



Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	High frequency (HF) antenna cable from amplifier (A2/26) to radio (A2) Continuity Short circuit (inner shielding/signal wire)		Radio (A2): OFF Disconnect antenna cable from radio (A2) and left rear antenna amplifier (A2/26), see Figure 1	$< 10 \Omega$ $\infty \Omega$	Wiring.
2.0	Radio (A2) Control voltage	W0 	Disconnect connector at left rear antenna amplifier (A2/26), see Figure 1 Radio (A2): ON	11 – 14 V	Wiring, Radio (RD), 3.1 23 or AD82.60 in WIS
3.0	Left rear antenna amplifier (A2/26) Current draw	A2/26 	Connect ampmeter between (A2/26) and control voltage wire from radio (A2), see Figure 1 Radio (A2): ON	45 – 55 mA	Ground connection for left rear antenna amplifier A2/26, ⇒ 4.0, If nominal value is ok, but poor reception quality continues: Swap A2/26 with known good unit and perform 11 Function Test. If no improvement, replace rear bumper antenna.

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4.0	Ground connection Left rear antenna amplifier (A2/26)		Radio (A2): OFF  Hint: Do not loosen mounting connection on A2/18. Mounting connection also serves as ground.	< 1 Ω	Contact resistance at ground.

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Connection diagram
Model 170

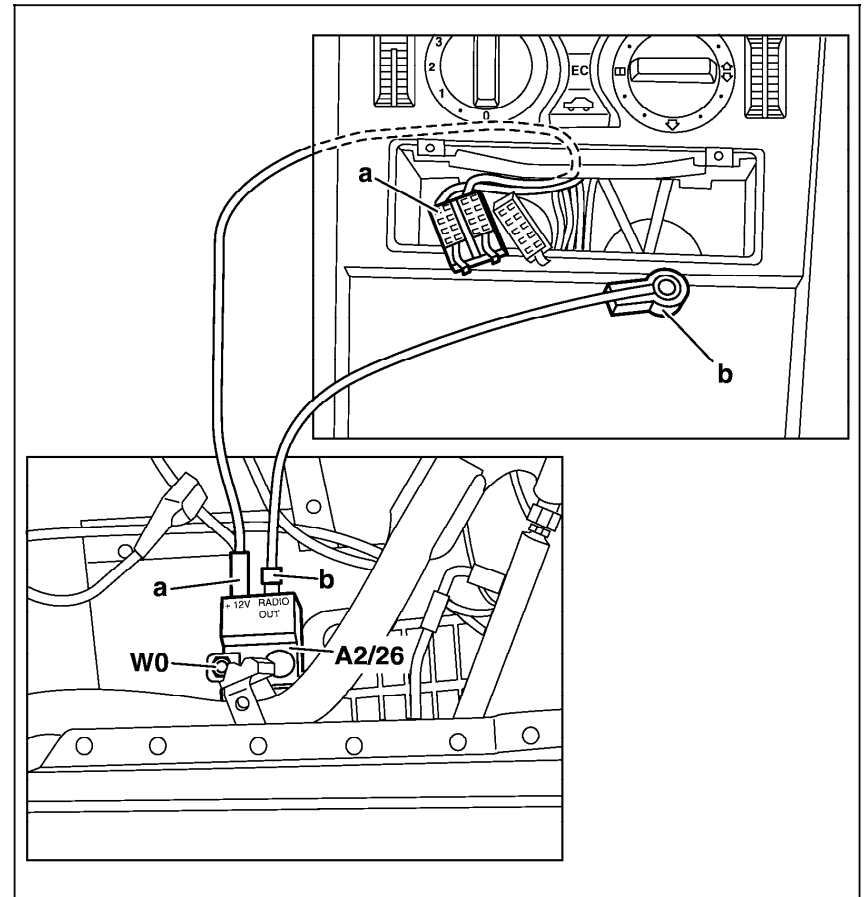


Figure 1

- a Control wire for automatic antenna from radio
- b High frequency cable to radio (A2)
- A2/26 Left rear antenna amplifier
- W0 Ground and mounting point

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