



INSTALLATION MANUAL

P-3952

Arnott Air Suspension Compressor
BMW 7 Series (G11/G12 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.

AIR SUSPENSION COMPRESSOR ASSEMBLY REMOVAL

1. Raise the vehicle.
2. Remove the left rear wheel. (Figure 1)



FIGURE 1

3. Remove the wheel well liner to expose compressor. (Figures 2, 3)



FIGURE 2

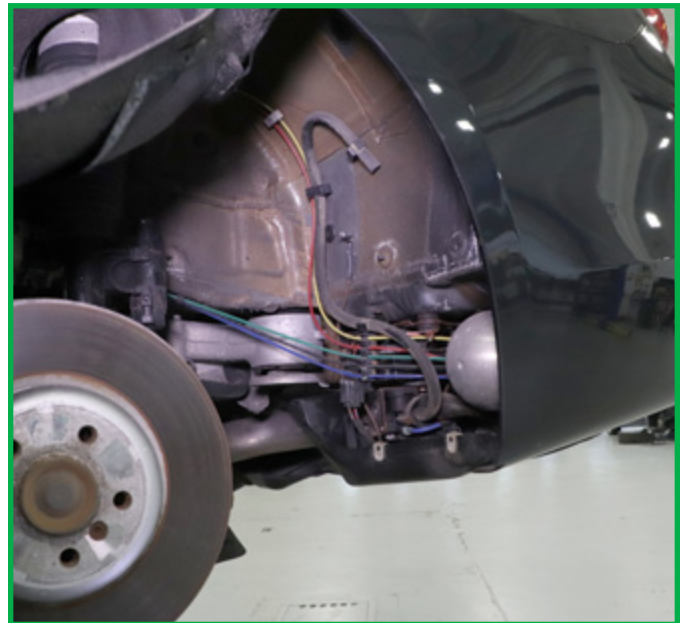


FIGURE 3

4. Remove undercarriage shield paneling to further expose compressor. (Figures 4, 5, 6)



FIGURE 4



FIGURE 5



FIGURE 6

5. Disconnect the three (3) electrical connectors from the valve block and compressor assembly. (Figures 7, 8, 9)

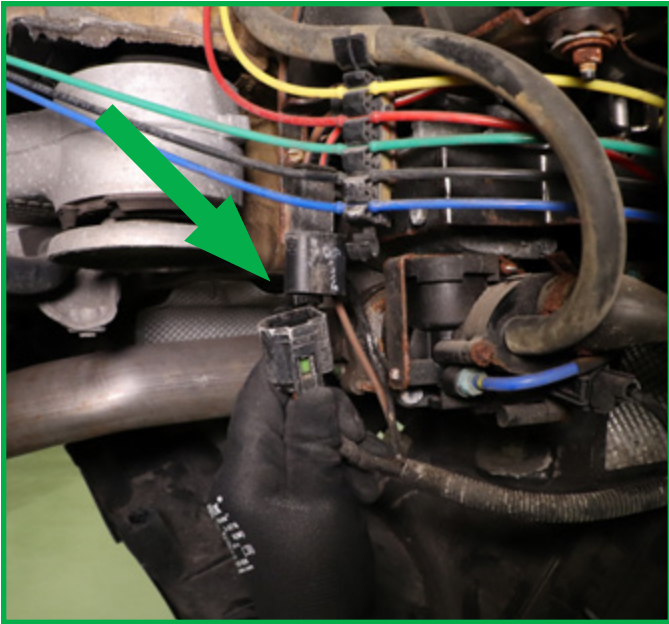


FIGURE 7

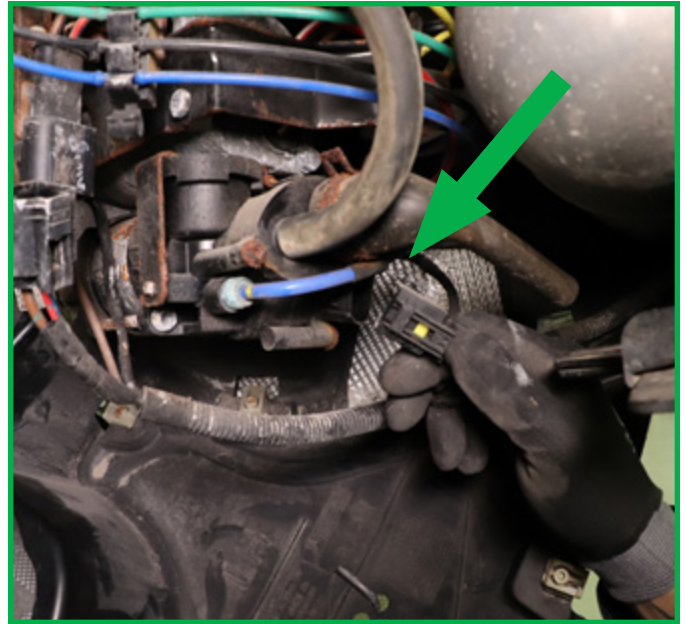


FIGURE 8



FIGURE 9

6. Disconnect the air line from the compressor. (Figures 10, 11)

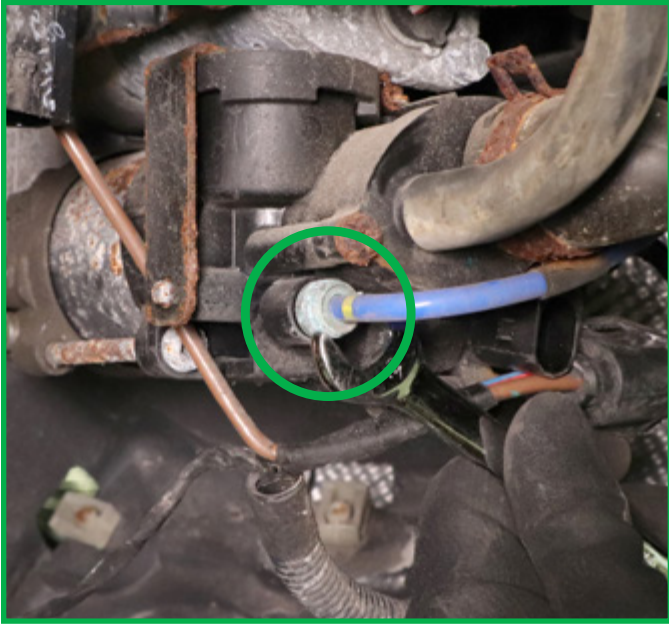


FIGURE 10

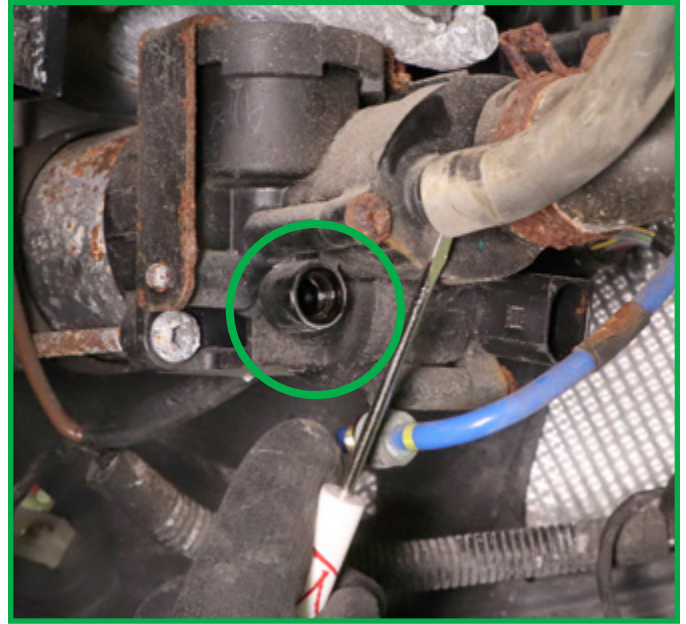


FIGURE 11

7. Disconnect the intake line. (Figures 12, 13)

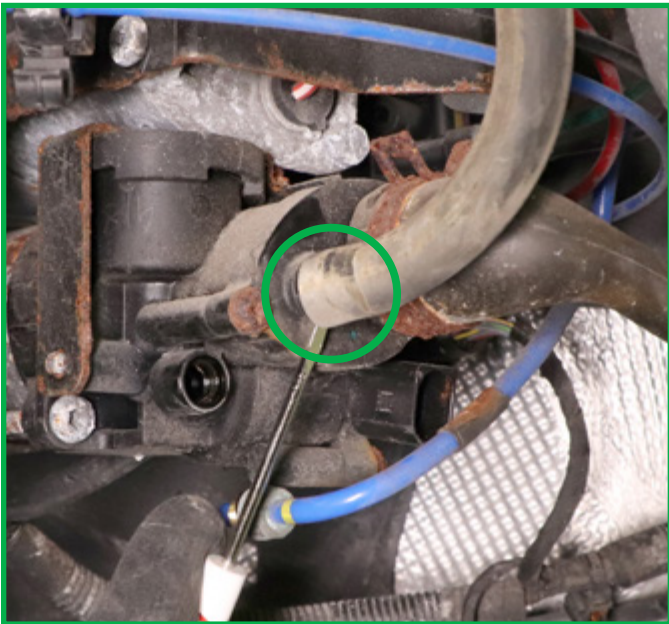


FIGURE 12

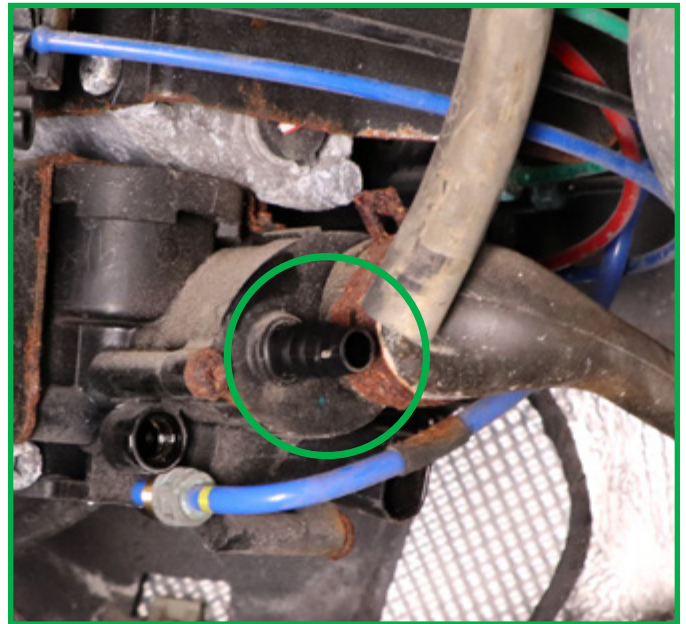


FIGURE 13

8. Remove the mounting bolts that secure the compressor bracket assembly to the vehicle. (Figure 14)

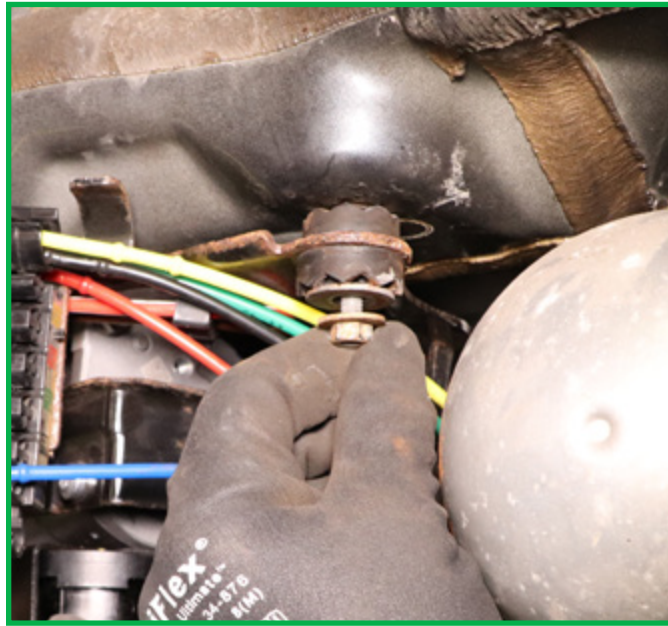


FIGURE 14

9. Unclip the air lines from the compressor bracket assembly. (Figures 15, 16)

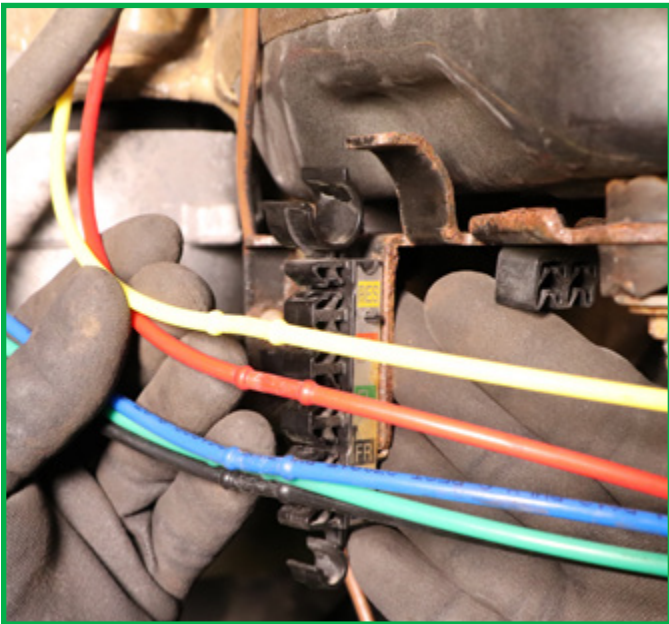


FIGURE 15

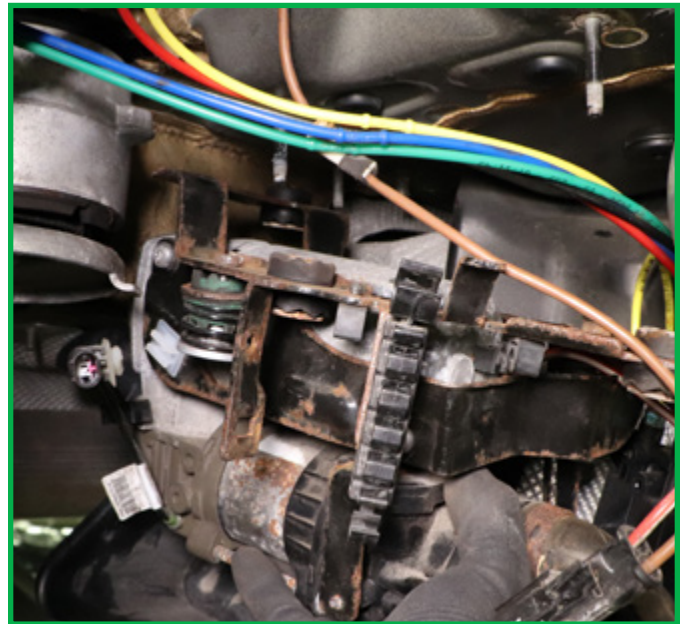


FIGURE 16

10. Remove the entire compressor assembly from the vehicle. (Figure 17)

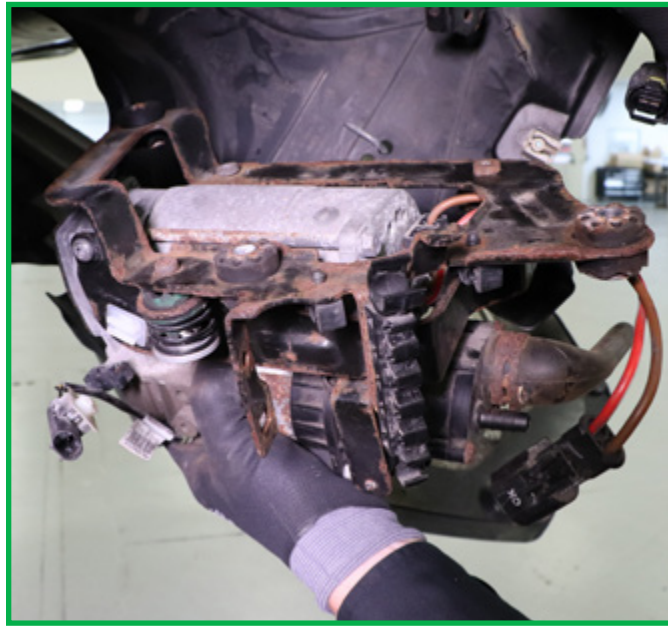


FIGURE 17

11. Remove the four (4) screws to separate the old compressor from the compressor bracket assembly. (Figures 18, 19, 20)

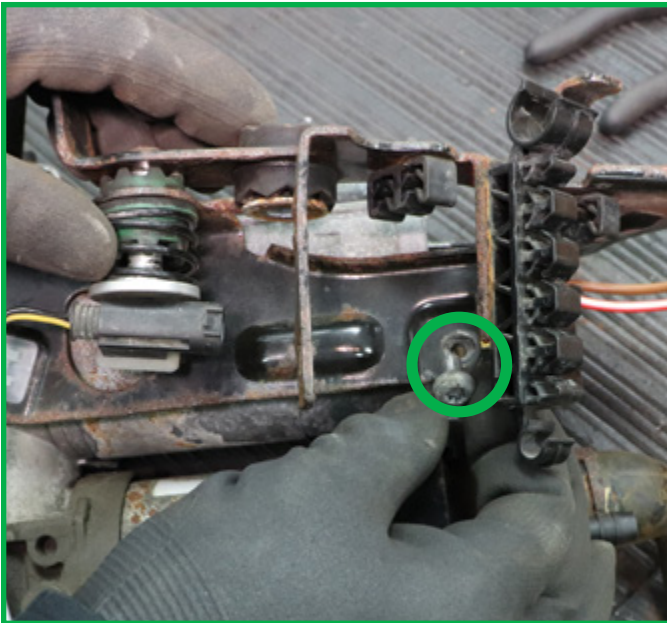


FIGURE 18

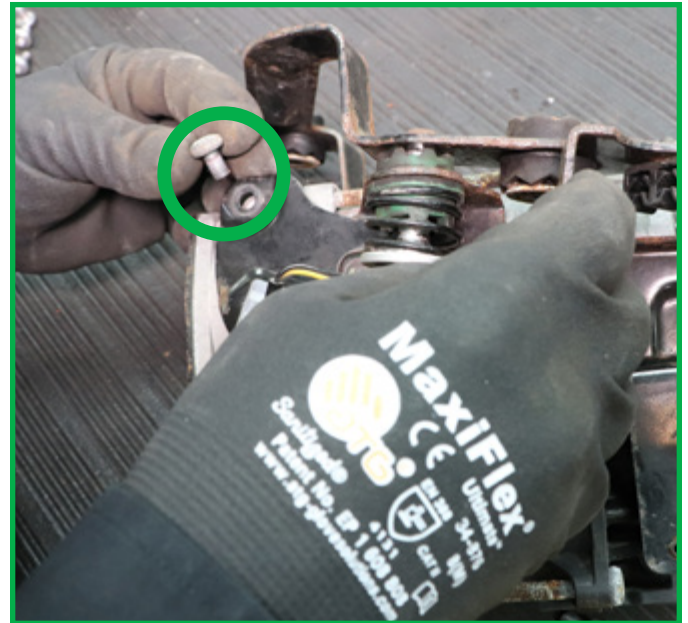


FIGURE 19

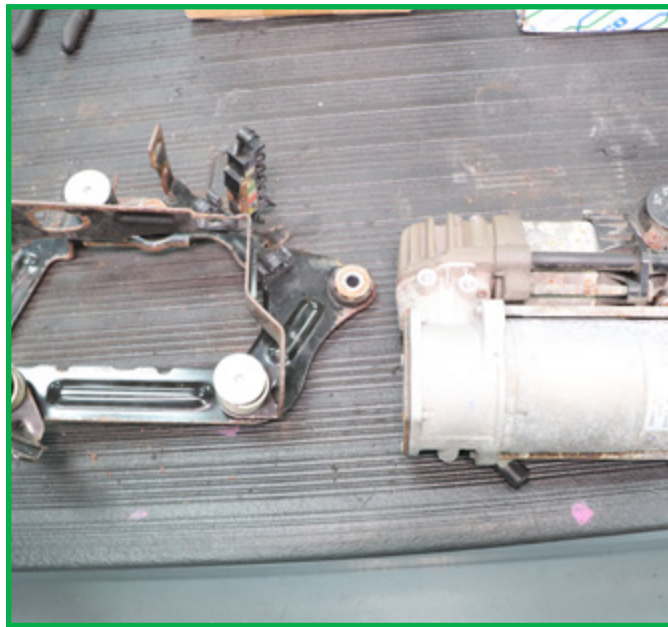


FIGURE 20

12. Remove the air line that leads to the compressor from the valve block. (Figures 21, 22)

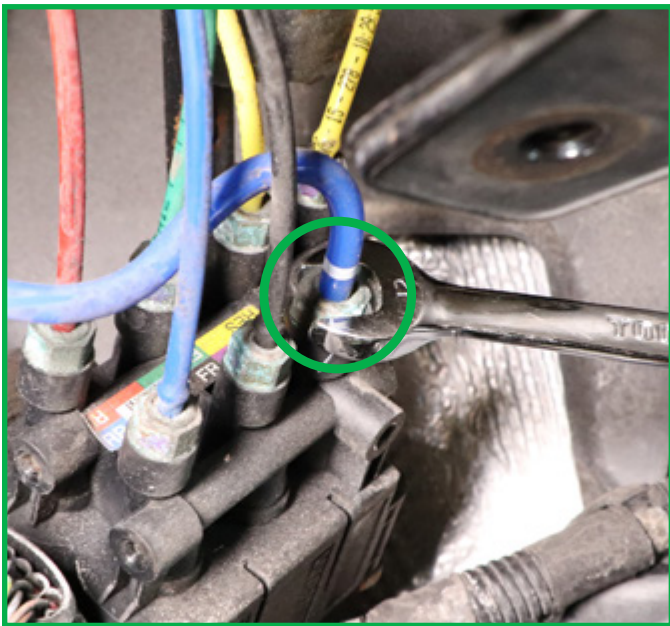


FIGURE 21

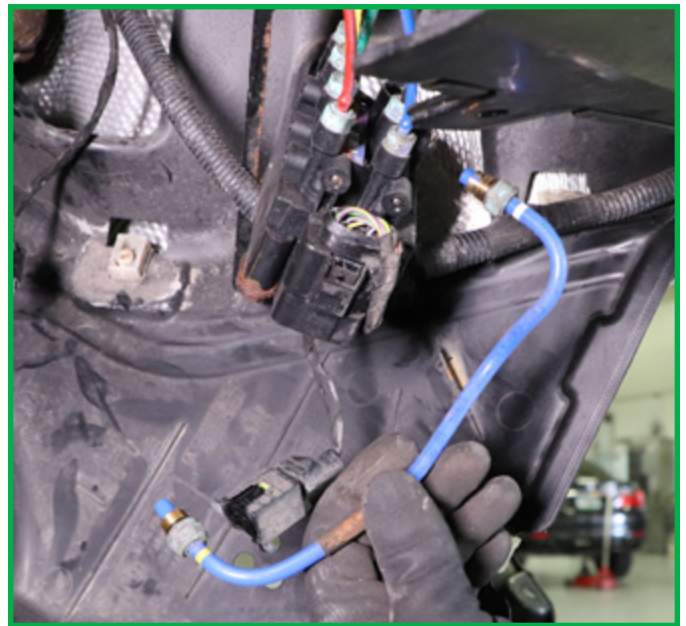


FIGURE 22

13. Loosen clamp and remove exhaust hose from the old compressor. (Figures 23, 24)



FIGURE 23

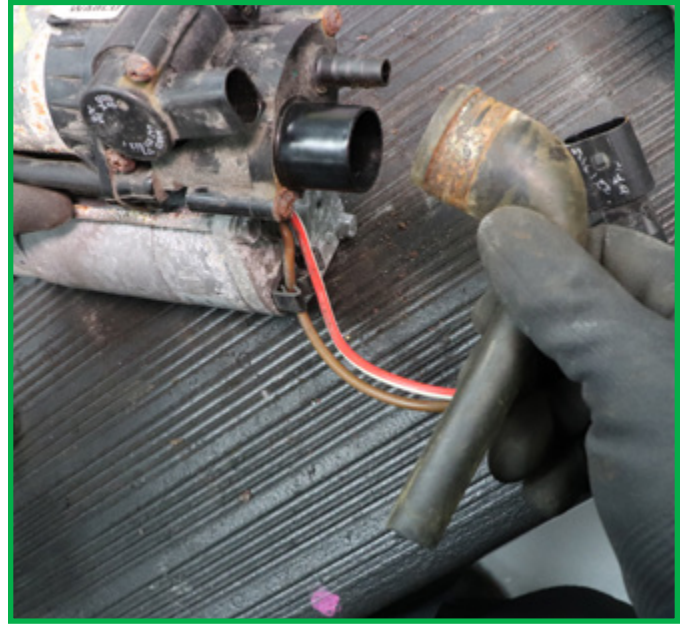


FIGURE 24

14. 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 and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.

1. Install the exhaust hose on to the new compressor. (Figure 25)

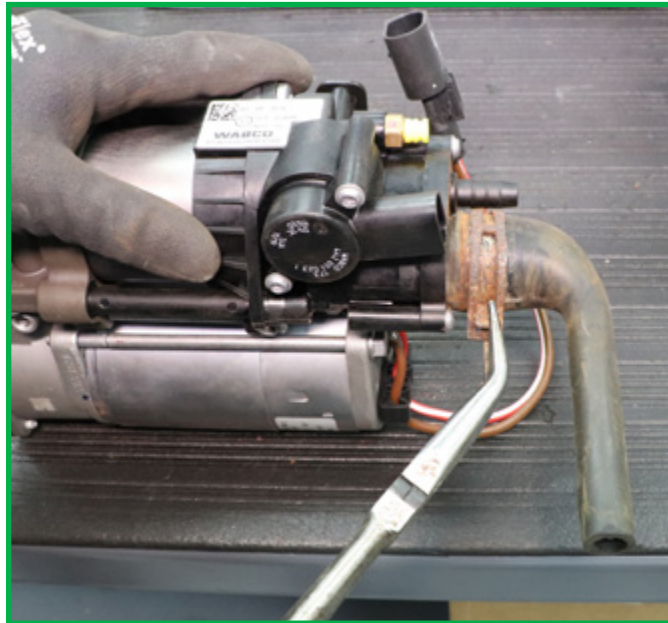


FIGURE 25

2. Install the provided VOSS air fitting on to the valve block. (Figure 26)



FIGURE 26

3. Use the provided four (4) screws to attach the new compressor to the compressor bracket assembly. (Figures 27, 28, 29)

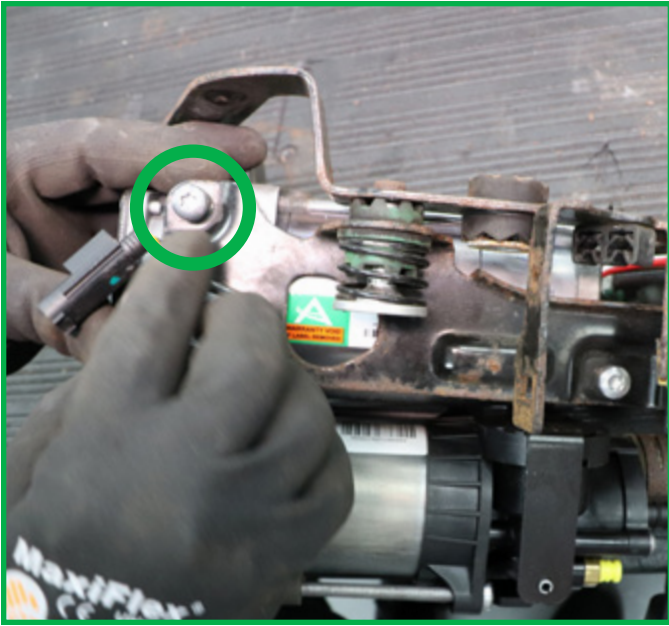


FIGURE 27

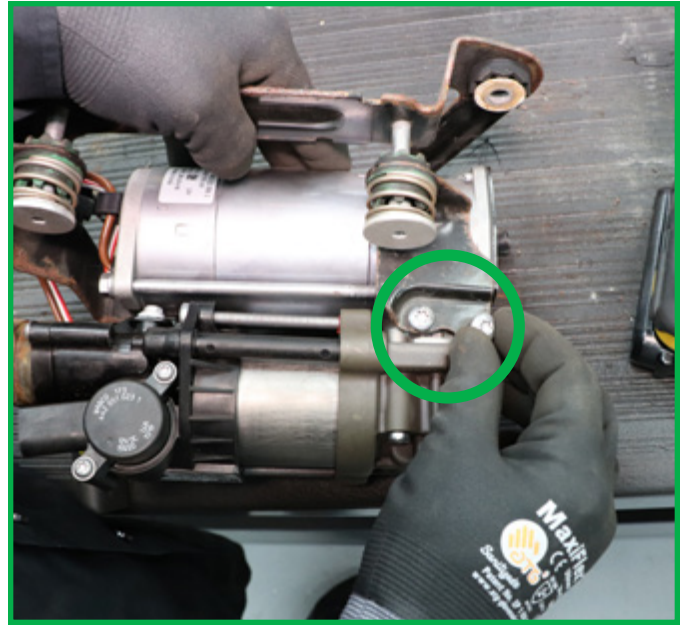


FIGURE 28

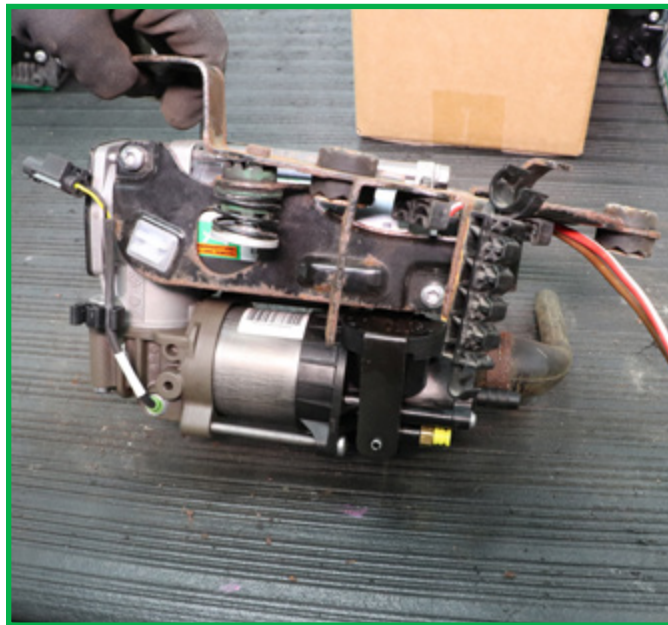


FIGURE 29

4. Install the entire compressor and bracket assembly on to the vehicle. (Figure 30)

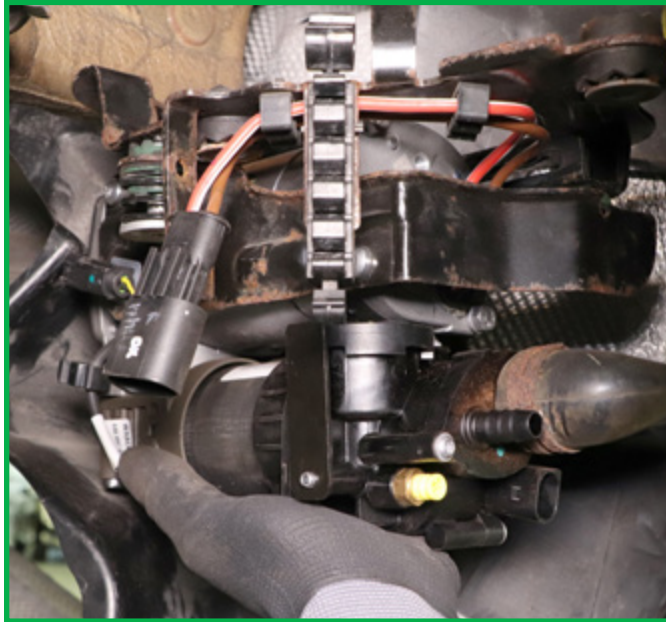


FIGURE 30

5. Reuse the factory mounting hardware to secure the compressor bracket assembly. (Figure 31)

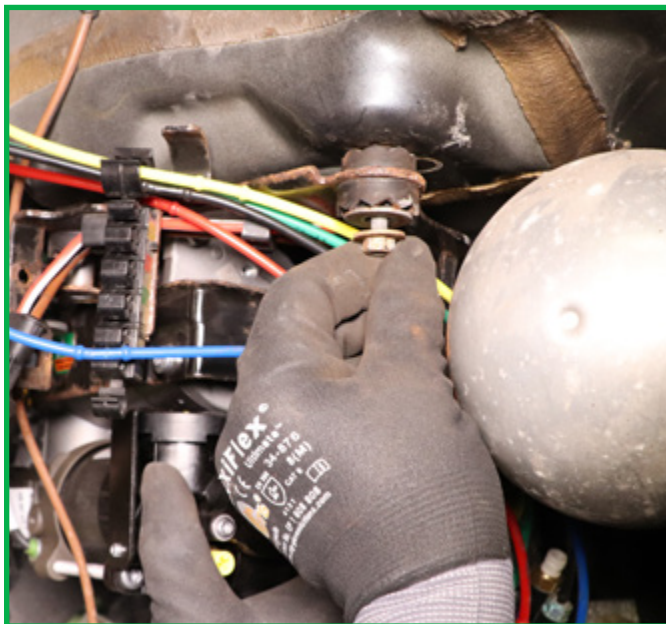


FIGURE 31

6. Remove the shipping pin from the VOSS air fitting on the compressor and the valve block. (Figures 32, 33)

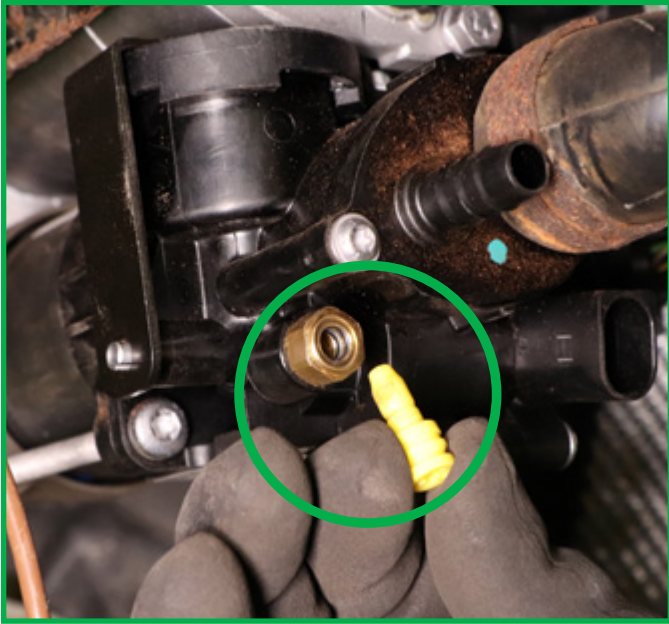


FIGURE 32

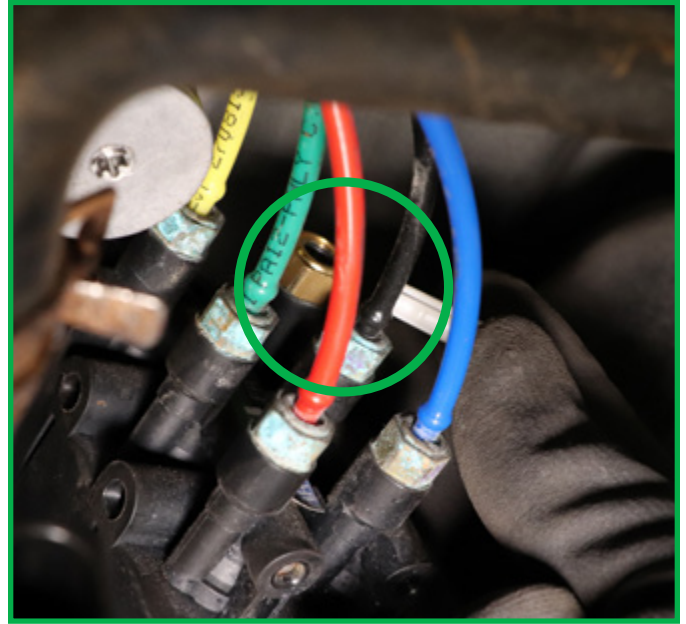


FIGURE 33

7. Connect the provided new air line from the valve block to the compressor. Press the line in firmly on both ends until it is firmly seated within the fitting. (Figures 34, 35)

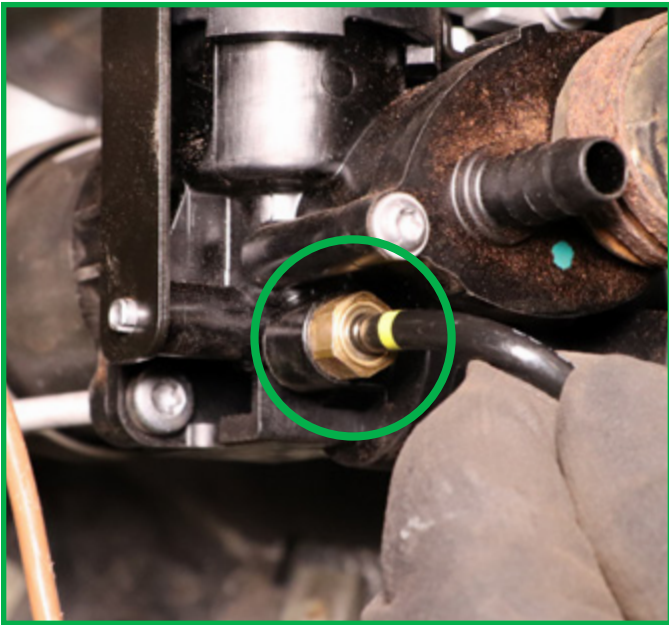


FIGURE 34

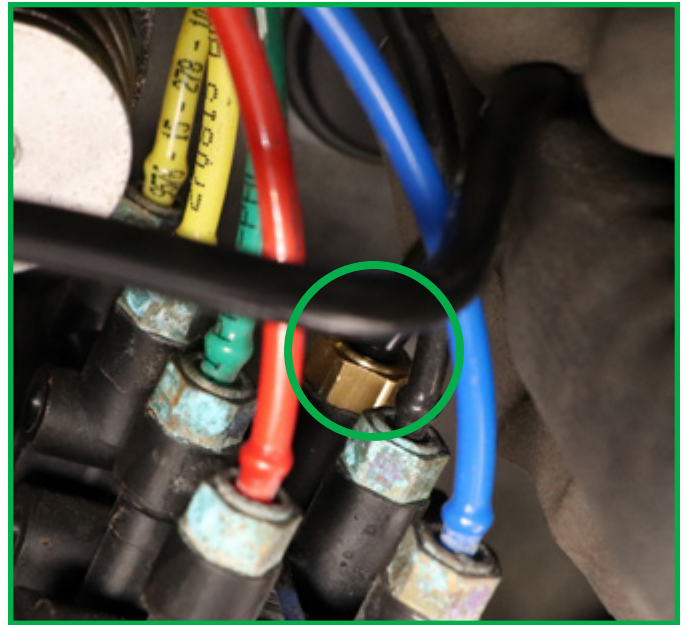


FIGURE 35

8. Connect the three (3) electrical connectors from the valve block and compressor assembly. (Figures 36, 37, 38)

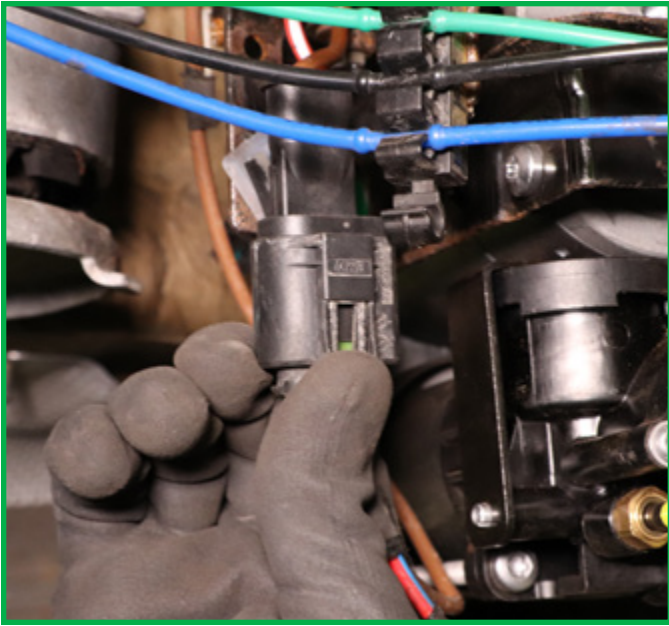


FIGURE 36

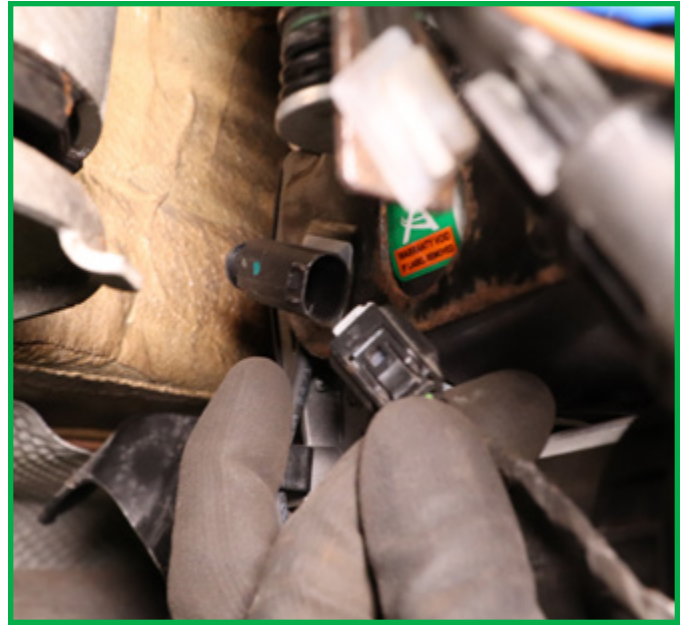


FIGURE 37



FIGURE 38

9. Reconnect the air intake line. (Figure 39)



FIGURE 39

10. Ensure all lines are clipped back on to the compressor assembly bracket. (Figure 40)

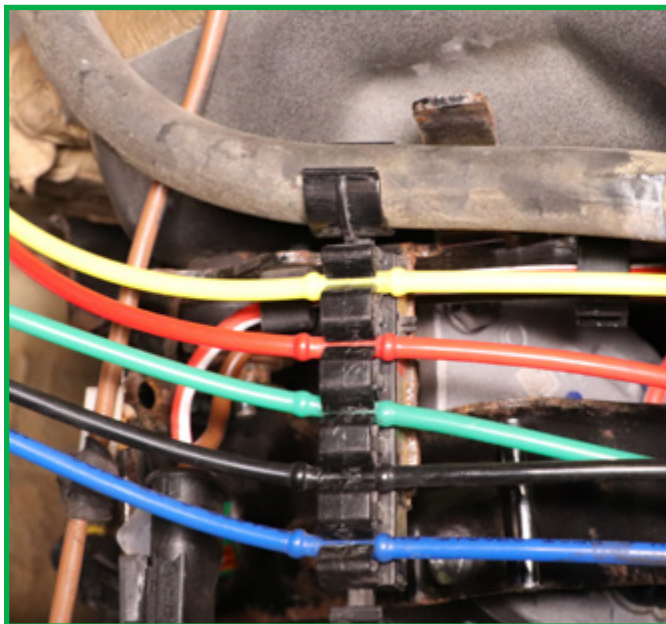


FIGURE 40

11. Reinstall undercarriage shield paneling. (Figures 41, 42, 43)

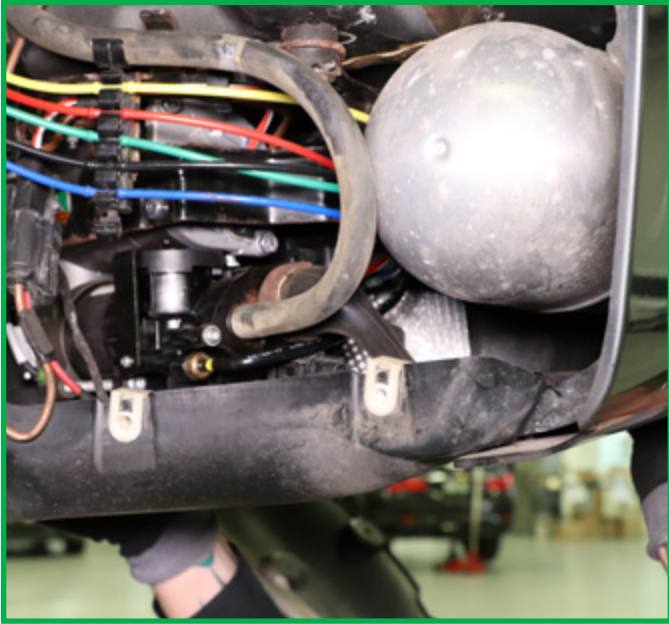


FIGURE 41



FIGURE 42



FIGURE 43

12. Reinstall wheel well liner. (Figures 44, 45)



FIGURE 44

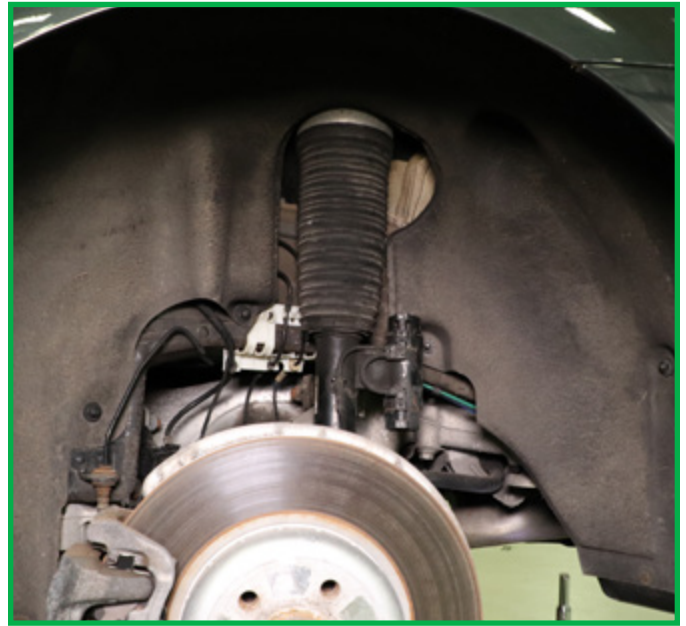


FIGURE 45

13. Reinstall left rear wheel. (Figure 46)



FIGURE 46

NOTE: Inflate air suspension system per manufacturer's specifications.

14. Lower vehicle.

15. Installation complete.

Arnott™

Suspension Products

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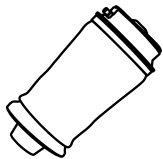
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BE Phone: +32 258 846 90

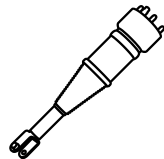
ES Phone: +34 91 901 10 56

FR Phone: +32 78 48 46 93

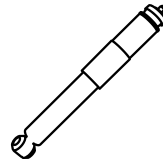
Email: info@arnotteurope.com



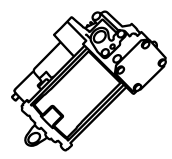
Air Springs



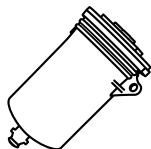
Struts



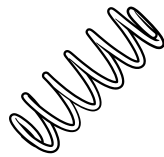
Shocks



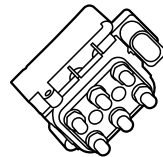
Compressors



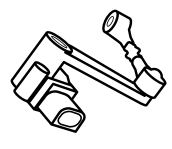
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors