

## 18–210 Removal and installation of oil pump

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Tightening torques	Nm
Sprocket to oil pump	30
Oil pump to timing housing cover	25

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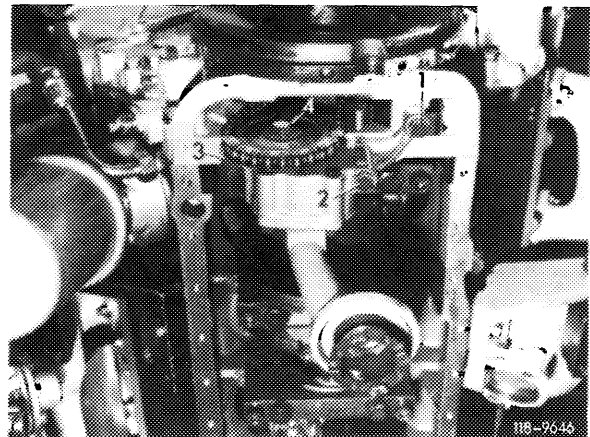
### Removal

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- 1 Remove oil pan lower half.

**Note:** On engines with a one-piece oil pan, remove oil pan as a complete unit (03–210).

- 2 Compensating weight of 1st crankpin horizontal.
- 3 Unscrew screws (1, 2 and 3).
- 4 Loosen screw (4) on sprocket, tilt oil pump to the rear and remove screw.

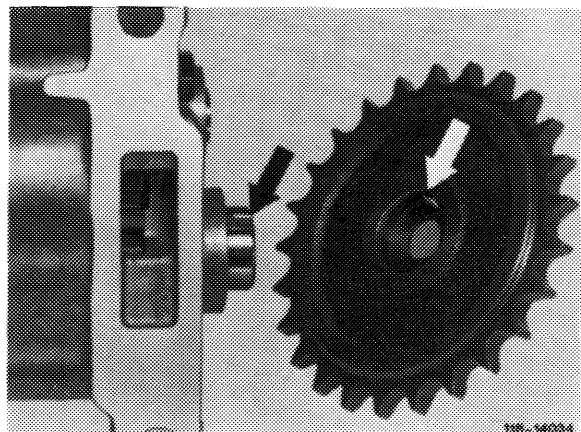


- 5 Force sprocket from oil pump by means of a screw driver.
- 6 Lift sprocket from chain.

### Installation

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- 7 Attach sprocket to chain.
- 8 Push oil pump on sprocket. The clamping sleeve in sprocket should enter cutout of drive shaft (arrows).

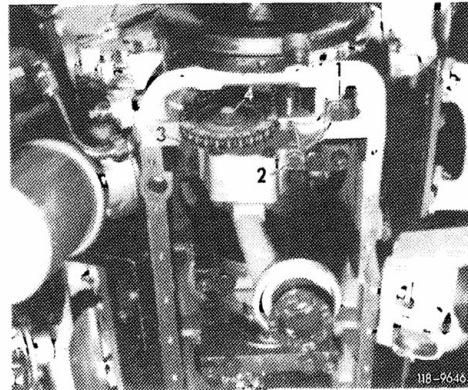


9 Tilt oil pump to the rear, position screw (4) and tighten.

10 Screw-on oil pump.

**Attention!**

Lock tensioning spring of chain tensioner with a screw driver against rotation when tightening screw (1).



11 Mount oil pan.

12 Fill-in engine oil.

13 Start engine. Check oil pressure and for leaks.

**Note:** When changing oil pump, make sure of uniform number of teeth of drive sprocket. If the tensioning clamp must be renewed, remove timing housing cover (01-210).