

Electrical Test Program – Antenna Test

If customer complaint is limited to a specific geographic location or condition, explain limitations of CTEL (radio-telephone) to customer.

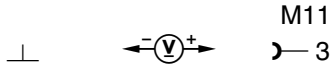
If customer complaint is regarding chronic static or frequently dropped calls, which are not limited to a specific geographic area, contact carrier.

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	Antenna Ground		Ignition: OFF Radio: OFF CTEL: OFF Known good service area. Temporarily disconnect <i>Radio and Telefon</i> connection coax cables from antenna splitter (A28/1).	< 0.3 Ω	Loosen lower antenna mounting bracket. Tighten mast tube until resistance is < 0.3 Ω. Retighten lower bracket. Reconnect coax cables.
1.1	Cable		Disconnect antenna coax cable from A28/1 and TR (A35). Replace with known good cable.	No Serv indicator does not come on. Reception and quality improve.	Indicator stays ON: ⇒ 1.2. Indicator goes OFF: Replace antenna coax cable. Reception does not improve: ⇒ 1.2 Reception improves: Replace antenna coax cable.

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1.2	Cable		Disconnect antenna coax cable from A35. Connect magnetic mont test antenna to A35. Place test antenna on trunk lid with lid closed.		Indicator stays ON: contact arrier. Indicator goes OFF: Replace antenna.
2.0	Antenna Radio control		Ignition: ON Radio: Cycle ON/OFF CTEL: OFF	Antenna extends and retracts with cycling of radio.	⇒ 2.1
2.1	Radio control		Disconnect antenna control wire from junction box (X39/11) and antenna. Radio: Cycle ON/OFF CTEL: OFF	Antenna extends and retracts with cycling of radio.	Nominal value OK: ⇒ 2.3. Nominal value not okay: see DM, Vol. 3, Drivetrain, Body & Accessories Electrical, Chassis & Body ⇒ EB-02.06.
2.2	CTEL control		CTEL: Cycle ON/OFF Radio: OFF	Antenna extends and retracts with cycling of CTCL.	⇒ 2.3

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2.3	CTEL control		CTEL: ON CTEL: OFF	11 – 14 V < 1 V	Nominal values OK: Replace antenna. Nominal values not OK: Replace X39/11.