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	N40/3 9 — (-)V(+) — 26	Remove radio (A2). Disconnect connector from Left/right audio power amplifier (N43/3).	11 – 14 V	Fuse F12 in fuse box (F1) Ground W6 (left wheelhousing in trunk) Wiring Values OK: ⇒ 1.1,
1.1	Control voltage from radio	N40/3 9 — (-)V(+) — 8	Remove radio (A2). Disconnect connector from Left/right audio power amplifier (N43/3). Radio (A2): **ON**	11 – 14 V	Wiring A2 Values OK: ⇒ 2,
2.0	**Left/right audio power amplifier (N40/3)** Speaker signals from radio (A2) left front: right front: left rear: right rear:	N40/3 (-)V(+) 10 — 18 1 — 2 3 — 5 4 — 6	Disconnect connector from Left/right audio power amplifier (N43/3). Radio (A2): **ON** Set the audio volume to max.	>0.2 V Short surges permitted	Wiring, Radio (A2)

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0	**Left front door speaker (H4/5)**	H4/5 21 — Ω — 13 9 — Ω — 21 9 — Ω — 13	Connector on N40/3 disconnected. Radio (A2): **OFF**	1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/5, Connectors, Values OK: N40/3.
4.0	**Left front speaker (H4/9)**	H4/9 1 — Ω — 2	Remove H4/9. Disconnect connector x1 on speaker. Perform measurement between speaker coil and capacitor (Figure 2). Radio (A2): **OFF**	7.5 – 8.5 Ω	H4/9. Values OK: Wiring, Radio (A2)
5.0	**Left rear door speaker (H4/3)**	H4/3 15 — Ω — 23 9 — Ω — 23 9 — Ω — 15	Connector on N40/3 disconnected Radio (A2): **OFF**	3.5 – 4.5 Ω ∞ Ω ∞ Ω	Wiring, H4/3, Values OK: N40/3.
6.0	**Left rear speaker (H4/7)**	H4/7 12 — Ω — 20 9 — Ω — 20 9 — Ω — 12	Connector on N40/3 unplugged. Radio (A2): **OFF**	1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/7, Values OK: N40/3.

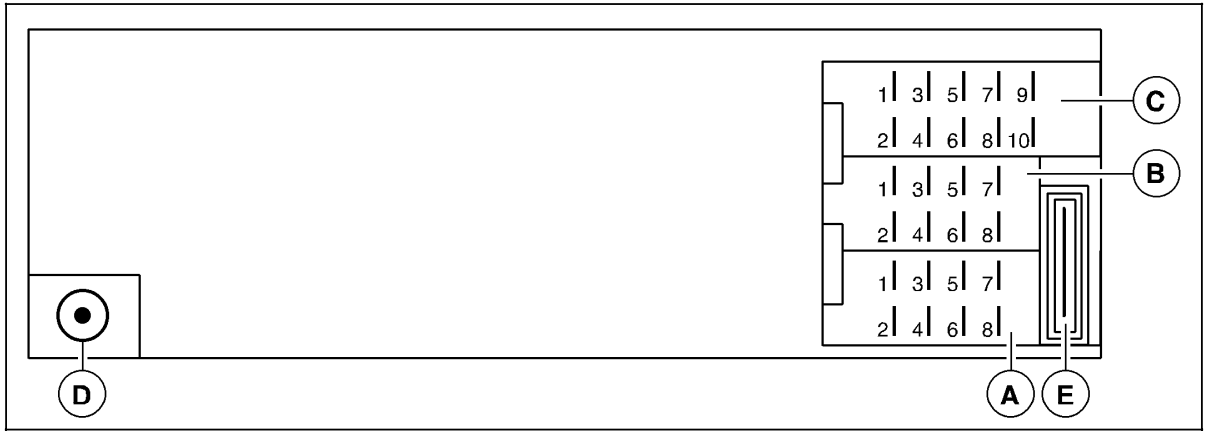
Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
7.0	**Right front door speaker (H4/6)**	H4/6 14 — Ω — 22 9 — Ω — 22 9 — Ω — 14	Connector on N40/3 disconnected. Radio (A2): **OFF**	1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/6, Values OK: N40/3.
8.0	**Right front speaker (H4/10)**	H4/10 1 — Ω — 2	Remove H4/10. Disconnect connector x1 on speaker. Perform measurement between speaker coil and capacitor. Radio (A2): **OFF**	7.5 – 8.5 Ω	H4/10. Values OK: Wiring, Radio (A2)
9.0	**Right rear door speaker (H4/4)**	H4/4 17 — Ω — 25 9 — Ω — 25 9 — Ω — 17	Connector on N40/3 disconnected. Radio (A2): **OFF**	3.5 – 4.5 Ω ∞ Ω ∞ Ω	Wiring, H4/4, Values OK: N40/3.
10.0	**Right rear speaker (H4/8)**	H4/8 11 — Ω — 19 9 — Ω — 19 9 — Ω — 11	Connector on N40/3 disconnected. Radio (A2): **OFF**	1.5 – 2.5 Ω ∞ Ω ∞ Ω	Wiring, H4/8, Values OK: N40/3.

Electrical Test Program – Test

Connections on back of Radio

Figure 1



P82.60-0238-04

A

1 Speed-sensitive volume control
2 Diagnostic connection (as of MY 1998)
3 Muting for telephone system
4 Battery voltage (circuit 30)
5 Automatic antenna control output, FM/AM amplifier voltage supply and control signal for sound system control module
6 Illumination (circuit 58)
7 Switched battery power (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

Electrical Test Program – Test

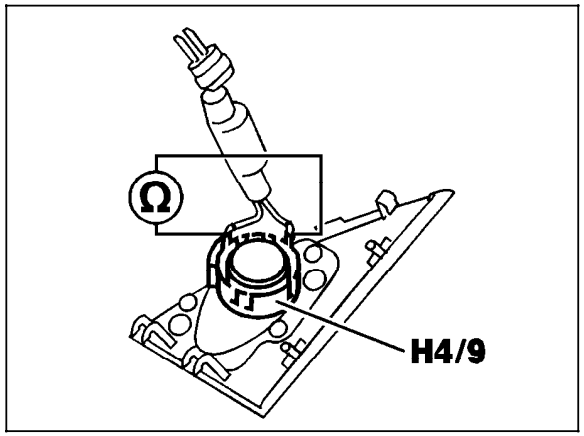


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Figure 2

H4/9 Left front speaker