

Installation Manual

**P-3192
ARNOTT
AIR SUSPENSION COMPRESSOR
LEXUS GX470 (J120)**



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 by calling **800-251-8993** during normal business hours or email techassistance@arnottinc.com. (In the EU please call +31 (0)73 7850 580 or email info@arnotteurope.com)

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.

- 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 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

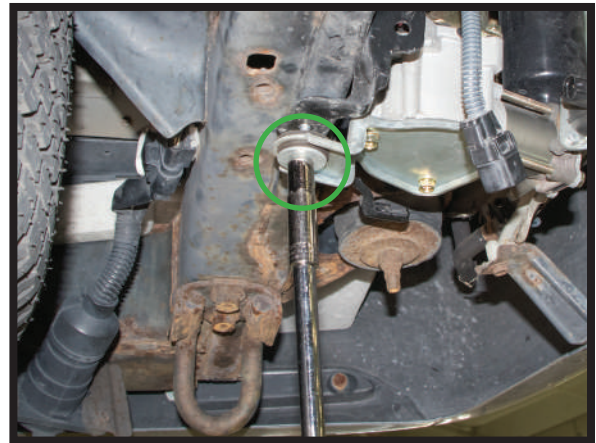


FIGURE 15

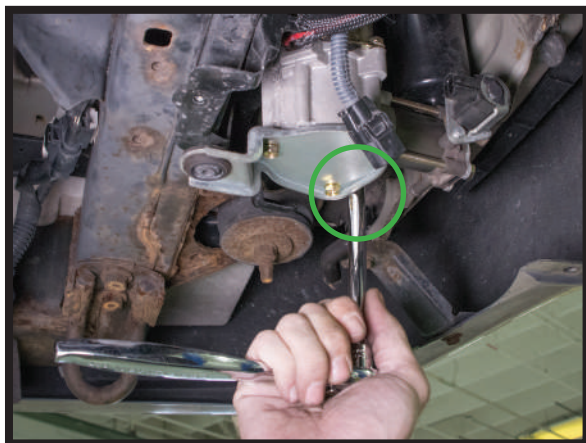


FIGURE 16



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 DISASSEMBLY

1. REMOVE THE DRYER BOLT. (FIGURE 21)

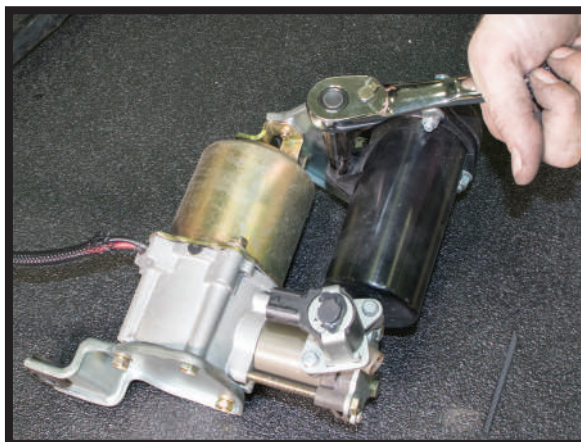


FIGURE 21

2. REMOVE THE DRYER. (FIGURE 22)

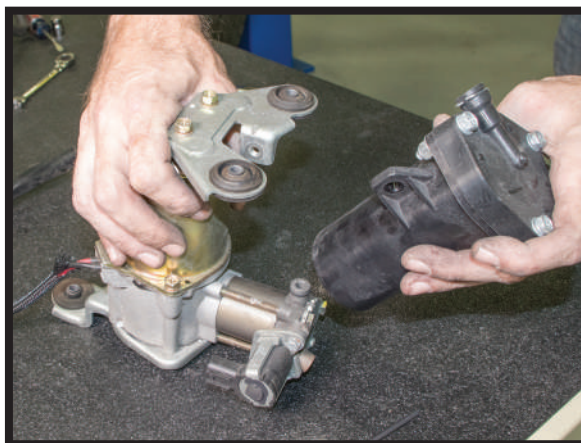


FIGURE 22

3. REMOVE THE THREE RUBBER ISOLATORS AND SAVE FOR LATER USE. (FIGURES 23, 24, 25)



FIGURE 23

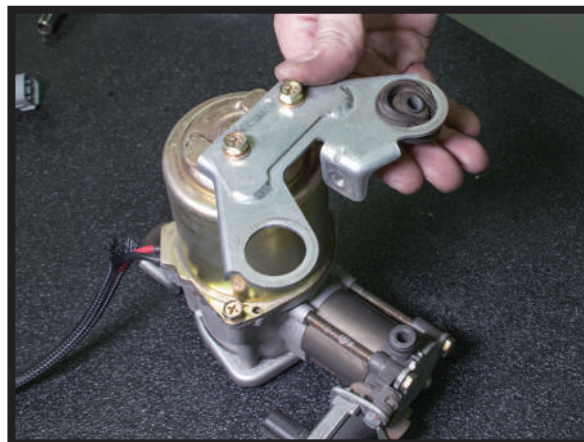


FIGURE 24



FIGURE 25

4. DISASSEMBLY COMPLETE.

AIR SUSPENSION COMPRESSOR ASSEMBLY

1. INSTALL THE THREE SAVED RUBBER ISOLATORS ONTO THE COMPRESSOR. (FIGURES 26, 27)



FIGURE 26



FIGURE 27

2. INSTALL THE DRYER. (FIGURE 28)



FIGURE 28

3. INSTALL THE DRYER BOLT AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS.
(FIGURE 29)

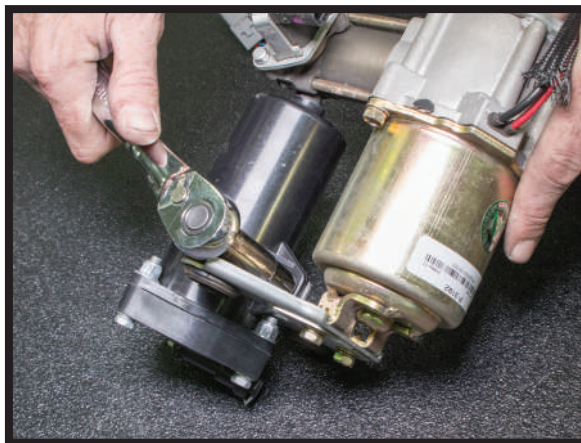


FIGURE 29

4. ASSEMBLY COMPLETE.

AIR SUSPENSION COMPRESSOR ASSEMBLY

1. REINSTALL THE MOUNTING BRACKET. (FIGURES 30, 31)



FIGURE 30



FIGURE31

2. RECONNECT THE UPPER ELECTRICAL PLUG. (FIGURE 32)



FIGURE 32

3. INSTALL THE AIR LINE TO THE DRYER. (FIGURE 33)

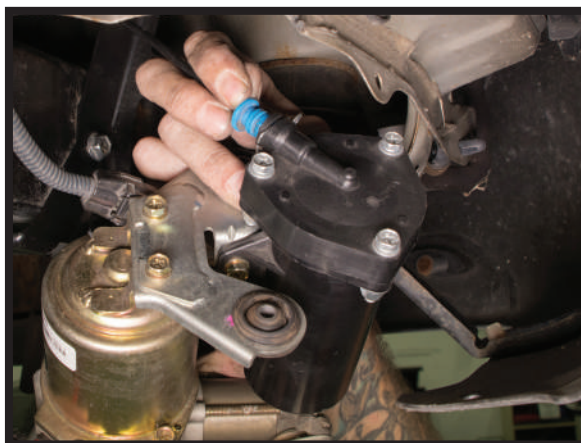


FIGURE 33

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 34, 35, 36)

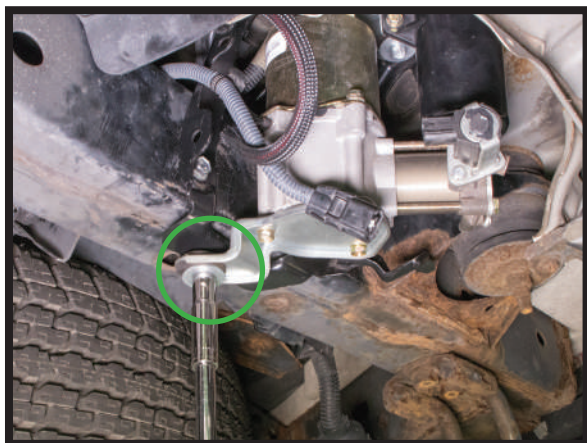


FIGURE 34



FIGURE 35



FIGURE 36

5. REINSTALL THE PUMP FILTER USING THE PUMP FILTER BOLTS AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 37, 38)

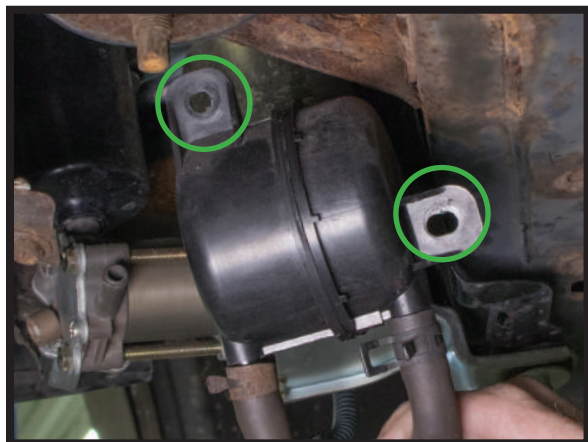


FIGURE 37

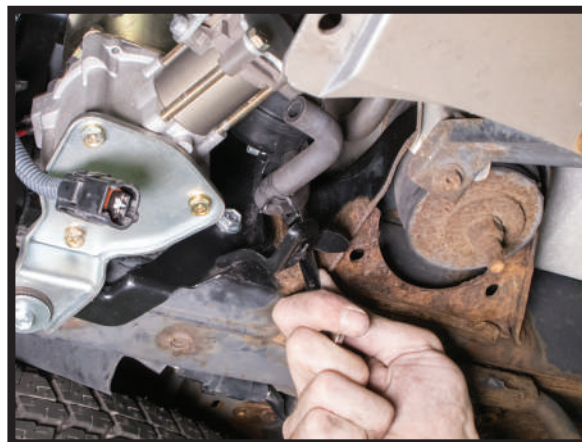


FIGURE 38

6. RECONNECT THE LOWER ELECTRICAL PLUG. (FIGURE 39)



FIGURE 39

7. REINSTALL THE FILTER HOSE TO THE COMPRESSOR AND SECURE WITH A HOSE CLAMP. (FIGURES 40)



FIGURE 40

8. REINSTALL THE AIR LINE TO THE VEHICLE AND SECURE WITH A HOSE CLAMP. (FIGURE 41)



FIGURE 41

9. REINSTALL THE PUMP COVER. (FIGURES 42)



FIGURE 42

10. REINSTALL THE REAR FLAP. (FIGURES 43)



FIGURE 43

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 44)

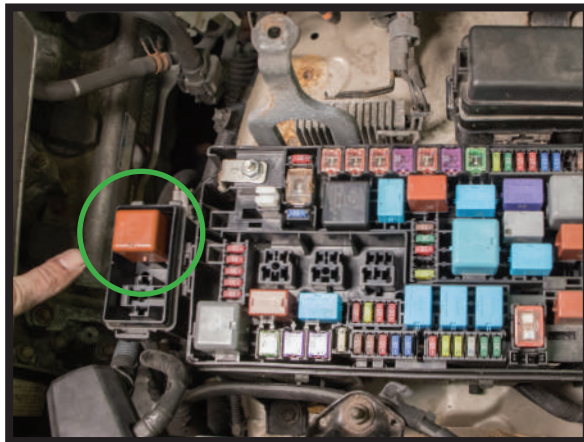


FIGURE 44

2. RELAY INSTALLATION COMPLETE