

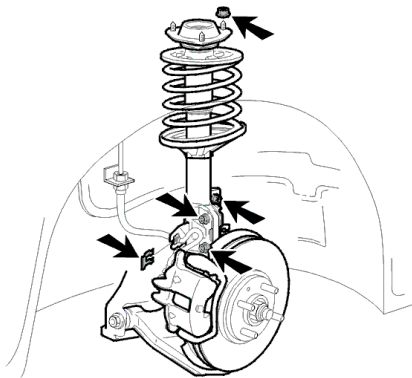
**72: Replacing the springs**

S40 (-04), 2002, B4204T3 (CA) (US), AW55-50/51SN, L.H.D

6/9/2018

**PRINT****72: Replacing the springs****Spring strut and spring front, replacing****Special tools:**

951 2911  
 951 2914  
 951 2915  
 951 2564  
 999 5500  
 999 5576  
 999 5758

**Removing the spring strut**

**Note!** From model year 2001, the spring type installed in the car is shown on the car identification plate. For information about the car spring type, see **Identifying the chassis type** .

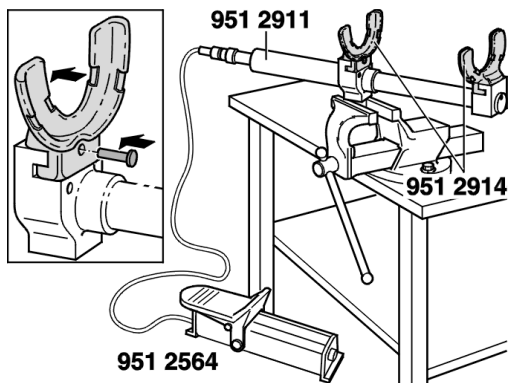
Raise the car. Remove the wheel.

**Remove:**

- the clamp and brake hose from the bracket
- the ABS cable from the bracket
- the anti-roll bar link from the spring strut
- the two screws for the wheel spindle
- the wheel spindle from the spring strut
- the three nuts. Remove the spring strut.

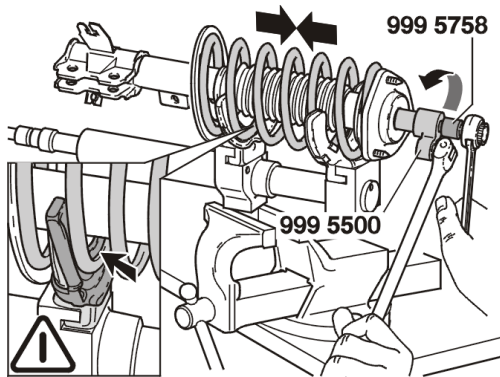
**Assembling the special tool**

Secure tool 951 2911 in a vise. Install both the spring holders 951 2914 . Remove the catch. Raise the spring holders. Reinstall the catch. If necessary, remove the other holders first.



Connect tool 951 2564 or 999 5576 to connecting hose 951 2915 .

### Disassembling the spring strut



- Hook the hooks on the tool over as many spring spirals as possible
- Compress the spring by pumping the tool, always ensuring that the spring is correctly positioned in the catches
- Compress the spring until it is released.

#### Hint:

Note the position of the components. This will make installation easier.

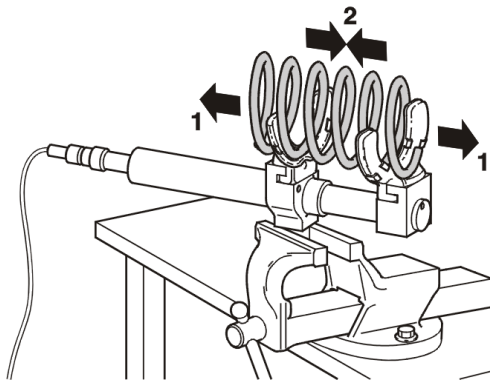
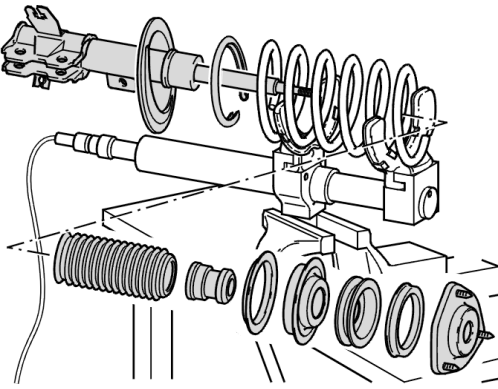
- Remove the dust boot
- Remove the nut using special tool 999 5500 (socket) and 999 5758 .

#### Remove:

- the spring strut mounting
- the bearing
- the support plate
- the spring
- the stop and the dust boot.

### Checking the spring strut

- Remove the bump stop from the dust boot
- Check all components for wear. Replace as necessary.

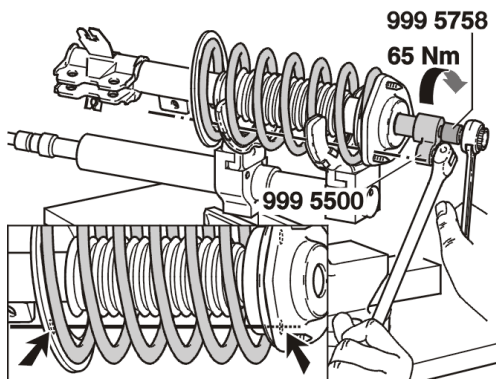


### Replacing the spring

- Remove the spring
- Remove the spring. Note the location
- Install the new spring with as many turns as possible between the spring holders
- Tension the spring so that the shock absorber mounting can be installed again.

**Note! The color code on the spring must be downwards towards the spring strut.**

### Assembling the spring strut



**Caution!** If the car is a "Sport" or "Dynamic" version, the spring plates are installed at an angle of 20°. To identify the spring type, see Identifying the chassis type . To assemble the spring strut for "Sport" or "Dynamic" models, see Spring strut front (Sport/Dynamic), assembling .

Lubricate the stop using petroleum jelly. Install the stop in the dust boot. Pull out the shock absorber rod completely.

Install:

- the rubber stop and dust boot
- the rubber on the underneath
- the spring strut through the spring
- the rubber on top
- the upper spring seat
- the mounting

- the upper mounting for the spring strut
- the nut. Finger tighten.

Install the upper spring seat so that the holes in both the spring seats line up.

Carefully release the spring and check that it is correctly positioned in the stop at the spring seats.

Use special tool 999 5500 and 999 5758 . Tighten the nut. Tighten to **65 Nm**.

Coat the bearing in grease.

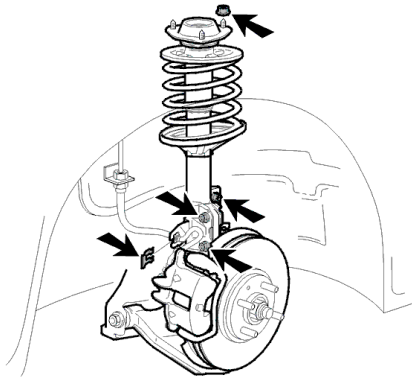
Install dust cover.

Remove the spring strut from the special tool.

### Installing the spring strut

Install the spring strut. Tighten the three nuts by hand.

Install the two screws for the wheel spindle. Tighten to **90 Nm**.



Install:

- the link for the anti-roll bar. Tighten to **45 Nm**
- the brake hose and the ABS cable in the bracket
- the wheel. See Front wheel bearing/hub/wheel spindle, replacing: Install the wheel
- the three nuts. Tighten to **40 Nm**.

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