



ERRONEOUS ELECTRIC FAN FUNCTION FAULT STORED IN THE DME

MODEL

G01 (X3 Sports Activity Vehicle)	G02 (X4 Sports Activity Vehicle)	G12 (7 Series Sedan)	G30 (5 Series Sedan)
G32 (6 Series Gran Turismo)			

Equipped with the B46O, B58M, or XB1H engine

SITUATION

The following faults may be erroneously stored in the Digital Motor Electronics (DME):

Fault code:	Control module:	Fault code text:
1A2806	DME	Electric fan, function: limited operation
1A4007	DME	Electric fan, function: Operating mode implausible

And:

There is **no** customer-facing vehicle symptom(s) or related check control message displayed.

CAUSE

A software error may cause these faults to be erroneously stored in the Digital Motor Electronics (DME).

CORRECTION

The faults may **only** be considered erroneous if described as such in the following procedure.

In **all other circumstances and conditions**, the faults should be regarded as real faults and diagnosed with ISTA as needed.



Note: Evaluation of the fault pattern is planned to be incorporated in ISTA. This change is expected

to be implemented in ISTA 4.18.1x (expected availability early July 2019)

PROCEDURE

Read out the environmental conditions and time stamps for 1A4007 and 1A2806.

If both faults were stored simultaneously **or** 1A4007 was stored up to 15 seconds after fault 1A2806 **and** the fault counter for each fault is 1, perform the following:

1. Delete the fault memory
2. Cycle the terminal status (ignition off, wait 30 seconds, ignition on)
3. Activate the electric fan with ISTA for one minute

Path for electric fan activation:

- Control unit functions
 - Component activation
 - General
 - Electric fan activation
4. Cycle the terminal status (ignition off, wait 30 seconds, ignition on)
 5. Activate the electric fan a second time for one minute
 6. If neither of the faults have returned, they should be regarded as an erroneous fault and should be ignored

WARRANTY INFORMATION

In conjunction with the ISTA diagnosis of un-related issue(s), covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	17 11 11 99 00	Electric fan Fault code stored in diagnosis fault code memory (no warning lamp)
Labor Operation:	Labor Allowance:	Description:
61 00 980	Refer to AIR	Continue the vehicle test and perform a quick delete
And:		
61 00 006	2 FRU	Work time for evaluation of the fault codes as outlined in the procedure

Work time labor operation code 61 00 006 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. However, it still requires an explanation on the repair order and in the claim comments section.

Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and the labor operations (including diagnosis) that are listed in AIR.

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