

Installation Manual

A-2831
ARNOTT REAR AIR SPRING
L322
LAND ROVER RANGE ROVER



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.*

GENERAL INFORMATION:

- 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 SPRING REMOVAL

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Remove rear wheels.
4. The rear air suspension valve block is located in the right wheel well, removal of the inner fender well is necessary. (FIGURE A)



FIGURE A

5. With the wheel well removed, locate the valve block and drain the air from the air springs by loosening the yellow and black air lines. (FIGURE B)



FIGURE B

6. With all of the air drained from the air springs, remove the lower air spring retention screw from the bottom control arm. (FIGURE C)

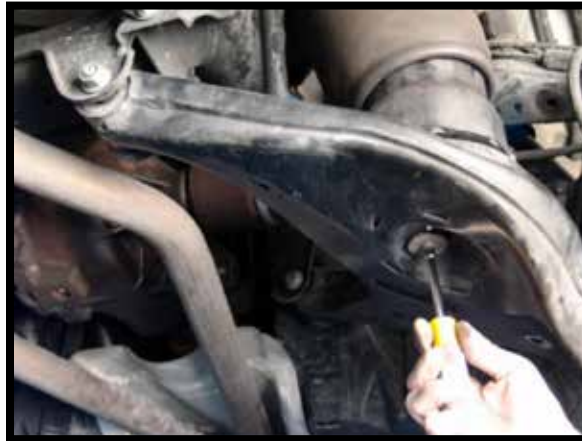


FIGURE C

7. Using a pick or similar tool, remove the clip holding the top of the air spring onto the frame. (FIGURE D)



FIGURE D

8. After both upper and lower retention fasteners are removed, you can pull the air spring loose and disconnect the airline by unscrewing the fitting. Remove the air fitting from the air hose and discard. (FIGURE E)



FIGURE E

9. Removal complete. (FIGURE F)





FIGURE F

10. Remove the air line fitting from the air hose and discard. To remove the air line fitting, remove the collet and the remaining fitting will slide off of air hose. (FIGURE 10-8)



FIGURE G

AIR SPRING INSTALLATION

-  *Tighten all nuts and bolts to manufacturer's specifications during the installation process.*
-  *Do not remove the air fitting from the air spring. Doing so may cause damage and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.*

1. Installation is in reverse order of air spring removal.