

# Installation Manual

## C-2180 ARNOTT REAR COIL SPRING CONVERSION KIT FOR 1997-2002 LINCOLN CONTINENTAL



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
21-4592	1	ARNOTT REAR COIL SPRING CONVERSION
21-6982	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](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.*

## REAR AIR SPRING REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. TURN AIR SUSPENSION SWITCH TO THE OFF POSITION. (SWITCH IS LOCATED ON THE LEFT SIDE OF THE TRUNK)
3. REMOVE REAR WHEELS.
4. REMOVE SOLENOID-RETAINING CLIP. (FIGURE 10-1)



FIGURE 10-1

2. ROTATE SOLENOID COUNTERCLOCKWISE TO THE FIRST STOP, THEN PULL OUTWARD ON SOLENOID. MAKE SURE ALL THE AIR VENTS OUT OF THE AIR SPRING. ROTATE AGAIN AND REMOVE SOLENOID. (FIGURE 10-2)



FIGURE 10-2

3. REMOVE AIR HOSE AND UNPLUG POWER TO THE SOLENOID. TO REMOVE THE AIR HOSE, PUSH DOWN ON THE ORANGE RING WHILE PULLING OUT ON THE NYLON TUBING. (FIGURE 10-3)



FIGURE 10-3

4. DEPRESS THE TWO PLASTIC LOCKING FINGERS ON THE TOP AIR SPRING CAP. PUSH DOWN ON AIR SPRING AND REMOVE FROM TOP BODY BRACKET. (FIGURE 10-4)



FIGURE 10-4

5. DEPRESS THE FOUR LOCKING CLIPS ON THE LOWER AIR SPRING PISTON. PUSH UP THROUGH SPRING SEAT. (FIGURE 10-5)



FIGURE 10-5

6. REMOVE OLD AIR SPRING FROM VEHICLE. (FIGURE 10-6)



FIGURE 10-6

7. REMOVE LOWER SPRING SEAT NUTS AND BOLTS. (FIGURE 10-7)



FIGURE 10-7

8. REMOVE LOWER SPRING SEAT. (FIGURE 10-8)



FIGURE 10-8

9. UNBOLT THE TOP AND BOTTOM SHOCK ABSORBER RETAINING NUTS AND BOLTS. (FIGURE 10-9)



FIGURE 10-9

## REAR COIL SPRING INSTALLATION



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

1. INSTALL COIL SPRING TO UPPER AND LOWER SPRING MOUNTS USING THE ALUMINUM SPRING MOUNTS SUPPLIED WITH CONVERSION KIT. VERY CAREFULLY, JACK UP ON THE CENTER OF THE LOWER SPRING SEAT. (FIGURE 20-1)



FIGURE 20-1

2. ALIGN THE THREE (3) BOLT HOLES UP, AND REPLACE THE BOLTS FROM THE OUTSIDE AS SHOWN IN PICTURE. (FIGURE 20-2)



FIGURE 20-2

3. USING A WRENCH, REPLACE THE THREE (3) LOWER SPRING SEAT NUTS. (FIGURE 20-3)



FIGURE 20-3

4. REPLACE THE TOP AND BOTTOM SHOCK ABSORBER NUTS AND BOLTS.
5. TIE BACK NYLON TUBING AND ELECTRICAL PLUG.
6. REPLACE WHEELS AND LOWER SUSPENSION.