Special tools: 951 2050 , 999 2722 , 999 5085 , 999 5088 , 999 5242 , 999 5310 , 999 5340 , 999 5341 , 999 5540 , 999 5659

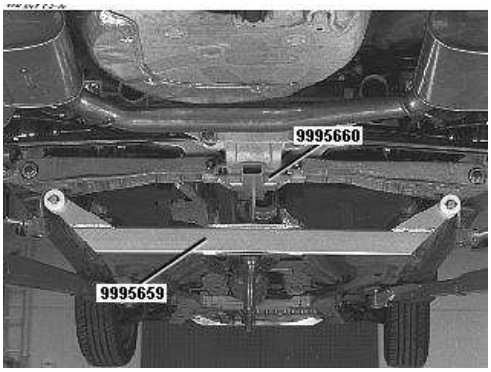
Removing wheel bearings

Raise the car

Remove:

- the wheel.

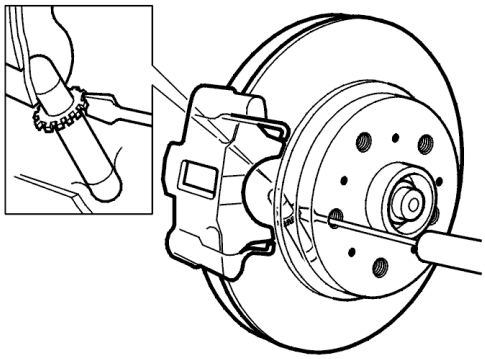
Installing the tensioner



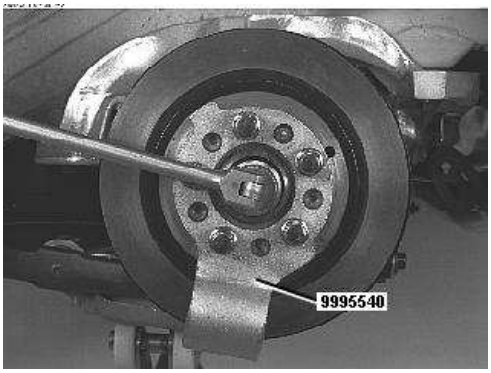
Install:

- tensioner 999 5659 . See: Use of tensioner 999 5659 .

  Apply tensioner 999 5659 lightly against the control arm.



* Slacken off the parking brake adjuster
* Slacken off the brake shoe adjuster as much as possible
* Turn the brake disc so that one of the wheel stud holes is opposite the adjustment gear wheel for the brake shoe
* Turn the gear wheel as far as it will go. Use a screwdriver.



Press up the tensioner into the normal position. See: Normal position

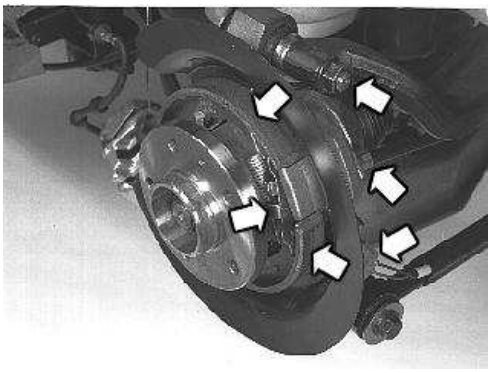
Remove:

- the drive shaft nut. Use counterhold 999 5540
- the brake calliper, hang it up with a piece of wire
- the locating pin
- the brake disc. Mark the position of the brake disc in relation to the locating pin.

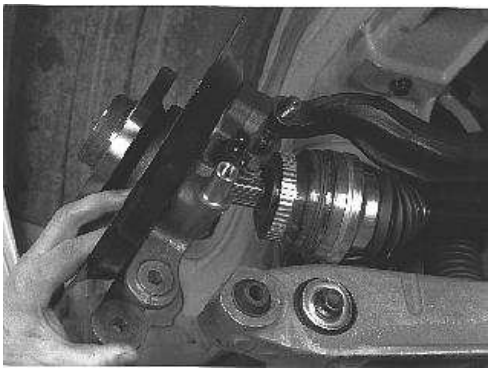
Remove:

- the parking brake shoes
- the expander from the parking brake cable
- the cable from the wheel bearing housing
- the nut for the upper control arm bushing
- the ABS sensor. Tape the sensor to the track rod.

Note! Do not disconnect the connector.

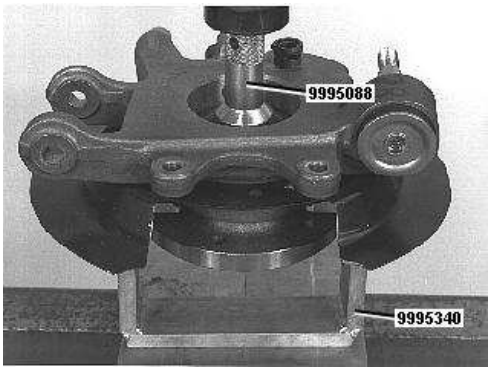


Tap out the screw for the control arm bushing to release it from the wheel bearing housing.



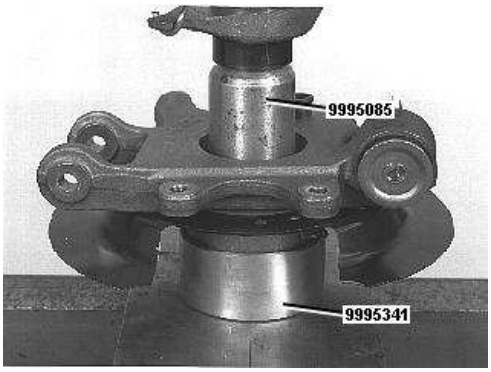
Remove:
- the track rod screw.

  Pull the track rod off the wheel bearing housing
- the nut for the control arm screw. Tap out the screw with a brass drift
- wheel bearing housing.



Press out the hub

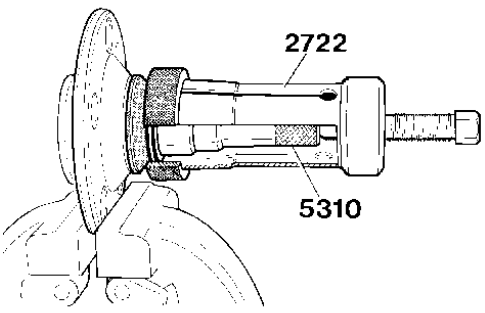
Position counterhold 999 5340 between the hub and the wheel bearing housing.
Position the wheel bearing housing in the press.
Press out the hub with drift 999 5088 .



Remove the circlip holding the bearing in the wheel bearing housing

Press the bearing out of the wheel bearing housing.

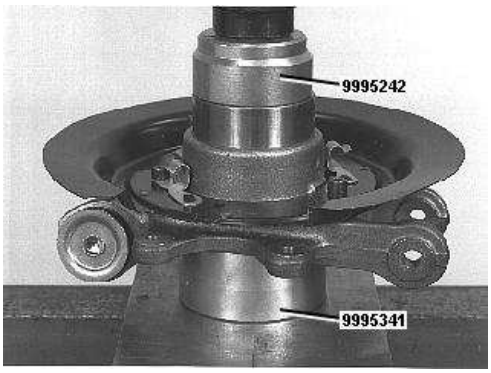
Use counterhold 999 5341 and drift 999 5085 .
Position the drift on the inner ring.



Pull the inner ring off the hub

Use puller 999 2722 and counterhold 999 5310 .

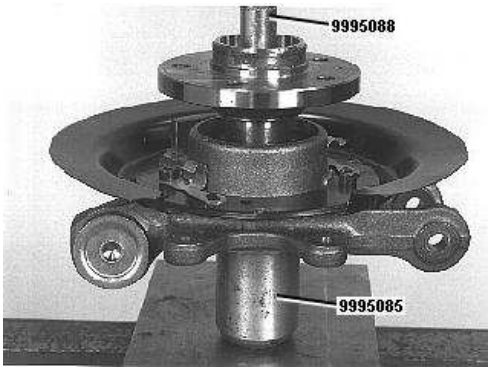
Installing wheel bearing



Press in the bearing

Use drift 999 5242 and counterhold 999 5341 .

Install the snap ring.

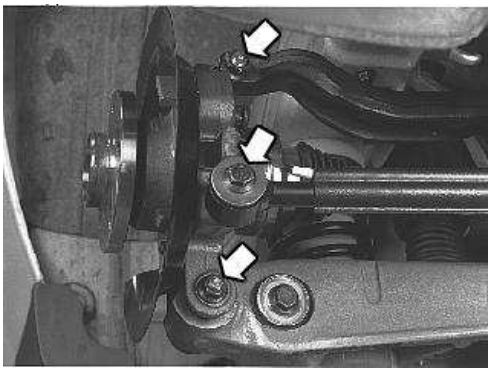


Press on the hub

Use drift 999 5088 and counterhold 999 5085 .

Caution! It is very important to position the counterhold on the inner ring otherwise the bearing will be damaged.

Installing the wheel bearing housing



Align the wheel bearing housing with the upper control arm and drive shaft

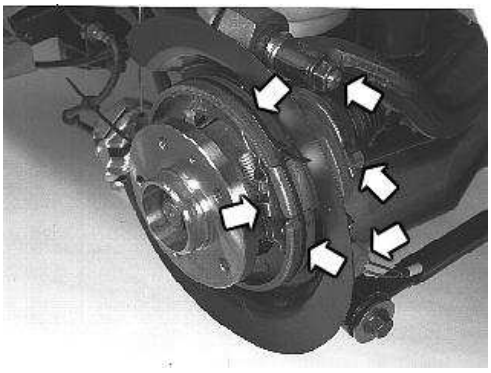
Install:

- the screw and nut for the control arm.

  Tighten to **80 Nm**
- the track rod.

  Tighten to **80 Nm**
- the nut for the upper control arm.

  Tighten to **115 Nm**.



Install:

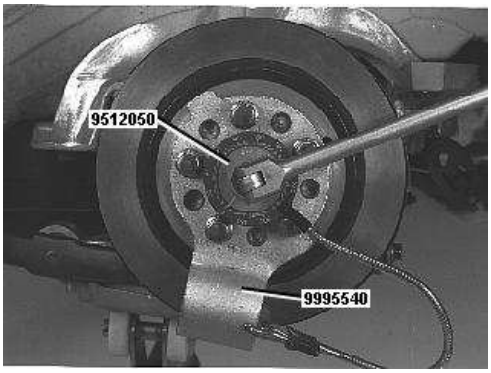
- the parking brake cable to the wheel bearing housing with the clip
- the expander to the parking brake cable.

  The arrow on top of the expander must point forward
- the parking brake shoes with holders and springs.

  Hold the brake shoes in place with tie straps during installation
- the ABS sensor.

Install:

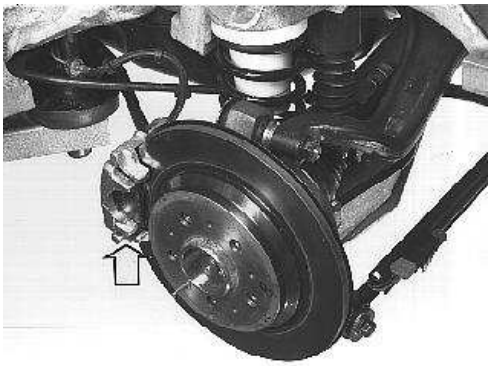
- the brake disc according to the previous



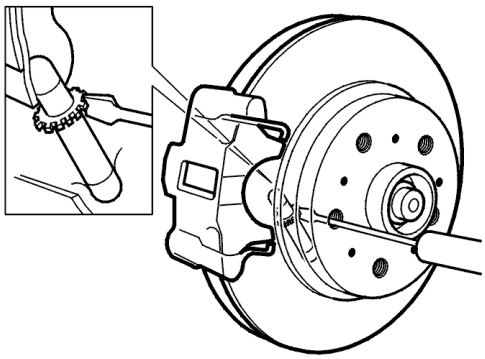
marking
- the locating pin. Tighten to **10 Nm**
- a **new** drive shaft nut.

Tighten to **140 Nm**. Angle tighten **60°**.

Use counterhold 999 5540 and bevel protractor 951 2050 .



Install the brake calliper
Use **new** screws.
Tighten to **60 Nm.**



* Check that the parking brake is not applied
* Turn the brake disc so that one of the wheel stud holes is opposite the adjustment gear wheel for the brake shoe
* Adjust until the brake disc cannot be turned. Then undo the adjuster approximately 6 notches. Use a screwdriver.

Install:
- the wheel according to: Tightening the wheel studs .

Fully relieve tensioner 999 5659 and remove it.