









3.1 Radio (RD)

All Models with MB-Radio

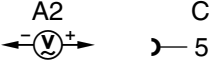
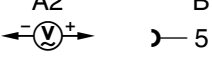
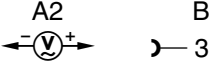
Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	Radio (A2) Voltage supply Terminal 30	8 —  — 4 (A.8) (A.4)	Remove radio (A2). Disconnect connector A (Figure 1).	11 – 14 V	Wiring, ⇒ 1.1.
1.1	Voltage supply Terminal 15	8 —  — 7 (A.8) (A.7)	Remove radio (A2). Disconnect connector A (Figure 1). Ignition: ON	11 – 14 V	Wiring, Fuse E in A2, A2.
2.0	Radio (A2) Voltage supply for CD changer, Terminal 30 Model 129, 140, 170, 202, 208, 210 up to 05/98 Model 124, 163	C —  — 4 6 —   (A.8) (A.7)	Remove radio (A2). Disconnect connector C (Figure 1). Measure on radio connector C.	10 – 14 V	Wiring, Fuse E in A2, ⇒ 2.1
2.1	Voltage supply for CD changer, switched	C —  — 5 6 —   (A.8) (A.7)	Remove radio (A2). Disconnect connector C (Figure 1). Ignition: ON Radio: ON Measure on radio connector C.	10 – 14 V	Wiring, Fuse E in A2, A2

3.1 Radio (RD)

All Models with MB-Radio





Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0	Radio (A2) Voltage supply for CD changer (A2/6) Terminal 30 Model 129, 140, 170, 202, 208 and 210 as of 06/98	C 6 —  — 5	Remove radio (A2) Disconnect connector C Measure on back of connector C.	10 – 14 V	Wiring, Fuse E in A2
4.0	Radio (A2) Left front loudspeaker output	B 6 —  — 5	Remove radio (A2) Disconnect connector B Radio: ON Measure on back of connector B. Turn volume control to maximum.	> 0.2 V	A2 Values OK: Loudspeaker system (LS) – 5.3 23 AD82.62-P-6001 in WIS Note: Additionally test loudspeaker output with a single speaker.
5.0	Radio (A2) Right front loudspeaker output	B 4 —  — 3	Remove radio (A2). Disconnect connector B Radio: ON Measure on back of connector B. Turn volume control to maximum.	> 0.2 V	A2 Values OK: Loudspeaker system (LS) – 5.3 23 AD82.62-P-6001 in WIS Note: Additionally test loudspeaker output with a single speaker.

3.1 Radio (RD)

All Models with MB-Radio

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.0	Radio (A2) Left rear loudspeaker output	B 7 —  A2  B 8	Remove radio (A2). Disconnect connector B Radio: ON Measure on back of connector B. Turn volume control to maximum.	> 0.2 V	A2 Values OK: Loudspeaker system (LS) – 5 23 AD82.62-P-6001 in WIS Note: Additionally test loudspeaker output with a single speaker.
7.0	Radio (A2) Right rear loudspeaker output	B 2 —  A2  B 1	Remove radio (A2). Disconnect connector B Radio: ON Measure on back of connector B. Turn volume control to maximum.	> 0.2 V	A2 Values OK: Loudspeaker system (LS) – 5 23 AD82.62-P-6001 in WIS Note: Additionally test loudspeaker output with a single speaker.

3.1 Radio (RD)

All Models with MB-Radio

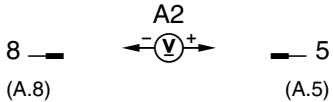
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
8.0		Radio (A2) Radio interference		Radio: ON Set reception frequency (e.g. 87.9) with no station. Engine: OFF Ignition: ON	No interference	Ground connections, Wiring, Electronic components, ⇒ 80.1
8.1		Radio (A2) Radio interference		Radio: ON Set reception frequency (e.g. 87.9) with no station. Engine: at Idle	No interference.	Ground connections, Wiring, Electronic components, Ignition system, Engine control system Values OK: Antenna system (AS) – 4 23 AD82.62-P-6000 in WIS Note: Additionally test, using a seperate antenna.

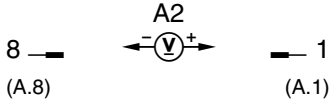
3.1 Radio (RD)

All Models with MB-Radio

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0	Radio (A2) Radio reception		Radio: ON Tune in strong station. Perform test drive.	Radio reception OK.	Ground connections, Wiring, A2, Radio station, Transmitter antenna. Values OK: Antenna system D.M., Information/Communication, Vol.1, – 4 23 AD82.62-P-6000 in WIS Note: Additionally test, using a separate antenna.
10.0	Radio (A2) Activation of automatic antenna (M11) or antenna system (AS), left/right audio power amplifier (N40/3) Model 163: Activation of radio/speakers power amplifier control module (N40/6)	 <p>8 — (A.8) A2 — 5 (A.5)</p>	Remove radio (A2). Do not unplug connector. Radio: ON	9 – 14 V	A2, Values OK: Antenna system (AS) – 4 23 Loudspeaker system (LS) – 5 23, AD82.62-P-6000 in WIS AD82.62-P-6001 in WIS Left/right audio power amplifier (N40/3). Model 163: N40/6

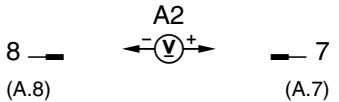
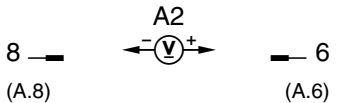
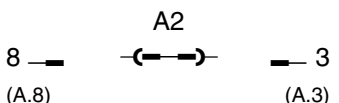
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
11.0		Radio (A2) Speed sensitive volume control Except model 163		Remove radio (A2). Do not unplug connectors. Connect signal generator and set to a voltage amplitude of approx. 2 – 4 V. Radio: ON	The volume increases with increasing frequency between 0 – 300 Hz.	Wiring, Vehicle speed signal, A2 Values OK: AD54.30-P-6000 in WIS Model 129 Instrument cluster (IC) – 1 23 Model 140 Instrument cluster (IC) – 1 23 Model 202, 208, 210 ABS control module (N30), ASR control module (N30/1), ASR/SPS or ETS/SPS control modules (N47-1 or N47-2).

3.1 Radio (RD)

All Models with MB-Radio

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
12.0	Radio (A2) Radio illumination with park lamps off		Remove radio (A2). Do not unplug connectors. Ignition: ON Radio: ON	11 – 14 V ON-button illuminated. ON-button and display illuminated.	Wiring, Fuse E in A2, A2, ⇒ 12.1
12.1	Radio (A2) Radio illumination with park lamps on		Remove radio (A2). Do not unplug connectors. Park lamps: ON Radio: ON	11 – 14 V Switches and buttons illuminated. Switches, buttons and radio display illuminated.	Wiring, Fuse E in A2, A2
13.0	Radio (A2) Radio muting by telephone system		Remove radio (A2). Do not unplug connectors. Radio: ON	Radio is muted, the display window shows: PHONE	Wiring, A2, Telephone system.

Electrical Test Program – Component Locations

Connections on back of Radio

Figure 1

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)

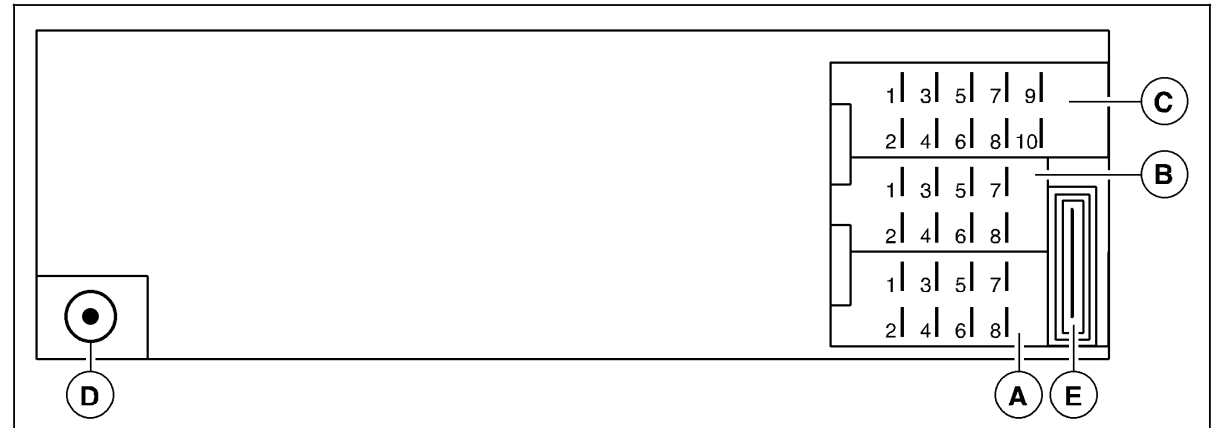
B

- 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



P82.60-0238-04