

Installation Manual

P-3215 AIR SUSPENSION COMPRESSOR MERCEDES-BENZ R-CLASS (W251 CHASSIS)



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. (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 REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. LIFT VEHICLE AND REMOVE FRONT RIGHT WHEEL. (FIGURE 1)



FIGURE 1

3. REMOVE THE FASTENERS AND FRONT INNER WHEEL WELL LINER FROM THE VEHICLE TO EXPOSE THE VEHICLE'S AIR SUSPENSION COMPRESSOR. (FIGURE 2)



FIGURE 2

4. LOCATE AND DISCONNECT THE TWO (2) ELECTRICAL CONNECTORS FROM THE COMPRESSOR. (FIGURE 3)

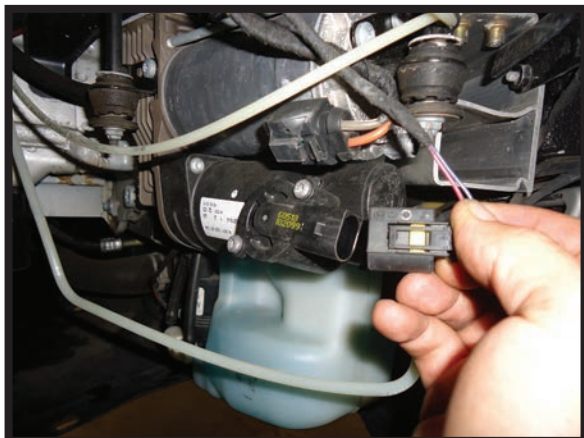


FIGURE 3

5. LOCATE AND SLOWLY REMOVE THE AIR LINE FROM THE COMPRESSOR. REMOVE THE AIR LINE FITTING FROM THE AIR HOSE AND DISCARD. (FIGURE 4)



FIGURE 4

6. LOCATE THE LARGER RUBBER HOSE LEADING TO THE COMPRESSOR. PINCH AND SLIDE THE HOSE CLAMP OFF OF THE AIR FITTING AND REMOVE THE AIR HOSE. (FIGURE 5)



FIGURE 5

7. LOCATE AND REMOVE THE THREE (3) MOUNTING NUTS TO REMOVE THE COMPRESSOR FROM THE VEHICLE. (FIGURE 6)



FIGURE 6

8. 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 THE REVERSE ORDER OF AIR COMPRESSOR REMOVAL USING FACTORY MOUNTING HARDWARE.
2. INSTALL THE SAVED FACTORY ISOLATORS ONTO THE COMPRESSOR. (FIGURE 7)

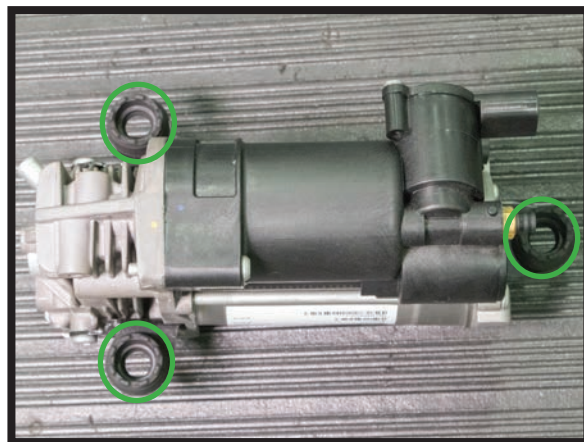


FIGURE 7

3. INSTALL THE SAVED FACTORY MOUNTS ONTO THE COMPRESSOR. (FIGURE 8)

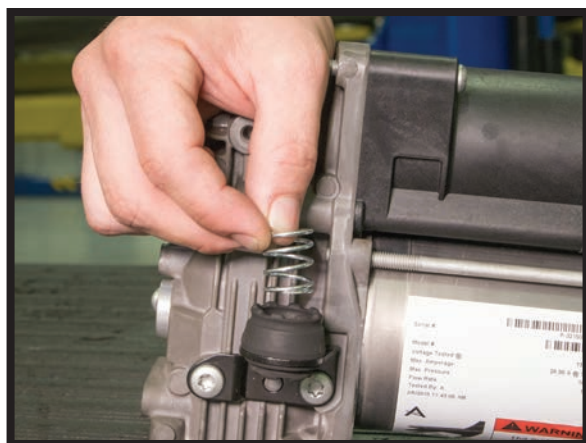


FIGURE 8

4. INSTALL THE COMPRESSOR INTO VEHICLE. REINSTALL THE THREE MOUNTING NUTS AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 9)



FIGURE 9

6. REINSTALL THE LARGE RUBBER AIR HOSE ONTO THE COMPRESSOR. (FIGURE 10)

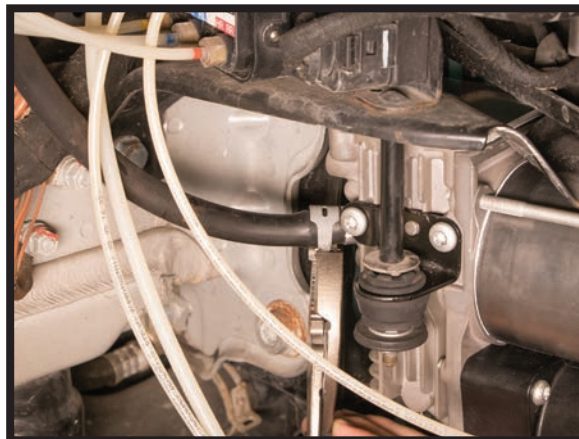


FIGURE 10

7. REMOVE BLACK SHIPPING PIN AND REINSTALL THE AIR LINE. (FIGURE 12)

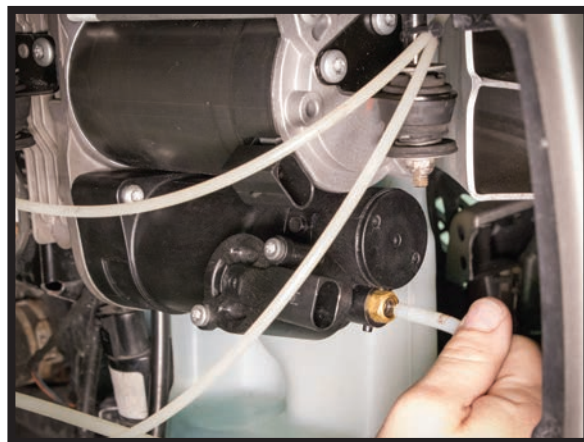


FIGURE 12

8. REINSTALL THE TWO ELECTRICAL CONNECTORS. (FIGURE 13)



FIGURE 13

9. REINSTALL THE WHEEL WELL LINER.
10. REINSTALL THE WHEEL.
11. LOWER THE VEHICLE.
12. 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 FROM CONTINUOUS OPERATION.

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