



# INSTALLATION MANUAL

## A-3635 Arnott New Rear Air Spring Ram 3500 (D2)



**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.

# AIR SPRING REMOVAL

1. Disable the air suspension system per manufacturer's specifications.
2. Raise the vehicle per manufacturer's specifications.
3. Deflate the air springs per manufacturer's specifications.
4. Remove the air line. (Figures 1, 2, 3)



FIGURE 1

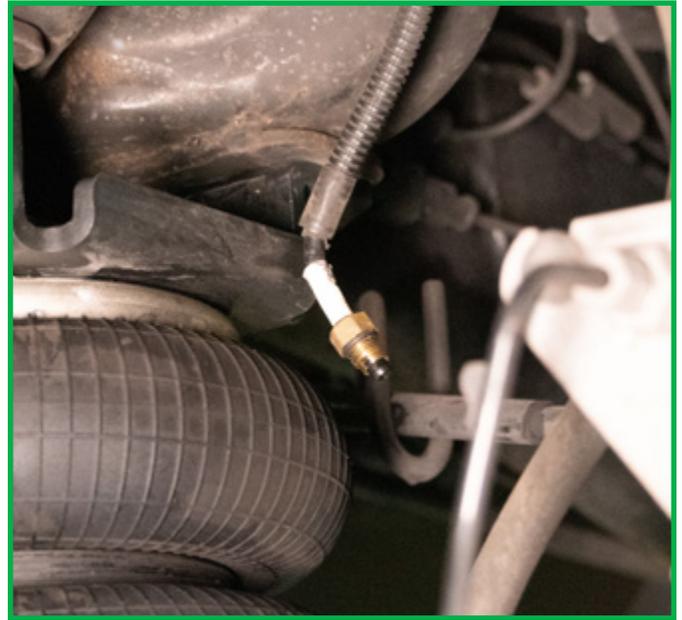


FIGURE 2

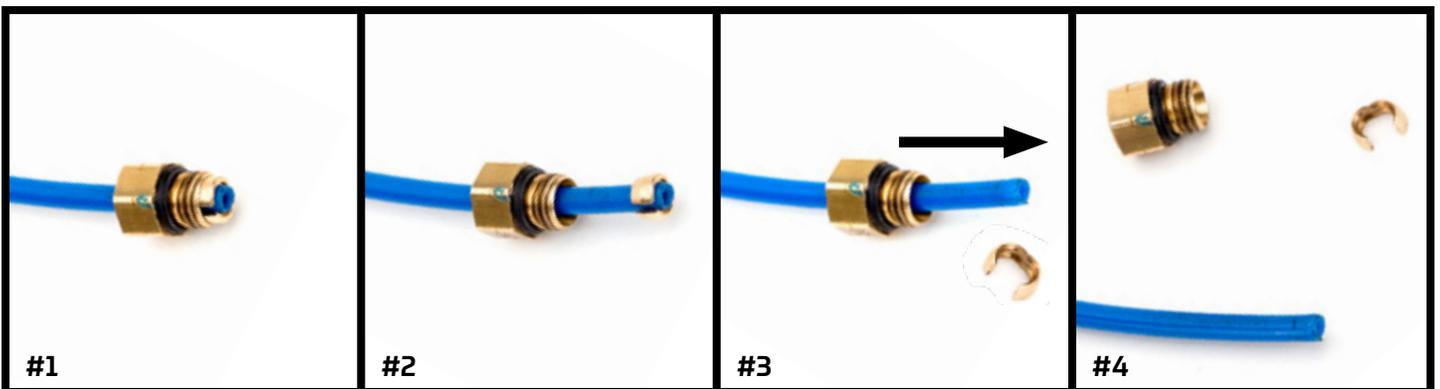
## REMOVAL



Prior to inserting the existing air line into the new air strut you will need to remove the old original equipment air line fitting and discard.

### NOTE:

Scratches and/or deep cuts in the air line can result in possible leaks. Inspect the air line before insertion. Air line needs to be replaced if damaged.



#1

#2

#3

#4

OE AIR LINE FITTING

SLIDE THE THREADED PORTION UP THE LINE AND SPREAD THE COLLET OPEN TO REMOVE

SLIDE THE AIR FITTING OFF OF THE AIR LINE

DISCARD OE AIR LINE FITTING

FIGURE 3

5. Remove the two (2) air spring lower nuts. (Figures 4, 5)



FIGURE 4



FIGURE 5

6. Remove the two (2) air spring upper bolts. (Figures 6, 7)



FIGURE 6



FIGURE 7

7. Remove the air spring from the vehicle. (Figure 8)



FIGURE 8

## AIR SPRING INSTALLATION

1. Install the new air spring into the vehicle. (Figures 9, 10)



FIGURE 9



FIGURE 10

2. Reinstall the two (2) air spring upper bolts. Tighten to manufacturer's specifications. (Figures 11, 12)



FIGURE 11



FIGURE 12

3. Reinstall the two (2) air spring lower nuts. Tighten to manufacturer's specifications. (Figures 13, 14)



FIGURE 13

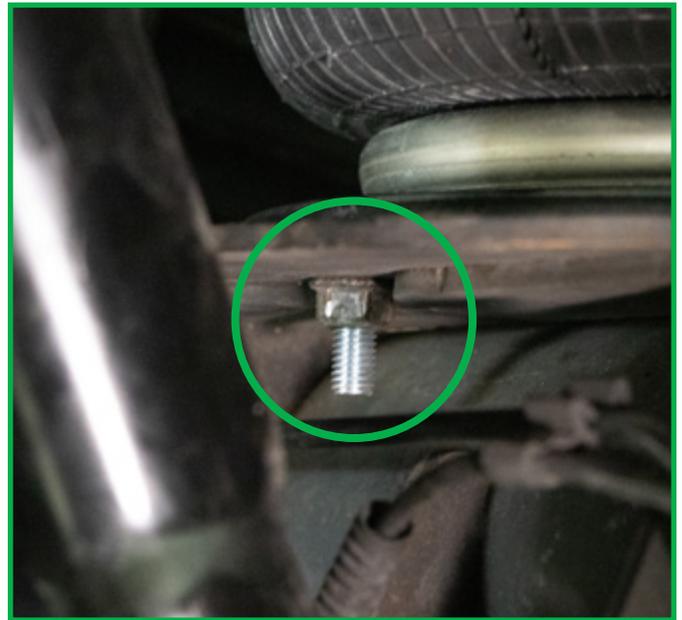


FIGURE 14

4. Remove the shipping pin from the air fitting and install the air line. (Figure 15)

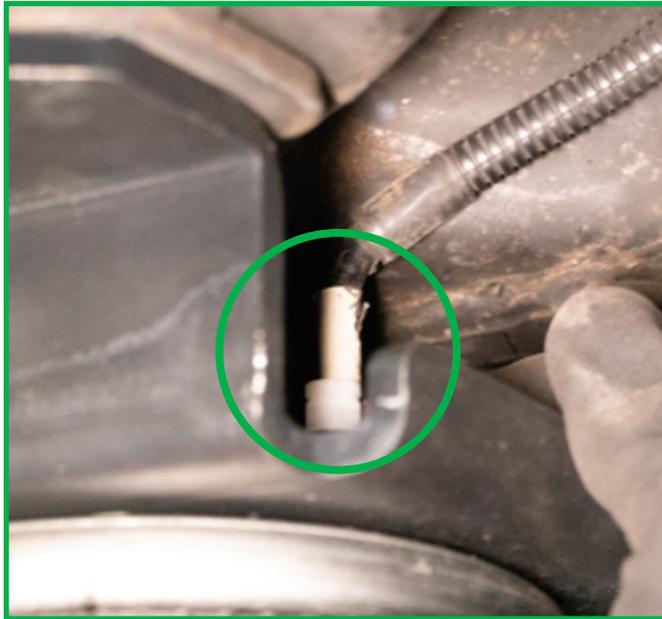


FIGURE 15

5. Re-enable the air suspension system and inflate the air springs per manufacturer's specifications.
6. Lower the vehicle.

# Arnott™

## Suspension Products

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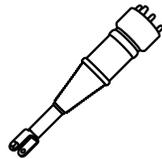
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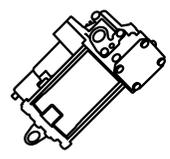
Air Springs



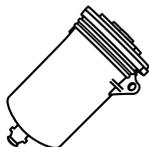
Struts



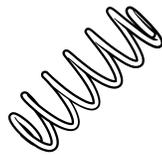
Shocks



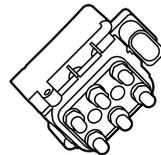
Compressors



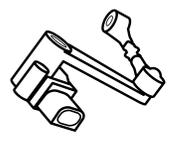
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors