




## High-Voltage Charging Cable Lock Malfunction


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

This Service Information bulletin supersedes SI B61 08 15 dated **March 2016**.

### What's new:

- Production start date changed
- Defect code changed
- Warranty information updated for each fault code diagnosis and repair

### MODEL

i3 (I01)	 Produced from September 1, 2013
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### SITUATION

One of the following situations can occur:

- The vehicle cannot be charged via the high-voltage charging procedure. The indicator light on the charging socket lights up white and does not change colors.
- The high-voltage charging cable cannot be unlocked and disconnected.

One of the following faults codes is also stored in the Charging Interface Module (LIM):

805532 "High-voltage charging socket: Lock on the charging plug, status implausible"

805503 "High-voltage charging socket: Charging plug lock, line disconnection"

### CAUSE

- The emergency-operation tensioning strap is jammed.
- The actuator drive for the charging socket is not working.



### PROCEDURE

1. Perform diagnosis with ISTA and identify that one of the fault codes listed above is stored in the LIM.
2. Refer to the attached procedure on how to troubleshoot and repair each fault code.
3. If neither fault is stored, then continue with standard troubleshooting to diagnose any other faults that are stored.

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

Always adhere to the relevant safety information in the repair manual when working on high-voltage vehicles.

## PARTS INFORMATION

Part Number	Description	Quantity
61 13 9 313 228	Drive unit power socket lock	1

**UPDATE!**

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

<b>Defect Code:</b>	<b>6113121100</b>	
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### Diagnosis

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")
Or:		
61 21 529	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "i3) (luggage compartment service cap removed)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging socket)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

And, in addition to the above diagnosis, when:

### Repairing the Fault Code 805503 Issue

Labor Operation:	Labor Allowance:	Description:
61 12 960	Refer to KSD2	Replacing the charging power socket

Or, when:

**Repairing the Fault Code 805532 Issue**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
61 12 970	Refer to KSD2	Reworking the charging power socket

Refer to KSD2/AIR for the corresponding flat rate unit (FRU) allowances.

**Other Repairs**

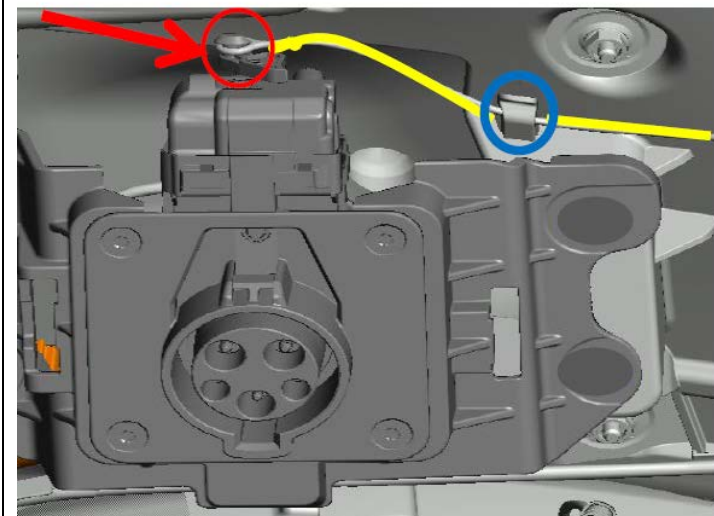
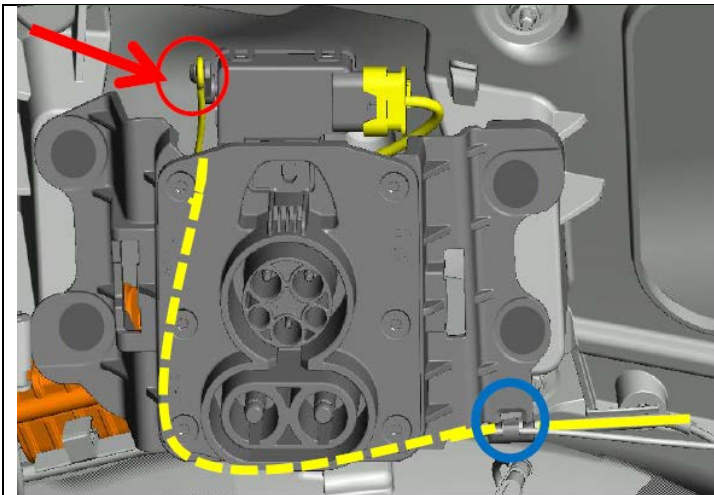
If other eligible and covered work is performed after carrying out the ISTA diagnostics and related test plans, claim this work with the applicable defect code and labor operations (including diagnosis) that are listed in the KSD2/AIR.

Posted: Monday, March 19 2018

**ATTACHMENTS**

View PDF attachment [B610815\\_Attachment](#).

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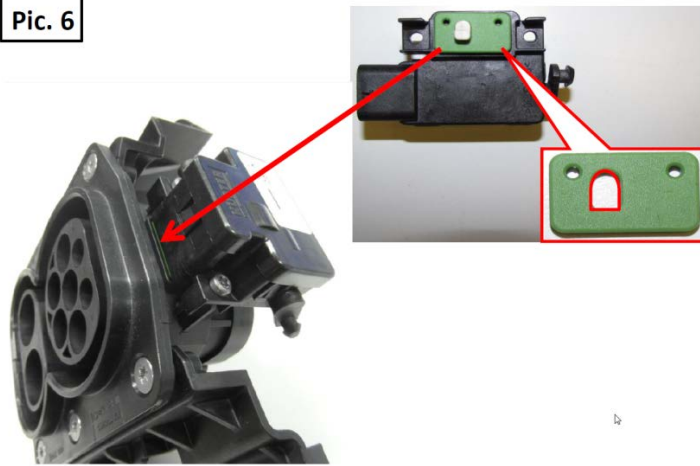
**PROCEDURE****LIM FAULT CODE 805532**

- Detach the tensioning strap from the actuator drive (indicated by the red arrow).
- Ensure that the tensioning strap can move freely in the guides (marked in blue). The tensioning strap must not be tensioned or under pressure.
- Position and secure the tension strap as needed.

- Check that the actuator drive can move freely by performing an ISTA function test. The test plan can be accessed via the following path:  
Function Structure / Body / Voltage Supply / Charge / High Voltage Charging Socket / "ABL High-Voltage charging socket"
- Replace the actuator drive if it fails the function test.
- Refer to ISTA Repair Instruction 67 11 595, "Remove and replace the actuator drive for the high-voltage charging cable."

**LIM FAULT CODE 805503**

Pic. 6



- Check the wiring at the actuator for any damage and repair, as needed.
- If the wiring is OK, replace the actuator drive for the charging cable lock.
- Refer to ISTA Repair Instruction 67 11 595, "Remove and replace the actuator drive for the high-voltage charging cable."
- Check that the green seal is installed correctly as shown.