

Lubricants

For hub grease cap

Grease type: Multi-purpose grease or anti-friction bearing grease. See coolant, fuel and lubricant specifications, pages 267 and 265 .

Grease amount: approx. 15 gr. (approx. to edge of flange)

Tightening torques

		Nm	(kpm)
Hex. bolts for brake caliper	M 12 x 1.5	115	(11.5)
Hex. socket screw for clamping nut	M 6	14	(1.4)

Special tools

Removal and installation tool for hub grease cap		000 589 91 33 00
Puller for front wheel hub		116 589 17 33 00
Puller for inner race of tapered roller bearing	basic tool	001 589 36 33 00
	tension jaws	000 589 01 34 00
Holder for dial gauge for adjustment of wheel bearing axle free play		116 589 12 21 00

Commercially obtainable tools

Dial gauge A1, DIN 878

e.g. Messrs. Mahr, Esslingen.
Order No. 810 St

Removal

- 1 Remove brake caliper ("Brakes, Steering" 42.1–100 or 42.2–100).
- 2 Pull the hub grease cap off the front wheel hub with the special tool (89) (Fig. 1).
- 3 Remove contact spring for radio interference suppression. Loosen hex. socket screw of the clamping nut on the steering knuckle spindle, unscrew the clamping nut and remove disc (Fig. 2).

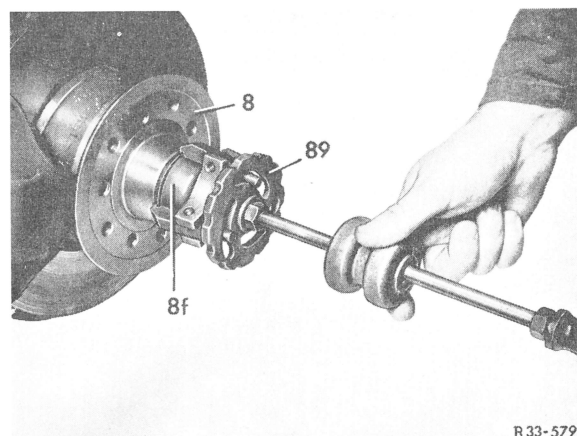


Fig. 1

8 Front wheel hub
8f Hub grease cap

89 Removal and installation tool

R 33-5797

33.1 Removal and Installation of Front Wheel Hub

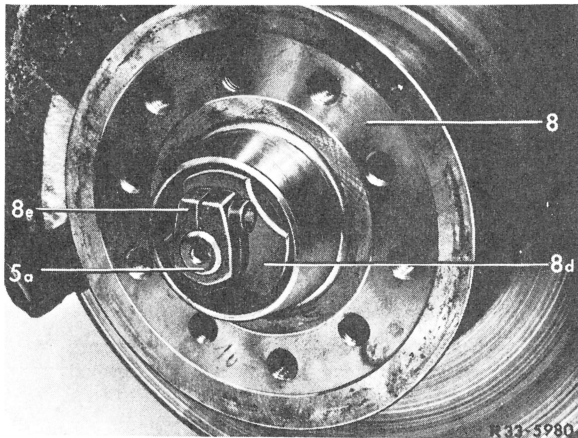


Fig. 2

- 5a Steering knuckle spindle
- 8 Front wheel hub
- 8d Disc
- 8e Clamping nut

4 Pull front wheel hub: use puller if necessary (Fig.3).

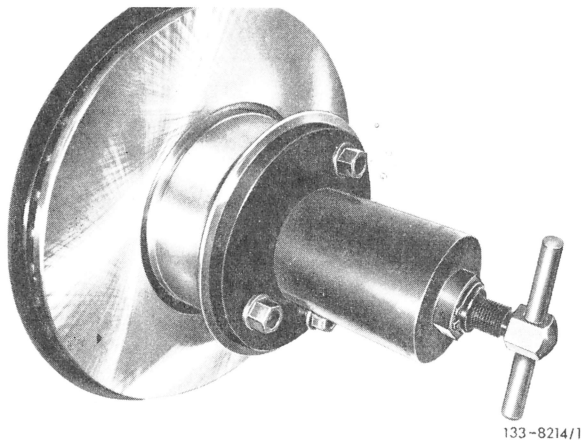


Fig. 3

5 Additional jobs if the inner race of the tapered roller bearing sticks to the steering knuckle:

- a) Pull the inner race of the tapered roller bearing off the steering knuckle (Fig. 4).
- b) Remove the radial sealing ring from the steering knuckle.

6 Check steering knuckle spindle (33.1-410).

7 Check front wheel hub, tapered roller bearing and radial sealing ring (33.1-320).

8 Check brake disc ("Brakes, Steering" 42.1-220 or 42.2-220).

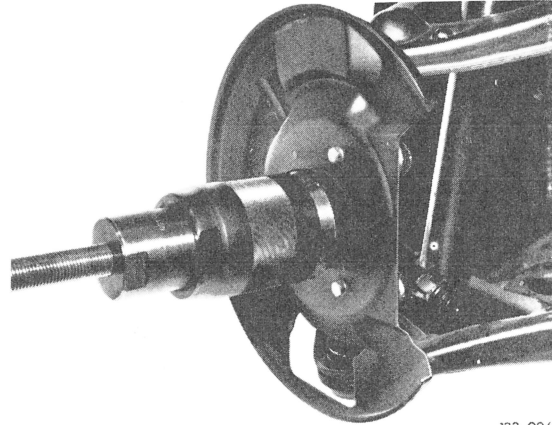


Fig. 4

Installation

9 If necessary, install inner race of inner tapered roller bearing and radial sealing ring into the front wheel hub (33.1-320).

10 Apply a thin layer of grease to the contact surface for the radial sealing ring in the steering knuckle spindle.

11 Press the wheel hub onto the steering knuckle spindle, insert the inner race with the roller cage of the outer tapered roller bearing. Put disc on and screw on clamping nut (Fig. 5).

12 Adjust axial free play of wheel bearing (33.1-300, No. 5-9).

13 Fasten brake caliper to steering knuckle with a new cover plate ("Brakes, Steering" 42.1-100 or 42.2-100).

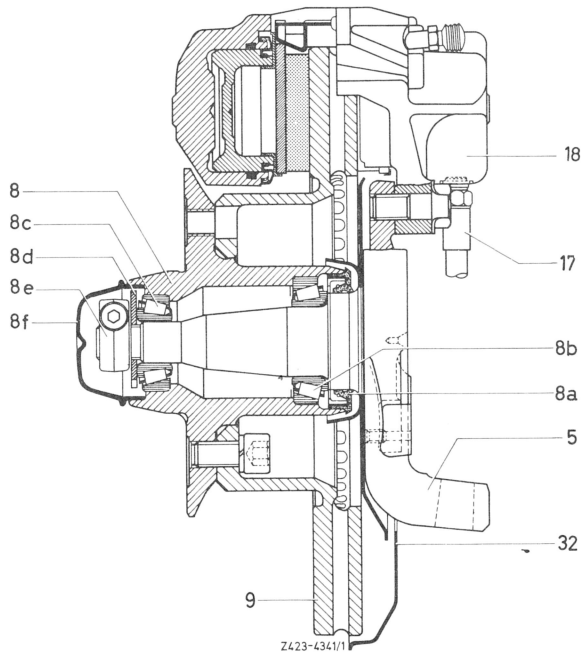


Fig. 5

- | | |
|---------------------------------|-------------------|
| 5 Steering knuckle | 8e Clamping nut |
| 8 Wheel hub | 8f Hub grease cap |
| 8a Radial sealing ring | 9 Brake disc |
| 8b Outer tapered roller bearing | 17 Brake hose |
| 8c Inner tapered roller bearing | 18 Brake caliper |
| 8d Disc | 32 Cover plate |

14 Install contact spring for radio interference suppression (Fig. 6).

15 Fill hub grease cap with anti-friction bearing grease (Fig. 6).

16 Press hub grease cap on with special tool (Fig. 1).

17 Mount front wheel. Lower vehicle.

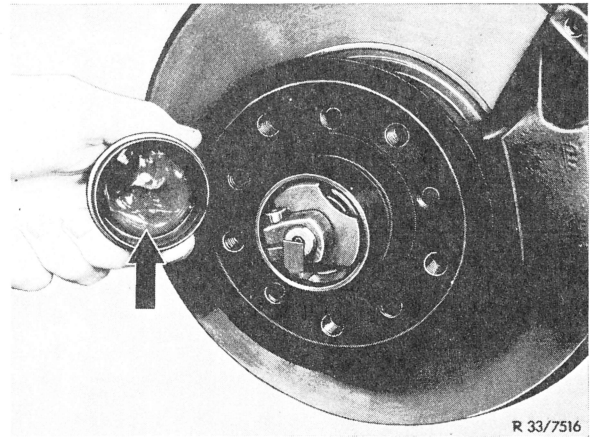


Fig. 6