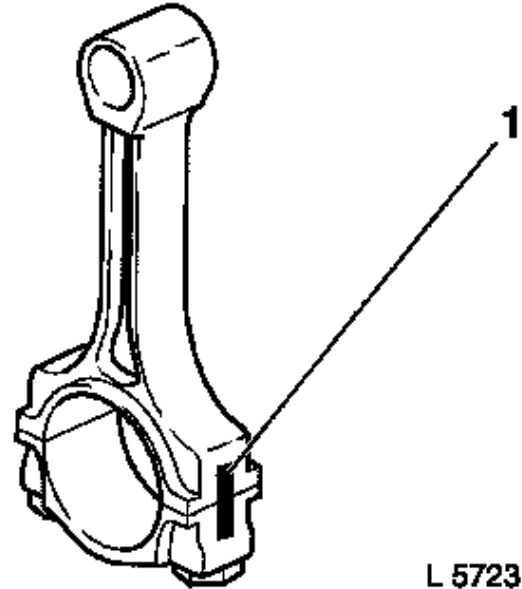


Big-end Bearing Clearance, Check, measure with Plastigage) (Z 22 SE)



Measure

1. Oil pan removed
Note: Oil pan removed – see operation "Oil Pan, Remove and Install".
2. Detach the big-end bearing caps.
 - Mark the installation position of the big-end bearing cap (1).
 - Grease the big-end bearing caps and coat the big-end bearing shells with engine oil.

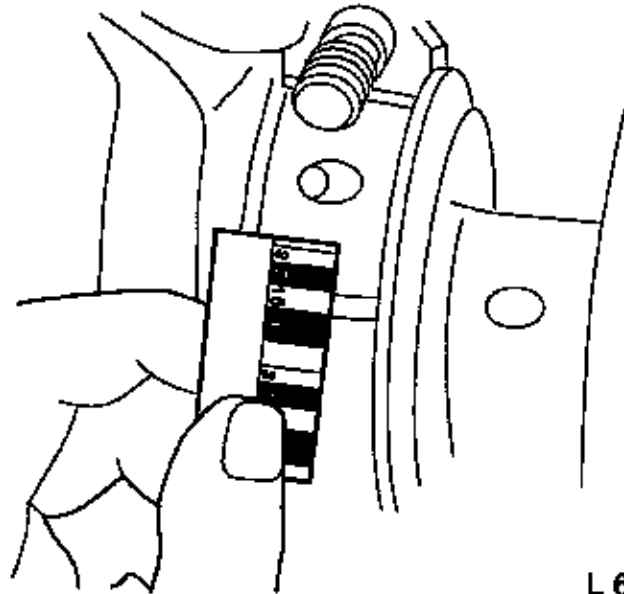


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3. Lay the Plastigage in place.
 - Lay Plastigage (mouldable plastic thread) across the entire width of the connecting rod bearing journal.

Warning: Do not rotate the crankshaft.

4. Note:
Plastigage is available via the "Opel/Vauxhall – Workshop Equipment" catalogue.
5. Attach the big-end bearing caps.
 - Tightening torque **25 Nm + 50° + 50° + 10°**
6. Detach the big-end bearing caps.
7. Measure the big-end bearing clearance.
 - Compare the width of the flattened plastic thread with the measuring scale.
Note: When reading off from the scale, do not confuse millimetres and inches.
 - Permissible connecting rod bearing clearance: 0,041 to 0,043 mm.



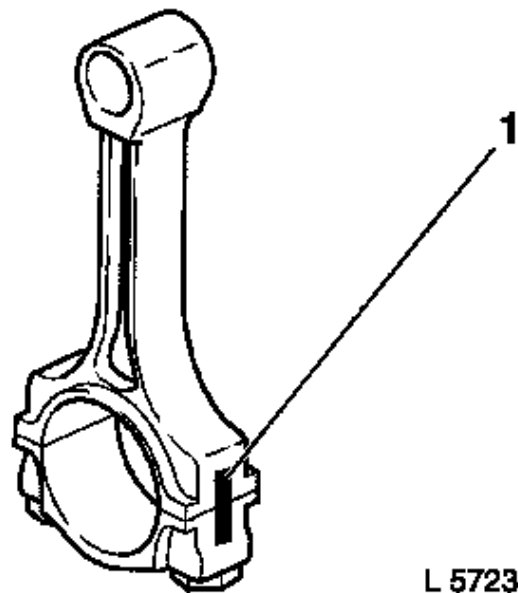
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8. Attach the big-end bearing caps.

- Coat the big-end bearing journals and the big-end bearing shells with engine oil.

Note: Note the applied markings (1).

- Use new bolts.
- Tightening torque **25 Nm + 50° + 50° + 10°**



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