

### More than just cold air. A/C compressors from MAHLE

With the acquisition of the thermal management activities from Delphi Automotive PLC and the recent integration of the air conditioning compressor product group into the MAHLE Group, MAHLE has further expanded its leading position as an original equipment manufacturer. When it comes to vehicle cooling and climate control MAHLE is the competent technology-partner for all leading OE-manufacturers.

As an OEM systems partner and a global player in the independent spare parts market, MAHLE Aftermarket can rely on many years of experience, giving spare parts dealers and repair shops efficient access to the thermal management expertise they need. Services include professional customer support and consulting in vehicle air conditioning systems for our customers.



# MAHLE

*Driven by performance*

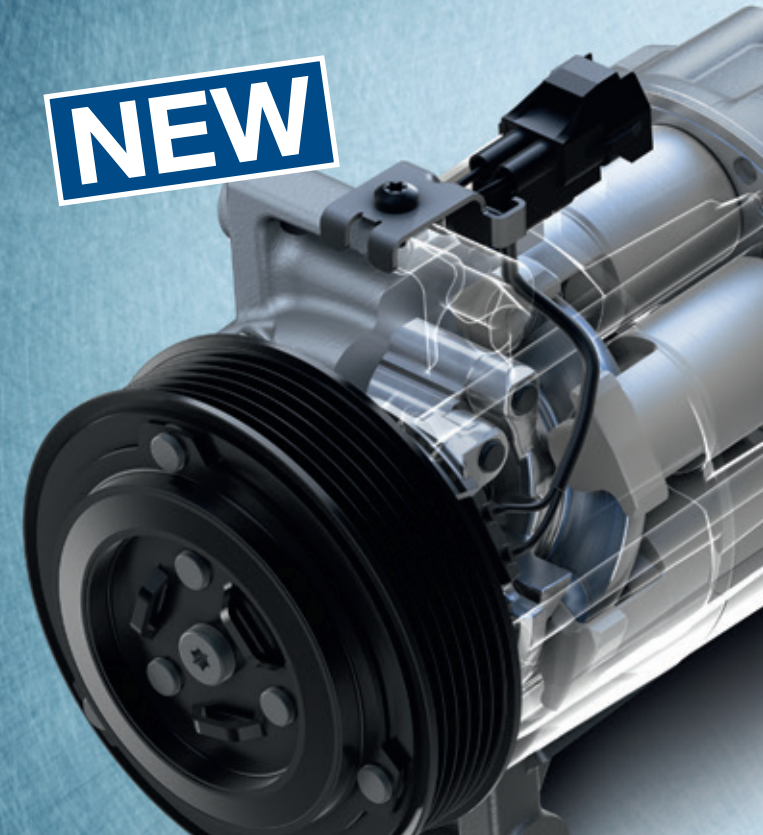
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# MAHLE

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**NEW**



## MORE THAN JUST COLD AIR

Air conditioning compressors from MAHLE.

**MAHLE**  
ORIGINAL

### New from MAHLE Aftermarket: A/C compressors

Beginning in summer 2017, MAHLE Aftermarket is adding a new product group to its comprehensive portfolio—air conditioning compressors. Under the MAHLE Original brand, the basic range covers all top applications for the Europe, Middle East, and Africa sales regions.

We deliver the right solution to our customers for a broad range of requirements and specifications. Going beyond the basics, our premium range provides products designed to meet the highest performance and quality standards.

|                            | MAHLE ORIGINAL |       |           |              |               |
|----------------------------|----------------|-------|-----------|--------------|---------------|
|                            | Low budget     | Reman | IAM basic | IAM standard | Premium range |
| Cooling performance        | ■              | ■     | ■         | ■            | ■             |
| Durability and reliability | ■              | ■     | ■         | ■            | ■             |
| Comfort and driving        | ■              | ■     | ■         | ■            | ■             |
| Support and service        | ■              | ■     | ■         | ■            |               |

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### A/C compressors: engineering, failure, and causes

As the heart of a vehicle air conditioning system, the air conditioning compressor is typically driven by a V-ribbed belt. The compressor circulates the refrigerant in the air conditioning system and—when operating properly—ensures that the optimal temperature is maintained in the cabin.

#### Indications of damage or failure of the A/C compressor:

- Coolant leaking from the compressor
- Insufficient cooling, or absence of cooling
- Noise
- Error messages in the air conditioning control unit or central control unit

#### Causes of compressor failure:

- Incorrect installation
- Insufficient compressor oil or refrigerant
- Leaks in the HVAC system
- Damage to individual air conditioning components
- Solid matter contamination (swarf, etc.)
- Moisture in the air conditioning circuit (due to corrosion, etc.)



### Maintenance made easy: MAHLE A/C service units guarantee professional maintenance and proper compressor replacement

Vehicle HVAC modules are becoming increasingly complex to enhance comfort, safety, and efficiency. Our service units are designed to ensure safe, compliant handling of air conditioning compressors in the repair shop. Our ArcticPRO® line for refrigerants R134a and R1234yf is the solution for an ecological, economical, and efficient A/C service.



### Perfect partnership: A/C compressors and cabin filters from MAHLE

MAHLE Aftermarket offers high-quality cabin filters to ensure that air conditioning compressors will continue to deliver top performance over a long service life. Cabin filters protect the air conditioning system against contamination and irreparable damages. The new CareMetix® cabin filter provides even greater protection—protection you can feel—against pollen, soot, mould, bacteria, and odours.

