

# Carry out an A/C check!

Read on to find out why ...

Your air conditioning ensures safety and comfort—but only if it's well maintained. That's why it's important to carry out an A/C check regularly!

## Air conditioning check

Once a year or every 15,000 km

### What's involved?

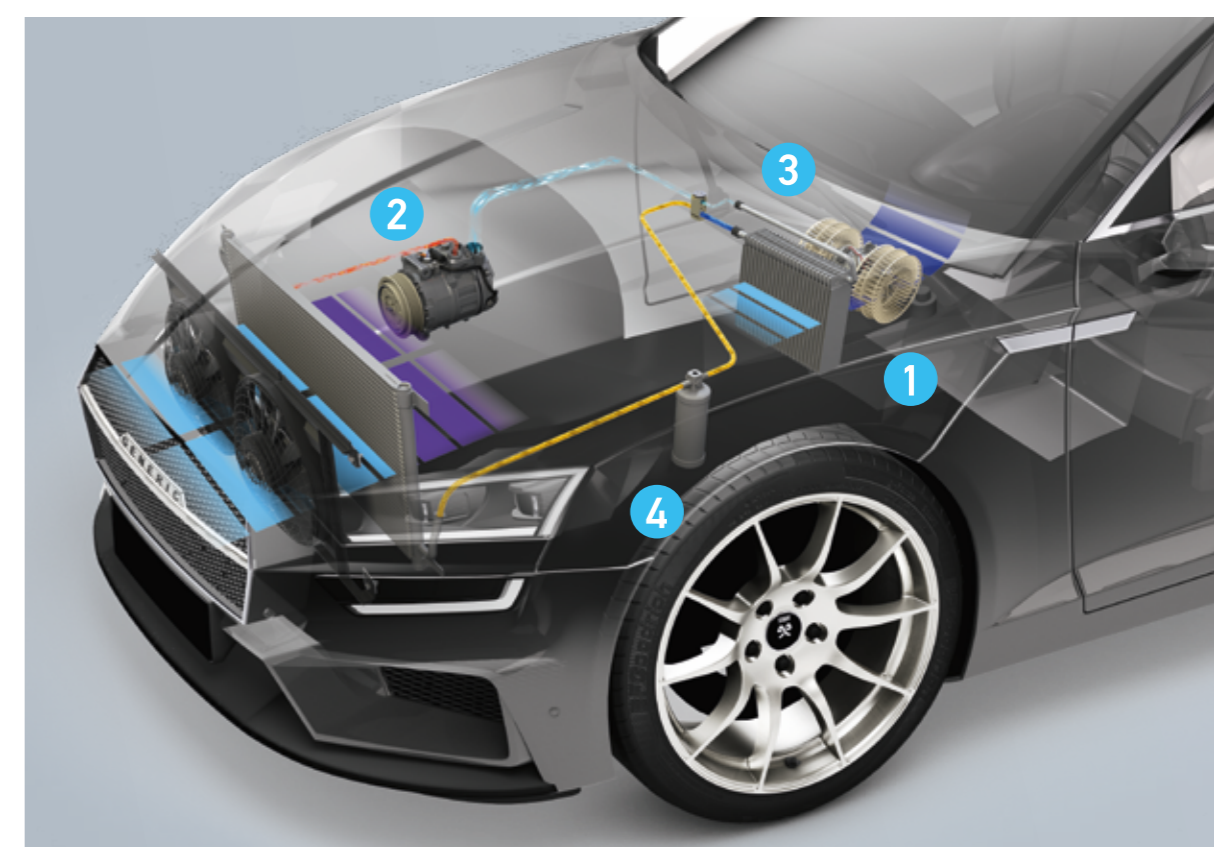
- Visually inspect all components
- Perform function and performance test
- Replace the cabin filter
- Where necessary, disinfect the evaporator

## Air conditioning service

Every two years

### What's involved?

- Carry out an A/C check (see left)
- Change the refrigerant
- Perform a leakage test
- Replace the filter-drier



### 1 Evaporator



With A/C check



Without A/C check



#### Evaporator

- Fitted below the dashboard, integrated in the ventilation system
- The dark, humid environment creates an ideal breeding ground for bacteria, fungi, and micro-organisms
- Risk of musty odors or allergic reactions
- This can be prevented by disinfection

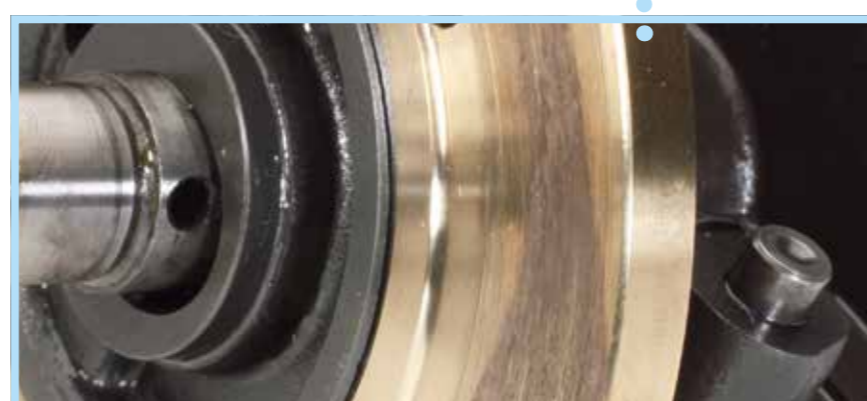
### 2 Compressor



With A/C check



Without A/C check



#### Compressor

- Heart of the A/C system; driven by the engine and the transportation of refrigerant oil
- Refrigerant oil, which circulates with the refrigerant, is used for lubrication
- Approx. 10% of the refrigerant evaporates per year
- Inadequate lubrication leads to risk of compressor damage
- This can be prevented by A/C maintenance

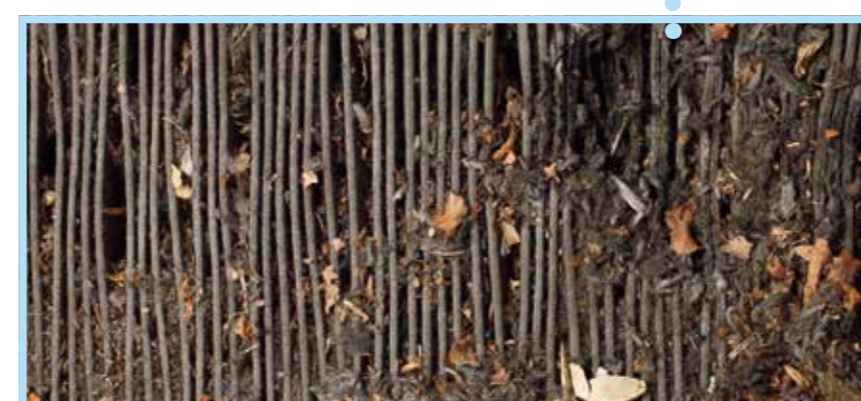
### 3 Cabin filter



With A/C check



Without A/C check



#### Cabin filter

- Air flow approx. 300 m<sup>3</sup> per hour
- Retains dust, dirt, and pollen
- Optional activated carbon canister to absorb gases such as ozone
- Replace after 1 year or 15,000 km because of saturation
- Good to know! In comparison with conventional cabin filters, MAHLE's CareMetix® cabin filters ensure that no intensive odors, mold, bacteria, or allergens enter the vehicle interior.

### 4 Filter-drier



With A/C check



Without A/C check



#### Filter-drier

- Filters moisture from the refrigerant as well as dirt particles and chips from the A/C system or compressor
- Both can cause damage to the A/C system
- Capacity limited, depending on engine type
- Replace after approx. 2 years