

AUDI P13CF: SENSOR FOR INTERNAL PRESSURE OF CYLINDER 1 SHORT CIRCUIT TO GROUND

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$100-\$250
Can I Still Drive?	:	No

What Does The Audi P13CF Code Mean?

This DTC indicates there is a short to ground circuit in the internal pressure sensor of cylinder 1.

How Can You Fix The Audi P13CF Code?

Step 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 the next step.

Step 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.

Step 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).

Reference Sources

[Technical Service Bulletin for P13CF](#) - Audi of America, Inc; 2010–2014 A3 TDI & 2015 A3 Sportback TDI