

## OIL FILTER

Service repair no - 12.60.04

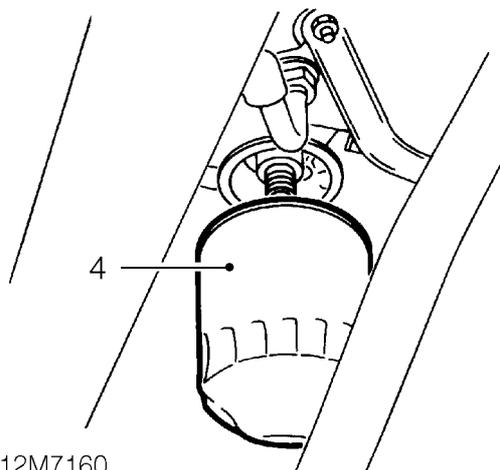
### Remove

1. Raise front of vehicle.



**WARNING: Support on safety stands.**

2. Remove engine acoustic cover (if applicable). *See CHASSIS AND BODY, Repair.*
3. Position drain tray to catch spillage.



4. Remove oil filter cartridge.

### Refit

5. Clean mating face of oil pump.
6. Lubricate oil filter seal with clean engine oil.
7. Fit oil filter and tighten until rubber seal contacts machined face. Tighten a further half turn by hand.



**CAUTION: DO NOT overtighten oil filter.**

8. Run engine to allow oil to fill filter.
9. Stop engine, check and top up oil level. *See LUBRICANTS, FLUIDS AND CAPACITIES, Information.*
10. Fit engine acoustic cover (if applicable). *See CHASSIS AND BODY, Repair.*
11. Remove stand(s) and lower vehicle.

## OIL COOLER

Service repair no - 12.60.68

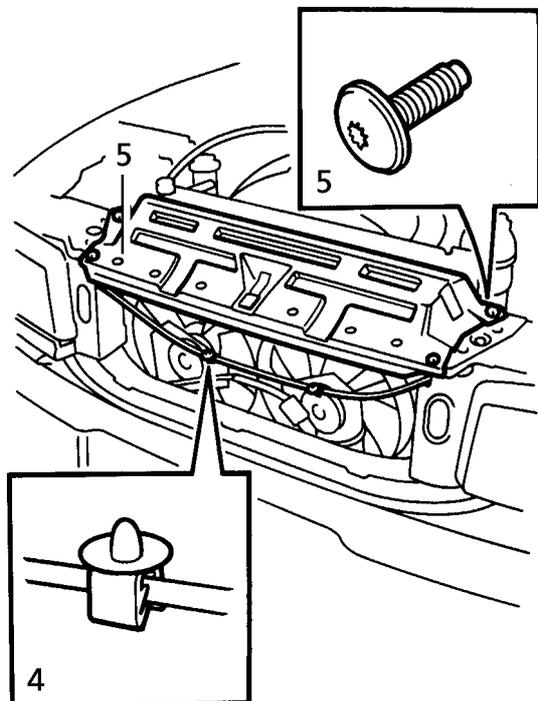
### Remove

1. Disconnect battery negative lead.
2. Raise the vehicle.

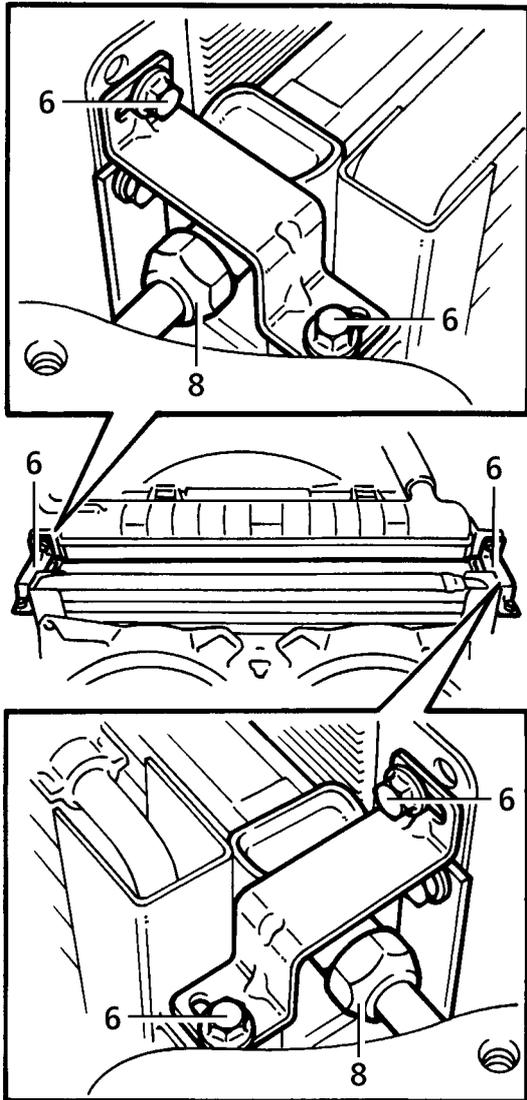


**WARNING: Support on safety stands.**

3. Remove front grille. *See CHASSIS AND BODY, Repair.*
4. Release 2 clips securing bonnet release cable to bonnet platform.



5. Remove 4 bolts securing bonnet platform. Remove platform.
6. Remove 4 bolts from condenser mounting brackets. Collect 2 brackets.



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7. Position container to catch oil spillage.
8. Disconnect pipes from oil cooler. Remove 'O' rings and discard.
9. Remove 2 bolts securing oil cooler to radiator bracket.
10. Remove oil cooler.

**Refit**

11. Position oil cooler to radiator bracket. Secure with bolts.
12. Using new 'O' rings, connect pipes to oil cooler. Tighten unions to **30 Nm (22 lbf.ft)**
13. Remove container.
14. Position condenser brackets. Secure with bolts.
15. Fit bonnet platform. Secure with bolts.
16. Secure release cable to bonnet platform with clips.
17. Fit front grille. **See CHASSIS AND BODY, Repair.**
18. Remove safety stands. Lower vehicle.
19. Reconnect battery negative lead.
20. Check engine oil level. Top-up if necessary.