



SUBJECT

Front Door Loudspeaker Make Noises When Cold

MODEL

F22 (2 Series Coupe)

F30 (3 Series Sedan)

F31 (3 Series Sports Wagon)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

F34 (3 Series Gran Turismo)

With option 0674 (Harman Kardon surround sound system for F2x) or 0688 (Harman Kardon surround sound system for F3x)

SITUATION

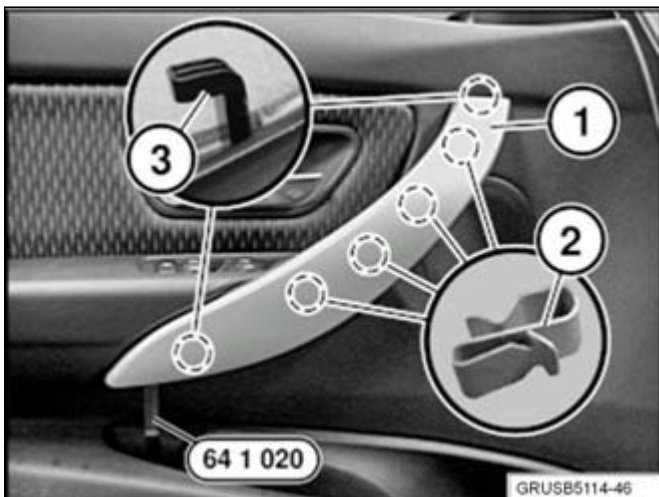
The customer complains of front door loudspeaker noises when the temperature is below freezing.

CAUSE

Water from the door window may enter the rear area of the front door medium range loudspeaker basket/cage and can solidify when the temperature drops below freezing, creating the noise.

PROCEDURE

Confirm the customer complaint of the front loudspeaker noise. Proceed to the next steps and remove the door trim panel and loudspeaker.



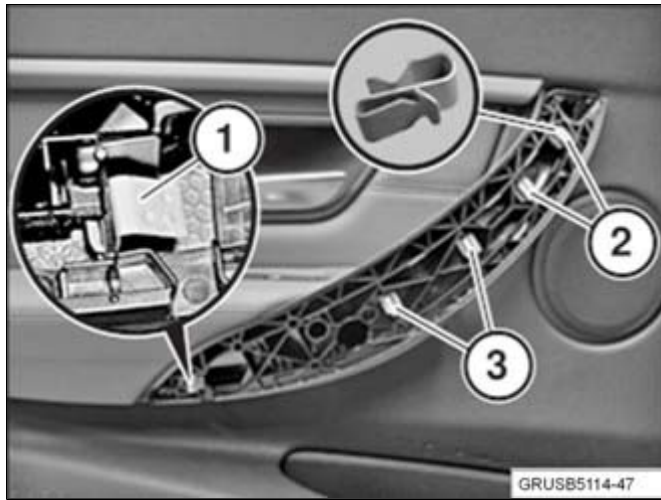
1. Working from the bottom, unclip the cover (1) from the clamps (2) and the latch mechanisms with special tool 64 1 020.

Feed out the cover (1) from the retaining hook (3).

Install the cover (1) as follows:

- a. Feed in the top retaining hook (3).
- b. Position the clamps (2) and side latch mechanisms.
- c. Feed in the bottom retaining hook (3).

d. Clip in the door trim panel.



- Clamp (1) may bend upwards when dismantling the cover.

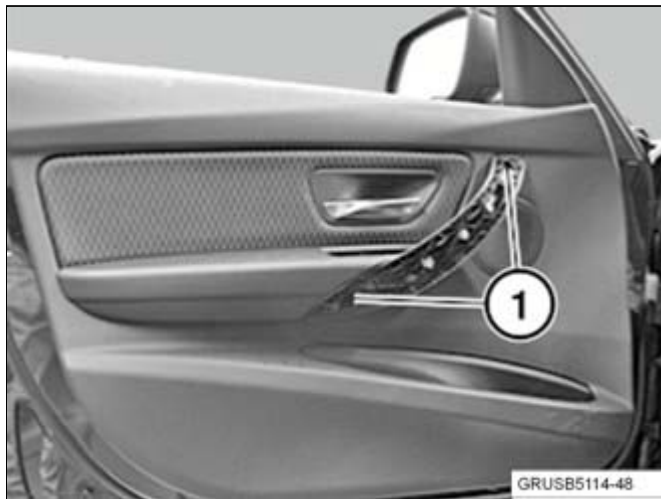
Bend the clamp (1) back by approx. 45° if necessary.

Replace any faulty clamps.

Make sure the installation location of the clamps (2 and 3) is correct.

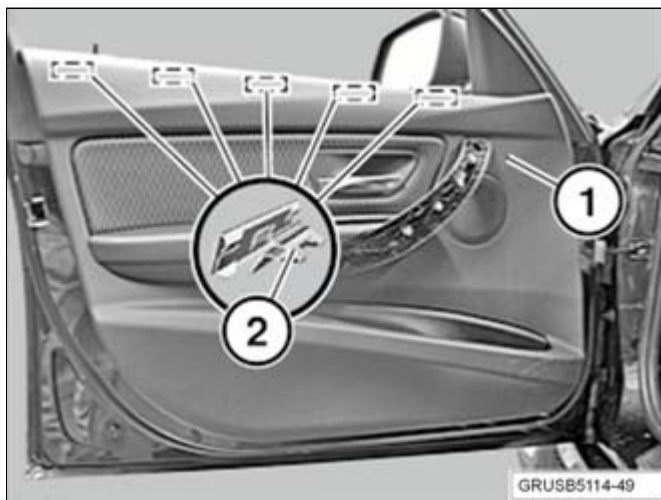
- Clamps (2) silver

- Clamps (3) black



- Remove both screws (1).

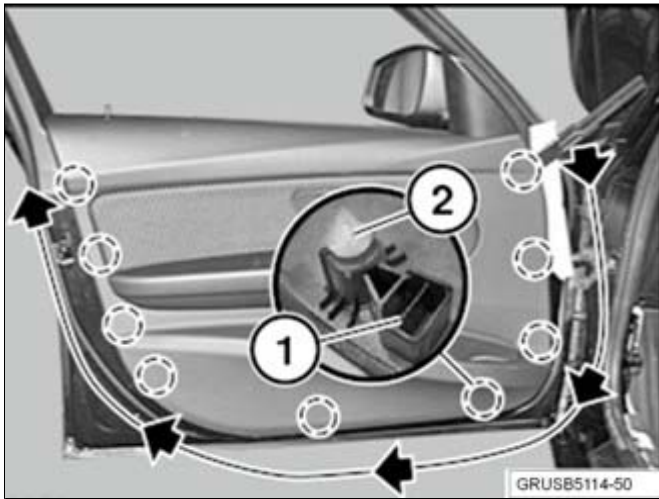
The tightening torque is 2.6 Nm.



- Pull the door trim panel (1) off the clamps (2) in an inward direction.

Replace any faulty clamps (2).

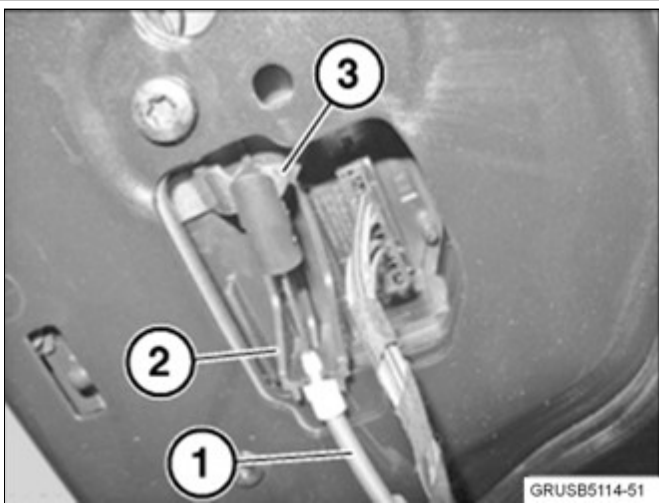
- Insert special tool 00 9 325 between the door trim panel and the front door area A-pillar/mirror triangle. Pry out the door trim panel slightly towards



the inside.

Grasp the door trim panel by hand and position special tool 00 9 325 directly on the reinforcement (1) of the first clip (2). Release the door trim panel from the first clip (2) by leveraging against the reinforcement (1).

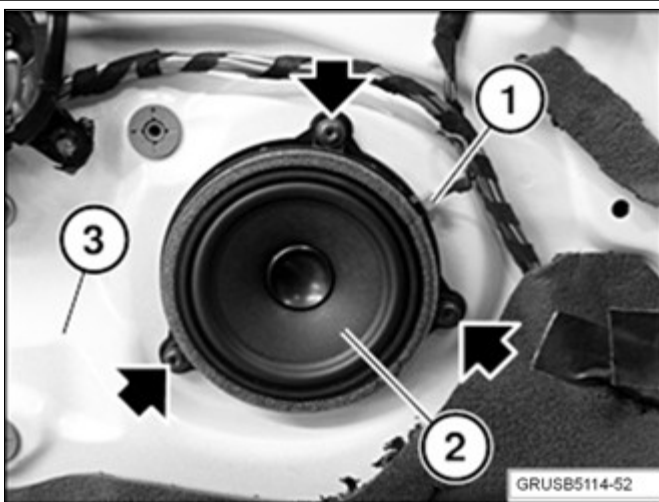
Release the remaining clips (2) in the direction of the arrow while pulling the door trim panel slightly inwards with your free hand.



6. Disengage the Bowden cable (1) for the release lever first at the counter support (2), and then at the door lock (3).

Feed out the door wiring harness from all brackets.

Unlock and disconnect all plug connections, and then remove the door trim panel.



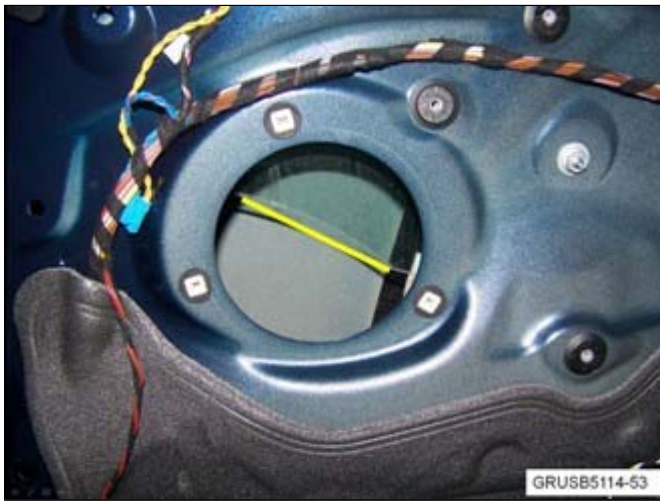
7. Remove the 3 screws at the locations marked by arrows.

The tightening torque is 2.0 Nm.

Unfasten the plug connection (1) and disconnect.

Remove the loudspeaker (2) from the inner door panel.

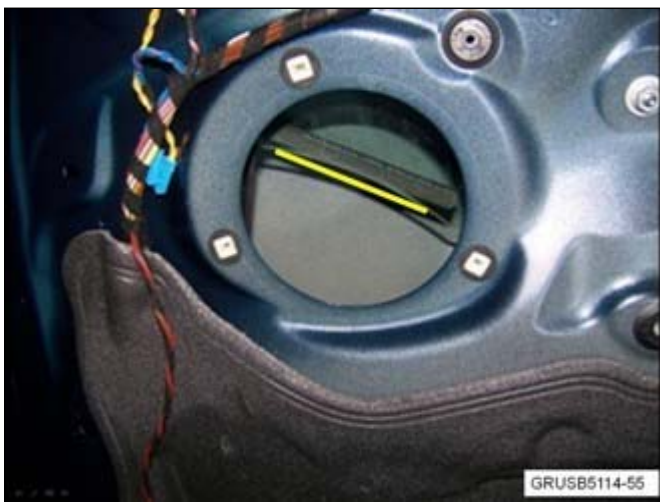
8. Lower the door window until the



lower edge of the glass can be easily accessed through the speaker opening, as shown.



9. Prepare a length of self-adhesive sunroof seal (5 cm long).

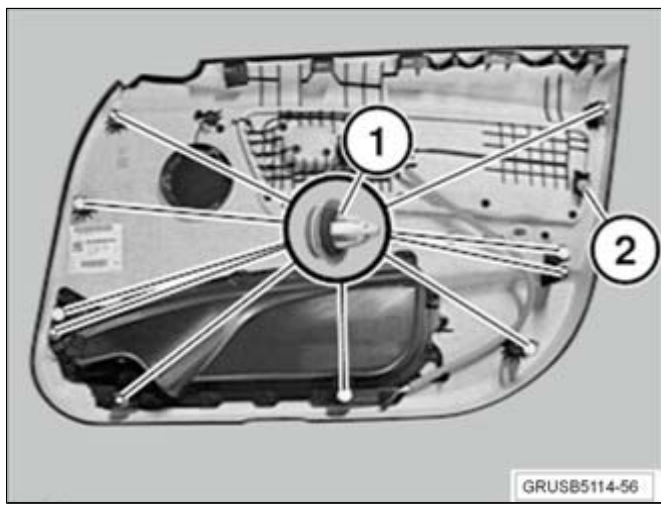


10. With a clean rag, reach through the speaker opening and clean the outside area of the lower part of the window. Remove the protective tape from the self-adhesive seal and apply it to the outside of the window in the position shown. The seal will direct the water away from the rear of the loudspeaker.

Reassemble the removed parts in the reverse order of their removal.

11. Replace any faulty clips (1 and 2).

Make sure the installation location of clips (1 and 2) is correct.



(1) Clip, natural, with sealing washer

(2) Clip, beige

PARTS INFORMATION

Part Number	Description	Quantity
54 10 7 245 551	Sunroof seal (Surrounding seal)	See sublet

WARRANTY INFORMATION

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

Defect Code:	65 13 03 37 00
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Repairing One Side

Labor Operation:	Labor Allowance:	Description:
65 13 070	Refer to KSD2	Removing and installing or replacing loudspeaker (mid-range front door)
and		
65 99 000	2 FRU	Work time to prepare and install one seal to the door window glass

and

Sublet Code 4	\$1.00	Reimbursement for the used quantity of sunroof seal (Bulk quantity P/N 54 10 7 245 551) to perform the procedure. Do not use this part number for claim submission.
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Labor operation code 65 13 070 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 65 13 571 instead.

Or:

Repairing Both Sides

Labor Operation:	Labor Allowance:	Description:

65 13 075	Refer to KSD2	Removing and installing or replacing loudspeaker (mid-range front door)
and		
65 99 000	4 FRU	Work time to prepare and install seal to the door window glass on both sides

and

Sublet Code 4	\$2.00	Reimbursement for the used quantity of sunroof seal (Bulk quantity P/N 54 10 7 245 551) to perform the procedure. Do not use this part number for claim submission.
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Labor operation code 65 13 075 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 65 13 576 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.

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