

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Left/right audio power amplifier (N40/3) Voltage supply	9 —   26	Disconnect connector from N40/3. Radio (A2): OFF	11 – 14 V	Fuse F16 in fusebox F4, Fuse in N40/3 (Figure 2), Ground (W6/1 or W7/1), Wiring, Values OK: ⇒ 1.1.
1.1		N40/3 Control voltage from radio (A2)	9 —   8	Disconnect connector from N40/3. Radio (A2): ON	11 – 14 V	Wiring, Radio (A2), see – 3.1 23 ⇒ 2.0.
2.0		N40/3 Speaker signal from radio (A2) Left front: 10 —   18 Right front: 1 —   2 Left rear: 3 —   5 Right rear: 4 —   6 (Figure 2)	 18  2  5  6	Disconnect connector from N40/3. Radio (A2): ON Adjust volume to maximum.	> 0.2 V Short voltage surges permitted	Wiring, Radio (A2), see – 3.1 23 AD82.60 in WIS

5.9 Loudspeaker Systems (LS)

Model 210 with Sound System

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3.0		Speaker group Left front door (H4/1)	H4/1 9 —  — 13 9 —  — 21 21 —  — 13	Disconnect connector from N40/3. Connect function generator¹⁾ and set a frequency of 100 to 10,000 Hz with a voltage amplitude of 2 V. Radio (A2): OFF	$\infty \Omega$ $\infty \Omega$ The set frequency can be heard via the speakers.	Wiring, H4/1, Values OK: N40/3
4.0		Speaker Left rear door (H4/3)	H4/3 15 —  — 23 9 —  — 15 9 —  — 23	Disconnect connector from N40/3. Radio (A2): OFF	1.5 – 2.5 Ω $\infty \Omega$ $\infty \Omega$	Wiring, H4/3, Values OK: N40/3
5.0		Speaker group Left rear (H4/7)	H4/7 12 —  — 20 9 —  — 12 9 —  — 20	Disconnect connector from N40/3. Radio (A2): OFF	1.5 – 2.5 Ω $\infty \Omega$ $\infty \Omega$	Wiring, H4/7, Values OK: N40/3

¹⁾ Voltage amplitude changes result in volume changes; Frequency changes result in tone changes.

5.9 Loudspeaker Systems (LS)

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6.0		Speaker group Right front door (H4/2)		Disconnect connector from N40/3. Connect function generator ¹⁾ and set a frequency of 100 to 10,000 Hz with a voltage amplitude of 2 V. Radio (A2): OFF	$\infty \Omega$ $\infty \Omega$ The set frequency can be heard via the speakers.	Wiring, H4/2, Values OK: N40/3
7.0		Speaker Right rear door (H4/4)		Disconnect connector from N40/3. Radio (A2): OFF	$1.5 - 2.5 \Omega$ $\infty \Omega$ $\infty \Omega$	Wiring, H4/4, Values OK: N40/3
8.0		Speaker Right rear (H4/8)		Disconnect connector from N40/3. Radio (A2): OFF	$1.5 - 2.5 \Omega$ $\infty \Omega$ $\infty \Omega$	Wiring, H4/8, Values OK: N40/3

¹⁾ Voltage amplitude changes result in volume changes; Frequency changes result in tone changes.

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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0		Acoustimass® bass module (H4/17) Model 210.2 Bass module speaker 1	H4/17 11 —    — 19 9 —    — 11 9 —    — 19 Bass module speaker 1 12 —    — 20 9 —    — 12 9 —    — 20	Disconnect connector from N40/3. Radio (A2): OFF	0.5 – 1.5 Ω $\infty \Omega$ $\infty \Omega$ 0.5 – 1.5 Ω $\infty \Omega$ $\infty \Omega$	Wiring, H4/17, Values OK: N40/3

Connections on back of Radio

Figure 1

A

- 1 Speed-sensitive volume control
- 2 Not used
- 3 Muting by telephone system
- 4 Permanent plus (circuit 30)
- 5 Automatic antenna control
- 6 Illumination (circuit 58)
- 7 Switched plus (circuit 15)
- 8 Ground (circuit 31)

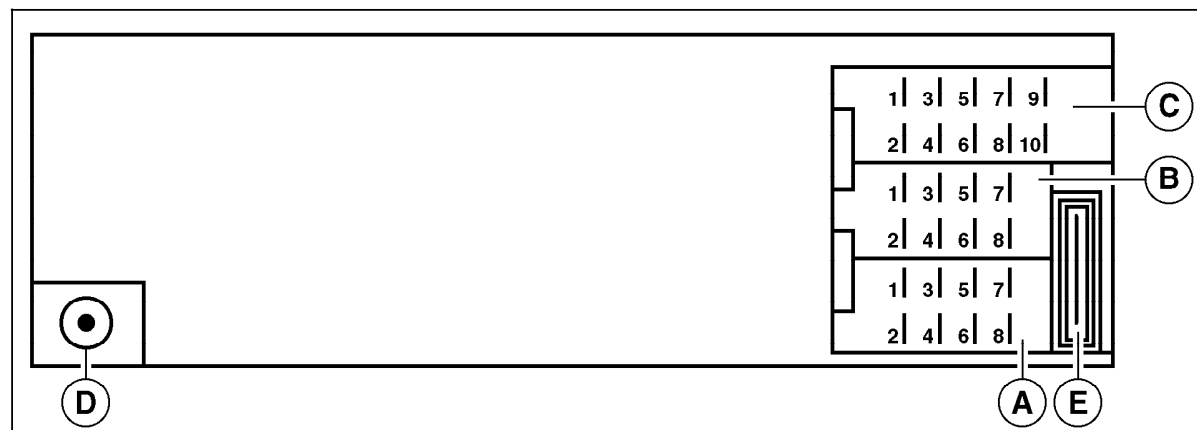
B

- 1 Right rear loudspeaker +
- 2 Right rear loudspeaker -
- 3 Right front loudspeaker +
- 4 Right front loudspeaker -
- 5 Left front loudspeaker +
- 6 Left front loudspeaker -
- 7 Left rear loudspeaker +
- 8 Left rear loudspeaker -

- C** Connector for CD changer, coding (via wiring harness)

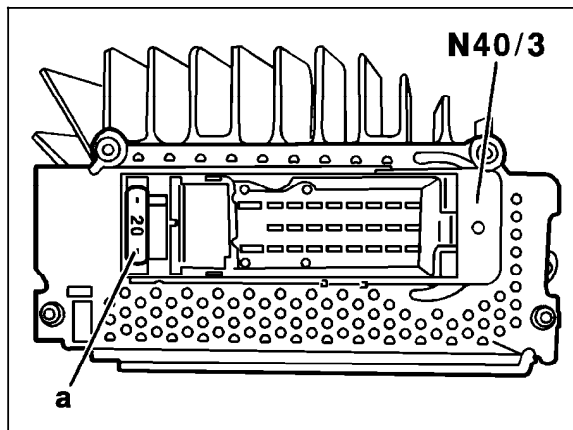
- D** Antenna jack

- E** Fuse



P82-6245-53

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P82-7024-13

Figure 2

N40/3 Left/right audio power amplifier

a Fuse