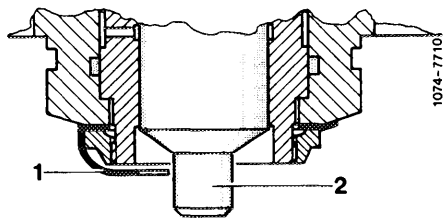
07.3–205 Renewing fuel distributor

Job No. of flat rates or standard texts and flat rates data 07–1574.

Tightening torques (reference values)	Nm
Injection lines on fuel distributor	
Fuel line for cold start valve on fuel distributor	
Fuel return line from warm-up compensator on fuel distributor	10–12
Control pressure line on fuel distributor	
Control pressure line on pressure damper	
Injection lines on injection valves	10–15

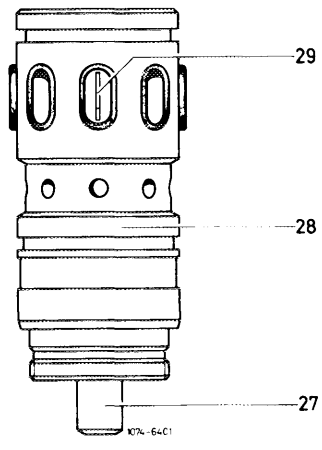
Note

The fuel distributor is provided with a sheet metal lock (1) to prevent falling-out of regulating piston (2). The **sheet metal lock** serves to facilitate assembly and also as a transportation lock and **should not be removed.**



Starting September 1981 the idle speed has been lowered. A lower fuel quantity is therefore required. For this purpose, the width of the control slit (29) in slit carrier (28) had to be reduced.

The change of control slit (29) also required adaptation of air cone in air flow sensor.



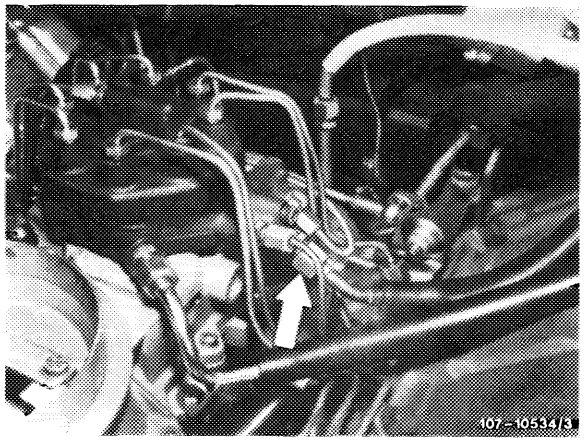
27 Control piston
28 Slit carrier
29 Control slit

Removal

1 Remove air cleaner.

2 Unscrew all fuel and injection lines on fuel distributor and on injection valves. Catch fuel with a rag.

Close fuel feed and return line blind.



3 Unscrew the three fastening screws on fuel distributor.

4 Remove fuel distributor by moving distributor back and forth.

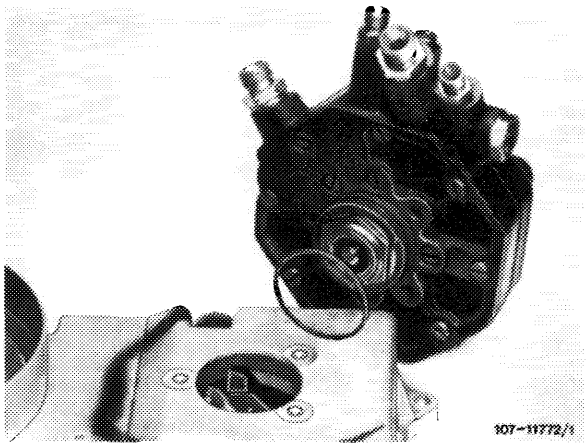
Installation

5 Mount fuel distributor in vice versa sequence.

6 Slip new rubber ring on fuel distributor.

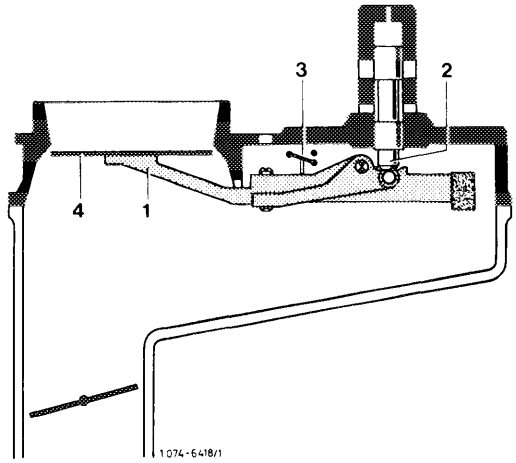
7 Slightly lubricate rubber ring and carefully mount fuel distributor.

Attention!
Do not damage rubber ring during assembly, so that no false air will be drawn in.



8 Connect all fuel lines except injection lines.

9 Check for easy operation of adjusting lever (1) in air flow meter and of control piston (2) in fuel distributor. For this purpose:



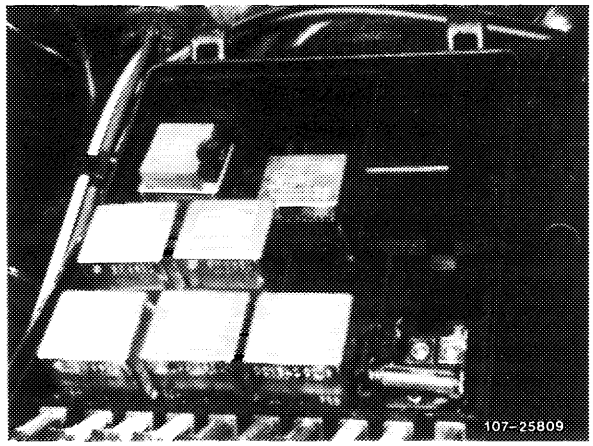
On mixture control unit **with** safety switch

pull plug from safety switch (3). Switch on ignition for a short moment to establish control pressure.

On mixture control unit **without** safety switch

pull off fuel pump relay and bridge the two jacks for a short moment to establish control pressure.

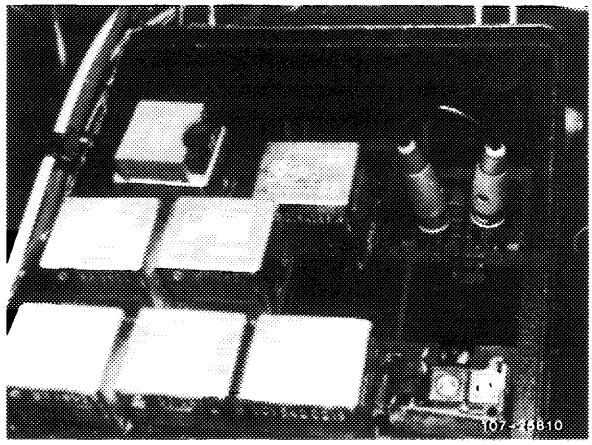
Prior to September 1981: jacks 1 and 2.
Starting September 1981: jacks 7 and 8.



Push air flow sensor plate (4) manually in downward direction. A uniform resistance should be felt along entire distance. When plate is moving up fast, no resistance should be noticed, since the slowly following regulating piston lifts off from adjusting lever. When plate is slowly moving in upward direction, regulating piston should closely follow.

10 Check association of regulating piston in relation to air flow sensor plate and adjust, if required. For this purpose, switch on ignition, pull cable plug from safety switch or pull off fuel pump relay and bridge the two jacks. The fuel should now just stop flowing at outlet connection for injection lines or adjust by means of idle speed mixture control screw, if required.

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



11 Mount injection lines and fuel pump relay.

12 Run engine and check all fuel connections, as well as rubber ring on fuel distributor for leaks by spraying.

13 Adjust idle speed (07.3–100).