

Fuel system

Fuel pressure

Checking - [Fig. 1](#)

Technical Data		
Pressure	Condition	Value
System	Vacuum OFF	2,8-3,2 bar
Regulated	Vacuum ON - 0,5 bar	2,3-2,7 bar

- Ensure ignition switched OFF.
- Connect pressure gauge between fuel supply pipe and fuel rail [Fig. 1](#) [1].
- Start engine.
- Allow to idle.
- Disconnect vacuum hose from fuel pressure regulator [Fig. 1](#) [2].
- Compare system pressure indicated with that specified.
- Connect vacuum pump to fuel pressure regulator [Fig. 1](#) [3].
- Apply specified vacuum.
- Compare regulated pressure indicated with that specified.

Fuel delivery rate

Checking - [Fig. 1](#) , [Fig. 2](#) & [Fig. 3](#)

Technical Data	
Delivery rate	0,34-0,60 litre/15 secs.

- Ensure ignition switched OFF.
- Disconnect fuel return pipe from fuel pressure regulator [Fig. 1](#) [4].
- Connect test pipe to fuel pressure regulator.
- Insert end of pipe into measuring flask [Fig. 2](#).
- Disconnect relay module multi-plug.
- Bridge relay module harness multi-plug terminals 5 and 8 with a switched lead [Fig. 3](#).
- Operate switch to run fuel pump.
- Compare delivery rate indicated with that specified.

Injectors

Injector checking and cleaning: Refer to General Test Procedures.

Checking resistance - [Fig. 4](#)

Technical Data	
Resistance	14-18 Ω

- Ensure ignition switched OFF.
- Disconnect injector multi-plugs.
- Check resistance between injector terminals.
- Repeat test for each injector.

Checking supply voltage - [Fig. 5](#)

Technical Data	
Terminals	Voltage
1 & earth	Battery voltage

NOTE: Relay module must be fitted and working correctly in order to carry out supply voltage checks.

- Ensure ignition switched OFF.
- Disconnect injector multi-plugs.
- Briefly crank engine.
- Check voltage between harness multi-plug terminal and earth.
- Repeat test for each injector.

Checking signal - [Fig. 5](#)

- Ensure ignition switched OFF.
- Disconnect injector multi-plugs.
- Connect LED test lamp between harness multi-plug terminals.
- Briefly crank engine.
- Check that LED flashes.
- If LED does not flash: Check wiring.
- Repeat test for each injector.

Fuel pump

Checking operation - [Fig. 3](#) & [Fig. 6](#)

- Ensure ignition switched OFF.
- Disconnect relay module multi-plug.
- Bridge relay module harness multi-plug terminals 5 and 8 with a switched lead [Fig. 3](#).
- Fuel pump should run continuously when switch is operated.
- If pump does not run:
- Check inertia fuel shut-off (IFS) switch has not activated.
- Disconnect fuel pump multi-plug.
- Check for battery voltage between harness multi-plug terminals [Fig. 6](#).
- If battery voltage is not indicated: Check wiring and fuses.

