


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

⇒		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: 34 ⇒ 1.0, 34 ⇒ 2.0, 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 internal leakage	Pressure gauge connected to test connection.	Engine: OFF 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 ⇒ 1.0, 36 ⇒ 2.0, Replace diaphragm pressure regulator or O-rings on diaphragm pressure regulator.

¹⁾ Observe Preparation for Test, see 31.