

Installation Manual

P-2469 WP
WABCO OES AIR SUSPENSION COMPRESSOR
FOR 1999-2003 BMW 5 SERIES (E39 CHASSIS)
FOR 2002-2008 BMW 7 SERIES (E65 CHASSIS)
FOR 2000-2006 BMW X5 (E53 CHASSIS)
W/REAR AIR LEVELING ONLY

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.



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 protective hand, ear, and eye protection when servicing the air suspension system.*

KIT CONTAINS:

PARTS LIST

P/N	QTY	DESCRIPTION
21-4522	1	WABCO OES AIR SUSPENSION COMPRESSOR
21-6942	1	ACCESSORY KIT

GENERAL INFORMATION:

- 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.

AIR SUSPENSION COMPRESSOR REMOVAL

1. REMOVE SPARE TIRE FOR ACCESS TO COMPRESSOR HOUSING. (FIGURE A)
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 B)



FIGURE A

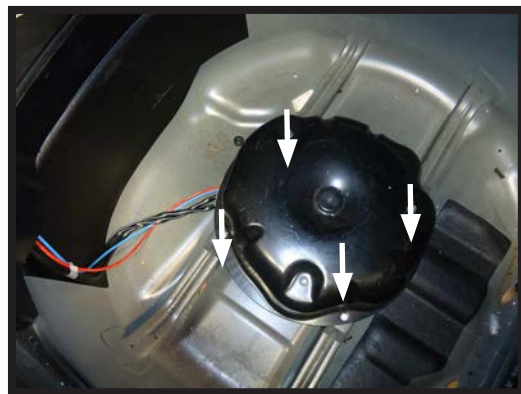


FIGURE B

P-2469 WP
WABCO OES AIR SUSPENSION COMPRESSOR
FOR 1999-2003 BMW 5 SERIES (E39 CHASSIS)
FOR 2002-2008 BMW 7 SERIES (E65 CHASSIS)
FOR 2000-2006 BMW X5 (E53 CHASSIS)
W/REAR AIR LEVELING ONLY

2. REMOVE THE PLATE FROM THE HOUSING TO EXPOSE THE COMPRESSOR. (FIGURE C)

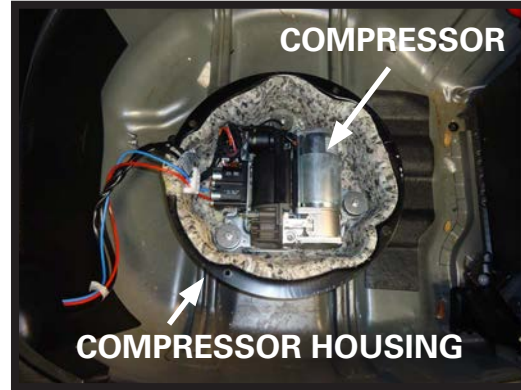
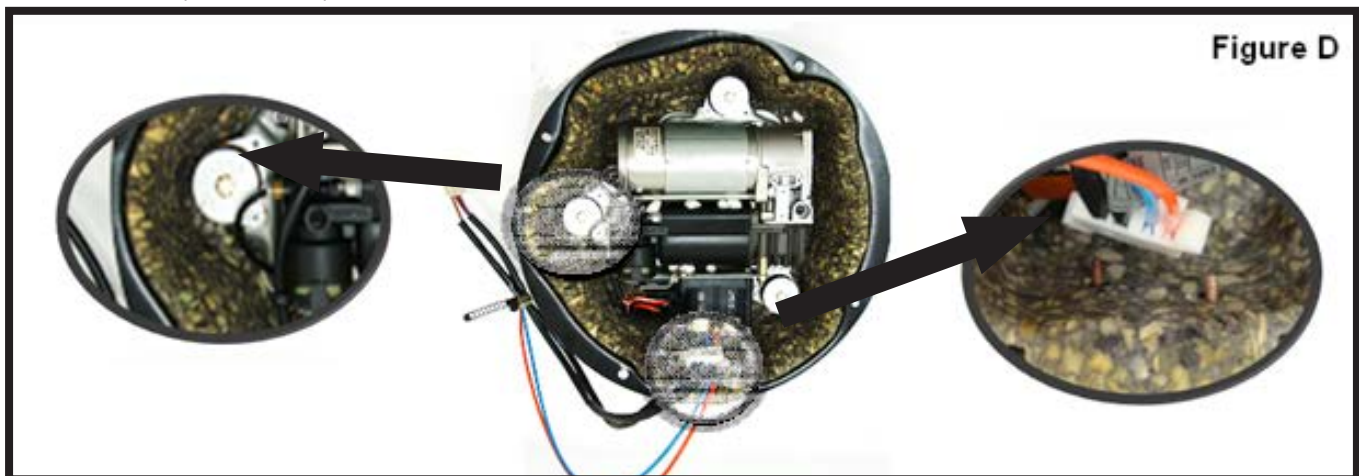
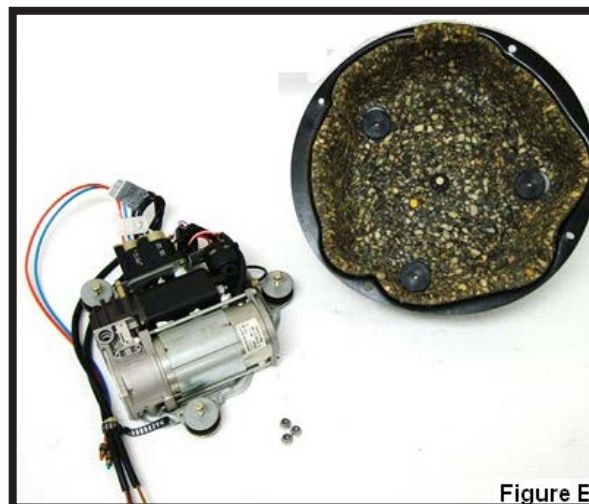


FIGURE C

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 D)



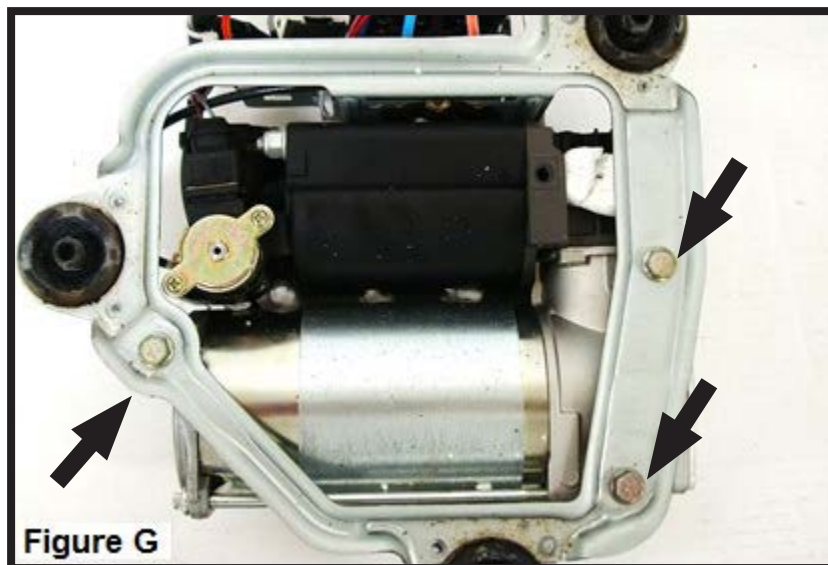
4. REMOVE THE THREE (3) MOUNTING NUTS AND WASHERS AND REMOVE COMPRESSOR ASSEMBLY FROM HOUSING. (FIGURE E)



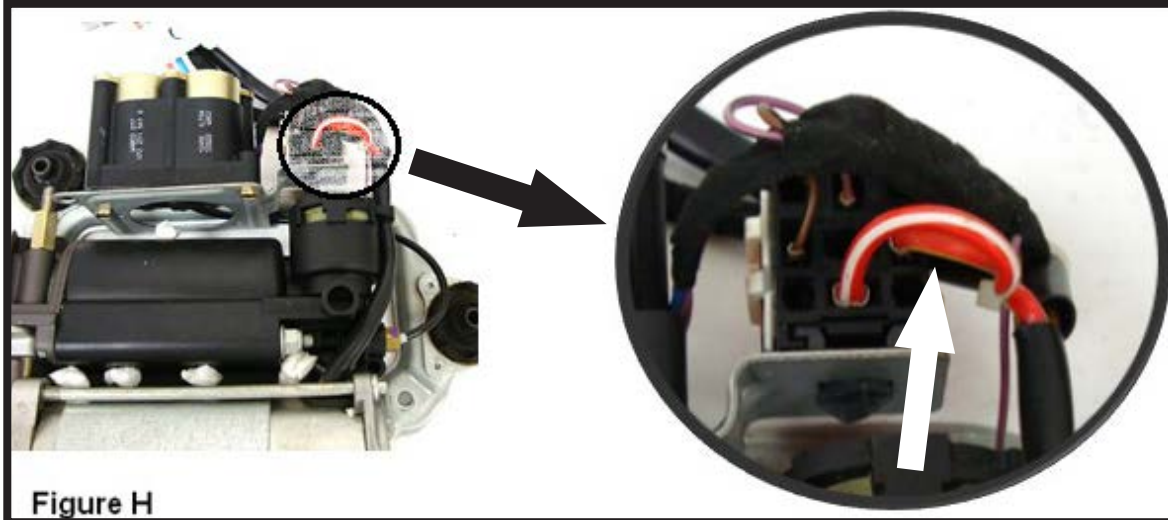
5. LOOSEN RELAY/SOLENOID RETAINING SCREW. (FIGURE F)



6. REMOVE THE THREE (3) BOLTS FROM THE BACKSIDE OF THE MOUNTING BRACKET. (FIGURE G)



7. REMOVE THE PIN OF THE RED/WHITE WIRE FROM THE COMPRESSOR MOTOR TO THE RELAY. (FIGURE H)



8. REMOVE THE PIN OF BROWN WIRE FROM THE MOTOR TO THE ELECTRICAL CONNECTOR. (FIGURE I)

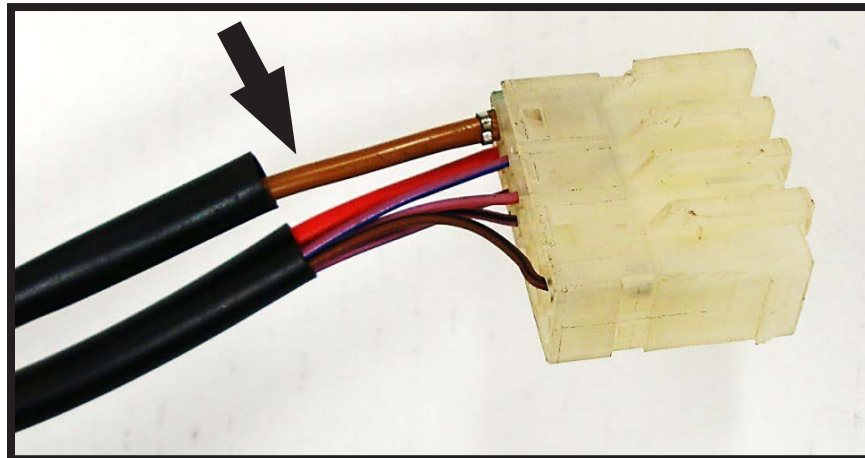




FIGURE I

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

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