

Bayou Classic AL10

Bayou Classic AL10 Burner Head Instruction Manual

Model: AL10

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Bayou Classic AL10 High Pressure Cast Aluminum Burner Head. This burner is designed as a replacement or upgrade for propane stoves and outdoor cooking appliances, offering consistent and high BTU output. Please read it thoroughly before setup, operation, or maintenance.

2. SAFETY INFORMATION

Always follow these safety guidelines to prevent injury or damage to property:

- Ensure proper ventilation when operating propane appliances. Use outdoors only.
- Keep flammable materials at a safe distance from the burner during operation.
- Do not operate the burner if any part is damaged or if you detect a gas leak.
- Inspect all gas connections for leaks using a soapy water solution before each use.
- Allow the burner to cool completely before handling or storing.

Proposition 65 Warning: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. COMPONENTS AND FEATURES

The Bayou Classic AL10 High Pressure Cast Aluminum Burner Head is a durable and efficient component for your outdoor cooking setup. Key features include:

- **No-Rust Cast Aluminum Construction:** Ensures longevity and resistance to corrosion.
- **High Pressure/High BTU Output:** Provides powerful and consistent heat for various cooking needs.
- **Light Weight, Smooth Finish:** Easy to handle and maintain.
- **Dimensions:** Approximately 4-inch burner diameter with a 9-inch overall length.



Figure 3.1: Overview of the Bayou Classic AL10 Burner Head, showing the main cast aluminum body, the venturi tube, and included small parts like a spring and washer for installation.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the AL10 burner head:

1. **Preparation:** Ensure your propane stove or outdoor cooking appliance is turned off and disconnected from the propane tank. Allow any hot components to cool completely.
2. **Remove Old Burner (if applicable):** Carefully detach the existing burner from the stove frame and gas line. Note how it was connected for reference.
3. **Install New Burner:** Insert the venturi tube of the AL10 burner into the gas orifice of your appliance. Secure the burner head to the stove frame using appropriate fasteners (not included, typically from original stove). Ensure a snug fit to prevent gas leaks.
4. **Connect Gas Line:** Reconnect the gas regulator hose to the propane tank.
5. **Leak Test:** Before lighting, perform a leak test. Apply a soapy water solution to all gas connections. Bubbles indicate

a leak. Tighten connections or replace seals as necessary until no bubbles appear. Do not proceed if a leak is detected.

5. OPERATING INSTRUCTIONS

To operate your Bayou Classic AL10 burner:

1. **Ensure Proper Ventilation:** Always use the burner in a well-ventilated outdoor area, away from any enclosed spaces or combustible materials.
2. **Open Propane Tank Valve:** Slowly open the valve on your propane tank.
3. **Ignite Burner:** Use a long lighter or match to ignite the burner. Turn the control knob on your appliance slowly to the "ON" or "LIGHT" position. The burner should ignite with a blue flame.
4. **Adjust Flame:** Adjust the control knob to achieve the desired flame intensity. A healthy flame should be predominantly blue with minimal yellow tips, indicating efficient combustion.
5. **Shut Down:** When finished, turn the control knob to the "OFF" position, then close the valve on the propane tank. Allow the burner to cool before handling or storing.



Figure 5.1: The Bayou Classic AL10 Burner Head in operation, demonstrating a strong, consistent blue flame, which is characteristic of proper air-fuel mixture and efficient burning.

6. MAINTENANCE AND CARE

Regular maintenance ensures optimal performance and longevity of your burner:

- **Cleaning:** Inspect the burner head and venturi tube periodically for rust, residue, and insect nests. Use a wire brush or compressed air to clear any obstructions. Pay special attention to the venturi opening, as insects (especially spiders) can build nests that obstruct gas flow.
- **Seasonal Inspection:** At the onset of each outdoor cooking season, thoroughly inspect the burner and all associated gas components for any signs of wear, damage, or blockages.
- **Storage:** For long-term storage, it is recommended to cover the burner with a plastic bag to protect it from insects and debris buildup. Store in a dry, protected area away from extreme temperatures.

7. TROUBLESHOOTING

Common issues and their solutions:

Problem	Possible Cause	Solution
Weak or Yellow Flame	Clogged burner or venturi; low gas pressure; incorrect air mixture.	Clean burner and venturi thoroughly. Check propane tank level. Ensure proper connection to regulator and that the regulator is functioning correctly.
Burner Not Lighting	No gas flow from tank; clogged orifice; faulty igniter (if applicable to your stove).	Check if propane tank valve is fully open. Clear any obstructions in the orifice. Use a manual long lighter or match to ignite.
Gas Leak Smell	Loose connections; damaged hose or regulator.	Immediately turn off gas at the tank. Perform a leak test with soapy water on all connections. Tighten connections or replace faulty parts. Do not operate if leak persists.

8. SPECIFICATIONS

- **Model:** AL10
- **Material:** Cast Aluminum
- **Burner Diameter:** Approximately 4 inches
- **Overall Length:** Approximately 9 inches
- **Item Package Dimensions (L x W x H):** 9.21 x 3.86 x 3.82 inches
- **Item Weight:** 14.08 ounces
- **Type:** High Pressure / High BTU
- **Color:** Natural

9. WARRANTY INFORMATION

The Bayou Classic AL10 Burner Head comes with a manufacturer's warranty. For specific details regarding the warranty coverage, terms, and duration, please refer to the documentation included with your original purchase or contact Bayou Classic customer support. The general warranty description is listed as "Warranty" in the product specifications.

10. CUSTOMER SUPPORT

For further assistance, replacement parts, or technical support regarding your Bayou Classic AL10 Burner Head, please contact Bayou Classic customer service. You can also visit the official Bayou Classic website or their store on Amazon for more information and resources.

Manufacturer: Bayou Classic Store

Brand: Bayou Classic

Online Store: [Bayou Classic Store on Amazon](#)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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