



WHIRRING NOISE IN VEHICLE HEARD BETWEEN THE SUBWOOFERS WHEN LOUD MUSIC PLAYING

MODEL

E-Series	Model Description	Production Date
I15	i8 Roadster	From 3/1/2017 to End of Production

SITUATION

The customer states that there are whirring noises heard from behind the front seats when loud music is playing. It is heard coming from between the two subwoofers, behind the rear cupholder.

CAUSE

The bass-related vibration from the subwoofers causes the wiring harness to move, resulting in this noise.

CORRECTION

Encapsulate the wiring harness in a bed of spray cavity foam to stop the noise.

PROCEDURE



Release the safety belt(s) from the belt guide at the side of the seat(s).

Move both seats forward to access the storage area behind the seats.

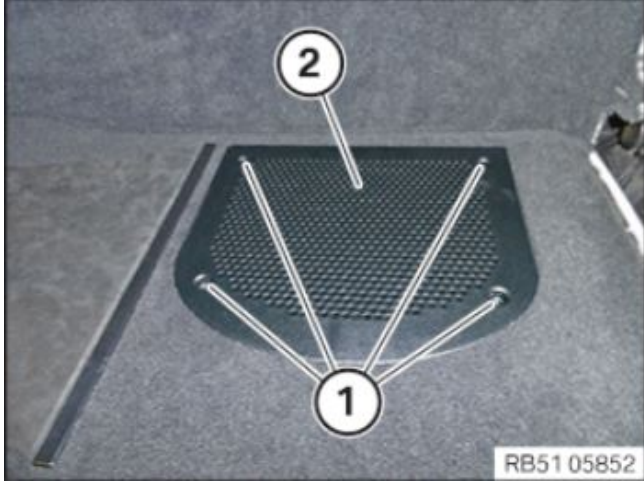


To access the harness:

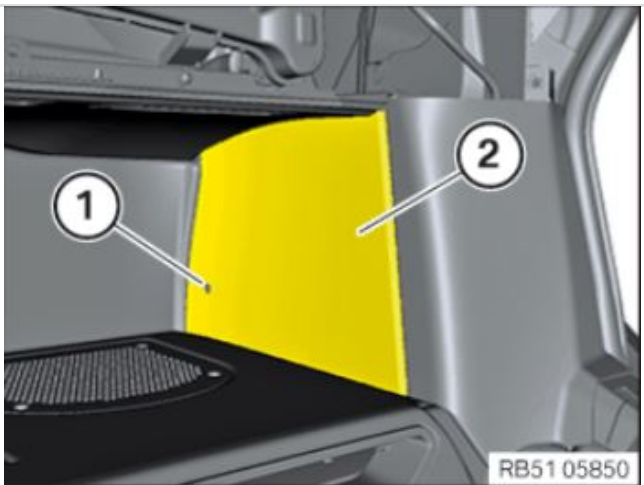
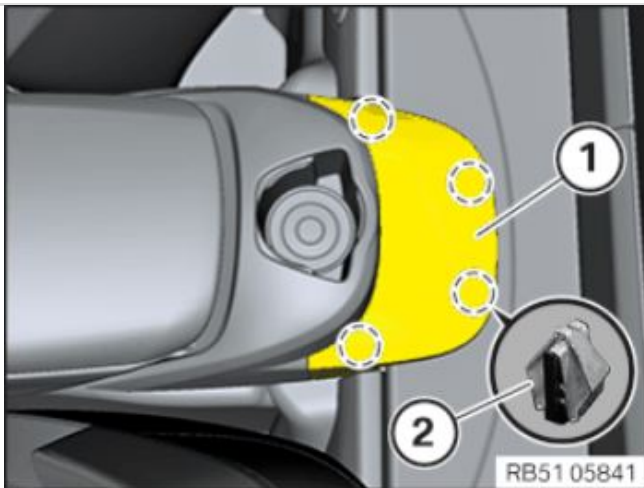
- Remove both subwoofer speaker grilles (1)
- Remove the center console trim behind the cupholder (2)

Remove the speaker grill at the 4 retaining screws (1), then lift the grill (2).

Upon reinstallation, the screws must be torqued to 1.8 Nm.

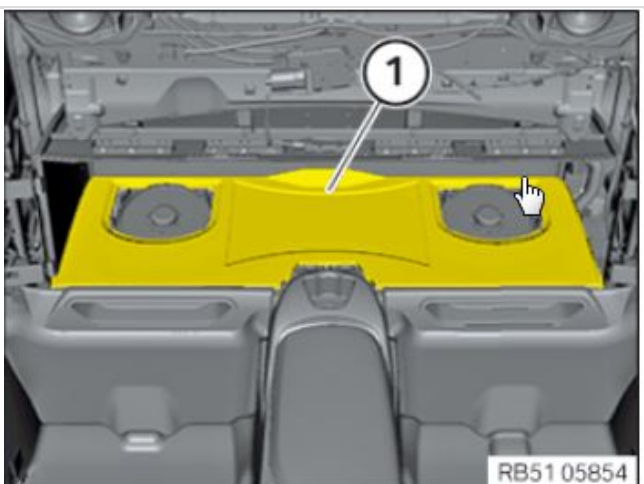


When removing the center console trim (1) behind the cupholder, there are four retaining clips (2).



To remove the left and right side trim panels (2) you must first remove the expanding rivet (1).

Disengage the trim panel (2) by pushing forward, rotate it down and inward to remove.

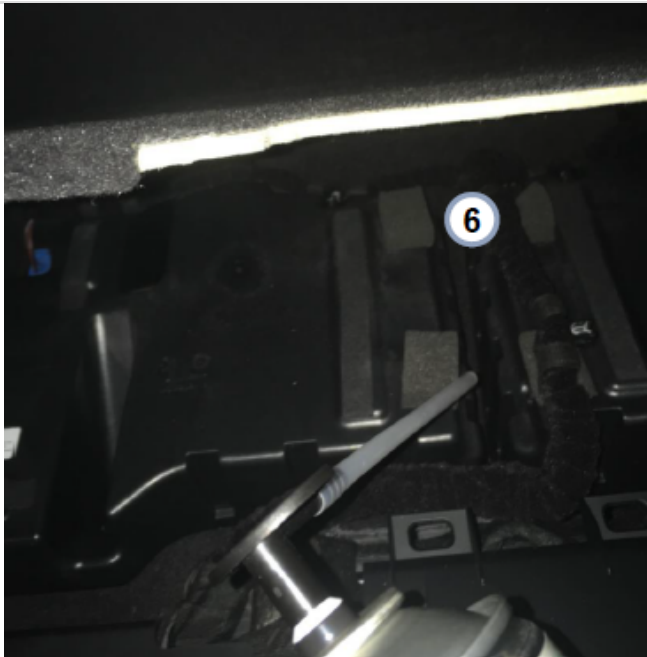


Lift up the removable panel (storage shelf; 1).

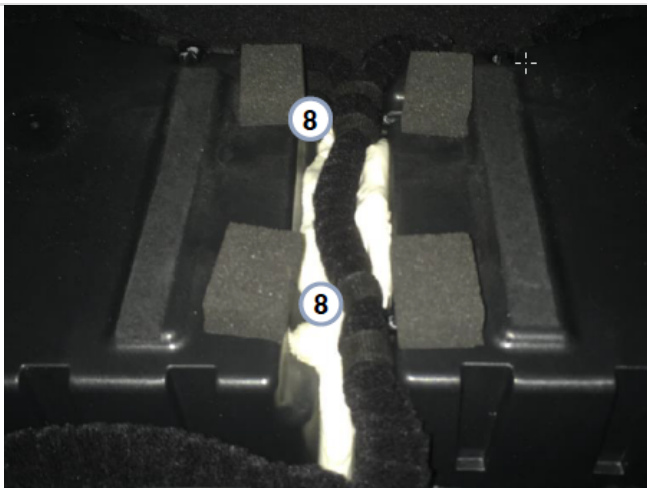
- Remove the wiring harness from its retainer clips (5)



- Lift up on the harness to open a cavity below it for the cavity foam



- Spray cavity foam generously between the two housing halves, under the harness



- Wait approximately 15 minutes until a skin has formed on the surface of the foam.

Note: Do not wait too long, or the foam will harden so that the harness can no longer be pressed in.

- Gently press the harness (8) down into the foam
- Reinstall the wiring harness into its retainer clips

- Reassemble the vehicle
- Test audio system operation using music with a lot of bass. Make sure there are no more noises heard from this area.
- If any other areas are identified as causing similar noises, please document what you find in an Info Only TSARA case



PARTS INFORMATION

A part exchange does not provide a solution in this case and is therefore not permitted.

Part Number:	Description:	Quantity:
83 42 9 410 694	Spray cavity foam (400 ml)	Sublet for used quantity

WARRANTY INFORMATION

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

Defect Code:	6111193900	Vehicle wiring harness, vehicle interior disruptive noises
Labor Operation	Description	Labor Allowance
51 47 147	Removing and installing/replacing storage shelf (Main work)	Refer to AIR
Or:		
51 47 647	Removing and installing/replacing storage shelf (Plus work)	Refer to AIR
And		
51 00 001	Work time for installing spray cavity foam	2 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 51 47 647 instead of 51 47 147.

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 51 00 001 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. However; it still requires an explanation on the repair order and in the claim comments section.

And, as needed:

Sublet – Bulk Materials (RO and Claim Comments Required)

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk material (Do not use the BMW part number for claim submission)

Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part numbers) is at the dealer net price amount 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.