

IMPORTANT:
KEEP THESE INSTRUCTIONS FOR
FUTURE REFERENCE.

**PACIFIC
ENERGY**

Alderlea T4 LE2(ACMS)

INSTALLATION AND OPERATING INSTRUCTIONS

- AUSTRALIA

AUSTRALIA



SERIAL #

SAFETY NOTICE

If this stove is not properly installed, a house fire may result. For your safety, follow the installation instructions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

**MODEL: ALDERLEA T4 LE2(ACMS,
ALT4 LE2(ACMS) CLASSIC**

Contents

Contents	2
Safety and Maintenance.....	3
Maintenance Checks.....	4
Creosote	5
Formation and Need for Removal.....	5
Avoiding a Chimney Fire.....	5
Signs of a Chimney Fire.....	5
Appliance Dimensions.....	6
Outside Air Opening Dimensions.....	6
Flue Thermocouple Guard	7
Installation	8
Battery Box Installation.....	9
Clearances	10
Minimum Clearances to Combustibles	10
Floor Protector.....	10
Chimney and Connector.....	11
Installation Procedure	11
Optional Blower.....	12
Blower Operation.....	12
Firebrick Installation.....	12
Combustion Air	16
Operation.....	17
Wood Selection.....	17
How to Test Your Wood	17
Lighting for the First Time.....	17
Lighting a Fire.....	18
Normal Operation	18
Restarting After Extended or Overnight Burns	18
Proper Draft	19
Ash Removal.....	19
Disposal of Ashes	19
Flue Gas Agitator Removal/Installation	20
Baffle Removal.....	21
Troubleshooting	22
Replacement Parts.....	23
Compliance Plate	25

NOTE:

WE STRONGLY RECOMMEND THAT SMOKE DETECTORS BE INSTALLED.

If smoke detectors have been previously installed, you may notice that they are operating more frequently. This may be due to curing of stove paint or fumes caused by accidentally leaving the fire door open. Do not disconnect the detectors. If necessary, relocate them to reduce their sensitivity.

SAFETY NOTICE:

If this stove is not properly installed, a house fire may result. For your safety, follow the installation instructions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

Please read this entire manual before you install and use your new room heater. Failure to follow instructions may result in property damage, bodily injury, or even death.

Safety and Maintenance

1. Burn only dry, well seasoned wood. The denser or heavier the wood when dry, the greater its heat value. This is why hardwoods are generally preferred. Green or wet wood will cause a rapid buildup of creosote. If you feel it is necessary to burn wet or unseasoned wood, do so only with the air inlet set open enough to maintain a good strong fire and fairly high chimney temperatures. Do not attempt to burn overnight using green wood or wet wood. Wet wood will reduce heat output, as well as contributing significantly to creosote buildup.
2. Remove ashes frequently and only when the stove is cold. Too much ash could cause embers to roll out the door when it is opened. This may pose a fire hazard. For proper operation, maintain a 25mm minimum ash base.
3. If glass becomes darkened from slow burning or poor wood, it can readily be cleaned with fireplace glass cleaner when stove is cold. Never scrape with an object or use abrasive cleaners that might scratch the glass. The type and amount of deposit on the glass is a good indication of the flue pipe and chimney buildup. A light brown dusty deposit that is easily wiped off usually indicates good combustion and dry, well-seasoned wood, therefore relatively clean pipes and chimney. On the other hand, a black greasy deposit that is difficult to remove is a result of wet and green wood and too slow a burning rate. This will also create heavy deposit buildup in the chimney.
4. DOOR GASKETS - The gasket used on this stove (22mm medium density fiberglass rope) requires only light pressure to seal. This will prolong seal life. It is important that the door seal be maintained in good condition. Periodically inspect seals and replace if necessary. Follow instructions included in the door gasket kit obtainable from your nearest Pacific Energy dealer.
5. DOOR GLASS - Do not slam loading door or otherwise impact glass. When closing door, make sure that no logs protrude to impact the glass. If the glass gets cracked or broken, it must be replaced before using the stove. Replacement glass can be obtained from your dealer. Use ceramic glass only. Do not substitute with any other type.

GLASS SIZE - 419mm x 267mm x 5mm

To remove broken glass, undo the four retaining screws and remove clamps, noting position for re-assembly. Remove all particles of glass. Be careful as they are very sharp. Install new glass complete with gasket. Replace clamps and screws.

6. Do not store wood within heater installation clearances, or within the space required for fuel loading and ash removal. Keep the area around the heater clean and free of loose combustibles, furniture, newspapers, etc.
7. If the heater requires cleaning, use mild soap and water only. **Use of abrasive cleaners will void warranty.**
8. Establish a routine for fuelling and firing the heater. Check daily for creosote buildup until experience shows how often you need to clean the chimney to be safe.
9. Be aware that the hotter the fire, the less creosote is deposited. Weekly cleaning may be necessary in mild weather, even though monthly cleaning is usually enough in the coldest months when burning rates are higher.
10. Instruct all members of your family on the safe operation of the heater. Ensure they have enough knowledge of the entire system if they are expected to operate it. Study the section on chimney fires and the importance of following the steps outlined "In Case of Chimney Fire".

WARNING:

Never use chemicals or any other volatile liquid to start a fire. Do not burn garbage, or flammable fluids such as gasoline, naphtha, or engine oil. We strongly recommend that smoke detectors be installed.

WARNING:

Only use materials supplied by manufacturer when doing maintenance or replacements.

CAUTION:

- do not overtighten, tighten screws very carefully
- do not clean glass when hot
- do not use abrasive cleaners on glass

Maintenance Checks

Check the following parts for damage such as cracks, excessive corrosion, burned out sections and excessive warping: (See website for descriptions and more detail)

Weekly:

- Firebrick - Visual, for cracking.
- Door Gasket - sagging, placement, damage.

Monthly

- Brick rail tabs and brick rails.
- Air riser tube in the back of the firebox.
- Back side of airwash chamber.
- Baffle locking pin.
- Boost tube cover.

When Cleaning the Chimney System:

- Top baffle board/blanket.
- Baffle.
- Top heat shield and mounting bolt.
- Baffle Gasket.
- Brick Rails.
- Manifold.

** - Some warping of the baffle is normal(up to 6.5mm).

- Replace if the baffle has permanent warping greater than this or has cracking or breakage.
- Please contact your Dealer if you experience any of the damage listed above. Continuing to operate your stove with broken parts may accelerate damage to other parts and may void your warranty

Creosote

Formation and Need for Removal

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

The chimney connector and chimney should be inspected periodically (at least once every two months) during the heating season to determine if a creosote buildup has occurred. If creosote has accumulated (3 mm. or more), it should be removed to reduce the risk of a chimney fire.

1. Highest smoke densities occur when a large amount of wood is added to a bed of hot coals and the air inlet is closed. The heated wood generates smoke, but without ample air, the smoke cannot burn. Smoke-free, clean burning requires leaving the air inlet relatively wide open, especially during the first 10 to 30 minutes after each loading, when most of the smoke generating reactions are occurring. After 30 minutes or once the wood is fully charred, the air inlet can be turned down substantially without excessive smoke generation. Wood coals create very little creosote-producing smoke.
2. The cooler the surface over which the wood smoke is passing, the more creosote will be condensed. Wet or green wood contributes significantly to creosote formation as the excess moisture that is boiled off cools the fire, making it difficult for the tars and gases to ignite, thus creating dense smoke and poor combustion. This moisture-laden smoke cools the chimney, compounding the problem by offering the smoke the ideal place to condense.

In summary, a certain amount of creosote is inevitable. Regular inspection and cleaning is the solution. The use of dry, seasoned wood and ample combustion air will help to minimize the buildup. Excessive creosote build-up can cause a chimney fire

Avoiding a Chimney Fire

1. Keep your chimney clear of creosote build-up by cleaning your chimney before each burn season, and as necessary (accumulations of 3 mm or more) during the season.
2. Burn clean, well-seasoned wood only (seasoned at least one year). Avoid wet or green wood.
3. Do not burn household trash, cardboard, plastics, construction lumber, treated or beach wood (as these will corrode your fireplace and void your warranty).
4. Do not leave the air inlet wide-open for extended periods of time.
5. Keep a fire extinguisher handy.
6. Prepare a home evacuation plan with a place outside where everyone is to meet.

Signs of a Chimney Fire

May be one or more of the following:

- A roaring sound.
- Vibration of the chimney.
- Flames and sparks shooting out of the top of the chimney.

In Case of a Chimney Fire

1. Immediately close the air inlets on the stove.
2. Evacuate the home, and call the local fire department.
3. After the chimney fire has been extinguished, the chimney must be cleaned and checked for stress and cracking before starting another fire. Also check combustibles around the chimney and roof.

Appliance Dimensions

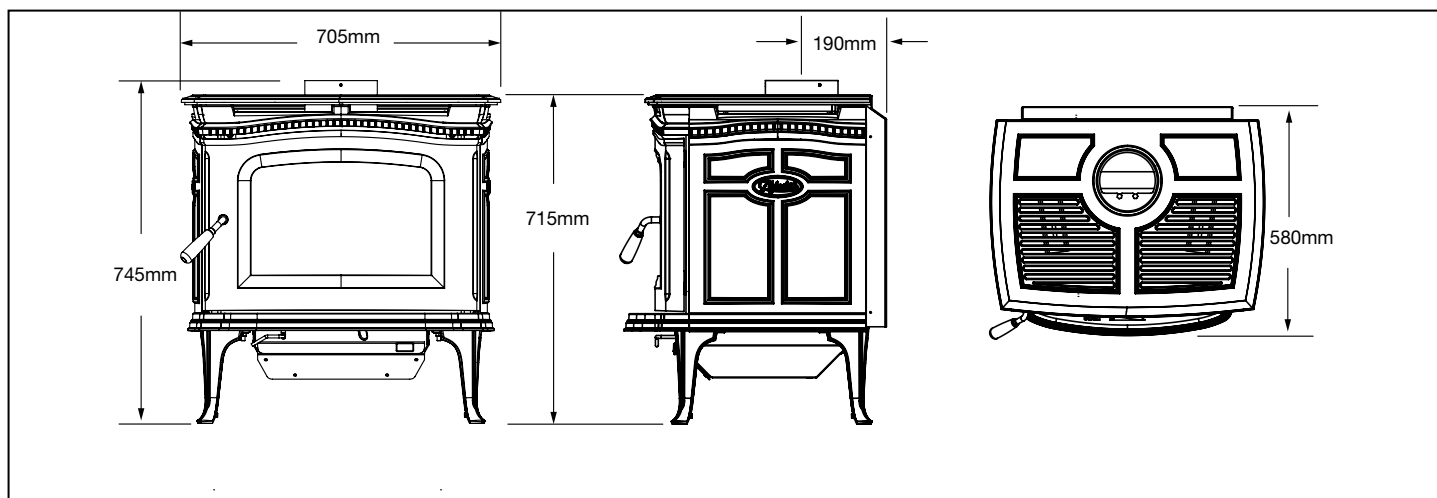
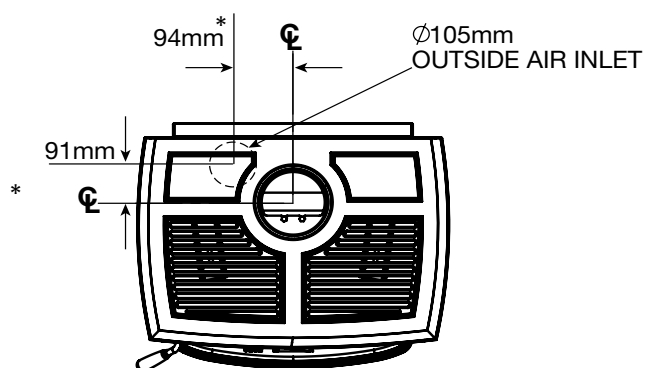


Figure 1. ALT4 LE2 dimensions.

Crate Removal

1. Carefully remove wood top and supports.
2. Remove plastic cover.
3. Remove the strap securing the unit to the cradle and lift off the pallet bottom.

Outside Air Opening Dimensions



* CENTERLINE OF CHIMNEY
OUTLET

Figure 2. OUTSIDE AIR DIMS metric.

Flue Thermocouple Guard

1. Remove the thermocouple guard from inside the flue collar of the unit. Figure 3
2. Remove the piece of cardboard holding the flue gas agitator in place. Figure 4
3. Re-install the thermocouple guard. Ensure all three ends are in place correctly. Figure 5



Figure 3. Thermocouple guard.



Figure 4. Cardboard piece.

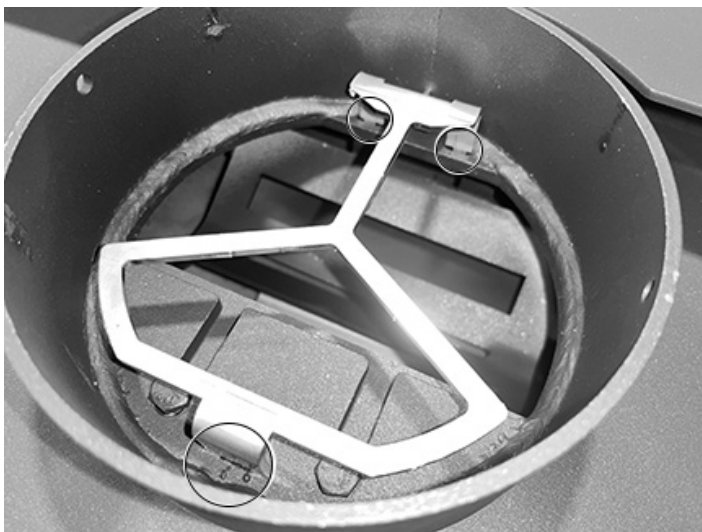


Figure 5. Thermocouple guard installed.

Installation

Warning:

Under no circumstances is this heater to be installed in a makeshift or "temporary" manner. It may be fired only after the stove is installed properly.

DO NOT ATTEMPT TO CONNECT THIS HEATER TO ANY AIR DISTRIBUTION DUCT.

Outside combustion air or fresh air into the room may be required in your area, consult local building codes (see Combustion Air section).

WARNING: THE APPLIANCE AND FLUE-SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES

WARNING: APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 4013 WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING 'TESTED TO AS/NZS 4013'.

ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4013.

CAUTION: MIXING OF APPLIANCE OR FLUE-SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.

CAUTION: CRACKED OR BROKEN COMPONENTS, e.g. GLASS PANELS OR CERAMIC TILES, MAY RENDER THE INSTALLATION UNSAFE.

WARNING: ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED AS BREACHING AS/NZS 4013.

CAUTION: THIS APPLIANCE SHOULD NOT BE OPERATED WITH A CRACKED GLASS.

CAUTION: THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS.

CAUTION: THE USE OF SOME TYPES OF PRESERVATIVE-TREATED WOOD AS A FUEL CAN BE HAZARDOUS.

**Do not connect this unit
to a chimney flue serving
another appliance.**

Connecting the A/C Adapter

Remove the A/C Adapter from inside the unit and connect the barrel plug to A/C Adapter plug in the Control Board then connect the adapter to a wall outlet. Figure 6

NOTE: If you unplug the unit for any reason, unplug the adapter from the wall outlet and wait a minimum of 30 seconds before plugging the unit back in. Also, if the power to the unit flickers, the control board may freeze up. Unplug the A/C Adapter from the wall for a minimum 30 seconds before plugging it back in to reset the control board.

Optional Battery Box Installation

1. Remove the Battery Box from the packaging.
2. Connect the plug from the Battery Box to the connection on the right side of the Control Board. Figure 8 (Right is “your right” and determined when standing facing the front of the unit.)
3. Place the battery box on the bottom back corner of the right side casting. Figure 7

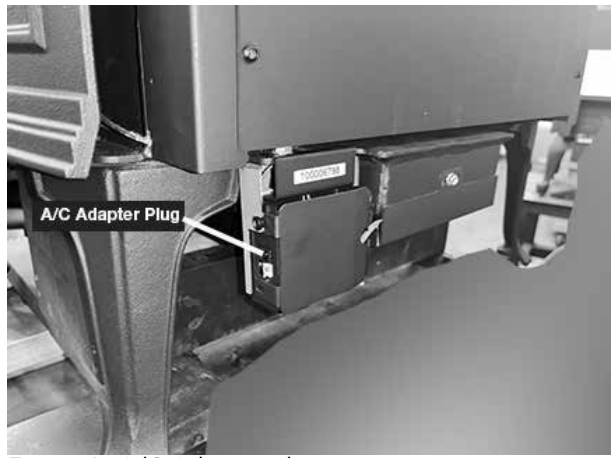


Figure 6. A/C Adapter plug.

NOTE: BATTERIES WILL LAST AN ESTIMATED 5-7 DAYS UNDER CONTINUOUS USE.



Figure 7. Battery Box placement.

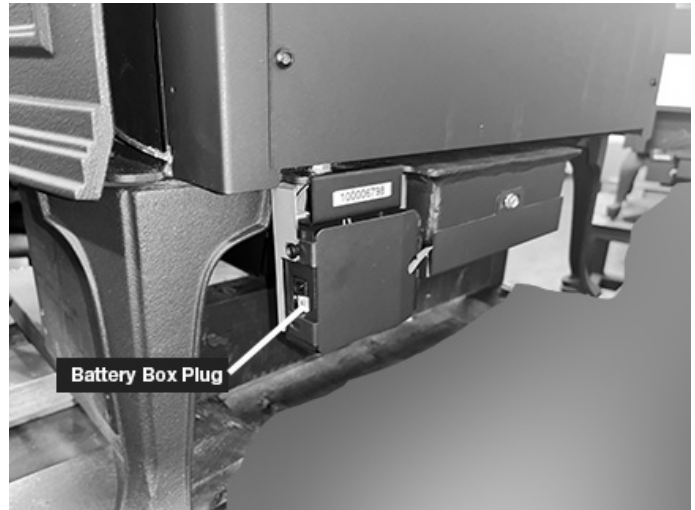


Figure 8. Battery Box plug.

Changing the Batteries

The Battery Box Assembly is located on the right side of the unit, below the side panel, if standing, facing the front of the unit. The Battery Box Assembly is secured to the firebox with a screw and can be easily lowered and held to change the batteries.

Note: Be careful not to pull on the wires connecting the Battery Box to the Control Board.

1. Carefully lower the Battery Box so the battery cover is facing up.
2. Remove the battery cover by releasing the catch at the end and lifting the cover off.
3. Remove the old batteries and replace them with the new ones.
4. Replace the battery cover and re-engage the flange onto the screw in the side panel again.

OPTIONAL BATTERY BACKUP: In the event of a power failure, the appliance is fully functional when using their optional battery backup system.

POWER FAILURE: In the event of complete power failure, until power is restored or batteries are replaced, the appliance will still operate within safe and certified limits using the manual air control at the front of the unit.

Clearances

Minimum Clearances to Combustibles

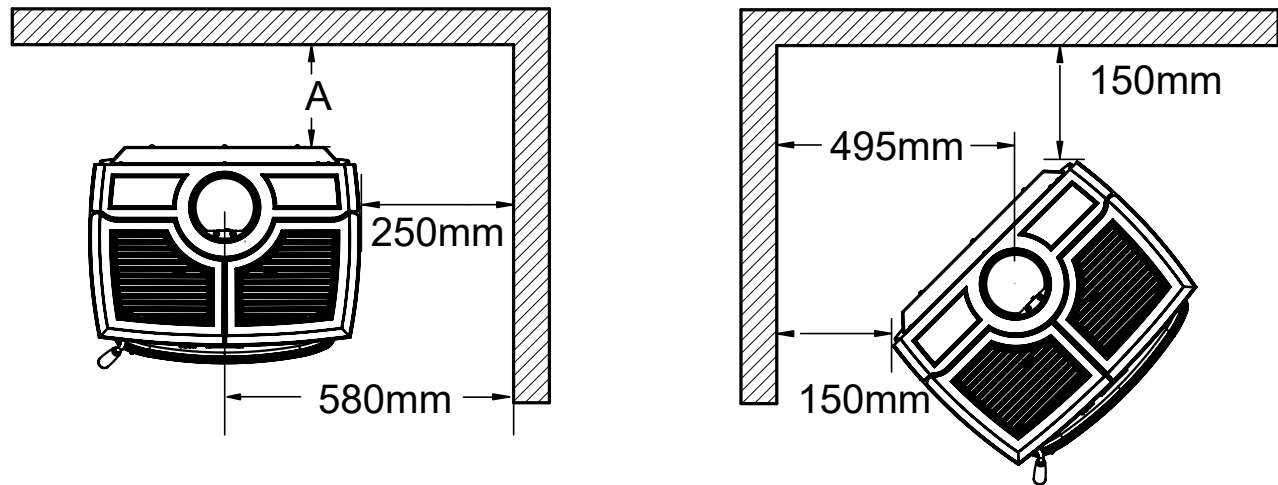


Figure 9. ALT4 LE2 AS Clearances.

Back Wall Clearances

A. 320mm when using a Dacromesh Shield only.

120mm when installed with a 130degree x 900mm stainless steel flue shield between the dacromesh casing and active flue.

Floor Protector

The stove may be installed on a combustible floor provided ember protection made from a 6mm thick non-combustible fibre-cement board with a thermal conductivity value of .41 W/m degree K .

This protection must extend as follows:

300 mm on the firing side and 200mm both sides of the door opening. Figure 10

Minimum Width - 840mm

Minimum Overall Depth - 766mm

Minimum Thickness - 6mm

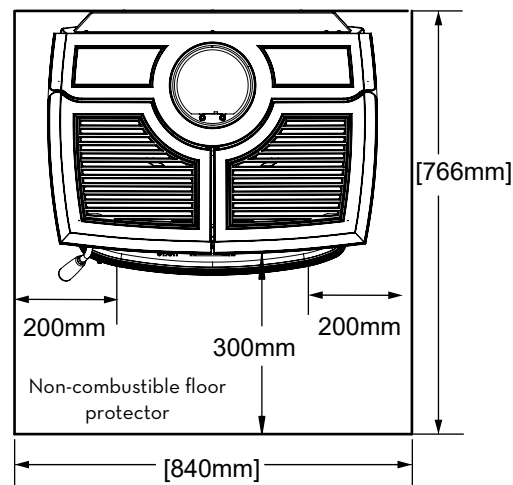


Figure 10. ALT4 LE2 AS Hearth pad.

Chimney and Connector

WARNING: INSTALL CHIMNEY AND ALL COMPONENTS OF CHIMNEY SYSTEM ACCORDING TO CHIMNEY MANUFACTURER'S INSTRUCTIONS.

Connect to a listed chimney complying with the requirements of AS/NZS2918/2001 and a chimney suitable for use with solid fuel that is lined and in good condition and meets local building codes. The chimney flue size should be the same as the stove outlet for optimal performance. Reducing or increasing the flue size may adversely affect stove performance. Chimney flue exit is to be minimum 1000mm above roof and 600mm above highest projection within 3000mm. The installation must meet all local codes. Do not connect this unit to a chimney flue serving another appliance. Minimum system height is 4600mm (measured from base of appliance).

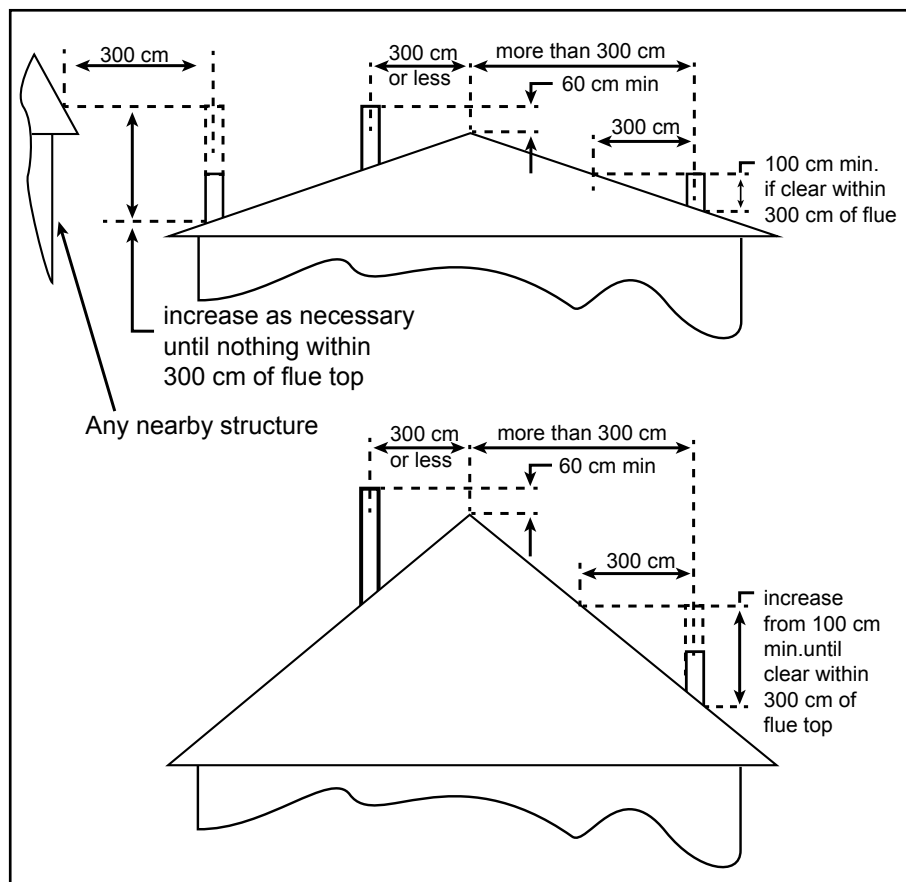


Figure 11. Chimney and connector.

Installation Procedure

1. Install all components to the chimney manufacturer's installation requirements. (Outside combustion air may be required, consult local building codes. See Combustion Air section on page 16.)
2. Installed with the crimped or male ends pointing down. This will carry any liquid creosote or condensation back into the stove.
3. If a roof or ceiling support is used in the installation, you will find the chimney manufacturer's complete instructions packed with the roof support.
4. To start installing smoke pipe (chimney connector), slip crimped edge of the pipe inside the stove collar. Use holes provided in collar to secure pipe with three screws.
5. 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.

Optional Blower

The optional blower kit Part #: 11140003 comes with a receptacle and a three prong power cord, part #11140008 may be installed at any time. Follow the installation instructions supplied with the kit. Route power supply cord away from heater.

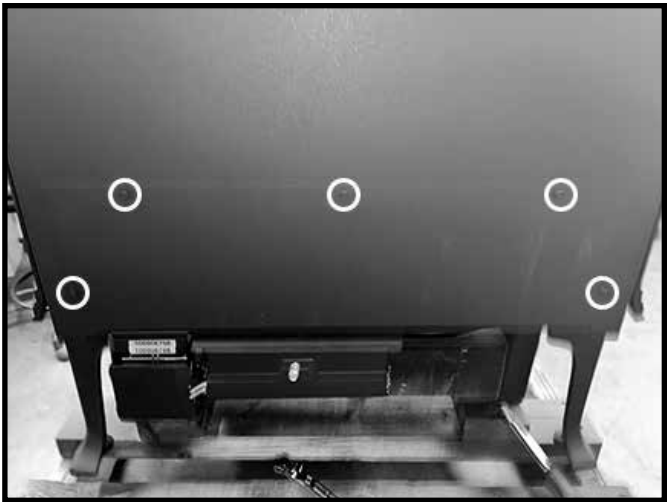
Electrical rating: 240 volts AC-1.02 amps.
Fan output rating: 140 CFM

Remove the five screws to remove the cover plate from the rear heat shield to install the blower.

Blower Operation

Proper blower speed matched with air control setting will ensure peak performance from your stove. Operate as follows:

- Air control set to "L" (low), operate blower speed control on "Low".
- Air control set between "L" and "H" (low and high), operate blower speed control at desired setting.

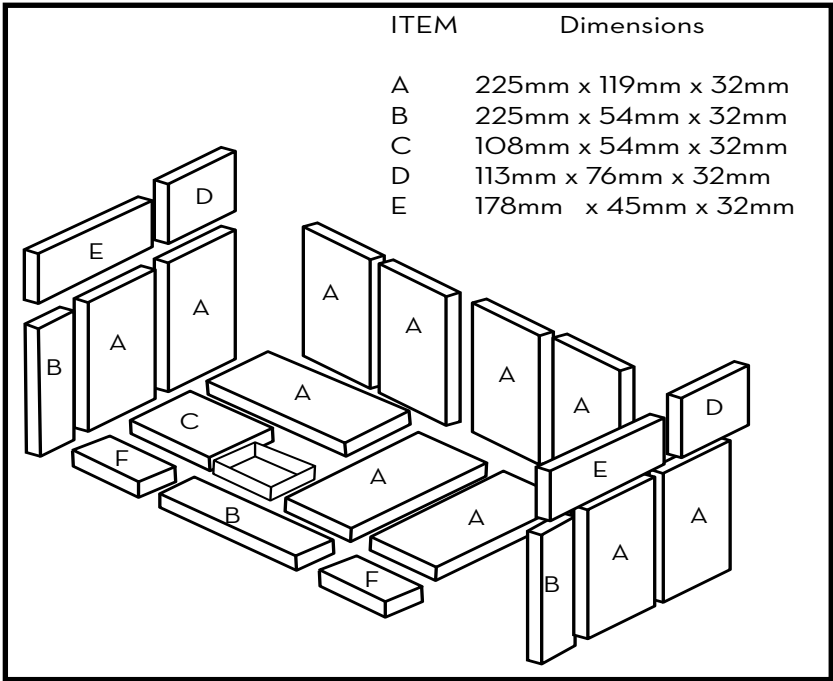


Automatic: With the rocker switch on the side of the fan housing set to "Auto" and set the two speed rocker switch set to your desired setting, the fan will turn on as the stove heats up to operating temperature. It will also shut the blower off after the fire has gone out and the unit has cooled to below a useful heat output range.

Manual: With the rocker switch on the side of the fan housing set to "Man" and the two speed rocker switch to your desired setting, this will bypass the temperature sensing device and allow full control of the blower. Switching from "Auto" to "Man" or selecting speed may be done anytime.

Note: The Blower will not shut off until it is manually turned off.

Firebrick Installation



Begin firebrick installation with the rear wall.

1. Stand one "A" firebrick vertically behind the tab located on the brick rail. Slide the firebrick toward the center of the rear wall Figure 12.
2. Slide a 2nd "A" firebrick underneath the tab on the brick rail Figure 13.

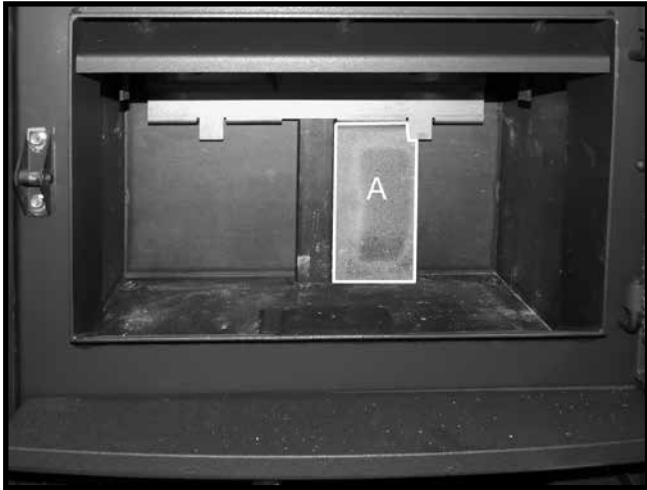


Figure 12. Installing the 1st of the rear wall bricks

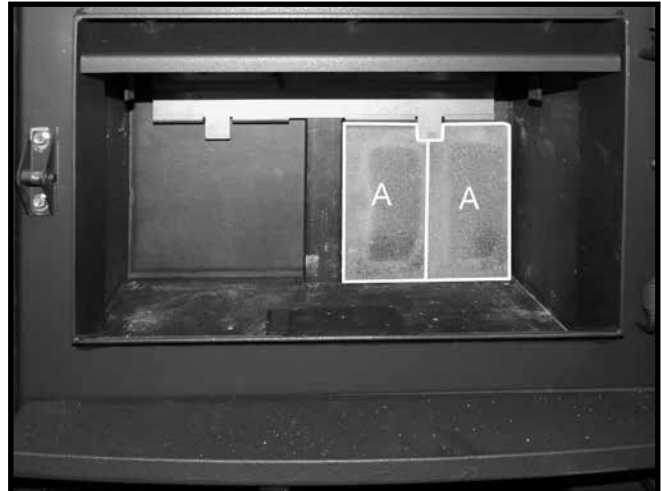


Figure 13. Installing the 2nd of the rear wall bricks

3. Repeat steps 1 & 2 for the placement of the other "A" firebricks on the rear wall Figure 14.
4. For the side walls: Slide a "D" firebrick up into the back corner of the firebox then, while holding it in place, stand an "A" firebrick against the side wall under the "D" firebrick and up against the rear wall firebrick Figure 15.

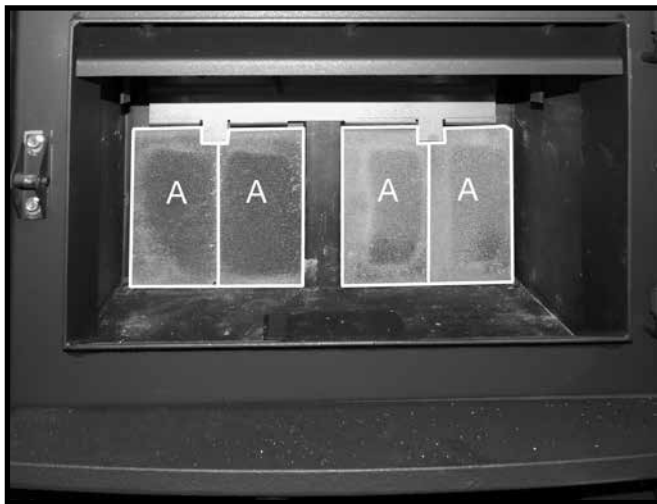


Figure 14. Remaining rear wall firebricks in place.

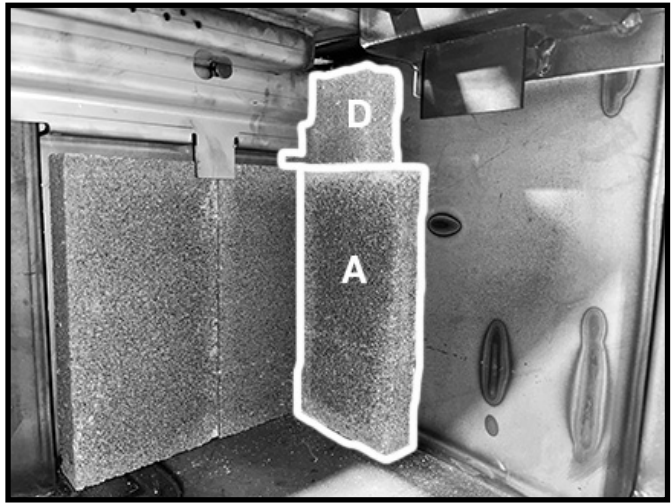


Figure 15. 1st side wall bricks in place.

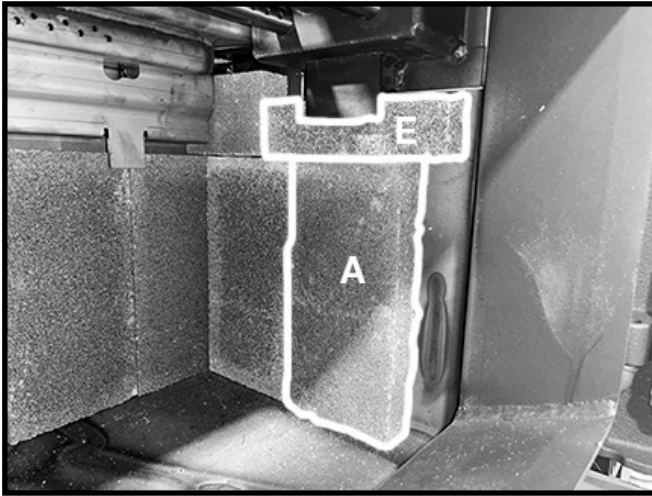


Figure 16. Second side wall bricks in place.

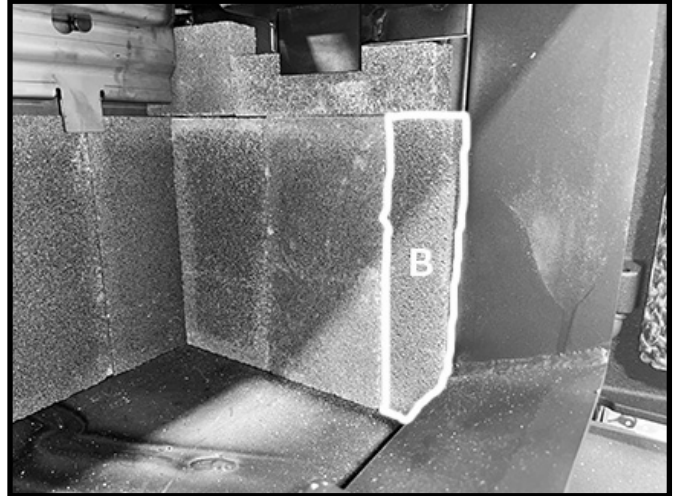


Figure 17. Front side wall firebricks in position.

5. Next, place an "E" firebrick up under the side brick retainer tab and stand another "A" brick beside the first one under the "E" firebrick Figure 16.
6. Place a "B" firebrick under the "E" firebrick and against the side wall of the firebox Figure 17.
7. Repeat steps 4-6 on the other side Figure 18.

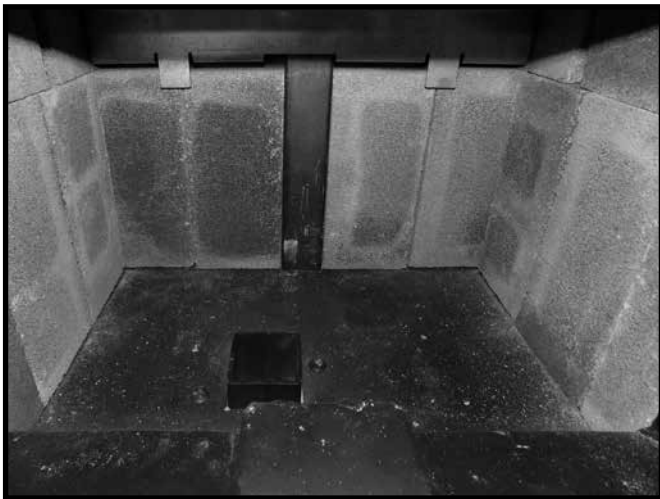


Figure 18. Firebox floor with ash dump.

8. Units with Ash Dump installed:
 - Place two "A" firebricks on the firebox floor as shown in Figure 19. on page 15
 - Place a third "A" firebrick against the rear wall as shown in Figure 20. on page 15
 - Place the "C" firebrick so that it sits beside the ash dump, against the left-hand side wall and the "A" firebrick located directly behind the ash dump Figure 21. on page 15

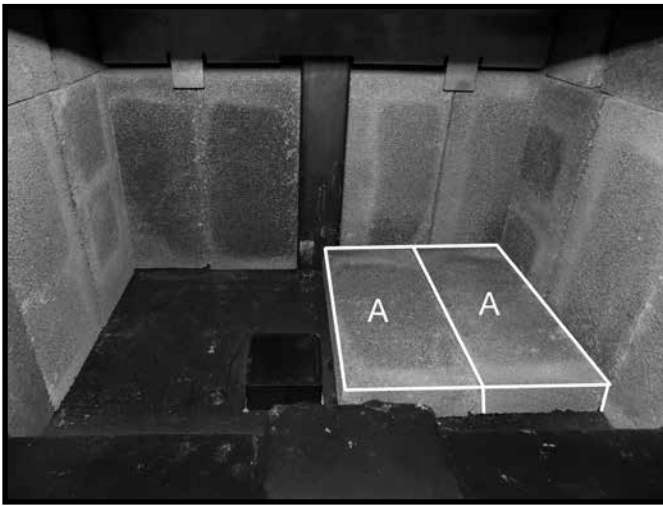


Figure 19. First two floor bricks in place.

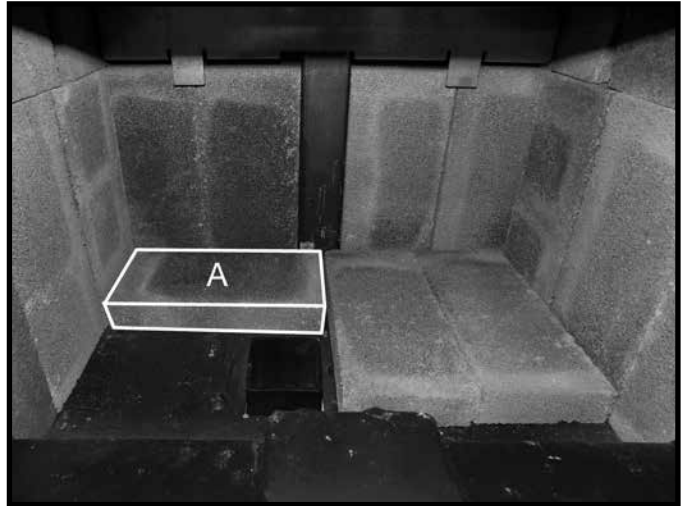


Figure 20. Third floor brick in place.

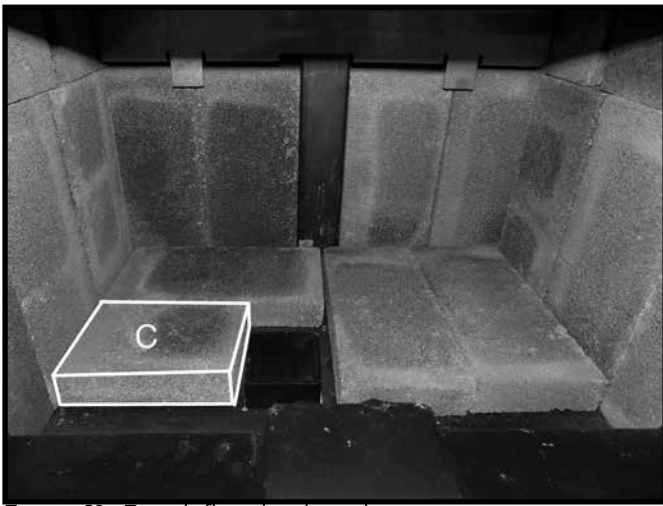


Figure 21. Fourth floor brick in place.

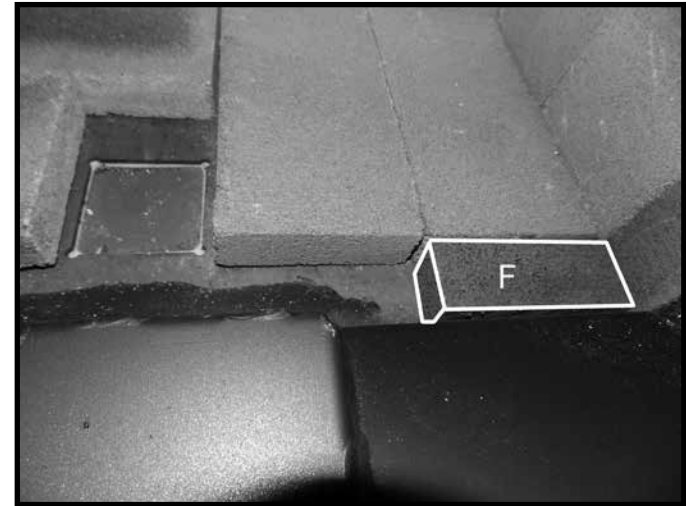


Figure 22. Short, narrow brick installed in front row.

9. Place a short narrow "F" brick against the front right side of the floor (Figure 22) followed by a longer "B" brick in the center of the front row (Figure 23). Finish with the last "F" brick placed against the left side front row (Figure 24). Note: There will be a gap remaining behind the ash dump.

10. Note: there will be one brick left over as a spare for units with an ashdump.

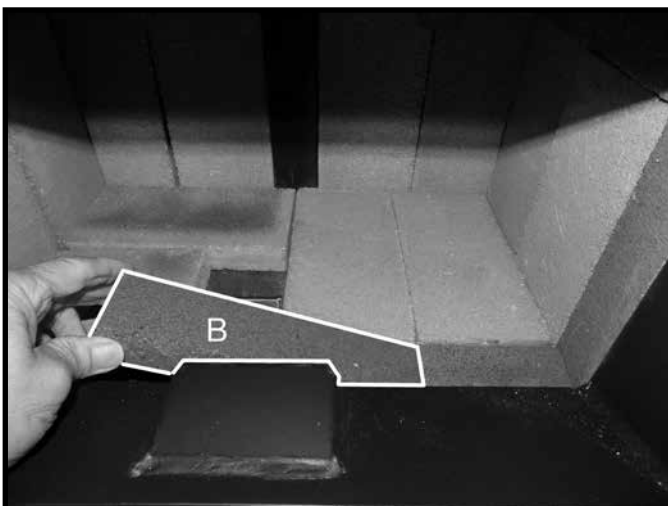


Figure 23. Long, narrow center brick in front row.

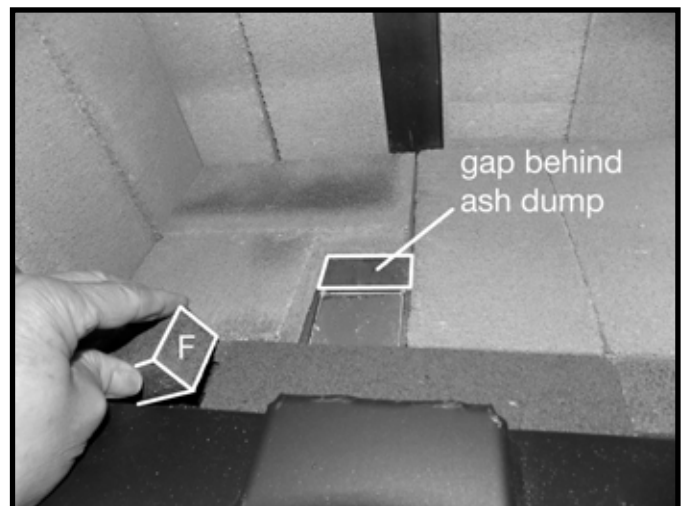


Figure 24. Final short, narrow brick in front row.

Combustion Air

Intake or combustion air can be supplied to the stove in one of two ways. Consult your local building code before proceeding.

1. **Outside air supply** - (Necessary for mobile home installation, optional for residential installation.) To draw outside air through the floor, cut or drill a 100mm diameter hole directly below the bottom hole of the ash box enclosure (Figure 25). Connect enclosure to the floor with a short 100mm diameter pipe.

This hole must get its air from a **ventilated** crawl space or be extended with duct to the outdoors (Figure 25). The use of outside combustion air for residential installation requires the unit to be secured to the structure to prevent dislodging of the air duct.

Note: This unit is not designed to be operated with the firing door open. In addition to the obvious hazard of sparks landing on combustibles, an open fire door will cause the heater to draw air from the living space and possibly cause suffocation.

2. **Room air supply** - There is a 100mm opening in the ash box enclosure. The stove will draw its air from the room through opening and into the firebox intake.

Note: The living space around the heater must be well ventilated with good air circulation. Anything that may cause a negative pressure can cause gases or fumes to be pulled into the living area. During extremely cold weather, and especially when burning at very slow rates, the upper parts of the exposed chimney may ice up, partially blocking the flue gases. If blockage occurs, flue gases may enter living space.

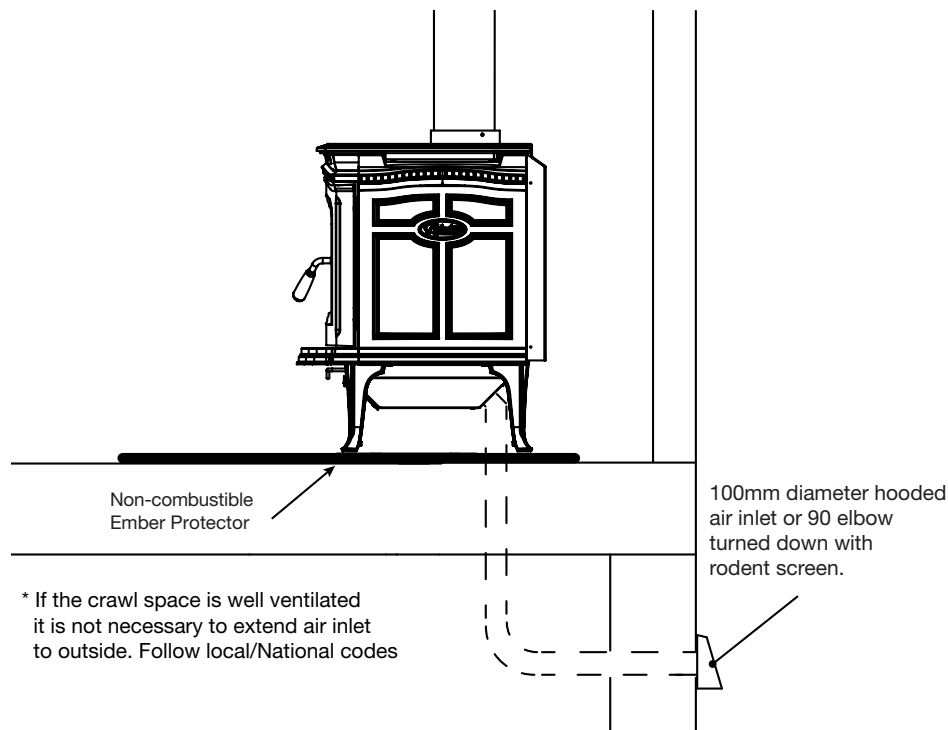


Figure 25. ALT AS Fresh Air.

Operation

CAUTION:

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

CAUTION:

Hot while in operation. Keep children, clothing and furniture away. Contact may cause skin burns.

WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS TO START OR REKINDLE THE FIRE.

WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHEN IT IS OPERATING.

WARNING: DO NOT STORE FUEL WITHIN HEATER INSTALLATION CLEARANCES.

WARNING: DO NOT OPERATE THIS APPLIANCE AS AN OPEN FIRE.

WARNING: OPEN AIR CONTROL (AND DAMPER WHEN FITTED) BEFORE OPENING FIRING DOOR.

Your PACIFIC ENERGY heater is designed for maximum overall efficiency at a moderate firing rate. Over-firing is hazardous and a waste of fuel. Too slow a burn contributes to creosote buildup and lowers combustion efficiency.

NOTE: Left and Right as referred to in this manual are considered your left and right when facing the front of the woodstove.

Wood Selection

This heater is designed to burn natural wood only. Higher efficiency and lower emissions generally result when burning air-dried seasoned hardwoods, as compared to softwoods or too green or freshly cut hardwoods.

Wood should be properly air dried (seasoned) for six months or more. Wet or undried wood will cause the fire to smoulder and produce large amounts of creosote. Wet wood also produces very little heat and tends to go out often.

DO NOT BURN :

- Salt water wood *
- Treated wood
- Wet or green wood
- Coal/charcoal
- Garbage/Plastic *
- Solvents

*** These materials contain chlorides which will rapidly destroy metal surfaces and void warranty.**

Do not burn anything but wood. Other fuels (eg. charcoal) can produce large amounts of carbon monoxide, a tasteless, odourless gas that can kill. Under no circumstances should you attempt to barbecue in this heater.

How to Test Your Wood

Add a large piece of wood to the stove when it has a good large bed of coals. It is dry if it is burning on more than one side within one minute. It is damp if it turns black and lights within three minutes. If it sizzles, hisses and blackens without igniting in five minutes it is soaked and should not be burnt.

Lighting for the First Time

Curing of the Paint Finish

To achieve the best finish, the paint on your stove must be baked on. When burning your stove for the first 2-3 times it is very important that the room be well ventilated. Open all windows and doors. Smoke and fumes caused by the curing process may cause discomfort to some individuals.

Lighting a Fire

WARNING: Never use chemicals or any other volatile liquid to start a fire.

1. Adjust air control to maximum firing position, all the way to the left (start position) and open door.
2. Place crumpled newspaper in the centre of the heater and criss-cross with several pieces of dry kindling. Add a few small pieces of dry wood on top.
3. Ignite the paper and close the door.
4. After the fire has established itself, open the door and add a few small logs. Close the door.
5. Begin normal operation after a good coal base exists and wood has charred.

Normal Operation

1. Set air control to a desired setting. If smoke pours down across the glass (waterfall effect) this indicates you have shut the control down too soon or you are using too low a setting. As every home's heating needs vary (based on insulation, windows, climate, etc.) the proper setting can only be found by trial and error and should be noted for future burns.
2. To refuel, adjust air control to high, and give the fire time to brighten. Open the door slowly, this will prevent back-puffing.
3. Use wood of different shape, diameter and length (up to 457mm). Load your wood and try to place the logs so that the air can flow between them. Always use dry wood.
4. Do not load fuel to a height or in such a manner that would be hazardous when opening the door.
5. For extended or overnight burns, unsplit logs are preferred. Remember to char the wood completely on maximum setting before adjusting air control for overnight burn.

WARNING: Always keep loading door closed when burning. This heater is not designed for open door burning.

WARNING: No alteration or modification of the combustion air control assembly is permitted. Any tampering will void warranty and could be very hazardous.

WARNING: Do not use grates or andirons to elevate the fuel. Burn directly on the fire bricks. Replace broken or missing bricks. Failure to do so may create a hazardous condition.

Restarting After Extended or Overnight Burns

1. Open door and rake hot embers towards the front of the heater. Add a couple of dry, split logs on top of embers, close door.
2. Adjust air control to high (left position) and in just a few minutes, logs should begin burning.
3. After wood has charred, reset air control to desired setting.
4. To achieve maximum firing rate, set control to high (left position). Do not use this setting other than for starting or preheating fresh fuel loads.

Proper Draft

1. Draft is the force which moves air from the appliance up through the chimney. The amount of draft in your chimney depends on the length of the chimney, local geography, nearby obstructions and other factors.
2. Too much draft may cause excessive temperatures in the appliance. An uncontrollable burn or a glowing red stove part or chimney indicates excessive draft.
3. Inadequate draft may cause back-puffing into the room and plugging of the chimney. Smoke leaking into the room through appliance and chimney connector joints indicates inadequate draft.

Ash Removal

Whenever ashes get 76mm to 102mm inches deep in your firebox, and when fire has burned down and cooled, remove excess ashes. Leave an ash bed approximately (25 mm) deep on the firebox bottom to help maintain a hot charcoal bed.

Ash Chute Operation: Your Alderlea stove is equipped with an ash chute system to ease removal of ash from the ash lip area. To use this system, first pull out the ash pan approximately 51mm, sweep the ash into the chute located to the right side of the ash lip, and close the ash pan.

Ash Cleanout System: The ash dump handle is located under the ash lip on the left hand side. To operate ash dump, pull handle out 13mm and turn clockwise. This will unlock the ash dump and allow it to open. Hold handle open while pulling ashes into the opening. Avoid large embers as these still contain heat value. Release handle and push in to lock. Ensure ash dump door is properly engaged. Fill the cavity with the remaining ash level with the firebox floor. Pull out ashpan and discard ashes into metal container. Replace ashpan and ensure it is seated properly.

DO NOT OVER-FIRE THIS HEATER:
Attempts to achieve heat output rates that exceed heater design specifications can result in permanent damage to the heater and chimney.

CAUTION:
Ashes are to be removed only when the heater is cold.

Do not burn with ash dump door open. Doing so will create a hazardous condition. Always leave about 1" of ash when cleaning.

Disposal of Ashes

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed outside 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 a closed container until all cinders have thoroughly cooled. Other waste should not be placed in this container.

Flue Gas Agitator Removal/Installation

DO NOT OPERATE WITH AGITATOR REMOVED.

The Flue Gas Agitator comes pre-installed inside the unit and should not need to be handled in any way. In the case the Agitator needs to Be replaced, follow the instructions below.

Removal

1. Remove the rear baffle assembly. See "Baffle Removal" page 21.
2. Lift the Flue Gas Agitator and pull towards the front of the stove Figure 27



Figure 26. Remove rear baffle.



Figure 27. Remove Flue Gas Agitator.

3. Lower the Flue Gas Agitator down and disengage it from the front mounting slots in the flame shield. Figure 28
4. Reverse Steps 1-3 to install the new Flue Gas Agitator.



Figure 28. Front mounting slots for Flue Gas Agitator.

Baffle Removal

Chimney connector pipe should be disconnected from stove to clean and inspect. Only if this is not possible should you remove baffle assembly.

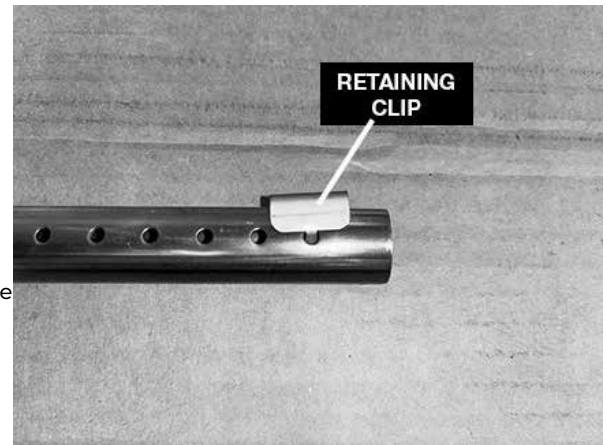
DO NOT OPERATE WITH BAFFLE ASSEMBLY, TUBES OR INSULATION REMOVED.

Baffle Removal

1. Slide the Ceramic Baffle Board located above the tubes towards the front of the stove. Remove retaining pin at the back of the firebox, just under the baffle.
2. Lift the Baffle up to disconnect from the Baffle supply tube.
3. Move the Baffle to one side then tilt it sideways to drop down and remove from firebox. You may need to remove the opposite side brick rail to allow the Baffle to drop down. - To remove the Brick Rail, remove the brick directly under it then lift the rail up and inward to clear the locating pins
4. Inspect the gasket between baffle and supply tube. If necessary, replace with gasket (part#80000365) available from your Pacific Energy dealer.
5. Re-install baffle assembly in reverse order. The two side pieces of blanket insulation must be tight against the side rails. The Ceramic Board on top of the tubes must be pushed back tight against the Baffle.

Baffle Board/Tubes Removal

1. Slide the baffle board towards the front of the stove and drop it down and out the door opening. **Caution - Baffle Board material is very fragile.**
2. Pop out the retaining clip on the right side of the front baffle tube by rotating it up then disengage the tab from the hole in the front of the tube.
3. Slide the tube to the right to disengage the left end of the tube from the baffle air box and remove the tube from the unit.
4. Repeat steps 2 & 3 to remove the remaining tube.



Baffle Board/Tubes Installation

1. Install the baffle tubes first as per steps #2 & #3 below.
2. With the holes facing forward and the notch to the left side, insert the front baffle tube into the hole in the baffle air channel on the right at an angle and then raise and insert into the opposite hole on the left side baffle air assembly until the tube sits tight to the tab in the hole.
3. Place the retaining clip tab into the hole in the baffle tube on the right side and pop it back over the tube to secure it in place.
4. Insert the baffle board above the baffle tubes inside the firebox and under the retaining tabs on the baffle air channels. **Caution - Baffle Board material is very fragile.**
5. Slide the baffle board back until the lower edge is tight against the baffle.

Troubleshooting

Problem	Cause	Cure
Glass is Dirty	1. Wood is wet 2. Turning down air control or damper too soon 3. Draft too low 4. Door gasket leakage	• Use dry wood • Do not turn down until a) there is a good bed of coals b) the wood is charred • Improper chimney height and / or diameter, -consult dealer • Chimney plugged or restricted, - inspect and clean • Provide outside air for combustion • Replace gasket • Check latch for proper operation
Excessive Creosote Buildup	See 1,2,3, above.	See 1,2,3, above.
Low Heat Output	1. Wood is wet 2. Fire too small 3. Draft too low	• Use dry wood • Build a larger fire • Chimney plugged or restricted, - inspect and clean
Won't Burn Overnight	1. Air control is set too high 2. Not enough wood 3. Draft too high 4. Poor quality or wet wood	• Set air control lower • Unsplit wood is preferred for overnight burns • Excessive chimney height and/or diameter • Use good quality, dry wood
Wood Won't Burn	1. Combustion air supply blocked 2. Draft too low	• Check outside air supply for obstruction • Chimney plugged or restricted, -inspect and clean • Chimney oversized or otherwise unsuitable, -consult Dealer

Replacement Parts

(WHEN ORDERING, INCLUDE PART NUMBER WITH DESCRIPTION)

1	TOP, ALT4	7	Gasket, Door	80000156
	METALIC BLACK PAINT	8	Glass Retainer	80002356
	MAJOLICA BROWN ENAMEL	9	Glass(C/W Tape)	80000220
	IVORY ENAMEL	10	Door Handle, Alderlea, Left	80000013
2	SIDES, ALT4	11	Air Control, Primary, ALT 4 LE2.....	80002971
	METALIC BLACK PAINT	12	Ash Dump Assembly.....	80001793
	MAJOLICA BROWN ENAMEL	13	Ash Pan, Alt4 LE	80002487
	IVORY ENAMEL	14	Ash Pan Enclosure, Alt4 LE.....	80002488
3	DOOR CROWN, ALT4	15	Firebrick, (Set).....	80002875
	METALIC BLACK PAINT	16	Door Catch, Alt 1.2/4 LE.....	80002492
	MAJOLICA BROWN ENAMEL	17	Door Hinge, Alt 4 LE	80002489
	IVORY ENAMEL	18	Tube Air Box Gasket	80002359
4	ASHLIP, ALT4	19	Tube Air Box (Rhs)Hinge side	80002891
	METALIC BLACK PAINT	20	Tube Air Box (Lhs)Latch side	80002892
	MAJOLICA BROWN ENAMEL	21	Tubes, Neo 1.6 LE / Vista LE (Set Of 2).....	80002364
	IVORY ENAMEL	22	Baffle Board.....	80002357
5	LEG CASTING (IPC)	23	Flame Shield	80002878
	METALIC BLACK PAINT	24	Baffle, Pin, (10pc).....	80000364
	MAJOLICA BROWN ENAMEL	25	Baffle.....	80002361
	IVORY ENAMEL	26	Brick Rail Set, Left/Right.....	80002363
6	DOOR ASSY ALT4	27	Baffle Blanket (Set).....	80002362
	BLACK PAINT (HANDLE ON LEFT)	28	Baffle Gasket.....	80000365
	MAJOLICA BROWN ENAMEL	29	Rear Brick Rail	80002879
	IVORY ENAMEL	30	Rear Air Deflector, Alt4 LE2 (not shown)	80002490
		31	Baffle Tube Retaining Clip LE2(not shown).....	80002889
		32	Wall Adapter 12V(not shown).....	80002965
		33	Firebox Thermocouple	80002836
		34	Optional Battery Box assembly(not shown).....	11490005
		35	Control Board assembly	80002835
		36	Motor Control assembly	80002834
		37	Flue Thermocouple.....	80002837
		38	Flue Protector(Thermocouple guard).....	80002832
		39	Flue Gas Agitator.....	80002880

All parts may be ordered from your nearest Pacific Energy dealer. Contact Pivot Stove & Heating for the location of the dealer nearest you.

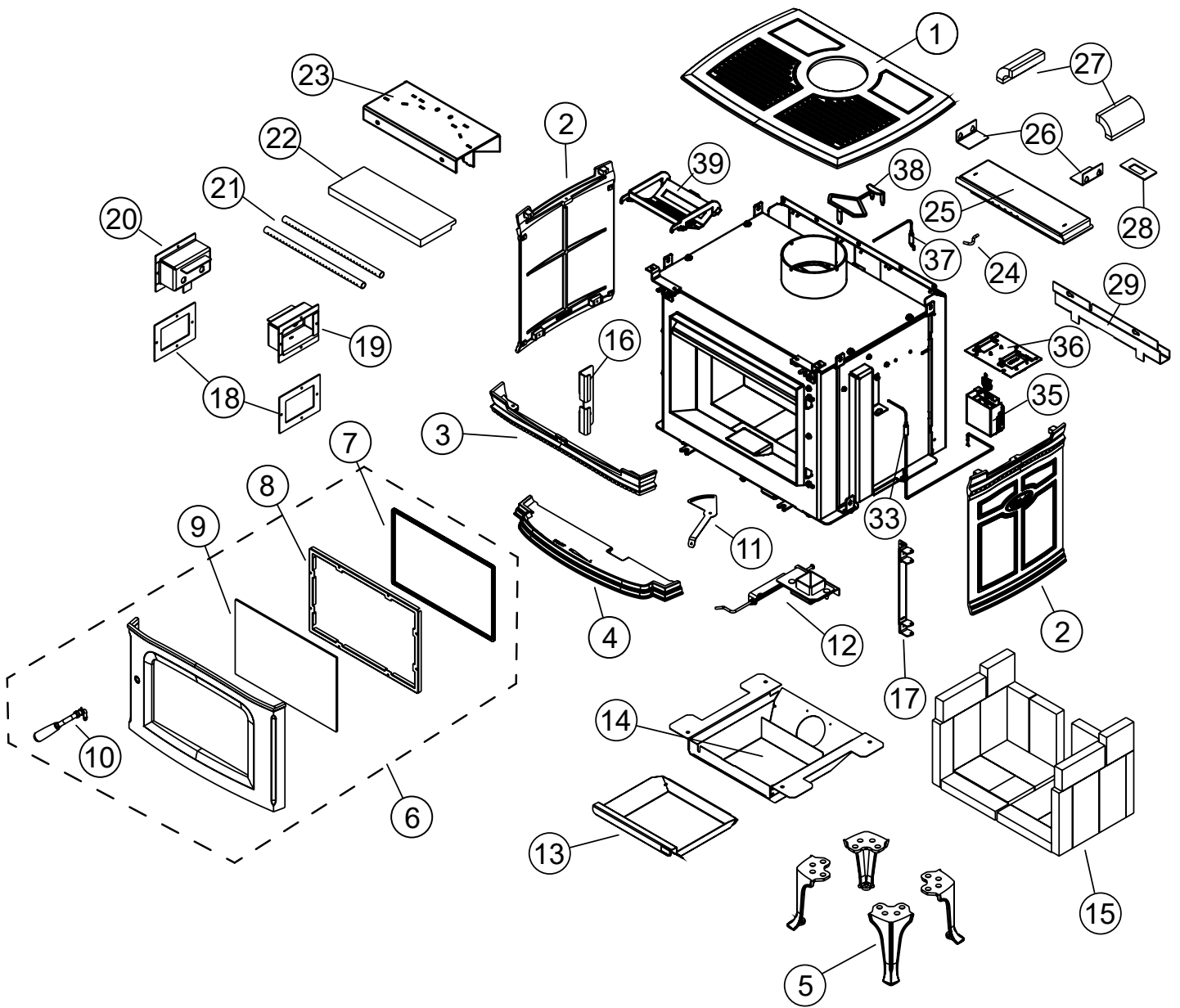


Figure 29. ALT4 LE2 AS Replacement parts.

Compliance Plate



PACIFIC ENERGY FIREPLACE PRODUCTS LTD.
2975 ALLENBY RD., DUNCAN, BC V9L 6V8

Model: **VISTA LE2(M), ALDERLEA T4 LE2(M)**
Series: **A** Type: **FREESTANDING**

Tested by: **AUSTRALIAN SOLID FUEL TESTING**
3 GARDEN ST., MORWELL, VICTORIA
Test report no: **ASFT24113 16 DECEMBER 2024**

WHEN TESTED IN ACCORDANCE WITH:
AS/NZS 4012:2014 & AS/NZS4013:2014
PEAK HEAT OUTPUT BURNING HARDWOOD
8.4 kW
MAXIMUM EFFICIENCY BURNING HARDWOOD
74%
PARTICULATE EMISSIONS FACTOR - 0.8g/kg
CATALYTIC COMBUSTOR - NO

ACMS KIT INSTALLED ☐

Model: **VISTA LE2(ACMS), ALDERLEA T4 LE2(ACMS)**
Series: **A** Type: **FREESTANDING**

Tested by: **AUSTRALIAN SOLID FUEL TESTING**
3 GARDEN ST., MORWELL, VICTORIA
Test report no: **ASFT24119 17 DECEMBER 2024**

WHEN TESTED IN ACCORDANCE WITH:
AS/NZS 4012:2014 & AS/NZS4013:2014
PEAK HEAT OUTPUT BURNING HARDWOOD
6.9 kW
MAXIMUM EFFICIENCY BURNING HARDWOOD
81%
PARTICULATE EMISSIONS FACTOR - 0.6g/kg
CATALYTIC COMBUSTOR - NO

Distributed by: PIVOT STOVES AND HEATING CO, 120 Victoria Street, Nth Geelong – Vic 3215, pivotstove.com.au

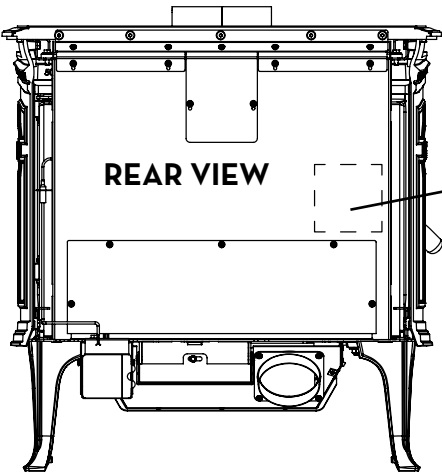
SERIAL #

MADE IN CANADA

DATE OF MANUFACTURE

270325

100007594



REAR VIEW

COMPLIANCE PLATE
LOCATION



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