



RECALL 17V-428: FRONT PASSENGER AIR BAG SEAT OCCUPANCY SENSOR MAT

New information provided by this revision is preceded by this symbol  .

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

This Service Information bulletin supersedes SI **B65 10 17** dated **July 2017**.

What's new:

- Model section updated with seat option codes
- Affected Vehicles has been corrected
- Parts Information updated with option code for climate seat
- Warranty Information updated

MODEL

E60 (5 Series)	E61 (5 Series)	E90 (3 Series)	E91 (3 Series)
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E90/E91 only with sport seat option code SA 481(Sport seat Front)

E60/E61 with Basic or Sport seat

E60 only with basic seat and climate seat SA 453 (Active Seat Ventilation)

SITUATION

Over time, depending on the frequency of front passenger seat usage, the OC3 seat mat can become damaged. When damaged, the front passenger airbags, with the exception of the head protection system, are deactivated, increasing the risk of injury in the event of a crash. The air bag warning light, as well as the passenger air bag on-off light, may be illuminated to make the occupants aware of the deactivation.

Other Air bag-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 air bag (SRS) malfunction light illuminated.

It is important to identify vehicles with the air bag (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 air bag-related system issues may be required and this diagnosis and corresponding repair work, if needed, is not covered by this Recall.

AFFECTED VEHICLES

BMW AG is conducting a Voluntary Safety Recall (effective July 6, 2017) on Model Year 2006 BMW 3 series and 5 Series involving the front passenger air bag seat occupancy sensor mat (OC3).

Approximately 2,158 vehicles are affected by this recall.

This new recall is an extension to a previous recall, 13V-564 (SI B65 06 14).




Vehicles in dealer inventory are affected by this recall/stop. Vehicles which are affected show the

campaign as “Open” when checked either in Warranty Vehicle Inquiry, AIR or ISTA Next. The affected vehicles are identified with the comment: **0065980200 B651017 Recall: OC3 Mat.**

Customer notification letters were mailed in September 2017 letting them know that their vehicle is affected and that parts are available. A copy of the letter is attached for your reference.

CORRECTION

- After verification of air bag warning light and passenger air bag **on-off**  light illumination follow test plan recommendation to replace the OC3 seat mat.
- Or No fault in the system and POL function correct then perform the repair kit procedure.

PROCEDURE

For conditions that are similar to the situation described:

1. **Always connect a BMW-approved battery charger/power supply** ([SI B04 23 10](#)).
2. Perform diagnosis with the latest version of ISTA.

Are there are fault code memory entries in E90/E91-MRS5 (Multiple Restraint System); E60/E61 ACSM60 (Advance Crash and Safety Management) for the seat occupancy detection mat?

YES- replace the OC3 seat mat.

- A. Follow E90/E91 REP 65 77 604 or E60/E61 REP 65 77 602 Replacing sensor mat (OC3 mat) for passenger seat occupancy detector.
- B. Code the vehicle with ISTA/P. No further repair action is required.

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

For information on programming and coding with ISTA/P, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

NO – Go to step 3.

3. Update the OC3 seat mat software by following the steps below:



NOTE: 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, or it is damaged, you must order it before performing any repair.

A. First, 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; voltage supply from the cigarette lighter and OC3 seat mat (connector under the front passenger seat), when prompted in the test plan.
- If programming cannot be performed because no data is available, no further repairs are required. The mat is up to date.

B. After OC3 seat mat successfully programmed (or current programming verified), complete modification with installation of repair kit.

i. Perform the OC3 seat mat modification per Repair Instruction REP 65 77, Repair solution for OC-3 mat, or see the attached for OC3 seat mat modification.

ii. After completing the OC3 seat mat modification, reconnect the adapter cable and switch on the ignition.

iii. 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. Note: Follow ISTA test plan instructions.

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

PARTS INFORMATION

UPDATE!

E60 (VIN CP02172) basic seat with climate SA 453 (Active Seat Ventilation)

Part number	Description	Quantity
07 14 9 156 953	M10x37 oval-head screw	4 (only if required)
07 14 6 989 598	M10X30 cap screw	1 (only if required)
52 10 9 142 356	Right-hand upholstered section of the climate basic seat	1 (only if required)

E60 E61 with basic seat:

Part number	Description	Quantity
52 10 7 242 043	Repair kit for basic seat	1 (only if required)
07 14 9 156 953	M10x37 oval-head screw	4 (only if required)
07 14 6 989 598	M10X30 cap screw	1 (only if required)
52 10 9 142 353	Right-hand upholstered section of the basic seat	1 (only if required)

E60 E61 with sports seat:

Part number	Description	Quantity
52 10 7 242 044	Repair kit for sport seat	1 (only if required)
07 14 9 156 953	M10x37 oval-head screw	4 (only if required)
07 14 6 989 598	M10X30 cap screw	1 (only if required)
52 10 9 142 354	Right-hand upholstered section of the sport seat	1 (only if required)

E90 E91 with sports sea

Part number	Description	Quantity
52 10 7 241 720	Repair kit for sport seat	1 (only if required)
07 14 9 156 953	M10x37 oval-head screw	4 (only if required)
07 14 7 122 476	M10X15 cap screw	1 (only if required)
52 10 7 244 128	Right-hand upholstered section of the sport seat	1 (only if required)

UPDATE! WARRANTY INFORMATION

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

Defect code:	0065980200
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UPDATE! E60 (VIN CP02172) Basic seat, climate-controlled SA 453 (Active Seat Ventilation)

Labor operations:	Labor Allowance:	Description
00 65 085	20 FRUs	Replacing the seat occupancy mat of the SBE; programming and complete encoding will be billed using a different Technical Campaign
00 65 086	30 FRUs	Replacing the seat occupancy mat of the SBE; programming the control units and performing complete encoding
00 65 087	31 FRUs	Replacing the seat occupancy mat of the SBE; programming the control units and performing complete encoding (with CAS programming)

E60 E61 Basic seat, manual / electrical:

Select One from below list

Labor operations: Manual Seat	Labor Allowance:	Labor Operations: Electric sports seat (option code 0459)	Labor Allowance:	Description
				Checking, programming,

00 65 088	20 FRUs	00 65 099	17 FRUs	reworking and releasing the seat occupancy mat for the SBE
00 65 089	6 FRUs	00 65 100	6 FRUs	Only checking the seat occupancy mat for the SBE (seat occupancy mat at the latest version)
00 65 090	28 FRUs	00 65 101	27 FRUs	Checking and replacing the seat occupancy mat for the SBE (after vehicle test); performing complete encoding
00 65 091	33 FRUs	00 65 102	31 FRUs	Checking and replacing the seat occupancy mat for the SBE (after vehicle test); programming the control units and performing complete encoding
00 65 092	34 FRUs	00 65 103	32 FRUs	Checking and replacing the seat occupancy mat for the SBE (after vehicle test); programming the control units and complete encoding (with CAS)
00 65 093	32 FRUs	00 65 104	30 FRUs	Checking, programming and replacing the seat occupancy mat for the SBE (after failed programming); performing complete encoding
00 65 094	36 FRUs	00 65 105	35 FRUs	Checking, programming and replacing the seat occupancy mat for the SBE (after failed programming); Programming the control units and performing complete encoding
00 65 095	38 FRUs	00 65 106	36 FRUs	Checking, programming and replacing the seat occupancy mat for the SBE (after failed programming); Programming the control units and performing complete encoding (with CAS programming)
00 65 096	43 FRUs	00 65 107	38 FRUs	Checking, programming, replacing, releasing and replacing the seat occupancy mat for the SBE, (for failed reworking or release); performing complete encoding
00 65 097	48 FRUs	00 65 108	43 FRUs	Checking, programming, replacing, releasing and replacing the seat occupancy mat for the SBE, (for failed reworking or release); programming the control

				units and performing complete encoding or release); performing complete encoding
00 65 098	49 FRUs	00 65 109	44 FRUs	Checking, programming, replacing, releasing and replacing the seat occupancy mat for the SBE, (for failed reworking)

E60 E61 E90 E91 Sports seat, manual or electrical

Labor operations: Manual Seat	Labor Allowance:	Labor Operations: Electric sports seat (option code 0459)	Labor Allowance:	Description
00 65 110	22 FRUs (E90/E91); 18 FRUs (E60/E61)	00 65 121	20 FRUs (E90/E91); 17 FRUs (E60/E61)	Checking, programming, reworking and releasing the seat occupancy mat for the SBE
00 65 111	6 FRUs (E90/E91/ E60/E61)	00 65 122	6 FRUs (E90/E91/ E60/E61)	Only checking the seat occupancy mat for the SBE (seat occupancy mat at the latest version)
00 65 112	20 FRUs (E90/E91); 28 FRUs (E60/E61)	00 65 123	22 FRUs (E90/E91); 27 FRUs (E60/E61)	Checking and replacing the seat occupancy mat for the SBE (after vehicle test); performing complete encoding
00 65 113	24 FRUs (E90/E91); 33 FRUs (E60/E61)	00 65 124	26 FRUs (E90/E91); 33 FRUs (E60/E61)	Checking and replacing the seat occupancy mat for the SBE (after vehicle test); programming the control units and performing complete encoding
00 65 114	25 FRUs (E90/E91); 34 FRUs (E60/E61)	00 65 125	27 FRUs (E90/E91); 34 FRUs (E60/E61)	Checking and replacing the seat occupancy mat for the SBE (after vehicle test); programming the control units and complete encoding (with CAS)
00 65 115	23 FRUs (E90/E91); 32 FRUs (E60/E61)	00 65 126	25 FRUs (E90/E91); 32 FRUs (E60/E61)	Checking, programming and replacing the seat occupancy mat for the SBE (after failed programming); performing complete encoding
00 65 116	28 FRUs (E90/E91); 36 FRUs (E60/E61)	00 65 127	30 FRUs (E90/E91); 36 FRUs (E60/E61)	Checking, programming and replacing the seat occupancy mat for the SBE (after failed programming); Programming the control units and performing complete encoding
00 65 117	29 FRUs (E90/E91); 37 FRUs	00 65 128	31 FRUs (E90/E91); 37 FRUs	Checking, programming and replacing the seat occupancy mat for the SBE (after failed programming); Programming the control units and performing complete

	(E60/E61)		(E60/E61)	encoding (with CAS programming)
00 65 118	36 FRUs (E90/E91); 43 FRUs (E60/E61)	00 65 129	36 FRUs (E90/E91); 39 FRUs (E60/E61)	Checking, programming, replacing, releasing and replacing the seat occupancy mat for the SBE, (for failed reworking
or release; performing complete encoding				
00 65 119	42 FRUs (E90/E91); 48 FRUs (E60/E61)	00 65 130	41 FRUs (E90/E91); 45 FRUs (E60/E61)	Checking, programming, replacing, releasing and replacing the seat occupancy mat for the SBE, (for failed reworking or release); programming the control units and performing complete encoding
00 65 120	43 FRUs (E90/E91); 49 FRUs (E60/E61)	00 65 131	42 FRUs (E90/E91); 46 FRUs (E60/E61)	Checking, programming, replacing, releasing and replacing the seat occupancy mat for the SBE, (for failed reworking or release); programming and performing complete encoding (with CAS prog.)

And, as applicable:

Alternative Mobility Solutions (AMS) Reimbursement

This Recall repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, please claim this under the Defect Code noted above as follows:

Sublet Code 2	See below	Alternative Mobility Solution (AMS) expense reimbursement
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Claimable AMS-related reimbursement items and allowances (at cost, no markup)

- Mass transit (Up to \$15.00);
- Taxi and livery services (Up to \$15.00);
- “On-demand” Phone app-based transportation services (Up to \$15.00); or
- Vehicle pickup/drop off service “to and/or from” a customer’s home or business location (Up to \$25.00).

Please refer to SI B01 29 16 for additional information. Itemize this sublet amount on the repair order and in the claim comment section.

TREAD Act - Previous Customer-Pay Repairs

If your center is presented with a reimbursement request for a “qualifying customer-pay repair” that was performed on an “affected vehicle” **prior** to the release of this Recall Service Information bulletin, BMW of North America, LLC (**BMW NA**) will reimburse this previous repair.

Customer-pay Invoice Review and Reimbursement Procedure

1. Review and verify that the previous customer-pay invoice (BMW center or independent repair shop) contains a repair that was performed to **address the issue** described in this **Recall** Service Information bulletin.
2. If this prior repair qualifies, reimburse the customer (labor and parts).
3. Submit for this customer-paid repair expense under Defect Code **85 99 00 12 NA**, as follows:
 - Sublet Code 3
 - Dollar amount (with no markup)
 - Comment: Recall: Front Passenger Air Bag Seat Occupancy Sensor Mat - Reimbursement for allowable expenses that relate to performing a prior qualifying customer-pay repair.
 - Itemize the sublet amount on the repair order and in the claim comments
4. Retain the **original** customer pay invoice in your files; this documentation may be requested by BMW during the claim review process).

Note: A previously reimbursed repair, a repair performed on a non-affected vehicle, and/or, the diagnosis and repair of other **unrelated issues** on an affected or non-affected vehicles does not qualify for reimbursement.

This claim submission for the "prior customer-pay reimbursement, when it is submitted as outlined under Defect Code 85 99 00 12 NA, will not close the OpenSafety Recall on the vehicle.

The applicable OPEN Recall repair must still be performed on the vehicle.

Tuesday, October 10, 2017

ATTACHMENTS

View PDF attachment [B651017 Recall Notice](#) .

View PDF attachment [17V-428-SeatMat QA 14July2017 final](#).

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SAFETY RECALL NOTICE

To: All Center Operators, Sales Managers, Service Manager, Parts Manager and Warranty Processor

RE: Recall 17V-XXX: Front Passenger Air Bag Seat Occupancy Sensor Mat B65 10 17

BMW AG is conducting a Voluntary Safety Recall (effective July 6, 2017) on Model Year 2006 BMW 3 and 5 Series involving the front passenger air bag seat occupancy sensor mat (OC3).

Owners will be notified by First Class mail about the Recall and will be instructed to bring their vehicles in for a free repair when parts are available.

Please be reminded that it is a violation of federal law (The Safety Act) for you to sell, lease or deliver any new motor vehicle covered by this notification until the recall repair has been performed. This means that centers may not legally deliver new motor vehicles to consumers until they are fixed or use/sell replacement equipment/parts subject to this recall. Note also that substantial civil penalties apply to violations of the Safety Act.

Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a safety recall until the repair is completed.

Please follow any special instructions that we provide to you for the return or disposition of recall parts.

We appreciate all your assistance with this Recall.

**Front Passenger Air Bag Seat Occupancy Sensor Mat
Safety Recall 17V-428
Model Year 2006
BMW 3 Series and 5 Series
Last Update: 07/14/2017**

Q1. Which BMW Group models in the US are potentially affected by this Safety Recall?

Approximately 2,158 BMW Group vehicles in the US, as noted below, are potentially affected.

Series	Model Year	Model	Seat	Approx. Volume	Production Dates
E90 and E91	2006	325i, 325xi, 330i, 330xi, 325xiT	Sport	959	11/9/2005 - 11/30/2005
E60 and E61	2006	525i, 525xi, 530i, 530xi, 550i, 530xiT	Sport	299	11/23/2005 - 11/30/2005
E60 and E61	2006	525i, 525xi, 530i, 530xi, 550i, 530xiT	Standard	900	11/23/2005 - 11/30/2005

Q2. This sounds familiar. Was there a similar recall before?

Yes. In 2008 and 2013.

Q3. How many vehicles in the US were affected by the 2008 recall?

Approximately 200,000 vehicles in the US were covered by the 2008 recall.

Q4. How many vehicles in the US were covered by the 2013 recall?

Approximately 77,000 vehicles were covered by the 2013 recall.

Q5. Why are other BMW Group vehicles not included in this Safety Recall?

Other models have a different front passenger air bag seat occupancy sensor mat design.

Q6. What is the specific issue?

Over time, due to the frequency of front passenger seat usage, the air bag seat occupancy sensor mat can become damaged. If this were to occur, deactivation of the front passenger air bag could result.

Q7. What can happen as a result of this issue?

If the front passenger air bag seat occupancy sensor mat became damaged, deactivation of the front passenger air bag could result. The air bag warning lamp, as well as the front “passenger air bag off” lamp, will be illuminated at the same time to alert the vehicle occupants of the deactivation.

Q8. Can I determine if this issue exists in my vehicle?

Yes. If the air bag warning lamp and the front “passenger air bag off” lamp are illuminated at the same time, the vehicle may be experiencing this condition.

Q9. Can I continue to drive my vehicle?

Yes. However, please contact your authorized BMW center immediately to schedule an appointment for repair. If this condition occurs, you should not drive your vehicle with a passenger in the front passenger seat. Please ask your passengers to sit in the rear seat and to

**Front Passenger Air Bag Seat Occupancy Sensor Mat
Safety Recall 17V-428
Model Year 2006
BMW 3 Series and 5 Series
Last Update: 07/14/2017**

fasten their safety belt. If you are not the only driver of this vehicle, please advise all other drivers of this important information.

Q10. I had the seat occupancy sensor mat replaced under warranty. Will I receive a recall letter?

No. If your seat occupancy sensor mat was replaced under warranty, your vehicle is not part of the recall population.

Q11. How did BMW become aware of the problem?

BMW became aware of the problem through its quality control procedures.

Q12. Is BMW Group aware of any accidents, injuries, or fires involving these BMW Group vehicles associated with this Safety Recall?

No.

Q13. How will I be informed of this Safety Recall?

You will receive a letter in September via First Class mail advising you of this recall. At that time, you should immediately schedule an appointment with an authorized BMW center to have this recall performed. You can locate your nearest authorized BMW center at www.bmwusa.com/dealers.

To ensure BMW has your most recent contact and vehicle information, please register your vehicle at www.bmwusa.com/myBMW. Registration is free, and will give you access to factory initiated campaigns and other information specific to your BMW.

Q14. How will my vehicle be repaired?

The seat occupancy sensor mat will be repaired. If the sensor mat is unable to be repaired, it will be replaced.

Q15. How long will the repair take?

This repair should take approximately three hours; however, additional time may be required depending upon your BMW center's schedule. The repair will be performed free of charge by your authorized BMW center.

Q16. Do I have to wait for my letter to have my vehicle serviced?

No. You can schedule an appointment with any authorized BMW dealer for service and repair.

Q17. I see the "TREAD Act Customer Reimbursement Plan" attached to my letter. Can you explain what that is about? Am I eligible for reimbursement?

If you have already had this repair performed at your own expense, you may be eligible for reimbursement of certain expenses that you incurred.