

The Wood Pellet Patio Heater
by: Wood Pellet Products P.O. Box 761 / Mt. Angel, Oregon 97362

Owner's manual
Lil' Timber PATIO HEATER

Model: WPPLT1.7LS Liquid Stainless

WARNING

Do not store or use gasoline or other flammable vapors and liquids, solid combustibles in the vicinity of this appliance. Keep a safe distance away from the heater as it is extremely hot during operation.

FOR OUTDOOR USE ONLY

This outdoor patio heater must be used for outdoors only in a well ventilated area and not be used in a vehicle or any enclosed building or area.



IMPORTANT

Your safety is very important, please read this manual thoroughly before you install, operate and maintain this heater. Retain this manual for future reference. If you have questions about assembly, operation, servicing or repair of this heater, please call us directly, we will gladly provide assistance as required.

Warning: For Outdoor Use Only!

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IMPORTANT WARNING

+ Warning: For your safety

Sharp contents, assemble with care. Wear gloves when assembling stove pipe

+ Warning: For your safety

Fuels used in gas, wood or oil-fired appliances and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. California Health & Safety Code Sec.25249.6

+ Warning: For your safety

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage from hazards of fire, explosion, burn, asphyxiation, carbon monoxide poisoning. Please be sure you understand all operating the instructions before operate or service this heater. Read this installation, operation and maintenance instructions thoroughly before installing or servicing this equipment.

+ Warning: For your safety

Follow the correct lighting and usage procedures. Handle metal parts with care to avoid injuries. Never allow children to operate this heater.

+ Warning: For your safety

Do not store or use gasoline or other flammable vapors and liquids, solid combustibles in the vicinity of this appliance.

+ Warning: For your safety

Maintain a safe distance away from the heater as it is extremely hot during operation.

Introduction

Thank you for choosing the Wood Pellet Patio Heater. Please take the time to read these instructions and follow each step carefully for safe operation. Retain this manual for future reference. If you have any question regarding these instructions or operation of this heater, please contact us directly for assistance.

1-877-347-2848

Specifications

Model No.....	WPPLT1.7LS
Type of Fuel.....	1/4" diameter by 1/2" long wood pellets
Input rating	41,000 BTU/HR
Overall Height.....	84 Inches
Reflector Diameter.....	20 Inches
Ignition System.....	manually light with a match and alcohol gel firelighter
Electrical connections	Non Required
Net Weight.....	68 IBS

Important Safety Precautions

To ensure safe use of your outdoor patio heater, you are requested to pay close attention to these essential safety requirements. This is a wood pellet, direct-vented heater, all of the combustion products leave the heater from the chimney/smokestack. Byproducts of combustion from this unit include carbon monoxide. Carbon monoxide is toxic. Carbon Monoxide can build up in a heated space and failure to provide adequate ventilation could result in death. Always be sure there is plenty of ventilation when the heater is in use. Always follow the advice about ventilation in these operating instructions.

FOR OUTDOOR USE ONLY.

DO NOT USE THIS UNIT IN A CLOSED SPACE.

Alert both children and elders to the hazard of high surface temperatures.

Care must be taken for the supervision of children in the vicinity of an operating or hot heater.

Your children and pets should be supervised when they are in area of heater.

This outdoor patio heater must be used for outdoors only in a well ventilated area and not be used in a vehicle or any enclosed building or space.

Always place the heater on a level stable surface.
Do not move or touch the heater while it is hot or burning.

Do not alter or modify the heater in any manner

Always keep at least a 36 " clearance from the stove to any combustible material.

Do not use the heater if the wind velocity is greater than 10 miles per hour.

Do not spray aerosols near the heater while in use.

Do not clean heater with combustible or corrosive cleaners. Use warm, soapy water.

Do not hang clothing or flammable materials either on or near heater

Allow 45 minutes for the heater to cool down after use before attempting to move your heater.

Do not operate a damaged heater.

Never use petroleum based flammable vapors or liquids in or near this heater.

Warning:

When the heater is to be operated in the presence of other people, the owner/purchaser is required to inform people unfamiliar with the operation of the patio heater of the instructions, and of the hazards involved of operation. If this heater is used in a commercial or rental installation, it is the responsibility of the purchaser to check with the local codes for properly acquainting users with the safety precautions and instructions.

Failure to comply with the precautions and instructions provided with this heater can result in death, serious bodily injury and property loss or damage from hazards of fire, explosion, burn, asphyxiation, or carbon monoxide poisoning. Be sure you understand all operation instructions before attempting to operate or service this heater.

1. Assembly

Note: Partial assembly has been done for you. Use this assembly as an example for the remaining parts. The assembly of this heater requires basic mechanical skills. Proper assembly is the responsibility of the purchaser. All service and repairs should be done by a qualified person.

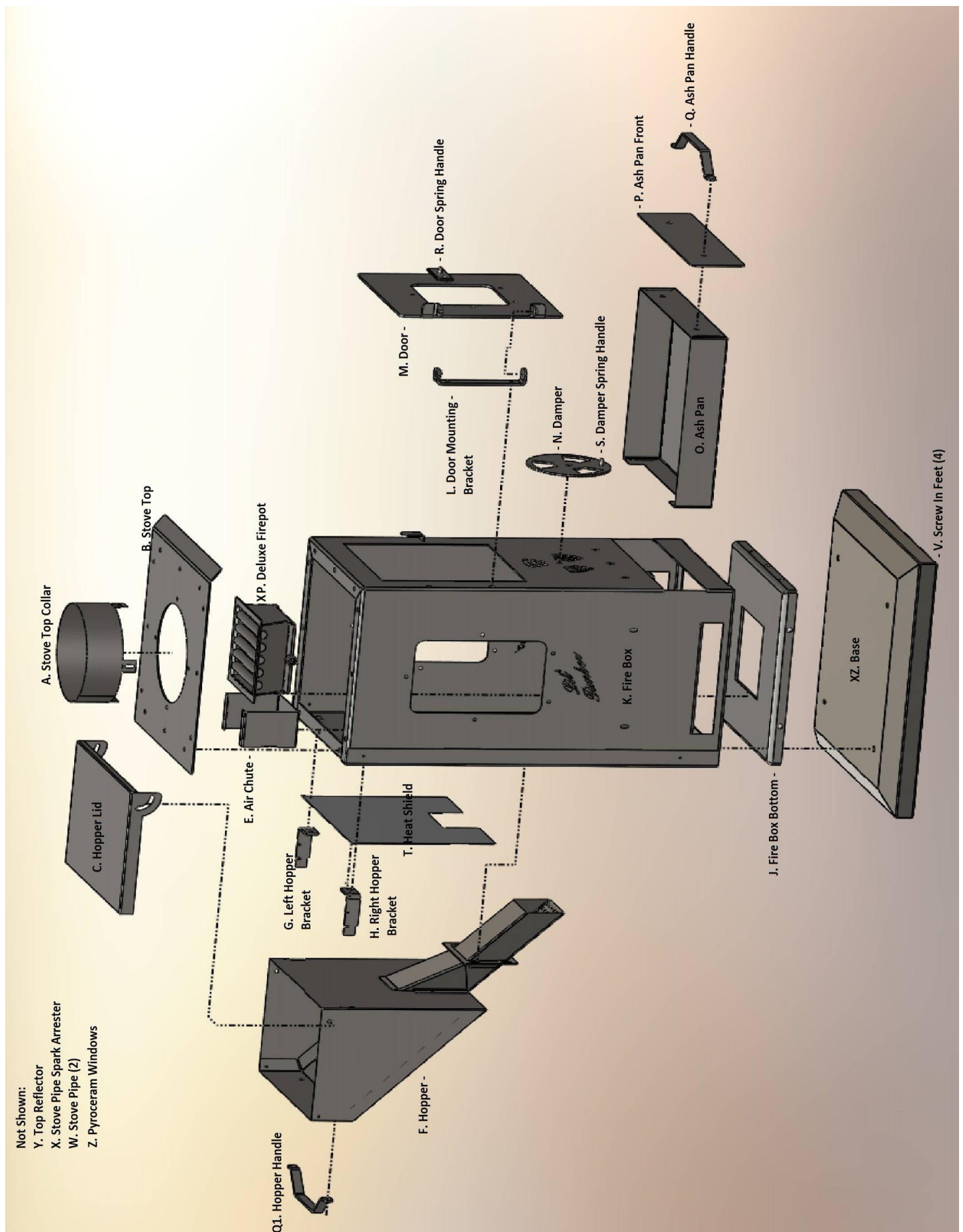
Tools required for assembly are:

Phillips Screwdriver / Drill with Philips bit.
Crescent Wrench

1.1 Unpacking

Carefully remove the all parts from the box. The paint on the heater is not fully cured until after you fire the unit on its initial firing, so use care when handling painted parts.

Find and identify the following parts:



Also included in the box is a hardware bag that contains:

1/4" x 1/2" bolts (for (M) Door to (L) Door mounting bracket)

1/4" nuts (for (V) screw in feet, for securing (Q) Ash pan handles and hopper handles (not pictured))

1/4" washer (for (V) screw in feet)

1/4" lock washers (for (Q) Ash Pan Handle and (Q1) Hopper Handle)

1/4" x 3/4" bolts for all handles

10/32" black rectangle retaining washers for securing glass to door.

10/32" bolts for mounting the (F) Hoppers to (K) Firebox. 10/32" retaining washers for (Z) Pyroceram Window to the (M) Door 10/32" bolts for securing (B) Stove top to (K) Firebox, for securing (A) Stove top collar to (B) Stove top, for securing (D) Heat Baffle to (K) Firebox, for securing (J) Firebox bottom to (K) Firebox, for securing (H) Right Hopper Bracket and (G) Left Hopper bracket to (K) Firebox, for securing (L) Door Mounting Brackets to (K) Firebox, for securing (E) Air Chutes to (K) Firebox

10/32" nuts/bolts for securing (Y) Top Reflector to (X) Stove Pipe Spark Arrestor.

One shutoff key

Spring Handles (4)

Lay out and identify all the heater parts.

1.2 Assembly Instructions

Step 2 Installing the Hopper Heat Shield. Install (T) Heat Shield by sliding heat shield in between the hopper and fire box so that the tabs are inserted into the slots of the hopper bracket. Insert from Top down.

Step 3 Installing the Fire Grate and the Fire Box bottom.. Install (J) Firebox Bottom in the (K) Firebox. The diagram shows the (J) Firebox bottom at the top of the Firebox, but it is installed through the ash pan opening and is bolted in place just above the ash pan. You will see three zerts in the front of the (J) Firebox Bottom. This side goes on the same side as the door opening in the front of the heater. The (J) Firebox Bottom is installed just underneath the Damper. The 1/2" flanges on the (J) Firebox Bottom face down.. Insert Firepot with slanted side towards rear.

For use above 3,000 feet in elevation be sure firebox bottom is setting at the lowest position on slots and under 3,000 ft in the highest position on slots.

If you have purchased the Deluxe Fire Pot-

Insert (XP) Firepot Bottom slides in from rear. Insert Firepot, Enter at slight angle push until flush. Attach Large spring handle to pull rod. Easiest to twist it on clockwise until you can see it just past the tight coils. Place large washer onto rod. Insert 1/2" Pull rod from rear and align with nut on firepot bottom. Turn clockwise until tight. Test and pull rod ensuring there is nothing objecting its clean pulling swipe. When pushed in fully the firepot bottom should stick out slightly from the firepot.

Step 4 Installing the Stove Top Collar onto the Stove Top. Slip (A) Stove Top Collar up from underside of (B) Stove Top so flanges match holes in Stove Top. Secure with four 10/32" bolts and nuts.

Step 5 Installing the Stove Top. Place (B) Stove Top on top of (K) Firebox with the beveled edge facing down on the front of the heater. Secure with twelve 10/32" bolts.

Step 6 Installing the Door Hinges and the Door. Place (L) Door Mounting Bracket over mounting holes to the left of the door opening on the (K) Firebox. The (L) Door Mounting Bracket has one end that has a zert in it. This end goes up. Secure with two 10/32" bolts. Mount the (M) Door onto the (L) Door Mounting Bracket using two 1/4" x 1/2" bolts.

Step 7 Installing the Door Glass. Place (Z) Pyroceram Windows between mounting bolts on the back side of the (M) Door and two sides. Place (5) 10/32 bolts into each hole for windows. (15) Total. Secure using five retaining washers. Banana shape retaining washers should face curve towards bolts. Simply push on retaining washers while holding glass and bolts at the same time. Push until holding glass firm to door.

Step 8 Assembling the Ash Pan. Place the (P) Ash Pan Front onto the (O) Ash Pan with the holes closer to the top up. Insert 1/4 X 3/4" bolts into (Q) Ash Pan Handle into the holes in the (P) Ash Pan Front and (O) Ash Pan and secure with 1/4" lock washers and 1/4" nuts on the inside. Slide the Ash Pan into the Firebox on the shelves that are approximately 2" up from the bottom of the Firebox. Ash pan Front is not universal. The Holes closer to the top side goes up.

Step 9 Attaching the Spark Arrestor to Top. Attach the (X) Stove Pipe Spark Arrestor (stove pipe piece with logo) to the (Y) Top Reflector using three 10/32" nuts and bolts. Bend tabs on (x) spark arrestor 90 degrees out. Position over holes and bolt together.

Step 10 Assembling Stove Pipe and Installing on Stove. Place (W) Stove Pipe on the ground (non abrasive surface like carpet or rug). Start on one end and gradually connect two sides of locking pipe. Work your way from top to bottom. Attach one (W) Stove Pipe to (A) Stove Top Collar with the **crimped end up**. Place second (W) Stove Pipe onto the first piece with the **crimped end up**. Push down until secure.

Step 11 Attaching the Top to the Stove Pipe. Place (X) Stove Pipe Spark Arrestor connected to the top reflector onto the top of the second (W) Stove Pipe section. Push down until secure.

Step 12 Attaching Hopper Handle. Using two 1/4" x 3/4" bolts Align handles with holes on sides of hopper and secure with two 1/4" lock washers and 1/4" nuts.

Step 13 Attach Stove Base- Attach (XZ) Stove base using four 1/4-20 x 1/2" bolts and lockwashers attach by inserting bolt into top holes on based and into pemmed holes on bottom of stove. May be easiest done laying down on soft surface. Careful to not scratch stove until it is fully cures. Attach Washers to feet/glides and turn clockwise on bottom four holes of base.

Shutoff - The stove is supplied with a hopper shutoff key and leather rope. Hang key from hopper handle. This shutoff key is installed under the hopper through a slot. Ensure the key sits level with the

ground when in place. If not pull up on the key until its level. Insert all the way until the keys edge makes contact with the hopper back.

2. Installation

This heater is intended to be used outdoors only! It should never be used in an enclosed area or a confined space.

2.1 Installation warning

The installation must conform with local, state and federal codes. In absence of such codes, install in accordance with the current American National Standard (ANSI) / National Fire Protection Association (NFPA) codes. Please check local EPA laws to conform with local regulations.

2.2 Minimum clearances

A minimum 36" clearance from this heater and all its parts to combustible materials must be maintained at all times while the heater is in operation.

2.3 This Heater is to be used on a flat level non-combustible surface only.
Install on flat level non-combustible surface (concrete, tile, stone, etc.).

3. Operation

3.1 Preparation before lighting

3.1.1 Check any possible shipping damage of the heater. If any is found, call us directly.

3.1.2 Please review thoroughly and be sure you understand all of the "safety precautions and warnings".

3.1.3 Make sure the fire grate is in its proper position with slots running from the front (Door) to the back of the heater.

3.1.4 Pour pellets in both hoppers.

3.1.5 Damper Control is both temperature control as well as combustion efficiency control. To reduce temperature of stove by 250 degrees open damper to see slots. To increase temperature by 250 degrees close damper fully seeing no slots. Opening damper will also clean up particulates (smoke) by increasing oxygen to fire. Closing damper will increase temperature.

INITIAL FIRING OF THE HEATER: On initial firing fill the hopper $\frac{3}{4}$ full about 7 lbs of pellets. This one time initial firing needs to be done to cure the paint on the unit. Open the damper on the heater and leave it open for the entire initial burn period. Having the damper closed on initial firing will result in very high temperatures and potentially damage your heater voiding your warranty. Fire the unit and let it burn through all of the pellets and then let the heater cool. You will now be free to use the unit according to the remainder of these directions. On your first firing, the high temperature paint on the unit will cure. When curing, the paint gives off smoke. This will happen for about the first 15 minutes of operation. Do not breath these fumes, they can make you sick.

3.1.5 Never attempt to relight a hot heater, always wait until the heater is cool.

3.2 Fill hopper completely with pellets.

3.3 Lighting

3.3.1 Open the door and squirt about two tablespoons of alcohol fire gel on the mound of wood pellets in the middle of the firebox. Pellets will have funneled down from the hopper chute. Do not use charcoal lighter to light the unit initially, it will raise the temperature too quickly, could affect the paint on the unit, and is a dangerous flammable liquids.

3.3.2 Light the alcohol fire gel with a match and close the door.

3.3.3. Open the (N) Damper below the door for the first ten minutes of a burn.

3.3.4 Standard burn time for the heater on one full hoppers (20lb) is about 2.5 hours. You can extend this burn time by adding pellets to the hoppers during the burn.

3.3.5 This stove is supplied with a slanted firepot to help burn hotter longer reducing the ash content while burning. Clean grate and slots by pulling the pull rod from the back of stove and pushing it back in. The rod should always be in fully closed position while in operation.

4. Storage

4.1 When you are finished using the Heater you should make sure that the fire is completely out. Allow at least 45 minutes for the heater to cool down before transporting.

4.2 Store the heater upright in a sheltered area away from inclement weather such as rain, snow and dust.

4.3 This unit is manufactured as an "Outdoor Unit" from steel. If you leave it in the weather it will accumulate rust. This is normal and can be treated by using touch up paint in spray cans available from Wood Pellet Products.

5. Maintenance

5.1 To obtain the best performance from your heater make sure you perform the following maintenance activities on a regular basis:

5.2 After a burn and once the heater is completely cooled, clean out any remaining ashes from on top of the fire grate and in the ash pan. Do not dump an ash pan with hot embers or pellets in it into a garbage can or any other combustible area. It will start a fire.

5.3 Keep exterior surfaces clean. Use warm soapy water for cleaning.

5.4 Never use flammable or corrosive cleaning agents on or near this Heater.

5.5 Airflow through dampers and out of the spark arrester must be unobstructed, clean regularly.

Caution:

Never burn stick wood or plastic or other combustibles in this heater. Burn only ¼" diameter wood pellets. Never spray any cleaning product on or into any of the doors, air intakes, or dampers.

6. Temperature Control:

Burning Standard Heating Stove Pellets this stove will reach 41k BTU'S. To maximize heat output Close the Damper Dial completely by turning it until all slots are no longer visual. To decrease temperature open damper to allow air to move through the unit and cool it down.

7. Service and warranty Information

To learn how to service and procure parts for worn out, defective or damaged components, please call us directly for assistance. Warning: Use our original equipment replaced parts only. Use of unauthorized parts or modification of parts will void warranty and create an unsafe condition.

8. Warranty Terms

Subject to the conditions set out below, this product is warranted to the original purchaser to be free from defects in workmanship and materials for 90 days from the date of purchase. This warranty does not include the paint and or finish on the heater.

8.1 Satisfactory proof of the purchase date must be furnished at the time of notification of the defect for any claim under the warranty to be enforceable.

8.2 This warranty covers all parts found defective in workmanship and / or materials during the warranty period and can be repaired or replaced at the discretion of the manufacture at no cost to the original purchaser.

8.3 This warranty will be void and accordingly no claim of any nature will be enforceable if the product has not been assembled, installed or operated according to the instructions, subjected to abuse, improperly treated, neglected, rusted by exposure to the elements, misused and / or if any repairs, maintenance, or service has been done by an unauthorized person.

8.4 Return must be properly packaged and freight prepaid to us.

8.5 Each of the manufacturer, distributor and retailer will not be liable for any incidental or consequential loss or damage arising from the installation or operation for the product and / or the failure of any part for any reason.

8.6 There are no other express or implied warranties, except for those stipulated herein. This warranty gives specific rights and the original purchaser may have additional rights and remedies in law.

8.7 This warranty does not cover commercial or rental use.

8.8 Rust and oxidation is a normally occurring process for any metal exposed to the elements and is expressly not covered under our warranty.

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