

Front wheel hub, replacing

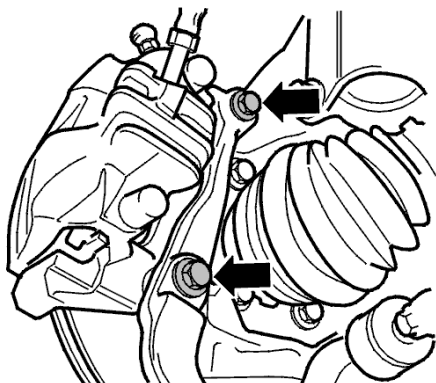
Special tools: [951 2050](#)

Removal

Removing brake calipers

Remove:

- the wheel
- the brake caliper and limiter screws.
Hang the caliper up using a piece of wire.



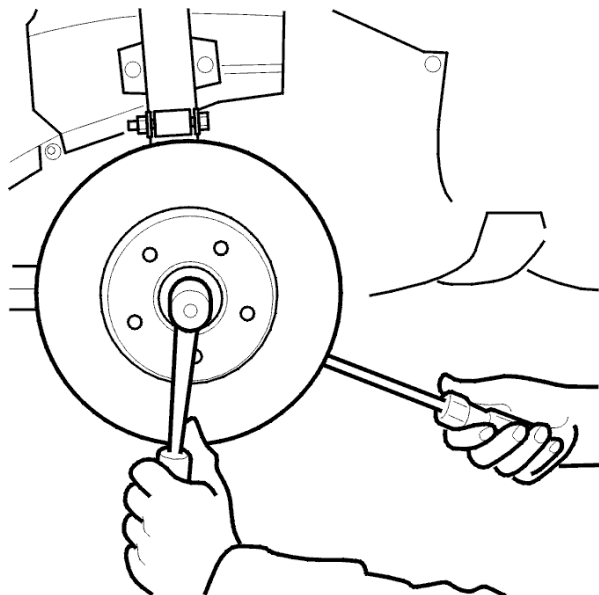
Removing the drive shaft

Remove:

- the drive shaft screw. Use a screwdriver as a counterhold on the brake disc
- the locating pin holding the brake disc
- the brake disc.

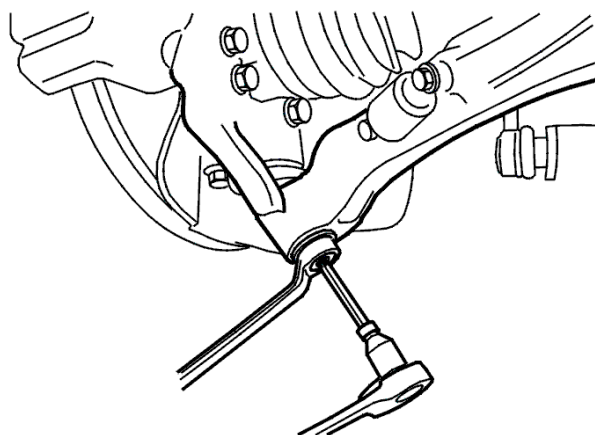
Slacken off the end of the drive shaft in the hub by knocking the drive shaft into the hub approximately **10–15 mm**.

Use a rubber or copper mallet.



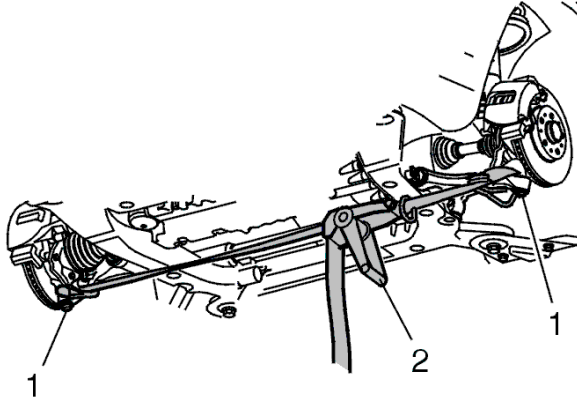
Exposing the control arm

Remove the nut holding the control arm. Use a Torx spanner as a counterhold.



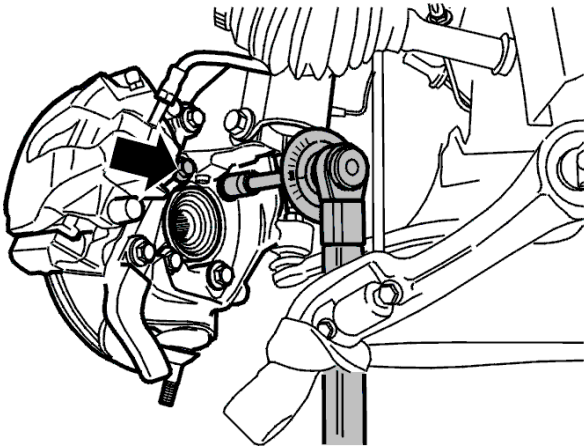
Warning! Ensure that the tension strap is correctly secured in the control arms.

- Pull down the control arm (1) using the tension strap (2)
- Release the spring strut from the control arm.



Removing the drive shaft

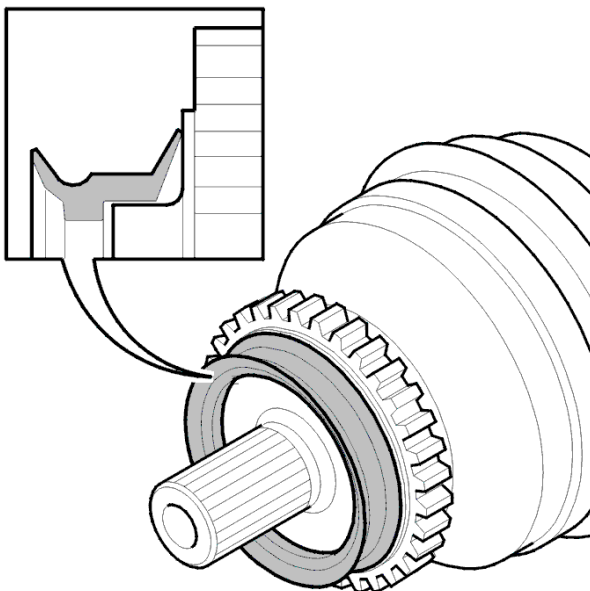
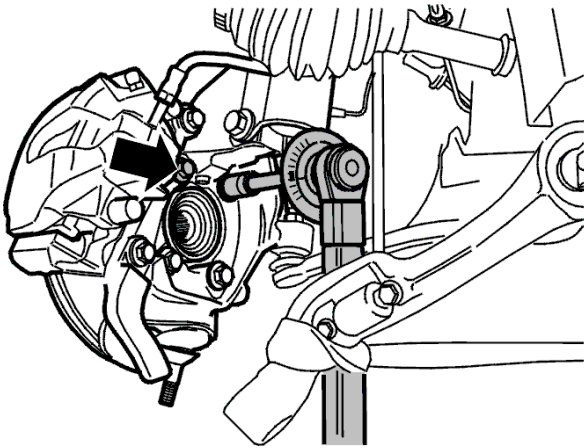
- Remove the drive shaft. Knock the drive shaft out using a brass drift. Hang the drive shaft as illustrated
- Secure the spring strut in position
- Remove the 4 screws for the hub.



Installation

Installing the hub

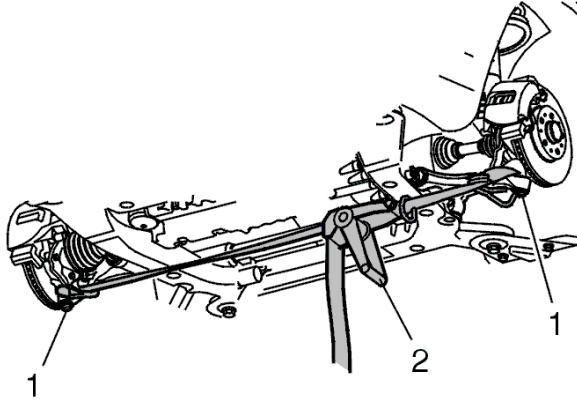
- Install the hub. Use new screws
- Tighten crosswise to **20 Nm**
- Then tighten to **65 Nm**
- Angle-tighten **60°**. Use bevel protractor [951 2050](#).



Turn in the spring strut and position the drive shaft in the hub.

Note! Check that the seal is not worn or damaged.

Installing the drive shaft



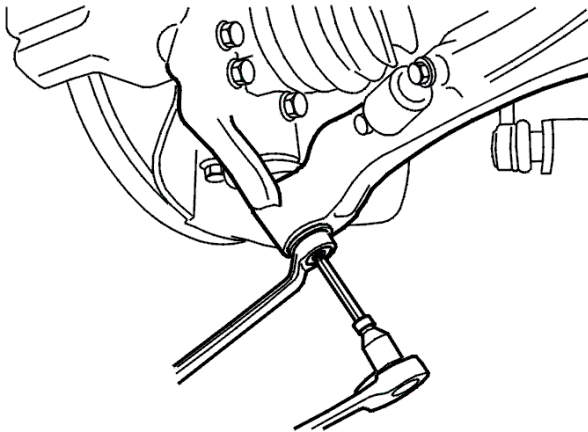
- Install the screw loosely on the drive shaft. Use a new screw
- Align the ball joint in the control arm
- **Note! Be very careful when releasing the tension strap.**
- Release the control arm slowly using the tension strap.

Installing the ball joint

Install a new nut on the ball joint.

Note! The ball joint must not rotate. Use a Torx spanner as a counterhold so that the rubber boot is not damaged.

Tighten to **80 Nm**.



Installing the brake disc

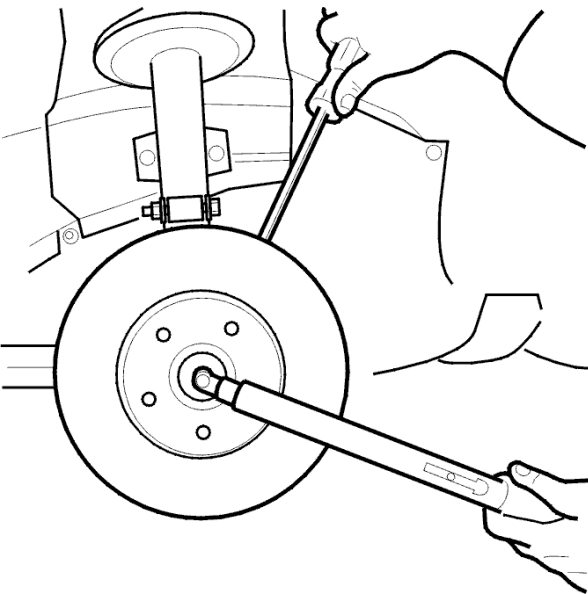
Install the brake disc.

Tighten the brake disc locating pin. Tighten to **8 Nm**.

Note! Ensure that the brake disc and wheel rim hub mating surfaces are clean.

Tighten the new drive shaft screw. See [Tightening torque](#) .

Use bevel protractor [951 2050](#) .



Installing brake calipers

- Install the brake caliper and the limiter
- Use new screws
- Tighten to **100 Nm**
- Install the wheel. See [Installing wheels](#) .

