









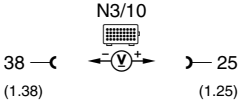
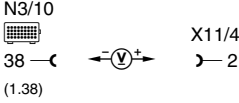
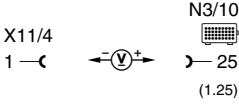




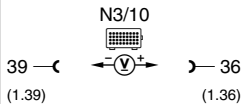

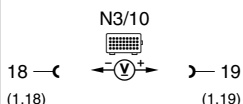
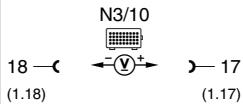
Electrical Test Program – Electronic Accelerator (EA) Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Engine control module (N3/10) Voltage supply Circuit 30	<p>N3/10 </p> <p>26 —(—  —) 35 (1.26) (1.35)</p>	Ignition: ON	11 – 14 V	⇒ 1.1
1.1		Ground wire	<p>N3/10 </p> <p>26 —(—  —) X11/4 (1.26) 2</p> <p>39 —(—  —) 2 (1.39)</p>	Ignition: ON	11 – 14 V	Wiring, Model 129: Ground (W27), module box bracket. Model 140: Output ground (W15), right footwell. Model 210: Electronic ground (W16/6), right component compartment, ⇒ 1.2
1.2		Voltage supply Circuit 30	<p>X11/4 1 —(—  —) N3/10 (1.35) 35</p>	Ignition: ON	11 – 14 V	Wiring, Model 129, 140: Base module (N16/1) or fuse on base module. Model 210: Relay module (K40).


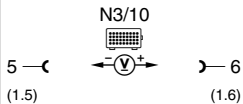
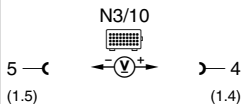
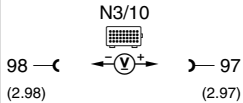
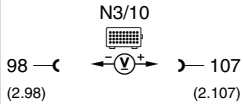
Electrical Test Program – Electronic Accelerator (EA) Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0		Engine control module (N3/10) Voltage supply Circuit 87M		Ignition: ON	11 – 14 V	⇒ 2.1
2.1		Electronic ground		Ignition: ON	11 – 14 V	Wiring, Model 129, 140: Electronic ground (W15), right footwell. Model 210: Electronic ground (W16/6), right component compartment, ⇒ 2.2
2.2		Voltage supply Circuit 87M		Ignition: ON	11 – 14 V	Wiring, Model 129, 140: Base module (N16/1) or fuse on base module. Model 210: Relay module (K40).



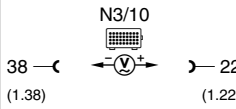
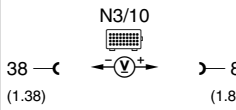
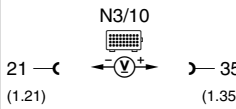
Electrical Test Program – Electronic Accelerator (EA) Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0		Engine control module (N3/10) Voltage supply Circuit 87E	 <p>N3/10</p> <p>39 — (1.39) — 36 (1.36)</p>	Ignition: ON	11 – 14 V	Wiring, Model 129, 140: Base module (N16/1) or fuse on base module. Model 210: Relay module (K40).
4.0		Pedal value sensor (B37) Signal Nominal value potentiometer 1	 <p>N3/10</p> <p>18 — (1.18) — 19 (1.19)</p>	Ignition: ON Accelerator pedal position: CTP WOT	0.2 – 0.5 V 4.3 – 4.8 V	⇒ 4.1, Wiring, B37
4.1		Voltage supply Nominal value potentiometer 1	 <p>N3/10</p> <p>18 — (1.18) — 17 (1.17)</p>	Ignition: ON	4.75 – 5.25 V	N3/10

Electrical Test Program – Electronic Accelerator (EA) Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	PI 542 PO 507	Pedal value sensor (B37) Signal Nominal value potentiometer 2		Ignition: ON Accelerator pedal position: CTP WOT	0.1 – 0.4 V 2.1 – 2.5 V	Wiring, ⇒ 5.1, B37
5.1		Voltage supply Nominal value potentiometer 2		Ignition: ON	2.25 – 2.75 V	N3/10
6.0	PO 507 PO 120 PO 186	EA/CC/ISC actuator (M16/1) Signal Actual value potentiometer 1 Actual value potentiometer 2	 	Ignition: ON Accelerator pedal position: CTP WOT Accelerator pedal position: CTP WOT	4.0 – 4.6 V < CTP value 0.3 – 0.9 V > CTP value	Wiring, ⇒ 6.1, M16/1

Electrical Test Program – Electronic Accelerator (EA) Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0		Left rear axle VSS sensor (L6/3)		Raise rear of vehicle. Ignition: ON Spin left rear wheel by hand.	4 – 8 V	Wiring, ASR or ESP see DM, Chassis & Drivetrain, Vol. 3, section 9 (ASR, ETS, ESP).
10.0		(only until 05/96, as of 06/96 via CAN) A/C compressor signal		Engine: at Idle Turn A/C system: ON Move temperature selector wheel to MIN, blower: ON .	< 1.0 V 11 – 14 V	Wiring, A/C pushbutton control module (N22).
11.0		EPC MIL (A1e43) Activation		Ignition: ON Engine: at Idle	11 – 14 V < 1 V	Wiring, Malfunction in actuator or pedal value sensor, N3/10