

ALL PARTS ARE TO BE INSTALLED BY A CERTIFIED ASE TECHNICIAN



**2007-2011 Mercedes-Benz CLS 550**

**2003-2009 Mercedes-Benz E320**

**2003-2006 Mercedes-Benz E500**

**2003-2006 Mercedes Benz E55 AMG**

**2007-2009 Mercedes-Benz E550**

**2007-2009 Mercedes-Benz E63 AMG**

Airmatic Air to Coil Spring Suspension  
Conversion Kit

**127M-30-ASSY**



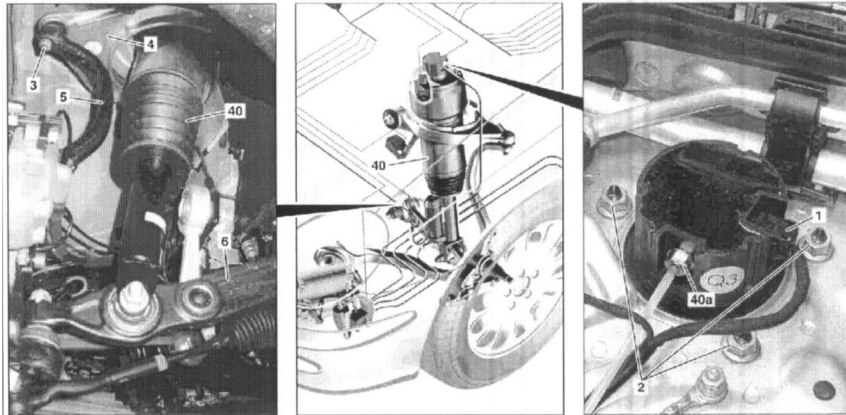
Before you begin the removal or installation, please read all or the instructions thoroughly!  
The warranty will be void if instructions are not followed exactly. Do not work under a vehicle supported by a jack.  
Always support the vehicle safety standards.



BEFORE YOU BEGIN THE REMOVAL OR INSTALLATION, PLEASE READ ALL OF THE INSTRUCTIONS THOROUGHLY!

THE WARRANTY WILL BE VOID IF INSTRUCTIONS ARE NOT FOLLOWED EXACTLY. DO NOT WORK UNDER A VEHICLE SUPPORTED BY A JACK.

**ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.**



Shown on left suspension strut

- 1 Electrical plug connection
- 2 Nuts
- 3 Nut

- 4 Upper track control arm
- 5 Steering knuckle
- 6 Spring link

- 40 Air spring strut
- 40a Pressure line connection

## DANGER

**Lethal injuries are possible if vehicle slips off of lifting platform.**

**Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.**

- 1. Position wheels straight ahead.**
- 2. Remove the front wheels.**
- 3. Relieve pressure from the air spring strut (40) using STAR DIAGNOSIS until the residual pressure is reached.**

**NOTE: Residual pressure in spring strut up to 3.5 bar .**

- 4. Disconnect electrical connector (1) at the top of the shift valve.**
- 5. Disconnect pressure line connection (40a).**
- 6. Unscrew nuts (2) on air spring strut (40) at front end.**
- 7. Remove front section of fender liner in front fender.**
- 8. Disconnect electrical connector.**
- 9. Unscrew nut (3) of follower joint of upper transverse control arm (4) on steering knuckle (5).**



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## 10. Press follower joint out of steering knuckle (5)

**CAUTION:** To prevent the steering knuckle from folding down too low, attach a support strap between the upper transverse control arm and wheel carrier.

## 11. Detach air spring strut (40) from spring link (6)

**NOTE:** Installation: Tighten the threaded connection at the normal vehicle level in the ready to drive condition.

## 12. Press down spring link (6), detach air spring strut (40) from spring link (6) and remove sideways and downwards

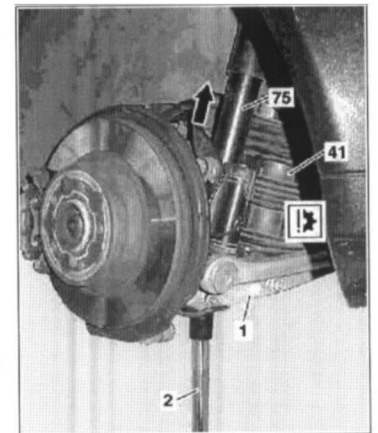
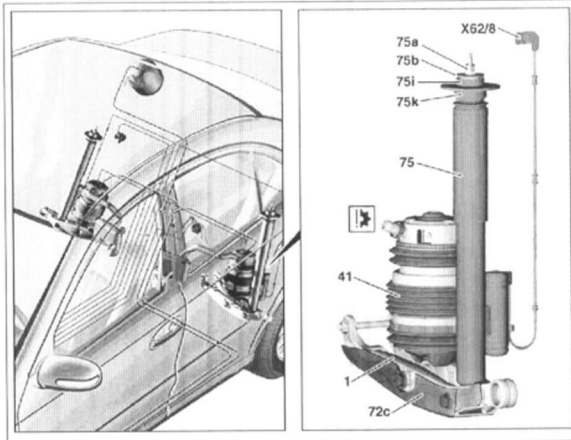
**CAUTION:** If replacing or reinstalling the air spring struts (40), check the condition of the air spring struts (40).

## 13. Install in the reverse order

## REAR SHOCK AND SPRING REMOVAL AND INSTALLATION

Illustration shows left rear shock absorber

- 1 Spring link
- 41 Air spring
- 72c Cover
- 75 Shock absorber
- 75a Nut
- 75b Washer
- 75i Upper rubber mount
- 75k Lower rubber mount
- X62/8 Rear axle electrical distributor connector



- 1 Spring link
- 2 Transmission lifter
- 41 Air spring
- 75 Shock absorber

## DANGER:

Lethal injuries are possible if vehicle slips off of lifting platform.

Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.

Risk of injury. Moving parts can pinch, crush or, in extreme cases even sever extremities.

Keep body parts and limbs well clear of moving parts.



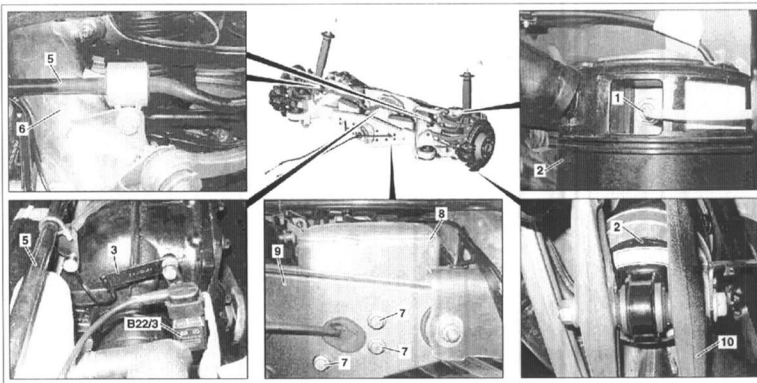
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1. Empty the air spring completely.
2. Remove side paneling in trunk.
3. Raise vehicle.
4. Remove rear wheels.
5. Remove fender liner from rear fender.
6. Unplug rear axle electrical distributor connector (X62/8)
7. Remove cover (72c) of spring link (1).
8. Raise spring link (1) approx. 30 mm using transmission lifter (2).
9. Unscrew nut (75a)
10. Remove washer (75b) and upper rubber mount (75i).
11. Detach shock absorber (75) from spring link (1)
12. Push together shock absorber (75) (arrow) and remove backwards
13. Remove lower rubber mount (75k)

## REPLACING AIR SPRINGS TO COIL SPRINGS



- |                  |                               |                                    |
|------------------|-------------------------------|------------------------------------|
| 1 Pressure line  | 6 Rear axle carrier           | 9 Front center assembly suspension |
| 2 Air spring     | 7 Bolts                       | 10 Track control arm               |
| 3 Transfer lever | 8 Additional volume reservoir | B22/3 Rear axle level sensor       |
| 5 Torsion bar    |                               |                                    |

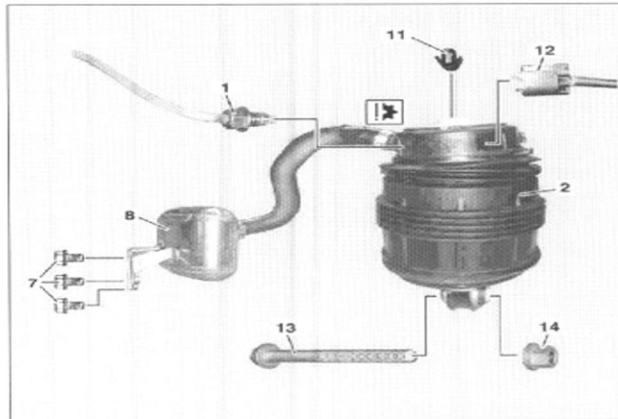
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- 1 Pressure line
- 2 Air spring
- 7 Bolts
- 8 Additional volume reservoir
- 11 Retainer clip
- 12 Electrical connectors
- 13 Screw
- 14 Nut

### CAUTION:

● The air spring may only be removed together with the additional volume reservoir. The connecting hose from the air spring to the additional volume reservoir must not be disconnected otherwise leakage will occur. Furthermore, it should be ensured that before removal the air springs are emptied completely using STAR DIAGNOSIS.

1. Remove rear axle.
2. Disconnect pressure line (1) from air spring (2).
3. Disconnect the electrical connector (12) from the rear axle level sensor (B22/3) and detach the rear axle level sensor (B22/3) from the rear axle carrier (6).
4. Detach torsion bar (5) from rear axle carrier (6).
5. Unscrew bolts (7) of additional volume reservoir (8) from front center assembly mounting (9).
6. Detach air spring (2) from spring link (10) and remove air spring (2) together with additional volume reservoir (8).

### Installation

1. Reusing the air spring bag bottom installation bolt, bolt the bottom coil bracket in place.
2. Install top mount into coil.
3. Compress the Coil to allow for easy installation.
4. Install Coils Top First into position.