



# INSTALLATION MANUAL

**AS-2950**

**Arnott New Rear Air Shock  
Cadillac DTS, Buick Lucerne  
(F55, w/MagneRide, w/ Sport Suspension)**



**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](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.

# AIR SHOCK REMOVAL

1. Set steering to straight ahead.
2. Raise vehicle.
3. Remove rear wheels. (Figure 1)

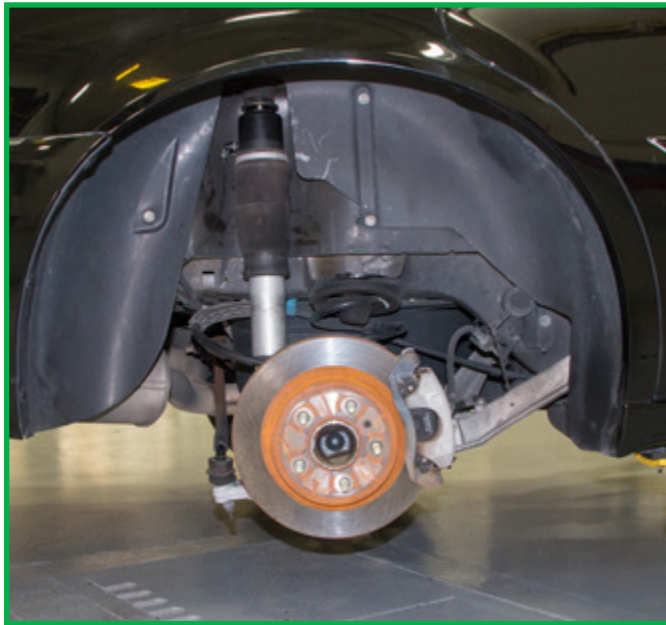


FIGURE 1

4. Follow the shock's air line to the fitting and disconnect by turning the clip 90° and pulling outward. (Figure 2)



FIGURE 2

5. With the trunk lining removed, disconnect the electronic dampening sensor from the top of the shock. Then, remove the clip that secures the electronic dampening sensor to the rod, pushing inward to release. (Figures 3, 4, 5)



FIGURE 3



FIGURE 4

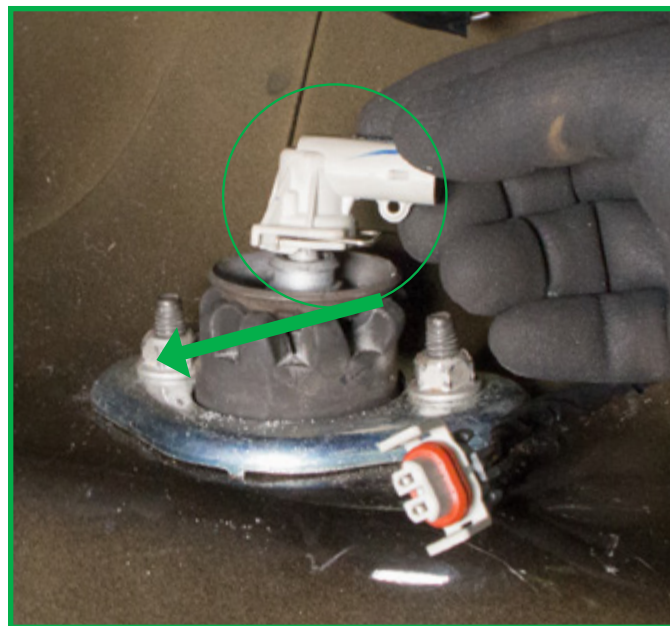


FIGURE 5



6. Loosen and remove the top nut and washer from the top of the shock rod. (Figures 6, 7)



FIGURE 6

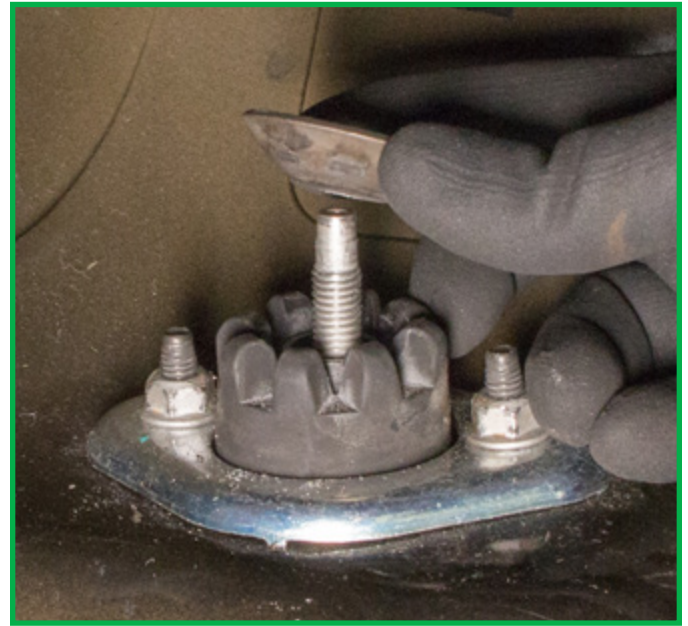


FIGURE 7

7. Remove the (2) bottom bolts securing the shock to the control arm. (Figure 8)

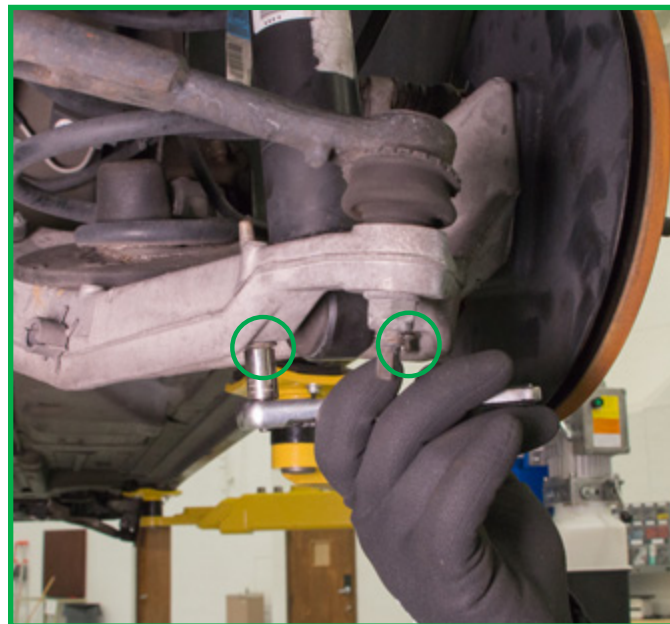


FIGURE 8

8. Remove the shock from the vehicle. (Figure 9)



FIGURE 9

9. Remove the (2) U-nuts from the shock. (Figure 10)



FIGURE 10

**NOTE:** Retain the (2) U-nuts for re-use on the new shock.

# AIR SHOCK INSTALLATION



**WARNING:**

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



**WARNING:**

Do not remove the air fitting from the air strut. Doing so may cause damage and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.

1. Reattach the (2) U-nuts retained from the previous shock, onto the new shock. (Figure 11)

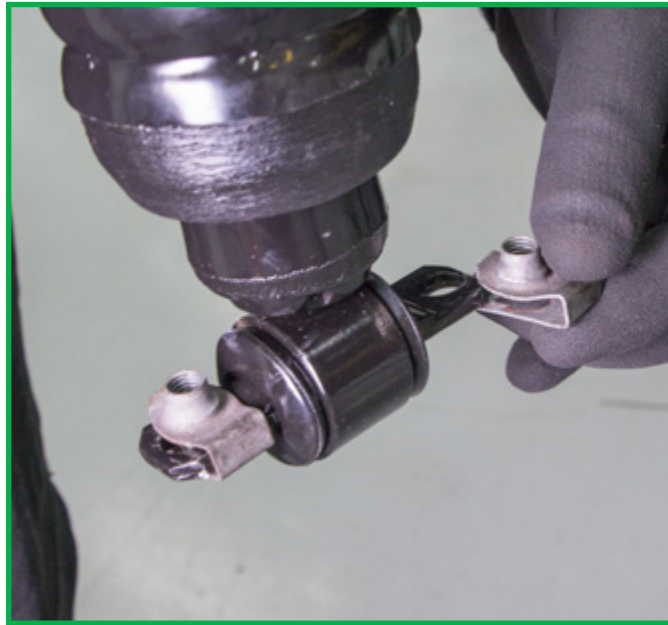


FIGURE 11

2. Place new shock into vehicle. Bolt the shock into place on the control arm and tighten. (Figures 12, 13)



FIGURE 12

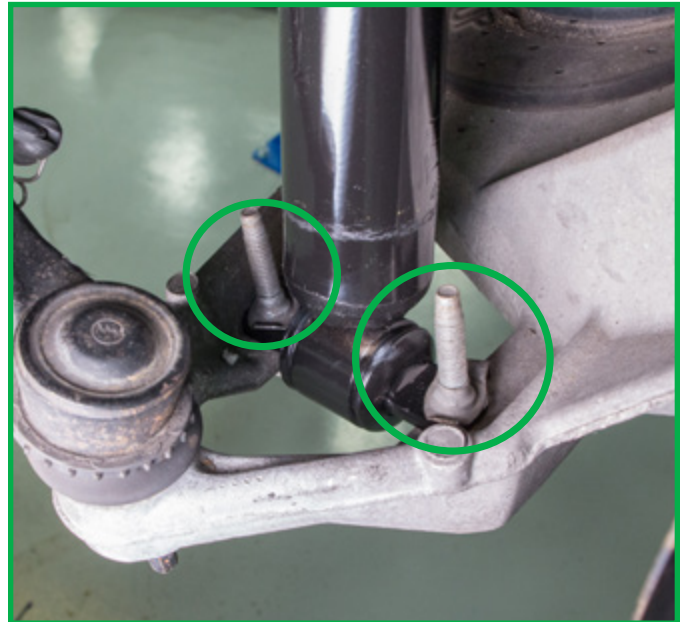


FIGURE 13



3. Raise shock until the top of the rod clears the hole. (Figures 14, 15)



FIGURE 14



FIGURE 15

4. From inside the trunk, apply the washer and supplied nut to the top of the shock and tighten. (Figures 16, 17)



FIGURE 16



FIGURE 17



5. Install the new electronic dampening sensor onto the top of the shock rod. (Figure 18)



FIGURE 18

6. Attach the electrical connector to the electrical dampening sensor. (Figures 19, 20)



FIGURE 19



FIGURE 20

7. Attach the air line to the shock. (Figure 21)



FIGURE 21

8. Reinstall trunk lining.
9. Installation complete.

# Arnott®

## Suspension Products

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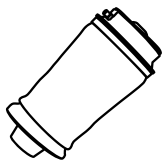
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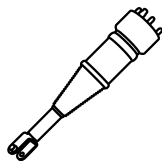
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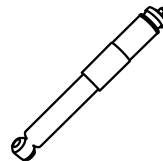
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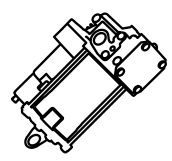
Air Springs



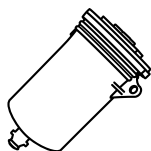
Struts



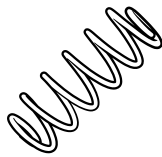
Shocks



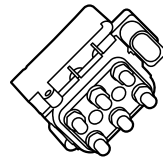
Compressors



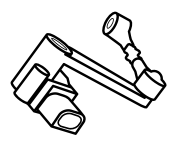
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors