



INSTALLATION MANUAL

SK-3310 Arnott New Rear Shock Volvo XC90 (SPA)



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.

SHOCK REMOVAL

1. Lift the vehicle per manufacturer's specifications.
2. Deflate the applicable air spring per manufacturer's specifications.
3. Remove the applicable wheel. (Figure 1)



FIGURE 1

4. Disconnect the electrical connector from the shock solenoid. (Figure 2)



FIGURE 2

5. Remove the lower shock mount bolt. (Figures 3, 4)



FIGURE 3



FIGURE 4

6. Remove the upper shock mount bolts. (Figures 5, 6)

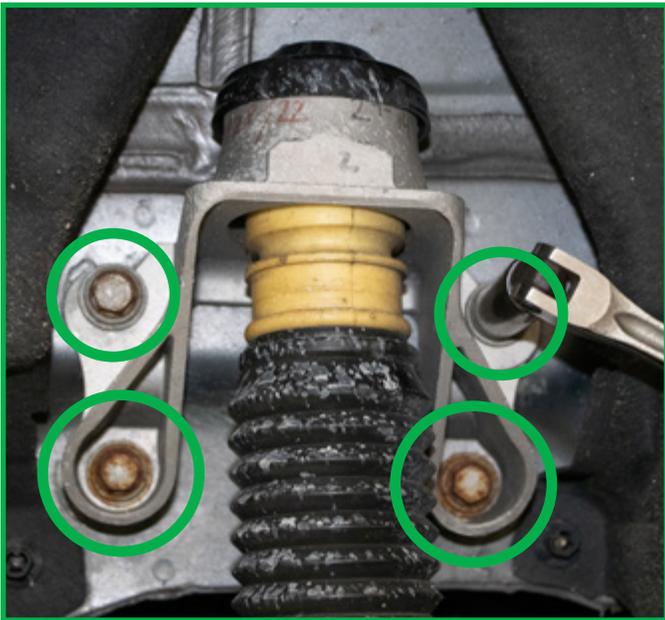


FIGURE 5



FIGURE 6

7. Remove the old shock from the vehicle. (Figure 7)



FIGURE 7

SHOCK INSTALLATION

1. Install the new shock into the vehicle. (Figure 8)



FIGURE 8

2. Install the upper shock mount bolts. Tighten to manufacturer's specifications. (Figures 9, 10)

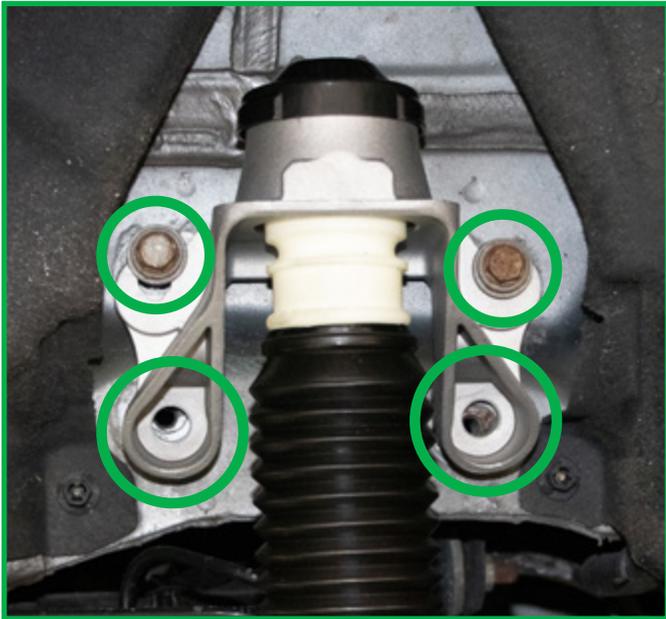


FIGURE 9

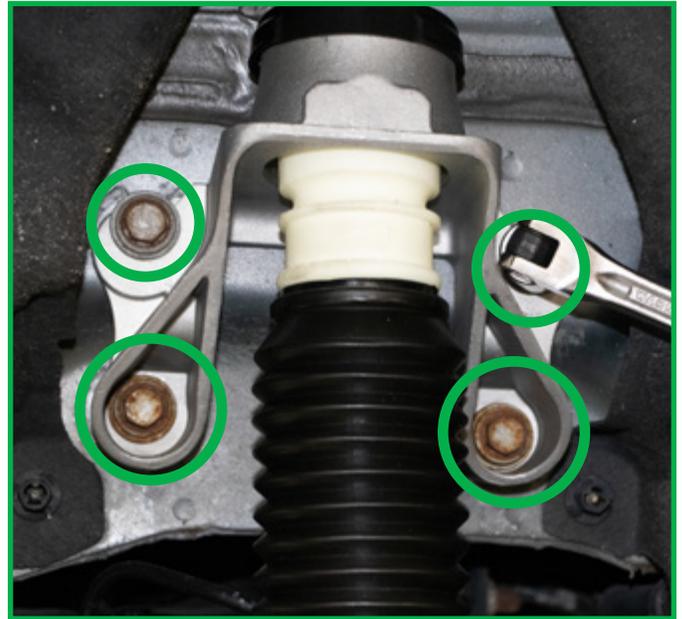


FIGURE 10

3. Install the lower shock mount bolt. Tighten to manufacturer's specifications. (Figures 11, 12)

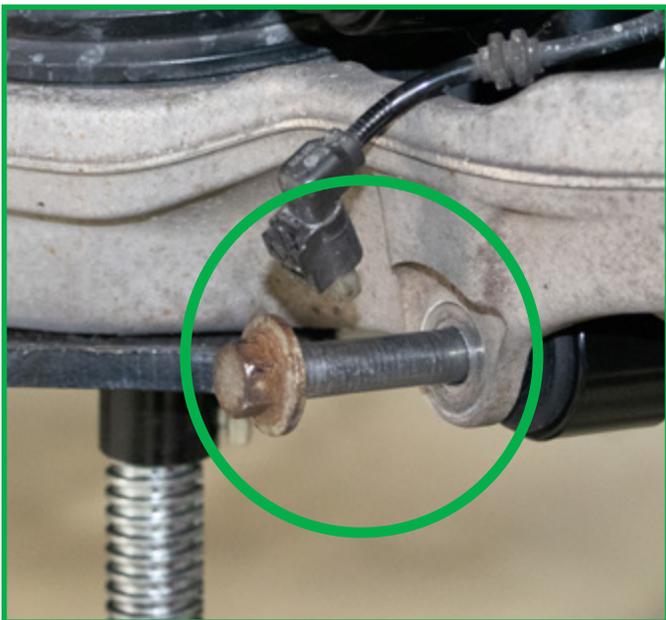


FIGURE 11

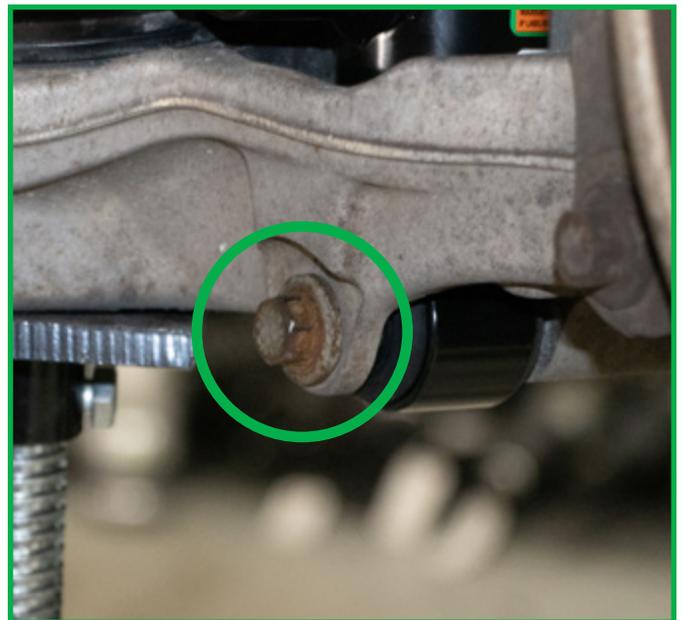


FIGURE 12

4. Reconnect the electrical connector. (Figure 13)

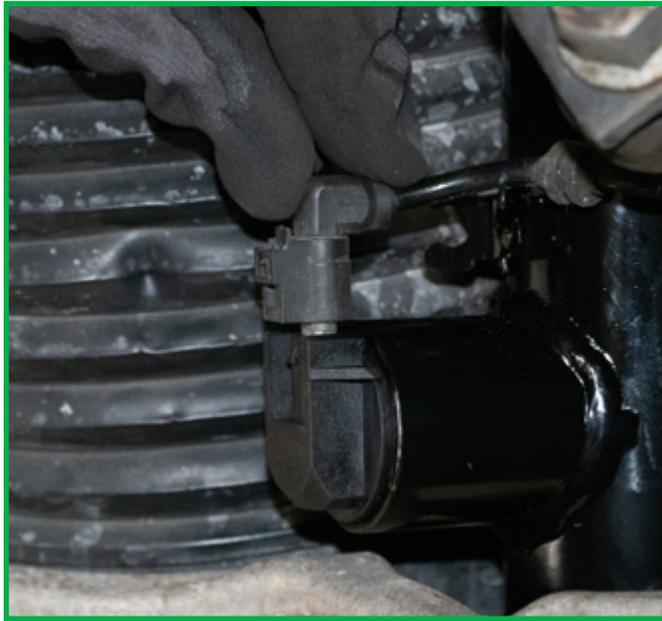


FIGURE 13

5. Inflate the suspension per manufacturer's specifications.
6. Reinstall the wheel. Tighten to manufacturer's specifications.

Arnott™

Suspension Products

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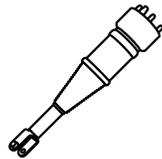
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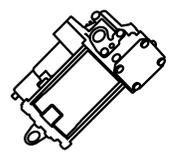
Air Springs



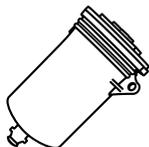
Struts



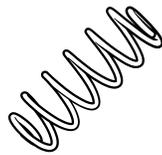
Shocks



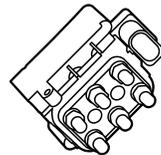
Compressors



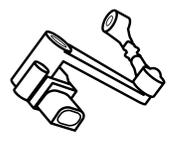
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors