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Dorman 601-235

Dorman 601-235 Trailer Brake Control Module User Manual

Model: 601-235 | Brand: Dorman

INTRODUCTION

This manual provides comprehensive instructions for the Dorman 601-235 Trailer Brake Control Module. Designed as a direct replacement, this module ensures proper trailer brake function and control for specified Dodge and Ram trucks and SUVs. It is engineered for reliable performance and seamless integration with your vehicle's existing systems.

Key Features:

- **Direct Replacement:** Matches the fit and function of the original switch on specific vehicle years, makes, and models.
- **Ideal Solution:** Facilitates the addition of trailer brakes or serves as a reliable replacement for a failed original switch.
- **Durable Construction:** Manufactured from quality materials and components for reliable performance and extended service life.
- **Trustworthy Quality:** Backed by a team of engineers and product experts with over a century of automotive experience.
- **Vehicle Fitment:** Ensure compatibility by verifying your vehicle's make, model, and trim level.

PRODUCT OVERVIEW

The Dorman 601-235 Trailer Brake Control Module is an essential component for managing trailer braking. This unit integrates into your vehicle's dashboard, providing intuitive control over your trailer's braking system.



Figure 1: Front view of the Dorman 601-235 Trailer Brake Control Module, showing the '+' and '-' buttons for brake force adjustment and the manual trailer brake lever.



Figure 2: Top-down perspective of the module, highlighting the control buttons and the integrated design for dashboard installation.



Figure 3: Side view of the module, illustrating the mounting clips designed for secure fitment within the vehicle's instrument panel.



Figure 4: Rear view of the module, displaying the multi-pin electrical connector for integration with the vehicle's wiring harness.

SETUP AND INSTALLATION

The Dorman 601-235 Trailer Brake Control Module is designed for direct replacement and plug-and-play installation, matching the original equipment's fit and function. Professional installation is recommended for optimal performance and safety.

General Installation Steps:

1. **Safety First:** Ensure the vehicle is turned off and the parking brake is engaged. Disconnect the vehicle's battery to prevent electrical shorts.
2. **Locate Mounting Position:** Identify the designated location in your vehicle's instrument panel for the trailer brake control module. This is typically where the original switch or a blank panel is located.
3. **Remove Existing Component (if applicable):** Carefully remove the existing trailer brake control switch or blank panel from the dashboard.
4. **Connect Wiring:** Connect the vehicle's wiring harness to the rear of the Dorman 601-235 module. Ensure a secure and proper connection.
5. **Install Module:** Insert the Dorman 601-235 module into the dashboard opening. Press firmly until the mounting clips engage and the module is securely seated.
6. **Reconnect Battery:** Reconnect the vehicle's battery.
7. **Test Functionality:** Turn on the vehicle and perform initial tests to ensure the module powers on and is recognized by the vehicle's system. Refer to your vehicle's owner's manual for specific testing procedures for integrated trailer brake controllers.

Installation Video Reference:

The following video demonstrates the installation of a similar integrated trailer brake control module for Ram vehicles. While the exact model may differ, the general principles and steps for dashboard integration and wiring may be applicable.

Your browser does not support the video tag.

Video: Installation of an Integrated Trailer Brake Control Module for Ram (Model 82214492AB). This video provides a visual guide to the installation process, which may share similarities with the Dorman 601-235 module installation.

OPERATING INSTRUCTIONS

The Dorman 601-235 Trailer Brake Control Module allows the driver to adjust the brake force applied to the trailer and manually activate the trailer brakes. The module integrates with your vehicle's existing brake system to provide synchronized braking.

Adjusting Trailer Brake Force:

- Use the '+' **button** to increase the trailer brake force.
- Use the '-' **button** to decrease the trailer brake force.
- Adjust the brake force based on trailer weight, road conditions, and personal preference to achieve smooth and effective braking.

Manual Trailer Brake Activation:

- The integrated lever (often marked with a trailer icon) allows for manual activation of the trailer brakes independently of the vehicle's brakes.
- Pushing the lever forward will apply the trailer brakes. This can be useful for stabilizing the trailer or for testing the trailer brakes.

Always refer to your vehicle's owner's manual for detailed operating procedures specific to your integrated trailer brake system.

MAINTENANCE

Regular maintenance ensures the longevity and proper function of your Dorman 601-235 Trailer Brake Control Module.

- **Visual Inspection:** Periodically inspect the module and its connections for any signs of wear, damage, or corrosion.
- **Cleanliness:** Keep the module's surface clean and free from dust or debris using a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Connection Integrity:** Ensure all electrical connections remain secure. Loose connections can lead to intermittent operation or failure.

TROUBLESHOOTING

If you experience issues with your Dorman 601-235 Trailer Brake Control Module, consider the following troubleshooting steps:

- **No Power/No Function:**
 - Check all electrical connections to ensure they are secure.
 - Verify the vehicle's towing package fuse is intact and not blown.
 - Ensure the vehicle's ignition is on and the trailer is properly connected.
- **Incorrect Brake Force:**
 - Adjust the brake force using the '+' and '-' buttons on the module.
 - Ensure the trailer's brake system is functioning correctly (e.g., brake pads, wiring on the trailer).
- **Trailer Sway/Unstable Braking:**
 - Adjust the brake force settings.

- Check trailer loading and weight distribution.
- Ensure the trailer's brake system is properly maintained.

If problems persist after attempting these steps, consult a qualified automotive technician or contact Dorman customer support.

SPECIFICATIONS

Feature	Detail
Brand	Dorman
Model	601-235
Operation Mode	ON-OFF
Connector Type	Crimp
Terminal	Screw
Item Dimensions (L x W x H)	4.92 x 2.95 x 2.16 inches
Actuator Type	Push Button
International Protection Rating	IP40
Number of Positions	4
Control Method	Touch
Connectivity Protocol	X-10
Color	Multi
Item Weight	1.6 ounces
Manufacturer Part Number	601-235
OEM Part Number	68105206AB; 68105206AC

WHAT'S IN THE BOX

The Dorman 601-235 Trailer Brake Control Module package includes:

- 1 Trailer Brake Control Module

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance with your Dorman 601-235 Trailer Brake Control Module, please refer to the documentation included with your product or visit the official Dorman website.

You can also visit the [Dorman Brand Store](#) for more product details and support resources.