



SUBJECT

Electric Vacuum Pump Intermittent Failure

MODEL

F30H (ActiveHybrid 3)

F10H (ActiveHybrid 5)

F02H (ActiveHybrid 7)

Produced to 1/2013

SITUATION

The check engine light (CEL) is illuminated and the MSA malfunction check control message is present. No electric driving is possible. This situation may be intermittent or permanent.

The following fault codes are stored in the Electric Machine Electronics (EME):

- 2202ED - Brake-servo assistance: Mechanical ventilation flap control blocked, time threshold 2 exceeded
- 2202EC - Brake-servo assistance: Mechanical ventilation flap control blocked, time threshold 1 exceeded

CAUSE

Internal mechanical failure of the electric vacuum pump.

If intermittent, this leads to reduced vacuum and thus the associated fault codes. If not repaired, the amount of damage to the pump will increase to the point of a permanent failure.

PROCEDURE

Replace the vacuum pump with the updated part, P/N 34 33 6 857 404, per Repair Instruction REP 34 33 200, "Removing and installing/replacing electric vacuum pump."

Note: The vacuum pump must be replaced even if it functions correctly during ISTA/D test plan "AT1236_E2ELUP - Electrical vacuum pump."

PARTS INFORMATION

Part Number	Description	Quantity
34 33 6 857 404	Vacuum Pump	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program.

Specific eligible repairs may also be covered by the terms of the Federal, State or BMW Emissions Warranty.

To determine if any applicable Federal, State or BMW Emissions Warranty coverage applies prior to performing repairs, please see SI B01 02 11 or “Emissions Warranty Coverage” and refer to the “Glossary of Emission Coverage” attachment for more information.

Defect Code:	34 33 10 15 00	
Labor Operation:	Labor Allowance:	Description:
00 00 556	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and if necessary, also		
61 21 528	Refer to KSD2	Charging battery
and		
34 33 710	Refer to KSD	Replacing electric vacuum pump

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.

Other Repairs

If performing other ISTA diagnostics and related test plans results with **eligible and covered work**, claim this work with the applicable defect code and labor operations listed in KSD2.

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