

Audi > A8/A8L > 2004-2008

Heating Air Conditioning

87 - Removal and Installation

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A/C Compressor, 8-Cylinder MPI

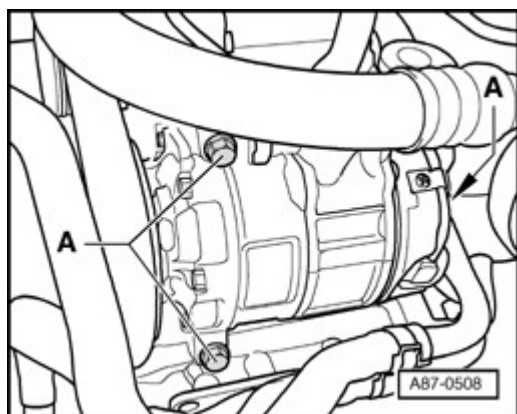
Note:

- ♦ The compressor can be removed and installed at the bracket without opening the refrigerant lines.
- ♦ Do not discharge the refrigerant circuit, do not remove refrigerant hoses and lines from compressor.
- ♦ After detaching, use wire for example to attach compressor to longitudinal member. Never leave hanging from refrigerant lines.
- ♦ Before removing, mark direction of operation of ribbed belt with chalk or felt-tipped pen. Running a used belt in the opposite direction could destroy it.
- ♦ Depending on engine and country version, different compressors are installed (8, 10 or 12-cyl. gasoline engine). ⇒ Parts Catalog
- ♦ Removing compressor from bracket and re-installing in vehicles with 12-cyl. engine ⇒ [Compressor, 12-Cylinder](#)

Compressor, removing from bracket and reinstalling

Note:

- ♦ Do not unfasten refrigerant lines and corresponding clamps.

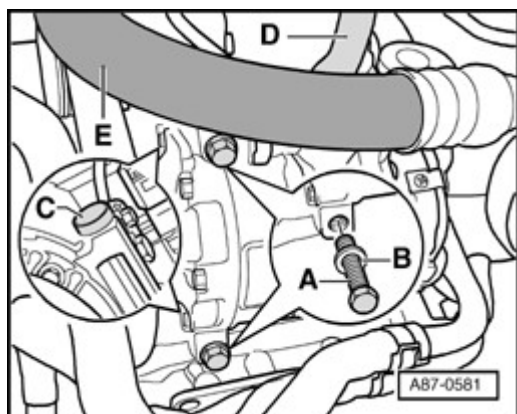


- ♦ This illustration shows compressor for 8-cyl. MPI engine. For the other engine versions, allocation differs only slightly from this (e.g. different refrigerant lines). ⇒ Engine Mechanical - Repair Group 13
- ♦ Depending on version of vehicle, it may be necessary to push aside or disconnect individual hose lines that are routed in the vicinity of the compressor.

- Remove noise insulation.
- Bring lock carrier into service position ⇒ Body Exterior - Repair Group 50
- Mark connector to A/C Compressor Regulator Valve N280 because of danger of interchanging with connector to electric engine mount.

Note:

- ♦ If connectors to A/C Compressor Regulator Valve N280 and to electric engine mount are interchanged, no DTC is entered in DTC memory, however the evaporator may ice-up since the compressor is actuated continuously.
- Disconnect electrical connection to A/C Compressor Regulator Valve N280 at harness connector.



- Remove bolts - **A** - (25 Nm).

Note:

- ♦ Install one washer each - **B** - at bolts - **A** - .
- ♦ Before fastening compressor, check both bushings - **C** - in bracket or compressor for correct seating.
- ♦ After fastening compressor, check installation position of refrigerant lines - **D** - and - **E** - , lines must be engaged in brackets provided (if installed, depending on engine).
- ♦ After attaching compressor, also check refrigerant lines and corresponding holders for adequate clearance with respect to other components, ensuring sufficient distance between belt, holder and pulley.

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