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› Vermont Castings 1308625A Combustion Throat Instruction Manual

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PRODUCT OVERVIEW

This document provides instructions for the installation and maintenance of the Vermont Castings 1308625A Combustion Throat. This component is a replacement part designed for specific Vermont Castings wood stove models to ensure proper combustion and efficiency.



Image: The Vermont Castings 1308625A Combustion Throat. This is a black, cast metal component, approximately 14 inches long, featuring a flat, rectangular main body with a textured surface. A thinner, rounded rod extends along one long edge, forming an integral part of the throat hood structure. The component is designed to fit within the combustion chamber of compatible wood stoves.

SPECIFICATIONS

- **Part Number:** 1308625A (also known as 130-8625, 130-1145, 1301145)
- **Dimensions:** 14 inches (Length) x 4 inches (Width). Overall length with pins is 17-7/8 inches.
- **Material:** Metal (Cast Iron)
- **Color:** Black
- **Item Weight:** Approximately 2.59 Kilograms
- **UPC:** 652174909544

COMPATIBILITY

The 1308625A Combustion Throat is compatible with the following Vermont Castings wood stove models:

- Defiant Encore 2190

- Encore 2550

Important Note:

If your existing throat hood measures over 14 inches in length, this 1308625A throat is still the correct replacement. However, it is likely that a new lower fireback (part number 1308646A) will also be required to ensure proper fitment within your stove.

INSTALLATION

1. **Safety First:** Ensure your wood stove is completely cool and disconnected from any power source (if applicable) before beginning installation. Wear appropriate safety gear, such as gloves.
2. **Access the Combustion Chamber:** Open the stove door and locate the existing combustion throat.
3. **Remove Old Component:** Carefully remove the old combustion throat. Note its orientation and how it was secured. It may be warped or brittle due to heat exposure.
4. **Inspect Fireback:** Examine the lower fireback for any damage or warping. If your old throat hood was longer than 14 inches, or if the fireback shows signs of wear that would prevent the new throat from seating correctly, consider replacing the lower fireback (part number 1308646A) at this time.
5. **Install New Throat:** Position the new 1308625A Combustion Throat into the designated slot within the combustion chamber. Ensure the pins align correctly and the component sits securely. It should fit without excessive force.
6. **Verify Fitment:** Once installed, gently check that the throat is stable and does not wobble. Close the stove door and ensure it latches properly without obstruction.

OPERATION

The combustion throat is an internal component that facilitates efficient burning within your wood stove. Once correctly installed, it operates passively as part of the stove's combustion system. No user interaction is required for its operation.

MAINTENANCE

Regular inspection of the combustion throat is recommended as part of your routine wood stove maintenance. Over time, high temperatures can cause warping or degradation of cast iron components. Inspect the throat for:

- Significant warping or bowing.
- Cracks or breaks in the metal.
- Loose fitment within its designated slot.

If any of these conditions are observed, replacement of the combustion throat may be necessary to maintain optimal stove performance and safety.

TROUBLESHOOTING

If the new combustion throat does not fit correctly:

- **Check Compatibility:** Double-check that your stove model is listed as compatible with the 1308625A part.
- **Inspect Lower Fireback:** As noted in the compatibility section, if your original throat was longer than

14 inches, or if the lower fireback (part 1308646A) is warped or damaged, it may prevent proper seating of the new throat. Consider replacing the lower fireback.

- **Obstructions:** Ensure there are no debris or remnants from the old part obstructing the installation area.
- **Orientation:** Verify that the throat is being installed in the correct orientation.