



This Service Information bulletin supersedes SI B54 04 14 **dated April 2014**.

**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.**

**NEW** designates changes to this revision

#### SUBJECT

**NEW** Service Action: Wiring Harness Sensor Rear Module

#### MODEL

E89 (Z4)

#### **NEW** SITUATION

The wiring harness for the convertible top rear module sensor may be positioned incorrectly, which can cause damage to the wiring harness.

#### **NEW** CAUSE

Incorrect positioning of the convertible top rear module sensor connector

#### **NEW** AFFECTED VEHICLES

This Service Action involves E89 (Z4) vehicles produced from March 26, 2014 to April 1, 2014.

First check if a Service Action label with a code number **686** is already attached to the B-pillar.

If a code number **686** has been punched out, the Campaign has already been performed and no further action is necessary.

Vehicles which require this Service Action 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.

#### **NEW** CORRECTION

Reposition the connector, inspect the wiring harness, and replace the sensor as needed per the procedure.

#### **NEW** PROCEDURE

Note: Both sides are affected, and must be inspected and reworked as needed. For illustration purposes, the right side was mainly used.

	<ol style="list-style-type: none"> <li>The areas to be worked on are highlighted by red circles.</li> </ol> <p>Note: In this picture, the convertible top is in the service position with the rear module completely open. You can also perform this repair by opening the trunk.</p> <p><b>Safety:</b> Be sure to secure the rear module in the up position,</p>
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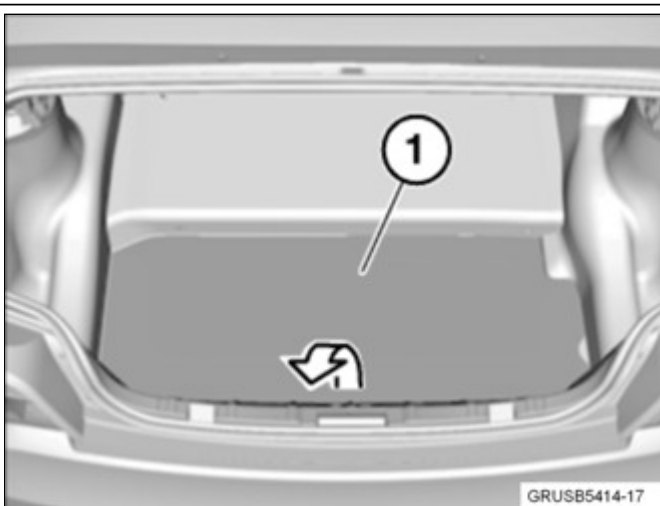
as the hydraulic system will depressurize. This will cause the rear module to lower on its own without warning!



2. A closer view of the area that needs to be inspected is highlighted in red.

Note: The luggage compartment wheel arch panel must be removed.

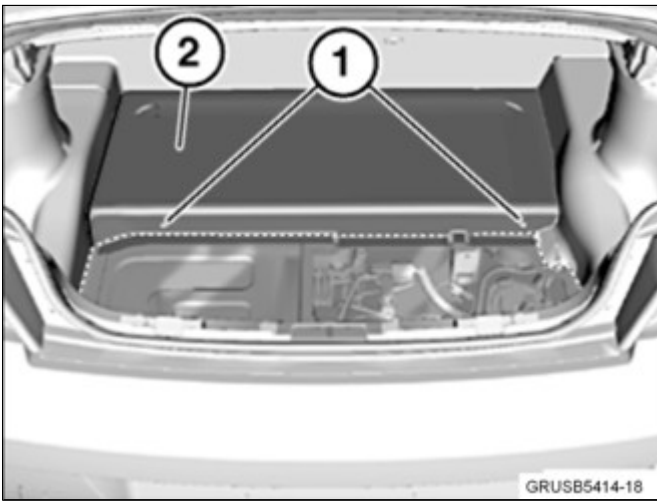
All steps for removing the luggage compartment wheel arch panel are included in this SI.



Remove the luggage compartment floor trim panel per Repair Instruction 51 47 101, also included in this SI.

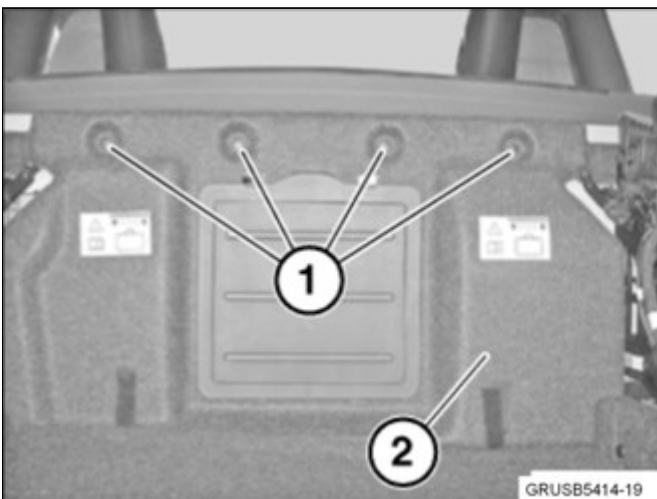
3. Remove the luggage compartment floor trim (1).

Remove the front luggage compartment floor trim panel per



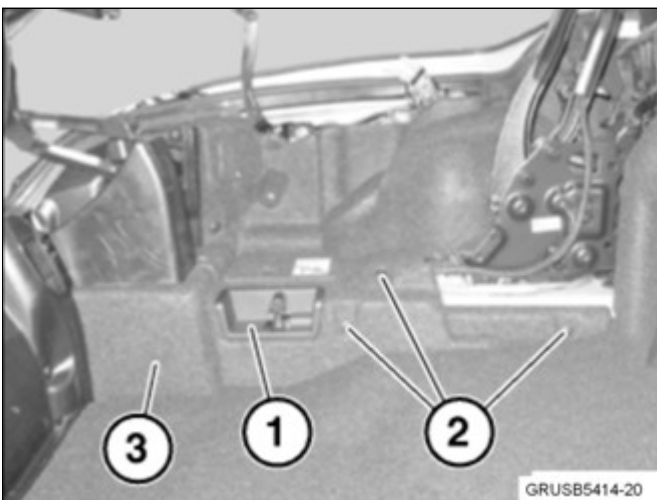
Repair Instruction 51 47 131, also included in this SI.

4. Pry out the expansion rivets (1).
5. Remove the front luggage compartment floor trim (2).



Remove the panel for the luggage compartment partition per Repair Instruction 51 47 140, also included in this SI.

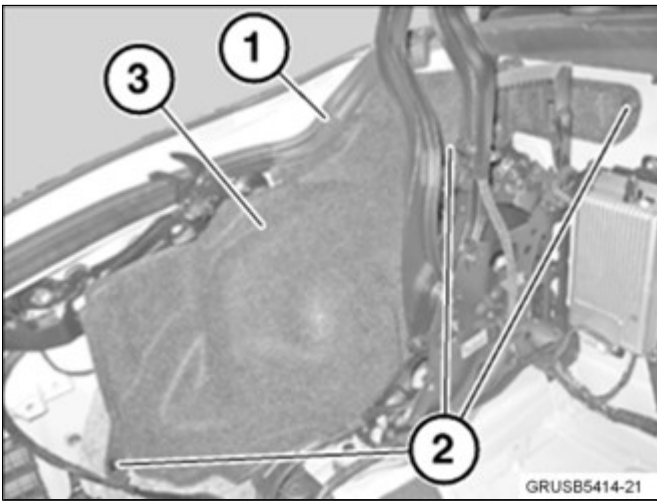
6. Pry out the expansion rivets (1).
7. Remove the panel for the luggage compartment partition wall (2).



Remove the panel for the luggage compartment side member per Repair Instruction 51 47 215, also included in this SI.

8. Unclip the trim (1).
9. Lift out the expanding rivets (2).
10. Remove the panel for the luggage compartment side member (3).

Remove the luggage compartment wheel arch panel per Repair Instruction 51 47 151, also included in this SI.



11. Partially detach the seal (1).
12. Lift out the expanding rivets (2).
13. Remove the panel (3).



14. This picture shows the sensor connector for the "Rear module closed" sensor incorrectly positioned.
15. Remove the cable tie holding the connector in place.
16. Inspect the sensor wiring harness for damage. If there is no damage, relocate the connector to the position shown in the next picture below.



17. Relocate the connector to the position shown in this picture.

18. If the sensor wire harness is damaged, the sensor must be replaced according to Repair Instruction 54 37 164, "Removing and installing/replacing the right kinematics box." The kinematics box is the "coupling lock."



19. When performing Repair Instruction 54 37 164: Skip the steps to remove the hydraulic cylinder, since the coupling lock is not being replaced, but being removed to replace the sensor.

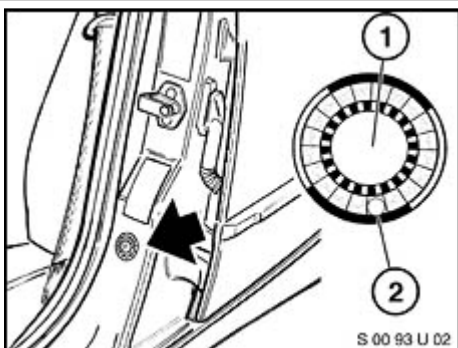


20. This picture shows the coupling lock removed, and the sensor relocated after it was replaced.
21. Once the coupling lock is reinstalled in the vehicle, verify the location of the sensor connector, as shown in step 17.

#### NEW PARTS INFORMATION

Part Number	Description	Quantity
54 37 7 228 585	Microswitch, ring buckle coupling left	1 as needed
54 37 7 228 586	Microswitch, ring buckle coupling right	1 as needed
61 13 9 200 225	Cable strap with bracket	2

#### NEW LABEL INSTRUCTIONS



This Service Action has been assigned code number **686**. After the vehicle has been checked and/or corrected, obtain a label (SD 92-439) and:

- A. Emboss your BMW center warranty number in the middle of the label (1);
- B. Punch out code number **686** (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, 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.

**NEW WARRANTY INFORMATION**

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

<b>Defect Code:</b>	<b>00 54 36 01 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 62 608	13 FRU	Reworking the wiring harness attachment on the left and right side rear module sensor only
or		
00 62 609	17 FRU	Reworking the sensor's wiring harness attachment on one side and replacing the sensor for the other side, left or right side rear module
or		
00 62 610	21 FRU	Replacing both closed rear module sensors

The labor operation codes above are Plus labor operations.

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