Arnott®
Suspension Products

# INSTALLATION MANUAL

## A-5656
## Arnott New Rear Air Spring
## Ram 1500 (DT)



**Engineered to Ride, Built to Last®**

# 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 and 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.

# AIR SPRING REMOVAL

1. Raise the vehicle.
2. Remove the applicable rear wheel.
3. Remove wheel well liner.
4. Use the scan tool to deflate the air spring into the reservoir.
5. Loosen and remove the air line. (Figures 1, 2)

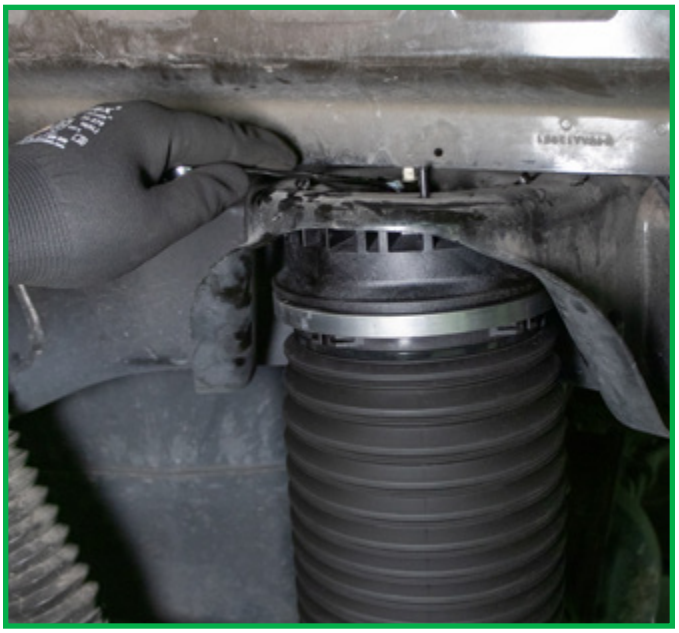


FIGURE 1

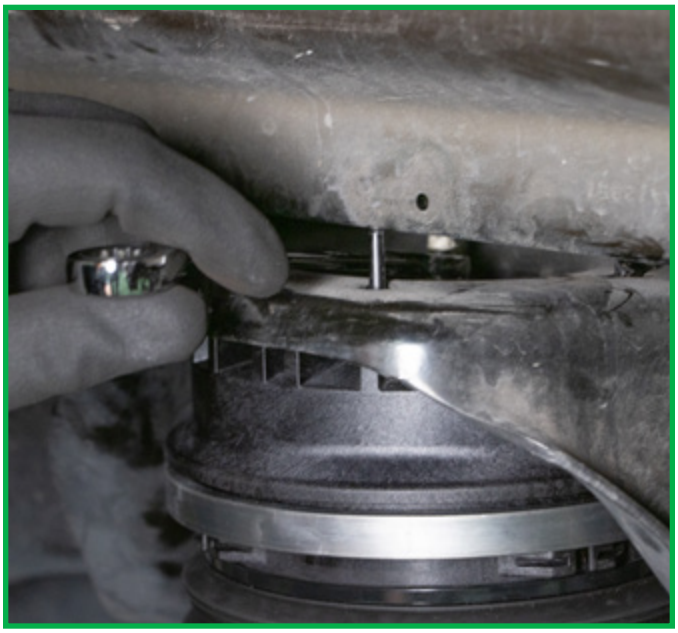


FIGURE 2

6. Push in the locking tabs and push downward on the air spring to dislodge it from the vehicle. (Figures 3, 4)

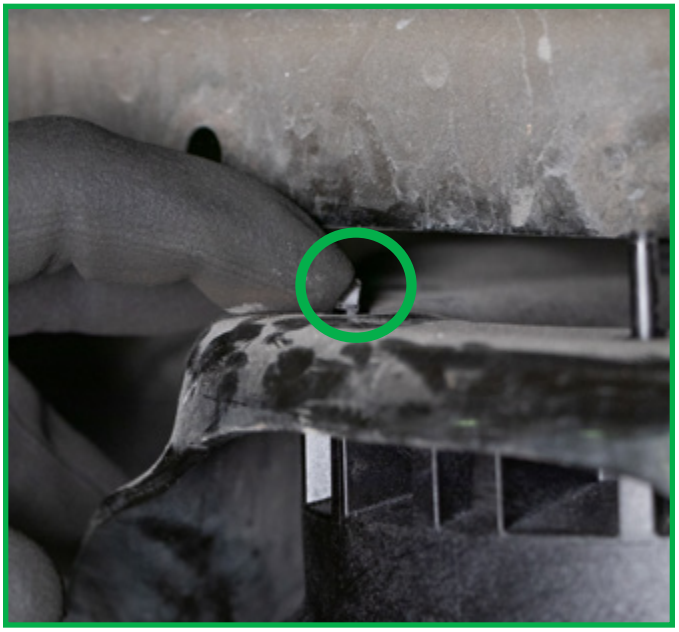


FIGURE 3



FIGURE 4

7. Remove the air spring from the vehicle completely. (Figure 5)



FIGURE 5

8. Removal complete.

## AIR SPRING INSTALLATION

**WARNING:**

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

1. Prepare the new Arnott air spring by removing the included nut and removing the shipping pin from the air fitting. (Figures 6, 7)



FIGURE 6



FIGURE 7

2. Install the new Arnott air spring into the vehicle. (Figure 8)

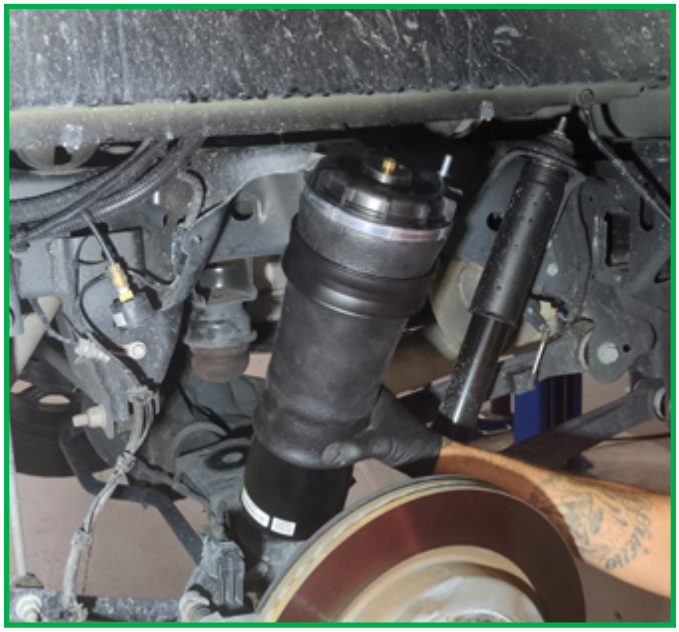
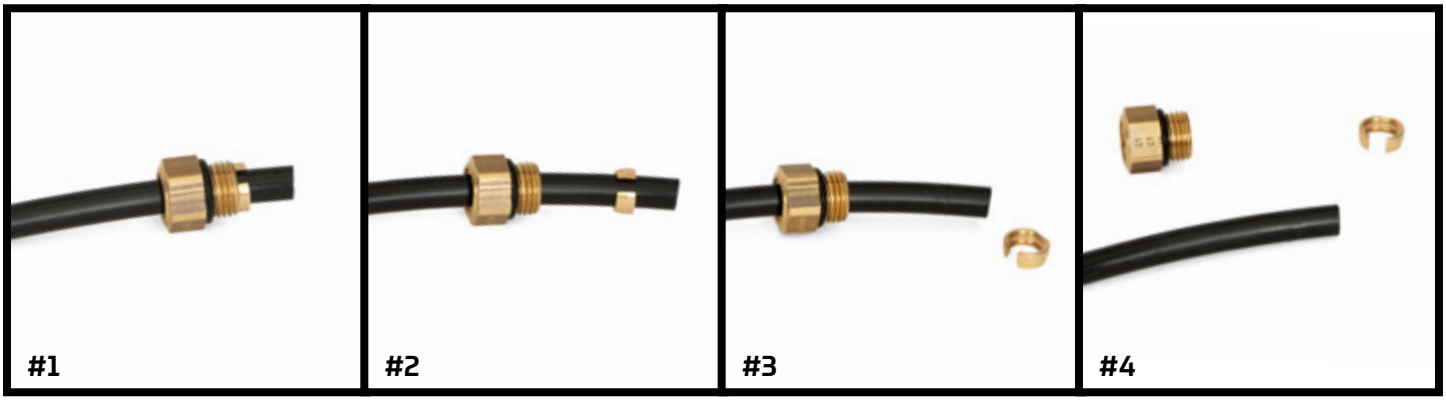


FIGURE 8

## OE AIR FITTING 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.




| 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 | AIR LINE IS READY FOR INSTALLATION |
|---|---|---|---|

3. Insert the air line into the air fitting. (Figure 9)



FIGURE 9

4. Locate the hole in the upper spring seat towards the front of the vehicle. Install the included nut, tighten until snug. (Figure 10)



FIGURE 10

5. Using an appropriate jack, lift the lower axle until the spring seat contacts the lower spring mount. (Figure 11)

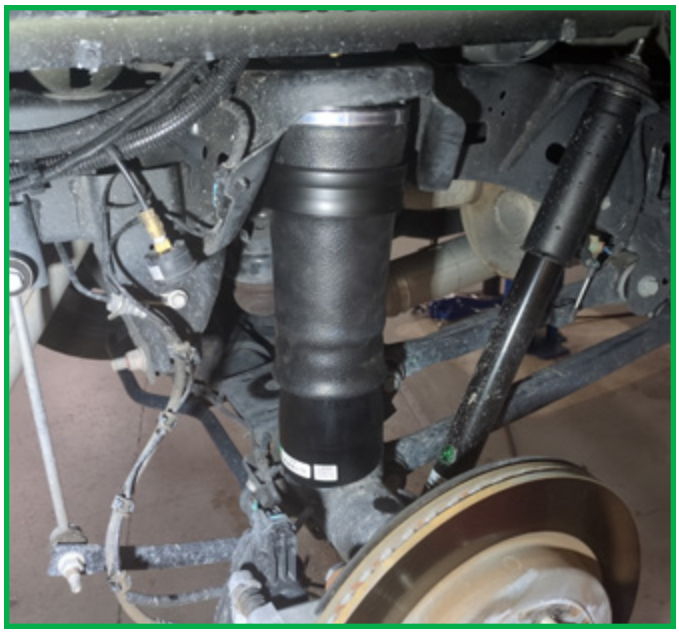


FIGURE 11

6. Using the scan tool, run a short-time inflation to seat the spring.
7. Remove the jack and run the full inflation routine. (Figure 12)



FIGURE 12

8. Check the system air mass volume and refill the system per manufacturer's instructions.
9. Reinstall the wheel well liner.
10. Reinstall the wheel.
11. Installation complete.

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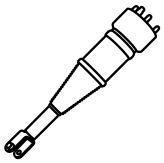
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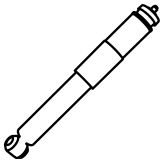
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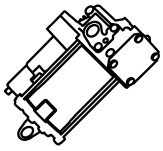

Air Springs



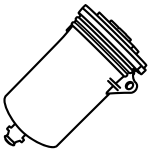
Struts



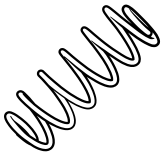
Shocks



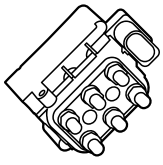
Compressors



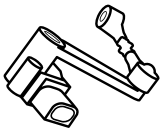
Dryers



Coil Spring Conversion Kits



Valve Blocks



Ride Height Sensors