

DISASSEMBLY AND ASSEMBLY OF FRONT AXLE

P 30 Brake drum puller
P 63 Puller for annular tapered bearing
VW 266 f Tie rod end remover

Special tools:

VW 156 Key 8 mm for tightening and loosening suspension arm center lock

1 St

Disassembly

1. Remove drums (2 St)

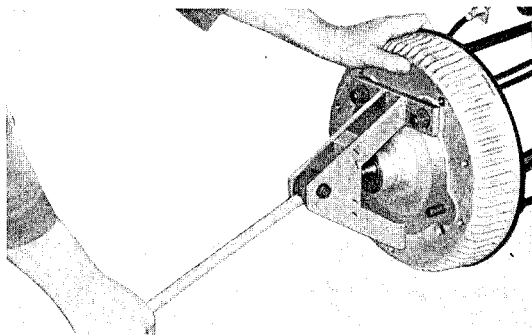


Fig. 3

2. Remove brake anchor plates

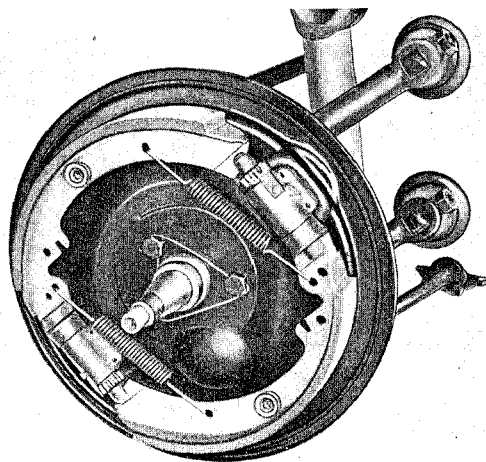


Fig. 4

3. Remove tie rods (19 St)

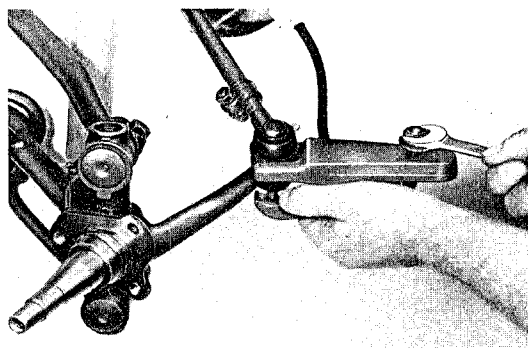


Fig. 5

4. Remove suspension arm link and stub axle (6 St)

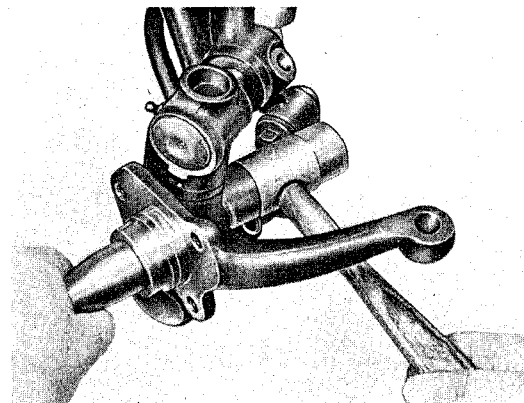


Fig. 6

5. Remove shock absorbers (16 St)

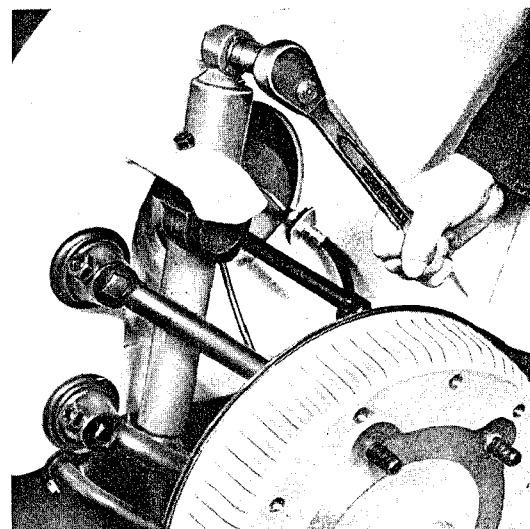


Fig. 7

6. Remove anti-roll bar (18 St)
7. Remove suspension arm (10 St)
8. Remove torsion bars (12 St)

Assembly

The front axle is assembled in reverse order, attention being paid to the instructions given in the following chapters.

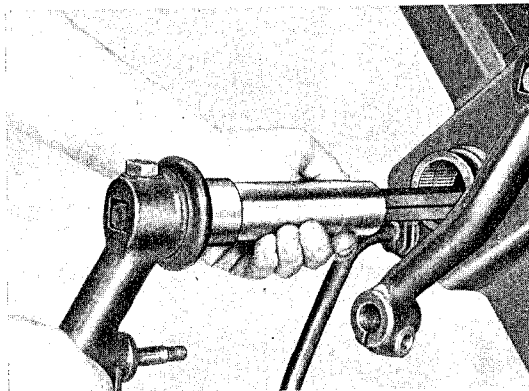


Fig. 8

2 ST

Removal and Installation of Front Wheel Brake Drum

Special tools:

- P 30 Brake drum puller
- P 63 Puller for annular tapered bearing

Removal

1. Take off wheel hub cap
2. Loosen wheel nuts
3. Jack up car
4. Take off wheel nuts and wheel
5. Remove speedometer drive shaft cotter pin on left front wheel.
7. Loosen cyl. screw in clamping nut and remove nut (right-hand thread on left and right stub axle).
Loosening and tightening of cyl. screw is done with a commercial 6 mm hex. socket wrench.

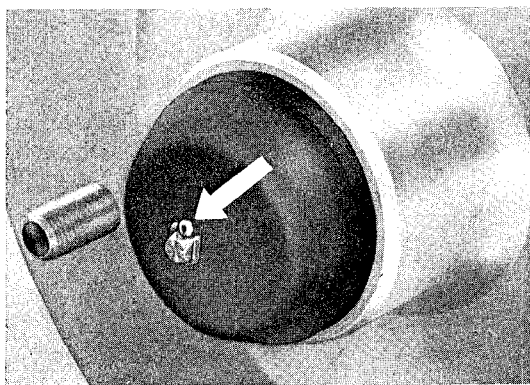


Fig. 9

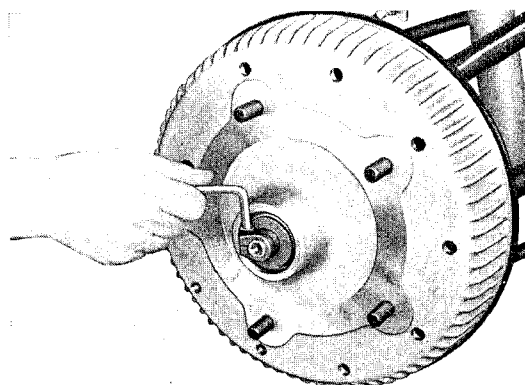


Fig. 10

6. Take off axle cover
8. Take out thrust washer

9. Remove brake drum with special tool P 30.

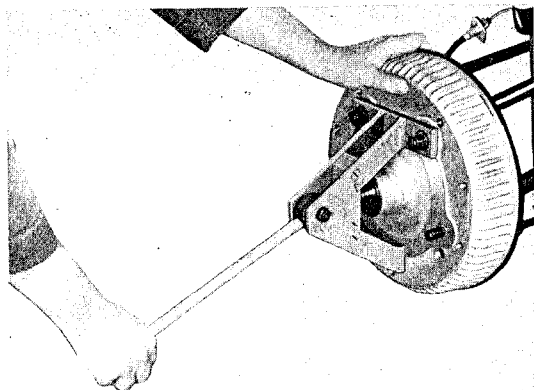


Fig. 11

Note: If an inner bearing should remain on the stub axle it can be pulled off by means of special tool P 63 (fig. 12).

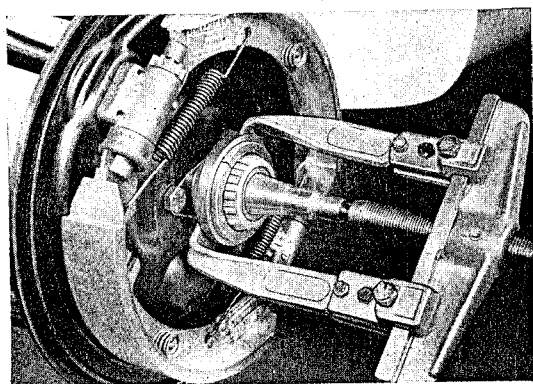


Fig. 12

Installation

Install brake drum in reverse order, observing the following points:

1. Brake surface of brake drum must be perfectly clean and should not show grooves. If necessary recondition brake drum as outlined in Group T of workshop manual.
2. Clean braking surface carefully, using fine-grained emery paper.
3. Clean hub in brake drum, front wheel bearing and seal
4. Check proper condition o front wheel bearing and seal
5. Grease and insert bearing with multi-purpose lithium-base grease. Take care that filling of one hub does not exceed approx. 1 1/2 ozs. (or 50 c. c. = 45 grams).
6. Mount seal and make sure that washer is correctly seated.
7. Place brake drum in position and insert by means of clamping nut on stub axle.
8. Adjust front wheel bearings (4 St).
9. Mount axle cover