



INSTALLATION MANUAL

SK-3978

Arnett New Front Coil-Over Strut
Mercedes-Benz ML-Class
(W164 w/o ADS, Incl. AMG)



Engineered to Ride, Built to Last®

CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® SUSPENSION PRODUCT

WE AT ARNOTT LLC ARE PROUD TO OFFER A HIGH QUALITY PRODUCT WITH ALL THE TECHNICAL SUPPORT YOU NEED. THANK YOU FOR YOUR CONFIDENCE IN US AND OUR PRODUCT.

Proper installation is essential to experience and appreciate the benefits of this system. Please take a moment to review these installation instructions before you begin to install these components on your vehicle. The removal and installation of air suspension products should only be performed by a fully qualified and certified automotive professional.

It is equally important to be aware of all necessary safety measures while installing your new Air Suspension System. This includes proper lifting and immobilizing of the vehicle and isolation of any stored energy to prevent personal injury or property damage.

GENERAL INFORMATION

Reading this manual signifies your agreement to the terms of the general release, waiver of liability, and hold harmless agreement, the full text of which is available at www.arnottinc.com and www.arnotteurope.com.



WARNING:

The air suspension system is under pressure (up to 10 bar, or 150 lbf/in). Verify pressure has been relieved and disconnect power to the air suspension system prior to disassembly. Do not allow dirt or grease to enter the system. Always wear standard hand, ear, and eye protection when servicing the air suspension system.

- Not to be stored below 5°F (-15°C) and above 122°F (50°C).
- Avoid damage to air lines and cables.
- Removal and installation is only to be performed by fully qualified personnel.
- Use car manufacturer's diagnostic software.

CAUTION:

Damage to the vehicle and air suspension system can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.

To avoid the possibility of short circuits while working with electric components consult your owner's manual on how to disconnect your battery.

Consult your vehicle owner's manual, service manual, or car dealer for the correct jacking points on your vehicle and for additional care, safety and maintenance instructions. Under no circumstances should any work be completed underneath the vehicle if it is not adequately supported, as serious injuries and death can occur.

For vehicles with a "Closed Air Supply System," replacement of components requires proper adherence to procedures set forth within OE servicing literature. Failure to comply with the OE prescribed procedures can result in component damage and/or failure.

AIR STRUT REMOVAL

1. Set steering to straight ahead.
2. Raise vehicle.
3. Remove front wheel.
4. Disconnect the sway bar linkage. (Figure 1)

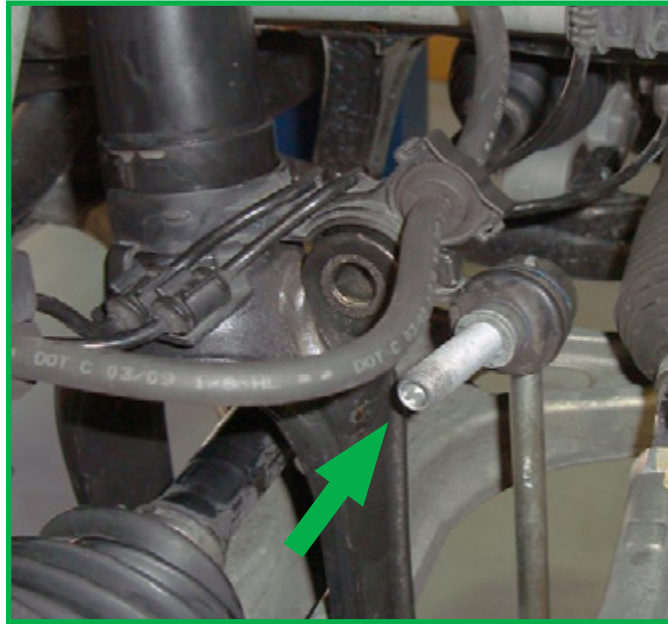


FIGURE 1

5. Remove the nut from the ball joint and separate from the spindle assembly. (Figures 2, 3)



FIGURE 2



FIGURE 3

- Cut the cable tie securing the wire harness mount, then remove the wire harness mount from shock. (Figure 4)



FIGURE 4

- Disconnect the air line by unscrewing the brass fitting from the strut's top mount. (Figure 5)

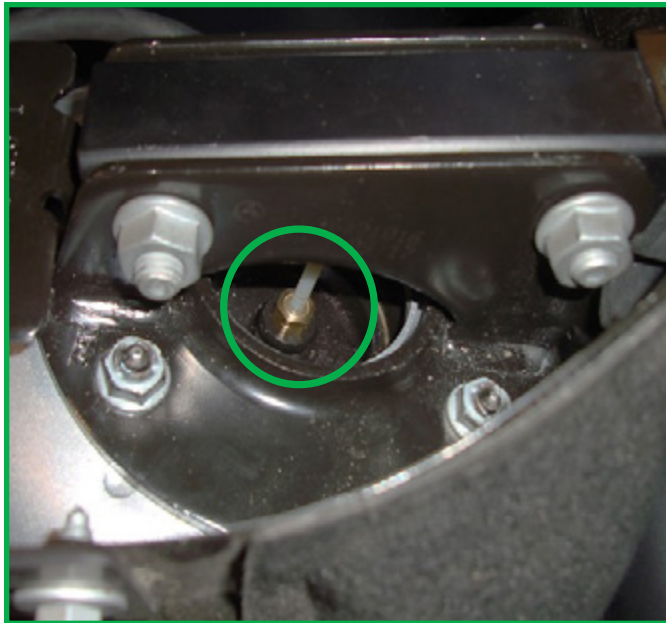


FIGURE 5

8. Remove the three (3) upper mount flange nuts. (Figure 6)

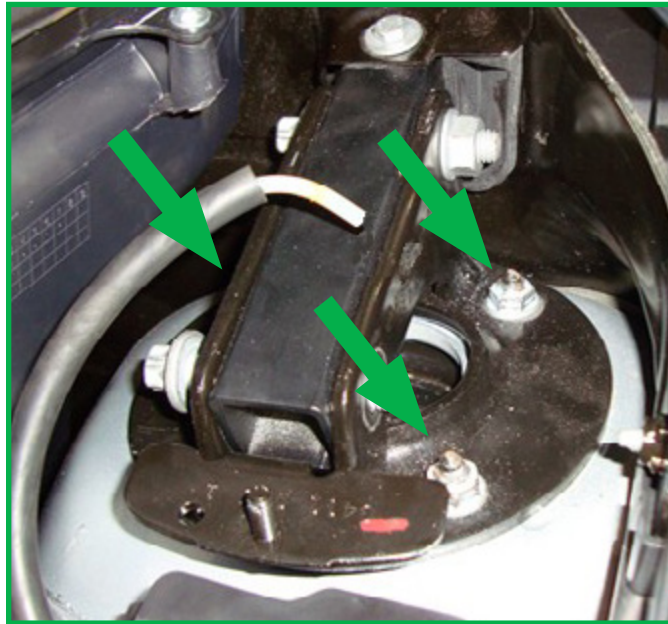


FIGURE 6

9. Remove the lower shock mount nut, followed by the bolt and remove the strut from the vehicle. (Figure 7)

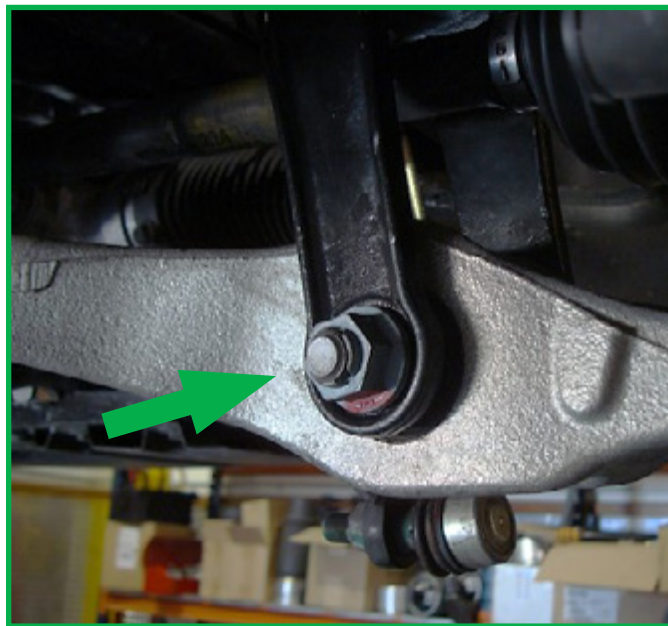


FIGURE 7

10. Removal complete.

COIL-OVER STRUT INSTALLATION



WARNING:

Tighten all nuts and bolts to manufacturer's specifications during the installation process.

1. Install the new strut into the vehicle.
2. Install the lower mount nut and bolt.
3. Install the three top mount nuts.
4. Connect the wishbone ball joint to the spindle.
5. Reconnect the sway bar link to the strut bracket.
6. Install the wire harness plastic bracket to the strut. Secure the brake line and wheel speed sensor wires into the bracket.
7. Seal and secure the unused air line and damping coil wires.
8. Reinstall the wheel.
9. Installation complete.

Arnott™

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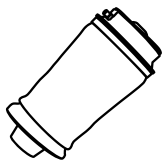
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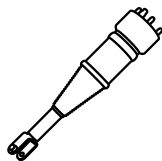
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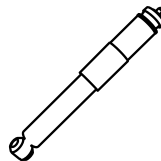
Email: info@arnotteurope.com



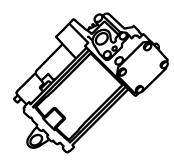
Air Springs



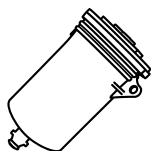
Struts



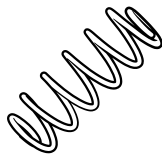
Shocks



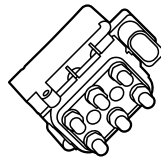
Compressors



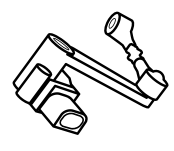
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors