

# Installation Manual

## C-2290 ARNOTT COIL SPRING CONVERSION KIT FOR 2004-2007 JAGUAR XJ SERIES (X350)



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.

#### KIT CONTAINS:

#### PARTS LIST

P/N	QTY	DESCRIPTION
21-5019	1	ARNOTT FRONT COIL SPRING CONVERSION
21-5020	1	ARNOTT REAR COIL SPRING CONVERSION
21-6950	1	INSTRUCTION PACKET

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** 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.*

## FRONT AIR STRUT REMOVAL

1. RAISE VEHICLE.
2. REMOVE FRONT WHEELS.
3. REMOVE THE SWAY BAR END LINK NUT TO DISCONNECT IT FROM THE LOWER CONTROL ARM. (FIGURE 10-1)



FIGURE 10-1

4. REMOVE THE UPPER A-ARM BALL JOINT NUT AND SEPARATE THE UPPER A-ARM BALL JOINT. (FIGURE 10-2)

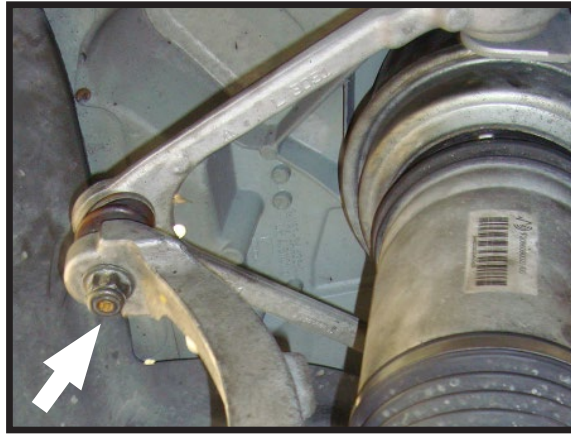


FIGURE 10-2

5. REMOVE THE LOWER SHOCK MOUNT NUT/BOLT. (FIGURE 10-3)



FIGURE 10-3

6. DISCONNECT THE ELECTRICAL CONNECTOR FROM THE TOP OF THE SHOCK (PUSH ON THE SIDES OF THE CONNECTOR TO RELEASE). **TIE OFF WIRES NOT NEEDED WITH COIL CONVERSION.** (FIGURE 10-4)

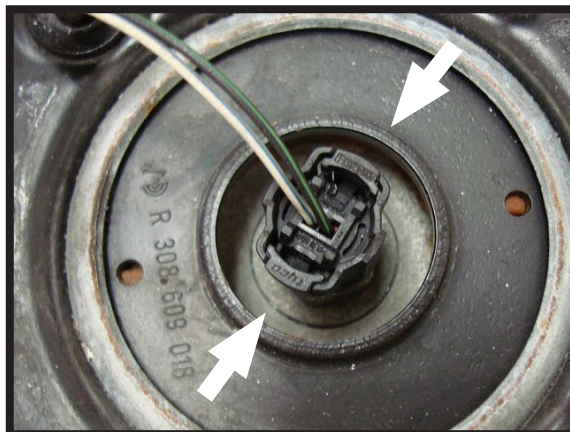


FIGURE 10-4

7. DISCONNECT THE AIR LINE FROM THE CHECK VALVE AND THE FOUR (4) SHOCK MOUNTING NUTS. (FIGURE 10-5)

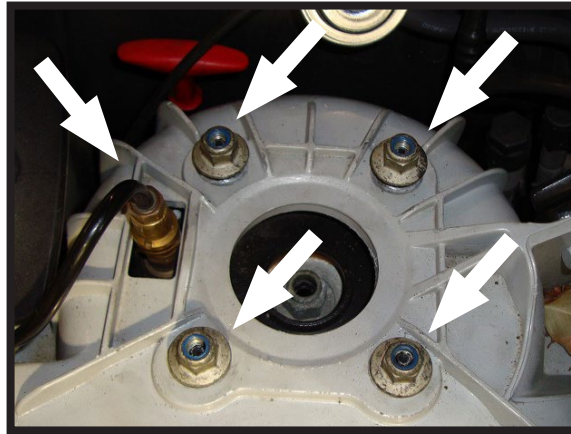


FIGURE 10-5

8. REMOVE AIR STRUT.

## FRONT COIL SPRING INSTALLATION



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

1. INSTALLATION IS IN REVERSE ORDER OF AIR STRUT REMOVAL.

## REAR AIR STRUT REMOVAL

1. REMOVE REAR WHEELS.  
2. REMOVE THE LUGGAGE COMPARTMENT SIDE TRIM TO EXPOSE THE TOP SIDE OF THE AIR STRUT. (FIGURE 20-1)



FIGURE 20-1

3. DISCONNECT THE AIR LINE FROM THE CHECK VALVE TO DEFLATE THE AIR STRUT. (FIGURE 20-2)



FIGURE 20-2

4. DISCONNECT THE ELECTRICAL CONNECTOR FROM THE TOP OF THE AIR STRUT (PUSH ON THE SIDES OF THE CONNECTOR TO RELEASE). (FIGURE 20-3)

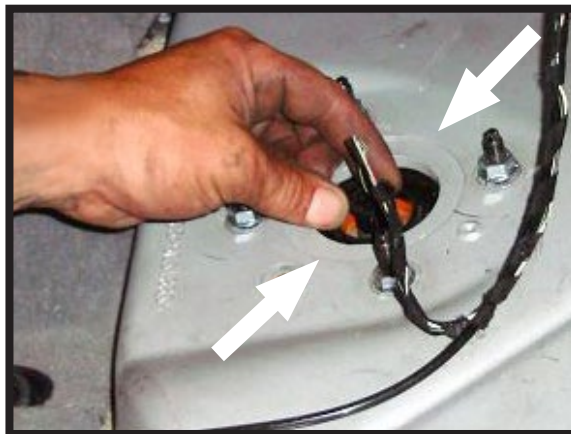


FIGURE 20-3

5. REMOVE THE FOUR (4) AIR STRUT MOUNTING NUTS. (FIGURE 20-4)

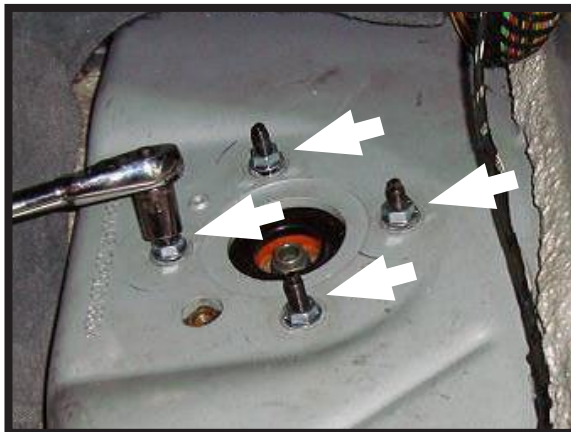


FIGURE 20-4

6. DETACH THE REAR TIE ROD. (FIGURE 20-5)



FIGURE 20-5

7. REMOVE THE LOWER AIR STRUT MOUNTING BOLT. (FIGURE 20-6)



FIGURE 20-6

8. REMOVE AIR STRUT. (FIGURE 20-7)



FIGURE 20-7

## REAR COIL SPRING INSTALLATION



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

1. INSTALLATION IS IN REVERSE ORDER OF AIR STRUT REMOVAL.

**NOTE:**

*If instrument cluster displays cats fault or air suspension error codes disconnect the battery for a minimum of 30 minutes to reset and clear any stored codes.*