



UPDATE! **VOLUNTARY EMISSIONS RECALL CAMPAIGN 17E-A01:
CHECK CHARGING OF THE HIGH VOLTAGE BATTERY**

Bulletin type was changed from a Service Action to an Emissions Recall.

New information provided by this revision is preceded by this symbol **UPDATE!**.

Please perform the procedure outlined in this Service Information on all affected vehicles prior to customer delivery, or the next time the vehicle is in the shop.

This Service Information bulletin replaces SI B61 08 17 **dated April 2017**

MODEL

F15 PHEV (X5)

AFFECTED VEHICLES


UPDATE! This Emissions Recall Campaign affects F15 PHEV (X5) vehicles (total of 1,380) produced from September 22nd, 2015 to December 23rd, 2016.

UPDATE! First check if a Recall Completion Label, SD 92-435 for this campaign is already attached to the underside of the hood on the right (passenger) rear close to the windshield.

UPDATE! If the label is present, the Campaign has already been performed and no further action is necessary.

UPDATE! Affected vehicles which require this Emissions Recall Campaign to be completed will show it as "Open" when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

LABEL INSTRUCTIONS

 <p>EMISSIONS RECALL CAMPAIGN COMPLETED</p>
<p>RECALL</p> <p>CAMPAIGN NO.</p> <p>DEALER CODE NO.</p> <p>BMW of North America, LLC Woodcliff Lake, N.J. 07677</p> <p style="text-align: right;">SD 92-435</p> <p style="text-align: right;">GRUSB1212-01</p>

After the vehicle has been checked and corrected, obtain a label (SD 92-435) and with the indelible marker provided, legibly print the Recall name, Recall number, and dealer code (5 digits) on the "Emissions Recall Campaign Completed Label" (see illustration).

Note: Additional labels can be ordered online at BMW TIS.

UPDATE! For California centers only: It is required by the California Code of Regulations that an executed orange "Vehicle Emission Recall - Proof of Correction" certificate (SD92-084, see illustration) be provided to each customer (for vehicles registered in the state of California), once the Recall on his or her vehicle has been completed.

SITUATION

High-voltage charging system may not work correctly.

Alternative Mobility Solutions (AMS) Reimbursement

This BMW Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement. Please refer to SI B01 29 16 for claim submission details.

CAUSE

Intermittent hardware failure of the charging module (KLE).

CORRECTION

Check the HV KLE Charging Module according to the procedure below.

PROCEDURE

1. Check if the VIN number of the affected vehicle is listed in the table of 114 VINs below.

0S75784	0S78852	0S79049	0S79142	0S79236	0S79347
0S75913	0S78860	0S79052	0S79144	0S79239	0S79352
0S77376	0S78868	0S79054	0S79145	0S79245	0S79376
0S77605	0S78937	0S79055	0S79148	0S79248	0S79405
0S77610	0S78984	0S79056	0S79154	0S79268	0S79411
0S77716	0S79002	0S79064	0S79155	0S79272	0S79439
0S77735	0S79010	0S79073	0S79157	0S79277	0S79445
0S77825	0S79011	0S79075	0S79160	0S79279	0S79452
0S77845	0S79013	0S79077	0S79164	0S79282	0S79465
0S77930	0S79015	0S79078	0S79167	0S79286	0S79473
0S77961	0S79021	0S79079	0S79174	0S79293	0S79479
0S78126	0S79027	0S79095	0S79184	0S79300	0S79480
0S78352	0S79029	0S79101	0S79196	0S79303	0S79498
0S78495	0S79031	0S79103	0S79208	0S79315	0S79508
0S78518	0S79032	0S79110	0S79213	0S79319	0S79510
0S78798	0S79033	0S79116	0S79218	0S79324	0S79518
0S78810	0S79034	0S79118	0S79224	0S79327	0S79559

OS78840

OS79042

OS79125

OS79231

OS79328

OS79566

a. **NO** – Continue to step 2.

b. **YES** - The KLE charging electronics module needs to be replaced. Follow the ISTA RA61 44 502 repair instruction (Removing and installing/replacing the KLE).

- i. After KLE replacement, vehicle needs to be programmed/coded using the latest version of ISTA Next.

Note that ISTA Next will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW approved battery charger/power supply ([SI B04 23 10](#)).

For information on programming and coding with ISTA/P, refer to: CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation



Note: For warranty information use the “Warranty Information (Scenario 1)”



2. Connect Level 2 (220V) charging cable to the vehicle.

Wait 15 seconds until the “Charging Active” blue light is illuminated.



3. **Repeat this step 20 times. Was “Charging Active” indicated in every (all 20) charging cycle attempt?**

YES — there are no further actions needed. The KLE charging module is working correctly.

NO — Continue to next step.

4. If the charging port indicator light flashes red (“Charging error”), connect vehicle to ISTA diagnostics and read vehicle’s fault memory.

Is KLE fault code 21E64A (Charging electronics, internal fault step down converter voltage sensor measured value outside set-point) stored?

YES — Go to next step.

5. The KLE charging electronics module needs to be replaced. Follow the ISTA RA61 44 502 repair instruction (Removing and installing/replacing the KLE)

6. After KLE replacement, vehicle needs to be programmed/coded using the latest version of ISTA Next.

Note that ISTA Next will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW approved battery charger/power supply ([SI B04 23 10](#)).

For information on programming and coding with ISTA/P, refer to: CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation

PARTS INFORMATION

Please refer to the Parts Matrix for parts ordering procedure.

Part Number	Description	Quantity
61 44 8 688 887	Charging module KLE	1

WARRANTY INFORMATION

Scenario I (VIN is included in the VIN table above and this campaign shows open)

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

Defect Code:	0061510400	
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Completion "before" vehicle delivery to the customer or the vehicle is already in the workshop

Labor Operation:	Labor Allowance:	Description:
00 64 874	32 FRU	Replacing the convenience charging electronics (includes programming and coding, connecting an approved battery charger/power supply and performing a vehicle test) (Plus work)

Or:

Completion after vehicle delivery to the customer

Labor Operation:	Labor Allowance:	Description:
00 64 307	34 FRU	Replacing the convenience charging electronics (includes programming and coding, connecting an approved battery charger/power supply and performing a vehicle test) (Main work)

Scenario II (This campaign shows open and the KLE test procedure was performed)

Reimbursement for this Recall will be via normal claim entry utilizing the following information:

Defect Code:	0061500400	
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Completion "before" vehicle delivery to the customer or the vehicle is already in the workshop

Labor Operation:	Labor Allowance:	Description:
00 64 875	3 FRU	Testing HV charging with charging cable (no further action is need) (Plus work)
Or:		
00 64 876	35 FRU	Testing HV charging with charging cable and replacing the KLE (includes programming and coding, connecting an approved battery charger/power supply and performing a vehicle test) (Plus work)

Or:

Completion after vehicle delivery to the customer

Labor Operation:	Labor Allowance:	Description:
00 64 308	5 FRU	Testing HV charging with charging cable (no further action is needed) (Main work)
Or:		
00 64 309	37 FRU	Testing HV charging with charging cable and replacing the KLE (includes programming and coding, connecting an approved battery charger/power supply and performing a vehicle test) (Main work)

Vehicle Programming and Coding (with 00 64 874, 00 64 876, 00 64 307 and 00 64 309)

When ISTA/P automatically reprograms and codes all the vehicle's control modules that "currently do not have" the latest software and if one or more control module failures occur "during" this programming procedure:

- Please claim this "consequential" control module-related repair work under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

Other Repairs

Control module failures that occurred "prior" to performing this programming procedure:

- When "covered" under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations in KSD2/AIR.

ATTACHMENTS

View PDF attachment [17E-A01 Customer Letter](#).

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**BMW VOLUNTARY EMISSIONS RECALL CAMPAIGN
CHECK CHARGING OF THE HIGH VOLTAGE BATTERY
CAMPAIGN NUMBER: 17E-A01**



May 2017

Dear BMW Owner / Lessee:

Year Model, VIN: xxxxx

BMW of North America is dedicated not only to providing premium vehicles for our customers, but exceptional service as well. To ensure our vehicles are of the highest industry standards, BMW performs ongoing quality analyses throughout a model's life cycle.

Description of Issue

During a recent quality analysis, it was determined that the Convenience Charging Electronics module (KLE) of your vehicle may be subject to failure. Should the KLE internal component malfunction, it may not be possible to charge the high-voltage battery with the Occasional Use Cable (110 V) or with a wall-box charger (220 V). To correct this error, BMW is conducting a Voluntary Emissions Recall Campaign.

Description of Repair

The KLE charging module needs to be tested and if necessary, the module will be replaced.

We kindly request that you contact the service department of your authorized BMW center at your earliest convenience to arrange an appointment. The staff will schedule an ideal time for you to drop off the vehicle. This work will be performed free of charge by your authorized BMW center.

Failure to have this complimentary repair work performed could be determined as lack of proper maintenance of your vehicle and may jeopardize your full protection under the emissions warranty provisions.

For vehicles registered in the state of California: The California Department of Motor Vehicles, in conjunction with the Air Resources Board, has implemented the Registration Renewal/Recall Tie-In Program which requires the completion of the recall. Upon completion, you will receive a Proof of Correction Certificate. Please save the certificate since the California Department of Motor Vehicles may require it as proof of Emissions Recall Campaign completion.

Additional Information

If you are no longer the owner of this vehicle, please use the enclosed postage-paid postcard to provide us with the name and address of the new owner. If you are a lessor of this vehicle, please forward this letter to your lessee.

Should you have any questions regarding this campaign, please contact your authorized BMW center. If you need additional assistance, contact BMW Customer Relations and Services at 1-800-525-7417 or via email at CustomerRelations@bmwusa.com.

BMW remains committed to maintaining the highest level of automotive excellence, and we apologize for any inconvenience this repair may cause.

Sincerely,

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