



**Haynes**  
shows you how

**BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual**

## 13 Oil seals - replacement

1 To replace the crankshaft front oil seal, remove the crankshaft vibration damper (see [Section 5](#) ). To replace the crankshaft rear oil seal, remove the flywheel/driveplate (see [Section 14](#) ). While the flywheel/driveplate is off, this is a good time to check the clutch on manual transmission vehicles (see [Chapter 8](#) ).

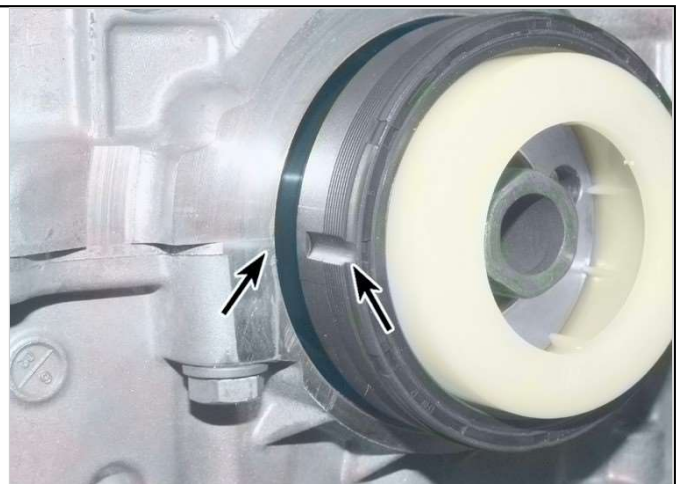
2 Carefully pry the oil seal from the cylinder block using a flat-bladed screwdriver or similar tool. Take great care not to damage the sealing surface of the crankshaft or cylinder block. Alternatively, drill 2 small holes opposite each other in the hard outer surface of the seal, insert 2 self-tapping screws, and use a pair of pliers to pull the seal out.

3 Thoroughly clean the sealing surfaces of the crankshaft hub and cylinder block, then apply a light coating of clean engine oil to the sealing surface of the crankshaft hub.

4 Genuine BMW seal kits are supplied with a guide sleeve already installed in the seal with Loctite sealing compound (No 128357) and primer (No 171000).

5 Position the seal and guide sleeve on the crankshaft hub, aligning the slots in the outer circumference of the seal with the joint in the cylinder block (see illustration) .

**13.5 Align the slots in the seal with the joints in the cylinder block**



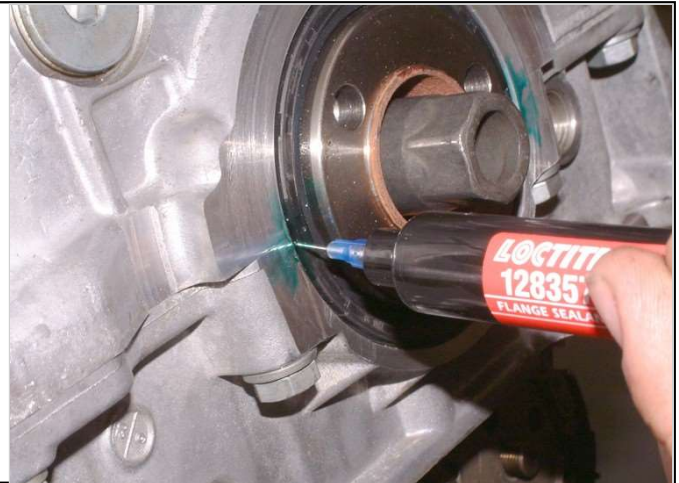
6 Using the brush provided, coat both slots on the seal outer surface with the Loctite primer supplied. Allow the primer to dry for at least one minute before proceeding.

7 Using a suitable socket or piece of pipe, drive the oil seal into place as squarely as possible, until its outer edge is flush.

8 Using the brush provided, force Loctite primer as far as possible into the slot on each side of the seal.

9 Using the syringe provided in the kit, inject Loctite sealing compound into the slot on each side of the seal, then coat the surface of the sealing compound with primer (see illustration) .

**13.9 Inject sealing compound into the slot on each side**



10 Install the crankshaft vibration damper (see [Section 5](#) ) or flywheel/driveplate (see [Section 14](#) ).