

ALL PARTS ARE TO BE INSTALLED BY A CERTIFIED ASE TECHNICIAN



2004 - 2009 Mercedes E Class Sedan

Rear Air Suspension Spring

PART NUMBER

127M-15 RL/RR

127M-35 RL/RR



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.



**Improper installation may cause damage to air spring.
Failure to install properly will void warranty.**

Rear Air Spring Removal

 The ignition must remain switched off during the work on the air spring module.

1. Raise vehicle.
2. Deflate air spring completely by using diagnostic software.
3. Disconnect air line of air spring being removed from the air distribution valve adjacent to axle. (#1)




4. Disconnect electric plug of air spring.
5. Remove retaining bolts of air accumulator attached to air spring and body.
6. Remove retaining bolt on lower control arm that attaches air spring. (#2)
7. Remove retaining bolt on outer tie rod end. (#3)
8. Pull down/off air spring from upper plastic holder clip.
9. Push down lower control arm. (#2)
10. Remove air spring and accumulator.
11. Unscrew upper plastic holder and discard.



12. Remove hose clamp to accumulator on air spring removed from vehicle.
13. Remove rubber hose from top of removed air spring and secure to new air spring.

Installing Rear Spring

 Follow installation completely to ensure proper performance. Failure to install correctly will cause damage.

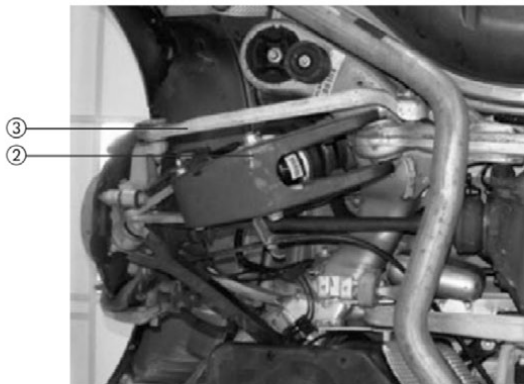
14. Install new upper plastic clip on the pin attached to vehicle.
15. Remove air line from used air spring.
16. Replace used parts of the pressure line connection with new parts. Pay attention to the correct position of the tapered ring (the cone must go with the pressure line).



17. Fit air line to the top of the air spring (torque to 2 Nm).
18. Fit the air spring and make sure it locks on the spring clip.



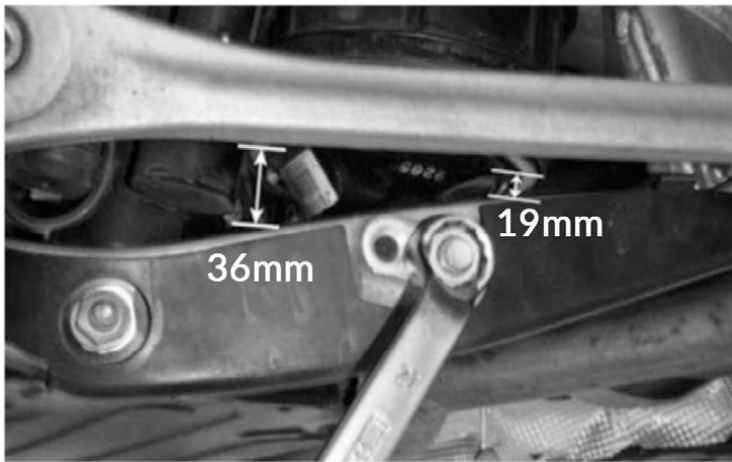
19. Install accumulator.
20. Connect air spring to lower control arm (#2) (DO NOT TORQUE). 
21. Connect tie rod end (#3).



22. Fit electric plug at the top of the air spring.
23. Replace o-ring and Install air line to air distribution valve.
24. Pressurize air spring to 7.3 psi (.5 bar) using diagnostic software.
25. Using underhoist stand, raise air spring and lower control arm to 36mm on the outer side and 19mm on the inner side. This is accomplished by placing the under hoist stand under the lower control arm and raising.



The axle should be approximately parallel to ground.



Never under any circumstances allow the vehicle to be fully lowered from the lifting platform with the air suspension depressurized.

26. Pressurize air spring to 29psi (2 bar).
27. Install wheel
28. Lower vehicle up to standard height from lifting platform.
29. Pressurize air spring to 72psi (5 bar).
30. Check air suspension for leaks.
31. Lower vehicle with pressurized air springs from the lifting platform.
32. Fully tighten bolts loosened during the in ready-to-drive condition in accordance with the car manufactures specifications.

Note: Suncore accepts no liability whatsoever for the damage to vehicle or parts caused by improper replacement or modifications.