

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. 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.*

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling [800-251-8993](tel: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. RAISE VEHICLE.
3. REMOVE REAR WHEEL.
4. DISCONNECT THE SHOCK DAMPER SENSOR WIRE. (FIGURE 10-1)



FIGURE 10-1

5. REMOVE THE FOUR (4) TOP MOUNTING BOLTS. (FIGURE 10-2)



FIGURE 10-2

6. REMOVE THE NUT AND BOLT FROM THE SWAY BAR END LINK AND LOWER SHOCK MOUNT. (FIGURE 10-3)



FIGURE 10-3

7. REST SHOCK ON UPPER CONTROL ARMS AND REMOVE THE AIR LINE FITTING FROM THE AIR VALVE. REMOVE AIR LINE FITTING FROM AIR HOSE AND DISCARD. (FIGURE 10-4)



FIGURE 10-4



8. REMOVE AIR STRUT FROM THE VEHICLE. (FIGURE 10-5)

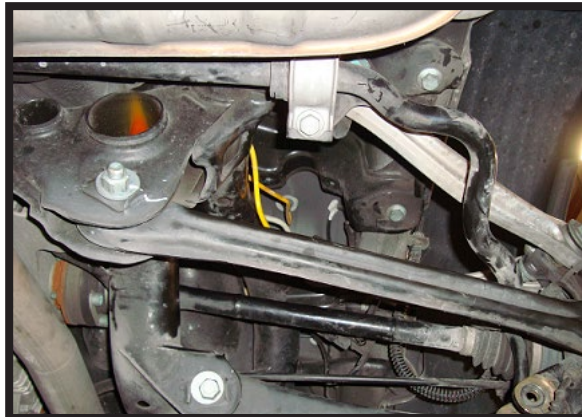


FIGURE 10-5

9. SLOWLY REMOVE THE AIR VALVE TO DEFLATE THE AIR STRUT. (FIGURE 10-6)



*Air spring may be under pressure. Slowly remove the air valve to deflate.*

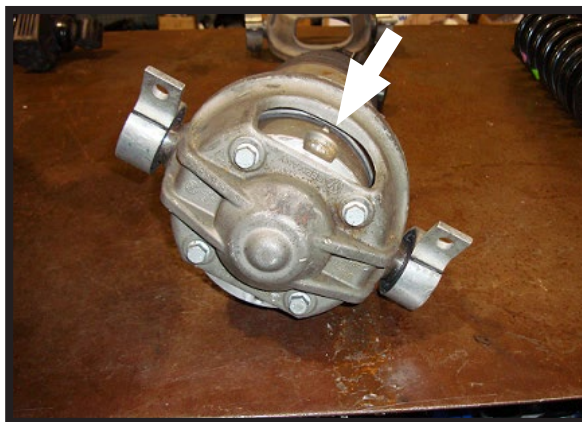


FIGURE 10-6

10. REMOVE THE FOUR (4) TOP MOUNT BOLTS AND THE AIR STRUT ASSEMBLY FROM THE UPPER MOUNT. (FIGURE 10-7)



FIGURE 10-7

## AIR SPRING REMOVAL

1. REMOVE THE TOP SHOCK NUT. (FIGURE 20-1)

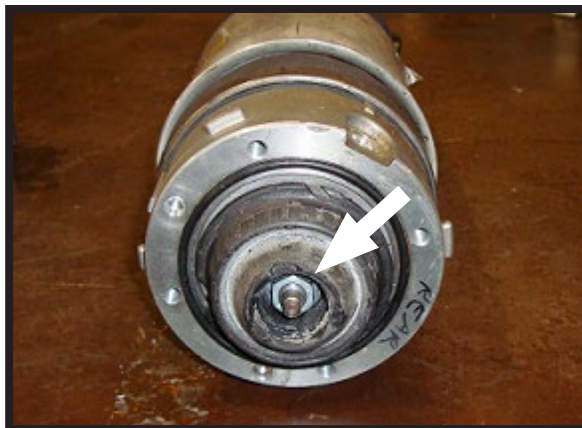


FIGURE 20-1

2. REMOVE TOP RUBBER MOUNT AND O-RING AND DISCARD. (FIGURE 20-2)



FIGURE 20-2

3. REMOVE THE AIR SPRING AND LOWER O-RING FROM THE SHOCK. (FIGURE 20-3)



FIGURE 20-3

4. REMOVE AND DISCARD THE BUMP STOP. (FIGURE 20-4)



FIGURE 20-4

## AIR SPRING INSTALLATION



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

1. INSTALL NEW LOWER O-RING AND APPLY LUBRICATION. (FIGURE 30-1)



FIGURE 30-1



2. INSTALL AIR SPRING ONTO THE SHOCK. (FIGURE 30-2)



FIGURE 30-2

3. INSTALL TOP RUBBER MOUNT. (FIGURE 30-3)



FIGURE 30-3

4. REINSTALL SHOCK NUT. (FIGURE 30-4)

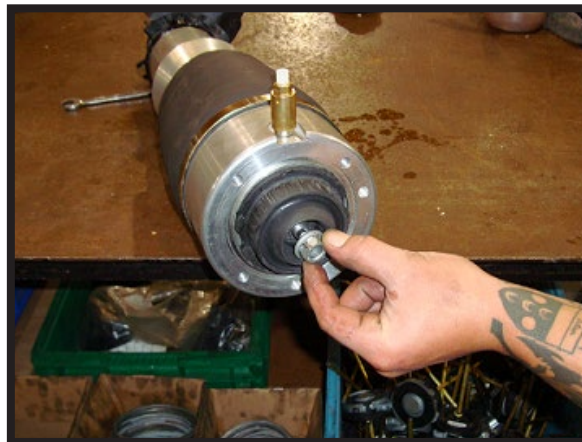


FIGURE 30-4

5. INSTALL O-RING INTO THE O-RING GROOVE ON THE TOP MOUNT. (FIGURE 30-5)



FIGURE 30-5

6. INSTALL THE FOUR (4) NEW BOLTS SECURING THE AIR SPRING TO THE UPPER MOUNT. (FIGURE 30-6)



FIGURE 30-6

## 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 spring. 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 REVERSE ORDER OF AIR STRUT REMOVAL.