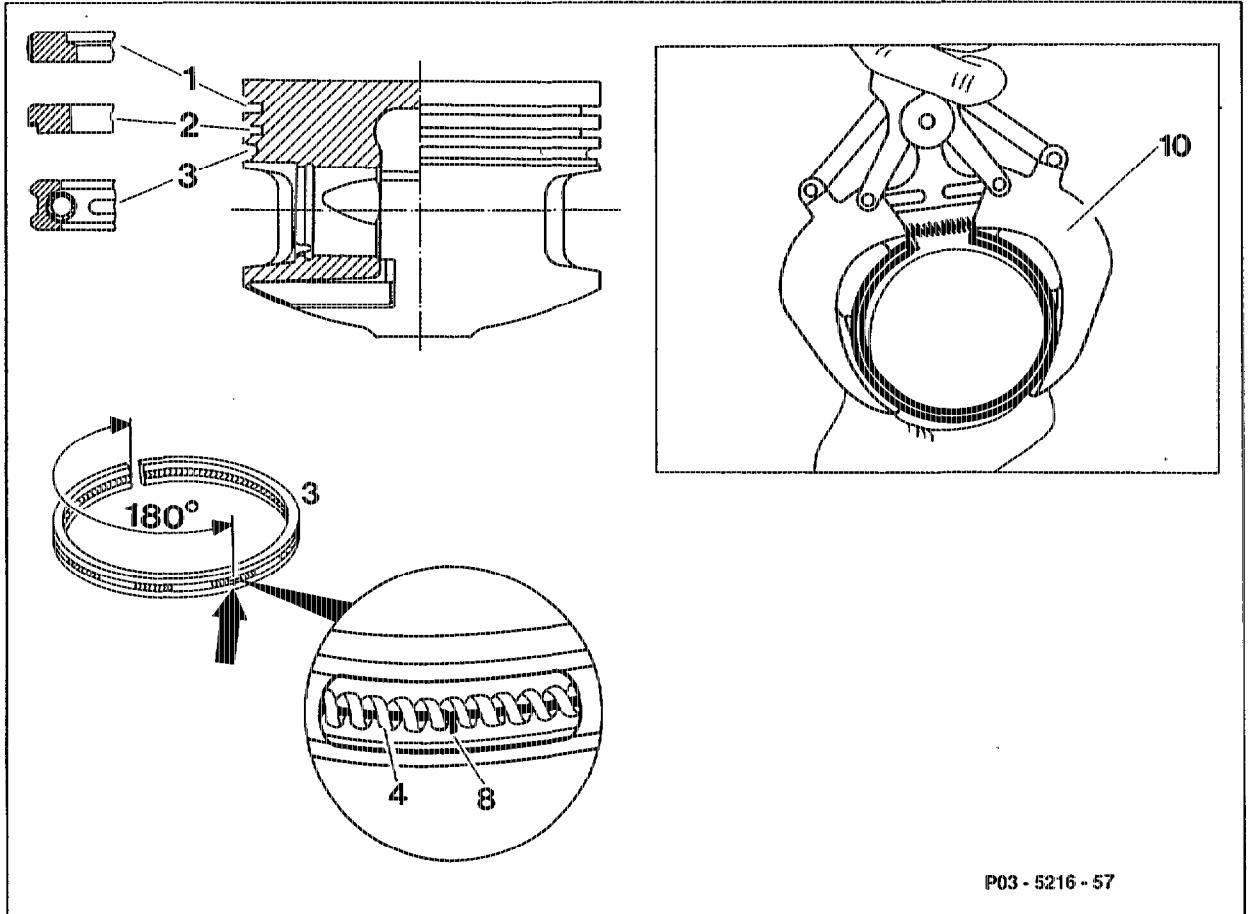


03-3170 Replacing piston rings

Preceding work:
Piston removed (03-3160).

Operation no. of operation texts and work units or standard texts
and flat rates:



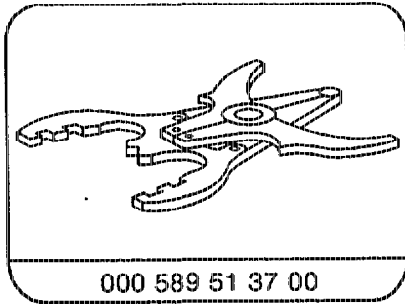
1 Plain compression ring
2 Taper-faced hook scraper ring

3 Double bevelled oil control ring
4 Oil control ring with coil spring

Gap and end clearance of piston rings
Piston rings
Width of ring of piston rings
Piston rings
Installation position
Hook spring (8) in oil scraper ring (3)

measure, see table.
remove with pliers (10) 000 589 51 37 00.
measure.
install only rings with identical ring width.
note, "Top" faces up.
install offset 180° to joint (arrow).

Special tool



Test data

Gap clearance of piston rings	groove 1	0.20 – 0.40
	groove 2	0.20 – 0.40
	groove 3	0.20 – 0.45
End clearance of piston rings	groove 1	0.015 – 0.050
	groove 2	0.020 – 0.040
	groove 3	0.010 – 0.045

Note

When replacing the piston rings, determine which pistons are installed.

When performing repairs, fit pistons only with the matching piston rings.