



INSTALLATION MANUAL

SKE-5713

**Arnott New Rear Electronic eRide Shock
Land Rover New Defender
(L663 Chassis, Excl. Hybrids & 130)**



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.

SHOCK REMOVAL

1. Remove the cargo area trim to gain access to the shock top mount nuts. Disconnect the electrical connector from the top of the shock. (Figures 1, 2)



FIGURE 1

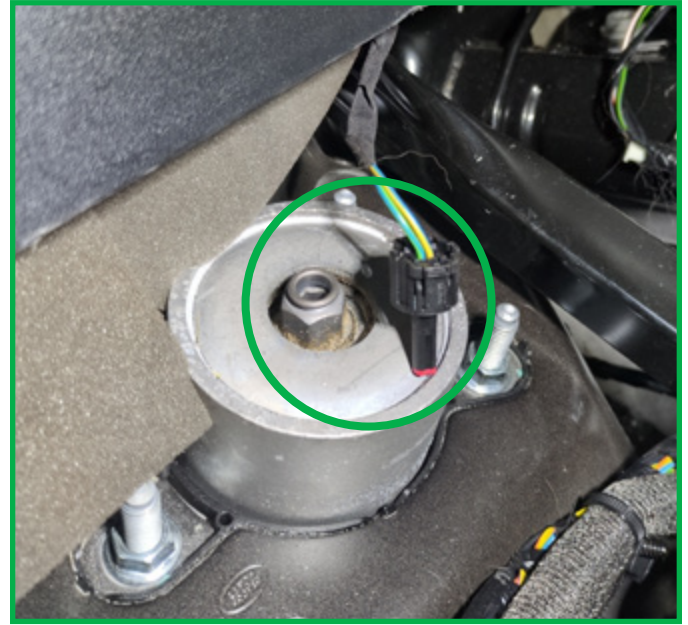


FIGURE 2

2. Raise the vehicle.
3. Disable the air suspension system and deflate the applicable air spring per manufacturer's instructions.
4. Remove the applicable wheel. (Figure 3)



FIGURE 3

5. Remove the lower shock bolt. (Figure 4)



FIGURE 4

6. Remove the three top mount nuts. (Figure 5)

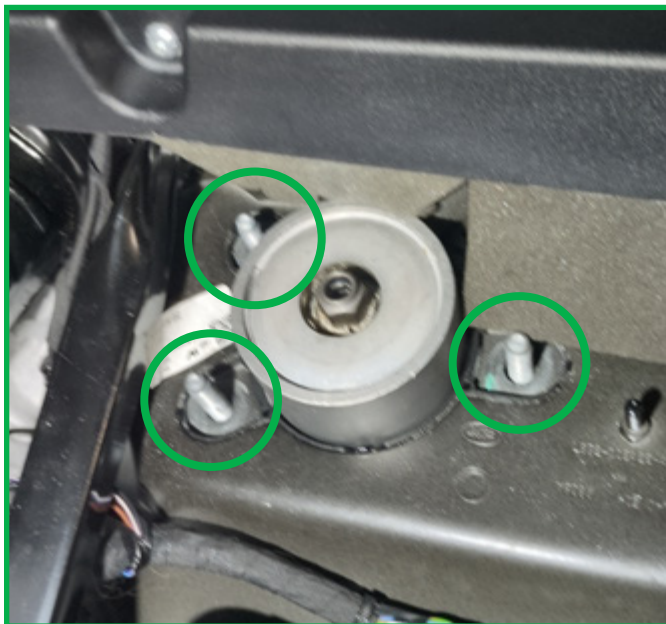


FIGURE 5

7. Remove the shock from the vehicle. (Figure 6)



FIGURE 6

8. Removal complete.

ELECTRONIC eRide SHOCK INSTALLATION



WARNING:

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

1. Install the new Arnott shock into the vehicle. Loosely thread on the top nuts to secure the shock in position. Do not remove the retaining wire until instructed to do so. (Figures 7, 8)



FIGURE 7



FIGURE 8

2. Install the lower shock bolt. Do not fully tighten at this time. (Figure 9)



FIGURE 9

3. The retaining wire may now be removed. Cut the wire and then remove each end of the wire from the shock. The retaining screw in the top mount will be removed. (Figures 10, 11, 12)



FIGURE 10

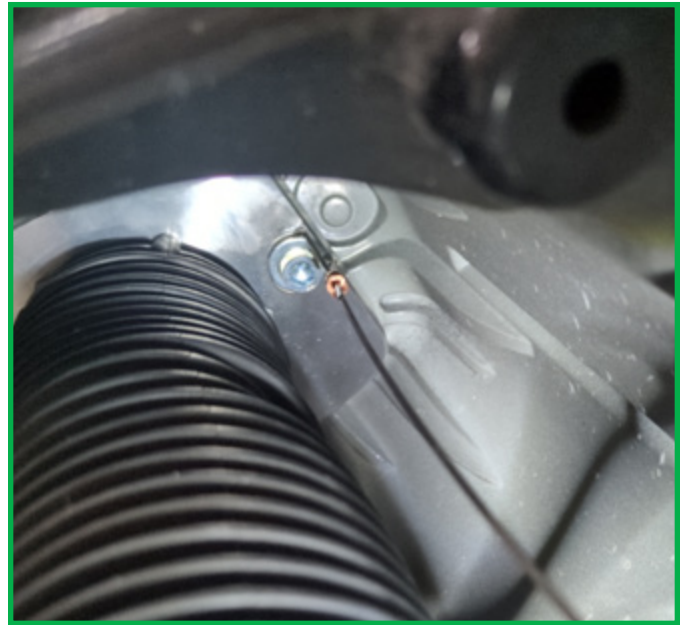


FIGURE 11

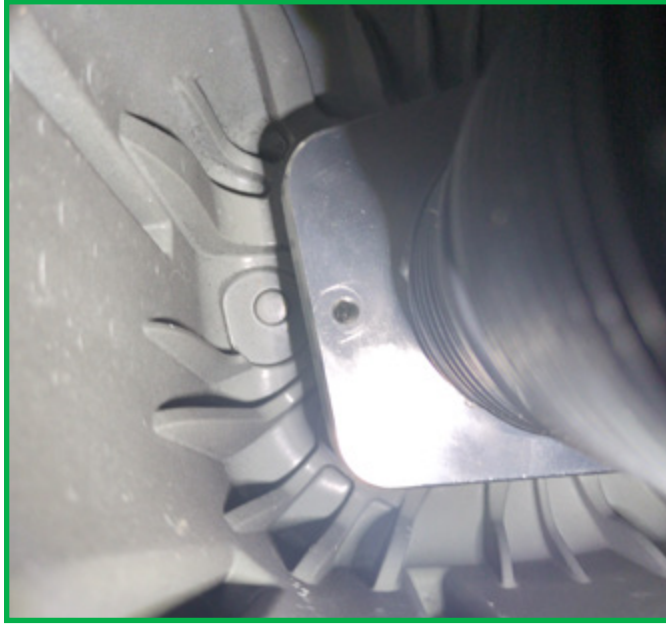


FIGURE 12

4. Connect the electrical connector to the top of the shock. The connector is keyed, so observe correct orientation when inserting to prevent damage. (Figure 13)

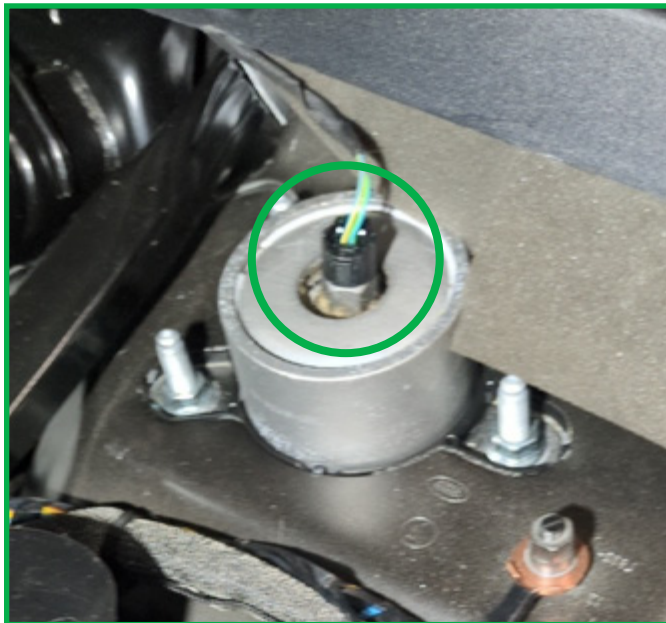


FIGURE 13

5. Using an appropriate jack, move the wheel hub into normal trim height. Tighten all hardware to manufacturer's specifications.
6. Enable the air suspension system and inflate the applicable air spring.
7. Reinstall the wheel.
8. Reassemble the cargo area trim.
9. Installation complete.

Arnott®

Suspension Products

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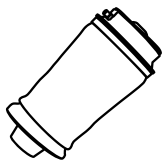
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BE Phone: +32 258 846 90

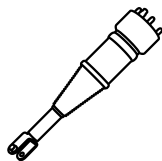
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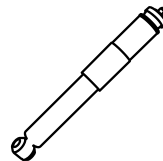
Email: info@arnotteurope.com



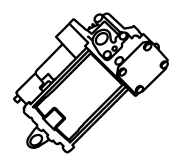
Air Springs



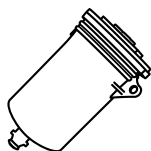
Struts



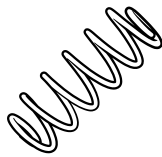
Shocks



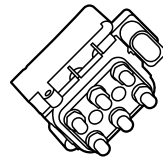
Compressors



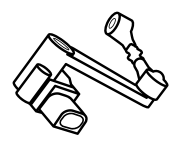
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors