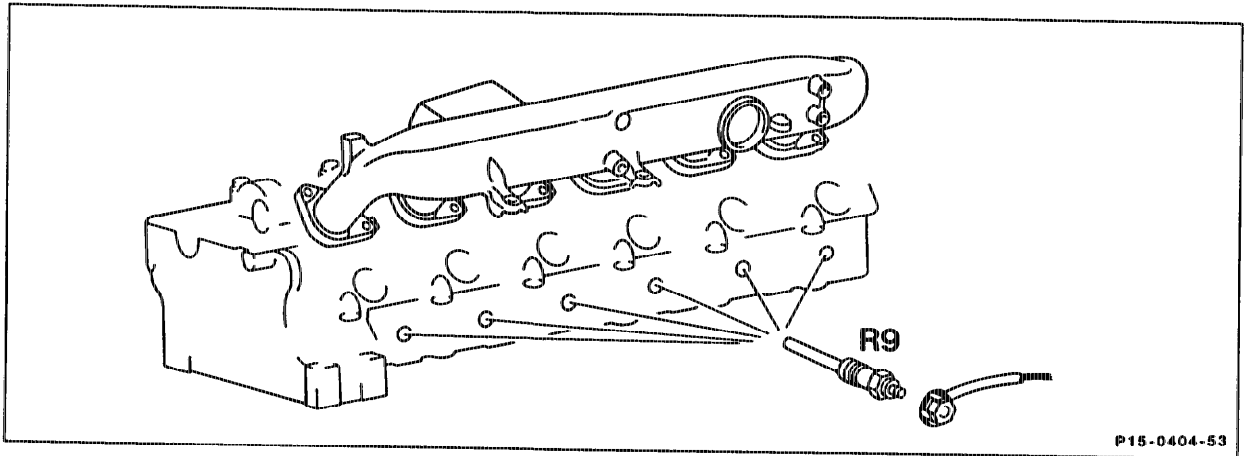


15-4111 Removing and Installing Glow Plugs

Preceding work:

Operation no. of operation texts and work units or standard texts
and flat rates: 15-4111



Cable to glow plugs	disconnect, connect.
Pencil-type glow plugs (R9)	remove, install.

Tightening torques in Nm

Quick-start pencil-type glow plugs	20 + 2 Nm
Cable to glow plugs	4 Nm

Commercially available tools and testers

Designation	e. g. make, order no.
3/8" ratchet with universal joint	

Distinguishing features of pencil-type glow plugs

Engine	603.96 up to 08/88	602.96 and 603.96 as of 09/88 602.96 (USA), 603.97 (USA) as of 1990	602.96 Std. and (USA), 1988	603.96 (USA) 1986 603.96 (J) 1987	603.96 (USA) 1986 and 1987
Injection/ Preglow system	Vertical injection without afterglow	Oblique injection precombustion chamber 5°/180° 1) 60 s afterglow	Oblique injection precombustion chamber 5° 2) 15 s afterglow	Vertical injection 15 s afterglow	Vertical injection extended preglow time
MB No.	000 159 81 01 000 159 83 01	001 159 00 01	000 159 96 01 000 159 99 01	001 159 02 01	000 159 96 01 000 159 99 01
Beru No.	0 100 221 107	0 100 221 162	0 100 221 138 0 100 221 153	0 100 221 164	0 100 221 138 0 100 221 153
Bosch No.	0 250 201 001	0 250 201 026	–	–	–
Length/trans- formation of glow tube in mm	25/0.7	23/1.3	27/1.3	25/1.3	27/1.3
Glow current after approx. 8 s in amperes	13–15	14–16	14–16	14–16	14–16
Identification	yellow	transparent with annular groove around hexagon	transparent black	olive	transparent black

1) Precombustion chamber angled 5° toward engine

2) Precombustion chamber angled 5° away from engine