



SI M12 09 17
Engine Electrical Systems

May 2018
Technical Service

THE ENGINE STARTER INTERMITTENTLY DOES NOT CRANK OVER

New information provided by this revision is preceded by this symbol  .

This Service Information bulletin supersedes SI M12 18 17 dated **November 2017**

What's New:

- Affected production period changed

MODEL

F54 (Cooper, Cooper S, JCW Clubman)	F55 (Cooper, Cooper S, JCW Hardtop 4 door)	F56 (Cooper, Cooper S, JCW Hardtop 2 door)	F57 (Cooper, Cooper S, JCW Convertible)
F60 (Cooper, Cooper S, JCW Countryman)			

Produced from 10/3/16 to 3/6/18 with automatic transmission

SITUATION

The engine will not start, either consistently or intermittently.

The following check control message (CCM) appears:

- “Starter motor/ignition defect. Engine start not possible”

Any of the following fault codes may be logged:

- 804095- Engine does not start while starter motor is operating: Current overload driver KL50L BDC (Body Domain Controller)
- 804095- Driver KL50L: Current overload FEM (Front Electronic Module)
- 930730- Driver KL50L: Current overload CAS (Central Access System)

CAUSE

The starter motor is defective.

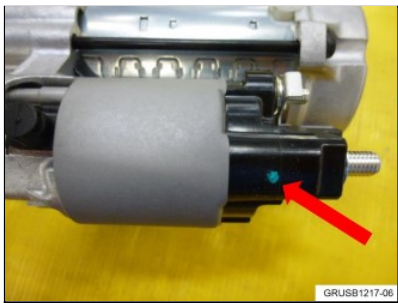
CORRECTION

Check the engine cranking voltage. Replace the starter motor if needed.

PROCEDURE

1. If the engine does not start and the voltage is greater than 8 volts at terminal 50 while the starter is cranking, the starter motor must be replaced.

2. If the engine starts but one or more of the faults above are logged, replace the starter.





Attention: When installing a new starter motor, verify that the new part is either marked with a green dot or index 07 and higher. This identifies a technical improvement of the component.



Note: The fault may be logged in any of the three modules BDC, FEM or CAS. Do not replace any of these modules, because the root cause is the starter.

PARTS INFORMATION

Part Number	Description	Quantity
12 41 7 645 980	Rmfd-starter motor	1

WARRANTY INFORMATION

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

Defect Code:	1241001200	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And, as necessary:		
12 00 009	Work time	Troubleshooting
And:		
12 41 520	Refer to KSD2	Removing and installing/replacing starter motor (Plus work)

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

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

Work time labor operation code 12 00 009 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.

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