

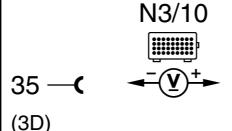
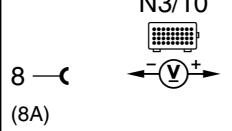
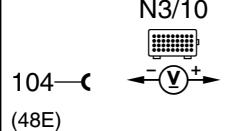
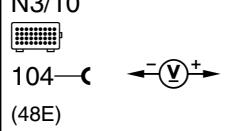
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
1.0	P0 560	Engine control module (ME-SFI) (N3/10) Voltage supply Circuit 30	<p style="text-align: center;">N3/10</p>	Ignition: ON	11 – 14 V	⇒ 1.1 – 1.2
1.1		Ground wire	<p style="text-align: center;">N3/10</p>	Ignition: ON	11 – 14 V	Wiring, Model 170 and 202: Output ground (W16/6), right component compartment.

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
1.2		Voltage supply Circuit 30	X11/4 N3/10 1 —<  12 (4B)	Ignition: ON	11 – 14 V	Wiring, Model 170: Relay module (K40). Model 202: Passenger-side fuse and relay module box (K40/4).
2.0		Engine control module (ME-SFI) (N3/10) Voltage supply Circuit 87	8 —<  2 (8A) (2A)	Ignition: ON	11 – 14 V	⇒ 2.1 – 2.2
2.1		Electronics ground	8 —<  X11/4 (8A) 2	Ignition: ON	11 – 14 V	Wiring, Model 170 and 202: Output ground (W16/6), right component compartment.
2.2		Voltage supply Circuit 87	X11/4 N3/10 1 —<  2 (4B) (2A)	Ignition: ON Ignition: OFF	11 – 14 V < 1 V	Wiring, Model 170: Relay module (K40). Model 202: Passenger-side fuse and relay module box (K40/4).

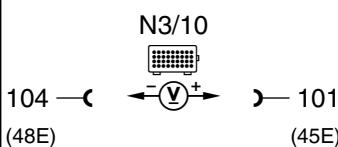
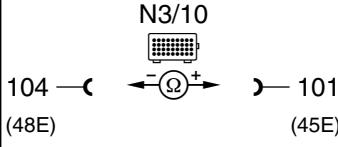
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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
3.0		Starter lock-out relay module (N65k2) or K40k2 Model 170, 202 as of 06/97 Activation	 N3/10	Engine coolant temperature >20°C Ignition/starter switch: Turn to starter contact briefly.	11 – 14 V or if engine does not start, for approx. 5 seconds	⇒ 3.1 Engine control module (N3/10)
3.1		Starter signal Circuit 50	 N3/10	Motor: Start	11 – 14 V, while cranking.	Wiring, Ignition switch.
4.0		Hot film MAF sensor (B2/5) Hot film signal	 N3/10	Ignition: ON Engine: at Idle Engine coolant temperature >70°C	0.9 – 1.1 V 1.3 – 1.7 V Increasing rpm = increasing voltage.	Wiring, ⇒ 4.1 – 4.3 Air intake system leak, B2/5.
4.1		Hot film MAF sensor (B2/5) Voltage supply 5 V	 N3/10	Disconnect MAF sensor (B2/5) connector and measure directly on socket 4 (br/y). Ignition: ON	4.7 – 5.2 V	Wiring, N3/10

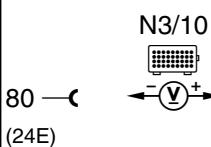
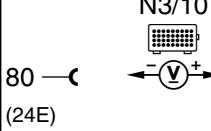
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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
4.2		Ground wire for hot film MAF sensor (B2/5)	B2/5 3 ——  102 (46E) N3/10	Disconnect MAF sensor (B2/5) connector and measure directly on socket 3 (br). Ignition: ON	4.7 – 5.2 V	Wiring.
4.3		Hot film MAF sensor (B2/5) Voltage supply 12 V	N3/10  B2/5 104 —— 2 (48E)	Disconnect MAF sensor (B2/5) connector and connect plus of voltmeter to socket 2 (rd/bu). Ignition: ON	11 – 14 V	Wiring, Model 170: Relay module (K40) Model 202: Passenger-side fuse and relay module box (K40/4).

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
5.0		IAT sensor in hot film MAF sensor (B2/5) Voltage	 104 —  — 101 (48E) (45E)	Ignition: ON	°C V 10 3.1 20 2.7 30 2.2 40 1.8 50 1.4 60 1.1 ± 5%	⇒ 5.1 N3/10
5.1		IAT sensor Resistance	 104 —  — 101 (48E) (45E)	Ignition: OFF Disconnect connector E on engine control module (N3/10).	°C Ω 10 3600 20 2420 30 1660 40 1170 50 850 60 600 ± 5%	Wiring, B2/5

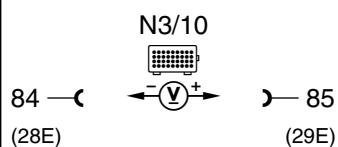
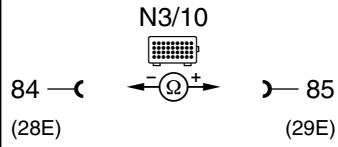
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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
6.0	P0 105	Pressure sensor (B28) Sensor signal (only ))		<p>Connect vacuum tester to pressure sensor (B28) using Y-fitting (Figure 1). Ignition: ON</p> <p>Engine: at Idle</p>	<p>> 3.5 V</p> <p>< 2 V and vacuum climbs to > 500 mbar.</p>	<p>⇒ 6.1, Vacuum line, Wiring, B28</p>
6.1		Pressure sensor (B28) Voltage supply (only ))		Ignition: ON	4.7 – 5.3 V	N3/10

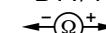
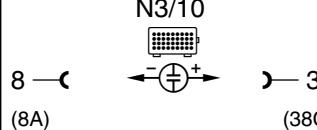
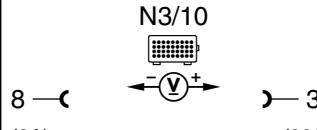
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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
7.0		FP relay module Model 170 in relay module (K40) Model 202: Passenger-side fuse and relay module (K40/4) Activation	 	<p>i On Model 202 the activation of the fuel pump takes place via the passenger-side fuse and relay module box (K40/4).</p> <p>Ignition: ON i The activation of the FP occurs only once after ignition "ON". For the next activation, the engine must have run briefly.</p> <p>Engine: Start</p>	11 – 14 V for approx. 1 sec. 11 – 14 V during cranking and while engine runs.	Fuse, Wiring, K40, K40/4, N3/10

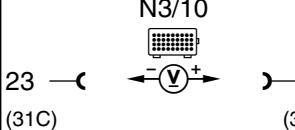
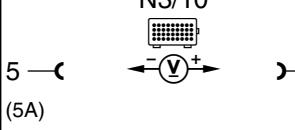
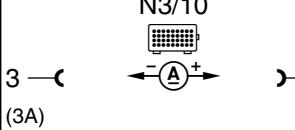
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
8.0		ECT sensor (B11/4) Voltage		Ignition: ON	$^{\circ}\text{C}$ V 20 3.4 30 2.9 40 2.4 50 1.9 60 1.5 70 1.2 80 0.9 90 0.7 100 0.5 ±5 %	⇒ 8.1, N3/10
8.1		Resistance (B11/4)		Ignition: OFF Disconnect connector E on engine control module (N3/10).	$^{\circ}\text{C}$ Ω 20 3090 30 2000 40 1330 50 900 60 630 70 440 80 320 90 230 100 170 ±5 %	Wiring, ⇒ 8.2

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
8.2		ECT sensor (B11/4) Resistance	B11/4 1  2	Disconnect connector on ECT sensor (B11/4).	$\text{ }^{\circ}\text{C}$ Ω 20 3090 30 2000 40 1330 50 900 60 630 70 440 80 320 90 230 100 170 ±5 %	B11/4
9.0		Engine control module (N3/10) TN-signal output	 8 —(8A)  30 (38C)	Test with oscilloscope. Engine: Start or Engine: at Idle	Signal, see Figure 2.	Wiring, N3/10
			 8 —(8A)  30 (38C)	Test with multimeter only if oscilloscope is not available.	7.5 – 9.0 V	

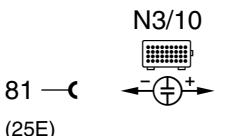
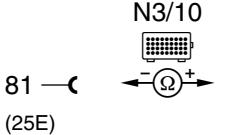
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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
10.0	 	O2S 1 (before TWC) (G3/2) O2S signal	N3/10 	If ECT > 80 ° C, run engine at idle for at least two minutes.	fluctuates from – 0.2 V to + 1.0 V, by more than 0.3 V	Wiring, ⇒ 11.0 G3/2
11.0		O2S 1 (before TWC) (G3/2) O2S heater activation O2S 1 (G3/2) Current draw	N3/10  N3/10 	If ECT > 80 ° C, run engine at idle for at least two minutes. Ignition: ON	11 – 14 V 0.6 – 3.4 A	Wiring, G3/2 N3/10

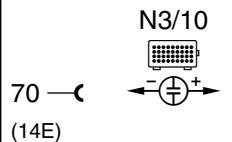
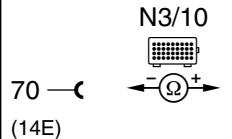
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
12.0		O2S 2 (after TWC) (G3/1) O2S signal (only USA)	 N3/10  39 —(7D) ←—(V)—→ 40 (8D)	If ECT > 80° C, Engine: Start Raise and hold engine speed at 2000 – 3000 rpm for approx. 2 minutes. Engine at idle:  N3/10  3 —(3A) ←—(—)—→ 20 (28C)	Within one minute, the value range of 450 mV to 500 mV must be either exceed or be below value range given.	Wiring, ⇒ 13.0, G3/1, N3/10
			 N3/10  3 —(3A) ←—(—)—→ 66 (10E)	Bridge sockets on socket box.	AIR pump runs. Voltage changes to < 40 mV within 60 seconds.	
13.0		O2S 2 (after TWC) (G3/1) O2S heater activation (only USA)	 N3/10  9 —(1B) ←—(V)—→ 2 (2A)	Engine: at Idle If ECT > 80° C, run engine at idle for at least 2 minutes.	11 – 14 V or voltage fluctuates between 1 – 14 V	Wiring, G3/1, N3/10
		O2S 2 (G3/1) Current draw	 N3/10  3 —(3A) ←—(A)—→ 9 (1B)	Ignition: ON	0.6 – 3.4 A	

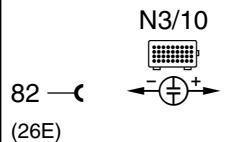
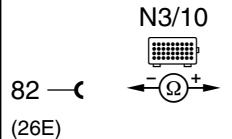
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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
14.0		Injector (Y62y1) Activation and injection time Resistance (Y62y1)	 	ECT approx. 20° C at start: ECT approx. 80° C at idle: accelerate briefly: Ignition: OFF	Injection time: approx. 8 ms approx. 2.7 – 4 ms approx. 14 ms (signal see Figures 3 and 4). 14 – 17 Ω	Fuse, Wiring, Y62y1, N3/10, ECT sensor (B11/4), IAT sensor in hot film MAF sensor (B2/5), O2S 1 (G3/2).

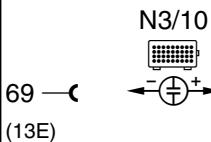
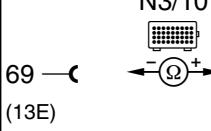
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
15.0		Injector (Y62y2) Activation and injection time Resistance (Y62y2)	 	ECT approx. 20° C at start: ECT approx. 80° C at idle: accelerate briefly: Ignition: OFF	Injection time: approx. 8 ms approx. 2.7 – 4 ms approx. 14 ms (signals see Figures 3 and 4). 14 – 17 Ω	Fuse, Wiring, Y62y2, N3/10, ECT sensor (B11/4), IAT sensor in hot film MAF sensor (B2/5), O2S 1 (G3/2).

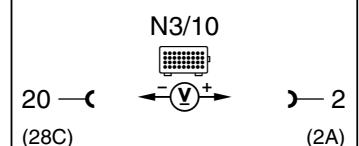
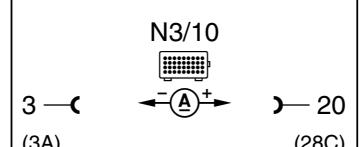
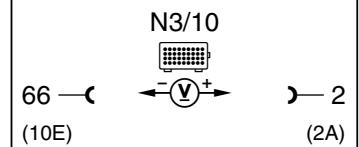
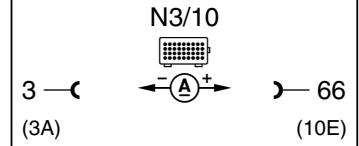
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
16.0		Injector (Y62y3) Activation and injection time Resistance (Y62y3)	 	ECT approx. 20° C at start: ECT approx. 80° C at idle: accelerate briefly: Ignition: OFF	Injection time: approx. 8 ms approx. 2.7 – 4 ms approx. 14 ms (signals see Figures 3 and 4). 14 – 17 Ω	Fuse, Wiring, Y62y3, N3/10, ECT sensor (B11/4), IAT sensor in hot film MAF sensor (B2/5), O2S 1 (G3/2).

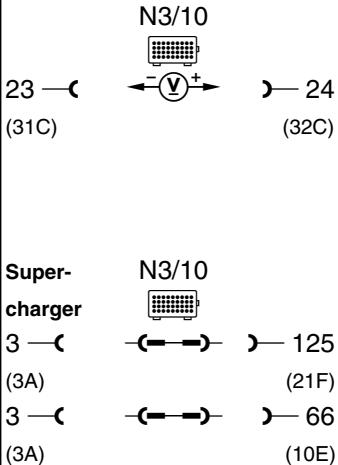
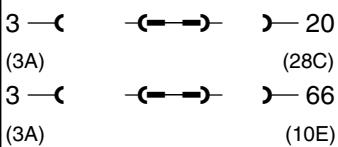
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
17.0		Injector (Y62y4) Activation and injection time Resistance (Y62y4)	 	ECT approx. 20° C at start: ECT approx. 80° C at idle: accelerate briefly: Ignition: OFF	Injection time: approx. 8 ms approx. 2.7 – 4 ms approx. 14 ms (signal see Figures 3 and 4). 14 – 17 Ω	Wiring, Y62y4, N3/10, ECT sensor (B11/4), IAT sensor in hot film MAF sensor (B2/5), O2S 1 (G3/2).

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
18.0	P0 410 P1 453	AIR pump relay in passenger-side fuse and relay module box (K40/4), Model 202, without supercharger (only USA) Activation	 <p>20 —<  +—> 2 (28C) (2A)</p>	Disconnect ECT sensor (B11/4) connector. Simulate 2.5 kΩ resistance at sockets 1 and 4 with resistance substitution unit. Engine: at Idle	11 – 14 V for approx. two minutes and AIR pump runs.	Wiring, AIR pump fuse, K40/4, N3/10
		Current draw (K40/4)	 <p>3 —<  +—> 20 (3A) (28C)</p>	Ignition: ON	0.1 – 0.3 A	
19.0	P0 410 P1 420	AIR pump switchover valve (Y32) (only USA) Activation	 <p>66 —<  +—> 2 (10E) (2A)</p>	Disconnect ECT sensor (B11/4) connector. Simulate 2.5 kΩ resistance at sockets 1 and 4 with resistance substitution unit. Engine: at Idle	11 – 14 V for approx. two minutes and AIR pump runs.	Fuse, Wiring, Y32, N3/10
		Current draw (Y32)	 <p>3 —<  +—> 66 (3A) (10E)</p>	Ignition: ON	0.4 – 0.6 A	

Electrical Test Program – Sequential Multiport Fuel Injection System Test

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20.0		AIR system (logic chain) (only  	<p>The O2S 1 signal before TWC is being measured.</p>  	If ETC > 80°C, run engine at idle for at least 2 minutes. Bridge sockets on socket box.	The O2S voltage oscillates in the area of -0.2 V and +1.0 V	Y32 binding, AIR combi valve, AIR pump or supercharger no output.

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
21.0	PI 400 EGR switchover valve (Y27) Model 202, without supercharger, engine 111.974 (USA) Activation Y27 Current draw	61 — N3/10 (5E) — 2 (2A) 3 — N3/10 (3A) — 61 (5E)	Engine: at Idle ECT > 60 °C Accelerate briefly Ignition: ON	11 – 14 V 0.3 – 0.5 A	Wiring, Y27, N3/10, ⇒ 22.0 – 23.0
22.0	PO 400 EGR switchover valve (Y27) Model 202, without supercharger, engine 111.974 (USA) Vacuum control		i Test connection: Connect vacuum tester to EGR valve. Engine: Start and run at > 3000 rpm	> 400 mbar	Vacuum line, EGR valve, Y27

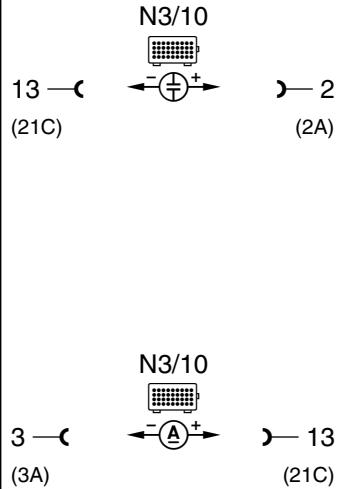
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23.0	P0 400	EGR switchover valve (Y27) Model 202, without supercharger, engine 111.974 (USA) Mechanical test		 Test connection: engine: at Idle Apply 500 mbar vacuum to EGR valve. Engine: OFF Apply 500 mbar vacuum to EGR valve and pull off vacuum hose.	Engine runs uneven. EGR valve closes audibly.	EGR valve

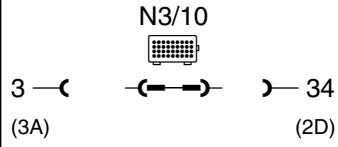
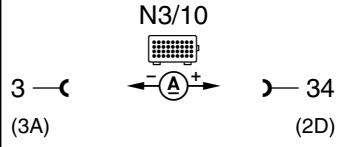
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24.0	P1 525	Adjustable camshaft timing solenoid (Y49) Current draw	Y49 1 —(—)  2	Test connection note: Connect test cable (102 589 04 63 00) to solenoid. Engine: at idle ECT > 70°C Increase engine speed to approx. 2000 rpm.	1.0 – 1.5 A	⇒ 24.1, ⇒ 25.0, N3/10
24.1		Resistance Y49	N3/10 60 —(—)  2	Ignition: OFF	7 – 12 Ω	Wiring, Y49
25.0	P1 519	Adjustable camshaft timing solenoid (Y49) Mechanical function	N3/10 60 —(—)  3	Engine: at Idle Bridge sockets on socket box for a maximum of 10 seconds.	Engine runs rough or stalls	Check function of camshaft adjuster (see SMS, Engine 104, Job No. 05-2160).

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⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
26.0	P0440 P0441 P0443	Purge control valve (Y58/1) Activation		Engine: at Idle and at operating temperature.	After approx. 1 minute, purge control valve (Y58/1) must noticeably cycle (Fig. 5 to 6) Signal see Figure 7.	Fuse, Wiring, Y58/1, ⇒ 27.0, N3/10
		Current draw (Y58/1)		Ignition: ON	0.3 – 0.5 A	
27.0	P0440 P0441	Purge control valve (Y58/1) Vacuum control		Connect vacuum tester to purge control valve (Y58/1) between purge line to charcoal canister (Figure 5 to 6). Engine at operating temperature and at idle.	After approx. 1 minute, > 50 mbar and needle oscillates, Y58/1 must cycle.	Vacuum line, Y58/1

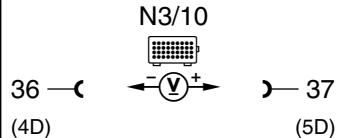
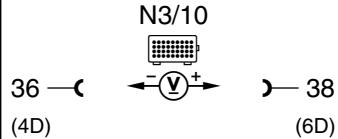
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
28.0	P0440 P0442 P0446 P0455	Purge system System leaks Model 170 (only USA) Model 202 (only USA) as of 09/97 Activated charcoal canister shut-off valve (Y58/4) Activate		Disconnect purge line to charcoal canister on purge control valve (Y58/1). Connect vacuum tester to purge line (Figure 5 and 6). Ignition: ON Apply approx. 25 mbar of vacuum.	After approx. 1 minute, < 5 mbar vacuum loss.	Fuel tank cap, Purge line to charcoal canister, Purge line from charcoal canister to Y58/4, Charcoal canister, Y58/4, Y58/1, Fuel tank pressure sensor (B4/3). Charcoal canister, Y58/4, Purge control valve (Y58/1).
29.0	P0446	Activated charcoal canister shut-off valve (Y58/4) Model 170 (only USA) Model 202 (only USA) as of 09/97 Current draw		Ignition: ON	0.5 – 0.9 A	Fuse, Wiring, Y58/4

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
30.0	P0 446 P0 450 P0 455	Fuel tank pressure sensor (B4/3) Model 170 (only USA) Model 202 (only USA) as of 09/97 Sender signal Activated charcoal canister shut-off valve (Y58/4) Activate	 	Disconnect purge line to charcoal canister on purge control valve (Y58/1). Connect vacuum tester to purge line (Figure 5 and 6). Ignition: ON Apply approx. 25 mbar of vacuum.	> 2.3 V < 2.3 V	⇒ 30.1, Wiring, Vacuum line, Charcoal canister clogged, B4/3
30.1		Fuel tank pressure sensor (B4/3) (only USA) Voltage supply		Ignition: ON	4.7 – 5.3 V	N3/10

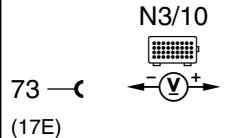
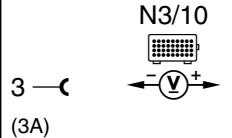
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
31.0		Purge monitoring pressure sensor (B4/4) Model 202 (only USA) up to 08/97 Sender signal	 36 —> N3/10 (4D)  37 (5D)	Disconnect vacuum line at purge monitoring pressure sensor (B4/4). Connect vacuum tester to purge monitoring pressure sensor (Figure 8). Ignition: ON Apply approx. 300 mbar of vacuum.	 > 3.5 V < 3 V	⇒ 31.1, Wiring, B4/4
31.1		Purge monitoring pressure sensor (B4/4) Voltage supply	 36 —> N3/10 (4D)  38 (6D)	Ignition: ON	4.7 – 5.3 V	N3/10

Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
32.0	P0 600 P0 811 P1 570 P1 603 P1 747	CAN data bus	43 —  N3/10 (11D) — 44 (12D)	Ignition: OFF	55 – 65 Ω	⇒ 32.1 – 32.2 Data line.
32.1		CAN element in: Electronic ignition lock control module (N73) or DAS control module (N54/1) Resistance	43 —  N3/10 (11D) — 44 (12D)	Ignition: OFF Disconnect connector D from engine control module (N3/10).	115 – 125 Ω	Wiring, Vehicles without EIS: DAS control module (N54/1). Vehicles with EIS: Electronic ignition lock control module (N73).
32.2		CAN element in: Engine control module (N3/10) Resistance	43 —  N3/10 (11D) — 44 (12D)	Ignition: OFF Disconnect connector D from test cable.	115 – 125 Ω	N3/10

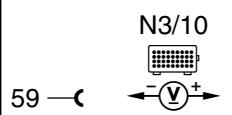
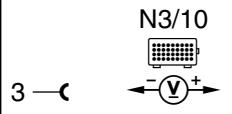
Electrical Test Program – Sequential Multiport Fuel Injection System Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
33.0		Oil level switch (S43)	 73 —> N3/10 (17E) ←— V + —→ 2 (2A)	Ignition: ON Oil level okay. Oil level low.	11 – 14 V < 1 V	Wiring, S43
34.0		Diagnosis line Activation	 3 —> N3/10 (3A) ←— V + —→ 31 (39C)	Ignition: ON	11 – 14 V	Wiring, N3/10

Electrical Test Program – Sequential Multiport Fuel Injection System Test

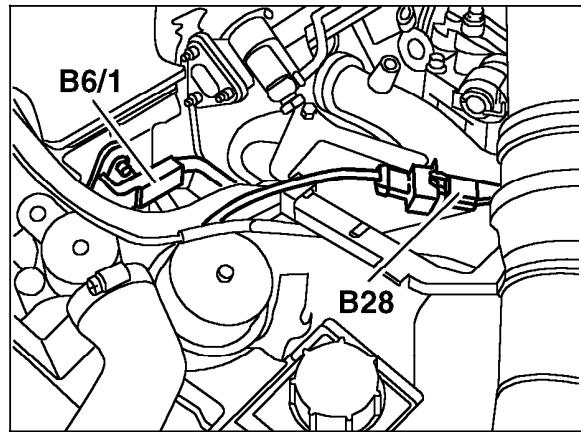
⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
35.0	P0 805 P1 235	Supercharger function		Connect pressure tester to intake manifold. Drive vehicle on dynamometer or road in transm. selector lever in range 3 or 3rd gear if manual trans. with full load at approx. 3500 rpm.	> 280 mbar pressure	⇒ 36.0 – 37.0 Air flap/air filter actuator (M16/7) binding, Charge air line plugged, Supercharger defective.
36.0	P0 806 P1 236	Magnetic supercharger clutch (Y2/1) Activation Supercharger only Magnetic supercharger clutch (Y2/1) Current draw		Engine: At Idle; Rapidly depress accelerator pedal (WOT): Ignition: ON	11 – 14 V, as long as the supercharger is engaged. 2.6 – 4.5 A	Wiring, Y2/1, N3/10

Electrical Test Program – Test

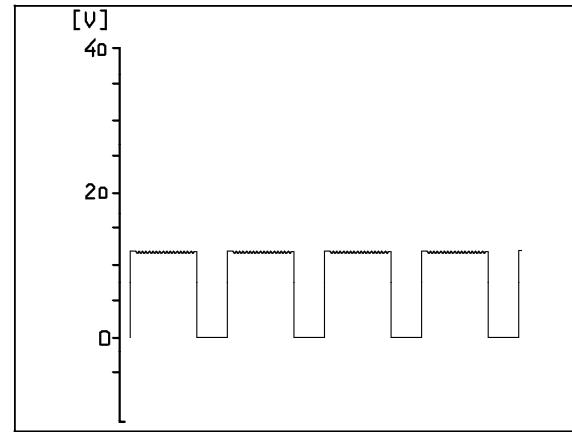
⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy
37.0	PO 803 PO 243	Air flap/air filter actuator (M16/7) Activation Supercharger only	N3/10 	Ignition: ON Engine: At Idle; Rapidly depress accelerator pedal (WOT):	1.0 – 1.4 V 2.0 – 12.0 V	Wiring, M16/7, N3/10
38.0	PO 801 PI 181	Engine/climate control electric cooling fan control module (N76) Activation	N3/10 	Engine: at Idle ECT < 70 °C A/C system: ON ECT > 85 °C	1 – 1.9 V and fan is stopped. 2 – 6 V and fan runs. Between 2.5 – 12.5 V and fan runs according to activation.	Wiring, N76, N3/10

Electrical Test Program – Test

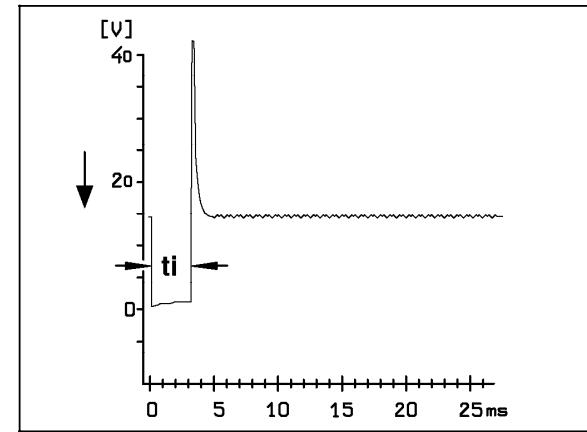
⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/remedy	
39.0	PI 551	A/C System: A/C compressor shutoff Activation With Tempmatic A/C (only 	8 —< (8A)	N3/10  —> 59 (3E)	Engine: At Idle; Rapidly depress accelerator pedal (WOT): (>2,000 rpm)	11 – 14 V, as long as the A/C compressor is disengaged.	Wiring, Wrong A/C control module installed for A/C system. N3/10
40.0		Model 170 (only ) with manual transmission Clutch pedal engage/release switch (S40/5)	3 —< (3A)	N3/10  —> 32 (40C)	Starter: Engage Press clutch pedal: Release clutch pedal:	11 – 14 V, and starter motor rotates. < 1.0 V, and starter motor stops (does not rotate).	Wiring, S40/5
41.0	PI 681	Vehicles as of 06/98: Crash signal	8 —< (8A)	N3/10  —> 48 (16D)	Ignition: ON	< 1.0 V	Wiring, Readout DTC memory for SRS

Electrical Test Program – Sequential Multiport Fuel Injection System Test

P07.61-0314-13



P07.61-0537-01



P07.61-0538-01

Figure 1

B28 Pressure sensor (USA only)

Figure 2

TN signal

Figure 3

Injection duration "ti" at CTP

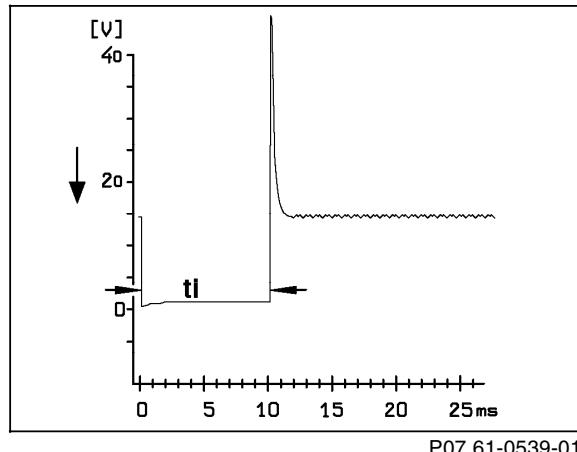
Electrical Test Program – Sequential Multiport Fuel Injection System Test

Figure 4
Injection duration "tI" at WOT

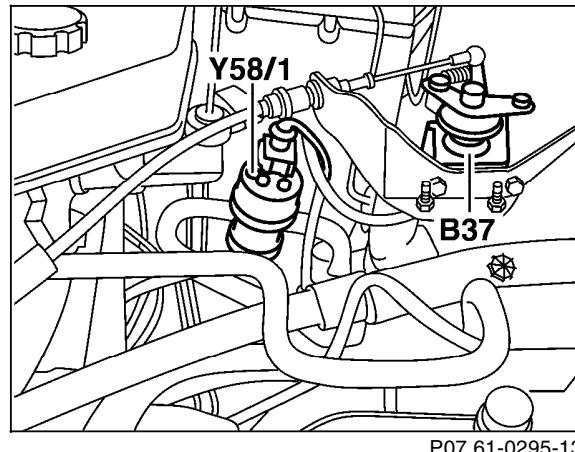


Figure 5
Model 170
Y58/1 Purge control valve

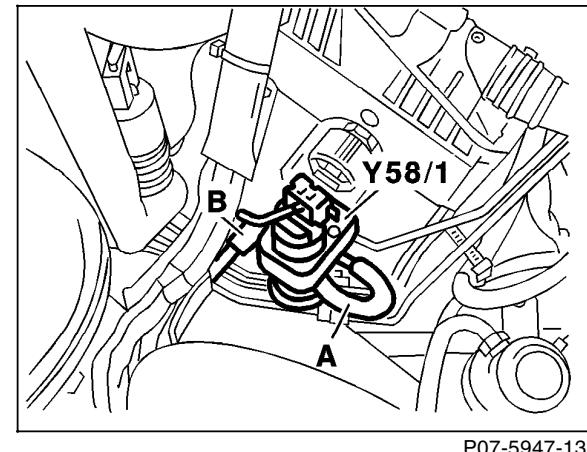


Figure 6
Model 202
Y58/1 Purge control valve

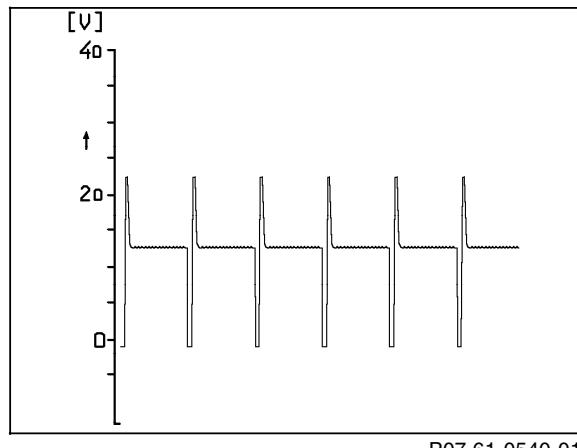
Electrical Test Program – Sequential Multiport Fuel Injection System Test

Figure 7
Purge control valve signal

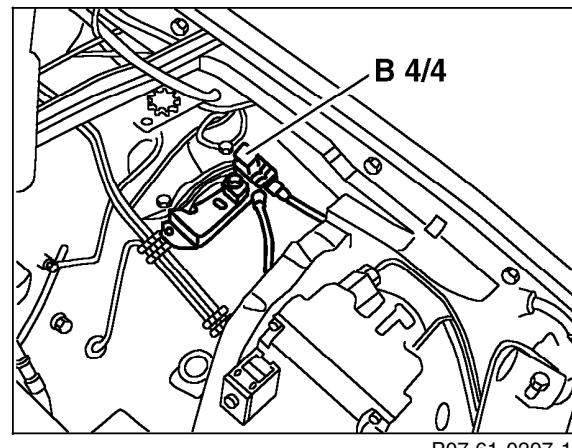


Figure 8
Model 202
B4/4 Fuel tank emissions monitoring pressure sensor

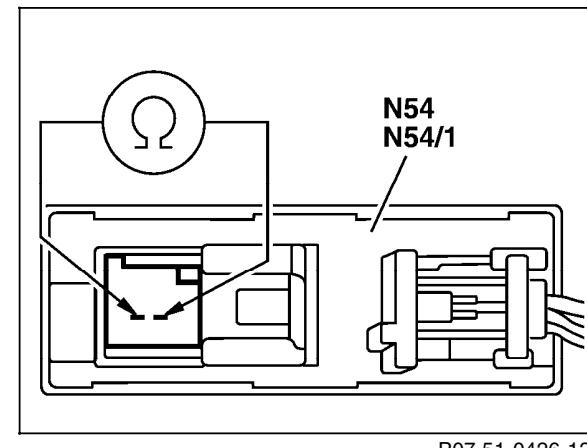


Figure 9
N54/1 DAS control module