

# Installation Manual

AS-3073  
ARNOTT  
REAR RIGHT AIR STRUT  
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 by calling 800-251-8993 during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com). (In the EU please call +31 (0)73 7850 580 or email [info@arnotteurope.com](mailto: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](http://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 STRUT REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. RAISE VEHICLE.
3. REMOVE APPLICABLE REAR WHEEL.
4. FOLLOWING THE VEHICLE'S FACTORY SERVICE PROCEDURES, REMOVE THE BACK SEATS. (FIGURE 1)

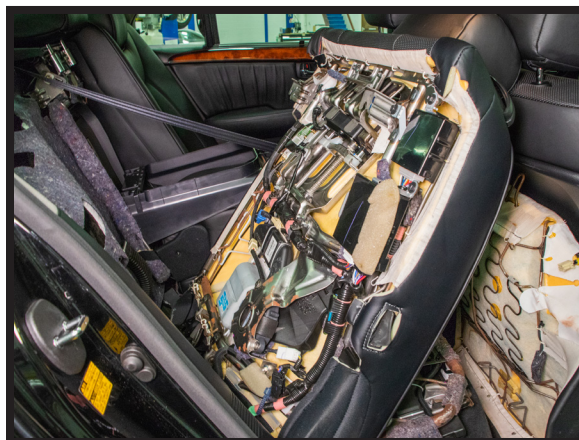


FIGURE 1

5. LIFT UP THE REAR DECK PANEL TO EXPOSE THE TOP CAP. LOOSEN AND REMOVE THE THREE TOP CAP NUTS. (FIGURE 2)



FIGURE 2

6. REMOVE THE TOP CAP. (FIGURE 3)



FIGURE 3

7. ROTATE AND REMOVE THE TOP CAP SENSOR. (FIGURE 4)



FIGURE 4

8. LOOSEN AND REMOVE THE THREE TOP MOUNTING NUTS FROM THE SHOCK. (FIGURE 5)



FIGURE 5

9. REMOVE THE AIR LINE. TO DO THIS, PUSH THE TABS INWARD AND TWIST UNTIL THE CLIP ALIGNS WITH THE HOLES IN THE FITTING, ALLOWING THE AIR LINE TO BE REMOVED. (FIGURES 6, 7)



FIGURE 6



FIGURE 7



10. LOOSEN AND REMOVE THE SWAY BAR END LINK NUT AND SEPERATE. (FIGURES 8, 9)



FIGURE 8



FIGURE 9

11. LOOSEN AND REMOVE THE BOTTOM MOUNT NUT. (FIGURE 10)



FIGURE 10

12. REMOVE THE SHOCK FROM THE VEHICLE. (FIGURE 11)



FIGURE 11

13. REMOVAL COMPLETE.

## AIR STRUT INSTALLATION



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

1. INSTALL THE NEW AIR SHOCK INTO THE VEHICLE WITH THE AIR FITTING POINTED TOWARDS THE WHEEL. (FIGURE 12)



FIGURE 12

2. REINSTALL THE BOTTOM MOUNT NUT AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 13)



FIGURE 13

3. REINSTALL THE SWAY BAR END LINK NUT AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 14)

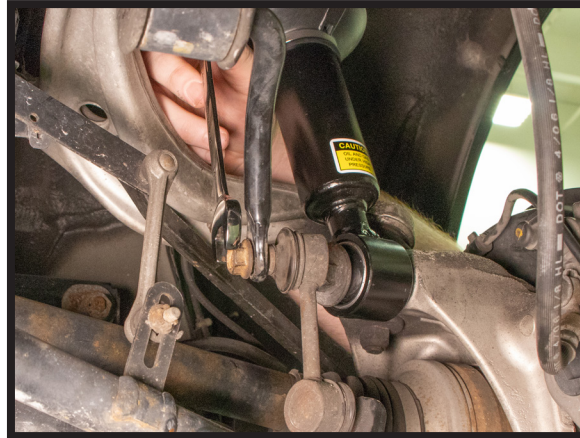


FIGURE 14

4. INSTALL THE THE THREE TOP MOUNTING NUTS TO THE SHOCK AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 15)



FIGURE 15

5. REINSTALL THE TOP CAP SENSOR. (FIGURE 16)



FIGURE 16



6. REINSTALL THE TOP CAP. INSTALL THE TOP CAP NUTS AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 17)



FIGURE 17

7. REINSTALL THE AIR LINE. TO DO THIS, INSERT THE AIR LINE INTO THE FITTING AND FIRMLY SEAT. ENSURE THE PROTUSIONS ON THE RETAINER ARE LOCKED PERPENDICULAR TO THE HOLES IN THE FITTING. (FIGURES 18, 19)



FIGURE 18



FIGURE 19

8. SET THE REAR DECK PANEL BACK INTO PLACE.
9. REINSTALL THE WHEEL.
10. LOWER THE VEHICLE.
11. REINSTALL THE BACK SEATS, FOLLOWING THE VEHICLE'S FACTORY SERVICE PROCEDURES.
12. INSTALLATION COMPLETE