







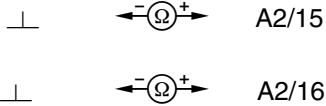

Electrical Test Program – Test

| ⇒ | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|-----|--|---|--|---------------------------------|--|
| 1.0 | Noise suppression capacitor Function | | Ignition: OFF Radio: ON Tune-in a weak AM radio station. Engine: at Idle | No change in reception quality. | Replace noise suppression capacitor on right C-pillar. |
| 2.0 | RF antenna cable to radio (A2) Continuity Short circuit (inner shielding) |  | Radio: OFF Disconnect antenna cable (b) between A2 and A2/16. | < 10 Ω ∞ Ω | Wiring. |
| 3.0 | RF antenna cable to bumper FM antenna amplifier (A2/15) Continuity Short circuit (inner shielding) |  | Radio: OFF Disconnect antenna cable (a) between A2/15 and A2/16. | < 10 Ω ∞ Ω | Wiring. |
| 4.0 | Radio (A2) Voltage supply | W0  A2/16 └─┘ b | Radio: OFF Disconnect antenna cable (a) from A2/16. Radio : ON | 11 – 14 V | Wiring, A2 (see 3.1 23). |

Electrical Test Program – Test

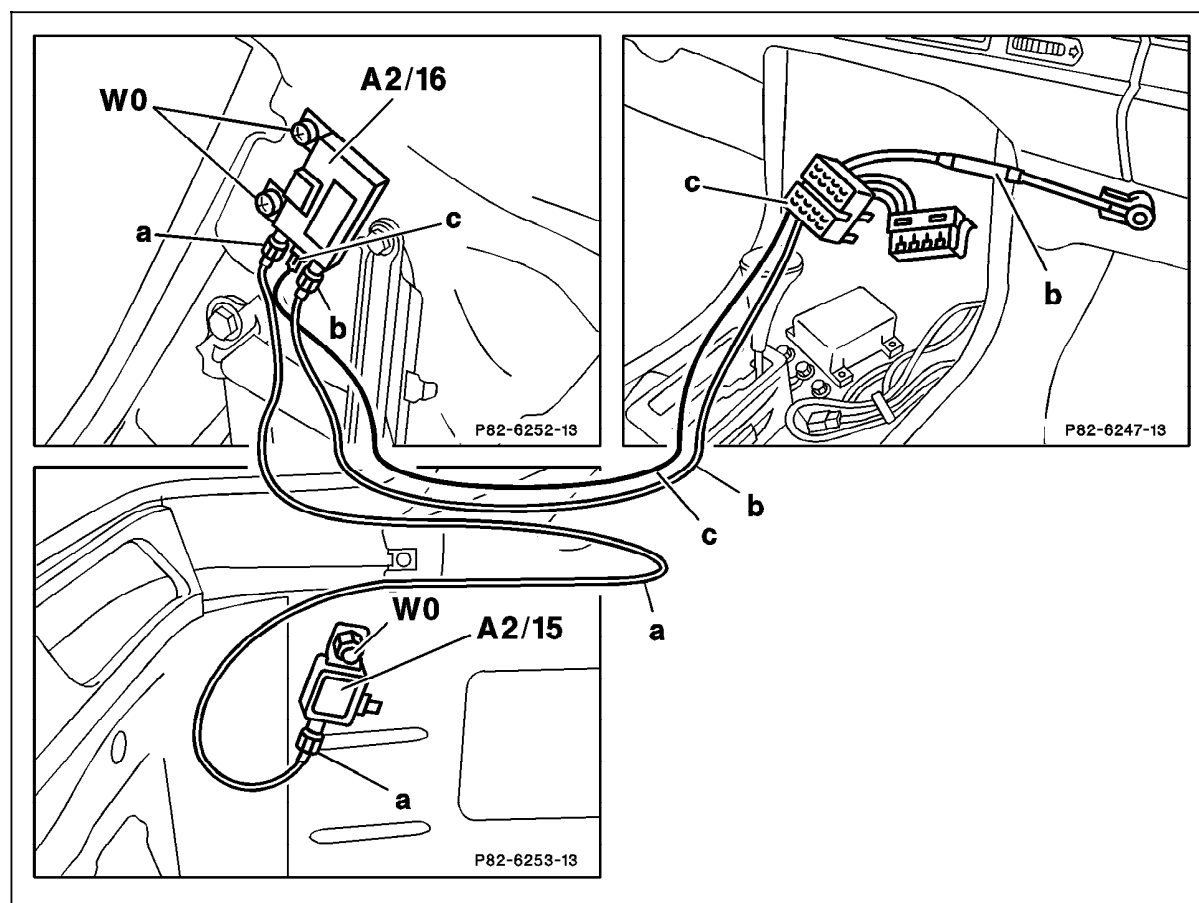
| ⇒ | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|-----|---|---|--|---------------|--|
| 5.0 | Rear window AM antenna amplifier (A2/16) and bumper FM antenna amplifier (A2/15) Total current draw | A2/16  A2 | Connect ampmeter between A2/16 and control wire (c) from radio. Radio: ON | 52 - 72 mA | ⇒5.1 If nominal value is okay, but reception quality is poor: AM band Replace A2/16 and perform 11. If no improvement, replace rear window antenna. FM band ⇒7.0 |
| 5.1 | Rear window AM antenna amplifier (A2/16) Current draw | A2/16  A2 | Connect ampmeter between A2/16 and control wire (c) from radio. Disconnect antenna cable (a) from A2/16. Radio: ON | 15 - 25 mA | ⇒6.0, A2/16, If nominal value is okay: ⇒5.2 |
| 5.2 | Bumper FM antenna amplifier (A2/15) Current draw | A2/16  A2/15 | Connect ampmeter between A2/16 and antenna cable (a) from A2/15. Radio: ON Note: Voltage is supplied via the inner cable of RF cable. | 37 - 47 mA | ⇒6.0, A2/15 |

Electrical Test Program – Test

| ⇒ | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|-----|--|---|---|---------------|---|
| 6.0 | Ground |  A2/15 A2/16 | Radio : OFF Note: Do not loosen mounting connection on A2/15 or A2/16. Mounting connection also serves as ground. | < 1 Ω | Contact resistance at ground. |
| 7.0 | Antenna cable Bumper antenna |  | Measure between connection on bumper (at solder connection) and pin on A2/15. | < 1 Ω | If nominal value is okay, replace A2/15 and perform 11. If no improvement, replace rear bumper antenna. |

Electrical Test Program – Test

Connection diagram



P82-7044-57