



INSTALLATION MANUAL

P-3482

Arnott New Air Suspension Compressor
Lexus LS 460/460L (USF40, USF41, USF45, USF46)



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 right front wheel and fender well. (Figure 1)



FIGURE 1

4. Remove the air intake assembly from the vehicle. (Figure 2)



FIGURE 2

5. Remove the electrical connector. (Figure 3)



FIGURE 3

6. Remove the air line from the dryer. (Figure 4)

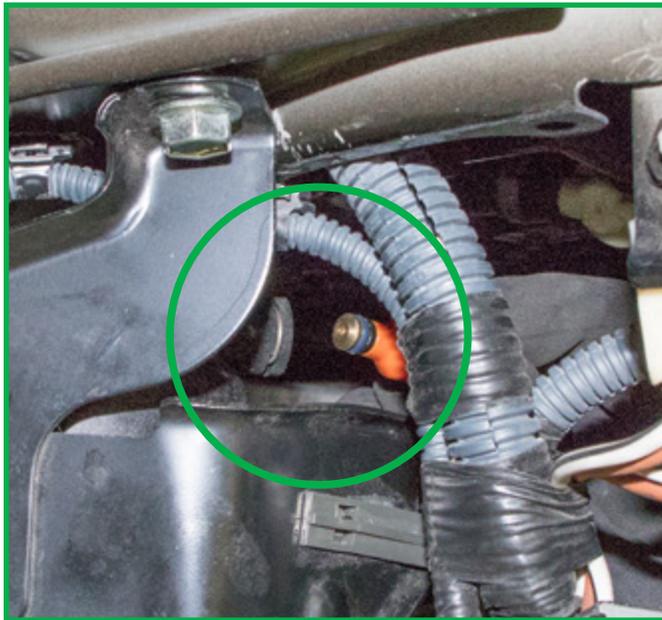


FIGURE 4

7. Remove the air line from the compressor. (Figure 5)



FIGURE 5

NOTE: The exhaust may be loosened from the rubber isolators to allow more flexibility during removal.

8. Loosen and remove the three bolts from the compressor as illustrated below. (Figures 6, 7, 8)

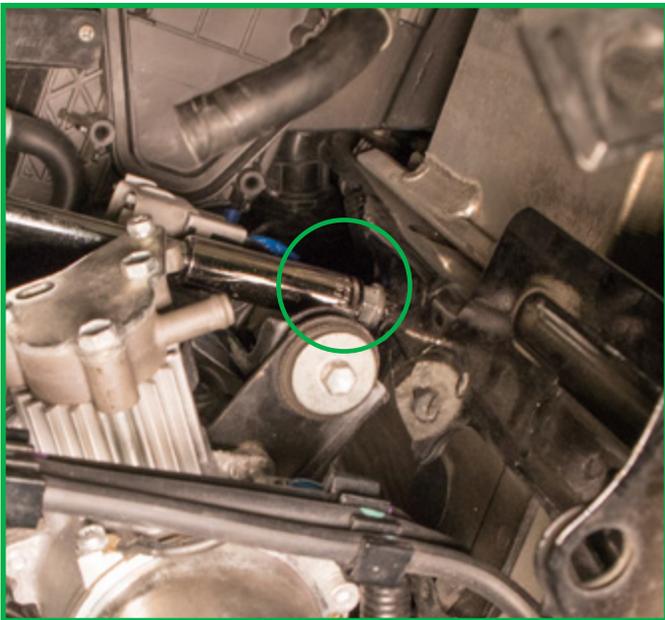


FIGURE 6

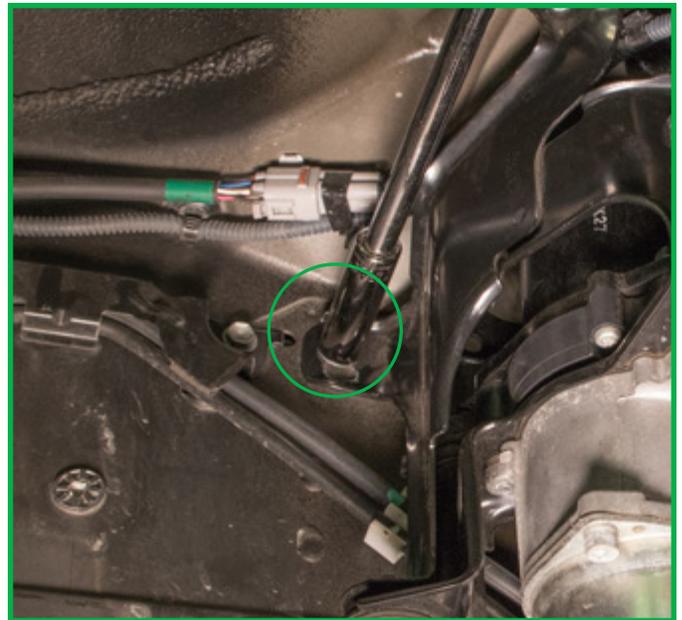


FIGURE 7

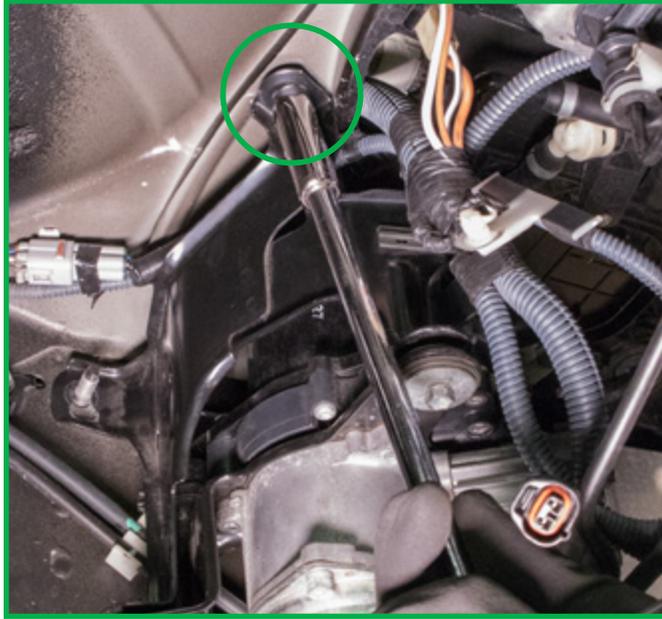


FIGURE 8

9. Remove the compressor from the vehicle. (Figure 9)

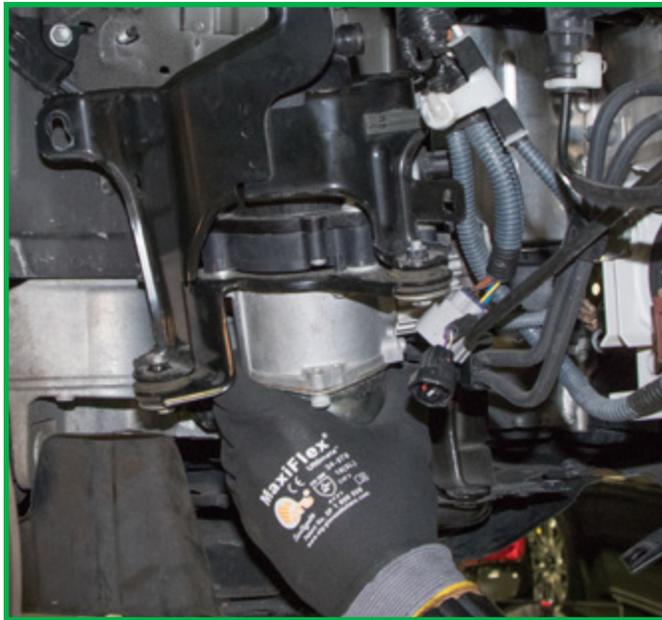


FIGURE 9

10. Removal complete.

AIR SUSPENSION COMPRESSOR DISASSEMBLY

1. Remove the three bolts from the compressor bracket. (Figure 10)



FIGURE 10

2. Remove the three rubber isolators from the bracket holes. (Figure 11)



FIGURE 11

3. Disconnect the electrical connector from the bracket. (Figure 12)



FIGURE 12

4. Disassembly complete.

AIR SUSPENSION COMPRESSOR ASSEMBLY

1. Attach the bracket to the compressor using the three bolts and isolators. (Figures 13, 14)



FIGURE 13

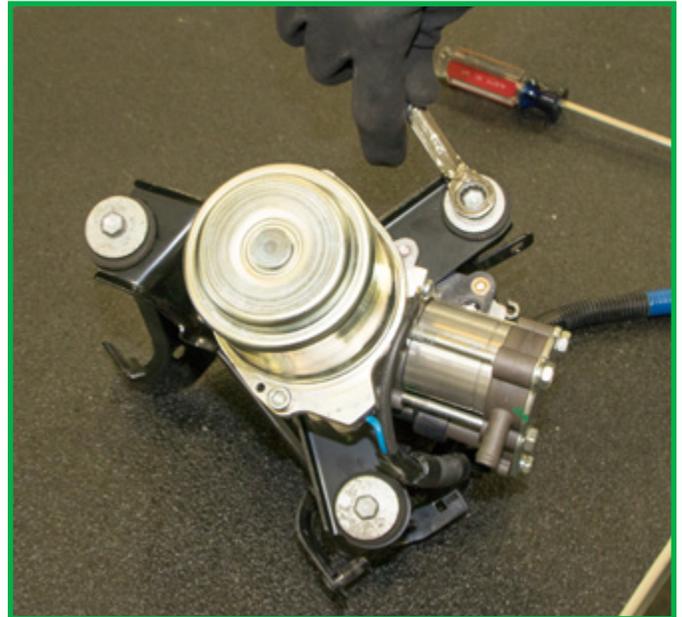


FIGURE 14

2. Assembly complete.

AIR SUSPENSION COMPRESSOR INSTALLATION



WARNING:

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



WARNING:

Do not remove the air fitting from the air suspension compressor. Doing so may cause damage or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully secure.

NOTE: The exhaust may be loosened from the rubber isolators to allow more flexibility during removal.

1. Install the compressor into the vehicle. Reinstall the three bolts and tighten to manufacturer's specifications. (Figures 15, 16)

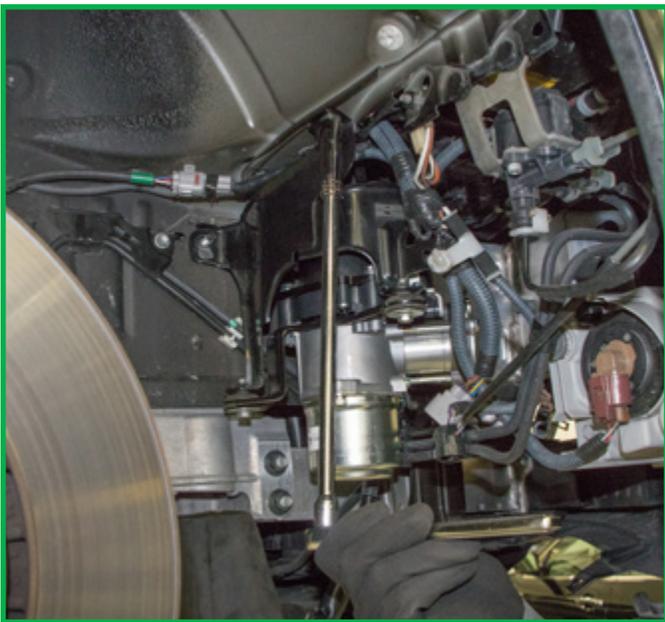


FIGURE 15



FIGURE 16

2. Reinstall the electrical connector. (Figure 17)

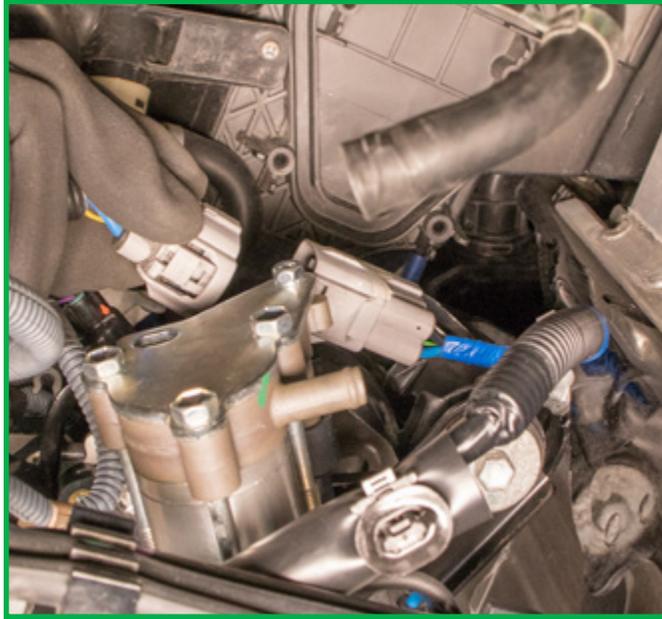


FIGURE 17

3. Reconnect the air line to the dryer. (Figure 18)



FIGURE 18

4. Reconnect the air line to the compressor. (Figure 19)



FIGURE 19

5. Reinstall the air intake assembly. (Figure 20)



FIGURE 20

6. Reinstall the fender well.
7. Reinstall the wheel.
8. Lower the vehicle
9. Installation complete.



WARNING



**CRACKED AIR SPRINGS MUST BE CHANGED
TO VALIDATE THE WARRANTY ON THE COMPRESSOR**

PLEASE READ ADDITIONAL WARRANTY INFORMATION ON THE BACK OF YOUR INVOICE



PROPER PROCEDURE FOR ASSESSING YOUR AIR SPRING'S CONDITION

1. Turn off air suspension switch if equipped.
2. Refer to owner's manual for proper lifting techniques and jacking points.
3. Raise the vehicle.
4. Inspect air springs for any type of cracks or excessive wear. Cracks in air springs are evident if they are leaking. This will cause the compressor to overheat from continuous operation.

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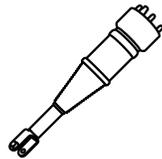
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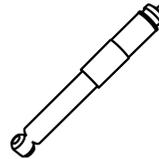
Email: info@arnotteurope.com



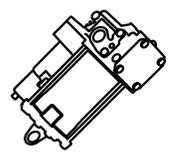
Air Springs



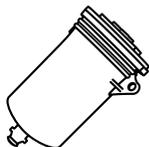
Struts



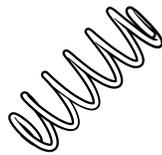
Shocks



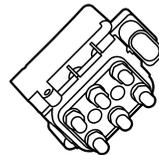
Compressors



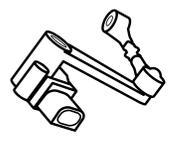
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors