



INSTALLATION MANUAL

P-3730

**Air Suspension Compressor
Land Rover Discovery LR3/LR4 (L319),
Range Rover Sport (L320)**



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. Open the hood and locate the fuse box/battery cover. (Figure 1)



FIGURE 1

2. Remove the fuse box covers and air suspension compressor relay. (Figures 2, 3, 4)



FIGURE 2



FIGURE 3



FIGURE 4

3. Set steering to straight.
4. Raise vehicle.
5. Locate and remove the three (3) bolts holding the compressor cover to the vehicle. (Figures 5, 6, 7)



FIGURE 5



FIGURE 6



FIGURE 7

6. Separate the five (5) clips and remove the cover to expose the air suspension compressor. (Figures 8, 9)



FIGURE 8

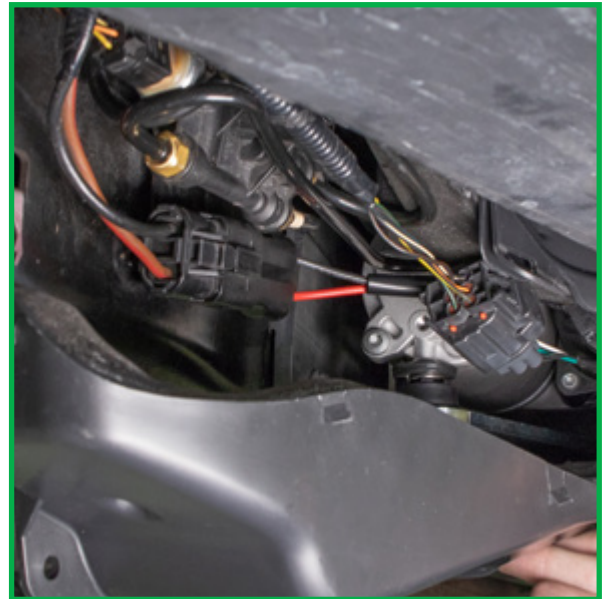


FIGURE 9

7. Disconnect the two (2) electrical plugs from the vehicle to the compressor. (Figures 10, 11)



FIGURE 10

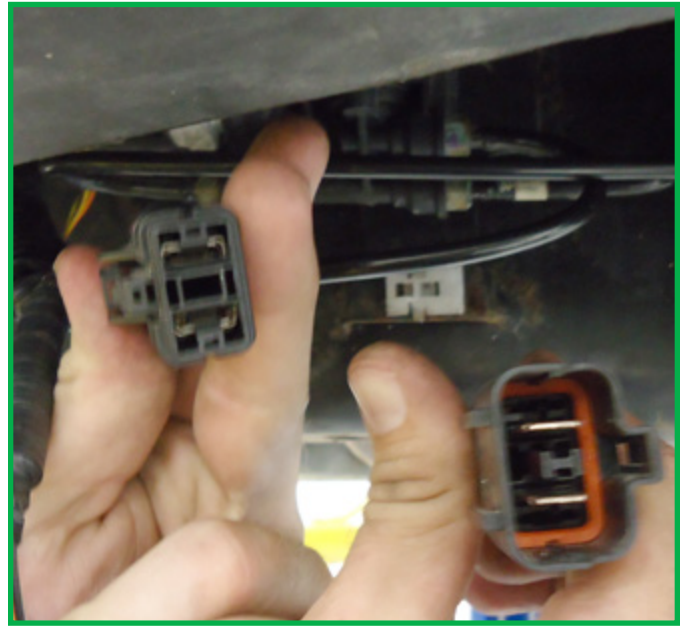


FIGURE 11

8. Remove the air hose at the front of the compressor by unscrewing the fitting/hose. (Figure 12)
Remove VOSS fitting. (Figure 13)

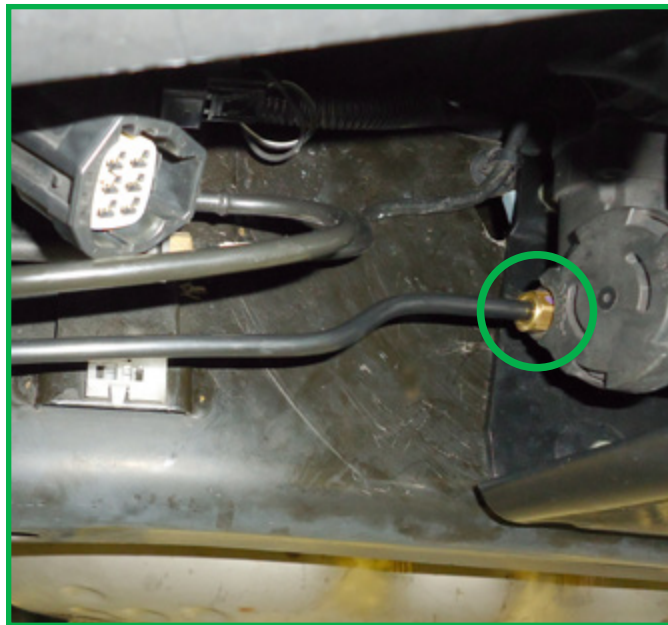


FIGURE 12

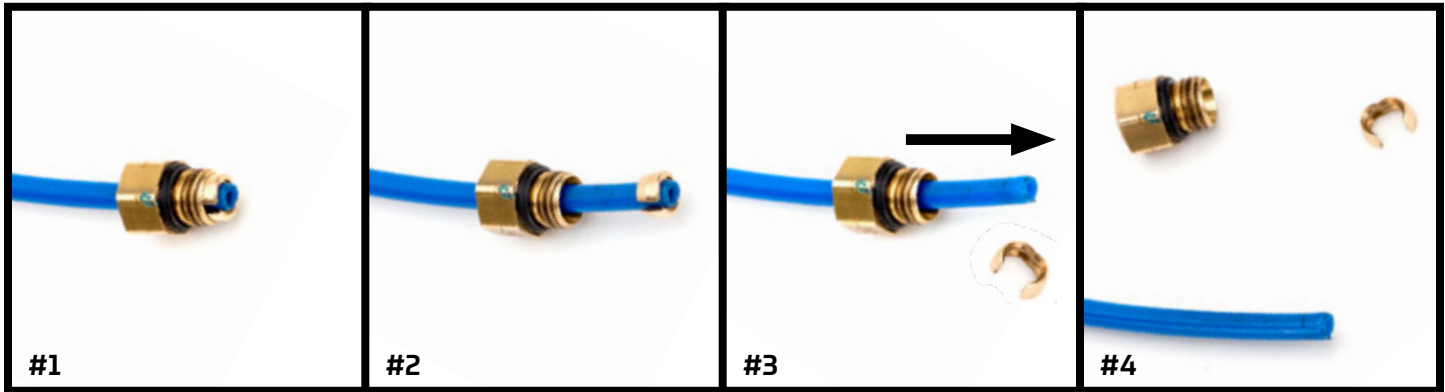
REMOVAL



Prior to inserting the existing air line into the new air fitting 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

FIGURE 13

9. Remove the vent hose from the side of the compressor by pushing in the quick connect fittings and pulling out the air hose. Next, unscrew the intake fitting/hose from the back of the compressor. (Figures 14, 15) Remove VOSS fitting (Figure 13).

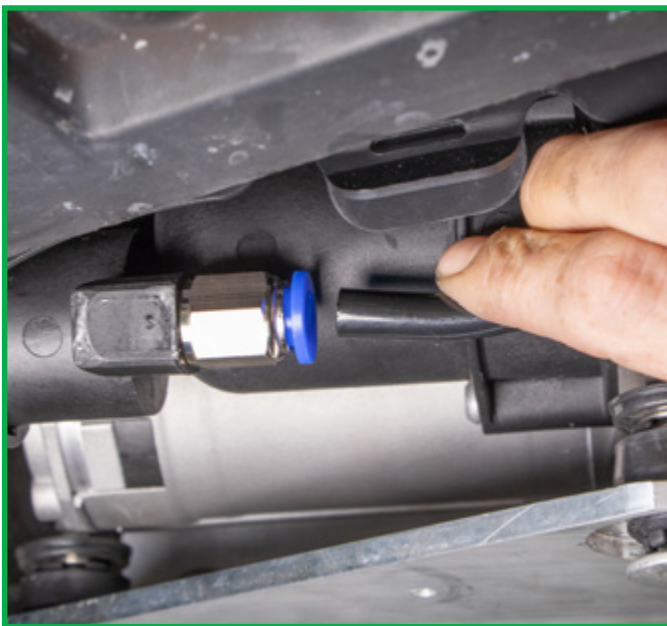


FIGURE 14



FIGURE 15

10. Locate and remove the three (3) bolts holding the compressor/bracket assembly to the vehicle. (Figures 16, 17, 18)

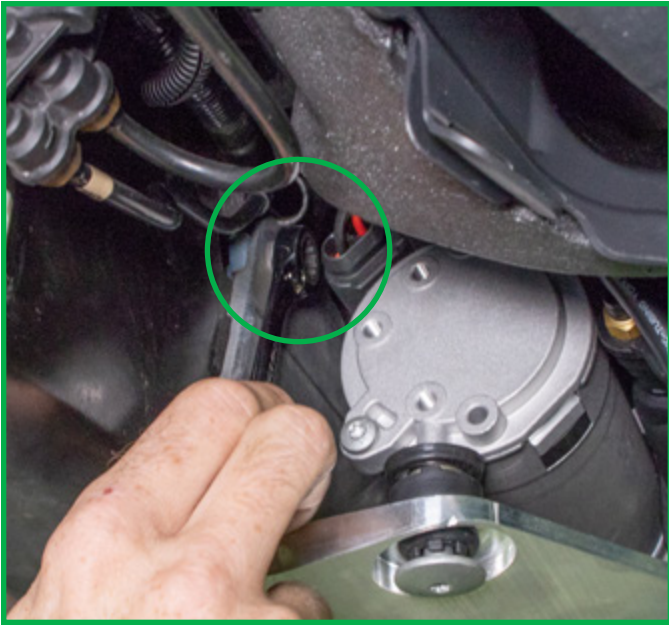


FIGURE 16

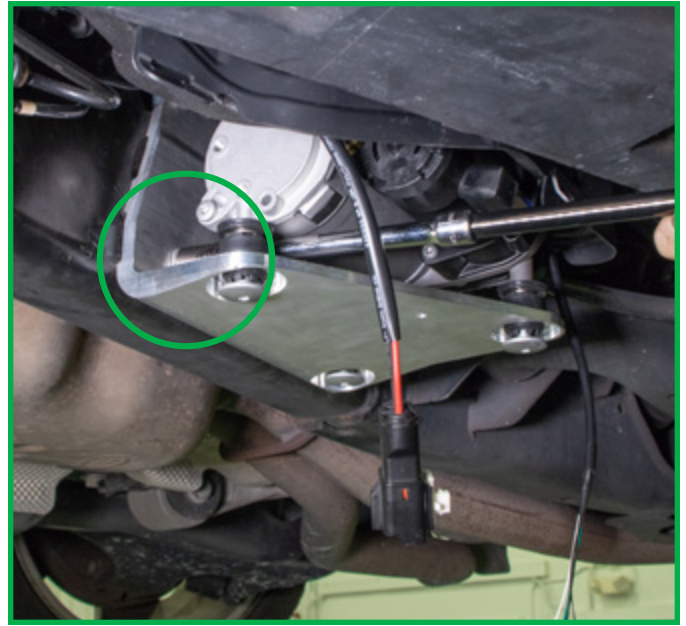


FIGURE 17

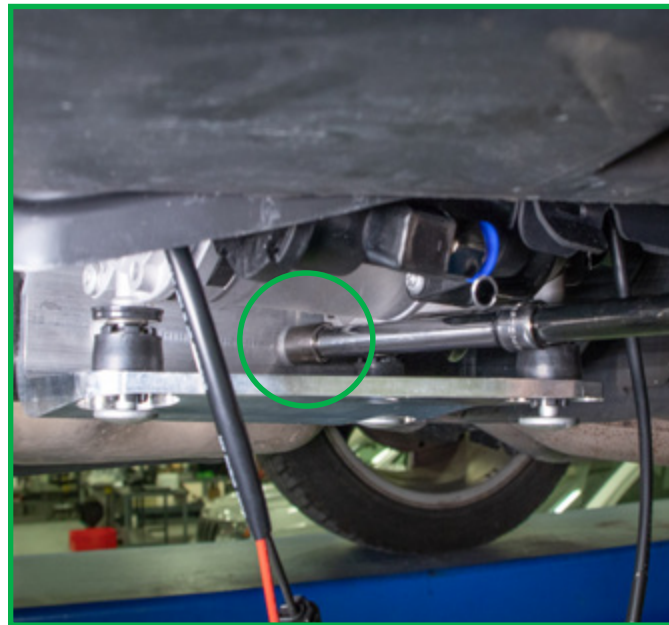


FIGURE 18

11. Remove the compressor/bracket assembly from the vehicle. (Figure 19)



FIGURE 19

AIR SUSPENSION COMPRESSOR INSTALLATION



WARNING:

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

1. Reinstall the top half of the protective cover into place, if previously removed. (Figure 20)



FIGURE 20

2. Install the new Arnott compressor/bracket assembly onto the vehicle reusing the original hardware. (Figures 21, 22, 23)

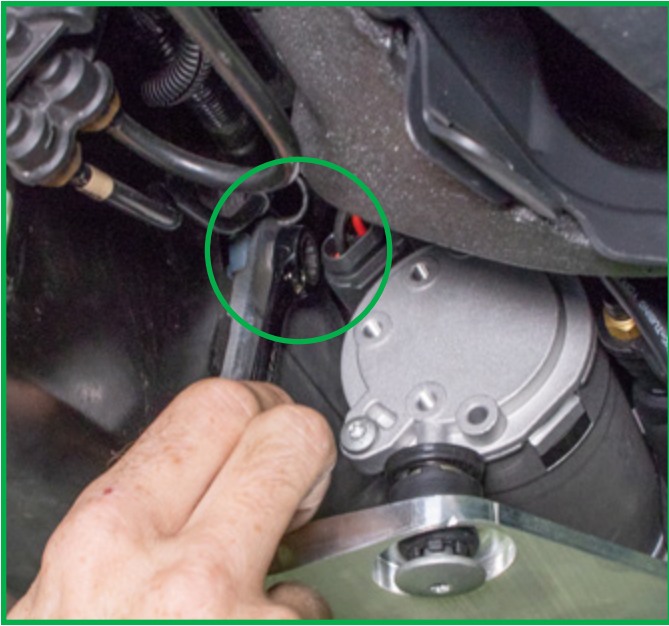


FIGURE 21

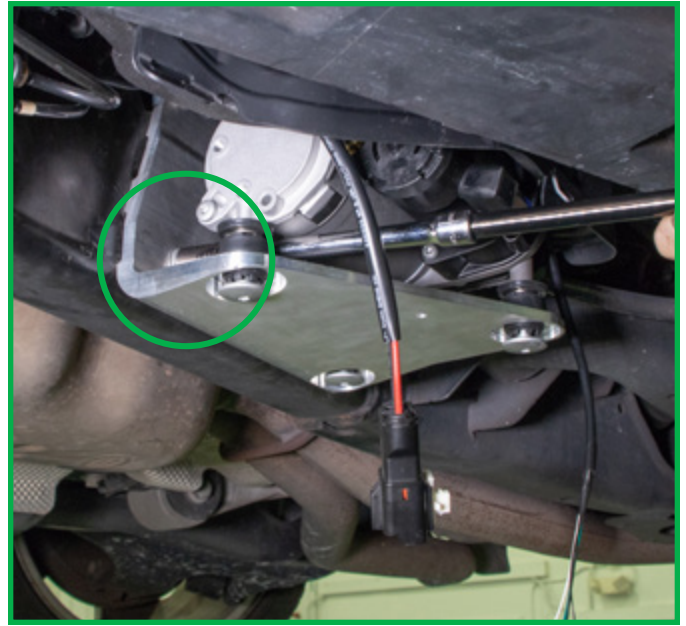


FIGURE 22

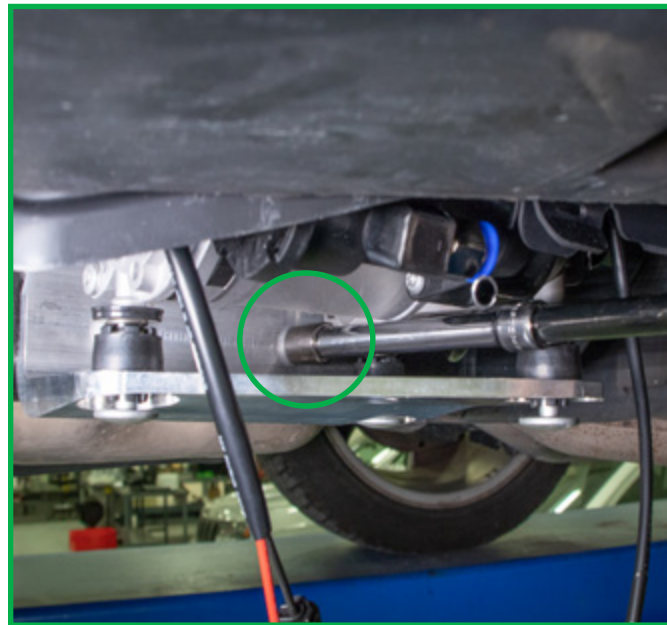


FIGURE 23

3. Install the exhaust air hose into the quick connect on the side of the compressor. (Figure 24)

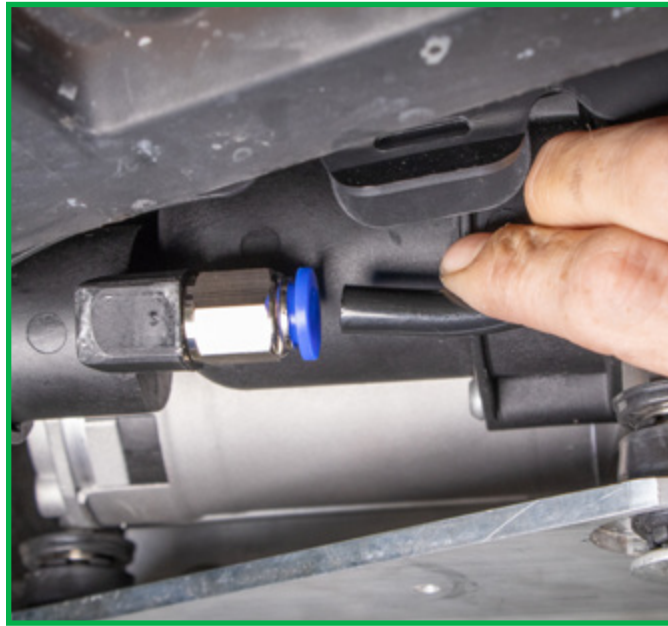


FIGURE 24

4. Remove the white shipping pin and install the intake hose into the quick connect on the back of the compressor. (Figures 25, 26)



FIGURE 25



FIGURE 26

5. Remove the shipping pin and reinstall the “J” shaped hose. (Figures 27, 28, 29, 30)



FIGURE 27



FIGURE 28

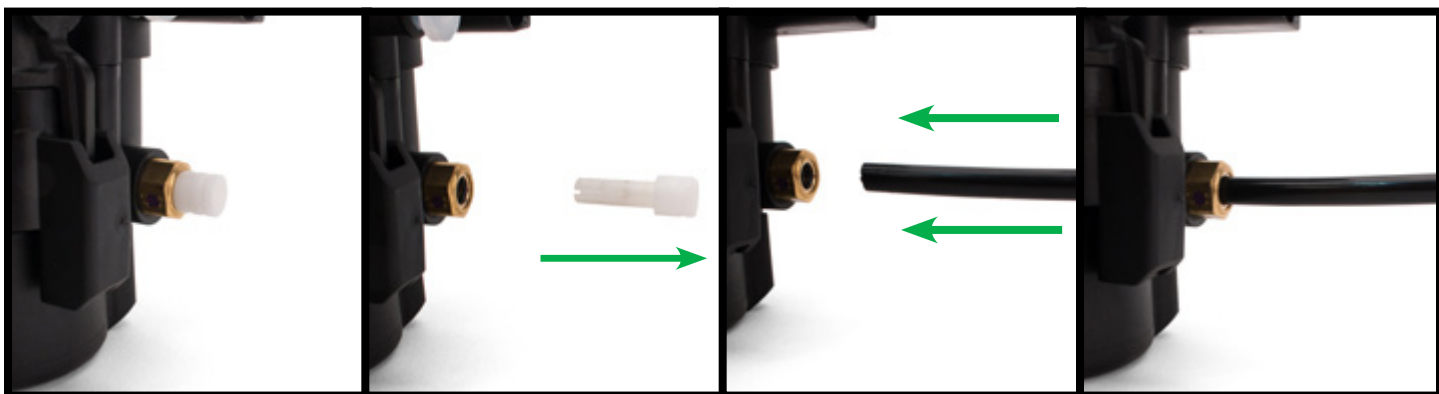


FIGURE 29

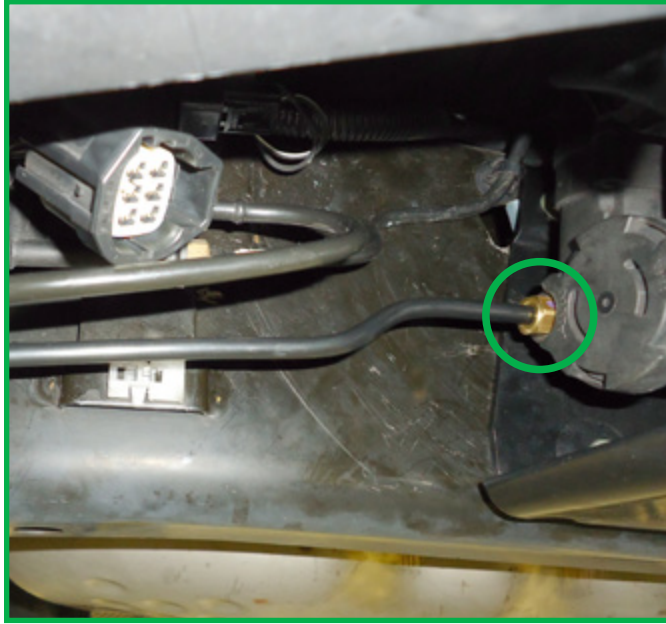


FIGURE 30

6. Connect the two (2) electrical plugs from the compressor to the vehicle and secure back in place. (Figures 31, 32)



FIGURE 31



FIGURE 32

7. Clip the bottom half of the plastic cover to the top half and secure with the three provided screws. (Figures 33, 34)

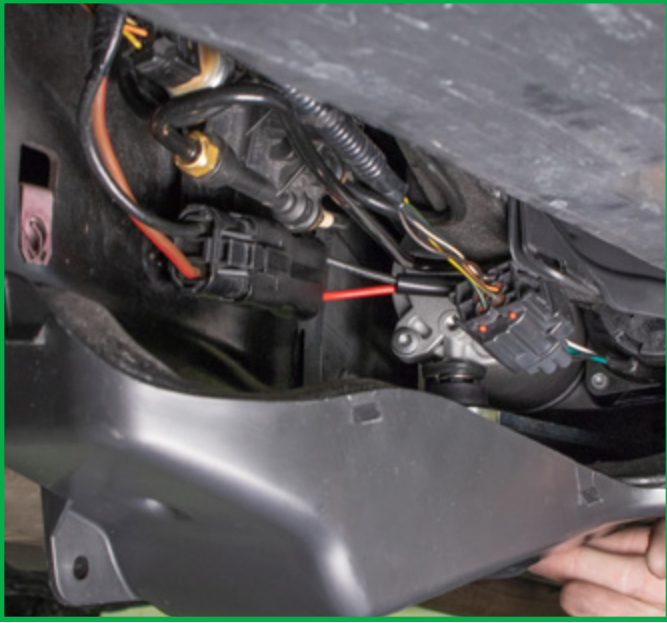


FIGURE 33



FIGURE 34

8. Lower the vehicle.
9. Replace the relay with the one provided in the kit. (Figure 35)



FIGURE 35



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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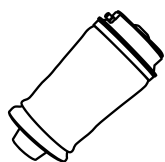
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BE Phone: +32 258 846 90

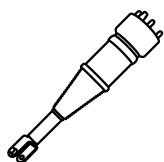
ES Phone: +34 91 901 10 56

FR Phone: +32 78 48 46 93

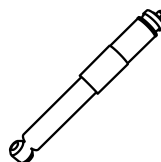
Email: info@arnotteurope.com



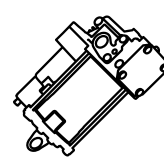
Air Springs



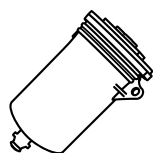
Struts



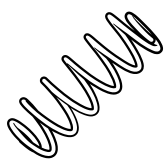
Shocks



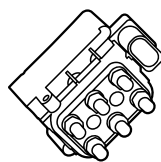
Compressors



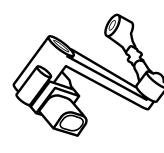
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors