Technical Service Bulletin

28 MIL On - Glow Plug Pressure Sensor Faults Stored in ECM Fault Memory - DTCs P13CE, P13D1, P13D4, P13D7

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Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3 TDI	2010 – 2014	All	TDI Engine
A3 Sportback TDI	2015		

Condition

Customer States:

- MIL on.

Workshop Findings:

- One or more of the below DTCs are stored in the ECM (01 Module).

DTC	Description
P13CE	Sensor for internal pressure of cylinder 1 Electrical error
P13CF	Sensor for internal pressure of cylinder 1 Short circuit to ground
P13D0	Sensor for internal pressure of cylinder 1 Implausible signal
P13D1	Sensor for internal pressure of cylinder 2 Electrical error
P13D2	Sensor for internal pressure of cylinder 2 Short circuit to ground

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P13D3	Sensor for internal pressure of cylinder 2 Implausible signal
P13D4	Sensor for internal pressure of cylinder 3 Electrical error
P13D5	Sensor for internal pressure of cylinder 3 Short circuit to ground
P13D6	Sensor for internal pressure of cylinder 3 Implausible signal
P13D7	Sensor for internal pressure of cylinder 4 Electrical error
P13D8	Sensor for internal pressure of cylinder 4 Short circuit to ground
P13D9	Sensor for internal pressure of cylinder 4 Implausible signal
P13E0	Sensor for internal pressure of cylinder 1 Malfunction
P13E1	Sensor for internal pressure of cylinder 2 Malfunction
P13E2	Sensor for internal pressure of cylinder 3 Malfunction
P13E3	Sensor for internal pressure of cylinder 4 Malfunction

Technical Background

When diagnosing MIL ON with glow plug pressure sensor DTCs, it is important to perform a diagnosis prior to replacing the glow plug.

Production Solution

Not applicable.

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Service

When diagnosing a glow plug pressure sensor DTC, but before replacing the glow plug:

1. Check for loose connections by performing a push or pull test of the connectors. If on a push test, a click can be felt; if on a pull test, the connector comes off very easily. If the connector is loose, properly seat the connector, clear any DTCs, and test drive the vehicle. **Do not replace the glow plug if a loose connection is found and no faults return after the test drive. If a fault returns, continue to 2.**

2. Check the glow plug by swapping the glow plug from the affected cylinder with the glow plug from an adjacent cylinder without a fault.

   ⚠️ **Note:** Ensure when re-securing the connector that the connector is fully seated.

   After swapping the glow plug(s), perform a test drive of the vehicle to attempt to duplicate the DTC.

   ⚠️ **Note:** It may take two drive cycles for the MIL to illuminate.

   If after swapping the glow plug, the DTC follows the glow plug, there is a faulty glow plug. Replace the flow plug. **If the DTC stays in the same cylinder after swapping the glow plug, continue to 3.**

3. Check the glow plug wiring harness and connectors. While checking the harness you can monitor MVW 141 or in UDS equipped vehicles, monitor the Miximal_Cylinder_Pressure_Cylinder_X values for each cylinder while manipulating the harness and connectors, watching for changes in the readings. If the harness is found to be at fault, perform the appropriate repairs to the harness (overlay).

Warranty

This TSB is informational only and not applicable to any Audi warranty.

Additional Information

All part and service references provided in this TSB (**2067792**) are subject to change and/or removal.

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