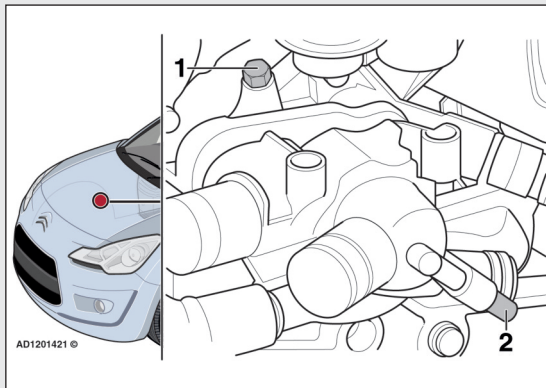


Citroën C3 III: Poor starting/hesitation

Question: We are having difficulty diagnosing the cause of several faults on a 2012 Citroën C3 III 1,6 VTi. The vehicle suffers from intermittent poor starting, hesitation on acceleration, engine coolant temperature gauge reads high and engine coolant blower motor operating on maximum speed. Several trouble codes are stored relating to engine coolant temperature sensor and fuel shut-off solenoid. Have you any ideas where to start to fix this car?

Answer: The symptoms you describe are known to affect the Citroën C3 III with 5FS (EP6C) engine code and BVM5 transmission code, up to 04/12/13 (RPO13540). The cause is due to an unsatisfactory design of the thermostat housing which has an integral engine coolant temperature (ECT) sensor. To complete this repair, an additional engine coolant temperature (ECT) sensor complete with wiring harness, available from a Citroën parts department, will be required. Replace the thermostat housing air bleed screw with an additional engine coolant temperature (ECT) sensor (Fig.1.1). Apply thread sealing



compound (Loctite 9731 60) to the ECT sensor before fitting. Disconnect the thermostat housing wiring harness multi-plug (Fig.1.2). Fit multi-plug of the additional ECT sensor wiring harness to thermostat housing (Fig.1.2). Fit multi-plug of the original thermostat housing wiring harness to the other multi-plug of the additional ECT sensor wiring harness. Secure wiring harness of the additional ECT sensor with cable ties. Carry out road test to confirm the faults have been eliminated.