

FURNACE INSTALLATION INSTRUCTIONS Model No: MBHF2200W



4-in-1 Bathroom Heater Cooler , Exhaust Fan , Light

Dear customers,
Thank you for selecting Martec Bathroom Heater 4 in 1. Please read all instructions before commencing installation.
IMPORTANT: This unit must be installed to comply with the appropriate council regulations and the Australia and New Zealand wiring rules AS/NZS3000:2000 or latest edition thereof.
The main supply and interconnecting cables required for installation of this unit are not included

WARNING - INSTALLATION ONLY TO BE BY QUALIFIED PERSONS

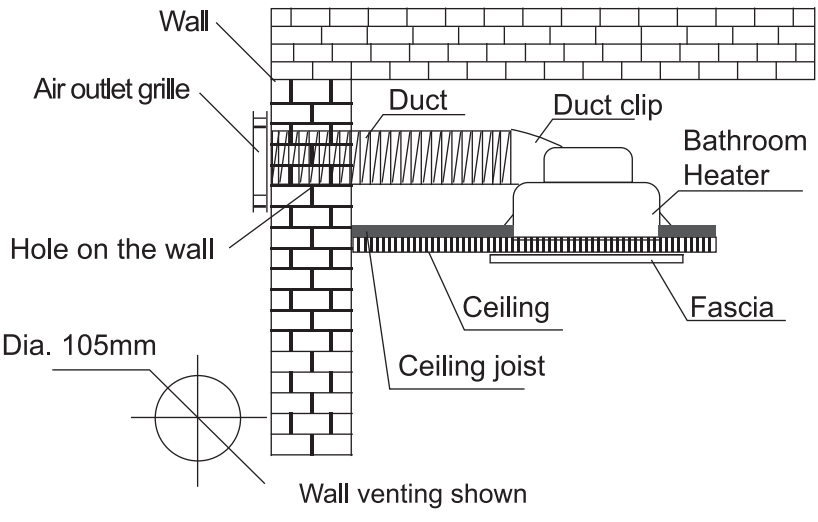
1. Use this heater only as described in this manual. The manufacturer does not recommend any other use as this may cause fire, electric shock, or injury to persons. If you have questions, contact the manufacture or local agent.
2. All wiring must be carried out by a Licensed Electrician n accordance with all applicable codes and standards
3. Make sure the power is off before the installation.
4. When cutting into the wall, do not damage electrical wiring and other hidden utilities.
- 5.The heater must be properly grounded.
- 6.Do not make contact with the warm air outlet while in operation to prevent high-temperature burns. Avoid inserting any objects into the outlet to prevent electric shock.
7. For the purpose of avoiding any dangerous gas leaking into your bathroom, the ventiduct of the heater must not be laid together with the ventiduct of air-fueled water heater or other open-fire appliances into the same flue.
8. The disconnection may be achieved by having the plug accessible or by incorporating a switch in the fixed wiring in accordance with the wiring rules. The heater must be isolated from the power by means of a plug or all-pole disconnection switch with a contact separation of at least 3mm in each pole.
9. The power cable must stand a minimum 10A load.
10. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
11. Children should be supervised to ensure that they do not play with the appliance.
12. The heater is to be installed so that switches and other controls cannot be touched by a person in the bath or shower.
13. The appliance shall, under no circumstances, be covered with insulating material or similar material.
14. Regulations concerning the discharge of air have to be fulfilled.
15. Joists, beams and rafters shall not be cut or notched to install the appliance.

IMPORTANT CONSIDERATIONS BEFORE INSTALLING

- A few minutes of planning can make a big difference to the installation time and also to your satisfaction with the function of the unit.
1. The unit should not be installed directly above a shower or bathtub.
 - 2.The unit must not be installed in a position where water may splash onto the unit.
 - 3.The unit must not be installed in the sauna steam room.
 - 4 The unit must not be installed beneath a fixed socket.
 5. The unit is designed for installation in flat ceilings only. Do not mount it on a sloping ceiling or a vertical wall.
 6. For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted must be able to enter the room. Generally, this air would be drawn under the door, or through a slightly open window. If the room is airtight, the fan will function poorly.
 7. Before commencing any cutting, check in the ceiling space that there are no obstructions such as ceiling joists and that there is sufficient height clearance for the housing. Check that the electrical wiring can be routed from the wall switches to the mounting location.
 - 8.Ensure the ceiling is strong enough to support the weight of at least 20 kg.

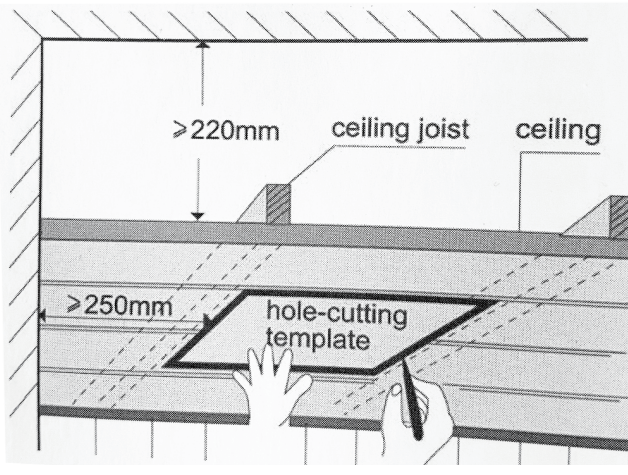
INSTALLATION

1. Cutting a vent
Locate a vent position (above the ceiling) on the wall, and then cut a 105mm diameter hole at this position.



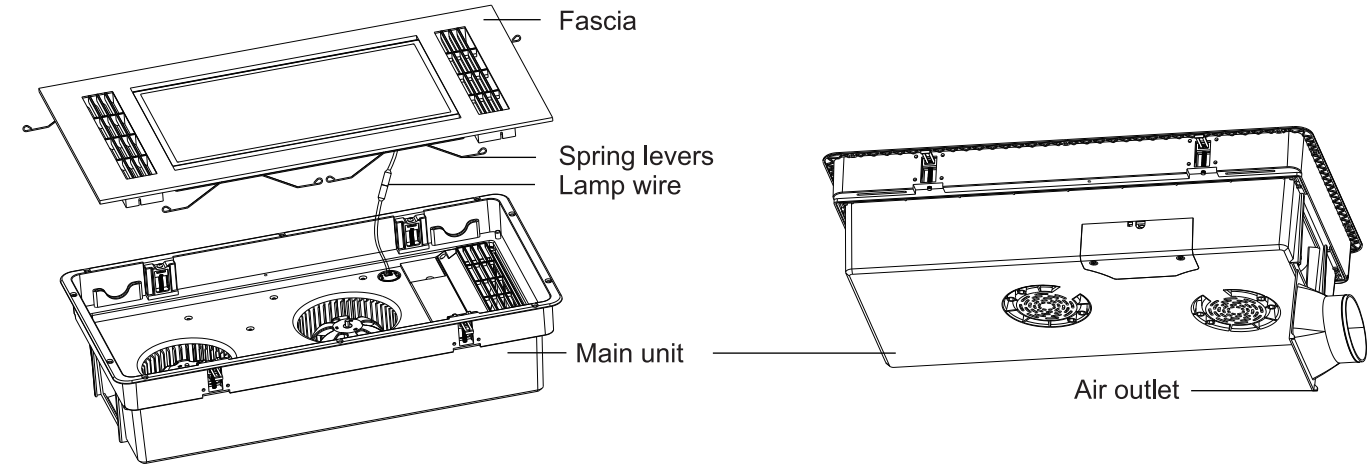
Note: Since the length of each duct is 1.5m, make sure that from the centre of installation position there should be a distance within 1.5m to the outside vent.

3. Locating the heater
For the purpose of obtaining best healing effect, from the fascia there should be a distance of about a 2.3mtr overall height to ground.

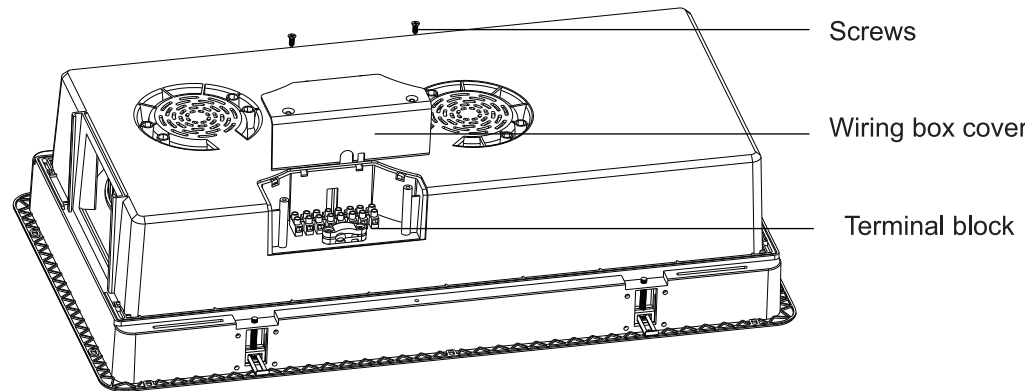


4. Prepare the ceiling
Cut around the included hole-cutting template and use this template to mark the hole outline on the ceiling.
Note the Hole Cut Out Size is 625mmx 330mm for this unit. Make sure a distance between the edges and wall is no less than 250mm.Also from the rooftop should be a minimum 220mm height to the ceiling.

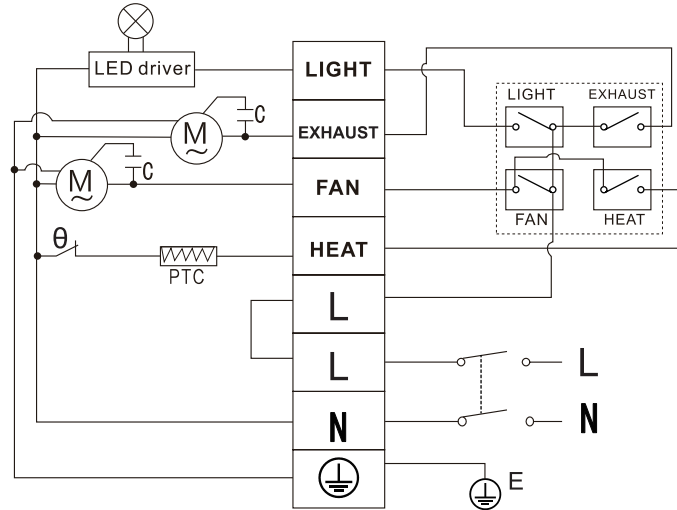
5. Remove the Fascia and Fixed air outlet
Remove fascia from the main unit with care by pressing the four spring levers attached to rear of fascia and disconnect lamp wire.Take out the air outlet in the packaging box, and insert it into the fixing slot of the air outlet on the side of the main unit from the bottom up, and ensure that the air outlet is installed properly.



6. ELECTRICAL WIRING
Remove wiring box cover to access terminal block.The bathroom heater unit must be wired through either a plug and socket or an all-pole disconnecting switch (SW 1) in accordance with Australian Wiring Rules AS/NZS3000.
Note: This unit is protected from overheating. When power to heater is switched on and sensedtemperature inside housing reaches 85 C , heating element stops running automatically. When temperature lower to 65 C , heater will start running again.



- Note:**
- a. Ensure that the power is turned off before carrying out any work on electrical installations.
 - b. Remove the terminal cover on the heater unit and wire accordingly to the label adjacent to the terminal block, Make sure all cables are securely connected and refit the terminal cover.
 - c. Clean the fascia and with a soft moist cloth. Turn on power and check the switch operation.



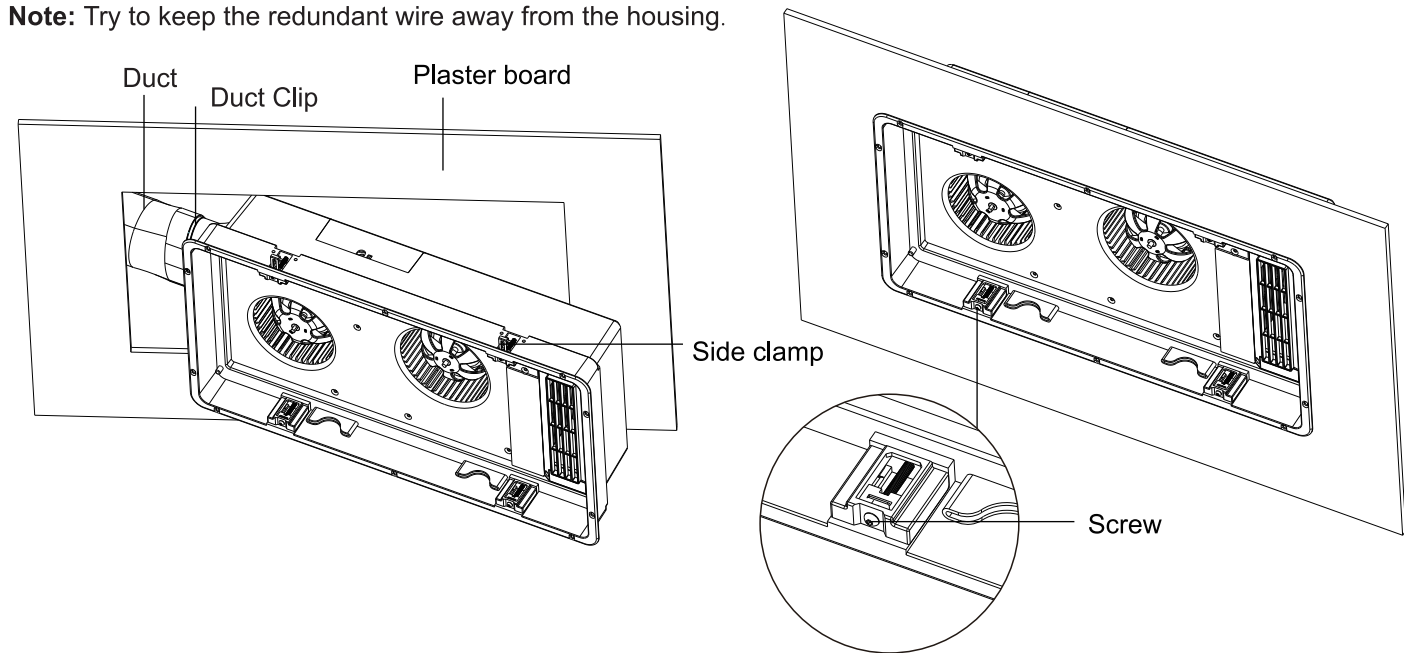
M:Motor C:Capacitor
θ:Heat protector

Terminal block
220-240V AC 50Hz

Light:18W LED
Heater:PTC 2200W
Fan:40W
Exhaust :40W

7. Connect the ducting
Locate and fit the duct to the ducting outlet, be sure to secure properly over the duct outlet. Use clamp supplied or zip tie to secure duct (tighten so that it will not come of during operation).

8. Position the housing into the hole
Insert heater into cut out hole at an angle ensuring ductconnection is intact and no cable or insulating material rest over or against the heater.Make sure side clamps are pulled inwards so that the rest of housing can pass through the hole without damaging plaster board.Ensure the unit is held securely in place by pushing side clamps outwards and tighten the four screws untillmain unit rests flush to the ceiling.
Note: Try to keep the redundant wire away from the housing.

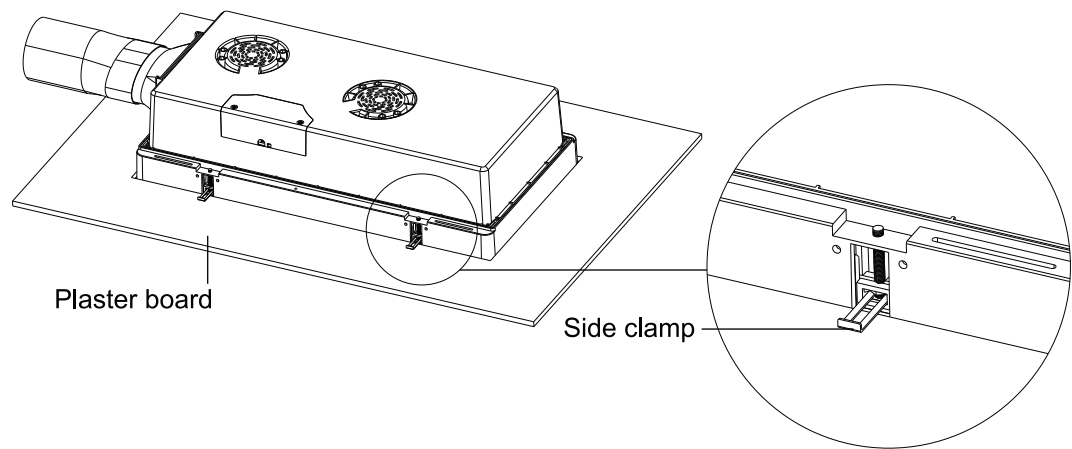


625.00 mm

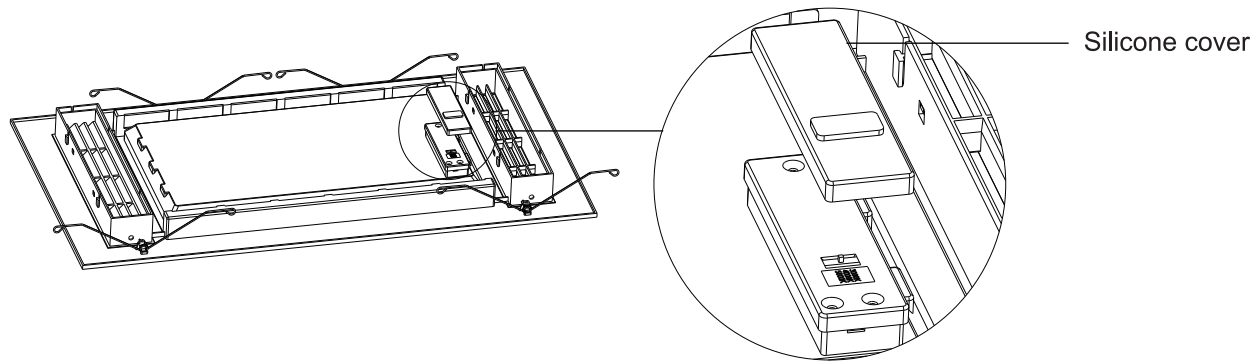
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Note:The Hole Cut Out Size is 625mm × 330mm for this unit.

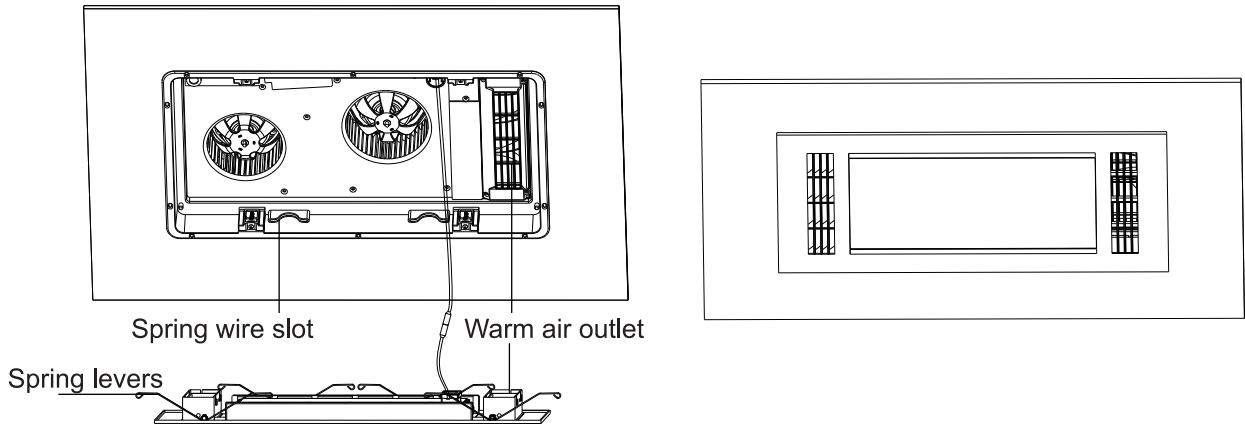
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9. Final installation
1) Remove the silicone cover on the switch, select a light colour(3000K /4000K/5000K) for LED panel by the sliding switch behind the panel,put the silicone cove back on theswitch in same way.



2)Replace the fascia
Connect LED light power connector with driver output connector.Re-install fascia to main unit by squeezing four safety spring levers together and slot them into the spring wire slot on main unit.
WARNING: warm air outlet must align with the special grill with heat-resistant materials.



2) Fix the switch panel to the wall
Note:
1. The switch wiring should be mounted inside the wall to give the switch an integrated built in appearance. If it is necessary to run the wiring on the outside of the wall, use a suitable conduit and fixings to properly located and hold the wiring used.
2. For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted must be able to enter the room. In general this air would be drawn from under the door, or through a slightly opened window.If the room is air-tight, the fan will function poorly.
3. Align fascia with main unit before pushing it in. Make sure the LED panel connector and cable are not pressed by other components. Place whole fascia securely with main unit.
4. Before first use, turn on heater and fan for at least 5 minutes to eliminate any lingering odour.

Note:
Our bathroom heater uses the PTC as a source of heat. It also combines the functions of fan- exhaust and light.
1. Heat
To turn on heating element - must turn on 'Fan' and 'Heat both switches. Only turning on 'Fan' will blow cool air down; only turning on 'Heat' will not have any action occurred.
Do not touch the warm air outlet of the fascia with any part of your body when in use.

2. FAN
Turn on/off 'FAN' button.
The heater blows cool air down by turning on the 'FAN' button.

3. Exhaust
Turn on/off 'Exhaust' button.
The heater can exhaust odour and steam in a quick and efficient way by turning on the 'Exhaust' button.
Note: No additional exhaust fan is necessary for the heater itself can exhaust all odour and steam as needed.

3. Lighting
Turn on/off 'LIGHT' button.
Note: Do not turn on/off the buttons frequently when in use. Shut off power if in long vacany.

MAINTENANCE

1. Clean
1) Shut off power before cleaning.
2) Wipe fascia with care using a soft cloth soaked with neutral detergent.
3) Do not use alcohol cleaner, or thinner or liquid that is corrosive to plastic for cleaning.
4) Motor and electrical connection parts should not be in contact with water.
Note: Ensure the fascia is cool to touch before handling.
2 Replacement Fascia
1 Check and connect lamp wire regularly
2 Shut off power before replacement
3 The integrated fascia assembly can not be replaced when operation lifetime of LED lamp is reached.
Note: it may affect operation (even cause danger) when lamps, other than the designated ones, are used.

WARRANTY

The unit is warranted against defects in manufacturing and workmanship for a period of 2 years. The warranty does not extend to lamp globes supplied or installation of the unit or any associated wiring or any damage caused by installation or wiring. The installation must be conducted by a licensed electrician and a suitable certificate of safety is to be issued by the electrician who installed the unit. Warranty claims will be voided unless a certificate of safety can be produced when required, prior to service or repair.
This warranty does not cover damages or loss caused by: Heat or light lamps.
1. Any consequential losses arising from incorrect installation or operation or maintenance of this product.
2. Any consequential losses arising from incorrect wiring of this product.
3. Any modifications or changes made to the unit, other than those recommended by the Manufacturer.

ACCC Required Statement

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to Marlee replacing the product in home with parts and labour for a major failure. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Martec offers an in home warranty that includes parts and labour so the end consumer is not out of pocket.

MAIN TECHNICAL PARAMETERS

Model Number	MBHF2200W
Rated Voltage	220V-240V
Rated Frequency	50Hz
Rated Total Power	2298W

LIST OF ACCESSORIES

Operation Unit	1 piece
Installation Instruction & Hole-cutting Template & Warranty Card	1 piece
Vent duct kit	1 set
Duct Clip	2 pieces
Switch	1 piece

Airflow:360m³/h
Airflow volume date is tested in accordance with the ISO standard.

Name: Contact No.:

Adress:

Fill out the following details and file with the purchase invioce for warranty service.

Model No.:MBHF2200W

Purchase from :

Date of Purchase :

/// MARTEC[®] PTY LTD ABN:82599302308

We reserve the rights to revise this instruction without any prior notice.
https://www.martecaustralia.com.au/wp-content/uploads/2023/05/Warranty-Statement_Cooling.pdf

Contact details for after sales service.

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