

5.5 Loudspeaker Systems (LS)

Model 140, as of M.Y. 1994

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 —  N40/3  ← — — — → — 26	Radio (A2): OFF Disconnect N40/3.	11 – 14 V	Fuse F4-16, Fuse in N40/3 (Figure 1), Ground (W6), Wiring, ⇒ 1.1, If nominal value is OK: Replace N40/3.
1.1	Control voltage from radio (A2)	9 —  N40/3  ← — — — → — 8	Disconnect N40/3. Radio (A2): ON	11 – 14 V	Wiring, Radio (see section 3.1 23), ⇒ 1.2.
1.2	Speaker signal from radio (A2) left front: right front: left rear: right rear:	N40/3 10 —  1 —  3 —  4 —      — 18 — 2 — 5 — 6	Disconnect N40/3. Turn volume control to maximum. Radio (A2): ON	> 0.2 V A momentary lower value is permissible.	Wiring, Radio (see section 3.1 23).

5.5 Loudspeaker Systems (LS)

Model 140, as of M.Y. 1994

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0	Left front door speaker group (H4/1)	H4/1 21 —  — 13 9 —  — 13 21 —  — 9	Radio (A2): OFF Disconnect N40/3.	Up to 06/95: 0.6 – 1.2 Ω As of 07/95: 1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/1, If nominal values are OK: Replace N40/3.
3.0	Right front door speaker group (H4/2)	H4/2 14 —  — 22 9 —  — 22 14 —  — 9	Radio (A2): OFF Disconnect N40/3.	Up to 06/95: 0.6 – 1.2 Ω As of 07/95: 1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/2, If nominal values are OK: Replace N40/3.
4.0	Sedan Left rear door speaker (H4/3) Coupé Left front door speaker (H4/5)	H4/3 or H4/5 15 —  — 23 9 —  — 23 15 —  — 9	Radio (A2): OFF Disconnect N40/3.	Up to 06/95: 3.2 – 4.0 Ω As of 07/95: 1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/3 or H4/5, If nominal values are OK: Replace N40/3.

5.5 Loudspeaker Systems (LS)

Model 140, as of M.Y. 1994

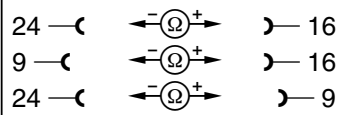
Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	Sedan Right rear door speaker (H4/4) Coupé Right front door speaker (H4/6)	H4/4 or H4/6 17 —  — 25 9 —  — 25 17 —  — 9	Radio (A2): OFF Disconnect N40/3.	Up to 06/95: 3.2 – 4.0 Ω As of 07/95: 1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/4 or H4/6, If nominal values are OK: Replace N40/3.
6.0	Left rear door speaker group (H4/7)	H4/7 12 —  — 20 9 —  — 20 12 —  — 9	Radio (A2): OFF Disconnect N40/3.	0.6 – 1.4 Ω ∞ Ω ∞ Ω	Wiring, ⇒ 6.1, If nominal values are OK: Replace N40/3.
6.1	Left rear door speaker group (H4/7) Individual speakers (H4/7h1 or H4/7h2)	H4/7h1 or H4/7h2 —  —	Radio (A2): OFF Disconnect speaker group connectors.	1.8 – 2.4 Ω	H4/7h1 or H4/7h2.
7.0	Right rear door speaker group (H4/8)	H4/8 11 —  — 19 9 —  — 19 11 —  — 9	Radio (A2): OFF Disconnect N40/3.	0.6 – 1.4 Ω ∞ Ω ∞ Ω	Wiring, ⇒ 7.1, If nominal values are OK: Replace N40/3.

5.5 Loudspeaker Systems (LS)

Model 140, as of M.Y. 1994

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
7.1	Right rear door speaker group (H4/8) Individual speakers (H4/8h1 or H4/8h2)	H4/8h1 or H4/8h2 	Radio (A2): OFF Disconnect speaker group connectors.	1.8 – 2.4 Ω	H4/8h1 or H4/8h2.
8.0	Center fill tweeter speaker (H4/11)	H4/11 	Radio (A2): OFF Disconnect N40/3.	3.6 – 4.2 Ω $\infty \Omega$ $\infty \Omega$	Wiring, H4/11, If nominal values are OK: Replace N40/3.

Electrical Test Program – Test

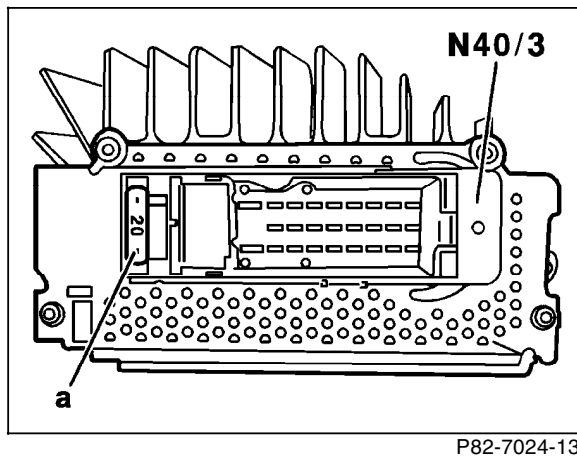


Figure 1

N40/3 Left/right audio power amplifier

a Fuse