



SK-2255  
2001-2006 AUDI ALLROAD  
FRONT SHOCK REPLACEMENT



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.

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 ride system prior to dis-assembly. Do not allow dirt or grease to enter the system. Always wear standard protective hand, ear, and eye protection when servicing the air suspension system.*

**Kit contains:**

PARTS LIST		
P/N	QTY	DESCRIPTION
21-4765	2	FRONT SHOCK REPLACEMENT



### General information:

- \* *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 shock assembly can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.*

### FRONT SHOCK REMOVAL:

**NOTE:** REMOVAL AND INSTALLATION IS FOR BOTH OF THE FRONT SHOCKS.



*The ignition must remain switched off during the shock removal and replacement.*

1.0 SET STEERING TO STRAIGHT AHEAD.



*Use lifting platform (hoist) that is capable of raising the body separately from the wheels, lift body at the lifting points prescribed by the vehicle manufacturer. Vehicle slippage can cause danger to life and limb.*

2.0 RAISE VEHICLE.

3.0 REMOVE FRONT TIRE(S).



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## SAFTEY WARNING:

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

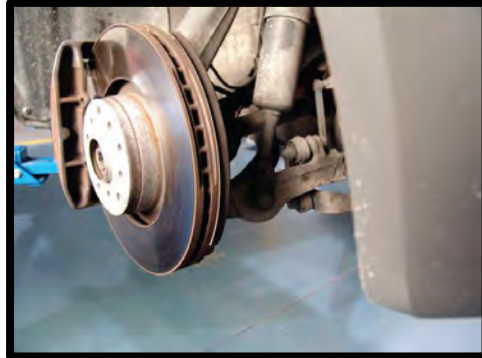
The maximum recommended inflation pressure of the air spring is 120 psi. Over-inflation of the air spring, as well as improper use or installation of the assembly, may result in serious injury and damage to the air spring assembly and the surrounding environment.

Take precautions not to exceed the Gross Vehicle Weight Rating (GVWR, or the maximum load) recommended by the manufacturer. The air springs are rated for a maximum pressure of 120 psi. This pressure may, however, allow too great a load to be carried on most vehicles. For best results, load the vehicle and have it weighed, then compare the vehicle weight with the maximum allowed. It is important that all vehicle's Owner Manual recommendations are followed for your own safety and to prevent damage to the vehicle. Air Springs DO NOT increase the GVWR set by the manufacturer's.

**WARNING: LOWER CONTROL ARM BUSHING BEING WORN MAY CAUSE EXCESSIVE STRESS ON THE SHOCK.**



- 1.0 BEGIN BY FIRST REMOVING THE LOWER SHOCK RETENTION NUT AND BOLT. (FIGURE A)



**FIGURE A**

- 2.0 NEXT REMOVE THE UPPER CONTROL ARM PINCH BOLT WHICH HOLDS THE TWO BALL JOINTS TO THE KNUCKLE. (FIGURE B)



**FIGURE B**

- 3.0 REMOVE THE THREE BOLTS HOLDING THE UPPER MOUNT TO THE BODY. (FIGURE C)



**FIGURE C**



4.0 REMOVE WHOLE STRUT. (FIGURE D)



**FIGURE D**

5.0 LOOSEN AND REMOVE THE SIX BOLTS HOLDING THE AIR SPRING TO THE UPPER MOUNT. (FIGURE E)



**FIGURE E**

6.0 SEPARATE THE UPPER MOUNT FROM THE AIR SPRING. (FIGURE F)



**FIGURE F**



- 7.0 IMPACT THE NUT FROM THE ROD END AND REMOVE THE UPPER RUBBER MOUNT. (FIGURE G)



**FIGURE G**

- 8.0 REMOVE THE AIR SPRING FROM THE FACTORY SHOCK BEING SURE TO SAVE THE LOWER O-RING. (FIGURE H)



**FIGURE H**



FACTORY AIR SPRING



**NOTE:**  
WHEN INSTALLING WITH A  
FACTORY AIR SPRING, REUSE  
THE FACTORY LOWER O-RING.

ARNOTT AIR SPRING



**NOTE:**  
REASSEMBLE AS INDICATED  
REINSTALL INTO VEHICLE IN THE  
REVERSE ORDER THAT IT  
WAS DISASSEMBLED.