



INSTALLATION MANUAL

P-5182

Arnott Air Suspension Compressor
BMW X5 (E53) w/4-Corner Leveling & RR Phantom



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. Remove the spare tire for access to the compressor housing (Figure 1). Disconnect the air tubes and electrical connector from the compressor to the vehicle. Remove the four (4) bolts holding the compressor housing onto the vehicle (bolts also hold the cover and housing together). (Figure 2)



FIGURE 1

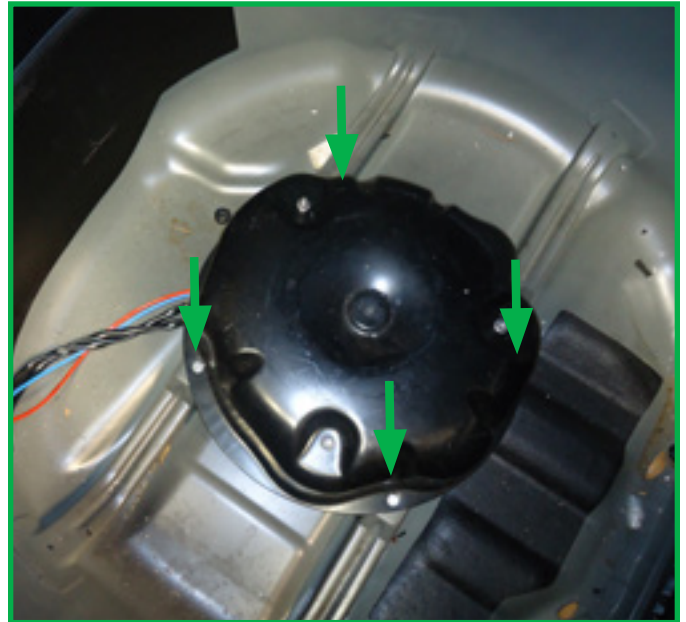


FIGURE 2

2. Remove the plate from the housing to expose the compressor. (Figures 3, 4)



FIGURE 3

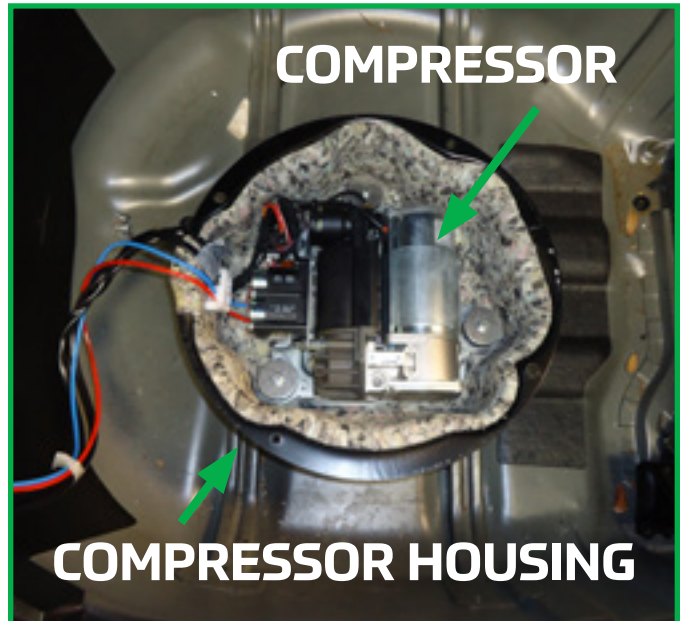


FIGURE 4

- Remove the cable clamp from the housing. Disconnect the air line(s) and the electrical connector from the compressor. Remove the air line fitting from the air hose and discard. (Figures 5, 6)

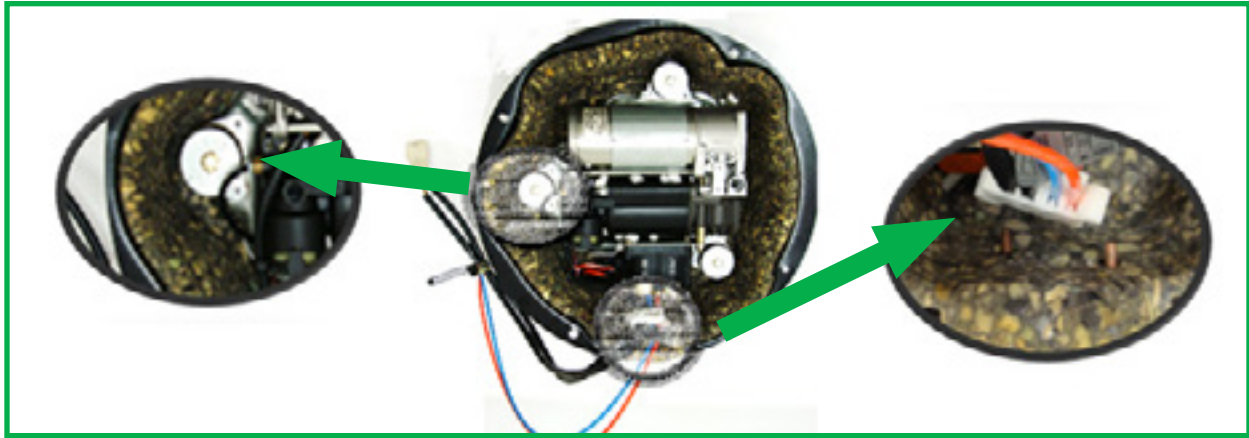


FIGURE 5

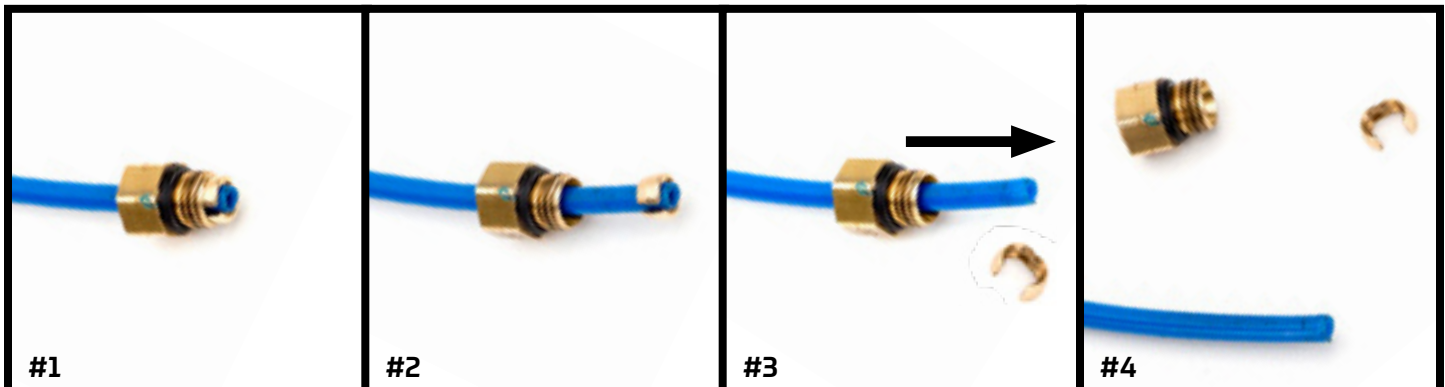
AIR LINE FITTING REMOVAL



Prior to inserting the existing air line into the new compressor 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

#2

#3

#4

OE AIR LINE FITTING

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

SLIDE THE AIR FITTING
OFF OF THE AIR LINE

DISCARD OE AIR LINE
FITTING

FIGURE 6

4. Remove the three mounting nuts and washers, and remove the compressor assembly from the housing. (Figure 7)



FIGURE 7

5. Removal complete.

AIR SUSPENSION COMPRESSOR INSTALLATION



WARNING:

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

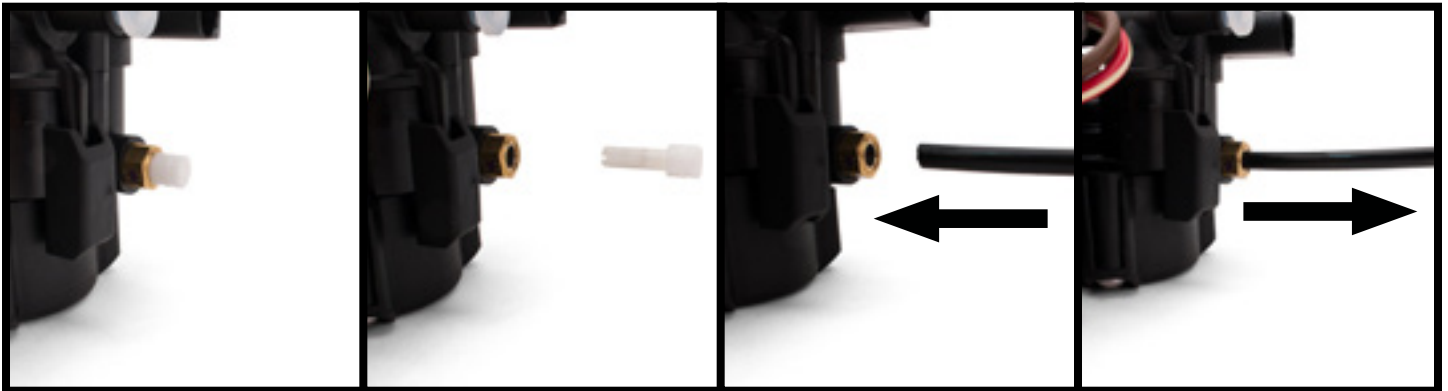


WARNING:

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. Installation is in reverse order of removal. Follow the shipping pin removal and air line installation instructions (Figure 8).

SHIPPING PIN REMOVAL AND AIR LINE INSTALLATION



REMOVE AND DISPOSE OF
THE SHIPPING PIN.

INSERT AIR LINE INTO
THE AIR LINE FITTING
UNTIL IT STOPS.

GENTLY PULL ON AIR
LINE TO CONFIRM IT IS
FULLY SECURED BY THE
AIR LINE FITTING.

FIGURE 8



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.
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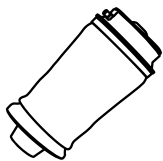
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BE Phone: +32 258 846 90

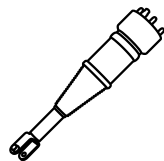
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FR Phone: +32 78 48 46 93

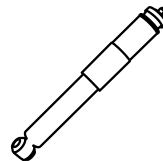
Email: info@arnotteurope.com



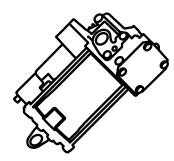
Air Springs



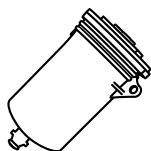
Struts



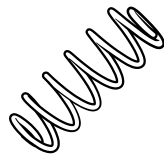
Shocks



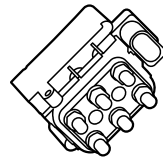
Compressors



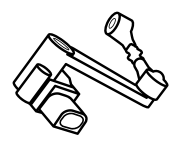
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors