

Our compressors are guaranteed for two years.

The guarantee conditions are only applicable in the event of a manufacturing fault. Therefore we will provide instructions for the replacement and commissioning of compressors in the following sections.

General safety instructions

Caution

Work on vehicle air conditioning systems may only be performed by persons who have the appropriate specialist knowledge of maintenance and repair of vehicle air conditioning systems.

Caution

When working on vehicle air conditioning systems, an air conditioning service device (e.g. ASC 1000 / 2000 / 3000) must always be used to prevent inadvertent escape of coolant into the atmosphere.

Caution

Remember to wear the necessary personal safety equipment such as safety goggles and protective gloves.

Handling instructions

- Remove the damaged compressor and determine the cause of the damage (compressor wear or other problems).
To do this, after draining the coolant using the air conditioning service device, take out the defective compressor, remove the oil drain plug from the compressor and allow the oil to drain out. Check the condition of the oil (colour, dirt, etc.). Make certain that all impurities and foreign bodies are removed from the air conditioning circuit. Flush out the system before installing the new compressor. Usually coolant R134a is suitable for flushing out the system. Compressors, drying units (accumulators) and expansion valves or orifice tubes cannot be flushed. In these cases it is necessary to insert special bridging adapters.
- In principle, the drying unit (or accumulator) and the throttle (orifice tube) should always be replaced in the event of compressor damage. The expansion valve should be checked for dirt and corrosion and replaced if necessary.
In the event of compressor damage where chippings have formed, both the throttle and the expansion valve must always be replaced.
- The coolant compressors are supplied for use in different vehicles and air conditioning systems. It is therefore absolutely essential to check the oil filling level and the viscosity before installing the compressor and to correct these if necessary. To do this remove the oil drain plug from the replacement compressor and completely drain the refrigerant oil into a suitable container. Afterwards the new compressor should be completely filled with the quantity of oil specified by the vehicle manufacturer. Before installing the compressor, turn it around manually 10 times so that the oil can distribute evenly throughout the compressor.

Notes on the Guarantee and Commissioning of Compressor Air Conditioning Units

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- ❗ Note: The refrigerant oil drained from the replacement compressor can be filled into the compressor again.
- Reconnect, evacuate and fill the coolant circuit after finishing repairs.
- ❗ Note:
Used refrigerant oil should be treated as hazardous waste.
- ❗ Note:
Remember to fill the vehicle air conditioning correctly using the high pressure side (red filling hose) on systems with an expansion valve.
- ❗ Note:
Fill the correct quantity of coolant, the compressor may only be operated with coolant R134a.
- ❗ Note:
Ensure that the drive belt is correctly aligned during installation.

Commissioning the air conditioning system after filling

- Start the engine with the compressor switched off.
- Set the compressor to the lowest possible output level – “econ” operating mode or “A/C” off.
- Switch on the air conditioning briefly (1 sec.) 8-10 times.
- Wait until the idle speed has stabilised.
- Switch on the compressor and the air conditioning system for at least two minutes and operate at idle speed.
- Check the pressure of the coolant circuit using an air conditioning service device.
- Turn off the engine.

Note for the guarantee cases

- The compressor should be returned with the suction and pressure sockets closed (insert the plugs of the new compressor) and return the old drying unit.