

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.

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.

- 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.

FRONT AIR SPRING REMOVAL

1. Turn air suspension switch to the **OFF** position (switch is located on the left side of the trunk). (FIGURE 10-1)



FIGURE 10-1

2. Set the steering to straight ahead.
3. Raise the vehicle.
4. Remove the wheels.

5. To remove the solenoid from the air spring, you must first remove the solenoid clip by gently prying outward on one end. (FIGURE 10-2)

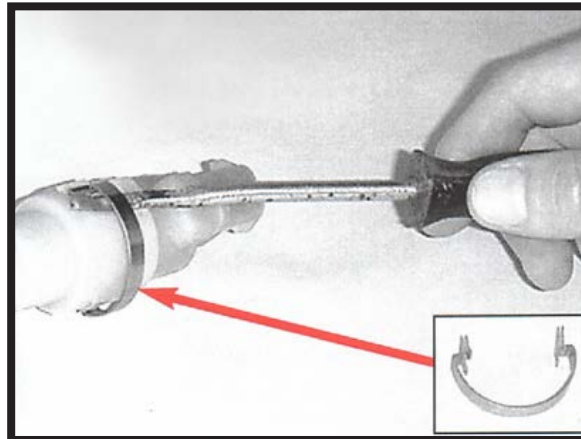


FIGURE 10-2

6. Rotate the valve counterclockwise to the first stop. Pull solenoid straight out slowly until all the air is deflated from the air spring. (FIGURES 10-3, 10-4)

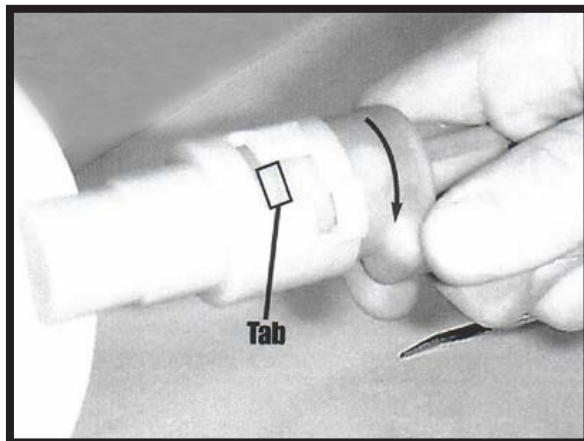


FIGURE 10-3

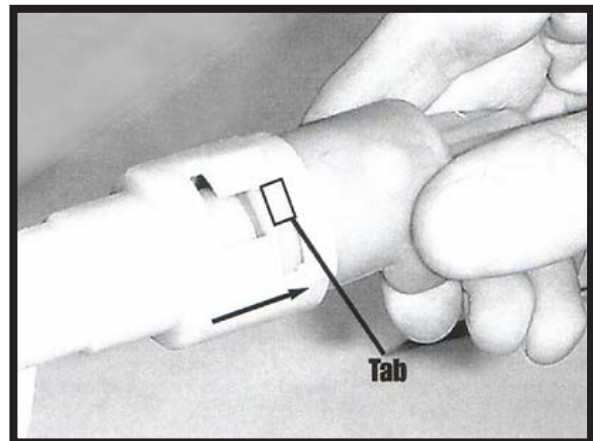


FIGURE 10-4

7. Once the air spring is fully deflated, rotate counterclockwise to the second stop. Remove solenoid from air spring. (FIGURE 10-5, 10-6)

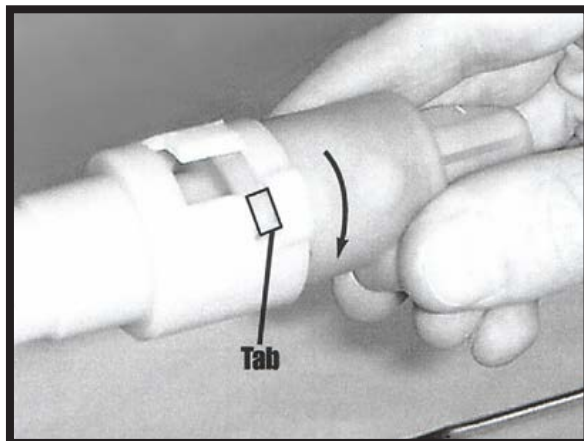


FIGURE 10-5



FIGURE 10-6

8. To remove the top, push the clip down and turn the locking ring clockwise. (FIGURE 10-7)

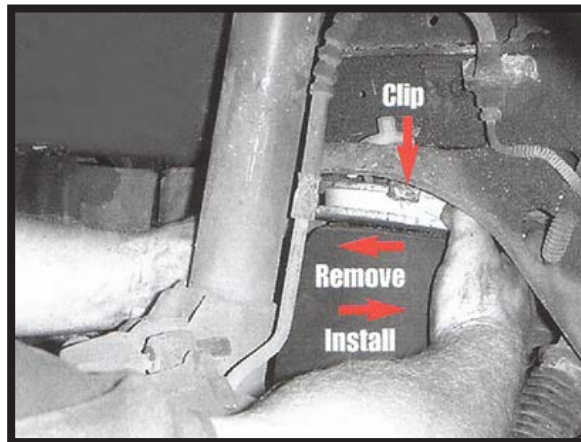


FIGURE 10-7

9. Remove the top of the air spring from the top mount. (FIGURE 10-8)

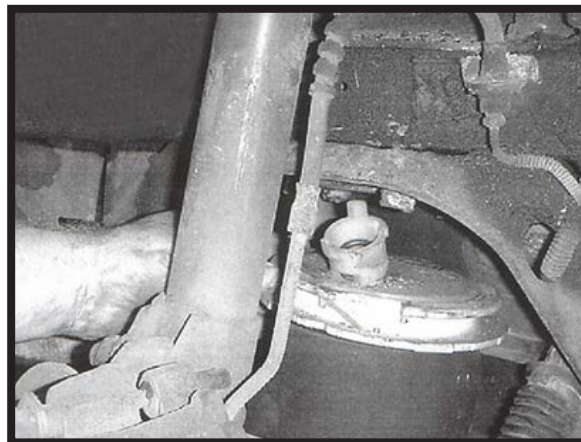


FIGURE 10-8

10. Remove the bottom clip from the air spring. (FIGURE 10-9)



FIGURE 10-9

11. Remove the old air spring from the vehicle. (FIGURE 10-10)

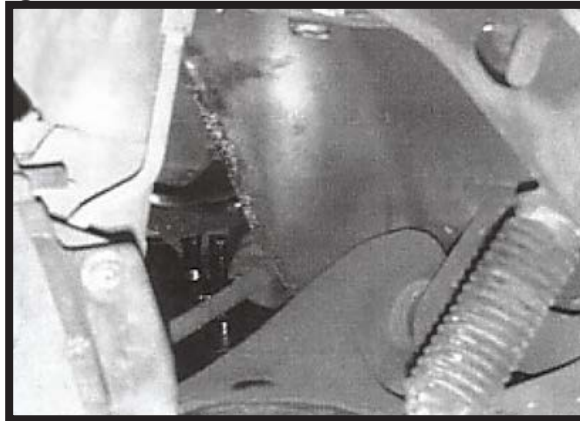


FIGURE 10-10

COIL SPRING INSTALLATION



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

1. Unhook the height sensor by prying between the lower control arm and the height sensor mount. (FIGURE 20-1)

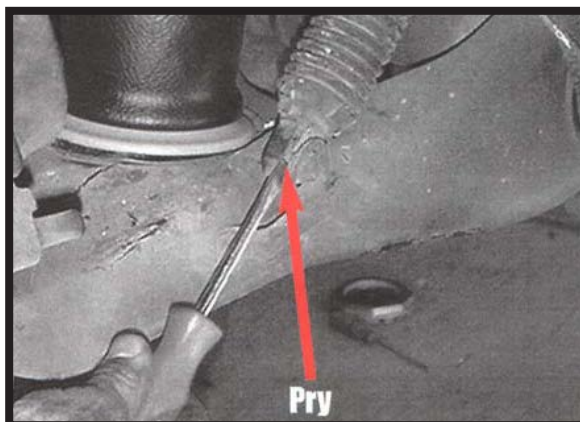


FIGURE 20-1

2. Unbolt the brake line from the frame. (FIGURE 20-2)



FIGURE 20-2

3. Unhook the ABS sensor cable. (FIGURE 20-3)



FIGURE 20-3

4. Unbolt the sway bar end link. (FIGURE 20-4)



FIGURE 20-4

5. Remove the sway bar end link. (FIGURE 20-5)



FIGURE 20-5

6. Unbolt the top shock mount. (FIGURE 20-6)



FIGURE 20-6

7. Push down on the shock and pull towards you (do not pull on brake line). (FIGURE 20-7)



FIGURE 20-7

8. Remove set screw from the new aluminum coil spring plate.
9. Rotate plate into top suspension bracket. (FIGURE 20-8)



FIGURE 20-8

10. Replace set screw into the top plate, locking it from turning. (FIGURE 20-9)



FIGURE 20-9

11. Bolt the lower aluminum spring mount onto the lower control arm. (FIGURES 20-10, 20-11)



FIGURE 20-10



FIGURE 20-11

12. Install the front coil spring (rotate spring so the "Arnott Inc." Logo faces the wheel). (FIGURE 20-12)



FIGURE 20-12

13. Compress the strut, and jack up on the lower control arm. **Make sure the coil spring is properly seated in the spring perches.** (FIGURE 20-13)

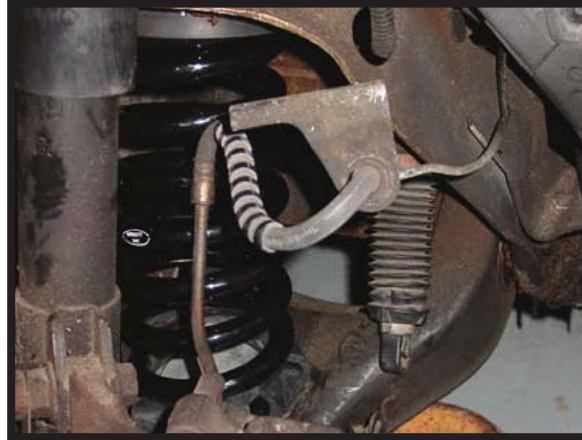


FIGURE 20-13

14. Replace the three (3) nuts on the top shock mount. (REFER TO STEPS 6, 7)
15. Replace the sway bar end link. (REFER TO STEPS 4&5)
16. Fasten brake line back to the frame of the vehicle. (REFER TO STEP 2)
17. Reattach ABS sensor cable. (REFER TO STEP 3)
18. Reattach height sensor. (REFER TO STEP 1)
19. Installation complete.

REAR AIR SPRING REMOVAL

1. Remove solenoid. (REFER TO STEPS 5-7 OF THE FRONT AIR SPRING REMOVAL)
2. Remove the top of the air spring from the top mount. (To remove top, push clip down and turn the ring clockwise). (FIGURE 30-1)

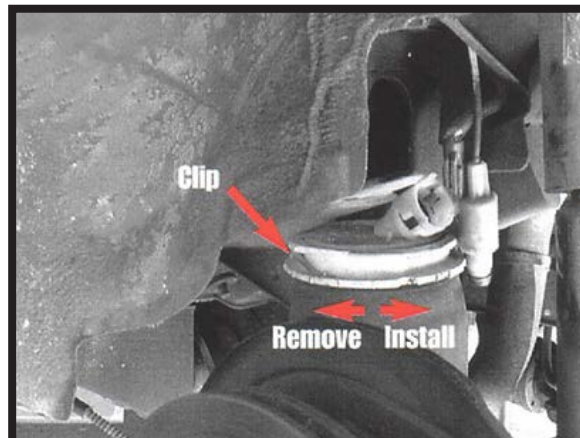


FIGURE 30-1

4. Remove the two (2) bolts from the air spring piston. (FIGURE 30-2)

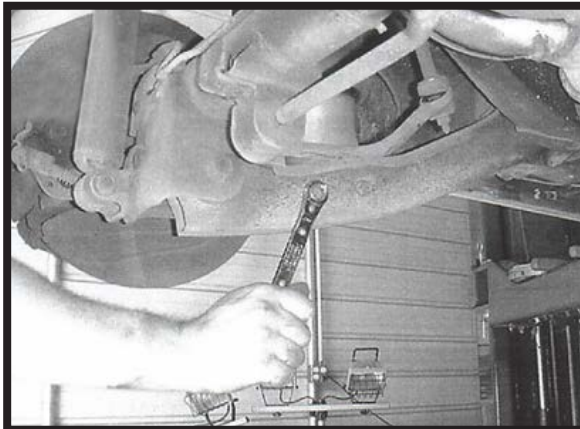


FIGURE 30-2

5. Remove the old air spring from vehicle. (FIGURE 30-3)

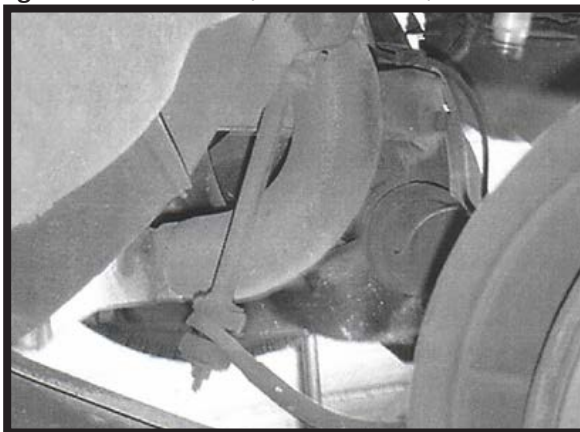


FIGURE 30-3

AIR SPRING INSTALLATION



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

1. Install the upper coil spring mount. After installing, replace set screw. (FIGURE 40-1)



FIGURE 40-1

2. Install the upper coil spring insulator. (FIGURE 40-2)



FIGURE 40-2

3. Install lower coil spring insulator on lower spring mount. Bolt the lower spring mount in the lower control arm. (FIGURES 40-3, 40-4)



FIGURE 40-3



FIGURE 40-4

4. Remove lower shock nut and bolt, allowing axle to fall. This will allow more room to install the coil spring. (FIGURE 40-5, 40-6)



FIGURE 40-5



FIGURE 40-6

5. Push down on axle and install the rear coil spring. (FIGURE 40-7)



FIGURE 40-7

6. Replace the lower shock nut and bolt. (REFER TO STEP 4)
7. Replace the wheels and lower suspension.

DISARMING VEHICLE'S AIR SUSPENSION

1. To disconnect your suspension system, unplug your air suspension module. The air suspension module is located in the trunk beside the air suspension switch. Just unbolt the harness and unplug the module. This will immobilize your system and turn OFF your check suspension warning light. (FIGURES A, B)



FIGURE A

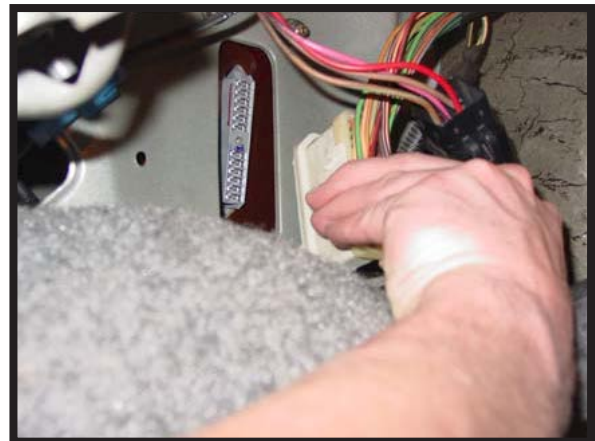


FIGURE B