Arnott™
Air Suspension Systems

Part# **AS-2307 & AS-2308**
2003-2009 Range Rover
Reman Front Air Shock

"Engineered to Ride, Built to Last"

Thank you for purchasing the Arnott Air Suspension product! This system provides you with the ability to maintain your vehicle at a constant level, resulting in enhanced vehicle ride, handling, and performance.

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 this system on your vehicle. Reviewing the components and the parts list below will familiarize you with the system.

It is equally important to be aware of and take all necessary safety measures while installing your new air spring. This includes proper lifting and immobilizing of the vehicle, and isolation of any stored energy to prevent personal injury or property damage.

SAFETY WARNING:

Do not inflate the air spring assembly unless it is supported on both ends by the vehicle frame and suspension system, or by another adequate means. Doing so may result in serious injury and damage to the air spring assembly and surrounding environment.

The maximum recommended inflation pressure of the air spring is 100 psi. Over-inflation of the air spring, as well as improper use or installation of the assembly, may result in serious injury and damage to the air spring assembly and the surrounding environment.

2003-2009 RANGE ROVER
Front Air Spring Assembly

Front Suspension - These operations are the same for both left and right sides.

REMOVAL OF THE FRONT AIR STRUTS

1. To release the air pressure from the front struts you will need to remove the passenger side front wheel well liner. (Refer to Fig. "A") ***(THIS STEP MAY BE SKIPPED IF YOUR FRONT AIR SPRING IS ALREADY FLAT)***
2. With the wheel well liner removed you are able to access the front valve block located on the rear of the wheel well. (Refer to Fig. "B") ***(THIS STEP MAY BE SKIPPED IF YOUR FRONT AIR SPRING IS ALREADY FLAT)***
3. Slowly release the air pressure from the front struts by loosening the yellow and black air hoses. (Refer to Fig. "B") ***(THIS STEP MAY BE SKIPPED IF YOUR FRONT AIR SPRING IS ALREADY FLAT)***
4. Next, remove the brake hose and ABS sensor wire from the retention bracket on the strut. (Refer to Fig. "C")
5. Also remove the sensor wire from the front side of the strut held on with a small plastic clip. (Refer to Fig. "D")
6. Disconnect the sway bar link by removing the nut holding the ball joint to the strut. You may need to hold the ball joint from spinning by placing a wrench on the two flats of the ball joint. (Refer to Fig. "E")
7. Remove the two large bolts that hold the strut to the spindle assembly. (Refer to Fig. "F")
8. With the nuts and bolts removed from the spindle assembly, pull the spindle outward while pushing the strut inward to disengage them. (Refer to Fig. "G")
9. Under the hood are the upper retention fasteners, remove all three being careful not to drop the strut.(Refer to Fig. "H")
10. With the strut removed you can now gain access to its hose connection, remove the fitting to free the assembly.(Refer to Fig "I")
11. Complete front assembly shown removed from vehicle. (Refer to Fig. "J").

REVERSE STEPS 10-1 FOR INSTALLATION OF STRUT ASSEMBLY

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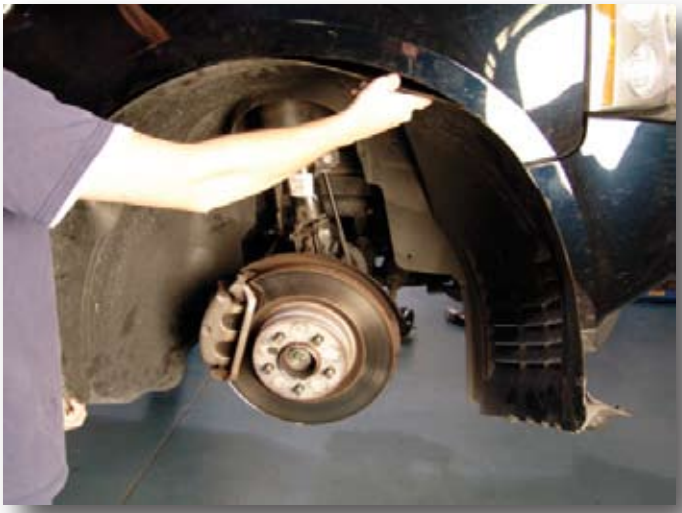

Fig. "A"

Fig. "B"

Fig. "C"

Fig. "D"

Fig. "E"

Fig. "F"

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Fig. "G"

Fig. "H"

Fig. "I"

Fig. "J"

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