



Part# **01AA-F**
2001-2006 Audi allroad
Front Air Spring Assembly



“Engineered to Ride, Built to Last”

PARTS LIST	PART NUMBER	QUANTITY
FRONT AIR SPRING ASSEMBLY	21-3371	1
UPPER O-RING 239	29-3372	1
4 MM VOSS AIR FITTING	29-2618	1

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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.



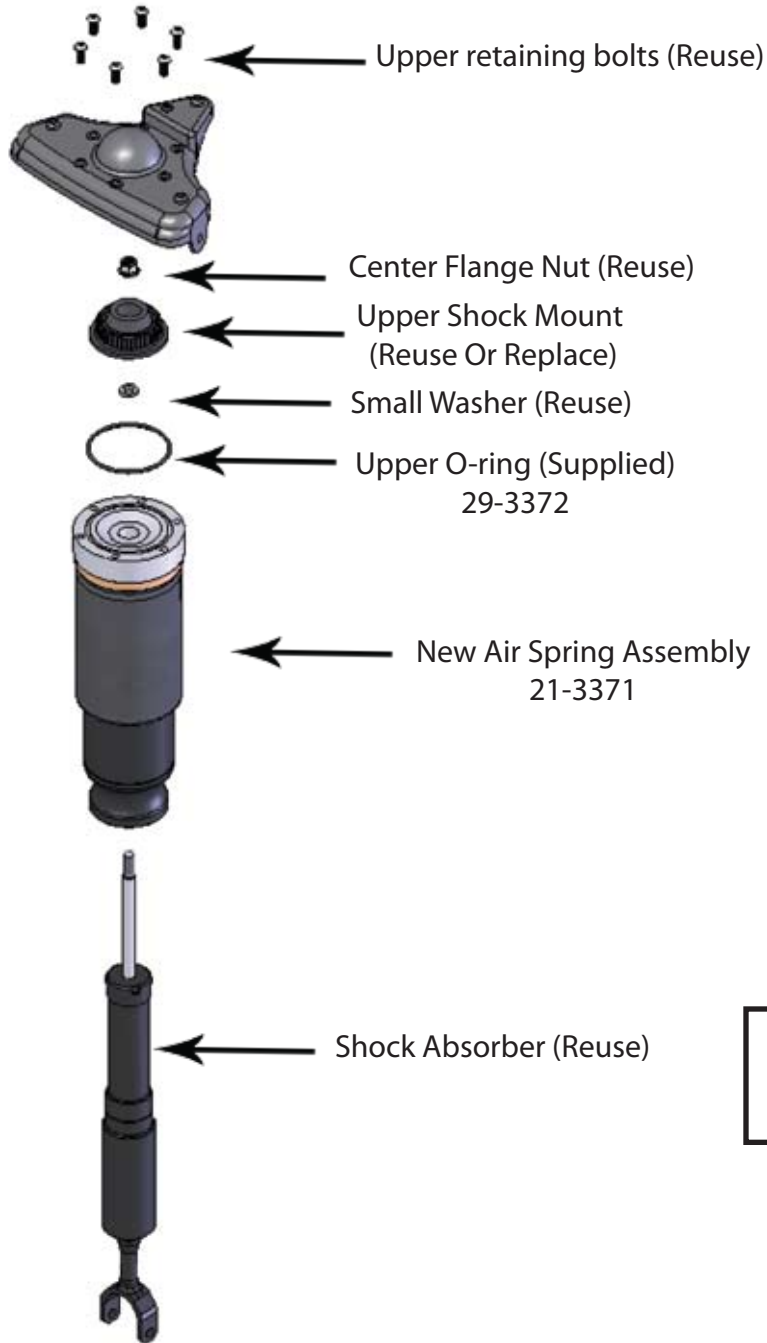
SAFTEY WARNING:

Do not inflate the air spring assembly unless it is supported on both ends by the vehicle frame and suspension system, or by 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.

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 100 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 manufacture.

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LOWER O-RING IS NOW LOCATED INSIDE THE NEW AIR SPRING. DO NOT USE THE OLD SEALS FROM YOUR FACTORY SHOCK

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VEHICLE PREPARATION

1. Before you begin, you should take the necessary safety precaution into account when working on your vehicle.
2. First place your vehicle on a solid, even surface and chock the wheels.
3. Using a floor jack and jack stands, safely lift and secure the vehicle. (Refer to Owners Manual for proper lifting techniques and jacking points.)
4. Open the hood and remove the front wheel(s) to gain access to the suspension components.

REMOVAL & INSTALLATION

1. Start by removing the remaining air pressure from the front air spring. To deflate the air spring, carefully remove the air fitting from the top of the air spring.
2. Loosen and remove the lower shock bolt. **See Figure "A"**
3. Remove the pinch bolt from the front of the control arms. **See Figure "B"**
4. Remove both ball joints from the front suspension link. Make sure to secure the front hub assembly to eliminate any stress on the brake lines and front drive shafts.
5. Loosen the 3 top bolts under the hood. Leave one bolt finger tight to prevent the assembly from falling out. **See Figure "C"**
6. Have another person hold the strut assembly while you remove the last retaining bolt. Carefully remove the shock assembly from the vehicle. **See Figure "D"**
7. Using a 12 point torx bit, remove the 6 upper shock mounting bolts. Remove the top cast aluminum shock cap. **See Figure "E"**
8. Remove the center flange nut from the top of the shock. **See Figure "F"**
9. Remove the rubber upper mount and washer. Both of these will be reused in the new assembly. **See Figure "G"**
10. Remove the old air spring from the shock. You may have to tap down on the air spring piston to dislodge it from the old shock. **See Figure "H"**
11. Remove and discard the old o-ring used to seal the air spring to the shock. This o-ring will not be reused in the new assembly. **See Figure "I"**
12. Lubricate the o-ring in the bottom of the new air spring assembly, and slide the new air spring over the shock absorber. **See Figure "J"**
13. Replace the top washer, rubber mount, and flange nut. **See Figure "K"**
14. Remove the new o-ring from bag and lubricate. Install new o-ring into the face groove located on the top side of the air spring. **See Figure "K"**
15. Replace the cast aluminum shock cap and replace the six 12 point torx bolts. **See Figure "L"**

Install assembly back into the vehicle by reversing steps 6 -1.

