

07.1–105 Checking maximum speed at no-load

Test value

Maximum speed at no-load (end of control range)

4900–5200/min

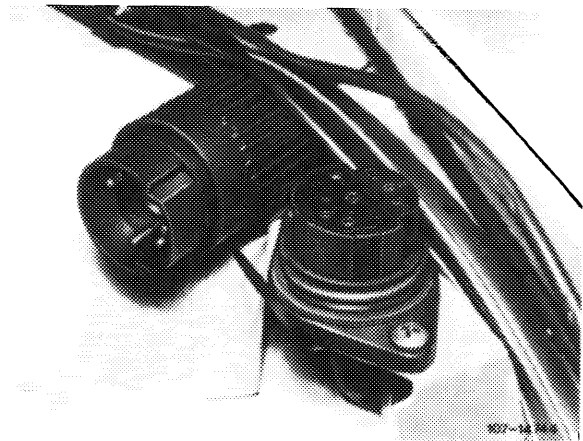
Conventional tester

Digital tester

e.g. Bosch, MOT 001.03

Checking

- 1 Connect digital tester to diagnosis socket.
- 2 Run engine to 60–80 °C coolant temperature.
- 3 Slowly accelerate to full throttle at accelerator pedal and read revolution counter. Engine speed should attain 4900–5200/min.



- 4 If engine fails to reach specified speed, check whether pressure applied to vacuum control unit at injection pump is negative or not, disconnecting hose from control unit for this purpose. If engine still fails to reach specified speed, remove injection pump and adjust maximum speed at no-load on a Bosch injection pump test bench.