

Dorman 54245

Dorman 54245 Engine Coolant Cap User Manual

Model: 54245 | Brand: Dorman

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Dorman 54245 Engine Coolant Cap. This cap is designed as a direct replacement for cracked or lost original engine coolant reservoir caps, ensuring a seamless and effective fit for compatible vehicles.

PRODUCT OVERVIEW

The Dorman 54245 Engine Coolant Cap is engineered to provide a precise fit and reliable performance. It is a critical component for maintaining the proper pressure within your vehicle's cooling system.

Key Features:

- **Direct Replacement:** This cap directly replaces a cracked or lost original cap, ensuring proper function.
- **Application Specific:** Designed to match the dimensions of the reservoir cap on specific vehicle years, makes, and models.
- **Seamless Fit:** Reverse-engineered from original equipment for a perfect fit.
- **Excellent Value:** A cost-effective and easy replacement solution.

What's in the Box:

- (1) Dorman 54245 Engine Coolant Cap



Image 1: Top view of the Dorman 54245 Engine Coolant Cap. This image shows the cap with its attached tether and ring, displaying the "REFRIGERANT" and "ANTI-LIQUIDE" markings.

COMPATIBILITY

The Dorman 54245 Engine Coolant Cap is compatible with select Nissan models. To ensure precise fitment for your vehicle, it is recommended to verify compatibility using your vehicle's make, model, and trim level.

Known Compatible Vehicles:

- **Nissan Altima:** 1998-2019
- **Nissan Frontier:** 1998-2011
- **Nissan Maxima:** 2003-2011, 2016-2019
- **Nissan Pathfinder:** 2013-2019
- **Nissan Pickup:** 1993-1994
- **Nissan Quest:** 2004-2009
- **Nissan Sentra:** 1991-1994, 2013-2019
- **Nissan Versa Note:** 2014-2019
- **Nissan Versa:** 2014-2019
- **Nissan Xterra:** 2000-2004

Note: This list is not exhaustive. Always confirm fitment for your specific vehicle.

INSTALLATION

Replacing your engine coolant reservoir cap is a straightforward process. Ensure the engine is cool before proceeding to avoid injury from hot coolant or steam.

1. **Locate the Coolant Reservoir:** Identify the engine coolant reservoir in your vehicle's engine bay. It is typically a translucent plastic tank.
2. **Remove the Old Cap:** Carefully twist the old cap counter-clockwise to remove it. If the cap is tethered, detach it from the reservoir neck if necessary.
3. **Inspect the Reservoir Neck:** Check the threads and sealing surface of the reservoir neck for any damage or debris. Clean if necessary.
4. **Install the New Cap:** Place the Dorman 54245 cap onto the reservoir neck. Twist clockwise until it is securely tightened. Do not overtighten.
5. **Secure Tether (if applicable):** If your new cap includes a tether, ensure it is properly attached to prevent loss.



Image 2: Side view of the Dorman 54245 Engine Coolant Cap, showing the cap with its extended tether. This view highlights the design of the cap and its attachment mechanism.

OPERATING

Once installed, the Dorman 54245 Engine Coolant Cap operates automatically as part of your vehicle's cooling system. Its primary function is to maintain the correct pressure within the coolant reservoir, which is crucial for the efficient operation of the cooling system and to prevent coolant boil-over.

Ensure the cap is always securely fastened before operating the vehicle. A loose or improperly sealed cap can lead to coolant loss and engine overheating.

MAINTENANCE

The Dorman 54245 Engine Coolant Cap requires minimal maintenance. Regular inspection is recommended to ensure its continued effectiveness.

- **Visual Inspection:** Periodically check the cap for any signs of cracks, damage, or wear on the sealing gasket.
- **Cleanliness:** Ensure the cap and the reservoir neck are free from dirt, debris, or coolant residue that could compromise the seal.
- **Secure Fit:** Confirm the cap is always securely tightened after any inspection or coolant level check.

Note: If any damage is observed, replace the cap immediately to prevent cooling system issues.

TROUBLESHOOTING

While the Dorman 54245 Engine Coolant Cap is designed for reliable performance, certain issues may arise. Here are common problems and their potential solutions:

Problem	Possible Cause	Solution
Coolant Leakage from Cap	Cap not tightened properly; Damaged cap gasket; Incorrect cap for vehicle.	Ensure cap is fully tightened. Inspect gasket for damage and replace cap if necessary. Verify cap compatibility with your vehicle.
Cap is Difficult to Remove/Install	Cross-threaded; Debris in threads; Swelling of plastic.	Ensure proper alignment when twisting. Clean threads on reservoir. If persistent, the cap or reservoir neck may be damaged and require replacement.
Engine Overheating (after cap replacement)	Cap not sealing properly, leading to pressure loss; Air in cooling system.	Check cap for secure fit and damage. Bleed air from cooling system if necessary (consult vehicle service manual). If problem persists, consult a qualified mechanic.

SPECIFICATIONS

Attribute	Detail
Brand	Dorman
Model	54245
Color	Black
Exterior Finish	Machined

Attribute	Detail
Item Dimensions (L x W x H)	2.13 x 2.09 x 1.1 inches
Item Weight	0.317 ounces
Closure Type	Twist-On
Country of Origin	China
OEM Part Numbers	21712-1HS3A; 217124BA0A; 2171279900; 21712S3800; 21712ZN50A
UPC	037495889346

WARRANTY & SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Dorman Products website or contact their customer service directly. Dorman provides solutions engineered to save time and money, and increase convenience and reliability.

You can visit the Dorman Store for more information: [Dorman Official Store](#)

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This manual is for informational purposes only. Always consult a qualified mechanic for complex automotive repairs.