



# INSTALLATION MANUAL

**P-3818**

**Arnott New Air Suspension Compressor  
BMW 5 Series GT/Wagon (F07/11), 7 Series (F01/2/4)  
Incl. Hybrids**



**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](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.

# AIR SUSPENSION COMPRESSOR ASSEMBLY REMOVAL

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Remove protective shroud from under the rear of the vehicle to access the compressor. (Figures 1, 2)



FIGURE 1



FIGURE 2

4. Disconnect the three (3) electrical connectors from the valve block and compressor assembly. (Figures 3, 4, 5)

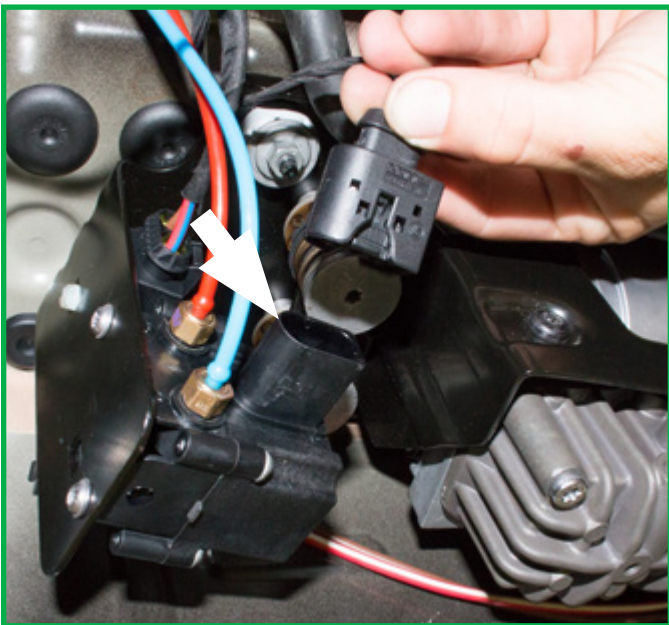


FIGURE 3

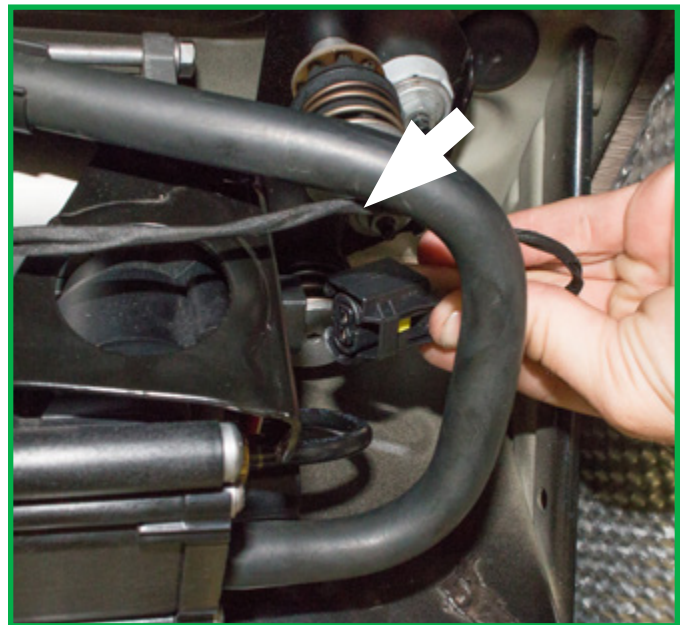


FIGURE 4

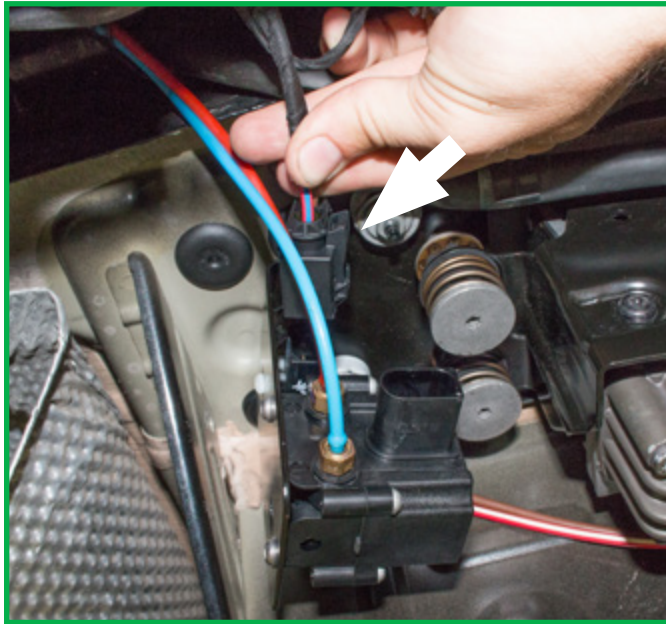


FIGURE 5

5. Disconnect the rubber intake hose. (Figure 6)



FIGURE 6

6. Disconnect the red and blue air lines from the valve block (Note: black line does not have to be disconnected). (Figure 7, 8)

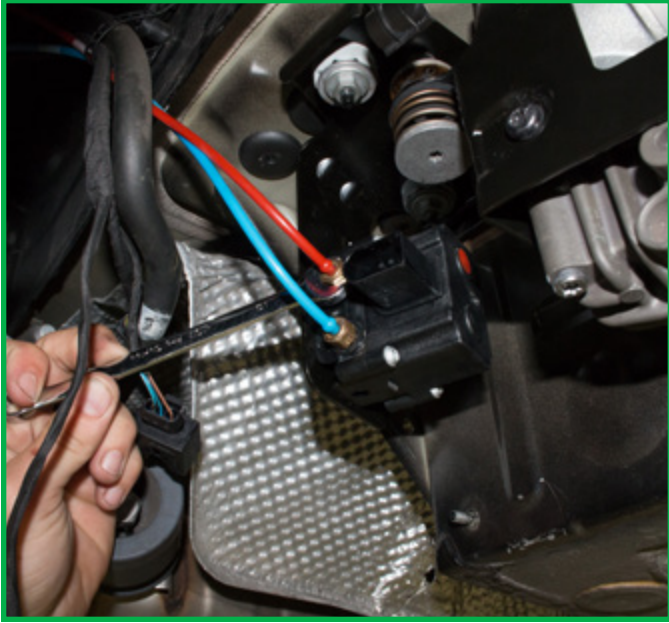


FIGURE 7

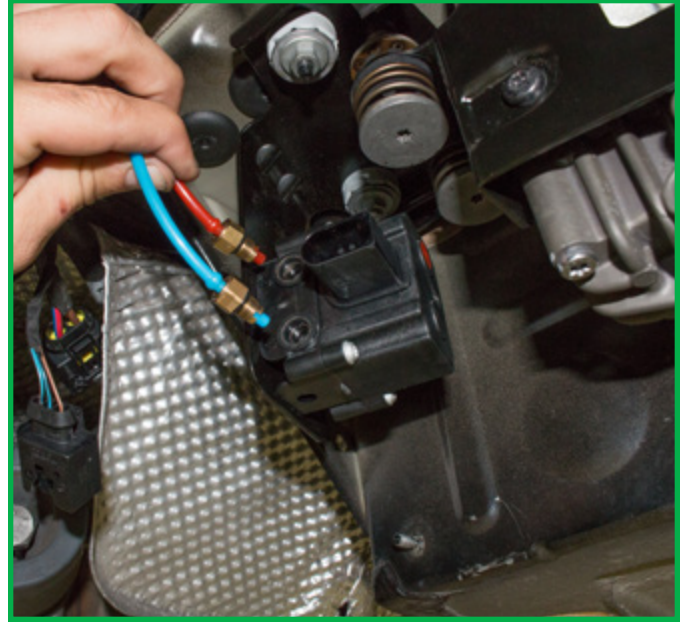


FIGURE 8

7. Remove the four (4) outer mounting nuts that secure the compressor bracket assembly to the vehicle. (Figure 9)



FIGURE 9

8. Remove the entire compressor assembly from the vehicle. (Figure 10)



FIGURE 10

## AIR SUSPENSION COMPRESSOR REMOVAL

1. Remove the air line from the compressor. (Figure 11)



FIGURE 11

2. Remove the air line fitting from the air hose by sliding the threaded portion up the line and spreading the collet open. Slide the air fitting off the air line. (Figure 12)



FIGURE 12

3. Remove the three (3) torx screws that secure the mounting bracket to the compressor. (Figures 13, 14)



FIGURE 13

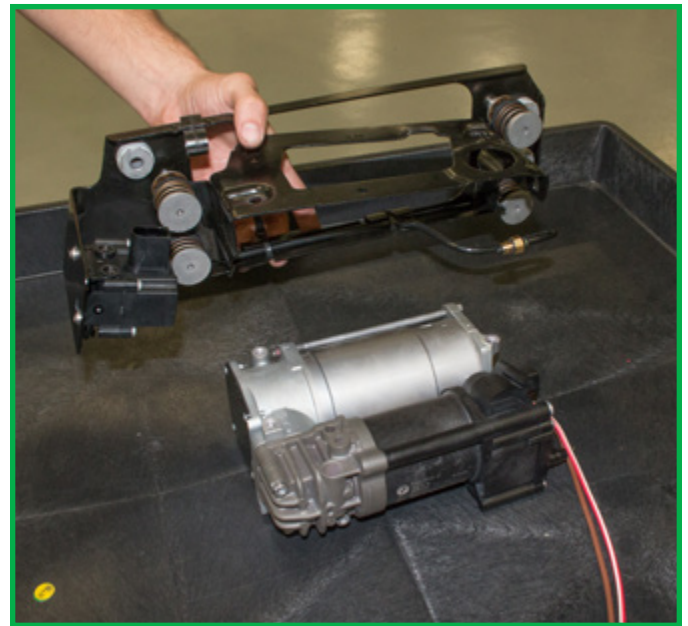


FIGURE 14

# AIR SUSPENSION COMPRESSOR INSTALLATION



## WARNING:

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

1. Install mounting bracket on the new air compressor using the hardware provided. (Figures 15, 16)

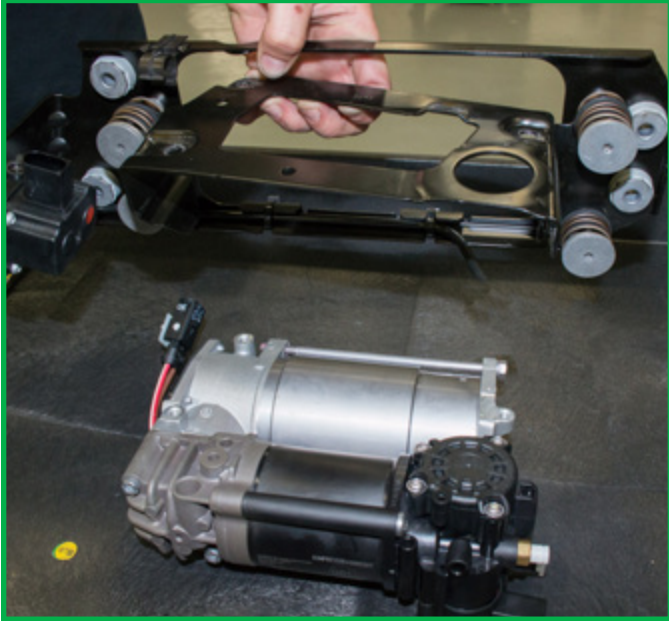


FIGURE 15

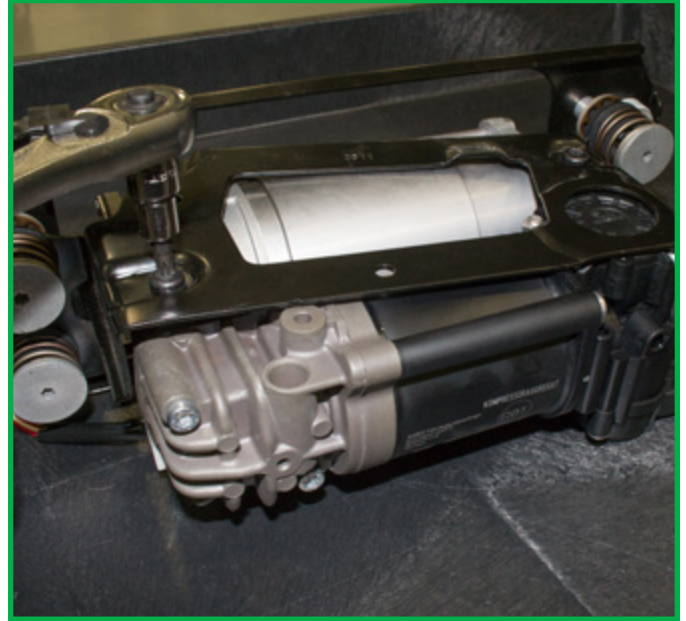


FIGURE 16

2. Remove the white shipping pin and insert air line. (Figure 17)

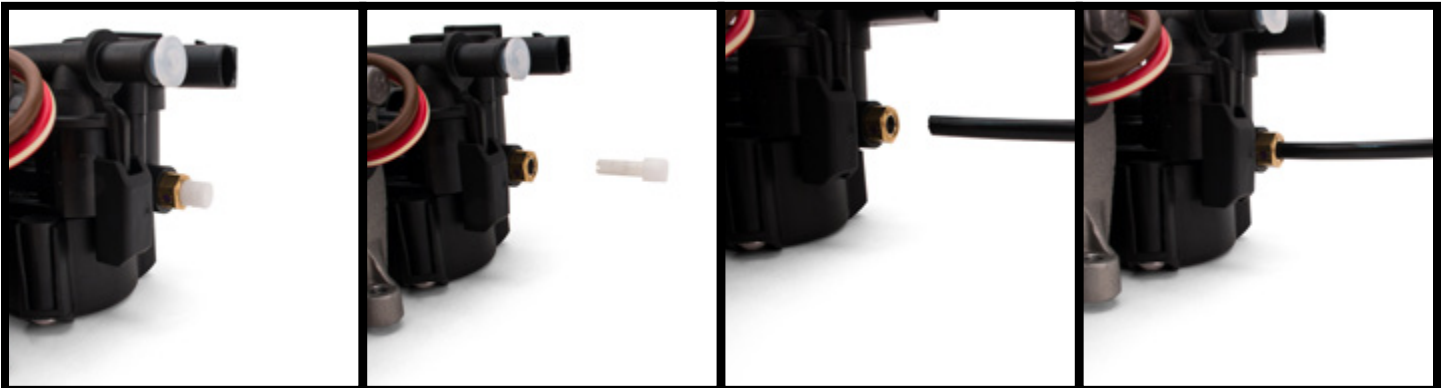


FIGURE 17

# AIR SUSPENSION COMPRESSOR ASSEMBLY INSTALLATION



## WARNING:

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

1. Install the air compressor assembly into the vehicle using the factory mounting hardware. (Figure 18)

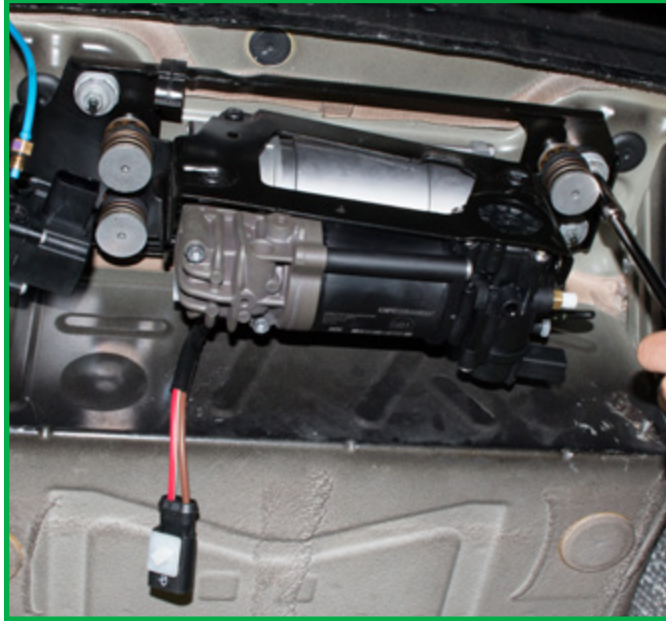


FIGURE 18

2. Remove plug and insert intake hose. (Figures 19, 20)

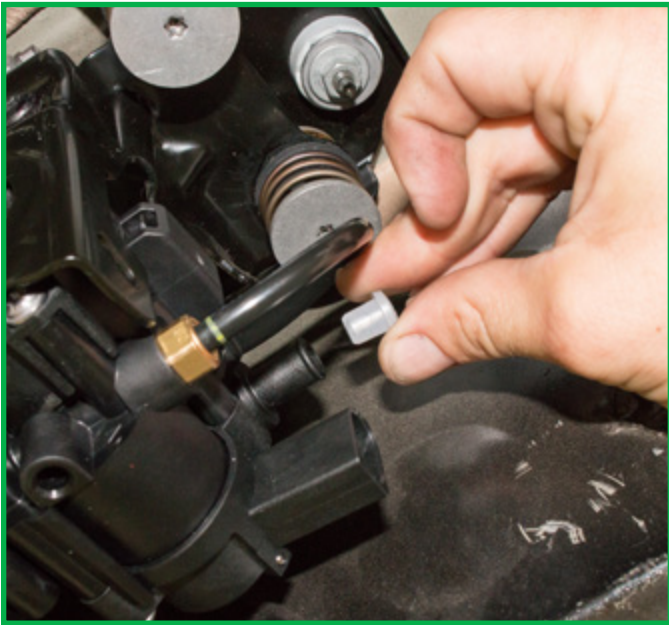


FIGURE 19



FIGURE 20

3. Reattach the red (upper) and blue (lower) air lines. (Figure 21)

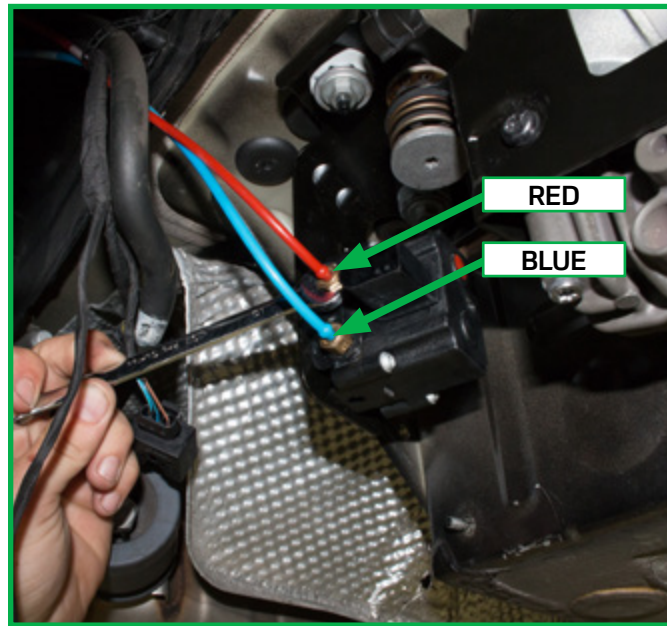


FIGURE 21

4. Reconnect all three (3) electrical plugs and clip the power plug into the bracket. (Figures 22, 23, 24)

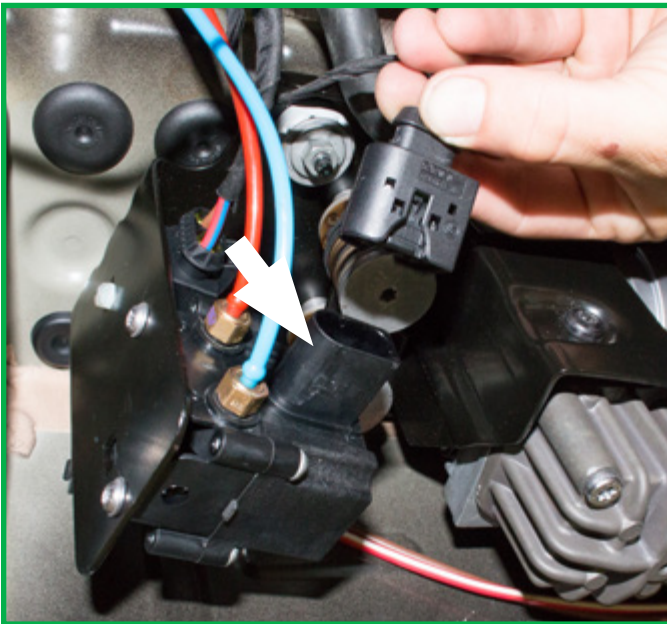


FIGURE 22



FIGURE 23

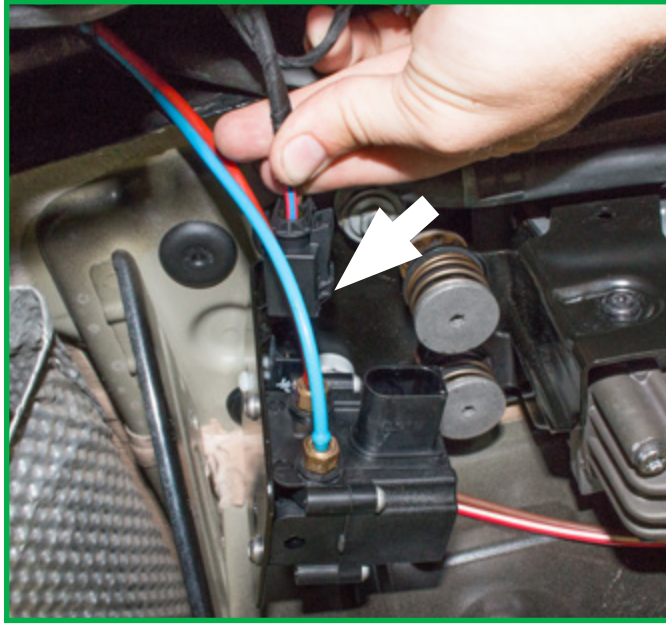


FIGURE 24

5. Replace the protective shroud over the compressor. Installation complete.



## WARNING



**CRACKED AIR SPRINGS MUST BE CHANGED  
TO VALIDATE THE WARRANTY ON THE COMPRESSOR**

**PLEASE READ ADDITIONAL WARRANTY INFORMATION ON THE BACK OF YOUR INVOICE**



### PROPER PROCEDURE FOR ASSESSING YOUR AIR SPRING'S CONDITION

1. Turn off air suspension switch if equipped.
2. Refer to owner's manual for proper lifting techniques and jacking points.
3. Raise the vehicle.
4. Inspect air springs for any type of cracks or excessive wear. Cracks in air springs are evident if they are leaking. This will cause the compressor to overheat from continuous operation.

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling **800-251-8993** during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com).  
(In the EU please call **+31 (0)73 7850 580** or email [info@arnotteurope.com](mailto:info@arnotteurope.com))

# Arnott®

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**Email:** [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com)

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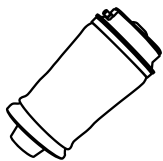
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**BE Phone:** +32 258 846 90

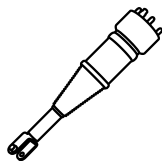
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**FR Phone:** +32 78 48 46 93

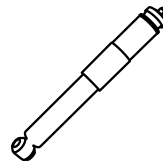
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



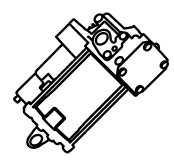
Air Springs



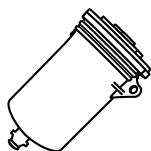
Struts



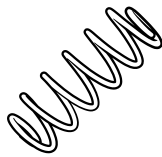
Shocks



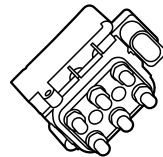
Compressors



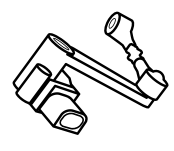
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors