



INSTALLATION MANUAL

P-3727

Arnott New OES Air Suspension Compressor
Mercedes-Benz S-Class (W222)



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 SUSPENSION COMPRESSOR REMOVAL

1. Set steering to straight ahead.
2. Lift vehicle.
3. Remove front left wheel.
4. Remove the fasteners and front inner wheel well liner from the vehicle to expose the vehicles air suspension compressor. (Figures 1, 2)



FIGURE 1

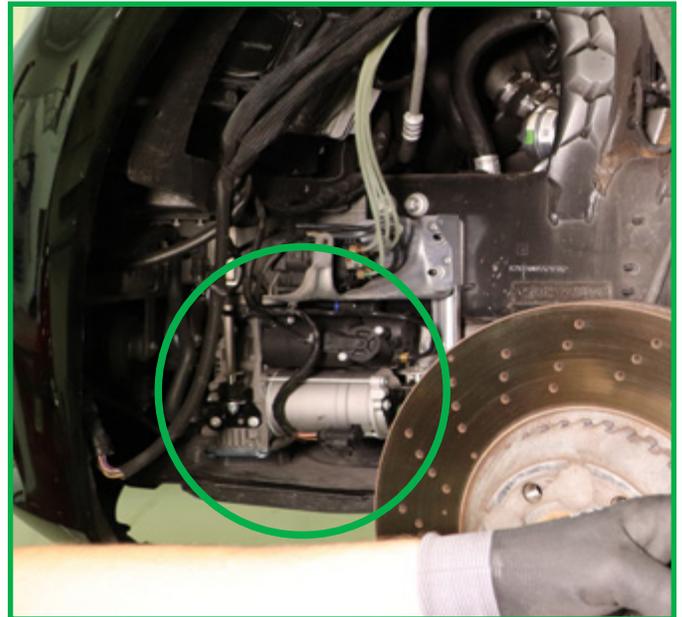


FIGURE 2

5. Locate and disconnect the two (2) electrical connections. (Figures 3, 4)



FIGURE 3



FIGURE 4

6. Disconnect the air line fitting on the compressor. (Figures 5, 6)

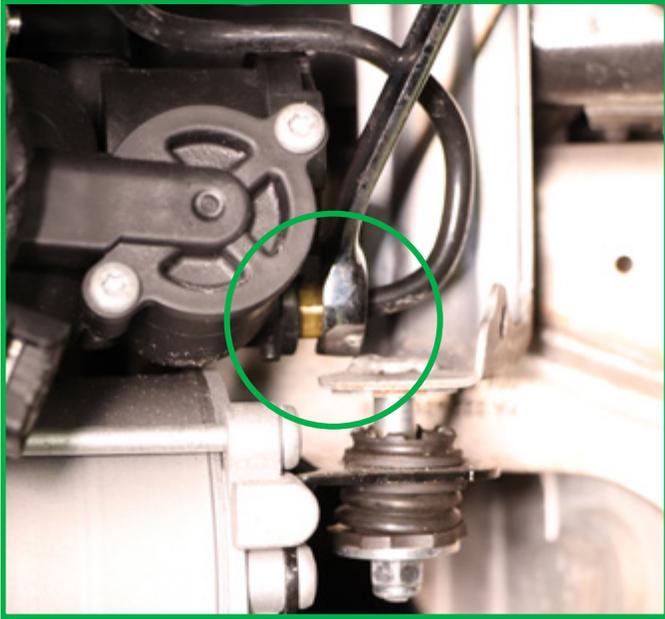


FIGURE 5

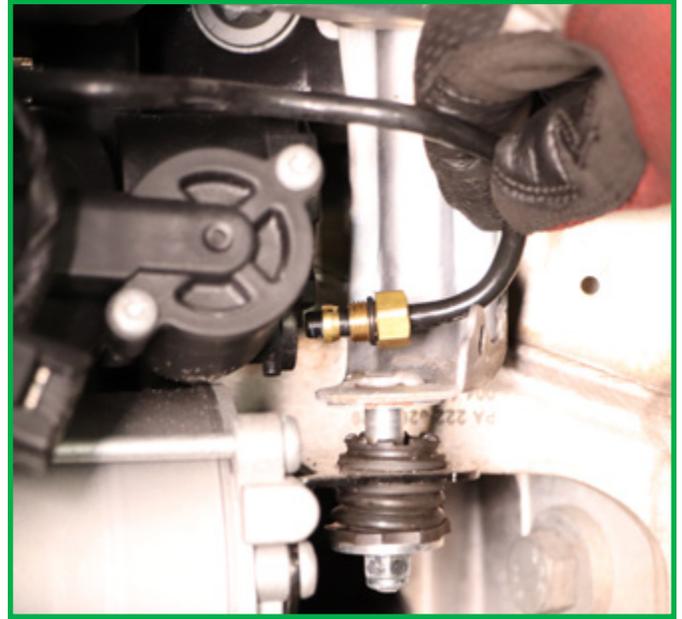


FIGURE 6

7. Locate the exhaust hose leading to the compressor. Pinch and slide the hose clamp off of the air fitting and remove the air hose. (Figure 7)



FIGURE 7

8. Locate and remove the three (3) mounting nuts to remove the compressor from the vehicle. (Figures 8, 9, 10, 11)

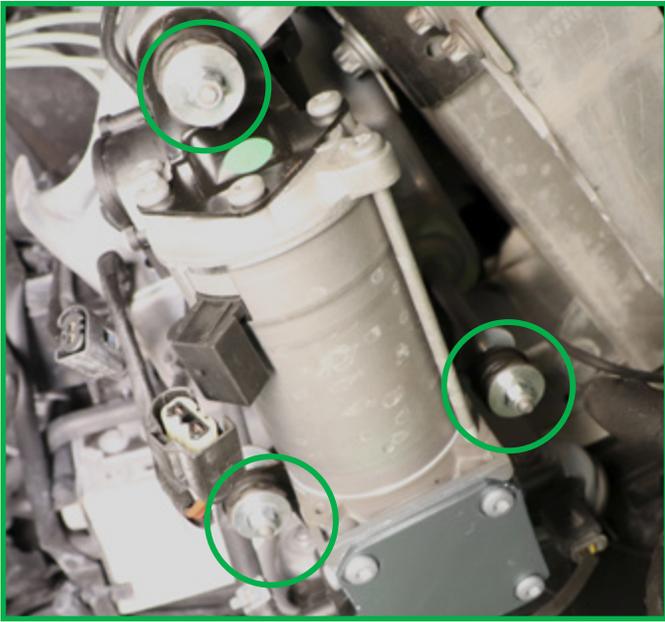


FIGURE 8

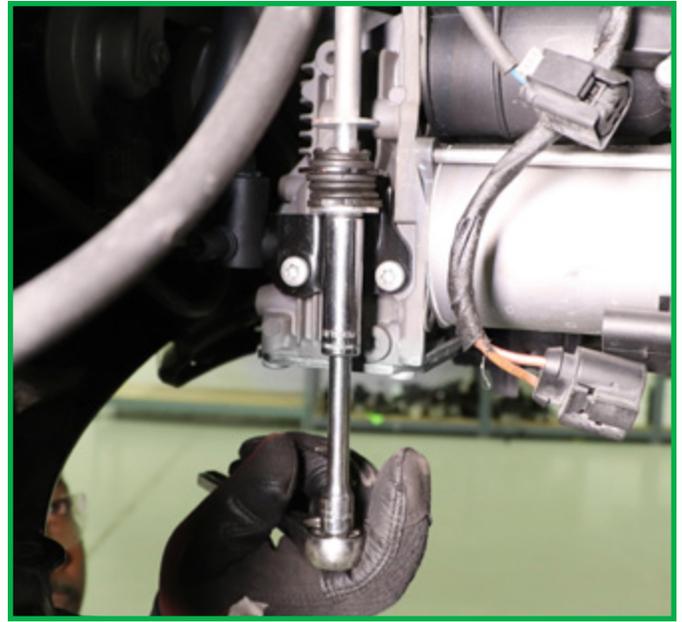


FIGURE 9

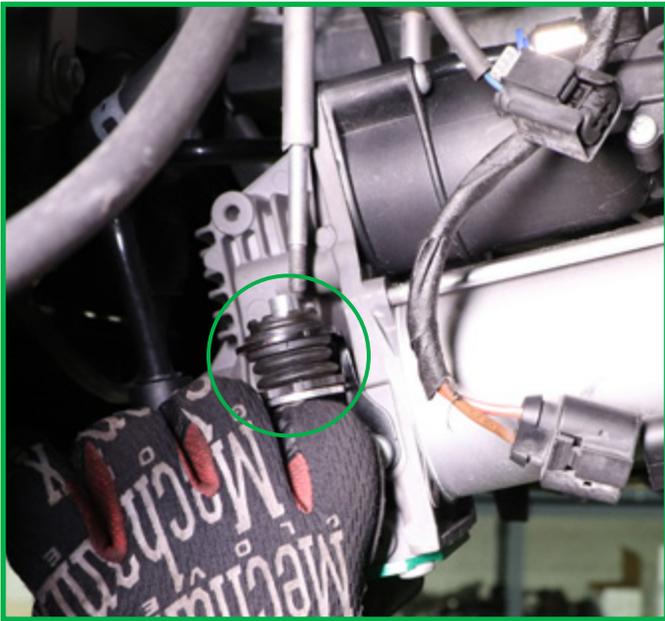


FIGURE 10

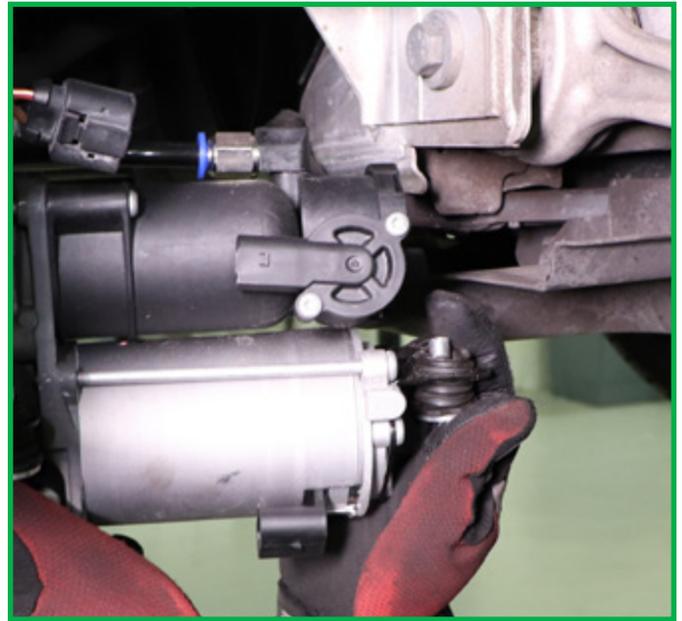


FIGURE 11

9. Remove the compressor from the vehicle. (Figure 12)



FIGURE 12

10. Removal complete.

AIR SUSPENSION COMPRESSOR INSTALLATION



WARNING:

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



WARNING:

Do not remove the air fitting from the air suspension compressor. Doing so may cause damage or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully secure.

1. Using the Arnott provided accessory kit, install the three (3) rubber grommets on to the new air compressor mounting brackets. (Figures 13, 14)



FIGURE 13



FIGURE 14

2. Also provided in the Arnott accessory kit are three (3) new bolt isolators you will use during installation. (Figure 15)



FIGURE 15

3. Using the Arnott provided isolators, washers, and mounting nuts; install the compressor back on to the vehicle in the correct orientation. Tighten the mounting nuts to manufacturer's specifications. (Figure 16)

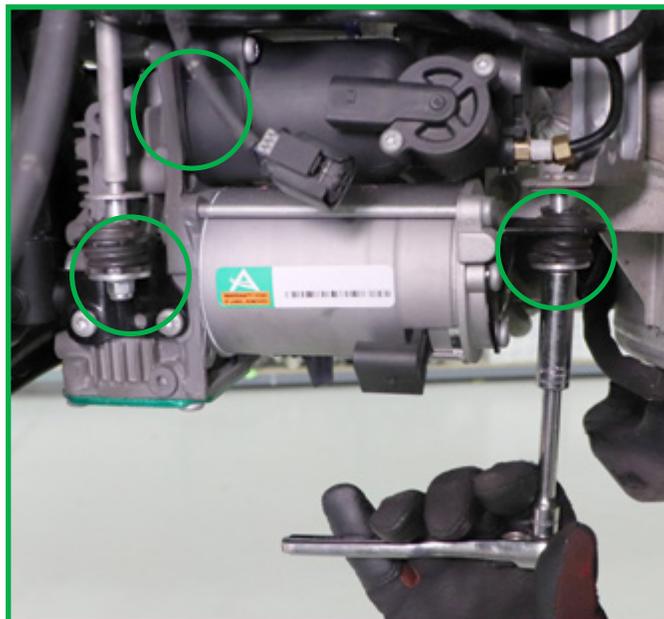


FIGURE 16

4. Reinstall the exhaust hose to the new compressor. (Figures 17, 18)

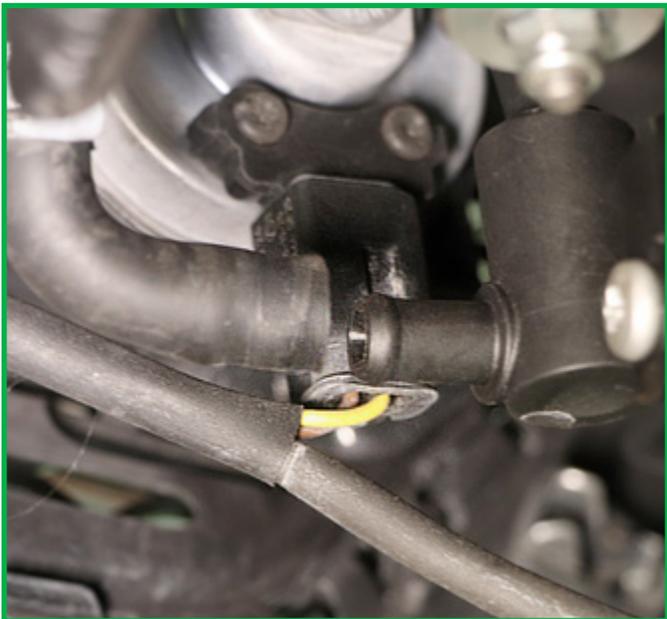


FIGURE 17

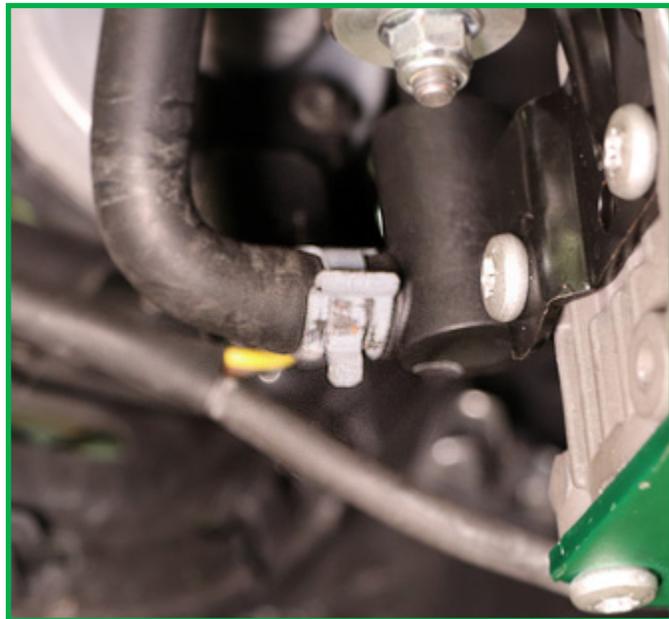


FIGURE 18

5. Connect the two (2) electrical connectors to the new compressor. (Figures 19, 20)



FIGURE 19

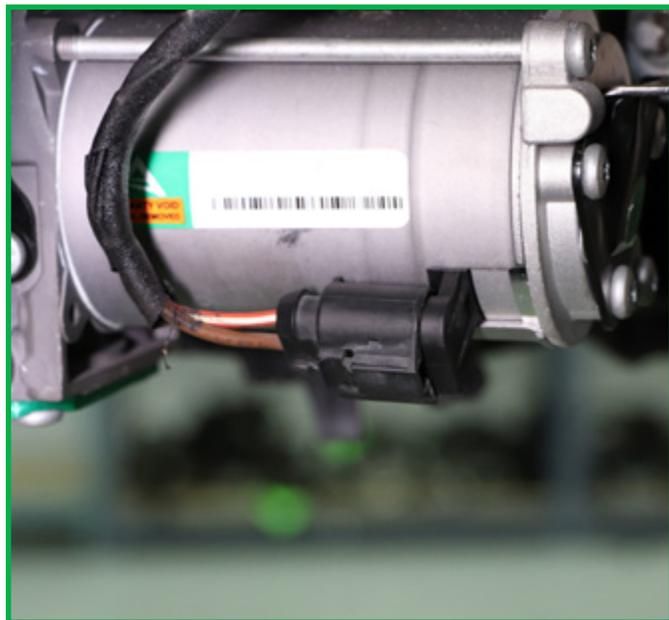


FIGURE 20

6. Prepare the existing air line by removing the old air fitting, using the figure below as an example. (Figure 21)

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.

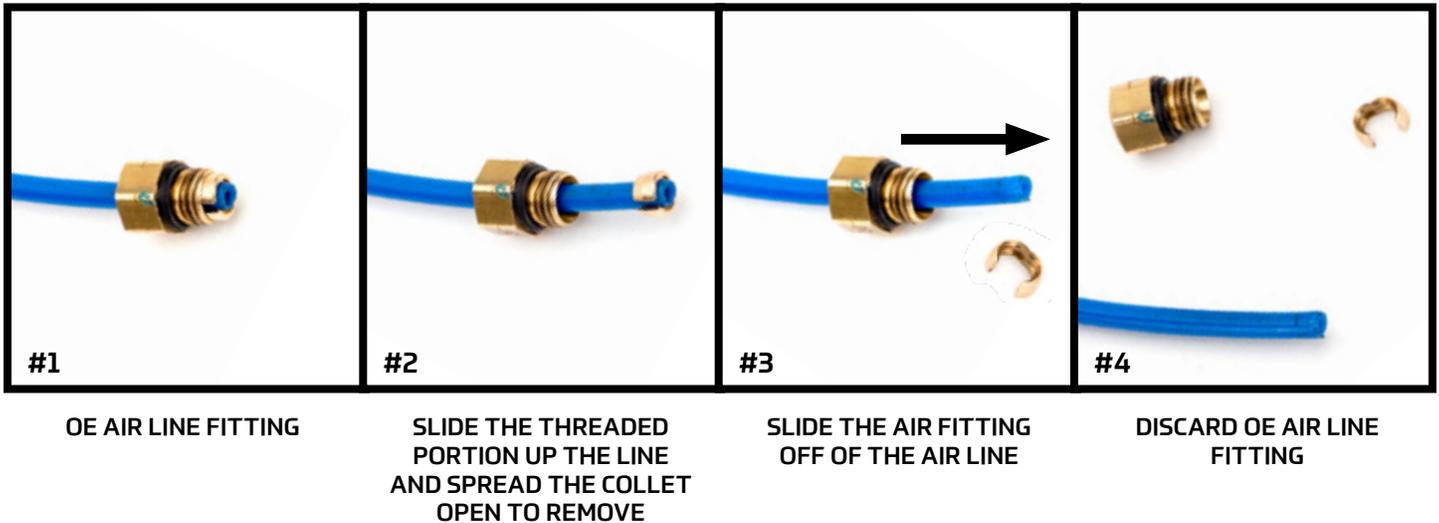


FIGURE 21

7. Remove the shipping pin from the compressor and insert the air line. Press the line in until it is firmly seated. (Figures 22, 23, 24)

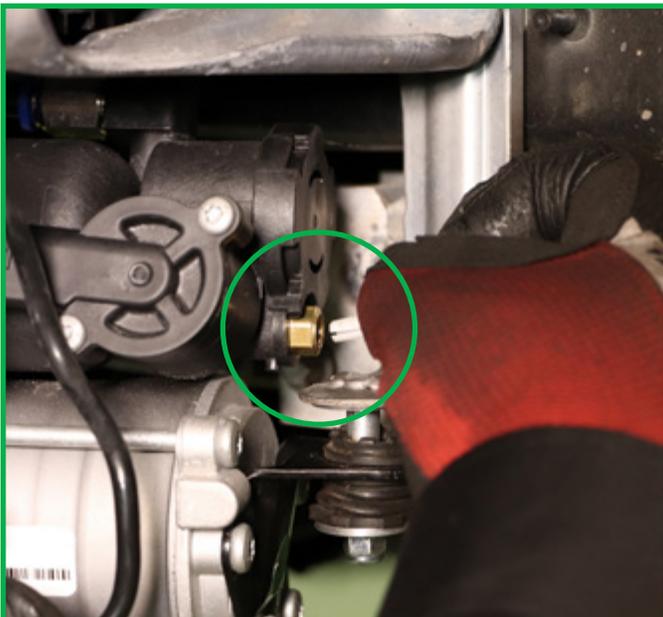


FIGURE 22

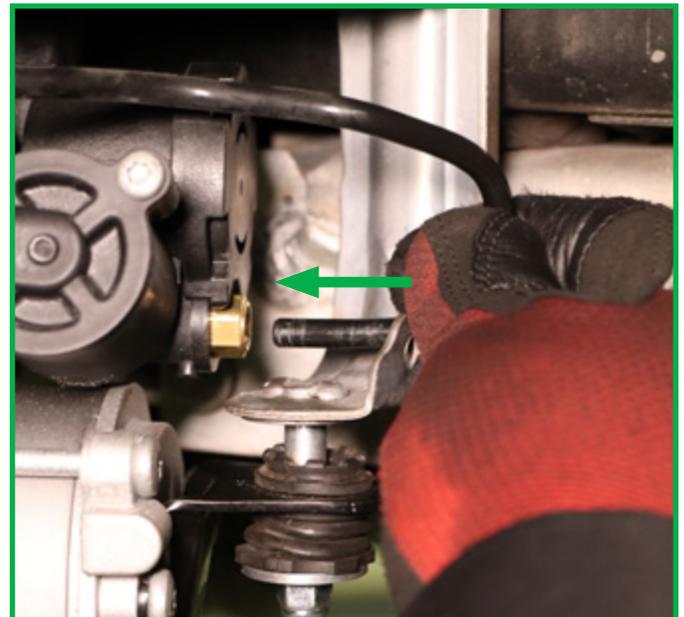


FIGURE 23

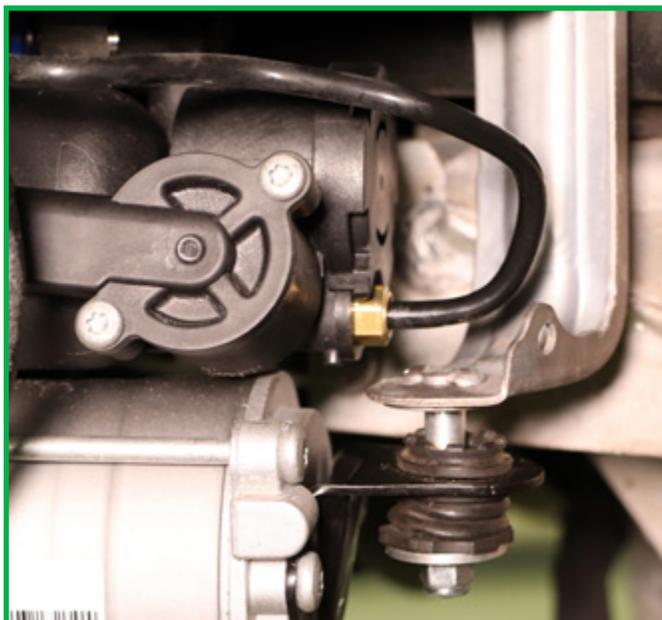


FIGURE 24

COMPRESSOR RELAY INSTALLATION

8. Under the hood on the left hand side, remove the trim panel covering the fusebox containing the compressor relay. Locate the compressor relay. (Figures 25, 26)



FIGURE 25



FIGURE 26

9. Replace the compressor relay with the Arnott provided compressor relay. (Figure 27)



FIGURE 27

10. Close the fusebox and replace the trim panel under the hood.
11. Re-install the fasteners and front inner wheel well liner on the vehicle. (Figure 1)
12. Re-install front left wheel.
13. Engage vehicle air suspension per manufacturer's specifications.
14. Lower vehicle.
15. 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.
(In the EU please call **+31 (0)73 7850 580** or email info@Arnotteurope.com)

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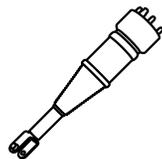
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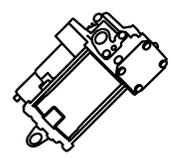
Air Springs



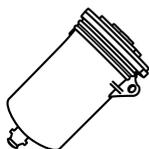
Struts



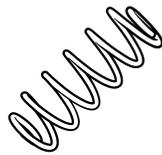
Shocks



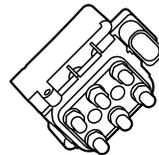
Compressors



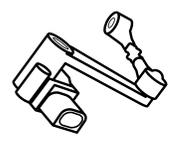
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors