



SI B65 19 08
Audio, Navigation, Monitors, Alarms, SRS

February 2009
Technical Service

This Service Information bulletin supersedes SI B65 19 08 dated January 2009.

PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, dealers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

NEW designates changes to this revision

SUBJECT

Recall Campaign 08V-384: Modify Seat Occupancy Detection Mat

MODEL

E83 with base seats

E60 with base seats

SITUATION

The passenger seat occupancy mat can fatigue, depending on the manner and frequency of the front passenger's entry and exit. Specifically, over time, microcracks could develop in the side bolster section of the mat. If a microcrack leads to a break of an electrical conductor, the system will recognize a failure. As a result, the front passenger air bags, with the exception of the head protection system, will be deactivated. The air bag warning lamp, as well as the passenger air bag "on-off" lamp, will be illuminated to make the occupants aware of the deactivation.

This recall modifies the seat mat to prevent fatigue, it will not fix an already faulty mat.

A copy of the customer notification letter is attached.

AFFECTED VEHICLES

This Recall Campaign involves E83 (X3) and E60 (5 Series) vehicles which were produced from June 30, 2003 to November 18, 2005 and March 21, 2003 to November 22, 2005 respectively.

In order to determine whether a specific vehicle is affected by this Service Action, it will be necessary to utilize the "Service Menu" of the DCS (Dealer Communication System) or the Key Reader. Based on the response of the system, either proceed with the corrective action or take no further action.

The chassis number ranges listed below are **only** for informational purposes, and are not to be considered as the only deciding factor.

Model	Chassis Number Range
X3 3.0i	WA30029 – WA32328
X3 3.0i Auto	WA60032 – WA66999
X3 2.5i	WA77003 – WA78668
X3 2.5i Auto	WB20006 – WB29999
X3 3.0i Auto	WC30000 – WC34998
X3 2.5i Auto	WC35001 – WC52496
X3 3.0i Auto	WD00001 – WD31705
530i	B047068 – B049087
530iA	B057001 – B819999
545i	B088687 – B089725
545iA	B107030 – B116988
525i	B167005 – B168236
525iA	B172010 – B864992
530xi Sports Wagon	B799011 – B799132
525i Sedan	B992005 – B992262
530i Sedan	B996022 – B996423
525xi Sedan	B999005 – B999147
535xi Sedan A	CB86002 – CB86998
530xi Sedan	CC34014 – CC34407
530xi Sedan A	CG65017 – CG69999
525i Sedan A	CK78004 – CK88484
530i Sedan A	CM30009 – CM41453
530xi Sports Wagon A	CN00027 – CN03233
545iA	CN63005 – CN68276
550i Sedan	CN93022 – CN93199
550i Sedan A	CP00033 – CP01995
530iA	CR60352 – CR610053
525iA	CR73508 – CR73621
525xi Sedan A	CS34000 – CS37344

530xi Sedan A

CU19002 – CU19373

PROCEDURE

NEW As a prerequisite, only the following BMW diagnostic equipment may be used:

NEW E83:

- **DIS V56** updated with UPD-DIS OPSS software-update V17.2 (released as an online update February 4, 2009) or later, in association with the OPSS/OPS. In addition, adapter cable 52 1 010 is required.

or

- **ISTA D2.10.0** or later, in association with the ICOM and the new adapter cable 52 0 000. This new adapter cable has been shipped to all dealers free of charge.

NEW E60:

- **Only use DIS V56** updated with UPD-DIS OPSS software-update V17.2 (released as an online update February 4, 2009) or later, in association with the OPSS/OPS. In addition, adapter cable 52 1 010 is required.
 - DIS V55 should not be used as it will give an incorrect result.
 - ISTA should not be used as it will give an incorrect result.
1. Connect the diagnostic system and power supply to the vehicle.
 2. Carry out a quick test. If there are fault code memory entries for the seat occupancy detection mat, work through the test plan and, if necessary, replace and enable the mat in accordance with Repair Instruction RA 52 13 400. No other measures are necessary in this case (it is not necessary to perform the modification on a replacement OC3 mat).
 3. Note: Before continuing, ensure there are no stored faults relating to the seat occupancy system.
 4. Using the BMW diagnosis equipment, select "*Service functions / Body / Seat occupancy detector / Program seat occupancy detection mat*". Then select the test plan S6577_62001 to program the seat occupancy detection system.
 5. Switch off the ignition and follow the test plan instructions to connect the adapter cable to the vehicle.

Note that the current test plan refers only to the use OPS/OPSS. If the ICOM is being used, this is connected the same way but using adapter cable 52 0 000.

Switch on the ignition and wait for the OPS/OPSS or ICOM to reconnect before continuing.

6. At the first selection screen, select "(1) Program seat occupancy detection system (OC3)".
7. Follow the instructions in the test module.

Note: If programming cannot be performed because no data is available (the actual message on the screen reads "Programming cannot be carried out as no data exists.."), no further measures are required. The mat is up to date.

8. After programming is completed, **disconnect the mat for at least 5 seconds**, according to the instructions in the test module. This allows the OC3 mat to complete a full reset.
9. Follow the instructions in the test module.

Note 1: If the coding fails (the actual message on the screen reads "Seat occupancy mat defective. Replace the seat occupancy mat in accordance with repair instructions"), **do not replace the seat occupancy mat** as instructed. The cause of the coding failure was most likely because the seat mat was not disconnected properly and the necessary reset did not occur. Restart the procedure from step 4.

Note 2: The coding changes the part number in the OC3 mat in addition to writing new algorithm data for the seat mat sensitivity. Once successfully coded, the message as described in step 7 is shown if programming is attempted a second time.

10. Once the seat occupancy detection has been successfully programmed and coded, switch off the ignition and unplug the adapter cable.
11. Perform the modification to the seat occupancy detection mat in accordance with Repair Instruction RA 65 77...(Overhaul solution for OC3 mat). For a video of the repair procedure, refer to the October 2008 edition of Service Roundtable on ICP.
12. After modifying the seat occupancy detection mat and reinstalling all removed parts, reconnect the adapter cable and switch on the ignition.
13. Either continue in the original test plan from step 10 or, if the original test plan was exited:

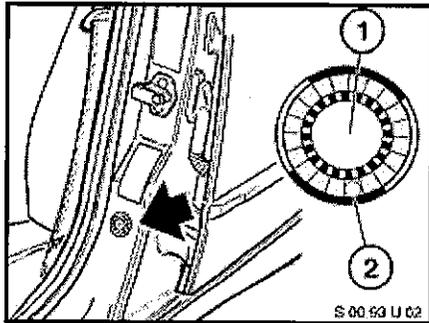
Select "*Service functions / Body / Seat occupancy detector / Program seat occupancy detection mat*". Then select the test plan S6577_62001. At the first selection screen, select "(2) Enable seat occupancy detection system (OC3)".

14. Follow the instructions in the test module to enable the seat mat. The test module is completed when "End of test module" is displayed.
15. Delete any fault codes that automatically set because of the connection of the special adapter cable for programming.

LABEL INSTRUCTIONS

This Recall Campaign has been assigned code number **530**. After the vehicle has been checked and corrected, if necessary, obtain a label (SD 92-352) and:

- A. Emboss your BMW center warranty number in the middle of the label (1);
- B. Punch out code number **530** (2) printed on the



label; and

- C. Affix the label to the **B**-pillar as shown.

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the old one. Do not affix one label on top of another one, because a number from an underlying label could appear in the punched-out hole of the new label.

PARTS INFORMATION

E83 Base Seat: Refer to Attachment 1

E60 Base Seat: Refer to Attachment 2

WARRANTY INFORMATION

E83 Base Seat: Refer to Attachment 1

E60 Base Seat: Refer to Attachment 2

ATTACHMENTS

view PDF attachment [B651908Customer_Letter](#).

view PDF attachment [B651908TREAD](#).

view PDF attachment [B651908Attachment_1](#).

view PDF attachment [B651908Attachment_2](#).

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