

Special Tool

Spring tensioner for front spring

115 589 06 31 00

Note:

The front shock absorbers simultaneously serve as deflection stops for the front wheels. For this reason, only disconnect the shock absorber suspension if the vehicle is standing on its own wheels or the control arm is supported.

There is a safety stop between the upper control arm and the front axle carrier.

Removal

- 1 Disconnect upper shock absorber suspension (32.1–100)
- 2 Jack up vehicle, remove disc wheel.
- 3 Insert thrust plate (74b) of spring tensioner into front spring (Fig. 1) and mount upper thrust piece (74c) (Fig. 2).
- 4 Insert clamping screw into upper thrust piece through lower control arm (Fig. 2). Slide on lower thrust piece (74d) and guide bushing (74e) (Fig. 3).

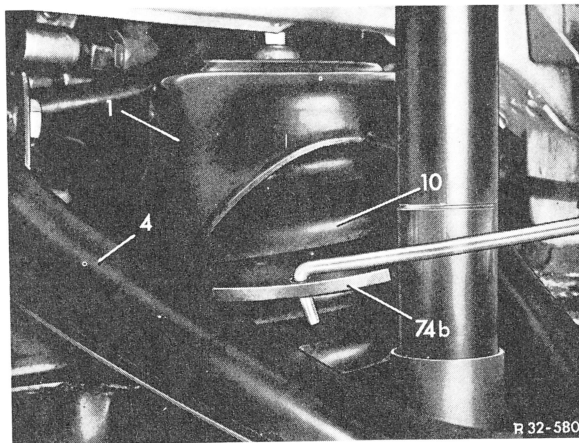


Fig. 1

- | | |
|----------------------|------------------|
| 1 Front axle carrier | 10 Front spring |
| 4 Upper control arm | 74b Thrust plate |

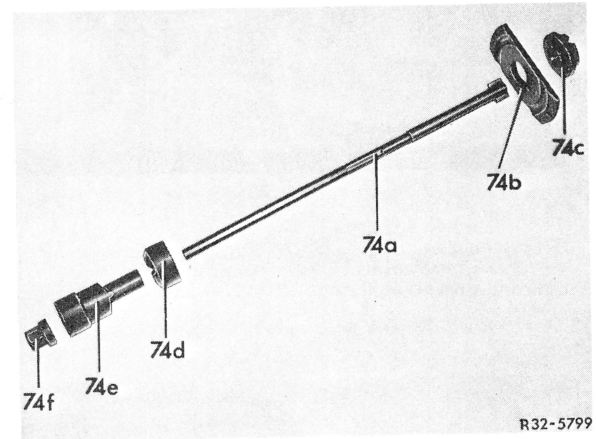


Fig. 2

- | | |
|------------------------|------------------------|
| 74a Tensioning screw | 74d Lower thrust piece |
| 74b Thrust plate | 74e Guide bushing |
| 74c Upper thrust piece | 74f Collar nut |

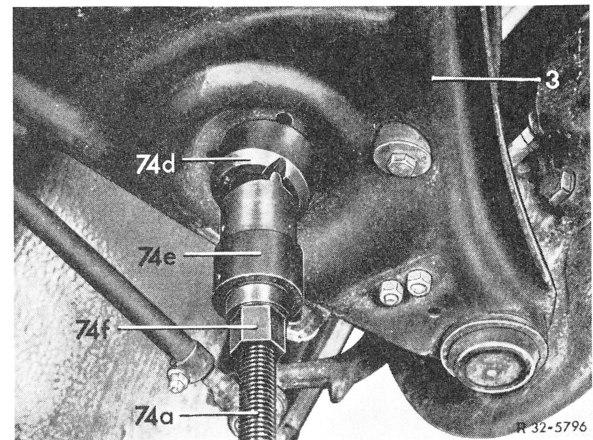


Fig. 3

- | | |
|------------------------|-------------------|
| 3 Lower control arm | 74a Guide bushing |
| 74a Tensioning screw | 74f Collar nut |
| 74d Lower thrust piece | |

- 5 Tension front spring (Fig. 4).

- 6 Remove rubber mounting in upward direction through opening in front axle carrier (Fig. 5).

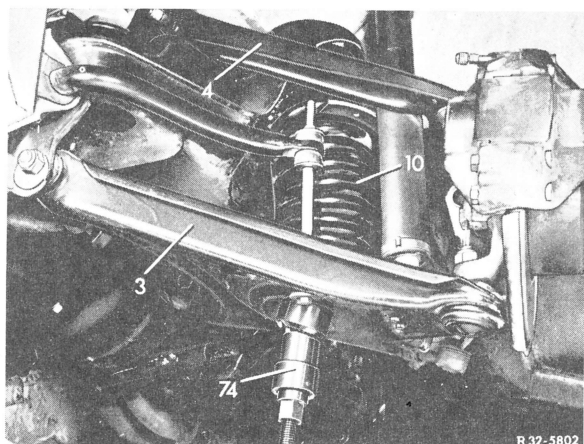


Fig. 4

- 3 Lower control arm
- 4 Upper control arm
- 10 Front spring
- 74 Tensioning device for front spring

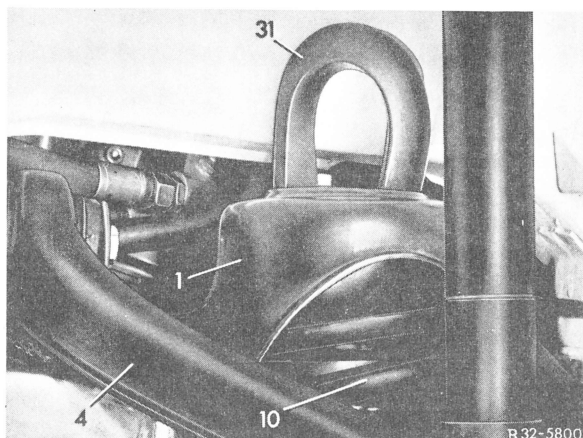


Fig. 5

- 1 Front axle carrier
- 4 Upper control arm
- 10 Front spring
- 31 Rubber mounting for front spring

Installation

- 7 Apply lubricating fluid "Naphtolen" (Part No. 000 989 04 60), if unavailable soapy water, to the outside of the new rubber mount.
- 8 Insert rubber mount into the opening in the front axle carrier and lay it onto the front spring. If the spring is in contact with the front axle carrier, centralize it using a suitable tool.
- 9 Allow front spring to expand slowly, taking care that the rubber mount is seated correctly on the front spring and in the front axle carrier.
- 10 Remove spring tensioner and pull thrust plate out of the front spring using a suitable hook (Fig. 1).
- 11 Install disc wheel, lower vehicle and mount upper shock absorber suspension (32.1-100).
- 12 Check vehicle level and front axle (40.1-300).
- 13 Check headlight adjustment ("Electrical System" 82.1-250).