



SI B61 10 15
General Electrical Systems

SB-10058426-3128

June 2015
Technical Service

SUBJECT

i8: Retrofitting High-Voltage Battery Ground Cables

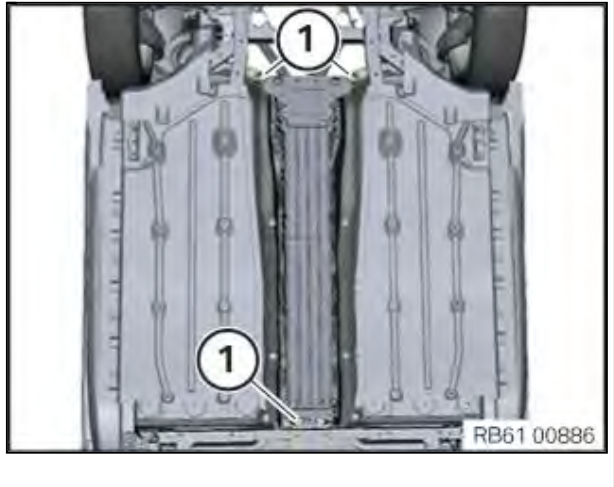
MODEL

I12 (i8)

SITUATION

After HV battery (or front axle support) removal and reassembly, HV battery grounding points contact resistance (on both axles) may increase. As a result, the HV battery housing grounding path (resistance value) will be incorrect.

PROCEDURE

	<p>If work was performed on the vehicle which made it necessary to loosen the M10 x 40 mm screw connections between the HV battery and front/rear axle carries (1), follow the procedure steps below.</p>
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1. Inspect whether the additional ground cables are already fitted between the HV battery housing and the front/rear axle carries. If the cables are not found, retrofit both ground cables using the repair instructions below:

REP61 27 950 "Retrofit the front ground cable"

REP61 27 951 "Retrofit the rear ground cable"

2. If the additional ground cables were already installed, clean the corresponding contact surfaces on the HV battery and front/rear axles, following appropriate precautions:

On all contact surfaces, sand the oxidized coating using a fine sandpaper (P500 or finer) with a planar sanding block.

Do not touch the contact surfaces after they have been sanded, and do not use any cleaning agents. Using cleaning agents (e.g., brake cleaner) may promote the formation of oxide coating.

To prevent oxidation of the surfaces, the M10 x 40mm screw connection for the grounding cables must be established within 10 minutes after sanding.

PARTS INFORMATION

Part Number	Description	Quantity
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61 12 9 385 040	Ground cable front	1
39 20 6 869 532	Blind rivet	1
07 11 9 908 516	M10 screw	1
07 12 9 904 655	M8 screw	2
61 12 9 385 042	Ground cable rear	1

WARRANTY INFORMATION

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

Covered under the terms of the BMW Certified Pre-Owned Program when necessary and performed in conjunction with the CPO covered repair.

Defect Code:	Refer to KSD2	Claim with the defect code that applies to the previous work that necessitated this additional work procedure to be performed
Labor Operation:	Labor Allowance:	Description:
61 99 000	7 FRU	Work time to retrofit both ground cables

Work time labor operation code 61 99 000 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 unless it also includes other work that needs to be claimed together with this work time labor operation.

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