



INSTALLATION MANUAL

SK-4007 Arnott New Rear Shock Ram 1500 (DS w/Air)



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.

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

NOTE: REFER TO THE SERVICE MANUAL FOR PROPER DEFLATION PROCEDURE.

1. Deflate applicable air spring per manufacturer's specifications. Refer to the vehicle's service manual.
2. Raise vehicle and remove the applicable rear wheel. (Figure 1)

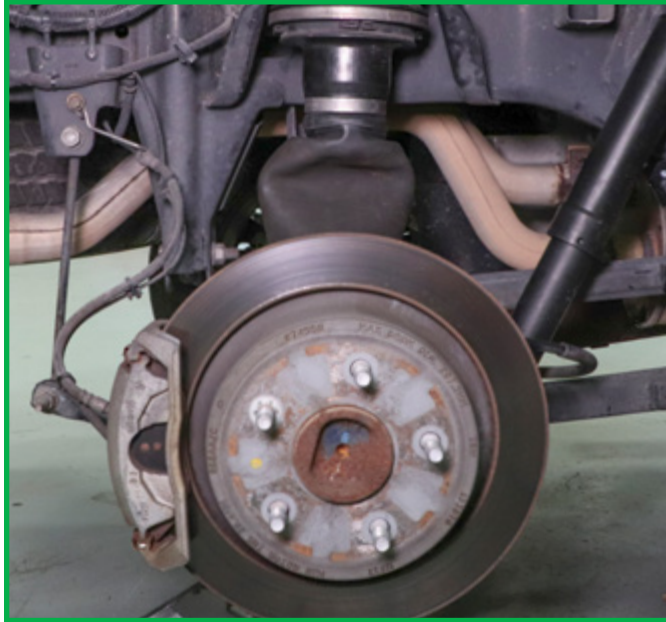


FIGURE 1

3. Remove wheel well liner. (Figure 2)



FIGURE 2

4. Use a stand or hydraulic jack to support the rear axle. (Figure 3)

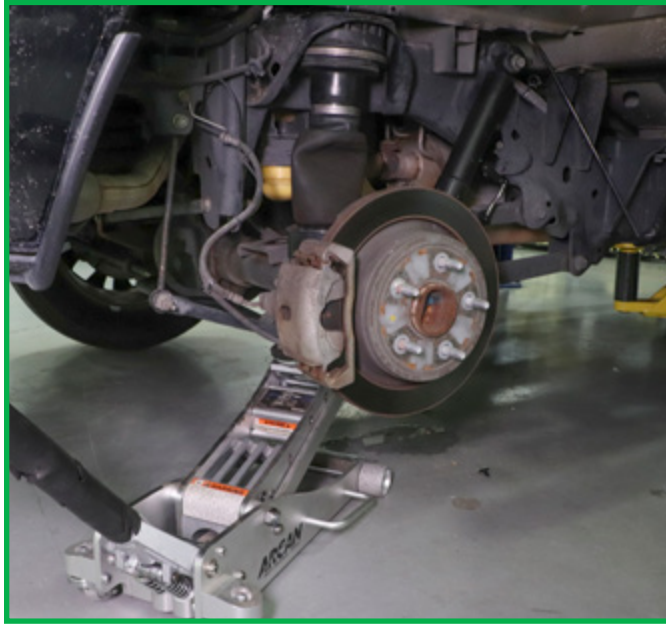


FIGURE 3

5. Remove upper shock bolt. (Figures 4, 5)



FIGURE 4



FIGURE 5

6. Remove the lower shock bolt. (Figures 6, 7)



FIGURE 6



FIGURE 7

7. Remove shock. (Figure 8)

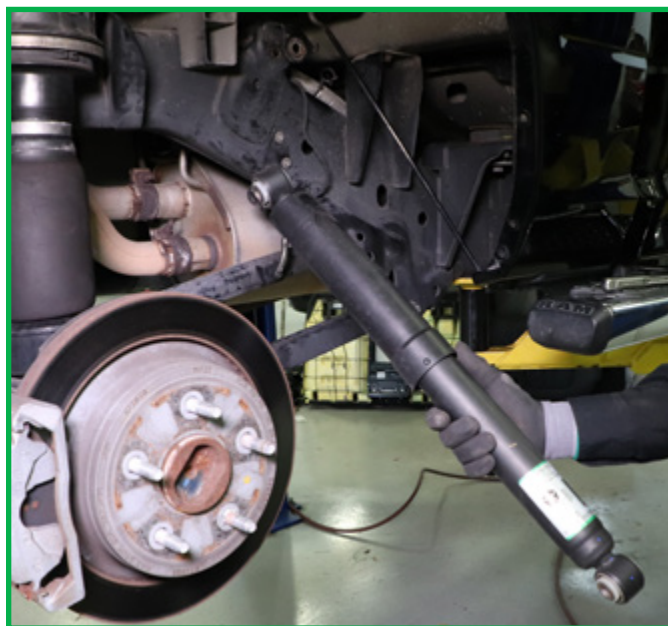


FIGURE 8

8. Removal complete.

REAR ARNOTT SHOCK INSTALLATION

1. Install the Arnott shock and upper shock bolt and tighten to manufacturer's specifications. (Figures 9, 10)



FIGURE 9

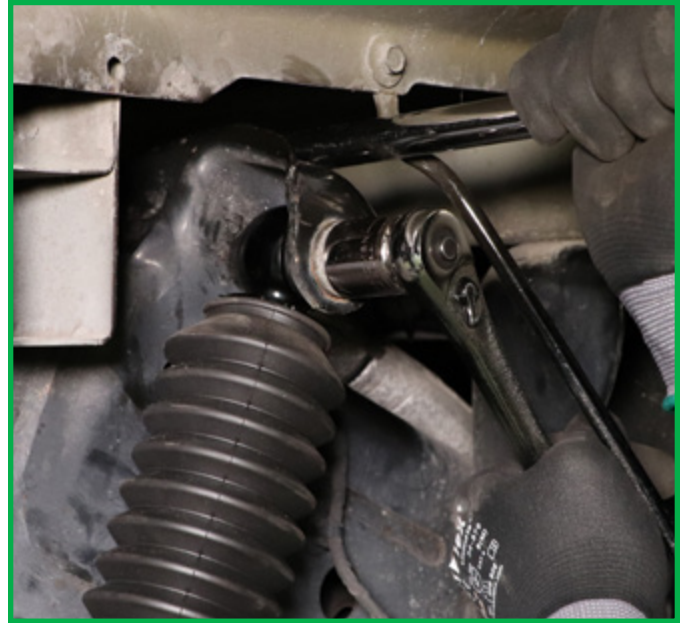


FIGURE 10

2. Install lower shock bolt and nut. Tighten to manufacturer's specifications. (Figures 11, 12) then remove stand or hydraulic jack supporting the rear axle.



FIGURE 11

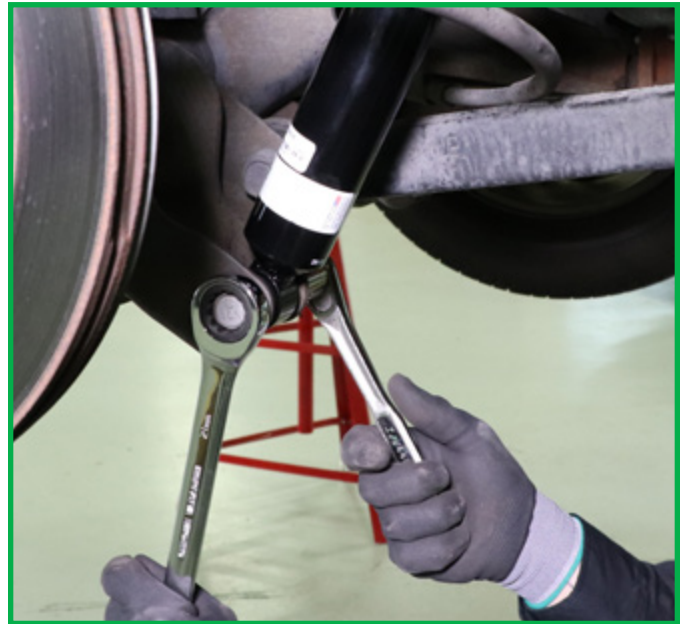


FIGURE 12

3. Reinstall the wheel well liner. (Figure 13)



FIGURE 13

NOTE: REFER TO THE SERVICE MANUAL FOR PROPER INFLATION PROCEDURE.

4. Inflate applicable air spring to manufacturer's specifications. Use the manufacturer's procedures to fill the closed air system as needed.
5. Reinstall applicable wheel.
6. Lower vehicle.
7. 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

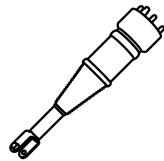
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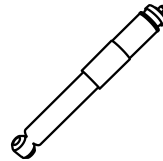
Email: info@arnotteurope.com



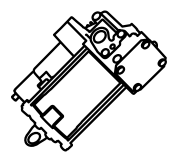
Air Springs



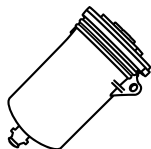
Struts



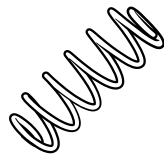
Shocks



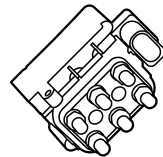
Compressors



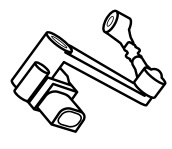
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors