

Checking and Adjusting Mechanical Additional Control, OM 621

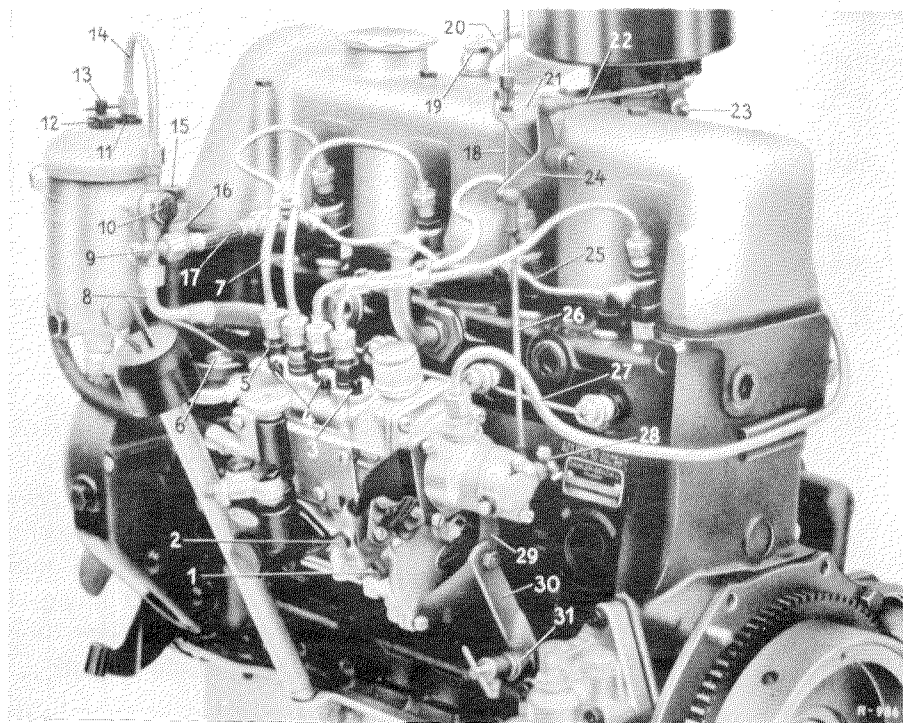


Fig. 07-9/1

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|---|---|--|
| 1 Adjusting lever | 11 Reducer nipple | 21 Bracket |
| 2 Oil level check screw | 12 Tension nut | 22 Connection rod (200 mm long) |
| 3 Bleeder screw | 13 Bleeder screw | 23 Throttle valve shaft with lever |
| 4 Hex. hd. screw for clamping jaws | 14 Bleeder line from filter to cross fitting | 24 Angular lever |
| 5 Pipe connection | 15 Hex. hd. screw for filter mounting | 25 Leakage line |
| 6 Screw plug (connection for speed indicator) | 16 Shim | 26 Connection rod to lever for mechanical additional control |
| 7 Injection line | 17 Flexible hose from leakage line to cross fitting | 27 Vacuum line from injection pump governor to throttle duct |
| 8 Flexible hose from overflow valve of inj. pump to cross fitting | 18 Wire cable for idling adjustment | 28 Lever for mechanical additional control |
| 9 Cross fitting | 19 Hollow screw | 29 Supporting bell |
| 10 Hex. hd. screw | 20 Bleeder line | 30 Supporting carrier |
| | | 31 Threaded nipple |

1. With the engine run hot, adjust the idle run speed to 700–800 r.p.m. with the help of the adjusting screw on the throttle duct.

Note: The rotary handle of the wire cable for the idling adjustment at the instrument panel must completely be turned to the right so that the wire cable (18) is just loose at the angular lever (24), if in this position; if necessary, loosen clamping screw and re-tighten (see Fig. 07-9/1).

2. Now check the connection rod (26) extending from the angular lever (24) at the cylinder head cover to the lever (28) of the mechani-

cal additional control (Stupser) at the injection pump governor for correct length, proceeding as follows (see Fig. 07-9/1). Unhook the connection rod (26) at the angular lever (24) and press downwards to the idling stop.

In this position, i.e., throttle in idling position and lever (28) at the injection pump governor in idling stop position, a distance between ball socket and ball head of approx. 1 mm should exist, that means, for hooking in at the ball head of the angular lever (24), the connection rod (26) should allow to be lifted by approx. 1 mm (see Fig. 07-9/1).