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› [Dorman](#) /

› Dorman 800-608 Transmission Line Connector User Manual

Dorman 800-608

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Model: 800-608

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Dorman 800-608 Transmission Line Connector. This component is designed to replace a damaged original equipment connector, ensuring leak-free performance between the transmission and the oil cooler. Please read this manual thoroughly before proceeding with installation.

2. SAFETY INFORMATION

Always observe the following safety precautions when working on your vehicle:

- Ensure the vehicle is securely supported on jack stands or a lift before working underneath.
- Allow the engine and transmission to cool down completely before beginning work to prevent burns from hot fluids or components.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Disconnect the vehicle's battery to prevent accidental electrical shorts.
- Be aware of potential fluid leaks. Have absorbent materials ready.
- If you are unsure about any step, consult a qualified automotive technician.

3. PRODUCT OVERVIEW

The Dorman 800-608 is a direct-fit replacement transmission line connector. It features a 5/16 inch tube connection on one end and a 1/4-18 inch thread on the other, designed for specific vehicle applications.



Figure 1: Angled view of the Dorman 800-608 Transmission Line Connector. This image shows the hexagonal body for wrenching, the threaded end with sealant, and the tube insertion end.



Figure 2: Side view of the Dorman 800-608 Transmission Line Connector. This image highlights the full length of the connector, detailing the threaded section and the tube connection point.

4. INSTALLATION INSTRUCTIONS

Follow these steps for proper installation of the Dorman 800-608 Transmission Line Connector:

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Allow the engine and transmission to cool. Raise the vehicle safely using a lift or jack stands.
2. **Locate the Original Connector:** Identify the transmission oil cooler line connector that requires replacement. It typically connects the transmission line to the oil cooler or a related component.
3. **Drain Transmission Fluid (if necessary):** Depending on the location of the connector, some transmission fluid may drain when the old connector is removed. Have a drain pan ready.
4. **Remove Old Connector:** Carefully disconnect the transmission line from the old connector. Use an appropriate wrench to unscrew and remove the old connector from its housing. Be mindful of any O-rings or seals that may be present.
5. **Inspect and Clean:** Inspect the mating surfaces for any debris, corrosion, or damage. Clean the area thoroughly to ensure a proper seal with the new connector.
6. **Install New Connector:** Apply a small amount of thread sealant (if not pre-applied on the connector) to the threaded end of the Dorman 800-608 connector. Carefully thread the new connector into its housing by hand to prevent cross-threading.
7. **Tighten Connector:** Using an appropriate wrench, tighten the connector to the manufacturer's specified torque. **Do not overtighten**, as this can damage the threads or the connector.
8. **Connect Transmission Line:** Reconnect the transmission line to the new Dorman 800-608 connector. Ensure the line is fully seated and secured.
9. **Refill/Check Fluid Level:** If fluid was drained, refill the transmission fluid to the correct level according to the vehicle manufacturer's specifications. Even if no fluid was drained, check the fluid level after installation.
10. **Test for Leaks:** Start the engine and allow it to reach operating temperature. Carefully inspect the newly installed connector and surrounding area for any signs of fluid leaks. If leaks are detected, shut off the engine immediately.

and re-check the installation.

11. **Final Check:** Once confirmed leak-free, lower the vehicle and perform a final check of the transmission fluid level.

5. OPERATION AND VERIFICATION

The Dorman 800-608 connector functions passively to ensure a sealed connection for the transmission oil cooler line. Proper operation is verified by the absence of fluid leaks after installation and during vehicle use. Regularly inspect the connection point during routine vehicle maintenance.

6. MAINTENANCE

This transmission line connector is designed for long-term, maintenance-free operation once properly installed. Periodically inspect the connection point for any signs of wear, corrosion, or fluid leaks, especially during routine oil changes or other under-vehicle inspections. If any issues are observed, address them promptly.

7. TROUBLESHOOTING

If you encounter issues after installing the Dorman 800-608 connector, consider the following:

- **Fluid Leak at Connection:**
 - Ensure the connector is tightened to the correct torque specification.
 - Verify that the transmission line is fully seated and secured into the connector.
 - Check for any damage to the transmission line or the connector itself that might prevent a proper seal.
 - Confirm that the mating surfaces were clean and free of debris before installation.
- **Difficulty Installing:**
 - Ensure you have the correct part for your vehicle. Refer to the compatibility list.
 - Check for cross-threading when installing the threaded end. Always start threading by hand.

8. SPECIFICATIONS

Attribute	Detail
Part Number	800-608
Brand	Dorman
Tube Size	5/16 inch
Thread Size	1/4-18 inch
Material	Quality materials (as per manufacturer description)
Item Weight	0.8 ounces
Product Dimensions	0.6 x 0.4 x 0.3 inches
OEM Part Numbers	4219; E1DZ 7D273-A; E6VY 7D273-A

9. VEHICLE COMPATIBILITY

This Dorman 800-608 Transmission Line Connector is compatible with the following vehicles. Always verify fitment for your specific make, model, and trim level before purchase and installation.

- **Ford:** Escort (1990), Fairmont (1983), LTD (1982, 1983), Mustang (1983), Taurus (1990), Tempo (1990-1994), Thunderbird (1983)
- **Lincoln:** Continental (1982-1985, 1990), Mark VI (1982, 1983), Mark VII (1984, 1985), Town Car (1982, 1983)
- **Mercury:** Capri (1983), Cougar (1983), Grand Marquis (1982, 1983), Marquis (1982, 1983), Sable (1990), Topaz (1990-1994), Zephyr (1983)
- **Merkur:** XR4Ti (1985-1989)

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Dorman 800-608 Transmission Line Connector, please refer to the official Dorman website or contact Dorman customer service directly. Keep your purchase receipt for warranty claims.

Dorman Products: www.dormanproducts.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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