



This Service Information bulletin supersedes SI M12 12 14 **dated September 2014.**

#### SUBJECT

**VANOS Faults Stored in DME (Bosch)**

#### MODEL

F55

F56

Engine B38 and B48 only

#### SITUATION

The Service Engine Soon (MIL) is on and the engine could go into a reduced power mode with the “Drivetrain Malfunction” message displayed.

One or more of the VANOS faults (listed in the attachment) are stored in the DME, although the engine is mechanically sound and no unusual noises can be heard from the VANOS area.

#### CAUSE

Due to unfavorable Engine Position Management (EPM) parameters in the DME software, various VANOS control faults could be set.

These control faults relate to implausible camshaft position (intake or exhaust), the camshaft stuck situation, or the camshaft angle offset to crankshaft outside the tolerance range.

#### CORRECTION

ISTA/D analysis and new DME software if required

#### PROCEDURE

1. Perform the recommended test plans using the latest version of ISTA/D. Correct any VANOS hardware issues found, as indicated by the test plan.
2. After performing necessary repairs, or in case the ISTA test plan is inconclusive, program the vehicle with ISTA/P as specified in the following table:

**NEW** Table 1 - Engine B38 and B48

Fault Codes	Model	ISTA/P version / Target Integration Level
All	F55, F56	2.53.0 / F056-14-07-502 or higher

#### 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.

<b>Defect Code:</b>	<b>10 42 31 59 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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 KSD 2 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)

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

**NEW** Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

**NEW** Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

### **NEW** Vehicle Programming and Encoding

**NEW** If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

**NEW** The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults

which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

### **Other Repairs**

**NEW** If other eligible and covered work is performed “prior” to programming and coding the vehicle, claim this work with the applicable defect code and labor operations listed in KSD2.

### **ATTACHMENTS**

View PDF attachment [M121214 VANOS faults](#).

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