

Installation Manual

AS-2950 ARNOTT REAR AIR STRUT CADILLAC DTS/BUICK LUCERNE (G-PLATFORM)



Congratulations on your purchase of an Arnott® air suspension product. We at Arnott Incorporated are proud to offer a high quality product at the industry's most competitive pricing. 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, ASE Certified, 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.

"Engineered to Ride, Built to Last®"



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.*

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling **800-251-8993** during normal business hours or email techassistance@arnottinc.com.
(In the EU please call +31 (0)73 7850 580 or email info@arnotteurope.com).

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.

- Not to be stored below 5°F (-15°C) or 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.

AIR STRUT REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. RAISE VEHICLE.
3. REMOVE REAR WHEELS. (FIGURE 1)



FIGURE 1

4. FOLLOW THE STRUT'S AIR LINE TO THE FITTING AND DISCONNECT BY TURNING THE CLIP 90° AND PULLING OUTWARD. (FIGURE 2)

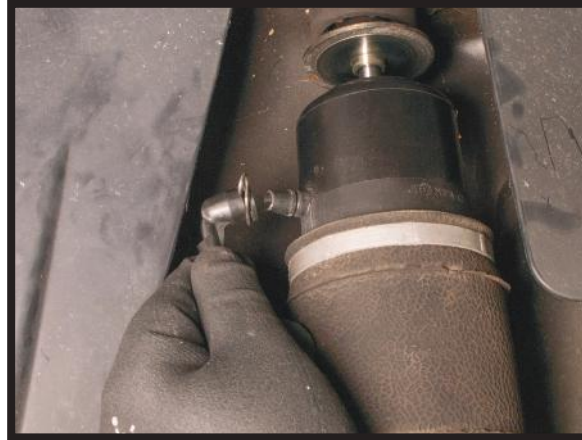


FIGURE 2

5. WITH THE TRUNK LINING REMOVED, DISCONNECT THE ELECTRONIC DAMPENING SENSOR FROM THE TOP OF THE STRUT. 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 STRUT ROD. (FIGURES 6, 7)



FIGURE 6

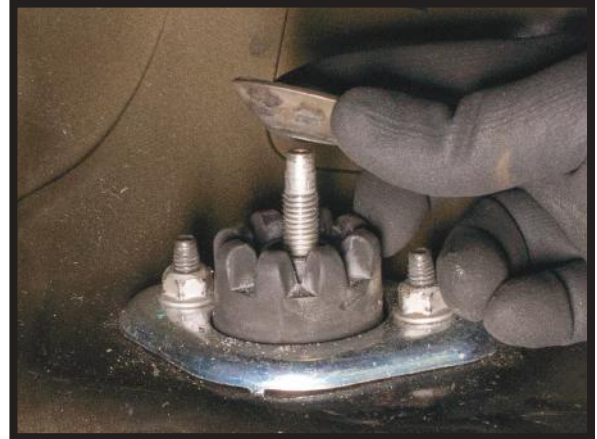


FIGURE 7

7. REMOVE THE (2) BOTTOM BOLTS SECURING THE STRUT TO THE CONTROL ARM. (FIGURE 8)



FIGURE 8

8. REMOVE THE STRUT FROM THE VEHICLE. (FIGURE 9)



FIGURE 9

9. REMOVE THE (2) U-NUTS FROM THE STRUT. (FIGURE 10)



FIGURE 10

NOTE:

RETAIN THE (2) OE U-NUTS FOR RE-USE ON THE NEW STRUT

AIR STRUT INSTALLATION



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



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 STRUT, ONTO THE NEW STRUT. (FIGURE 11)

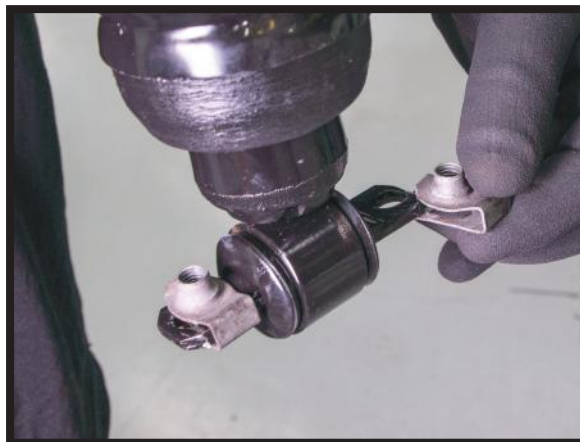


FIGURE 11

2. PLACE NEW STRUT INTO VEHICLE. BOLT THE STRUT INTO PLACE ON THE CONTROL ARM AND TIGHTEN. (FIGURES 12, 13)



FIGURE 12

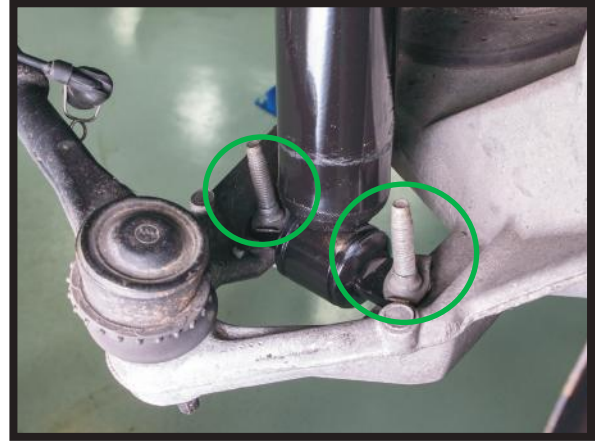


FIGURE 13

3. RAISE STRUT 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 STRUT 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)

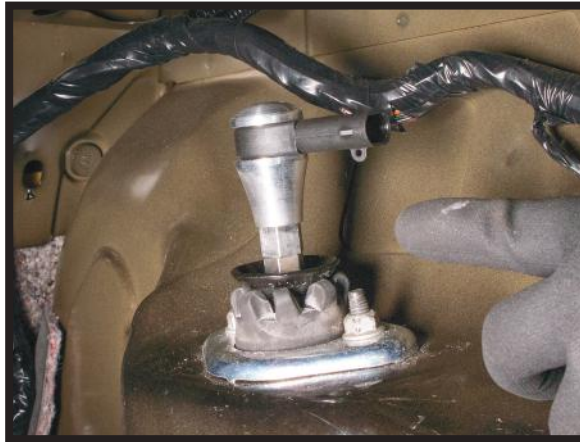


FIGURE 18

6. ATTACH THE ELECTRICAL CONNECTOR TO THE ELECTRICAL DAMPENING SENSOR. (FIGURES 19, 20)



FIGURE 19



FIGURE 20

7. ATTACH THE AIR LINE TO STRUT. (FIGURE 21)



FIGURE 21

8. REINSTALL TRUNK LINING.
9. INSTALLATION COMPLETE.