Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

MAHLE LX 407

MAHLE LX 407 Air Filter User Manual

Model: LX 407

1. Product Overview

The MAHLE LX 407 Air Filter is a replacement component designed to ensure clean air intake for your vehicle's engine. This filter is engineered to meet or exceed original equipment specifications, providing optimal filtration performance.

Key Features:

- Single Quantity
- No Core Charge Required
- Weight: 0.72 lbs



Figure 1: Angled view of the MAHLE LX 407 Air Filter, showcasing its pleated filtration media and orange frame.

2. Installation Guide

This section provides general guidance for replacing an automotive air filter. Always consult your vehicle's specific service manual for detailed instructions and safety precautions, as procedures may vary by make and model.

2.1 Safety Precautions

- Ensure the vehicle's engine is turned off and cool before beginning any work.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Disconnect the negative terminal of the battery if instructed by your vehicle's manual.

2.2 Step-by-Step Replacement

1. **Locate the Air Filter Housing:** The air filter housing is typically a black plastic box located under the hood, connected to the engine's intake system.
2. **Open the Housing:** Depending on your vehicle, the housing may be secured with clips, screws, or a combination of both. Carefully unfasten these to open the housing.
3. **Remove the Old Filter:** Gently lift out the old air filter. Note its orientation for correct installation of the new filter.
4. **Inspect the Housing:** While the housing is open, inspect it for any debris, leaves, or dirt. Clean the housing if necessary.
5. **Insert the New Filter:** Place the MAHLE LX 407 Air Filter into the housing, ensuring it sits flush and is oriented correctly. The rubber gasket around the filter should create a tight seal.
6. **Secure the Housing:** Close the air filter housing and fasten all clips or screws securely. Ensure there are no gaps that could allow unfiltered air to enter the engine.
7. **Verify Installation:** Double-check all connections and ensure the housing is properly sealed.



Figure 2: Side profile of the MAHLE LX 407 Air Filter, showing the uniform pleating of the filtration media.

3. Function and Purpose

The primary function of the MAHLE LX 407 Air Filter is to prevent harmful contaminants, such as dirt, dust, pollen, and debris, from entering your vehicle's engine. By providing clean air, the filter helps maintain optimal engine performance, fuel efficiency, and extends the lifespan of engine components.
A clean air filter ensures a proper air-fuel mixture, which is crucial for efficient combustion and reduced emissions.



Figure 3: Top view of the MAHLE LX 407 Air Filter, illustrating the full surface area of the pleated filter material.

4. Maintenance

Regular inspection and timely replacement of your air filter are essential for maintaining engine health. The frequency of

replacement depends on driving conditions and manufacturer recommendations.

4.1 Inspection Schedule

- It is generally recommended to inspect your air filter every 12,000 to 15,000 miles or once a year, whichever comes first.
- For vehicles operated in dusty environments or areas with high pollution, more frequent inspections and replacements may be necessary.

4.2 How to Inspect

1. Remove the air filter as described in the "Installation Guide" section.
2. Hold the filter up to a light source. If you cannot see light passing through the filter media, it is likely clogged and needs replacement.
3. Check for excessive dirt, debris, oil saturation, or damage to the filter media or frame.

Note: Air filters are generally not designed to be cleaned and reused. Attempting to clean a dirty air filter can damage the filtration media and reduce its effectiveness.



Figure 4: Another angled perspective of the MAHLE LX 407 Air Filter, highlighting its robust construction and pleated design.

5. Troubleshooting / When to Replace

A clogged or dirty air filter can lead to several issues affecting your vehicle's performance. Recognizing these signs can help you determine when it's time for a replacement.

5.1 Symptoms of a Dirty Air Filter

- **Reduced Fuel Economy:** A restricted airflow can cause the engine to work harder, consuming more fuel.
- **Decreased Engine Performance:** You might notice a sluggish acceleration or a general loss of power.
- **Unusual Engine Sounds:** A dirty filter can sometimes cause the engine to make sputtering or coughing noises.
- **Check Engine Light:** In some modern vehicles, a severely clogged air filter can trigger the check engine light.
- **Visible Dirt:** A visual inspection reveals a filter that is heavily soiled with dirt, dust, or debris.

If you experience any of these symptoms, inspect your MAHLE LX 407 Air Filter and replace it if necessary.

6. Specifications

The following table outlines the key specifications for the MAHLE LX 407 Air Filter:

Specification	Detail
Brand	MAHLE
Model Number	LX 407
Manufacturer Part Number	LX 407
ASIN	B004JBUCJU
UPC	027067665331
Weight	0.72 lbs
Core Charge	Not Required

7. Warranty and Support

For specific warranty information regarding your MAHLE LX 407 Air Filter, please refer to the documentation provided with your purchase or visit the official MAHLE website. Warranty terms typically cover manufacturing defects.
If you require technical assistance or have questions about the product, please contact MAHLE customer support through their official channels. You can often find contact information on the product packaging or the MAHLE official website.
MAHLE Official Website: www.mahle.com

© 2023 MAHLE. All rights reserved. Information subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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

Open the live page

https://manuals.plus/asin/B004JBUCJU

More documents and user manuals: **https://manuals.plus/**