

[Manuals.plus](#) /

› [ROEDE](#) /

› ROEDE 15-73598 HVAC Heater Air Blend Door Actuator Instruction Manual

ROEDE ROEDE321

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Model: ROEDE321

1. PRODUCT OVERVIEW

The ROEDE 15-73598 HVAC Heater Air Blend Door Actuator is a replacement component designed to control the blend of hot and cold air within your vehicle's heating, ventilation, and air conditioning (HVAC) system. This actuator ensures proper temperature regulation inside the cabin by adjusting the blend door position.



Image 1.1: Front view of the ROEDE 15-73598 HVAC Heater Air Blend Door Actuator.

1.1 Compatible Vehicle Models

This actuator is compatible with various vehicle models and years. Please verify compatibility with your specific vehicle before installation.

- 2004-2007 for Buick Rainier
- 2003-2009 for Chevrolet Trailblazer
- 2003-2006 for Chevrolet Trailblazer EXT
- 2003-2009 for GMC Envoy
- 2003-2006 for GMC Envoy XL
- 2004-2005 for GMC Envoy XUV
- 2003-2008 for Isuzu Ascender
- 2003-2004 for Oldsmobile Bravada
- 2005-2009 for Saab 9-7x

2. INSTALLATION INSTRUCTIONS

Installation of an HVAC blend door actuator typically requires automotive knowledge and specialized tools. It is highly recommended that installation be performed by a qualified professional to ensure proper function and avoid damage to the vehicle's HVAC system.

2.1 General Installation Steps (Professional Installation Recommended)

1. **Safety First:** Disconnect the vehicle's battery to prevent electrical shorts or injury.
2. **Access the Actuator:** Locate the blend door actuator. Its position varies by vehicle model and may require removal of dashboard components, glove box, or other interior trim. Refer to your vehicle's specific service manual for exact location and access procedures.
3. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old actuator.
4. **Remove Old Actuator:** Unscrew or unclip the mounting fasteners securing the old actuator. Gently remove the actuator from its position, ensuring not to damage the blend door linkage.
5. **Install New Actuator:** Align the new ROEDE 15-73598 actuator with the blend door shaft and mounting points. Ensure the blend door is in the correct position before attaching the actuator. Secure the new actuator with the mounting fasteners.
6. **Reconnect Electrical Connector:** Firmly attach the electrical connector to the new actuator.
7. **Reassemble Components:** Reinstall any dashboard components, trim, or glove box removed during the access phase.
8. **Reconnect Battery:** Reconnect the vehicle's battery.
9. **Test Functionality:** Start the vehicle and test the HVAC system. Adjust the temperature settings to ensure the blend door actuator is functioning correctly and air temperature changes as expected.



Image 2.1: Back view of the actuator showing the electrical connector and mounting points.

3. OPERATING THE ACTUATOR

The ROEDE 15-73598 HVAC Heater Air Blend Door Actuator operates automatically in response to your vehicle's climate control settings. It does not require manual operation.

- When you adjust the temperature dial or buttons in your vehicle, the climate control module sends a signal to the actuator.
- The actuator then rotates the blend door within the HVAC housing to mix the appropriate amount of hot and cold air, delivering the desired temperature to the cabin.
- Ensure your vehicle's climate control system is functioning correctly for optimal actuator performance.

4. MAINTENANCE

The ROEDE 15-73598 HVAC Heater Air Blend Door Actuator is a sealed unit and does not require routine user maintenance. If the unit fails, it typically needs to be replaced.

4.1 General HVAC System Care

- Regularly check and replace your cabin air filter as recommended by your vehicle manufacturer to ensure good airflow and reduce strain on HVAC components.
- Have your vehicle's HVAC system inspected periodically by a qualified technician to identify and address any potential issues early.

5. TROUBLESHOOTING

If you experience issues with your vehicle's climate control after installing or while using the actuator, consider the following common symptoms and potential causes:

- **Incorrect Temperature Output:** If the air coming from the vents is consistently too hot or too cold, regardless of the temperature setting, the blend door actuator may not be moving the blend door correctly. This could indicate a faulty actuator, a problem with the blend door itself, or an issue with the climate control module.
- **Clicking or Ticking Noises:** A common symptom of a failing blend door actuator is a repetitive clicking or ticking sound coming from behind the dashboard. This often occurs when the actuator's internal gears are stripped or damaged, causing it to attempt to move the door but fail.
- **No Air Blend:** If the system only provides maximum hot or maximum cold air, and does not blend, the actuator may be stuck in one position or completely unresponsive.

Recommendation: Due to the complexity of automotive HVAC systems, it is strongly recommended to have a professional automotive technician diagnose and repair any issues related to the blend door actuator or climate control system.

6. SPECIFICATIONS

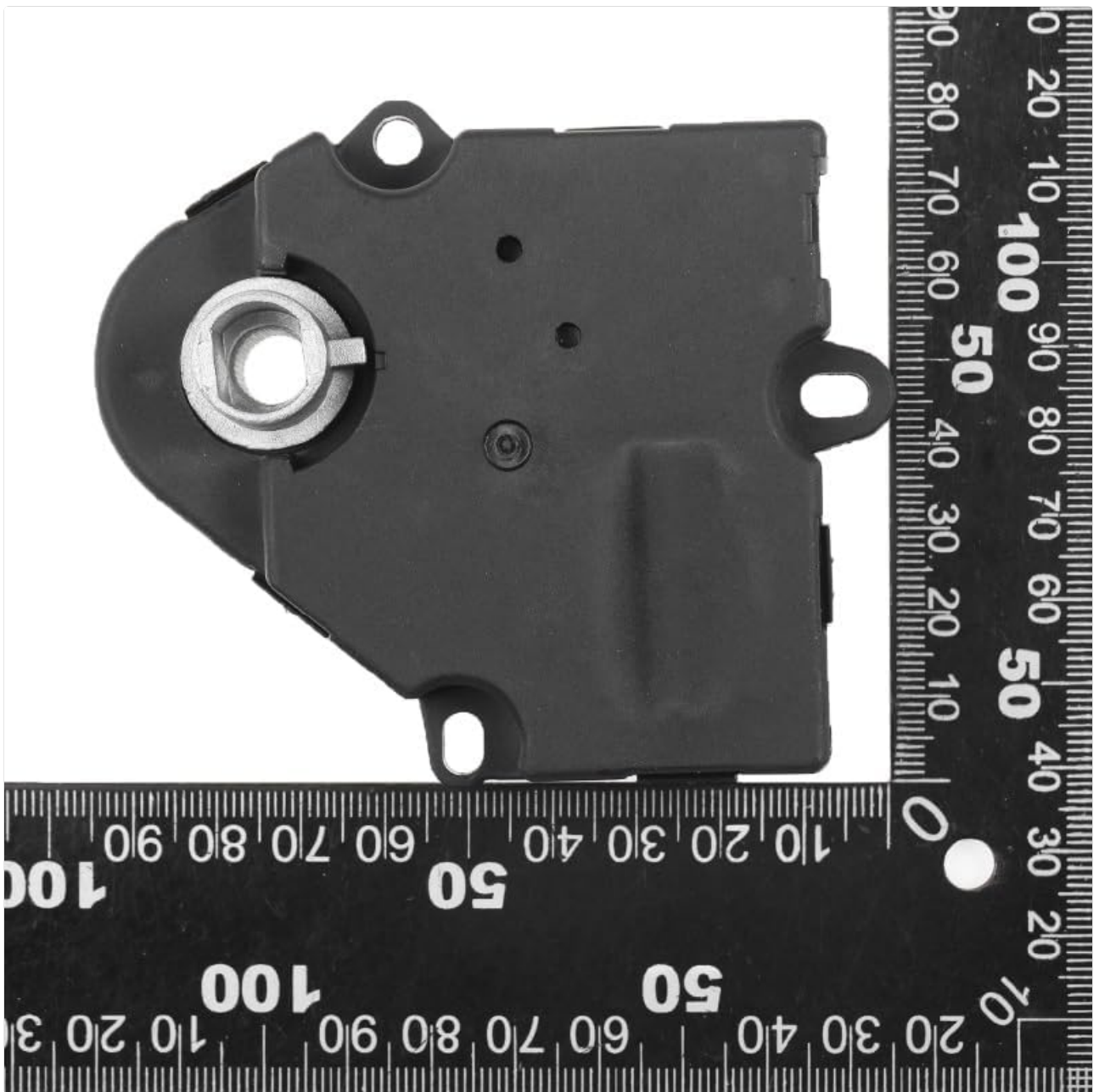


Image 6.1: Actuator shown with a ruler for approximate dimensions.



Image 6.2: Actuator on a digital scale indicating its weight.

Specification	Detail
Brand	ROEDE
Item Model Number	ROEDE321
ASIN	B0CJR9LQ18
Package Dimensions	1.18 x 0.79 x 0.39 inches (Approximate)
Item Weight	1.76 ounces (Approximate)
Assembly Required	No
Number of Pieces	1
Manufacturer	ROEDE

7. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact the seller or manufacturer directly. Keep your purchase receipt or order details handy when contacting support.

Manufacturer: ROEDE

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question