



## SUBJECT

### Automatic Trunk Lift Operation Creates AM Radio Static

## MODEL

F34 (3 Series Gran Turismo)

Produced from January 31, 2013 to June 19, 2014

With option 0316 (automatic trunk lift)

## SITUATION

The customer may complain of poor AM radio reception when operating the rear automatic trunk lift.

## CAUSE

Automatic lift spindle drive motor

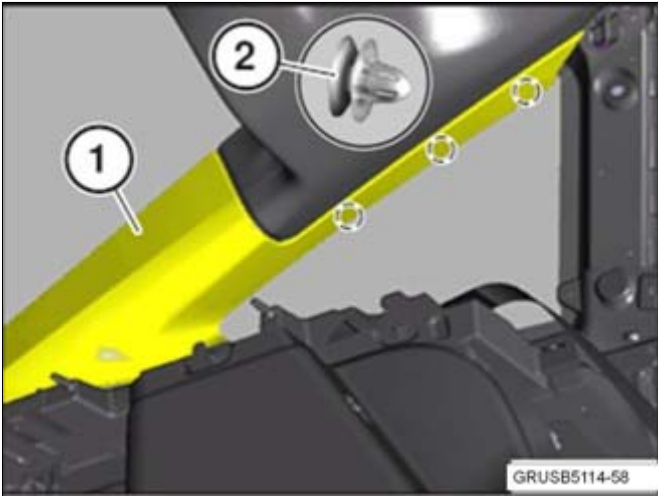
## PROCEDURE

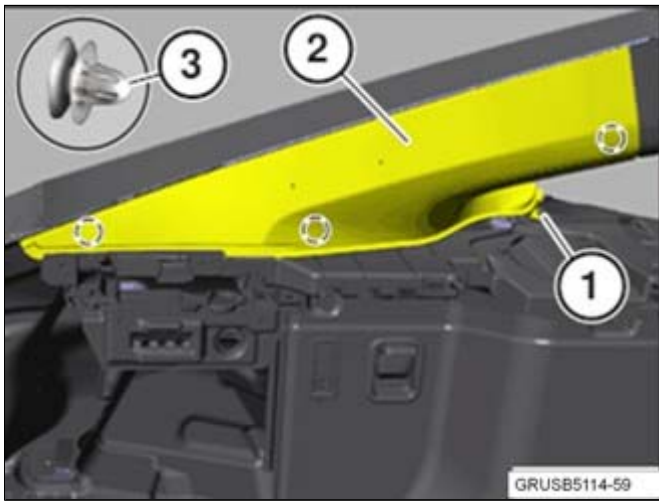
Confirm the customer complaint and then replace both left and right spindle drives using the following steps (for the left side).

When removing the spindle drive, you must be careful that the compression spring does not suddenly release. Remember it is under spring tension, so use caution when removing.

Preliminary tasks to be performed:

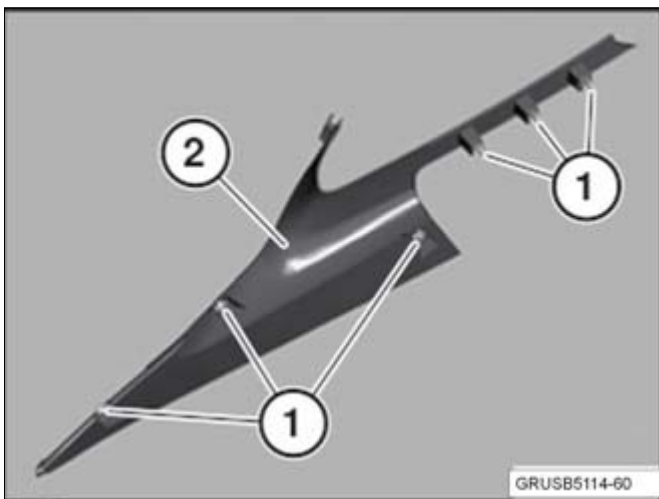
- Remove the trim panel for the roof pillar at the rear (C-pillar).

 <p>GRUSB5114-58</p>	<p>1. Release the trim panel (1) from the clips (2) in the marked area with special tool 00 9 325.</p>
	<p>2. Release the screw (1). Release the trim panel (2) from</p>



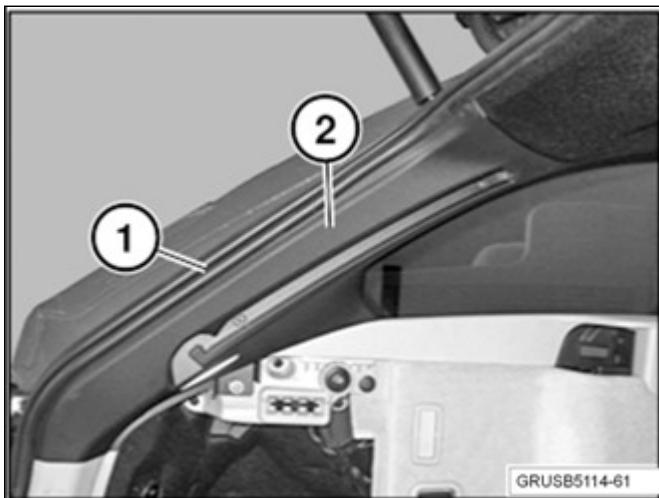
the clips (3) in the marked area with special tool 00 9 325.

Feed out the trim panel (2).



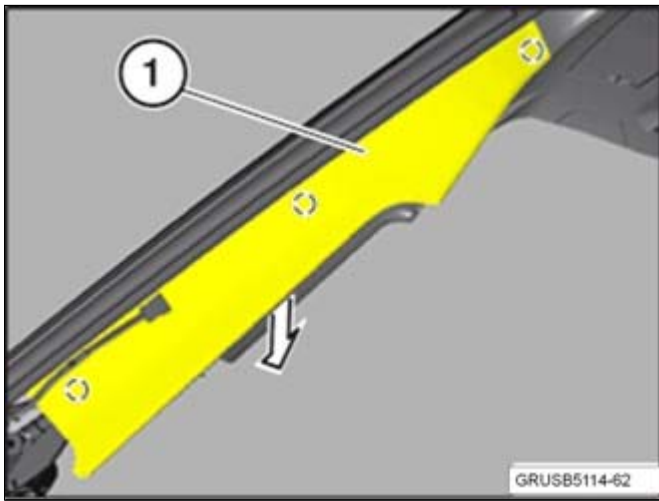
3. The clips (1) on the trim panel (2) must not be damaged or missing.

If necessary, replace any faulty clips (1).

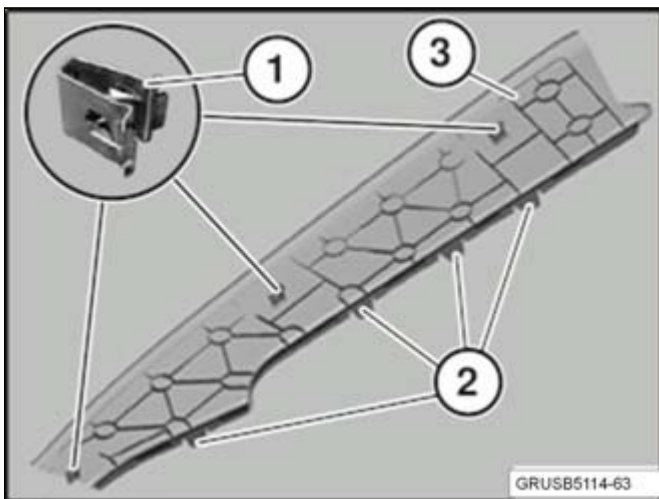


4. The lip of the edge protection (1) in the area of the trim panel (2) must not be trapped. Feed out if necessary.

Remove the cover for the rear window frame at the top.

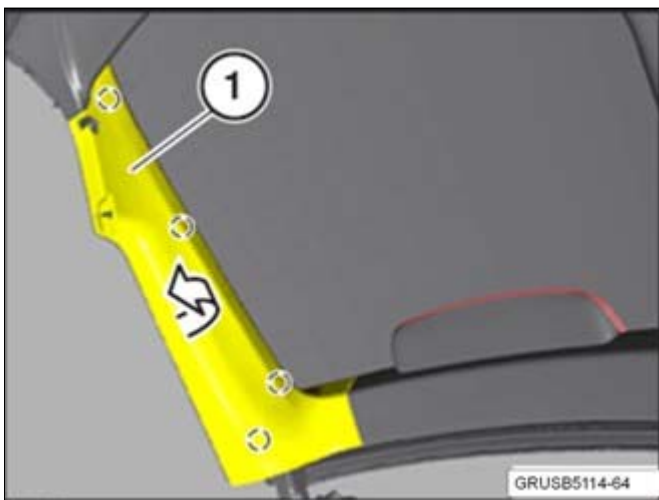


5. Release the cover (1) at the clips using special tool 00 9 325, and remove.



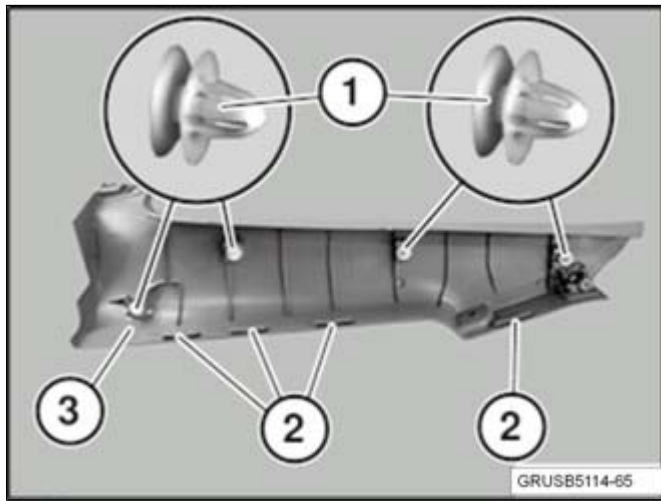
6. The clamps (1) and latch mechanisms (2) of the cover (3) must not be damaged or missing.

If necessary, replace the retainers (1).



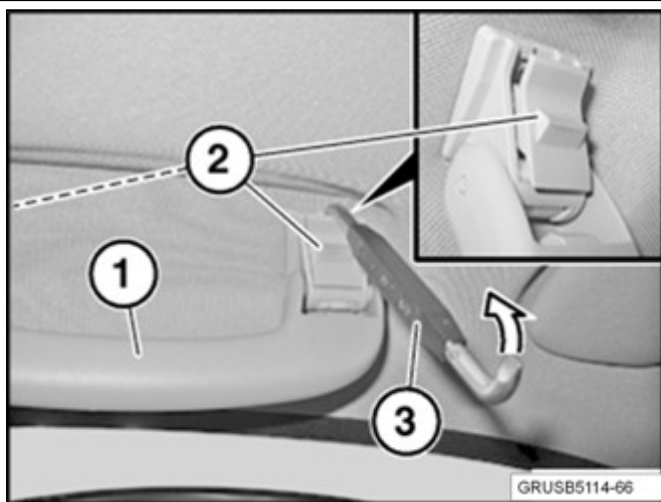
7. Release the cover (1) at the clips and remove.

8. The clips (1) and latch mechanisms (2) on the cover (3) must not be damaged or missing.



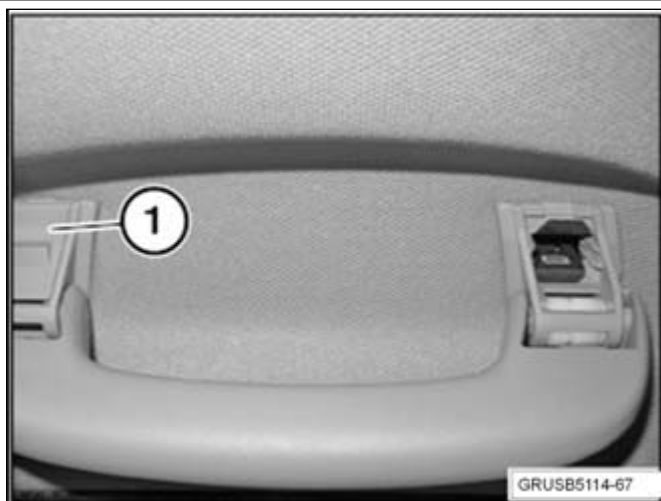
If necessary, replace the clips (1).

Remove the front grab handle.



9. Fold the grab handle (1) downwards.

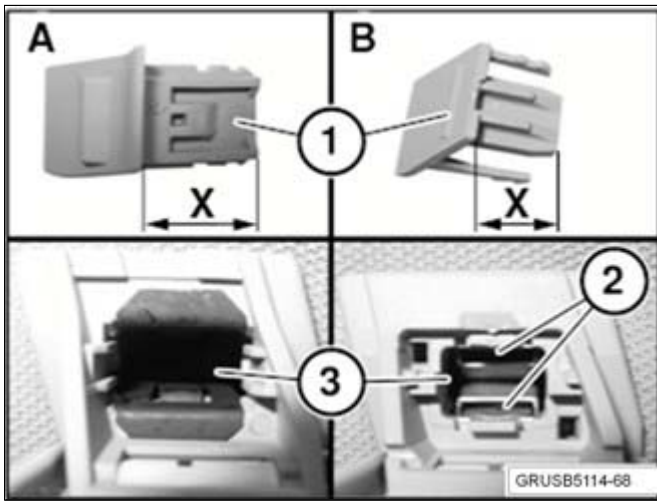
Disengage and remove the locking wedge (2) with an offset screwdriver (3), as illustrated.



10. Repeat the procedure on the rear locking wedge (1).

**Note:**

The version of the grab handle must be determined for the following procedure.

**Stem length of locking wedge (1)**

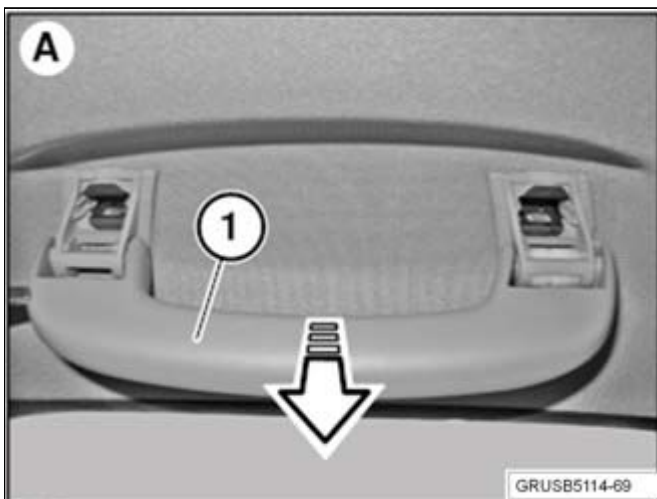
Version A: 22mm

Version B: 15mm

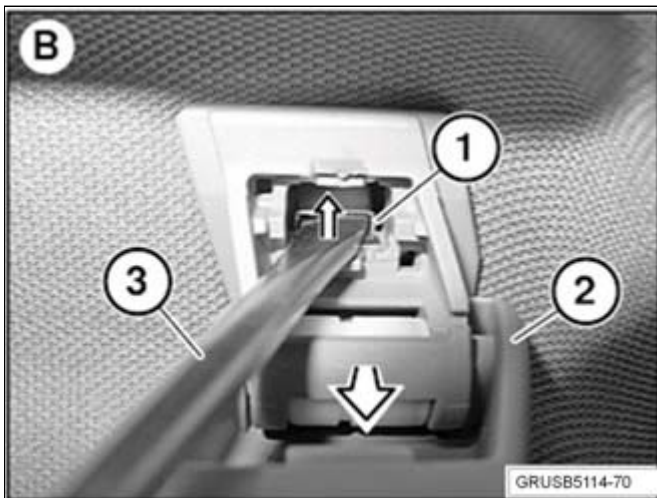
**Retaining chamber (3)**

Version A:

No release tabs, fitted loose

Version B: Welded on grab handle,  
with release tabs (2)**11. Only version A**

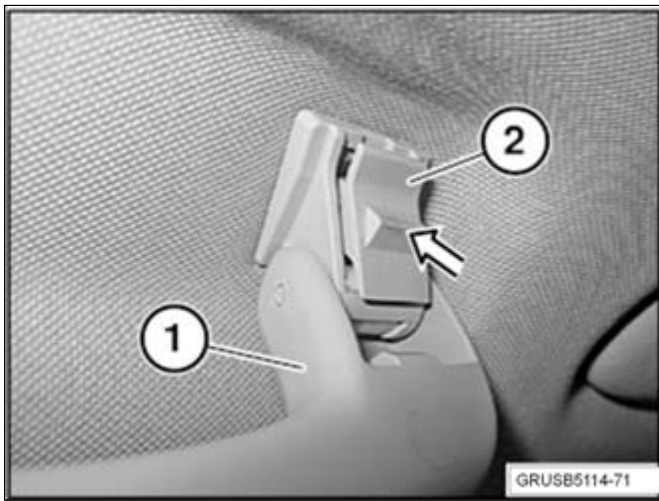
Jerk back the grab handle (1)  
until the grab handle (1)  
detaches.

**12. Only version B**

Lightly pull the grab handle (2)  
towards the inside by hand. Hold  
under tension while releasing the  
lower and upper tab (1) with the  
screwdriver (3).

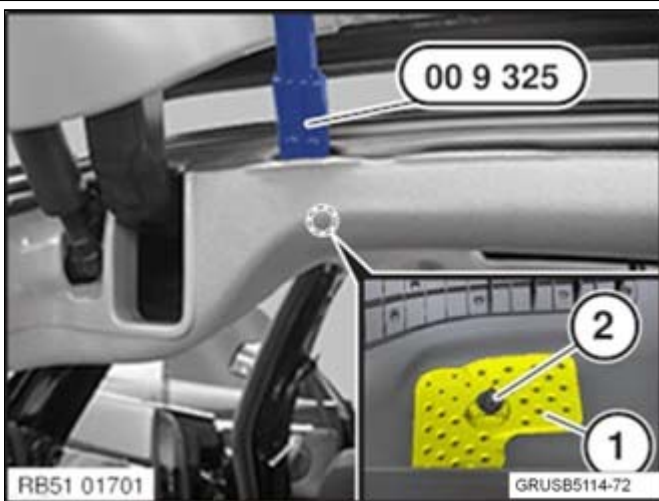
Remove the grab handle (2) and  
place to the side.

13. Only after the grab handle (1) is  
snapped in correctly can the  
locking wedges (2) be fully  
locked in position in the grab



handle (1).

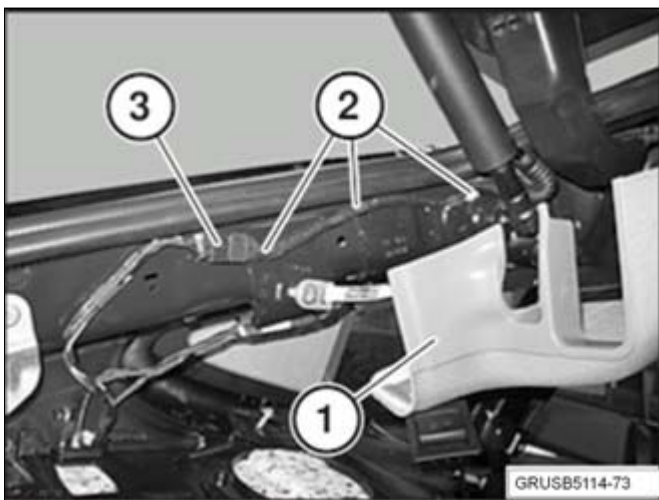
Only version B is available from September 2010.



14. Insert special tool 00 9 325 towards the rear of the headliner as illustrated, and position on the reinforcement (1).

Slightly strike special tool 00 9 325 towards the bottom to release the clip (2).

Replace any faulty clips (2).

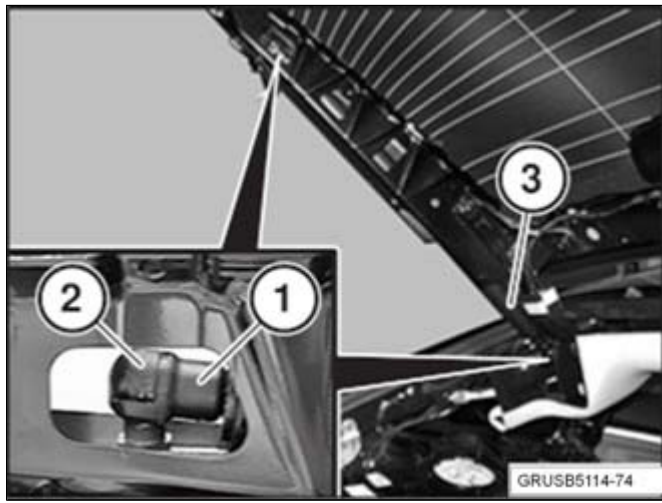


15. Press the headlining (1) slightly towards the bottom and unclip the cable clip (2).

Disconnect the plug connection (3).

16. **Danger of injury!**

Support the trunk in the fully opened position with the suitable apparatus.



Disassemble the ball socket (1) with the clamp (2).

Feed out the spindle drive (3) towards the bottom.

Repeat the repair procedure for the opposite side, and then reinstall all removed parts in the reverse order of their removal.

Initialize automatic operation of the tailgate using the service function in the diagnosis system.

Select: Body / Automatic luggage compartment lid actuation / Power tailgate initialization.

Always connect a BMW approved battery charger/power supply (SI B04 23 10).

#### PARTS INFORMATION

Part Number	Description	Quantity
51 24 7 298 983	Left spindle drive	1
51 24 7 298 984	Right spindle drive	1

#### WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

<b>Defect Code:</b>	<b>51 24 23 12 00</b>		
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>	
51 24 350	Refer to KSD2	Removing/Installing or replacing left spindle drive	
and			
51 24 851	Refer to KSD2	Removing/Installing or replacing right spindle drive as Plus work	
and			
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)	
and			
		Connect an approved battery	

61 21 528	Refer to KSD2	charger/power supply (indicated in KSD2 as “Charging battery”)
and		
61 00 006	1 FRU	Performing “vehicle test” (with vehicle diagnosis system – checking faults): Work time to Initialize automatic power tailgate function

Labor operation code 51 24 350 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 51 24 850 instead.

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.

Even though work time labor operation code 61 00 006 ends in “006,” it is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

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