

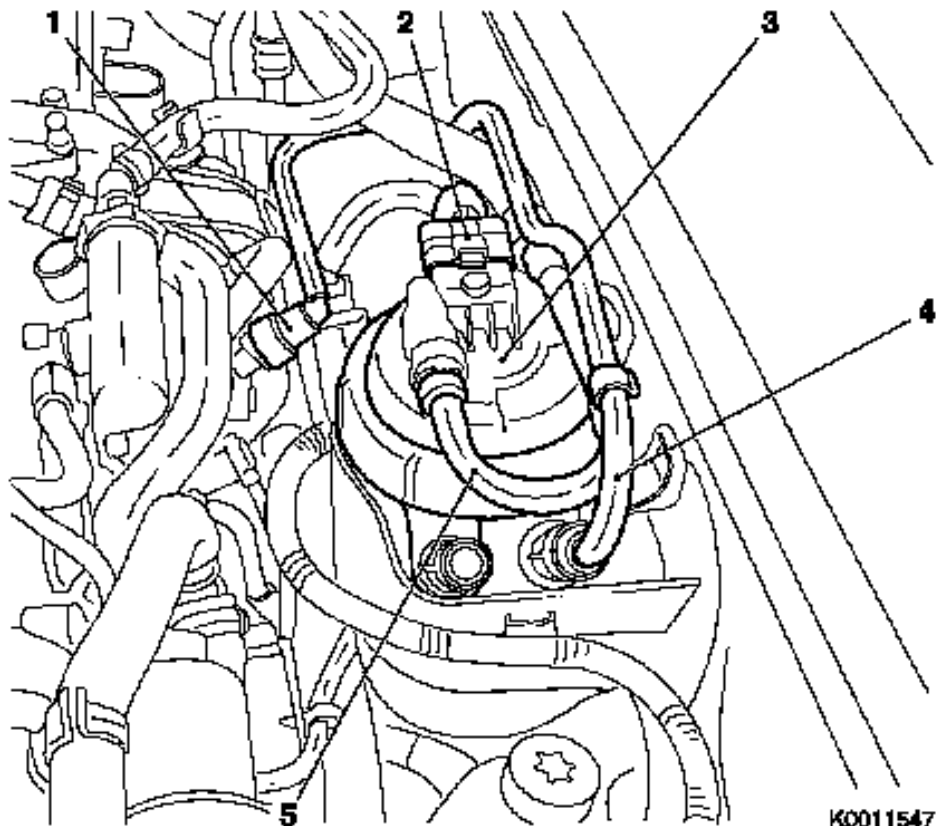
Fuel Filter Housing, Remove and Install (Z 19 DT, Z 19 DTH)

Warning: Fuel escapes – observe safety measures and national legislation.



Remove

1. Disconnect battery
 - Detach ground cable
2. Detach wiring harness plug, fuel filter heating (2)
 - from fuel filter housing (3)
 - release and disconnect
3. Detach wiring harness plug, water level sensor
 - from fuel filter housing
 - release and disconnect
4. Detach fuel feed line (5)
 - open with **KM-796-A**
 - seal off with **KM-6015**
5. Detach fuel feed line (4)
 - open with **KM-796-A**
 - seal off with **KM-6015**
6. Remove fuel filter housing (3) from crash box



Install

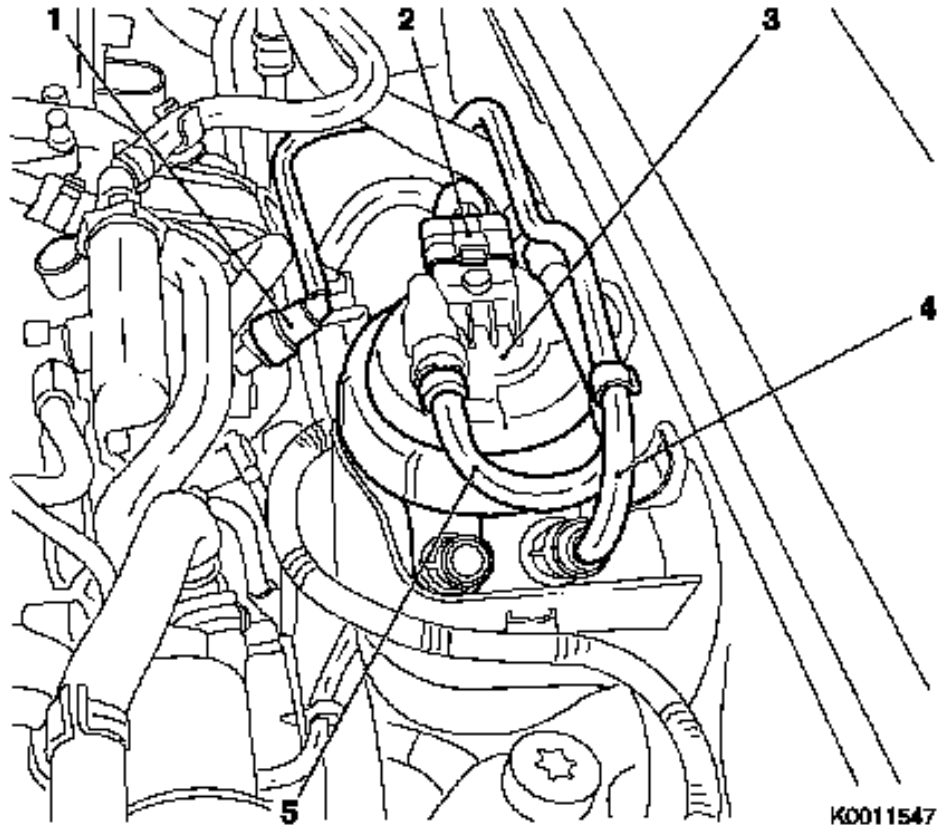
7. Insert fuel filter housing (3) in crash box
8. Attach fuel feed line to pump (4) to fuel filter housing
 - Remove **KM-6320**
9. Attach fuel feed line (5) to fuel filter housing
 - Remove **KM-6015**
10. Attach wiring

harness plug, fuel filter heating (2)

- to fuel filter housing (3)
- Connect and lock in place

11. Attach wiring harness plug, water level sensor

- to fuel filter housing
- Connect and lock in place



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12. Connect battery

- Attach ground cable

13. Program volatile memories

14. If the fuel filter housing is not filled with fuel, bleed the fuel filter housing

- Turn ignition key to the "ignition on" position 3x and hold for min. 3 seconds each time
 - Note:** The preliminary conveying pump in the fuel tank runs at "ignition on" and fills the fuel filter housing in this way.
- Start engine
 - If the engine stalls, repeat bleeding



Inspect

15. Check fuel system for leaks

- with engine running

Fuel Filter Element, Replace (Diesel Engines)

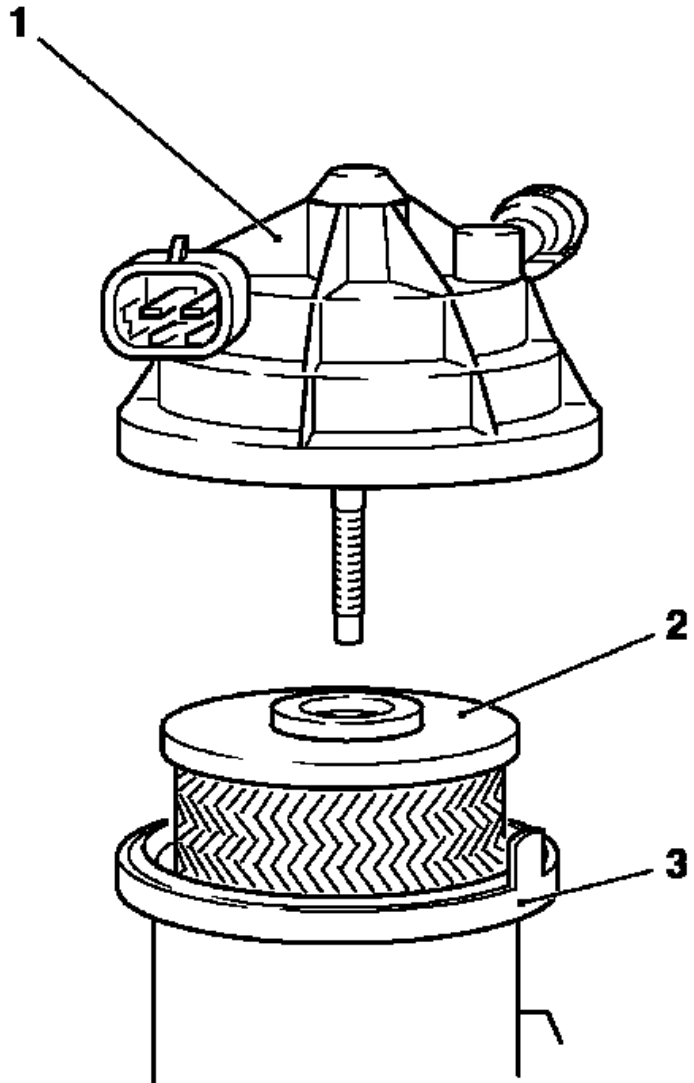
Warning: Fuel escapes – observe safety measures and national legislation.



Remove

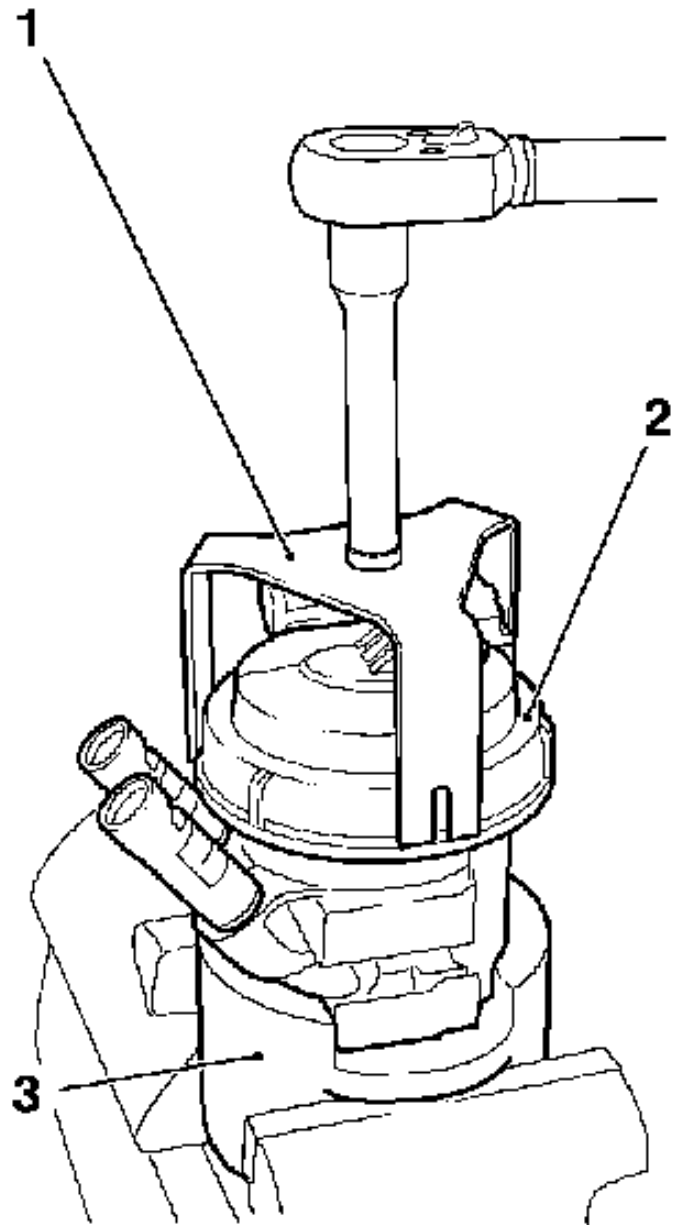
1. Remove fuel filter housing
 - see operation "Fuel Filter Housing, Remove and Install (Y 20 DTH, Y 22 DTR, Y 30 DT, LHD)" or "Fuel Filter Housing, Remove and Install (Y 20 DTH, Y 22 DTR, Y 30 DT, RHD)" or "Fuel Filter Housing, Remove and Install (Z 19 DT, Z 19 DTH)"
2. Remove fuel filter element (2)
 - Detach fuel filter housing cover (1)
 - Unscrew central bolt
 - remove out of fuel filter housing (3) and place in suitable container

Note: collect escaping fuel and drain residual fuel out of fuel filter housing into suitable container



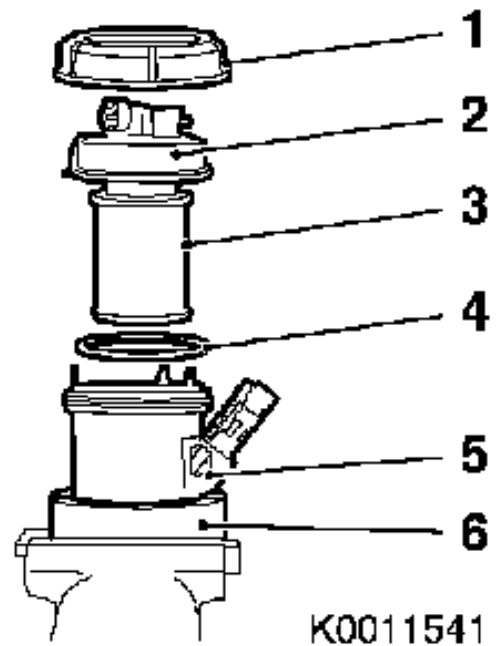
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3. Z 19 DT, Z 19 DTH: Open fuel filter housing
 - Clamp fuel filter housing with **EN-46784-020** (3) in vice
 - Open cover of fuel filter housing (2) with **EN-46784-010** (1)



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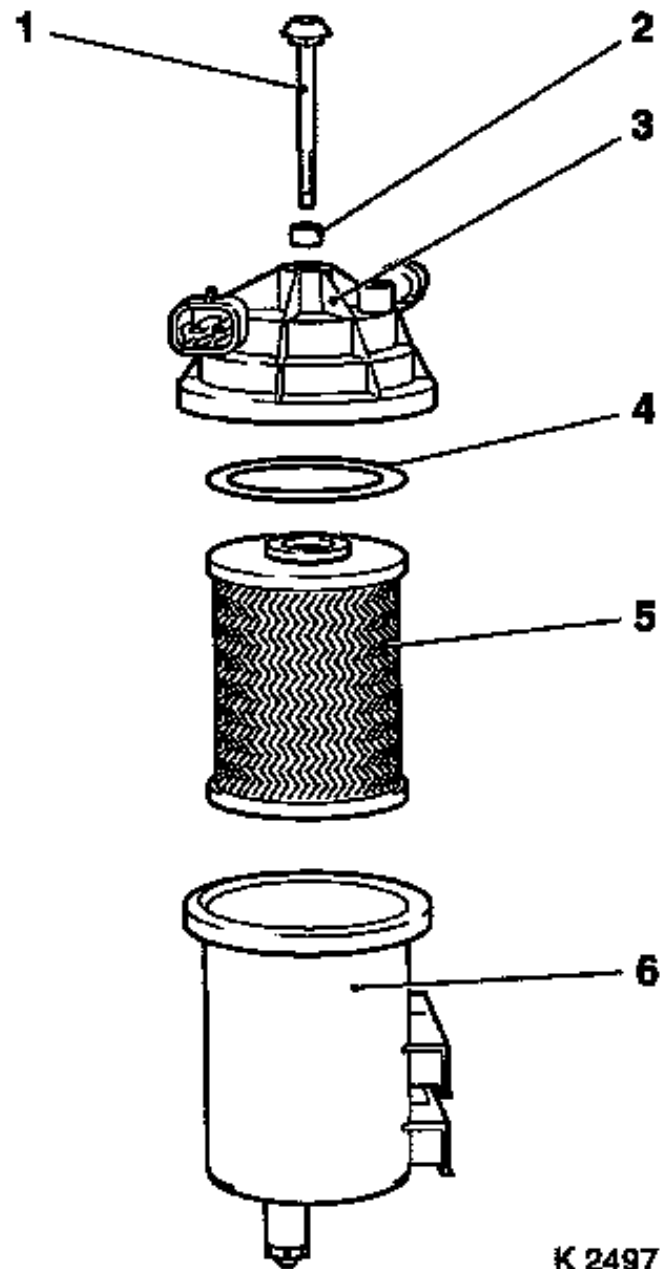
4. Z 19 DT, Z 19 DTH: Detach screw cap (1) from fuel filter housing (5)
- **EN-46784-20** clamped in vice
 - Screw cap (1)
 - Remove filter element with housing upper section (2, 3)
 - Remove seal ring (4)
 - Turn element (3) 50° anti-clockwise

**Clean**

5. Clean fuel filter housing lid and interior of fuel filter housing with a lint-free cloth.

**Assemble**

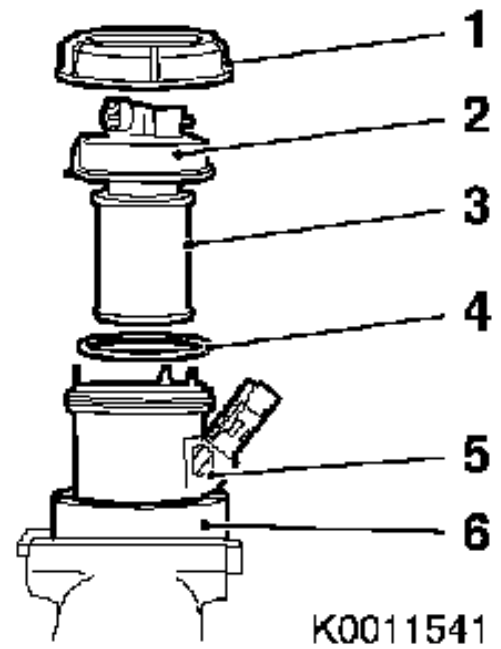
6. Insert fuel filter element (5)
 - into fuel filter housing (6)
7. Top up fuel filter housing (6) with new diesel fuel
 - up to just under the edge
8. Assemble fuel filter housing
 - use new gasket (4) for fuel filter housing cover (3)
 - use new gasket for central bolt (2)
 - Tighten central bolt (1) (**6 Nm**)



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9. Z 19 DT, Z 19 DTH: Assemble fuel filter housing

- Insert new filter element (3)
 - Renew seal ring (4)
 - Turn element (3) 50° clockwise
- Note:** Upper section of housing will fit only in one installation position. It is not possible to install it incorrectly.
- Attach screw cap (1) to fuel filter housing (5)
 - Screw in screw cap (1) and tighten with **EN-46784-10 (30 Nm)**



Install

10. Install fuel filter housing

- see operation "Fuel Filter Housing, Remove and Install (Y 20 DTH, Y 22 DTR, Y 30 DT, LHD)" or "Fuel Filter Housing, Remove and Install (Y 20 DTH, Y 22 DTR, Y 30 DT, RHD)" or "Fuel Filter Housing, Remove and Install (Z 19 DT, Z 19 DTH)"

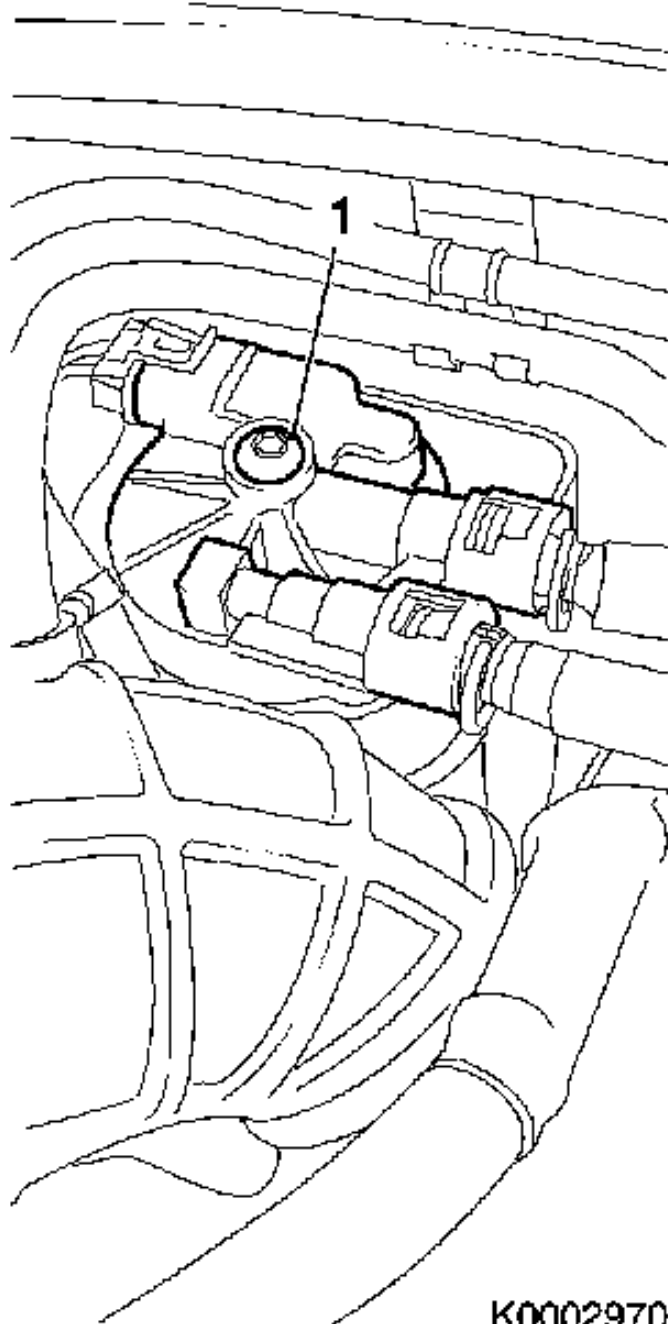
Fuel Filter, Drain Water (Diesel Engines)

Warning: Fuel escapes – observe safety measures and national legislation.



Remove

1. Release central bolt (1)
 - at fuel filter housing cover



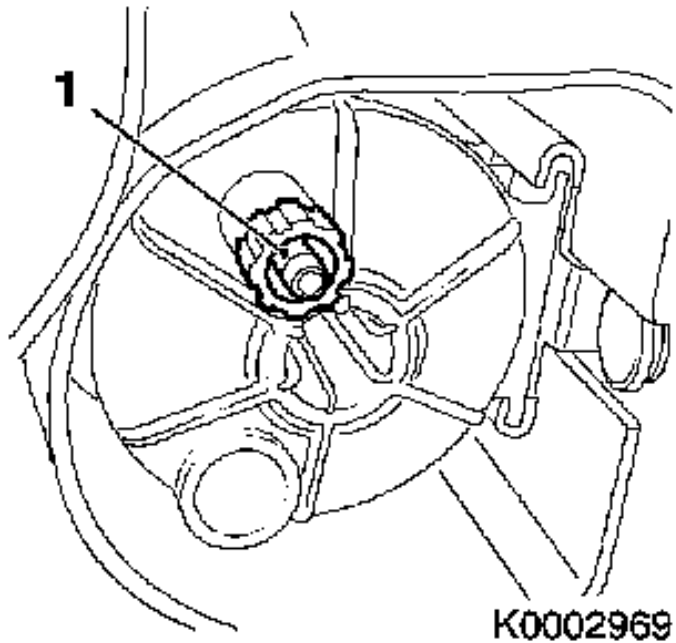
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2. Open drain bolt (1) 1 turn
 - Collect water residue

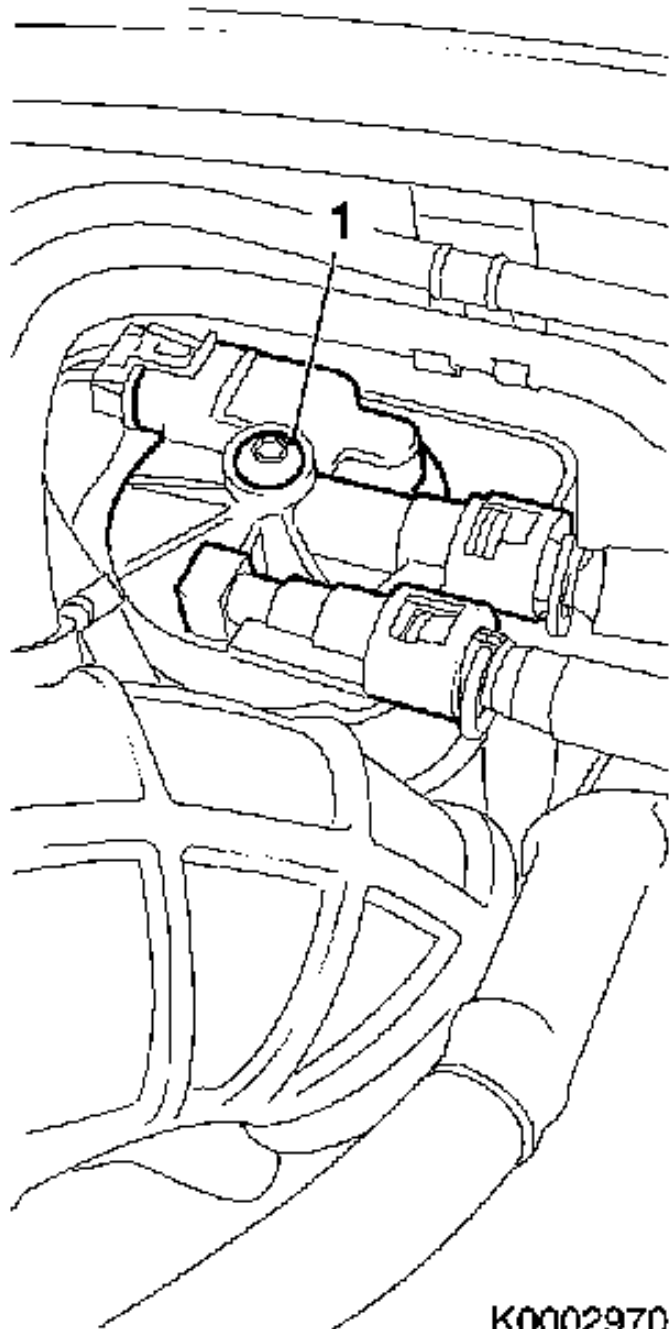
Important: Y 20 DTH, Y 22 DTR: Do not allow fuel filter housing to run dry as otherwise bleeding will be necessary - see operation "Fuel System, Bleed (Y 20 DTH, Y

22 DTR)".

3. Close drain bolt (1)
 - as soon as diesel fuel escapes



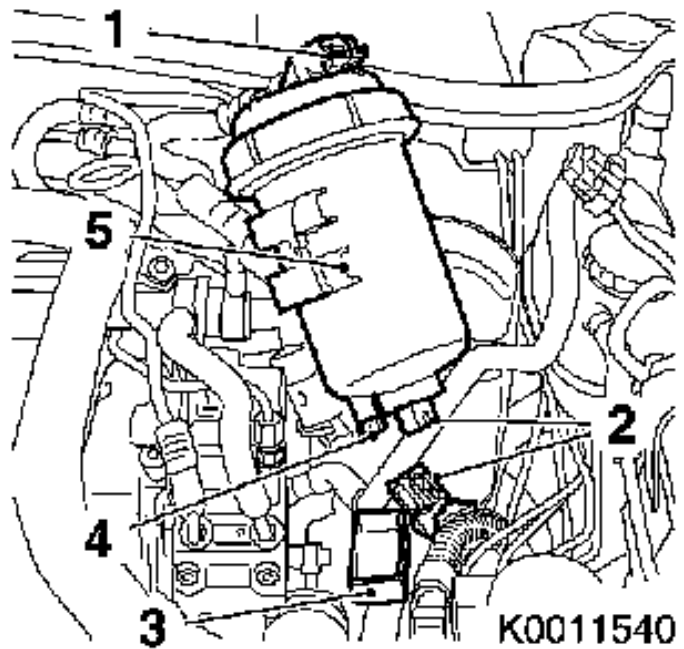
4. Tighten central bolt (1) (**6 Nm**)



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5. Z 19 DT, Z 19 DTH: Detach fuel filter housing (5)
 - Disconnect fuel preheater wiring harness plug (1).
 - Disconnect wiring harness plug for fuel temperature sensor (2)
 - Remove fuel filter housing from crash box by carefully pulling it upwards
Note: Fuel system remains closed.
6. Drain fuel filter
Note: Do not shake fuel filter housing. Do not allow fuel filter housing to run empty.
 - Collect fuel in a suitable container (3)

- Open drain bolt (4) approx. 1 turn
- as soon as diesel fuel flows out, close drain bolt



Install

7. Z 19 DT, Z 19 DTH: Install fuel filter housing (5)
 - Insert fuel filter housing in crash box and push down into guide
 - Connect wiring harness plug of fuel pre-heater (1)
 - Connect wiring harness plug of fuel temperature sensor (2)

