Tightening torque		Nm	(kpm)
Hex. bolts of lower shock absorber suspension	M 10	45	(4.5)

Special tools	
Angular intermediate bracket for pit hoist	115 589 02 63 00
Special adaptor for spring tensioner	116 589 01 09 00
Spring tensioner for rear spring	115 589 00 31 00

Note

The rear shock absorbers simultaneously serve as deflection stops for the rear wheels. For this reason, only detach the shock absorber suspension if the vehicle is standing on its own wheels or if the control arm is supported. There is a safety stop between the control arm and the rear axle carrier.

Removal

1 Remove rear shock absorber (32.1–110), taking care that the upper shock absorber suspension is detached **first.**

2 Jack vehicle up at the rear.

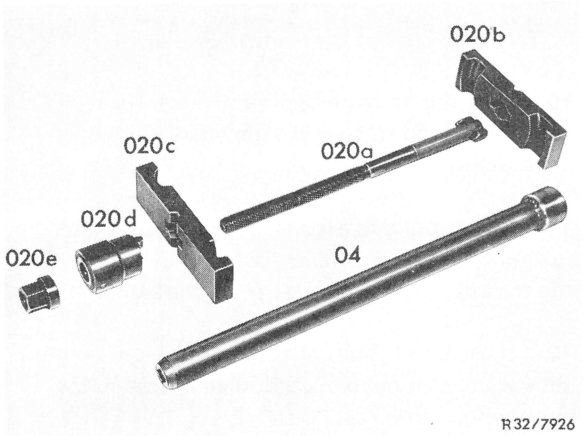

Fig. 1

04 Special wrench for spring tensioner
020a Clamping bolt
020b. Upper clamp plate
020c Lower clamp plate
020d Guide sleeve
020e Hexagonal nut

3 Insert the clamp plates of the spring tensioner into the rear spring in parallel fashion so that 5 coils are between them (Fig. 2).

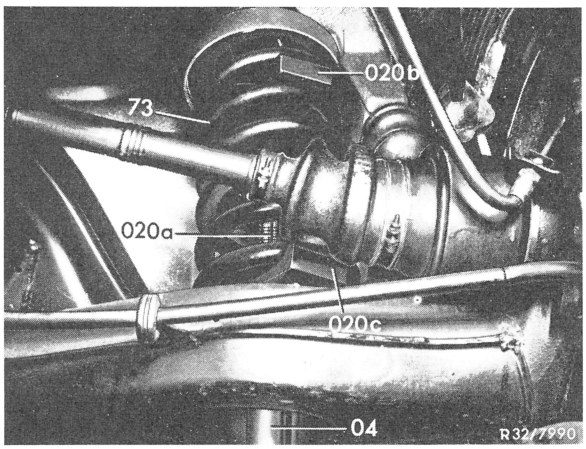

Fig. 2

04 Special wrench for spring tensioner
73 Rear spring
020a Clamping bolt
020b Upper clamp plate
020c Lower clamp plate

4 Insert the clamping bolt into the control arm opening.

Attention! The crosspieces on the clamping bolt and the guide sleeve must be correctly seated in the grooves in the upper and lower clamp plates.

5 Compress rear spring (Fig. 3).

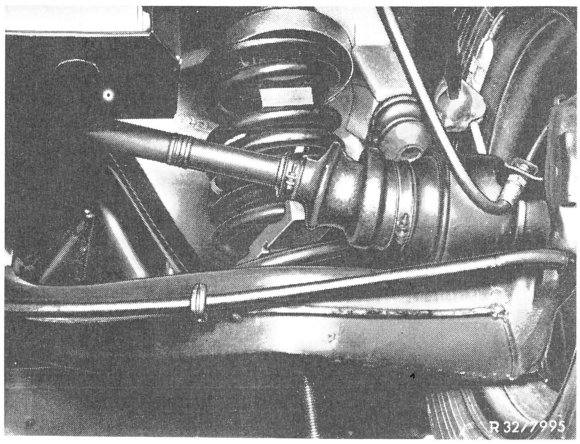

Fig. 3

6 Using a pit hoist, and the angular intermediate bracket, lift the control arm approximately to a horizontal position after fitting the clamp plates and clamping bolt, then compress the rear spring and lower the pit hoist carefully until the control arm safety stop rests on the rear axle carrier (Fig. 4).

The pit hoist must be guarded against tilting to the side.

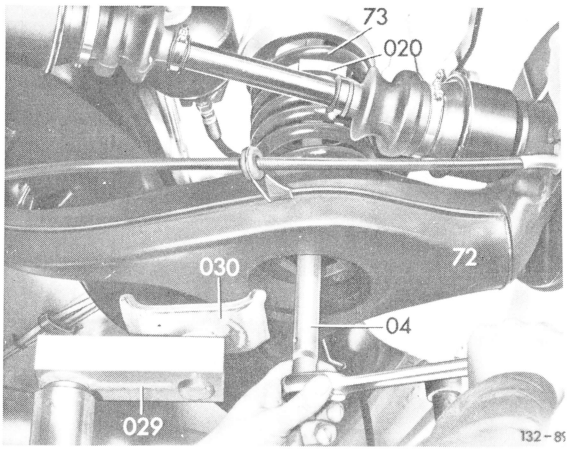

Fig. 4

72 Control arm
73 Rear spring
04 Special adapter
020 Spring tensioner
029 Angular intermediate bracket
030 Hoist or jack mounting

7 Remove rear spring with rubber mount (Fig. 5).

8 Insert upper clamp plate and allow spring to expand (Fig. 6).

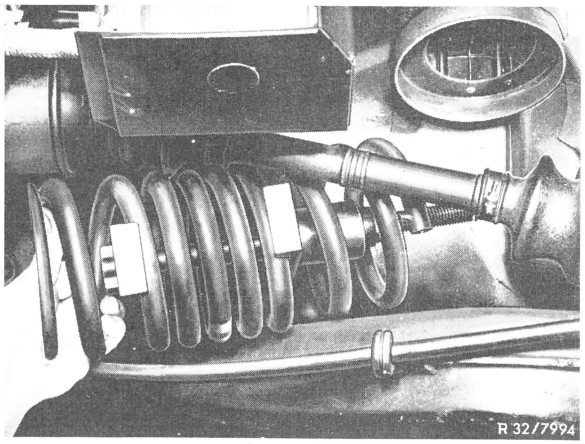

Fig. 5

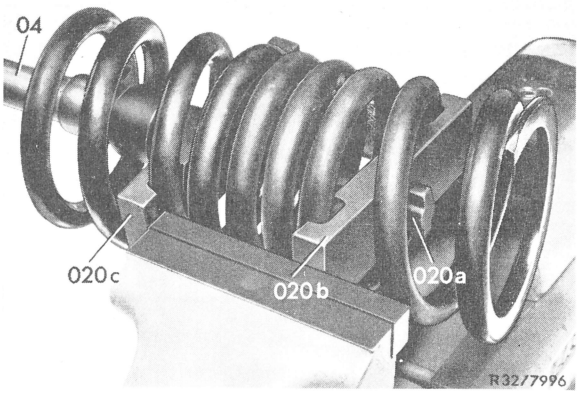

Fig. 6

04 Special wrench for spring tensioner
020a Clamping bolt
020b Upper clamp plate
020c Lower clamp plate

Installation

9 Tension 5 coils of the rear spring (Fig. 6).

10 Place the rubber mount on the rear spring so that the coil end rests on the depression in the control arm.

11 Allow spring to expand, taking care that the rubber mount on the frame floor and the coil end on the control arm are correctly positioned (Fig. 7).

12 If using a pit hoist, lift the control arm before allowing the spring to expand, then release spring and carefully lower pit hoist.

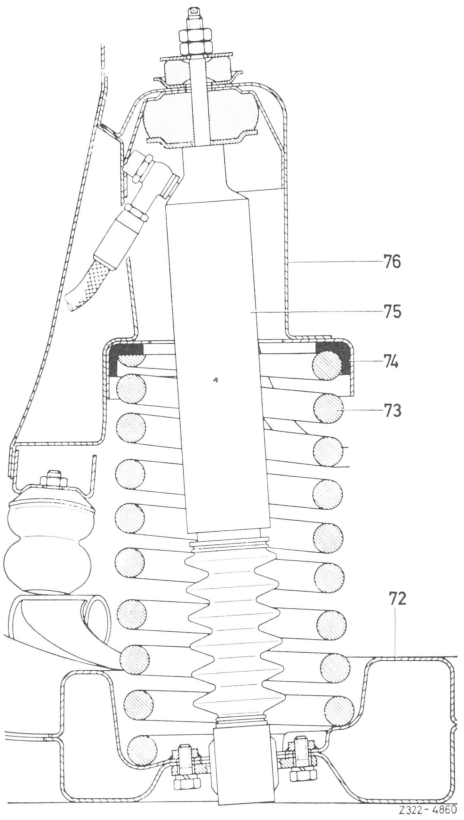

Fig. 7

72 Control arm
73 Rear spring
74 Rubber mount
75 Shock absorber or strut
76 Dome on frame floor

13 Install rear shock absorber or strut (32.1–110 or 32.3–610). Be sure to attach the lower suspension to the control arm first.

14 Lower vehicle.

15 Check rear axle control arm position (40.1–300).

16 Check headlight adjustment ("Electrical systems" 82.1–230).