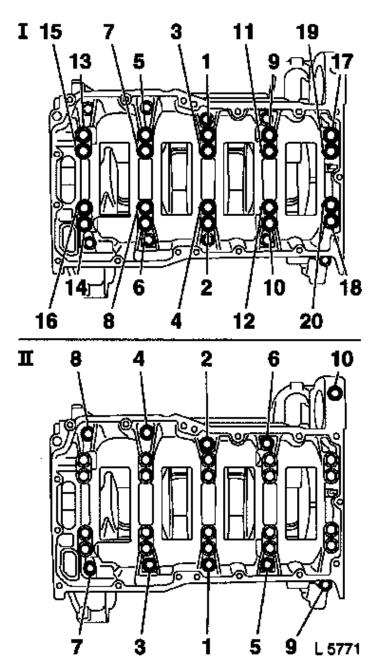
Crankshaft Bearing Clearance, Check, Measure with micrometer (Z 22 SE)



- Attach the cylinder block base plate.
 Note: Observe the tightening sequence.
 - Tighten all bolts loosely.
 - Tighten the M10 bolts tightening torque 20 Nm + 70° + 15°
 - Tighten the M8 bolts tightening torque
 23 Nm



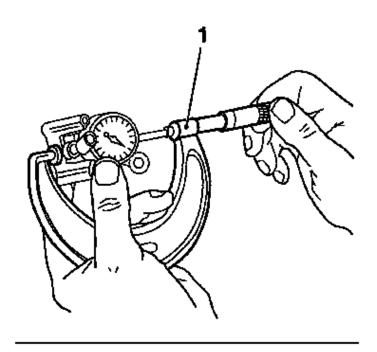
- 2. Fit the internal gauge and calibrate it with the micrometer (1).
 - 1 Measure the diameter of the crankshaft bearings at 3 points.
 - Use the inside micrometer to measure at the points I, II and III.
 - 2 Measure the diameter of the crankshaft bearings at 3 points.
 - Use the inside micrometer to

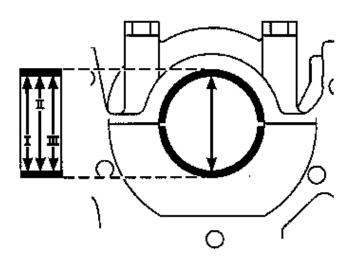
measure at the points I, II and III.

- 3 Measure the diameter of the crankshaft bearings at 3 points.
 - Use the inside micrometer to measure at the points I, II and III.
- 4 Measure the diameter of the crankshaft bearings at 3 points.
 - Use the inside micrometer to measure at the points I, II and III.

Calculate the mean value for the crankshaft bearing diameter.

• Formula: I + II + III / 3





L 6049

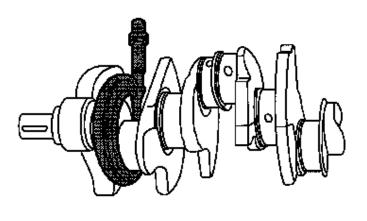
- Measure the crankshaft bearing journal diameter.
 - 1 Measure the crankshaft bearing journal diameter at 2 points.
 - Use a micrometer to measure at the points I and II.
 - 2 Measure the crankshaft bearing journal diameter at 2 points.
 - Use a micrometer to measure at the points I and II.
 - 3 Measure the crankshaft bearing journal diameter at 2 points.
 - Use a micrometer to measure at

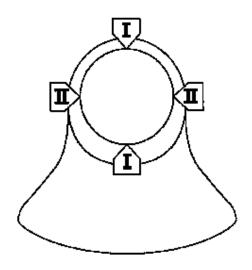
the points I and II.

- 4 Measure the crankshaft bearing journal diameter at 2 points.
 - Use a micrometer to measure at the points I and II.

Calculate the mean value for the crankshaft bearing journal diameter.

• Formula: I + II / 2





L 6050

- **4.** Determine the crankshaft bearing clearance.
 - Formula: Mean crankshaft bearing diameter mean crankshaft bearing journal diameter
- 5. Comparison between specified values and actual values
 - Permissible crankshaft bearing clearance: 0,007 0,014 mm