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## Etna IGN2002300R Igniter and Gasket Replacement Kit Instruction Manual

Model: IGN2002300R | Replaces: RW2002300

### 1. PRODUCT OVERVIEW

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The Etna IGN2002300R Igniter and Gasket Replacement Kit is designed as a direct, high-quality replacement for the RW2002300 hot surface igniter. This kit includes the igniter and a new gasket, ensuring a proper seal and reliable ignition for compatible heating systems, typically found in pool and spa heaters.

#### Key Features:

- Hot surface igniter with included gasket.
- Direct replacement for RW2002300.
- Identical to the OEM RW2002300 in form and function.
- Factory test fired for quality assurance.



**Figure 1:** The Etna IGN2002300R hot surface igniter with its ceramic base, electrical wires, and red spade connectors, alongside a white gasket sealed in a clear plastic bag.

## 2. IMPORTANT SAFETY INFORMATION

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Read all instructions carefully before installation. Failure to follow these instructions could result in property damage, personal injury, or death. Always prioritize safety.

- **Electrical Hazard:** Always disconnect power to the appliance before attempting any installation,

maintenance, or service.

- **Fragile Component:** The igniter element is extremely fragile. Handle the igniter with extreme care, holding it only by its ceramic base. **Never touch the igniter element directly.**
- **Professional Installation Recommended:** If you are unsure about any step, consult a qualified service technician.
- **Wear Protective Gear:** Use appropriate personal protective equipment, such as gloves and eye protection, during installation.
- **Verify Compatibility:** Ensure this replacement kit (IGN2002300R) is compatible with your specific appliance model before proceeding with installation.

### 3. SETUP AND INSTALLATION

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This section outlines the general procedure for replacing a hot surface igniter and gasket. Specific steps may vary depending on your appliance model. Refer to your appliance's service manual for detailed instructions.

1. **Disconnect Power:** Turn off all electrical power to the appliance at the main circuit breaker or fuse box. Verify power is off using a voltage tester.
2. **Access Igniter:** Locate and carefully open the access panel to the combustion chamber or igniter assembly on your appliance.
3. **Disconnect Wiring:** Carefully disconnect the electrical wires from the old igniter. Note the orientation of the wires if necessary.
4. **Remove Old Igniter and Gasket:** Unscrew or unmount the old igniter from its position. Remove the old gasket.
5. **Inspect Area:** Clean any debris or residue from the igniter mounting area.
6. **Install New Gasket:** Place the new gasket (provided in the kit) into position. Ensure it is seated correctly to create a proper seal.
7. **Install New Igniter:** Carefully handle the new Etna IGN2002300R igniter by its ceramic base. Mount the new igniter into position, ensuring it is securely fastened. Do not overtighten.
8. **Connect Wiring:** Connect the electrical wires to the new igniter's spade connectors. Ensure connections are secure.
9. **Close Access Panel:** Securely close the access panel.
10. **Restore Power:** Restore electrical power to the appliance.

### 4. OPERATING INSTRUCTIONS (POST-INSTALLATION CHECK)

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After successful installation of the Etna IGN2002300R igniter and gasket, perform the following checks to ensure proper operation of your appliance:

1. **Initiate Heating Cycle:** Turn on your appliance and set it to initiate a heating cycle.
2. **Observe Ignition:** Listen and observe for the igniter to glow and then for the main burner to ignite smoothly. This should happen within a few seconds of the igniter glowing.
3. **Check for Proper Flame:** Once ignited, observe the main burner flame. It should be stable and consistent.
4. **Monitor for Leaks:** For gas appliances, check for any gas leaks around the newly installed gasket area using a leak detection solution (soapy water).
5. **Verify Appliance Function:** Allow the appliance to complete a full heating cycle to ensure it operates as expected.

If the appliance does not ignite, or if you observe any unusual behavior, immediately shut off power and refer to the Troubleshooting section or consult a qualified technician.

## 5. MAINTENANCE

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The Etna IGN2002300R igniter is a durable component, but periodic inspection can help ensure its longevity and reliable performance.

- **Annual Inspection:** It is recommended to have your appliance, including the igniter, inspected annually by a qualified service technician.
- **Visual Check:** During routine appliance maintenance (with power disconnected), visually inspect the igniter element for any signs of cracking, damage, or excessive carbon buildup.
- **Gasket Integrity:** Check the gasket for signs of wear, cracking, or deterioration. A compromised gasket can lead to leaks or inefficient operation.
- **Cleaning:** Do not attempt to clean the igniter element. If it appears excessively dirty or damaged, replacement is typically the only solution.

## 6. TROUBLESHOOTING

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If your appliance is not igniting or experiencing issues after igniter replacement, consider the following common troubleshooting steps:

- **No Glow from Igniter:**
  - Ensure power is supplied to the appliance.
  - Check all electrical connections to the igniter for looseness or corrosion.
  - Verify the igniter is correctly seated and not damaged.
  - Consult your appliance's wiring diagram to ensure correct electrical flow.
- **Igniter Glows but No Ignition:**
  - Check for proper gas supply to the appliance.
  - Ensure the igniter is positioned correctly to ignite the main burner.
  - Inspect the main burner for blockages or dirt.
  - The igniter may be weak; even if it glows, it might not be hot enough to ignite the gas. This indicates a potential need for replacement.
- **Intermittent Ignition:**
  - Could indicate a weak igniter, fluctuating gas pressure, or issues with the flame sensor (if applicable).
  - Check for loose wiring connections.
- **Gas Leak Smell:**
  - Immediately shut off the gas supply and electrical power to the appliance.
  - Evacuate the area and contact a qualified gas technician or your gas provider. Do not attempt to operate the appliance.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified service technician for further diagnosis and repair.

## 7. SPECIFICATIONS

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Feature	Detail
<b>Model Number</b>	IGN2002300R
<b>Replaces OEM Part</b>	RW2002300
<b>Product Type</b>	Hot Surface Igniter with Gasket
<b>Brand</b>	Etna
<b>Product Dimensions</b>	3.5 x 2.5 x 1 inches
<b>Item Weight</b>	6.1 ounces
<b>Manufacturer</b>	ETNA