

Hydraulic Test Program - Test (Fuel System Pressure and Internal Leakage Test)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0	Fuel pressure at idle (with vacuum)	Pressure gauge connected to test connection.	Engine: at Idle Valve on pressure gauge closed.	3.2 – 3.6 bar	Check fuel pumps 33, Replace diaphragm pressure regulator.
⇒ 2.0	Fuel pressure at idle (without vacuum)	Pressure gauge connected to test connection.	Engine: at Idle Disconnect vacuum hose from diaphragm pressure regulator.	3.7 – 4.2 bar	Replace diaphragm pressure regulator.
⇒ 3.0	Fuel system leakage	Pressure gauge connected to test connection.	Shut off engine. After 30 minutes	> 3.0 bar > 2.5 bar	If the pressure drops quickly, replace check valve in fuel pumps. If the pressure drops slowly, check injectors 36, Replace diaphragm pressure regulator or O-rings on diaphragm pressure regulator.

¹⁾ Observe Preparation for Test, see 22.