



SI B 72 02 05  
Safety Restraint Systems

January 2006  
Technical Service

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This Service Information bulletin supersedes S.I. B72 02 05 **dated September 2005.**

**NEW** designates changes to this revision

#### **SUBJECT**

**Passenger Airbag Status Lamp Goes ON/OFF During Driving**

#### **MODEL**

**NEW** E60 (5 Series) to April 2005 with Sport Seats (Option 481)

**NEW** E60 (5 Series) to September 2005 with Comfort Seats (Option 456),

**NEW** E65/E66 (7 Series) to April 2005 with Sport Seats (Option 481)

**NEW** E65/E66 (7 Series) to September 2005 with Comfort Seats (Option 456), without ventilation (option 453)

E90 (3 Series) to May 2005

E83 (X3)

E85 (Z4)

#### **SITUATION**

The customer complains that with a person in the front passenger seat, the passenger airbag status lamp may illuminate or intermittently go on/off while driving. **No airbag faults are stored.**

#### **CAUSE**

The primary purpose of the passenger seat occupancy mat is to detect a child up to an age of approximately one-year who is placed in an appropriate child seat. As a result, while the system accurately detects a child up to one year of age, it may not recognize an adult occupant if that person moves into certain positions in the seat (for example to sit more on the side of the seat).

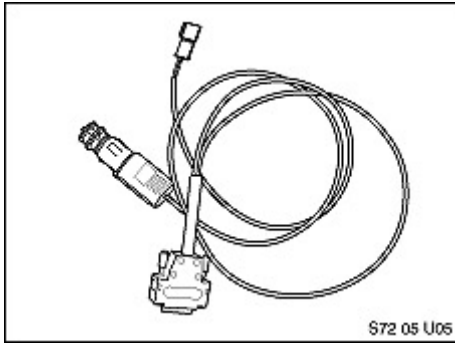
Note: Seat covers, seat cushion padding, ball mats etc., interfere with the operation of the passenger detection system, and therefore must not be installed unless recommended by BMW.

#### **CORRECTION**

In case of customer complaint:

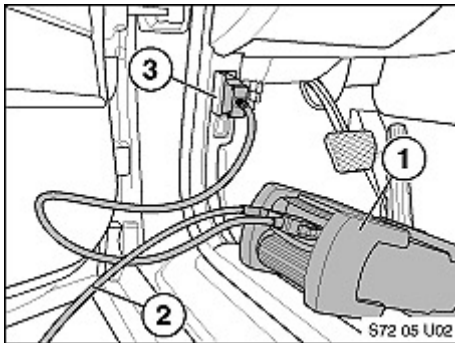
- a. **NEW** For E60/E65/E66 with Sport Seats or Comfort Seats and E90, revised coding for the OC3 seat occupancy mat is available for the vehicle production dates listed above. For these vehicle/seat combinations, follow the "PROCEDURE" below. The new coding improves recognition, particularly if the adult passenger is sitting with knees apart.
- b. For E83, replace seat mat with new part with revised coding – see Parts Information below.
- c. **NEW** For E60/E65 with Basic seats and E85, no coding repair is currently available. Check that the functionality of the Passenger Airbag Status Lamp (lamp goes "off" with adult in passenger seat). Do not replace parts unless a fault is detected. If the lamp illuminates while driving but no fault is detected, it is recommended the passenger change seating position (the manner in which the person is seated and the weight distributed) so that the light goes off. You should inform the customer/passenger that if the air bag light is on, the air bag is not activated.

## PROCEDURE



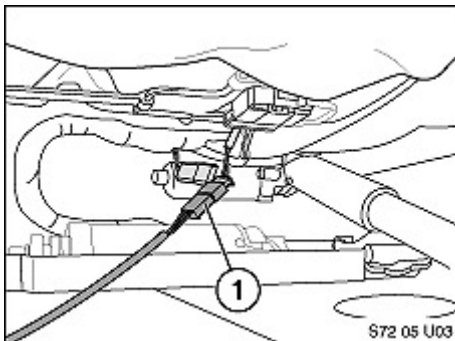
**For E60/E65/E66 with Sport Seats **NEW** or Comfort Seats and E90 only**, use special repair cable 52 1 010 to recode the OC3 seat occupancy mat (**do not replace parts**):  
Repair cable 52 1 010 was shipped to dealers under the Automatic Tool Shipment program.

1. Connect battery charger

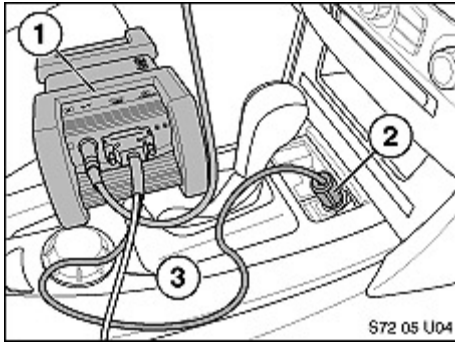


2. Connect OPSS/OPS (1) to the vehicle OBD connector (3) and to the network (or directly to the GT1) (1).

3. Using DISPlus/GT1 loaded with DIS V42.0 or later, turn on the ignition (KL-15) and in "Diagnosis", select vehicle model and perform "Automatic" identification (Do not perform "Manual" identification).
4. Turn off the ignition.



5. Disconnect the OC3 mat at connector under passenger seat (4 position connector accessed from rear seat footwell area).
6. Connect the special repair cable (1) directly to the OC3 mat connector.



7. Disconnect the OPSS/OPS from the OBD connector and plug special repair cable 52 1 010 (3) into both OPSS/OPS (1) and into power supply (2).

8. Turn on the ignition (KL-15).

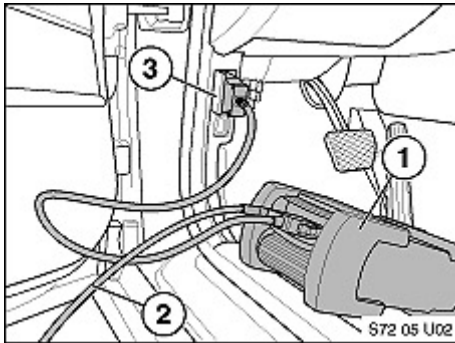
9. From "Function Selection" screen, select "Service Functions" / "Seat Occupancy Recognition" / "Seat Occupancy Mat recoding" / "Test Plan".

10. **Note: No objects must be placed on the passenger seat cushion during the coding process.**

Follow the on-screen instructions to recode the Seat Occupancy Mat.

11. Turn off the ignition.

12. Disconnect the OPSS/OPS and special repair cable from the vehicle and reconnect the OC3 seat mat to the vehicle harness.



13. Reconnect the OPSS/OPS (1) to the vehicle using the regular diagnostic (OBD) connector (2).

14. Turn on ignition (KL-15).

15. Using GT1, delete fault codes.

16. Check the functionality of the Passenger Airbag Status Lamp (lamp goes "off" with adult in passenger seat).

**PARTS INFORMATION**