



INSTALLATION MANUAL

SK-3816 Arnott New Rear Right Shock BMW X5 (F15/F85) & X6 (F16/F86) w/VDC



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 and 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.

This vehicle contains 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.

REAR SHOCK REMOVAL

1. Deflate and disable the air suspension per manufacturer's instructions.
2. Raise the vehicle.
3. Remove the applicable wheel. (Figure 1)



FIGURE 1

4. Remove the screw retaining the acceleration sensor on the strut bracket. (Figure 2)



FIGURE 2

5. Un-route the wires from the acceleration sensor and shock damping valve. Remove the wires from the brackets throughout the wheel well back to the junction box and disconnect the connectors. (Figures 3, 4, 5)



FIGURE 3



FIGURE 4



FIGURE 5

6. Disconnect the brake line from the shock bracket. (Figure 6)



FIGURE 6

7. Remove applicable trim from the luggage compartment to gain access to the shock top nuts. Remove the three top nuts. (Figures 7, 8)



FIGURE 7



FIGURE 8

8. Remove the lower shock bolt. Ensure there is no tension on the shock when removing the bolt. (Figure 9)



FIGURE 9

9. Remove the shock from the vehicle. (Figure 10)



FIGURE 10

10. Removal complete.

REAR SHOCK INSTALLATION



WARNING:

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

1. Install the acceleration sensor to the new Arnott shock. (Figure 11)

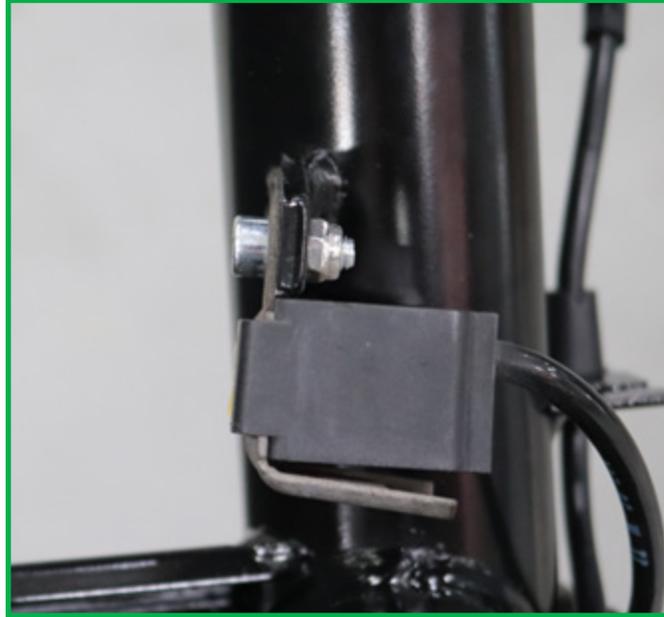


FIGURE 11

2. Install the new Arnott shock into the vehicle. (Figure 12)



FIGURE 12

3. Install the lower shock bolt. Ensure there is no tension on the shock bolt during installation. (Figure 13)



FIGURE 13

4. Support the wheel hub and install the top mount nuts. (Figure 14)



FIGURE 14

5. Re-route the acceleration sensor and damping coil wires to the wire brackets in the wheel well. Reconnect the connectors at the junction box. (Figures 15, 16, 17)



FIGURE 15



FIGURE 16



FIGURE 17

6. Reconnect the brake line to the shock bracket. (Figure 18)



FIGURE 18

7. Tighten all hardware to manufacturer's specifications.
8. Inflate the air suspension system per manufacturer's instructions.
9. Reinstall the wheel.
10. Installation complete.

Arnott™

Suspension Products

Arnott US Business Office:

www.arnottinc.com

100 Sea Ray Drive
Merritt Island, FL 32953

Call: 800.251.8993

321.868.3016

Fax: 321.868.3703

Email: techassistance@arnottinc.com

Arnott Europe Business Office:

www.arnotteurope.com

Docterskampstraat 1E/1F, 3
5222 AM 's-Hertogenbosch (NL)

NL Phone: +31 73 7850 580

DE Phone: +31 85 2087 438

UK Phone: +44 203 3186 124

BE Phone: +32 258 846 90

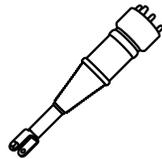
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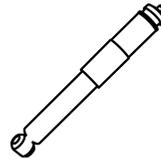
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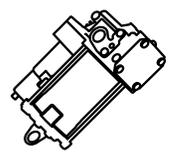
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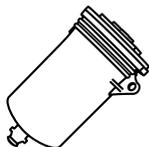
Struts



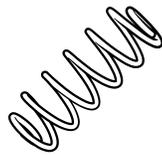
Shocks



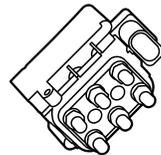
Compressors



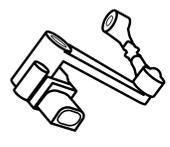
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors