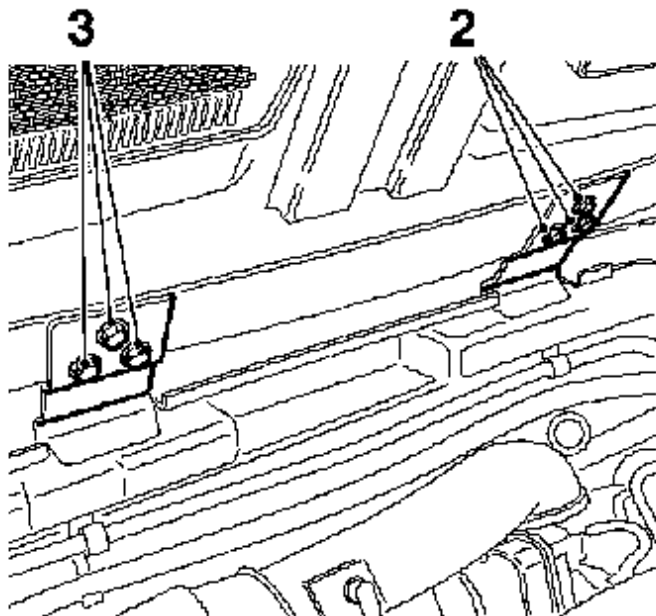
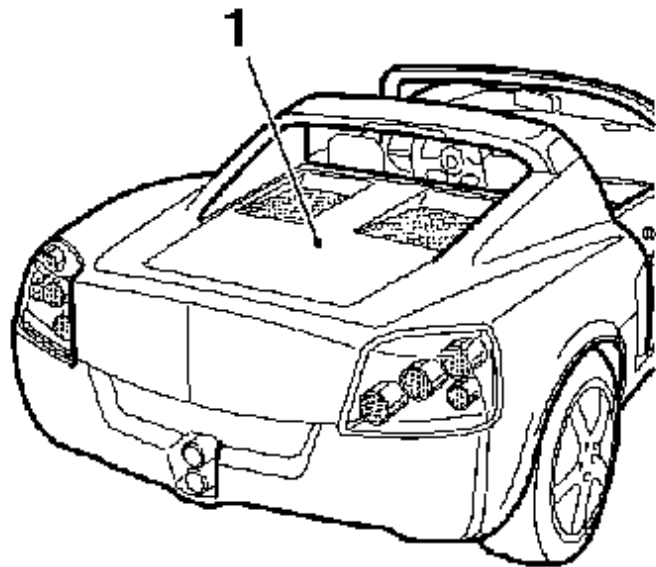


Crankshaft Oil Seal, Front, Replace (Z 22 SE)



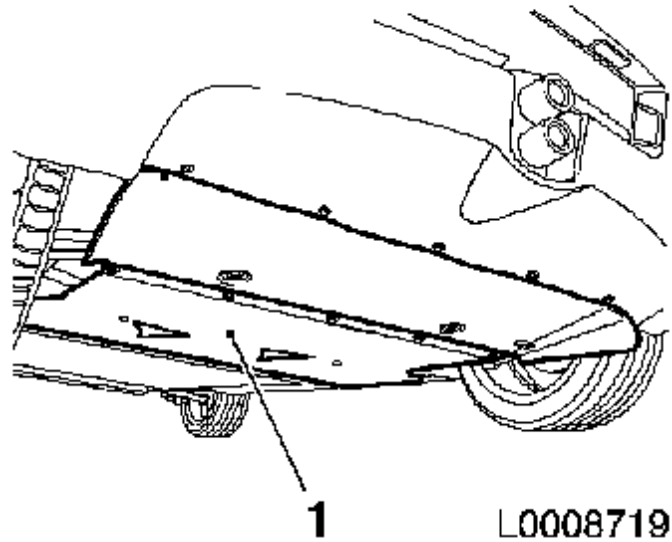
Remove

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



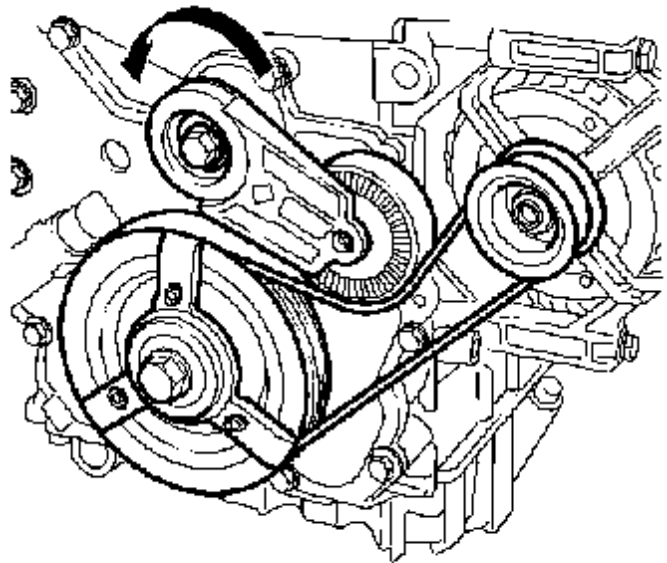
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5. Raise the lifting ramp.
6. Remove the lower engine splash shield (1).
 - 13 bolts



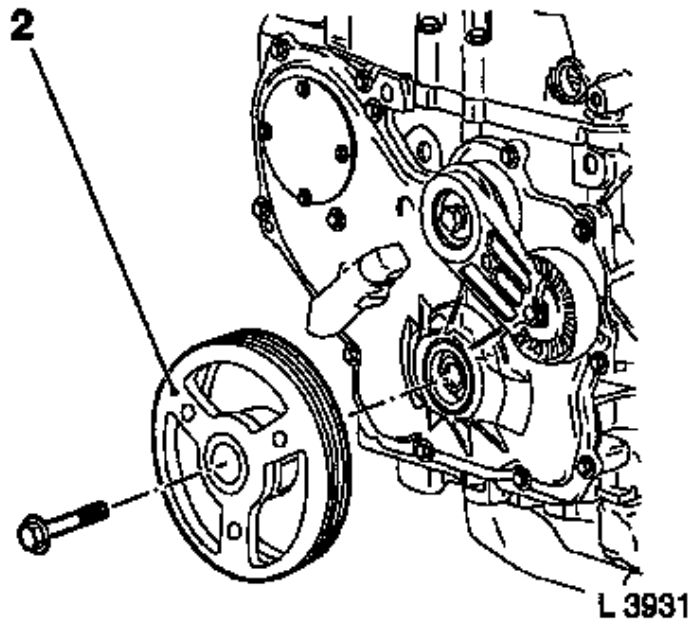
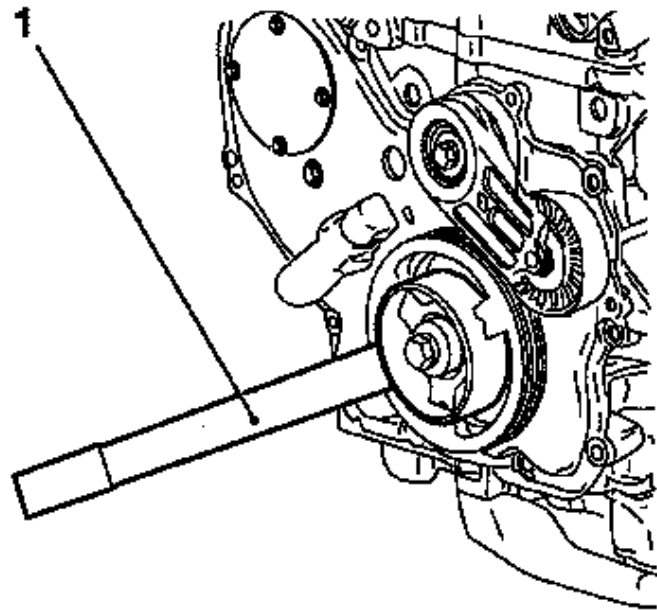
7. Remove the ribbed V-belt.

- Mark the running direction of the ribbed V-belt.
- Tension the ribbed V-belt tensioner in the direction of the arrow with **KM-6151**.
 - Take out the ribbed V-belt.



8. Detach the rotational vibration damper (2).

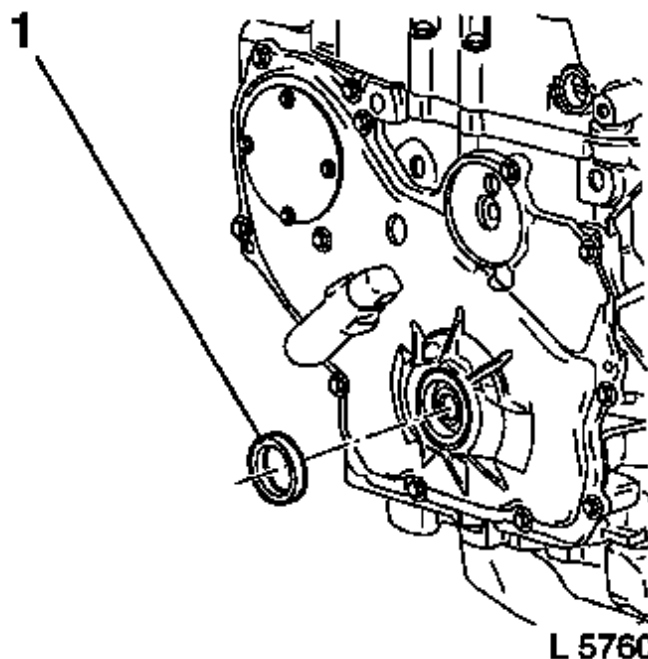
- Use holding adapter **KM-J-38122-A** in conjunction with **KM-956-1** (1) to hold.



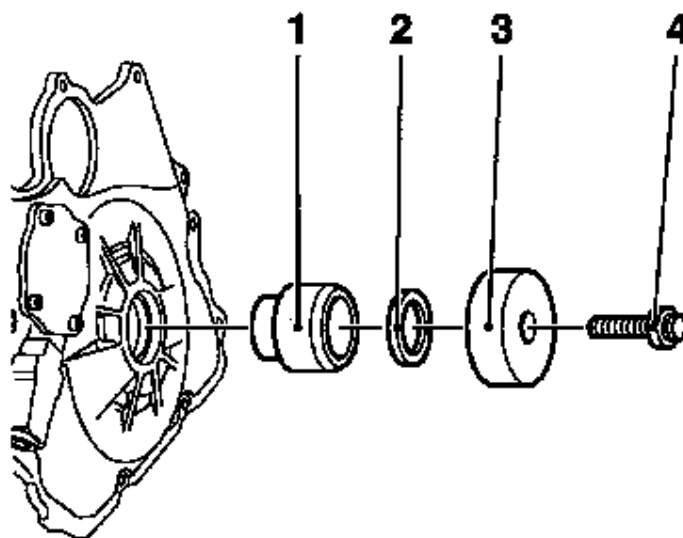
9. Remove the oil seal (1).
- Use a suitable tool to remove the oil seal.

Warning: Do not damage the sealing surfaces.

10. Clean the sealing surfaces.

**Install****11. Install the oil seal (2).**

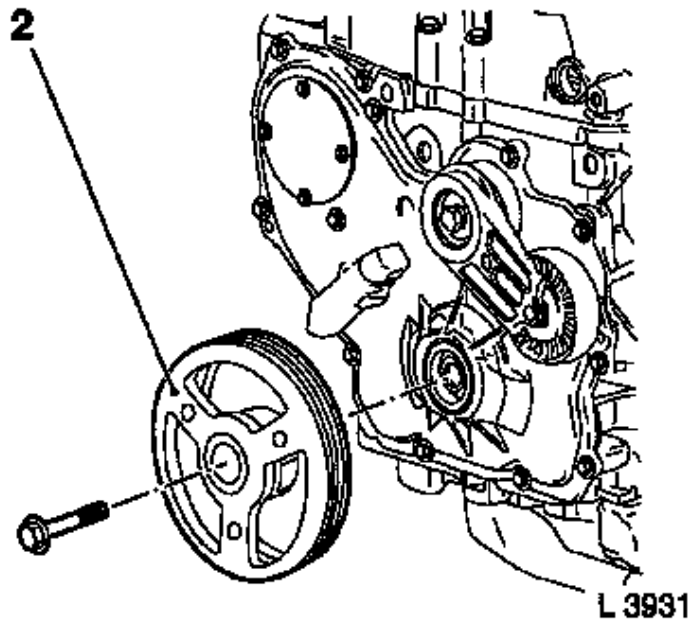
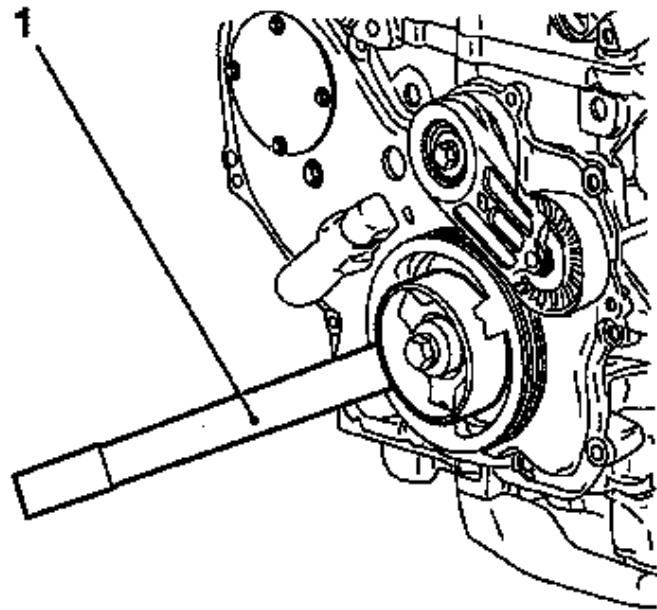
- Slide protective sleeve (1) from **KM-6105** (3) onto the connecting rod journal.
 - Coat the sealing lips with silicone grease (white).
 - Slide the oil seal over the protective sleeve onto the connecting rod journal.
 - Use **KM-6105** to press the oil seal into the timing case.
 - Use bolt (4) of the rotational vibration damper.
 - Take out **KM-6105**.



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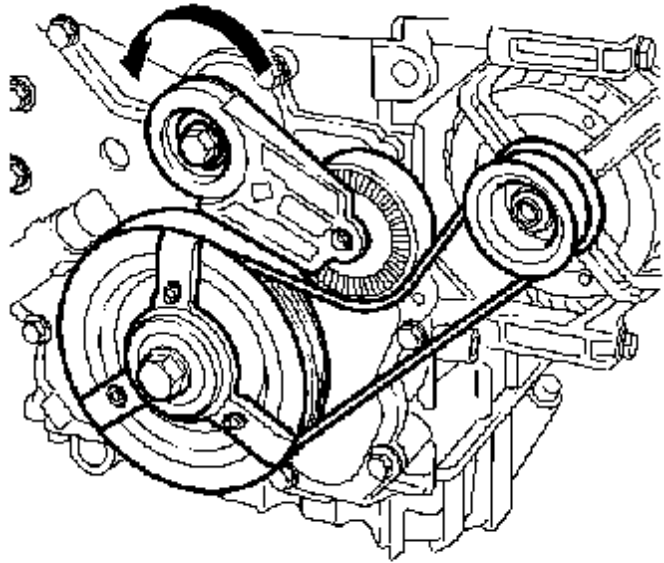
12. Attach the rotational vibration damper (2).

- Use holding adapter **KM-J-38122-A** in conjunction with **KM-956-1** (1) to hold.
- Use a new bolt.
 - Tightening torque **100 Nm + 75° + 15°**



13. Install the ribbed V-belt.
 - Lay the ribbed V-belt in place.
Note: Note the running direction and installation position of the ribbed V-belt.
 - Tension the ribbed V-belt tensioner in the direction of the arrow with **KM-6151**.
14. Install the lower engine splash shield
15. Lower the lifting ramp.
16. Install the engine cover.
 - Check the alignment.
 - 6 bolts, tightening torque **14 Nm**

17. Close the engine cover.
18. Connect the battery.
19. Close the bonnet.
20. Reprogram the volatile memories.



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