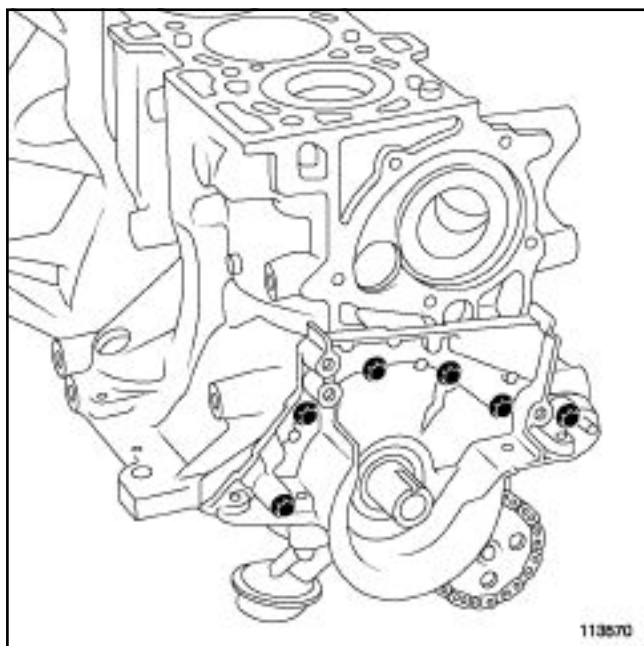


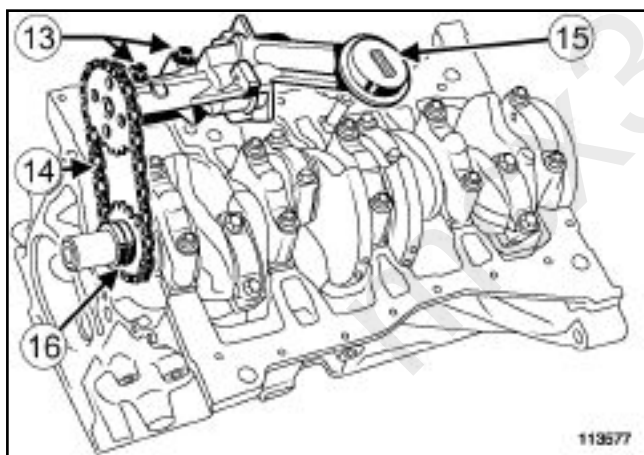
K9K, and 732 or 764



113570

Remove:

- the crankshaft nose closure panel mounting bolt,
- the crankshaft nose closure panel.



113577

Remove:

- the oil pump mounting bolts (**13**) ,
- the oil pump (**15**) ,
- the oil pump chain (**14**) ,
- the oil pump drive sprocket (**16**) .

I - RECOMMENDATIONS FOR REPAIR

IMPORTANT

Wear protective gloves during every operation.

WARNING

Do not use a punch or an etching tool to mark the con rod caps to match their bodies, to prevent incipient breakage of the con rod.

Use an indelible marker pen.

Note:

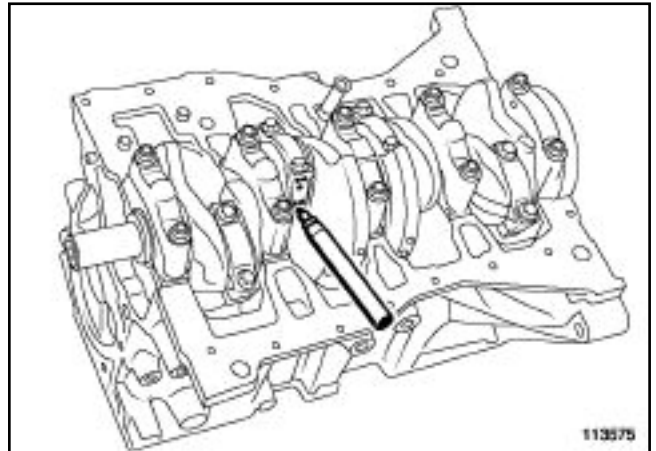
It is essential to mark:

- the position of the crankshaft bearings as the class may be different for each bearing,
- the height class of the pistons in relation to the cylinders,
- the gudgeon pin in relation to the piston.

II - EQUIPMENT REQUIRED

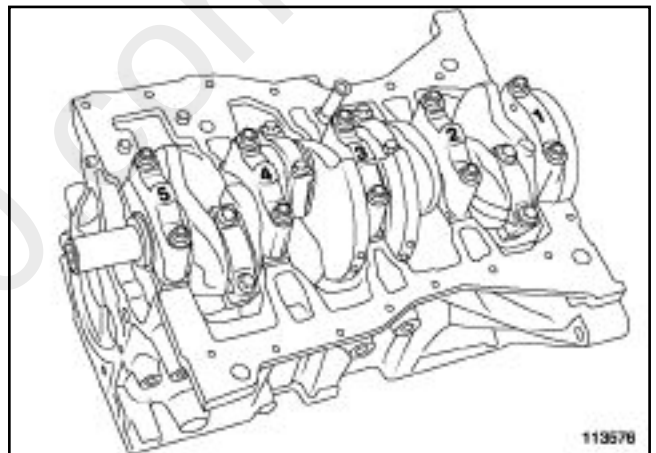
- Indelible pencil,
- Female torx socket.
- Mallet,
- Roll pin punch (**10 mm** in diameter).
- Male Allen key (**10 mm**),
- Piston ring compressor,
- Flat-blade screwdriver,

III - REMOVING THE ROTATING PARTS



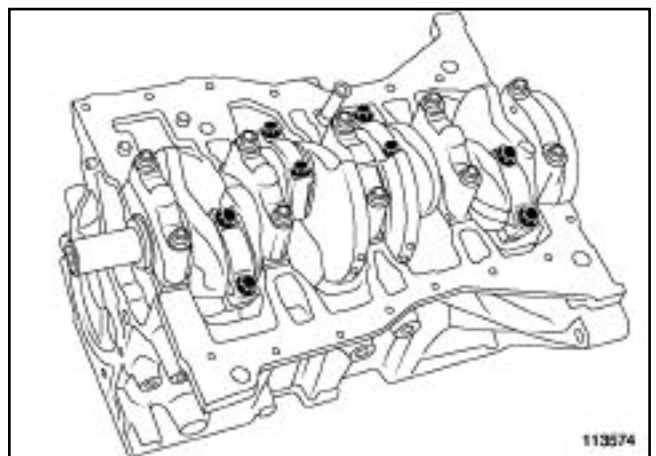
113575

Mark the con rod caps in relation to their bodies using an indelible pencil.



113576

Mark the crankshaft bearing caps (bearing No. 1 at the flywheel end) with an indelible pencil.

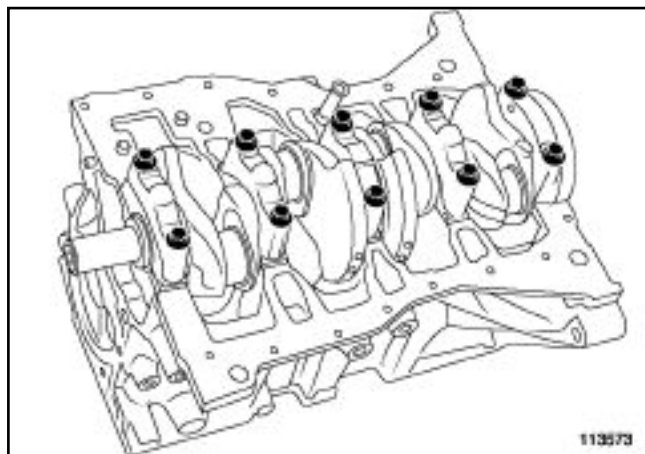


113574

Remove:

- the con rod cap mounting bolts.
- the con rod caps,

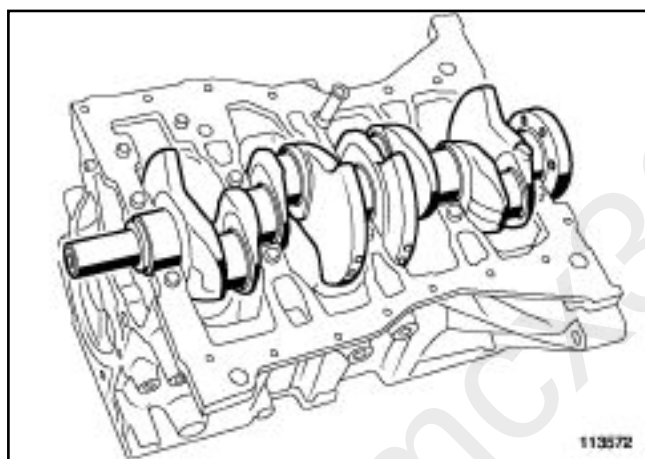
- the con rod-piston assemblies.



113573

Remove:

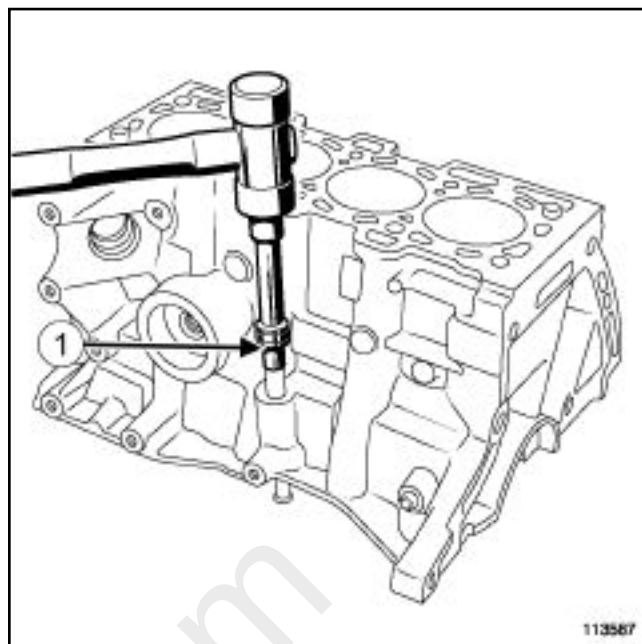
- the crankshaft bearing cap mounting bolts.
- the crankshaft bearing caps.



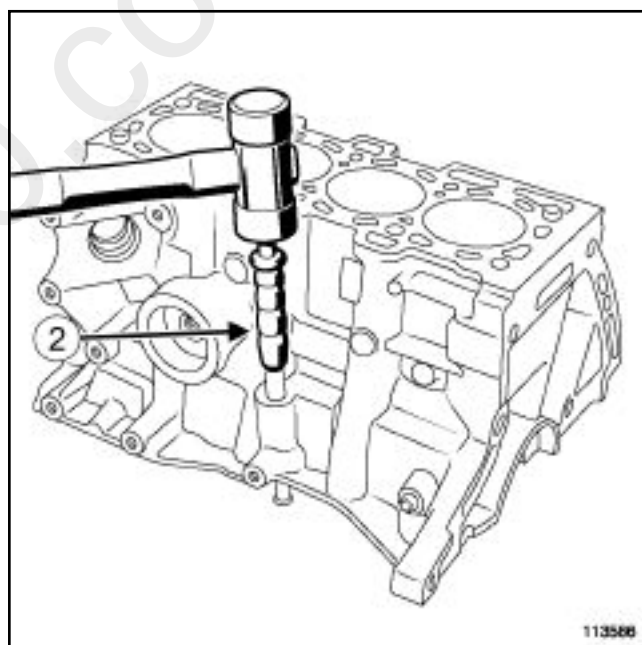
113572

Remove the crankshaft.

Remove the thrust washer from the crankshaft.



113587



113586

Remove the dipstick guide tube (if the cylinder block is fitted with one) using a **10mm (1)** Allen key or a **10mm (2)** pin punch.