



This Service Information bulletin supersedes SI M12 16 14 **dated January 2015**.

NEW designates changes to this revision

SUBJECT

When Warm, Engine Fails to Start with Valvetronic Fault 135608 Stored

MODEL

F55 (4-door Hardtop)

F56 (2-door Hardtop)

With the B38M, B46M, and B48M engines

SITUATION

The engine cannot be started once it is already warm.

The Valvetronic (VVT) is fixed at a minimum lift position. The following fault is stored in the DME memory:

- 135608 – Valvetronic: No movement identified

CAUSE

Under investigation: possibly caused by a DME software error

CORRECTION

1. The VVT must be manually released from the lower position by rotating the Valvetronic motor shaft 90° clockwise (as shown in the attachment).
2. Perform the ISTA Service Function to “Learn Valvetronic limit positions” – **this must be done five times:**

Service Functions / 01 Engine / Engine electronics / Adjustment functions / Learn Valvetronic limit positions

Important notes:

In early versions of ISTA, an erroneous error stating that the lower limit was not learned, could occur when performing this learning service function.

This has been corrected with ISTA 3.46 and later.

If this fault occurrence has resulted in a breakdown, or if the customer states that the engine has not started (intermittently or permanently), the starter must also be replaced.

Also, during a **regular workshop visit** not based on a customer complaint, the starter must also be replaced if either of the following faults situations is found with ISTA:

1. DME fault 135608, “Valvetronic: No movement identified,” has occurred **10 times or more**.

Or:

2. BDC fault 8040B5, “Engine start fault when the starter is operated: Engine does not start when activated,” is stored **at the same time as DME fault 135608**, regardless of the number of occurrences.

On all vehicles with MSA, the Service Function to “register” a replacement starter must be performed:

Service Functions / 01 Engine / Engine start / Register starter exchange

PARTS INFORMATION

Part Number	Description	Quantity
Refer to EPC	Starter	1, if needed

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:	NEW 12 14 90 05 00	
Labor Operation:	Labor Allowance:	Description:
00 62 218	8 FRU	Performing “vehicle test” (includes connecting an approved battery charger/power supply), release VVT system manually and carry out the service function five times (Main Work).
Or:		
00 62 873	7 FRU	Performing “vehicle test” (includes connecting an approved battery charger/power supply), release VVT system manually and carry out the service function five times (Plus Work – Vehicle already in the workshop).

Or:

NEW With replacing the starter motor, if necessary

Labor Operation:	Labor Allowance:	Description:
00 62 219	14 FRU	Performing “vehicle test” (includes connecting an approved battery charger/power supply), release VVT system manually, carry out the service function five times

		and replace the starter motor (Main Work).
Or:		
00 62 874	13 FRU	Performing “vehicle test” (includes connecting an approved battery charger/power supply), release VVT system manually, carry out the service function five times and replace the starter motor (Plus Work – Vehicle already in the workshop).

ATTACHMENTSView PDF attachment [M121614 VVT Release.](#)

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