

**SUBJECT**
Airbag Warning Lamp Illuminated
SB-10056097-5259
MODEL

F30H (ActiveHybrid3)

Produced to 6/30/14

SITUATION

An Airbag Warning lamp is illuminated and one or both of the following fault codes are stored in the Advanced Crash Safety Module (ACSM):

93099A	- Safety battery terminal 2: Resistance too high
93099B	- Safety battery terminal 2: Line connected incorrectly

These two faults can also be accompanied by one or more of the following fault codes in the ACSM. The faults below are the result of one or both of the faults above, and will be resolved after performing the following repair.

930997	- Safety battery terminal 2: short circuit to minus
930929	- Driver's seat belt tensioner: Line connected incorrectly
930953	- Knee airbag, front passenger Line connected incorrectly
93093B	- Seatbelt tensioner Passenger: Line connected incorrectly
93091D	- Front passenger airbag, stage 2: Line connected incorrectly
930911	- Airbag, driver, valve: Line connected incorrectly

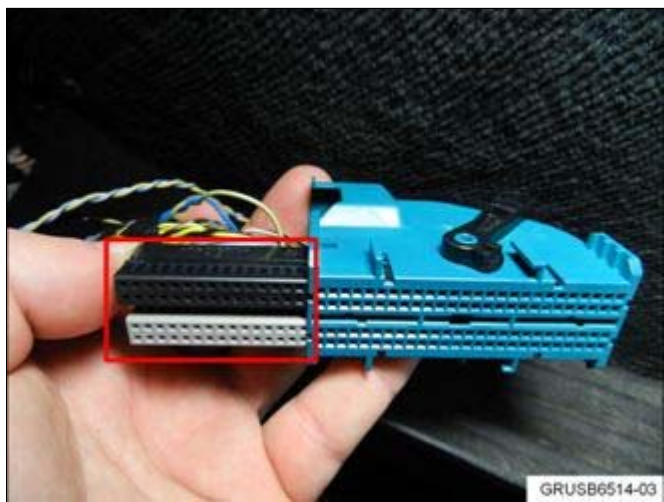
CAUSE

Inaccurate resistance measurement of the BST 2 by the ACSM control module

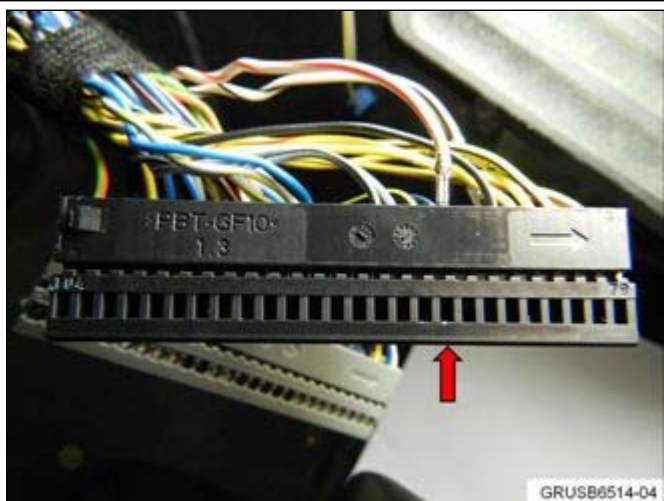
PROCEDURE

Access the ACSM control module located underneath the steering column, per Repair Instruction REP 65 77 016, "Removing and installing/replacing airbag control unit."

Note: Removal of the ACSM control module is not required for this repair. Once the ACSM control module is accessible, remove the blue 104-pin connector A11*1B.



Remove the blue housing of connector A11*1B to expose the black and grey sub-connectors.

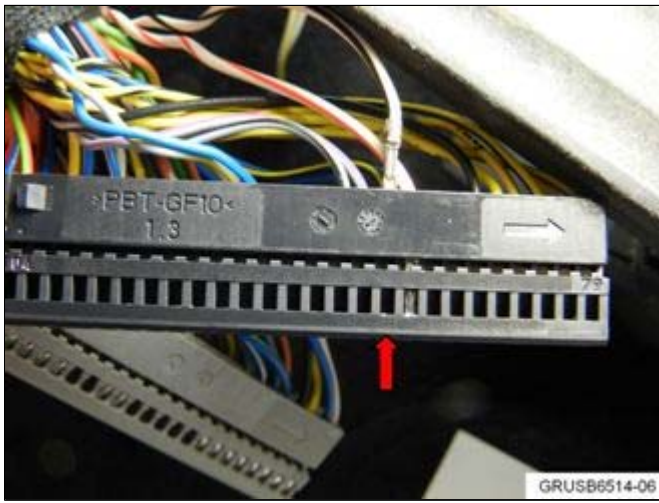


Remove pin 41 (WS/RT) of the grey sub-connector. Install it in the location of pin 87 (BL) of the black sub-connector.

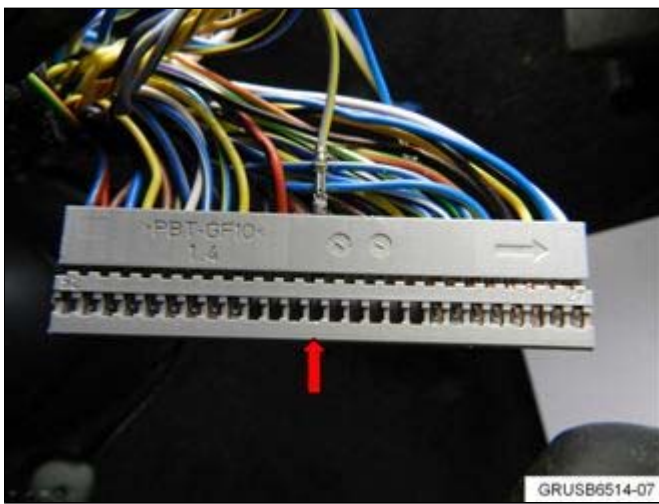
Note: It is important to install the relocated pins in the correct location; otherwise, various other ACSM faults will set.



Install pin 87 (BL) of the black sub-connector in the location of pin 41 (WS/RT) of the grey sub-connector.



Remove pin 40 (WS/SW) of the grey sub-connector and install it in the location of pin 88 (GR/GE) of the black sub-connector.



Install pin 88 (GR/GE) of the black sub-connector in the location of pin 40 (WS/SW) of the grey sub-connector.

Reinstall the black and grey sub-connectors into the blue 104 pin connector A11*1B. Reinstall the connector back into the ACSM control module.

Reinstall the trim panel for the pedal mechanism that was removed to access the ACSM control module.

Once the repair is complete, clear all ACSM fault codes and run a new vehicle test to ensure that no fault codes return.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program

Defect Code:	65 77 06 37 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
and		
		Connect an approved battery

61 21 528	Refer to KSD2	charger/power supply (indicated in KSD2 as “Charging battery”)
and		
61 20 900	Refer to KSD2	Disconnecting and connecting negative battery cable (includes the disconnecting the high-voltage system)
and		
51 45 684	Refer to KSD2	Remove and install pedal trim
and		
61 00 009	7 FRU	Troubleshooting electrical/electronic system – Work time to perform the pin connector repair procedure

Labor operation code 00 00 006 is a Main labor operation. 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) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Even though work time labor operation code 61 00 009 ends in “009,” it 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.

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