**Special tools required:**

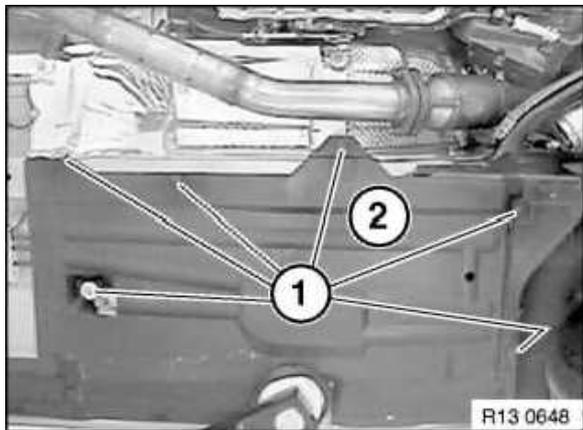
- 13 5 220
- 13 5 221
- 13 5 222
- 61 3 050

Switch off ignition.

Remove rear underbody protection from assemblies.

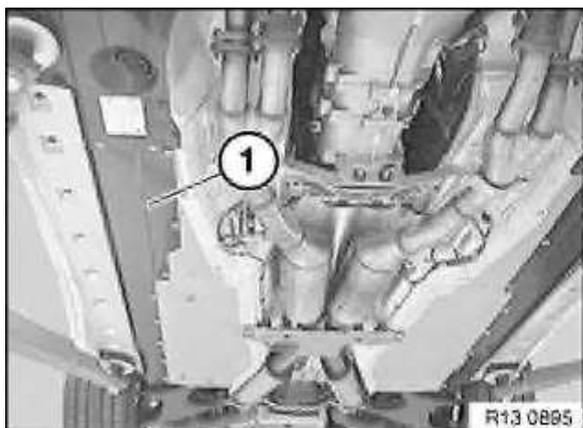
**Caution!**

The fuel in the fuel lines is under pressure (approx. 5 bar)!  
Catch and dispose of escaping fuel.

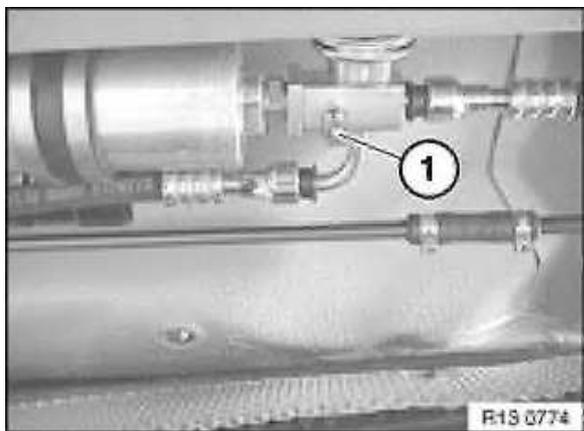
**E39 only:**

Release screw connections (1).

Press cover (2) downwards on left side of floor plate.

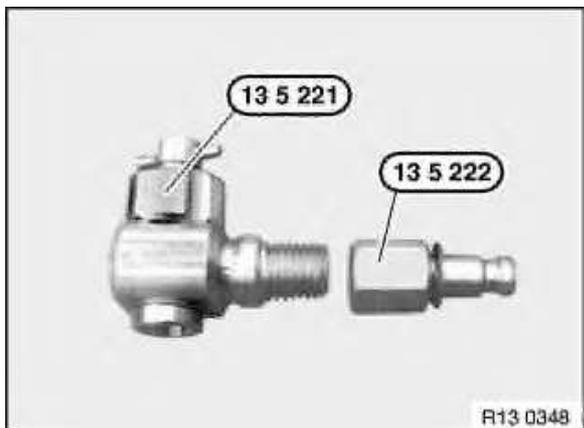
**E52 only:**

Remove cover (1).



### E39 and E52:

Remove dust cap (1).



Connect special tool kit 13 5 220 (comprising 13 5 221 and 13 5 222) to pressure sensor of DIS Tester.

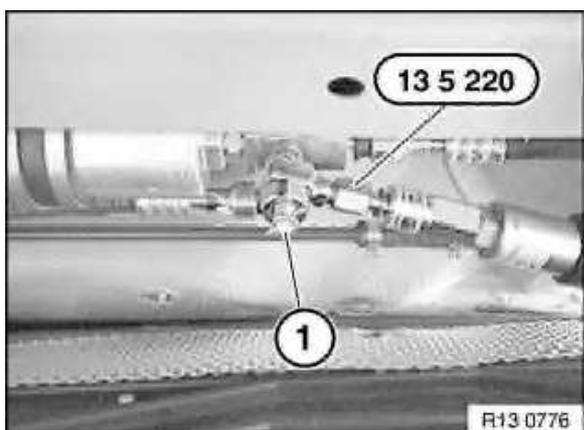
Connect pressure sensor to DIS Tester.



### Caution!

Do not under any circumstances screw in the check valve up to the mechanical stop.

This could damage the valve in the pressure regulator housing.

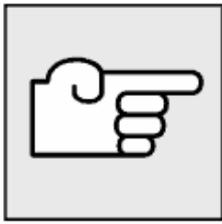


Attach special tool kit 13 5 220 to housing of pressure regulator and tighten knurled nut until hand-tight.

Screw out check valve (1) so that valve in pressure regulator housing is closed.

Start engine.

Screw in check valve (1) until a pressure reading is indicated on DIS Tester.

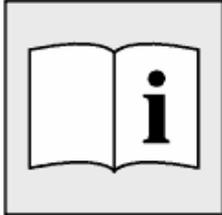


Measuring fuel pressure.

- Select Measurement.
- Multimeter function appears
- Select Pressure test
- Read off pressure.

Compare with test pressure.

Switch off engine.



### Checking fuel pump:

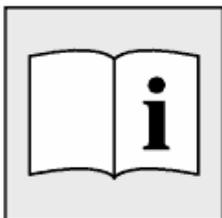
Remove fuel pump relay.



Connect special tool 61 3 050 to terminals 87 and 30.

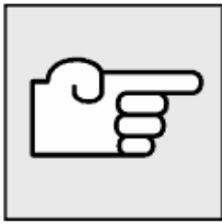
Press button and read off fuel pump delivery pressure on DIS Tester.

Fuel pump delivery pressure.



*Note:*

For further test procedures,  
refer to 13 31 ... Fuel pressure check.



*Note:*

Removing special tool kit 13 5 220 :

- Switch off engine
- Screw out check valve fully again.
- Remove special tool kit 13 5 220 from pressure regulator housing.
- Catch and dispose of escaping fuel.



*Note:*

Interrogate fault memory of DME control module.

Check stored fault messages.

Rectify faults.

Then clear fault memory.