

Installation Manual

P-3221
AIR SUSPENSION COMPRESSOR
BMW X5 (E70 CHASSIS)
BMW X6 (E71 CHASSIS)



Congratulations on your purchase of an Arnett® air suspension product. We at Arnett Incorporated are proud to offer a high quality product at the industry's most competitive pricing. 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, ASE Certified, 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.

"Engineered to Ride, Built to Last®"



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.*

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett 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)

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.

- Not to be stored below 5°F (-15°C) or 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.

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 1, 2)



FIGURE 1



FIGURE 2

4. LOCATE AND REMOVE THE THREE (3) ELECTRICAL CONNECTORS ON THE COMPRESSOR/VALVE BLOCK ASSEMBLY. (FIGURES 3, 4, 5)

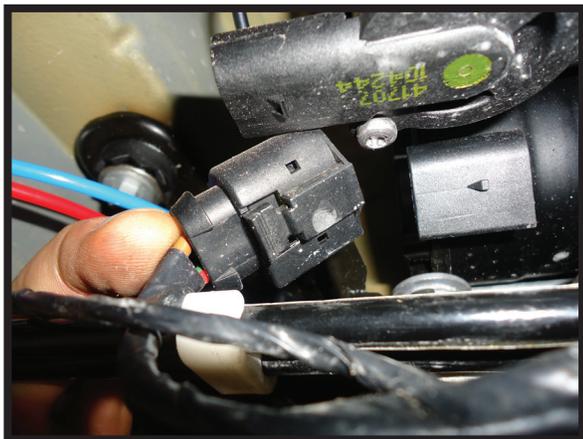


FIGURE 3



FIGURE 4



FIGURE 5

5. LOCATE AND REMOVE THE TWO (2) AIR LINES LEADING TO THE VALVE BLOCK. (FIGURE 6)

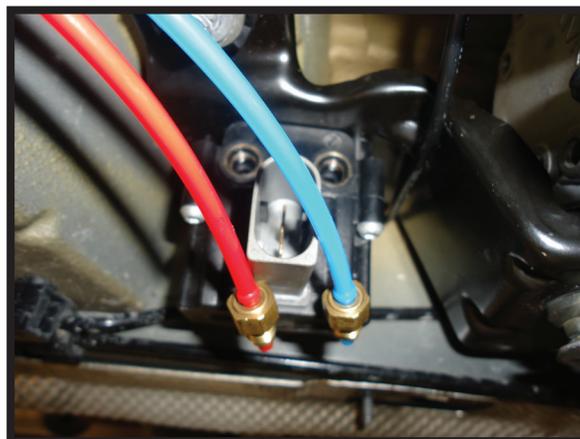


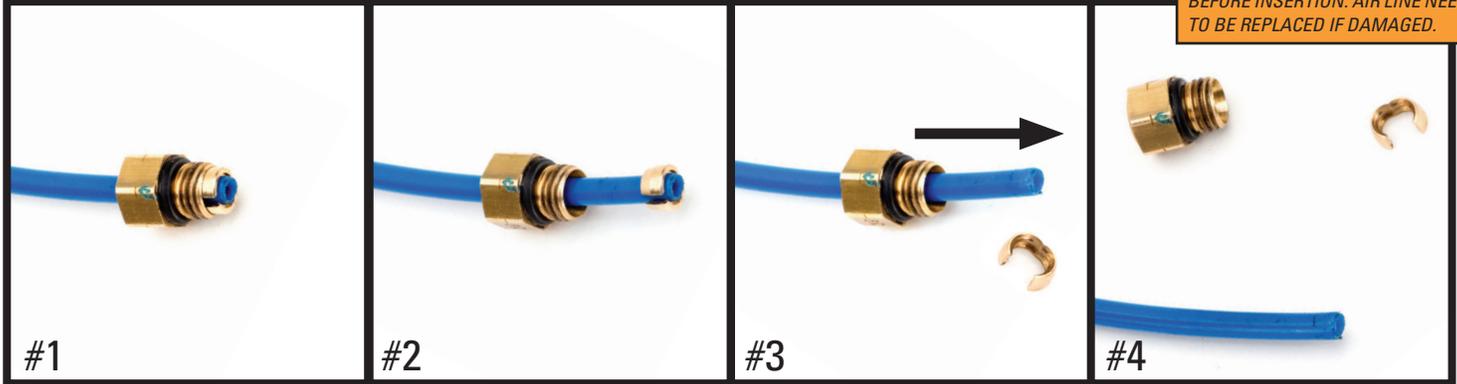
FIGURE 6

AIR FITTING 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.

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 AIR LINE IS READY FOR INSTALLATION

6. LOCATE AND DISCONNECT THE FITTING ON THE LARGER RUBBER HOSE THAT RUNS FORWARD FROM THE COMPRESSOR. (FIGURE 7)



FIGURE 7

7. LOOSEN AND REMOVE THE HARDWARE HOLDING THE BRACKETS FOR THE FOUR (4) TUBES RUNNING DIRECTLY UNDERNEATH THE COMPRESSOR. (FIGURES 8, 9)



FIGURE 8

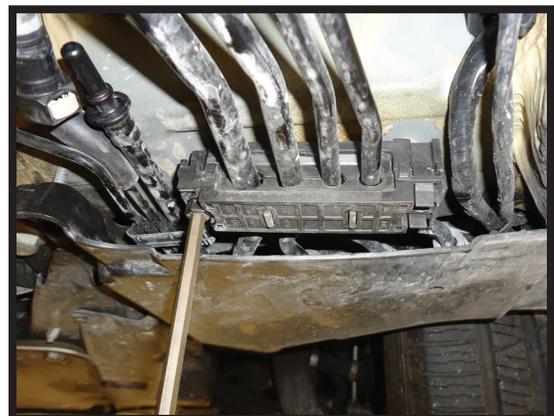


FIGURE 9

8. LOCATE AND REMOVE THE THREE (3) NUTS HOLDING THE COMPRESSOR ASSEMBLY TO THE VEHICLE. (FIGURES 10, 11)

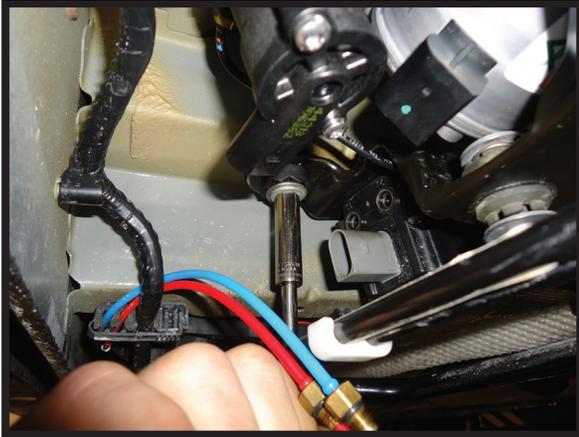


FIGURE 10



FIGURE 11

9. REMOVE THE COMPRESSOR ASSEMBLY FROM THE VEHICLE. (FIGURE 12)



FIGURE 12

10. REMOVAL COMPLETE.

AIR SUSPENSION COMPRESSOR ASSEMBLY INSTALLATION



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

1. INSTALL THE COMPRESSOR ASSEMBLY ONTO THE VEHICLE. (FIGURE 13)



FIGURE 13

2. INSTALL THE THREE (3) NUTS HOLDING THE COMPRESSOR ASSEMBLY TO THE VEHICLE. (FIGURES 14, 15)

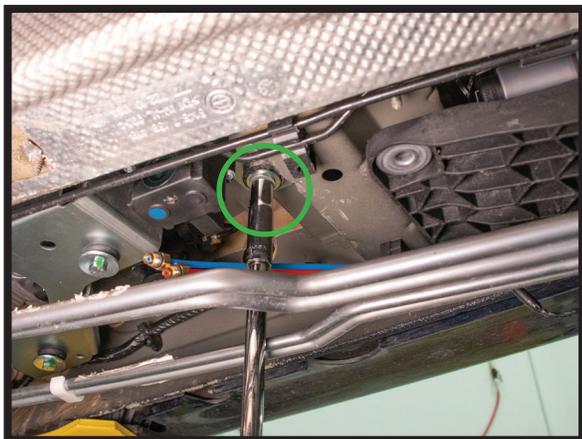


FIGURE 14



FIGURE 15

3. INSTALL AND TIGHTEN THE HARDWARE HOLDING THE BRACKETS FOR THE FOUR (4) TUBES RUNNING DIRECTLY UNDERNEATH THE COMPRESSOR. (FIGURES 16, 17)

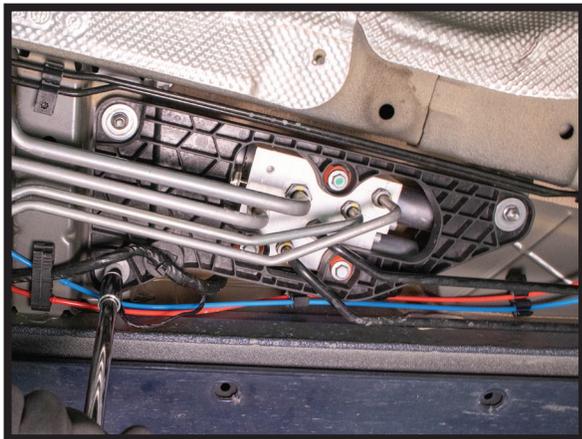


FIGURE 16

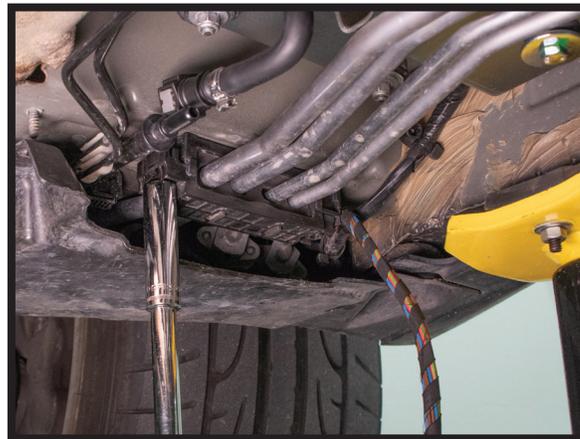


FIGURE 17

4. CONNECT THE FITTING ON THE LARGER RUBBER HOSE THAT RUNS FORWARD FROM THE COMPRESSOR UNTIL IT CLICKS. (FIGURE 18)



FIGURE 18

5. INSTALL THE TWO (2) AIR LINES LEADING TO THE VALVE BLOCK MAKING SURE TO CONNECT BLUE AIR LINE TO THE BLUE DOT SIDE OF THE VALVE BLOCK. (FIGURE 19)



FIGURE 19

6. CONNECT THE THREE (3) ELECTRICAL CONNECTORS ON THE COMPRESSOR/VALVE BLOCK ASSEMBLY. (FIGURES 20, 21, 22)

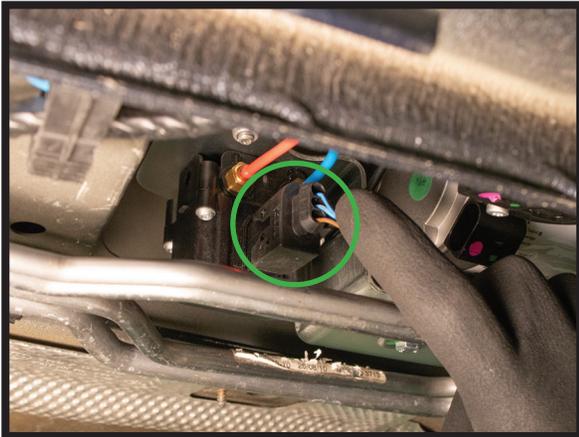


FIGURE 20



FIGURE 21

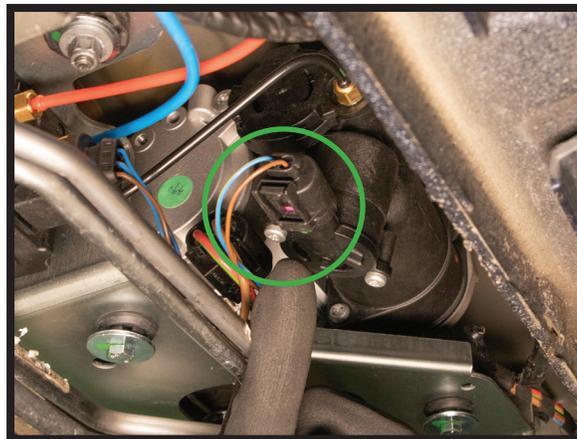


FIGURE 22

7. RE-INSTALL THE FASTENERS AND PANELING UNDER THE RIGHT SIDE OF THE VEHICLE. (FIGURES 23, 24)



FIGURE 23



FIGURE 24

8. INSTALLATION COMPLETE.



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[®] 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