

Dorman 54249

Dorman Engine Coolant Reservoir Cap - Model 54249

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Dorman Engine Coolant Reservoir Cap, Model 54249. This cap is designed as a direct replacement for cracked or missing original engine coolant reservoir caps in select Lexus and Toyota vehicles. Refer to the compatibility list in the specifications section to ensure this part is suitable for your vehicle.

2. SAFETY INFORMATION

WARNING:

- Always allow the engine to cool completely before attempting to remove the coolant reservoir cap. Hot coolant is under pressure and can cause severe burns.
- Wear appropriate personal protective equipment, including gloves and eye protection, when working with automotive fluids.
- Dispose of old coolant and parts responsibly according to local regulations.
- If you are unsure about any step, consult a qualified automotive technician.

3. SETUP (INSTALLATION)

The Dorman Engine Coolant Reservoir Cap 54249 is designed for direct replacement. Follow these steps for installation:

1. **Preparation:** Ensure the vehicle's engine is completely cool. Locate the engine coolant reservoir.
2. **Remove Old Cap:** Carefully twist the old coolant reservoir cap counter-clockwise to remove it. If the cap is stuck or difficult to remove, apply gentle, steady pressure.
3. **Inspect Reservoir Neck:** Visually inspect the neck of the coolant reservoir for any cracks, debris, or damage that might prevent a proper seal. Clean if necessary.
4. **Install New Cap:** Place the Dorman 54249 replacement cap onto the reservoir neck. Align the cap properly and twist clockwise until it clicks or tightens securely. The cap should feel snug and not wobble.
5. **Verify Fitment:** Gently attempt to twist the cap counter-clockwise without applying excessive force. It should not easily come loose.



Image 1: Top view of the Dorman Engine Coolant Reservoir Cap 54249, showing the main body and two hose connections.



Image 2: Side view of the Dorman Engine Coolant Reservoir Cap 54249, highlighting the lower stem and the two upper hose connections.

4. OPERATING CONSIDERATIONS

The coolant reservoir cap plays a crucial role in maintaining the proper pressure within your vehicle's cooling system. A properly functioning cap helps prevent coolant loss and ensures efficient engine cooling.

- After installation, monitor your coolant levels regularly, especially during the first few drives.
- Observe for any signs of coolant leaks around the cap or reservoir.
- Ensure the cap remains securely fastened during vehicle operation.

5. MAINTENANCE

Regular inspection of your coolant reservoir cap is recommended as part of routine vehicle maintenance:

- **Visual Inspection:** Periodically check the cap for any visible cracks, deformities, or signs of wear.
- **Seal Integrity:** Ensure the rubber seal on the underside of the cap is intact and pliable. A hardened or cracked seal can lead to pressure loss.
- **Hose Connections:** If applicable, check the small hose connections on the cap for secure fitment and absence of leaks.
- **Cleaning:** Keep the cap and reservoir neck free from dirt and debris to ensure a clean sealing surface.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Cap feels loose or wobbles after installation.	Incorrect alignment; manufacturing variation; reservoir neck damage.	Re-align and re-install the cap, ensuring it clicks securely. Inspect the reservoir neck for damage. If the issue persists, verify part compatibility or consider professional inspection.
Coolant leak around the cap.	Cap not tightened properly; damaged cap seal; cracked reservoir neck.	Ensure the cap is fully tightened. Inspect the cap's rubber seal for damage. Check the reservoir neck for cracks. Replace components as necessary.
Engine overheating or low coolant warning.	Coolant system pressure loss (potentially due to cap); other cooling system issues.	Check coolant level and add coolant if low. Ensure cap is securely installed. If problems persist, this indicates a larger cooling system issue requiring professional diagnosis.

7. SPECIFICATIONS

- Brand:** Dorman
- Model Number:** 54249
- Part Type:** Engine Coolant Reservoir Cap
- Material:** Metal
- Color:** Black
- Dimensions (L x W x H):** 16 x 13.2 x 3 cm (approx. 6.3 x 5.2 x 1.2 inches)
- Item Weight:** 13.6 grams (approx. 0.48 ounces)
- OEM Part Number:** 16405-50051
- Compatible Vehicles:**
- Lexus GX460: 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
 - Lexus GX470: 2003, 2004, 2005, 2006, 2007, 2008, 2009
 - Toyota 4Runner: 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
 - Toyota FJ Cruiser: 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014

8. WARRANTY AND SUPPORT

Dorman products are manufactured to high-quality standards. This product is backed by a fitment guarantee, ensuring it is designed to directly replace the original equipment cap for specified applications.

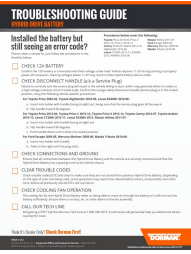
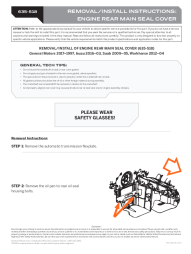



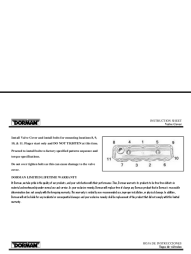
For specific warranty details or technical support, please refer to the official Dorman website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Contact Information:

Web: www.dormanproducts.com

Phone: Refer to Dorman's official website for regional contact numbers.



	<p>Dorman Hybrid Drive Battery Troubleshooting Guide</p> <p>A comprehensive troubleshooting guide for Dorman Hybrid Drive Batteries, offering step-by-step procedures to resolve common error codes and ensure proper installation and function.</p>
	<p>Dorman 635-518 Engine Rear Main Seal Cover Removal and Installation Guide</p> <p>Comprehensive removal and installation instructions for the Dorman 635-518 Engine Rear Main Seal Cover. This guide provides step-by-step procedures, technical tips, and compatibility information for General Motors, Isuzu, Saab, and Workhorse vehicles.</p>
	<p>Dorman Automotive Hardware Catalog: Comprehensive Fasteners and Components</p> <p>Explore the Dorman Automotive Hardware Catalog, featuring a wide range of fasteners, nuts, bolts, springs, and specialized tech trays for automotive repair and maintenance. Find part numbers and applications for efficient inventory and service.</p>
	<p>Dorman 926-959 Oil Filter Housing Kit Installation Instructions</p> <p>Comprehensive installation guide for the Dorman 926-959 Upgraded Aluminum Engine Oil Filter Housing Kit. Includes compatibility information, safety precautions, step-by-step instructions, and technical support contact details.</p>
	<p>Dorman 601-037 Steering Column Lock Actuator Programming and Verification Guide</p> <p>Detailed instructions for programming and verifying the Dorman 601-037 Steering Column Lock Actuator, including safety precautions and troubleshooting tips.</p>
	<p>Dorman Valve Cover Installation Instructions and Limited Lifetime Warranty</p> <p>Comprehensive guide for installing Dorman engine valve covers, including step-by-step instructions, bolt tightening procedures, and details on the Dorman Limited Lifetime Warranty for automotive applications.</p>

