



INSTALLATION MANUAL

AS-4412 Arnott New Rear Air Strut Various GM SUVs (GMT1xx Chassis)



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.

REAR AIR STRUT REMOVAL

1. Raise the vehicle.
2. Disable and deflate the air suspension system per manufacturer's instructions.
3. Remove the applicable rear wheel. (Figure 1)



FIGURE 1

4. Remove a portion of the wheel well liner to gain access to the top of the strut tower. (Figure 2)



FIGURE 2

5. Disconnect the electrical connector from the strut. (Figure 3)



FIGURE 3

6. Remove the air fitting from the strut. (Figure 4)

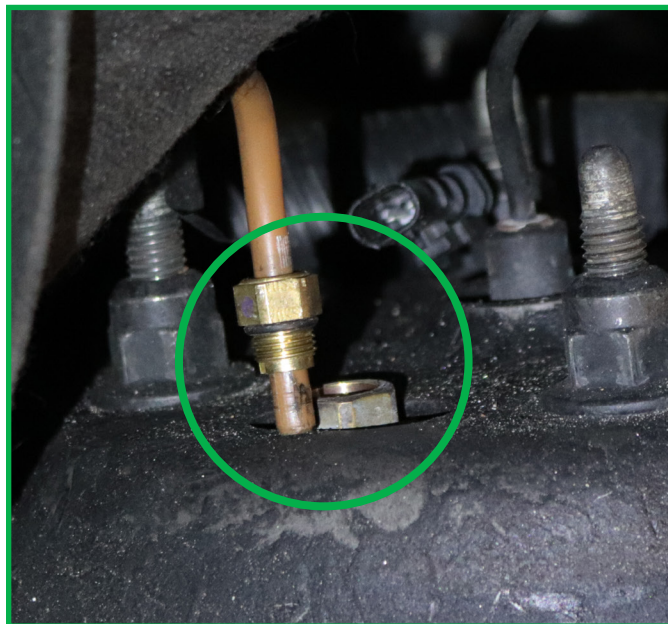


FIGURE 4

7. Remove the three top nuts. (Figure 5)

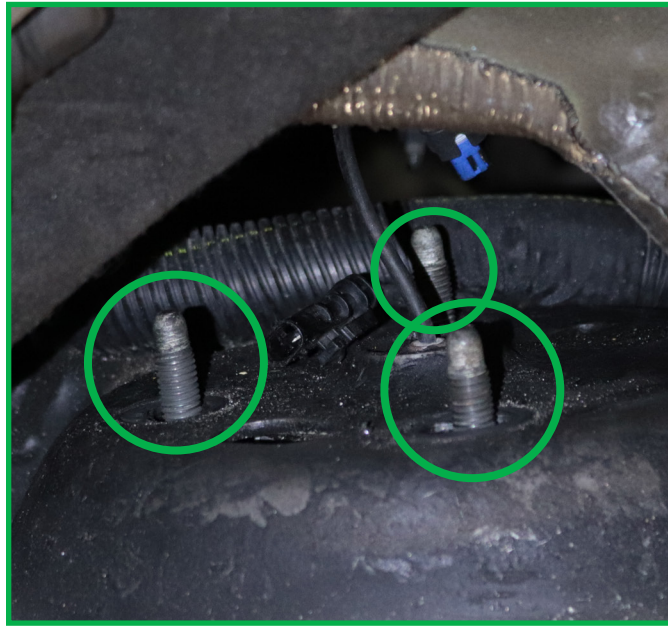


FIGURE 5

8. Disconnect the brake line bracket from the lower control arm. (Figure 6)



FIGURE 6

9. Disconnect the lower control arm from the wheel hub. (Figure 7)

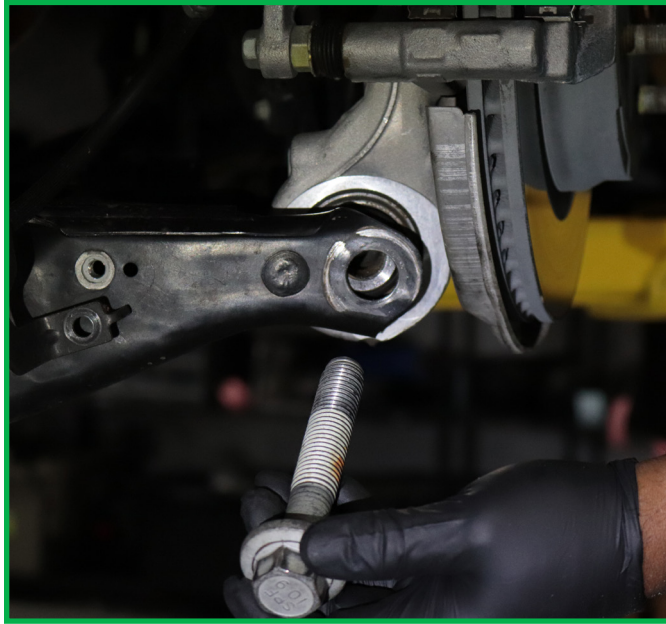


FIGURE 7

10. Remove the lower strut mount bolt. (Figure 8)



FIGURE 8

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



FIGURE 9

12. Removal complete.

REAR AIR STRUT INSTALLATION



WARNING:

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

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



FIGURE 10

2. Install the three new included top nuts. Tighten to manufacturer's specifications. (Figure 11)

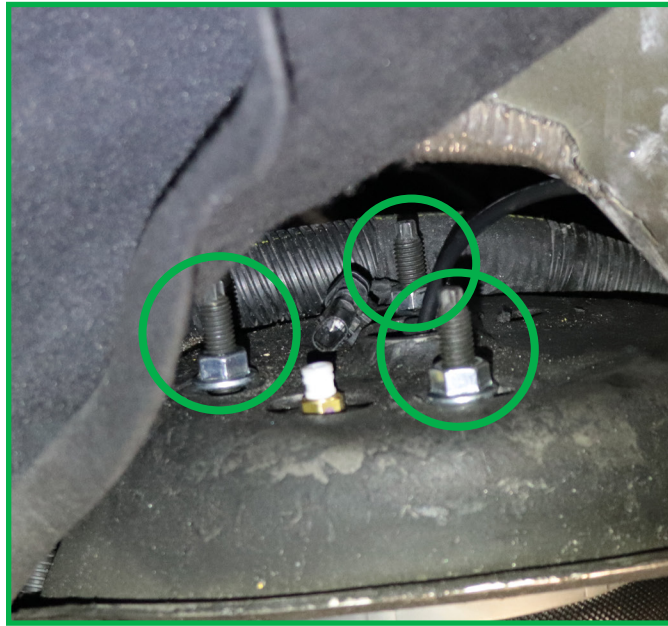


FIGURE 11

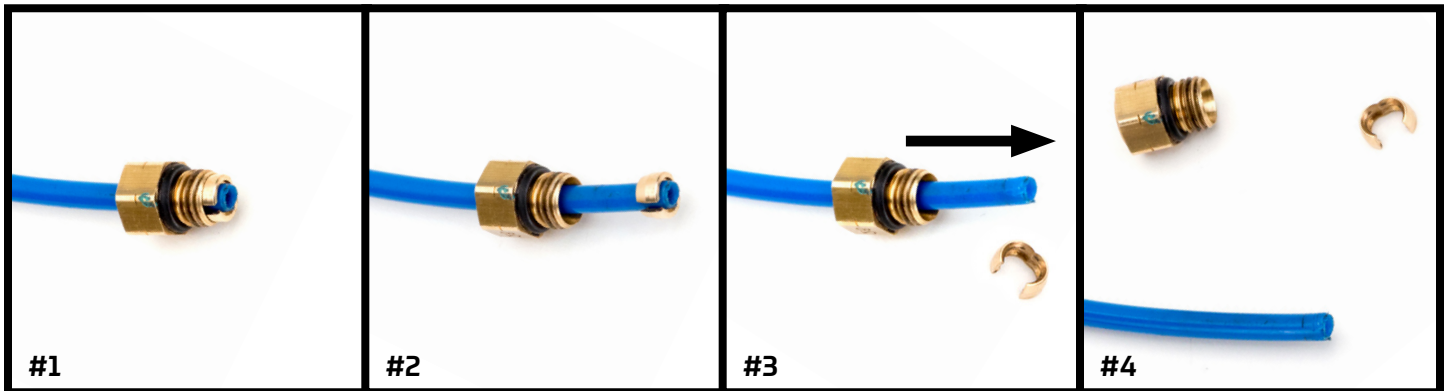
REMOVAL



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

OE AIR LINE FITTING

#2

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

#3

SLIDE THE AIR FITTING OFF OF THE AIR LINE

#4

DISCARD OE AIR LINE FITTING

3. Insert the air line into the air fitting. (Figure 12)

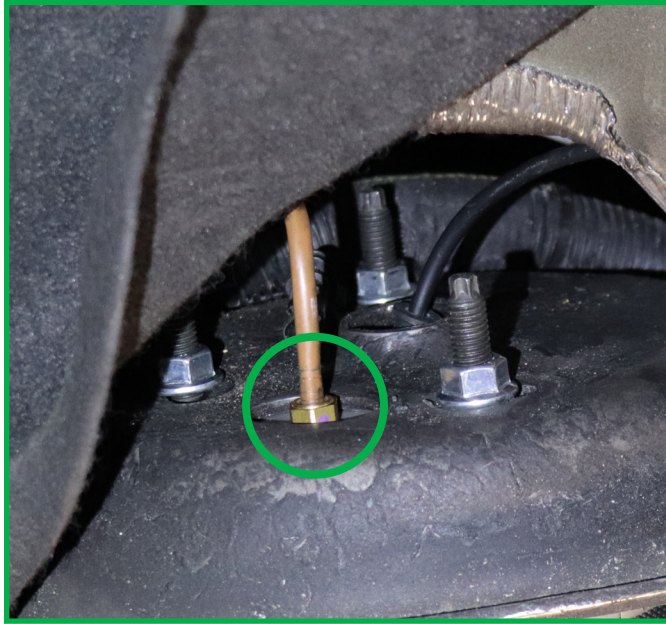


FIGURE 12

4. Reconnect the strut electrical connector. (Figure 13)

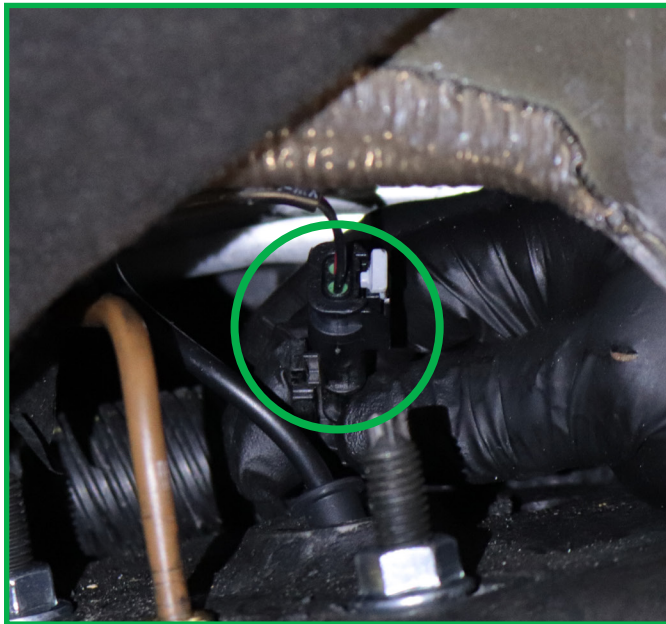


FIGURE 13

5. Reinstall the lower strut mount bolt. Tighten to manufacturer's specifications. (Figure 14)



FIGURE 14

6. Reconnect the lower control arm to the wheel hub. Tighten to manufacturer's specifications. (Figure 15)

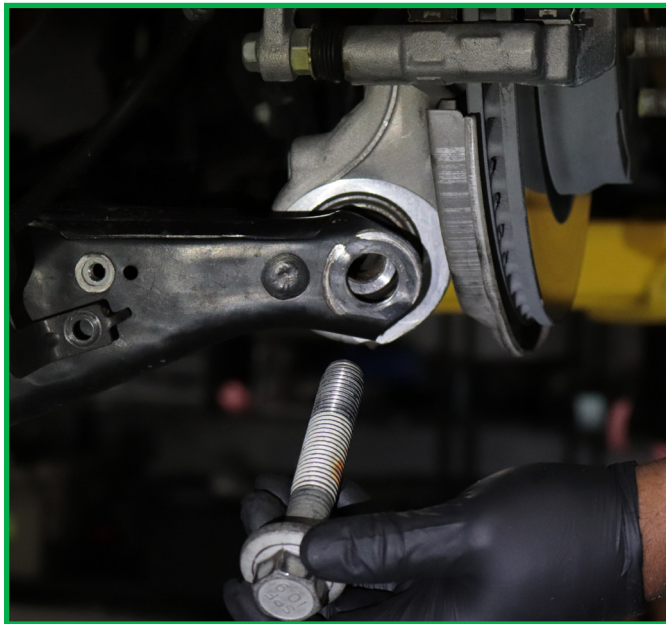


FIGURE 15

7. Reconnect the brake line bracket to the lower control arm. Tighten to manufacturer's specifications. (Figure 16)



FIGURE 16

8. Secure the wheel well liner.
9. Reinstall the wheel.
10. Enable and inflate the air suspension system per manufacturer's instructions.
11. Installation complete.

Arnott™

Suspension Products

Arnott US Business Office:

www.arnottinc.com

100 Sea Ray Drive
Merritt Island, FL 32953

Call: 800.251.8993

321.868.3016

Fax: 321.868.3703

Email: techassistance@arnottinc.com

Arnott Europe Business Office:

www.arnotteurope.com

Docterskampstraat 1E/1F, 3
5222 AM 's-Hertogenbosch (NL)

NL Phone: +31 73 7850 580

DE Phone: +31 85 2087 438

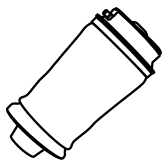
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BE Phone: +32 258 846 90

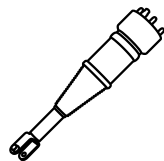
ES Phone: +34 91 901 10 56

FR Phone: +32 78 48 46 93

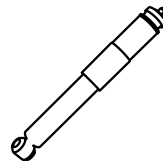
Email: info@arnotteurope.com



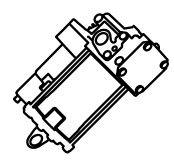
Air Springs



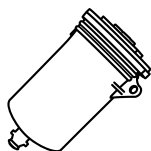
Struts



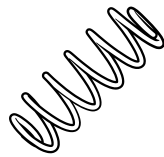
Shocks



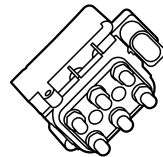
Compressors



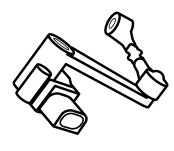
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors