

KIA

Picanto

Model year: 2004–2008

With air-conditioning system

Compressor does not work

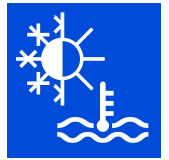
Compressor coupling makes noises

Fuse faulty

If the air-conditioning compressor should fail or noises be produced on the above mentioned vehicles, a possible cause is a faulty solenoid coil on the compressor coupling. Prior to replacing the solenoid coil, check the main A/C fuse (10A), which is sometimes blown by an electrical short-circuit in the coupling. A resistance measurement is also to be made on the coupling. The nominal value is: approx. 3 - 4 Ohm. If the value is in this range, the coupling is in order and the surrounding area is to be checked. If the value is zero Ohm, a short-circuit can be assumed. The faulty solenoid coil or the compressor should be replaced. On the replacement of the solenoid coil the following is to be noted:

- The vehicle manufacturer sells a repair kit (can be ordered via the manufacturer's hotline)
- On removing/ fitting the coupling, pay attention to the markings or mark the position of the parts
- Undo/remove central coupling screw
- Remove belt pulley locking ring
- Take off belt pulley
- Remove solenoid coil locking ring
- Undo fitting for the retainer for the electrical

connection (to make the removal of the retaining fitting easier, a tool is included with the repair kit that is fitted



to the head of the retaining screw to undo it)

- Unlock/pull off connector
- Remove solenoid coil
- Fit new solenoid coil. The marks on the solenoid coil and compressor must match
- On fitting the belt pulley, ensure the milled face on the locking ring is pointing upwards
- The tightening torque for the central coupling fastening is 10 - 15 Nm