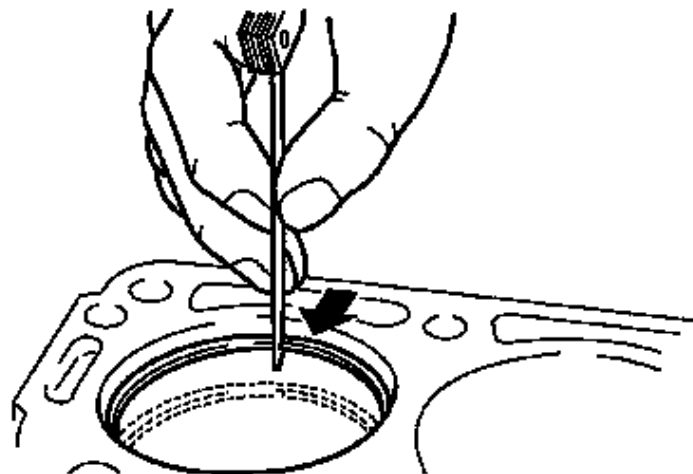
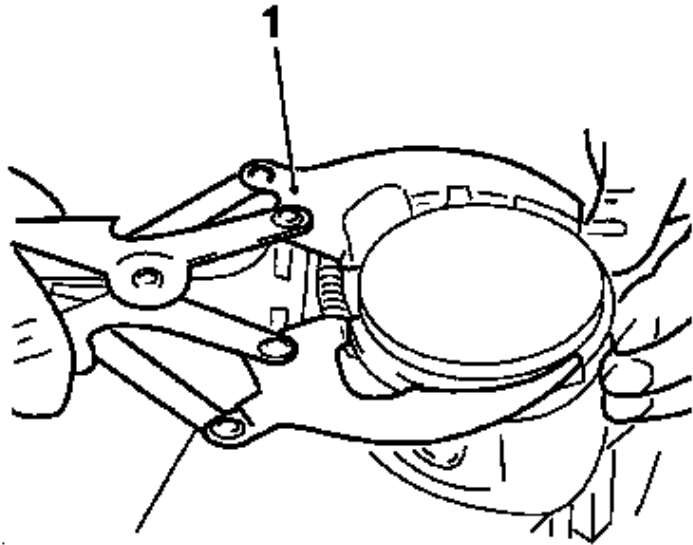


Piston Rings, Replace (Z 22 SE)

Note: Piston and connecting rod removed – see operation "Pistons and Connecting Rods, Remove and Install"

1. Remove the piston rings.
 - Use piston ring pliers (1).
 - Any carbon build-up should be removed with a piston ring (the piston ring should be broken and ground to a wedge shape to remove the build-up from the groove).
 - Compress the piston ring in the cylinder and measure the gap with feeler gauges (arrow).
 - Piston ring sizes and permissible piston ring gaps – see "Technical Data"



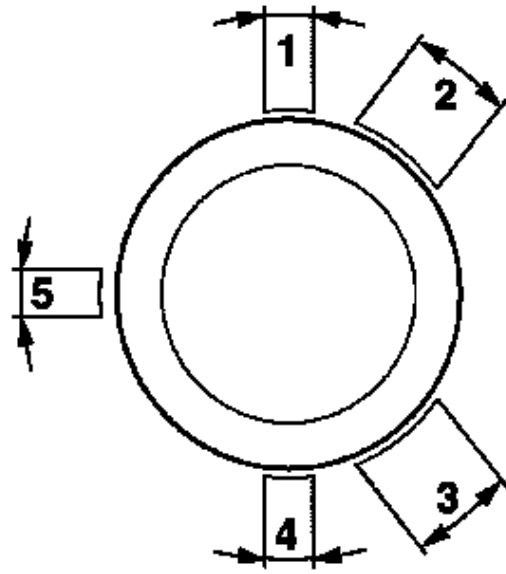
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2. Install the piston rings.

Note: During installation of the second piston ring (Napier ring): "Punkt" (= point or dot) identification faces upwards.

 - Adjust the piston ring gap.
 - First piston ring (rectangular-section ring) in position
 - Second piston ring (Napier ring) in position

- Intermediate ring of the oil scraper ring in position, steel band rings of the oil scraper ring in position



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