



# INSTALLATION MANUAL

## P-3728 Air Suspension Compressor BMW X5 (E70) & X6 (E71)



**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](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 ASSEMBLY REMOVAL

1. Set steering to straight ahead.
2. Raise vehicle.
3. Remove the fasteners and paneling under the right side of the vehicle to expose the vehicle's air suspension compressor valve block. (Figures 10-1, 10-2)



FIGURE 10-1



FIGURE 10-2

4. Locate and remove the three (3) electrical connectors on the compressor/valve block assembly. (Figures 10-3, 10-4, 10-5)



FIGURE 10-3



FIGURE 10-4

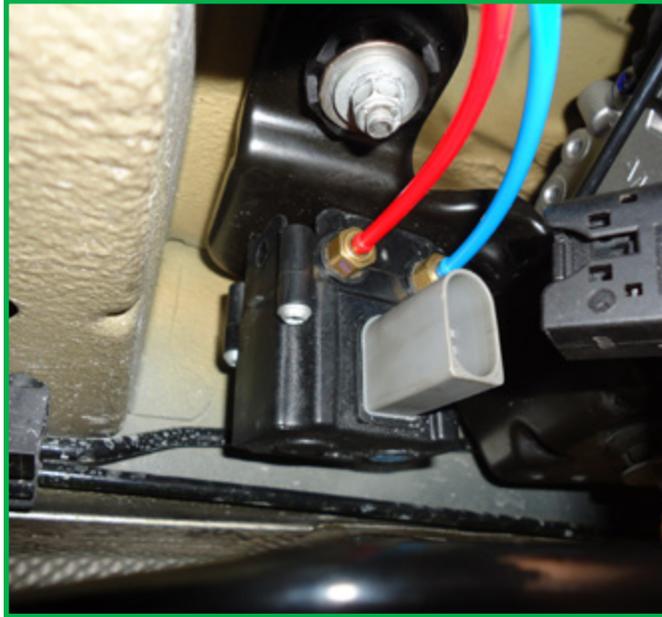


FIGURE 10-5

5. Locate and remove the two (2) air lines leading to the valve block. (Figure 10-6)

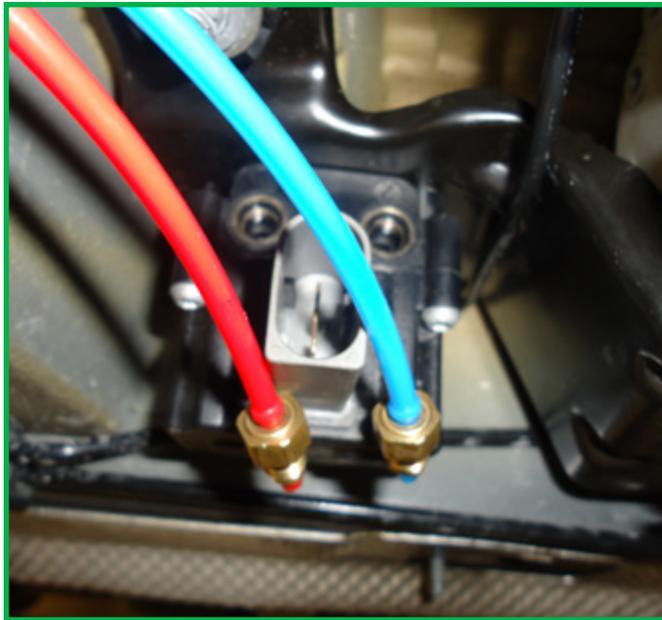


FIGURE 10-6

6. Locate and disconnect the fitting on the larger rubber hose that runs forward from the compressor. (Figure 10-7)



FIGURE 10-7

7. Loosen and remove the hardware holding the brackets for the four (4) black tubes running directly underneath the compressor. (Figures 10-8, 10-9)

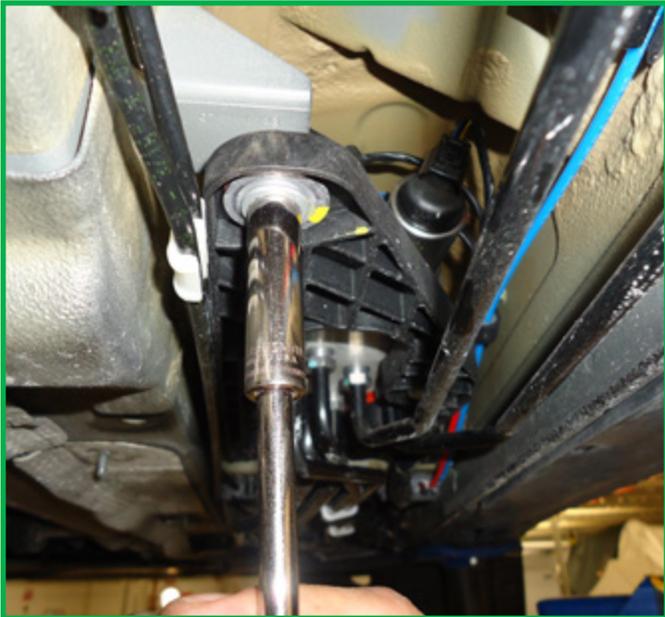


FIGURE 10-8

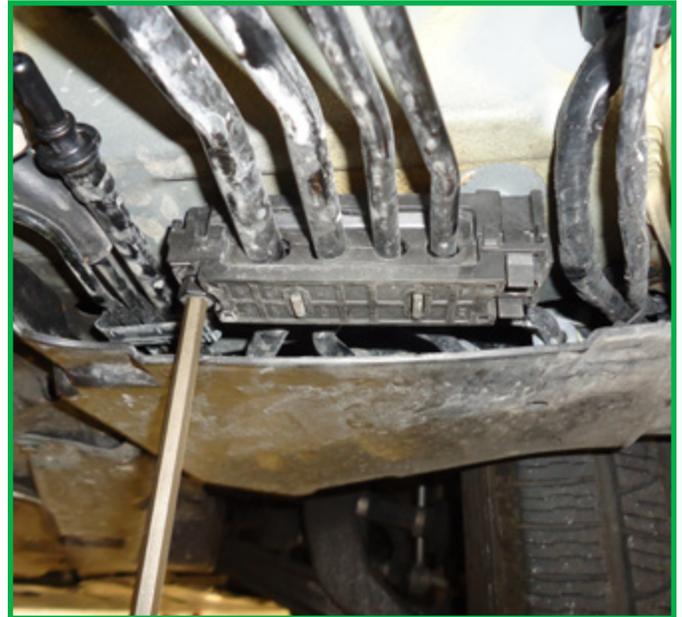


FIGURE 10-9

8. Locate and remove the three (3) nuts holding the compressor assembly to the vehicle. (Figures 10-10, 10-11)

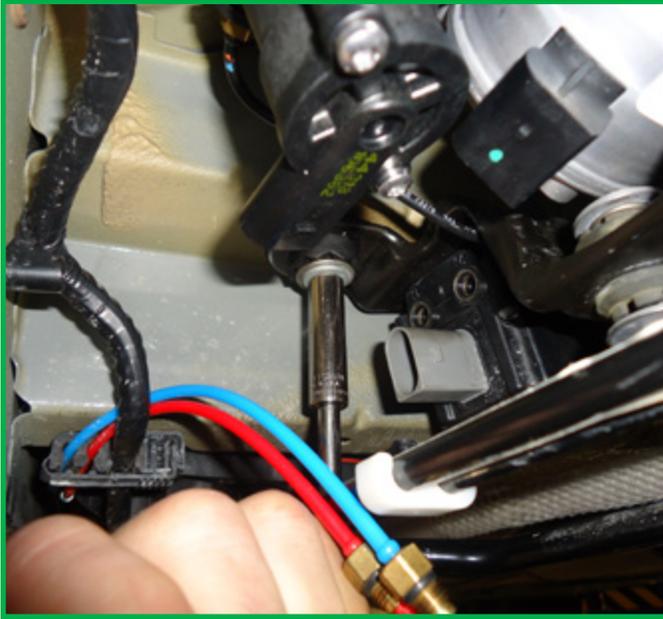


FIGURE 10-10



FIGURE 10-11

9. Remove the compressor assembly from the vehicle. (Figure 10-12)



FIGURE 10-12

10. Removal complete.

# AIR SUSPENSION COMPRESSOR ASSEMBLY INSTALLATION



**WARNING:**

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

1. Install the compressor assembly back into the vehicle in the reverse order of removal.

**NOTE:** The compressor assembly mounting holes are **unthreaded**. The fasteners being reused are threadforming and will create the threads while installing.



## 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 SPRINGS 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 and fail from continuous operation.

#### REFER TO ARNOTT PART NUMBER:

**A-2642** (Left or right replacement rear air spring for 07-13 BMW X5/09-13 BMW X6)

\* It is recommended that you replace your BMW X5/X6 air springs in pairs.

# Arnott™

## Suspension Products

### Arnott US Business Office:

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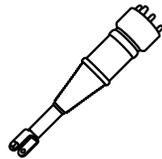
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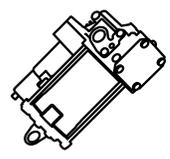
Air Springs



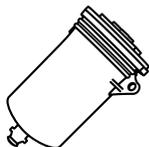
Struts



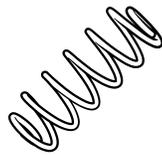
Shocks



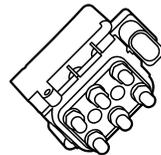
Compressors



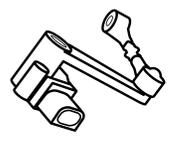
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors