



SI B51 14 18
Body Equipment

July 2018
Technical Service

RATTLE NOISE FROM DOOR WHEN CLOSING

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F87 (M2)	
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SITUATION

A rattle or buzzing sound may be heard from either door when closing. The noise may be intermittent depending on window position.

For a video demonstrating the noise: <https://tinyurl.com/V511118>

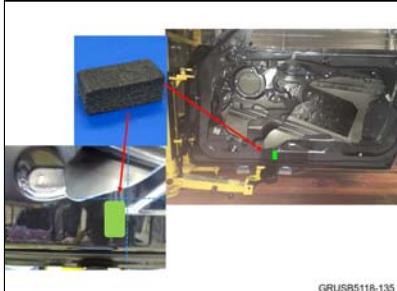
CAUSE

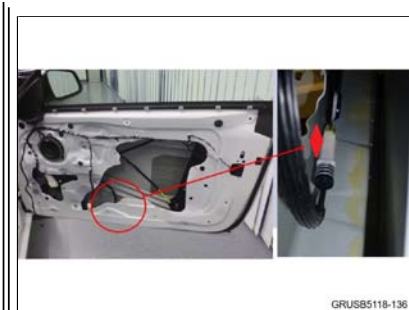
The window regulator drive cable is resting against the inside of the door, and can rattle or buzz when the door is closed.

CORRECTION

Install sound insulation foam between the regulator drive cable and the inside of the door.

PROCEDURE

	<ol style="list-style-type: none"> 1. Verify which side(s) the noise is present on by opening and closing the door multiple times. The window may need to be fully lowered and raised and retested again to duplicate the noise.
	<ol style="list-style-type: none"> 2. Remove the door trim panel and sound insulation on the affected side, following repair instructions REP 51 48 060 "Removing and installing/replacing sound insulation in left or right front door."
	<ol style="list-style-type: none"> 3. Peel off the adhesive backing and install sound insulation foam PN 51 13 8 209 642 on the inside of the door cavity, preventing the white plastic portion of the regulator cable from resting on the door.



Note: The photos to the left show the general location for installation of the sound insulation foam. The foam will be installed **inside** the door cavity, between the regulator cable and door.

4. Assemble the vehicle enough to open and close the door to retest and verify the noise is no longer present.

5. If no noise is present, completely reassemble the vehicle following repair instructions **REP 51 48 060 "Removing and installing/replacing sound insulation in left or right front door."**



Note: Reference repair instructions **REP 51 48 ... "Notes for bonding sound insulation, doors"**. Failure to follow bonding instructions exactly can result in future leaks.

PARTS INFORMATION

Part Number	Description	Quantity
51 13 8 209 642	Absorbing piece (30x15x10)	1
83 22 2 159 535	Butyl cord (D=4mm, L=10m)	Sublet as needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	5133163900	
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Repairing One Side

Labor Operation:	Labor Allowance:	Description:
51 48 060	Refer to KSD2/AIR	Removing and installing the sound insulation at the front left or right door (Main work)
Or:		
51 48 560	Refer to KSD2/AIR	Removing and installing the sound insulation at the front left or right door (Plus work)

And:		
51 00 001	1 FRU	Work time to install damping foam on one door

Or:

Repairing Both Sides

Labor Operation:	Labor Allowance:	Description:
51 48 060	Refer to KSD2/AIR	Removing and installing the sound insulation at the front left or right door (Main work)
Or:		
51 48 560	Refer to KSD2/AIR	Removing and installing the sound insulation at the front left or right door (Plus work)
And		
51 99 000	7 FRU	Work time for removing and installing the sound insulation at the other front right door (Plus work)
And:		
51 00 001	2 FRU	Work time to install damping foam on both doors

If you are using a Main labor code for another repair, use the Plus code labor operation 51 48 560 instead of 51 48 060.

Refer to KSD2/AIR for the corresponding flat rate unit (FRU) allowance.

Work time labor operation codes 51 00 001 and 51 99 000 are not considered a Main labor operations. Also, since the "work time" FRU allowance to be claimed is specified, a separate punch times are not required. However, they both still require an explanation on the repair order and in the claim comments section.

And:

Sublet – Bulk Materials

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk materials (Do not use part numbers for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part numbers) is at the dealer net price for the "quantity used" plus your center's handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.

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