

07.3–245 Renewing air flow sensor plate, centering, checking zero position of air flow sensor plate and adjusting

Tightening torque

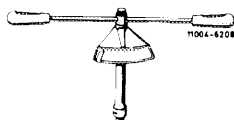
Nm

Hex. head screw

5.0–5.5

Special tool

Torque wrench 1/4" square, 4–16 Nm



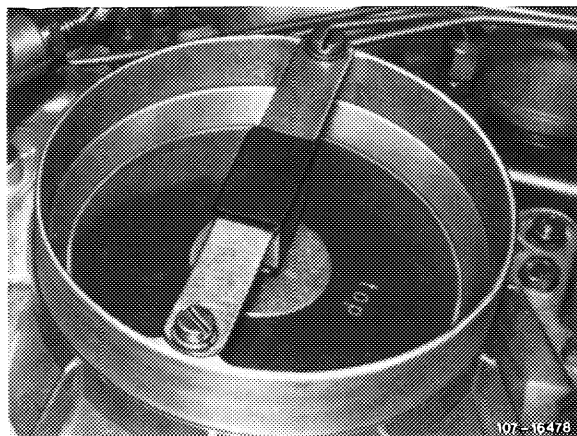
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Conventional equipment and tools

Hot air blower, tap M 6

Removal

- 1 Remove air cleaner.
- 2 Unscrew stop bracket.



- 3 Heat fastening screw with a hot air blower and screw out carefully (risk of tearing).

Attention!

The fastening screw is micro-encapsulated.

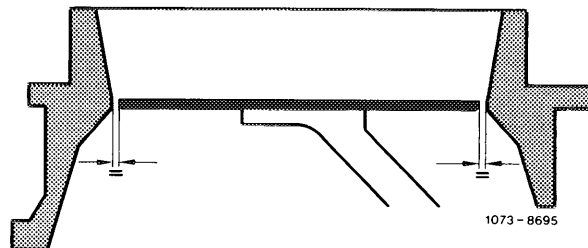
- 4 Clean bore for fastening air flow sensor plate by means of tap M 6.

Installation

5 Install components of repair set. Insert air flow sensor plate with letters "TOP" in upward direction and insert top. Lightly screw in micro-encapsulated fastening screw (self-locking).

6 Center air flow sensor plate. For this purpose, pull plug from safety switch. Switch on ignition for a short moment to establish control pressure.

Apply feeler gauge 0.10–0.20 mm to make sure that the air flow sensor plate is accurately centered. Air flow sensor plate should not bind even under light lateral pressure (bearing play cancelled).

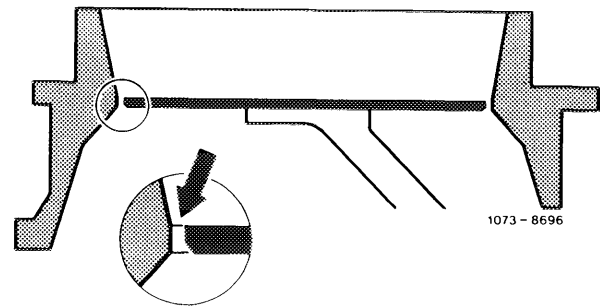


7 Tighten fastening screws to 5.0–5.5 Nm.

8 Check air flow sensor plate for easy operation. For this purpose, push air flow sensor plate down manually. Plate should not bind. Release air flow sensor plate, plate should also not bind during return and should audibly knock against resilient stop. Center air flow sensor plate once again, if required.

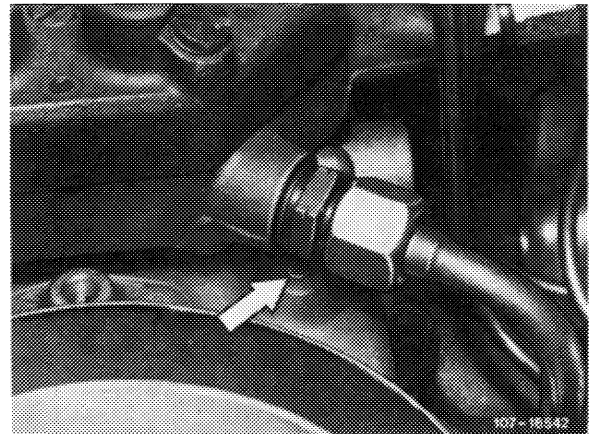
9 Check zero position (rest position) of air flow sensor plate. Upper edge of air flow sensor plate should be accurately flush with cylindrical portion of air funnel (arrow) along entire circumference. A higher position up to max. 0.5 mm is permitted.

Note: To check zero position, pull off plug on safety switch and switch on ignition for a short moment. This will energize control piston with control pressure.



10 Adjust zero position of air flow sensor plate.

- a) If too high, unscrew fuel inlet connection, knock in guide pin (arrow) by means of a mandrel (punch) deeper as required.
- b) If too low, remove mixture controller and knock in guide pin from below (07.3-200).



Attention!

Knock in guide pin very carefully, so that pin is not knocked in too deep.

Avoid adjusting several times in both directions, since this will reduce press fit of pin too much.

11 Mount fuel inlet connection and stop bracket, plug on safety switch.

12 Adjust idle speed (07.3-100).