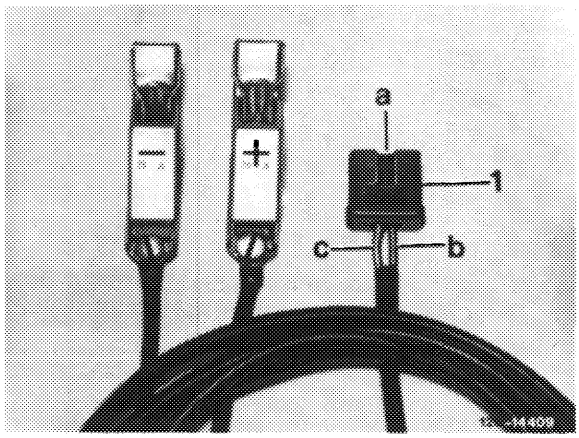
Self-made tool

Coupling (1), part No. 002 545 49 28
approx. 1 m cable 1.5 mm^2 black (b) +
approx. 1 m cable 1.5 mm^2 brown (c) –
1 cable terminal +
1 cable terminal –

a = Locating groove

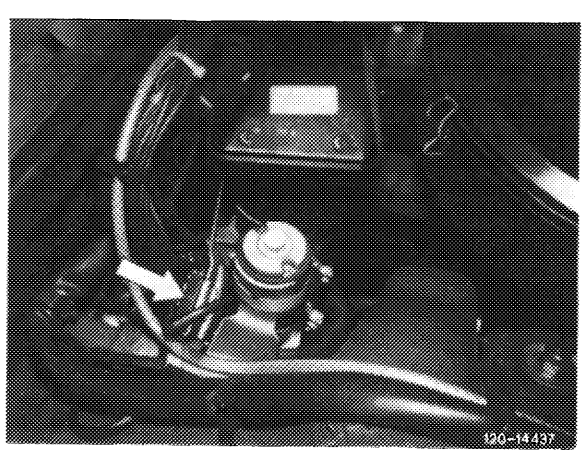


A. De-oiling

1 Completely drain coolant (20–010).

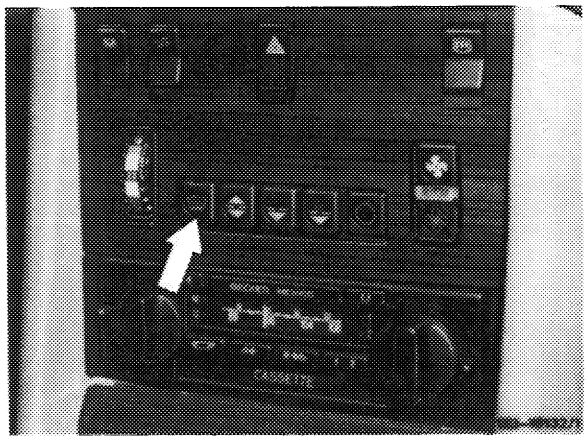
2 Remove coolant thermostat (20–110).

3 On **model 116** pull plug of heating water pump (arrow) from supply line. Connect heating water pump to battery by means of self-made tool. Push "DEF" button.



On **model 123 with automatic climate control** and on **model 126,** push "DEF" button (arrow).

On **model 123 with and without air conditioning,** set heater lever to max. heating capacity.



4 Fill cooling system with a 5 % solution of water and a neutral cleaner, or with a mildly alkaline cleaner such as P 3-Croni (supplier: Henkel) or Grisiron 7220 (supplier: Farbwerke Hoechst).

Attention!
On model 116 with heavy-metal radiator, a strongly alkaline cleaner, e.g. P 3-Standard (supplier: Henkel) may be used instead of a mildly alkaline cleaner. Strongly alkaline cleaners may **not be used** on **models 123** and **126** with **light alloy radiator.**

5 Run engine warm at medium speed up to approx. 80 °C (176 °F) and hold at this temperature for approx. 5 minutes.

6 Stop engine and permit cooling system to cool down to approx. 50 °C (122 °F).

7 Completely drain solution.

8 Immediately thereafter, fill cooling system twice with fresh water, run warm (approx. 5 minutes) and drain.

B. Decalcification, derusting

Attention!
Prior to decalcification, be sure to de-oil cooling system, even if there is no visible oiling up.

1 After second flushing job during de-oiling, fill cooling system with a 10 % (100 g/l) solution of water and citric acid, tartaric acid or oxalic acid (sold by the chemical trade) while giving preference to citric acid.

2 Run engine warm at medium speed up to approx. 80 °C (176 °F) and hold for approx. 10 minutes at this temperature. Proceed according to item 3 section A "De-oiling".

3 Stop engine and permit to cool down to approx. 50 °C (122 °F).

4 Completely drain decalcification solution.

5 Flush cooling system at least three times with fresh water while running engine for at least 5 minutes with each flushing charge.

Badly calcified cooling systems may require a repetition of the treatment. Always prepare a fresh decalcification solution and repeat flushing steps.

6 Install coolant thermostat with new sealing ring (20–110).

7 On model 116, connect heating water pump again to electric supply line.

8 Fill cooling system with specified coolant (20–010).

Note: For decalcification and derusting, commercial products made with the acids named above may also be used.

Chromic acid or products containing chromates are prohibited by sewage regulations.