



This Service Information bulletin supersedes SI B72 02 09 dated August 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

NEW Recall Campaign 09V-327: Belt Tensioner Harnesses

MODEL

E89 (Z4) produced up to March 19, 2009

SITUATION

A repair harness for the front seat safety belt tensioners at the belt retractors may have been improperly installed.

This could activate the airbag warning lamp.

NEW A copy of the customer notification letter is attached.

AFFECTED VEHICLES

NEW This Recall Campaign involves E89 (Z4) vehicles which were produced from March 10, 2009 to March 17, 2009.

In order to determine whether a specific vehicle is affected by this Recall Campaign, 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.

CORRECTION

Remove and replace the previously installed belt tensioner harnesses.

PROCEDURE

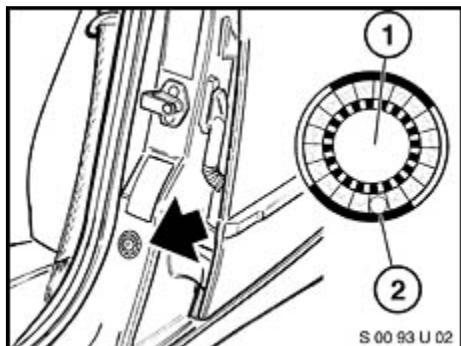
Refer to the attachment "Repair Procedure".

PARTS INFORMATION

Part Number	Description	Quantity
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61 12 6 900 928	Repair harness	1
61 13 6 902 588	Harness tape	**
	Loctite 243 Threadlocker sourced locally	**

LABEL INSTRUCTIONS



This Recall Campaign has been assigned code number **548**. After the vehicle has been checked and/or corrected, obtain a label (SD ????) and:

- A. Emboss your BMW center warranty number in the middle of the label (1);
- B. Punch out code number **548** (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.

NEW WARRANTY INFORMATION

The repair described in this bulletin is covered under warranty, regardless of time or mileage. Reimbursement for this Recall will be via normal claim entry, utilizing the following information:

Defect Code:	00 61 03 03 00	
Labor Operation:	Labor Allowance:	Description:

Before delivery of the vehicle to the customer

00 58 838	Refer to KSD2*	Repair seat tensioner wiring harnesses
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After delivery of the vehicle to the customer

00 58 254	Refer to KSD2*	Repair seat tensioner wiring harnesses
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* Labor time allowances can be located in the KSD2 by entering the VIN, clicking on the Search button and then entering the listed flat rate in the FR code field.

Sublet Code	\$1.00	** Reimbursement of up to the amount listed may be charged to sublet code 4 for the Harness Tape and Loctite 243 Threadlocker required to perform this repair. Claiming this part number outside of sublet code 4 will result in a delayed or denied claim payment.
4**		

ATTACHMENTS

view PDF attachment [B720209Customer Letter](#).
view PDF attachment [B720209Q&A](#).
view PDF attachment [B720209Repair Procedure](#).

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PROCEDURE

Repairs can be done with the vehicle on the ground.

1. Open the Retractable Hardtop (RHT) for better access to the work area.
2. Make certain the ignition is off.
3. Move the seat fully forward.

Note: All photos show the procedure for the driver's side. The tensioner harness for the driver's side has YELLOW twisted wires. The only difference for the passenger's side is that the harness wires are BLUE and GREEN.



4. Remove B-pillar trim. Refer to TIS operation [51 43 120](#) and [51 43 125](#).

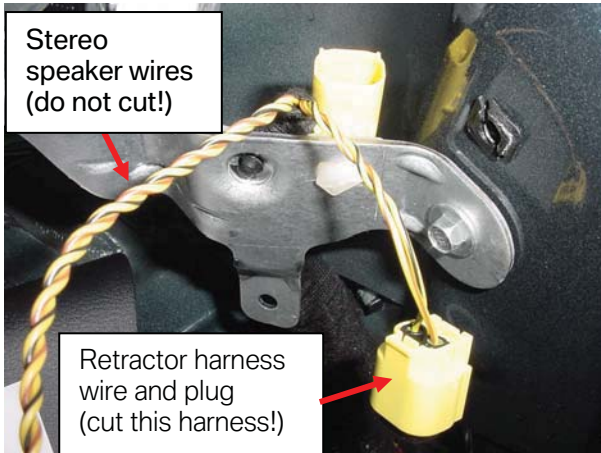
The photo shows the upper trim piece already removed, along with the storage area net disconnected.

The lower trim piece (arrow) still needs to be removed.



Note: When removing the top trim piece, there is no need to remove the round plug (circled) from the body. Carefully slip the trim piece over the plug, tilt the trim piece upwards and rearwards, and work it off the plug.

5. Follow airbag safety instructions REP 72 00 ... for safety precautions when working on airbag modules and the pyrotechnic safety belt tensioners. Improper handling can result in unintended deployment of the belt tensioner, possibly leading to injuries.



6. Access the wiring harness near the safety belt retractor.

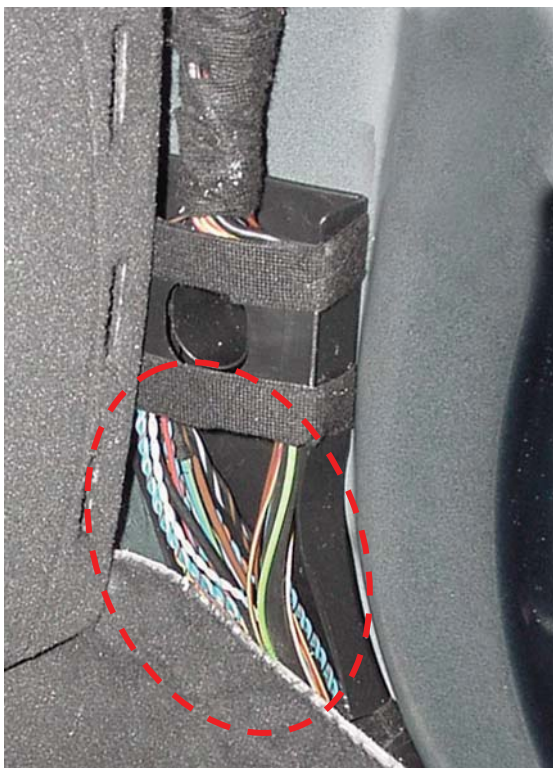
Disconnect the plug (arrow) from the vehicle harness going to the retractor.

Note: The other yellow twisted wire is for the stereo system speaker- do not mix up which harness you cut!



7. Cut off the harness as close to the harness wire upper joint (circled) possible.

Discard the removed connector.



8. Locate the retractor harness in the lower door sill area (circled).



9. There will already be two heat shrink tubes tucked into the wire harness (circled) from a previous repair.

Pull the tubes and the yellow twisted wires out enough to cut them immediately below the shrink tubing (shown with dotted line).

The previously installed repair harness can now be removed.

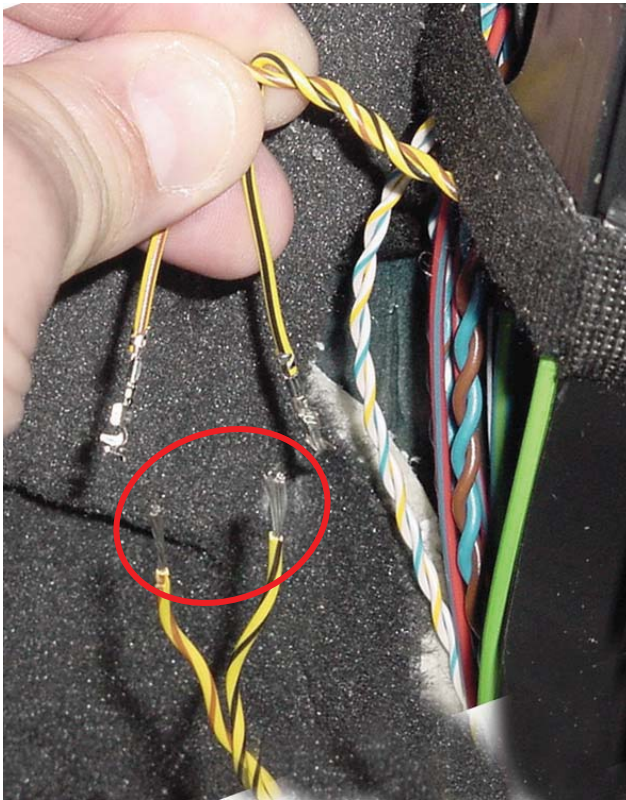


10. Obtain the **yellow** harness from the repair kit (P/N 61 12 6 900 928).

Note: The kit contains 2 sets of twisted wires, 4 crimps, 4 heat shrink tubes. The blue/green harness will be installed on the passenger side.



11. Route the yellow harness from the retractor connector down inside the wiring shields to the area from Step 9.



12. Cut the two repair harness wires slightly below (toward the front of the car) the heat-shrink tubing. For more information on repairing airbag cables, refer to REP 61 00 ... (Repairing airbag cables)

Strip 4 mm (3/32") of insulation from each wire (circled) of the vehicle harness that was cut.

The photo shows the new repair harness (top) with the stripped wires from the vehicle harness.



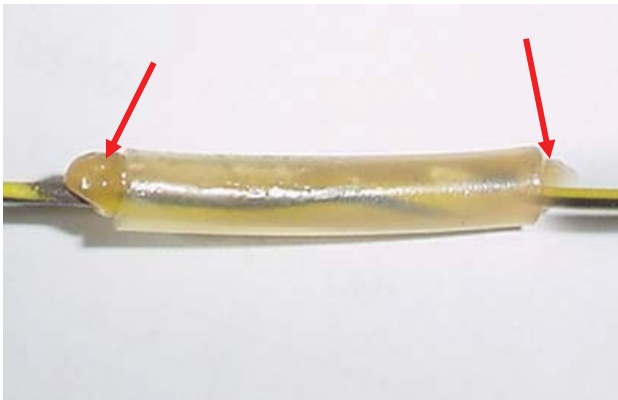
13. Position one heat-shrink tube from the repair kit over each of the two wires.

Note: The tubing appears to be very large for the wire. However, if heat is applied sufficiently long to the crimped area, the tubing will shrink firmly over the wire (shown in Step 15).



14. Double crimp (wire crimp and insulation crimp), matching up their colors (yellow/black wire and yellow/brown wire).

Note: After crimping each wire together, test the integrity of the crimp by gently pulling each end to make sure the crimp connection does not separate.



15. Position the heat-shrink tubes so they are centered over the crimp.

Use a heat gun to fully shrink the tubes.

Note 1: Sealant will ooze out of each end (arrows) to indicate full shrinkage. This feature is an additional protection for durability.

Note 2: Let the tubing cool down for several minutes before handling.

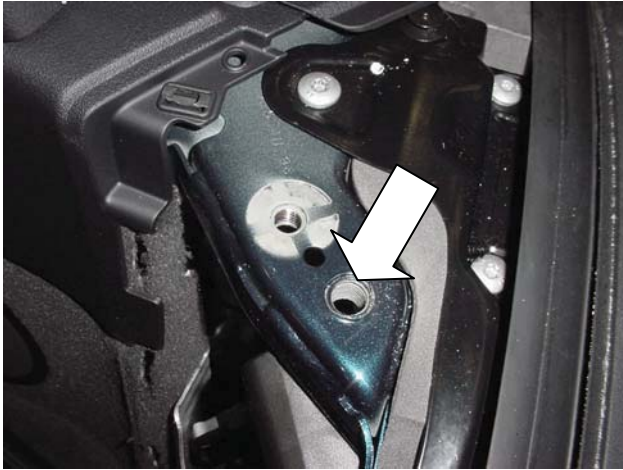


16. Position both wires back within the vehicle harness (circled).



17. Fasten the repair harness to the vehicle harness (arrow and line) using BMW harness tape.

Route the repair harness behind the vehicle harness (circled) to prevent movement.



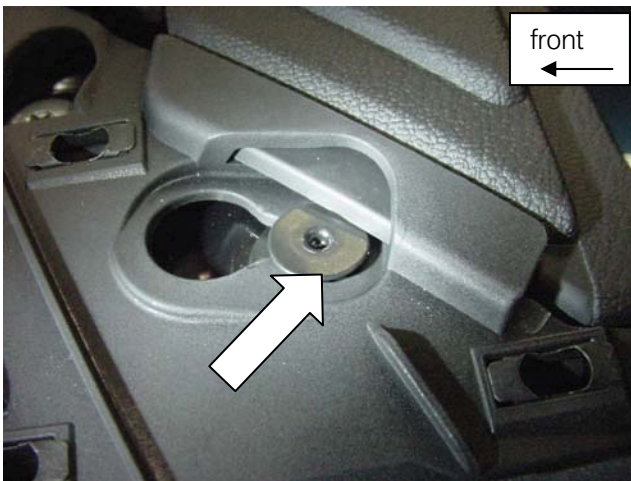
18. Reassemble the vehicle.

Note 1: The M12 bolt that fastens the safety belt swivel guide to the body (arrow) must be reused, but cleaned off for thread sealant.

Clean the threads of old sealant using a wire brush and brake cleaner spray.

Apply Loctite 243 threadlocker (blue-colored) to threads.

Torque to **90 Nm**.



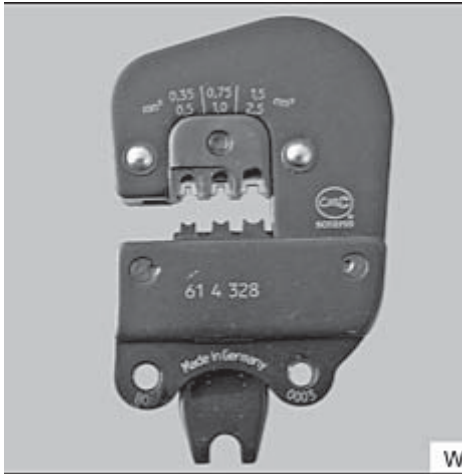
Note 2: When installing the upper trim panel, start by fastening the panel onto the rear-most plug (arrow).

19. Perform steps 3 through 18 on the belt tensioner harness for the other seat (the passenger seat utilizes the BLUE/GREEN harness).

20. Close the RHT.



21. Obtain the campaign label **SD#92-366**, emboss your BMW center warranty number in the middle of the label and punch out code number **548** printed on the label; and affix the label to the B-pillar, as shown.

SPECIAL TOOLS

Crimping die, P/N 83 30 0 495 555
(Cartool, P/N 614 328) (refer to SI B04 32 06)



Pliers, P/N 83 30 0 494 159 (no image available)

Both the die and the pliers are part of the crimping set P/N 83 30 0 494 158 (Cartool P/N 614 320).

Heat gun (obtain locally)
Torque wrench of 90 Nm capacity