

# Checking of Play in the Steering Assembly Units

Models 220, 219, 220a, 220S

Job No.

L 3

1. Check the play at the steering wheel.  
A maximum play of 25 mm is permissible at the circumference of the steering wheel (Fig. L 3/1).

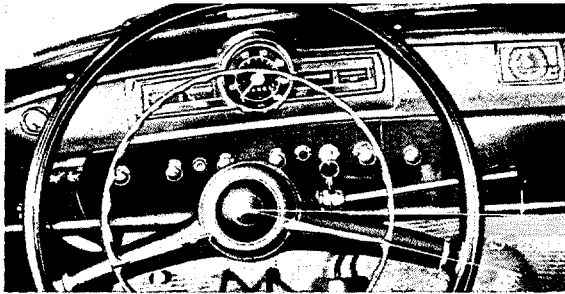


Fig. L 3/1

2. If the play at the steering wheel exceeds this amount, check the play in the component parts of the whole steering assembly. Check:
  - a) The wheel bearings; if necessary, adjust or replace the taper-roller bearings of the front axle.

- b) The king pins and bearing bushings by bushing the front wheels hard from side to side about the longitudinal axis. If necessary, replace the king pins or the bearing bushings.
  - c) The ball-heads by moving the tie-rod assembly vigorously. If necessary, replace the center tie-rod or the ball-heads of the tie rods.
  - d) The steering relay arm by moving it vigorously to and fro. If necessary, replace the steering relay arm or the bearing bushing in the pivot bearing (see Job No. L 11).
  - e) The steering by holding steady the steering gear arm whilst turning the steering wheel. If necessary, remove the steering and readjust the steering play (see Job No. L 4, paragraphs 28, 29 and 35 to 38).

**The steering play must not be readjusted with the steering installed in the vehicle.**