

**SUBJECT****CCM “Drivetrain: Drive Moderately” with Misfire Faults Stored****MODEL**

F56 (Cooper S)

Produced to 7/2014

With the B48M engine

SITUATION

The Check Control Message “Drivetrain: Drive Moderately” is displayed; however, the engine is performing normally.

Misfire faults are stored **only** in the following cylinder combinations:

Cylinder 1 and cylinder 4

- Fault 140001: Combustion misfires, several cylinders: Fuel injection is switched off
- Fault 140010: Combustion misfires, several cylinders: detected
- Fault 140101: Combustion misfire, cylinder 1: Fuel injection is switched off
- Fault 140401: Combustion misfire, cylinder 4: Fuel injection is switched off
- Fault 140110: Combustion misfire, cylinder 1: detected
- Fault 140410: Combustion misfire, cylinder 4: detected

Or:

Cylinder 2 and cylinder 3

- Fault 140001: Combustion misfires, several cylinders: Fuel injection is switched off
- Fault 140010: Combustion misfires, several cylinders: detected
- Fault 140201: Combustion misfire, cylinder 2: Fuel injection is switched off
- Fault 140301: Combustion misfire, cylinder 3: Fuel injection is switched off
- Fault 140210: Combustion misfire, cylinder 2: detected
- Fault 140310: Combustion misfire, cylinder 3: detected

CAUSE

Unfavorable DME software

CORRECTION

Note: If another combination of misfire faults is found or is only stored on one cylinder, perform troubleshooting in accordance with the ISTA test plan.

Program the vehicle using the latest version of ISTA/P.

F56

Target integration level: **F056-14-07-502** or higher

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

Always connect a MINI approved battery charger/power supply ([SI M04 08 09](#)).

If VANOS control faults continue to set with the improved DME software, further diagnosis will be necessary in order to identify the cause to make the correct repair.

WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty or the MINI NEXT Certified Pre-Owned Limited Warranty.

This repair is also covered by the terms of the Federal and/or State-specific Emissions Warranty (vehicle model year and state of registration dependent) that applies to the MINI models listed.

The MINI NEXT Certified Pre-Owned Limited Warranty applies to MINI vehicles that have and are still within the MINI NEXT coverage period, but beyond Emissions Warranty coverage that applies.

Defect Code:	10 42 31 59 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as Charging battery)
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Even though work time labor operation code 61 00 006 ends in “006,” it is not considered a Main labor operation.

Work time (WT) labor operation 61 00 006 requires an individual punch time.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

If control module(s) fail to reprogram or initializations are required, the additional work must be claimed using separate labor operations found in KSD2 under the defect code listed above.

Other Repairs

If performing ISTA diagnostics and related test plans results in other eligible and covered work, claim this work with the applicable defect code and labor operations listed in KSD2.

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