



# INSTALLATION MANUAL

AS-3461

Arnott New Rear Right Air Strut  
Ford Expedition (U324) & Lincoln Navigator (U326)



**Engineered to Ride, Built to Last<sup>®</sup>**

# CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® SUSPENSION PRODUCT

WE AT ARNOTT LLC ARE PROUD TO OFFER A HIGH QUALITY PRODUCT WITH ALL THE TECHNICAL SUPPORT YOU NEED. 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 and certified automotive 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.

## 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) and [www.arnotteurope.com](http://www.arnotteurope.com).



### 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.

- Not to be stored below 5°F (-15°C) and 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.

For vehicles with a "Closed Air Supply System," replacement of components requires proper adherence to procedures set forth within OE servicing literature. Failure to comply with the OE prescribed procedures can result in component damage and/or failure.

# REAR AIR STRUT REMOVAL

1. Raise the vehicle.
2. Remove the rear wheels. (Figure 1)



FIGURE 1

3. Unplug the electrical connector from the air spring's solenoid. (Figure 2)



FIGURE 2

4. Remove the air line from the air spring's solenoid. Push the collar in to release and pull the air line out. (Figure 3)

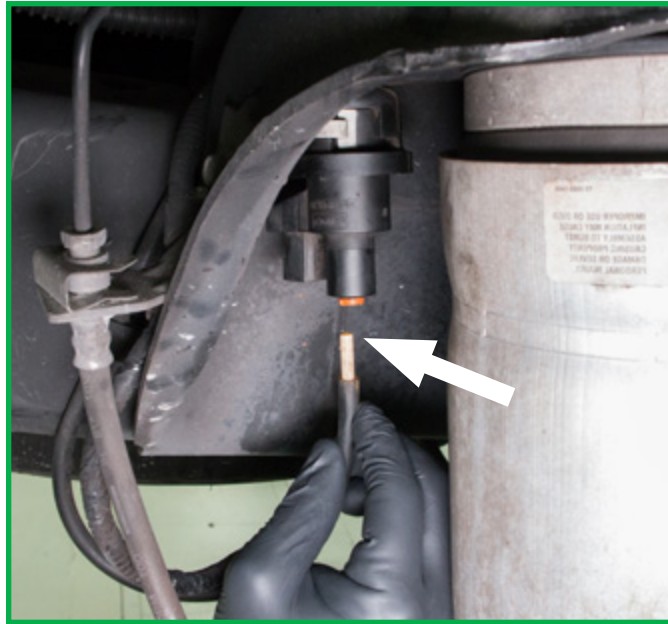


FIGURE 3

5. Disconnect the ride height sensor. (Figure 4)

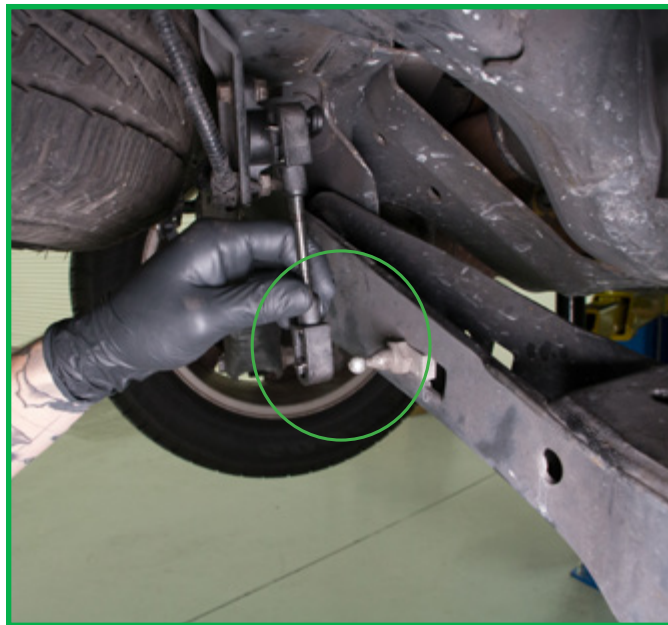


FIGURE 4

6. Remove the lower shock mounting nut and bolt. (Figure 5)



FIGURE 5

7. Remove the inner lower control arm nut and bolt. (Figures 6, 7)



FIGURE 6



FIGURE 7

8. Loosen and remove the top three (3) mounting nuts. (Figure 8)

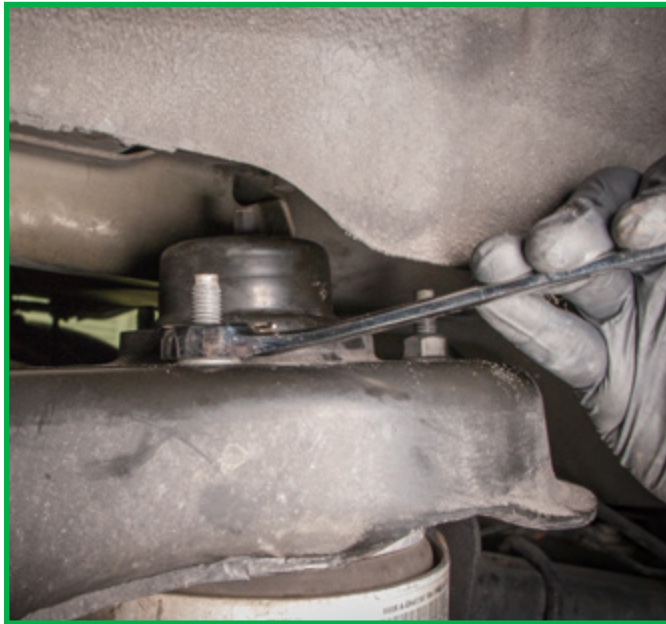


FIGURE 8

9. Remove the air strut from vehicle. (Figure 9)



FIGURE 9

10. Removal complete.

# AIR STRUT INSTALLATION



**WARNING:**

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

1. Install the new strut into the vehicle. (Figure 10)



FIGURE 10

2. Loosely secure the top mount nuts.
3. Install the lower strut mount bolt. Tighten to manufacturer's specifications. (Figure 11)



FIGURE 11

4. Install the inner control arm bolt. Tighten to manufacturer's specifications. (Figure 12)



FIGURE 12

5. Tighten the top mount nuts to manufacturer's specifications. (Figure 13)

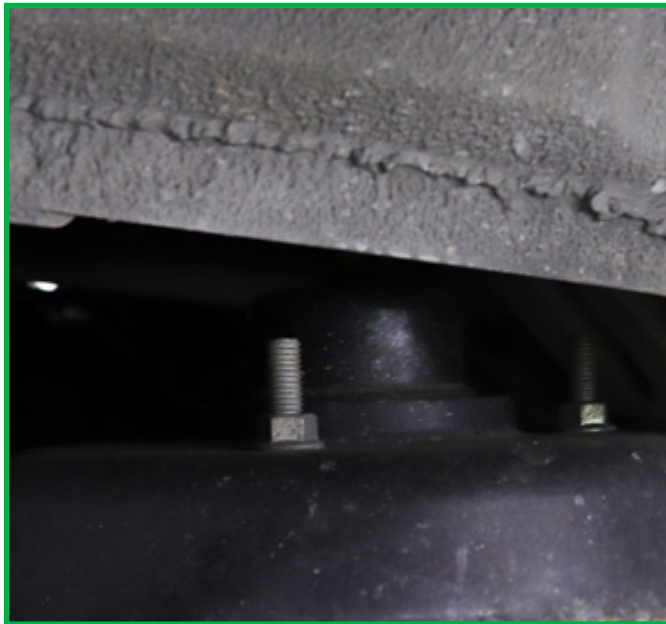


FIGURE 13



6. Insert the air line. Reconnect the electrical connector. (Figure 14)

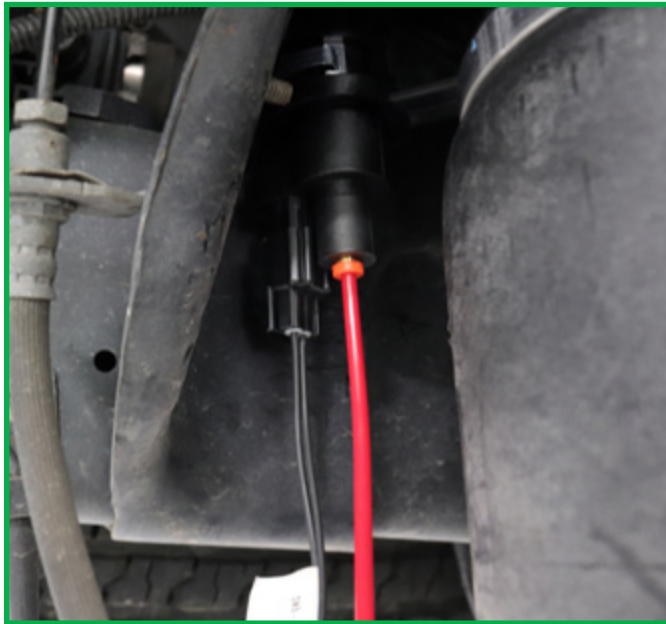


FIGURE 14

7. Reconnect the ride height sensor. (Figure 15)

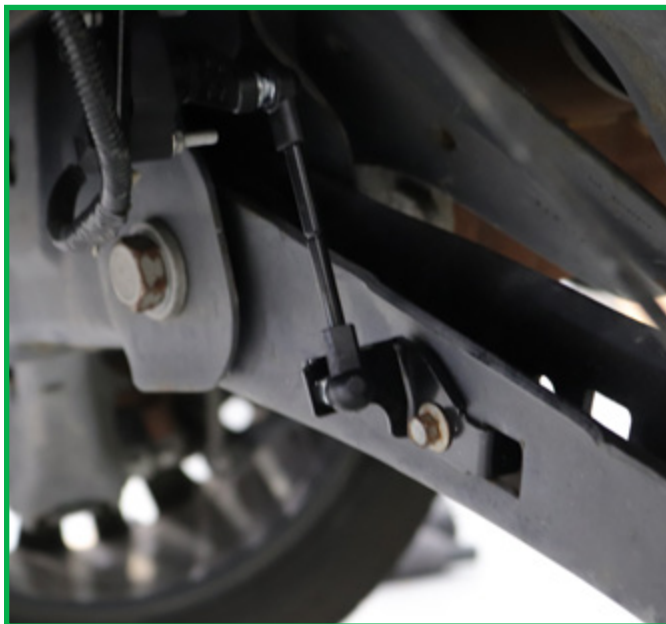


FIGURE 15

8. Reinstall the wheel.
9. Lower the vehicle.
10. Installation complete.

# Arnott™

## Suspension Products

### Arnott US Business Office:

[www.arnottinc.com](http://www.arnottinc.com)

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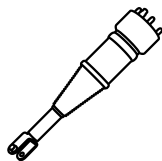
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**FR Phone:** +32 78 48 46 93

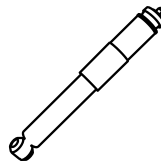
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



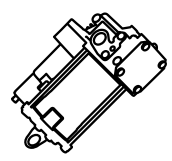
Air Springs



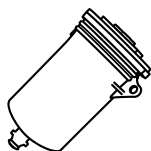
Struts



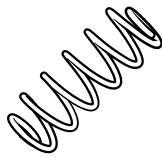
Shocks



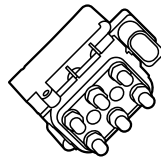
Compressors



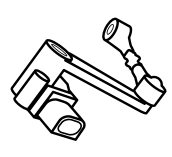
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors