
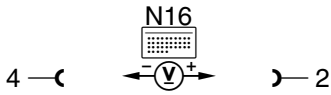
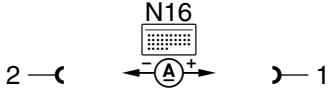





Hydraulic Test Program – Test (Testing Fuel Pumps)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Delivery capacity	 	<p>Ignition: OFF Connect special tool fitting, part no. 000 589 01 91 00, and fuel hose (056) to diaphragm pressure regulator instead of fuel return line (35, Figure 1 or 2). Place other end of fuel hose (056) in measuring glass.</p> <p>Ignition: ON</p> <p>Engine systems control module (N16) unplugged.</p> <p> End test after maximum of 40 seconds</p>	<p>11 – 14 V (indicated only briefly)</p> <p>1 liter after max. 40 seconds, current draw 6 – 10 A</p>	<p>Check battery voltage</p> <ul style="list-style-type: none"> • Check strainer in fuel inlet fitting of fuel distributor for restrictions, clean or replace fuel inlet fitting. • Check fuel lines for restrictions (kinks and dents). Repair as required. • Pinch leak-off line between fuel accumulator and suction damper with clamp. repeat fuel delivery test. If correct delivery is attained, replace fuel accumulator. • Replace fuel filter. • ⇒ 2.0.

Hydraulic Test Program – Test (Testing Fuel Pumps)

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0		Fuel pressure between fuel pump 1 and 2	<p>1  2</p>	<p>Unscrew cap on fuel pump 1 (M3m1), connect adaptor (045) and pressure gauge (043).</p> <p>Engine systems control module (N16) unplugged.</p> <p>Read fuel pressure.</p> <p>Disconnect pressure gauge (043) and adaptor (045) and check for leaks.</p>	2 – 4 bar	<p>Fuel pressure < 2 bar, replace fuel pump 1 (M3m1).</p> <p>Fuel pressure > 4 bar, replace fuel pump 2 (M3m2).</p>

Fuel pump test values

Bosch no./MB no.			0 580 254 951/002 091 88 01
Measurement specification	with engine stopped and voltage at the fuel pump	min. V	11.5
Delivery capacity	Measurement location: at the fuel line after the diaphragm pressure regulator. Fuel tank at least half full.	min. l/s	1/40
Current draw		Amps	6 – 10