A Wood Fire

Wood is loaded into the Tradition directly through its front opening.

Always be certain that the damper is open when starting or adding wood to a fire, and always use the firescreen when you have a fire going.

STEP 1. Open the fireplace damper.

STEP 2. Lay some crumpled newspapers in the fireplace. Place six or eight pieces of dry kindling split to a finger-width size on the paper, and on the kindling lay two or three larger sticks of split dry wood approximately 1-2" (25-50 mm).

DO NOT USE CHEMICALS OR FLUIDS TO START THE FIRE. DO NOT BURN GARBAGE OR FLAMMABLE FLUIDS SUCH AS GASOLINE, NAPHTHA, OR ENGINE OIL. Also, never use gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or "freshen up" a fire. Keep all such liquids well away from the Dauntless while it is in use.

STEP 3. Light the newspaper and put the screen in place. Within 10-15 minutes the fire should be well-established and you may gradually build it up by adding a few sticks at a time of a progressively larger size. Continue the build-up until you have a live coal bed about 2" (50 mm) thick.

NOTE: Some chimneys need to be "primed," or warmed up, before they will draw sufficiently to start a fire. To correct this situation, roll up a couple pieces of newspaper, place them on top of the kindling and toward the back of the firebox, light them, and put the screen in place. This should heat the chimney enough to initiate a draft.

4. Operation

Once the draft is established, light the rest of the fuel from the bottom. Do not light the main bed of fuel until the chimney begins drawing, and repeat the procedure as often as necessary if the initial attempt is unsuccessful.

Refuel While The Coals Are Still Hot

To ensure that your fire will respond quickly to newly-added wood, refuel while there are plenty of hot coals left. Remove the screen, place two or three logs or splits on the grate, and replace the screen. The fire should re-establish itself in a few minutes.

Avoid Overfiring

Overfiring could damage the Dauntless and may void the warranty. In addition to warping, cracking of plates, and discoloration, overfiring can cause a hazardous condition. If a part of the Tradition or the chimney connector glows, you are overfiring.

You can avoid overfiring your Dauntless Tradition by following these simple rules:

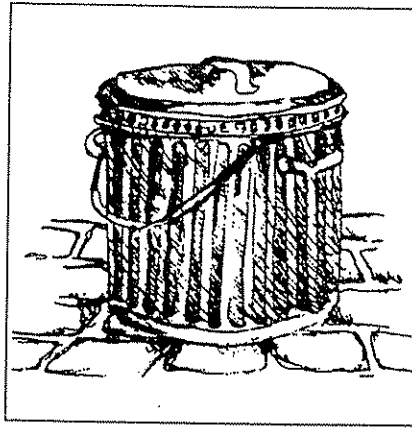
- Don't add too much wood or build too large a fire. Once the fire is established, three medium-sized logs 4-6" (100-150 mm) in diameter should easily sustain it. Adding a larger quantity of wood will risk overfiring.

- Avoid adding a large quantity of finely-split wood to the fire. Wood of this size can ignite and burn rapidly and lead to overfiring as well.

You'll soon find out that the Dauntless Tradition is **HOT WHILE IN OPERATION! KEEP CHILDREN, CLOTHING, AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.**

Remove And Store Ash Safely

Remove and dispose of ash daily, and more often if necessary. The more wood you burn, the faster ash will accumulate.



Ash should be removed frequently and placed outdoors in a metal container with a tight-fitting lid.

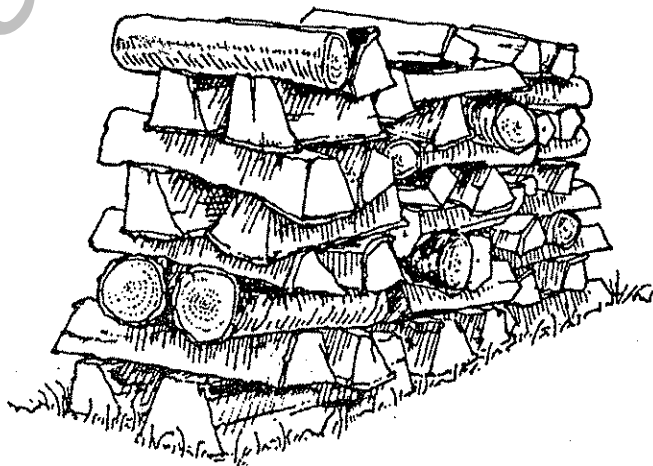
Check the ash level before reloading, and clean out ash before it reaches the grate. Always keep the ash lip and area in front of the andirons clear of ash, live coal, and bits of wood. A buildup of ash could interfere with the proper fit of the fire screen.

Ash may contain hot embers and must be treated with extreme care.

Always Dispose of Ash in a Safe Manner

Ash should be removed frequently and placed outdoors in a metal container with a tight-fitting lid. The closed container of ash should be placed on a floor of noncombustible construction or on the ground, well away from all combustible materials, pending final disposal. If the ash is disposed of by burial in soil or otherwise locally dispersed, it should be retained in the closed container until all cinders have thoroughly cooled. Wood ash may be used as a garden fertilizer.

CAUTION: Never use a vacuum cleaner to remove ash from the fireplace; always remove and dispose of the ashes properly.



Maintenance

Care of The Cast Iron Surface

An occasional dusting with a dry rag will keep the painted cast iron of your Dauntless Tradition looking new.

If the paint needs retouching, first allow the surface to cool completely. Wire-brush areas needing to be painted. Touch-up with high temperature fireplace paint available from your local dealer. Apply the paint sparingly. Two light coats are better than one heavy one.

A Clean Chimney System Is Safer And Works Better

Learn To Recognize — And To Avoid — Creosote

When you first begin using the fireplace, check daily for creosote — a substance that can look like either thick tar or black, crisp flakes. Experience will show how often you need to clean to be safe. The frequency may even vary during the year. In the colder months when the hottest fires producing the least creosote are burned, you may need



A qualified chimney sweep has the equipment and the experience to do the job safely and cleanly.

to clean only every couple of months. During the warmer months when creosote is more likely to result from cooler-burning fires, weekly cleaning may be necessary.

At the very least, the chimney connector and chimney should be inspected at least twice monthly during the heating season to determine if a buildup of creosote. If a significant layer of creosote has accumulated ($1/8"$ [3 mm] or more), it should be removed to reduce the risk of a chimney fire. Failure to keep the chimney and connector system clean can result in a serious chimney fire.

The conditions for a chimney fire develop like this: 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 within the flue system which can damage the chimney and overheat adjacent combustible material.

To reduce the amount of creosote that may form, remember to provide adequate air for combustion and to strive for small, intense fires rather than large, smoldering ones.

You can never be too safe. Contact your local fire authority for information on what to do in the event of a chimney fire, and have a clearly understood plan on how to handle one.

Inspect The Chimney And Chimney Connector Twice Monthly And Clean If Necessary

Let the fireplace cool completely before you inspect the chimney. Then, using a strong light, sight up through the flue collar into the chimney flue. If it is not possible to inspect the flue system in this fashion, the fireplace must be disconnected to provide adequate viewing.

Clean the chimney using a specially designed chimney cleaning brush, the same size and shape as the flue liner, attached to flexible fiberglass rods designed for this purpose. Run the brush up and down the liner so that any deposits fall to the bottom of the chimney where they can be removed through the clean-out door.

The chimney connector should be cleaned by disconnecting the sections, taking them outside, and removing any deposits with a stiff wire brush. Re-install the connector sections after cleaning, being sure to secure the individual sections with three sheet metal screws per section.

If you are unable to inspect and/or clean the chimney system yourself, contact your local Vermont Castings' dealer or hire a qualified chimney sweep in your area to do the job.

Dauntless Tradition Maintenance Schedule

FIREPLACE:

DAILY:

- Ashes should be removed before they reach the grate. Check at least once a day.
- Keep the area around the fireplace clear of any combustible material.

TWO MONTHS:

- Check leg bolts and heat shield screws; tighten if necessary.

YEARLY SPRING CLEANING:

- Remove ash from the fire box and replace with a moisture-absorbing material (such as Kitty Litter) to keep the interior of the fireplace dry.
- Touch up the black paint.

CHIMNEY CONNECTOR:

TWO WEEKS:

- Inspect the chimney and chimney connector. Pay particular attention to the horizontal runs of chimney connector, and the elbows. Clean the system if necessary.

YEARLY SPRING CLEANING:

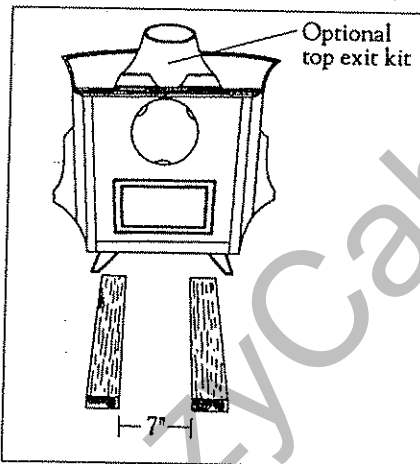
- Disassemble the chimney connector and take it outdoors for inspection and cleaning. Replace weak sections of connector.
- Inspect the chimney for signs of deterioration. Repairs to a masonry chimney should be made by a professional mason. Replace damaged sections of prefabricated chimney. Your local Vermont Castings' dealer or a chimney sweep can help determine when replacement is necessary.
- Thoroughly clean the chimney.

Assembly

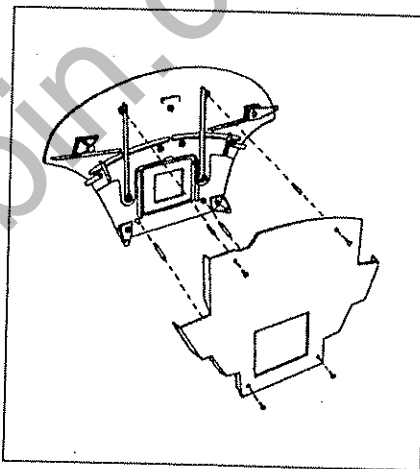
If you have already received delivery of your Dauntless Tradition, you are aware that it is very heavy. To avoid personal injury and possible damage to the fireplace or your home, do not try to tip or move it yourself. At least two people should be enlisted to help set it up and move it into position.

Set-Up Instructions

1. If you have purchased a Bottom Heat Shield, install it before attaching the chimney connectors. (The instructions for installing the Bottom Heat Shield are packed with the accessory.)
2. Reach through the rear flue exit and remove the piece of wood that was inserted at the factory to hold the damper open during shipment.
3. Be sure that the wood grate/ash fettle is properly seated. It should fit between the two rear grate bosses, and rest on the front bosses that are cast into the right and left sides of the firebox. Slip the andirons into the slots located behind the ash fettle.



Protect your floor from the weight of the Tradition when installing the bottom heat shield. Behind it place two 2X4's, spread 7" (180 mm) apart and covered with an old blanket.



The Tradition's bottom heat shield is mounted to the bottom on 2" (50 mm) spacers, with the unfinished metal and angled edges facing the bottom.

5. Confirm that your chimney connector and chimney thimble are the proper size. For rear-exiting installations, the Dauntless Tradition requires an 8" (200 mm) diameter chimney connector of at least 24 gauge thickness.

Do not reduce the diameter of the rear-exiting connector; a smaller connector may adversely effect chimney draft and cause smoke to spill into the living area.

If vented into a masonry chimney, the thimble must be 8" (200 mm) diameter as well.

For top-exiting installations only, an optional kit is available to reduce the required chimney connector size from 8" (200 mm) to 6" (150 mm) diameter.

WARNING: DO NOT USE DOUBLE-WALL CHIMNEY CONNECTORS WITH THE DAUNTLESS TRADITION UNLESS THEY HAVE BEEN TESTED AND LISTED SPECIFICALLY FOR USE WITH THIS APPLIANCE. USE OF DOUBLE-WALL CHIMNEY CONNECTORS WHICH HAVE NOT BEEN TESTED AND LISTED FOR USE WITH THE DAUNTLESS TRADITION MAY RESULT IN TEMPERATURES EXCEEDING THE LIMITS ESTABLISHED BY THE TEST STANDARD ANSI/UL-737. A POTENTIAL HAZARD MAY RESULT, INCLUDING A HOUSE FIRE.

6. Attach the chimney connector following the directions on page 10.

Wash the griddle thoroughly with soap and water, then dry it completely. It has been coated with oil to protect it from rust during shipment.

Installation

All fireplace installations must be safe and legal.

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Before you begin an installation, review your plans to see that:

- Your fireplace and chimney connector will be far enough from combustible material to meet all clearance requirements.
- The floor protector is large enough and is adequately constructed to meet all requirements.
- You have all necessary permits from local authorities.

Your local building official is the final authority for approving your installation as safe and determining that it meets local and state codes.

The metal label permanently attached to the back of every Vermont Castings' Dauntless Tradition indicates that it has been tested to current UL and ULC standards, and gives the name of the testing laboratory. Clearance and installation information is also printed on the label. Local authorities generally will accept the label as evidence that, when the Dauntless is installed according to the information on the label and in this manual, the installation meets codes and can be approved.

Codes vary in different areas, however. Before starting the installation, review your plans with the local building authority. Your local dealer can provide any additional information needed.

For any unresolved questions about installation, refer to the National Fire Protection Association's publication *ANSI/NFPA 211-1988 Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances*. In Canada, the equivalent publication is *CSA CAN-B365, Installation Code for Solid Fuel Burning Appliances and Equipment*. These standards are the bases for many national codes. They are nationally recognized and are accepted by most local authorities. Your local dealer or your local building official may have a copy of these regulations.

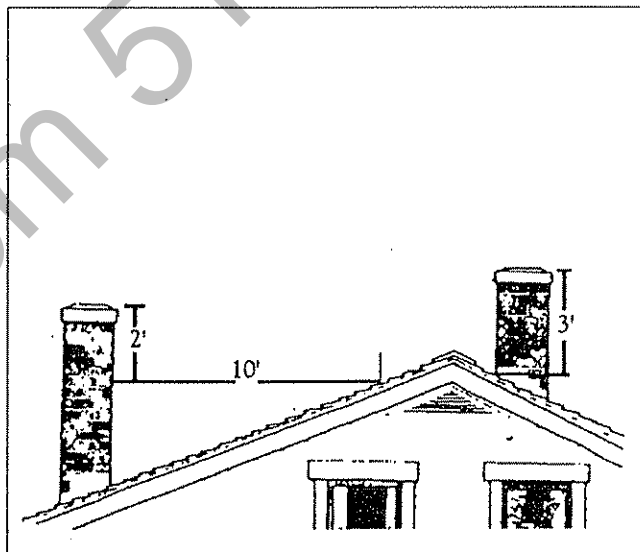
Important: Failure to follow these installation instructions may result in a dangerous situation, including a chimney or house fire. Follow all instructions exactly, and do not allow makeshift compromises to endanger property and personal safety.

What Kind Of Chimney To Use

Your Dauntless must be connected to a code-approved masonry chimney with a flue liner, a relined masonry chimney that meets local codes, or to a prefabricated chimney complying with the requirements for Type HT chimneys in the Standard for Chimneys, Factory-Built, Residential Type and Building Heating Appliance, UL 103.

If you use an existing masonry chimney, it must be inspected to ensure safe condition before the fireplace is installed. Your local professional chimney sweep, building inspector, or fire department official will be able either to make the inspection or to direct you to someone who can.

The chimney should extend at least 3' (910 mm) above the highest point where it passes through a roof, and at least 2' (610 mm) higher than any portion of a building within 10' (3 m).



The 2-3-10 rule for chimneys.

For proper draft and good performance, any chimney used with a Dauntless Tradition should extend at least 16' (5 m) above the flue collar of the fireplace.

Masonry Chimneys

An inspection of the chimney must confirm that it has a lining. Do not use an unlined chimney. The chimney should also be examined for cracks, loose mortar, other signs of deterioration, and blockage. Repair any defects before the chimney is used with your fireplace.

Unused openings in an existing masonry chimney must be sealed with masonry to the thickness of the chimney wall, and the chimney liner should be repaired. Openings

sealed with pie plates or wallpaper are a hazard and should be sealed with mortar or refractory cement. In the event of a chimney fire, flames and smoke may be forced out of these unused thimbles.

The chimney should be thoroughly cleaned before use.

A newly-built masonry chimney must conform to the standards of your local building code or, in the absence of a local code, to a recognized national code. Masonry chimneys must be lined, either with code-approved masonry or

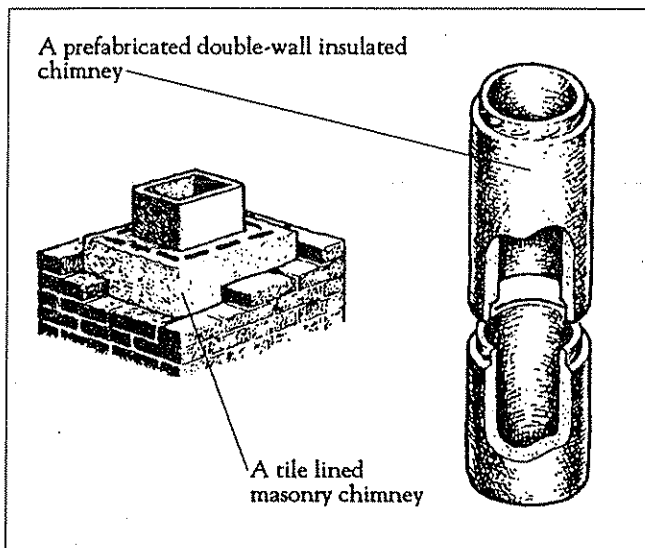
These large chimneys may need to be insulated or have their flues relined for proper fireplace performance.

Accessories to help make the connection between stainless steel chimney liners and your Dauntless are available through your local dealer.

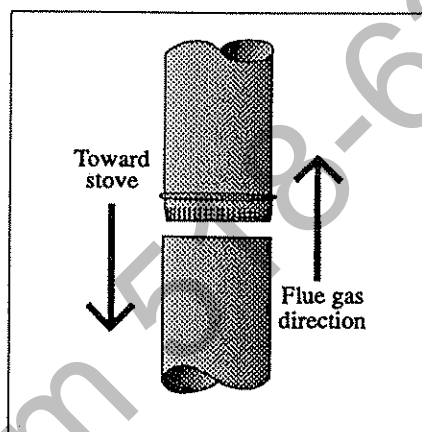
Guidelines For Installing The Chimney Connector

Chimney connector is the single-wall pipe that connects the fireplace to the chimney. The chimney itself is a masonry or prefabricated structure that encloses the flue. Chimney connectors are used only to make the connection from the fireplace to the chimney.

Do not pass the chimney connector through a combus-



Both masonry chimneys and approved prefabricated metal chimneys must meet local codes.



pre-cast refractory tiles, stainless steel pipe, or a code-approved, "poured-in-place" liner. The chimney's clean-out door must seal tightly.

Prefabricated Chimneys

A prefabricated metal chimney must be one tested and listed for use with solid-fuel burning appliances to the High-Temperature (H.T.) Chimney Standard UL-103-1985 (2100° F.) for the United States, and High Temperature (650 C.) Standard ULC S-629 for Canada. Prefabricated chimneys may be either 6" (150 mm) or 8" (200 mm) diameter for top-exiting Traditions, and must be 8" (200 mm) for rear-exiting Traditions.

DO NOT CONNECT THE DAUNTLESS TRADITION TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

Chimney Size

Vent the Dauntless Tradition into a masonry chimney with a nominal flue size of 8" x 8" (200 x 200 mm), or 8" x 12" (200 x 300 mm). Round masonry liners must be 6" (150 mm) diameter for top-exiting Traditions and 8" (200 mm) for rear-exiting Traditions.

Chimneys with liners larger than 8" x 12" (200 x 300 mm) may experience rapid cooling of smoke and reduction in draft, especially if they are located outside the home.

tible wall or ceiling, or through an attic, a closet or any similar concealed space. If passage through a combustible wall is unavoidable, follow the recommendations in the section following on Wall Pass-Throughs.

The chimney connector should be made of 24 gauge or heavier steel, and must be 6" (150 mm) diameter for top-exiting Traditions and 8" (200 mm) for rear-exiting Traditions.

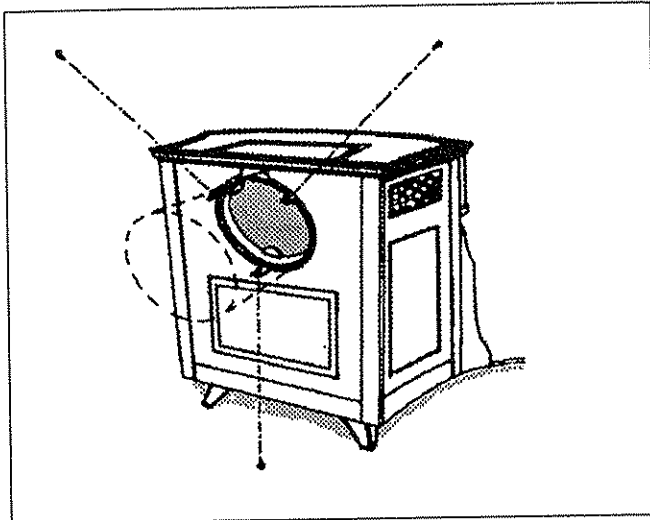
Install the chimney connector not less than 18" (460 mm) from the ceiling. Keep it as short and direct as possible, with no more than two 90 degree turns. Slope horizontal runs of connectors upward 1/4" per foot (20 mm per metre) going from the fireplace toward the chimney. The recommended maximum length of a horizontal run is 3 feet (1 metre), and the total length of chimney connector should be no longer than 8 feet (2.5 metres).

In cathedral ceiling installations, extend the prefabricated chimney downward to within 8 feet (2.5 metres) of the fireplace. The whole chimney connector should be exposed and accessible for inspection and cleaning.

Do not use galvanized chimney connector; it cannot withstand the high temperatures that can be reached by smoke and exhaust gases, and may release toxic fumes under high heat.

Attaching The Chimney Connector To A Rear-Exit Dauntless

SAFETY NOTE: Always wear gloves and safety goggles when drilling, cutting or joining sections of chimney connector.



A rear-exiting chimney connector must be securely fastened to the stove with three sheet metal screws.

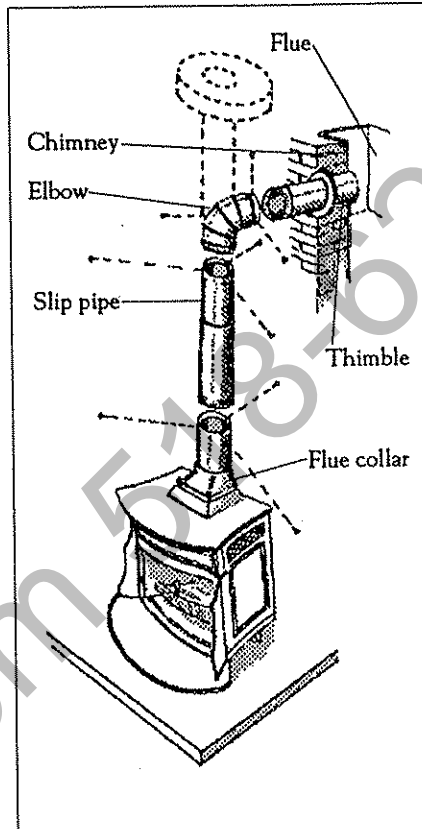
The hardware packed inside the Dauntless Tradition contains the parts needed to attach the first piece of chimney connector to the rear flue exit. The package consists of three sheet metal L-brackets and three Phillips-head sheet metal screws (#10 x 1/2").

To complete this procedure, you will need an electric drill with a 5/32" drill bit, a Phillips screwdriver, and a soft pencil or piece of chalk. With this equipment at hand, you are ready to proceed.

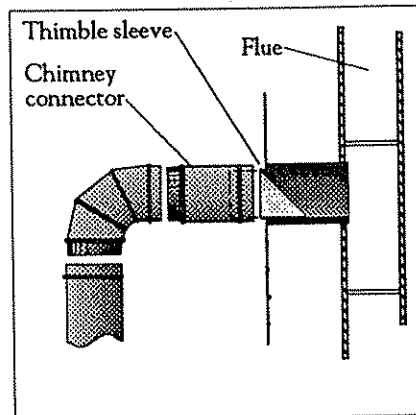
1. To begin, insert the first piece of chimney connector into the flue exit. Make sure that the crimped end of the pipe is firmly and evenly seated against the stops that are cast into the flue collar.
2. Holding the chimney connector firmly in place, slip the short end of the L-brackets between the inner and outer plates of the fireplace back.
3. Hold the long end of the L-bracket firmly against the side of the chimney connector and mark the hole location on the connector.
4. Rotate the connector one-third of its diameter and mark again. Repeat again for the third drill hole.
5. Remove the connector and place it on a level, protected surface. Wearing protective eyewear and heavy work gloves, drill three holes through the areas marked.
6. Re-insert the chimney connector in the flue collar and fasten the L-brackets to the connector, one bracket at two o'clock, one at six o'clock, and one at ten o'clock.

Attaching The Chimney Connector To A Top-Exit Dauntless

1. Assemble the chimney connector beginning at the flue collar of the Dauntless Tradition. Using the holes in the flue collar as guides, drill 1/8" lead holes in the bottom of the first section of the connector.



Typical components for installing the chimney connector to a lined masonry chimney.



A thimble, made of either ceramic or metal, must be cemented in place securely.

2. Secure it to the flue collar with three #10 x 1/2" sheet metal screws. Use an appropriate length of thin gasket to seal any gap that is left.

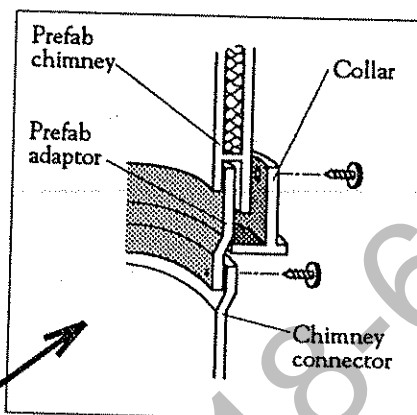
3. Align the seams of the individual sections, and keep the crimped ends pointing down toward the Dauntless.
4. Secure each joint between sections of chimney connectors, including telescoping joints, with at least three sheet metal screws. The pre-drilled holes in the top of each section of Vermont Castings' pipe serve as guides when you drill 1/8" pilot holes in the bottom of the next section.
5. Secure the chimney connector to the chimney. Instructions for different installations follow.

Securing The Connector To A Masonry Chimney

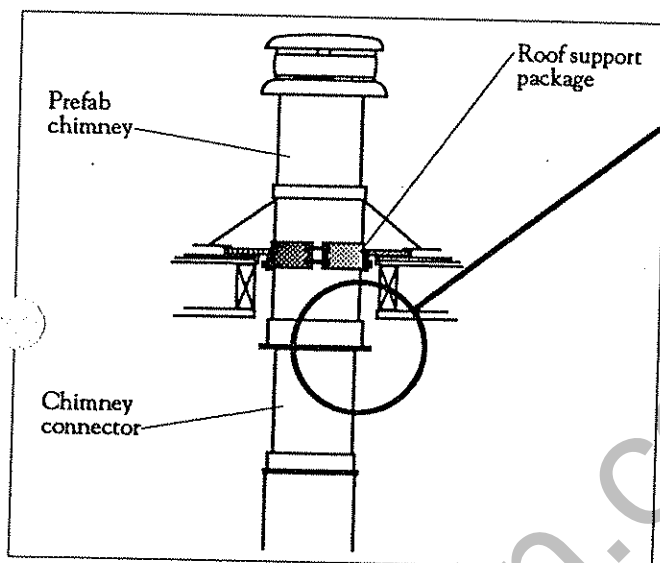
Both freestanding masonry chimneys and fireplace masonry chimneys may be used for installation of your Dauntless.

Freestanding Installations

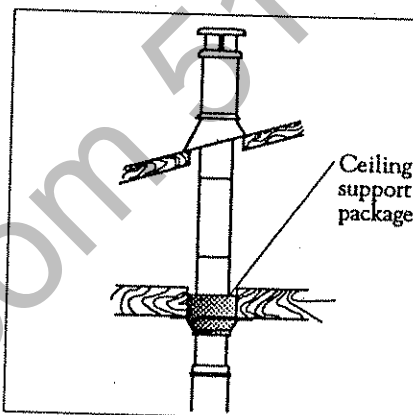
If the chimney connector must pass through a combustible wall to reach the chimney, follow the recommendations in the Wall Pass-Through section that follows.



The connection between the chimney connector and the prefabricated chimney must be secure and done according to the manufacturer's directions.



Special pieces are available from the manufacturers of prefabricated metal chimneys to support it from the roof.



In some installations, supporting the prefabricated chimney from the ceiling with special pieces from the chimney manufacturer may be possible.

Securing The Connector To A Prefabricated Chimney

Follow the installation instructions of the chimney manufacturer exactly as you install the chimney. The manufacturer of the chimney will supply the accessories to support the chimney, either from the roof of the house, at the ceiling of the room where the fireplace is installed, or from an exterior wall.

Special adaptors are available from your local dealer to make the connection between the prefabricated chimney and the chimney connector. The top of such adaptors attach directly to the chimney or to the chimney's ceiling support package, while the bottom of the adaptor is screwed to the chimney connector.

These adaptors are designed so the top end will fit inside the inner wall of the chimney, and the bottom end fits inside the first section of chimney connector. When assembled in this way, any soot or creosote falling from the inner walls of the chimney will stay inside the chimney connector.

The opening through the chimney wall to the flue (the "breach") must be lined with either a ceramic or metal cylinder, called the "thimble", which is securely cemented in place. Most chimney breeches incorporate thimbles, but check to be sure the fit is snug and the joint between thimble and chimney wall firmly cemented.

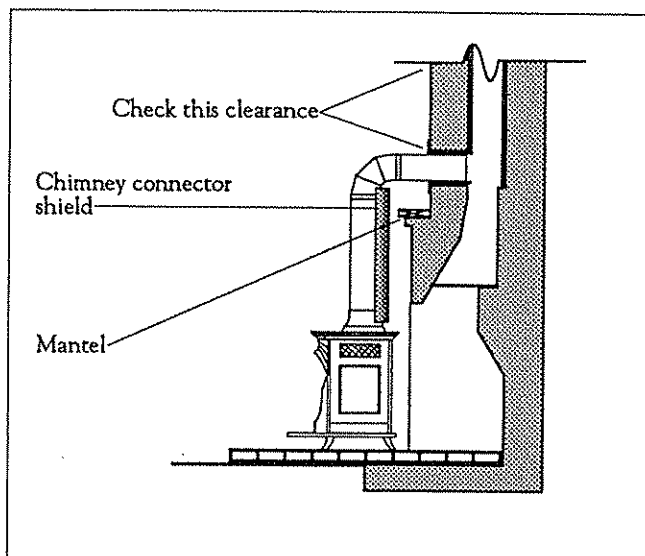
A special piece called the "thimble sleeve," slightly smaller in diameter than standard connector and most thimbles, will facilitate the removal of the chimney connector system for inspection and cleaning. Thimble sleeves should be available from your local dealer.

To install a thimble sleeve, slide it into the breach until it is flush with the inner flue wall. Don't extend it into the actual flue passage, as this could interfere with the draft.

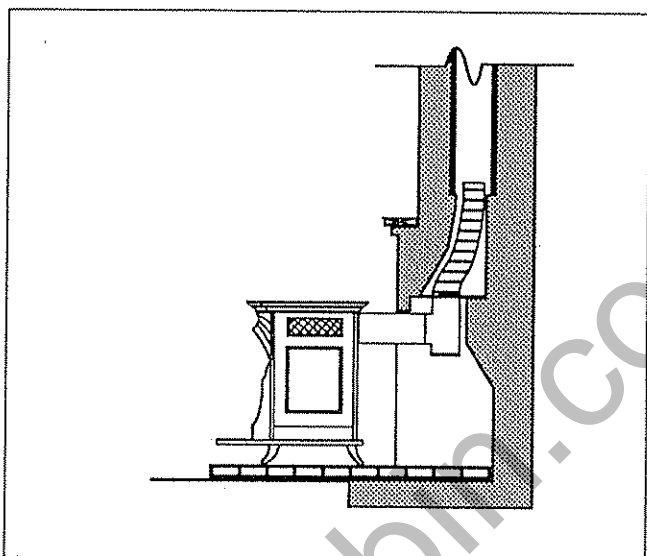
The thimble sleeve should protrude 1-2" (25-50 mm) into the room. Use furnace cement and thin gasketing to seal the sleeve in place in the thimble. Secure the chimney connector to the outer end of the sleeve with sheet metal screws.

Above A Masonry Fireplace

In this installation, the chimney connector rises from the Dauntless Tradition, turns ninety degrees, and extends back into a thimble in the masonry chimney. The liner of



If the clearance between the chimney connector and either the mantel or the ceiling is inadequate in installations such as the one shown here, it will require a special protective shield.



Special Fireplace Adaptor Kits to simplify fireplace installations are available from your local dealer.

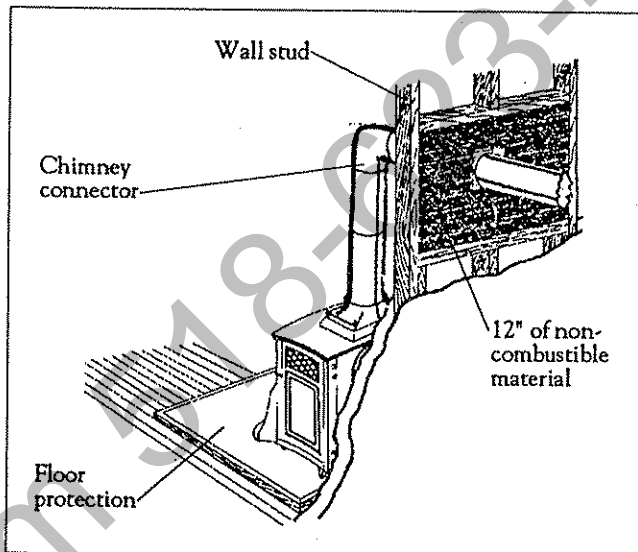
the chimney should extend at least to the point at which the chimney connector enters the chimney. Follow all the guidelines for installing a chimney connector into a freestanding masonry chimney, and pay special attention to these additional points:

- If there is a combustible mantel or trim, check the fireplace and chimney connector clearances. Use the necessary combination of mantel, trim, and connector heat shields to provide the required clearances.
- Double-check connector clearance from the ceiling.
- The fireplace damper must be closed and sealed to prevent room air from being drawn up the flue, reducing the draft. However, it must be possible to re-open the damper to inspect or clean the chimney.

Through A Fireplace

If the height of your fireplace opening is at least 27 inches (690 mm), you may install your Dauntless Tradition through the opening using a "positive connection" kit available from your local dealer. These kits ensure a tight fit between the stove flue collar and the chimney flue.

Fireplace installations, whether connected to the flue above or through the fireplace opening, have special clearance requirements to adjacent trim and the mantel, and special floor protection requirements. You'll find this information on page 5.



An approved wall pass-through for the United States.

Wall Pass-Throughs

Whenever possible, design your installation so the connector does not pass through a combustible wall. If you are considering a wall pass-through in your installation, check with your building inspector before you begin. Also check with the chimney connector manufacturer for any specific requirements.

Accessories are available for use as wall pass-throughs. If using one of these, make sure it has been tested and listed for use as a wall pass-through.

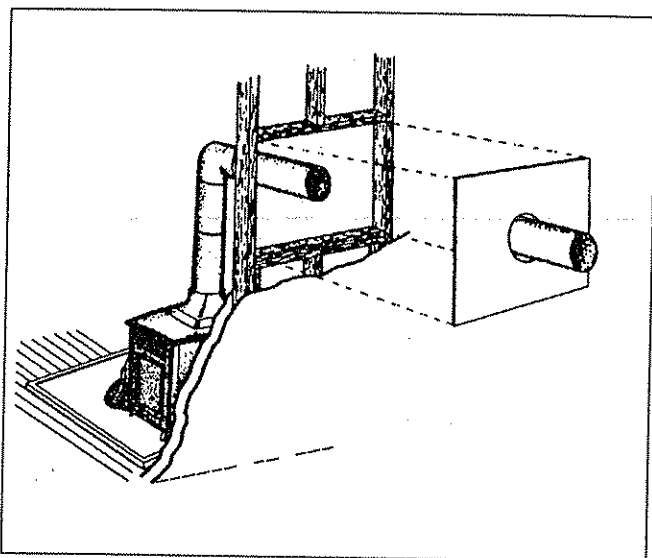
In the United States, the National Fire Protection Association (NFPA) has established guidelines for passing chimney connectors through combustible walls. Many building code inspectors follow these guidelines when approving installations.

The illustration below shows one NFPA-recommended method. All combustible material in the wall is cut away a sufficient distance from the single-wall connector to provide the required 12" (300 mm) clearance for the connector. Any material used to close up the opening must be non-combustible.

Three other methods are also approved by the NFPA. These are:

- Using a section of 8" (200 mm) solid insulated, factory-built chimney with 9" (230 mm) clearance to combustibles.

- Placing a chimney connector pipe inside a ventilated thimble, which is then separated from combustibles by 6" (150 mm) of fiberglass insulating material.
- Placing a chimney connector pipe inside a section of 8" (200 mm) diameter, solid-insulated, factory-built chimney, with two inches of air space between the chimney section and combustibles.



An approved wall pass-through, Canada.

In Canada, The Canadian Standards Association has established different guidelines. The illustration shows one method, in which all combustible material in the wall is cut away to provide the required 18" (460 mm) clearance for the connector. The resulting space must remain empty. A flush-mounted sheet metal cover may be used on one side only. If covers must be used on both sides, each cover must be mounted on non-combustible spacers at least 1" (25 mm) clear of the wall. Your Vermont Castings' dealer or your local building inspector can provide details of other approved methods of passing a chimney connector through a combustible wall. In Canada, this type of installation must conform to CAN/CSA-B365, Installation Code for Solid Fuel Burning Appliances and Equipment.

NOTE: Do not vent your Vermont Castings' fireplace into a factory-built (zero-clearance) fireplace. These appliances and their chimneys are specifically designed as a unit for use as fireplaces. It may void the listing or be hazardous to adapt them for any other use.

DO NOT CONNECT A DAUNTLESS TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.

Floor Protection

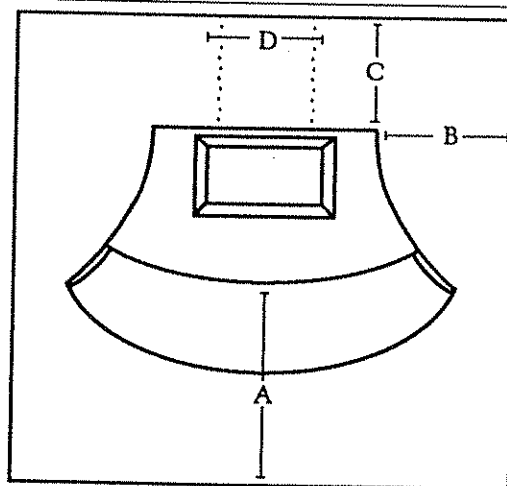
Freestanding Installations

In the United States, adding an optional Vermont Castings' Bottom Heat Shield (part #0271) allows you to place the Dauntless on a non-combustible floor protector that covers a combustible floor.

For U.S. installations, with the optional Vermont Castings' Bottom Heat Shield attached, a non-combustible floor protector such as 1/4" (6 mm) non-asbestos mineral board or equivalent, or 24 gauge sheet metal is required. The floor protector is required under the fireplace and must extend 16" (410 mm) from the front opening, 8" (200 mm) from the sides (measured from the edges of the front opening) and 8" (200 mm) from the rear (measured from the top plate). It must also extend under the chimney connector and 2" (50 mm) to either side. When the above floor protection specifications are observed, the floor protector must be at least 42" wide by 40" deep. It may be covered with a non-combustible decorative material if desired.

Without the optional Vermont Castings' Bottom Heat Shield, the only acceptable installations are on completely non-combustible hearths such as unpainted concrete over earth.

In Canada, operate only with the Vermont Castings' Bottom Heat Shield in place. When installed on a combustible floor, a non-combustible floor protector is required under the heater. The floor protector must extend 18" (460 mm) from the front opening, 6" (150 mm) from the sides (measured from the edges of the front opening) and 6" (150 mm) from the rear (measured from the top plate). These specifications dictate a floor protector that is at least 42" (1070 mm) wide by 40" (1020 mm) deep. It must also extend under the chimney connector and 2" (50 mm) to either side. The floor protector may be covered with a non-combustible decorative material if desired. Do not obstruct the space under the fireplace.



The Floor Protector must extend these minimum distances from the Dauntless Tradition.

From the ...	United States	Canada
...Front (A)	16"	18" (460 mm)
...Sides (B)	8"	6" (150 mm)
...Rear (C)	6"	6" (150 mm)
...Chimney connector (D) (from either side)	2"	2" (50 mm)

Clearance

Keep The Fireplace A Safe Distance From Surrounding Materials

Both a fireplace and its chimney connector radiate heat in all directions when operating. A safe installation requires that adequate *clearance* be maintained between the fireplace and nearby combustible materials to ensure that such materials do not overheat.

Clearance is the distance between either your fireplace or chimney connector, and nearby walls, floors, the ceiling, and any other fixed combustible surface. Keep furnishings and other combustible materials away from the fireplace as well. In general, a distance of 48" (1220 mm) must be maintained between the fireplace and moveable combustible items such as drying clothes, furniture, newspapers, firewood, etc. Keeping those clearance areas empty assures that nearby surfaces and objects will not overheat.

Safe Ways To Reduce Clearances

Your fireplace has special clearance requirements that have been established after careful research, and testing to UL and ULC standards.

Clearance requirements have been established to meet every installation possibility, and they involve the combination of two variables:

- When the wall has no listed heat shield mounted on it.
- When the wall has a listed heat shield mounted on it.

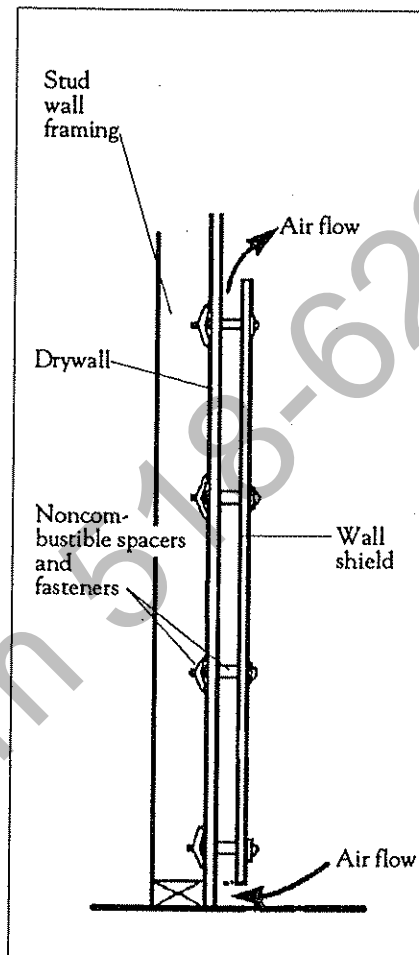
The greatest clearance is required when you are placing a fireplace near a wall with no heat shield. The least clearance is required when the wall has a heat shield. Reducing a fireplace clearance may require a listed heat shield on the chimney connector as well.

Clearances may be reduced only by means approved by the regulatory authority, and in accordance with the clearances listed in this manual. The charts and sample installations that follow list all the clearances required for the various installation configurations of the Dauntless.

Wall Shields

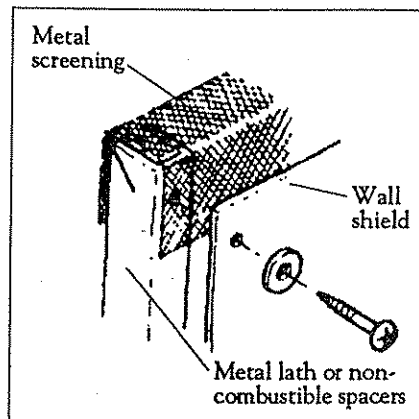
Wall shields should be constructed of 24 gauge or heavier sheet metal, or another non-combustible material such as 1/2" (13 mm) insulation board or common brick "laid on flat" (3—1/2" side down).

Shields must be spaced out from the combustible surface 1" (25 mm) on non-combustible spacers. The spacers should not be directly behind the stove or chimney connector.



Wall shields must be spaced out from the combustible surface 1" (25 mm) on non-combustible spacers.

Air must be able to flow between the wall and the shield. At least 50% of the bottom 1" (25 mm) of the shield should be open and the shield must be open at the top.



Metal screening placed over the top opening of a wall shield will prevent small objects from falling behind it.

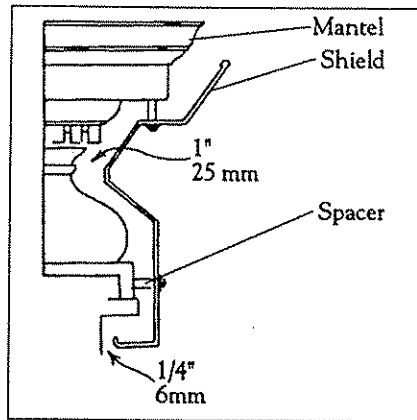
Fireplace Installations

A fireplace installation requires special clearance between the:

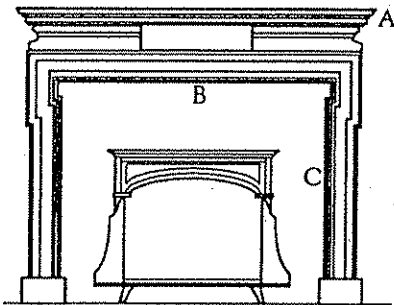
- Side of the fireplace and the right and left walls
- Side of the fireplace and the decorative side trim on the fireplace face
- Top of the fireplace and the mantel

Mantel and top trim shields for the Dauntless must be at least 36" (910 mm) long and spaced out 1" (25 mm) on non-combustible spacers from the combustible mantel or trim. An attractive, ventilated mantel shield can be fabricated from 24 gauge sheet metal such as copper, brass, or aluminum.

Side trim shields can be fabricated of 24 gauge sheet metal and should extend the full length of the trim. The side trim shields must be ventilated and secured to the top trim on non-combustible spacers.



A custom made shield such as this provides additional protection to a fireplace



Dauntless Tradition Fireplace Clearances

	Unshielded	Shielded
(A) Mantel	21" (530 mm)	18" (460 mm)
(B) Top trim	19" (480 mm)	19" (480 mm)
(C) Side trim	10" (250 mm)	10" (250 mm)

Fireplace installations also require that recommended clearances be maintained between a stove and the surrounding combustible materials.

Fireplace Installations May Need More Floor Protection

A fireplace installation must observe the floor protection guidelines discussed previously. Keep this in mind when you evaluate your existing hearth to determine if it is completely non-combustible.

Many fireplace hearths do not satisfy the "completely non-combustible" requirements because the brick or concrete in front of the fireplace opening is supported by heavy wood framing. Because heat passes readily through brick or concrete, it can easily pass through to the wood. As a result, such fireplace hearths can be a fire hazard and are considered a combustible floor.

Distance from Center of Flue Collar to Wall In Top-Exit Installations

UNPROTECTED SURFACES			PROTECTED SURFACES		
Parallel Installations		Corner Installations	Parallel Installations		Corner Installations
Side	Rear	Corner	Side	Rear	Corner
[A] 23-1/4" (590 mm)	[B] 12" (300 mm)	[C] 19-3/4" (500 mm)	[D] 23-1/4" (590 mm)	[E] 12" (300 mm)	[F] 16-3/4" (430 mm)

Clearance Chart

Dauntless Tradition Clearance Chart

	UNPROTECTED SURFACES			PROTECTED SURFACES		
	Parallel Installations		Corner Installations	Parallel Installations		Corner Installations
Tradition Clearance ¹	Side	Rear	Corner	Side	Rear	Corner
Rear Exit	[A] 12" (300mm)	[B] 8" (200mm)	[C] 9" (230mm)	[D] 12" (300mm)	[E] 5" (130mm)	[F] 6" (150mm)
Top exit (See diagrams below)	[G] 12" (300mm)	[H] 8" (200mm)	[I] 9" (230mm)	[J] 12" (300mm)	[K] 5" (130mm)	[L] 6" (150mm)
Chimney Connector Clearance ^{2,3} (See diagrams at right)	All Installations			All Installations		
	[M] 9" (230mm)			[N] 6" (150mm)		
Front Clearance to Combustibles	All Installations					
	48" (1220mm)					

1—Measured from the Dauntless Tradition top plate to wall.

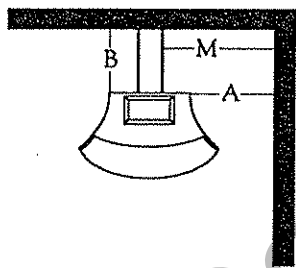
2—Do not use double-wall chimney connectors with the Dauntless, unless they have been tested and listed specifically for use with this appliance.

3—Chimney connector clearances may only be reduced by means of wall shields.

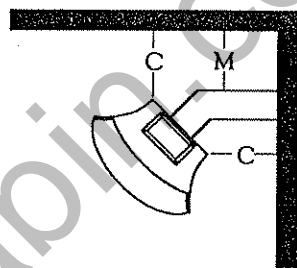
Dauntless Tradition Clearance Diagrams

Unprotected Surfaces

Parallel Installations

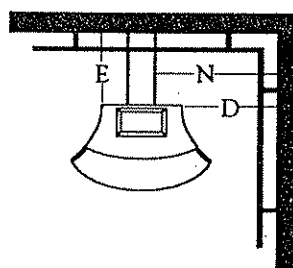


Corner Installations

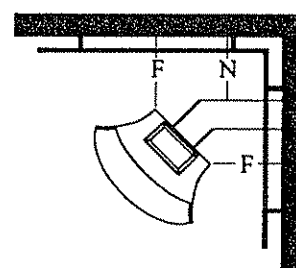


Protected Surfaces

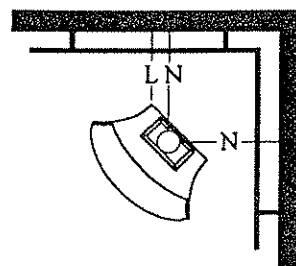
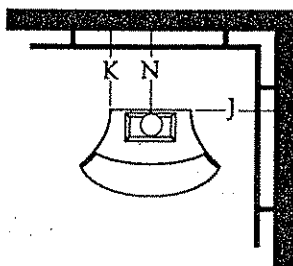
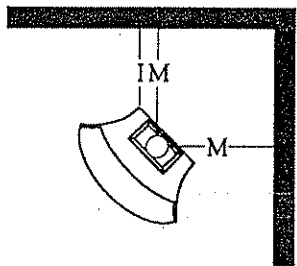
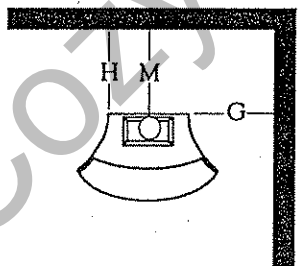
Parallel Installations



Corner Installations



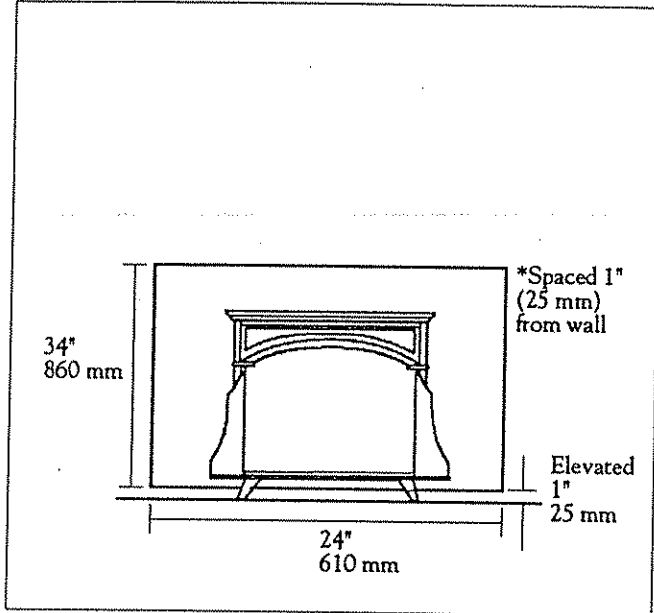
TRADITION CLEARANCE: REAR EXIT



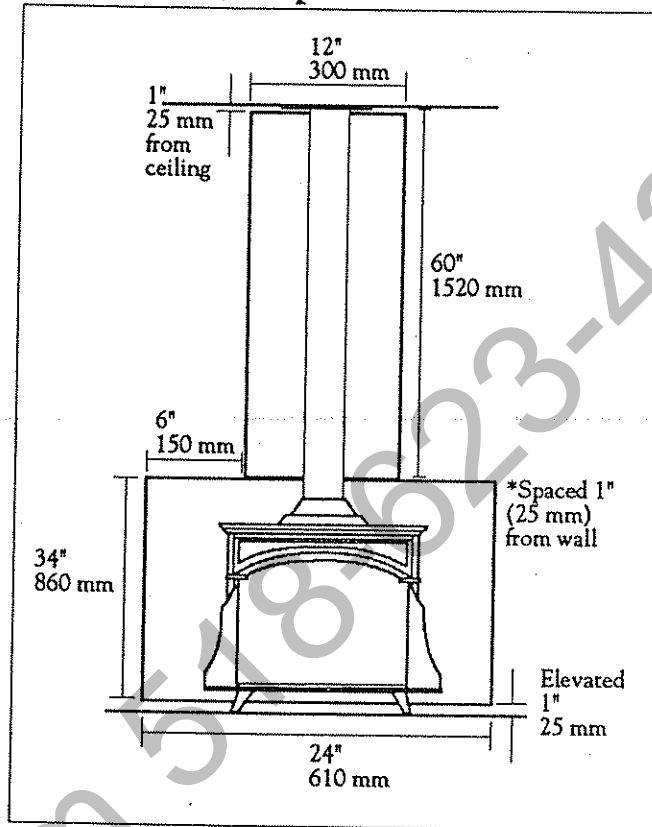
TRADITION CLEARANCE: TOP EXIT

Wall Heat Shield Dimensions

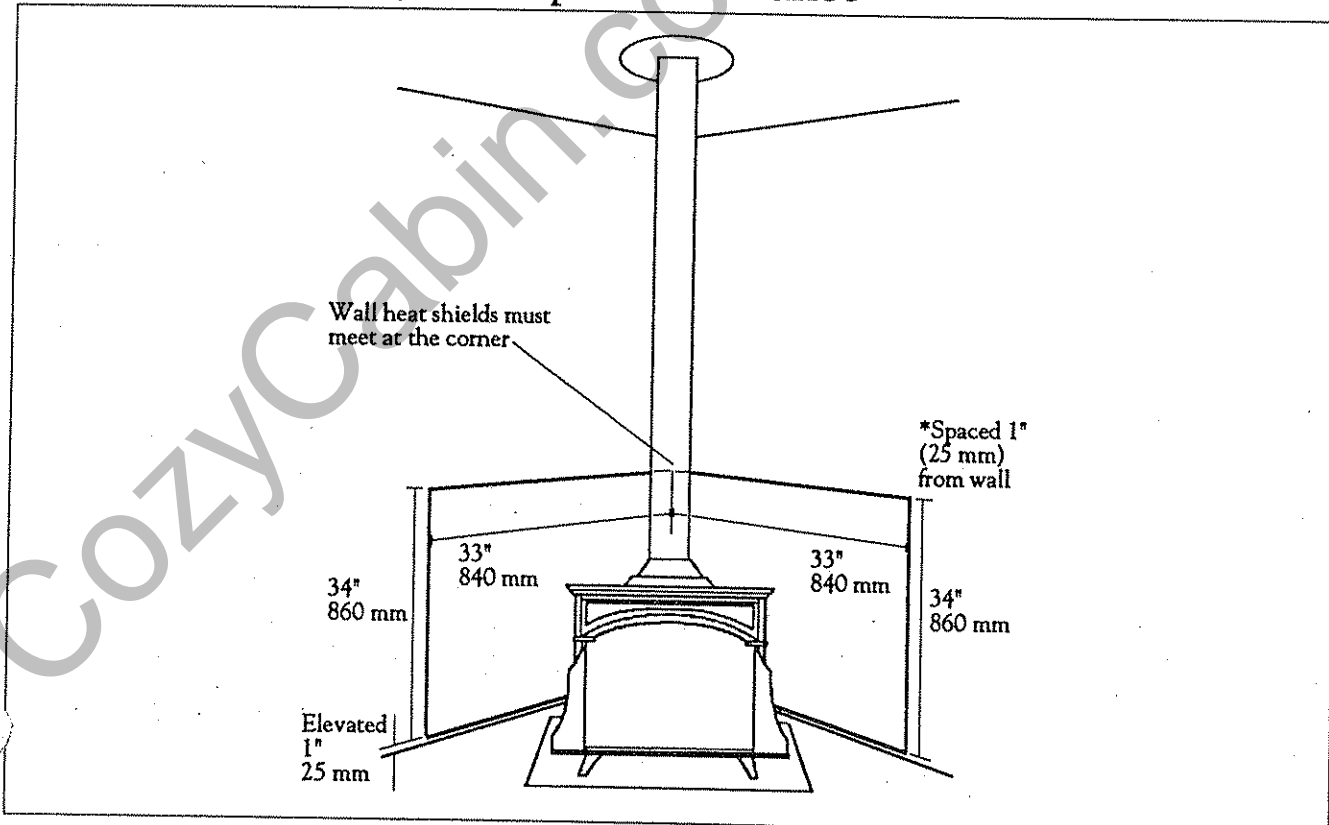
Rear Wall, Rear Exit



Rear Wall, Top Exit

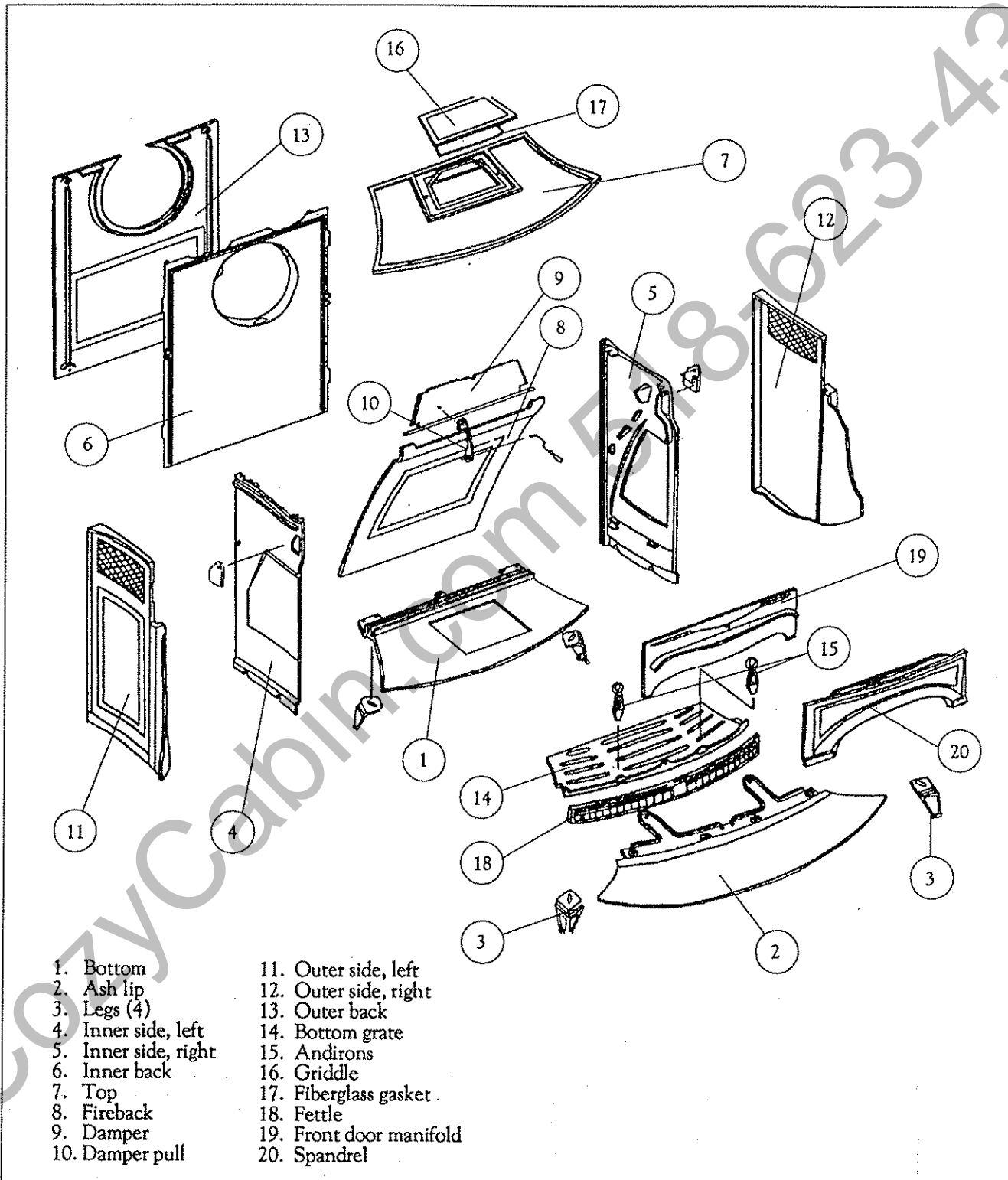


Corner Installation, 6" Fireplace Clearance



Exploded View

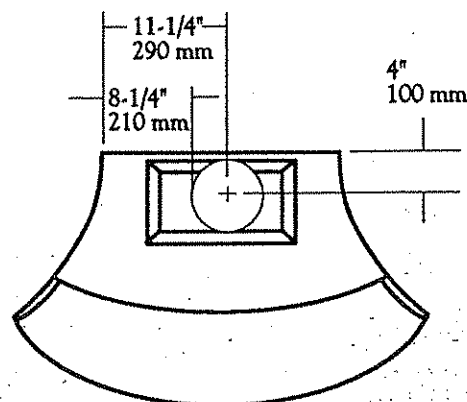
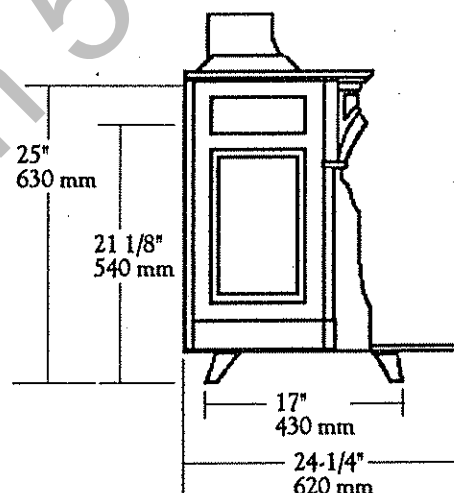
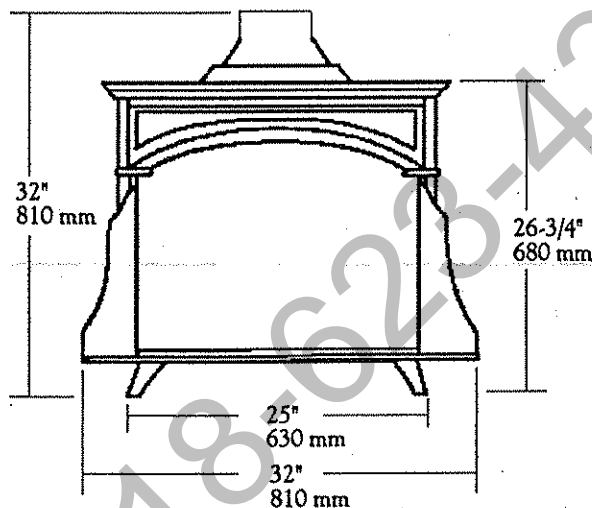
& Parts List



Specifications

Dauntless Tradition Model 2150

Fuel	Wood only
Maximum log length	16" (410 mm)
Height	
Back vent	26-3/4" (680 mm)
Top vent	32" (810 mm)
Width	
Leg to leg	25" (630 mm)
Including ash lip	32" (810 mm)
Depth	
Leg to leg	17" (430 mm)
Overall	24-1/4" (620 mm)
Weight	290 lbs. (640 kg)
Flue	
Rear	8" round (200 mm)
Top	6" round (150 mm)



Limited Three Year Warranty

Vermont Castings warrants that this Dauntless Tradition will be free of defects in material and workmanship for a period of three years from the date you receive it, except that cement and gasketing shall be warranted as described below.

Vermont Castings, Inc. will repair or replace, at its option, any part found to be defective when the Dauntless Tradition is returned with shipping charges prepaid to a Vermont Castings' Authorized Dealer. The customer must pay for any Authorized Dealer in-home travel fees, service charges, or transportation costs for returning the fireplace to the Authorized Dealer. If upon inspection the damage is found to be the fault of the manufacturer, repairs will be authorized at no charge to the customer for parts and/or labor.

Any Dauntless Tradition or part thereof that is repaired or replaced during the limited warranty period will be warranted under the terms of the limited warranty for a period not to exceed the remaining term of the original limited warranty or six (6) months, whichever is longer.

Limited One Year Warranty

The cement and gasketing of the Dauntless Tradition are warranted to be free of defects in material and workmanship for a period of one year from the date you receive your fireplace. Either of these items found to be defective will be replaced at no charge by an Authorized Vermont Castings' Dealer.

Exclusions and Limitations

1. This warranty is transferable; however, proof of original purchase is required.

2. This warranty does not cover misuse of the fireplace. Misuse includes overfiring which will result if the fireplace is used in such a manner as to cause one or more of the fireplace plates to glow red. Overfiring can later be identified by warped plates and areas where the paint pigment has been burned off.

3. This warranty does not cover misuse of the Dauntless Tradition as described in the Owner's Guide; nor does it cover a Dauntless Tradition that has been modified unless authorized by a Vermont Castings' representative in writing. This warranty does not cover damage to the fireplace caused from a salt environment or from burning salt saturated wood, chemically treated wood, or any fuel not recommended in the Owner's Guide.

4. This warranty does not cover a stove repaired by someone other than a Vermont Castings' Authorized Dealer.

5. Damage to the unit while in transit is not covered by this warranty but is subject to claim against the common carrier. Contact the Vermont Castings' Authorized Dealer from whom you purchased your Dauntless Tradition. (Do not operate the Dauntless Tradition as this may negate the ability to process the claim with the carrier.)

6. Claims are not valid where the installation does not conform to local building and fire codes or, in their absence, to the recommendations in the Owner's Guide.

How to Obtain Service

If a defect is noted within the warranty period, the customer should contact a Vermont Castings' Authorized Dealer with the following information:

1. Name, address, and telephone number of the purchaser.
2. Date of purchase.
3. Serial number from the label on the back of the stove.
4. Nature of the defect or damage.
5. Any relevant information or circumstances, i.e., installation, mode of operation when defect was noted.

A warranty claim will then start in process. Vermont Castings reserves the right to withhold final approval of a warranty claim pending a visual inspection of the defect by authorized representatives.



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Printed in the USA

#200-0906

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