



# INSTALLATION MANUAL

## AS-2855 Arnott Front Air Strut Lexus LS460 (XF40)



**Engineered to Ride, Built to Last<sup>®</sup>**

# 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](http://www.arnottinc.com) and [www.arnotteurope.com](http://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 STRUT REMOVAL

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Remove the front wheel. (Figure 1)



FIGURE 1

4. Remove the applicable engine bay trim to access the shock tower beneath. (Figure 2)



FIGURE 2

5. Locate the shock tower and begin by removing the three (3) nuts securing the actuator cover in place. (Figures 3, 4)



FIGURE 3



FIGURE 4

6. Carefully disconnect the actuator's electrical connection and set the cover aside. (Figure 5)



FIGURE 5

7. Remove the actuator by rotating counterclockwise and lifting it out of position. (Figures 6, 7)



FIGURE 6



FIGURE 7

8. Next, remove the three (3) nuts retaining the top of the strut to the strut tower. (Figures 8, 9)

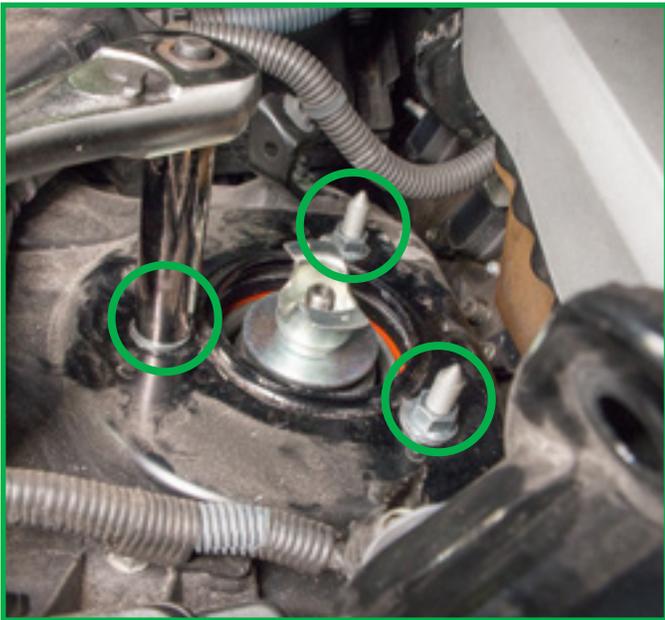


FIGURE 8



FIGURE 9

9. Move to the underside of the vehicle to loosen and remove the lower shock mounting bolt located on the lower control arm. (Figure 10)



FIGURE 10

10. Locate and remove the air line by pushing in on the retention clip to dislodge the air line connection. (Figure 11)



FIGURE 11

11. Locate and remove the fasteners retaining the brake hose bracket to the inside of the spindle assembly. (Figure 12)



FIGURE 12

12. Locate and remove the cotter pins retaining the castle nuts that secure the upper control arms to the spindle assembly. (Figure 13)

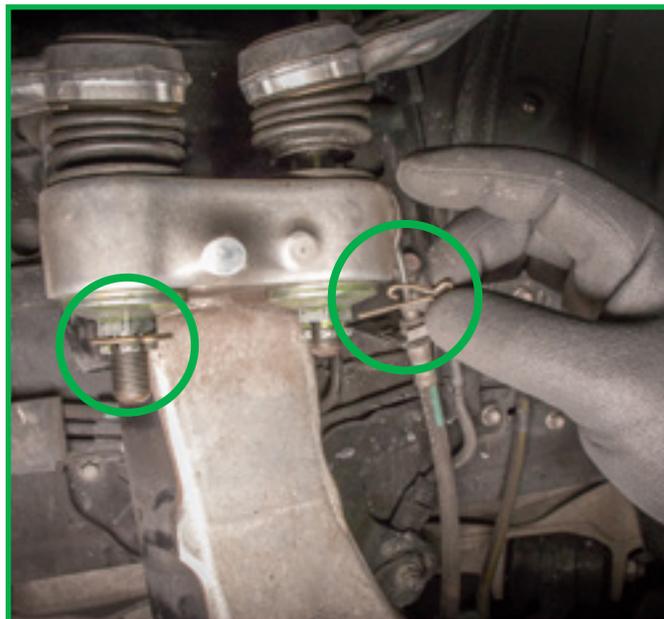


FIGURE 13

13. With cotter pins removed, loosen and remove the castle nuts. (Figure 14)

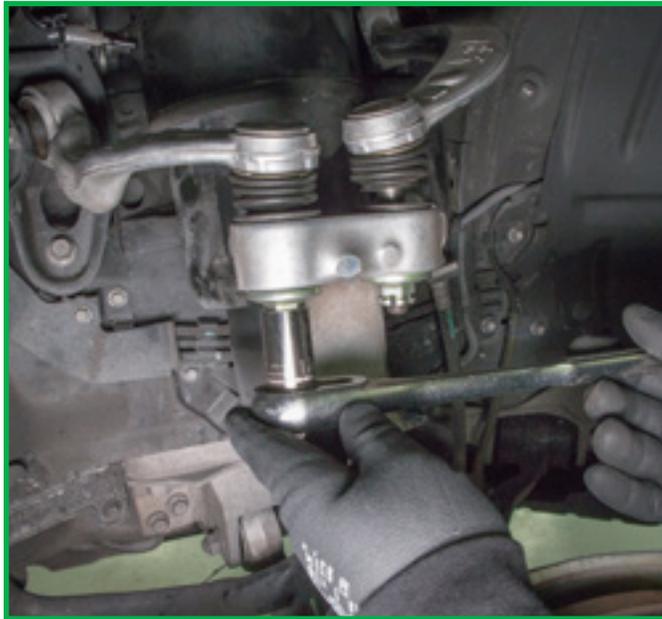


FIGURE 14

14. With a ball joint separation tool or other means, dislodge the upper control arms from the spindle assembly. (Figures 15, 16)



FIGURE 15



FIGURE 16

15. Carefully maneuver the shock over the lower control arm and out away from the vehicle. (Figure 17)



FIGURE 17

16. Removal complete.

## AIR STRUT INSTALLATION



**WARNING:**

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



**WARNING:**

Do not remove the air fitting from the air strut. Doing so may cause damage and/or void warranty.

1. Installation is in the reverse order of air strut removal. Adhere to all manufacturer specifications for torque values.

# Arnott®

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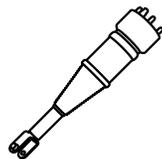
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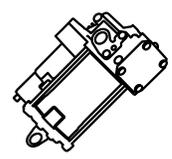
Air Springs



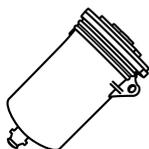
Struts



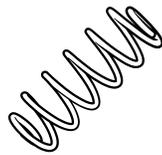
Shocks



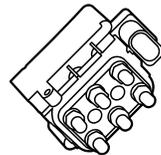
Compressors



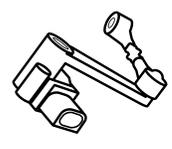
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors