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## Audio System - Volume Fluctuates Unexpectedly

[Notes](#)

Date: October 2, 2006

Order No.: T-B-82.60/192c

Supersedes: T-B-82.60/192b dated Sept 14, 2004

Group: 82

### Revision History

#### Revision Date Purpose

c	10/2/06	Remedy Updated
b	9/14/04	Remedy Updated
a	9/29/03	Remedy Updated
-	4/16/02	Initial issue

### SUBJECT:

Model 163.154/174, as of VIN A289560

Model 163.157/175

As of Model Year 2002, Equipped with BOSE Sound [Amplifier](#) Option Code 810

Modular Control System (MCS) Speed-Dependent Volume Control Malfunction in

Vehicles Equipped with Sound [Amplifier](#)

If you receive customer reports in the above model vehicles of unexpected volume fluctuation or speed dependent volume adjustment not functioning, this may be due to the Sound [Amplifier](#) (A2/13) not coded correctly to handle the wheel speed signal or due to a malfunction in the Sound Amplifier microphone (B25/6). To resolve, follow the procedure outlined below.

#### A. Check the MCS and BOSE Sound [Amplifier](#)

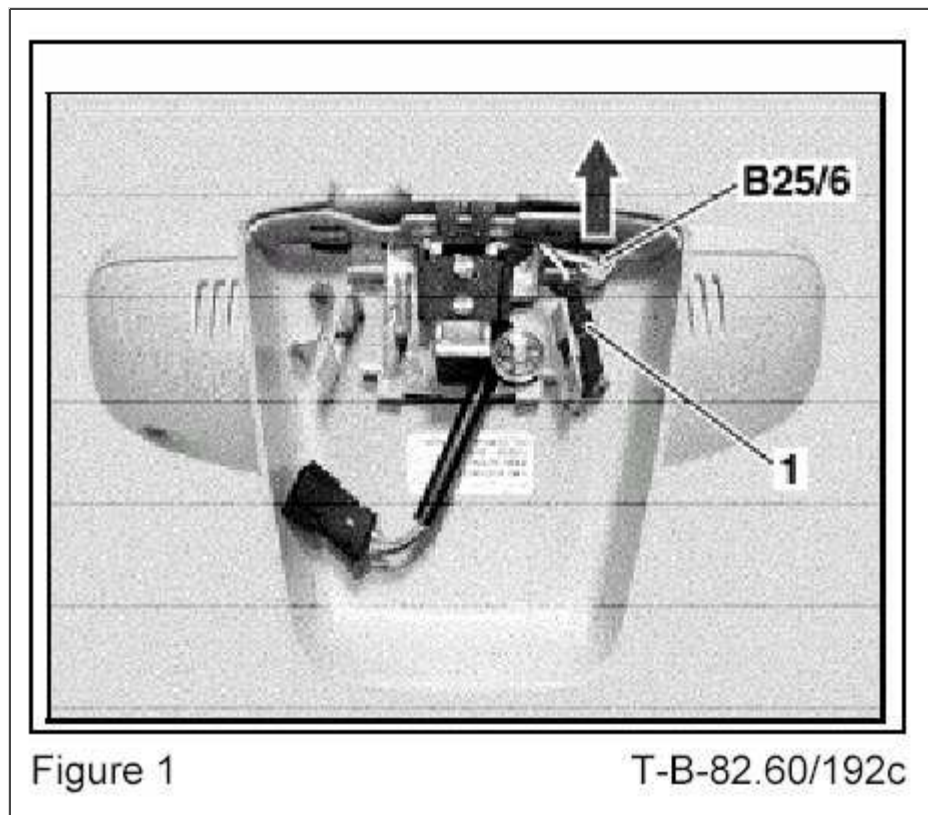
1. Connect DAS -> Select the vehicle model -> control units -> information and communication -> D2B- COMAND, MCS or Audio -> control unit adaptations -> read coding and change if necessary -> Radio parameters -> vehicle response volume, set the vehicle's speed-dependent volume control to "OFF" -> F3 -> F3 -> select "yes" to carry over the coding the MCS -> F2 to reset the MCS. If the error still exists, proceed to step 2.

2. Read out any Diagnostic Trouble Codes. Check for DTC N1260 (Sound [Amplifier](#) Faulty). If the DTC is stored, replace the Sound Amplifier. Refer to WIS document AR82.62-P-7720GH. If error still exists, proceed to step 3.
3. Visually check the part number and "Q-Level" of the Sound [Amplifier](#). Ensure the vehicle is equipped with: Sound Amplifier part number A163 820 40 89 or later and Q-5 or later version.

**NOTE:** As of MY 2002, the speed-dependent volume is controlled by the BOSE Sound [Amplifier](#).

B. Check the Sound [Amplifier](#) Microphone

1. Check the Sound [Amplifier](#) Microphone (Figure 1, B25/6). Reference WIS Document AR82.62-P-1110GH.



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2. If the microphone is not functioning correctly, replace it in accordance to WIS Document AR82.62-P-7700GH (Figure 1).

**NOTE:** As you remove the Microphone, insure that the wiring harness is not damaged.

3. After assembly of new microphone, re-check per step 1.

Qty.	Part Name	Part Number
1	Microphone	A163 820 10 35
1	Sound Amplifier, BOSE - Q5 or higher	A163 820 27 89

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## Parts Information

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