

46.0

Checking Start of Manual Restriction

Revision: Change to International Measuring Units.

Data

Start of manual restriction with a force at steering wheel circumference of		approx. 7 N (0.7 kp)
Start of manual restriction	Measured with spring balance	max. 35 N (3.5 kg)
	Measured with torque wrench	600–800 Ncm (60–80 kpcm)

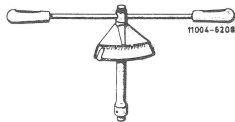
Special Tools

Spring balance



000 589 02 65 00

Torque wrench 4–16 Nm (40–160 kpcm)



000 589 67 21 00

Note

The manual restriction can be measured in vehicle with a spring balance or a torque wrench.

Checkup

- 1 Run engine at idling speed.
- 2 Connect spring balance (27) to a steering wheel spoke at a distance of 190 mm from steering wheel center. Then pull on steering wheel at an angle of 90° in turning direction (fig. 1).

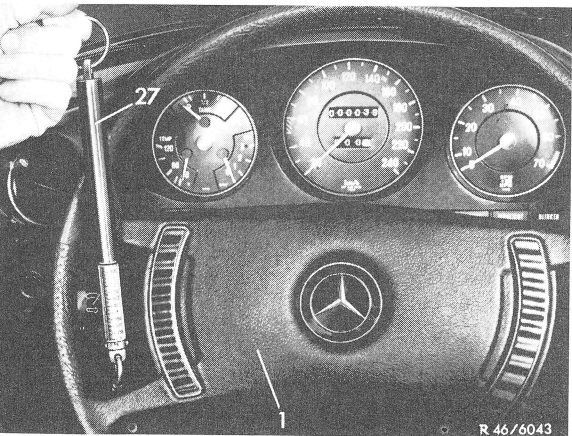


Fig. 1 1 Steering wheel 27 Spring balance

3 With perfectly functioning manual restriction, the required force for turning the steering wheel should not exceed max. 35 N (3.5 kp).

4 If the torque wrench (26) is used for measuring manual restriction, remove company symbol from steering wheel with a small screw driver. Then place torque wrench against hex. nut of steering spindle and measure the force required for turning the steering spindle, which should not exceed 600–800 Ncm (60–80 kpcm) (fig. 2).

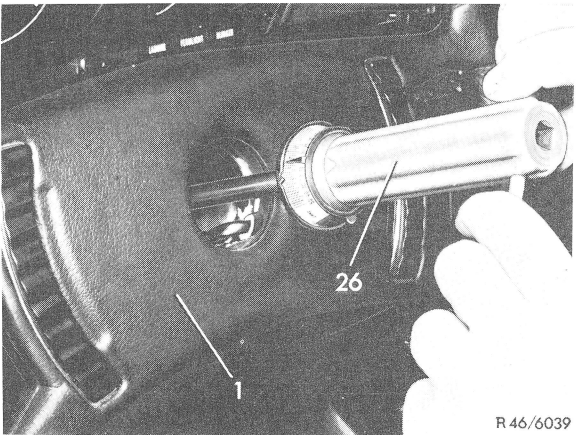


Fig. 2 1 Steering wheel 26 Torque wrench

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