

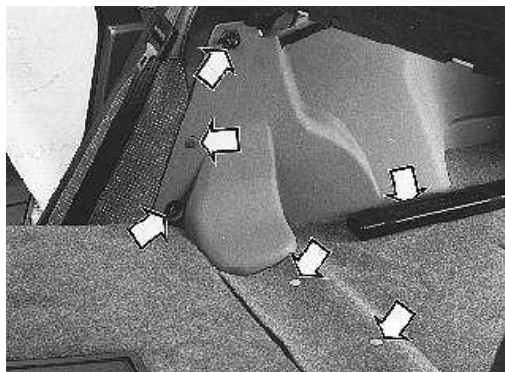
Replacing spring/shock absorber

Special tools: [999 5498](#) , [999 5499](#) , [999 5500](#) , [999 5501](#) , [951 2050](#)

Note! If replacing spring only continue to [Replacing spring](#) .

4 door, early version

Fold the backrests forward. Release the front edge of the cargo compartment carpet



Remove support panel under front edge of carpet

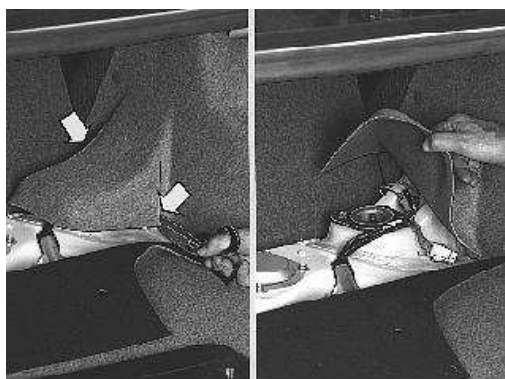
Disconnect front edge of side panels, push to one side

Remove backrest catches and panel retaining clip.

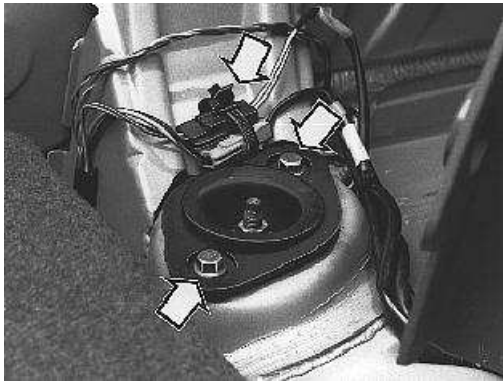
4 door, new version

Remove support panel as described above

Cut side panel vents in the front and rear edges as illustrated. Turn up the panel cover which covers the shock absorber mounting



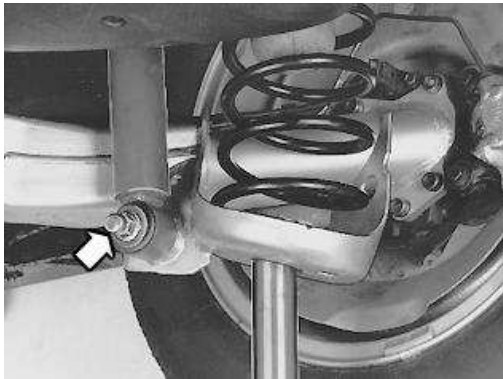
Raise the rear suspension so that the wheels are clear of the ground



Remove the two upper shock absorber mounting screws

Caution! The spring should not be under load when the screws are removed.

Raise the car

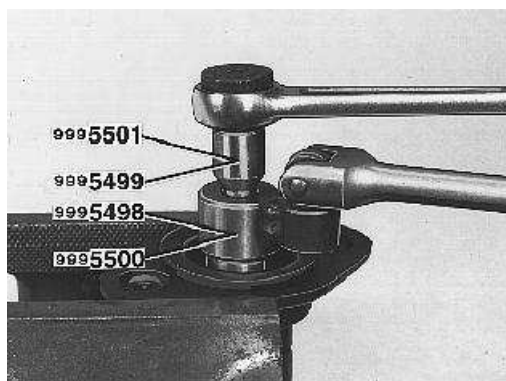


Press up trailing arm so that load is taken from the shock absorber

Use a mobile jack. Position it on the recess for the spring mounting screw.

Slacken off shock absorber from lower mounting. Pull off shock absorber from shaft journal and lower trailing arm

Lower car and lift out shock absorber with upper mounting



Remove shock absorber upper mounting

Check the mounting bushing for wear and damage. Replace if necessary.

Use socket **999 5498** and wrench **999 5499** for standard shock absorbers. For Nivomat shock absorbers use socket **999 5500** and wrench **999 5501** .

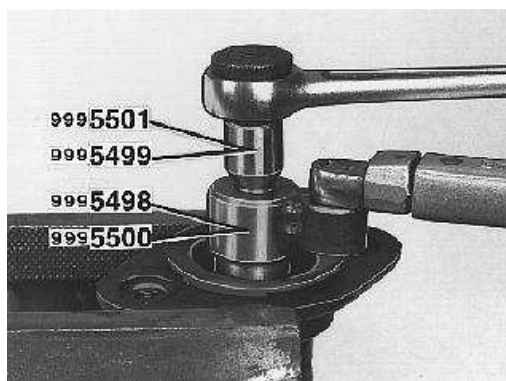
Install mountings onto the new shock absorber

Use a new nut

Tighten nut:

- shock absorbers to **40 Nm**
- nivomat shock absorber and M12 nut to **40 Nm**
- for Nivomat shock absorber and M10 nut to **20 Nm**. Angle-tighten **90°**.

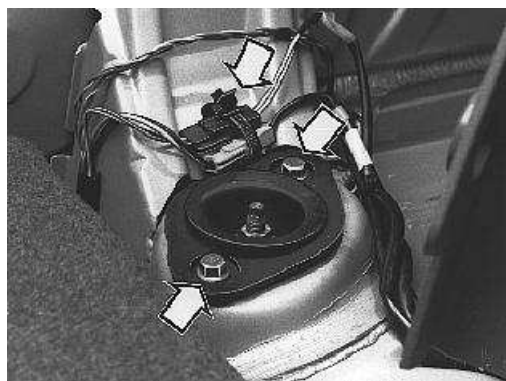
Use the same tools as in the previous paragraph and a protractor **951 2050** .



Reinstall shock absorbers in car

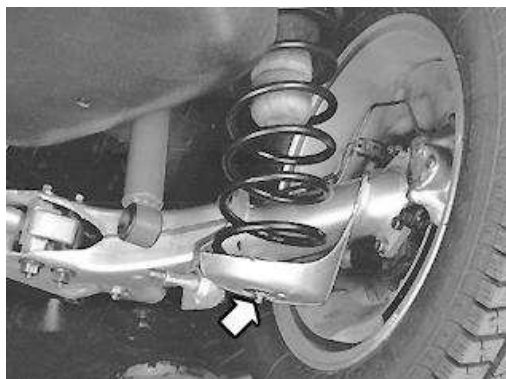
Tighten mounting screws a few turns.

Caution! If replacing shock absorber only continue to **Replacing shock absorber** .

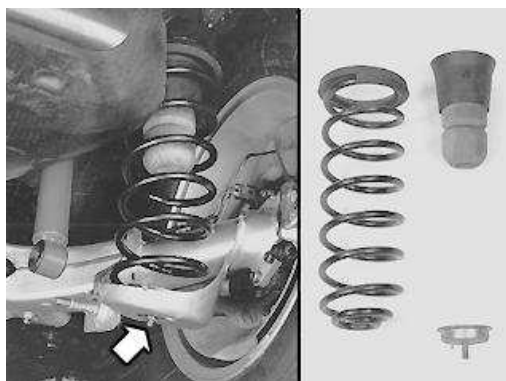


Remove:

- spring mounting nut
- spring from car.



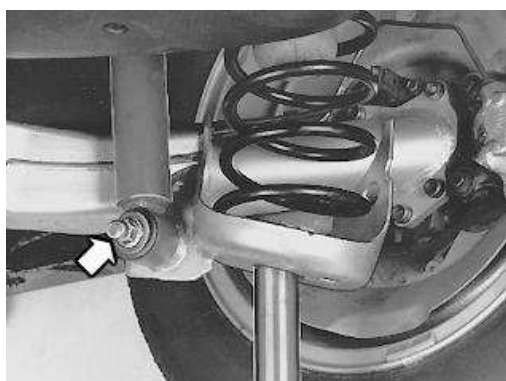
Transfer spring rubber spacer, auxiliary spring and lower mounting to the new spring



Install the new spring

Locate the spring end in the trailing arm stamped section and locate the mounting washer guide pin in the hole on the trailing arm. Install a new nut on the mounting washer. Tighten to **40 Nm**.

Position a mobile jack under trailing arm and lift up

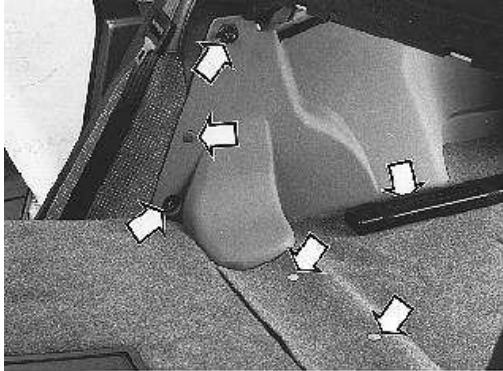


Install shock absorber on lower mounting

Caution! Check that the spring is correctly positioned on the upper spring seat.

Tighten the shock absorber nuts to **80 Nm**.

Tighten upper shock absorber mounting screws to 25 Nm



Reinstall:

- front edge of panels with clips
- backrest catches. Use thread sealant. Tighten to **20 Nm**
- cover plate and cargo compartment carpet.

4 door late version

Fold down the cover over shock absorber mounting. Reinstall support panel and carpet

