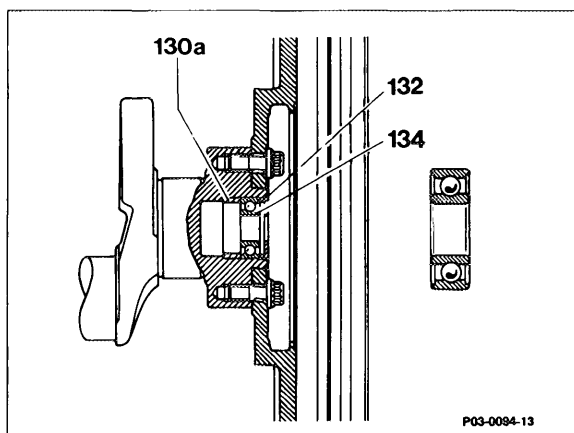


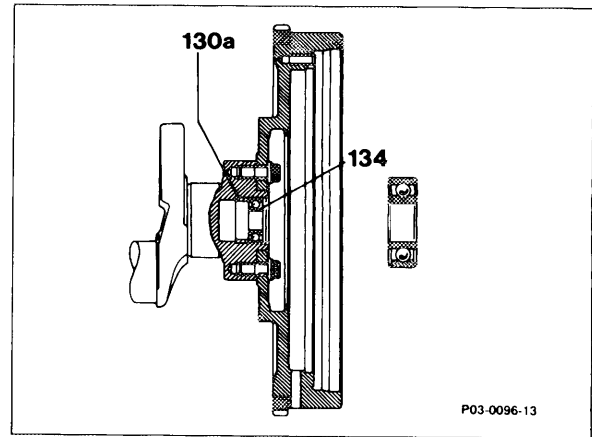
03-330 Removal and installation of pilot bearing in crankshaft



| | |
|---|---|
| Radial ball bearing (134) and locking ring (132) | remove, install. Use internal puller 000 589 25 33 00, countersupport 000 589 33 33 00. Renew locking ring (132) and radial ball bearing (134) and coat with glue 002 989 94 71. Knock into crankshaft with suitable punch on outer race (item 1). |
| Spacer ring (130a) | knock in flush (item 1). |

Note

For reasons of standardization the same radial ball bearing (134) as in engine 102 is installed. The ball bearing is sealed on both sides with Viton cover discs and cemented into the crankshaft.



130 a Spacer ring

Replacement parts

| Designation | Part No. |
|--------------|---------------|
| Spacer ring | 102 031 02 51 |
| Locking ring | 102 031 01 33 |
| Ball bearing | 115 980 01 15 |

Engines 602, 603 from start of production.

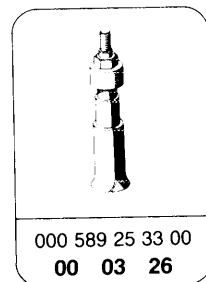
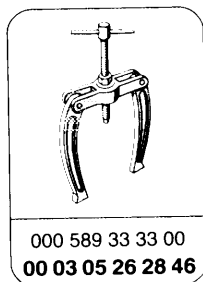
For repair these parts can also be installed in engines produced earlier.

Cement

Loctite 241

002 989 94 71

Special tools



Removal, installation

1 Pull radial ball bearing out of crankshaft together with locking ring, use internal puller 000 589 25 33 00 and countersupport 000 589 33 33 00.

Installation note

Knock in spacer ring flush.

Coat new ball bearing with cement 002 989 94 71 and knock into crankshaft with suitable punch on outer race.

2 Install in opposite order.

