

611: Wheel spindle, spring strut

XC90, 2008, B6324S, TF-80SC AWD, YV4CZ982081451588, 451588

23/3/2015



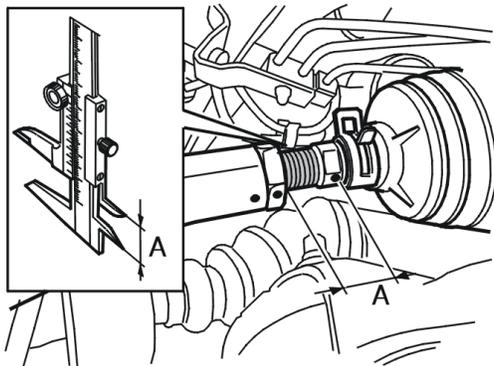
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611: Wheel spindle, spring strut**Limiters, replacing****Special tools:**

999 7083

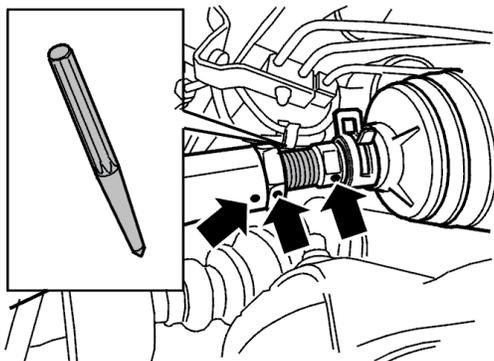
999 7020

Note! As the illustrations in this service information are used for different model years and / or models, some variation may occur. However, the essential information in the illustrations is always correct.

Removal**Removing limiter**

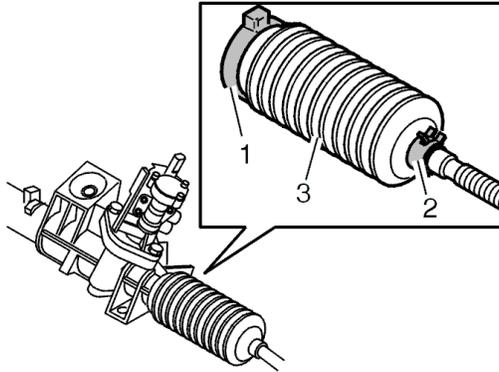
Remove the wheel.
Clean the boot and the surrounding area thoroughly.

Measure the distance between the lock nut and the edge of the wrench grip.
Note the measurement.

Marking

Mark up the ball joint, the lock nut and the **tie rod** as illustrated.
Front wheel alignment is not necessary if the outer steering arm is secured in the original position.

Removing the outer steering arm and



boot

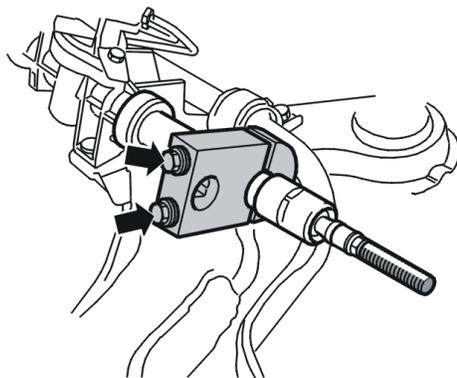
Remove the steering arm from the wheel spindle
Slacken off the lock nut.

Remove:

- the steering arm and the lock nut
- the clamps (1) and (2).

Tape the threads on the inner steering arm to protect the boot when removing.
Remove the boot (3).

Installing the counterhold



Clean the surfaces on the steering rack and the tool **thoroughly**.

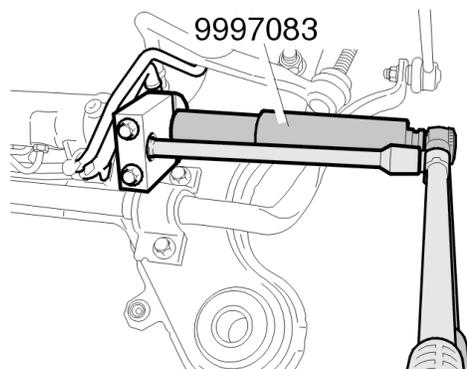
Note! Cleanliness is very important as the seals in the steering gear are sensitive to scratches on the rack.

Install counterhold 999 7020 .

Tighten to **25 Nm** .

Position the counterhold as close to the limiter as possible. When replacing with a longer limiter, measure the new limiter and position the counterhold so that there is enough space for the new limiter.

Removing limiter



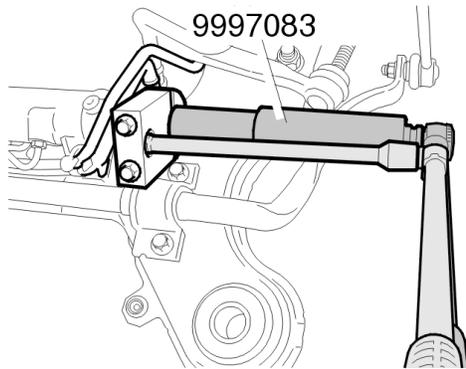
Use tool 999 7083 to remove the steering arm. Ensure that the connecting rods used are the same length.

Remove:

- the steering arm from the steering gear
- the limiter.

Installation

Installing limiter



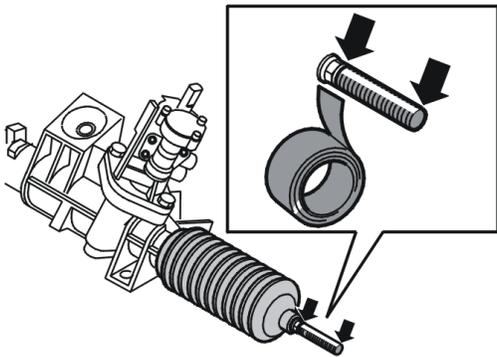
Install:

- the new limiter
- the **tie rod**. Use thread sealant **1161053**. For tightening see Tightening torque .

Remove counterhold 999 7020 and socket 999 7083 .

Clean the steering rack after removing the tools. Check the steering rack for damage.

Installing the boot

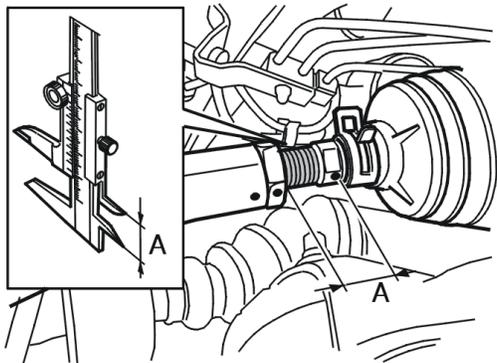


Check that the boot is undamaged. Use a new boot if in any doubt.

Ensure that the tape is in place on the threads. Install the boot using new clamps.

Remove the tape.

Installing the outer steering arm



Install:

- the outer steering arm. Ensure that the markings and the measurements more or less correspond
- the steering arm on the wheel spindle. Use a counterhold and tighten. For tightening torques, see Tightening torque .

Adjust so that the markings and measurement A correspond to the tightened lock nut.

Tighten the locknut. For tightening torques, see Tightening torque .

Install the wheels. See Installing wheels .

23/ 3/ 2015

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