

# Installation Manual

P-3187  
ARNOTT  
AIR SUSPENSION COMPRESSOR  
LEXUS LS430 (XF30)



Congratulations on your purchase of an Arnott® air suspension product. We at Arnott Incorporated are proud to offer a high quality product at the industry's most competitive pricing. 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, ASE Certified, 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.

## "Engineered to Ride, Built to Last®"



**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.*

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott.

## GENERAL INFORMATION:

*Reading this manual signifies your agreement to the terms of the general release, waiver of liability, and hold harmless agreement.*

- Not to be stored below 5°F (-15°C) or 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.*

## AIR SUSPENSION COMPRESSOR REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. RAISE VEHICLE.
3. REMOVE THE RIGHT REAR WHEEL AND FENDER WELL. (FIGURE 1)



FIGURE 1

4. DISCONNECT THE RUBBER HOSE FROM THE MANIFOLD. (FIGURE 2)



FIGURE 2

5. DISCONNECT THE AIR HOSE FROM THE DRYER. (FIGURE 3)

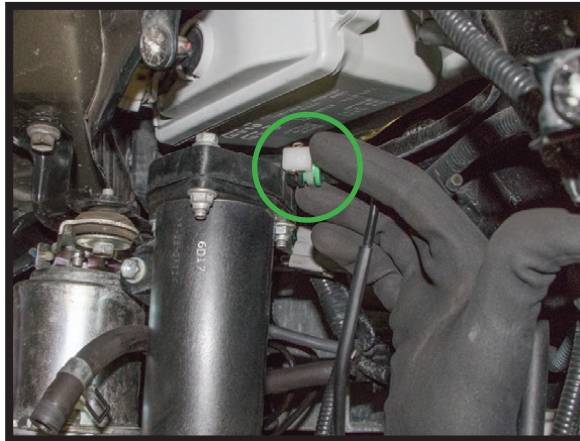


FIGURE 3

6. DISCONNECT THE ELECTRICAL. (FIGURE 4)

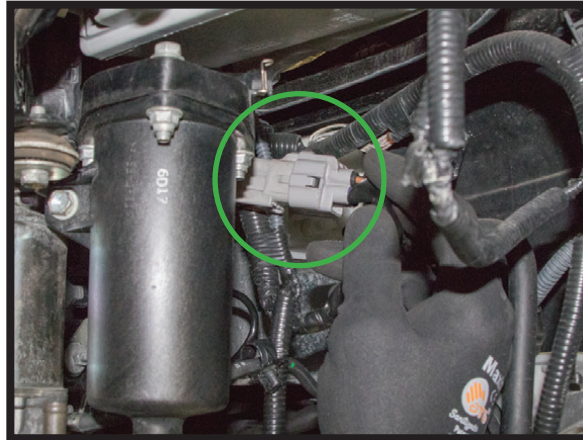


FIGURE 4

7. DISCONNECT THE COMPRESSOR'S AIR HOSE. (FIGURE 5)



FIGURE 5



8. DISCONNECT THE ELECTRICAL FROM THE COMPRESSOR. (FIGURE 6)



FIGURE 6

9. LOOSEN AND REMOVE THE THREE BOLTS AND NUT FROM THE COMPRESSOR BRACKET. (FIGURES 7, 8, 9)



FIGURE 7

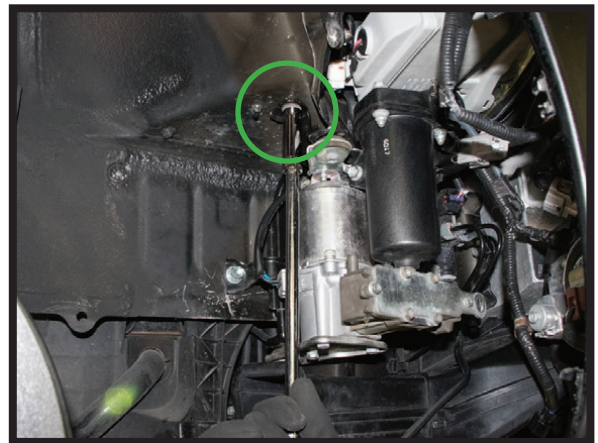


FIGURE 8



FIGURE 9

10. REMOVE THE COMPRESSOR FROM THE VEHICLE. (FIGURE 10)



FIGURE 10

11. REMOVAL COMPLETE.

## AIR SUSPENSION COMPRESSOR DISASSEMBLY

1. LOOSEN AND REMOVE THE THREE BOLTS FROM THE COMPRESSOR BRACKET AND SAVE THE TWO UNDERLYING RUBBER MOUNTS FOR LATER USE. (FIGURE 11)

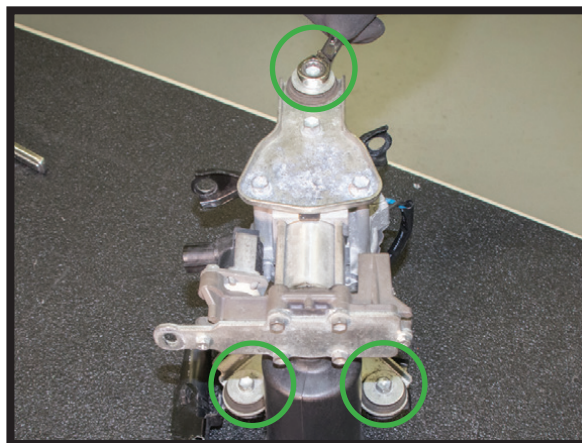


FIGURE 11



2. REMOVE THE ELECTRICAL FROM THE COMPRESSOR BRACKET. (FIGURE 12)



FIGURE 12

3. LOOSEN AND REMOVE BOLT HOLDING THE DRYER TO THE COMPRESSOR. REMOVE THE DRYER. (FIGURES 13, 14)

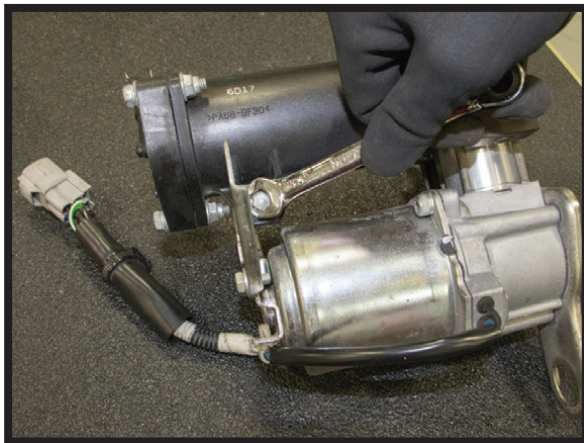


FIGURE 13



FIGURE 14

4. REMOVE THE WIRE CLIPS FROM THE COMPRESSOR AND SAVE FOR LATER USE. (FIGURE 15)

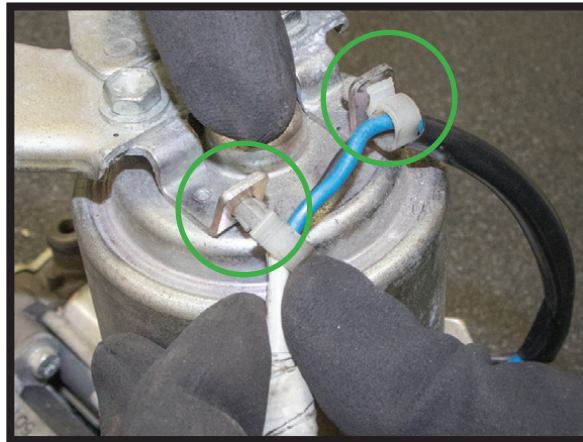


FIGURE 15

5. DISASSEMBLY COMPLETE.

## AIR SUSPENSION COMPRESSOR ASSEMBLY

1. SECURE THE WIRES ON THE NEW COMPRESSOR WITH THE SAVED WIRE CLIPS. (FIGURE 16)



FIGURE 16



2. INSTALL THE DRYER ONTO THE COMPRESSOR. (FIGURE 17)



FIGURE 17

3. REINSTALL THE DRYER BOLT, TIGHTENING TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 18)

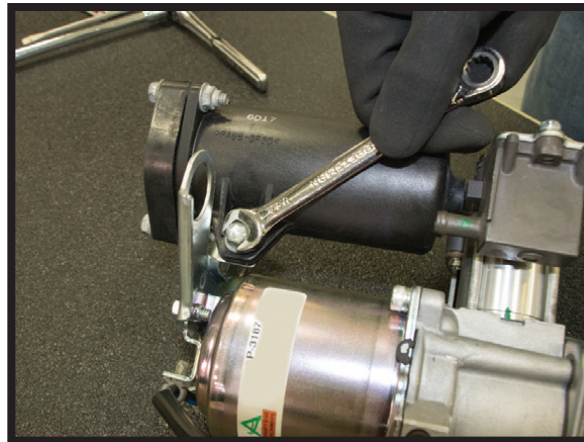


FIGURE 18

4. REINSTALL THE SAVED RUBBER ISOLATORS. (FIGURE 19)

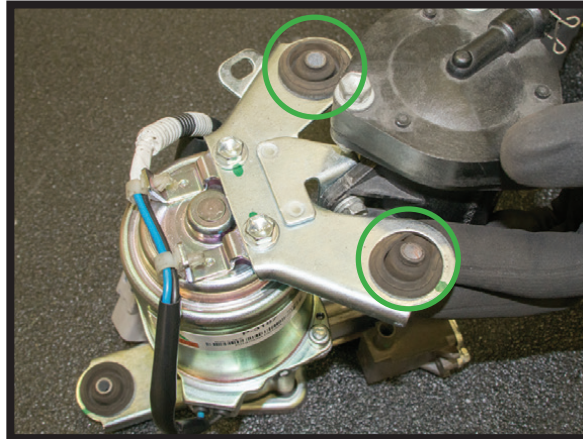


FIGURE 19

5. REINSTALL THE THREE BRACKET BOLTS AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 20)

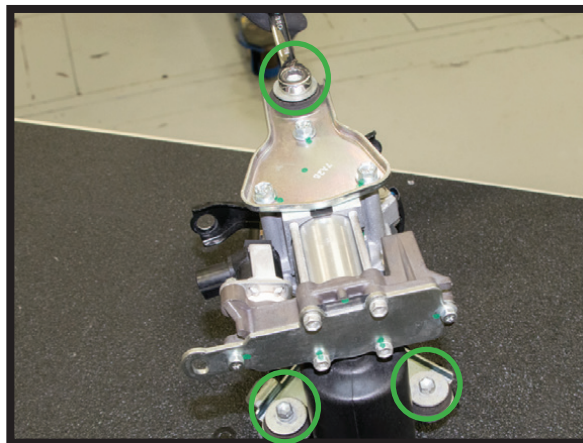


FIGURE 20

6. REINSTALL THE ELECTRICAL ONTO THE BRACKET. (FIGURE 21)



FIGURE 21

7. ASSEMBLY COMPLETE.

## AIR SUSPENSION COMPRESSOR INSTALLATION



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



*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 FOR MORE FLEXIBILITY DURING INSTALLATION.

1. INSTALL THE COMPRESSOR INTO THE VEHICLE. REINSTALL THE THREE BOLTS AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 22, 23)



FIGURE 22

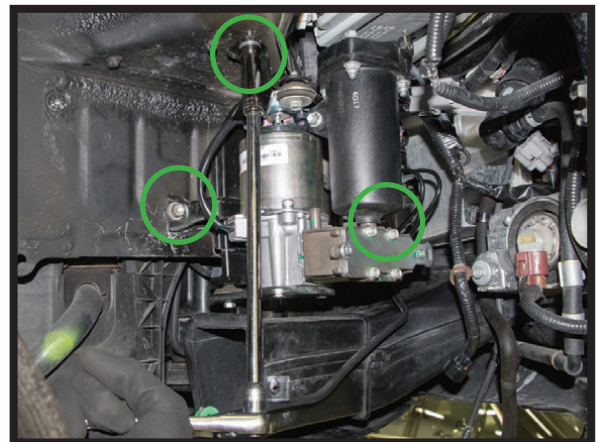


FIGURE 23



2. REINSTALL THE ELECTRICAL. (FIGURE 24)

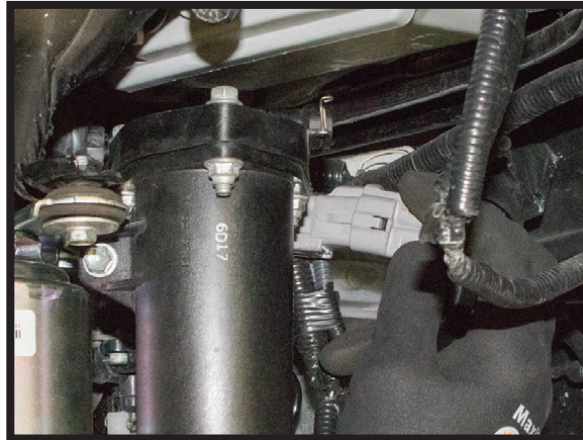


FIGURE 24

3. RECONNECT THE ELECTRICAL FROM THE COMPRESSOR. (FIGURE 25)

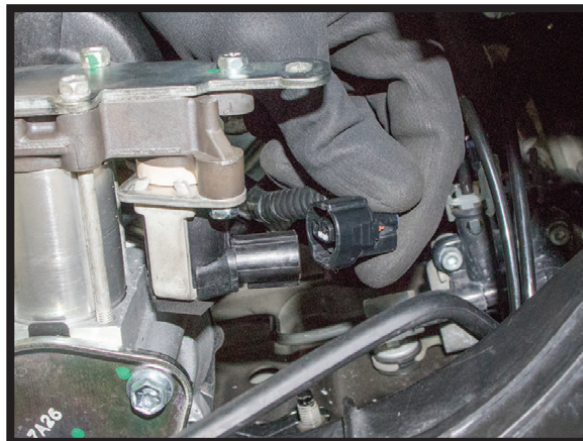


FIGURE 25

4. REINSTALL THE COMPRESSOR'S AIR HOSE. (FIGURE 26)

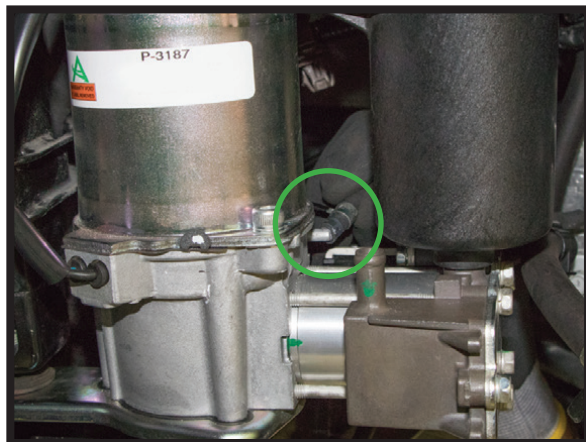


FIGURE 26

5. REINSTALL THE RUBBER HOSE ONTO THE MANIFOLD. (FIGURE 27)

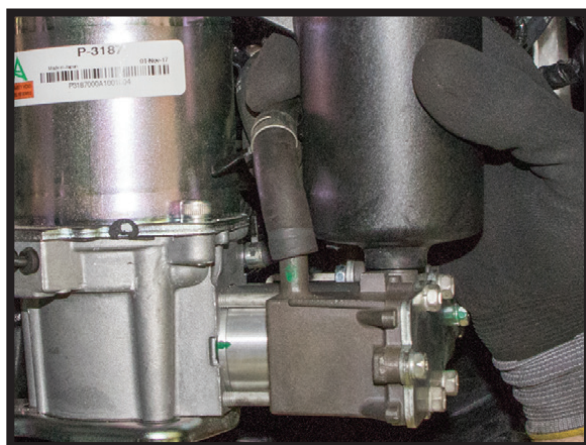


FIGURE 27

6. REINSTALL THE AIR HOSE INTO THE DRYER. (FIGURE 28)

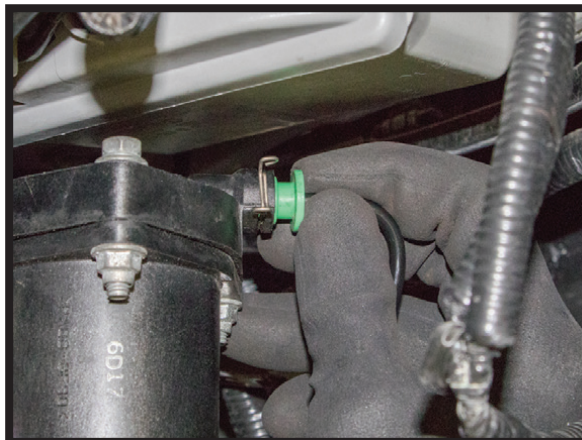


FIGURE 28

7. REINSTALL THE FENDER WELL.  
8. REINSTALL THE WHEEL.  
9. LOWER THE VEHICLE  
10. INSTALLATION COMPLETE.