

Installation Manual

AS-2855
ARNOTT
FRONT RIGHT AIR STRUT
LEXUS LS460 (XF40)



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 STRUT REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. RAISE VEHICLE.
3. REMOVE FRONT WHEEL. (FIGURE 1)



FIGURE 1

4. REMOVE APPLICABLE ENGINE BAY TRIM TO ACCESS THE SHOCK TOWER BENEATH. (FIGURE 2)



FIGURE 2

5. LOCATE THE SHOCK TOWER AND BEGIN BY REMOVING THE 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 COUNTER-CLOCKWISE AND LIFTING OUT OF POSITION. (FIGURES 6, 7)



FIGURE 6

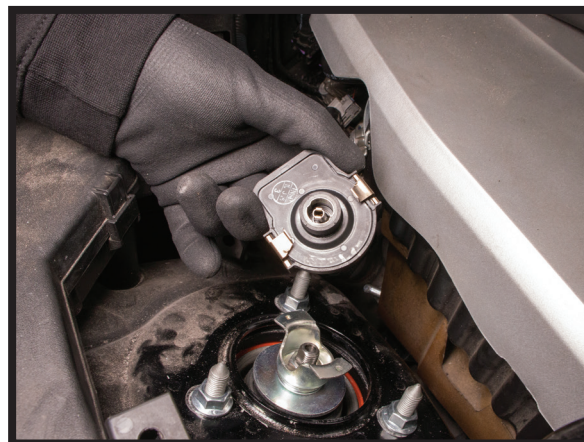


FIGURE 7

8. NEXT, REMOVE THE THREE NUTS RETAINING THE TOP OF THE STRUT TO THE STRUT TOWER. (FIGURES 8, 9)

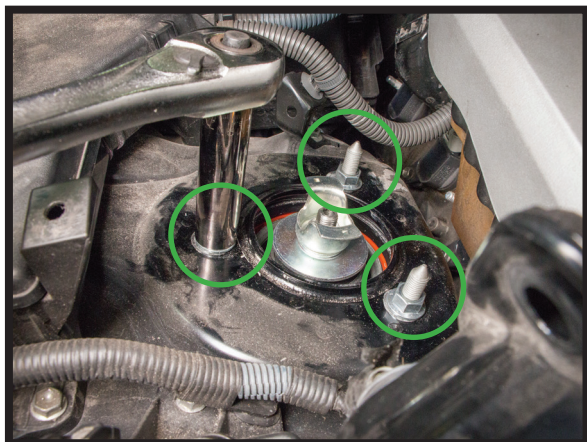


FIGURE 8



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)

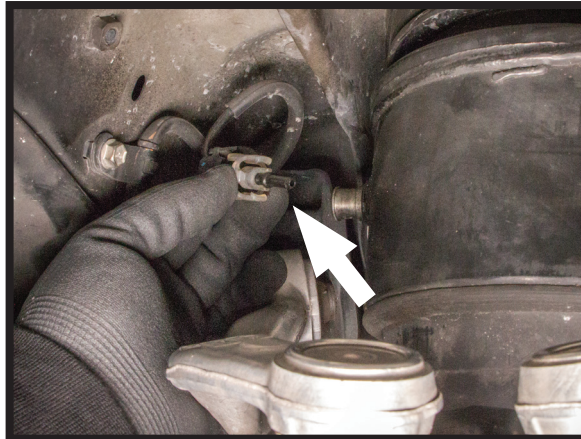


FIGURE 11

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)

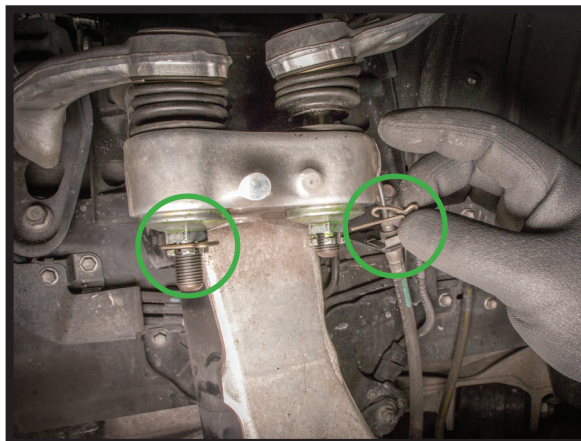


FIGURE 13

13. WITH COTTER PINS REMOVED, LOOSEN AND REMOVE THE CASTLE NUTS. (FIGURE 14)

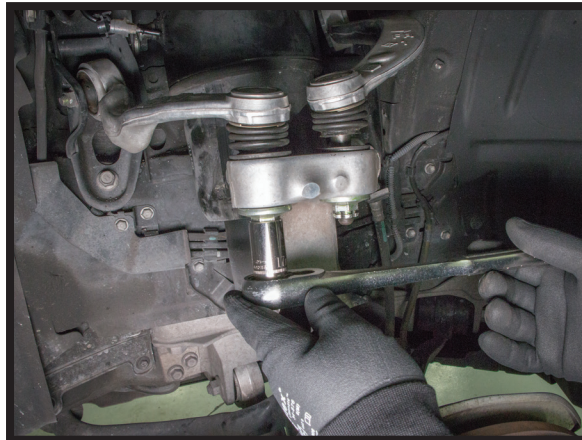


FIGURE 14

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 MANUEVER THE SHOCK OVER THE LOWER CONTROL ARM AND OUT AWAY FROM THE VEHICLE. (FIGURE 17)



FIGURE 17

16. REMOVAL COMPLETE.

AIR STRUT INSTALLATION



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



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 MANUFACTURE'S SPECIFICATIONS FOR TORQUE VALUES.