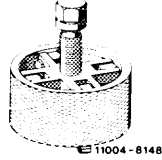


20—225 Sealing of coolant pump

Special tool

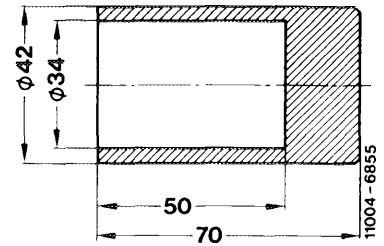
Puller for impeller



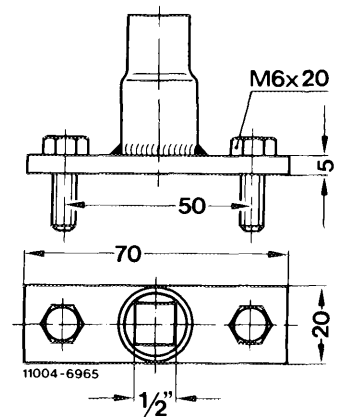
100 589 15 33 00

Self-made tools

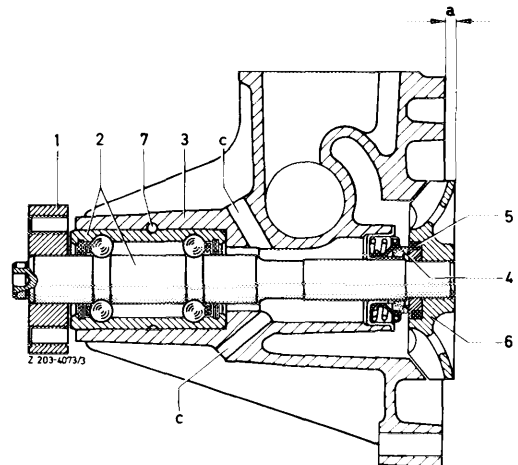
Pressing-in sleeve for slide ring seal



Tester for tight-seat of impeller

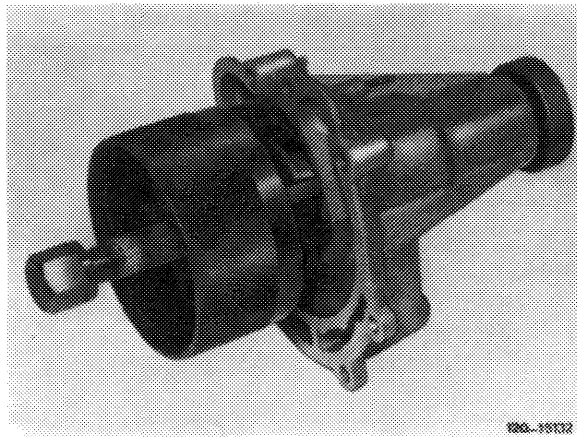


- 1 Flange
- 2 Coolant pump shaft with compact bearing
- 3 Coolant housing
- 4 Slide ring seal
- 5 Counter ring with sealing ring
- 6 Impeller
- 7 Set sleeve
- a 5.3—5.7 mm
- c Vent bores

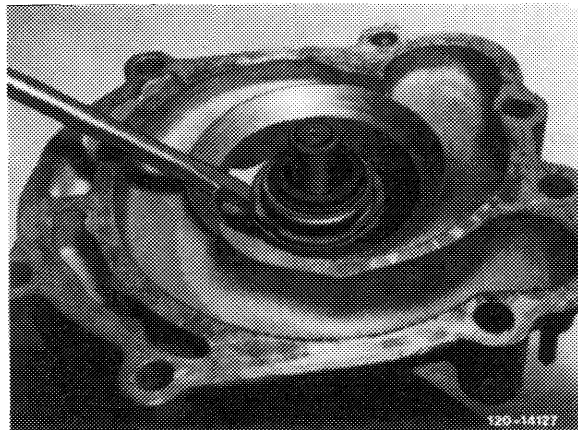


Disassembly

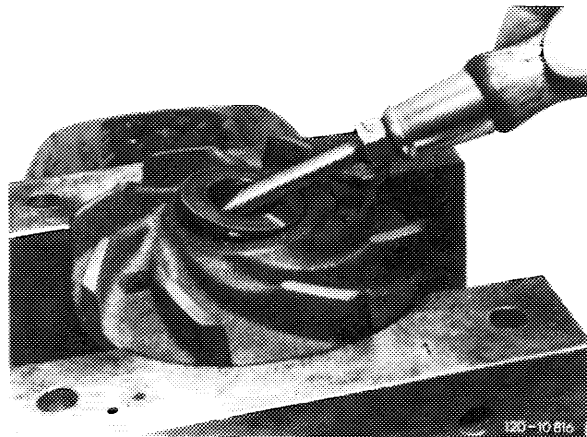
1 Pull off impeller.



2 At several points, apply light hammer blows between coolant pump housing and slide ring seal to eliminate tensions and force-out slide ring seal.



3 Force counter ring out of impeller.



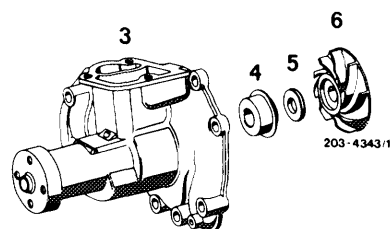
Assembly

4 Slightly coat brass jacket of slide ring seal (4) with sealing compound, then press slide ring seal (4) into bearing housing, by means of pressing-in sleeve.

Attention!

Support at bearing housing only and not against water pump shaft.

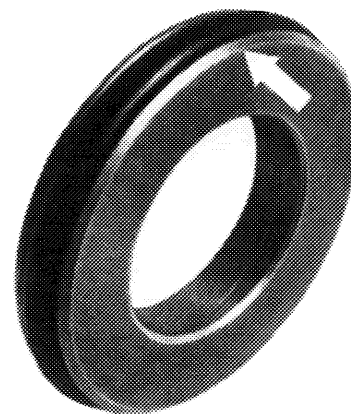
- 3 Bearing housing
- 4 Slide ring seal
- 5 Counter ring with O-ring
- 6 Impeller



5 Coat sealing ring on counterring with brake cylinder paste and push counterring with chamfered (arrow) into carefully cleaned mounting bore of impeller.

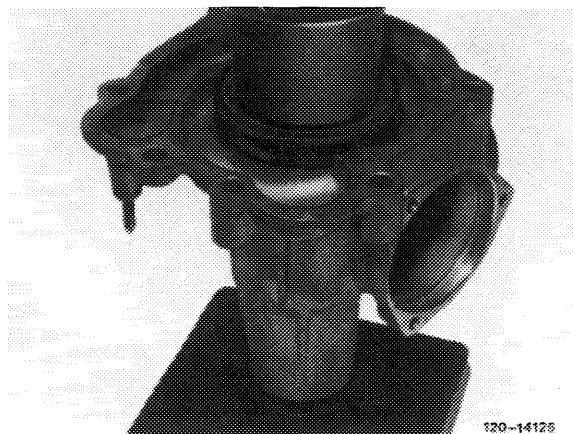
6 Clean sealing surfaces of counterring and slide ring seal free of dust by means of a leather rag.

7 Decrease shaft stub of coolant pump shaft and bore in impeller.



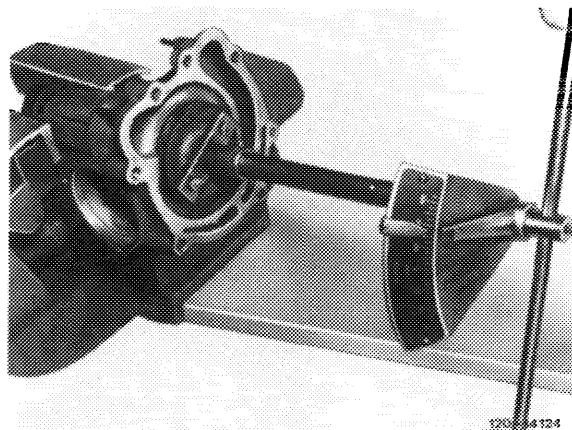
120-10863

8 Press-on impeller while supporting coolant pump shaft.



120-14125

9 Check force fit of impeller. Nominal torque min. 35 Nm.



120-14124