Hydraulic Test Program - Test (Fuel Pump Test)

Test step **DTC**	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy [1]
⇒ 1.0	**Fuel pumps** Delivery capacity	N3/4 29 (1.29) — 39 (1.39)	Connect special tool fitting, part no. 000 589 01 91 00, and fuel hose to diaphragm pressure regulator instead of fuel return line. Place other end of fuel hose in measuring glass. Ignition: **ON**	1 liter after max. 35 seconds.	Check fuel lines for restrictions (kinks and dents). Replace fuel filter, ⇒ 2.0, ⇒ 3.0.
⇒ 2.0	**Fuel pumps** Current draw	connected to sockets 1 and 3 (Figure 1).	Unplug fuel pumps relay module. Ignition: **ON**	5 – 9 A	Fuel pump 1 or 2. **Note:** If current draw > 8 A, also replace fuel pumps relay module.
⇒ 3.0	**Fuel pressure** after fuel pump 1	N3/4 29 (1.29) — 39 (1.39)	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).

[1] Observe Preparation for Test, see 22.

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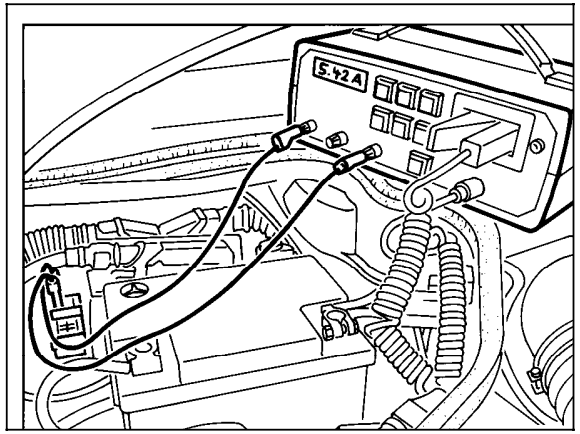

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Figure 1