

# Installation Manual

VB-3787  
ARNOTT  
VALVE BLOCK  
2011-2017 BMW 5-SERIES GT (F07)  
2009-2015 7-SERIES (F01/02/04) INCL. HYBRIDS



Congratulations on your purchase of an Arnott® air suspension product. We at Arnott 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.*

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))

## 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).

- 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.

## THIS MANUAL ILLUSTRATES THE PROPER INSTALLATION OF VB-3502 ON A 2012 BMW 750LI (F01/02) CHASSIS

### VALVE BLOCK REMOVAL

1. DISABLE AIR SUSPENSION COMPRESSOR PER MANUFACTURER'S SPECIFICATIONS.
2. RAISE VEHICLE.
3. REMOVE AIR COMPRESSOR COVER PANEL TO GAIN ACCESS TO VALVE BLOCK. (FIGURES 1, 2)



FIGURE 1



FIGURE 2

4. REMOVE THE AIR LINES FROM VALVE BLOCK. (FIGURES 4, 5)

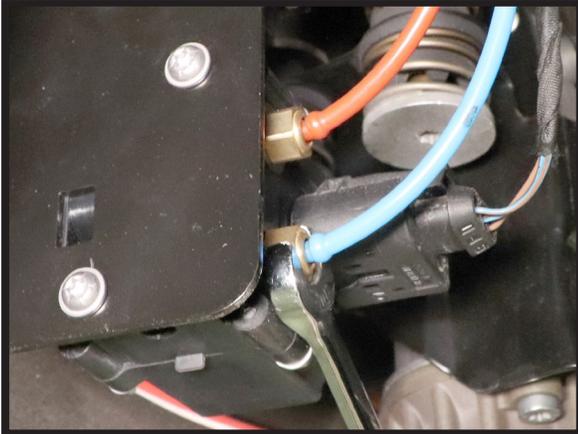


FIGURE 3

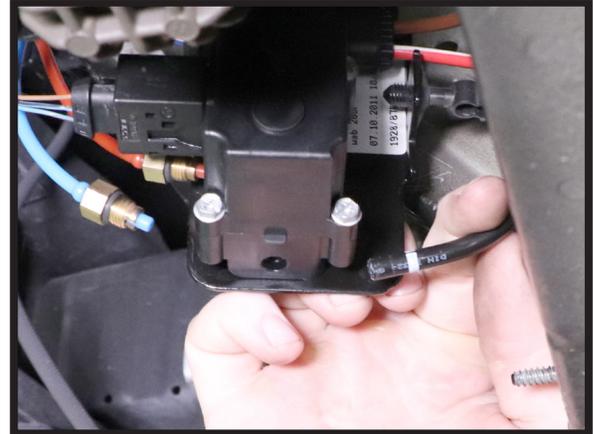


FIGURE 4

5. DISCONNECT THE ELECTRICAL CONNECTION. (FIGURE 5)

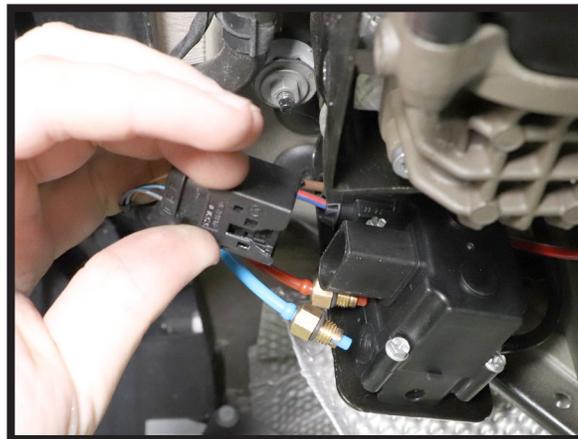


FIGURE 5

6. REMOVE VALVE BLOCK BRACKET SCREWS AND REMOVE VALVE BLOCK FROM VEHICLE. (FIGURES 6, 7)



FIGURE 6



FIGURE 7

8. REMOVAL COMPLETE.

## VALVE BLOCK INSTALLATION



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



*Do not remove the air fittings from the valve block. Doing so may cause damage and/or void warranty. Remove the shipping pins from the new air fittings and insert the air lines until fully seated.*

1. INSTALL NEW VALVE BLOCK INTO VEHICLE AND INSTALL THE PROVIDED VALVE BLOCK BRACKET SCREWS. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 8, 9)



FIGURE 8



FIGURE 9

2. PREPARE THE EXISTING AIR LINES BY REMOVING THE OLD AIR FITTINGS, USING THE FIGURE BELOW AS AN EXAMPLE. (FIGURE 10)

## 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.

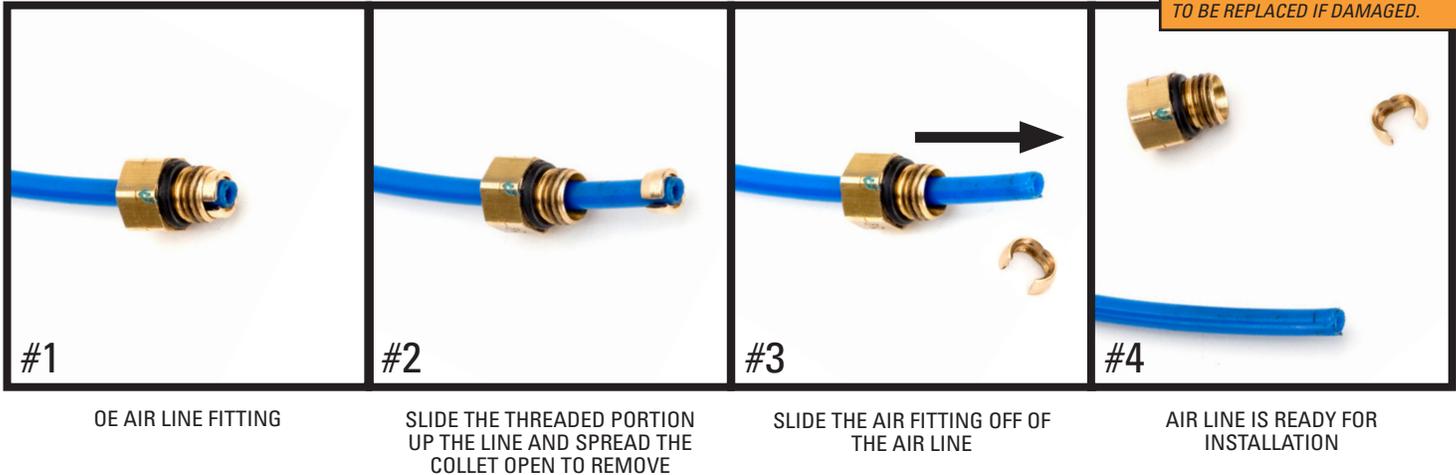
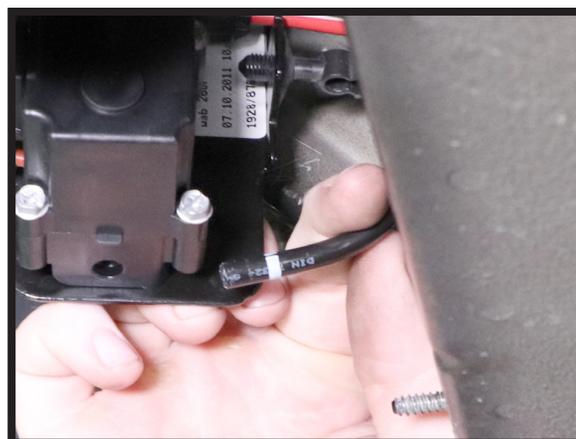


FIGURE 10

3. INSTALL THE AIR LINES. PRESS IN THE AIR LINES FIRMLY UNTIL FULL SEATED (FIGURE 11)



**NOTE:** THE BLUE DOT ON THE VALVE BLOCK CORRESPONDS TO THE BLUE HOSE CONNECTION.

FIGURE 11

4. RECONNECT ELECTRICAL CONNECTION. (FIGURE 12)

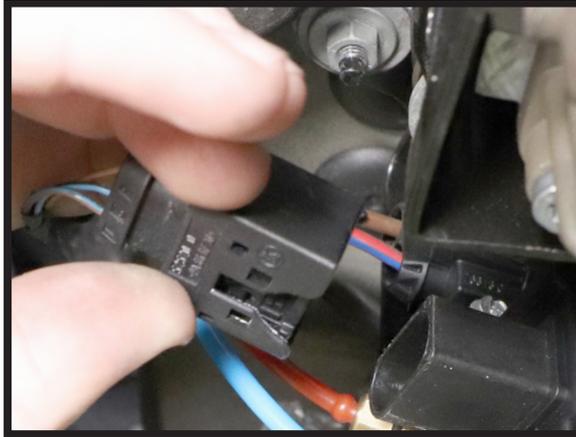


FIGURE 12

5. REINSTALL THE COMPRESSOR COVER PANEL (FIGURE 13)



FIGURE 13

6. LOWER VEHICLE
7. ENABLE AIR SUSPENSION COMPRESSOR PER MANUFACTURER'S SPECIFICATIONS.
8. INSTALLATION COMPLETE.