

Installation Manual

A-2220 ARNOTT REAR AIR SPRING FOR 1990-2011 LINCOLN TOWN CAR FOR 1992-2011 FORD CROWN VICTORIA/ MERCURY GRAND MARQUIS



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.

KIT CONTAINS:

PARTS LIST

P/N	QTY	DESCRIPTION
21-4181	1	ARNOTT REAR AIR SPRING
21-6393	1	ACCESSORY KIT

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.

Installation Manual

A-2220 ARNOTT REAR AIR SPRING FOR 1990-2011 LINCOLN TOWN CAR FOR 1992-2011 FORD CROWN VICTORIA/ MERCURY GRAND MARQUIS



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 SPRING REMOVAL

1. TURN AIR SUSPENSION SWITCH TO THE **OFF** POSITION. (SWITCH IS LOCATED ON THE RIGHT SIDE OF THE LUGGAGE COMPARTMENT)
2. SET THE STEERING TO STRAIGHT AHEAD.
3. RAISE VEHICLE.
4. REMOVE REAR WHEEL.
5. REMOVE AIR SPRING SOLENOID RETAINING-CLIP.
6. ROTATE SOLENOID COUNTERCLOCKWISE TO THE FIRST STOP, AND THEN CAREFULLY PULL OUT TO VENT THE AIR PRESSURE FROM THE AIR SPRING. AFTER AIR SPRING IS DEFLATED, TURN AGAIN AND REMOVE SOLENOID FROM AIR SPRING.
7. WITH PLIERS, OR A SUITABLE HOOKED TOOL, REMOVE THE CLIP THAT SECURES THE TOP OF THE AIR SPRING TO THE CHASSIS. NOTE: TO ACCESS THE CLIP, GO UNDER THE WHEEL ARCH, BETWEEN THE BODY OF THE VEHICLE AND THE CHASSIS.
8. REMOVE THE PISTON-TO-AXLE SPRING SEAT CLIP. (AIR SPRING IS HELD IN PLACE WITH A ROUND RETAINER CLIP UNDER THE PISTON CAP. TO UNSNAP CLIP, GENTLY PRY BETWEEN THE PISTON AND THE AXLE. CLIP WILL UNSNAP WHEN PRESSURE IS APPLIED)

Installation Manual

A-2220 ARNOTT REAR AIR SPRING FOR 1990-2011 LINCOLN TOWN CAR FOR 1992-2011 FORD CROWN VICTORIA/ MERCURY GRAND MARQUIS



AIR SPRING INSTALLATION



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

1. CHANGE O-RINGS ON THE AIR SPRING SOLENOID.
2. INSTALL SOLENOID, AND REPLACE SOLENOID RETAINING-CLIP.
3. REPLACE THE TOP AIR SPRING RETAINING-CLIP.
4. CLIP THE BOTTOM OF THE AIR SPRING PISTON TO THE AXLE.

NOTE: IT IS VERY IMPORTANT TO MAKE SURE THE PISTON IS CLIPPED IN AND SECURE BEFORE INFLATING OR PRESSURIZING AIR SPRING.

5. REPLACE TIRE AND WHEEL ASSEMBLY. TIGHTEN WHEEL HUB BOLT NUTS TO 115-142 N-M (85-105 LB-FT).
6. REMOVE ALL SAFETY STANDS AND LOWER VEHICLE.
7. TURN THE AIR SUSPENSION SWITCH BACK TO THE **ON** POSITION, AND START VEHICLE. VEHICLE SHOULD RISE BACK TO FACTORY TRIM HEIGHT.

