

## 33-310 R and R front wheel hub

### Data

Wheel bearing end play	0,01–0,02
------------------------	-----------

### Lubricants

Quantity	In wheel cap: Grease quantity approx. 15 g (approx. up to beaded edge)
Series grade: up to October 1982	Anti-friction bearing grease (refer to Specifications for service products sheet 265)
Series grade starting November 1982 and repair grade <sup>2)</sup>	High-temperature anti-friction bearing grease (refer to Specifications for service products sheet 265.1) <sup>1)</sup>

<sup>1)</sup> Available in screw cans of 150 g, part no. 000 989 49 51.

<sup>2)</sup> The high-temperature anti-friction bearing grease has already been used on vehicles with floating caliper brake (model 126.043/126.044) from start of series September 1981.

### Tightening torque

Nm

Self-locking hex. head fitted screw for fastening	115
– fixed caliper to steering knuckle:	90
– floating caliper to steering knuckle:	

Hex. socket screw of clamping nut	14
-----------------------------------	----

### Special tools

Pulling and mounting tool for wheel cap		116 589 22 33 00
---	---	------------------

Pulling tool for front wheel hub		116 589 17 33 00
----------------------------------	---	------------------

Pulling tool for tapered roller bearing inner race	Basic unit		001 589 36 33 00
	Collet		000 589 00 34 00

Holder for dial gauge for adjusting wheel bearing end play		363 589 02 21 00
--	---	------------------

### Conventional tool

Dial gauge A 1 DIN 878	e. g. made by Mahr, D-7300 Esslingen order no. 810
------------------------	---

## 33-310 R and R front wheel hub

---

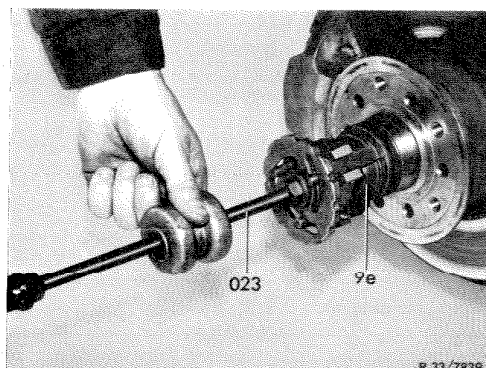
### Note

To prevent mix-ups, fill front wheel hubs during repairs suitably with high-temperature anti-friction bearing grease only. When subsequently using high-temperature anti-friction bearing grease in front wheel hubs which were previously filled with anti-friction bearing grease or multi-purpose grease, replace complete grease charge throughout. Avoid mixing high-temperature anti-friction bearing grease with anti-friction bearing grease or multi-purpose grease.

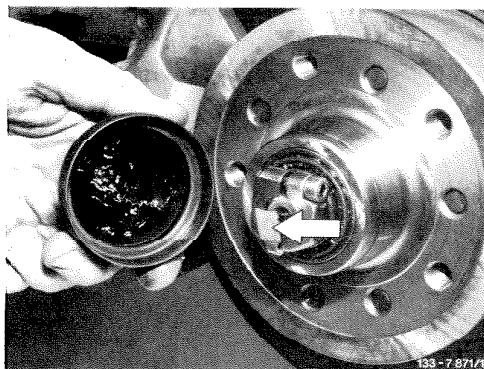
### Removal

---

- 1 Jack-up vehicle, remove front wheel.
- 2 Pull-off wheel cap (9e) with device (023).



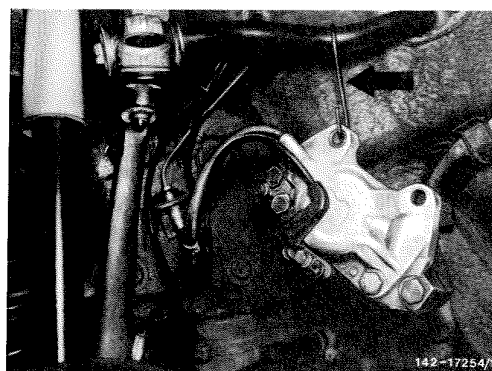
- 3 Remove contact spring for radio suppression.



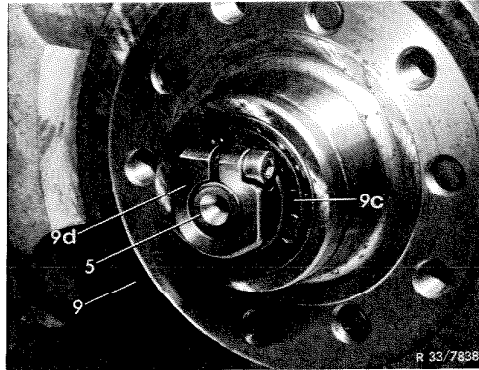
- 4 Unscrew brake caliper from steering knuckle and attach to wheel house by means of a suitable hook.

#### Attention!

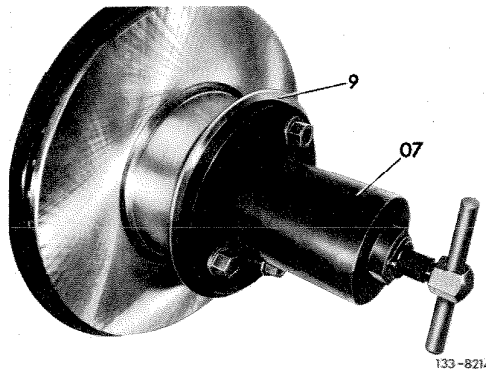
Do not put brake hose under tensile stress!



5 Loosen hex. socket screw of clamping nut (9d) on wheel spindle (5), unscrew clamping nut.

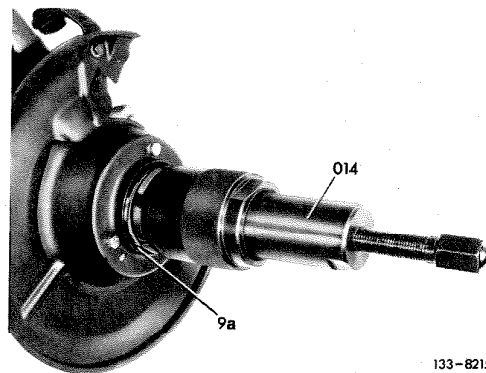


6 Pull-off front wheel hub (9) together with brake disc, using puller (07), if required.



7 Additional jobs if tapered roller bearing inner race is stuck on steering knuckle:

- a Pull tapered roller bearing inner race from steering knuckle by means of device (014).
- b Remove radial seal (9a) from steering knuckle.



8 Check front wheel hub, tapered roller bearing and radial sealing ring (33-320).

### Installation

10 If required, install tapered roller bearing inner race of inner tapered roller bearing and radial sealing ring into front wheel hub (33-320).

11 Coat running surface for radial sealing ring on wheel spindle lightly with grease.

12 Push front wheel hub with brake disc screwed-on onto wheel spindle, insert inner race with roller cage of outer tapered roller bearing and screw-on clamping nut.

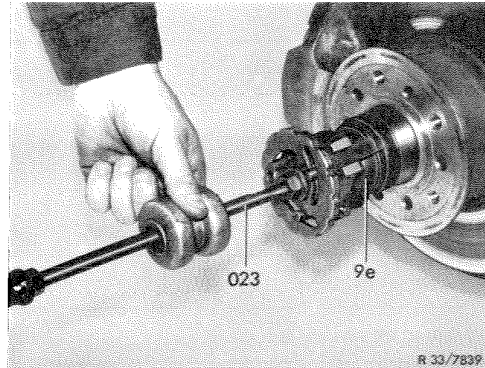
13 Adjust wheel bearing end play (33-300).

14 Fasten brake caliper to steering knuckle with new self-locking hex. head fitted screws (42-100).

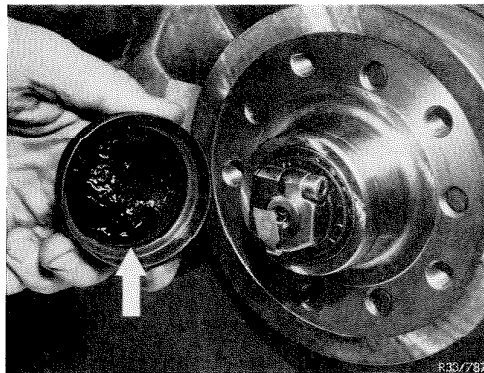
### Attention!

Do not rotate brake hose and do not put under tensile stress!

15 Insert contact spring for radio suppression.



16 Fill wheel cap with specified grease.



17 Press-on wheel cap with device (023).

18 Mount front wheel, lower vehicle.

