

## MAHLE LAO 386

# MAHLE Original LAO 386 CareMetix Cabin Air Filter User Manual

Model: LAO 386

## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your MAHLE Original LAO 386 Cabin Air Filter. The MAHLE Original LAO 386 is designed to supply clean air to the vehicle's cabin, preventing pollen, dust particles, and smog from entering. Proper installation and regular maintenance ensure optimal performance and air quality.



Image: The MAHLE Original LAO 386 Cabin Air Filter shown with its retail packaging, highlighting the CareMetix branding and model number.

## PRODUCT FEATURES

- **CareMetix Technology:** Advanced multi-layer filtration system designed to capture fine dust, pollen, odors, and harmful gases.
- **High Filtration Efficiency:** Effectively removes over 90% of pollutants from the incoming air.
- **Odor Absorption:** Integrated activated carbon layers help neutralize unpleasant smells.
- **Original Equipment Design:** Engineered to meet or exceed original equipment specifications for fit and performance.

# MAHLE

## CareMetix® プレミアムフィルター



## 5枚層でMAHLE品質

90%汚染物質除去

分子ふるい層で消臭

### S5 ブロードバンド技術

①高性能微粒子フィルタ層

②分子ふるい層

③人口活性炭層

④生体活性炭層

⑤保護コーティング層

①花粉・PM2.5 をブロック

②臭い・カビ・細菌をブロック

③④排気ガスをブロック

⑤効果をサポート 保護コーティング



新鮮な空気

Image: A diagram illustrating the five-layer filtration technology of the MAHLE CareMetix filter. This system is designed to block pollen, PM2.5 particles, odors, mold, bacteria, and exhaust gases, ensuring cleaner cabin air.

## SETUP AND INSTALLATION

Installing the MAHLE Original LAO 386 cabin air filter typically involves accessing the filter housing, which is often located behind the glove compartment, under the dashboard, or in the engine bay near the windshield cowl. Refer to your vehicle's specific service manual for precise location and removal instructions.

1. **Locate Filter Housing:** Consult your vehicle's owner's manual or a reliable automotive repair guide to find the cabin air filter housing.
2. **Remove Old Filter:** Carefully open the housing and remove the old cabin air filter. Note the direction of the airflow arrow on the old filter.
3. **Clean Housing:** Inspect the housing for any debris and clean if necessary.
4. **Install New Filter:** Insert the new MAHLE LAO 386 filter, ensuring the airflow arrow on the filter points in the correct direction (usually towards the passenger compartment).

5. **Secure Housing:** Close and secure the filter housing.

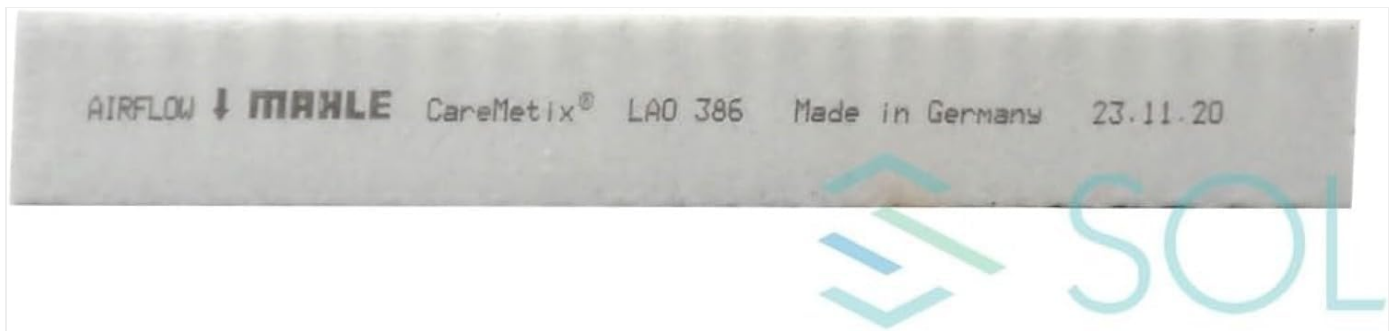


Image: A close-up view of the MAHLE LAO 386 cabin air filter's side, clearly showing the "AIRFLOW" arrow and model number. This arrow indicates the correct installation direction for optimal filtration.

*Note:* Incorrect installation of the airflow direction can significantly reduce filter effectiveness and potentially damage the HVAC system.

## OPERATING INSTRUCTIONS

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The MAHLE Original LAO 386 cabin air filter operates passively as part of your vehicle's HVAC (Heating, Ventilation, and Air Conditioning) system. Once installed, it continuously filters the air entering the cabin when the ventilation system is active.

- Ensure your vehicle's HVAC system is functioning correctly.
- For optimal air quality, use the recirculation mode sparingly, especially during long drives, to allow fresh filtered air into the cabin.

## MAINTENANCE

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Regular maintenance of your cabin air filter is crucial for maintaining air quality and HVAC system efficiency.

- **Replacement Interval:** It is recommended to replace the MAHLE Original LAO 386 cabin air filter every 15,000 km or at least once a year, whichever comes first. This interval may need to be shortened if you frequently drive in dusty or polluted environments.
- **Inspection:** Periodically inspect the filter for excessive dirt, debris, or discoloration. A heavily soiled filter can restrict airflow and reduce HVAC performance.



Image: A clean MAHLE LAO 386 cabin air filter, showcasing its blue filtration media and sturdy frame, ready for installation.



Image: The MAHLE LAO 386 cabin air filter, showing the grey side of the filtration media, which often contains activated carbon for odor absorption.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced airflow from vents	Clogged cabin air filter	Replace the cabin air filter. Ensure correct airflow direction during installation.
Unpleasant odors in cabin	Saturated activated carbon layer or mold/bacteria growth on filter	Replace the cabin air filter. Consider cleaning the HVAC system if odors persist.

Problem	Possible Cause	Solution
Increased dust in cabin	Filter is old, damaged, or incorrectly installed	Inspect and replace the filter if necessary. Verify correct installation and airflow direction.

## SPECIFICATIONS

- **Model:** LAO 386
- **Brand:** MAHLE Original
- **Type:** Cabin Air Filter (CareMetix)
- **Material:** Carbon Fiber (activated carbon layers)
- **Dimensions:** Approximately 29.76 cm (L) x 20.16 cm (W) x 9.61 cm (H)
- **Weight:** Approximately 172 g
- **OEM Part Numbers:** AUDI: 8K0819439, 8K0819439A, 8K0819439B, 8K0819439C, X4332002; PORSCHE: 8K0819439B, PAB81943910, PAB81943920; VW: 8K0819439, 8K0819439A, 8K0819439B, 8K0819439C, X4332002

## WARRANTY AND SUPPORT

For specific warranty information regarding your MAHLE Original LAO 386 Cabin Air Filter, please refer to the warranty documentation provided with your purchase or visit the official MAHLE website. MAHLE Original products are manufactured to high-quality standards, and support is available through authorized distributors and service centers. For technical assistance or inquiries, please contact MAHLE customer service or your local MAHLE dealer. You can find contact information on the official [MAHLE website](#).

