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› Dayco 80413 Molded Coolant Hose Instruction Manual

Dayco 80413

Dayco 80413 Molded Coolant Hose Instruction Manual

Model: 80413 | Brand: Dayco

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Dayco 80413 Molded Coolant Hose. Please read these instructions carefully before proceeding with installation or use to ensure optimal performance and safety.

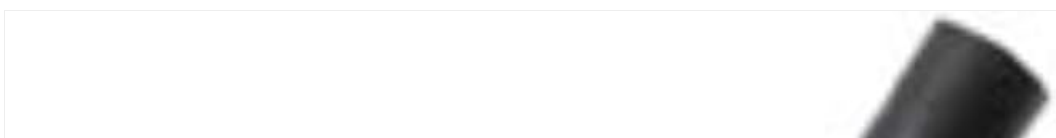
2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle's cooling system. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- Ensure the engine is completely cool before attempting any work on the cooling system. Hot coolant can cause severe burns.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Refer to your vehicle's specific service manual for detailed instructions and torque specifications.
- Dispose of old coolant responsibly according to local regulations.
- Keep children and pets away from the work area.

3. PRODUCT OVERVIEW

The Dayco 80413 Molded Coolant Hose is engineered for optimal performance and durability within your vehicle's cooling system. It is crafted from stainless steel material for corrosion resistance and strength, ensuring a precise fit to properly deliver coolant and prevent leaks. This heavy-duty hose is built to handle high coolant flow and pressure, featuring an internal bladder for reliable sealing.





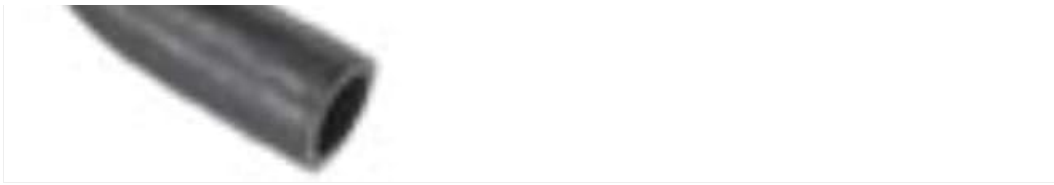


Figure 1: Dayco 80413 Molded Coolant Hose. This image shows the black, molded coolant hose with its specific bends and connection points.

4. INSTALLATION

Installation of the Dayco 80413 Molded Coolant Hose requires careful attention to detail. Always consult your vehicle's specific service manual for the most accurate and detailed installation procedures. The following steps provide a general overview:

1. **Preparation:** Ensure the engine is cool. Place a drain pan under the radiator and open the drain cock to drain the coolant.
2. **Remove Old Hose:** Loosen the clamps securing the old coolant hose. Carefully remove the old hose, being mindful of any remaining coolant.
3. **Clean Connection Points:** Clean any residue or corrosion from the thermostat housing and radiator connections where the new hose will attach.
4. **Install New Hose:** Position the new Dayco 80413 hose, ensuring it aligns correctly with the connection points. Secure the hose with new or properly functioning clamps.
5. **Refill Coolant:** Close the radiator drain cock. Refill the cooling system with the manufacturer-recommended coolant.
6. **Bleed Air:** Start the engine and allow it to reach operating temperature with the heater on full. Monitor the coolant level and add more as needed to bleed air from the system.
7. **Inspect for Leaks:** After the engine has cooled, recheck the coolant level and inspect all connections for leaks.

Your browser does not support the video tag.

Video 1: This video demonstrates the installation process for an engine coolant recovery tank hose, showing how to connect the hose to the coolant housing and secure it. Note: The hose shown in the video is a similar product (GM Genuine Parts 13251447) and serves as a general guide for installation steps.

5. OPERATING PRINCIPLES

The Dayco 80413 Molded Coolant Hose is a critical component of your vehicle's engine cooling system. Its primary function is to transport coolant between the engine and the radiator, facilitating heat exchange to maintain optimal engine operating temperature. The molded design ensures a precise fit and proper routing, preventing kinks and maintaining consistent coolant flow under various engine conditions.

6. MAINTENANCE

Regular inspection and maintenance of your coolant hose are crucial for the longevity and efficiency of your vehicle's cooling system.

- **Visual Inspection:** Periodically inspect the hose for signs of wear, cracks, bulges, hardening, or softness. Check for any leaks around the clamps or hose body.
- **Clamp Tightness:** Ensure all hose clamps are securely tightened. Over-tightening can damage the hose, while loose clamps can lead to leaks.
- **Coolant Level:** Regularly check the coolant level in the reservoir and radiator. A consistently low

level may indicate a leak.

- **Replacement:** Coolant hoses typically have a lifespan and should be replaced as part of routine maintenance, even if they appear to be in good condition. Consult your vehicle's service manual for recommended replacement intervals.

7. TROUBLESHOOTING

If you experience issues with your cooling system, consider the following common problems related to coolant hoses:

Problem	Possible Cause	Solution
Coolant Leak	Loose clamps, damaged hose, cracked connection point.	Tighten clamps, replace hose, inspect and replace damaged components.
Engine Overheating	Blocked hose, low coolant level due to leak, air in system.	Inspect hose for blockages, check for leaks, bleed air from system.
Hose Swelling/Bulging	Internal damage, excessive pressure, age-related wear.	Replace the hose immediately.

If you are unable to diagnose or resolve an issue, it is recommended to consult a qualified automotive technician.

8. SPECIFICATIONS

Brand: Dayco

Model Number: 80413

Material: Stainless Steel *(Note: Product data indicates Stainless Steel, but coolant hoses are typically made of rubber or silicone compounds.)*

Color: Stainless Steel *(Note: Product data indicates Stainless Steel, but coolant hoses are typically black.)*

Item Weight: 7.2 ounces

Product Dimensions: 18.3 x 4.4 x 1 inches

UPC: 038244148134

OEM Part Number: 80413

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Dayco 80413 Molded Coolant Hose, please refer to the official Dayco website or contact their customer service department. Keep your purchase receipt as proof of purchase.