

## Dorman 599-871

# Dorman 599-871 ABS Control Module Instruction Manual

For Select Chevrolet/GMC Models

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Dorman 599-871 ABS Control Module. This module is designed as an upgraded replacement for original equipment ABS modules in specific Chevrolet and GMC vehicles. Please read these instructions thoroughly before proceeding with installation or use.

## 2. PRODUCT FEATURES

- **Upgraded Design:** Features a thicker control board and a faster microprocessor for enhanced stopping performance and durability compared to original equipment.
- **Quality Manufacturing:** This is a 100% new module, manufactured in an advanced facility in the United States.
- **Application Specific:** Engineered to directly replace failure-prone original modules on certain GM vehicles.
- **Rigorously Tested:** Undergoes thorough validation and certification processes to ensure reliable performance.



Image: Dorman OE FIX module highlighting its improved design over original equipment.

### 3. COMPATIBILITY

This Dorman 599-871 ABS Control Module is designed for specific Chevrolet and GMC models. To ensure proper fitment for your vehicle, it is crucial to verify compatibility using the manufacturer's fitment tool or by cross-referencing the OEM part numbers.

**OEM Part Numbers:** 13451118; 13451121; 13451128; 13451133; 13451148; 13451152; 18233607; 18233621; 19122256; 19148796; 19244903; 19301631; 88982315; 88982322; 88982937; 88983892

### 4. INSTALLATION GUIDE

Installation of an ABS control module typically requires specialized tools and automotive knowledge. It is recommended that installation be performed by a qualified technician. The following steps are a general overview and may vary based on vehicle model.

#### 4.1 Safety Precautions

- Disconnect the vehicle's battery before beginning any work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands if raised.

#### 4.2 Removal of Old Module

1. Locate the existing ABS control module on your vehicle. Its location can vary by make and model.
2. Carefully disconnect all electrical connectors from the module.
3. Remove any mounting bolts or clips securing the module.
4. Gently detach the old module from the hydraulic control unit.

#### 4.3 Installation of New Module

1. Align the Dorman 599-871 ABS Control Module with the hydraulic control unit.
2. Secure the module using the appropriate mounting bolts or clips. Ensure it is firmly seated.
3. Reconnect all electrical connectors, ensuring they click into place.
4. Reconnect the vehicle's battery.
5. Perform any necessary system bleeding or calibration procedures as specified by the vehicle manufacturer's service manual. This may require a diagnostic scan tool.

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### **PROBLEM:**

Original equipment ABS modules on certain GM vehicles break prematurely due to failed relays.



### **FIX:**

This Dorman OE FIX module is newly manufactured and completely redesigned for greater durability.



Image: Dorman 599-871 ABS Control Module, top view, illustrating its design.



Image: Dorman 599-871 ABS Control Module, side view, showing connection points.

## 5. OPERATION

The ABS (Anti-lock Braking System) control module is a critical component of your vehicle's braking system. It monitors wheel speed sensors and, during hard braking, modulates brake pressure to prevent the wheels from locking up. This allows the driver to maintain steering control during emergency braking situations.

Once installed and properly calibrated, the Dorman 599-871 module operates automatically as part of the vehicle's ABS system. No user intervention is required for its normal function.

## 6. MAINTENANCE

The Dorman 599-871 ABS Control Module is designed for long-term reliability and typically requires no routine maintenance. However, it is important to ensure the following:

- Keep electrical connections clean and free from corrosion.
- Ensure the module is securely mounted to prevent vibration damage.
- Address any vehicle warning lights related to the ABS system promptly by consulting a qualified technician.

## 7. TROUBLESHOOTING

Original equipment ABS modules on certain GM vehicles are known to fail prematurely, often due to issues with internal relays. The Dorman 599-871 module is engineered to address these common failure points with a redesigned internal structure for greater durability.



Image: Comparison illustrating the problem with original equipment ABS modules (failed relays) and the Dorman OE FIX solution for improved durability.

If you experience any of the following symptoms after installation, or if your ABS warning light illuminates, consult a professional automotive technician:

- ABS warning light remains on.
- Brake pedal pulsation or unusual feel during normal braking.
- Loss of ABS function.
- Diagnostic trouble codes (DTCs) related to the ABS system.

A diagnostic scan tool will be required to read fault codes and perform any necessary system resets or calibrations.

## 8. SPECIFICATIONS

Attribute	Value
Model Number	599-871
Brand	Dorman
Product Dimensions	19.81 x 16.51 x 6.35 cm
Item Weight	680 g
Exterior Finish	Machined
Manufacturer	Dorman Products

## 9. WARRANTY AND SUPPORT

For specific warranty information regarding your Dorman 599-871 ABS Control Module, please refer to the documentation included with your purchase or visit the official Dorman Products website. Dorman provides technical support and customer service for their products.

For further assistance, please contact Dorman customer support directly or consult with a certified automotive professional.

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