



SUBJECT

B38M Shuts Off when Placed into Gear After Cold Engine Start

MODEL

F56 (Cooper)

With the AISIN automatic transmission

SITUATION

After a cold start, the engine idles poorly and could shut off when the transmission is placed into Reverse or Drive position.

CAUSE

Unfavorable DME software

CORRECTION

Program the vehicle using ISTA/P 2.53.2 or later.

Target integration level: F056-14-07-503 or higher.

If engine idle speed adjustments were made previously, they must be reset to the default value of 0 RPM.

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](#)).

PROCEDURE

- Perform a vehicle test and make sure any relevant faults are diagnosed fully and resolved.
- Inspect the intake system and ensure all connections are properly assembled and secure.
- Check that the base idle speed adjustments are set to 0 RPM using the ISTA Service function.

Test plan path:

Service Functions / 01 Engine / Engine electronics MEVD / Adjustment functions / Idle speed

- With the engine at operating temperature, all five available functions should be at the default value of 0 RPM. If not, follow the test plan prompts to program and save these values in the DME.

Once completed, the following calculated idle speed adjustments are set and shown in the test plan:

PARTS INFORMATION

1.	Air conditioning on	0
2.	Drive position engaged	0

3.	A/C and drive position	0
4.	Low battery voltage	0
5.	Normal	0

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:	10 31 03 09 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 KSD 2 as Charging battery)
and		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)
And, if applicable		
61 00 006	2 FRU	Work time to perform the “idle speed adjustment” test plan

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. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

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.

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