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› THERMOR 040159 Heating Element with Gasket for Water Heaters (Pre-1996 Models 150-200L)

Thermor 040159

THERMOR 040159 Heating Element with Gasket User Manual

For Thermor and Pacific Water Heaters (Pre-1996 Models 150-200L)

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the THERMOR 040159 Heating Element with Gasket. This component is designed as a replacement part for specific Thermor and Pacific water heaters, particularly models manufactured before 1996 with capacities of 150 to 200 liters. Please read this manual thoroughly before attempting any installation or maintenance.



Figure 1: Thermor heating element, model 040159, complete with its gasket. This component is designed for use in Thermor and Pacific water heaters.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- **Electrical Hazard:** Always disconnect power to the water heater at the main circuit breaker before beginning any installation, maintenance, or repair work. Failure to do so can result in severe electrical shock or death.
- **Hot Water Hazard:** Water inside the heater can be extremely hot. Allow the water to cool or drain the tank before working on the heating element to prevent burns.
- **Professional Installation:** Installation and replacement of heating elements should only be performed by a qualified technician or plumber. Improper installation can lead to leaks, electrical hazards, or damage to the water heater.
- **Use Correct Parts:** Ensure that all replacement parts, including the gasket and anode (if applicable), are compatible with your specific water heater model.
- **Read Water Heater Manual:** Refer to your water heater's original instruction manual for specific safety warnings and procedures related to your appliance.

3. PACKAGE CONTENTS

The package for the THERMOR 040159 typically includes:

- One (1) Heating Element (Corps de chauffe), Model 040159
- One (1) Gasket (Joint)

Note: This product is sold without the anode. If your water heater requires an anode, it must be purchased separately or transferred from the old heating element assembly if it is still in good condition.

4. SETUP AND INSTALLATION

This section provides general guidance for the installation of the heating element. Always consult a qualified professional for installation.

4.1 Compatibility Check

Verify that your water heater model is compatible with the THERMOR 040159 heating element. This element is compatible with various Thermor/Pacific models, including but not limited to: 65612013, 45612013, 45812039, 65812039, 45812040, 65812040, 65712047, 45712047, 65712048, 45712048, 65812042, 45812042, 65812043, 45812043, 271047, 281042, 55713021, 974005, 55813020, 974006, 241025, 251029, 254003, 264004, 274005, 254002, 264003, 274004, 284005, 241051, 251051, 271098, 281104, 871161, 871162.

4.2 Installation Steps (General)

1. **Power Off:** Turn off the electrical power to the water heater at the main circuit breaker.
2. **Drain Water Heater:** Shut off the cold water supply to the water heater. Connect a hose to the drain valve at the bottom of the tank and open it to drain the water. Open a hot water faucet in your home to allow air into the tank and facilitate draining.
3. **Access Element:** Once the tank is empty and cool, remove the access panel and insulation covering the old heating element.
4. **Disconnect Wiring:** Carefully disconnect the electrical wires from the old heating element terminals. Note their positions for re-connection.
5. **Remove Old Element:** Use an element wrench to unscrew and remove the old heating element. Be prepared for residual water.
6. **Clean Opening:** Clean the opening thoroughly, removing any debris or old gasket material.
7. **Install New Gasket and Element:** Place the new gasket onto the new heating element. Carefully insert the new heating element into the tank opening and tighten it securely with the element wrench. Do not overtighten.
8. **Reconnect Wiring:** Reconnect the electrical wires to the new heating element terminals as noted previously.
9. **Refill Tank:** Close the drain valve and remove the hose. Turn on the cold water supply to the water heater. Allow the tank to fill completely, bleeding air from a hot water faucet until water flows steadily.
10. **Check for Leaks:** Inspect the new element for any leaks. If leaks are present, tighten the element slightly more.
11. **Restore Power:** Once confident there are no leaks and all connections are secure, restore power to the water heater at the main circuit breaker.

5. OPERATING INSTRUCTIONS

The THERMOR 040159 is a heating element, a component of your water heater. Its operation is controlled by the water heater's thermostat and electrical system. Once properly installed and power is restored, the heating element will function automatically to heat the water in the tank according to the thermostat settings.

- Ensure the water heater's thermostat is set to your desired temperature.
- Allow sufficient time for the water to heat up after installation or power restoration.
- Monitor the water heater for any unusual noises, smells, or performance issues after replacement.

6. MAINTENANCE

Regular maintenance of your water heater, including its components, can extend its lifespan and ensure efficient operation.

- **Anode Rod Inspection/Replacement:** The anode rod (not included with this heating element) is crucial for protecting your water heater tank from corrosion. It should be inspected annually and replaced every 3-5 years, or more frequently in areas with hard water. Refer to your water heater's manual for specific anode rod replacement procedures.
- **Drain and Flush Tank:** Periodically drain and flush your water heater tank to remove sediment buildup, which can reduce efficiency and damage the heating element.
- **Inspect for Leaks:** Regularly check around the heating element and other connections for any signs of water leaks. Address any leaks immediately.
- **Electrical Connections:** During professional servicing, ensure electrical connections to the heating element are tight and free from corrosion.

7. TROUBLESHOOTING

If your water heater is not functioning correctly after replacing the heating element, consider the following common issues:

- **No Hot Water:**
 - Check if the circuit breaker for the water heater has tripped.
 - Verify that the thermostat is set correctly and functioning.
 - Ensure all electrical connections to the heating element are secure.
- **Insufficient Hot Water:**
 - The thermostat setting might be too low.
 - Sediment buildup in the tank can reduce heating efficiency (requires flushing).
 - If your water heater has two elements, one might not be functioning.
- **Water Leaks:**
 - Ensure the heating element is tightened correctly and the gasket is properly seated.
 - Inspect other connections on the water heater for leaks.
- **Burning Smell:**
 - Immediately disconnect power. This could indicate an electrical issue or overheating. Contact a

professional.

If troubleshooting steps do not resolve the issue, contact a qualified technician for assistance.

8. SPECIFICATIONS

Specification	Detail
Brand	Thermor
Model Number	040159
Article Model Number	3546330401591
Product Dimensions (L x W x H)	21 x 17 x 14 cm
Item Weight	1.8 Kilograms
Manufacturer	Thermor
ASIN	B013UCKRGG
Date First Available	August 13, 2015
Discontinued by Manufacturer	No
Spare Parts Availability	Information unavailable on spare parts

9. WARRANTY INFORMATION

All items sold benefit from the legal guarantee of conformity and a guarantee against hidden defects, as per applicable consumer protection laws. This warranty covers manufacturing defects and material flaws under normal use. For specific details regarding the duration and terms of these guarantees, please refer to your purchase documentation or contact your retailer.

This warranty does not cover damage resulting from improper installation, misuse, neglect, accident, alteration, or unauthorized repair.

10. SUPPORT

For technical assistance, warranty claims, or further information regarding the THERMOR 040159 heating element, please contact your retailer or a qualified plumbing and heating professional.

When contacting support, please have the following information ready:

- Product Model Number: 040159
- Date of Purchase
- Description of the issue

