

ENGINE AND LOWER ENGINE ASSEMBLY

Special tooling

10A

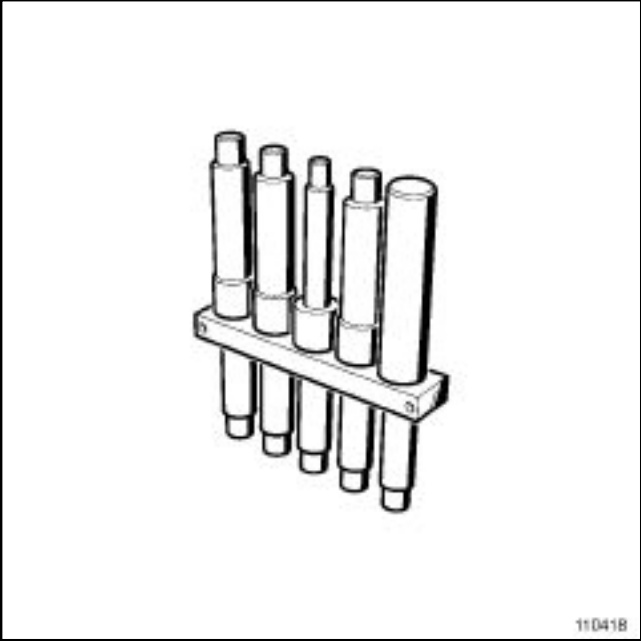
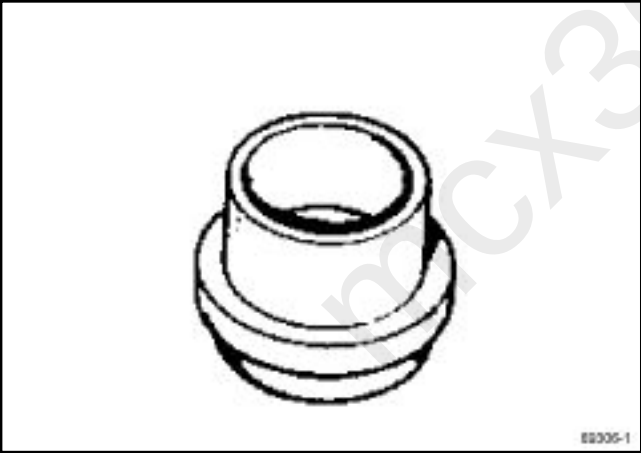
Illustration	Tool number	Tool part number	Description
 110418	Emb. 1780	77 11 381 780	Clutch centring device.
 69306-1	Rou. 15-01	00 01 331 601	Protective end piece.

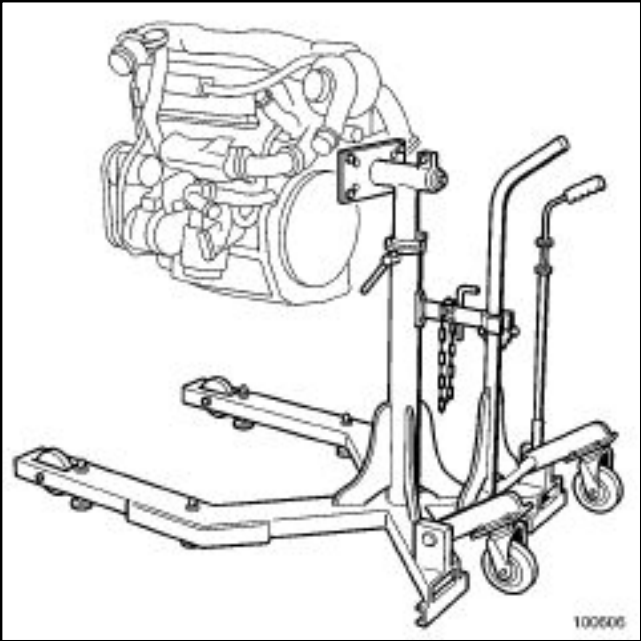
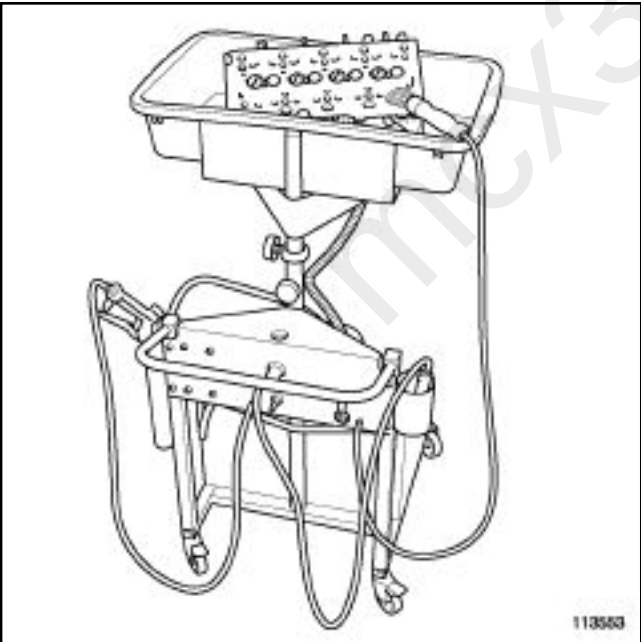
Illustration	Description
 100606	Engine stand.
 113553	Cleaning bench.

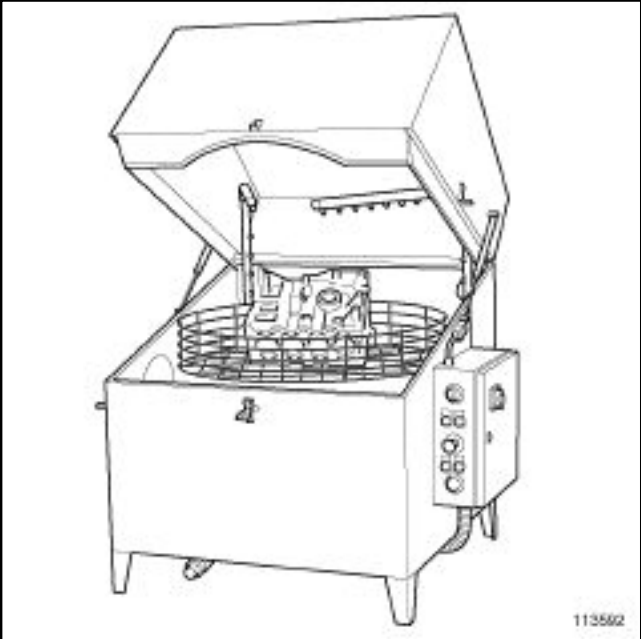
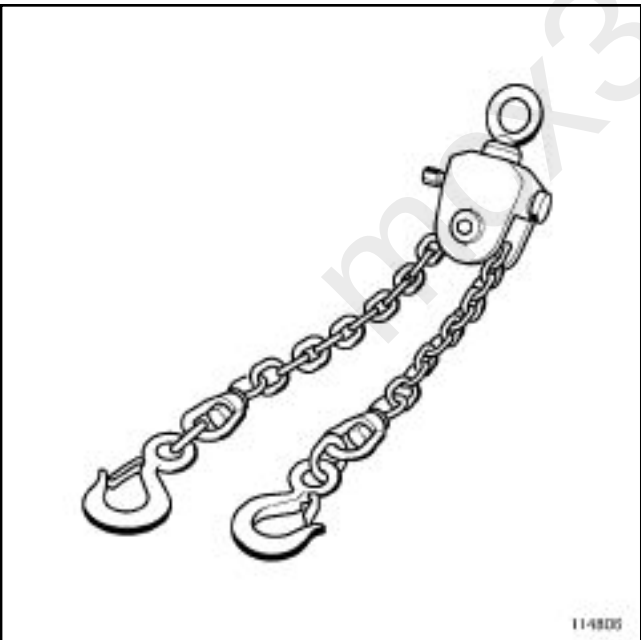
Illustration	Description
 113592	Cleaning fountain.
 114806	Portable crane. Load positioner.

Illustration	Description
 114792	Relieved thread kit.
 114790	Stud extractor kit.

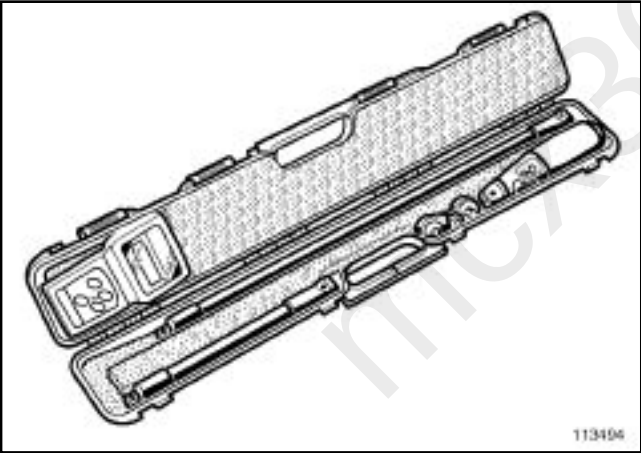
Illustration	Description
 114786	Bearing extractor kit.
 113494	Torque/angle torque wrench.

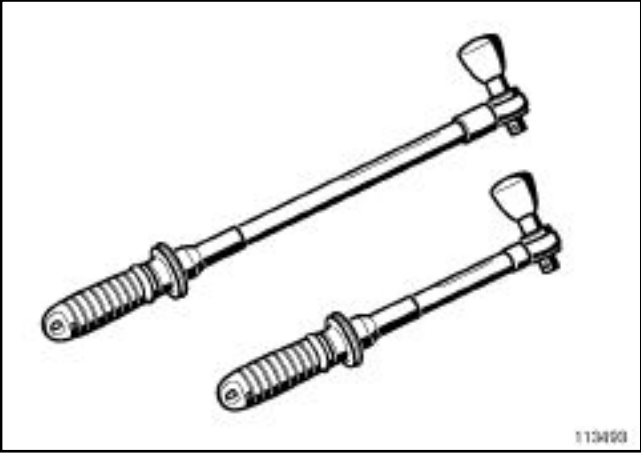
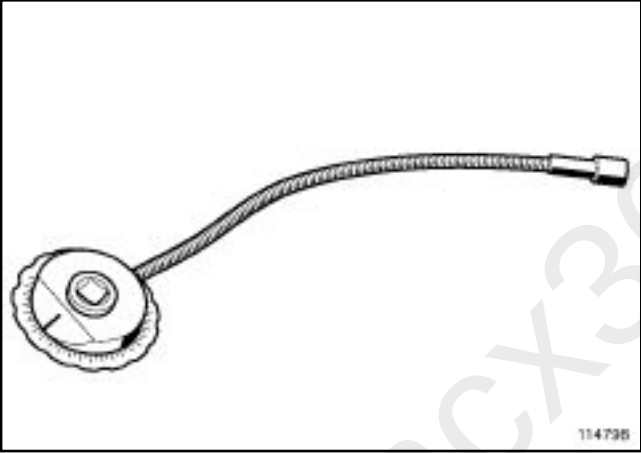
Illustration	Description
 113493	Torque wrench.
 114798	Bolt tightening gauge (angular measuring type).

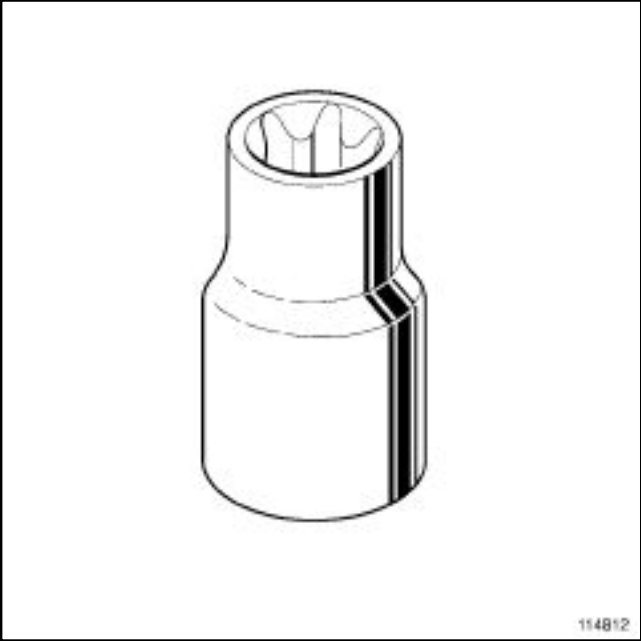
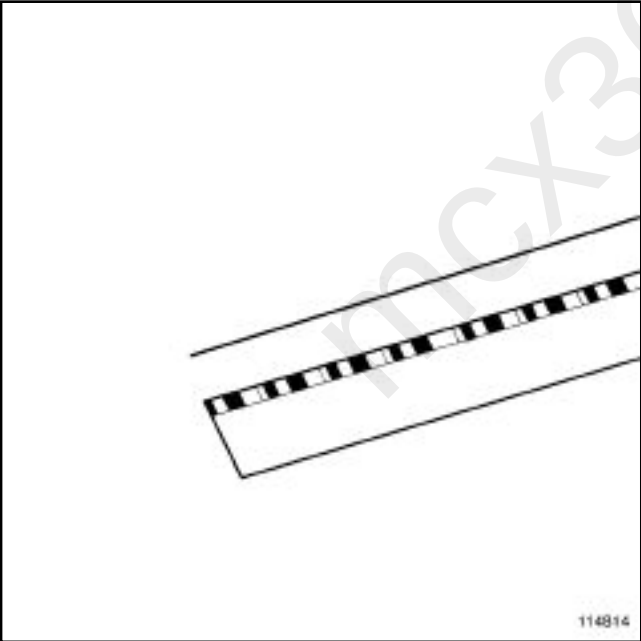
Illustration	Description
 114812	Standard 1/2" (12.7mm) square drive 8/12/14 female torx socket .
 114814	Radial play measuring tape.
	Oil change end piece fitted with an 8mm square drive
	Engine oil change wrench
	Pair of protective gloves
	Protective goggles
	Tool for checking the valve spring loading

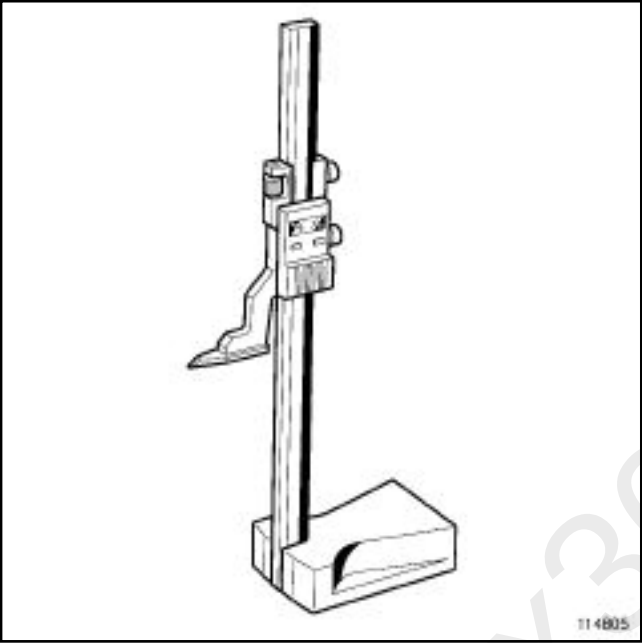
Illustration	Description
	Indelible marker
	Brushes with plastic or non-scratch metal (brass) bristles
	Compressed air gun
	Pressure/vacuum pump
 114805	Marking gauge

Illustration	Description
 114791	Sliding calliper.
 114783	

Illustration	Description
 114789	Depth gauge
 114782	

ENGINE AND LOWER ENGINE ASSEMBLY

Equipment

10A

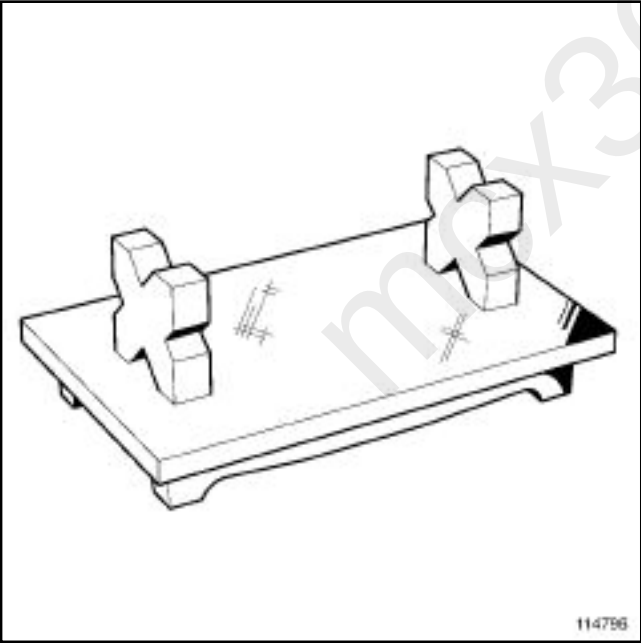
Illustration	Description
 A photograph of a micrometer in its carrying case. The case is open, showing the micrometer and other components inside. The number 114787 is visible in the bottom right corner of the image.	Micrometer.
 A line drawing of a body jig bench and a pair of v-blocks. The jig bench is a rectangular plate with two v-blocks mounted on it. The number 114796 is visible in the bottom right corner of the image.	Body jig bench and a pair of v-blocks.

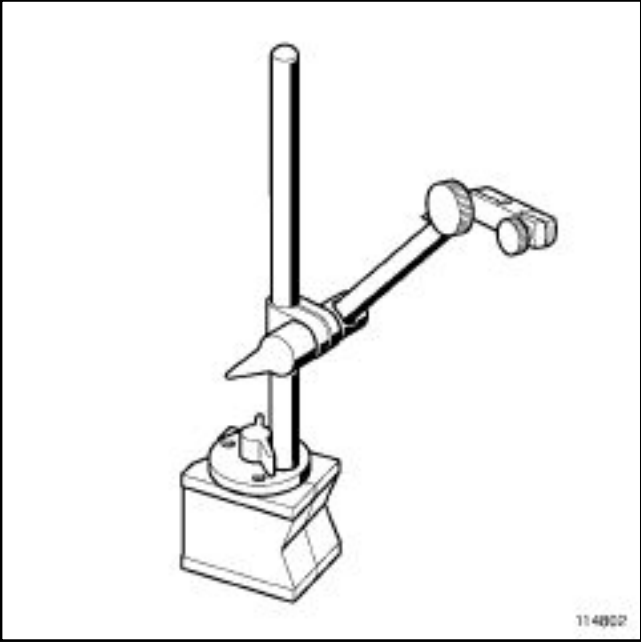
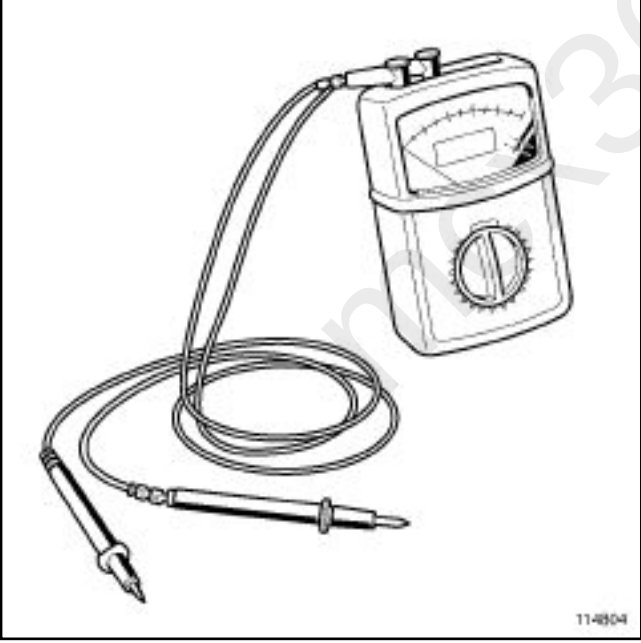
Illustration	Description
 114802	Magnetic holder.
 114804	Multimeter.

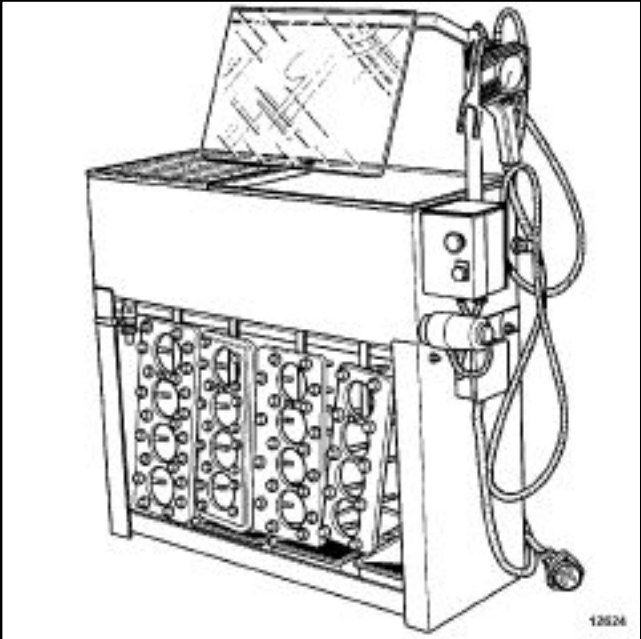
Illustration	Description
 12624	Cylinder head testing tool.
 18077	Toolkit for fitting valve stem seals

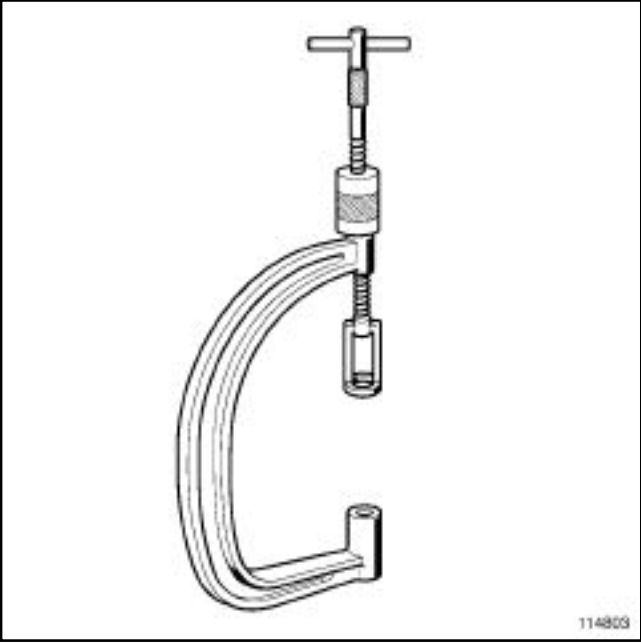
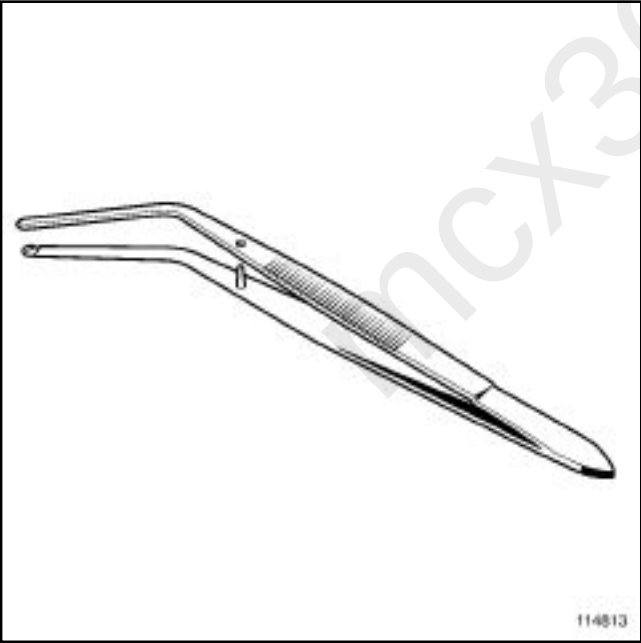
Illustration	Description
 114803	Valve spring compressor.
 114813	Tweezers.

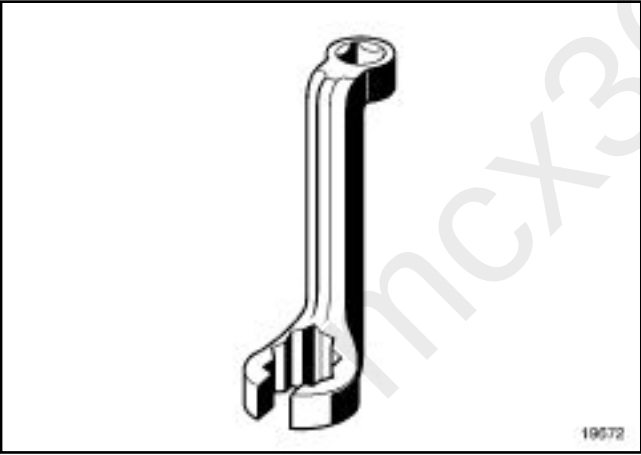
Illustration	Description
 114784	Cylinder head straight edge.
 19672	Spanner for the high pressure pipes.

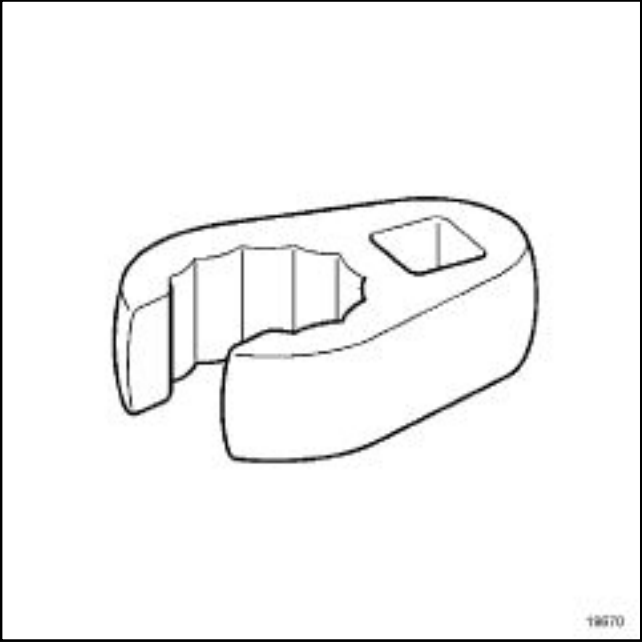
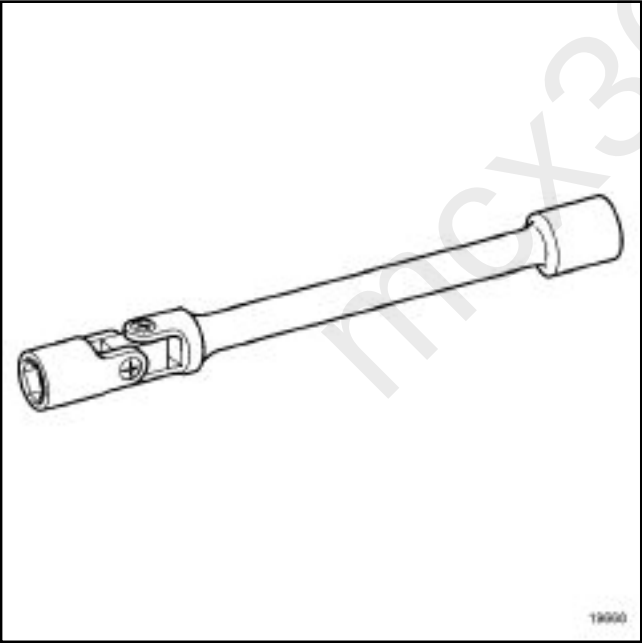
Illustration	Description
 19670	Crow foot spanner.
 19668	Wrench with hinge for heater plugs.

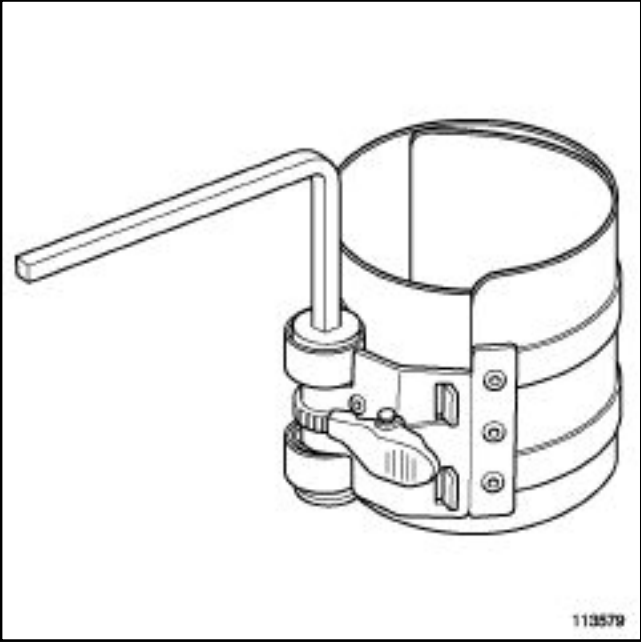
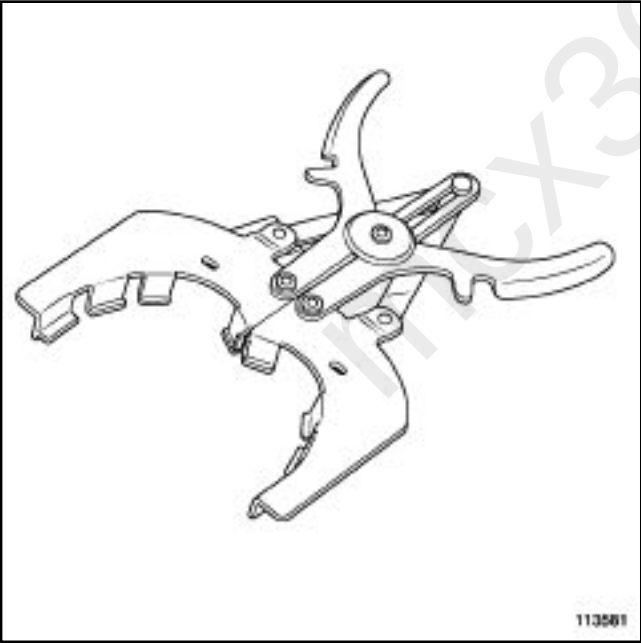
Illustration	Description
 113579	Ring for fitting pistons in the cylinder block.
 113581	Tool for removing and refitting piston rings.

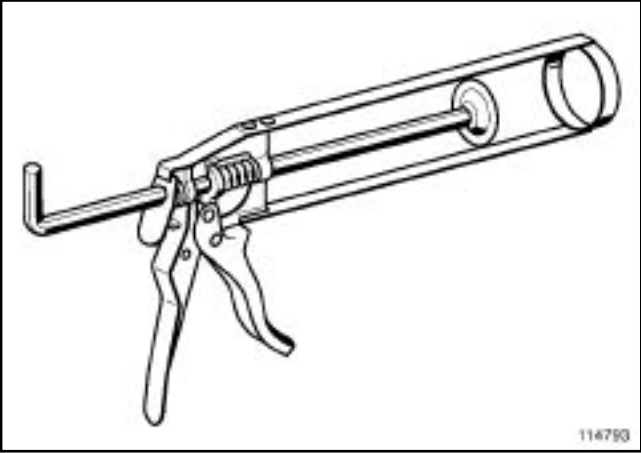
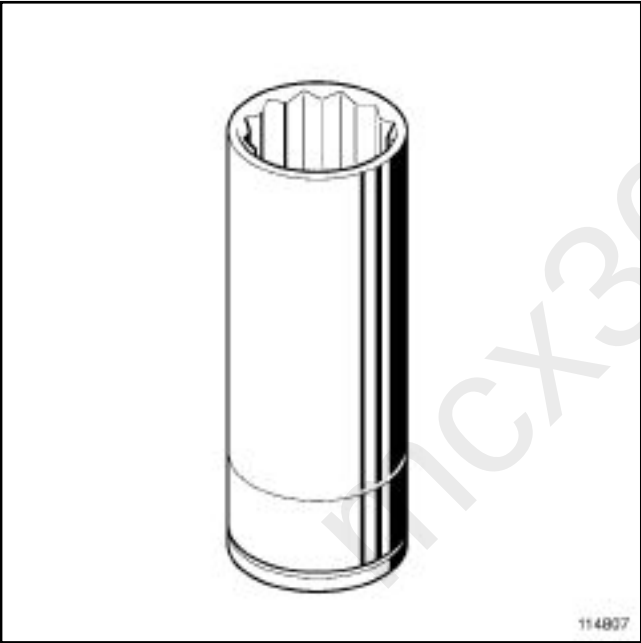
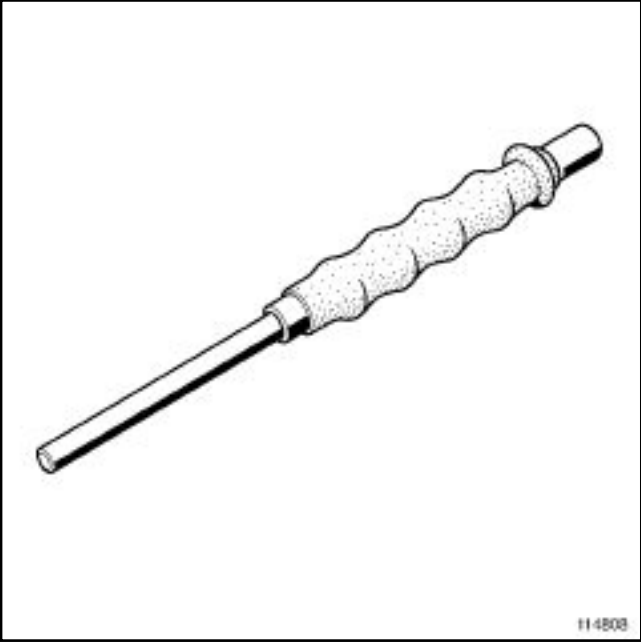
Illustration	Description
 114793	Gun for adhesive silicone seal cartridges.
 114807	Standard 1/2" 22mm long socket (12.7mm square drive)

Illustration	Description
 114808	Roll pin punch.