



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.

BMW centers must ensure recalls are completed after having been notified by BMW of North America, LLC (BMWNA) that a safety-related defect or noncompliance exists in any motor vehicle or item of replacement equipment in the center's possession at the time of notification. In BMW NA's case, this notification would typically be made by the issuance of a recall notification in the form of a Service Information bulletin (SIB) or transmission of a Dealer Communication System (DCS) recall message.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if a recall campaign is announced by BMW NA, centers must ensure that all recalls on new vehicles and new items of replacement equipment are completed BEFORE delivery to the consumer. This means that centers may not legally deliver new motor vehicles or new items of replacement equipment to consumers with an open recall.

The Safety Act also prohibits centers from selling or leasing the motor vehicle or item of replacement equipment, unless and until the open recall has been completed BEFORE delivery. This also pertains to vehicles in the Certified Pre-Owned program, and to items of replacement equipment.

Finally, BMW centers should not sell or use parts that have been recalled by BMW NA. Please follow the specific instructions provided by BMW NA on the return or disposition of the parts.

SUBJECT

Recall Campaign 13V-564: E53 Repair Front Passenger Airbag Seat Occupancy Sensor Mat

MODEL

E53 (X5)

Produced from December 2005 to September 2006

SITUATION

This Recall involves the front passenger airbag OC3 (Front Passenger Seat Occupancy Sensor Mat) for the E53 (X5).

Over time, due to the frequency of front passenger seat usage, the OC3 seat mat can become damaged. If this were to occur, deactivation of the front passenger airbag could result, increasing the risk of injury in the event of a crash.

If the front passenger airbag became deactivated, the airbag warning lamp on the instrument cluster and the Passenger Airbag Status Lamp (POL) in the Roof Functions Center (FZD) are illuminated at the same time.

OTHER AIRBAG-RELATED FAULTS AND REPAIRS

The issue being addressed by this Recall may or may not be the root cause of a vehicle arriving at your center with the airbag (SRS) malfunction light illuminated.

It is important to identify vehicles with the airbag (SRS) malfunction light illuminated during the repair order write-up process; this will allow you to review the scope of the Recall repair with the customer.

It is also important to notify the customer that diagnosing other airbag-related system issues may be required and this diagnosis and corresponding repair work, if needed, is not covered by this Recall.

AFFECTED VEHICLES

This Recall Campaign involves E53 (X5) vehicles produced from **December 2005 to September 2006**.

First check if a Recall Campaign label with a code number **678** is already attached to the B-pillar.

If a code number **678** has been punched out, the Campaign has already been performed and no further action is necessary.

Vehicles which require this Recall Campaign to be completed will show it as "Open" when checked either in the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

CORRECTION

Program and code the OC3 seat mat. Perform a modification repair procedure on the seat mat and enable the seat mat after modification.

PROCEDURE

NOTE: ISTA 3.43.0 or higher is required for the diagnostics and programming of the seat occupancy detection mat. Before any repair, you must run and follow the test plan recommendation.

Adapter cable 52 0 000 is required for programming the seat occupancy detection mat. The adapter cables have been sent to all centers free of charge. Refer to [SI B04 43 08](#) . Check the adapter cable condition. If you are missing this adapter cable, you must order it before performing any repair.

1. Connect the vehicle to the ISTA diagnostic system and perform a vehicle test.
2. If there are fault codes memory entries in MRS (Multiple Restraint System) for the seat occupancy detection mat, work through the linked test plan.
3. If the test plan recommendation is to replace the OC3 seat mat, refer to the attached replacement procedure (same as ISTA Repair Instruction REP 65 77 600). After the replacement procedure, proceed to the label instructions portion of this Service Information bulletin to complete the campaign.
4. If there are no faults related to the OC3 seat mat, continue with the next repair procedure.
5. First you need to program the OC3 seat mat with new software. Select the test plan for programming the OC3 seat mat from the following path: "Function selection \ Service functions \ Body \ Seat occupancy detection \ Program seat occupancy mat." Select #1: "Program seat occupancy detection" from the selection window.

Connect adapter cable 52 0 000 to the ICOM (the voltage supply is from the cigarette lighter and OC3 seat mat: connector under the front passenger seat) when prompted in the test plan. When the programming is finished, continue to step 6.

Note: If programming cannot be performed because of the message "no data is available," the mat software is up to date and no further repairs are required. Proceed to the label instructions section of this Service Information.

6. Before selecting coding the OC3 seat mat, disconnect the adapter cable for at least 5 seconds. If the OC3 seat mat has not been disconnected for at least 5 seconds, coding will not be possible.
7. Once the OC3 seat mat has been successfully programmed and coded, switch off the ignition and unplug the adapter cable. Note: Do not close the ISTA diagnostic session, since this will be reused in step 10.
8. Perform the OC3 seat mat modification per the attached repair procedure (same as ISTA Repair Instructions REP 65 77 ... "Repair solution for OC-3 mat").
9. After completing the OC3 seat mat modification/repair solution, reconnect the adapter cable and switch on the ignition.

10. Select the test module for enabling the seat occupancy detection mat from the following path: “Function selection \ Service functions \ Body \ Seat occupancy detection \ Program seat occupancy mat.”

Select #2, "Enable seat occupancy detection" from the selection window.

11. Complete the test plan and delete the fault code memory entries.

PARTS INFORMATION

Note: The parts inventory is limited; please do not overstock parts.

Part number	Description	Quantity
52 10 7 262 956	Repair kit for sport seat	1
52 10 7 241 719	Repair kit for comfort seat and basic seat	1
07 14 9 148 310	Hex bolt	1
52 10 7 245 512	Right-hand upholstered section of the sport seat	1 (only if required)
52 10 7 245 511	Upholstered section of the right-hand comfort seat and the right-hand basic seat	1 (only if required)

LABEL INSTRUCTIONS

	<p>This Recall Campaign has been assigned code number 678. After the vehicle has been checked and/or corrected, obtain a label (SD 92-431) and:</p> <ul style="list-style-type: none"> A. Emboss your BMW center warranty number in the middle of the label (1); B. Punch out code number 678 (2), printed on the label; and C. Affix the label to the B-pillar as shown.
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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.

WARRANTY INFORMATION

Reimbursement for this Recall will be via normal claim entry utilizing the following information:

Defect code:	00 65 75 02 00
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The labor operations codes listed below are Main labor operations.

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.

Sport seat option (481)

Labor Operation:	Labor Operation:	Description
	Electric Sport Seat	

Sport Seat (option 481)	(option 481 and 459)	
00 61 241	00 61 246	Only check the seat occupancy detection mat (mat is up to date). (No repair is necessary.)

Repair Kit-Related Work (Select One)

Labor Operation: Sport Seat (option 481)	Labor Operation: Electric Sport Seat (option 481 and 459)	Description
00 61 240	00 61 245	Check, program, rework and enable the seat occupant detection mat
00 61 244	00 61 249	Check, program, rework, enable and replace the seat occupant detection mat (following unsuccessful repair or enabling)

Right-Hand Upholstered Section-Related Work (Select One)

Labor Operation: Sport Seat (option 481)	Labor Operation: Electric Sport Seat (option 481 and 459)	Description
00 61 242	00 61 247	Check and replace the seat occupant detection mat (following quick test)
00 61 243	00 61 248	Check, program and replace the seat occupant detection mat (following unsuccessful programming)

Basic seat

Labor Operation: Basic Seat	Labor Operation: Electric Basic Seat (option 459)	Description
00 61 251	00 61 256	Only check the seat occupancy detection mat (mat is up to date). (No repair is necessary.)

Repair Kit-Related Work and Right-Hand Upholstered Section-Related Work (Select One)

Labor Operation: Basic Seat	Labor Operation: Electric Basic Seat (Option 459)	Description
00 61 250	00 61 255	Check, program, rework and enable the seat occupancy detection mat
00 61 253	00 61 258	Check, program and replace the seat occupant detection mat (following

		unsuccessful programming)
00 61 254	00 61 259	Check, program, rework, enable and replace the seat occupant detection mat (following unsuccessful repair or enabling)
00 61 252	00 61 257	Check and replace the seat occupant detection mat (following quick test)

Comfort seat option (456)

Labor Operation: Comfort Seat	Description
00 61 261	Only check the seat occupant detection mat (mat is up to date). (No repair is necessary.)
00 61 260	Check, program, rework and enable the seat occupant detection mat
00 61 262	Check and replace the seat occupant detection mat (following quick test)
00 61 263	Check, program and replace the seat occupant detection mat (following unsuccessful programming)
00 61 264	Check, program, rework, enable and replace the seat occupant detection mat (following unsuccessful repair or enabling)

Prior Customer-Pay Repairs

A. Please follow the procedure below when a vehicle is in your workshop for this repair:

1. Review and verify the repair on the customer-pay invoice (BMW center or independent repair shop) to ensure it addresses the issue described in this Service Information bulletin.
2. Reimburse the customer (labor and parts).
3. Submit the customer-paid repair expense under Defect Code 00 65 72 02 00, as follows:
 - Sublet Code 3
 - Dollar amount (with no markup)
 - Comment: Reimbursement for allowable expenses related to the previous customer-pay repair.
 - Retain the “original” customer-pay invoice in your files; this documentation may be requested by BMW during the claim review process.
4. Perform the Recall repair outlined in this bulletin.

B. If your center is only presented with a customer-pay invoice for a previous repair to address the issue outlined in this bulletin:

1. Scan and save to a file a copy of the “original” customer-pay invoice (BMW center or independent repair shop).

Retain the “original” customer-pay invoice in your files.

2. Submit a VIN-specific email to Warranties.special.request@bmwna.com with the “item 1 file” as an attachment.
3. Warranties will confirm receipt by return email.
4. Proceed and submit a claim for the prior customer-pay repair expense as follows.

Submit this customer-paid repair expense under Defect Code **85 99 00 12 NA**, as follows:

- Sublet Code 3
 - Dollar amount (with no markup)
 - Comment: Reimbursement for allowable expenses related to the previous customer-pay repair.
 - Retain the “original” customer-pay invoice in your files.
5. BMW will review the claim and supporting documentation.
 6. If the claim is approved, the claim credit will be issued through DCSnet.
 7. Your center can now issue a reimbursement to the customer for the previous repair.

This claim submission will not close the “Open” Safety Recall, since the vehicle was not available for inspection/repair.

ATTACHMENTS

View PDF attachment [B651114 Customer Letter.](#)

View PDF attachment [B651114 QA.](#)

View PDF attachment [B651114 OC3 Seat Mat Modification.](#)

View PDF attachment [B651114 OC3 Seat Mat Replacement.](#)

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