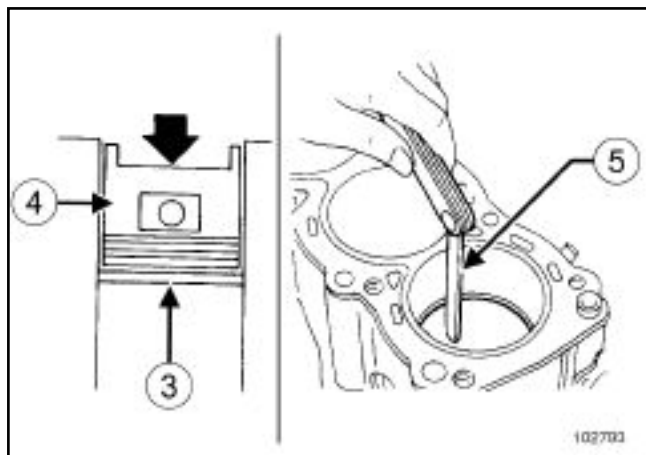


Lower engine: Check

14 - Checking clearance at the ring section



102793

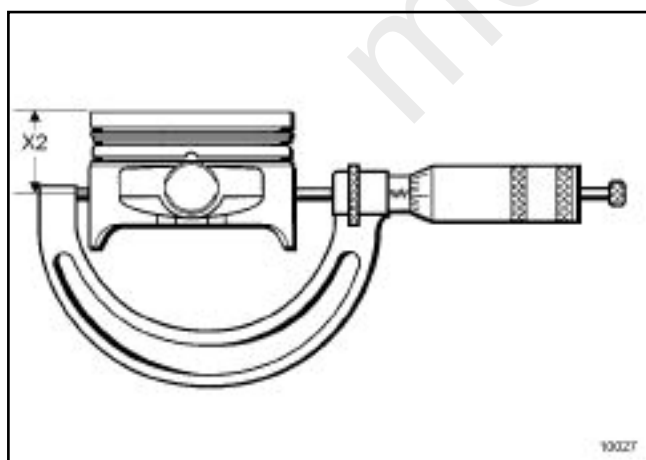
Position the ring (3) in the cylinder

Push the piston ring (3) to the centre of the cylinder using the piston (4) .

Measure the piston ring end clearance using a set of shims (5) .

- Compression ring end clearance must be **0.20 to 0.35 mm** ,
- Sealing ring end clearance must be **0.70 to 0.90 mm** .
- Oil control ring end clearance should be **0.25 to 0.50 mm** .

15 - Checking the piston diameter



10027

The piston diameter should be measured at height (X2) = **56 mm** .

The diameter of the piston must be:

- **75.949 ± 0.007 mm** for engines K9K 260-270-272-274-700-702-704-706-710-714-716-722-750-752-762-768-790-792,

- **75.945 ± 0.007 mm** for engines K9K 276-712-718-724-728-729-732-760-764-766.

16 - Checking the coolant pump

Check that there is no play nor resistance at the coolant pump.

Special tooling required

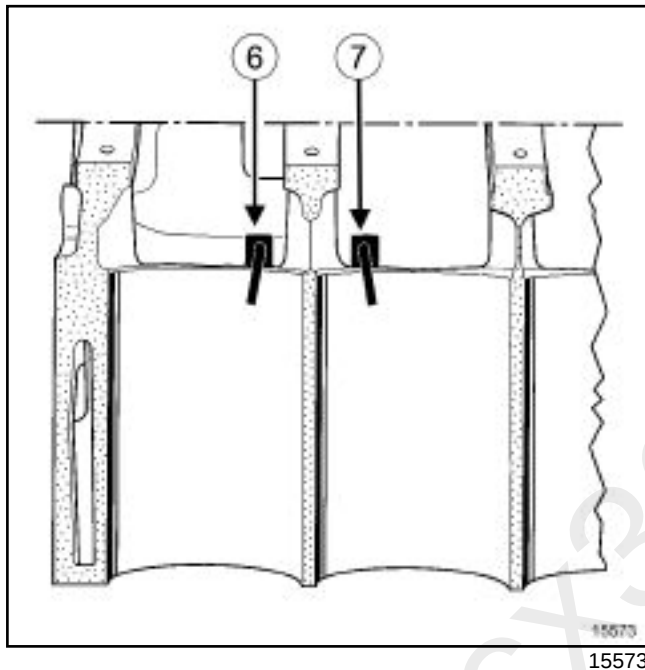
Mot. 1494

Tool for refitting piston coolers.

I - RECOMMENDATIONS FOR REPAIR

IMPORTANT

Wear protective gloves during every operation.



- (6) orientation of the piston base cooling jets for cylinders 2 and 4,
- (7) orientation of the piston base cooling jets for cylinders 1 and 3,

WARNING

Check the orientation of the base of the piston base cooling jet which should be aimed towards the centre of the cylinder.

II - PARTS AND CONSUMABLES FOR THE REPAIR

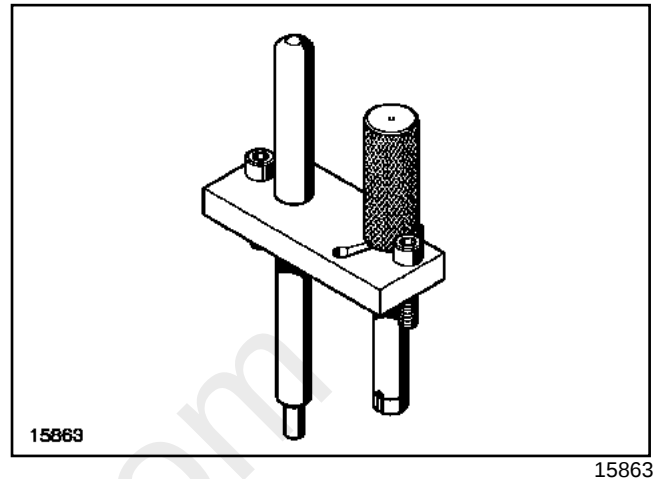
Parts always to be replaced

- the piston base cooling jets,

III - EQUIPMENT REQUIRED

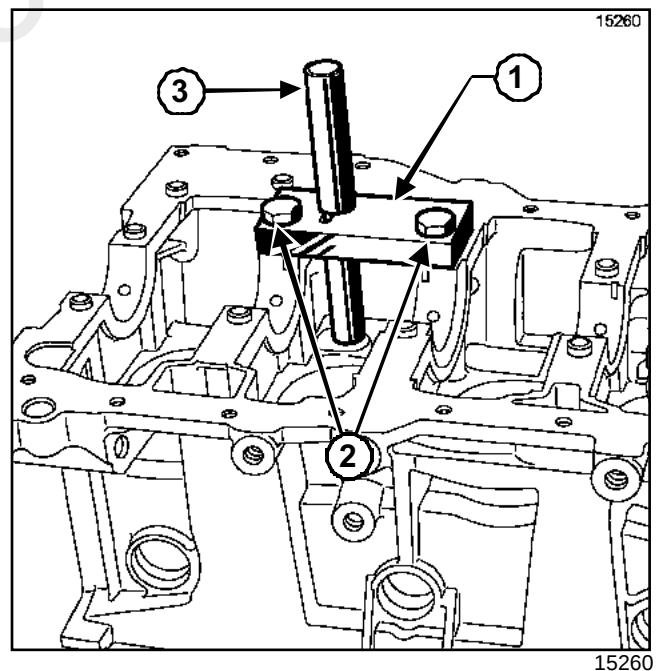
- A hammer.

IV - REFITTING THE PISTON BASE COOLING JETS



The piston base cooling jets must be replaced using the (Mot. 1494) .

1 - Fitting the jets for cylinders 1 and 3



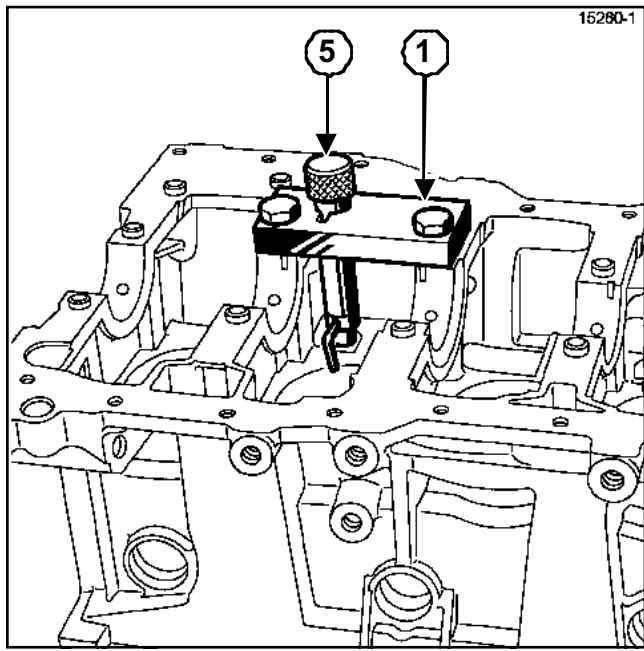
Position plate (1) of tool (Mot. 1494) on the cylinder block without tightening the two bolts (2) .

Place the guide rod (3) in the plate (1) .

Position the end of the guide rod in the hole of the piston base cooling jet to centre the plate (1) .

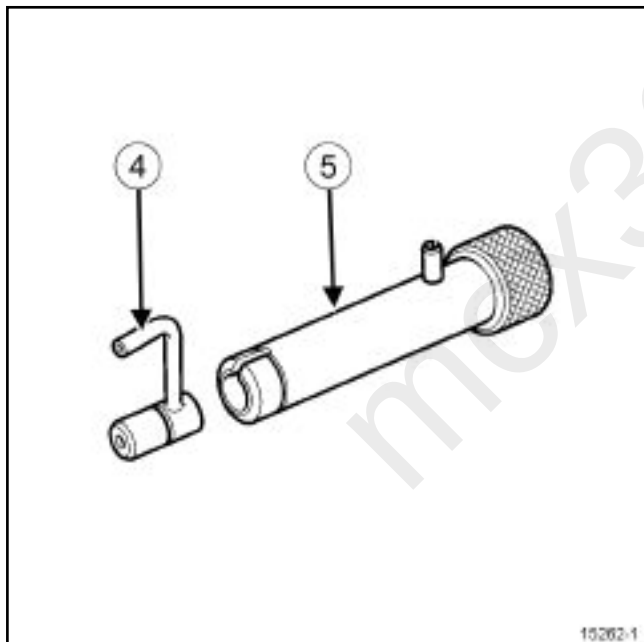
Lock the two bolts (2) .

Remove the guide rod.



15260-1

Insert the pushrod in place of the guide rod.

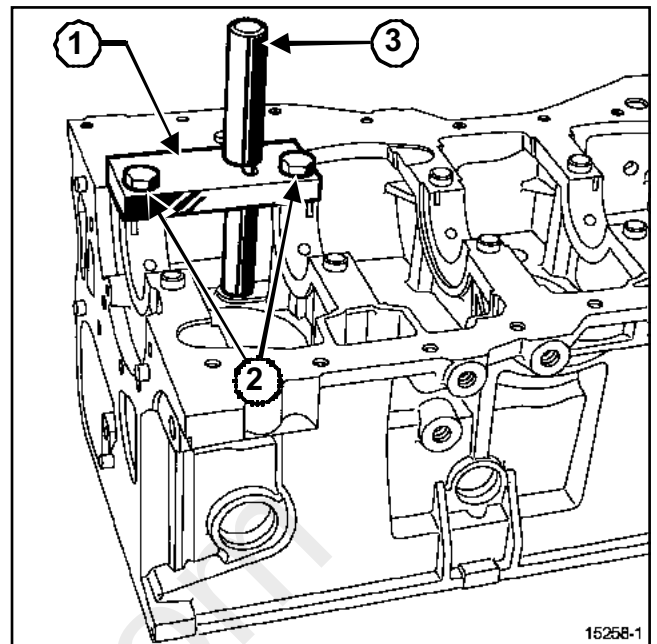


15262-1

Insert the jet (4) into the pushrod (5) .

Using a hammer, tap the pushrod down until the pushrod collar (5) is touching the plate (1) .

2 - Fitting the jets for cylinders 2 and 4



15258-1

15258-1

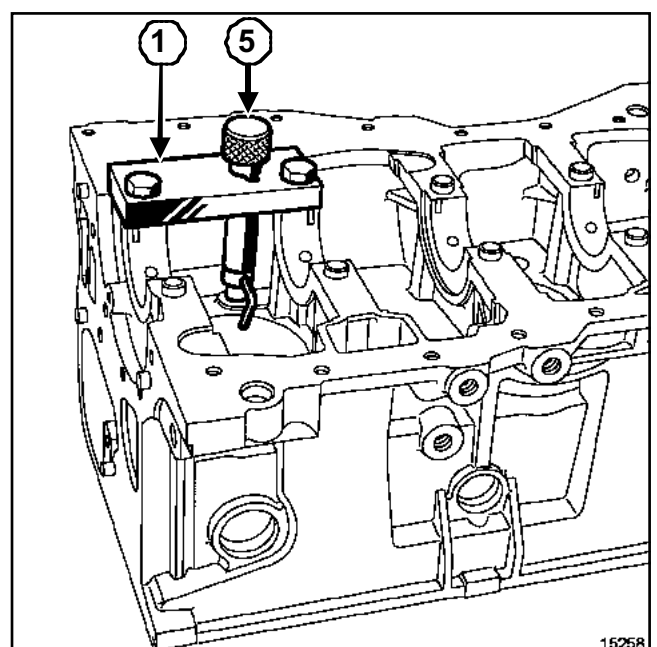
Position plate (1) of the **(Mot. 1494)** on the cylinder block without tightening the two bolts (2) .

Place the guide rod (3) in the plate (1) .

Position the end of the guide rod in the hole of the piston base cooling jet to centre the plate (1) .

Tighten the two bolts (2) .

Remove the guide rod.



15258

15258

Insert the pushrod in place of the guide rod.