



SI B61 11 16
General Electrical Systems

June 2018
Technical Service

THE CHARGING CABLE DOES NOT RELEASE FROM THE CHARGING SOCKET AFTER CHARGING

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

This Service Information bulletin supersedes SI B61 11 16 dated **September 2016**

Whats New:

- Reference added to SI in case emergency cable is damaged when used

MODEL

I3 (I01)	Produced from August 31, 2013 to October 27, 2014		
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Only applies to vehicles equipped with:

SA 4U7 Fast charging DC

SA 4U8 Fast charging AC

SITUATION

The charging cable does not release from the charging socket after charging.

CAUSE

High voltage charging socket housing tolerance prevents the lock actuator pin from mechanically disengaging from the charging cable.

CORRECTION

Modify the charging socket housing actuator pin hole as per the attachment.



PROCEDURE

1. Perform a vehicle test with ISTA and diagnose any charging system related faults.
 - If fault code 805503 "Charging connection: locking of charging plug, open circuit" is stored, follow the test plan recommendations to check the function of the charging lock actuator.
 - The repair outlined in this SI will not correct fault code 805503.
2. After all stored electrical faults have been diagnosed, and the actuator electrically works properly, follow the attached procedure to modify the charging socket housing.
3.  For situations where the emergency release cable was used and becomes damaged, refer to SI

[B61 16 17.](#)

WARRANTY INFORMATION

Procedure Step 1: If eligible and covered pre-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 listed in KSD2.

Procedure Step 2: In conjunction with and after performing "Procedure Step 1," the following repair is covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	6113121200	
Labor Operation:	Labor Allowance:	Description:
61 12 970	Refer to KSD2	Rework charger socket housing (includes 67 11 595)

Overlapping Labor – Other Repairs (Procedure Step 1)

If invoicing the KSD2 flat rate labor operation codes for the other repair work results in overlapping labor being claimed, invoice work time labor operation 00 50 000 instead for the additional time needed (FRUs minus the overlap).

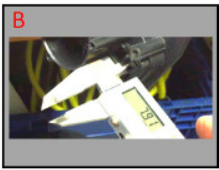
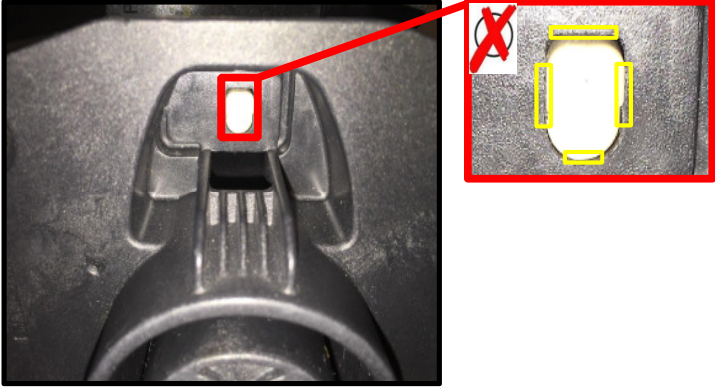
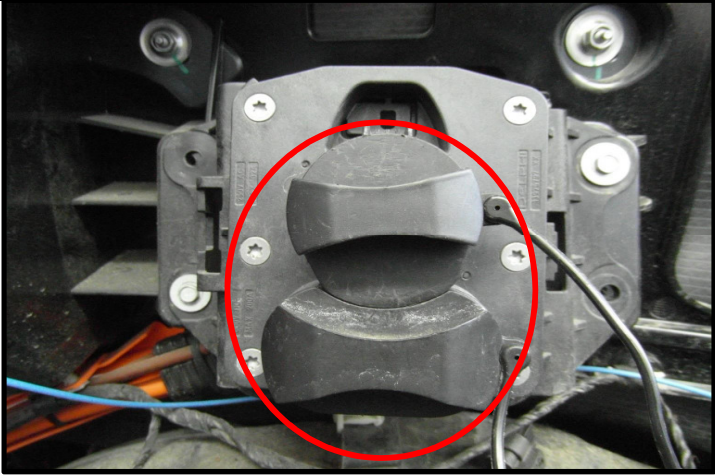
On the repair order and in the claim comment section, please identify the labor operations that labor operation code 00 50 000 replaces and itemize the claimed FRU amount.

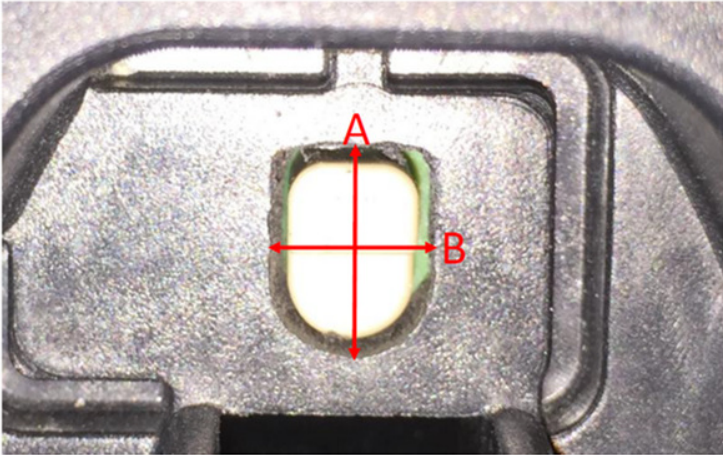
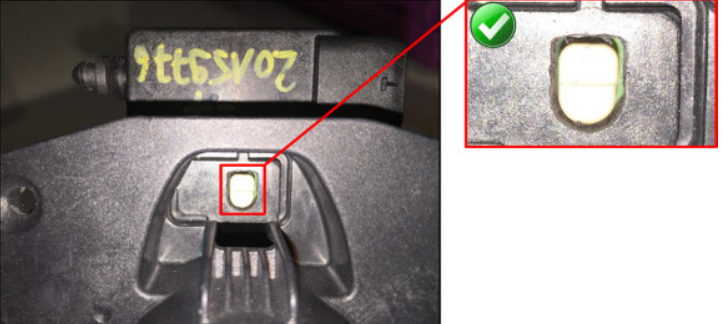
When work time labor operation 00 50 000 is used for work that will be claimed under a different defect code, separate punch time(s) are required.

ATTACHMENTS

View PDF attachment [B611116 Attachment.](#)

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  	The following tools will be needed in order to perform this repair. A. 5 Star safety socket bit or wrench B. Vernier Caliper C. File
	1. Visually inspect the actuator lock pin to see if it is binding in the hole in the highlighted areas as shown. The actuator pin should move easily when activated. 2. Did you find evidence of binding? YES- continue with Step 2. NO – diagnose with ISTA for charging system-related faults.
	3. Remove the actuator for the charging socket as per ISTA Repair instructions "67 11 595". Note: Use the 5 star safety bit to remove the 4 mounting screws. Note: Before starting the modification of the actuator pin hole (step 3), ensure that the covers are in place to prevent debris from entering the charging port.
	Note: When using the file to enlarge the hole, be careful not to come in contact with any carbon body panel.

	4. File the opening of the pin hole to the following diameter (measure with a Vernier caliper): A = 7.9 mm – 8.3 mm B = 5.8 mm – 6.0 mm Note: the rounded corners must still be in place. It is important that the original shape of the hole be preserved. Make sure that the edges are deburred and all filing debris removed.
	The graphics shown are examples of a good rework and poor reworks.
	5. After the modification is complete, reinstall the actuator for the charging socket as per ISTA Repair instructions "67 11 595". Note: Use the 5 star safety bit to tighten the 4 mounting screws to 1.2 Nm.