

Jaguar XF, XJ, XK - Insufficient cooling | HELLA

Jaguar

XF-Type (X250)

/ Model year: from 2010 onwards / Chassis no.: R59504 and onwards

XJ-Type (X351)

/ Model year: from 2010 onwards / Chassis no.: V00325-

XK-Type

/ Model year: 2010 - 2015 / Chassis no.: B32753 – B56794

Insufficient cooling from air-conditioning system

If the customer complains that the cooling power of the air-conditioning system in one of the aforementioned vehicles is insufficient, this may be due to a faulty pressure control valve in the compressor.

A faulty pressure control valve can often be identified by unusual high and low pressure: high pressure too low; low pressure too high.

However, before the electronically actuated valve is replaced, the controller, other system components and the coolant level should be checked.

To replace the compressor pressure control valve, proceed as follows:

- Drain off refrigerant
- Remove compressor (usually required)
- Clean area around control valve
- Remove circlip from valve
- Carefully remove control valve
- Check the area of the compressor into which the new valve is going to be inserted for damage and soiling
- Moisten the seal rings on the new valve with compressor oil, and insert the new control valve
- Fit circlip

- Fit compressor
- Carry out leak test
- Fill air-conditioning system and perform a functional test



The figure shows an example of an electronically actuated pressure control valve