



INSTALLATION MANUAL

A-5654

**Arnott New Rear Air Spring
Land Rover Defender 90 & 110
(L663 Chassis, Excl. OCTA)**



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 SPRING REMOVAL

1. Raise the vehicle.
2. Remove the applicable rear wheel. (Figure 1)

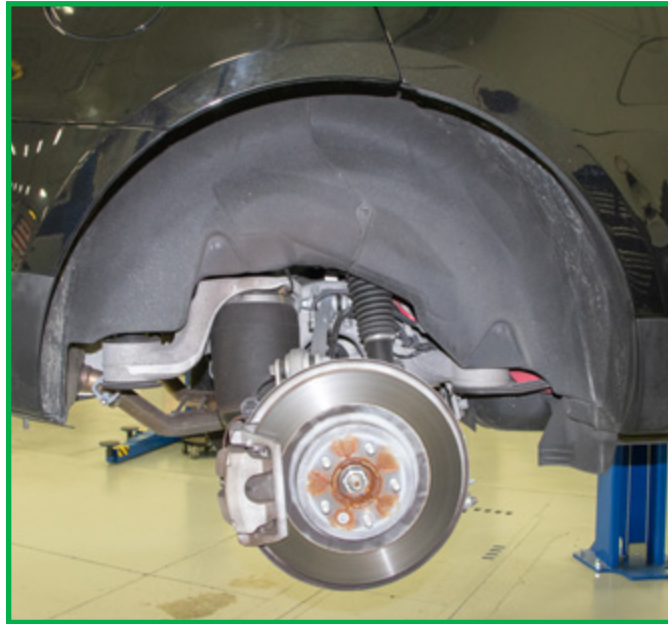


FIGURE 1

3. Loosen and remove the air line. (Figures 2, 3)



FIGURE 2



FIGURE 3

4. Remove the collet and VOSS fitting from the air line. (Figures 4, 5)



FIGURE 4



FIGURE 5

5. Using a pry hook, remove the top clip. (Figures 6, 7)



FIGURE 6



FIGURE 7

6. Remove the lower mount from the lower control arm. Pinch the mount to ease the removal. (Figures 8, 9)



FIGURE 8



FIGURE 9

7. Remove the air spring from the vehicle. (Figure 10)



FIGURE 10

8. Removal complete.

AIR SPRING INSTALLATION



WARNING:

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

1. Install the air spring into the vehicle and position the top mount so it is properly aligned with the corresponding pattern. (Figures 11, 12, 13)

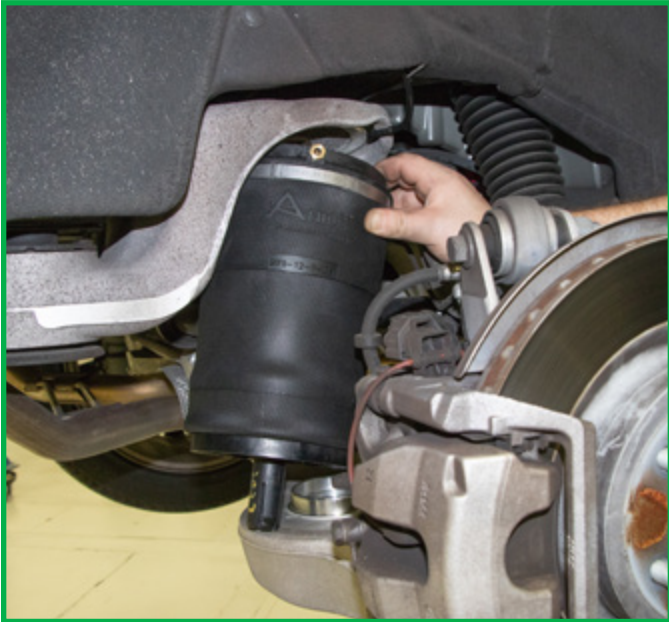


FIGURE 11



FIGURE 12



FIGURE 13

2. Reinstall the lower mount into the lower control arm. (Figure 14)

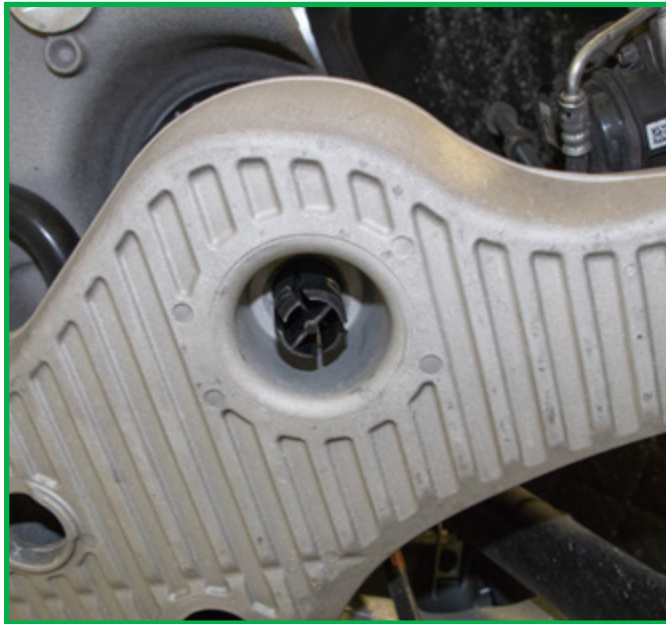


FIGURE 14

3. Install the air line, gently pulling outward to ensure secure seating. (Figures 15, 16)



FIGURE 15



FIGURE 16

4. Reinstall the wheel.
5. Lower the vehicle.
6. Installation complete.

Arnott™

Suspension Products

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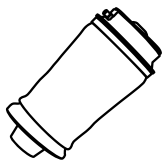
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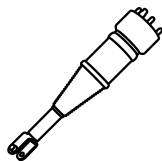
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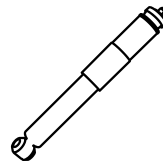
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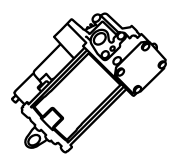
Air Springs



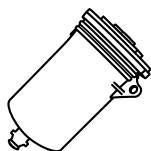
Struts



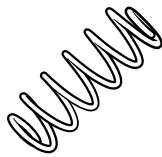
Shocks



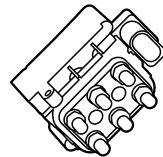
Compressors



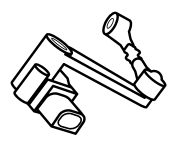
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors