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AMECA 894

Pleasant Hearth & Residential Retreat Wood Stove 5/8" Door Rope Gasket Instruction Manual

Model: 894 | Brand: AMECA

Product Overview

This instruction manual provides guidance for the installation and maintenance of the AMECA 5/8" Door Rope Gasket Kit, designed as a replacement for Pleasant Hearth and Residential Retreat wood stove and fireplace models. The kit includes a 5/8" round by 6' length fiberglass rope gasket and high-temperature silicone sealant, replacing factory part number 75-21-143.



Figure 1: The AMECA 5/8" Door Rope Gasket Kit, showing the coiled fiberglass rope gasket and a tube of high-temperature black silicone sealant with an applicator tip.

Compatible Models

This 5/8" door rope gasket kit is compatible with the following Pleasant Hearth and Residential Retreat wood stove and fireplace models:

Pleasant Hearth Models:

- GWS-1800-B
- HWS-227202
- LWS-127201
- LWS-127201-B
- LWS-127201-BCA
- LWS-130291
- LWS-130291-B
- LWS-130291-BCA
- LWS-2200

- MWS-1800
- PH1800WS
- PH2200WS
- WS-2720
- WS-2720-B
- WS-3029
- WSL-1800

Residential Retreat Models:

- DWS-330293
- RWS-430294

Installation Instructions

Proper installation of the door rope gasket is crucial for the efficient and safe operation of your wood stove. Follow these steps carefully:

1. **Preparation:** Ensure the wood stove is completely cool before beginning. Open the stove door and remove the old gasket. Use a scraper or wire brush to thoroughly clean the gasket channel around the door. Remove as much old adhesive and debris as possible to ensure a clean surface for the new sealant.
2. **Apply Sealant:** Apply a continuous bead of the included high-temperature silicone sealant into the clean gasket channel. Ensure an even application along the entire channel.
3. **Install Gasket:** Carefully press the new 5/8" fiberglass rope gasket into the sealant-filled channel. Begin at one corner and work your way around the door. *Do not bunch or stretch the gasket*during installation; maintain its natural density and fit. Ensure the gasket sits firmly and evenly in the channel.
4. **Secure Ends:** When you reach the starting point, cut the gasket to the appropriate length, ensuring the ends meet cleanly without overlap or gaps. Press the ends firmly into the sealant.
5. **Curing Time:** Close the stove door gently, ensuring the gasket makes full contact with the stove body. Allow the sealant to set up for a minimum of **1 hour** before operating the stove. For best results, allow 24 hours for full cure before high-temperature operation.

Note: *For visual guidance, refer to general installation videos available online for wood stove door gasket replacement. While this kit does not include a specific video, many resources demonstrate the process.*

Operating Considerations After Gasket Replacement

After replacing the door rope gasket, proper operation of your wood stove is essential to maintain the integrity of the new seal and ensure efficient heating.

- **Initial Curing Burn:** After the sealant has cured for at least 24 hours, perform a low-temperature burn for the first few hours of operation. This allows any remaining moisture in the sealant to evaporate slowly and helps the gasket fully seat. Avoid high temperatures during this initial period.
- **Door Latch Adjustment:** Check the door latch mechanism. The new gasket should create a tight seal when the door is closed. If the door feels too loose or too tight, adjust the latch as per your stove's manufacturer instructions to achieve a snug, airtight fit.
- **Air Control:** A properly sealed door is critical for controlling the airflow into your stove. Ensure that the primary and secondary air controls are functioning correctly to regulate combustion and prevent over-firing or excessive smoke.
- **Regular Inspection:** Periodically inspect the gasket for signs of wear, hardening, or damage. A compromised gasket

can lead to inefficient burning and potential safety hazards.

Maintenance

Regular maintenance of your wood stove door gasket will extend its lifespan and ensure optimal performance of your stove.

- **Annual Inspection:** Inspect the gasket annually, or more frequently if the stove is used heavily. Look for fraying, hardening, cracking, or areas where the gasket has become compressed and lost its sealing ability.
- **Cleanliness:** Keep the gasket and the gasket channel clean from creosote buildup and ash. Use a soft brush or cloth to gently wipe away any debris. Avoid using harsh chemicals that could degrade the gasket material.
- **Replacement:** Replace the gasket when it shows significant signs of wear or if you notice air leaks around the door during stove operation. A simple test for air leaks is to close a piece of paper in the door; if it pulls out easily, the gasket may need replacement.

Troubleshooting Common Issues

If you experience issues after replacing your door gasket, consider the following:

- **Smoke Leaking from Door:** This indicates an improper seal. Check if the gasket is seated correctly in the channel, if there are any gaps, or if the door latch needs adjustment. Ensure the sealant had sufficient time to cure.
- **Gasket Not Sticking:** Ensure the channel was thoroughly cleaned of old adhesive and debris before applying new sealant. The surface must be dry and free of grease.
- **Gasket Too Loose/Tight:** This might be due to incorrect gasket diameter (though this kit is 5/8" as specified) or improper installation (bunching/stretching). Re-evaluate the installation process. Adjusting the door latch can also help achieve the correct compression.
- **Short Gasket Lifespan:** Excessive heat, improper installation, or frequent slamming of the door can reduce gasket life. Ensure proper stove operation and gentle handling of the door.

Product Specifications

Attribute	Detail
Product Type	Wood Stove Door Rope Gasket Kit
Gasket Diameter	5/8 inches (1.59 cm)
Gasket Length	6 feet (1.83 meters)
Material	Fiberglass Rope
Sealant Type	High Temperature Silicone Sealant
Temperature Resistance	Up to 2000°F (1093°C)
Replaces Part Number	75-21-143
Manufacturer	AMECA
Model Number	894
ASIN	B0F1N7RLJH

Support and Contact Information

For any questions regarding product compatibility, installation, or troubleshooting, please contact the manufacturer or seller. Providing your stove model number and the part number (75-21-143) will assist in a quicker resolution.

Note: This product is a replacement part and does not typically come with a separate manufacturer's warranty beyond standard retail return policies. Please refer to your purchase documentation for return and exchange details.

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