

SB-10054629-5344

SI M12 01 13
Engine Electrical Systems

November 2013
Technical Service

This Service Information bulletin supersedes SI M12 01 13 **dated February 2013**.

NEW designates changes to this revision

SUBJECT

N16 Engine: FC 2D9B Knock Sensor, Signal Is Stored in the DME

MODEL

R55 Cooper Clubman

R56 Cooper

R57 Cooper Convertible

R58 Cooper Coupe

R59 Cooper Roadster

R60 Cooper Countryman

NEW SITUATION

Certain areas of the US experience extremely cold climate conditions during the winter months, which can cause the Service Engine Soon lamp to illuminate while the engine temperature is increasing to full operating temperature. The following fault may be stored in the DME:

- FC 2D9B Knock Sensor, Signal

NEW CAUSE

Unfavorable DME knock sensor diagnostic at outside ambient temperatures below -5° C

NEW PROCEDURE

Perform the recommended test module using ISTA/D 3.39.0 or higher.

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

Target Integration level: R056-13-07-500 or higher.

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

Note: When the ISTA system message displays:

Battery voltage only “XX.XX” V. Please connect charger.

Please note the displayed battery voltage reading in the repair order comments section. This

documentation is not necessary when part of an approved Technical Service repair procedure; the battery charger is required to be attached before performing the Vehicle Test.

NEW WARRANTY INFORMATION

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

Defect Code:	12 14 08 14 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and if necessary, also		
61 21 528	Refer to KSD2	Charging battery
and		
61 00 710	Refer to KSD2	Programming/encoding control unit(s) not including the CAS
or		
61 00 720	Refer to KSD2	Programming/encoding control unit(s) with CAS

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.

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 a control module was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

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