

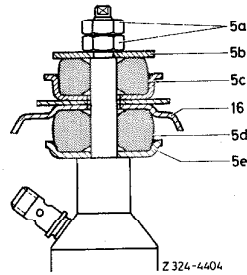
A. Sedans, coupes and roadsters  
 Special sedans, sedans long  
 Special vehicles (special body)

**Upper suspension<sup>1)</sup>**

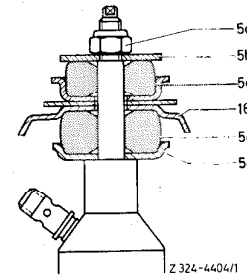
		Part No.	Height	OD	Rubber hardness °Shore
Rubber ring	(5c) top	115 326 16 68	19	40	60 + 5
	(5d) bottom	114 326 00 68	25	45	
Preload of rubber rings	approx. 7.5 mm restricted by spacer sleeve (5n) 43.5 mm long (1st version) or flange on spring strut (2nd version).				

<sup>1)</sup> Instead of the two hex. nuts (5a) a self-locking hex. nut M 10 x 1 DIN 934-8 together with a spring washer A 10 DIN 137 is being installed since February 1971.

1st version



2nd version

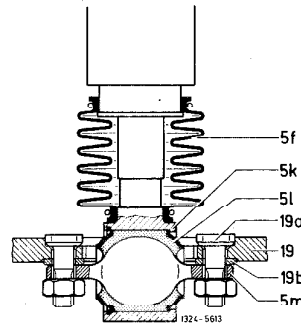


**Test instructions for lower suspension**

**1st version**

Holding clip (5m) should be tightly located in rubber mount (5l); rubber mount should not rotate in suspension eye.

1st version



## 32-610 R and R spring struts

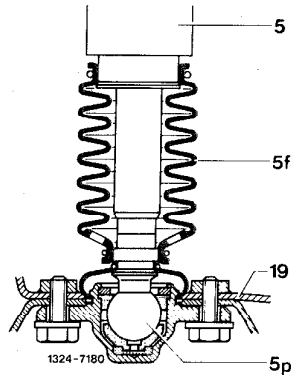
### 2nd version

Ball pin of ball joint should permit moving back and forth without play, but also without binding and without craking noises, but note that the release torque is higher than the torque for moving joint.

In the event of a defective ball joint sleeve, renew ball joint and protect threads with Omnifit.

### Attention!

Do not clamp spring strut at piston rod.



2nd version

### Tightening torques

Nm

Cap nut for pressure oil line to spring struts

25

Hex. bolts for lower suspension

45

Ball joint to spring strut

65

### Special tool

Filling funnel with filter



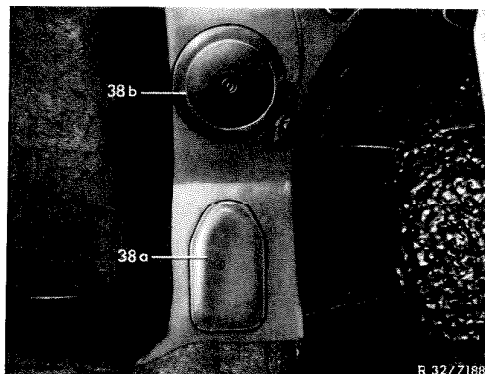
126 589 12 63 00

### Note

Spring struts serve simultaneously as deflection stop for rear wheels. For this reason, loosen upper suspension only when vehicle is on its wheels or when semi-trailing arm is supported.

### Removal

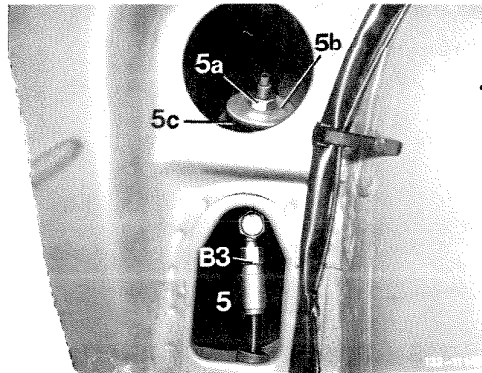
- 1 Drain pressure oil system (32-630).
- 2 Remove rear seats and backrest.
- 3 Remove both closing caps (38a, 38b) in rear wall.



R 32/7188

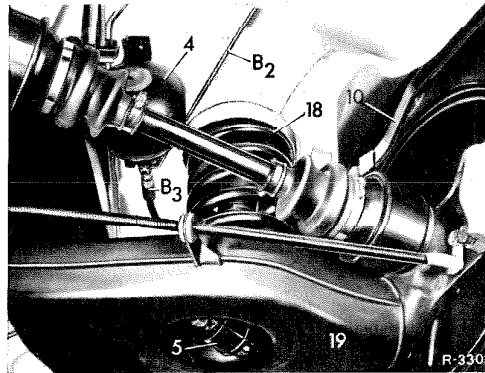
4 Disconnect pressure line (B3) on spring strut. Close connection of spring strut with rubber plug, close ring piece of pressure line by means of suitable hex. bolt with nut.

5 Loosen hex. nut on upper suspension, remove washer and rubber ring.



6 Loosen hex. bolt of lower suspension on semi-trailing arm (19) and remove spring strut (5) in downward direction.

7 Remove upper suspension members from spring strut.



### Installation

8 Check suspension members.

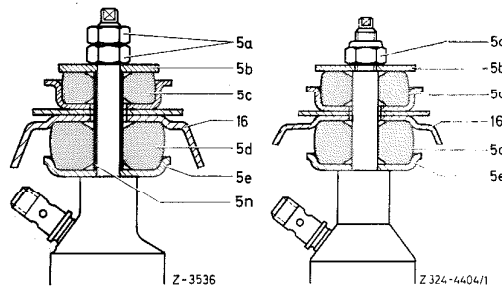
9 Insert spring strut and upper suspension, making sure that parts are correctly seated. Tighten lower of the two hex. nuts (5a), then tighten upper counternut.

**Note:** In version 1 of spring struts (up to February 1970, production No. 080) the upper suspension carried a spacer sleeve (5n).

In version 2 (as of March 1970, production No. 090) the spring strut carries a flange at top on threaded end for spacing rubber rings.

If during repairs spring strut of version 1 is exchanged for a spring strut of version 2, use a new, lower disk, part No. 116 326 00 67, for upper suspension.

Instead of the two hex. nuts (5a) for upper suspension, a self locking hex. nut together with a spring washer is used since February 1971.



1st version

2nd version

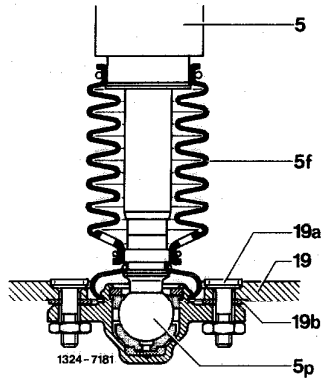
#### Upper suspension

5a Hex. nut  
5b Washer  
5c Rubber ring top  
5d Rubber ring bottom

5e Disk  
5n Spacer sleeve  
16 Dome on frame floor

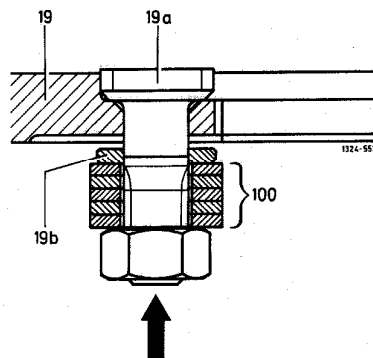
Lower suspension to diagonal swing axle  
with starting torque compensation  
2nd version with ball joint

- |    |              |     |                   |
|----|--------------|-----|-------------------|
| 5  | Spring strut | 19  | Semi-trailing arm |
| 5f | Dust guard   | 19a | Special bolt      |
| 5p | Ball joint   | 19b | Locating washer   |



12 If required, renew bolts of lower spring strut suspension in coupled semi-trailing arm.

For this purpose, knock bolts of removed spring strut out in upward direction by means of a suitable mandrel. After inserting new bolts and after adding approx. 5 washers having an ID of 10.5 mm, push locating washer on screw shank by tightening hex. nut.



- |     |                           |
|-----|---------------------------|
| 19  | Coupled semi-trailing arm |
| 19a | Special bolt              |
| 19b | Locating washer           |

13 Fill pressure oil system and check line connections for leaks (32-630).

14 Insert closing cover in rear wall. Mount backrest and seat bench of rear seats.