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› Dorman CS37821 Clutch Slave Cylinder Instruction Manual for Chevrolet Camaro and Pontiac Firebird

Dorman CS37821

Dorman CS37821 Clutch Slave Cylinder Instruction Manual

Model: CS37821

1. INTRODUCTION

This manual provides essential information for the Dorman CS37821 Clutch Slave Cylinder. This component is engineered as a direct replacement for the original equipment in specific Chevrolet and Pontiac models, ensuring reliable clutch system operation.



Figure 1: Dorman CS37821 Clutch Slave Cylinder, side view. This image shows the main body of the slave cylinder, the rubber boot, and

the mounting flange.

2. PRODUCT FEATURES

- **Direct replacement:** This clutch slave cylinder is built to match the original clutch slave in specific vehicles.
- **Precise design:** Reverse-engineered from original equipment to fit seamlessly and function reliably.
- **Durable materials:** Includes high-grade rubber components for compatibility with standard brake fluid.
- **Trustworthy value:** Backed by a team of engineers and quality control experts in the United States.
- **Ensure fit:** To make sure this part fits your exact vehicle, input your make, model, and trim level into the garage tool.

3. COMPATIBILITY

This Dorman CS37821 Clutch Slave Cylinder is compatible with the following vehicles:

- **Chevrolet Camaro:** 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992
- **Pontiac Firebird:** 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992

Always verify fitment using your vehicle's make, model, and trim level before installation.

4. SETUP AND INSTALLATION

Installation of a clutch slave cylinder requires specialized automotive knowledge and tools. It is highly recommended that this procedure be performed by a qualified automotive technician.

This unit is designed as a direct replacement. Ensure the vehicle's hydraulic clutch system is properly bled after installation to remove all air. Refer to your vehicle's service manual for specific bleeding procedures.





Figure 2: Top-down view of Dorman CS37821 Clutch Slave Cylinder. This perspective highlights the mounting flange and the connection points.

5. OPERATING PRINCIPLES

The clutch slave cylinder is a critical component in a hydraulic clutch system. When the clutch pedal is pressed, hydraulic fluid pressure from the master cylinder activates the slave cylinder. This action extends a rod, which disengages the clutch, allowing for gear changes. When the pedal is released, the pressure is relieved, and the clutch re-engages.

Proper operation relies on a sealed system free from leaks and air. Any compromise to the hydraulic integrity will affect clutch engagement and disengagement.

6. MAINTENANCE

Regular inspection of the clutch hydraulic system is recommended to ensure optimal performance and longevity.

- **Fluid Level Check:** Periodically check the clutch fluid reservoir level. A low fluid level can indicate a leak within the

system.

- **Leak Detection:** Visually inspect the slave cylinder, master cylinder, and connecting lines for any signs of fluid leaks. Address any leaks promptly.
- **Fluid Quality:** Ensure the clutch fluid (typically brake fluid) is clean and free from contamination. Refer to your vehicle's service manual for recommended fluid change intervals.



Figure 3: Side profile of Dorman CS37821 Clutch Slave Cylinder. This view provides a comprehensive look at the component's structure.

7. TROUBLESHOOTING

If you experience issues with your clutch system, consider the following common problems related to a malfunctioning clutch slave cylinder:

- **Soft or Spongy Clutch Pedal:** This often indicates air in the hydraulic system or a failing slave cylinder seal.
- **Difficulty Shifting Gears:** May be caused by incomplete clutch disengagement due to a faulty slave cylinder not fully extending.
- **Fluid Leaks:** Visible fluid around the slave cylinder or transmission bell housing is a clear sign of a leak, requiring immediate attention.
- **Clutch Pedal Stays on Floor:** A severe hydraulic system failure, often involving the slave or master cylinder, preventing the pedal from returning.

If you experience any of these symptoms, consult a qualified mechanic for diagnosis and repair.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	Dorman Products
Brand	Dorman

Feature	Detail
Model	Clutch Slave Cylinder
Item Weight	1.6 ounces
Product Dimensions	6.6 x 5.1 x 1.6 inches
Item Model Number	CS37821
Exterior	Painted
Manufacturer Part Number	CS37821
OEM Part Number	13322; 138.62011; 139.62011; 18F85; 24-36011; 37821; 386-453; 386333; CS2227; F126869; LSC110; S-82011; S0411; SC126869; SC37821; SH6091; W909108; 10074135
ASIN	B001PYG94G
Date First Available	October 10, 2007

9. WARRANTY INFORMATION

For specific warranty details regarding the Dorman CS37821 Clutch Slave Cylinder, please refer to the official Dorman product warranty statement provided with your purchase or visit the official Dorman website. Warranty terms and conditions may vary.

10. SUPPORT

For technical assistance, product inquiries, or further support, please visit the official Dorman website or contact their customer support channels. Contact information can typically be found on the Dorman website or product packaging.

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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.

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