




KLE CHARGING FAULT 21E6E9

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

This Service Information bulletin replaces SI B61 13 16 **dated July 2016**

What's New:

- Updated Situation to reflect behavior on G12 and G30 vehicles
- New correction including possible replacement of KLE
- Questions added to procedure to help diagnosis

MODEL

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

During the ISTA short test diagnosis, fault code 21E6E9 – “Charging electronics: Charging mode interrupted” is found stored in the KLE (Convenience Charging Electronics) module.

Also, possibly customer may complain that the CCM “Charging Not Possible” has been shown (CCM 804) and the indicator light on the charging socket was illuminated red.

CAUSE

Possible hardware defect of KLE, or power grid voltage fluctuations.

CORRECTION

Follow the procedure below.

PROCEDURE

Evaluate the EME (Electrical Machine Electronics) and KLE fault memories.

Was there a customer complaint of charging issues or charging interruptions?

NO - ignore KLE FC 21E6E9 and delete it. (Fault is likely caused by intermittent power grid fluctuations)

YES – Submit a TC Case for possible KLE replacement.

A few questions for the customer that may help with diagnostics and reporting are:

- Was the vehicle plugged into a home charging station or a public installation? If at home, did it trip the circuit breaker?
- Was the vehicle inside or outside when the fault occurred?
- How frequently is this vehicle charged?

- Has this charging issue occurred in the past? If so, how often?

PARTS INFORMATION

Part Number	Description	Quantity
Refer to ETK	KLE (Convenience Charging Electronics)	1

WARRANTY INFORMATION

For TC Case approved KLE replacements, covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	6144011500	
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:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging socket)
And:		
61 44 502	Refer to KSD2	Replacing convenience charging electronics (After vehicle diagnosis)
And:		
61 00 730	Refer to KSD2	Programming / encoding control unit(s)

And, as necessary:

Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk material(s), BMW part number(s), please do not use the part numbers for claim submission
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Sublet reimbursement calculation for claiming the "used quantities" of repair-related bulk materials (BMW part numbers) is at dealer net plus your center's handling.

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

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