

## Dorman 604-179

# Dorman 604-179 HVAC Blend Door Actuator Instruction Manual

Essential information for the Dorman 604-179 HVAC Blend Door Actuator, including its function, installation considerations, and specifications.

## PRODUCT OVERVIEW

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The Dorman 604-179 HVAC Blend Door Actuator is a direct replacement component designed to restore proper heating, ventilation, and air conditioning (HVAC) operation in select Chevrolet models, specifically the Chevrolet Corvette from 2014 to 2019. This actuator is crucial for managing the vehicle's airflow by controlling internal flaps or air doors within the heating and ventilation ductwork behind the dashboard.

Key features include:

- **Direct Replacement:** Engineered to match the fit and function of the original air door actuator.
- **Position Specific:** Designed for a particular location and function within the HVAC system. Many vehicles have multiple actuators, each with a specific role.
- **Durable Construction:** Manufactured and tested to resist wear and electrical burnout, ensuring reliable operation and a long service life.
- **Trustworthy Quality:** Backed by Dorman's expertise and over a century of experience in automotive parts.



**Image 1:** Front view of the Dorman 604-179 HVAC Blend Door Actuator. This image shows the main body of the actuator with its electrical connector and mounting points.

## SETUP AND INSTALLATION CONSIDERATIONS

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Proper identification of the correct actuator is critical before installation. Vehicles often contain several different HVAC door actuators, each designed for specific positions and functions (e.g., directing air to upper, middle, or lower vents, or switching between fresh and recirculated air). Always confirm the exact vent position and function of the actuator you need to replace, as well as your vehicle's specific options (e.g., automatic versus manual climate control).

The Dorman 604-179 is a direct replacement, designed for plug-and-play installation. However, accessing these components often requires removing parts of the dashboard. Consult a qualified service technician if you are unsure about the specific actuator position or the installation process.



**Image 2:** Side view of the Dorman 604-179 HVAC Blend Door Actuator, highlighting the electrical connector.

## OPERATING PRINCIPLES

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The HVAC blend door actuator operates by using an electric motor to open and close internal flaps (air doors) within the vehicle's ventilation system. These flaps control the direction and temperature of airflow into the cabin. Modern actuators, like the Dorman 604-179, allow for precise, partial opening of these flaps, offering finer control over climate settings compared to older vacuum-operated systems that only had open or closed positions.

When you adjust your vehicle's climate control settings (e.g., changing vent direction, temperature, or recirculation mode), the vehicle's computer sends signals to the appropriate actuators, which then move the air doors to the desired position.





**Image 3:** Bottom view of the Dorman 604-179 HVAC Blend Door Actuator, showing the output shaft that connects to the blend door.

## MAINTENANCE

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HVAC blend door actuators are generally maintenance-free components. However, they are subject to wear over time. If a blend door itself is damaged and requires repair, it is highly recommended to replace the corresponding actuator simultaneously. This proactive approach helps prevent future issues, especially considering the often difficult access to these components behind the dashboard. Dorman also offers blend door repair kits for common applications.

## TROUBLESHOOTING

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Common symptoms of a failing HVAC blend door actuator include:

- Inconsistent or incorrect airflow direction (e.g., air only blowing from certain vents regardless of setting).
- Inability to change temperature settings effectively (e.g., stuck on hot or cold).
- Clicking, whirring, or grinding noises coming from behind the dashboard when adjusting climate controls.
- Failure of the recirculation or fresh air function.

If you experience any of these symptoms, it is likely that one or more air door actuators require replacement. Due to the complexity of HVAC systems and the potential for multiple actuators, professional diagnosis is recommended to identify the exact faulty component and its location.





**Image 4:** Top view of the Dorman 604-179 HVAC Blend Door Actuator, showing the overall shape and additional mounting points.

## SPECIFICATIONS

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Specification	Detail
Brand	Dorman
Model Number	604-179
Item Weight	4.2 ounces
Product Dimensions	5.19 x 4.05 x 2.55 inches
Manufacturer Part Number	604-179
OEM Part Numbers	ADS148; APBDA0262; F04071; 22842100
Compatible Vehicles	Chevrolet Corvette: 2014, 2015, 2016, 2017, 2018, 2019
What's in the Box	1 Air Door Actuator

## OFFICIAL PRODUCT VIDEO

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**Video:** "Choosing the Correct Air Door Actuator or Blend Door Actuator for Your Repair" by Dorman Products. This video provides an overview of air door actuators, their function, and important considerations for selecting the correct replacement part. It highlights the differences between various actuators and the importance of matching the part to the specific vehicle and function.

## WARRANTY AND SUPPORT

Specific warranty details for the Dorman 604-179 HVAC Blend Door Actuator are not provided in the available product information. For warranty claims, technical support, or further assistance, please refer to the official Dorman Products website or contact their customer service directly. Always retain your proof of purchase for any warranty-related inquiries.

