

# Installation Manual

## AS-2562 ARNOTT FRONT RIGHT AIR STRUT FOR 2002-2009 AUDI A8 (SPORT)



Congratulations on your purchase of an Arnett® air suspension product. We at Arnett 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.*

#### KIT CONTAINS:

#### PARTS LIST

P/N	QTY	DESCRIPTION
21-6158	1	ARNOTT FRONT RIGHT AIR STRUT
21-6904	1	INSTRUCTION PACKET

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett by calling **800-251-8993** during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com).

## GENERAL INFORMATION:

Reading this manual signifies your agreement to the terms of the general release, waiver of liability, and hold harmless agreement, the full text of which is available at [www.arnottinc.com](http://www.arnottinc.com).

- 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 STRUT REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. LIFT VEHICLE AND REMOVE WHEEL. (FIGURE 10-1)



FIGURE 10-1

3. REMOVE WIRE HARNESS FROM MOUNTING BRACKET. (FIGURE 10-2)



FIGURE 10-2

4. DISCONNECT ELECTRICAL PLUG. (FIGURE 10-3)



FIGURE 10-3

5. LOOSEN AND REMOVE AIR LINE. REMOVE THE AIR LINE FITTING FROM THE AIR HOSE AND DISCARD. (FIGURE 10-4)



FIGURE 10-4

6. LOOSEN AND REMOVE UPPER CONTROL ARM BOLT. REMOVE UPPER ARMS FROM SPINDLE ASSEMBLY. (FIGURES 10-5, 10-6)



FIGURE 10-5



FIGURE 10-6

7. LOOSEN AND REMOVE LOWER SHOCK ARM BOLTS. (FIGURE 10-7)



FIGURE 10-7

5. LOOSEN AND REMOVE AIR LINE. REMOVE THE AIR LINE FITTING FROM THE AIR HOSE AND DISCARD. (FIGURE 10-8)



FIGURE 10-8

9. SLIDE SHOCK OVER CONTROL ARM. REMOVE SHOCK SLOWLY FROM MOUNT AREA. (FIGURE 10-9)



FIGURE 10-9

10. GUIDE WIRE THROUGH THE HOLE WHILE REMOVING SHOCK. (FIGURE 10-10)



FIGURE 10-10

11. LOOSEN AND REMOVE 4 TOP MOUNTING BOLTS FROM SHOCK (FIGURE 10-11)



FIGURE 10-11

12. REMOVE TOP SECTION. (FIGURE 10-12)



FIGURE 10-12

13. REMOVAL COMPLETE.

## AIR STRUT INSTALLATION



*Tighten all nuts and bolts to manufacturer's specifications during the installation process.*



*Do not remove the air fitting from the air strut. 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 THE REVERSE ORDER OF AIR STRUT REMOVAL.