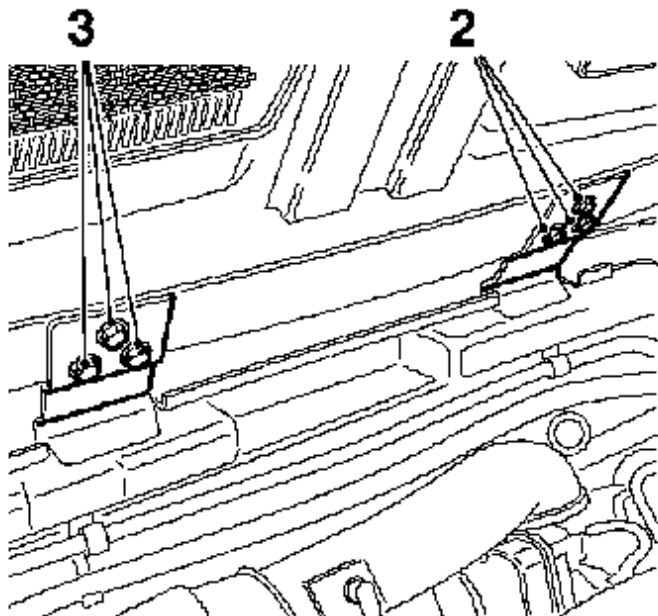
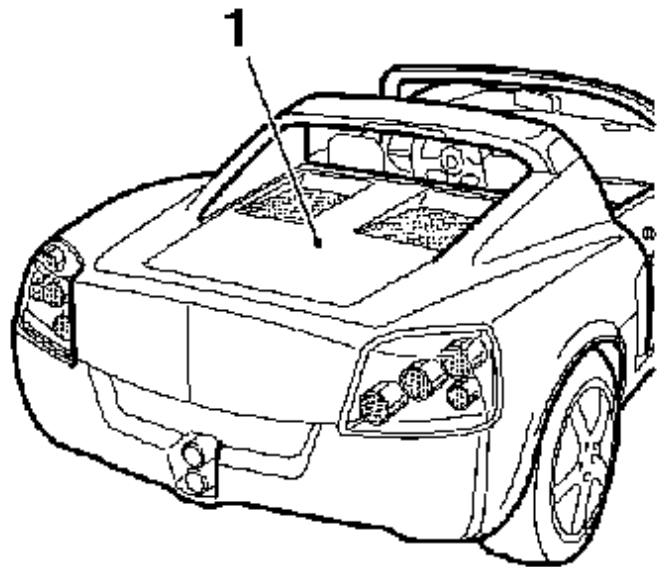


Coolant Pipe, Replace (Z 22 SE)



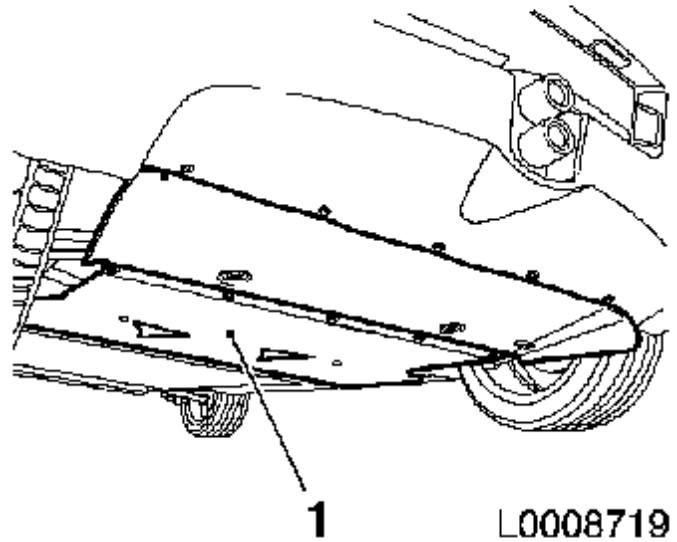
Remove

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

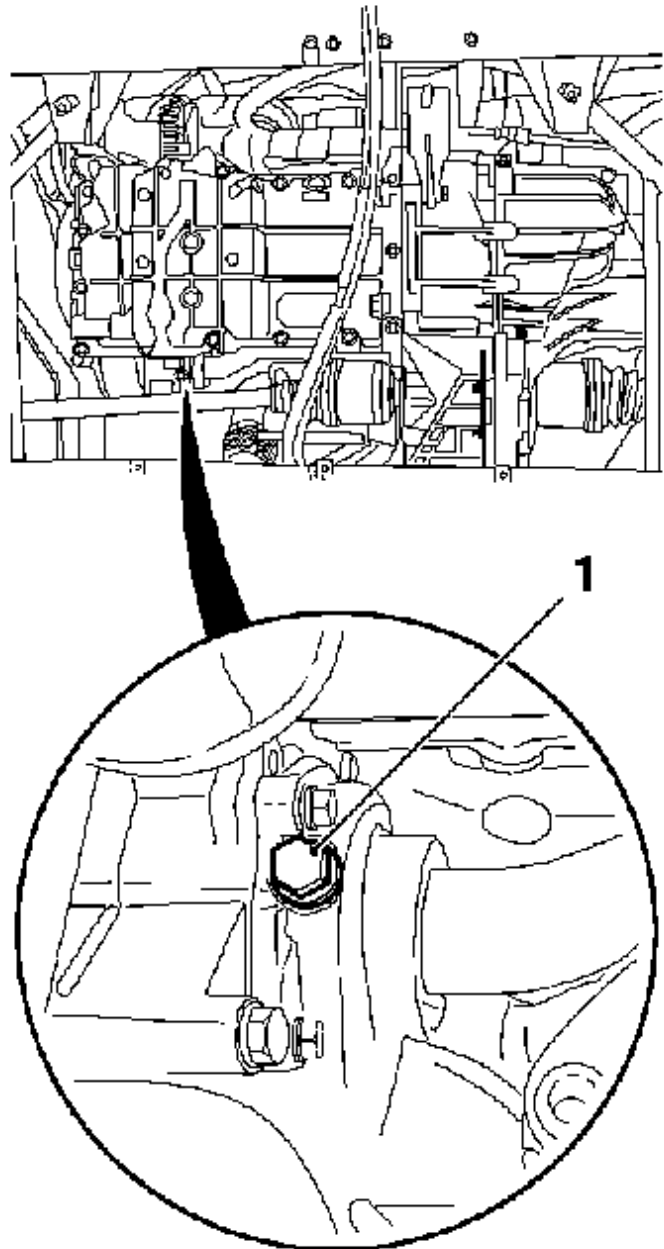


L0008715

5. Raise the lifting ramp.
6. Remove the lower engine splash shield (1).
 - 13 bolts

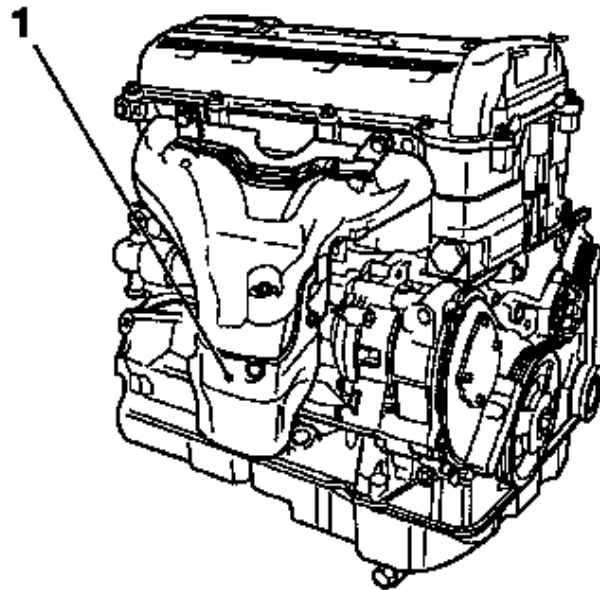


7. Place a drip tray underneath.
8. Drain the coolant.
 - Open the coolant drain plug at the radiator and the coolant pump (1).
 - Tighten the coolant drain plugs.
 - Tightening torque **20 Nm**
9. Lower the lifting ramp.



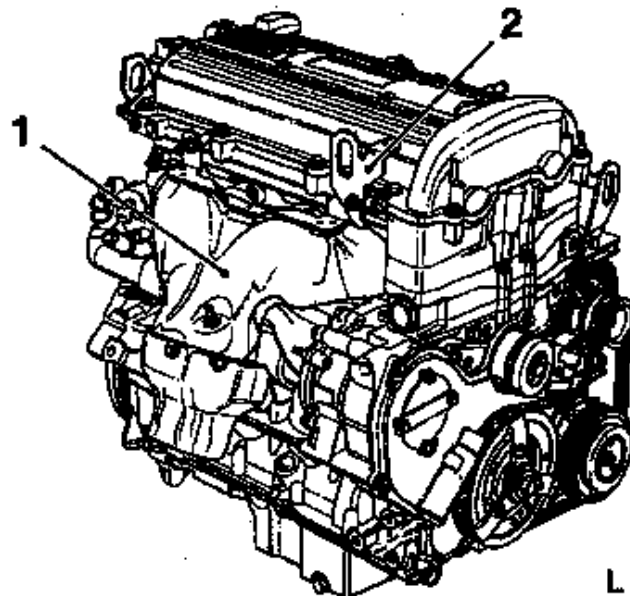
L0008724

10. Detach the lower heat shield (1).
- 3 bolts



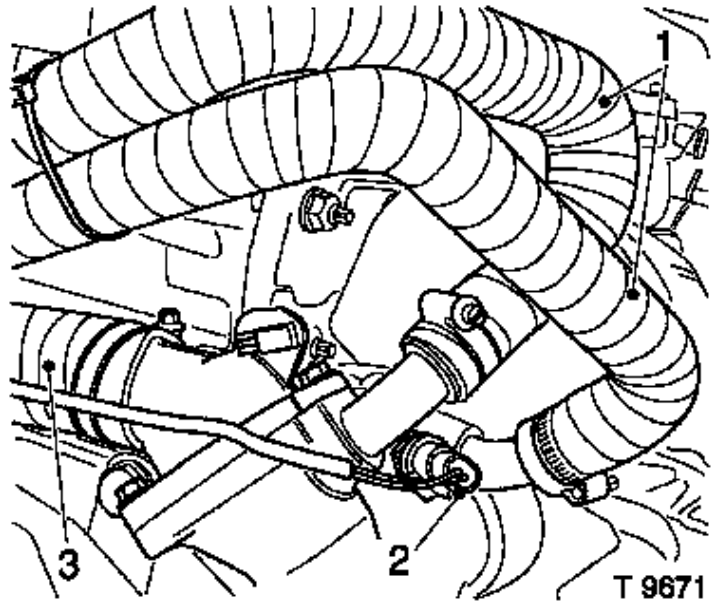
L 3920

11. Remove the upper heat shield (1).
- Detach the engine lifting eye (2).
 - 1 nut
 - 3 studs

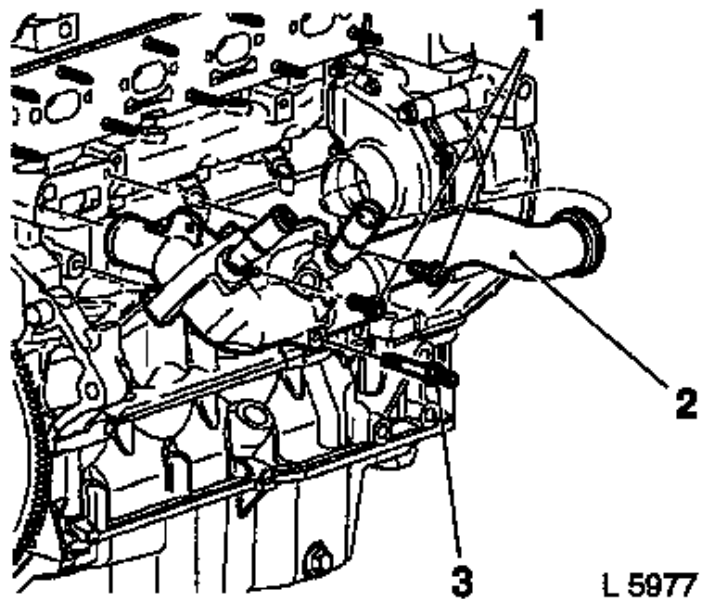


L 5975

12. Detach the coolant hoses.
- 3 off – (1) and (3)
13. Detach the coolant temperature sensor wiring harness (2).
14. Detach the lambda probe wiring harness.
- 1 clip



15. Remove the thermostat housing.
 - 1 stud (3), 2 bolts (1)
 - Lift out to the top with coolant pipe (2).
16. Detach the coolant pipe.



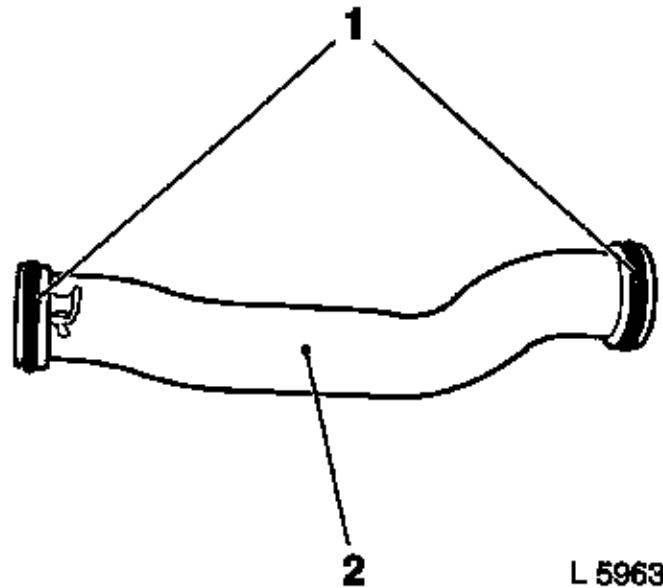
Install

17. Attach the coolant pipe (2).

Note: The lug on the coolant pipe engages in the cut-out on the thermostat housing.

 - Use new seals (1).
 - Coat the oil seals with silicone grease (white).
18. Clean the sealing surfaces.
 - Cylinder block, thermostat housing

19. Install the thermostat housing.
- Use a new oil seal.
 - Insert with the coolant pipe.
 - Tightening torque **9 Nm**
 - Attach the clip.



20. Attach the lambda probe wiring harness.
- 1 clip
21. Attach the coolant temperature sensor wiring harness connector.
22. Connect the coolant hoses.
- 3 off
23. Install the upper heat shield.
- 3 studs
 - Attach the engine lifting eye.
 - 1 nut
 - Tightening torque **23 Nm**
24. Attach the lower heat shield.
- 3 bolts
 - Tightening torque **10 Nm**
25. Fill up with coolant and correct as required.
26. Install the rear engine cover.
- Check the alignment.
 - 6 bolts
27. Close the rear engine cover.
28. Raise the lifting ramp.
29. Attach the lower engine splash shield.
- 13 bolts
30. Lower the lifting ramp.
31. Connect the battery.
32. Close the bonnet.
33. Reprogram the volatile memories.