



# INSTALLATION MANUAL

P-3885

Arnott New Air Suspension Compressor  
BMW X5 (E53 Chassis, w/4-Corner Leveling)



**Engineered to Ride, Built to Last<sup>®</sup>**

# 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 REMOVAL

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



FIGURE 1

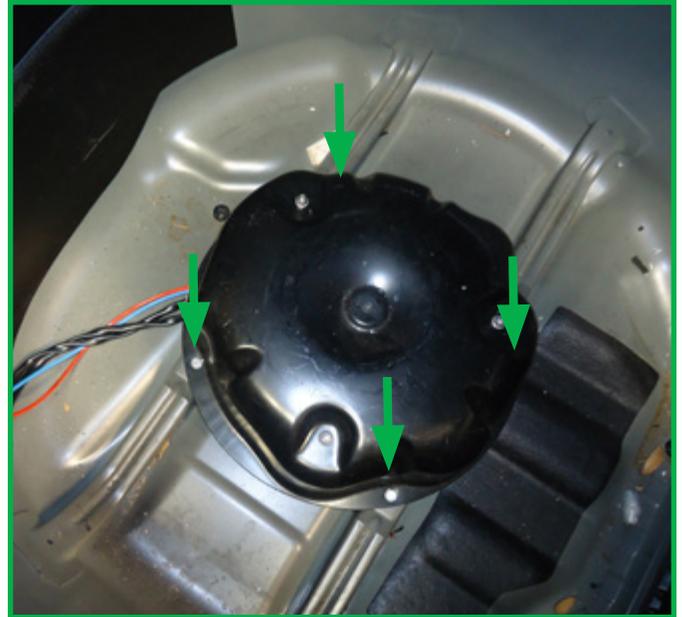


FIGURE 2

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



FIGURE 3

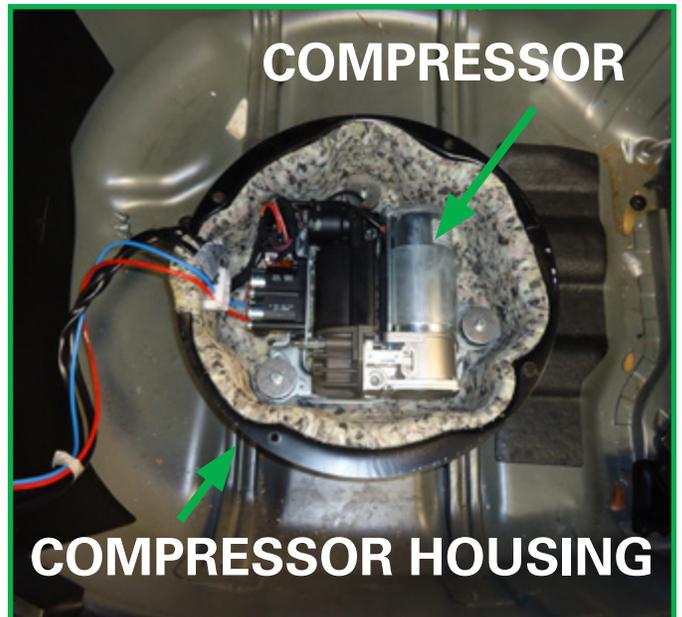


FIGURE 4

3. Remove the cable clamp from housing. Disconnect the air line(s) and the electrical connector from the compressor. Remove the air line fitting from the air hose and discard. (Figure 5)

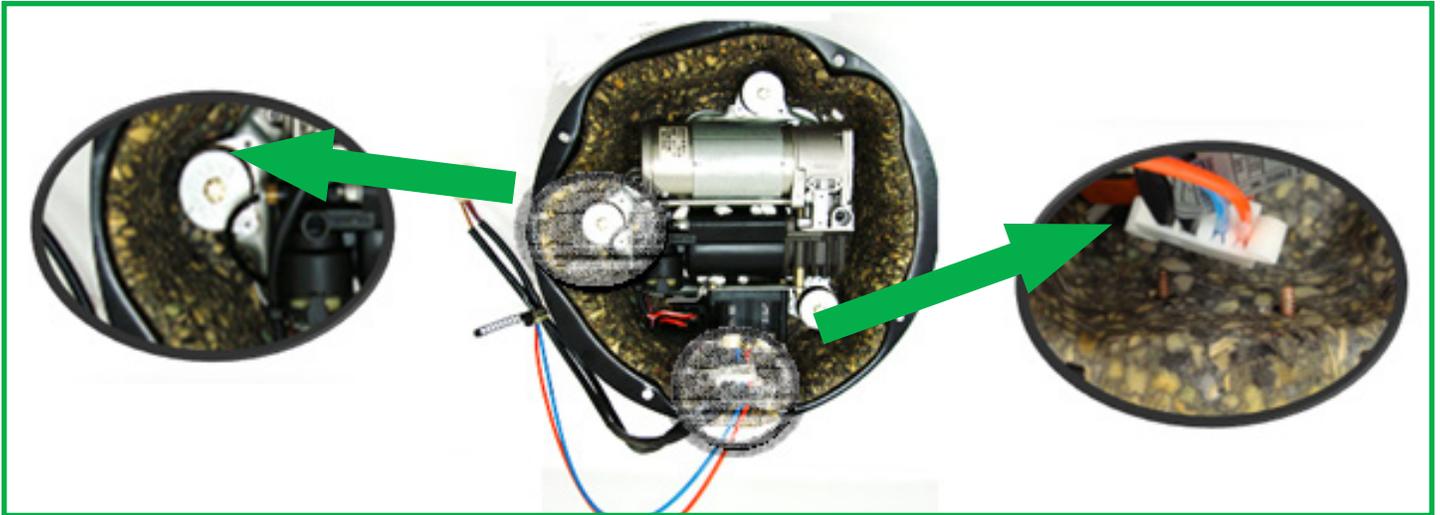


FIGURE 5

4. Remove the three (3) mounting nuts and washers and remove compressor assembly from housing. (Figure 6)



FIGURE 6

5. Loosen relay/solenoid retaining screw. (Figure 7)

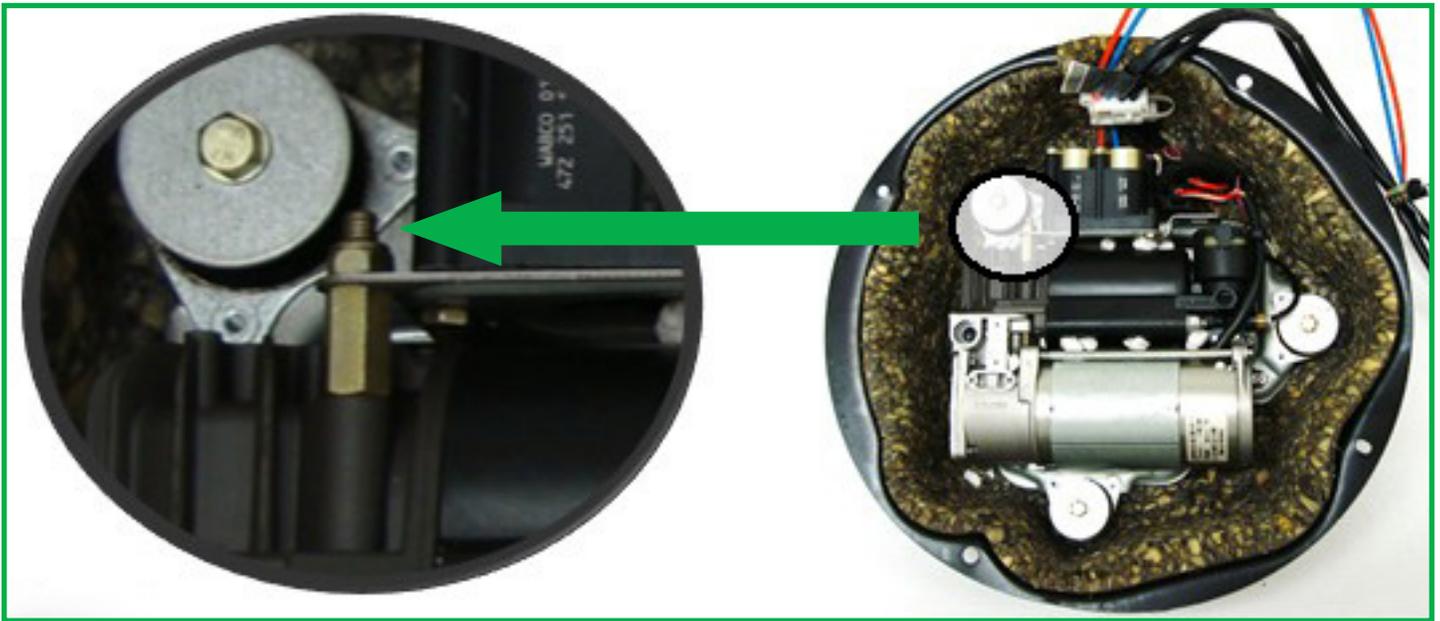


FIGURE 7

6. Remove the three (3) bolts from the backside of the mounting bracket. (Figure 8)

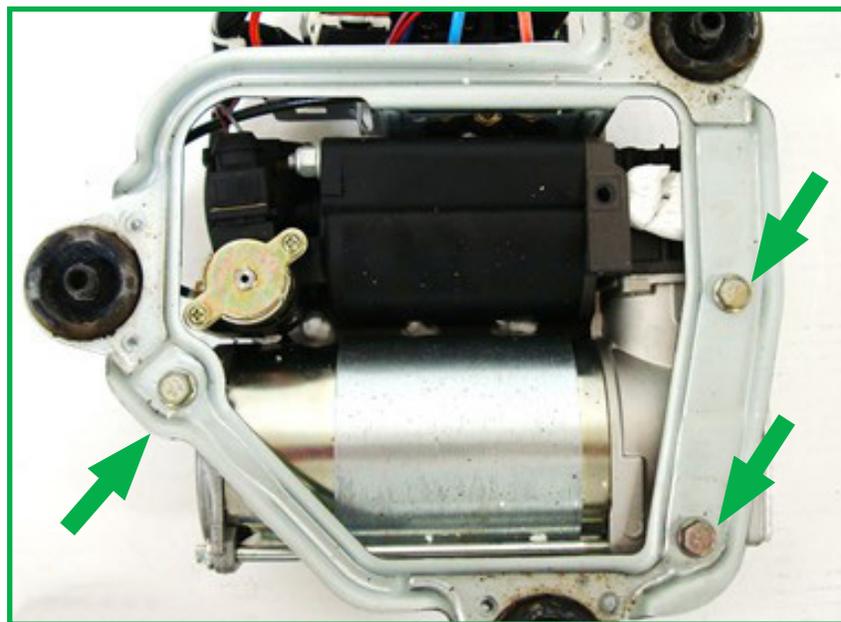


FIGURE 8

7. Remove the pin of the red/white wire from the compressor motor to the relay. (Figure 9)

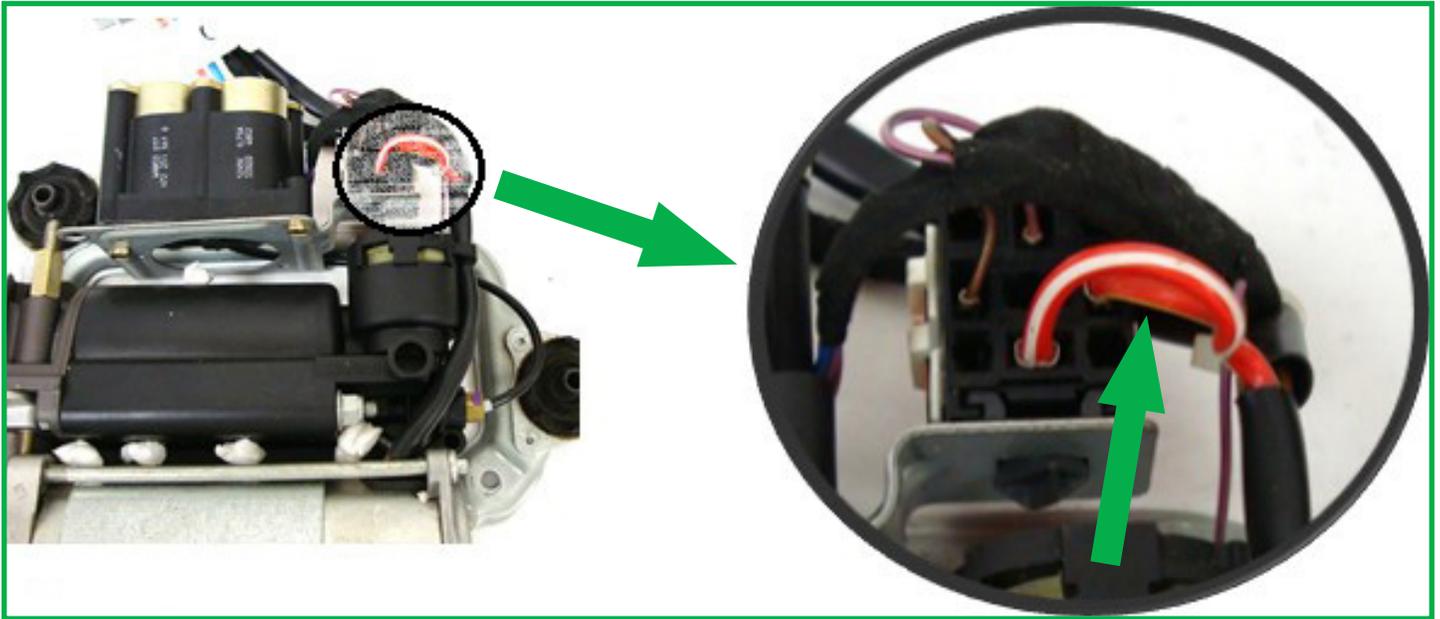


FIGURE 9

8. Remove the pin of brown wire from the motor to the electrical connector. (Figure 10)

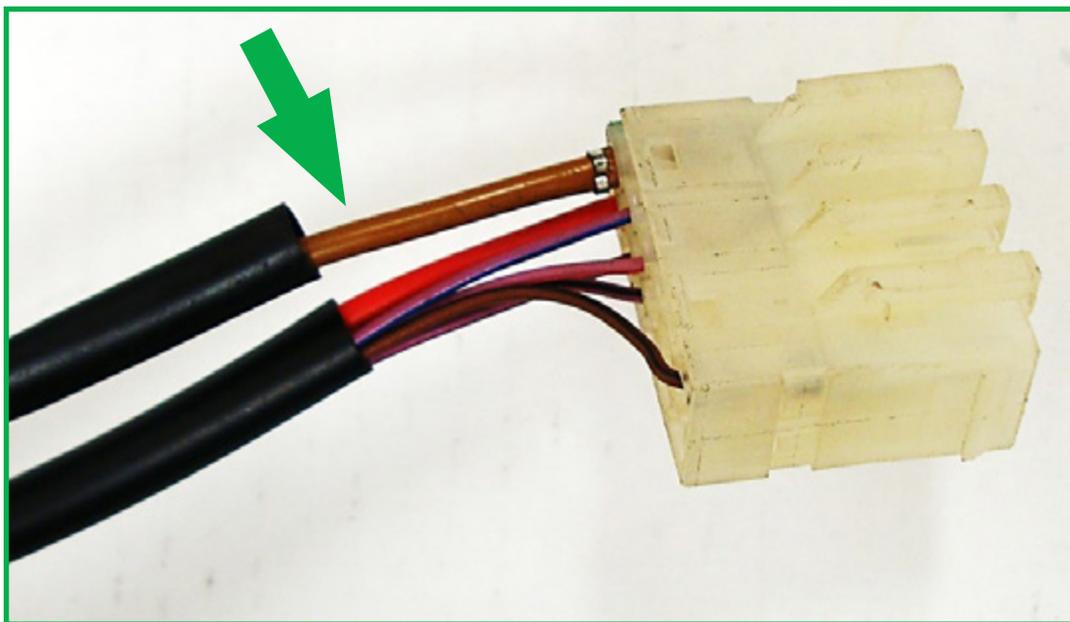


FIGURE 10

**NOTE:** It might be necessary to cut, splice and butt connect the wires if pins cannot be removed.

9. 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. Installation is in reverse order of air compressor removal.



## 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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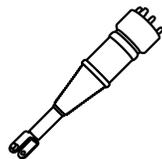
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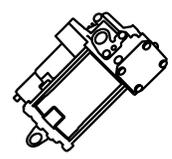
Air Springs



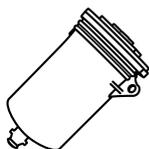
Struts



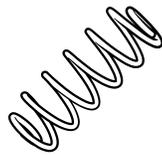
Shocks



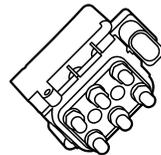
Compressors



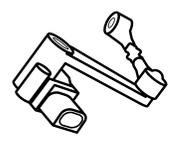
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors