



INTERMITTENT DISTORTION IN AUDIO SYSTEM, DRIVER'S SIDE

MODEL

F30 (3-Series Sedan)	F31 (3-Series Sport Wagon)
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SITUATION

Distortion in audio system from subwoofer on driver's side.



CAUSE

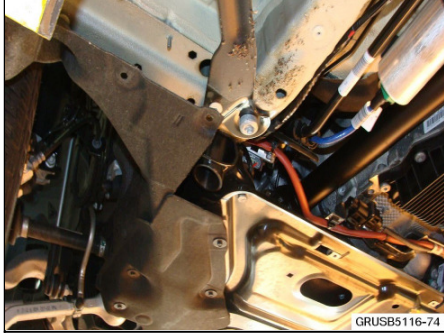
Rodent ingress into subwoofer enclosure.

CORRECTION

Remove debris and install rubber body plug in frame rail.

PROCEDURE

	<p> Note: Perform this repair on the driver's side only. If rodent ingress is suspected on the passenger's side subwoofer, create a PUMA case and provide photos showing evidence of rodent ingress.</p> <ol style="list-style-type: none"> 1. Remove Driver's side seat and subwoofer enclosure and inspect for signs of rodent ingress into subwoofer enclosure. <p>Was evidence of rodent ingress found? YES – remove debris discovered in the subwoofer enclosure. Go to next step. NO – continue diagnosing distortion with ISTA.</p>
	<ol style="list-style-type: none"> 2. Inspect subwoofer for damage.



Was subwoofer damaged by rodent ingress?

YES – replace subwoofer. Go to next step.

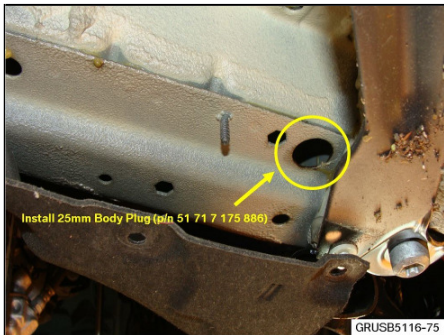
NO – go to next step.



Note: Do not replace subwoofer unless debris

cannot be removed, or subwoofer is damaged. Create an info only PUMA case showing subwoofer damage.

3. Remove underbody panelling to access lateral frame rail. Refer to REP “51 71 017 Removing and installing/replacing (left or right) underbody panelling”.



4. Install rubber body plug in location shown.



5. Continue by removing the rocker panel trim, refer to REP “51 71 447 Removing and installing or replacing trim panel for cover on left or right side member”.

Ensure all rubber body plugs in rocker panel area are installed, replace as necessary.

6. Reassemble vehicle in the reverse of disassembly.

PARTS INFORMATION

Part Number	Description	Quantity
51 71 7 175 886	Rubber body plug 25mm	1

WARRANTY

Installing body plugs and the consequential repair that directly results, if needed, are covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code	41 12 03 37 00
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Driver's side only

Labor Operation	Labor Allowance	Description
65 12 051	Refer to KSD2	Remove and Install/Replace Driver's Side Central Bass Speaker (Main Work)
And:		
51 71 517	Refer to KSD2	Removing and Installing or Replacing Underbody Paneling on Left (Plus Work)
And:		
51 71 947	Refer to KSD2	Removing and Installing or Replacing Trim Panel for the Left Side Sill (Plus Work).
And:		
41 99 000	2 FRU	Work time to install one or more body plugs.

If you are using a Main labor code for another repair, use the Plus code labor operation 65 12 551 instead.

Work time labor operation code 41 99 000 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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