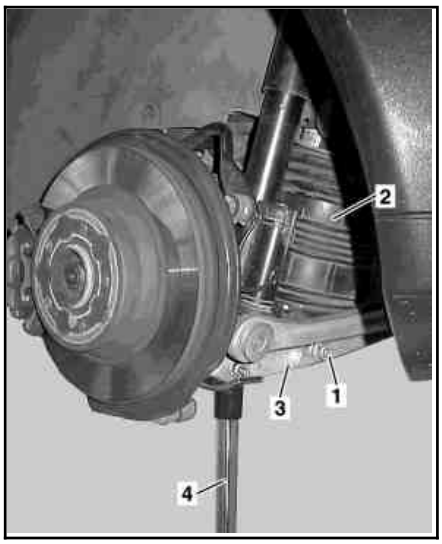
AR32.22-P-1500-03TA	Fill the air spring in vehicle riding height position		

Nm Struts

Number	Designation		Model 211.2/6
BA32.25-P-1008-04B	Nut, rear air spring at spring control arm	Nm	150
BA32.25-P-1009-04B	Air suspension pressure line at rear axle distributor	Nm	2

Electronic inclinometer (CM 09606),
See GOTIS: http://gotis.aftersales.daimlerchrysler.com



P32.22-2176-02

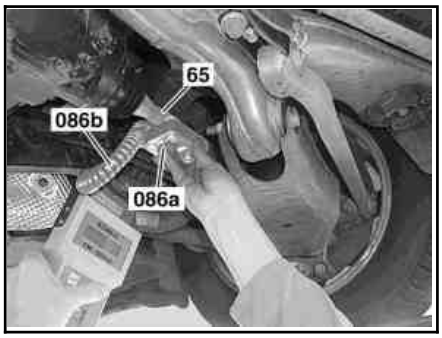
i The bolted connection (1) of the air spring (2) on the spring control arm (3) must be loose. The left and right air spring must be filled separately in each case.

1 Attach compressed air connection to compressed air distributor of the rear axle Nm.

2 Use STAR DIAGNOSIS to precharge air spring (2) to max. of 0.5 bar: compressor operating time/charging time roughly 2 seconds.

3 Position the transmission lifter (4) at the spring control arm (3).

4 Measure angle of rear axle shaft (65) using electronic clinometer (CM 09606).



P40.20-2127-01

i The connecting cable (086b) of the sensor (086a) must point towards the center of the vehicle otherwise a faulty measurement occurs. The test points on the rear axle shaft (65) must be cleaned.

5 Use transmission jack to lift spring control arm (3) until the rear axle shaft (65) has reached the specified value in the design reference position. Specified value in design level: -1.2°.

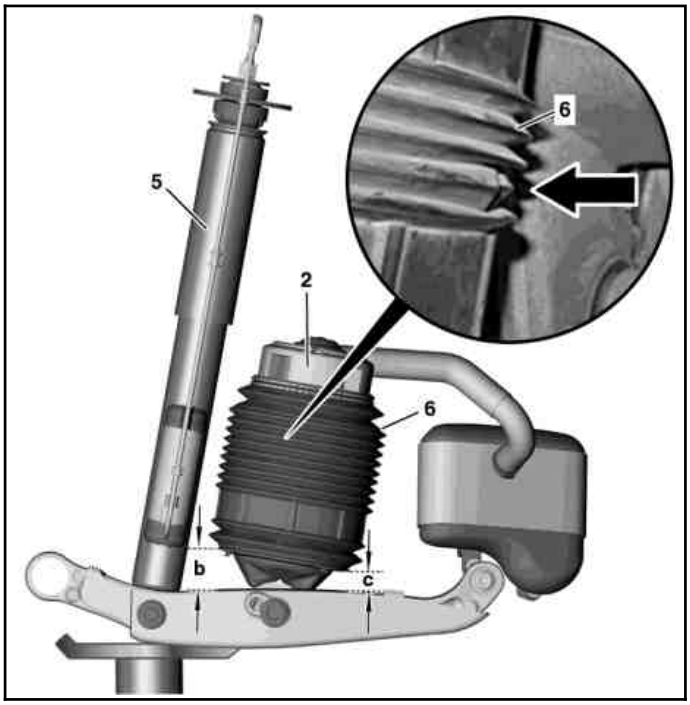
6 Fill air spring to moderate pressure (2 bar) using STAR DIAGNOSIS: compressor running time, filling time 10 seconds.

7 Check the alignment of the air spring (2) in the vehicle riding height position. The air spring (2) must be straight and parallel to the parallel to the shock absorber (5). Observe dimensions (b, c):

Dimension (b) 36.4 mm

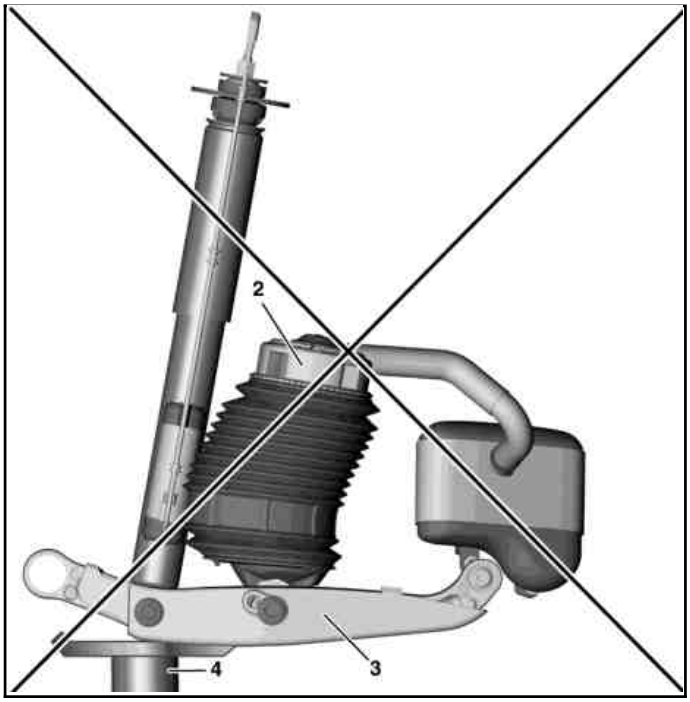
Dimension (c) 18.7 mm

i The protective boot (6) of the air spring (2) must be free to move and as able to be lifted upwards off the inflated air spring bellows. The folds in the protective boot (6) must be correctly trained and must not have any intrusions (arrow), if necessary remove the intrusion by hand.



P32.22-2178-12

8 If the air spring (2) is buckled, bleed all compression, lower spring control arm (3) with transmission jack (4), align air spring (2) and start new charging attempt.

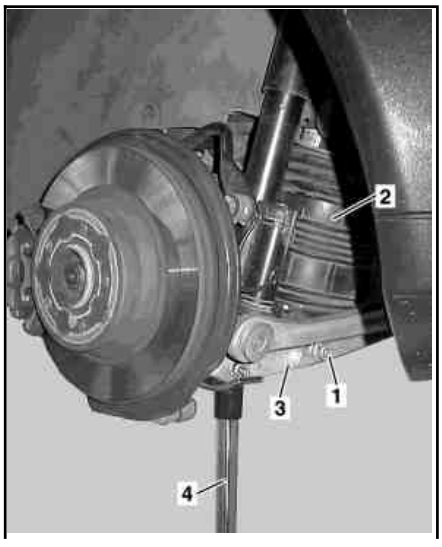


P32.22-2179-12

9 Tighten the bolted connection (1) of the air spring (2) at the spring control arm (3) in the vehicle riding height position Nm.

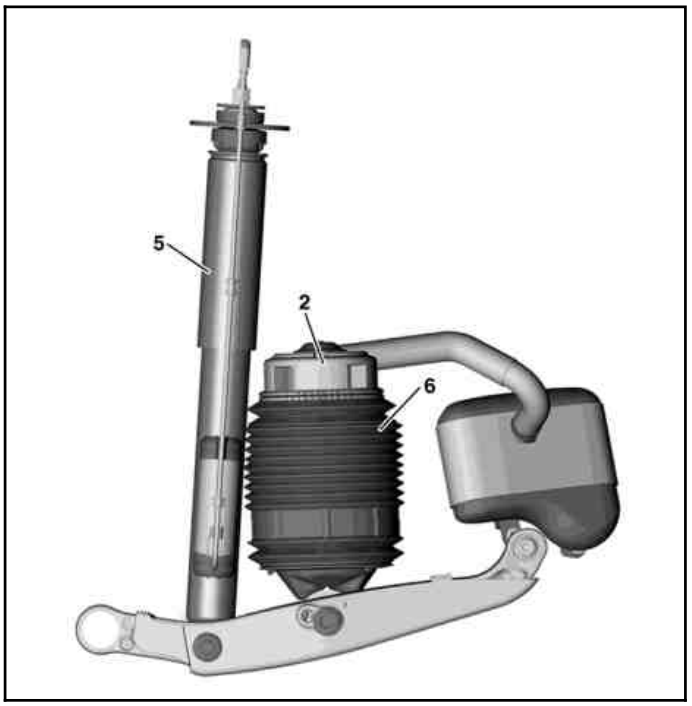
10 Lower spring control arm (3) with transmission jack (4).

11 Fill air spring (2) to 5 bar pressure using STAR DIAGNOSIS: Compressor running time



or filling time approx. 20 seconds.

P32.22-2176-02



P32.22-2180-12

12 Check the alignment of the air spring (2) at full rebound travel:

i The air spring (2) is slightly curved towards the shock absorber (5). The protective boot (6) must not touch the shock absorber (5), but the inner air bellows must not press against the shock absorber (5). The protective boot (6) of the air spring (2) must move freely and be able to be raised by the inflated air spring bellows. The folds in the protective boot (6) must be correctly trained and shold not display any intrusions toward the inside, respond to requirement by removing intrusions by hand.

13 Read out the diagnostic trouble code memory using STAR DIAGNOSIS and erase if necessary.