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› Dorman 819-821 Front Flexible Stainless Steel Braided Fuel Line Installation and Maintenance Manual

Dorman 819-821

Dorman 819-821 Front Flexible Stainless Steel Braided Fuel Line Manual

Model: 819-821 | Brand: Dorman

1. INTRODUCTION

This manual provides essential information for the installation, maintenance, and general understanding of the Dorman 819-821 Front Flexible Stainless Steel Braided Fuel Line. This product is designed as an OE FIX solution to replace original-style hard fuel lines, offering improved flexibility and durability.



Image 1.1: Dorman 819-821 Flexible Stainless Steel Braided Fuel Line Kit, showing two fuel lines and mounting clamps.

The Dorman 819-821 fuel lines are constructed from braided stainless steel over flexible PTFE tubing, engineered for specific vehicle models. They include necessary brackets and factory connectors to facilitate a straightforward installation process.

2. VEHICLE COMPATIBILITY

This Dorman 819-821 fuel line kit is compatible with select Cadillac, Chevrolet, and GMC models. It is crucial to verify

fitment for your specific vehicle before installation.

Compatible Models:

- **Cadillac:** Escalade (2004-2006), Escalade ESV (2004-2006), Escalade EXT (2004-2006)
- **Chevrolet:** Avalanche 1500 (2004-2006), Silverado 1500 (2004-2006), Silverado 1500 Classic (2007), Silverado 1500 HD (2005-2006), Silverado 1500 HD Classic (2007), Suburban 1500 (2004-2006), Tahoe (2004-2006)
- **GMC:** Sierra 1500 Classic (2007), Sierra 1500 HD Classic (2007), Yukon (2004-2006), Yukon XL 1500 (2004-2006)

Important: Always confirm fitment using a vehicle compatibility tool or by consulting your vehicle's service manual to ensure this part is correct for your specific make, model, and trim level.

3. WHAT'S IN THE BOX

The Dorman 819-821 kit includes the following components:

- 1 Flexible Fuel Line Kit (consisting of two braided stainless steel and PTFE flexible fuel lines)
- Associated brackets and connectors for installation



Image 3.1: Included mounting clamps and bolts for securing the fuel lines.

4. INSTALLATION GUIDELINES

Installation of fuel system components should be performed by a qualified technician. Always follow proper safety procedures and consult your vehicle's service manual for specific instructions.

4.1 Safety Precautions

- Ensure the vehicle is cooled down and disconnected from its battery before beginning work.

- Relieve fuel system pressure according to the vehicle manufacturer's specifications.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Work in a well-ventilated area and have a fire extinguisher readily available.
- Be aware of potential fuel spills and have absorbent materials on hand.

4.2 Installation Steps (General)

1. **Preparation:** Safely lift and support the vehicle. Locate the existing fuel lines that require replacement.
2. **Removal:** Carefully disconnect and remove the old fuel lines. Be mindful of residual fuel.
3. **Routing:** The Dorman 819-821 lines are flexible, making them easier to route than rigid lines. Route the new lines along the original path, ensuring they are not kinked, pinched, or in contact with hot or moving parts.
4. **Connection:** Connect the new fuel lines using the provided factory-style connectors. Ensure all connections are secure and properly seated.
5. **Securing:** Use the included brackets and clamps to secure the fuel lines to the vehicle's chassis, preventing movement and abrasion.
6. **Inspection:** After installation, visually inspect all connections for leaks.
7. **Testing:** Reconnect the battery and prime the fuel system (refer to vehicle service manual). Start the engine and re-check for any leaks before operating the vehicle.



PROBLEM:

Replacing a corroded fuel line is often a frustrating job. Original equipment fuel lines can be difficult to re-route under the vehicle.



FIX:

This Dorman OE FIX fuel line is flexible stainless steel, cut to the full length of the original on specific vehicles, with connectors for the easiest possible installation.



Image 4.1: Illustrates the common issue of corroded original fuel lines and the Dorman OE FIX flexible solution.



Image 4.2: Demonstrates the advantage of flexible fuel lines for easier routing compared to rigid, pre-formed lines.

5. SPECIFICATIONS

Feature	Detail
Brand	Dorman
Model Number	819-821
Material	PTFE, Stainless Steel
Color	Silver
Item Weight	2 Pounds
Maximum Pressure	75 Pound per Square Inch
Nominal Wall Thickness	0.035 inches
UPC	194883121942
Product Dimensions	2.62 x 12 x 12 inches

6. MAINTENANCE

Regular inspection of your fuel lines is recommended to ensure continued safe operation and prevent potential issues.

- **Visual Inspection:** Periodically check the fuel lines for any signs of wear, abrasion, kinking, or damage. Look for discoloration, cracks, or bulges in the line.
- **Leak Detection:** Inspect all connections for any signs of fuel leakage. A faint fuel odor or visible wetness around fittings indicates a potential leak. Address any leaks immediately.

- **Secure Mounting:** Ensure all mounting clamps and brackets are tight and securely holding the fuel lines in place. Loose lines can vibrate, leading to abrasion and premature failure.
- **Cleaning:** Keep the exterior of the fuel lines clean from dirt, debris, and corrosive substances.

7. TROUBLESHOOTING

This section addresses common issues that may arise with fuel line installation or performance.

7.1 Fuel Leaks

- **Cause:** Improperly tightened connections, damaged O-rings, or incorrect line routing causing abrasion.
- **Solution:** Carefully re-check all connections for proper torque. Inspect O-rings and fittings for damage and replace if necessary. Ensure lines are routed without kinks or contact with sharp edges.

7.2 Incorrect Fitment

- **Cause:** Product ordered for an incompatible vehicle configuration (e.g., standard cab vs. extended cab).
- **Solution:** Double-check the vehicle compatibility section (Section 2) and verify your vehicle's specific trim and cab configuration against the product's intended fitment. If the lines are too short or too long, they may not be the correct part for your vehicle.

7.3 Restricted Fuel Flow

- **Cause:** Kinked lines during installation or internal blockage.
- **Solution:** Inspect the entire length of the fuel line for any severe bends or kinks that could impede fuel flow. If a blockage is suspected and cannot be cleared, the line may need replacement.

8. WARRANTY AND SUPPORT

Dorman products are engineered for quality and reliability. For specific warranty information or technical support, please refer to the official Dorman website or contact Dorman customer service directly. Dorman has over 100 years of experience in the automotive aftermarket, providing solutions for vehicle owners and professionals.

For further assistance, visit the [Dorman Store on Amazon](#) or the official Dorman website.

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

Details

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