



INSTALLATION MANUAL

P-3785

Arnott Air Suspension Compressor
Lexus GX470/Toyota Land Cruiser Prado (J120),
Toyota 4Runner (N210)



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.

AIR SUSPENSION COMPRESSOR REMOVAL

1. Set steering to straight ahead.
2. Raise vehicle.
3. Remove the left rear wheel and fender well. (Figure 1)



FIGURE 1

4. Remove the rear flap. (Figures 2, 3, 4)



FIGURE 2

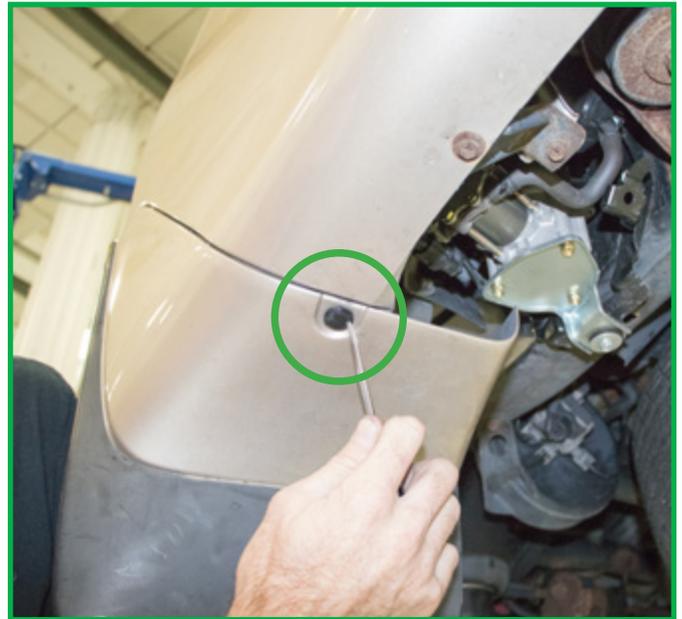


FIGURE 3



FIGURE 4

5. Remove the pump cover. (Figures 5, 6)



FIGURE 5



FIGURE 6

6. Disconnect the air line and filter hose. (Figures 7, 8)

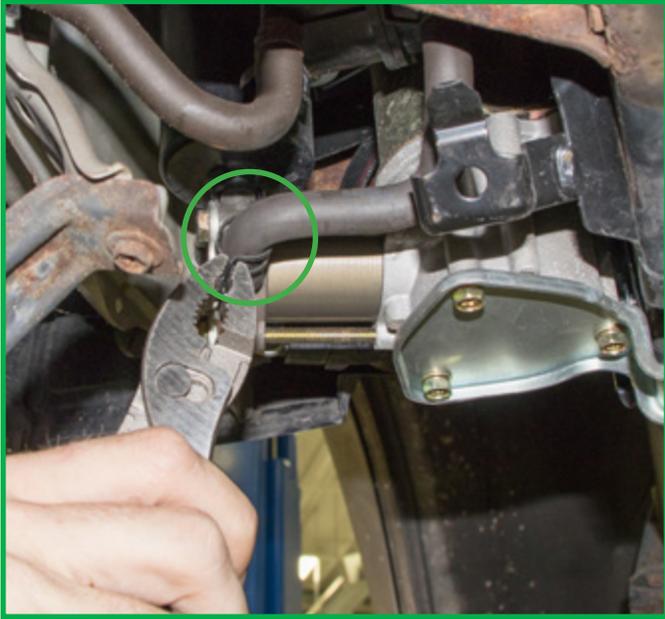


FIGURE 7



FIGURE 8

7. Disconnect the lower electrical plug. (Figure 9)

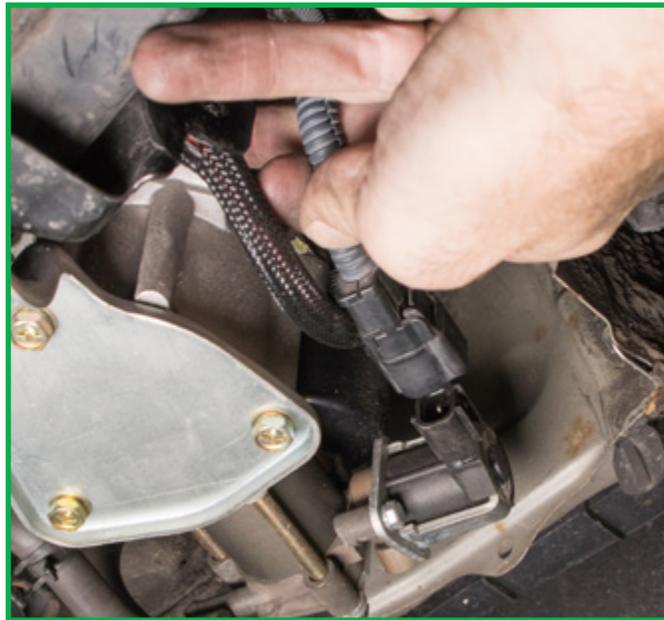


FIGURE 9

8. Loosen and remove the three bolts from the pump bracket. (Figures 10, 11, 12)

NOTE: The third bolt is located atop the frame.

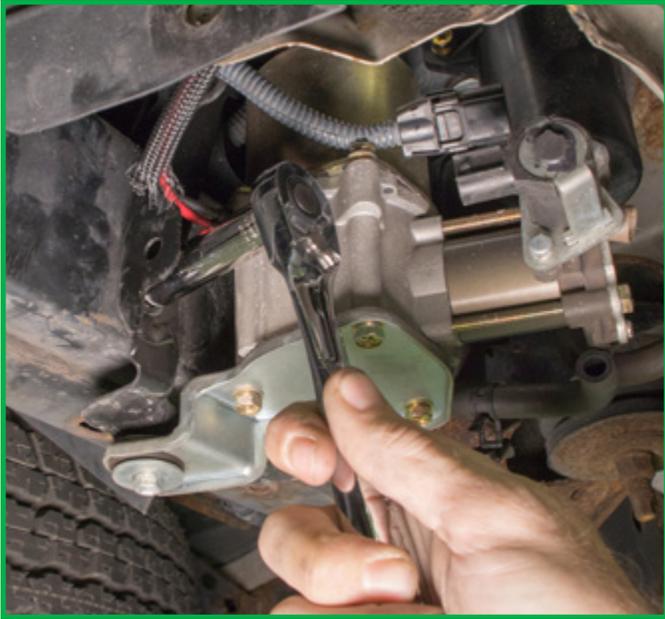


FIGURE 10

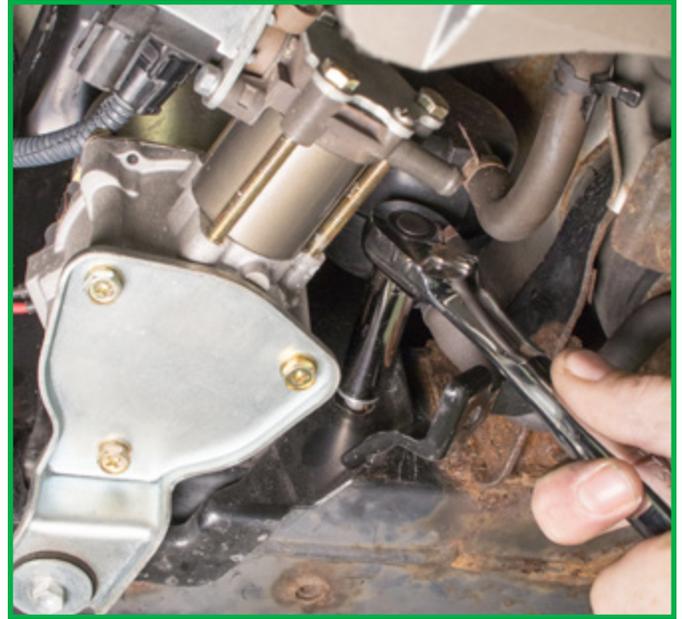


FIGURE 11



FIGURE 12

9. Loosen and remove the pump filter bolts and remove the pump filter. (Figure 13)



FIGURE 13

10. Loosen and remove the three compressor bracket bolts and remove the compressor from the bracket. (Figures 14, 15, 16, 17)



FIGURE 14



FIGURE 15



FIGURE 16



FIGURE 17

11. Disconnect the upper electrical plug. (Figure 18)



FIGURE 18

12. Remove the air hose from the dryer. (Figure 19)



FIGURE 19

13. Remove the bracket. (Figure 20)



FIGURE 20

14. Removal complete.

AIR SUSPENSION COMPRESSOR INSTALLATION

1. Reinstall the mounting bracket. (Figures 21, 22)



FIGURE 21



FIGURE 22

2. Reconnect the upper electrical plug. (Figure 23)



FIGURE 23

3. Install the air line to the dryer. (Figure 24)

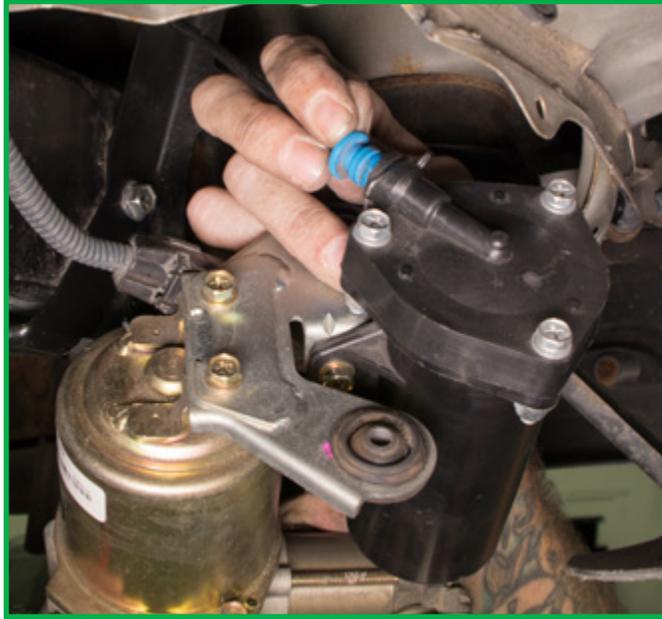


FIGURE 24

4. Install the compressor into the vehicle and secure it to the mounting bracket with the three compressor bracket bolts and tighten to manufacturer's specifications. (Figures 25, 26, 27)



FIGURE 25



FIGURE 26



FIGURE 27

5. Reinstall the pump filter using the pump filter bolts and tighten to manufacturer's specifications. (Figures 28, 29)



FIGURE 28



FIGURE 29

6. Reconnect the lower electrical plug. (Figure 30)



FIGURE 30

7. Reinstall the filter hose to the compressor and secure with a hose clamp. (Figure 31)

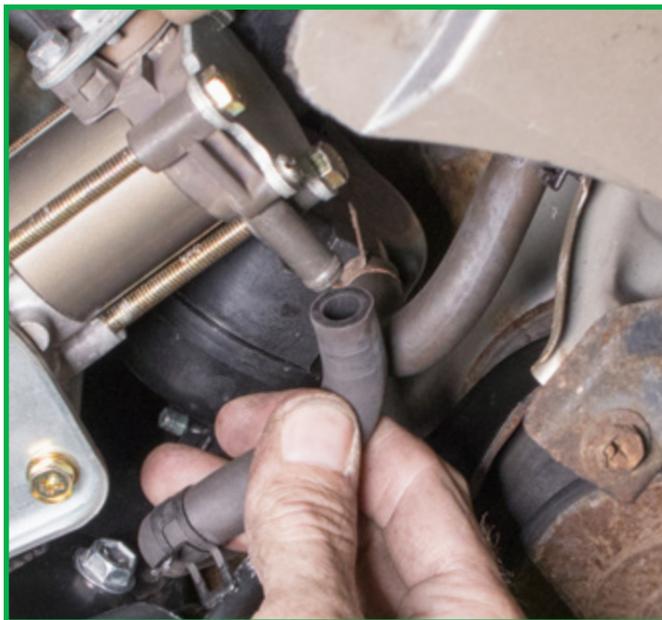


FIGURE 31

8. Reinstall the air line to the vehicle and secure with a hose clamp. (Figure 32)



FIGURE 32

9. Reinstall the pump cover. (Figure 33)



FIGURE 33

10. Reinstall the rear flap. (Figures 34)



FIGURE 34

11. Reinstall the fender well.
12. Reinstall the wheel.
13. Lower the vehicle
14. Installation complete.

RELAY INSTALLATION

1. Under the hood, remove the fuse box cover and install the relay as depicted below. (Figure 35)

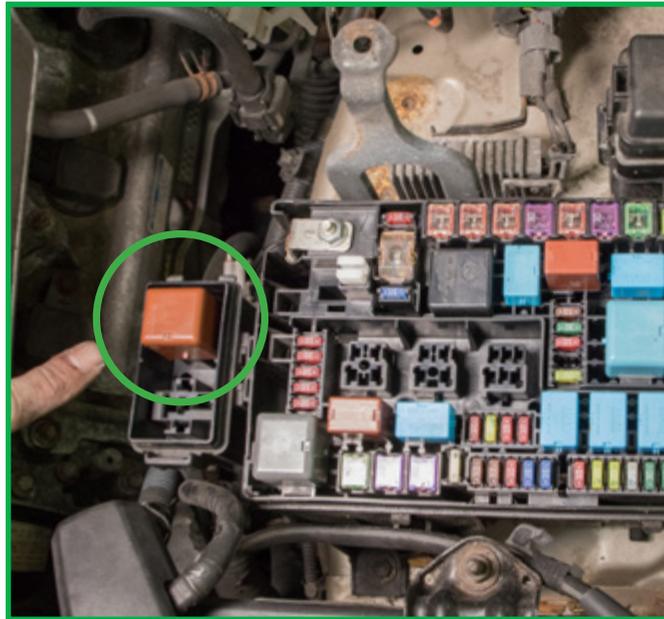


FIGURE 35

2. Relay installation complete.

Arnott™

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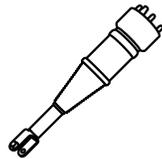
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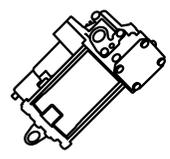
Air Springs



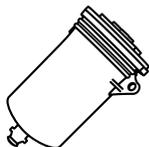
Struts



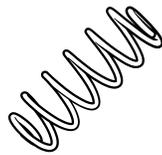
Shocks



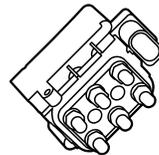
Compressors



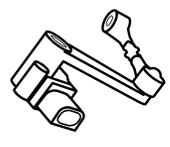
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors