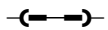
Hydraulic Test Program - Test (Fuel Pump Test)

Test step **DTC**	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	**Fuel pumps** Delivery capacity	N3/2 or N3/3  66  76 (1.25) (1.35)	Disconnect fuel return line at separation point. Hold fuel hose in measuring glass. Ignition: **ON**	 1 liter after maximum 35 seconds	Check fuel lines for restrictions (kinks and dents), ⇒ 2.0 ⇒ 3.0 Replace fuel filter.
⇒ 2.0	**Fuel pumps** Current draw	 Connect to sockets 1 and 3 (Figure 1)	Unplug FP relay module. Ignition: **ON**	 4 – 8 A	Fuel pump 1 or 2, **Note:** If current draw is > 8 A, also replace FP relay module.

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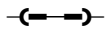
Test step **DTC**	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.0	**Fuel pressure** after fuel pump 1	N3/2 or N3/3  66 (1.25)  76 (1.35)	Unscrew cap on fuel pump 1 (M3m1), connect adaptor (045) and pressure gauge (043). Ignition: **ON** Read fuel pressure. Disconnect pressure gauge (043) and adaptor (045) and check for leaks.	1 – 3 bar	Fuel pressure < 1 bar: Voltage at fuel pump 1 < 11 V, Replace fuel pump 1 (M3m1). Fuel pressure > 3 bar: Voltage at fuel pump 2 < 11 V, Replace fuel pump 2 (M3m2).

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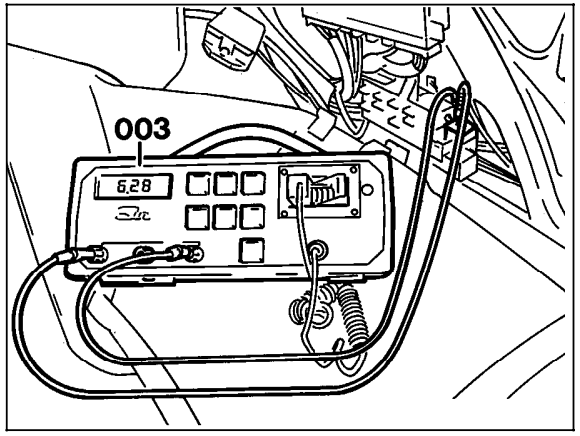

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Figure 1

003 Multimeter