



# INSTALLATION MANUAL

**SKE-3827**

**Arnott New Rear Electronic eRide Shock  
Land Rover Range Rover Velar (L560 Chassis)**



**Engineered to Ride, Built to Last<sup>®</sup>**

# 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](http://www.arnottinc.com) and [www.arnotteurope.com](http://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. Disable the air suspension system and deflate the applicable air spring for the side being serviced according to manufacturer's instructions.
2. Raise the vehicle.
3. Remove the applicable wheel. (Figure 1)



FIGURE 1

4. Move the fender liner and disconnect the electrical connector from the top of the shock. (Figure 2)



FIGURE 2

5. Remove the upper mount nuts. (Figures 3, 4)



FIGURE 3

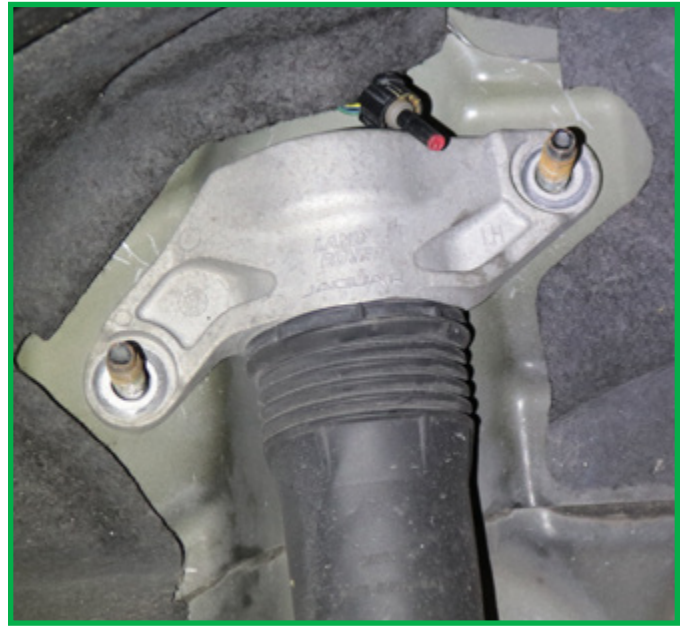


FIGURE 4

6. Remove the lower mount bolt. (Figures 5, 6)

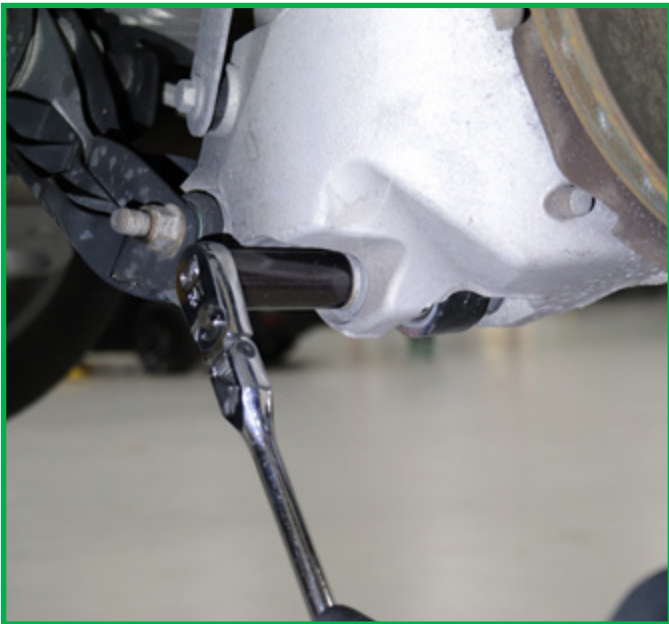


FIGURE 5



FIGURE 6

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



FIGURE 7

## SHOCK DIS-ASSEMBLY

1. Remove the OEM top mount from the OEM shock. Discard the OEM nut. (Figure 8)



FIGURE 8



2. Remove the dust cover and bump stop from the OEM top mount. Remove and discard the washer from the top mount. (Figure 9)

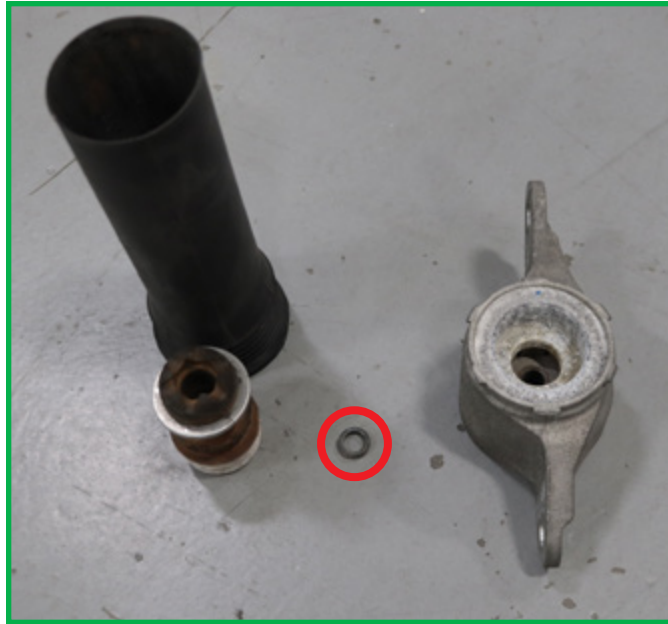


FIGURE 9

## SHOCK DIS-ASSEMBLY

1. Reassemble the top mount with the bump stop and dust cover. Do not reuse the OEM washer or top nut. (Figure 10)



FIGURE 10

2. Install the top mount to the new Arnott shock, using the new provided top nut. Do not reuse the OEM top nut or washer; this may cause damage to the shock or prevent the electrical connector from engaging correctly. (Figures 11, 12)

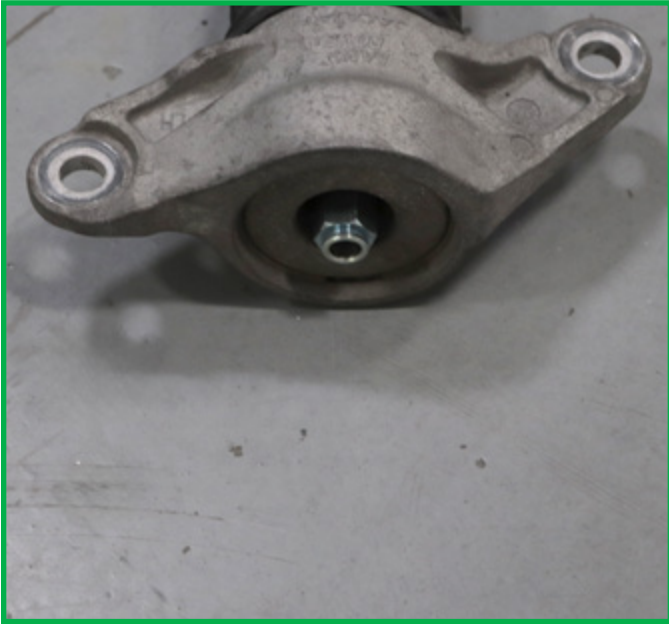


FIGURE 11



FIGURE 12

3. Tighten the top nut to 27 Nm (20 FT-LB).

# SHOCK INSTALLATION



**WARNING:**

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

1. Install the assembled Arnott shock into the vehicle. (Figure 13)



FIGURE 13

2. Insert the lower mount bolt. Do not tighten at this time. (Figure 14)



FIGURE 14



3. Install the upper mount nuts. Tighten to manufacturer's specifications. (Figure 15)



FIGURE 15

4. Using an appropriate jack or other means, raise the wheel hub to normal trim height. Tighten the lower mount bolt to manufacturer's specifications. (Figure 16)

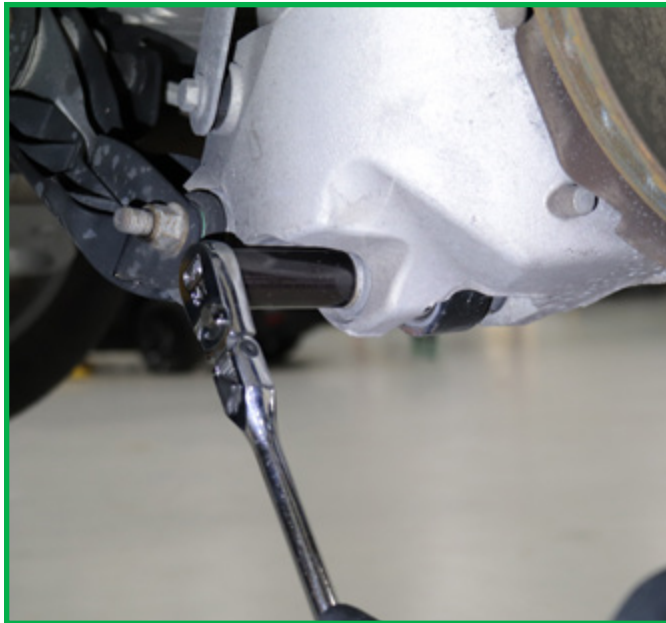


FIGURE 16

5. Reconnect the electrical connector at the top of the shock.
6. Enable and inflate the air suspension system per manufacturer's instructions.
7. Install the wheel.
8. Installation complete.

# Arnott™

## Suspension Products

### Arnott US Business Office:

[www.arnottinc.com](http://www.arnottinc.com)

100 Sea Ray Drive  
Merritt Island, FL 32953

**Call:** 800.251.8993

321.868.3016

**Fax:** 321.868.3703

**Email:** [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com)

### Arnott Europe Business Office:

[www.arnotteurope.com](http://www.arnotteurope.com)

Docterskampstraat 1E/1F, 3  
5222 AM 's-Hertogenbosch (NL)

**NL Phone:** +31 73 7850 580

**DE Phone:** +31 85 2087 438

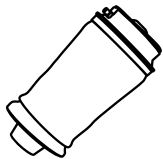
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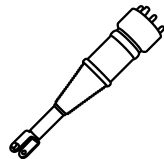
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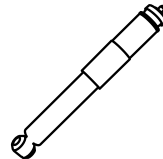
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



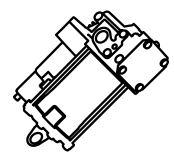
Air Springs



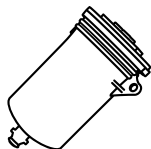
Struts



Shocks



Compressors



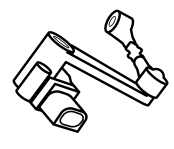
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors