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› Dasbecan Integrated Electronic Trailer Brake Controller User Manual for Dodge Ram 1500 2500 3500 4500 5500 (2016-2018) and Ram 1500 Classic Edition (2019)

Dasbecan 82215040AB

Dasbecan Integrated Electronic Trailer Brake Controller User Manual

Models: 82215040AB, 82215040AC

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Dasbecan Integrated Electronic Trailer Brake Controller. This system is designed to provide precise and flexible control over your trailer's braking system, enhancing safety and towing performance. Please read this manual thoroughly before installation and use to ensure proper function and to avoid potential issues.

2. VEHICLE COMPATIBILITY

This Dasbecan Integrated Electronic Trailer Brake Controller is compatible with the following vehicle models:

- Ram 1500 (2016-2018)
- Ram 2500 (2016-2018)
- Ram 3500 (2016-2018)
- Ram 4500 (2016-2018)
- Ram 5500 (2016-2018)
- Ram 1500 Classic Edition (2019)

Important Note: This product is **not** compatible with the Ram 1500 New Body Style.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Trailer Brake Controller Module (x1)
- Trailer Brake Controller Switch (x1)
- Mounting Screws (x3)

PACKAGE LISTING:
TRAILER BRAKE CONTROLLER MODULE X1
TRAILER BRAKE CONTROLLER SWITCH X1
SCREW X3



Image 3.1: Contents of the Dasbecan Trailer Brake Controller package, showing the module, switch, and three screws.

4. PRODUCT SPECIFICATIONS

Feature	Specification
Model Numbers	82215040AB, 82215040AC
Operation Mode	Manual
Contact Type	Normally Open
Connector Type	Plug In
Terminal Type	Screw
Dimensions (L x W x H)	8.66 x 5.91 x 3.15 inches

Circuit Type	1-way
Mounting Type	Panel Mount
Actuator Type	Push Button
Control Method	Touch
Item Weight	1.24 pounds

5. INSTALLATION INSTRUCTIONS

Installation of the Dasbecan Integrated Electronic Trailer Brake Controller involves mounting the module and switch, followed by vehicle programming. It is recommended that this procedure be performed by a qualified technician if you are not familiar with automotive electrical systems or vehicle programming.

5.1. Hardware Installation

1. **Locate Mounting Position:** Identify the designated location for the trailer brake controller module and switch in your vehicle. This is typically behind the dashboard or in a console area.
2. **Access Wiring:** Your vehicle should be pre-wired for the trailer brake controller. Locate the existing wiring harnesses for both the module and the control switch. These are usually clipped into dummy plugs near the installation area.
3. **Mount the Module:** Securely mount the trailer brake controller module using the provided screws. Due to vehicle design, accessing the mounting points can be challenging. Consider using appropriate tools or assistance for this step.
4. **Connect Module Wiring:** Connect the vehicle's wiring harness to the trailer brake controller module. Ensure a secure connection.
5. **Install the Switch:** Insert the trailer brake controller switch into its designated dashboard opening. Connect the vehicle's wiring harness to the switch.

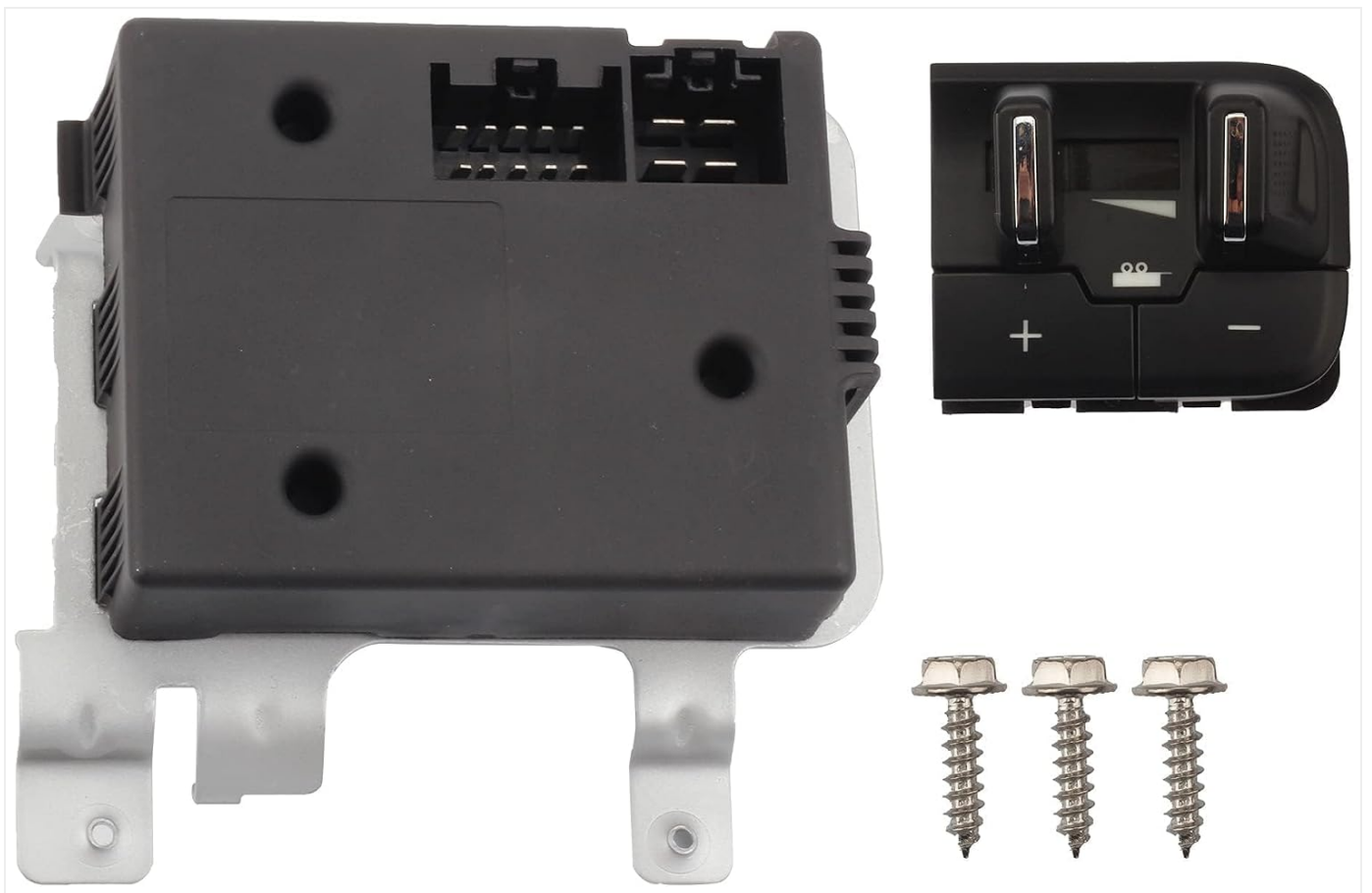


Image 5.1: The trailer brake controller module and switch components.



Image 5.2: Example of the trailer brake controller module installed within the vehicle's dashboard area.

5.2. Vehicle Programming

After hardware installation, the vehicle's Body Control Module (BCM) or ECU must be programmed to recognize and activate the trailer brake controller. This step is crucial for the system to function correctly.

- If your vehicle has never had trailer brakes, programming is required.
- Programming can be performed by a dealership service center or by using a compatible diagnostic tool such as AlphaOBD.
- Ensure all necessary settings related to trailer brake control are activated within the vehicle's system.

Note: Some vehicle models may require accessing the security module, which can be located behind the radio or in other less accessible areas. Consult your vehicle's service manual for specific locations.

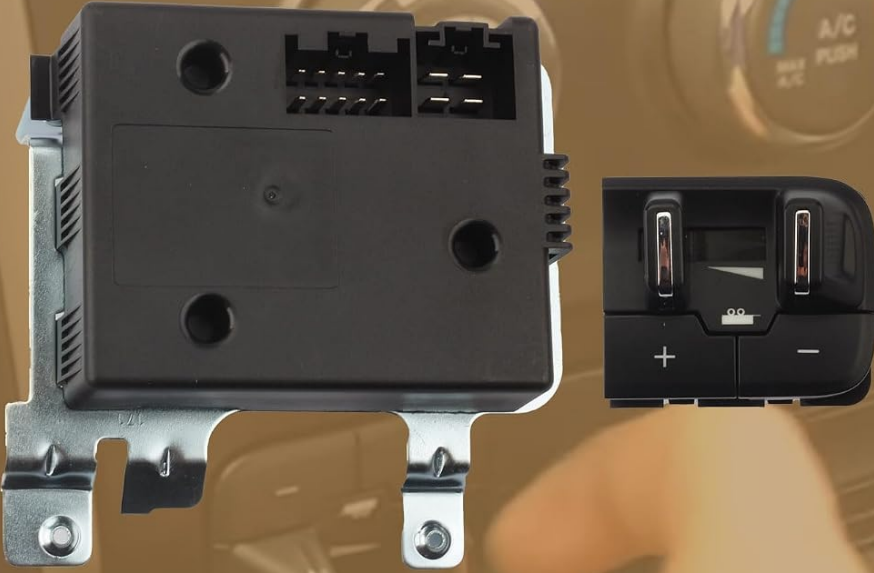
6. OPERATING INSTRUCTIONS

Once installed and programmed, the Dasbecan Integrated Electronic Trailer Brake Controller allows you to manage your trailer's braking force.

6.1. Adjusting Brake Gain

- Use the + and - buttons on the control switch to adjust the brake gain.
- The gain setting determines the amount of braking force applied to the trailer. A higher gain setting applies more braking force.
- Adjust the gain to achieve smooth, synchronized braking between your vehicle and the trailer. The trailer should brake proportionally to the tow vehicle without locking up or pushing the tow vehicle.

A+ PROFESSIONAL REPLACEMENT OF AUTO PARTS
INTEGRATED ELECTRONIC TRAILER BRAKE CONTROLLER



FEATURES

- ◆ OE MANUFACTURING STANDARDS INTEGRATED ELECTRONIC TRAILER BRAKE CONTROLLER
- ◆ OE NUMBER: 82215040AB, 82215040, 82215040AC
- ◆ FOR RAM 1500 1500 CLASSIC EDITION 2500 3500 4500 5500 (COMPLETE MATCHING MODELS VIEW VEHICLE ADAPTATION)

Image 6.1: Close-up of the trailer brake controller switch, showing the '+' and '-' buttons for gain adjustment.



Image 6.2: A hand demonstrating the operation of the trailer brake controller switch within a vehicle's interior.

6.2. Manual Brake Application

The control switch typically includes a lever or slider for manual application of trailer brakes, independent of the tow vehicle's brakes. This can be useful for reducing trailer sway or for testing the trailer brakes.

7. MAINTENANCE

The Dasbecan Integrated Electronic Trailer Brake Controller is designed for durability and minimal maintenance. Follow these guidelines to ensure long-term performance:

- **Regular Inspection:** Periodically check all connections to the module and switch to ensure they are secure and free from corrosion.
- **Cleanliness:** Keep the control switch free from dust and debris. Use a soft, dry cloth for cleaning. Avoid harsh chemicals.
- **Environmental Protection:** The module is designed to be installed within the vehicle's interior, protecting it from

direct exposure to elements. Ensure no moisture or extreme temperatures affect the unit.

8. TROUBLESHOOTING

If you encounter issues with your trailer brake controller, refer to the following troubleshooting steps:

8.1. Common Issues and Solutions

- **Controller Not Communicating / Not Working:**
 - **Check Programming:** Verify that the vehicle's BCM/ECU has been correctly programmed to enable the trailer brake function. This is a common cause of non-functionality.
 - **Inspect Connections:** Ensure all electrical connections to the module and switch are firm and properly seated.
 - **Vehicle Diagnostics:** If programming was done, a diagnostic scan may reveal communication errors or fault codes.
- **Control Switch Lights Not Illuminating:**
 - This may indicate a wiring issue or a fault within the switch itself. Check connections and ensure the vehicle's electrical system is supplying power.
- **Trailer Brake Display Appears on Dashboard Without Trailer Connected:**
 - This behavior has been reported in some installations. It may resolve itself if other related vehicle modules (e.g., trailer light module) are repaired or replaced. Ensure all vehicle systems are functioning optimally.
- **Gain Setting Changes Automatically / Inconsistent Braking:**
 - Ensure the controller is securely mounted and not subject to excessive vibration.
 - Re-check programming settings.
 - If issues persist, consult a professional technician.
- **Trailer Brakes Lock Up or Are Ineffective:**
 - **Adjust Gain:** Reduce the gain setting if brakes are locking up. Increase if braking is ineffective.
 - **Trailer Wiring:** Inspect the trailer's wiring and brake components for any faults or damage.

If these steps do not resolve the issue, it is recommended to seek assistance from a certified automotive technician.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Dasbecan Integrated Electronic Trailer Brake Controller, please refer to the documentation provided with your purchase or contact Dasbecan customer service directly. Keep your purchase receipt for warranty claims.