

Eure!Car Tech Blog

Audi idle and BMW display

The Eure!Tech Blog covers problems that mechanics are facing every day. The Blog, which is updated regularly, can be read at www.euretechblog.ie. Here are some recent posts on an Audi idle control malfunction and a fault with the BMW E39 panel display.



BMW E39

Fault on instrument panel display

This affects vehicles of the BMW E39 series that have the display mounted at the bottom of the instrument panel.

Symptom

A certain number of pixels are not lit, which makes it difficult to read the messages.

Possible Causes

Progressive deterioration of the display or a communication fault with the instrument panel main board.

Procedure

First, it must be ensured that the display is communicating correctly with the main board, check the continuity of the connector solder joints.

As a general rule, the fault usually lies in the component itself.



Remedy

We resolve this problem by repairing the connections and replacing the display.

Audi A4 and A5 Idle control malfunction

Sometimes fault codes are recorded on control units of independent systems, such as the vehicle's anti-lock braking and electronic stability systems (ABS, ESP), or the airbag safety system, that either do not indicate an actual fault, or the code description does not have a direct relationship with the incident. Although the description of the incident code or fault are not related, this does not mean that there is an internal fault in the module, the modular control systems communicate with each other and are in constant communication, unless the signal is corrupted or there is an internal fault in the unit. In this incident, a fault code was recorded in the gearbox control unit that described an idle control fault. This led us to the conclusion that the automatic gearbox control unit was not operating correctly, due to a software malfunction that can be solved by reprogramming at origin with the most up-to-date software for the unit.

Affected vehicles

AUDI A4 (8K) 1.8 TFSI (CABB)

Manufactured from 2007 with Multitronic (B8) gearbox management.

AUDI A5 (8T) 1.8 TFSI (CABB)

Manufactured from 2007 with Multitronic (B8) gearbox management.



Symptom

Fault code P0505 (generic code "P") or 2252 (hexadecimal) with the description: Idle control malfunction.

Operation of the engine at idling speed is stable.

NOTE: This fault only concerns vehicles manufactured within a specific chassis range with the Multitronic gearbox system.

Cause

Software malfunction in the gearbox control unit.

Solution

Read the fault codes in the gearbox control unit with the diagnostic tool and check that code P0505 or fault code 2252 is recorded.

Clear the fault codes from the gearbox control unit and check that code P0505 or 2252 is recorded again.

Reprogramme the gearbox control unit software with the corresponding software at origin.