LTD Mega Built-In Model

INSTALLATION MANUAL

LTD Mega Built-In

**Refer to the other side of this manual for owners operation & warranty details*

METRO

IMPORTANT MESSAGE TO THE INSTALLER

WARNING

IF YOU DON'T READ THIS ENTIRE MANUAL, YOU MUST READ THIS FIRST Page!

This Metro wood fire has been tested to and complies with AS/NZS2918:2001 when installed in accordance with this manual. Please ensure you are fully conversant with this relevant standard and the contents of this manual. Correct installation is critical to the safe operation and performance of this woodfire.

Please take particular note of the following:

- A minimum length of 4.0 metres of 150mm diameter flue pipe is required. The total length of the 150mm flue pipe must be fully encased from top to bottom with a 200mm diameter inner casing and a 250mm diameter outer casing.
- All flue joints must be sealed and riveted; the bottom of the flue in particular MUST be fully sealed into the flue outlet of the Metro woodfire.
- In New Zealand, the Metro fire must be bolted securely to the floor to comply with the seismic restraint provisions of AS/NZS2918.2001.
- The Metro fascia is coated in vitreous enamel or silver high temperature aluminised paint, Take care during assembly and when lifting of fitting the fascia that you do not damage this coating. Do not lift the Metro fascia with your fingers under the louvre's.

WARNING

- **THE APPLIANCE AND FLUE-SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918:2001 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.**
- **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 OR COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.
- DO NOT INSTALL A METRO WITH ANY SIGNS OF VISIBLE DAMAGE.

ATTENTION

- **IMPORTANT NOTE TO THE INSTALLER –**
- IT IS CRITICAL TO THE SAFE INSTALLATION OF A BUILT-IN SERIES FIRE THAT YOU ARE CONVERSANT WITH THE INSTALLATION OF WOODFIRES AND COMPETENT TO UNDERTAKE THIS INSTALLATION. YOU MUST READ THE FOLLOWING POINTS PRIOR TO STARTING THE INSTALLATION.

STAGE 1 – UNPACKING AND FAMILIARISATION

The function of the Metro Mega Built-In is to enable the fire to be installed into a timber framed wall replacing a masonry chimney at a fraction of the cost.

- Installation must be strictly in accordance with this manual to comply with the test approvals to AS/NZS2918:2001 held by Pioneer Manufacturing Ltd.
- Certain points within this manual are critical to the safe operation of the Metro Mega Built-In, these points are highlighted by being shaded within a grey panel.
- Refer to stage 4 in relation to floor protector requirements prior to commencing installation.

The Metro Mega Built In

Having read the three critical bullet points above, unpack and familiarise yourself with the various components of the Metro Built-In;

Supplied with the Metro Mega Built-in:

- 1 x Fascia
- 1 x 200mm/250mm liner spigot
- 1 x Airslide
- 1 x Bag of assembly screws, bolts and nuts
- 1 x Installation manual

Not supplied but required:

- 2 x Restraint fixtures (masonry anchors or wood screws)
- 1 x ECO Built-In Flue System (3x ECO extension kits and 1x ECO cowl)

Optional

- 1 x Thermostatically controlled fan

STAGE 2 – PREPARING THE WALL OPENING/CAVITY

Prepare an opening in the wall as illustrated in Diagram 1.

Note: Standard wall lining materials including gib board are acceptable as a wall lining material. This includes the wall directly behind the Mega Built-In fascia.

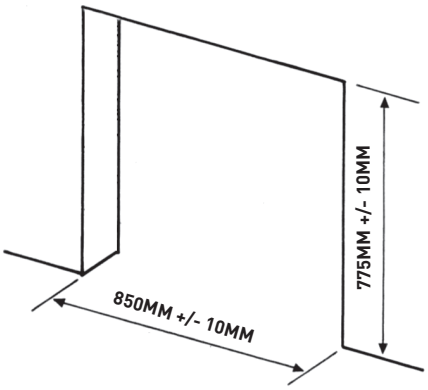


Diagram 1

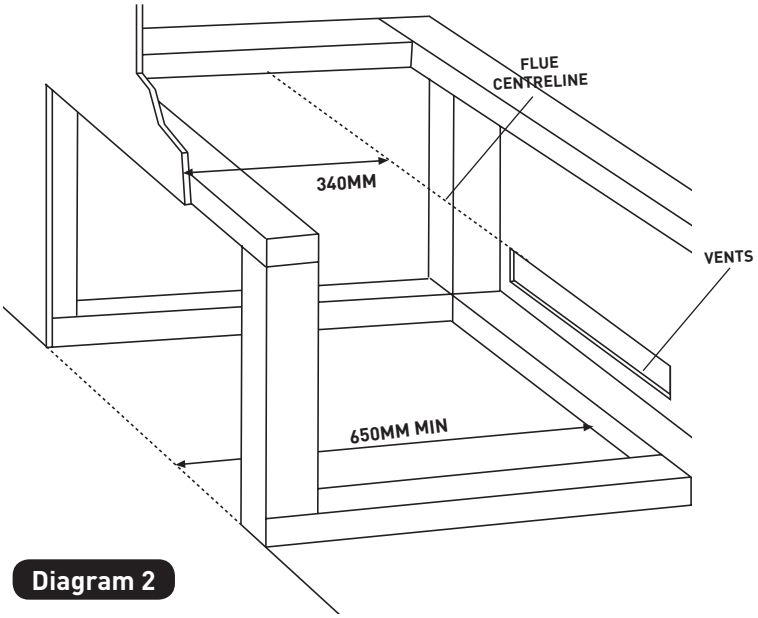


Diagram 2

- If the enclosure is constructed to the full height of the room and is fully open/vented into the ceiling cavity of the home, then the venting requirements as detailed in Diagram 2 of this page are not required.
- If the Mega Built-In is built into an enclosure that is not open/vented to the ceiling cavity, the enclosure must be vented as illustrated in Diagram 2 and specified in the grey panel below.
- The linings/construction of the enclosure does not need to be from insulating or non combustible materials.
- Insulation is not required under the Mega Built-In, it may sit directly onto a timber or particle board floor.
- The distance from the front edge of the enclosure (directly behind the fascia) to the centre of the flue is 340mm as shown.

Note: If a brick front is to be built you need to allow for the thickness of the bricks.

CAUTION

- AN AIR VENT OR VENTS ARE REQUIRED ON THE REAR OF THE ENCLOSURE. THIS VENT/VENTS MUST BE NO MORE THAN 300mm ABOVE THE FLOOR AND HAVE A MINIMUM SURFACE AREA OF 280sq cm. I.E A VENT OF 400mm x 70mm ON THE REAR OF THE CAVITY.
- IF THE ENCLOSURE IS THROUGH AN EXTERNAL WALL, SUITABLE PRECAUTIONS WILL BE NECESSARY TO PREVENT RODENTS AND DEBRIS FROM ENTERING OR RESTRICTING THE AIR VENTS. IF GRILLS ARE USED ENSURE THE MINIMUM VENT AREA IS MAINTAINED THROUGH THE GRILL ITSELF.

STAGE 3 – INSTALLING THE MEGA BUILT-IN

- Important; If the Mega Built-In is to have a raised floor protector the base on which the Mega Built-In will be installed on needs to be raised to the same height.
- Position the Mega Built-In into the wall opening you have created (Diagram 1), slide the cabinet into the cavity until the front edge of the Mega Built-In cabinet is flush with the front face of the wall lining. Note: if you intend constructing a brick fascia in front of the wall lining then the front edge of the Mega Built-In cabinet should be flush with the front face of the bricks.
- Check the Mega Built-In is central by ensuring the clearance between each side of the cabinet and the sides of the opening are equal.
- Secure the Mega Built-In to the floor through the two restraint holes provided in each corner at the front of the cabinet. Masonry anchors are required for a concrete floor and wood screws for a timber or particleboard floor.

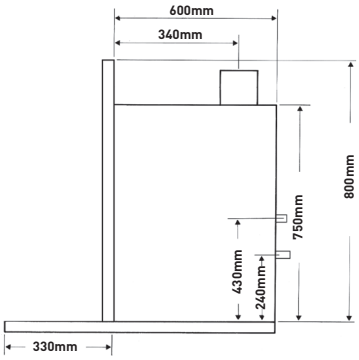
Note: this must be secured rigidly to meet the seismic restraint requirements of AS/NZS2918:2001

- Using a 10mm spanner, remove the two bolts holding the air slide spacers which are located at the top, front of the firebox, ensuring the control arm of the air slide is located on the right side of the firebox. Attach the air slide to the firebox using the two bolts and spacers.
- Position the 200mm/250mm diameter "liner spigot" into the top of the cabinet centralising it with the centre of the flue spigot. Secure the "liner spigot" into position using the twelve self tapping screws supplied.
- Unwrap the two firebricks from the cardboard wrapper and fit the side bricks to each side of the firebox.

STAGE 4 – BUILDING/INSTALLING THE FLOOR PROTECTOR

The Metro Mega Built-In requires a "minimal" insulating floor protector [recommended contruction is "tiles on 6mm thick promina board" although any non-combustible material fixed to 6mm promina board is suitable including glass or steel/aluminium sheet etc.] This Floor Protector must be a minimum width of 920mm and a minimum overall depth of 330mm. Minimum overall depth is the distance from the front of the wall lining (behind the fascia) to the front point of the Floor Protector.

LTD Mega Built-In



	Depth	Height	Width
Fascia	30mm	800mm	900mm

STAGE 5 – FITTING THE MEGA BUILT-IN FASCIA

On a flat surface (a floor) slide the fascia out of the carton and remove the door which is packed in a separate carton located in the centre of the fascia. Remove the door from the carton, taking the door in both hands with the spindle end in your right hand and the outer face of the door facing you, attach the door to the firebox as follows;

- With the door in a 45 degrees open position, allow the lower hinge pin on the bottom left hand side of the firebox to pass into the hole provided in the bottom of the door frame.
- Lift the door until the top of the door frame passes over the top of the hinge pin, then align the hole provided on the top face of the door frame and lower it down over the top hinge pin.
- Take the door handle from the plastic bag and screw it onto the door spindle by turning it clockwise.

If a timber or combustible mantleshelf exists above the fireplace insert opening, it should be a minimum distance of 500mm above the top of the Metro Built-In fascia.

If less than the above minimum specified, a deflector or heat shield will be required to be fitted under the mantle.

STAGE – 6 FITTING THE FLUE SYSTEM

It is recommended a "Metro ECO Built-In Flue System" be used with the installation of the Metro Mega Built-In. The Metro ECO Built-In Flue System incorporates Metros unique vertical discharge cowl which improves flue draft and performance of the Metro Mega Built-In wood fire.

ATTENTION

- **IMPORTANT NOTE TO THE INSTALLER –**
- A MINIMUM LENGTH OF 4.0 METRES OF 150MM DIAMETER FLUE PIPE IS REQUIRED. THE TOTAL LENGTH OF THE 150MM FLUE PIPE MUST BE FULLY ENCASED FROM TOP TO BOTTOM WITH A 200MM DIAMETER INNER CASING AND A 250MM DIAMETER OUTER CASING.

LTD Mega Built-In Model

OWNER'S OPERATION & WARRANTY MANUAL

**Refer to the other side of this manual for Metro installation details*

METRO

GADGET4829 LTDBUILTIN-08

WARNING

IMPORTANT MESSAGE TO THE OWNER

IF YOU DON'T READ THIS ENTIRE MANUAL, YOU MUST READ THIS FIRST Page!

Congratulations on your selection of a Metro wood fire. This slow combustion appliance is designed to give you many years of warmth and service, subject to three critical factors. These three factors, if not adhered to are the major causes of unsafe installation, poor performance and flue blockages and failure.

1. Your Metro wood fire must be installed correctly, by a competent and suitably qualified installer.
2. The only fuel to be used in this appliance shall be wood that meets the following criteria.
   - Less than 25% moisture,
   - Has not been treated with preservatives or impregnated with chemicals or glue,
   – Is not chipboard, particle board, or laminated board, and
   – Is not painted, stained or oiled
3. You must know how to correctly operate your Metro wood fire, particularly on extended burn cycles.

It is therefore very important you read this page carefully, and preferably this entire section, pages 1 to 7.

Please note the following important points:

- This manual is in two sections, with the installation section detailed at the rear of this booklet. Keep this instruction manual for future reference.
- In New Zealand a building consent is required from your local building authority; the homeowner is responsible for obtaining this consent.
- As correct installation is critical to the performance and safe operation of your Metro, it is recommended your Metro be installed by a registered installer or a person suitably qualified in the installation of wood fires. Your Metro retailer will be able to arrange professional installation for you.
- During the very first fire your Metro will give off an odour and fumes as the firebox paint cures. Do not be alarmed; open all windows and externally opening doors in that room and close any internally opening doors. This curing process will last for approximately one hour and will only happen this one time.
- For optimum performance fuel must be loaded so the logs lay "front to rear" in preference to laying across the width of the firebox. Spaces should be left between the logs to enable oxygen to get to as much of the surface of the fuel as possible.
- A small hot fire loaded frequently is more efficient than a large fire burning on a low setting.
- It is critical that the fire not be operated with faulty or missing door seals, faulty or missing promet extension (front white board on the baffle plate) cracked or broken door glass. These 3 areas require regular inspection/ maintenance and if not maintained will void the firebox warranty.
- A key feature of all LTD Metro's is their ability to burn at a very low rate. However, if not operated correctly this feature can cause many problems including flue blockages, and severe corrosion of the lower flue pipe and firebox flue spigot, neither of which are covered under warranty if they fail through improper use. It is therefore most important you read the "extended burning" section on page 3 of this manual.
- Your Metro is covered by a full twelve-month warranty, and a five-year firebox warranty. You can extend this firebox warranty to ten years if you purchase the optional extended firebox warranty as detailed on Page 7.
- Properly seasoned (dry) timber is necessary for the Metro to operate efficiently; firewood that contains a high moisture content will result in flue blockages and reduce the heat output.

Note: Softwood usually takes 12 months to season - Hardwood can take up to 24 months to season - Wood must be stored in a location that enables free air circulation. Wet wood stored in a closed woodshed without air circulation will still be wet 12 months later.

WARNING

- **ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED AS BREACHING AS/NZS 4013.**
- **DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINTY OF THIS APPLIANCE WHEN IT IS OPERATING.**
- **DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS TO START OR REKINDLE THE FIRE.**
- **NEVER OPERATE YOUR METRO WITH THE DOOR AJAR, EXCEPT ON INITIAL START UP.**
- **DO NOT STORE FUEL WITHIN THE METRO'S INSTALLATION CLEARANCES.**
- **DO NOT DRY CLOTHES ON OR NEAR THIS APPLIANCE**
- **OPEN THE AIR CONTROL BEFORE OPENING THE METRO'S DOOR**

CAUTION

- THIS APPLIANCE SHOULD BE MAINTAINED & OPERATED AT ALL TIMES IN ACCORDANCE WITH THIS INSTRUCTION MANUAL.
- DO NOT USE DRIFTWOOD, TREATED OR UNSEASONED (WET) FUEL, THE USE OF MOST TYPES OF PRESERVATIVE TREATED WOOD AS FUEL CAN BE HAZARDOUS.
- DO NOT EMPTY ASH INTO A COMBUSTIBLE CONTAINER.
- THIS APPLIANCE SHOULD NOT BE OPERATED WITH A CRACKED GLASS OR FAULTY/MISSING DOOR SEAL.

WHERE TO INSTALL A METRO IN YOUR HOME

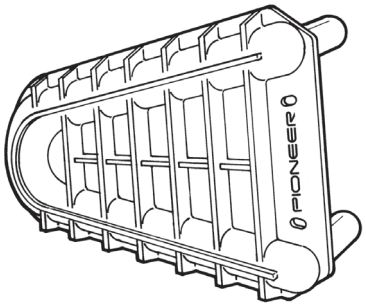
Wood fires are usually installed in the main living area, which is the section of the home that is usually kept the warmest, being the area in the home most frequently occupied. However, before deciding on the best location for your Metro wood fire you may wish to consider:

- Water heating. If you are intending to have a wetback it is important that the wood fire is as close as practically possible to the water storage cylinder.
- Split level homes are best heated when the wood fire is installed on the lower level, as the heated air will rise to the higher levels.
- Building construction is another consideration. Specified clearances from walls, curtains etc must be maintained and you need to ensure no structural beams or internal gutters etc are directly above your preferred site. If you have a two storey dwelling you need to consider the second storey to ensure you don't have the flue directly outside a second storey window.

Generally, you can install your Metro in your home anywhere that suits you; Pioneer offer various fan systems to transfer heat to sections of the home that are not heated sufficiently. It is necessary if using a fan system that the Metro you have purchased has sufficient output to heat the total area you wish to heat. Your Metro retailer or installer will be able to advise if you are uncertain.

OPTIONAL WETBACKS

Water heating is another key feature of your Metro wood fire, which can be fitted with the optional 3kW or 4kW wetback, which are designed to give maximum output with minimal effect on the operation of the fire. Only the Pioneer cast jacket wetback system as illustrated right should be fitted to your Metro; alternative wetbacks will void the Metro's emission approvals and may seriously affect the performance of the appliance and void its warranty.



Note: Wetbacks are not suitable for use in locations where the water supply has lime content. Lime build up inside the coil will eventually block the coil causing the wetback to fail.

Cost Savings

Wetbacks can enable substantial power savings, dependent on the climate in the area in which you live. If you live in a cold climate you are likely to use your Metro for many months of the year, in which case a Pioneer wetback will reduce or even eliminate your water heating costs over those months. If however you live in a warmer climate and use your Metro for only a few hours a day over the colder months, electricity savings will be considerably less.

3kW or 4kW

The 3kW wetback is usually adequate for most homes; however, if your hot water use is considerable the 4kW would be preferable. Other considerations are:

Distance from the Metro to the storage cylinder will affect the amount of hot water produced. If it is more than 2 metres away the 4kW is usually preferable.

Your climate and the manner in which you will "fire" your Metro are the most relevant factors in choosing the correct output wetback. If you are in a moderate climate or have a modern well-insulated home you are likely to be running your Metro on lower output settings, in which case the 4kW should be used. If however you live in a cold climate, or have an older, cold or large home you are more likely to be "firing" your Metro on a higher burn rate, in which case the 3kW would be better suited.

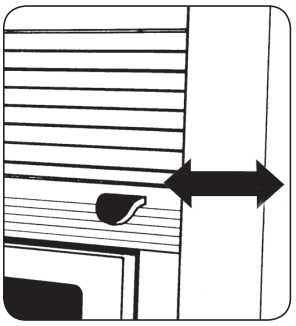
Water Pressure

A common misconception is that you must have a low-pressure system to have a wetback; this is not true. You must have a "vented" system and high-pressure cylinders are usually not vented. However you can install an "indirect" cylinder which contains a secondary coil inside the storage cylinder, enabling you to have a wetback while retaining a high-pressure system.

GETTING TO KNOW YOUR METRO

Operating your Metro wood fire is simple and you will quickly learn how to get the best from it. First take a minute to familiarise yourself with your new Metro:-

- Raise the door handle anticlockwise until the latch releases, then slowly pull the door open.
- There is a single air control making your Metro easy to adjust. This control moves from left to right, which is "low to high".



OPERATING YOUR METRO

If your Metro has only been installed within the past few days, the fire cement seal at the base of the flue will not be fully cured. To ensure the cement sets without blistering it is recommended you burn 2 to 3 sheets of loosely crumpled newspaper at a time, approximately once every hour over a 6 to 8 hour period. During the very first fire your Metro will give off an odour and fumes as the firebox paint cures. Do not be alarmed; open all windows and externally opening doors in that room and close any internally opening doors. This curing process will last for approximately one hour and will only happen this one time.

Start up

Place a quantity of loosely crumpled newspaper on the base of the firebox until it is approximately 50% full of paper, or place firelighters on the base of the firebox. Add dry kindling and move the air control knob fully to the right, being the "full open" position.

Light the paper at two or three locations across the front of the door opening and leave the door slightly ajar if necessary for a few minutes while the fire establishes. Once the kindling is burning well, open the door and add 2 or 3 small logs at a time until you have a well-established fire. Usually this will take approximately 30 minutes, during which time the air control should be set on "high" and the door should be closed, except for the initial few minutes and when fuel is being added.

Normal operation

Once the fire is well established, regulate the air control to achieve the desired burn rate and heat output. As you move the air control to the right, burn rate, firebox temperature and heat output will increase, if you move the control to the left they will decrease. Note:

- Always open the air control fully prior to opening the door, then open the door slowly.
- When loading logs, place them end-on, "front to back"; air spaces should be left between the logs to enable oxygen to get to as much of the surface of the fuel as possible.
- Every time you refuel, leave the air control on "high" for a minimum of 10 to 15 minutes.
- Never use the door to force wood into the firebox, as this is likely to break the glass.

Extended Burning

It is most important if your Metro is to be refuelled and turned down for a slow extended burn period, such as an overnight burn that you operate it correctly:

- The wood used as fuel for extended burning MUST BE FULLY SEASONED - DRY.
- Once the fuel is loaded, the Metro must be operated on high for a period of at least 10 minutes to drive out residual moisture from the fuel (dry wood is usually 20% water content).
- Do not turn the air control down lower than you need to, if you want the Metro to burn overnight, endeavour to obtain an 8 hour burn time, not 12 hours. It will take a few days to find the correct location of your Metro's air control setting to achieve the length of burn cycle you desire as this setting is affected by several variables including fuel density, flue length and outside wind velocity.

Note: If not operated correctly on extended burn cycles, your Metro is likely to incur flue blockages, corrosion of the upper baffle, lower flue pipe and firebox flue spigot. As these are not covered under warranty if thery fail through improper use, it is important you operate your Metro correctly.

CLEANING AND MAINTENANCE

Metro fascia

The front panelling of your Metro Mega Built-In will be coated with one of two coating systems, both can be cleaned with a damp cloth when the Metro is not operating. The two coating systems used on the Metro Built-In fascia are:-

- Vitreous enamel; this is a permanent coating designed to last the life of the appliance. As vitreous enamel is glass, if a solid or heavy object is dropped or banged against a panel it could chip the enamel.
- Silver high temperature aluminised paint.

Door glass

Providing your fuel is properly seasoned, under normal operating conditions the air-wash design of the Metro's firebox will keep the door glass clear. If the glass requires cleaning you may use either a razor blade scraper or an oven cleaner, or you may take a ball of crunched up newspaper, moisten it on one side and dab it in the ash from the firebox; all these work well.

If your door glass breaks it must be replaced with 5mm thick ceramic glass, as other types of glass, including tempered or toughened glass, will explode due to the intense heat inside the firebox.

Door seals

Over time, usually 3 to 5 years, the door and glass seals will become hard and cause air to leak into the firebox, reducing burn time; at this point they require replacing. Your Metro retailer stocks replacement woven fibreglass door and glass seals, and if required will fit these for you.

The door of your Metro is easily removed. Hold it in both hands and lift the hinge end of the door up and over the top hinge pin, then lower the door from the bottom hinge pin.

Side bricks

Hair-line cracks in the side bricks are not uncommon and are a result of the intense heat within the Metro's firebox, coupled with mechanical damage caused by accidental impact when fuel is being loaded. However if the side bricks become cracked to the extent that they start to break up, they must be replaced.

Door adjustment

Provision is available on both sides of the door to enable adjustment as the door seal compresses causing air to leak into the firebox.

To adjust the hinge end of the door, open the door fully, loosen the top hinge nut and slightly lift the latch end of the door; you will see the hinge assembly move back - 1 mm will usually be sufficient. Retighten, then repeat by loosening the lower hinge nut, this time applying a slight downwards pressure onto the door to move the lower hinge assembly back a similar distance, then retighten.

The door latch is also adjustable, as the latch pin on the right side of the firebox is fitted through a slot which enables the latch pin to be loosened, moved back and re-tightened.

Ash removal

Over a period of time ash will build up in the base of the Metro's firebox and require removal. The time this build-up takes depends on the density and cleanliness of your fuel, with hardwoods producing more ash than softwoods. To remove the excess ash your Metro should not be operating.

- Open the door, and using a hearth shovel or similar, empty the excess ash directly into a steel or non-combustible container.
- If the ash is not disposed of immediately, be careful where you store it, as the ash can retain heat for many days and become a fire hazard.
- You must leave a bed of ash in the base of the firebox approximately 10mm deep; this insulates the base of the firebox and improves combustion.

Top baffle

This is a 'sacrificial' part of the firebox and should be checked quarterly. Usually only the "Promet" (white board) front section needs to be replaced when it starts to disintergrate.

Note: Cracks in the promet are not uncommon and have no adverse effect on the operation of your Metro. These cracks are the result of intense heat coupled with expansion and contraction. Your Metro must not be operated with a faulty or missing top baffle.

To remove and replace your Metro's top baffle, proceed as follows: -

- Open the Metro's door fully, reach inside with the palm of your hand face up and extended, lift the top baffle approximately 20mm, then lift it forward out through the door opening placing it on a sheet of newspaper you have placed on the front of the hearth.
- To refit the top baffle. Proceed in the reverse order and note, the baffle must be fitted so its rear is touching the back of the firebox.

Flue systems

The fluepipe should be swept a minimum of once a year, or as required during the winter season. If smoke enters the room when you open the Metro's door this usually indicates the fluepipe is becoming restricted and needs cleaning. The frequency of fluepipe cleans depends on many factors, with the main variables being:

- The seasoning of the wood. If not properly seasoned you will require frequent fluepipe cleans.
- The density of the wood. Softwoods generally result in more creosote build-up in the fluepipe.

Pioneer Manufacturing Limited manufacture a telescopic fluebrush system which is available from your Metro retailer. To clean the fluepipe of your Metro, proceed as follows:-

- Open the Metro's door fully, reach inside with the palm of your hand face-up and extended, lift the top baffle approximately 20mm, then lift it forward out through the door opening, placing it on a sheet of newspaper you have placed on the front of the floor protector.
- Close the door and slide the air control left.
- Once on the roof, remove the cowl from the top of the flue system and sweep the fluepipe using a 150mm-diameter fluepipe brush as detailed in the instructions provided with the fluebrush.
- Once the fluepipe is clear, clean and refit the cowl. Remove the excess soot which has fallen into the firebox, leaving a layer of ash 10mm deep on the base of the firebox, then refit the top baffle. Note: the baffle must be fitted so its rear is touching the back of the firebox.

PROBLEM SOLVING

If your Metro has been correctly installed, your fuel is dry and you operate it correctly you will find it is a pleasure to use. Pioneer's many years of experience within the wood heating industry has shown that 95% of complaints and customer dissatisfaction are due to fuel, installation or operational problems. The following may be of assistance if you experience any of these symptoms:

Smoke enters the room when the Metros door is opened - This usually indicates the flue needs cleaning and if left, the smoking problem will get worse. To remedy; clean the flue, and to avoid the necessity of regular repeat cleans, ensure your fuel is properly seasoned. If however the Metro has always smoked into the room from the day it was installed, it is likely to be due to insufficient flue length or a faulty/unsealed flue system. To remedy contact your installer or Metro retailer.

Occasionally a puff of smoke comes into the room - This is most likely a result of two possible causes:

1. There is insufficient fluepipe height in relation to your roofline, trees or other high obstacles near your home, which is creating a downdraft. Usually a problem when the wind is coming from one particular direction and requires an experienced installer to remedy, by either extending your fluepipe height or fitting a directional "H" cowl/ECO Cowl.
2. If the Metro is refuelled but the air control is left on a low setting or the fuel is unseasoned, the fuel will smoulder filling the firebox with smoke and combustible gases. The fuel will eventually ignite and as it does so, the build up of gases causes a pressurisation forcing smoke into the room. To remedy, ensure your fuel is seasoned and you open the air control to full every time you refuel your Metro.

The Metro is noisy as it heats up and cools down - There will always be some expansion and contraction noise as the Metro heats and cools, however this can be usually reduced substantially by loosening the two support lugs fitted to the rear wall of the firebox.

METRO WARRANTY

Your Metro is covered by a full twelve-month warranty, and a five-year firebox warranty. You can extend this firebox warranty to ten years if you purchase the optional extended firebox warranty. The standard warranty is detailed below and the optional extended warranty is detailed on the reverse side of this Page.

Standard Metro Warranty (Consumer laws apply to this warranty)

Pioneer Manufacturing Limited warrants the steel firebox against defective materials and workmanship which would render it unfit for normal domestic use within a period of five years after date of original purchase. All other parts including cabinet, door, glass, baffles, trim, bricks and seals are warranted for a period of one year from date of original purchase for domestic use against defective materials and workmanship.

Warranty Conditions

- The heater must be installed, operated and maintained strictly in accordance with the building code and the manufacturer's installation and operation manual.
- This warranty covers the replacement or repair at the manufacturer's discretion but excludes freight and/or travel costs.
- The manufacturer or their agent are not liable for any loss or expense direct or indirect arising from the failure of any part or operation of the heater.
- It is critical that the fire not be operated with faulty or missing door seals, faulty or missing promet extension (front white board on the baffle plate) cracked or broken door glass. These 3 areas require regular inspection/ maintenance and if not maintained will void the firebox warranty.

A claim under this warranty should be directed to the retailer who supplied the Metro woodfire, or if this is not possible write direct to the manufacturer stating details of fault, serial number of your Metro, date purchased and name of retailer.

PIONEER MANUFACTURING LIMITED

P.O. Box 11, Inglewood
New Zealand
Phone 06-756 6520
Fax 06-756 6540
Email info@metrofires.co.nz
Website www.metrofires.co.nz

IMPORTANT: Complete and retain these details at time of purchase:

Purchase Date	
Serial Number	
Model	
Colour	
Retailer	

Optional Ten Year firebox warranty detailed on reverse side of this page

METRO 10 YEAR WARRANTY

Pioneer Manufacturing Ltd ("Pioneer") offers an extended firebox warranty of ten years from date of original purchase, being an additional five years beyond the standard firebox warranty offered by "Pioneer" with every Metro Woodfire.

Conditions of extended warranty
(local consumer laws apply to this warranty)

- The Metro woodfire must be installed in New Zealand.
- The Metro woodfire must be installed, operated and maintained strictly in accordance with the building code and the manufacturer's Installation and Operation manual.
- This warranty covers replacement or repair of the firebox at the manufacturer's discretion and includes all direct material, freight and labour costs.
- The firebox covered by this extended warranty is the 6mm steel firebox only and excludes baffles, bricks, air tubes, door glass and door components.
- "Pioneer" is not liable for any loss either direct or indirect arising from the failure of any part or operation of the Metro woodfire.
- This warranty is transferable if the Metro woodfire, or the home in which the Metro woodfire is installed, is sold.
- The Metro woodfire must be installed and used in a domestic application.

Registration of this extended warranty option is direct with "Pioneer" the manufacturer. To register, complete the section at the bottom of this Page and return it to "Pioneer" together with a cheque for $100.00 inclusive of GST. You will be sent confirmation that your extended warranty is registered on Pioneer's warranty data base together with a tax invoice and warranty registration number.

Extended Warranty Five-Year Service. It is recommended, but not a condition of this warranty, that a full service of the Metro woodfire be carried out at the end of the fifth winter season.

To register the 10-year warranty detach and complete the section below and post to Pioneer together with your cheque for $100.00

PIONEER MANUFACTURING LTD - EXTENDED WARRANTY CARD

Please print in BLOCK letters.

Metro Owner

Surname _____
First name _____
Address _____
_____
_____
Phone _____
Fax _____
Email _____

Metro Purchased

Model _____
Colour _____
Serial No. _____
Wetback _____
Purchase Date _____
Retailer _____

☐ **Payment by cheque for $100.00 attached**

Post to: Pioneer Manufacturing Limited, PO Box 11, Inglewood.