

## B 11 Check Fuel Low Pressure Circuit for Leaks

Operation No. of Text description and Time Allowance ..... 07-1401

### Engine 606.912 IFI

- |    |  |   |
|----|--|---|
| 1  | Air filter air intake line .....                                     | remove, install.  |
| 1a | Resonance intake line .....  | remove, install.  |
| 2  | Shaft cover on valve cover .....                                     | remove, install. At the assembly make sure that the leak-off hose from cylinder 1 to the fuel return hose (90/5) is correctly routed.   |
| 3  | Leak-off hoses (90/3) between the injectors .....                    | check for leaks, replace if necessary.  |
| 4  | Leak-off hose (90/3) from cylinder 1 with special pliers .....       | disconnect, connect. <b>Caution!</b> Do not pull on hose  |
| 5  | Suction line to fuel heater (90/1) and fuel return hose (90/5) ..... | pinch off with clamps and remove clamps   |
| 6  | Fuel low pressure circuit .....                                      | drain partially (e.g. disconnecting a fuel line).   |
| 7  | Pressure tester (019) on leak-off line (90/3) .....                  | connect, disconnect.  |
| 8  | Fuel low pressure circuit with 900 mbar .....                        | pressurize and set pointer.<br>Maximum pressure drop 20 mbar after 2 minutes<br>If pressure drop > 20 mbar, check system with soap water (e.g. diluted dishwashing liquid) for leaks. |

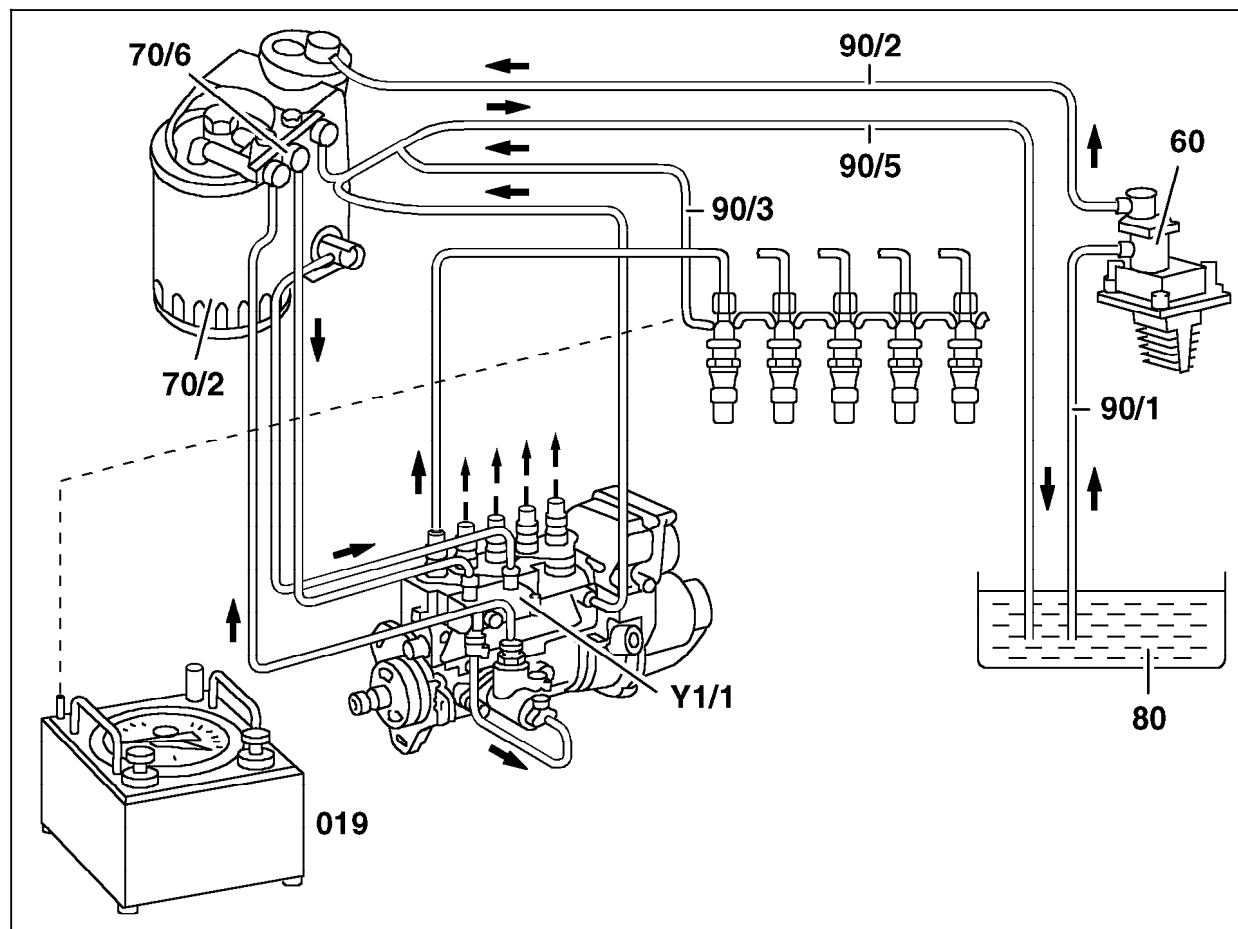
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Connection diagram – Engine 606.912 IFI  
Check Fuel Low Pressure Circuit

Shown on engine 605 (5 cylinder, non-U.S.)

Figure 1

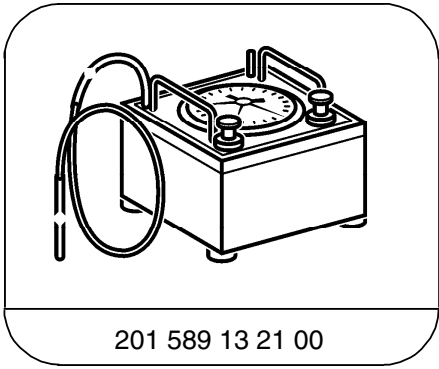
- |      |  |
|------|--|
| 019  | Pressure tester  |
| 60   | Fuel heater  |
| 70/2 | Fuel main filter                                       |
| 70/6 | Fuel filter outlet to electrohydraulic actuator (Y1/1) |
| 80   | Fuel tank  |
| 90/1 | Cold fuel suction hose                                 |
| 90/2 | Warm fuel return hose                                  |
| 90/3 | Leak-off hose  |
| 90/5 | Fuel return hose to fuel tank                          |
| Y1/1 | IFI electrohydraulic shut-off actuator                 |



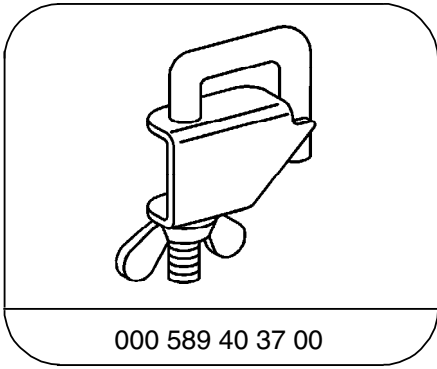
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**Special Tools**



Tester

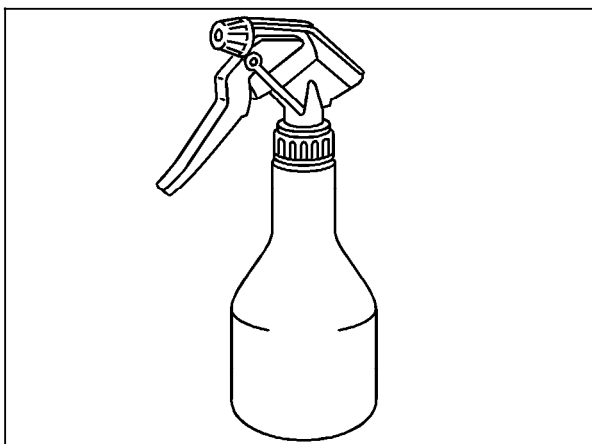


Clamp

**Conventional tools, test equipment**

Description	Brand, model, etc.
Special pliers	
Spray bottle with hand pump	local purchase

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Spray bottle with hand pump