

## Humming noises at various engine speeds, especially at approx. 1200-1500 rpm

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Topic number	LI82.62-P-068701
Version	1
Function group	82.62 Loudspeakers, amplifiers, antennas
Date	08-30-2018
Validity	BR 222 with engine M176, code 97B and sound system code 811
Reason for change	

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### Complaint:

At an engine speed of approx. 1200 to 1500 rpm, a distinct, low-frequency humming noise can be heard.

As the engine speed rises (approx. 3000 to 3500 rpm), the frequency of the humming noise increases.

When a side window or the sliding sunroof is opened, the humming noise immediately stops.

### Cause:

The parameter set in control unit N40/3 - Sound system (SOUND) may be causing the humming noise.

The sound is output via the bass speakers of the sound system.

### Remedy:

Use XENTRY to check the software of control unit N40/3 - Sound system (SOUND) and update it if necessary.

Check the assignment of the microphones in the roof lining.

In isolated cases, the wiring of the microphones may have been misconnected at the factory - left/right transposed.

The assignment of the microphones can be checked using XENTRY Diagnosis.

To do this, in control unit N40/3 - Sound system (SOUND), select the function "Actual values" - "Microphones".

If the assignment of the microphones is incorrect, correct it according to the wiring diagram.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			8230Y 36	Only valid with code 811