

## MAHLE LA1506

# MAHLE LA 1506 Interior Cabin Air Filter Instruction Manual

Model: LA1506

## 1. INTRODUCTION

The MAHLE LA 1506 Interior Cabin Air Filter is designed to purify the air entering your vehicle's passenger compartment. It effectively filters out dust, pollen, and other airborne particles, contributing to a cleaner and healthier cabin environment. Regular replacement of your cabin air filter is essential for maintaining optimal air quality and the efficiency of your vehicle's heating, ventilation, and air conditioning (HVAC) system.



Image 1: The MAHLE LA 1506 Interior Cabin Air Filter, a white rectangular filter with 'AIRFLOW MAHLE LA 1506' printed on its side.

## 2. PRODUCT OVERVIEW

The MAHLE LA 1506 is a particle filter, specifically engineered to capture fine particulates. Its robust construction ensures reliable performance and durability. This filter is part of MAHLE's extensive product portfolio, manufactured to original equipment quality standards.

- **Filter Type:** Particle Filter
- **Length (L):** 215.0 mm (8.46 inches)
- **Width (B):** 187.0 mm (7.36 inches)
- **Height (H):** 29.0 mm (1.14 inches)
- **Material:** Particle Filter Material



Image 2: A variety of MAHLE cabin air filters, showcasing different designs and sizes, including filters similar to the LA 1506.

### 3. COMPATIBILITY

The MAHLE LA 1506 cabin air filter is compatible with various vehicle models. Please verify compatibility with your vehicle's specific make, model, and year using the provided part numbers or by consulting your vehicle's owner's manual.

#### Compatible Vehicle Models:

- **LEXUS:** RX (\_L2\_), UX (\_AA1\_, \_AH1\_, \_MA1\_), ES (\_Z10\_, \_A10\_, \_H10\_)
- **TOYOTA:** HILUX VIII Pickup (\_N1\_), RAV 4 V (\_A5\_, \_H5\_), CAMRY (\_V7\_, \_VA7\_, \_VH7\_), COROLLA Estate (\_E21\_), COROLLA Hatchback (\_E21\_), COROLLA Saloon (\_E21\_), FORTUNER (\_N15\_, \_N16\_), C-HR (\_X1\_), YARIS (\_P21\_, \_PA1\_, \_PH1\_), PRIUS PHV (\_W52\_), HIACE VI Bus (\_H3\_), YARIS CROSS (MXP\_), PRIUS (\_W5\_)

#### Equivalent Part Numbers:

- **LEXUS:** 87139YZZ33
- **MAZDA:** TK4861J6X
- **TOYOTA:** 8713928020, 871390K070, 871390K090, 87139F4020, 87139YZZ33
- **AMC Filter:** TC1034, TC1036
- **BLUE PRINT:** ADT32551, ADT32554
- **BOSCH:** 1987435108
- **COMLINE:** EKF422
- **CORTECO:** 49387664, CP1546
- **FILTRON:** K1310
- **HENGST FILTER:** E4959LI
- **HERTH+BUSS JAKOPARTS:** J1342048
- **MANN-FILTER:** CU22032
- **MECAFILTER:** ELR7356
- **MOTAQUP:** LVCF686
- **MULLER FILTER:** FC472
- **NIPPARTS:** N1342042
- **NPS:** T135A20

- **VIC: AC111E**
- **WILMINK GROUP: WG1750634**
- **WIX FILTERS: WP10320, WP2158**

*Note: The equivalent part numbers are for comparison purposes only. Always confirm fitment with your vehicle's specifications.*

## 4. INSTALLATION / SETUP

Replacing your cabin air filter is a routine maintenance task. The exact procedure varies by vehicle model. Always refer to your vehicle's owner's manual or a reputable service guide for specific instructions for your car. The following are general steps:

1. **Locate the Filter Housing:** Cabin air filters are typically located behind the glove compartment, under the dashboard, or sometimes under the hood near the windshield.
2. **Access the Filter:** This may involve opening or removing the glove compartment, or unfastening clips/screws on the filter housing cover.
3. **Remove the Old Filter:** Carefully pull out the old filter. Note its orientation, especially the airflow direction arrow.
4. **Clean the Housing (Optional):** While the housing is open, you may gently clean any debris or dust.
5. **Insert the New Filter:** Place the MAHLE LA 1506 filter into the housing, ensuring the airflow arrow on the filter matches the vehicle's specified airflow direction. The airflow arrow on the MAHLE LA 1506 filter indicates the direction the air should flow through the filter.
6. **Reassemble:** Close the filter housing cover and reassemble any components removed to gain access.



Image 3: The MAHLE LA 1506 filter with labels for Length (L), Width (B), and Height (H), illustrating its physical dimensions for proper fitment.

## 5. OPERATING PRINCIPLE

The MAHLE LA 1506 is a particle filter, meaning it operates by physically trapping airborne particles as air passes through its media. The filter media is designed with microscopic fibers that create a labyrinth for air to flow through, while particles such as pollen, dust, and soot are caught and retained. This process ensures that only cleaner air enters the vehicle's cabin, protecting occupants from external pollutants.

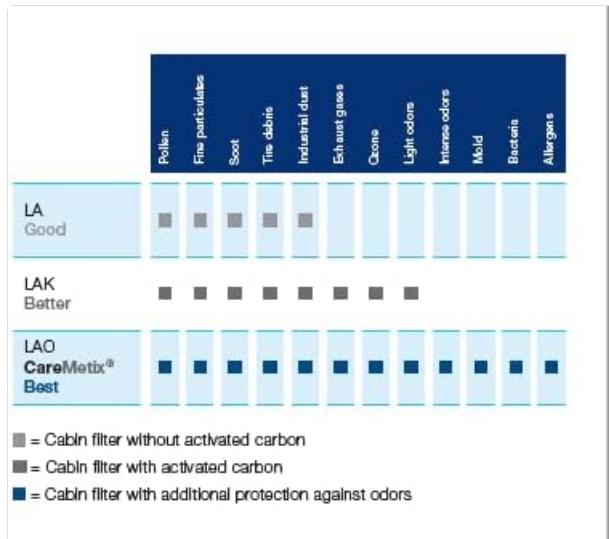


Image 4: A chart comparing different MAHLE cabin filter types (LA, LAK, LAO) and their effectiveness against various pollutants like pollen, fine particulates, industrial dust, and odors. The LA 1506 is a 'LA' type filter, providing good filtration for pollen, fine particulates, soot, and industrial dust.

## 6. MAINTENANCE

Regular maintenance of your cabin air filter is crucial for optimal performance and air quality. A clogged filter can reduce airflow from your HVAC system and introduce unpleasant odors.

- **Replacement Interval:** It is generally recommended to replace your cabin air filter every 12,000 to 15,000 miles or once a year, whichever comes first. However, this can vary based on driving conditions (e.g., dusty environments may require more frequent replacement) and your vehicle manufacturer's recommendations.
- **Inspection:** Periodically inspect the filter for excessive dirt or debris. If it appears heavily soiled, replace it regardless of the mileage or time interval.

## 7. TROUBLESHOOTING

If you experience issues related to your cabin air filter, consider the following:

- **Reduced Airflow from Vents:** This is a common sign of a clogged cabin air filter. Replace the filter. Ensure the new filter is installed with the correct airflow direction.
- **Unpleasant Odors in Cabin:** A dirty or old filter can harbor mold and bacteria, leading to stale or musty odors. Replace the filter.
- **Increased Allergies/Respiratory Issues:** If you notice an increase in allergy symptoms while driving, your filter may no longer be effectively trapping allergens. Replace the filter.

## 8. SPECIFICATIONS

Attribute	Value
Manufacturer	MAHLE
Part Number	72491243
Item Model Number	LA1506

Attribute	Value
Filter Type	Particle Filter
Length	215.0 mm (8.46 inches)
Width	187.0 mm (7.36 inches)
Height	29.0 mm (1.14 inches)
Item Weight	0.1 Kilograms (3.52 ounces)
Material	Particle Filter Material
Compatible Devices	Air Conditioner
Item Package Quantity	1
Product Grade	Replacement Part

## 9. WARRANTY AND SUPPORT

For specific warranty information regarding your MAHLE LA 1506 cabin air filter, please refer to the packaging or contact MAHLE customer service directly. For technical support or further assistance, please reach out to your retailer or visit the official MAHLE website.

**MAHLE Website:** [www.mahle.com](http://www.mahle.com)