

# Installation Manual

## AS-2163 ARNOTT REAR AIR SHOCK FOR 1993-1996 CADILLAC (VARIOUS CARS)



Congratulations on your purchase of an Arnett® air suspension product. We at Arnett 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.*

#### KIT CONTAINS:

#### PARTS LIST

P/N	QTY	DESCRIPTION
21-4939	1	ARNOTT REAR AIR SHOCK
21-8473	1	INSTRUCTION PACKET

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett by calling **800-251-8993** during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.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](http://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 SHOCK REMOVAL

1. RAISE VEHICLE. THE TIRES MUST BE OFF THE GROUND AND SUSPENSION MUST BE FULLY DOWN WITH NO LOAD. REMOVE REAR WHEEL. (FIGURE 10-1)



FIGURE 10-1

2. LOCATE AND REMOVE THE AIR LINE TO DEFLATE THE AIR SHOCK. TURN THE METAL CLIP APPROX. 90° TO REMOVE THE AIR LINE FITTING FROM THE AIR SHOCK. (FIGURE 10-2)



FIGURE 10-2

3. SUPPORT LOWER CONTROL ARM WITH FLOOR JACK TO RELIEVE SPRING LOAD. (FIGURE 10-3)



FIGURE 10-3

4. LOOSEN AND REMOVE THE LOWER SHOCK NUT AND BOLT. (FIGURE 10-4)



FIGURE 10-4

5. REMOVE UPPER NUT, RETAINER AND INSULATOR. (FIGURE 10-5)



FIGURE 10-5

6. UNPLUG STRUT DAMPER SOLENOID AND REMOVE CABLE FROM MOUNTING BRACKETS. (FIGURE 10-6)



FIGURE 10-6

7. COMPRESS SHOCK AND REMOVE THROUGH UPPER CONTROL ARM. (FIGURE 10-7)



FIGURE 10-7



8. REMOVAL COMPLETE.

## AIR SHOCK INSTALLATION



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

1. POSITION TOP OF SHOCK ABSORBER WITH INSULATOR AND INSTALL THROUGH UPPER CONTROL ARM (FIGURE 20-1)



FIGURE 20-1

2. REPLACE LOWER NUT AND BOLT. (FIGURE 20-2)



FIGURE 20-2

3. REPLACE UPPER SHOCK ABSORBER INSULATOR, RETAINER AND NUT. (FIGURE 20-3)



FIGURE 20-3

4. CLIP AIR HOSE BACK ON AIR SHOCK FITTING. (FIGURE 20-4)



FIGURE 20-4

5. PLUG IN NEW STRUT DAMPER SOLENOID AND INSTALL CABLE BACK TO FACTORY MOUNTING BRACKETS. (FIGURE 20-5)



FIGURE 20-5

6. INSTALLED NEW AIR SHOCK. (FIGURE 20-6)



FIGURE 20-6

7. REPLACE WHEEL AND LOWER SUSPENSION.
8. INSTALLATION COMPLETE.