



A-2251
2001-2006
AUDI ALLROAD
FRONT AIR SPRING ASSEMBLY



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.

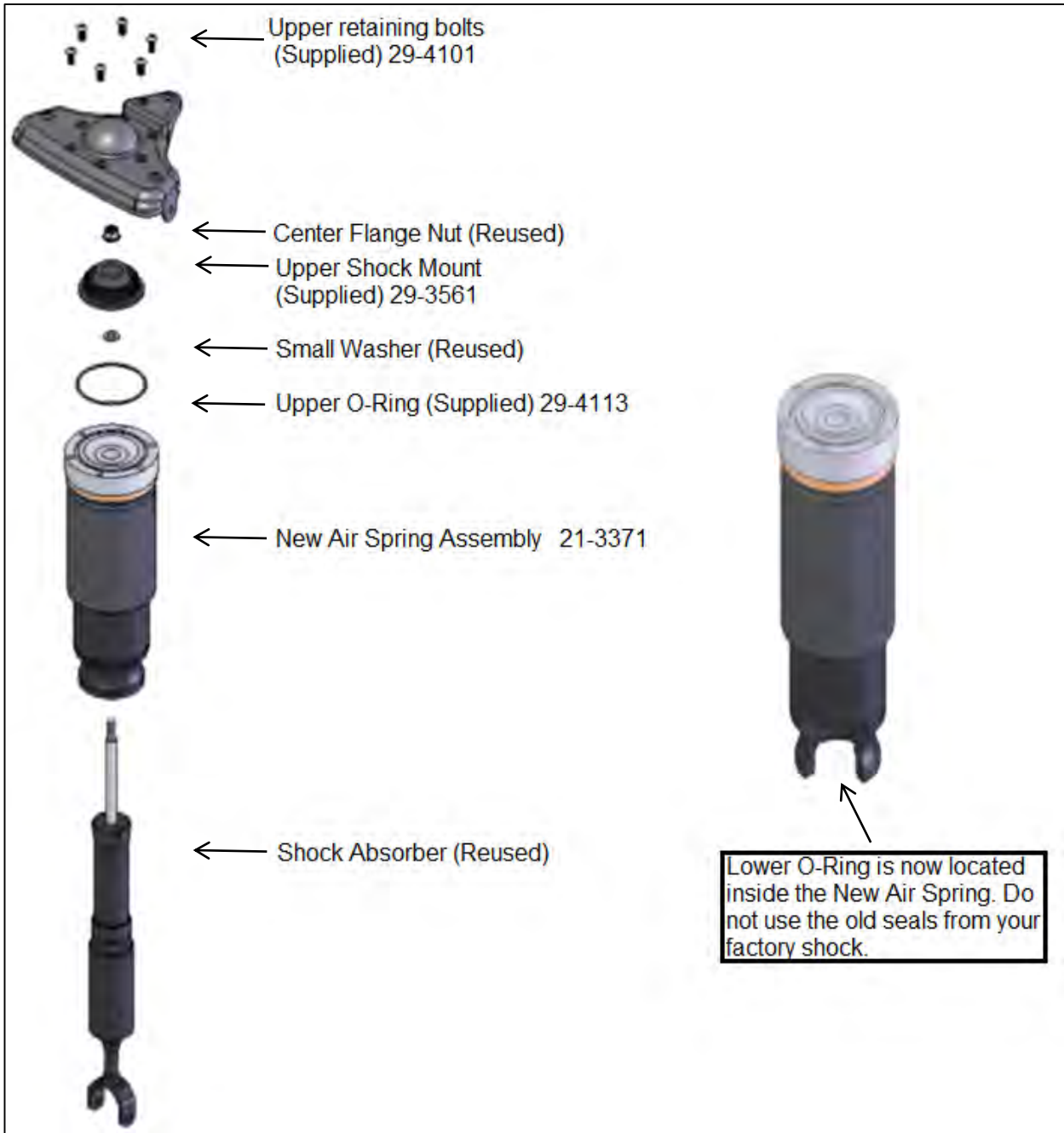
“Engineered to Ride, Built to last”



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 disassembly. 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
21-3371	2	FRONT AIR SPRING ASSEMBLY
21-6287	1	ACCESSORY KIT





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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.*

VEHICLE PREPARATION:

1. Before you begin, you should take the necessary safety precautions 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 Owner's 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 delete 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"**



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7. Using a 12 point torque 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 tort bolts. **See Figure "L"**

INSTALL ASSEMBLY BACK INTO THE VEHICLE BY REVERSING STEPS 6 -1.



Figure A



Figure B



Figure C



Figure D



Figure E



Figure F



Figure G



Figure H



Figure I



Figure J



Figure K



Figure L