



EME GROUND CONNECTION MONITORING FAULTS

MODEL

F30 PHEV (330e iPerformance)	G12 PHEV (740e xDrive iPerformance)	G30 PHEV (530e iPerformance)
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SITUATION

Check Control message (CCM ID 794): "Drive. Check as soon as possible" illuminates.

The following faults are saved:

Fault code	Control module	Text
030FA1	EME	ground connection monitoring: Threshold value 1 exceeded
030FA2	EME	ground connection monitoring: Threshold value 2 exceeded

CAUSE

Increased ground cable contact resistance at Electrical Machine Electronics (EME) due to corrosion/oxidation.

CORRECTION

Clean grounding cable mounting surfaces at EME.

PROCEDURE



Important warning for working on the high-voltage systems on PHEV Sedans:

Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information is found in Repair Instruction 61 00... Observe safety instructions when handling electric vehicles.



GRUSB1219-00

1. Remove both grounding cables at the EME
G30 shown; ground location for other models are similar.



- Clean the contact surface of both grounding cables and the ground support point at the EME using 1200 grit emery cloth or equivalent to remove any corrosion or oxidation.

- Reattach both grounding cables. Tighten to 19 Nm.



Note: Parts replacement will not provide a solution to this situation.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code	61 12 66 75 00	Grounding cable/ground cable/potential equalization (hybrid/e-vehicle) Corrosion
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:		
61 25 910	Refer to AIR	Recharging high-voltage battery unit (to high voltage charging socket)
And:		
61 00 009	3 FRU	Work time to clean the contact surface of both grounding cables and the ground support point at the EME

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

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

Work time labor operation code 61 00 009 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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