

# Installation Manual

## A-2466 ARNOTT REAR AIR SPRING FOR 2002-2009 LEXUS GX-470



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.*

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 SPRING REMOVAL

*Note: Refer to the diagram on pg. 4.*

1. Set steering to straight ahead.
2. lift vehicle and Remove wheel.
3. Deflate rear air spring by disconnecting the air lines leading from the valve block assembly to the rear air spring.
4. Remove the locking clip from the top side of the rear air spring.
5. Disconnect the air line from the air spring. Remove the locking clip from the air line.
6. Carefully compress and remove the air spring from the vehicle.

## AIR SPRING INSTALLATION



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



*Install air line into new air line fitting until fully secure.*



*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.*

**NOTE:** INSTALLATION STEPS WILL DIFFER DEPENDING ON TYPE OF EQUIPMENT USED TO LIFT THE VEHICLE. FOLLOW INSTRUCTIONS BELOW FOR CORRESPONDING LIFTING METHOD:

### WHEN USING A FLOOR JACK AND SAFETY STANDS

1. Secure the air spring into the top mount with the top mount locking clip and connect air line.
2. Raise the axle with a jack until the bottom piston is secure in the lower air spring perch.
3. Replace the wheel(s) and remove the safety stands. slowly and carefully lower the vehicle to the ground.

### WHEN USING A SWING ARM TYPE LIFT

1. Secure the air spring into the top mount with the top mount locking clip and connect the air line.
2. Replace the wheel(s).
3. Slowly and carefully lower the vehicle to the ground until the bottom piston is secure in the lower air spring perch.

### INFLATING AIR SPRING(S)

1. Ensure the air spring's rubber sleeve is not deformed.
2. Start the vehicle and allow the air suspension system to inflate the rear air spring(s) until normal ride height is achieved.

