



TORRID MARINE

YACHT QUALITY

Since 1979

Marine Water Heaters Owner's Manual



www.torridmarine.com | 8895 Three Tree Lane NE, Suite 8, Bainbridge Island, WA 98110 | 800-722-5123





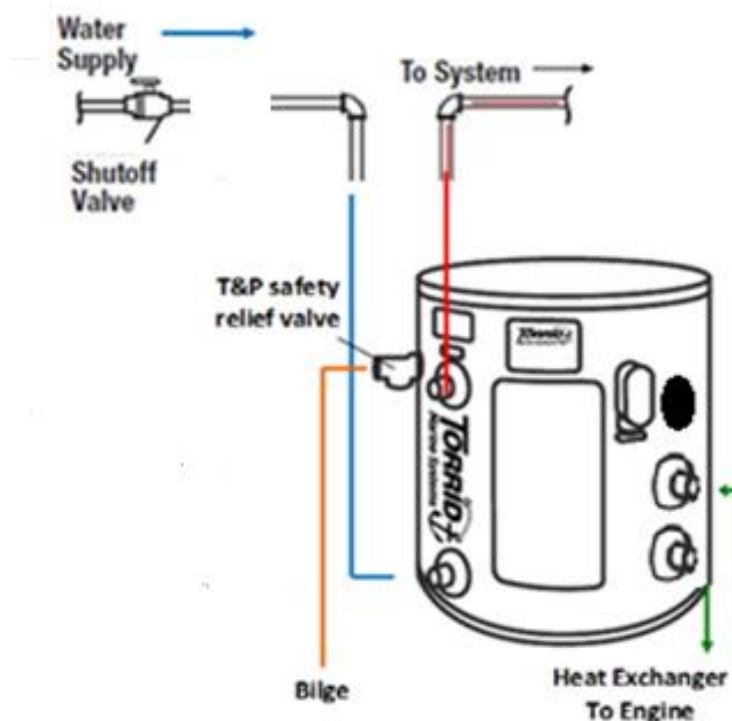
TORRID MARINE

YACHT QUALITY

Since 1979

Plumbing Configuration

Note: While Torrid Marine is always happy to offer advice, we highly recommend you choose a professional marine technician to install your new Torrid water heater.



***Important:** Do not plug, cap or in any way restrict the T&P (Temperature and Pressure) relief valve. Plumb with open drain line only. Water expands in the tank as it heats; if it does not have a place to expand, the pressure may rise, causing the T&P Valve to momentarily open.



TORRID MARINE

YACHT QUALITY

Since 1979

Installation Instructions

Listed below are the steps for correct installation of your Torrid water heater. **IMPORTANT:** Torrid recommends installation to be performed by experienced and qualified personnel only. Warranty does not cover damage to products during installation.

1. Bolt heater base in desired location, above or away from bilge water. Make sure to position it, so that the thermostat electrical access door and anode cap are accessible for routine maintenance. This is an electrical appliance and must be kept dry.
2. Make sure all water connections are made and fill tank. Open faucet connected to outlet to allow air in tank to escape and allow water to run clear in all lines. Note: do not rotate outlet fittings. This fitting is positioned so that the attached air-vent tubing end is at the top of the water storage tank; this helps eliminate trapped air. The black line on the outlet pipe nipple indicates the air vent position. This mark should always be on the top of this fitting.
3. The Heat Exchanger inlet and outlet are $\frac{3}{4}$ " NPT. These too should be plumbed by an experienced marine professional.
4. Connect power to heater with a 3-conductor cord making certain that the green ground wire is connected to the ground wire on the incoming power cord.
5. Furnish a 15-amp protected circuit for water heater power supply for standard 1500-watt, 120-volt elements. Note: for special wattage or voltage requirements (e.g. on custom heaters), circuit protection should be provided according to the requirements for that particular installation. For technical support, please contact 800-722-5123.
6. The thermostat is equipped with a high limit temperature electrical cutoff. This energy cutoff will operate if water temperature exceeds 200° Fahrenheit. If element fails to heat, check the fusing and wiring. To reset the high limit via the thermostat red reset button, please refer to the instructions shown in the maintenance section of this manual.
7. The pipe from the temperature and pressure relief valve should extend from below base of the water heater, to bilge, or overboard. Relief valve will operate at 210° Fahrenheit and/or pressure 100 PSI.
8. **IMPORTANT:** Drain water from heater if freezing of stored water is possible. Freezing can rupture connecting water lines and /or tank.
9. Do not install check valve between accumulator or pressure tank and water heater. The water will expand as it heats and must have a place to expand into. Check valves can cause the pressure relief valve to open.
10. When operating the water heater from shore power, a galvanic isolator is recommended to prevent electrolysis from affecting the tank. Please contact 800-722-5123 for technical support, if necessary. Also, please remember to send in your warranty registration card or register online to activate the warranty on this product.





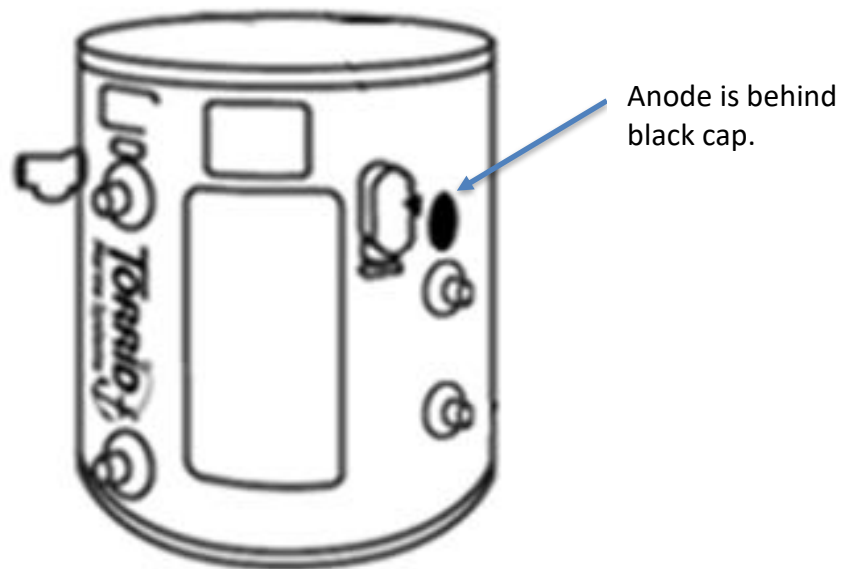
TORRID MARINE

YACHT QUALITY

Since 1979

Maintenance: How to Replace Anodes

All Torrid Marine water heaters feature an anode protection system, which offers protection from galvanic corrosion. These anodes should be inspected annually, or at least every two years, and replaced if necessary.



1. Drain the water from tank and shut off power to the unit.
2. Locate black plastic cover cap. This is on the front/Side of the unit. **See Image 1.1.**
3. Remove the black plastic cap. With a 1-1/16" socket, remove the anode by rotating counter clockwise. **See Image 1.2.**
*Caution: if it has been more than two years since the anode has been inspected you may be better off leaving the anode as is. The caps can "weld" themselves in place if they have not been routinely inspected.
4. Prepare the anode with PTFE enriched thread tape and install securely. Replace black cap. **See Image 1.3.**

Replacement anodes can be purchased at www.torridmarine.com.





TORRID MARINE

YACHT QUALITY

Since 1979

Maintenance: How to Replace Anodes



Image 1.1 Locate anode and remove plastic cover.



Image 1.2 Remove anode with 1-1/16" socket.



Image 1.3 Install new anode with PTEF tape or similar sealant.



TORRID MARINE

YACHT QUALITY

Since 1979

Maintenance: How to Reset High Limit Switch

The thermostat on Torrid Marine water heaters features a safety high limit electrical cutoff switch. This switch is to prevent the thermostat from over loading and causing the element to continue to operate beyond normal operating temperatures. If for any reason the thermostat is overloaded, for example if the heat exchanger heats the water beyond 200° Fahrenheit, the high limit switch may activate and may need to be reset.



Fig. 2.1 Remove the electrical access panel door.

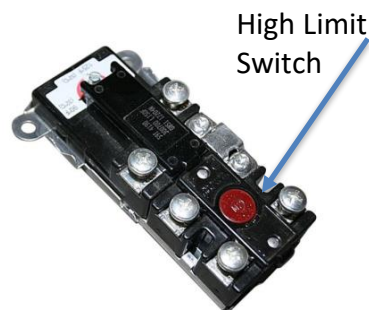


Fig. 2.2 Locate the reset button.

1. Turn off the electrical power for the unit at the breaker panel.
2. Remove the electrical access panel door. **See fig.2.1.**
3. Locate the red button to reset, located on the thermostat. **See fig. 2.2.**
4. Push the button, and replace the cover. You may not feel it resetting, this is common.
5. Restore power to the unit.
6. Test.

If the water heater is not operating after completing these steps, please consult your marine technician or call for technical support, 1-800-722-5123.



TORRID MARINE

YACHT QUALITY

Since 1979

Replacement Parts



Magnesium Anodes

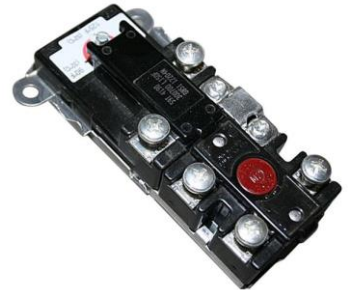


Incoloy Sheathed Stainless Steel Elements



T&P Relief Valve
100 psi 210 F

Adjustable Thermostat



All replacement parts are available online at www.torridmarine.com.

Anode Size Chart for IX Series

Vertical Format Water Heaters		Horizontal Format Water Heaters	
IX Model	Side Anode	IX Model	Side Anode
6 Gallon	TA12	6 Gallon	TA12
10 Gallon	TA12	10 Gallon	TA12
15 Gallon	TA12	17 Gallon	TA24
17 Gallon	TA12		
20 Gallon	TA12		
30 Gallon	TA12		
40 Gallon	TA18		

Anodes should be inspected and possibly replaced every year as part of routine maintenance. Every other year may be fine depending on circumstances. However, if you have never changed the anodes and it has been more than two years, it is recommended to leave them in place as the head of the anode may have "welded" itself in place and attempted removal risks damage.





TORRID MARINE

YACHT QUALITY

Since 1979

TORRID MARINE WATER HEATER 5-YEAR WARRANTY

General:

We hereby warrant to the original owner of the water heater to which this warranty applies that if the Torrid Marine water heater shall have been installed and operated in accordance with the printed instructions provided. We will reimburse on a prorated basis the cost to furnish a replacement for, or at our option, to repair any part or water heater which, within five years from date of original purchase, may fail in normal use and service at its original installation location, because of any defect in workmanship material, or design, subject to registration of the model, including serial number, at the time of purchase. The repaired or exchanged part of water heater will be warranted for only the unexpired portion of the original warranty. Replacement parts or water heaters will be made available at our Bainbridge Island, Washington, United States of America, factory. Torrid Marine shall not be responsible for any removal, shipment, or installation costs.

Limitation on Implied Warranties:

Implied warranties, including the warranty of merchantability imposed on the sale of this water heater under the laws of the state of sale are limited to the term of one year from the date of original installation.

Limitation on Liability:

This warranty may not be expanded by oral representations. The liability of the company in the event of leakage or other malfunction is strictly limited to the furnishing of a replacement part or water heater, as provided herein, and the Company is not responsible hereunder for incidental property damage or personal injury, interim loss of use of the heater, related equipment, inconvenience, or other consequential cost or damage.

Conditions and Exceptions:

This warranty may be enforced only if the water heater remains in its original place of installation. The Company will not be responsible for leakage or malfunctions arising from:

- a). Defective installation and specifically, any installation made contrary to the written instructions furnished with the unit.
- b). Misuse, and specifically operation or maintenance contrary to the written instructions furnished with the unit, removal of the magnesium anode, disconnection, alteration, or addition of non-approved components or apparatus, operation with power or at settings other than those set forth on the rating plate, or accidental or other exterior damage or abuse or misuse including freezing or wetting of the exterior.
- c). This warranty does not cover the production of noise, taste, odors, or discolored or rusty water.

How to Claim Under This Warranty:

If the owner has registered the marine water heater at time of purchase (<https://torridwaterheaters.com/warranty-1>), the owner upon discovering a defect should notify the Company in writing including the model and serial number of the unit, the date of purchase and installation and a description of the defect to: info@torridmarine.com. A legitimated copy of the purchase receipt must be provided. Including the above mentioned requirements. Upon receipt of this notice, the Company will determine whether to furnish a replacement part or water heater or to repair the defect and/or the value of the applicable prorated warranty. The Company reserves the right to verify defects by inspection. At the request of the Company, the owner will, at his or her expense, deliver the defective part or water heater to the factory.



www.torridmarine.com | 8895 Three Tree Lane NE, Suite 8, Bainbridge Island, WA 98110 | 800-722-5123

