

CRANKSHAFT

Disassembling and Assembling Crankshaft

49 EN

Special Tools:

VW 161a Circlip pliers
VW 202 Puller
VW 202a Puller jaws
VW 202f Puller thrust pad
VW 310 Stand for crankshaft

VW 400 15 ton hydraulic press
VW 427 Guide tube for aligning timing gear spacer washer and distributor pinion
VW 428 Guide tube (tapered) for installing lock ring

Crankshaft dimensions:

Stroke	74 mm
Connecting rod journal diameter	53 mm
Main bearing journal diameter	No. 1: 50 No. 2: 50 No. 3: 50 No. 4: 40

4. Remove the distributor pinion, spacer ring, and timing gear using puller VW 202 with VW 202a and VW 202f. Or use press VW 400. Slight gouges on the seating surface may be removed but must not affect the press fit of these parts.

The crankshaft may be reground only once.

Disassembly

1. Mount crankshaft in stand.
2. Remove connecting rods.
3. Remove distributor pinion lock ring using pliers VW 161a.

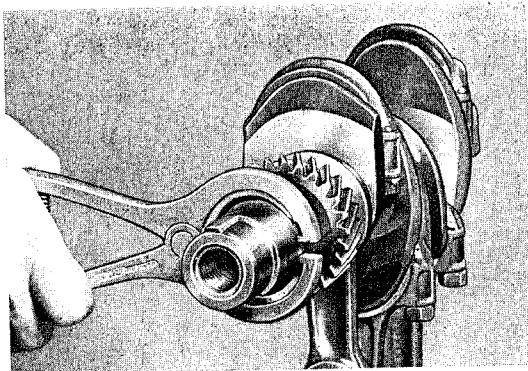


Fig. 236

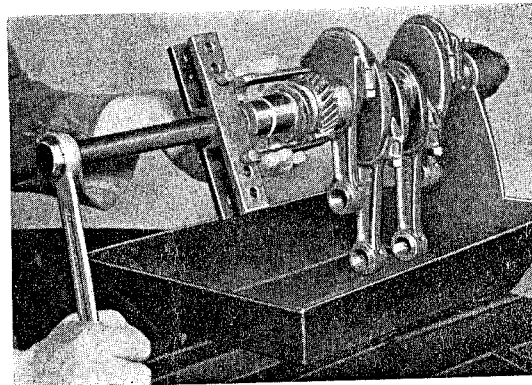


Fig. 237

5. Remove main bearing No. 3.
Note! Do not store crankshaft without preservative grease.

Assembly

The assembly is accomplished in the reverse order of disassembly observing the following points:

1. Check the crankshaft for trueness, cracks (sound test) and surface wear. Exchange the crankshaft if necessary.