

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.*

## 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.*

- 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.*

## AIR STRUT REMOVAL

1. RAISE VEHICLE.
2. REMOVE LEFT REAR WHEEL.
3. REMOVE COVER FROM CONTROL ARM. (FIGURE 1)



FIGURE 1

4. DISCONNECT RIDE HEIGHT SENSOR ARM (FIGURES 2, 3)

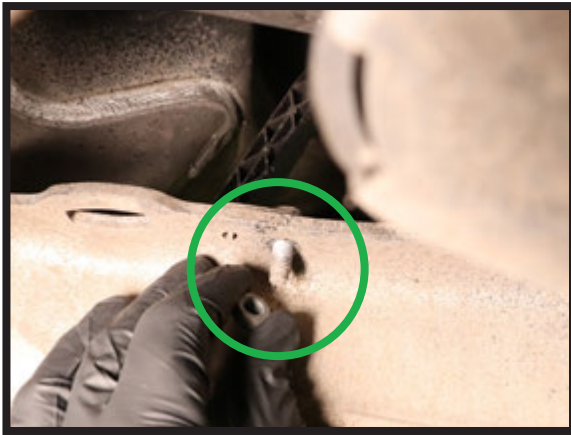


FIGURE 2



FIGURE 3

5. GAIN ACCESS TO TOP NUTS AND AIRLINE BY REMOVING REAR SPEAKER AND FOAM INSERTS UNDERNEATH. REMOVE THE AIR LINE. (FIGURES 4, 5)



FIGURE 4



FIGURE 5

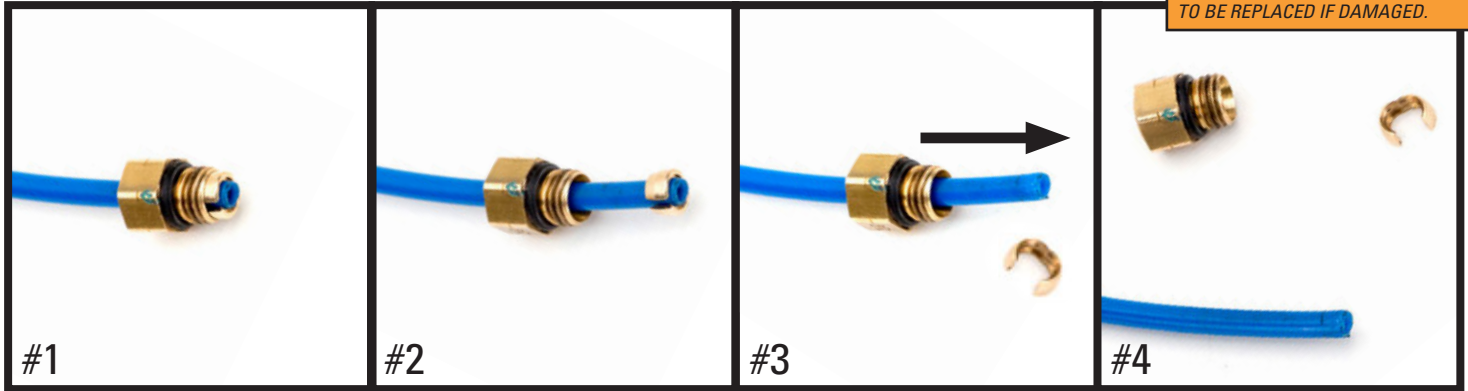
6. REMOVE OE AIR LINE FITTING FROM THE AIR LINE AND DISCARD. USE THE FIGURE BELOW AS AN EXAMPLE. (FIGURE 6)

## 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 6

7. DISCONNECT BOTH ELECTRICAL CONNECTORS. (FIGURES 7, 8)

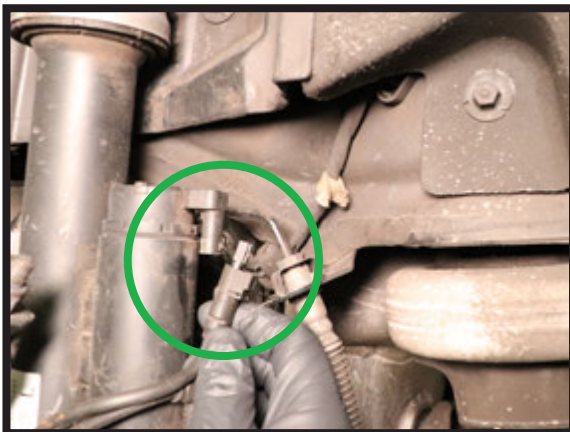


FIGURE 7

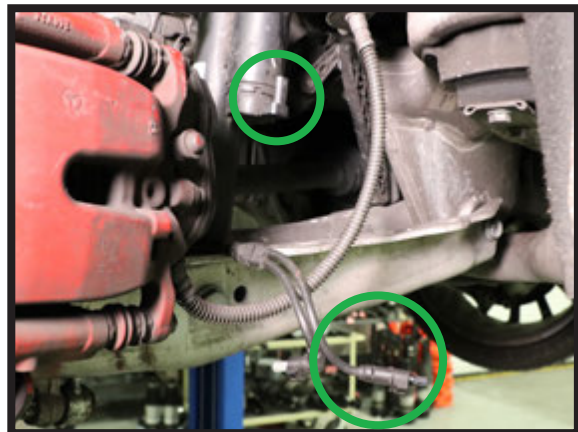


FIGURE 8



8. REMOVE SWAY BAR LINKAGE. (FIGURES 9, 10, 11)



FIGURE 9

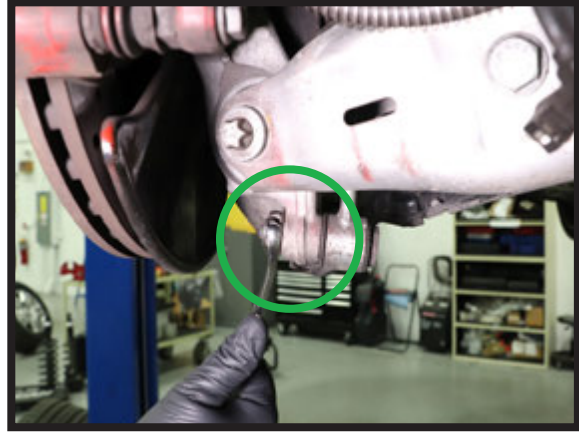


FIGURE 10

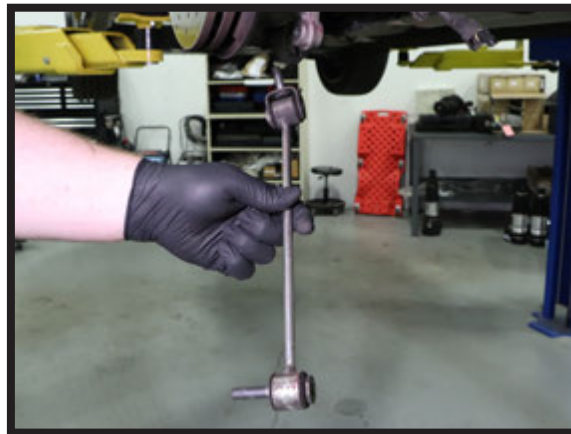


FIGURE 11

9. REMOVE LOWER STRUT BOLT. (FIGURES 12, 13)

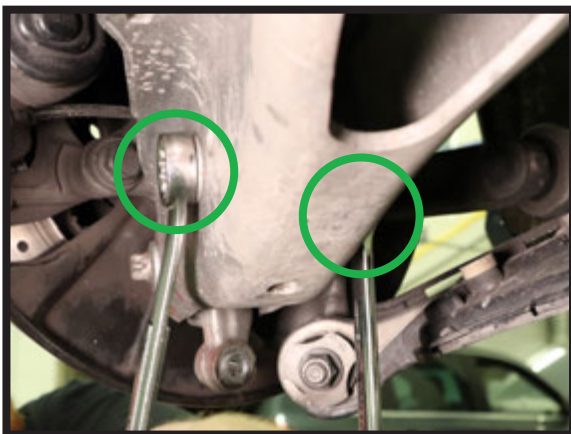


FIGURE 12



FIGURE 13

10. DISCONNECT TORSION BAR FROM WHEEL CARRIER. (FIGURES 14, 15)



FIGURE 14



FIGURE 15

11. LOOSEN CONTROL ARM AT REAR AXLE CARRIER. DISCONNECT CONTROL ARM AT WHEEL CARRIER. SWING CONTROL ARM DOWN. (FIGURES 16, 17, 18)



FIGURE 16

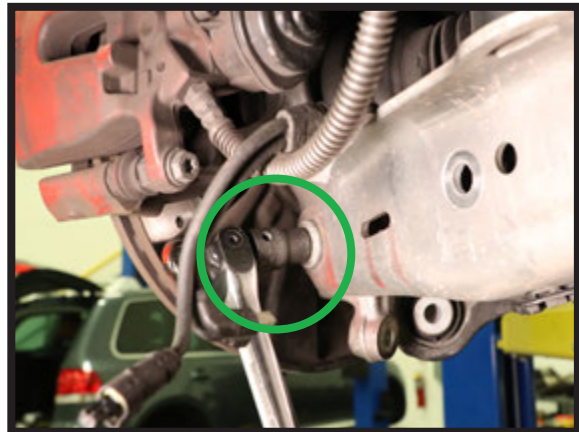


FIGURE 17



FIGURE 18

12. WITH ASSISTANCE, REMOVE THE THREE (3) TOP NUTS FROM THE STRUT AND REMOVE FROM VEHICLE. (FIGURES 19, 20, 21)



FIGURE 19

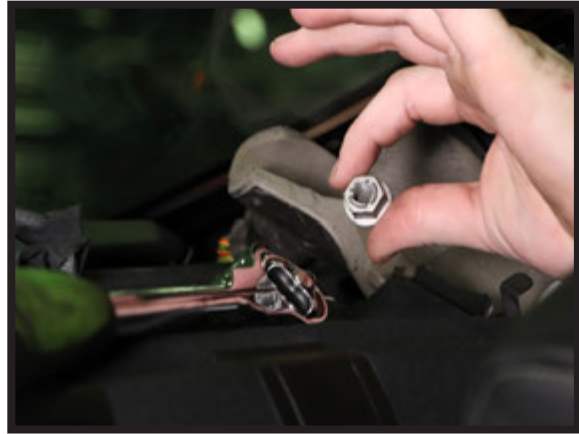


FIGURE 20



FIGURE 21

13. REMOVAL COMPLETE.



## AIR STRUT INSTALLATION



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

1. REMOVE THE SHIPPING PLUG FROM THE CHECK VALVE AND INSTALL THE VOSS FITTING FROM THE PROVIDED ACCESSORY KIT ON TO THE ARNOTT AIR STRUT. REMOVE THE SHIPPING PIN FROM THE VOSS FITTING. USE THE FIGURES BELOW AS AN EXAMPLE. (FIGURE 22)

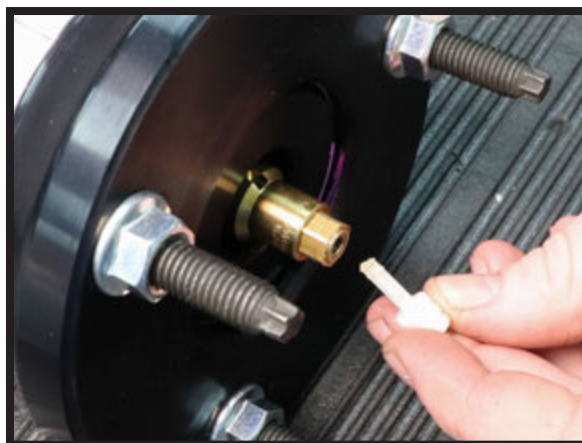
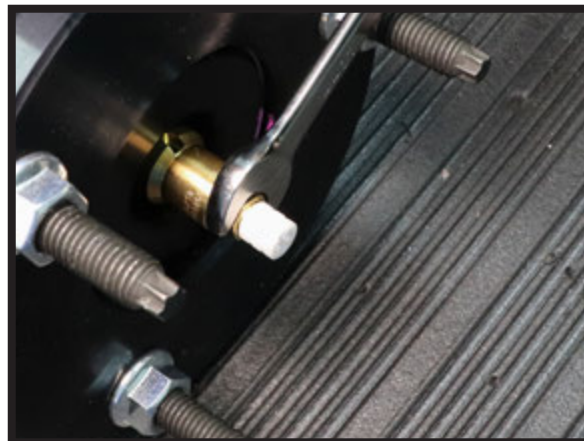
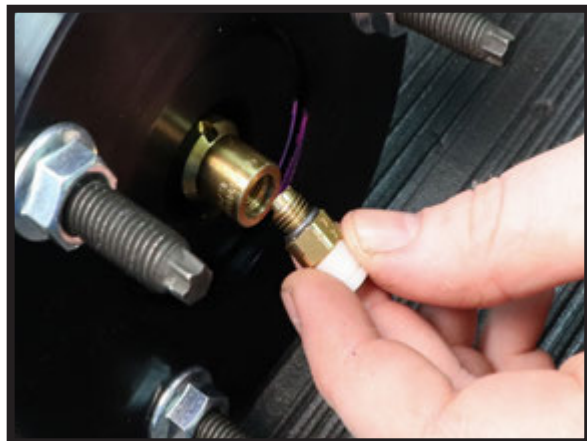


FIGURE 22



2. INSTALL THE ARNOTT STRUT ONTO THE VEHICLE IN THE SAME ORIENTATION AS REMOVED. (FIGURE 23)



FIGURE 23

3. INSTALL THE PROVIDED TOP NUTS LOOSELY TO RETAIN STRUT IN PLACE. (FIGURE 24)



FIGURE 24

4. SUPPORT CONTROL ARM BY LOOSELY INSERTING WHEEL CARRIER BOLT. INSTALL LOWER SHOCK BOLT. TIGHTEN SHOCK BOLT TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 25, 26 ,27)



FIGURE 25

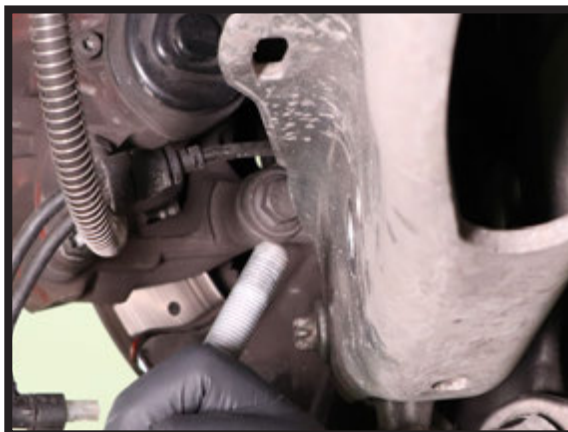


FIGURE 26

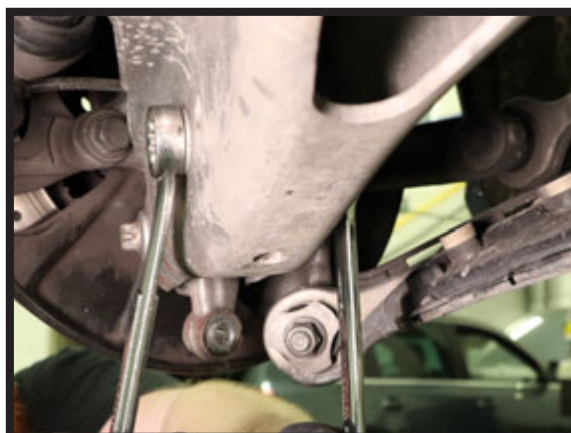


FIGURE 27

5. TIGHTEN CONTROL ARM TO WHEEL CARRIER BOLT. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 28)

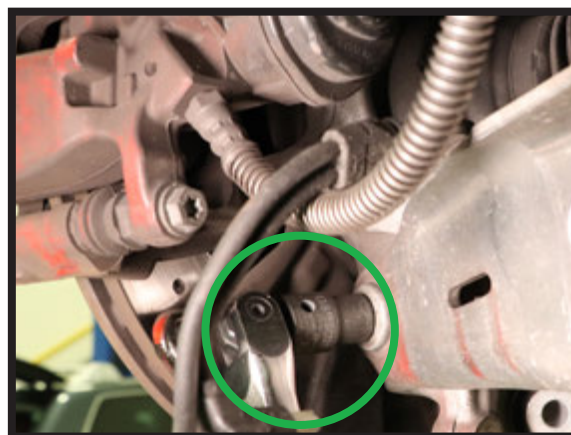


FIGURE 28

6. CONNECT TORSION BAR TO WHEEL CARRIER. (FIGURES 29, 30)

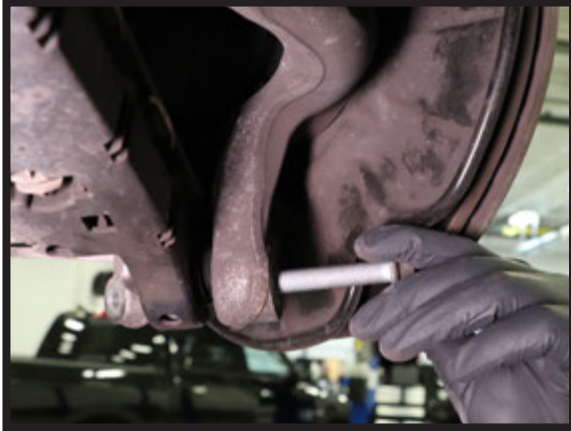


FIGURE 29

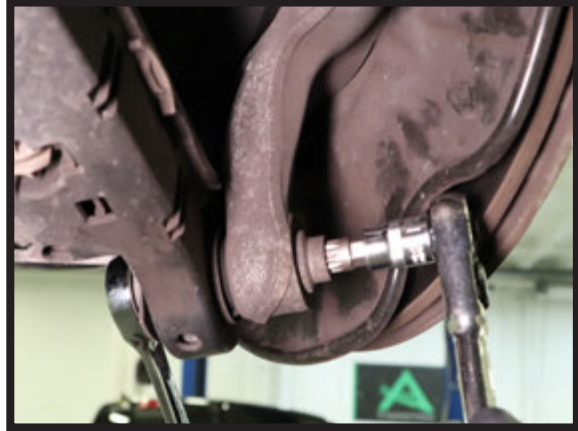


FIGURE 30

7. INSTALL SWAY BAR LINKAGE. (FIGURES 31, 32, 33)

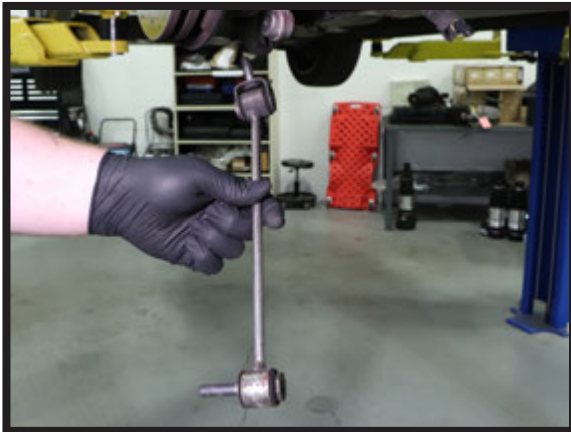


FIGURE 31

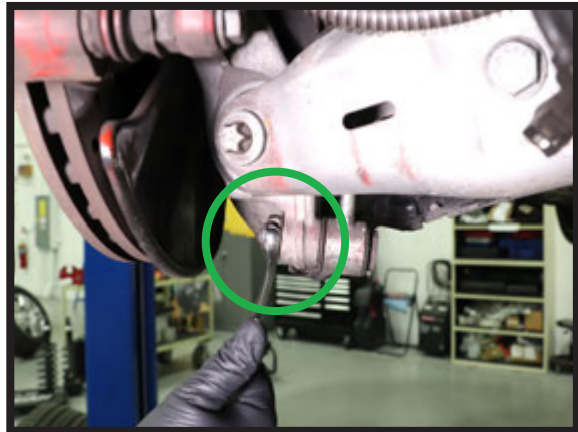


FIGURE 32

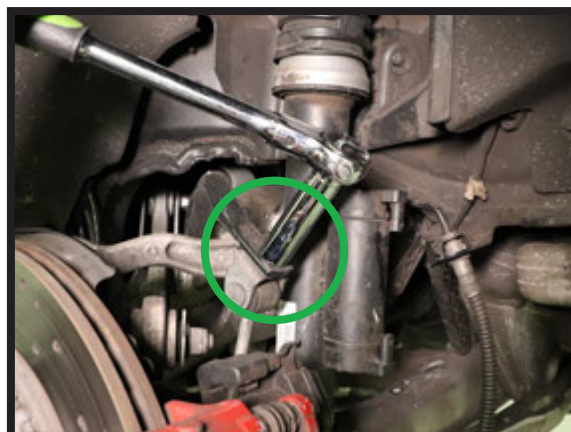


FIGURE 33



8. TIGHTEN CONTROL ARM AT AXLE CARRIER. (FIGURE 34)



FIGURE 34

9. CONNECT THE TWO (2) ELECTRICAL CONNECTIONS TO THE STRUT. (FIGURES 35, 36)

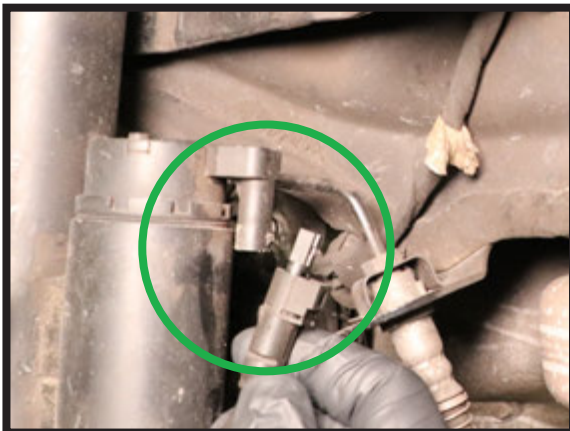


FIGURE 35

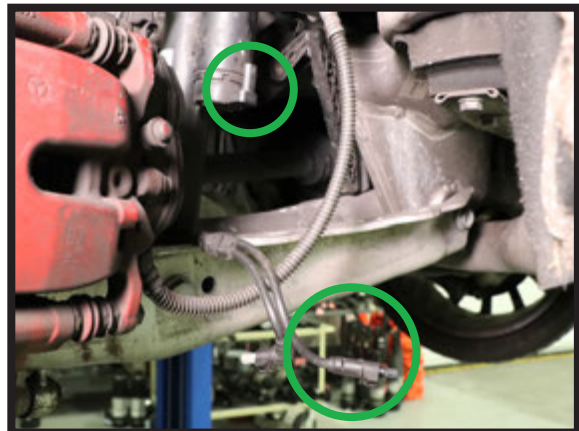


FIGURE 36

10. REINSTALL THE RIDE HEIGHT SENSOR IN THE EXACT ORIENTATION AS REMOVED. (FIGURE 37)

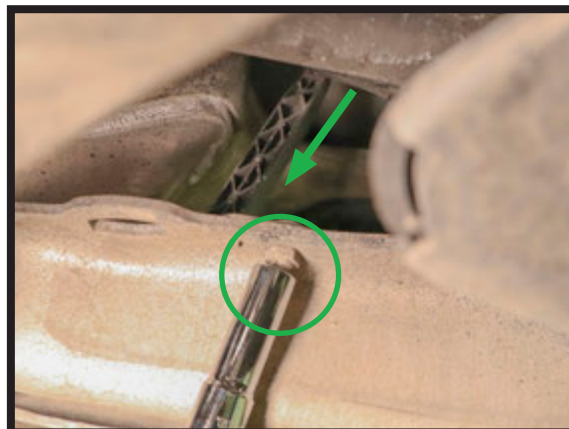


FIGURE 37

11. INSTALL THE CONTROL ARM COVER. (FIGURE 38)



FIGURE 38

12. TIGHTEN THE THREE (3) TOP NUTS. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 39)

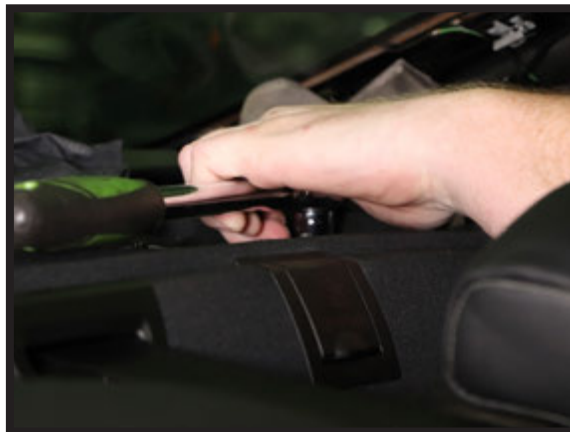


FIGURE 39

13. CONNECT THE AIR LINE. PRESS THE LINE IN UNTIL IT SEATS IN THE FITTING FIRMLY. USE THE FIGURE BELOW AS AN EXAMPLE. (FIGURE 40)

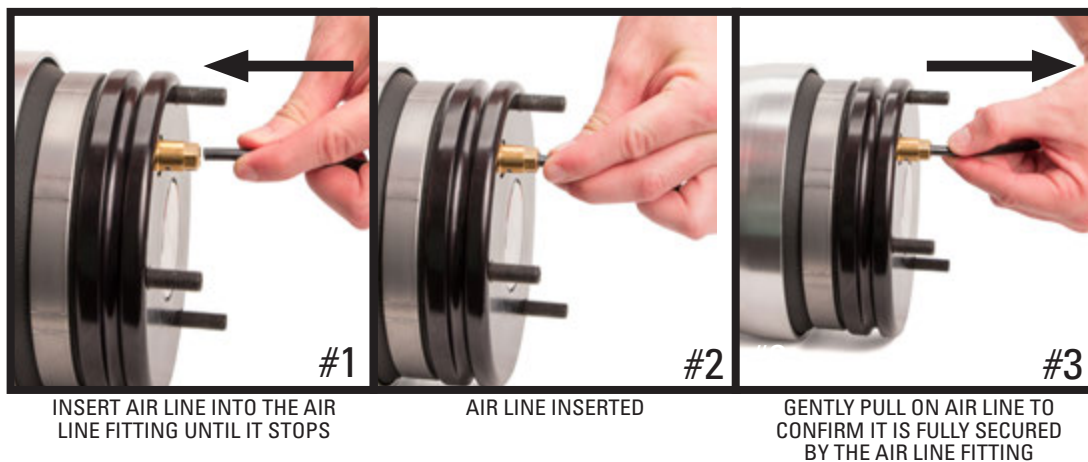


FIGURE 40

14. REPLACE FOAM INSERTS AND REAR SPEAKER ABOVE THE AIR STRUT.
15. INSTALL THE WHEEL
16. LOWER VEHICLE.
17. INSTALLATION COMPLETE.