



# INSTALLATION MANUAL

## SKE-4380 Arnott New Rear eRide Electronic Shock Audi Q7 (4M)



**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. Raise the vehicle.
2. Disable the air suspension system and deflate the applicable air spring per manufacturer's instructions.
3. Remove the applicable wheel. (Figure 1)



FIGURE 1

4. Disconnect the electrical connector at the top of the shock. (Figure 2)



FIGURE 2

5. Remove the lower shock bolt. (Figure 3)



FIGURE 3

6. Remove the two upper shock mount bolts. (Figure 4)



FIGURE 4

7. Remove the shock from the vehicle. (Figure 5)

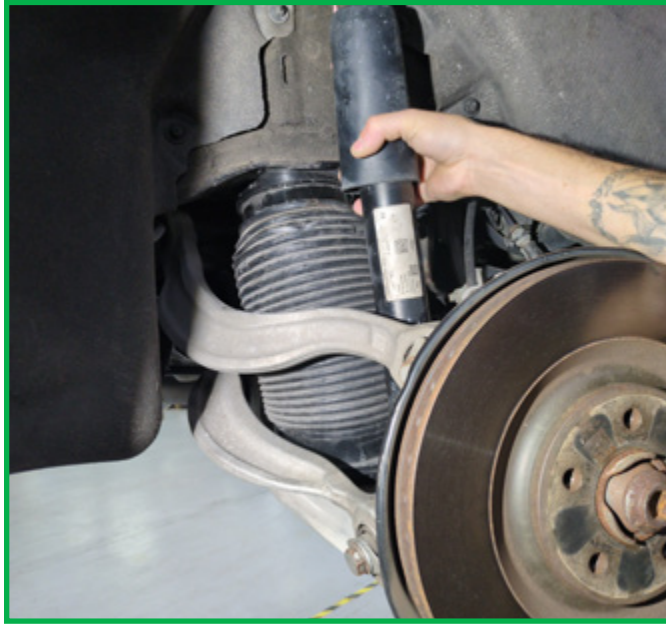


FIGURE 5

8. Removal complete.

## eRide SHOCK ASSEMBLY

1. Remove the plastic shock cap and wire dust boot from the OE shock. (Figure 6)



FIGURE 6

2. Install the plastic cap onto the new Arnott shock. (Figure 7)



FIGURE 7

3. Install the wire dust boot onto wire and seat into the top mount cap. Use caution to not damage the terminals. (Figures 8, 9)

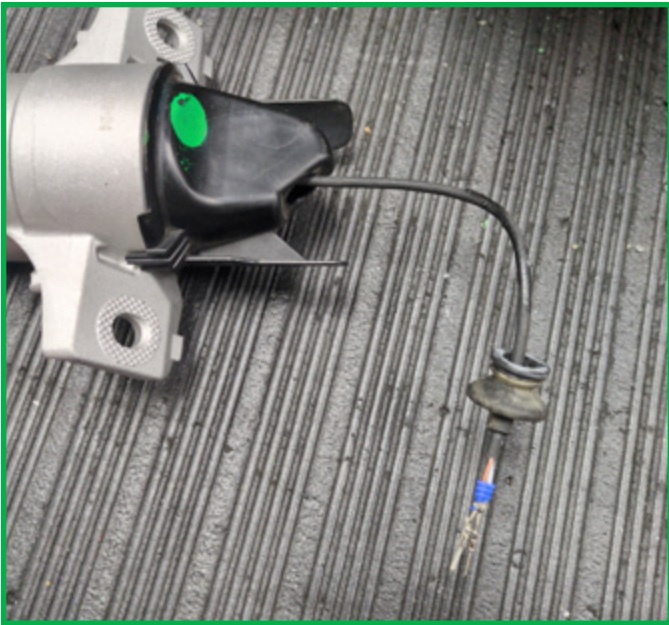


FIGURE 8



FIGURE 9

4. Install the new included wire dust boot onto the new shock wire. (Figure 10)



FIGURE 10

5. Insert the terminals into the included terminal housing. The tabs on the terminals will be oriented to the inscribed numbers on the terminal housing. It may be necessary to use a pair of needle-nose pliers to gently pull terminals into place to fully engage the locking tabs. Once the terminals are installed, use a small flathead screwdriver to engage the purple lock inside the housing (press down in the orientation shown). (Figures 11, 12)

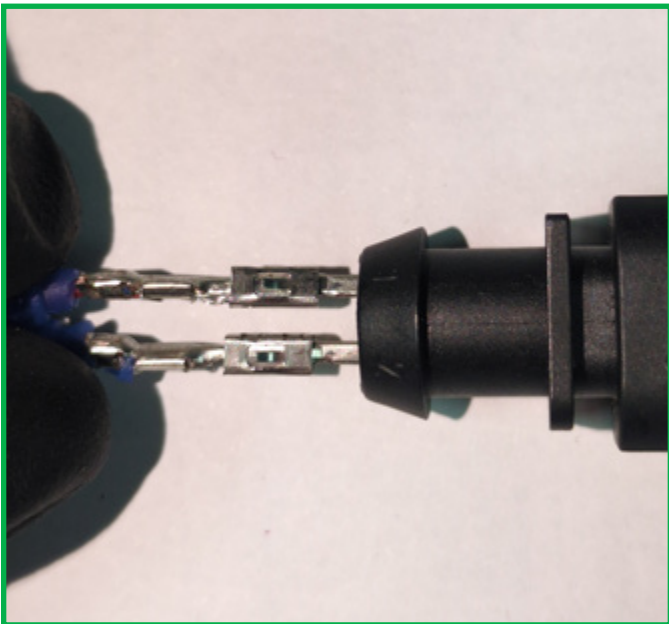


FIGURE 11

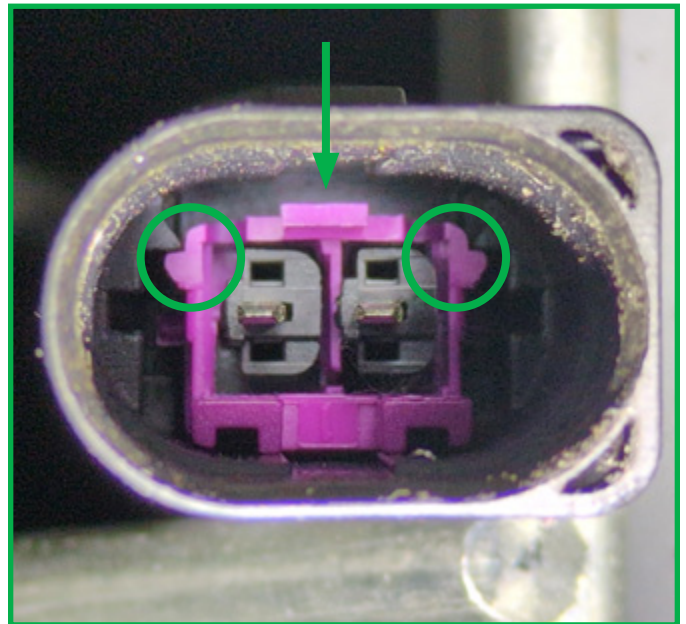


FIGURE 12

6. Seat the wire dust boot onto the housing. (Figure 13)

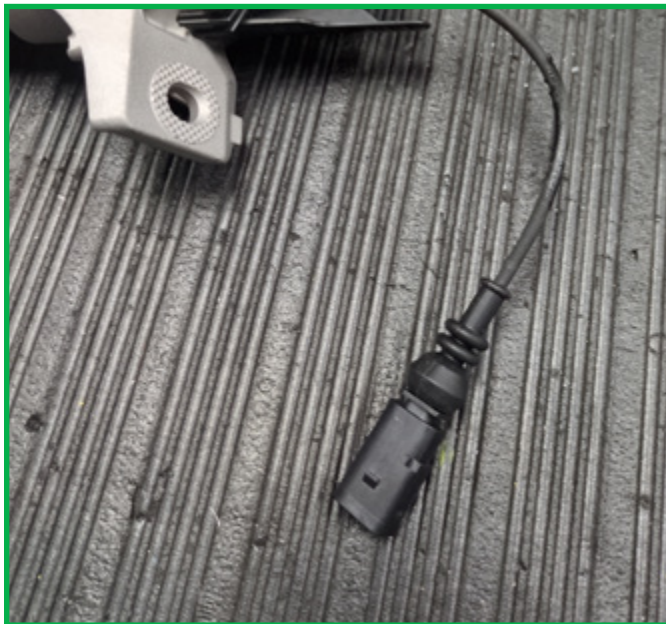


FIGURE 13

7. Assembly complete.

## eRide 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 14)



FIGURE 14

2. Insert the lower bolt to hold the shock in position. Do not tighten at this time. (Figure 15)



FIGURE 15

3. Install the upper shock bolts. (Figure 16)



FIGURE 16

4. Use an appropriate jack to raise the wheel hub to normal trim height. Tighten the lower shock bolt and manufacturer's specifications.

5. Connect the electrical connector at the top of the shock, secure the connector to the plastic top cap. (Figures 17, 18)



FIGURE 17



FIGURE 18

6. Tighten all hardware to manufacturer's specifications.
7. Enable the air suspension and inflate the applicable air spring per manufacturer's instructions.
8. Install the wheel.
9. Installation complete.

# Arnott®

## Suspension Products

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**Fax:** 321.868.3703

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

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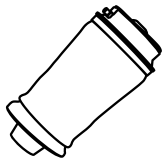
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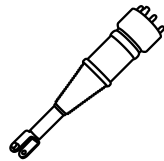
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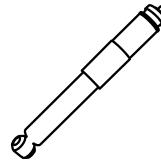
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



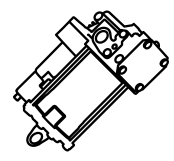
Air Springs



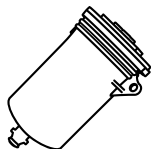
Struts



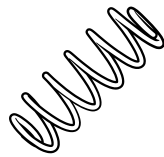
Shocks



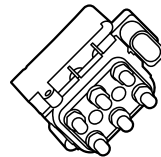
Compressors



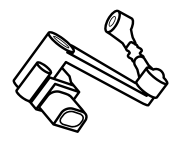
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors