

Installation Manual

C-2168 ARNOTT COIL SPRING CONVERSION KIT FOR 1995-1996 LINCOLN CONTINENTAL



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.*

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](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 STRUT REMOVAL

1. Set steering to straight ahead.
2. Turn air suspension switch to the off position. (Switch is located on the left side of the trunk)
3. Remove front wheels.
4. Remove solenoid-retaining clip. (FIGURE 10-1)



FIGURE 10-1

5. Rotate solenoid counterclockwise to the first stop, then pull down on solenoid. **Make sure all the air vents out of the air spring.** Rotate again and remove solenoid.(FIGURE 10-2)



FIGURE 10-2

6. Remove air hose and unplug power to the solenoid. To remove the air hose, push down on the orange ring while pulling out on the nylon tubing. (FIGURE 10-3)



FIGURE 10-3

7. Unbolt the brake line and remove from mounting bracket. Unplug strut electrical damper solenoid. (FIGURE 10-4)



FIGURE 10-4

8. Remove the ABS sensor cable from strut. (FIGURE 10-5)



FIGURE 10-5

9. Unhook height sensor. (FIGURE 10-6)

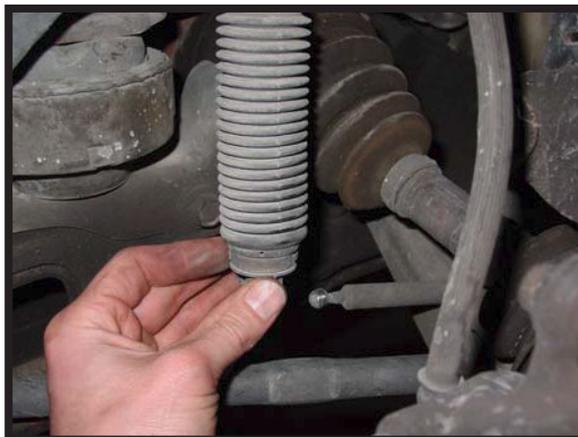


FIGURE 10-6

10. Remove lower knuckle pinch bolt and nut. (FIGURE 10-7)

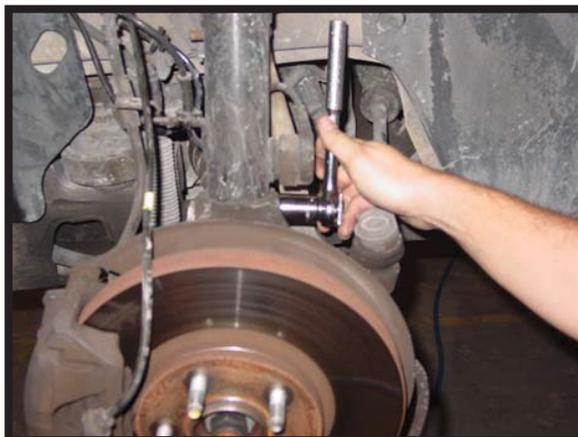


FIGURE 10-7

11. Remove stabilizer bar link nut. (FIGURE 10-8)



FIGURE 10-8

12. Remove stabilizer bar link from strut. (FIGURE 10-9)



FIGURE 10-9

13. Loosen top three mount-to-shock nuts. **Do not remove the large center nut.** (FIGURE 10-10)



FIGURE 10-10

14. Carefully remove the old air strut assembly from vehicle. (FIGURE 10-11)



FIGURE 10-11

FRONT COIL SPRING INSTALLATION



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

1. Install new coil spring/shock and three top mount nuts. (FIGURE 20-1)

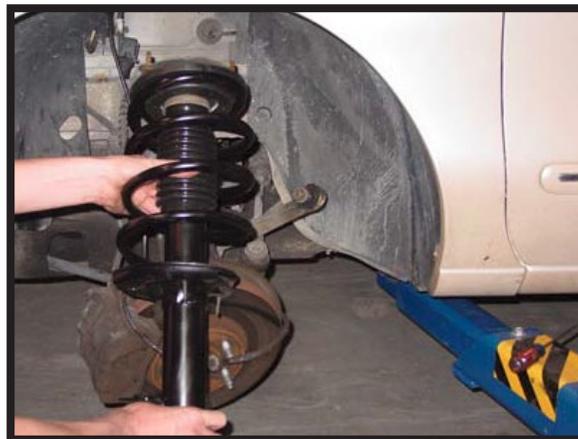


FIGURE 20-1

2. Install knuckle pinch bolt and nut. (Figure 20-2)



FIGURE 20-2

3. Tie back nylon tubing and electrical plug. (FIGURE 20-3)



FIGURE 20-3

4. Install stabilizer bar link and tighten nut. (REVERSE STEPS 11 AND 12)
5. Install brake line to the mounting bracket. (REVERSE STEP 7)
6. Install ABS cable relief back to strut mounting bracket. (REVERSE STEP 8)
7. Snap height sensor back to its lower ball stud. (REVERSE STEP 9)

REAR AIR SPRING REMOVAL

1. Remove solenoid-retaining clip. (FIGURE 30-1)



FIGURE 30-1

2. Rotate solenoid counterclockwise to the first stop, then pull outward on solenoid. Make sure all the air vents out of the air spring. Rotate again and remove solenoid. (FIGURE 30-2)



FIGURE 30-2

3. Remove air hose and unplug power to the solenoid. To remove the air hose, push down on the orange ring while pulling out on the nylon tubing. (FIGURE 30-3)



FIGURE 30-3

4. Depress the two plastic locking fingers on the top air spring cap. Push down on air spring and remove from top body bracket. (FIGURE 30-4)



FIGURE 30-4

5. Depress the four locking clips on the lower air spring piston. Push up through spring seat. (FIGURE 30-5)



FIGURE 30-5

6. Remove old air spring from vehicle. (FIGURE 30-6)



FIGURE 30-6

7. Remove lower spring seat nuts and bolts. (FIGURE 30-7)



FIGURE 30-7

8. Remove lower spring seat. (FIGURE 30-8)



FIGURE 30-8

9. Unbolt the top and bottom shock absorber retaining nuts and bolts and remove the rear shock absorbers. (FIGURE 30-9)



FIGURE 30-9

REAR COIL SPRING INSTALLATION



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

1. Install coil spring to upper and lower spring mounts using the aluminum spring mounts supplied with conversion kit. Very carefully, jack up on the center of the lower spring seat. (FIGURE 40-1)



FIGURE 40-1

2. Align the three (3) bolt holes up, and replace the bolts from the outside as shown in picture. (FIGURE 40-2)



FIGURE 40-2

- Using a wrench, replace the three (3) lower spring seat nuts. (FIGURE 40-3)



FIGURE 40-3

- Install the new rear shock absorbers and replace the top and bottom shock absorber nuts and bolts.
- Tie back nylon tubing and electrical plug.
- Replace wheels and lower suspension.