



Install right-hand camshaft chain and sprocket.
 Place the chain on the camshaft sprocket, with the pins on the sprocket between the two rollers on the chain.
 Place the chain on the crankshaft sprocket, with the pins on the chain between the marks on the sprocket.
 Stretch the chain on the pulling the roller against the timing chain tensioner.
 Install the camshaft sprocket. Make sure that the sprocket fits in the groove in the camshaft. If necessary, rotate the camshaft slightly.
 Install the sprocket.

Tighten both camshaft cover bolts.
 Tighten to a torque of 20-30 Nm (15-22 ft. lbs.). Use a torque wrench as a precaution, allowing 10 percent leeway on the specified minimum torque.

Turn crank 1.80 turn clockwise

Turn chain tensioner

Turn the crankshaft round twice.
 Remove the crankshaft cap.

Check: The key in the crankshaft pinion gear assembly is secured by three locking pins of the pinion.

Before the crankshaft key is removed the marks for the pinion and sprocket are not correctly in synchronizing the key. The crankshaft is then rotated clockwise until the key is in position.

Install chain and sprocket for oil pump

Apply locking fluid (P/N: 1-60-10002-00) to the keys.

Volvo B10m Engine Technical Manual

Nigel Calder



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