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› Dorman 624-722 Automatic Transmission Oil Cooler Hose Assembly User Manual

Dorman 624-722

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Model: 624-722

PRODUCT OVERVIEW

This Dorman 624-722 Automatic Transmission Oil Cooler Hose Assembly is engineered as a direct replacement for the original equipment assembly. It is designed to restore proper transmission cooling by replacing leaking or damaged lines. This assembly is constructed from durable materials to ensure reliable performance and a long service life.

Compatibility: This part is compatible with specific Chevrolet and GMC models. Please verify fitment for your vehicle using the manufacturer's compatibility tools.

- Chevrolet C4500 Kodiak: 2004, 2005, 2006, 2007
- Chevrolet C5500 Kodiak: 2004, 2005, 2006, 2007
- GMC C4500 Topkick: 2004, 2005, 2006, 2007
- GMC C5500 Topkick: 2004, 2005, 2006, 2007



Image 1: The Dorman 624-722 Automatic Transmission Oil Cooler Hose Assembly. This image shows the complete hose assembly, including the metal lines and the flexible hose section, designed for direct replacement.

WHAT'S INCLUDED

The package contains the following components:

- 1 x Dorman 624-722 Automatic Transmission Oil Cooler Hose Assembly

SETUP AND INSTALLATION

This assembly is designed for direct replacement. Professional installation is recommended. Always refer to your vehicle's service manual for specific removal and installation procedures.

1. **Preparation:** Ensure the vehicle is safely lifted and supported. Allow the transmission and engine to cool down. Place a drain pan underneath the transmission cooler lines to catch any fluid.
2. **Fluid Drainage:** Disconnect the existing transmission cooler lines and allow the transmission fluid to drain.
3. **Removal of Old Assembly:** Carefully remove the old transmission oil cooler hose assembly, noting the routing and connection points.
4. **Installation of New Assembly:** Install the new Dorman 624-722 assembly, ensuring all connections are secure and properly torqued according to manufacturer specifications. Verify correct routing to prevent kinking or rubbing.
5. **Fluid Refill:** Refill the transmission with the appropriate type and amount of transmission fluid as specified by your vehicle manufacturer.
6. **Leak Check:** Start the engine and check for any leaks around the newly installed lines. Monitor fluid levels.



Image 2: Another view of the Dorman 624-722 Automatic Transmission Oil Cooler Hose Assembly. This angle highlights the bends and connections, which are crucial for proper fitment and routing within the vehicle's engine bay.



Image 3: Close-up of one end of the Dorman 624-722 hose assembly. This image details the fitting and sealing ring, which are critical for a leak-free connection to the transmission or cooler.



Image 4: Close-up of the other end of the Dorman 624-722 hose assembly. This view shows the specific design of the connection point, ensuring compatibility and a secure fit with the vehicle's transmission cooling system.

OPERATING CONSIDERATIONS

Once installed, the transmission oil cooler hose assembly operates continuously as part of your vehicle's automatic transmission cooling system. Its primary function is to circulate transmission fluid to and from the cooler, maintaining optimal operating temperatures.

- **Fluid Temperature Regulation:** The assembly ensures efficient heat exchange, preventing the transmission fluid from overheating, which can lead to premature transmission wear.
- **Fluid Flow:** Proper installation ensures unrestricted flow of transmission fluid, vital for lubrication and cooling.

MAINTENANCE

Regular inspection of the transmission oil cooler hose assembly is crucial for preventing potential issues. While the assembly itself requires minimal maintenance, its performance is directly tied to the overall health of your vehicle's transmission system.

- **Visual Inspection:** Periodically inspect the hose assembly for signs of wear, cracks, leaks, or corrosion. Pay close attention to the connection points and any areas where the hose might rub against other components.
- **Fluid Level Check:** Regularly check your transmission fluid level according to your vehicle manufacturer's recommendations. Low fluid levels can indicate a leak in the system, including the cooler lines.
- **Fluid Quality:** Ensure transmission fluid is clean and free from debris. Contaminated fluid can accelerate wear on transmission components and lines.
- **Cleaning:** Keep the exterior of the lines clean from excessive dirt or grime, which can obscure potential issues.

TROUBLESHOOTING

If you experience issues related to your transmission cooling system after installation, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Transmission Fluid Leak	Loose connections, damaged O-rings/seals, kinked line, manufacturing defect.	Tighten connections, replace O-rings/seals, inspect line for damage. If new part is defective, contact supplier.
Transmission Overheating	Low transmission fluid, restricted flow in lines, faulty transmission cooler, incorrect fluid type.	Check and top off fluid, inspect lines for kinks/blockages, check cooler, ensure correct fluid.
Unusual Noises from Lines	Vibration due to improper mounting, rubbing against other components.	Ensure lines are securely mounted and not touching other parts. Adjust routing if necessary.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified automotive technician.

SPECIFICATIONS

Attribute	Detail
Manufacturer	Dorman Products
Brand	Dorman
Model Number	624-722
Item Weight	2.28 pounds
Product Dimensions	6.69 x 12.59 x 74.8 inches
OEM Part Number	15815536
First Available Date	July 2, 2020

TRANSMISSION LINES

Every Dorman transmission line design goes through a dozen validation tests to help ensure reliability.

CORROSION
TESTING

BURST
TESTING

DIMENSIONAL
SCANNING

TENSILE
TESTING

DORMAN

Image 5: Dorman's transmission line testing processes. This image illustrates the rigorous validation tests, including corrosion testing, burst testing, dimensional scanning, and tensile testing, that Dorman transmission lines undergo to ensure reliability and durability.

SUPPORT AND CONTACT

Dorman is committed to providing quality automotive replacement parts. For over a century, Dorman has been developing solutions for the automotive aftermarket, backed by a team of product experts in the United States.

If you have questions regarding the Dorman 624-722 Automatic Transmission Oil Cooler Hose Assembly, or require technical assistance, please visit the official Dorman website or contact their customer support. Refer to the packaging or the official Dorman website for the most current contact information.

Online Resources: [Dorman Products Official Website](#)

