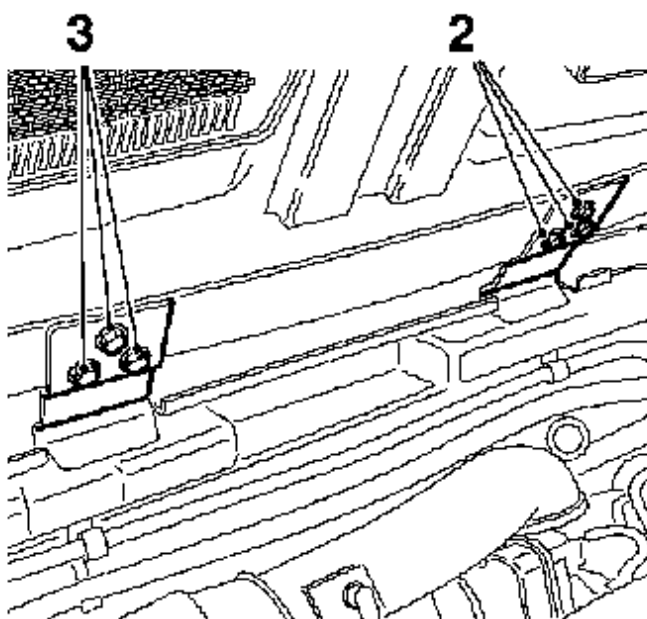
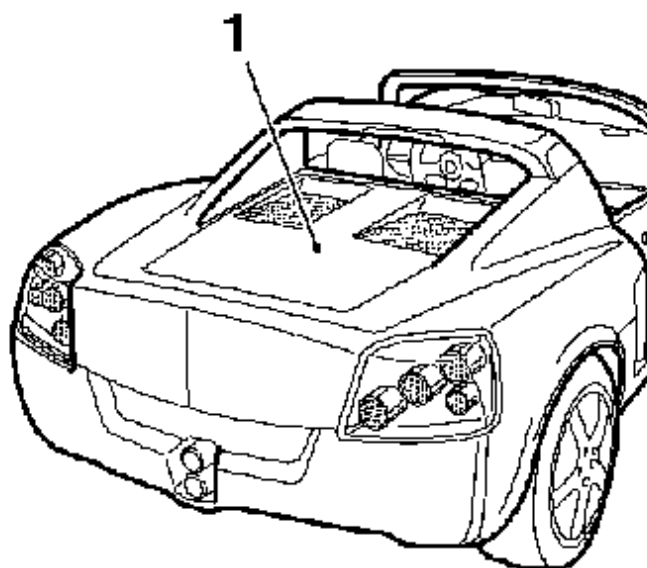


Camshaft Connection Flange, Bearing Cap, Replace (Z 22 SE)



Remove

1. Open the bonnet.
2. Disconnect the battery.
3. Open the engine cover (1).
4. Detach the engine cover.
 - 6 bolts (2) and (3)

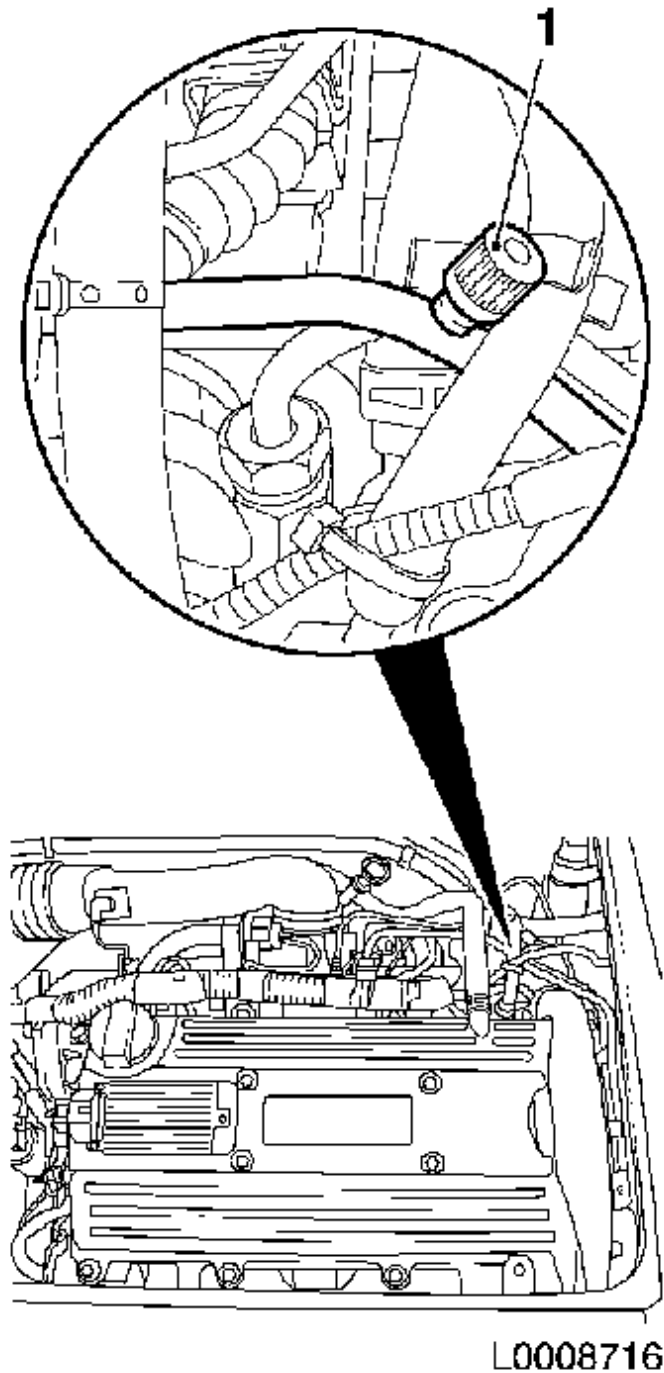


L0008715

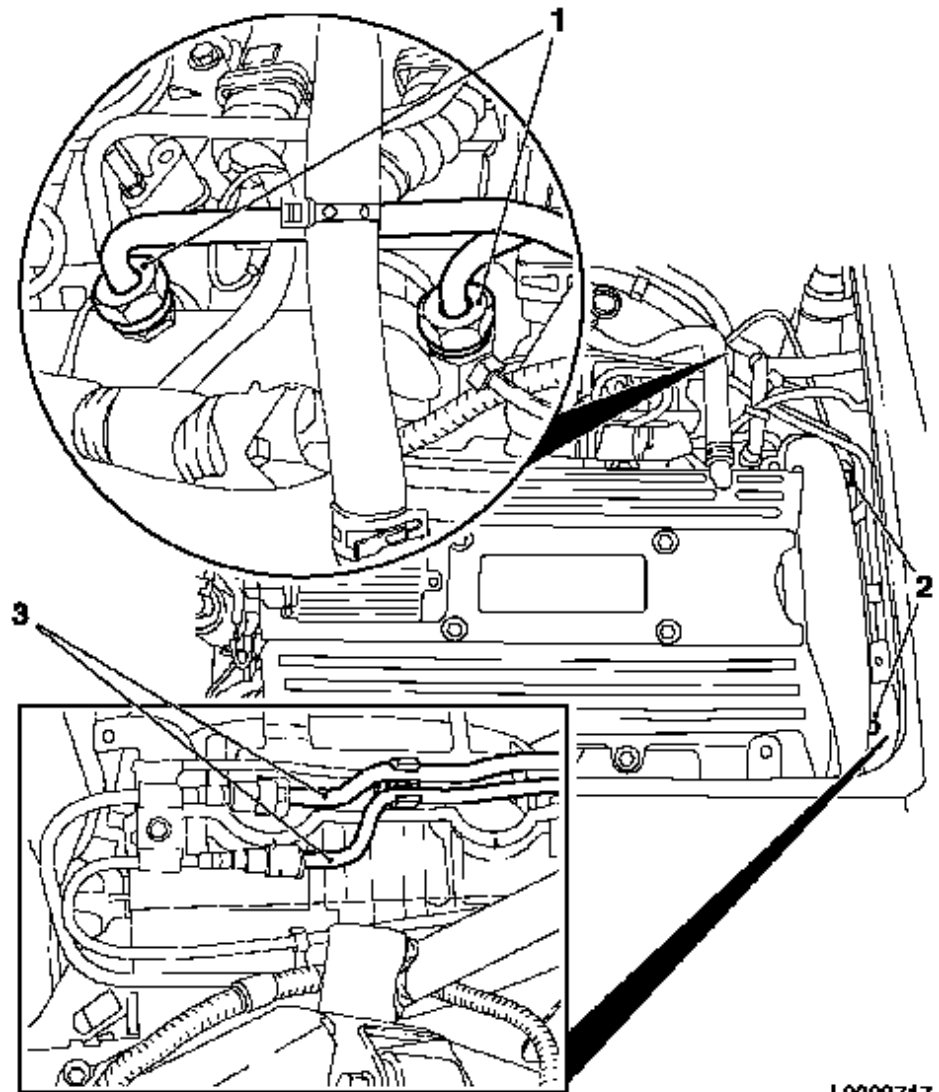
5. Release the fuel pressure.

Important: Fuel may escape – observe the safety regulations and relevant national legislation.

 - Release the fuel pressure with the pressure tester **KM-J-34730-91** via test connection (2).
 - Collect any escaping fuel in a suitable container.

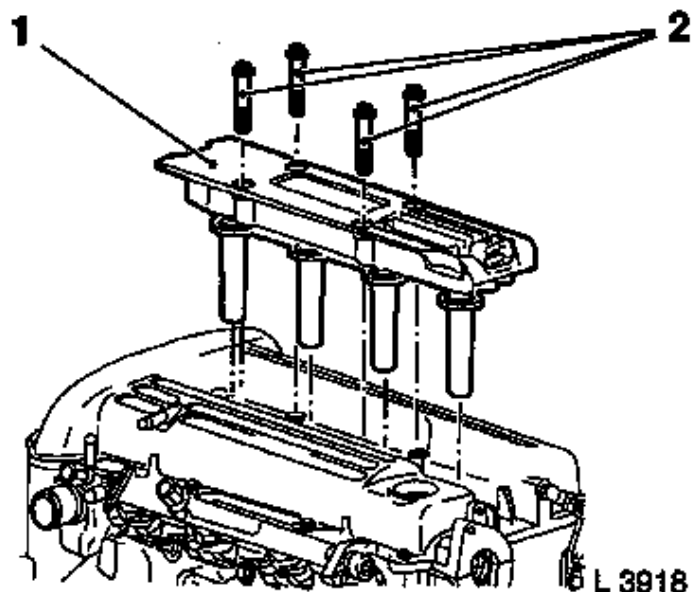


6. Disconnect the fuel lines.
- 2 union nuts (1)
 - 2 bolts (2)
 - Reposition the fuel lines to one side.



L0008717

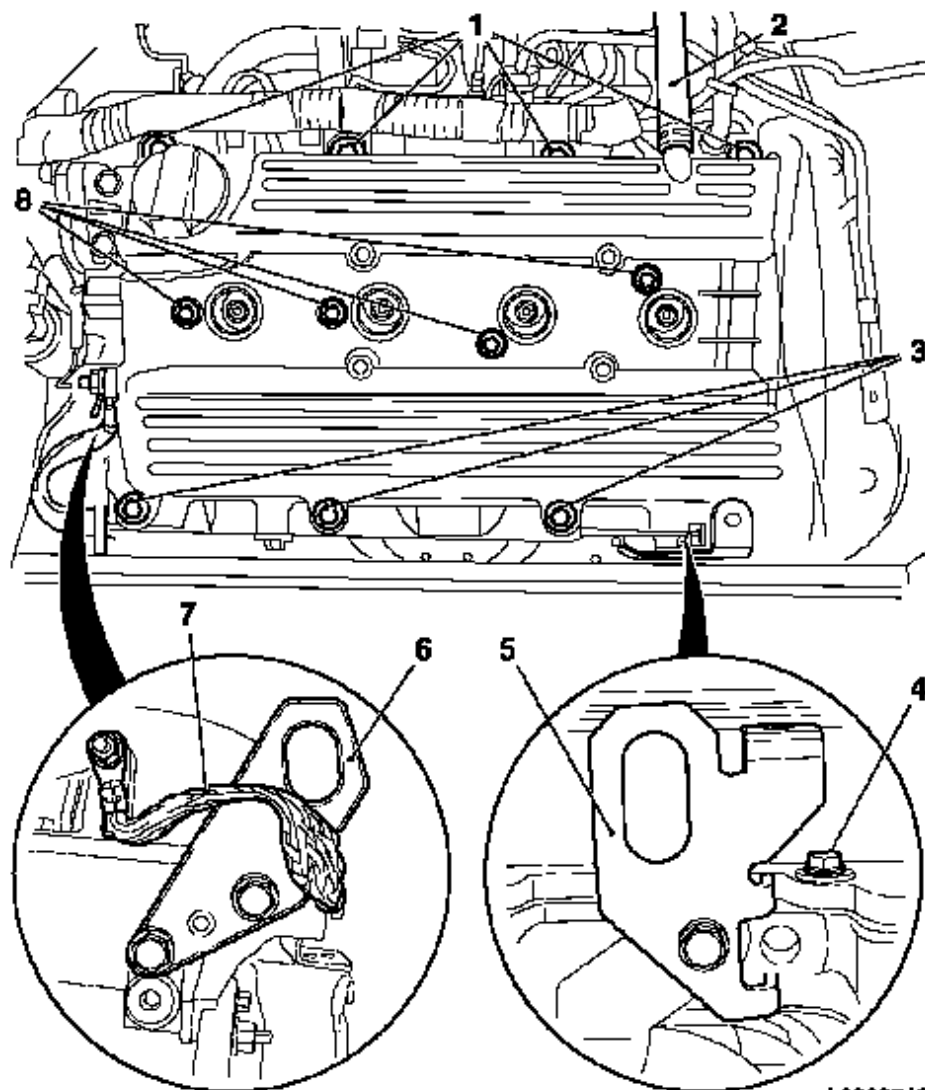
7. Detach the ignition module (1).
- Release and detach the wiring harness connector.
 - 4 bolts (2)



L 3918

8. Remove the cylinder head cover.

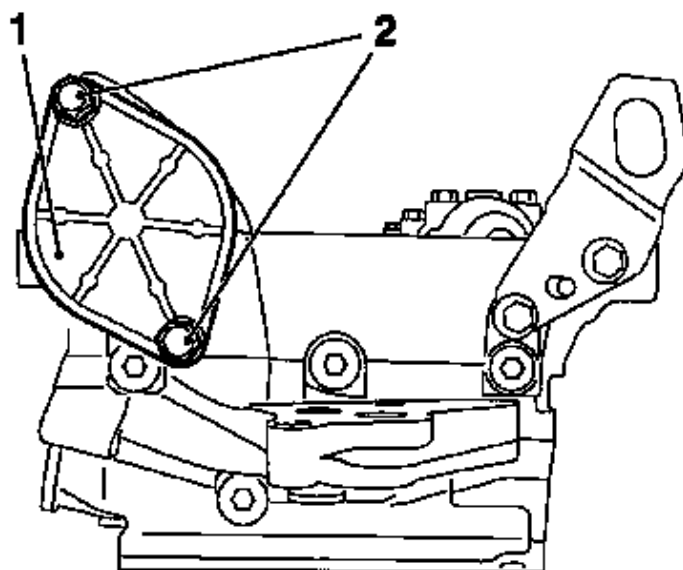
- Detach the engine breather hose (2).
- Detach the engine lifting eyes (5) and (6).
 - 2 bolts, 1 nut
- Detach the ground cable (7).
 - 1 bolt
- 12 bolts (1), (3), (4) and (8)



L0008718

9. Remove the camshaft connecting flange cover (1).

- 2 bolts (2)

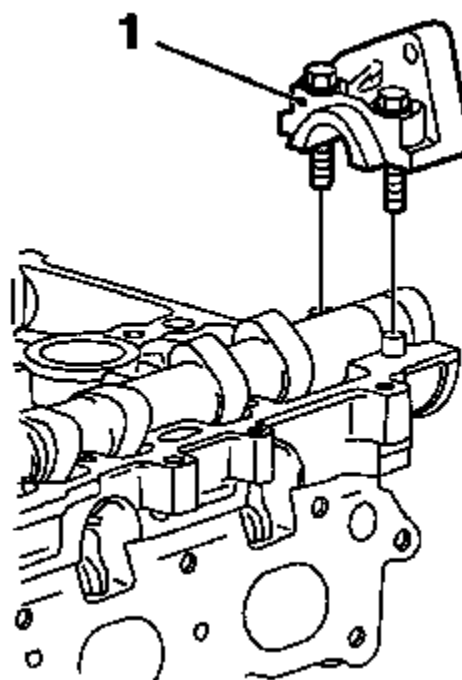


L 5744

10. Remove the camshaft connecting flange bearing cap.
- 2 bolts
 - Visually inspect the camshaft bearings for wear.

Note: The cylinder head should be replaced if the camshaft bearings are defective.

11. Clean the sealing surfaces.



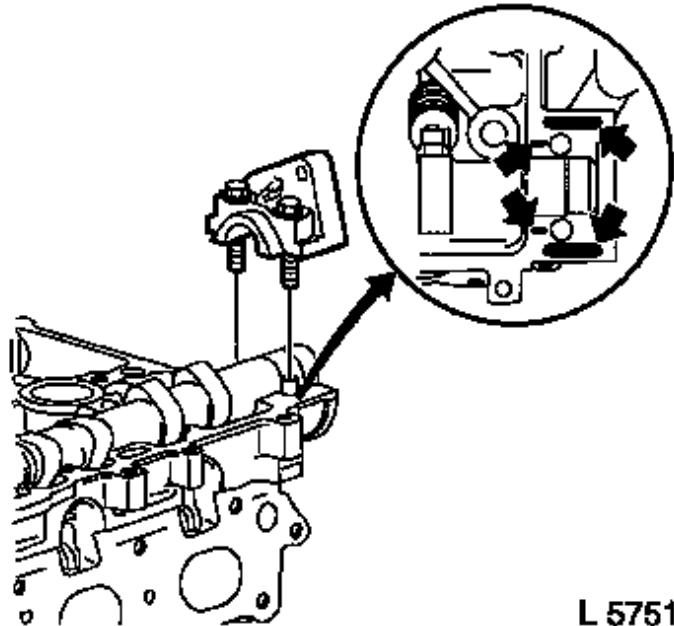
L 5755



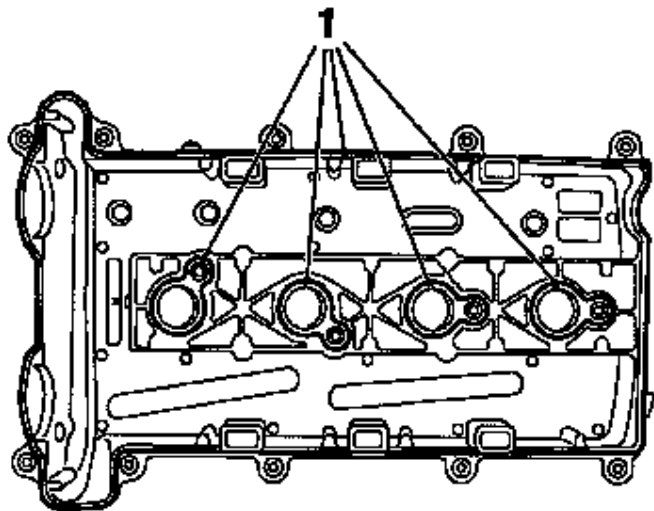
Install

12. Install the camshaft connecting flange bearing cap.
- Coat the sliding surfaces with engine oil.
 - Coat the sealing surfaces (arrows) with silicone sealant (grey) (arrows).
 - Tightening torque **22 Nm**
13. Install the camshaft connecting flange cover.

- Use a new gasket.
- 2 bolts
 - Tightening torque **23 Nm**



- 14.** Attach the cylinder head cover
- Clean the sealing surfaces.
 - Use new gaskets.
 - Note:** The sealing lips of the seals (1) must be inserted into the groove on the cylinder head cover.
 - Tightening torque **9 Nm**
 - Attach the ground cable
 - Tightening torque **9 Nm**
 - Attach the engine lifting eyes.
 - 2 bolts, 1 nut
 - Attach the engine breather hose.
 - Attach the fuel line bracket.
 - Tightening torque **8 Nm**



- 15.** Attach the ignition module.
- Tightening torque **9 Nm**
 - Attach and secure the wiring harness connector.

- 16.** Connect the fuel lines.
- 2 union nuts
 - Tightening torque **10 Nm**
 - 2 bolts
 - Tightening torque **9 Nm**
- 17.** Install the rear engine cover.
- Check the alignment.
 - 6 bolts, tightening torque **14 Nm**
- 18.** Close the rear engine cover.
- 19.** Connect the battery.

- 20.** Close the bonnet.
- 21.** Reprogram the volatile memories.