

**SUBJECT****B38, B46 and B48 Engines: Drivability Complaints with Crankshaft Sensor Fault****MODEL**

F55 (Cooper, Cooper S)

F56 (Cooper, Cooper S, JCW)

With manual transmission

SITUATION

The vehicle exhibits one of the following complaints:

- Loss of power when idling
- At a higher engine speed (above 3,000 rpm), a brief decrease in the engine speed can be felt.
- Extended cranking before the engine will start
- The customer notices an increased level of "free play" in the clutch pedal when changing gears.
- The clutch pedal remains depressed and will not return to the disengaged position.
- Emergency operation is active with one or more of the faults listed below.

Faults stored in the vehicle:

- 160020 Crankshaft sensor, signal: implausible
- 180001 Catalytic converter: efficiency too low
- 200D0C Powertrain, safety function: bus signal rpm reduction implausible
- 11A002 Fuel high pressure, plausibility: Pressure too low
- 1F054D Powertrain, safety function: powertrain reduced power, DSC-signal implausible
- 120408 Boost pressure control: Shut-down as a consecutive reaction

PROCEDURE

Submit an engine TeileClearing case with "Crankshaft Sensor Fault" in the subject line, and wait for a response.

WARRANTY INFORMATION

Not applicable.

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