

# Installation Manual

A-2108  
ARNOTT REAR AIR SPRING  
LINCOLN MARK VIII  
CHASSIS: FN10



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.*

**NOTE:** SUSPENSION MUST BE AT FULL REBOUND, WITH NO LOAD AGAINST THE LOWER CONTROL ARM

## AIR SPRING REMOVAL

1. TURN THE AIR SUSPENSION SWITCH TO THE **OFF** POSITION.  
(SWITCH IS LOCATED ON THE DRIVER SIDE OF THE LUGGAGE COMPARTMENT.)
2. RAISE THE VEHICLE.
3. REMOVE THE REAR WHEEL AND ARCH LINER.
4. REMOVE AIR SPRING SOLENOID RETAINING CLIP.
5. ROTATE SOLENOID COUNTER-CLOCKWISE TO THE FIRST STOP, AND THEN CAREFULLY PULL DOWN TO VENT THE AIR PRESSURE FROM THE AIR SPRING. AFTER AIR SPRING IS DEFLATED, TURN AGAIN AND REMOVE SOLENOID FROM AIR SPRING.
6. DEPRESS THE FOUR PLASTIC LOCKING FINGER CLIPS IN BOTTOM OF AIR SPRING'S PISTON TO UNCLIP AIR SPRING FROM THE LOWER SUSPENSION ARM.

7. DEPRESS THE METAL LOCKING TAB AT TOP OF REAR AIR SPRING. WHILE HOLDING DOWN ON THE CLIP, ROTATE THE AIR SPRING TO DISENGAGE THE TOP CAP FROM CHASSIS.
8. CAREFULLY REMOVE AIR SPRING FROM THE CHASSIS.
9. SEAL OFF SOLENOID TO PREVENT ANY DIRT OR GREASE FROM ENTERING SYSTEM.

## AIR SPRING INSTALLATION

1. REPLACE THE O-RINGS ON THE AIR SPRING SOLENOID, AND LUBRICATE.
2. INSTALL SOLENOID, AND REPLACE SOLENOID RETAINING CLIP.
3. REPLACE THE TOP AIR SPRING RETAINING CLIP.
4. INSERT THE AIR SPRING'S UPPER CAP INTO THE TWO HOLES IN CHASSIS AND TWIST TO LOCK BACK INTO PLACE. THE REAR AIR SPRING WILL FIT IN EITHER RH OR LH.
5. INSERT THE PLASTIC LOCKING FINGERS OF LOWER PISTON INTO LOWER SUSPENSION ARM. MAKE SURE THEY ARE LOCKED IN PLACE. YOU NEED TO VISUALLY VERIFY THAT ALL OF THE FOUR PLASTIC FINGERS ARE CORRECTLY RETAINED.



*Do not inflate or pressurize the rear air spring until it is correctly installed!*

6. REPLACE THE TIRE AND WHEEL ASSEMBLY. TIGHTEN WHEEL HUB BOLT NUTS TO MANUFACTURE'S SPECIFICATIONS. REMOVE ALL SAFETY STANDS AND LOWER VEHICLE.
7. PARTIALLY LOWER THE REAR SUSPENSION. **DO NOT LOWER TO THE BUMP STOPS.**
8. TURN THE AIR SUSPENSION SWITCH TO THE **ON** POSITION.
9. START THE ENGINE AND LET THE AIR SUSPENSION RISE TO NORMAL TRIM HEIGHT.



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

