

13 53 158

**Removing and  
installing/replacing  
rail (rail with  
pressure lines)  
(N55)**

**Special tools required:**

- [13 0 160](#)



**Warning!**

Observe warning on cylinder head cover.

Disconnect [negative battery terminal](#) (risk of fire due to short circuit on dismantling).

Electric fuel pump starts up automatically when door is opened!

Carry out installation work on fuel system only with coolant temperature below 40 °C.



**Attention!**

Wear full face guard and protective gloves.

Fuel can emerge spontaneously at high speed when the high pressure line is released!



**Attention!**

Adhere to conditions of absolute cleanliness when carrying out repair work on the high-pressure fuel system!

Introduced contaminants can cause malfunctions in the system!

- Do not allow any dirt particles or foreign bodies to get into the system.
- Remove all traces of contamination before removing

lines or separate components.

- Use only lint-free cloths.
- Seal all fuel system openings with protective caps or plugs.



### Attention!

When working on the oil, coolant or fuel circuit, you must protect the alternator against dirt contamination.

Cover alternator with suitable materials.

Failure to comply with this procedure may result in an alternator malfunction.



### Necessary preliminary work:

- Remove [ignition coils](#).
- Remove [intake silencer housing](#)
- **If fitted:** [Remove](#) rear ignition coil cover.



### Recycling:

Fuel escapes when fuel lines are detached.

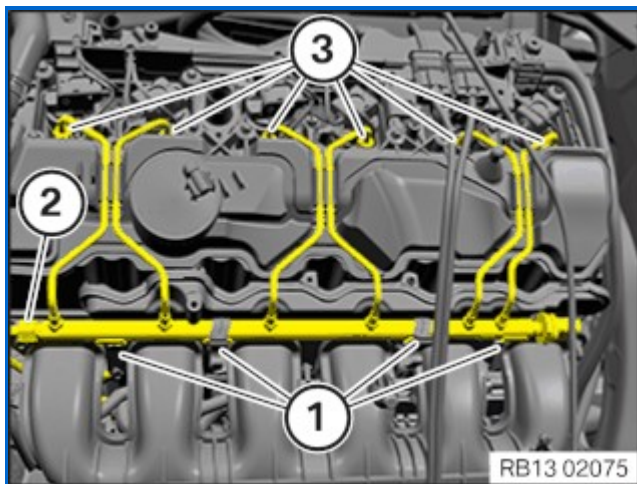
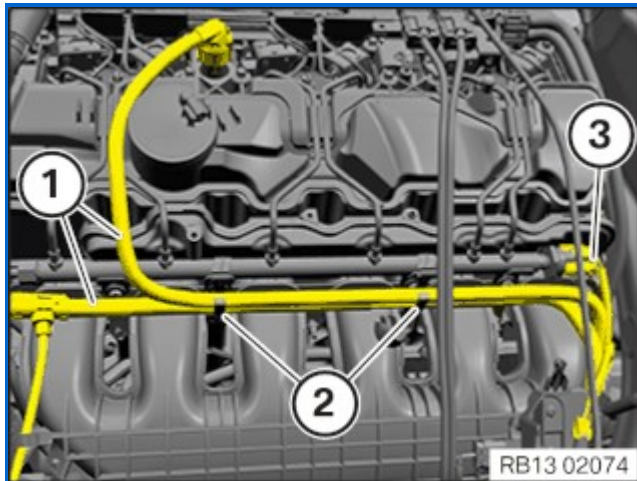
Catch and dispose of escaping fuel.

Observe country-specific waste disposal regulations.

Release wiring harnesses (1) from rail and lay to one side.

Undo clamps (2) from rail.

Unlock connector (3) from and remove from rail pressure sensor.



Release screws (1).  
Slacken nut (2).  
Loosen nuts (3) on injectors.  
Feed out and remove the rail .

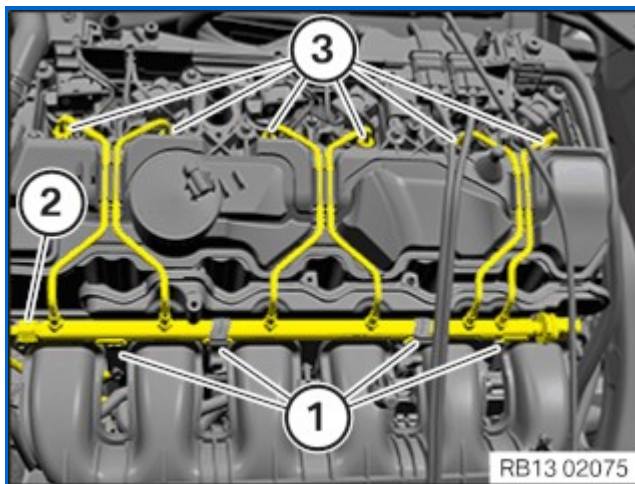
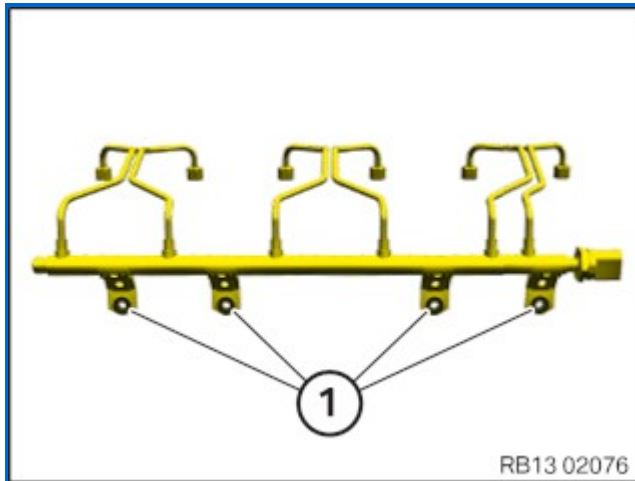


### Installing the rail:

Rail installation is described separately from removal.

### *Installation note:*

Before reinstalling the rail, the decoupling element and sleeves (1) must be replaced.



Install rail while tightening bolts (1) and nuts (2) and (3) hand-tight only.

**Note:**

- Rail must still be displaceable on cylinder head.
- Nuts (2) and (3) must be able to be screwed on easily by hand!

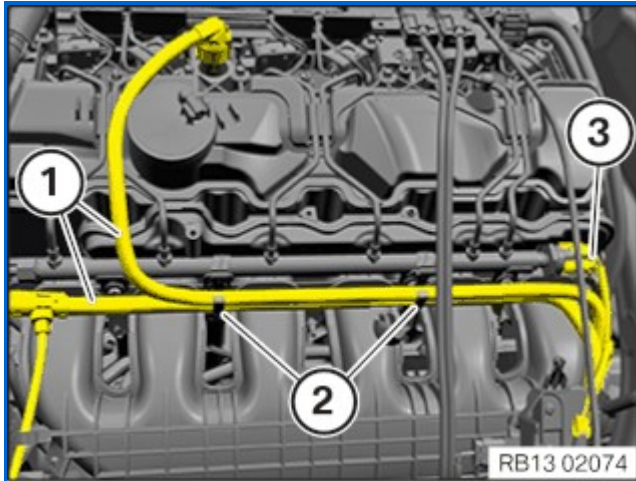
**Adhere to tightening sequence:**

1. Tighten down screws (1).  
Tightening torque [13 53 2AZ](#).
2. Tighten nuts (3) on the injectors with special tool [13 0 160](#).  
Reset special tool in early to avoid bending pressure lines  
Tightening torque [13 53 9AZ](#).
3. Tighten nut (2).  
Tightening torque [13 53 8AZ](#).

Mount clamps (2) on the rail.

Lay wiring harnesses (1) and attach on the clamps (2).

Connect the connector (3) to the rail pressure sensor and lock it audibly.



Assemble engine.

Check fuel system for leak tightness.

Check function of DME.