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› Dorman 918-491 Engine Oil Cooler Instruction Manual

Dorman 918-491

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1. PRODUCT OVERVIEW

The Dorman 918-491 Engine Oil Cooler is a direct replacement component engineered to match the fit and function of the original equipment cooler on specific Ford and Lincoln vehicles. Its primary purpose is to help maintain the engine's optimal oil temperature, which is crucial for engine longevity and performance. This unit is designed to replace coolers that have failed due to common issues such as heat, corrosion, or physical damage.

Key Features:

- **Direct replacement:** Designed to match the fit and function of an original equipment cooler on specified vehicles.
- **Ideal solution:** Engineered to help maintain proper engine oil temperature when an original cooler has failed.
- **Durable construction:** Manufactured to strict specifications for reliable performance.
- **Trustworthy quality:** Backed by a team of product experts with extensive automotive experience.

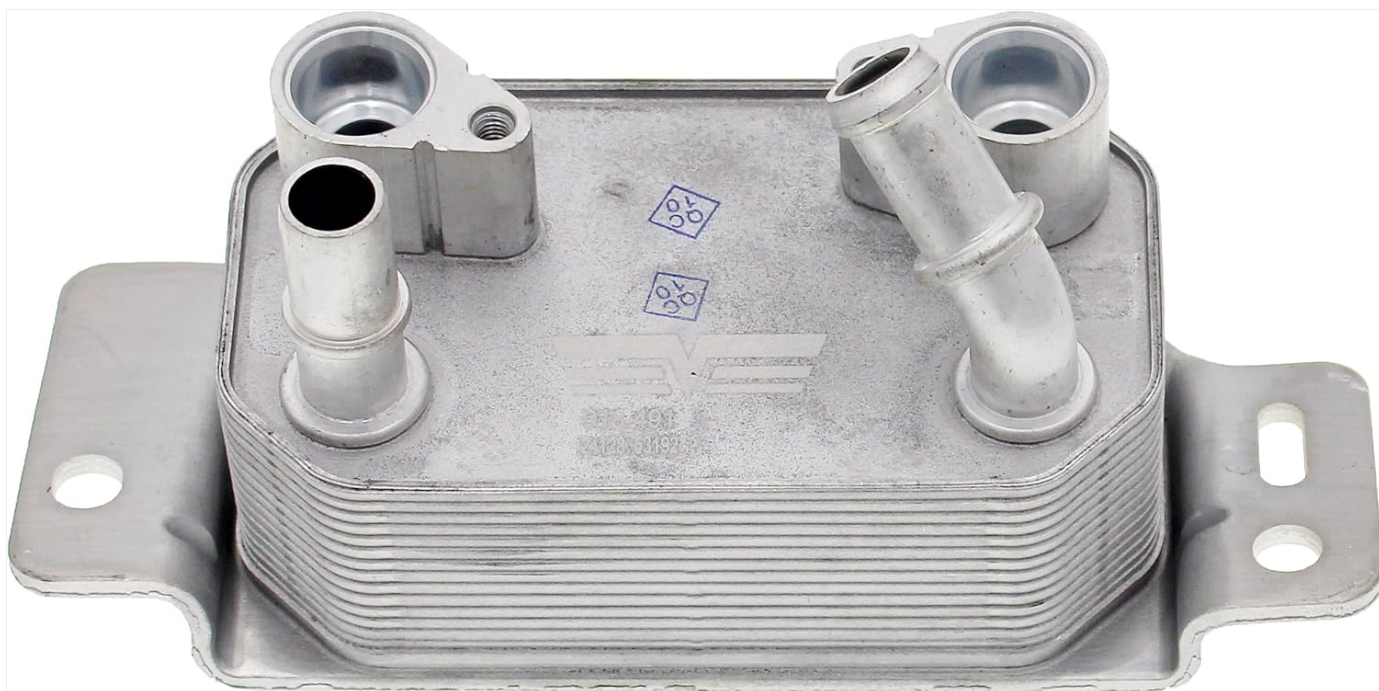


Image 1.1: Top view of the Dorman 918-491 Engine Oil Cooler, showing inlet and outlet ports.

2. VEHICLE COMPATIBILITY

This engine oil cooler is compatible with the following vehicle models. Always verify fitment using your vehicle's specific year, make, and model before purchase and installation.

- **Ford Escape:** 2017, 2018, 2019
- **Lincoln MKC:** 2017, 2018, 2019

3. INSTALLATION GUIDELINES

3.1. Contents of Packaging:

- 1 Engine Oil Cooler (Dorman 918-491)

3.2. General Installation Advice:

Installation of automotive components, especially those related to engine cooling systems, requires specialized tools and knowledge. It is highly recommended that this engine oil cooler be installed by a qualified automotive technician. Improper installation can lead to vehicle damage or personal injury.

3.3. Before Installation:

- Ensure the engine is cool and the vehicle is safely supported on a level surface.
- Drain the engine oil and coolant as per vehicle manufacturer specifications.
- Inspect surrounding components for any signs of damage or wear that may affect the new cooler's performance.
- Gather all necessary tools and replacement fluids.

3.4. Installation Steps (General):

1. Carefully remove the old engine oil cooler, noting the orientation and connections of all hoses and mounting points.
2. Clean the mounting surface thoroughly to ensure a proper seal for the new cooler.
3. Install the new Dorman 918-491 Engine Oil Cooler, ensuring all connections are secure and torqued to vehicle manufacturer specifications.
4. Reconnect all hoses and lines, ensuring they are properly routed and secured.
5. Refill engine oil and coolant to appropriate levels according to vehicle manufacturer guidelines.
6. Start the engine and allow it to reach operating temperature. Carefully check for any signs of oil or coolant leaks.
7. Monitor engine oil temperature and coolant levels during initial operation and subsequent drives.

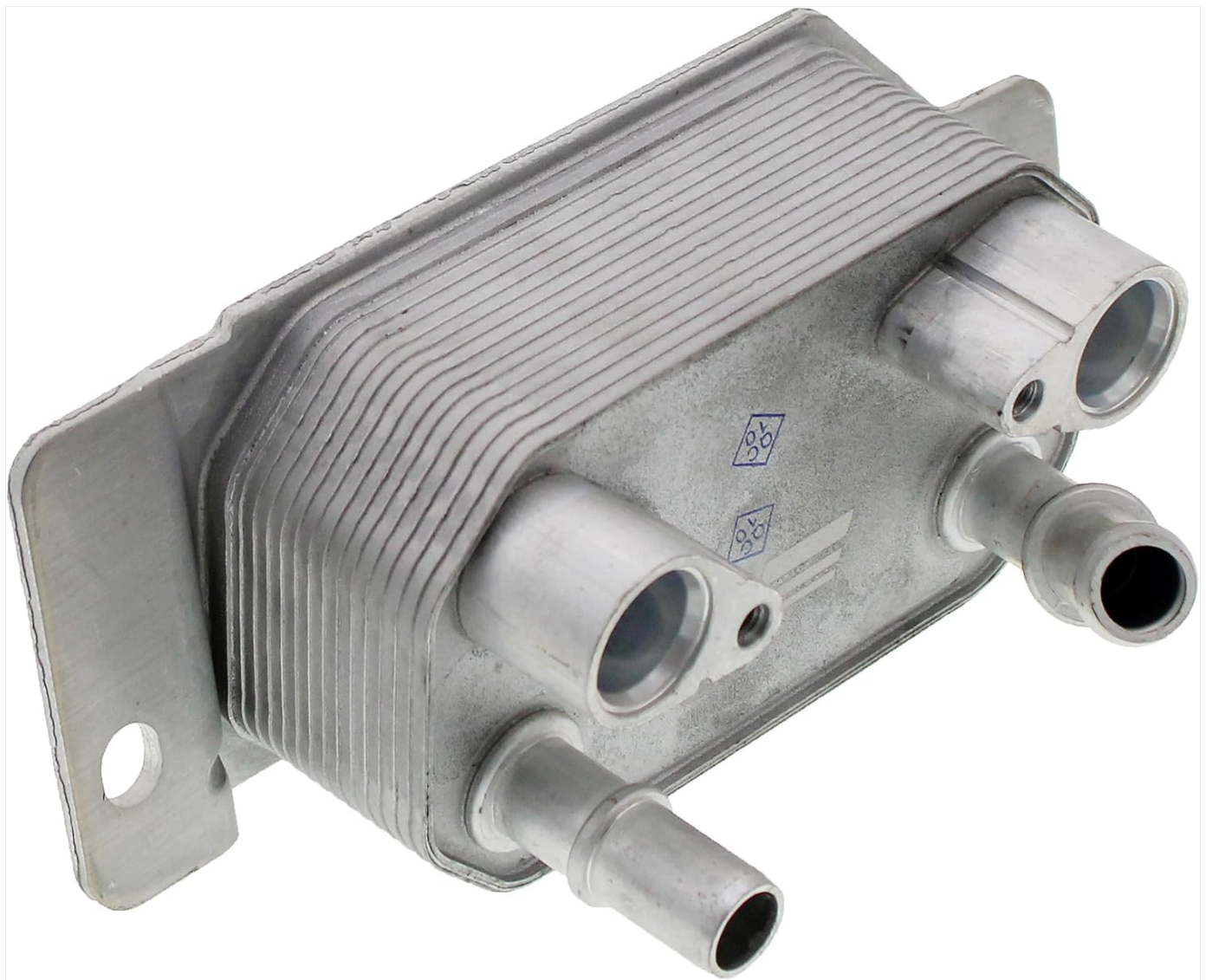


Image 3.1: Angled view of the Dorman 918-491 Engine Oil Cooler, highlighting connection points.

4. OPERATION

The engine oil cooler functions by transferring excess heat from the engine oil to the engine coolant. This process helps maintain the engine oil within its optimal operating temperature range, preventing overheating and degradation of the oil. Maintaining proper oil temperature is vital for effective engine lubrication, protection against wear, and overall engine efficiency.

5. MAINTENANCE

Regular maintenance of your vehicle's cooling system and engine oil is essential for the longevity of the engine oil cooler and overall engine health. Adhere to your vehicle manufacturer's recommended service intervals.

- **Oil Changes:** Adhere to the vehicle manufacturer's recommended oil change intervals using the specified oil type and viscosity.
- **Coolant Checks:** Regularly inspect coolant levels and condition. Replace coolant according to the vehicle manufacturer's schedule to ensure efficient heat transfer.
- **Leak Inspection:** Periodically check the engine oil cooler and its connections for any signs of oil or coolant leaks. Address any leaks promptly.
- **System Cleanliness:** Ensure the exterior of the cooler is free from debris, dirt, or corrosion that could impede heat transfer.

6. TROUBLESHOOTING

If you suspect an issue with your engine oil cooler, consider the following common symptoms and potential causes:

- **Engine Overheating:** Can indicate a restricted oil cooler, a blockage in the cooling system, or other cooling system component failures.
- **Oil Leaks:** May be due to loose connections, damaged seals, a cracked cooler housing, or improper installation.
- **Coolant in Oil / Oil in Coolant:**A severe issue often caused by an internal failure of the oil cooler, leading to mixing of fluids. This requires immediate attention and professional diagnosis.
- **Reduced Oil Pressure:** Can sometimes be related to internal cooler issues, though other engine problems are more common causes.

For any persistent issues or concerns, it is strongly recommended to consult a certified automotive technician for proper diagnosis and repair.

7. SPECIFICATIONS

Attribute	Detail
Brand	Dorman
Model Number	918-491
Item Weight	1.9 pounds
Product Dimensions	9.76 x 5.9 x 4.92 inches
Manufacturer Part Number	918-491
OEM Part Number	F1FZ7A095D
Date First Available	October 25, 2024

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Dorman 918-491 Engine Oil Cooler, please refer to the documentation provided with your purchase or visit the official Dorman website. Dorman products are backed by a team of product experts dedicated to quality and customer satisfaction.

If you require technical assistance, have questions about this product, or need to report an issue, please contact Dorman customer support directly through their official channels.

[Visit the Dorman Store on Amazon](#)

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Question

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

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

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