

Installation Manual

C-2745
ARNOTT COIL SPRING CONVERSION KIT
FOR 2008-2010
JAGUAR XJ SERIES (X358)
W/ EBM



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
21-7928	1	ARNOTT FRONT COIL SPRING CONVERSION
21-7932	1	ARNOTT REAR COIL SPRING CONVERSION
21-7927	1	INSTRUCTION PACKET

GENERAL INFORMATION:

- 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)

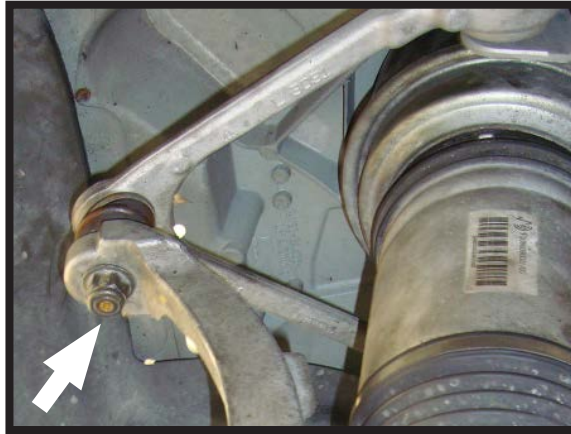


FIGURE 10-2

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)

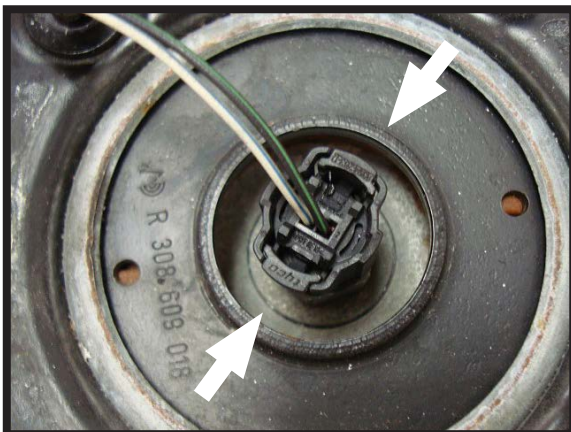


FIGURE 10-4

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

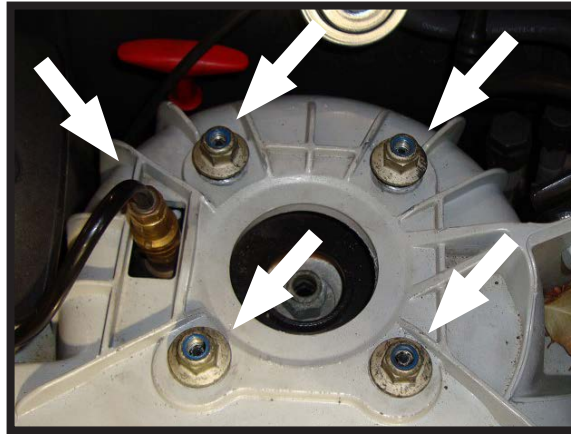


FIGURE 10-5

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.

NOTE:

With vehicle properly lifted, shift the car into neutral to release tension on the rear suspension prior to disassembly.

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)

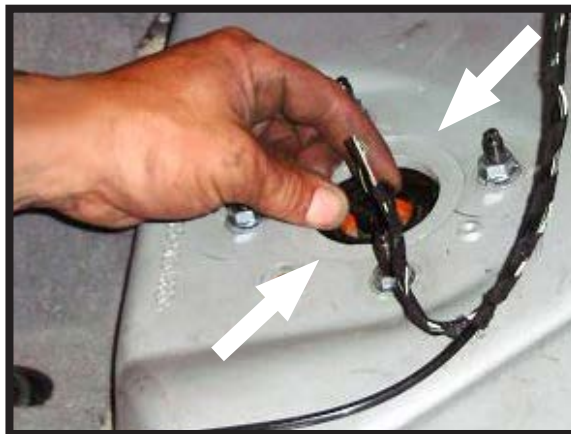


FIGURE 20-3

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

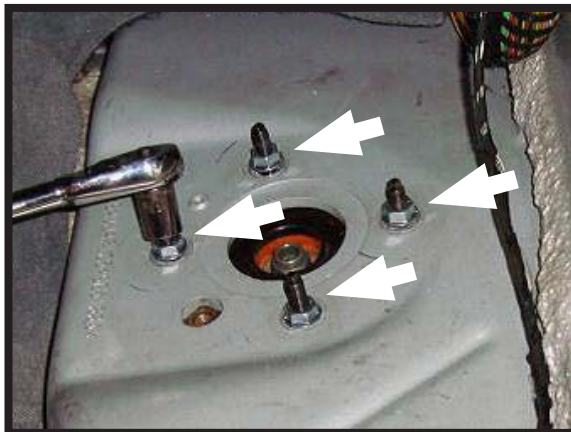


FIGURE 20-4

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)

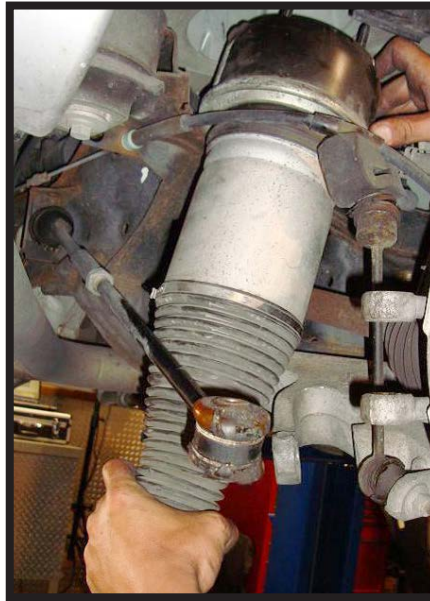


FIGURE 20-7

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.

ELECTRONIC BYPASS MODULE INSTALLATION

1. REMOVE REAR SEAT BY PULLING LEVERS UNDER CUSHION, 2 PER SIDE AND LIFTING SEAT. (FIGURE A)

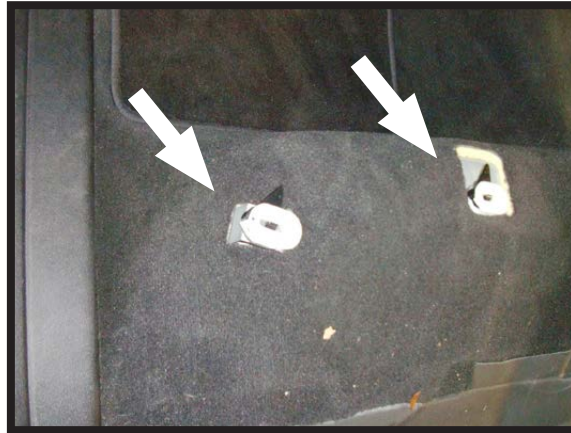


FIGURE A

2. PULL CORD TO RELEASE SEAT BACK WHILE ROTATING TOP OF SEAT FORWARD, BOTH SIDES. (FIGURE B)

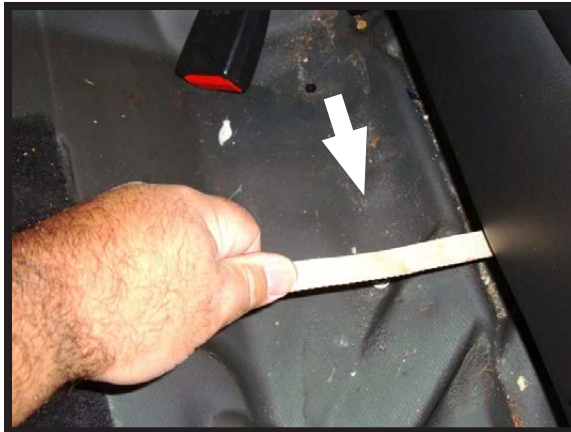


FIGURE B

3. PULL INSULATION FORWARD ON PASSENGER SIDE OF VEHICLE TO ACCESS COMPUTER. (FIGURE C)



FIGURE C

4. UNPLUG ALL CONNECTORS FROM THE CONTROL MODULE. (FIGURE D)

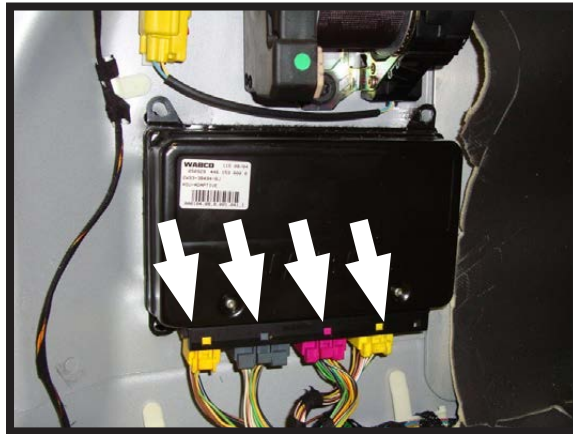


FIGURE D

5. LOCATE THE YELLOW, 5-PIN CONNECTOR. (FIGURE E)

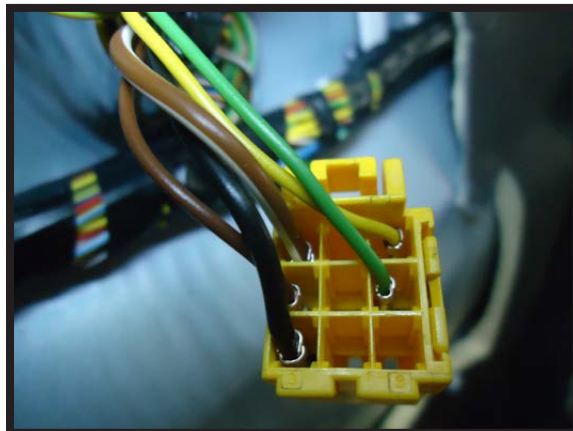


FIGURE E

6. INSTALL THE FOUR (4) CONNECTOR SPLICE TO MALE SPADE TERMINALS ONTO THE WIRES USING THE DIAGRAM PROVIDED. (FIGURE F)

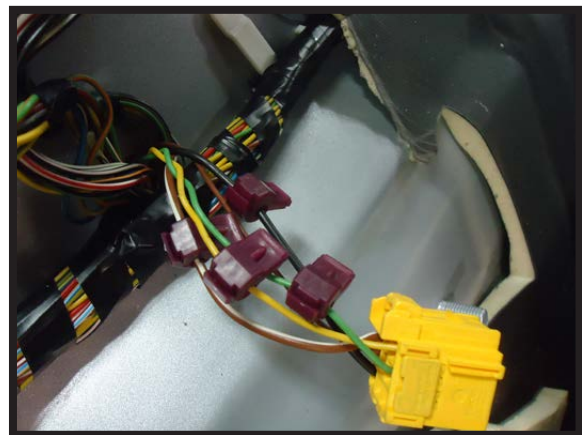
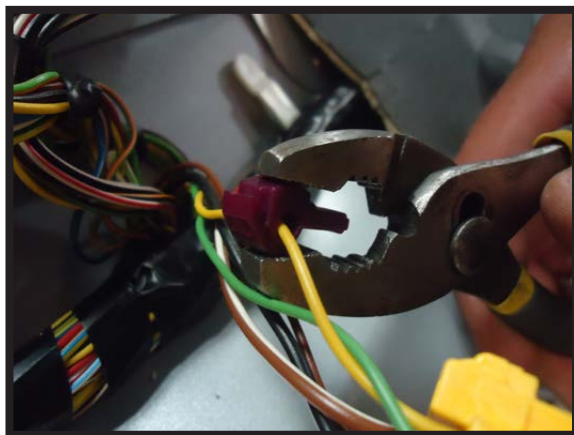


FIGURE F

ELECTRONIC BYPASS MODULE	FROM	TO	PIN#	VEHICLE'S WIRING HARNESS
	RED	BROWN W/WHITE STRIPE	1	
	BLACK	BLACK	3	
	BLUE	YELLOW	7	
	GREEN	GREEN	8	

7. CONNECT THE EBM TO THE TERMINALS USING THE DIAGRAM PROVIDED. (FIGURE G)

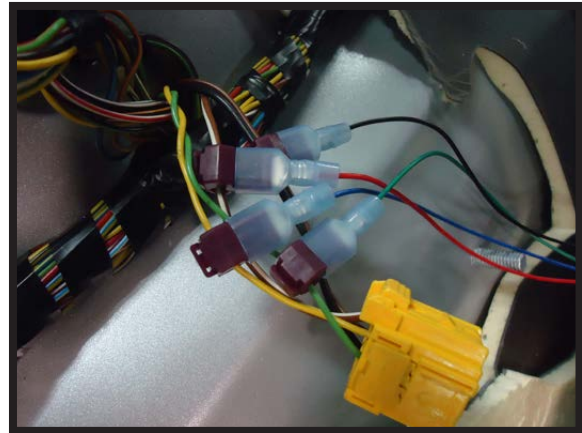
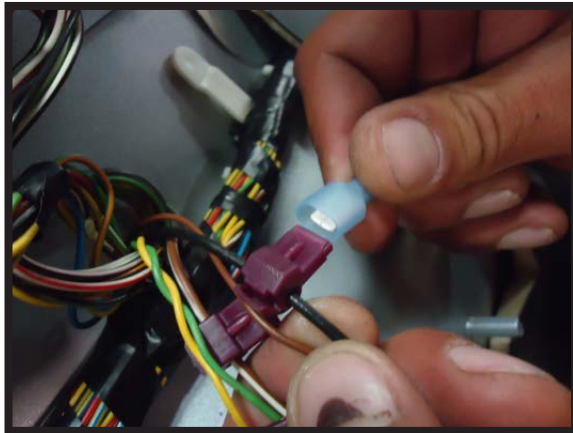


FIGURE G

8. SECURE THE EBM AND VEHICLE'S WIRING HARNESS IN A SUITABLE LOCATION. ***Do not plug the vehicles wiring harness back into the air suspension's control module.***

9. REINSTALL THE SEAT.

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.*