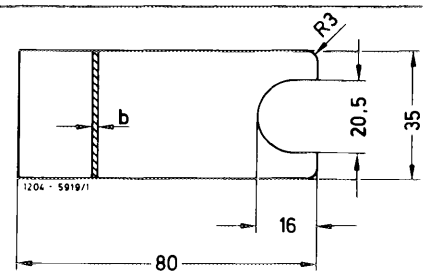
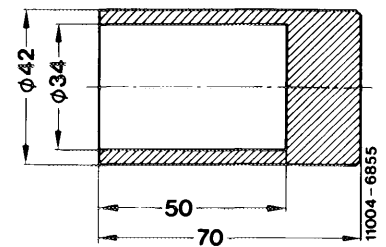


Self-made tools

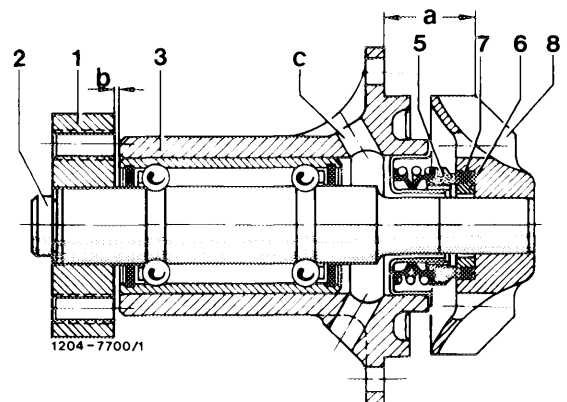
Spacing plate
b = 2 mm



Pressing-in sleeve

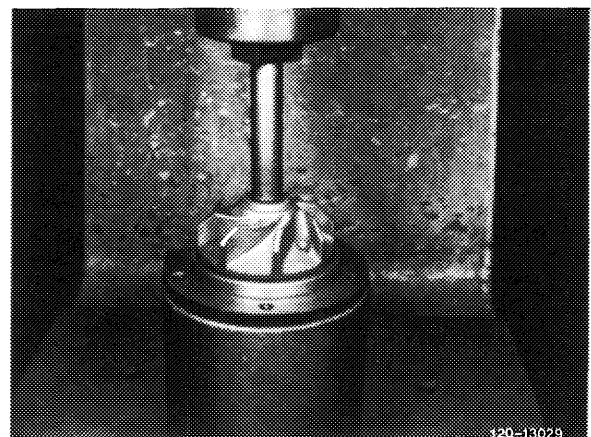


- | | |
|---|----------------|
| 1 Fan hub | 7 O-ring |
| 2 Coolant pump shaft with compact bearing | 8 Impeller |
| 3 Bearing housing | a 22.8–23.2 mm |
| 5 Slide ring seal | b 2 mm |
| 6 Counterring | c Vent holes |



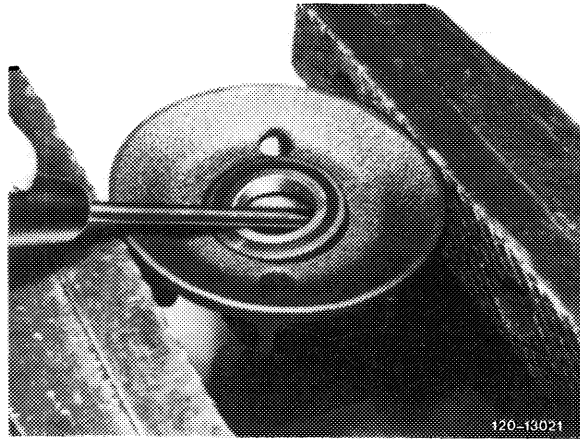
Disassembly

- 1 Support bearing housing with pertinent tubing and press out coolant pump shaft by means of a mandrel.
- 2 Knock sliding ring seal out of bearing housing.



3 Remove countererr from impeller.

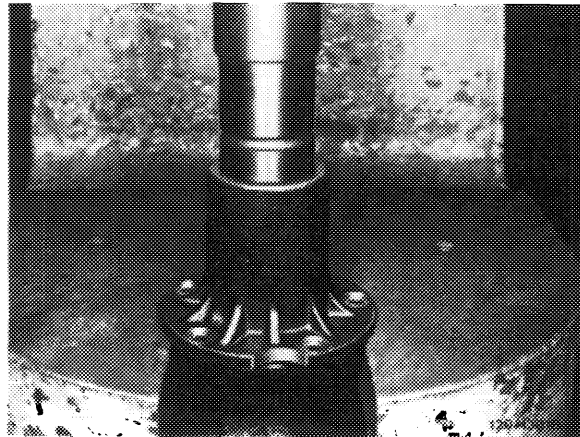
Note: Always replace compact bearing and fan hub following disassembly.



Assembly

4 Press in new compact bearing flush with bearing housing by means of a tube positioned against outer race.

Do not press against coolant pump shaft.

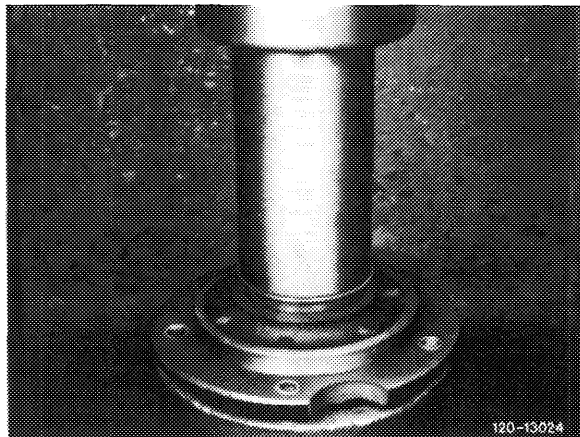


5 Coat mounting bore of sliding ring seal in bearing housing slightly with sealing compound (part No. 001 989 25 20).

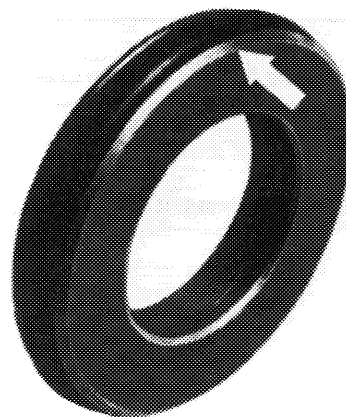
Press-in or knock-in sliding ring seal with pressing-in sleeve.

Attention!

Support only against bearing housing and not against coolant pump shaft.



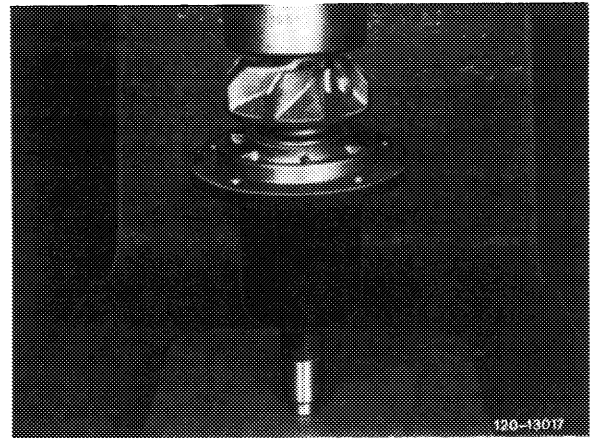
6 Coat O-ring on countererr with brake cylinder paste and push with chamfered side (arrow) into thoroughly cleaned impeller.



7 Clean sealing surfaces of counterring and sliding ring seal free of dust by means of a chamois cloth.

8 Degrease both shaft stubs and impeller in bore.

9 Press-on impeller flush with shaft while supporting coolant pump shaft.



10 Heat fan hub on a hot plate to approx. 300 °C (annealing color dark — up to light blue).

Place heated fan hub on a recessed base. Hold spacing plate on coolant pump shaft, slip coolant pump shaft on fan hub and apply a blast of compressed air against hub. Wait for a few seconds until fan hub is firm and then cool immediately in water bath.

