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## Exedy SC626

# EXEDY SC626 Clutch Slave Cylinder Instruction Manual

Model: SC626

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your EXEDY SC626 Clutch Slave Cylinder. Please read these instructions thoroughly before beginning any work to ensure safe and correct usage. The EXEDY SC626 is an OEM-quality clutch slave cylinder designed for specific Mazda vehicle applications, ensuring reliable clutch system performance.



Image 1.1: The EXEDY SC626 Clutch Slave Cylinder. This component is crucial for transmitting hydraulic pressure to disengage the clutch.

## 2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and undamaged:

- One (1) EXEDY SC626 Clutch Slave Cylinder

## 3. PRODUCT SPECIFICATIONS

Refer to the following technical specifications for the EXEDY SC626 Clutch Slave Cylinder:

Specification	Detail
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Specification	Detail
Manufacturer	EXEDY
Brand	Exedy
Model	SC626
Item Weight	14.4 ounces
Product Dimensions	4.75 x 4 x 3 inches
Exterior Finish	Machined
Manufacturer Part Number	SC626
ASIN	B00B7PVZII
First Available Date	July 7, 2008

## 4. INSTALLATION

**Important:** Installation of automotive components, especially those related to the drivetrain and braking systems, requires specialized tools, knowledge, and experience. Improper installation can lead to vehicle damage, loss of control, and serious injury. It is highly recommended that installation be performed by a qualified automotive technician.

### General Installation Steps (Consult a Service Manual for Specifics):

- 1. Preparation:** Ensure the vehicle is safely supported on jack stands or a lift. Disconnect the negative battery terminal.
- 2. Locate and Remove Old Slave Cylinder:** Identify the existing clutch slave cylinder. Disconnect the hydraulic line and remove the mounting bolts. Be prepared for brake fluid leakage and have appropriate containers for disposal.
- 3. Install New Slave Cylinder:** Position the new EXEDY SC626 slave cylinder. Ensure the pushrod is correctly seated against the clutch fork. Secure it with the mounting bolts, tightening to manufacturer specifications.
- 4. Connect Hydraulic Line:** Reattach the hydraulic line to the new slave cylinder. Ensure a tight, leak-free connection.
- 5. Bleed the Clutch System:** This is a critical step. Follow the vehicle manufacturer's procedure for bleeding the clutch hydraulic system to remove all air. Air in the system will prevent proper clutch operation.
- 6. Test Operation:** Once bled, check for proper clutch pedal feel and engagement/disengagement. Inspect for any fluid leaks.
- 7. Final Checks:** Reconnect the battery, lower the vehicle, and perform a road test in a safe area.

## 5. OPERATION

The EXEDY SC626 Clutch Slave Cylinder operates as an integral part of your vehicle's hydraulic clutch system. When the clutch pedal is depressed, hydraulic fluid pressure from the master cylinder is transmitted to

the slave cylinder. The slave cylinder then extends its pushrod, which actuates the clutch release fork, disengaging the clutch from the flywheel. This allows for smooth gear changes.

Proper operation is indicated by a consistent clutch pedal feel, smooth clutch engagement and disengagement, and no difficulty shifting gears.

## 6. MAINTENANCE

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The EXEDY SC626 Clutch Slave Cylinder is designed for durability and minimal maintenance. However, regular inspection of the clutch hydraulic system is recommended:

- **Fluid Level Check:** Periodically check the clutch fluid reservoir level (often shared with the brake fluid reservoir). Ensure it is within the recommended range.
- **Fluid Condition:** Observe the color of the clutch fluid. If it appears dark or contaminated, it may be time for a fluid flush and replacement, as per your vehicle manufacturer's recommendations.
- **Leak Inspection:** Visually inspect the slave cylinder and hydraulic lines for any signs of fluid leaks. Address any leaks immediately to prevent system failure.
- **Pedal Feel:** Pay attention to any changes in clutch pedal feel, such as sponginess or excessive stiffness, which could indicate an issue with the hydraulic system.

## 7. TROUBLESHOOTING COMMON ISSUES

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If you experience issues with your clutch system, consider the following common problems and potential solutions:

- **Spongy Clutch Pedal:** This often indicates air in the hydraulic system. The system needs to be bled thoroughly.
- **Clutch Not Disengaging Fully (Difficulty Shifting):** Possible causes include air in the system, low fluid level, a leaking slave cylinder, or a worn clutch assembly. Check fluid, bleed the system, and inspect for leaks.
- **Fluid Leaks Around Slave Cylinder:** A visible leak indicates a failed seal within the slave cylinder, requiring replacement of the unit.
- **No Clutch Pedal Pressure:** This is a severe issue, likely due to a major leak in the hydraulic system or a complete failure of the master or slave cylinder. Do not drive the vehicle until repaired.

If troubleshooting steps do not resolve the issue, consult a qualified automotive technician.

## 8. WARRANTY AND SUPPORT

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EXEDY Globalparts Corporation (USA) is a wholly owned subsidiary of the EXEDY Corporation of Japan. EXEDY (Japan) was founded in 1923 and its clutch manufacturing business and prominent brand name Daikin Clutch are known throughout the world for supplying quality powertrain products. Our pursuit of perfection and the assurance of safety underlie our famed quality and reliability.

For specific warranty details, claims, or technical support, please refer to the official EXEDY website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.



Image 8.1: The EXEDY brand logo, representing quality powertrain products.

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This manual is for informational purposes only. Always consult a professional technician for vehicle repairs.