

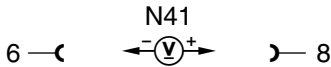


Electrical Test Program – Test Model

⇒ 	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	Trip computer control module (N41) Voltage supply Circuit 30		Ignition: OFF Remove Trip computer control module (N41) and disconnect 8-pole connector	11 – 14 V	Wiring, Fuse 13 in fuse and relay box (F1) Values O.K.: ⇒ 1.1
1.1	Voltage supply Circuit 15R, fused		Disconnect 8-pole connector from N41 Starter switch (S2) in position "1" or "2"	11 – 14 V	Wiring, Fuse 10 in fuse and relay box (F1), Values O.K.: ⇒ 1.2

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0	CAN bus data lines resistance		Ignition: OFF Disconnect 8-pole connector from N41 (Instrument cluster (A1) and engine control module (N3/10) are connected to CAN)	around 60 Ω (Control modules N3/10 and A1 contain 120 Ω resistance respectively for CAN data bus termination. Parallel connection results in 60 Ω.	CAN: -//-, Γ Γ - N3/10 A1 Values around 120 Ω: A1 AD54.30-P-6000-5GH in WIS N3/10 (check CAN input resistance) Values O.K.: ⇒ 2.1
2.1	CAN bus data lines Low-Voltage data line		Ignition: ON 8-pole connector disconnected from N41	around 2.3 V	A1 N3/10 Values O.K.: ⇒ 2.2
2.2	CAN bus data lines High-voltage data line		Ignition: ON 8-pole connector disconnected from N41	around 2.6 V	A1 N3/10

Electrical Test Program – Test

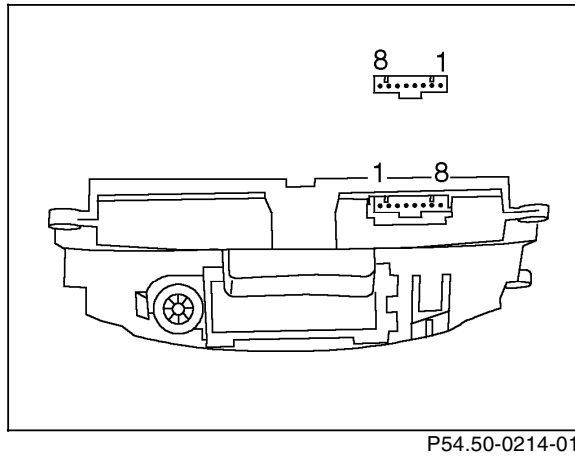


Figure 1

- | | |
|---|------------------------------------|
| 1 | ATA interface |
| 2 | - |
| 3 | CAN H |
| 4 | CAN L |
| 5 | - |
| 6 | Ground (circuit 31) |
| 7 | Voltage supply (circuit 30) |
| 8 | Voltage supply (circuit 15R fused) |