

# INSTALLATION MANUAL

## SK-3393 Arnott New Front Coil-over Strut Cadillac XTS (EPS II)



**Engineered to Ride, Built to Last®**

# CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® AIR 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](http://www.arnottinc.com) and [www.arnotteurope.com](http://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.

## FRONT STRUT REMOVAL

1. Raise vehicle and remove the applicable front wheel. (Figure 1)



FIGURE 1

2. Disconnect the strut electrical connection from the harness. (Figures 2, 3)



FIGURE 2



FIGURE 3



3. Remove the electrical connection harness bracket from the assembly. (Figures 4, 5)

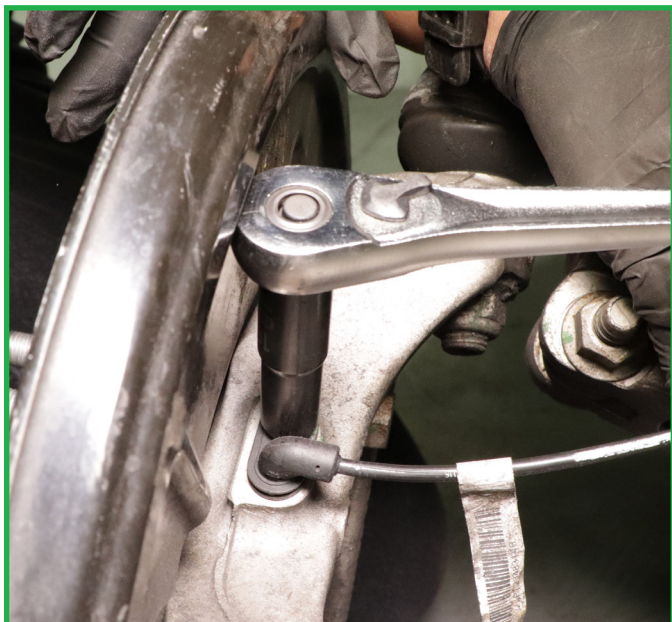


FIGURE 4



FIGURE 5

4. Remove the tie rod nut and disconnect the tie rod. (Figures 6, 7, 8)

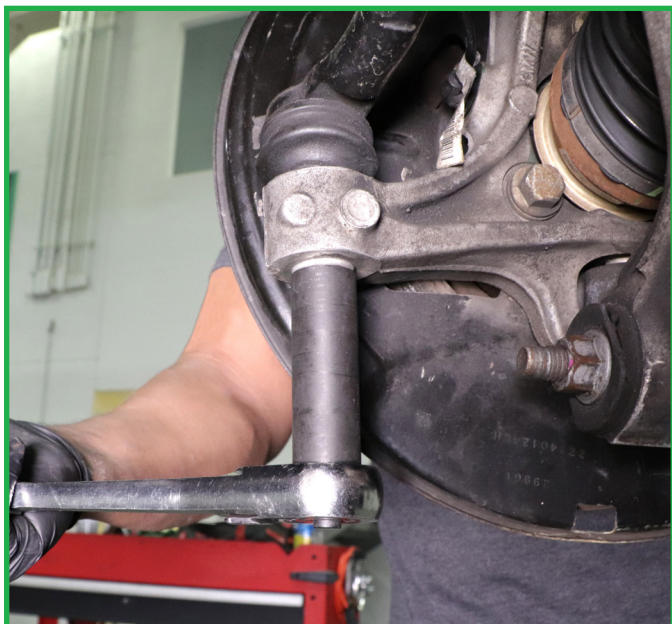


FIGURE 6



FIGURE 7





FIGURE 8

5. Remove the two (2) brake caliper bolts. (Figures 9, 10, 11)



FIGURE 9



FIGURE 10



FIGURE 11

6. Remove and secure the brake caliper to relieve weight and tension on the brake line. (Figure 12)

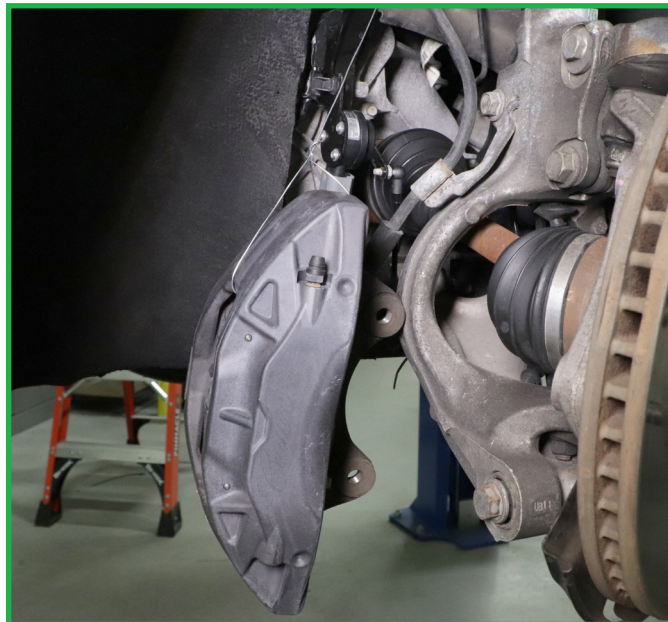


FIGURE 12



7. Remove the rotor. (Figures 13, 14)



FIGURE 13

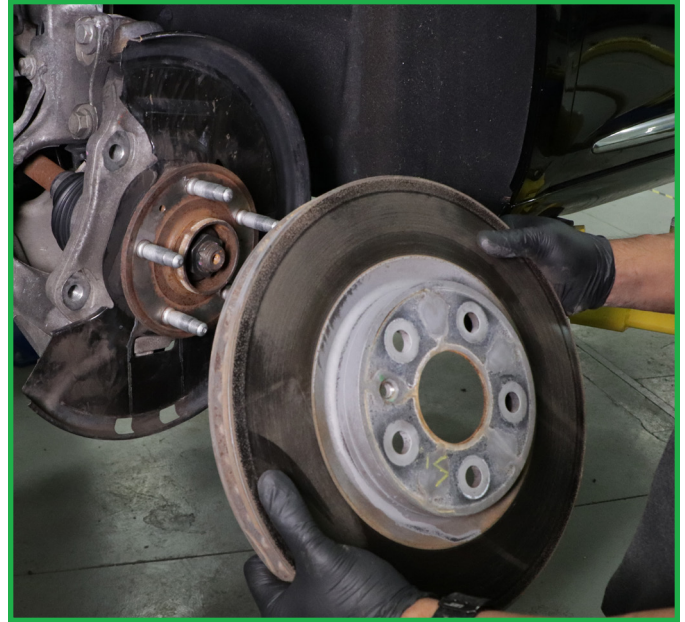


FIGURE 14

8. Remove the axle nut. (Figures 15, 16)



FIGURE 15



FIGURE 16



9. Remove the sway bar end link nut and disconnect the sway bar end link. (Figures 17, 18)



FIGURE 17

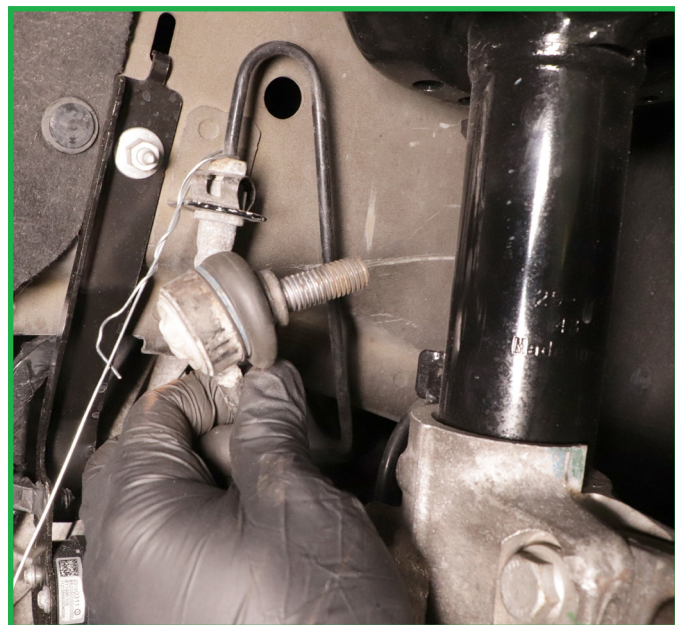


FIGURE 18

10. Remove the clevis mount pinch bolt and nut. (Figures 19, 20)

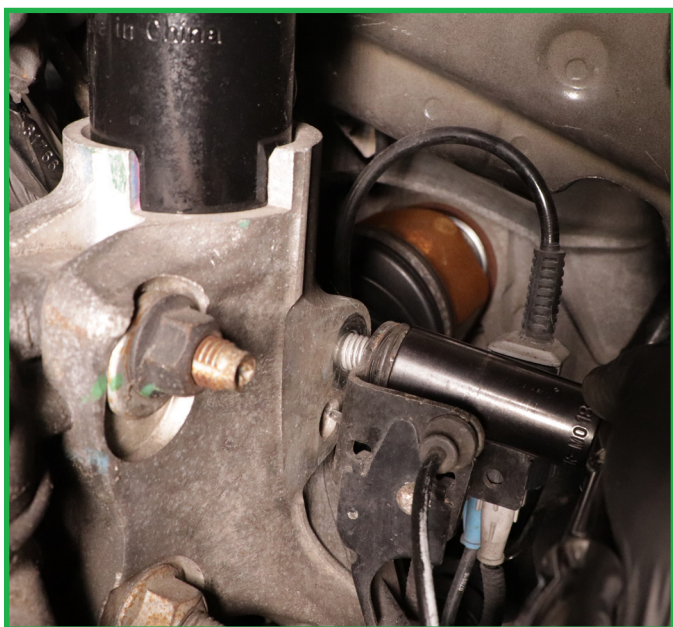


FIGURE 19

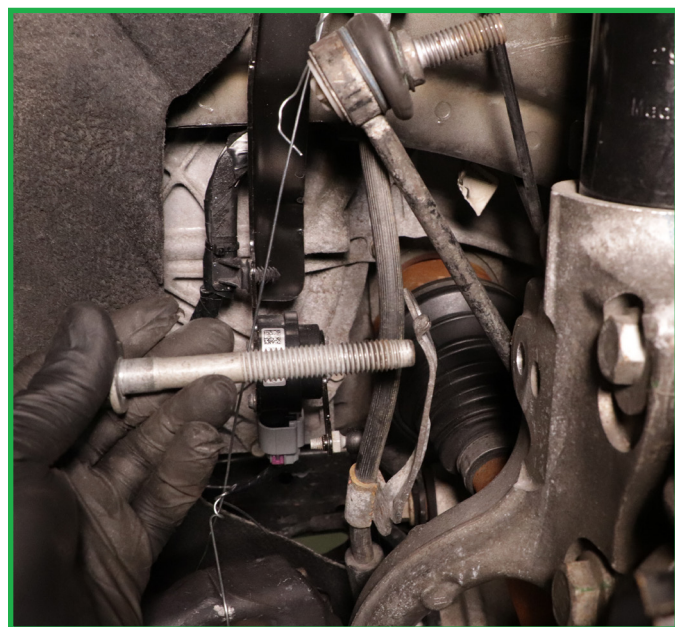


FIGURE 20



11. Remove the lower mount nut and bolt. (Figures 21, 22, 23)



FIGURE 21

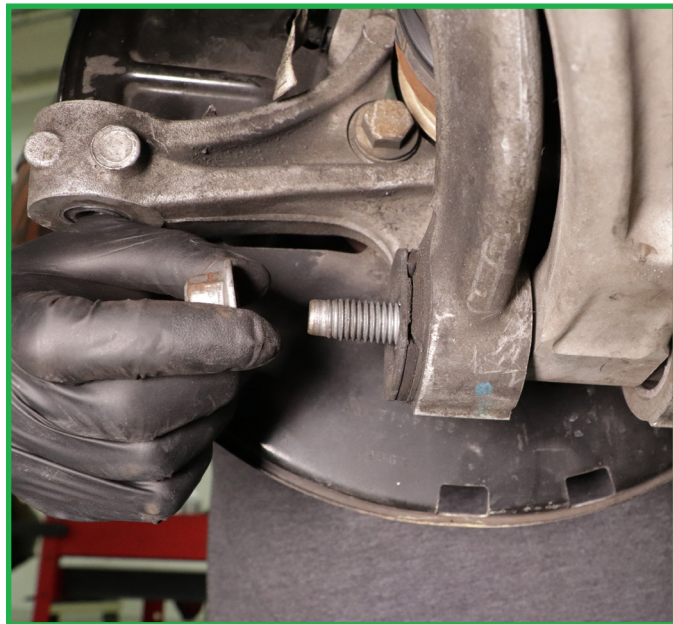


FIGURE 22



FIGURE 23



12. Remove the trim covering the shock tower to gain access to the top mount. (Figures 24, 25)



FIGURE 24



FIGURE 25

13. Remove the strut top mount nut. It will be reused for installation. (Figures 26, 27)

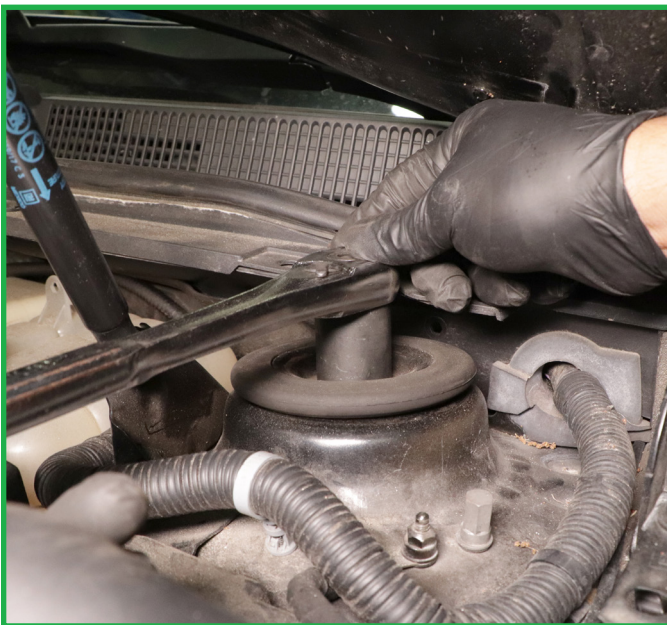


FIGURE 26



FIGURE 27



14. Remove the strut mount washer. It will be reused for installation. (Figure 28)



FIGURE 28

15. Remove the strut and hub/knuckle/clevis mount assembly from the vehicle. (Figure 29)



FIGURE 29

16. Separate the old strut from the hub/knuckle/clevis mount assembly. (Figure 30)



FIGURE 30

17. Removal complete.

## FRONT STRUT INSTALLATION



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

1. Insert the new strut into the clevis mount on the hub/knuckle assembly. Ensure that the strut is seated completely and in the correct orientation. (Figures 31, 32)



FIGURE 31



FIGURE 32

2. Install the assembly on the vehicle. (Figure 33)



FIGURE 33

3. Reinstall the the strut mount washer. (Figure 34)



FIGURE 34



4. Reinstall the top strut mount nut. Tighten to manufacturer's specifications. (Figures 35, 36)



FIGURE 35

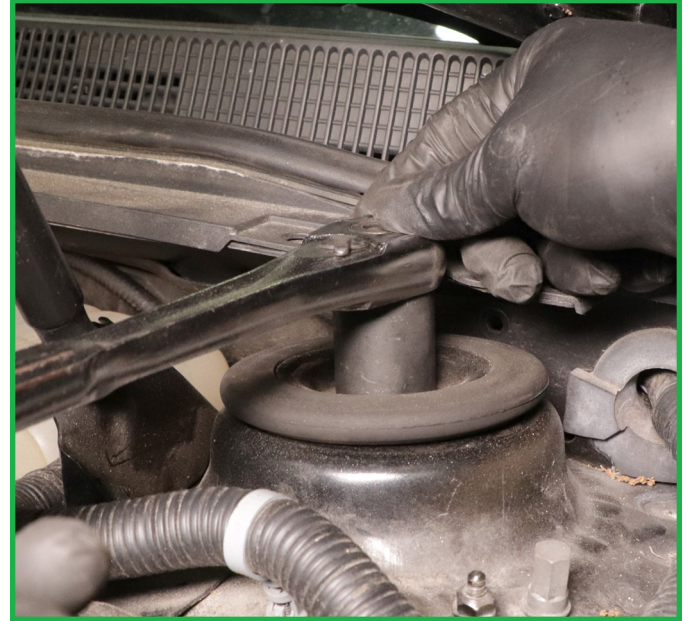


FIGURE 36

5. Reinstall the trim covering the shock tower. (Figures 37, 38)



FIGURE 37

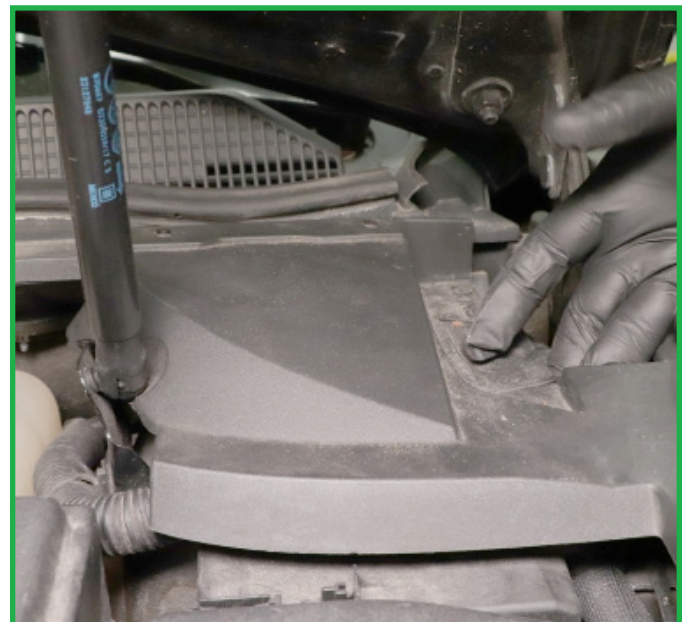


FIGURE 38

6. Reinstall the lower mount bolt and nut. Tighten to manufacturer's specifications. (Figures 39, 40, 41)



FIGURE 39

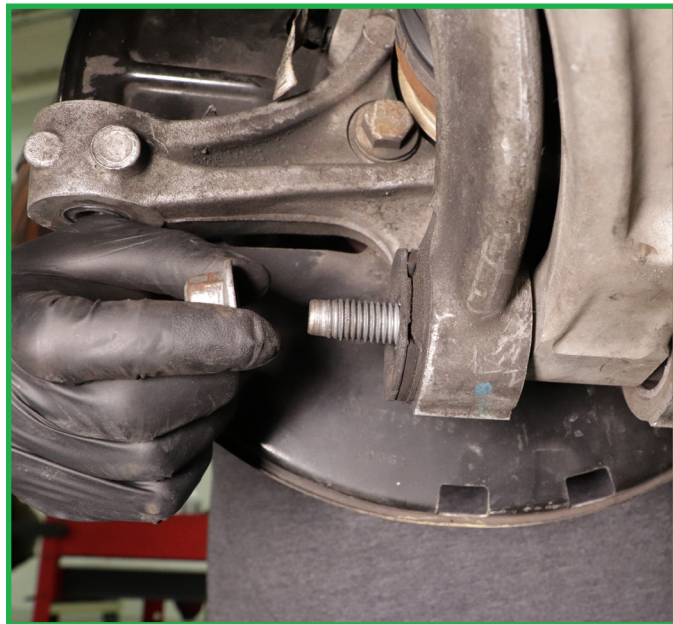


FIGURE 40



FIGURE 41



7. Reinstall the clevis mount pinch bolt and nut. Tighten to manufacturer's specifications. (Figures 42, 43)

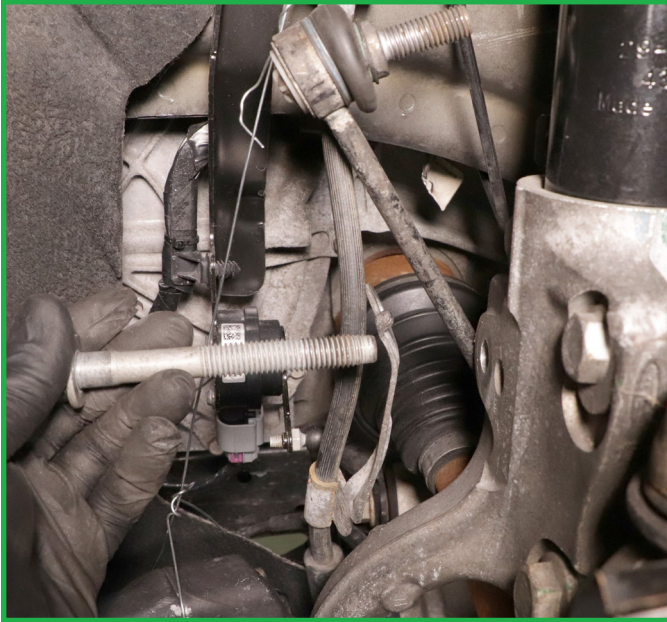


FIGURE 42

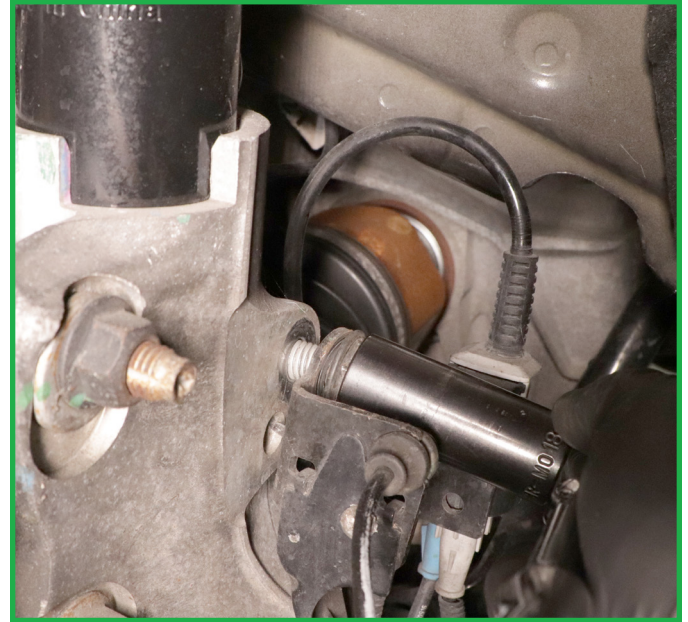


FIGURE 43

8. Reconnect the sway bar end link and reinstall the end link nut. Tighten to manufacturer's specifications. (Figures 44, 45)

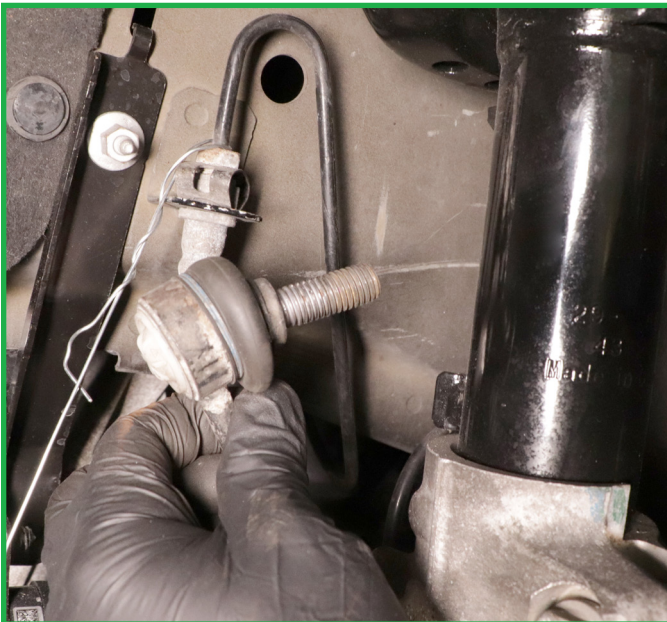


FIGURE 44

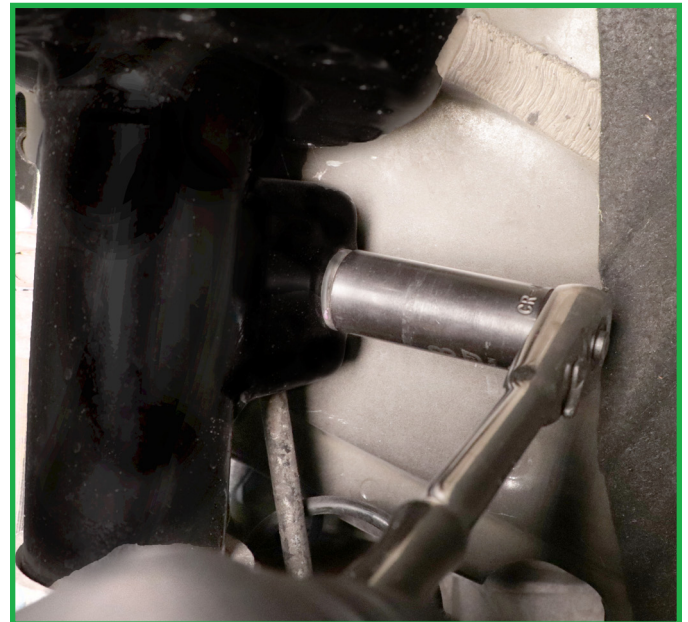


FIGURE 45



9 Reinstall the axle nut. Tighten to manufacturer's specifications. (Figures 46, 47)



FIGURE 46



FIGURE 47

10. Reinstall the rotor. (Figures 48, 49)

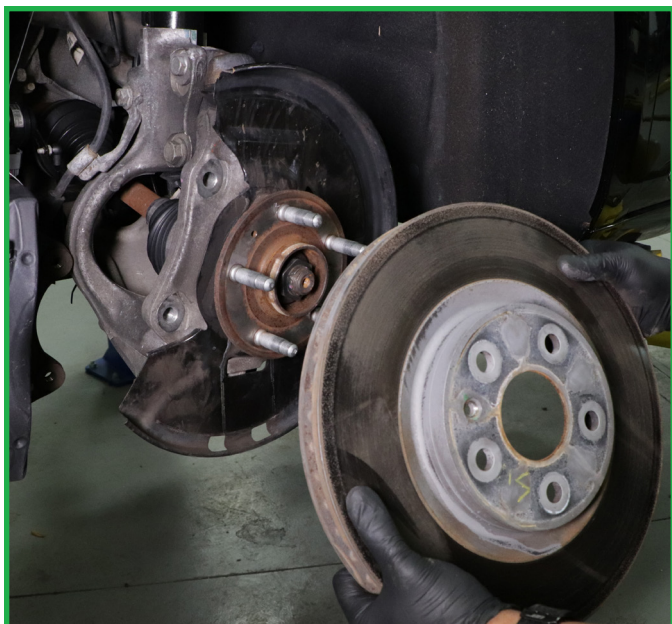


FIGURE 48



FIGURE 49



11. Reinstall the brake caliper and two (2) bolts. Tighten to manufacturer's specifications. (Figures 50, 51, 52)



FIGURE 50



FIGURE 51



FIGURE 52



12. Reconnect the tie rod and reinstall the tie rod nut. Tighten to manufacturer's specifications. (Figures 53, 54, 55)



FIGURE 53



FIGURE 54



FIGURE 55



13. Reconnect the electrical connection harness bracket to the assembly. (Figures 56, 57)



FIGURE 56



FIGURE 57

14. Connect the strut electrical connection to the harness. (Figures 58, 59)



FIGURE 58



FIGURE 59

15. Reinstall the wheel.  
16. Lower the vehicle.  
17. Installation complete.



# Arnott®

Air Suspension Products

## Arnott US Business Office:

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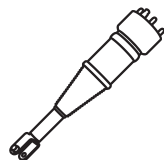
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**FR Phone:** +33 18 626 72 41

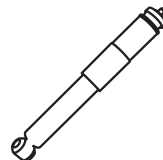
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



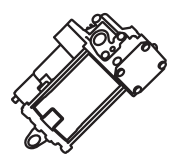
**Air Springs**



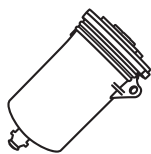
**Struts**



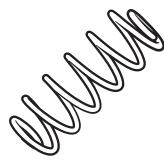
**Shocks**



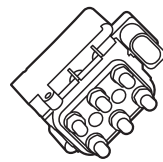
**Compressors**



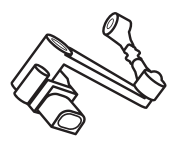
**Dryers**



**Coil Spring  
Conversion Kits**



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