

# ENGINE

---

## Oil pump - refit

---

1. Lubricate rotors, oil pump drive gear, cover plate and housing with engine oil.
2. Assemble rotors and drive gear in housing ensuring that reference marks are aligned.
3. Position cover plate to housing.
4. Apply sealant, Part number STC 50552 to threads of cover plate screws and bolt.
5. Fit cover plate screws and bolt and tighten to:-  
Screws - 4 Nm (3 lbf.ft)  
Bolt - 8 Nm (6 lbf.ft)
6. Fit timing cover.

## Oil pressure by-pass valve - refit

---

1. Lubricate new 'O' ring with engine oil and fit to by-pass valve plug.
2. Lubricate by-pass valve spring, plunger and plunger bore with engine oil.
3. Assemble plunger to by-pass valve spring, insert plunger and spring into bore.
4. Fit by-pass valve plug, depress plug and fit circlip.
5. Ensure circlip is fully seated in groove.