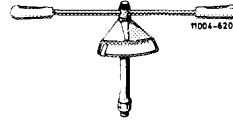


07.3–245 Renewing, centering air flow sensor plate, checking and adjusting zero position of air flow sensor plate

Job No. of flat rates or standard texts and flat rates data 07–1565.

Special tool

Torque wrench 1/4" square,
4–16 Nm



000 589 67 21 00

Conventional equipment and tools

Hot air blower, tap M 6

Tightening torque

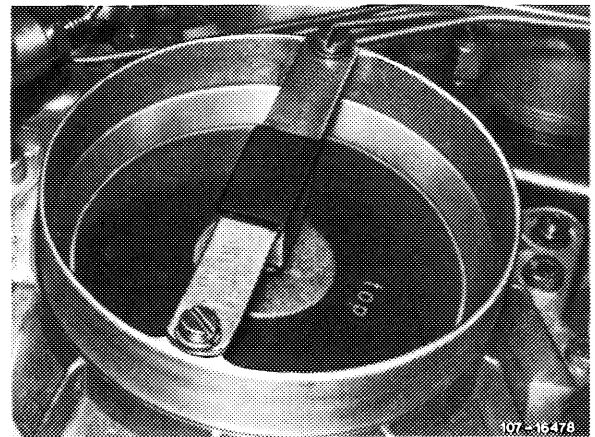
Nm

Hex. head screw

5.0–5.5

Removal

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



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

Attention!

The fastening screw is micro-encapsulated.

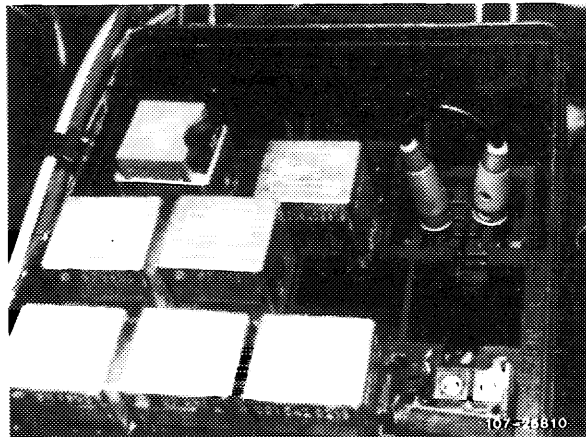
- 4 Clean bore for fastening air flow sensor plate by means of tap M 6.

Installation

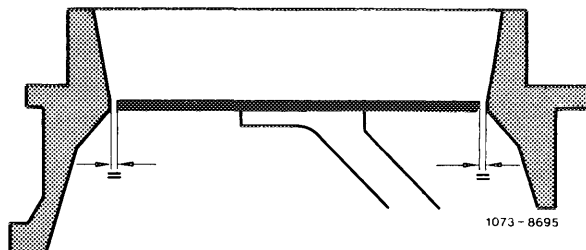
5 Install parts of repair set. Air flow sensor plate with letters "TOP" in upward direction, insert washer. Slightly tighten micro-encapsulated fastening screw (self-locking).

6 Center air flow sensor plate. For this purpose, pull off fuel pump relay (arrow) and bridge the two jacks for a **short** moment or pull plug from safety switch. Switch on ignition for a short moment to establish control pressure.

Prior to September 1981: jacks 1 and 2.
Starting September 1982: jacks 7 and 8.



Make sure with slip gauge 0.10–0.20 mm that air flow sensor plate is accurately centered. Even at light lateral pressure (bearing play cancelled) the air flow sensor plate should not bind.

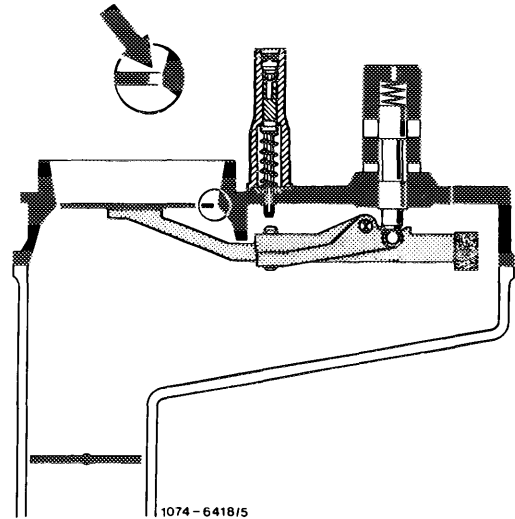


7 Tighten fastening screw to 5.0–5.5 Nm.

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

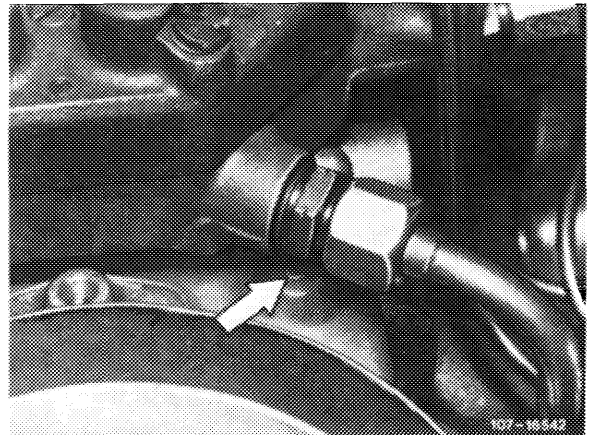
9 Check zero position (rest position) of air flow sensor plate. Upper edge of air flow sensor plate should be flush with upper edge of cylindrical part (arrow) on air funnel. A position higher by max. 0.5 mm is permitted.

Note: Bridge electric safety circuit to check zero position (refer to item 6). This will activate control piston with control pressure.



10 Adjust zero position of air flow sensor plate.

- a) If too high, unscrew fuel feed connection, knock guide bolt (arrow) pertinently deeper by means of a mandrel.
- b) If too low, remove mixture control unit and knock out guide bolt from below (07.3-200).



Attention!

Do not knock in guide bolt too deeply.

Be sure to avoid repeated displacement in both directions since the press fit of the bolt will be reduced.

11 Mount fuel feed connection, stop bracket and fuel pump relay or mount plug on safety switch.

12 Adjust idle speed (07.3-100).