



INSTALLATION MANUAL

AS-2891 Arnott New Rear Air Strut Jaguar XJ Series (X350/8 Chassis, w/Sport Suspension)



Engineered to Ride, Built to Last[®]

CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® SUSPENSION PRODUCT

WE AT ARNOTT LLC ARE PROUD TO OFFER A HIGH QUALITY PRODUCT WITH ALL THE TECHNICAL SUPPORT YOU NEED. 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 and certified automotive 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.

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 and www.arnotteurope.com.



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.

- Not to be stored below 5°F (-15°C) and 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.

For vehicles with a "Closed Air Supply System," replacement of components requires proper adherence to procedures set forth within OE servicing literature. Failure to comply with the OE prescribed procedures can result in component damage and/or failure.



WARNING:

With the rear wheels off the ground, shift the vehicle from park to Neutral, and then back to Park to release the drivetrain bind. This aides in the removal of the tie rod fasteners in later steps.

AIR STRUT REMOVAL

1. Raise vehicle.
2. Disengage the EPB (Electric Parking Brake) with the ignition in the On position. Apply the footbrake and press the EPB switch on the center console down.
3. Shift the vehicle from Park to Neutral and then back to Park to release the drivetrain bind. This aides in the removal of the tie rod fasteners in later steps.
4. Turn off the ignition and disconnect the battery.
5. Remove rear wheels.
6. Remove the luggage compartment side trim to expose the top sides of the air strut. (Figure 1)



FIGURE 1

7. Disconnect the air line from the check valve. (Figure 2)



FIGURE 2

8. Remove the air line fitting from the air hose and discard. (Figure 3)

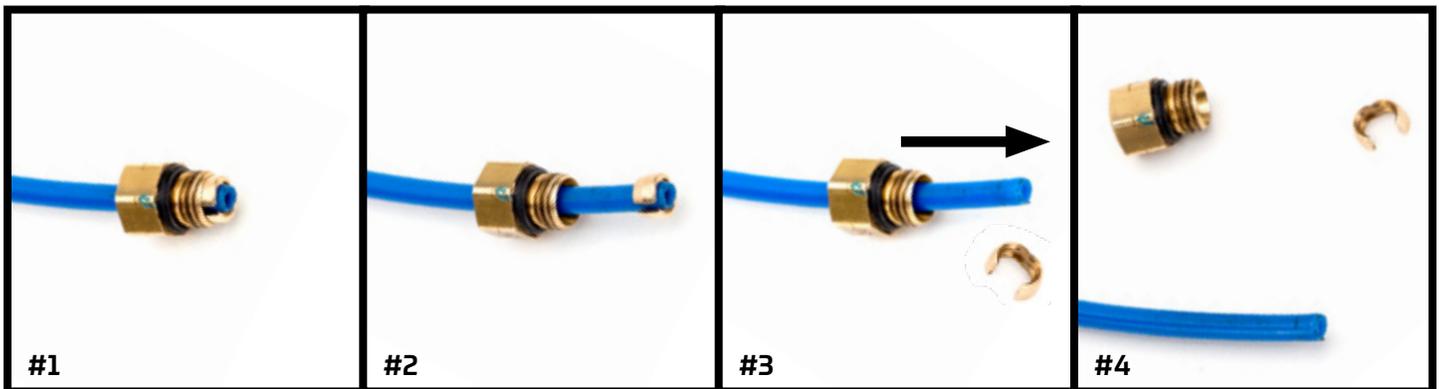
REMOVAL



Prior to inserting the existing air line into the new air strut you will need to remove the old original equipment air line fitting and discard.

NOTE:

Scratches and/or deep cuts in the air line can result in possible leaks. Inspect the air line before insertion. Air line needs to be replaced if damaged.



#1 OE AIR LINE FITTING

#2 SLIDE THE THREADED PORTION UP THE LINE AND SPREAD THE COLLET OPEN TO REMOVE

#3 SLIDE THE AIR FITTING OFF OF THE AIR LINE

#4 DISCARD OE AIR LINE FITTING

FIGURE 3

9. Disconnect the electrical connector from the top of the air strut (push on the sides of the connector to release). (Figure 4)

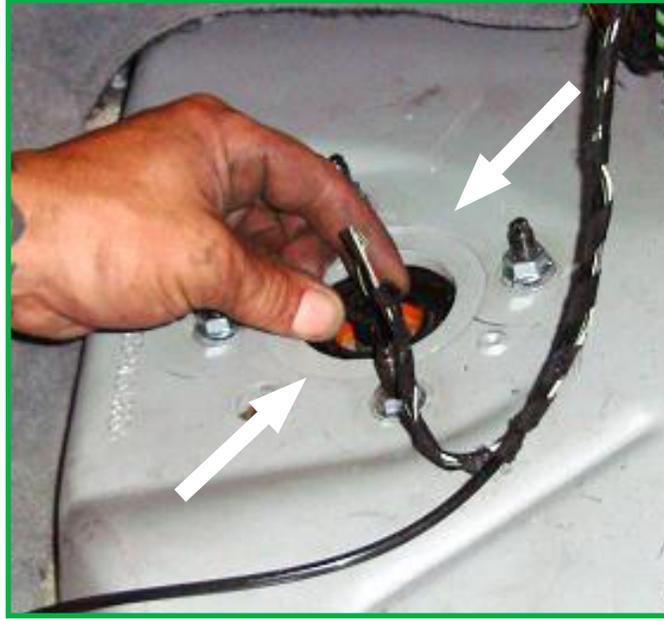


FIGURE 4

10. Remove the four (4) air strut mounting nuts. (Figure 5)

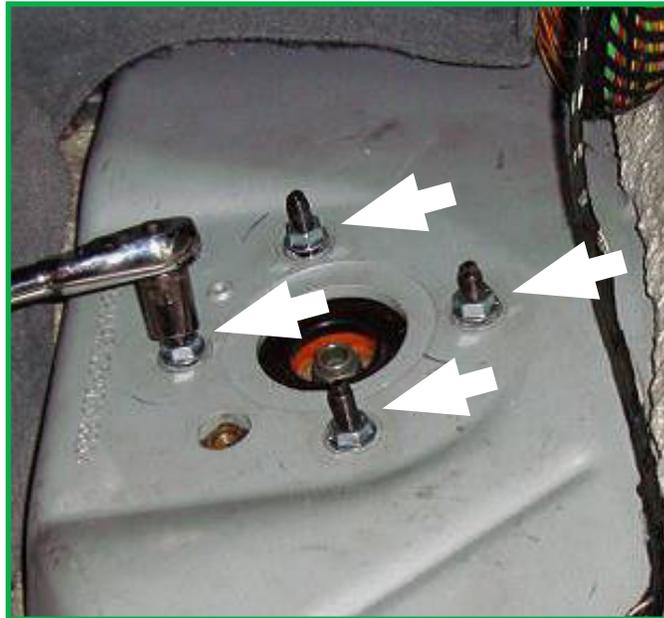


FIGURE 5

11. Detach the rear tie rod. (Figure 6)

NOTE: If the vehicle is equipped with a separate EPB (Electronic Parking Brake) caliper situated above the tie rod fastener, disconnect the EPB by removing the 2 mounting bolts and setting aside. (Figures 7, 8)

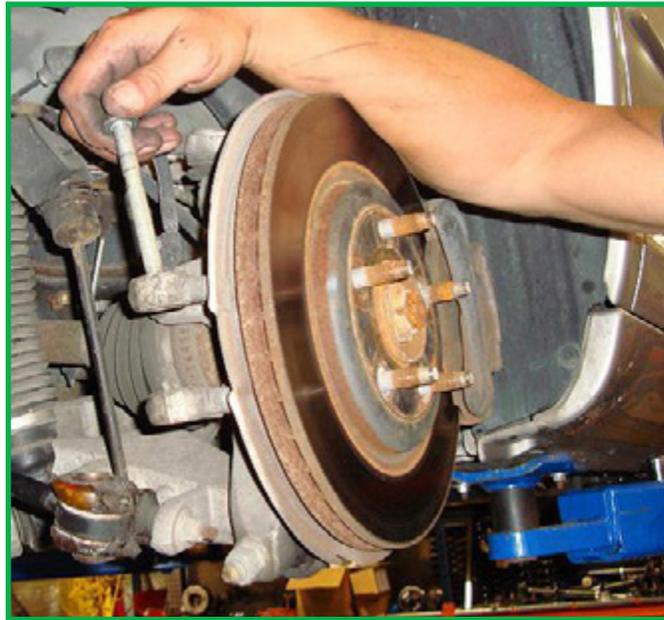


FIGURE 6



FIGURE 7



FIGURE 8

12. Remove the lower air strut mounting bolt. (Figure 9)



FIGURE 9

13. Remove air strut. (Figure 10)



FIGURE 10

14. Removal complete.

AIR STRUT INSTALLATION



WARNING:

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



WARNING:

Do not remove the air fitting from the air strut. 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. Reusing factory hardware where applicable.

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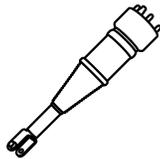
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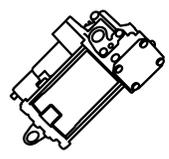
Air Springs



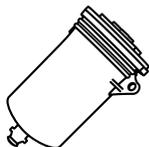
Struts



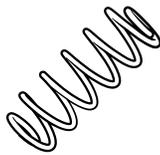
Shocks



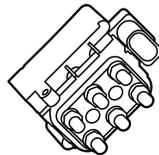
Compressors



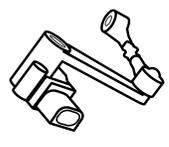
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors