

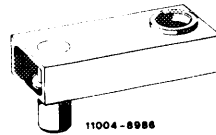
32-230 Removal and installation of rear spring

Tightening torque

	Nm	(kpm)
Hex. bolts or nuts of lower shock absorber suspension	45	(4.5)
Hex. nuts of upper shock absorber suspension	tighten up to runout of threads	

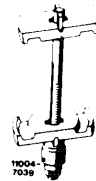
Special tools

Intermediate angle piece for pitlift



115 589 02 63 00

Spring tensioner for rear spring



115 589 00 31 00

Socket 24 mm 1/2" square
450 mm long for spring tensioner



116 589 01 09 00

Note

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

Attention!

When removing gas pressure shock absorbers with separating piston or with piston rod mounted at top, with vehicle jacked up and axle half relieved, make sure that the piston rod is not turning along when loosening upper suspension. Since in this condition the resilience stop in shock absorber rests against operating piston, the attachment of operating piston to piston rod may become loose. The gas pressure would then suddenly extend piston rod and the oil in shock absorber would flow out (risk of an accident).

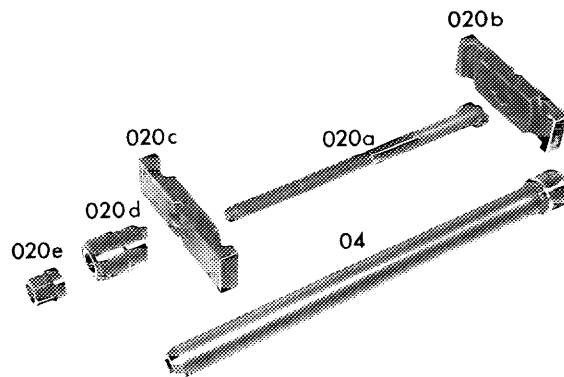
Removal

1 Remove rear shock absorber or spring strut (32–110 or 32–610). Make sure that the upper shock absorber suspension is released **first**.

2 Lift vehicle at the rear.

Spring tensioner for rear springs

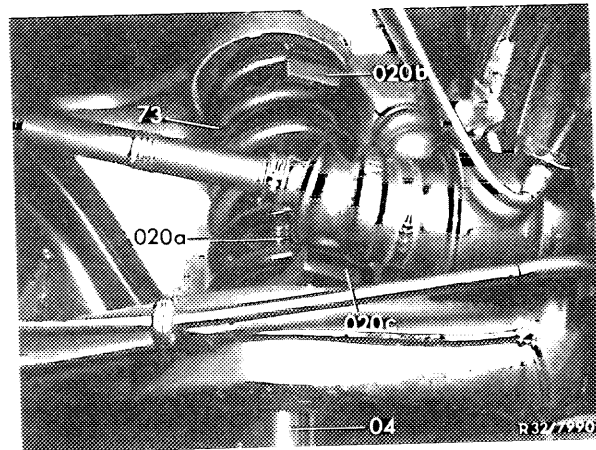
04 Socket
020a Tensioning screw
020b Upper tensioning plate
020c Lower plate
020d Guide sleeve
020e Hex nut



R 32/7926

3 Insert tensioning plates of spring tensioner into rear spring in parallel with each other to the extent that 5 coils are included.

4 Insert tensioning screw through opening in semi trailing arm.



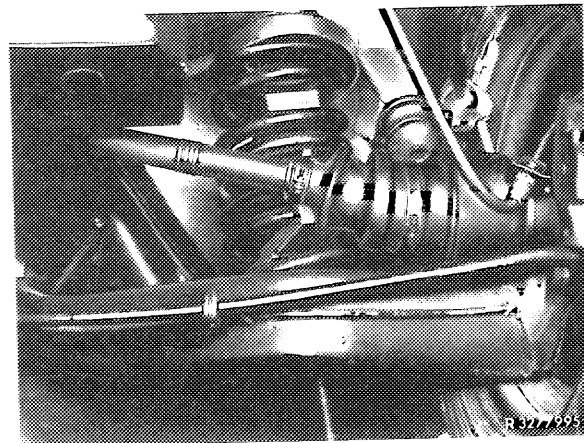
R 32/7995

04 Socket
73 Rear spring
020a Tensioning screw
020b Upper tensioning plate
020c Lower tensioning plate

Attention!

The webs on tensioning screw and guide sleeve must be correctly seated in grooves of lower and upper tensioning plates.

5 Tension rear spring.

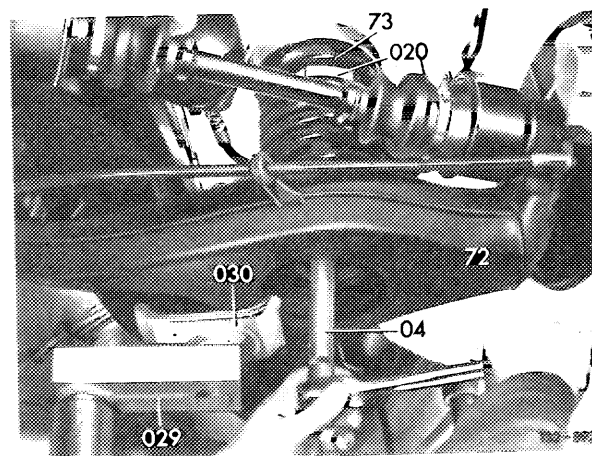


R 32/7995

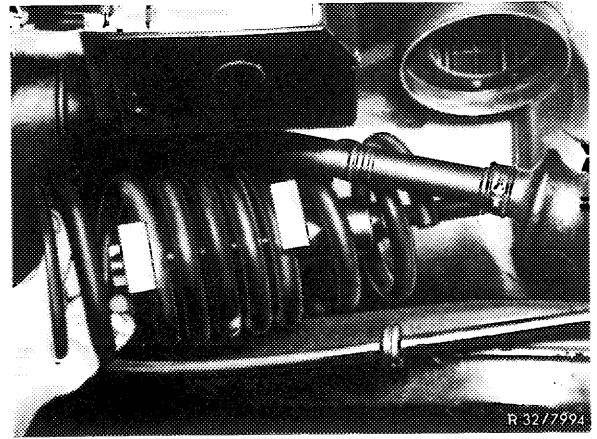
6 Using a pit hoist and the intermediate angle bracket, lift control arm approximately to a horizontal position after fitting the clamping plates and the tensioning screw, then compress the rear spring and lower pit hoist carefully until the safety stop of semitrailing arm rests against rear axle carrier.

Pit hoist must be guarded against lateral tilting.

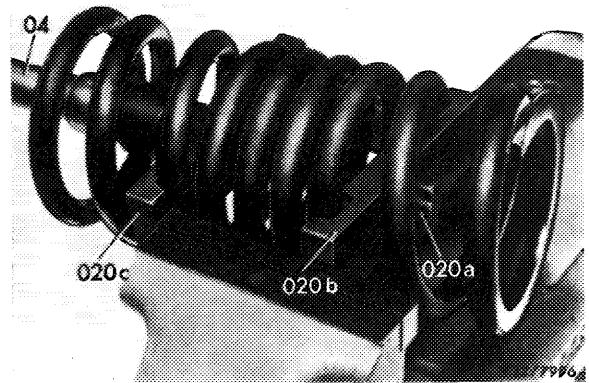
72 Semitrailing arm
73 Rear spring
04 Socket
020 Spring tensioner
029 Intermediate angle bracket
030 Lift or jack cradle



7 Remove rear spring with rubber mount.



8 Insert upper tensioning plate and allow spring to expand.



04 Socket
020a Tensioning screw
020b Upper tensioning plate
020c Lower tensioning plate

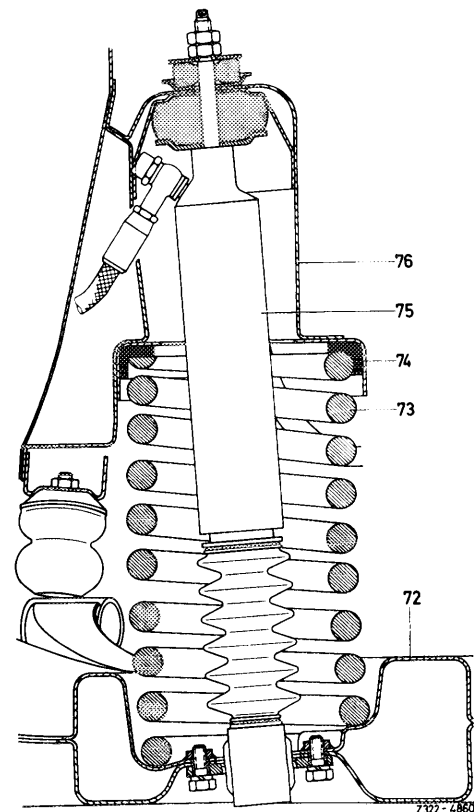
Installation

9 Tension 5 coils of rear spring.

10 Place rubber mount on rear spring so that the coil end rests on impression of semitrailing arm.

11 Allow spring to expand, taking care that the rubber mount on the frame floor and the coil end on the semitrailing arm are correctly positioned.

12 When using a pit hoist, lift semitrailing arm before allowing spring to expand, then release spring and carefully lower pit hoist.



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

- 13 Install rear shock absorber or spring strut (32–110 or 32–610). Be sure to attach lower suspension to semitrailing arm first.
- 14 Lower vehicle.
- 15 Check position of semitrailing arm on rear axle (40–300).
- 16 Check headlight adjustment.