



This Service Information bulletin supersedes SI B65 07 15 **dated April 2015**.

NEW designates changes to this revision

SUBJECT

Airbag Warning Light ON: Fault 930BE8, High-voltage System Shutdown

MODEL

I01 (i3 REx)

I12 (i8)

NEW Vehicles produced up to October 30, 2015

SITUATION

The airbag warning light in the instrument cluster is on, or the check control message (CCM) “Restraint system faulty” is displayed.

The advance crash safety module (ACSM4I) has fault code 930BE8 “High-voltage system switch-off Range extender Electrical Machine Electronics (REME)/battery management electronics: Resistance too high” stored.

CAUSE

A sporadically poor connection causes high resistance in the airbag ignition circuit.

NEW CORRECTION

- Replace the engine harness or
- Repair the poor connection at the REME and ACSM4I circuit

The appropriate correction will be based on the test plan recommendation.

PROCEDURE

Warning!

Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information may be found in REP 61 00... Observe safety instructions when handling electric vehicles.

For i8 vehicles that have the same fault, perform the following steps:

1. Diagnose the vehicle with ISTA. Follow the test plan ABL-DIT-Ignition circuits, or follow

this path: *Function Structure / 03 Body / Safety functions / Ignition circuits*. The test plan is for any airbag ignition circuits. The resistance reading will be displayed and shows OK (sporadic fault).

2. **NEW** The following question should appear in ISTA: “Has the line between the last intermediate connector and the range extender electric machine (REME) already been replaced?” Follow step 3
3. **NEW** Review the repair history and if the answer is NO, the engine harness needs to be replaced.

If the test recommendation is for repairing the connectors. Follow the next steps:

4. **NEW** Refer to ISTA for repairing the connectors; review the wiring diagram SP0000056895 and check the connections. Check A11*1B, X558*2B, X13*2B, and A274*1B for this circuit, or refer to the wiring diagram.
5. **NEW** Refer to REP 1251040 “Removing and installing/replacing wiring harness section for range extender electrical machine electronics (REME) (I01)”

NEW For i8 vehicles that have the same fault, perform the following steps:

1. **NEW** Refer to the ISTA test plan recommendation. Review wiring diagram SP0000057786 and check the connector and connections. Check A11*2B, X558*6B, and A270*1B for this circuit, or refer to the wiring diagram.
2. **NEW** Refer to REP 1243001 “Removing and installing/replacing the high voltage cable for starter motor generator (I12)”

NEW PARTS INFORMATION

The engine harness is requested by the test plan recommendation and review repair history.

For the I01 (i3 Rex) :

Part Number	Description	Quantity
12 51 7 636 973	Wiring harness for motor REME vehicles UP TO 8/2015 production	1
12 51 8 653 789	Wiring harness for motor REME vehicles FROM 8/2015 production	1

For the I12 (i8):

Part Number	Description	Quantity
12 51 7 641 814	For I12 (i8) Wiring harness for motor REME	1

WARRANTY INFORMATION

Replace the engine harness only if recommended by the test plan.

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:	12 51 12 81 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
NEW 61 25 910	Refer to KSD2	NEW Recharging high-voltage battery unit (to high voltage charging unit)
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
12 51 540	Refer to KSD	Remove and install/replace wiring harness sections for range extender electrical machine electronics

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

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

Work time labor operation code 61 00 006 is not considered a Main labor operation. However, it does require an individual punch time and an explanation in the claim comments section.

ATTACHMENTS

View PDF attachment [B650715_I01_Repair_Procedure.](#)

View PDF attachment [B650715_I01_Replace_Engine_Harness.](#)

View PDF attachment [B650715_I12_Repair_Procedure.](#)

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