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Fuel system

Fuel pressure

Checking - Fig. 1

Technical Data				
Pressure Condition Value		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 <u>Fig. 1</u> [1].
- Start engine.
- Allow to idle.
- Disconnect vacuum hose from fuel pressure regulator <u>Fig. 1</u> [2].
- Compare system pressure indicated with that specified.
- Connect vacuum pump to fuel pressure regulator <u>Fig. 1</u> [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 <u>Fig. 1</u> [4].
- Connect test pipe to fuel pressure regulator.
- Insert end of pipe into measuring flask <u>Fig. 2</u>.
- Disconnect relay module multi-plug.
- Bridge relay module harness multi-plug terminals 5 and 8 with a switched lead <u>Fig. 3</u>.
- Operate switch to run fuel pump.
- Compare delivery rate indicated with that specified.

Injectors

Injector checking and cleaning: Refer to General Test Procedures.

 Manufacturer: Peugeot
 Model: 306 (97-03) 2,0 S16/GTi-6
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 Engine code: XU10J4RS/L3 (RFS)
 Output: 120 (167) 6500
 30/11/2015

 Tuned for: R-Cat
 Year: 1997-01
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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

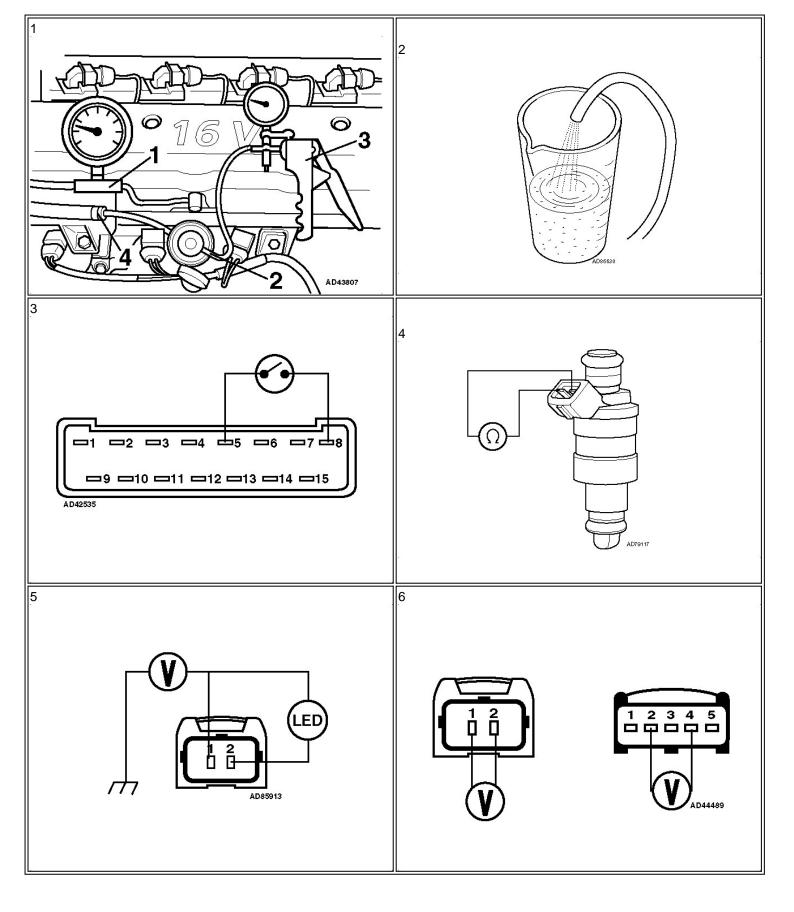
Checking operation - Fig. 3 & Fig. 6

- 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 <u>Fig. 6</u>.
- If battery voltage is not indicated: Check wiring and fuses.

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