



INSTALLATION MANUAL

SKE-5331 Arnott New eRide Rear Electronic Shock Porsche Panamera (971)



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.

SHOCK REMOVAL

NOTE: Use an appropriate jack throughout the removal and installation process to support the axle. Adjust as needed.

1. Remove the rear inner fender liner cover from within the trunk. (Figure 1)



FIGURE 1

2. Disconnect the electrical connector. (Figures 2, 3)



FIGURE 2



FIGURE 3

3. Set the steering to straight ahead.
4. Raise the vehicle.
5. At your discretion, disable the air suspension and deflate the applicable spring according to the manufacturer's instructions.
6. Remove the applicable rear wheel. (Figure 4)

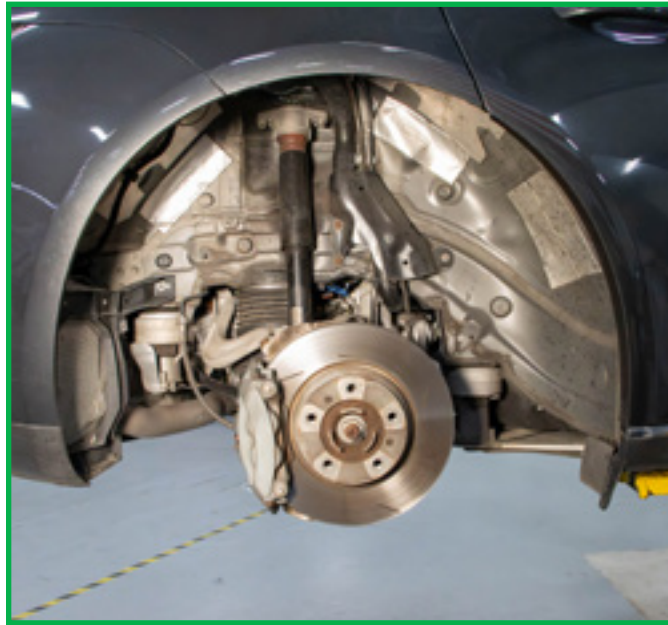


FIGURE 4

7. Carefully move the brake line out of the way to avoid damage. (Figure 5)



FIGURE 5

8. Remove the bolt attaching the ride height sensor to the lower control arm. Carefully move the ride height sensor out of the way to avoid damage. (Figure 6, 7)

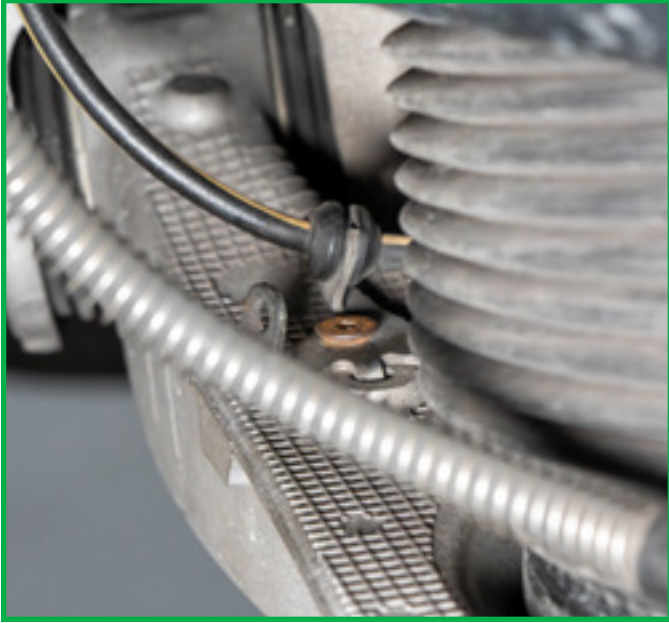


FIGURE 6



FIGURE 7

9. Remove the upper control arm bolt and nudge the upper control arm out of position. (Figures 8, 9, 10)

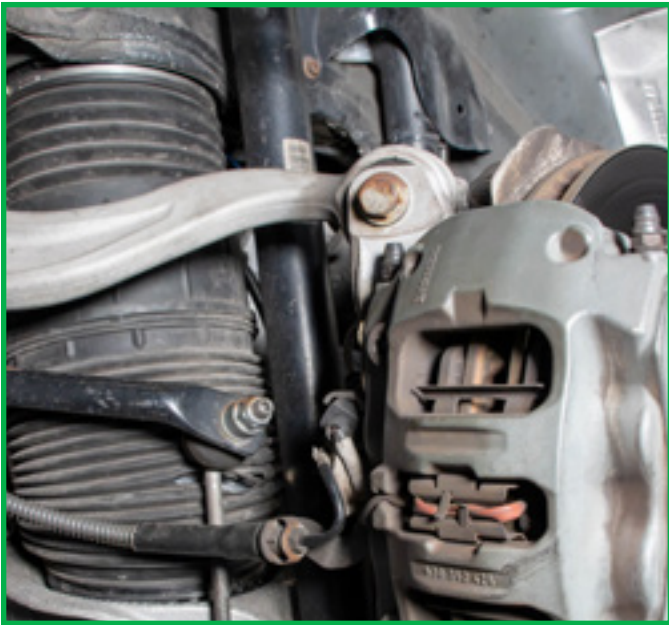


FIGURE 8



FIGURE 9

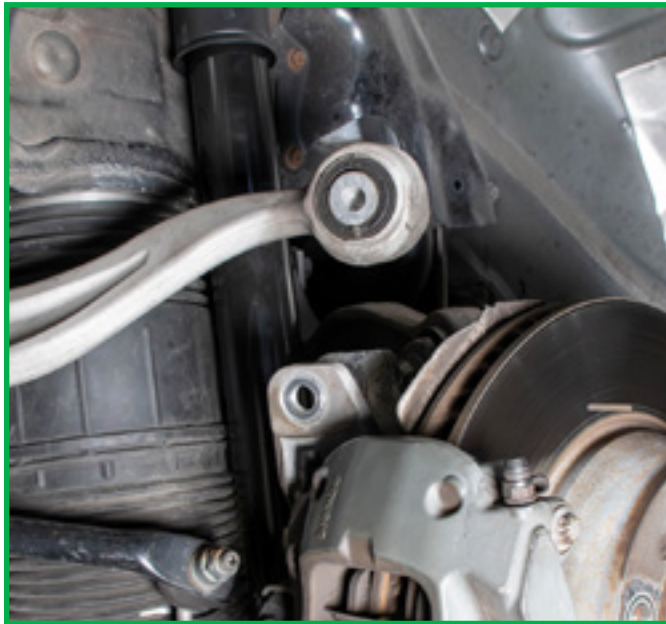


FIGURE 10

10. Remove the lower sway bar bolt and move the sway bar out of the way. (Figures 11, 12)

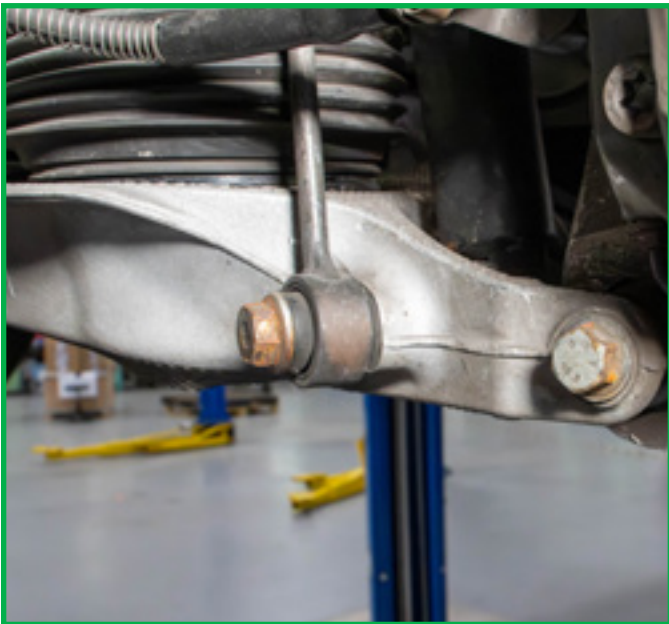


FIGURE 11



FIGURE 12

11. Remove the two (2) upper mount bolts. (Figures 13, 14)

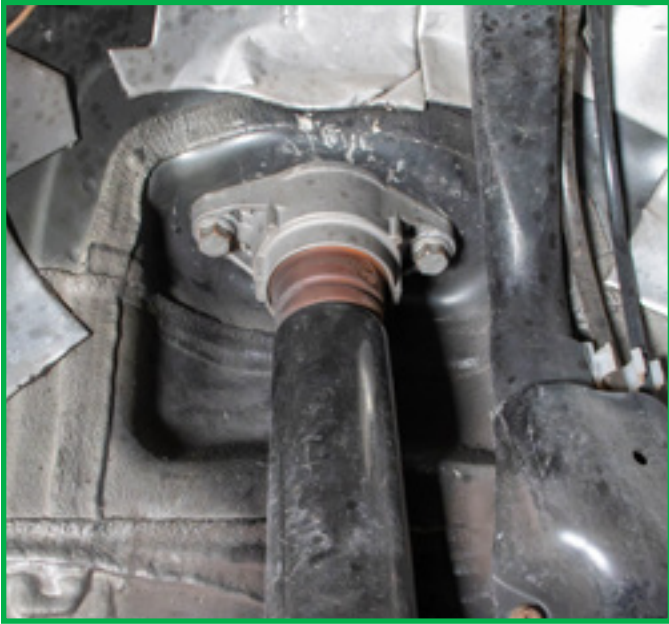


FIGURE 13

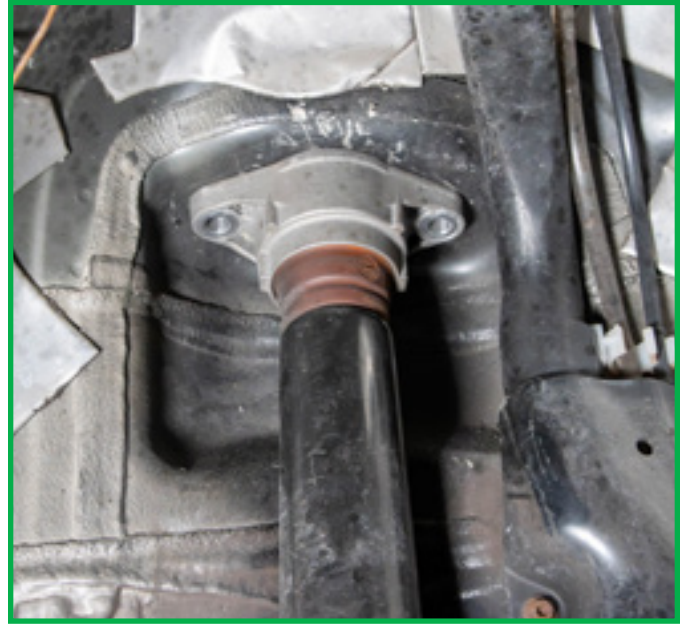


FIGURE 14

12. Carefully remove the shock by lowering it toward the rear of the vehicle, between the brake line and the lower control arm. (Figures 15, 16)



FIGURE 15

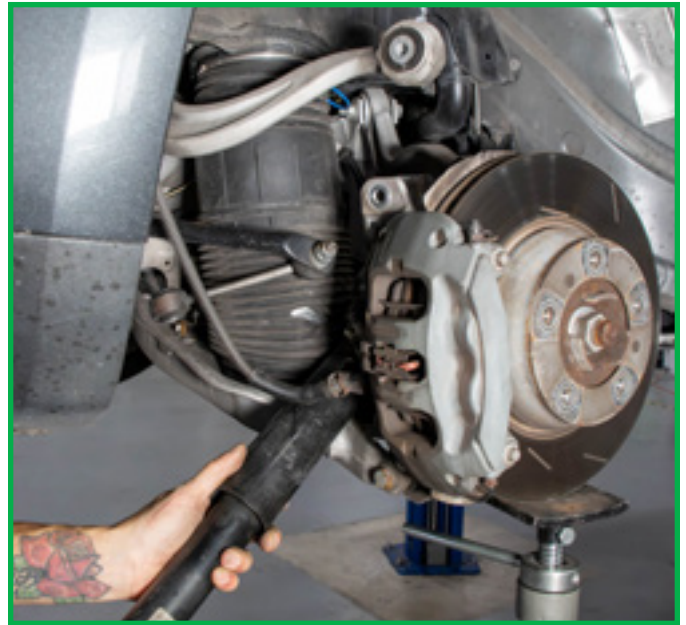


FIGURE 16

13. Shock removal is complete.

NEW eRIDE SHOCK REMOVAL



WARNING:

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

NOTE: Use an appropriate jack throughout the removal and installation process to support the axle. Adjust as needed.

1. Position the shock by carefully raising it between the brake line and lower control arm. (Figures 17, 18)

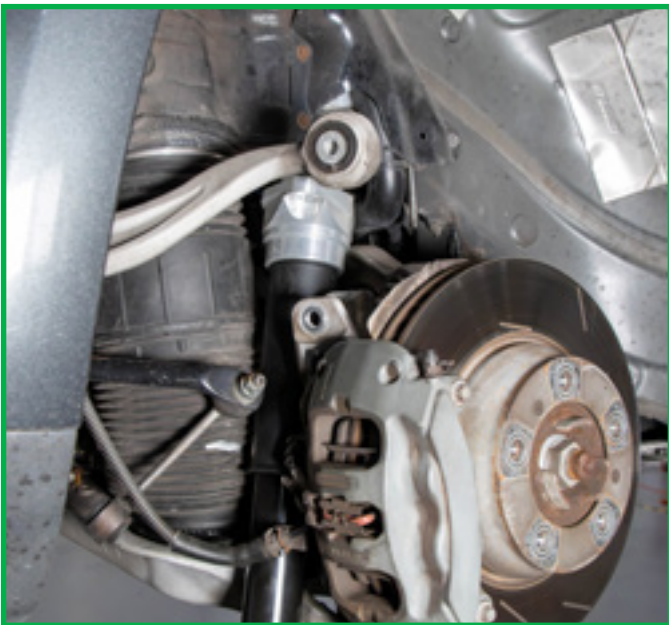


FIGURE 17

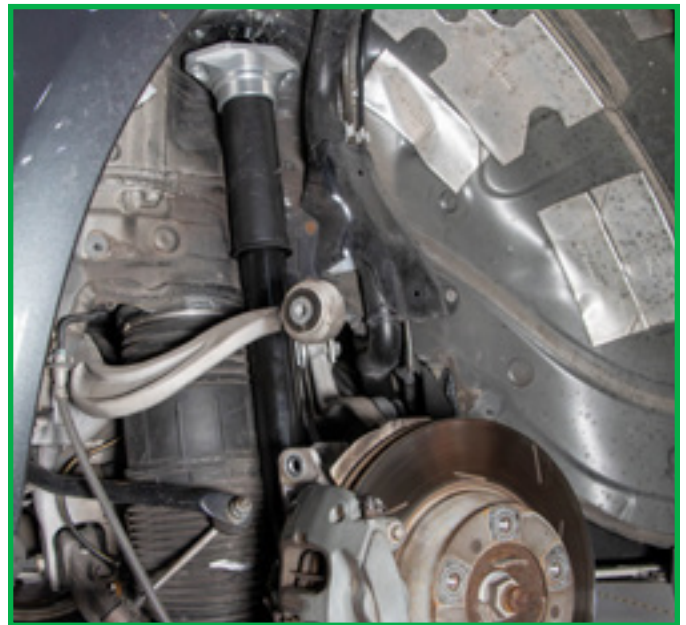


FIGURE 18

2. Install the two (2) upper mount bolts, but do not tighten yet. (Figure 19)



FIGURE 19

3. Install the lower sway bar bolt. (Figures 20, 21)

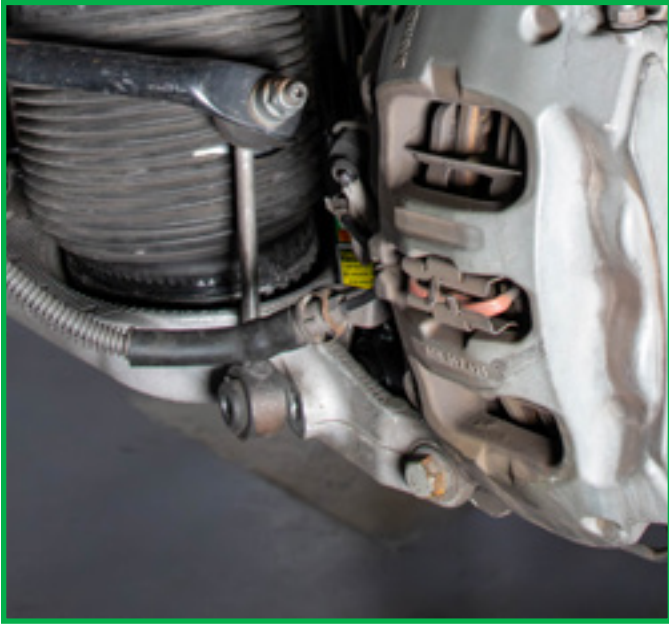


FIGURE 20

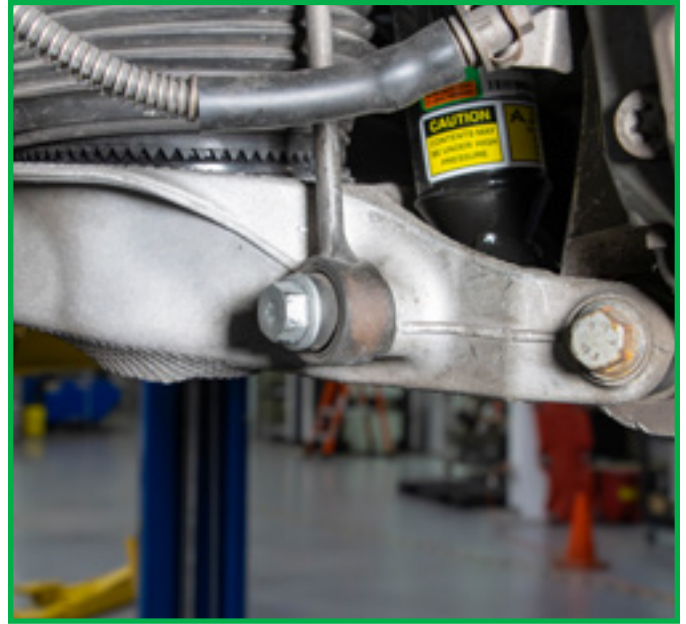


FIGURE 21

4. Install the upper control arm bolt. (Figures 22, 23)



FIGURE 22

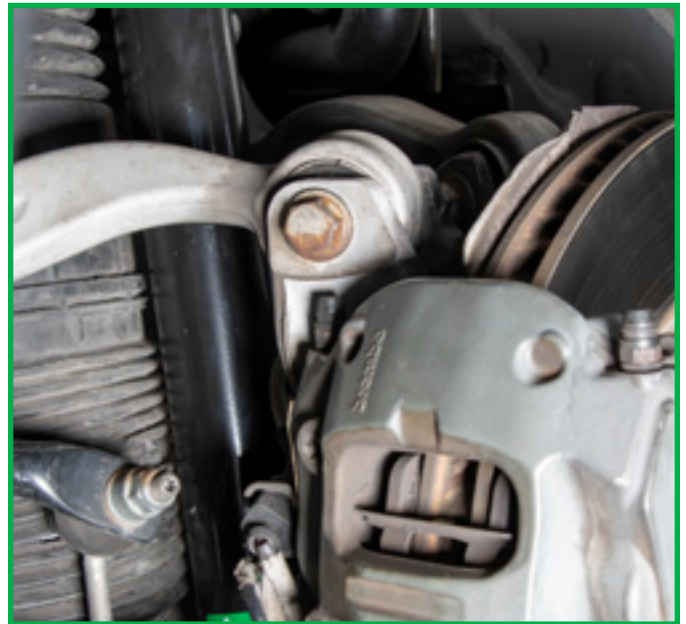


FIGURE 23

5. Tighten the two (2) upper mount bolts according the manufacturer's specifications. (Figure 24)

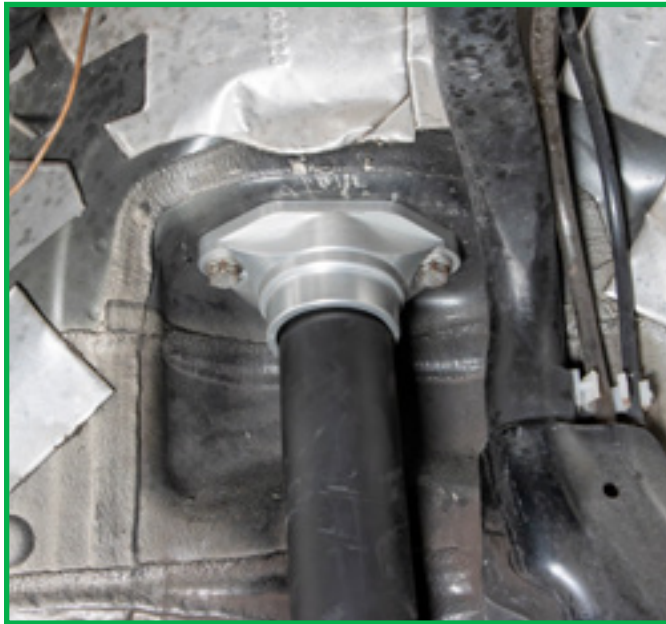


FIGURE 24

6. Reattach the ride height sensor to the lower control arm. (Figures 25, 26)



FIGURE 25

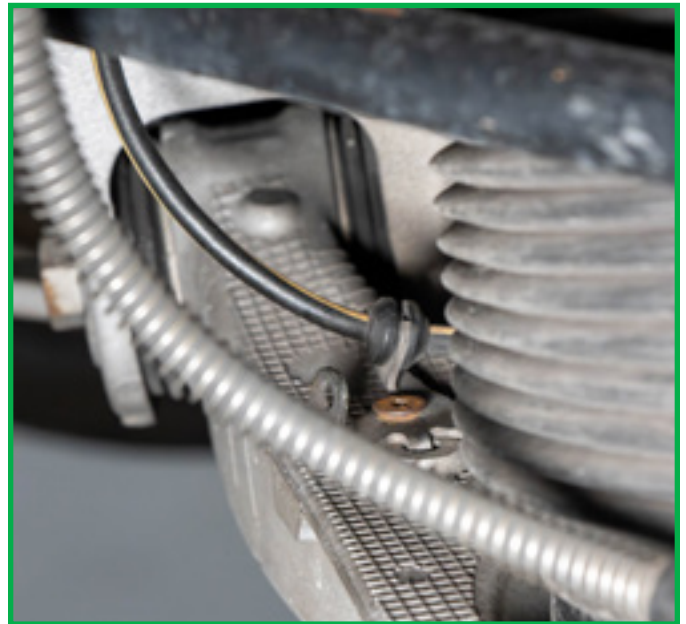


FIGURE 26

- Carefully move the brake line back into place, ensuring it is away from possible friction. (Figure 27)



FIGURE 27

- Reinstall the wheel.
- If applicable, enable the air suspension and inflate the applicable spring according to the manufacturer's instructions.
- Lower the vehicle.
- Reconnect the electrical connector from within the trunk. (Figure 28)



FIGURE 28

12. Reinstall the rear inner fender liner cover. (Figure 29)



FIGURE 29

13. New eRide shock installation is complete.

Arnott®

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<https://bit.ly/3LTVh40>

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We're happy to help! Reach out using the contact information above.