

ENGINE

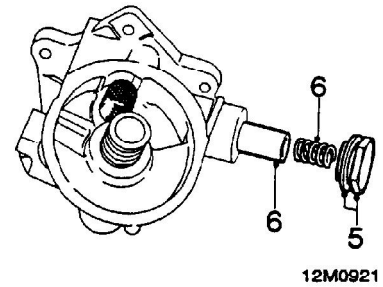
Oil cooler adapter - refit

1. Thoroughly clean adapter.
2. Lubricate a new sealing ring with engine oil, fit adapter, ensuring marks previously made line up, fit and tighten centre screw.
3. Lubricate sealing ring of oil filter with engine oil.
4. Screw filter on to filter head until it seats then tighten a further half-turn.

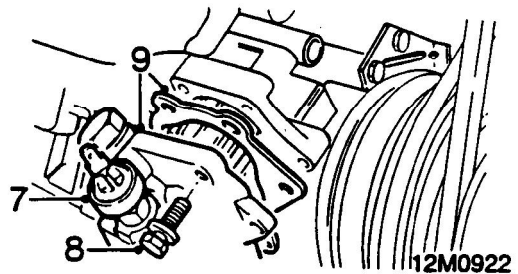
OIL PUMP - ENGINE NUMBERS WITHOUT SUFFIX B

Oil pump - remove

1. Remove sump.
2. Remove distributor.
3. Remove timing cover.
4. Remove oil cooler adapter - if fitted.



5. Remove oil pressure relief valve plug, discard sealing washer.
6. Withdraw pressure relief valve spring and valve.

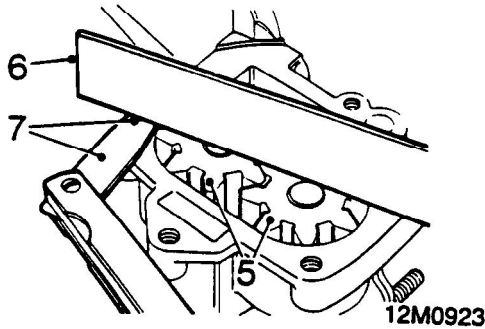


7. Remove oil pressure switch, discard sealing washer.
8. Remove bolts securing oil pump cover.
9. Remove cover, remove and discard gasket.
10. Withdraw oil pump gears.



Oil pump - inspection

1. Thoroughly clean oil pump gear housing, cover and gears.
2. Clean oil pressure relief valve bore in housing.
3. Clean relief valve filter screen.
4. Inspect pump gears for wear and scoring.



5. Fit pump gears into housing.
6. Place straight edge across gears.
7. Check clearance between straight edge and cover face.
Gear to cover face minimum clearance = 0.05 mm (0.002 in).
If clearance is below minimum specified check gear recess in housing for wear. Renew housing if necessary.
8. Remove oil pump gears from housing.
9. Clean oil pressure relief valve and spring.
10. Inspect relief valve for wear and scoring.
11. Inspect relief valve spring for wear or signs of collapse.
Relief spring free length = 81.28 mm (3.2 in)
12. Check relief valve slides freely in its bore with no perceptible side movement.

Oil pump - refit

1. Lubricate relief valve, spring, and bore in housing with clean engine oil.
2. Fit relief valve and valve spring.
3. Fit new sealing washer to plug, fit plug and tighten to 45 Nm (33 lbf.ft).
4. Pack oil pump housing with Petroleum Jelly.



CAUTION: Use only Petroleum Jelly, no other grease is suitable.

5. Fit oil pump gears ensuring that Petroleum Jelly is forced into every cavity between teeth of gears.



CAUTION: Unless pump is fully packed with Petroleum Jelly it may not prime itself when the engine is started.

6. Fit new pump cover gasket, dry.
7. Position cover, fit bolts and tighten progressively to 12 Nm (9 lbf.ft).
8. Fit oil cooler adapter.
9. Fit timing cover.
10. Fit distributor.
11. Fit sump.