

Manuals.plus /

> CAT /

> Caterpillar 105-9741 1059741 Engine Air Filter User Manual

## CAT 105-9741 1059741

# Caterpillar 105-9741 1059741 Engine Air Filter User Manual

Model: 105-9741 1059741 | Brand: CAT

### INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Caterpillar 105-9741 1059741 Engine Air Filter. Adhering to these guidelines will ensure optimal performance and longevity of your filter and associated equipment. Please read this manual thoroughly before installation or service.

### PRODUCT OVERVIEW

The Caterpillar 105-9741 1059741 is an advanced high-efficiency engine air filter designed to protect your engine from harmful contaminants. It plays a critical role in maintaining engine performance and fuel efficiency by ensuring a clean air supply to the combustion chamber. This filter is engineered for durability and effective filtration in demanding heavy-duty and commercial vehicle applications.

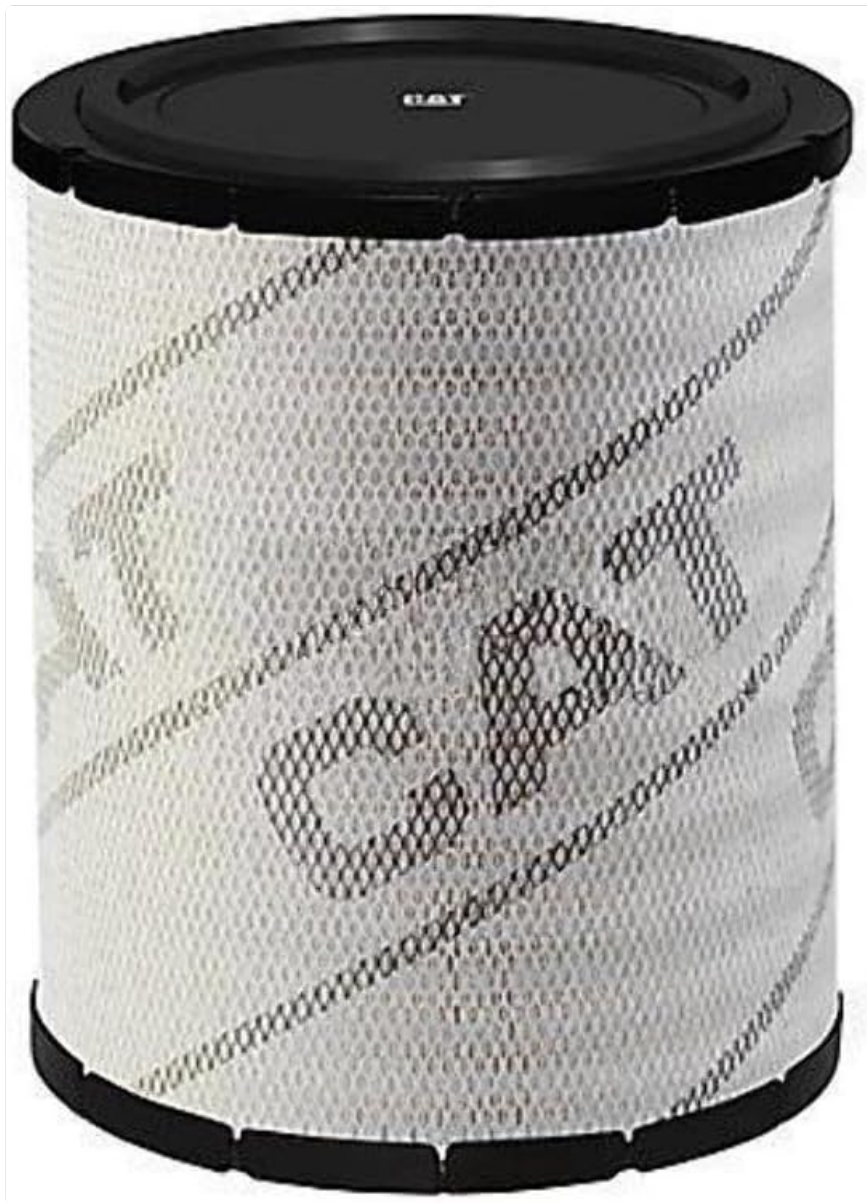


Image: The Caterpillar 105-9741 1059741 Engine Air Filter. This image displays the cylindrical air filter, predominantly white with a mesh-like texture, featuring the "CAT" logo prominently on its side. It has black caps on both ends, indicating its robust construction and design for heavy-duty applications.

## COMPATIBILITY

This air filter is compatible with various Caterpillar engines, generator sets, and petroleum products. Refer to your equipment's service manual for specific filter requirements. Known compatible models include:

- **Marine Products:** C280-8, 3612, C280-6, C280-16, C280-12, 3616, 3608, 3606
- **Engine - Generator Set:** 3616, G3520C, G3520E, G3512E, C280-12, G3516C, C280-16, 3606, C175-16, 3612, G3516B, G3516H, G3520H, G3516E, G3516, G3616, G3606, G3612, G3608, G3606B, 3608
- **Petroleum Products:** G3606, G3616, G3612, G3608, C280-12
- **Engine - Industrial:** 3616, G3520C, G3520E, G3512E, C280-12, G3516C, C280-16, 3606, C175-16, 3612, G3516B, G3516H, G3520H, G3516E, G3516, G3616, G3606, G3612, G3608, G3606B, 3608

## INSTALLATION

1. **Safety First:** Ensure the engine is turned off and cooled down before beginning any work. Disconnect the battery if necessary to prevent accidental starting.

2. **Locate Air Filter Housing:** Identify the air filter housing, typically a large plastic or metal box connected to the engine's air intake system.
3. **Open Housing:** Unlatch or unbolt the housing cover. Some designs may require tools.
4. **Remove Old Filter:** Carefully remove the old air filter. Note its orientation for correct installation of the new filter.
5. **Clean Housing:** Inspect the inside of the air filter housing for any debris, dust, or leaves. Clean thoroughly with a damp cloth, ensuring no foreign objects fall into the air intake.
6. **Install New Filter:** Insert the new Caterpillar 105-9741 1059741 air filter into the housing, ensuring it fits snugly and is correctly seated. Do not force the filter.
7. **Secure Housing:** Close and secure the air filter housing cover, ensuring all latches or bolts are fastened properly to create an airtight seal.
8. **Final Check:** Double-check all connections and ensure no tools or loose items are left in the engine bay.

*For detailed, vehicle-specific installation instructions, always consult your equipment's official service manual.*

## MAINTENANCE

Regular maintenance of your air filter is crucial for engine health and efficiency.

- **Inspection:** Periodically inspect the air filter for signs of dirt, debris, or damage. The frequency of inspection depends on operating conditions (e.g., dusty environments require more frequent checks).
- **Replacement:** Replace the air filter according to the manufacturer's recommended service intervals for your specific equipment, or sooner if it appears excessively dirty or damaged. A clogged air filter can significantly reduce engine performance and fuel economy.
- **Do Not Clean:** Unlike some other filter types, engine air filters are generally not designed to be cleaned. Attempting to clean them can damage the filtration media and reduce their effectiveness. Always replace with a new, genuine Caterpillar filter.

## TROUBLESHOOTING

If you experience issues that might be related to the air filter, consider the following:

- **Reduced Engine Performance:** A dirty or clogged air filter can restrict airflow to the engine, leading to reduced horsepower, sluggish acceleration, or rough idling. Inspect and replace the filter if necessary.
- **Decreased Fuel Efficiency:** An engine struggling to draw air due to a restricted filter may consume more fuel. Check the air filter as part of your fuel efficiency troubleshooting.
- **Unusual Engine Noises:** While less common, a severely damaged or improperly installed air filter could lead to unusual noises from the air intake system.
- **Check Engine Light:** In some modern vehicles, a highly restricted air filter might trigger a "Check Engine" light due to incorrect air-fuel mixture readings.

*If problems persist after checking and replacing the air filter, consult a qualified technician or your equipment's service manual.*

## SPECIFICATIONS

| Attribute | Value |
|-----------|-------|
|-----------|-------|

| Attribute                | Value                |
|--------------------------|----------------------|
| Brand                    | CAT                  |
| Item Model Number        | 105-9741 1059741     |
| Manufacturer Part Number | 105-9741 1059741     |
| OEM Part Number          | 105-9741 1059741     |
| Item Weight              | 182.5 pounds         |
| Fit Type                 | Vehicle Specific Fit |
| ASIN                     | B01F4ZKO5Q           |
| Date First Available     | May 8, 2016          |

## WARRANTY INFORMATION

For specific warranty terms and conditions applicable to the Caterpillar 105-9741 1059741 Engine Air Filter, please refer to the official warranty documentation provided by CAT or contact their customer service directly. Warranty coverage typically applies to manufacturing defects and may vary based on region and purchase terms.

## SUPPORT

If you require further assistance, have questions regarding compatibility, installation, or troubleshooting, please contact:

- **CAT Customer Service:** Refer to the official Caterpillar website or product packaging for contact details.
- **Authorized CAT Dealer:** Your local authorized dealer can provide expert advice and genuine parts.
- **Seller:** For purchase-related inquiries, contact Industrial Stop, the seller of this product.

© 2024 CAT. All rights reserved. This manual is for informational purposes only.

## 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/B01F4ZKO5Q>

More documents and user manuals: <https://manuals.plus/>