

07.1–114 Adjusting injection timing (begin of delivery) with digital tester (RIV method) – following checkup

Job no. of flat rates or standard texts and flat rates data 07–8300.

Testing and adjusting value

RI-adjusting value (indirect injection timing)	–15° after TDC
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Tightening torque

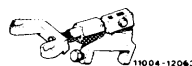
Nm

Closing plug on regulator (measuring point)

30–35

Special tool

Adjusting device



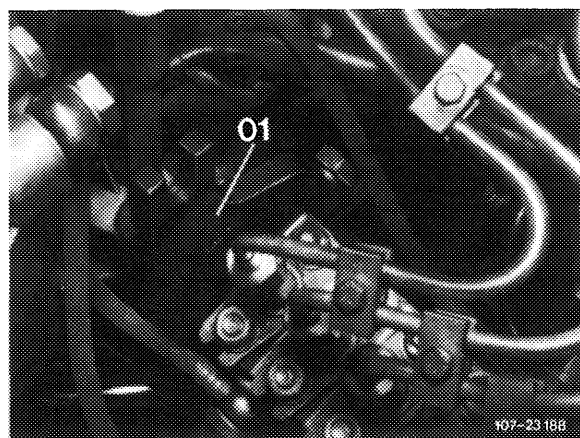
617 589 07 21 00

Note

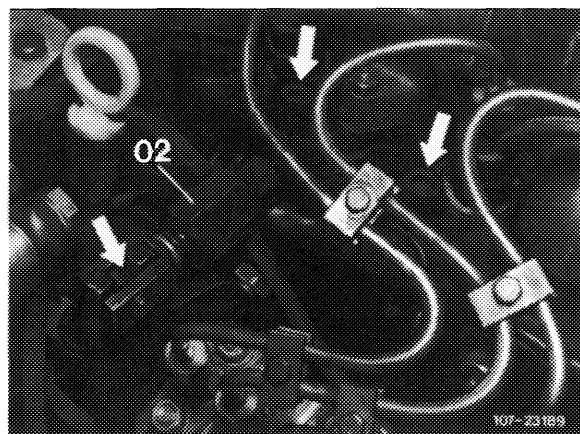
Prior to adjustment, check ignition timing (07.1–108).

Adjusting

1 Mount holding bracket (01) on injection pump housing.

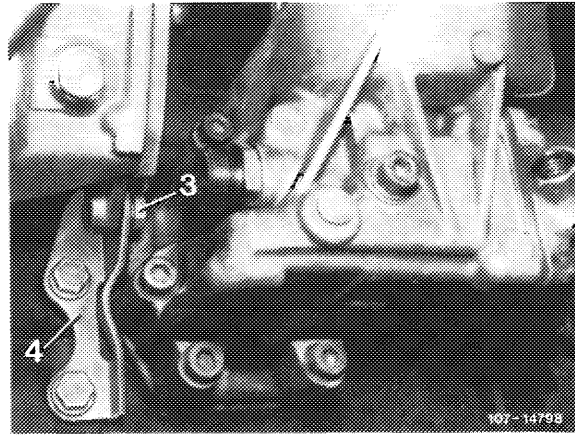


2 Place adjusting device (02) on cylinder head screws and holding fork (arrows).



3 Loosen nuts on injection pump flange as well as screws (3) on supporting bracket (4).

- 3 Screw
- 4 Supporting bracket

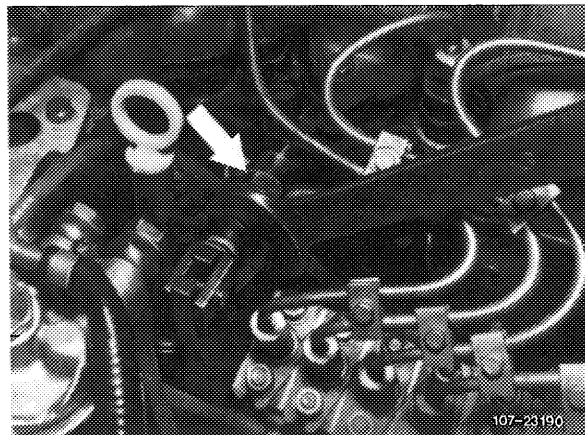


4 Adjust begin of delivery at idle speed by turning hex. head screw (arrow).

RI-value: -15° after TDC.

Swivelling direction of injection pump

Toward engine = delivery begins earlier
Away from engine = delivery begins later



5 Tighten nuts and screw for injection pump. Check preset value.

6 Stop engine.

7 Disconnect tester and RI-transmitter. Screw in closing plug (2) and tighten to 30–35 Nm.

8 Run engine and check for leaks.

9 Check oil level and correct, if required.

