



SIM 13 01 19

2019-08-15

LIN BUS COMMUNICATION FAULT FOR ENVIRONMENTAL AIR CATALYST (EAC) SENSOR FC1B8302

MODEL

F54 (MINI Clubman)	F55 (MINI Hardtop 4 Door)	F56 (MINI Hardtop 2 Door)	F57 (MINI Convertible)
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Up to 7/2016 production with the B36M and B46M engines

SITUATION

The malfunction indicator lamp light is on (MIL) with the following fault code stored in the DME:

Fault code	Control module	Fault code text
1B8302	DME	LIN bus, communication (EAC sensor): missing

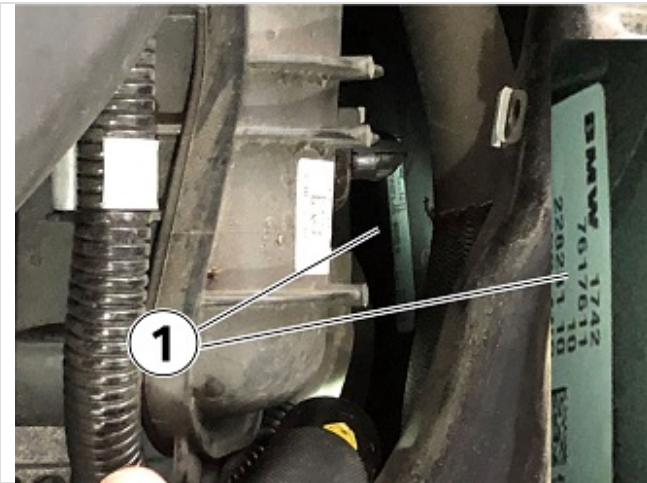
CAUSE

The chemical composition of the fan shroud contaminates the EAC sensor.

CORRECTION

Replace the radiator with EAC sensor and, if necessary, replace the fan shroud.

PROCEDURE



In conjunction with replacing the radiator, check the part number of the fan shroud (1).

The fan shroud which can contaminate the EAC sensor is PN 17 42 7 637 189.

Replace the PN 17 42 7 637 189 fan shroud with PN 17 42 8 742 712 when replacing the radiator.

PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity
Refer to ETK or AIR	Radiator	1
17 42 8 742 712	Fan shroud (600W-850W)	1
82 14 0 031 133	Coolant (1 Gallon)	See sublet below

WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty, and when applicable, the state-specific emission limited warranty.

For the B46M PZEV (SULEV) engine vehicles, the limited emission warranty is 15 Years/150,000 miles in CA and the other CARB states except for the states of DE, OR, PA and WA where the limited emission warranty is 7 years/70,000 miles.

Defect Code:	1362191200	PremAir sensor/EAC sensor (cooler test sensor) permanently failed
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)
And:		
17 11 501	Refer to AIR	Replacing the radiator
Or:		
17 11 505	Refer to AIR	Replacing the radiator (coolant drained and refilled with another repair during the same workshop visit)

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 AIR for the corresponding flat rate unit (FRU) allowances.

Sublet – Bulk Materials (RO and Claim Comments Required)

Sublet Code 4	Sublet amount	Reimbursement for the repair-related bulk material (Do not use the part number for claim submission)
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Sublet reimbursement calculation for claiming repair-related bulk materials (MINI part number) is at the dealer net price for the quantity used plus your dealer's handling.

MINI Antifreeze/Coolant: Claim the corresponding dollar amount for the quantity needed to replace what was drained with a 50/50 coolant/water solution.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.