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› TOP-HEATER RV Water Heater Element 1500W 120V (Model 02462-2) Instruction Manual

TOP-HEATER 02462-2

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Model: 02462-2 | Brand: TOP-HEATER

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1. INTRODUCTION

This manual provides detailed instructions for the safe and effective installation, operation, and maintenance of your TOP-HEATER 1500W 120V RV Water Heater Element, Model 02462-2. Please read all instructions carefully before proceeding with installation or use to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in electric shock, fire, property damage, or personal injury.

- Always disconnect power to the water heater at the circuit breaker before performing any installation, maintenance, or troubleshooting.
- Ensure the water supply to the water heater is turned off and the tank is drained to the appropriate level before removing or installing heating elements.
- Hot water can cause severe burns. Exercise extreme caution when draining the tank or handling components that have been exposed to hot water.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation and maintenance.
- This product operates at 120V and 1500W. Ensure your electrical system is compatible and properly grounded.
- If you are unsure about any step, consult a qualified electrician or plumber.

Your browser does not support the video tag.

Video: Water Heater Element Replacement Guide. This video demonstrates the general procedure for replacing a water heater element, highlighting key safety steps and installation techniques. Please refer to this manual for specific instructions for your TOP-HEATER element.

3. PRODUCT OVERVIEW

The TOP-HEATER 1500W 120V RV Water Heater Element (Model 02462-2) is designed for efficient water heating in recreational vehicles. It features a copper heater with nickel coating for enhanced corrosion resistance, high stability, good thermal conductivity, and fast heating. This element is UL certified, ensuring quality and safety.



Figure 3.1: Front and Back View. This image displays the front and back sides of the TOP-HEATER RV Water Heater Element, showing its U-shaped design and terminal connections.



Figure 3.2: Terminal Details. A close-up view of the element's terminals, showing the 120V 1500W rating and UL certification mark.

TOP-HEATER is a professional manufacturer with more than 30 years experience in the production of electric heating element. Most of our products have been certified by UL. We manufactured lots of heating elements to North American based on different customer requirements and earned a reputation for providing high-quality goods with high customer approval.

* UL APPROVAL SAFETY AND HIGH QUALITY

Regular replacing the heating element can improve the heating efficiency and save energy

OUR ADVANTAGES

- High-performance Alloy
- Fast heat conduction

Solving problems that occur with Water Heater Element:

- Will not heat, no hot water
- Slower Hot Water
- Higher Electric Bill

HR0602462

Figure 3.3: Nickel Plating. This image highlights the nickel-plated surface of the heating element, which provides corrosion resistance and extends product life.

4. COMPATIBILITY

This TOP-HEATER water heater element is designed to be compatible with various Atwood, Dometic, and Suburban models. Please verify your water heater's specifications before ordering to ensure proper fit.

Compatible Models:

- GCH6A-8E, GCH6-6E, GC6A-7E, G6A-6E, G6A-7E, G6A-8E, GCH6A-7E
- GCG6A-9E, GC6AA-7E, GC6AA-8E, GC6AA-9E
- GCH10A-2E, GCH10A-3E, GC10A-2E, GC10A-3E
- G6A-3E, GH6-4E, GCH6A-10E, GCH10A-4E
- SW10DEM, SW10DE, SW10DEL, SW10PE, SW10PER
- SW6DE, SW6DEL, SW6DEM, SW6PE, SW6PER
- SW12, SW16, XT Series, etc.

Note: Minimum tank diameter 10". This replacement element must match the voltage and wattage of the element being replaced and should not exceed the appliance's nameplate rating.

5. SETUP & INSTALLATION

Follow these steps carefully to replace your water heater element. Refer to the safety information before beginning.

5.1. Preparation

1. **Disconnect Power:** Locate your RV's main electrical panel and turn off the circuit breaker supplying power to the water heater. Verify power is off using a voltage tester.
2. **Turn Off Water Supply:** Close the water intake valve to the water heater.
3. **Drain Tank:** Attach a garden hose to the drain valve at the bottom of the water heater. Open the drain valve. If

replacing the upper element, drain half the tank. If replacing the lower element, fully drain the tank. Open a hot water faucet inside your RV to help release water from the tank. Once drained, close the drain valve.

4. **Access Element:** Use a Phillips head screwdriver to remove the mounting screw securing the access cover of the element you are replacing. Remove the cover. Move any insulation out of the way and remove the plastic cover protecting the element terminals.

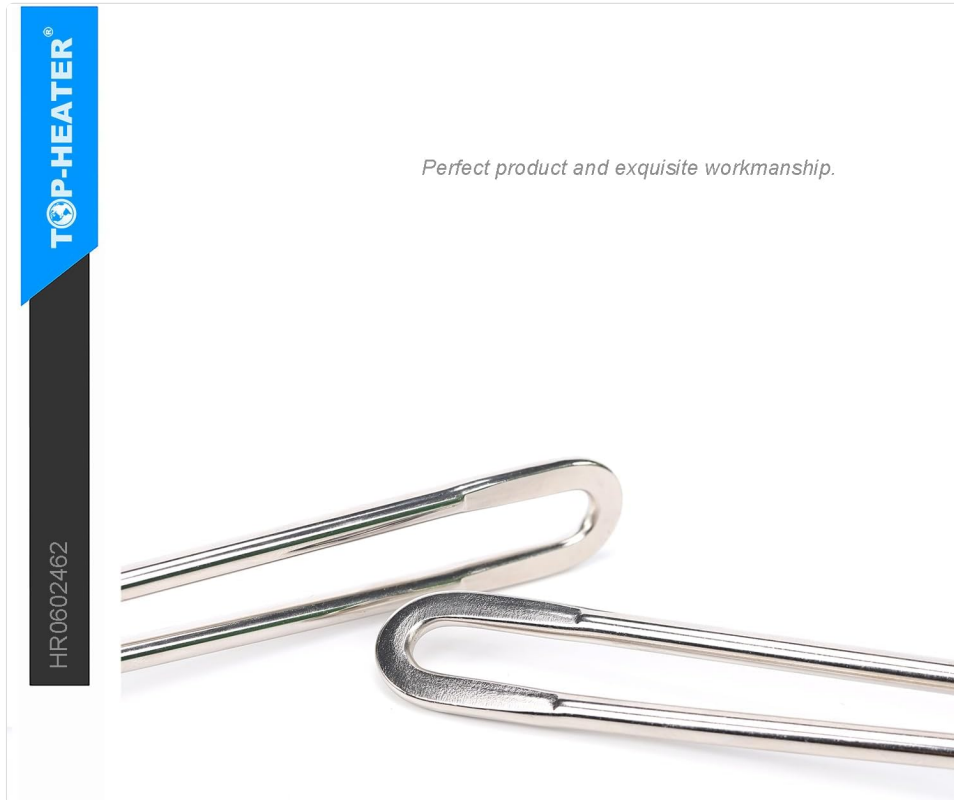


Figure 5.1: Element Access. This image shows the general location of a water heater element and the process of accessing it for replacement.

5.2. Removing the Old Element

5. **Disconnect Wires:** Note the orientation of the wires attached to the heating element terminals. Loosen the screws to detach the wires.
6. **Unthread Element:** Use a 1 1/2 inch socket or a specialized heating element wrench to unthread the old element by rotating it counter-clockwise. Carefully remove the old element from the tank.



Figure 5.2: Element Removal. Illustration of an old heating element being unthreaded from the water heater tank.

5.3. Installing the New Element

7. **Check Gasket:** Before installing the new heating element, confirm that the gasket is properly seated on the element.
8. **Insert and Tighten:** Carefully insert the new element into the tank opening. Hand-thread it clockwise until snug, then use the 1 1/2 inch socket or heating element wrench to tighten it securely. Do not overtighten.
9. **Connect Wires:** Attach the wires to the appropriate terminals on the new element, ensuring they match the original orientation. Tighten the screws to secure the connections.



Figure 5.3: New Element Installation. This image shows the new heating element being threaded into the water heater and the electrical connections being made.

5.4. Finalization

10. **Replace Covers:** Reposition the plastic cover over the terminals, then replace the insulation and the outer access cover. Secure the outer cover with its mounting screw.
11. **Refill Tank:** Open the water intake valve to allow the tank to refill completely. Close any open hot water faucets once water flows steadily. Check for leaks around the new element.
12. **Restore Power:** Once the tank is full and there are no leaks, restore power to the water heater at the circuit breaker.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your water heater element and the overall water heater system.

- **Annual Inspection:** Annually inspect the heating element for signs of corrosion, mineral buildup, or damage. Replace if necessary.
- **Flush Tank:** Periodically flush your water heater tank to remove sediment buildup, which can reduce efficiency and shorten element lifespan.
- **Check Anode Rod:** Inspect and replace the anode rod as recommended by your water heater manufacturer. A healthy anode rod protects the tank and elements from corrosion.
- **Electrical Connections:** Ensure all electrical connections remain tight and free from corrosion.

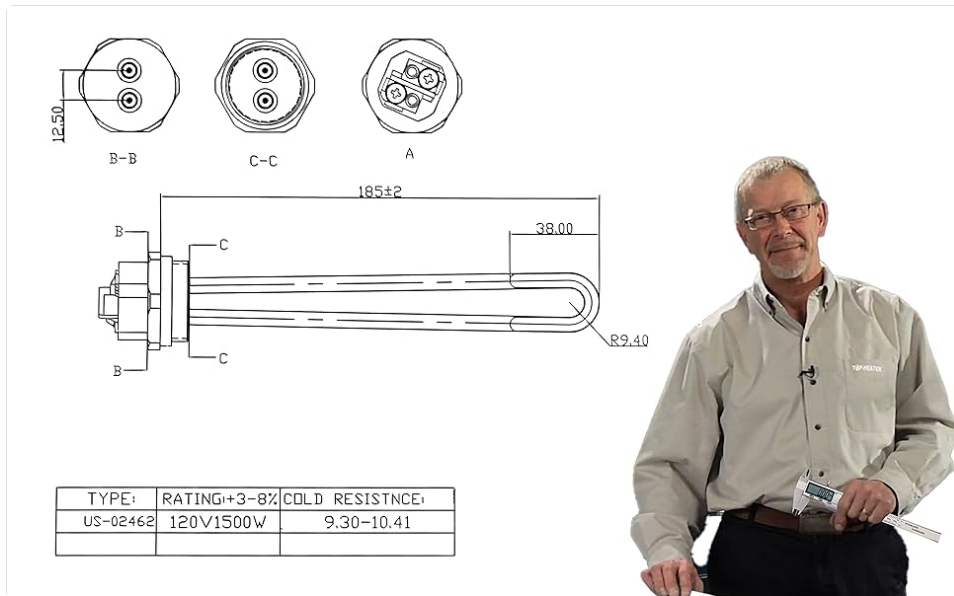


Figure 6.1: Maintenance Benefits. Regular replacement of the heating element can improve heating efficiency and save energy.

7. TROUBLESHOOTING

If you experience issues with your water heater after element replacement, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No hot water or water not heating	Power not restored to unit Loose electrical connections Thermostat issue Element failure (unlikely if new)	Check circuit breaker. Verify all wires are securely attached to terminals. Consult water heater manual for thermostat reset/check. If all else fails, test element continuity.
Slow hot water recovery	Sediment buildup in tank Incorrect element wattage	Flush the water heater tank. Ensure the new element matches the original wattage (1500W).
Water leak around element	Element not tightened sufficiently Damaged gasket	Tighten element slightly (do not overtighten). Drain tank, remove element, inspect/replace gasket.

For issues not covered here, please contact TOP-HEATER customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Detail
Brand	TOP-HEATER
Model Number	02462-2
Style	1500W 2Pack
Voltage	120 Volts
Wattage	1500 watts
Item Weight	13.6 ounces
Product Dimensions	1.57 x 1.57 x 8.07 inches
Material	Copper with Nickel Coating
Certifications	UL Certified

9. WARRANTY & SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact TOP-HEATER directly. Keep your proof of purchase for warranty claims.

For technical support or further assistance, please contact TOP-HEATER customer service through their official website or the contact information provided with your product.

