

Dorman 258-522

Dorman 258-522 Air Filter Housing Instruction Manual

Model: 258-522 | Brand: Dorman

1. INTRODUCTION AND OVERVIEW

The Dorman 258-522 Air Filter Housing is a direct replacement component designed to house the air filter in your vehicle's engine air intake system. This critical component protects the engine from harmful contaminants by ensuring that only clean, filtered air enters the combustion chamber. A properly functioning air filter housing is essential for maintaining engine performance, fuel efficiency, and longevity.

This manual provides essential information regarding the features, installation, maintenance, and specifications of the Dorman 258-522 Air Filter Housing.

2. PRODUCT FEATURES

- **Air Filter Housing:** A complete assembly designed to securely hold the air filter.
- **Designed to Meet or Exceed Original Part Specifications:** Engineered for reliable performance and durability, matching the form, fit, and function of the factory part.
- **Precise Fit and Original Replacement:** Ensures a seamless installation and proper integration with your vehicle's existing systems.
- **Fits Various Makes and Models:** Compatible with a range of vehicle applications (always verify fitment before purchase).
- **Carefully Check Vehicle Fitment Before Purchase:** It is crucial to confirm compatibility with your specific vehicle year, make, and model to ensure correct application.

3. INSTALLATION AND SETUP

Installation of the Dorman 258-522 Air Filter Housing typically involves replacing the existing housing. While this component is designed for a direct fit, professional installation is recommended to ensure proper sealing and connection.

to the vehicle's air intake system. Incorrect installation can lead to unfiltered air entering the engine, causing damage.

General Installation Steps (Consult a service manual for specific vehicle instructions):

1. **Safety First:** Ensure the vehicle is turned off, the engine is cool, and the battery is disconnected before beginning any work.
2. **Locate Existing Housing:** Identify the current air filter housing in your vehicle's engine bay.
3. **Disconnect Components:** Carefully disconnect any hoses, sensors, or clamps attached to the old air filter housing.
4. **Remove Old Housing:** Unbolt or unclip the old housing from its mounting points and remove it.
5. **Inspect Area:** Clean the mounting area and inspect surrounding components for any damage or wear.
6. **Install New Housing:** Position the Dorman 258-522 Air Filter Housing and secure it using the original mounting hardware.
7. **Reconnect Components:** Reattach all hoses, sensors, and clamps, ensuring they are securely fastened and sealed.
8. **Install Air Filter:** Insert a new, compatible air filter into the housing (if not already included).
9. **Final Checks:** Double-check all connections and ensure no tools or debris are left in the engine bay. Reconnect the battery.

Always refer to your vehicle's specific service manual for detailed, model-specific installation procedures.

4. OPERATION

The Dorman 258-522 Air Filter Housing operates passively as a containment unit for the engine's air filter. Its primary function is to provide a sealed environment for the air filter, ensuring that all incoming air passes through the filter element before reaching the engine. This prevents dust, dirt, pollen, and other airborne particles from entering the engine, which could otherwise cause premature wear and damage to internal components.

Proper operation relies on the housing being securely closed and all connections (such as intake hoses) being airtight to prevent unfiltered air bypass.

5. MAINTENANCE

Regular maintenance of the air filter housing is crucial for optimal engine performance and longevity. While the housing itself typically does not require extensive maintenance, the air filter it contains must be replaced periodically.

Maintenance Recommendations:

- **Air Filter Replacement:** Follow your vehicle manufacturer's recommended service intervals for air filter replacement, typically every 15,000 to 30,000 miles, or more frequently in dusty conditions.
- **Housing Inspection:** During air filter replacement, inspect the Dorman 258-522 Air Filter Housing for any signs of cracks, damage, or loose connections. Ensure all clips and fasteners are secure and that the housing seals properly.
- **Cleaning:** If the housing interior is dirty, wipe it clean with a damp cloth. Avoid using harsh chemicals that could damage plastic components.

A clean and intact air filter housing ensures that the air filter can perform its job effectively, protecting your engine.

6. TROUBLESHOOTING

While the Dorman 258-522 Air Filter Housing is a durable component, issues can arise, often related to improper installation or damage over time. Here are some common issues and potential solutions:

Problem	Possible Cause	Solution
Engine running rough or reduced performance	Clogged air filter, unsealed housing, or damaged housing allowing unfiltered air.	Replace air filter. Inspect housing for cracks or loose connections. Ensure all clamps and hoses are secure.
Whistling or hissing sound from engine bay	Air leak around the housing or intake connections.	Check all connections, clamps, and seals for tightness. Inspect housing for cracks.
Check Engine Light (CEL) illuminated	Often related to Mass Air Flow (MAF) sensor issues due to unfiltered air or a vacuum leak.	Ensure MAF sensor is properly seated and connected. Check for air leaks in the intake system, including the housing. Consult a mechanic for diagnostic code reading.
Physical damage to housing (cracks, broken clips)	Impact, heat cycling, or age.	Replace the air filter housing. Damaged housing cannot effectively protect the engine.

If issues persist after performing these checks, it is advisable to consult a qualified automotive technician.

7. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Dorman
Item Model Number	258-522
Manufacturer Part Number	258-522
Original Part Number	ABF112; 17700-0A210
OEM Part Number	ABF112; 17700-0A210
Product Dimensions	35.89 x 25.73 x 37.8 cm
Item Weight	1.91 Kilograms
Date First Available	August 6, 2012
UPC	019495221159
Global Trade Item Number (GTIN)	00019495221159

8. PRODUCT IMAGES



Figure 1: Main view of the Dorman 258-522 Air Filter Housing. This image shows the overall shape and primary connections of the unit.



Figure 2: Front view of the air filter housing, highlighting the intake opening and mounting points.



Figure 3: Bottom view of the air filter housing, showing additional structural details and potential drainage points.

9. WARRANTY AND SUPPORT

Specific warranty information for the Dorman 258-522 Air Filter Housing is not provided in this document. For details regarding product warranty, returns, or technical support, please refer to the official Dorman website or contact Dorman customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For additional support or inquiries, you may visit the [Dorman Products official website](#).

ASK A QUESTION ABOUT THIS MANUAL

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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.

Submit question