

4. Clean axle tube with compressed air. Care should be taken that no chips remain in the axle tube
5. Insert needle bearing in axle tube and drive in with short section of drift VW 273 a
6. Screw grease nipples into axle tubes, replace defective nipples

15 St

Checking Front Axle Tube

Special tools:

- (2) P 71 Sleeve to be inserted in axle tube when measuring with tool VW 256 a
- P 54 Puller for needle bearing bushing in axle tube
- VW 256 a Front axle tube alignment gauge

General

Front axle tubes which are suspected to be twisted or out of alignment due to an accident should be checked by means of the front axle tube alignment gauge VW 256 a.

Checking

1. Check inner suspension arm bearing bushings for wear. If necessary, install new bushings and ream them. Severely worn bushings do not allow accurate checking of the tube alignment
2. Pull out needle bearing bushings, using tool P 54 (14 St)
3. Insert 2 sleeves P 71 in place of the needle bearings
4. Insert the two mandrels of the VW gauge 256 a in the front axle tube as far as they will go
5. Apply test plate against the four test diameters of the mandrels and check for twist by means of a feeler gauge. Permissible out-of-parallel is .031" (0,8 mm)

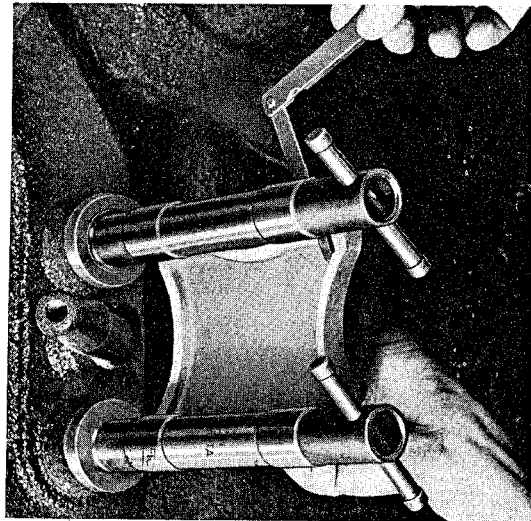


Fig. 58