Arnott®
Air Suspension Products

INSTALLATION MANUAL

AS-3285
Arnott New Rear Air Shock
Infiniti QX56/QX80 (Z62)
Nissan Armada (Y62)
LT/RT

Engineered to Ride, Built to Last®

CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® AIR 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.

For vehicles with 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. Raise vehicle and remove the applicable rear wheel. Note: Additional use of a hydraulic floor jack to support the axle individually may increase the ease of removal and installation. (Figure 1)

FIGURE 1

2. Disconnect the air line from the shock to deflate. (Figures 2, 3)

FIGURE 2

FIGURE 3

3. Remove the shock top mount nut. (Figures 4, 5)

FIGURE 4

FIGURE 5

4. Remove all washers and bushings from the top mount. They will be reused during installation. (Figure 6)

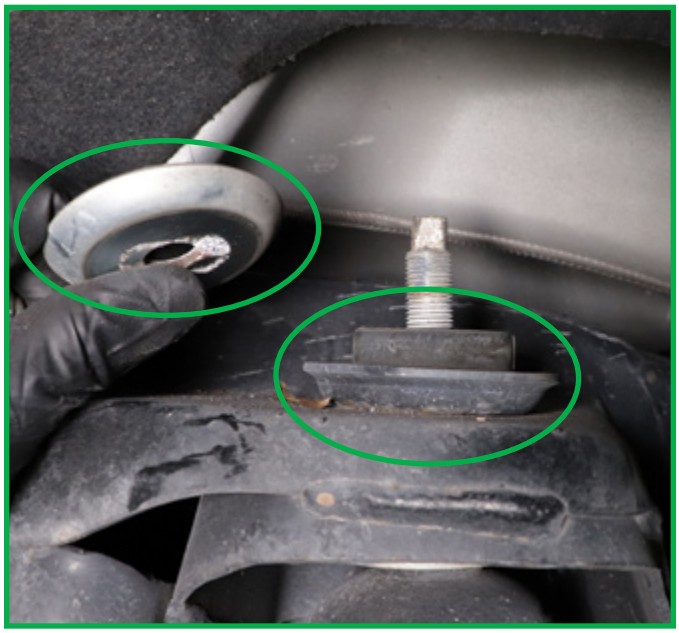

FIGURE 6

5. Remove the shock bottom mount bolt. (Figures 7, 8)

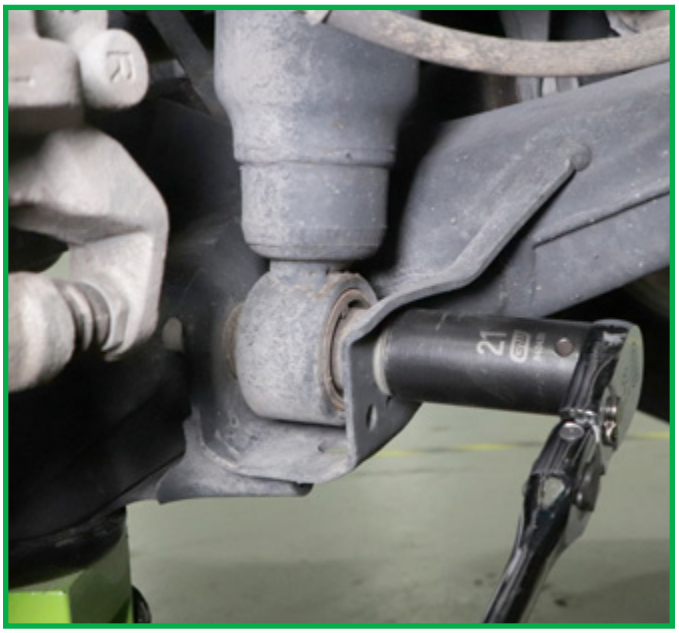

FIGURE 7

FIGURE 8

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

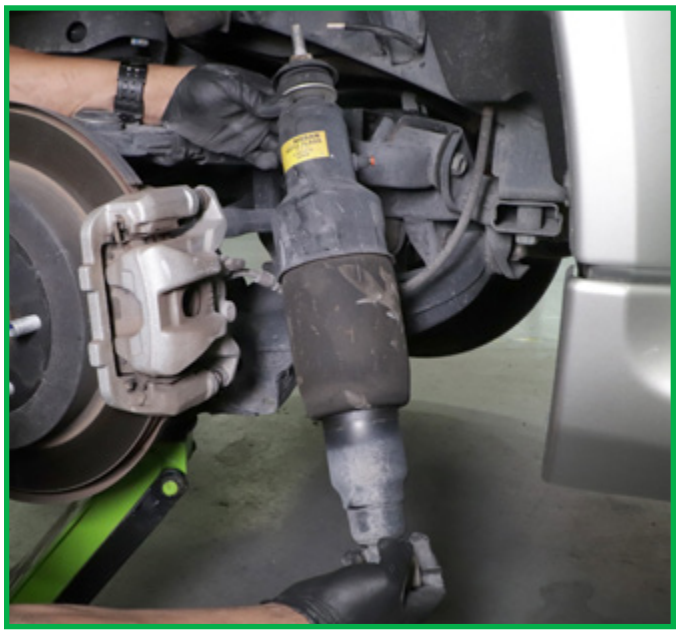

FIGURE 9

7. Remove the remaining washers and bushings from the shock for reuse. (Figures 10, 11)

FIGURE 10

FIGURE 11

8. Removal complete.

REAR SHOCK INSTALLATION

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

1. Reinstall the washers and bushings on the new shock in the same orientation as before. (Figures 12, 13, 14)

FIGURE 12

FIGURE 13

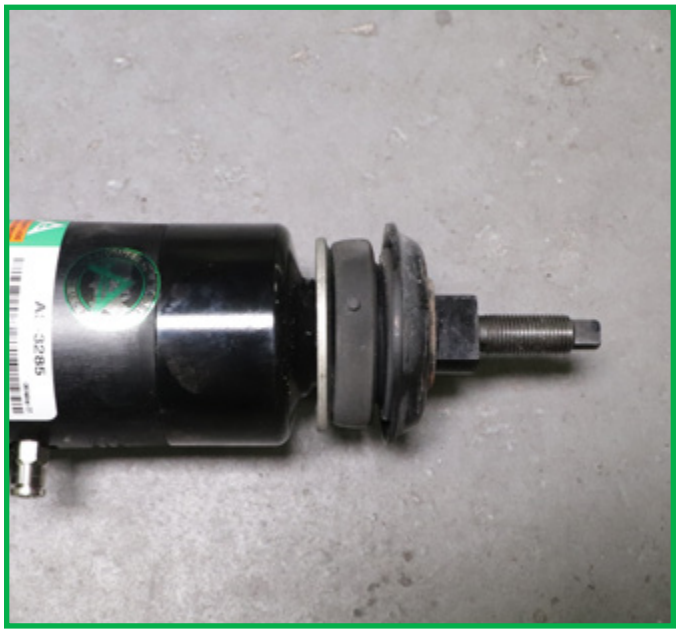

FIGURE 14

2. Install the new shock on the vehicle. (Figure 15)

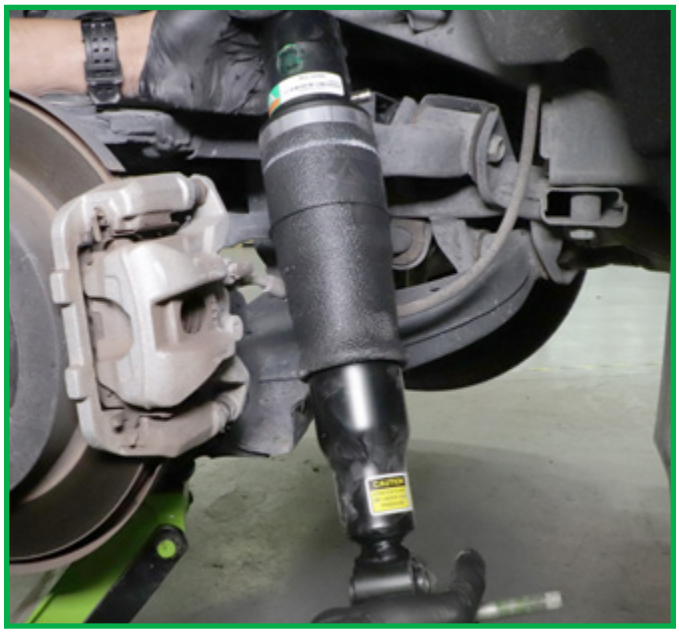

FIGURE 15

3. Reinstall the bottom mount bolt. Tighten to manufacturer's specifications. (Figures 16, 17)

FIGURE 16

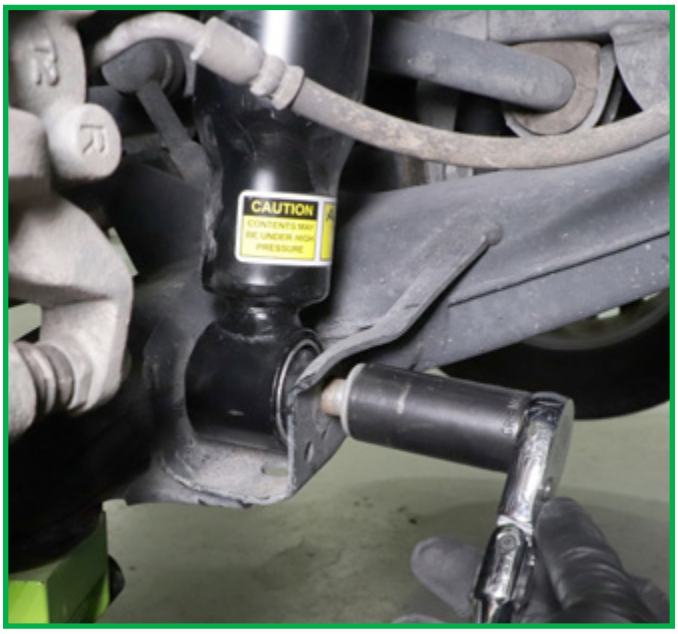

FIGURE 17

4. Reinstall the bushings and washers on to the top mount. (Figures 18, 19, 20)

FIGURE 18

FIGURE 19

FIGURE 20

5. Install the provided top mount nut. (Figures 21, 22)

FIGURE 21

FIGURE 22

6. Install the air line. Press in the air line firmly until it is completely seated. (Figures 23, 24)

FIGURE 23

FIGURE 24

7. Reinstall the applicable rear wheel.

8. Inflate the air spring per manufacturer's specifications.

9. Lower the vehicle.

10. Installation complete.

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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

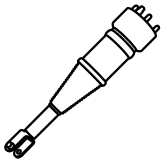
Arnott Europe Business Office:

www.arnotteurope.com

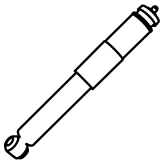
Docterskampstraat 1E/1F, 3
5222 AM 's-Hertogenbosch (NL)

NL Phone: +31 73 7850 580
DE Phone: +31 85 2087 438
UK Phone: +44 203 3186 124
BE Phone: +32 258 846 90
ES Phone: +34 91 901 10 56
FR Phone: +33 18 626 72 41
Email: info@arnotteurope.com

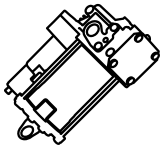
Air Springs



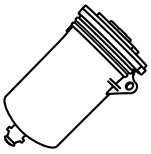
Struts



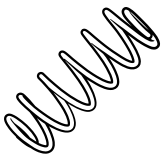
Shocks



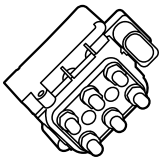
Compressors



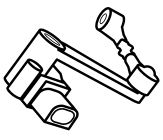
Dryers



Coil Spring Conversion Kits



Valve Blocks



Ride Height Sensors