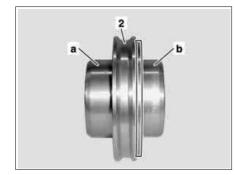


Sleeve

- 1 Deburr edge of mounting bore for crankshaft radial sealing ring at timing case cover.
- 2 Push the crankshaft radial sealing ring onto the side (a) of the sleeve (2).

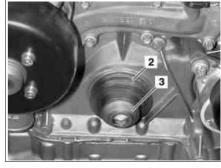
 i Circumference and sealing lip of crankshaft radial seal as well as the mating contact surface on the vibration damper must be free of oil and grease.



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- 3 Align groove of S sleeve (2) to the Woodruff key of the crankshaft.

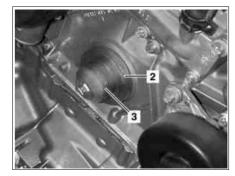
 i Turn to ensure that the slot in the S sleeve (2) is aligned with the Woodruff key in the crankshaft
- 5 S Draw in sleeve (2) with central bolt (3) as far as the stop.
- 6 S Detach sleeve (2).
 - (1) The crankshaft radial sealing ring must be positioned at right angles to the crank journal otherwise proper sealing is not assured.



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Shown on engine 112

- **i** Repair size 1 is identified by a 3 mm wide shoulder on the contact surface.
- 8 The stop of the
- 9 St Detach sleeve (2).



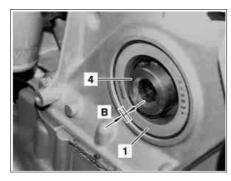
P03.20-2060-01

Shown on engine 112

- 10 Check installation location of the crankshaft radial sealing ring (1) to the crankpin (4).

 (1) The crankshaft radial sealing ring (1) must be positioned at right angles to the crank
 - The crankshaft radial sealing ring (1) must be positioned at right angles to the crank journal (4) otherwise proper sealing is not assured.
 - The installation depth (B) of the crankshaft radial sealing ring (1) is preset through the sleeve (2) and must not be altered subsequently.





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