



INSTALLATION MANUAL

AS-4329

Arnott New Rear Air Strut
12-16 Tesla Model S (5YJS Chassis,
w/RWD, w/Performance Plus)



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.

AIR STRUT REMOVAL

1. Raise the vehicle.
2. Deflate and disable the air suspension system per manufacturer's instructions.
3. Remove applicable rear wheel. Remove the wheel well liner. (Figure 1)



FIGURE 1

4. Remove the air fitting from the strut. (Figure 2)



FIGURE 2

5. Disconnect the electric parking brake harness. (Figure 3)

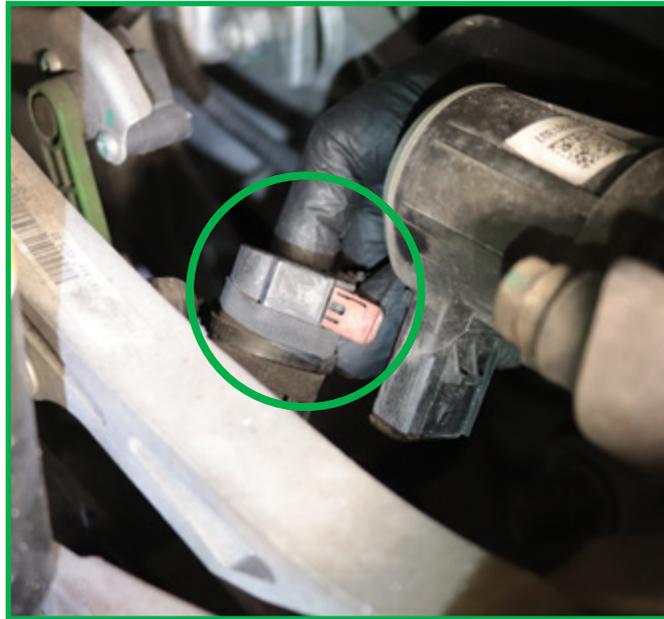


FIGURE 3

6. Remove the strut lower mounting bolt. (Figures 4, 5)



FIGURE 4



FIGURE 5

7. Use a suitable pry bar to push down on the wheel hub. Pull the lower strut knuckle forward and over to the side of the wheel hub. (Figures 6, 7)

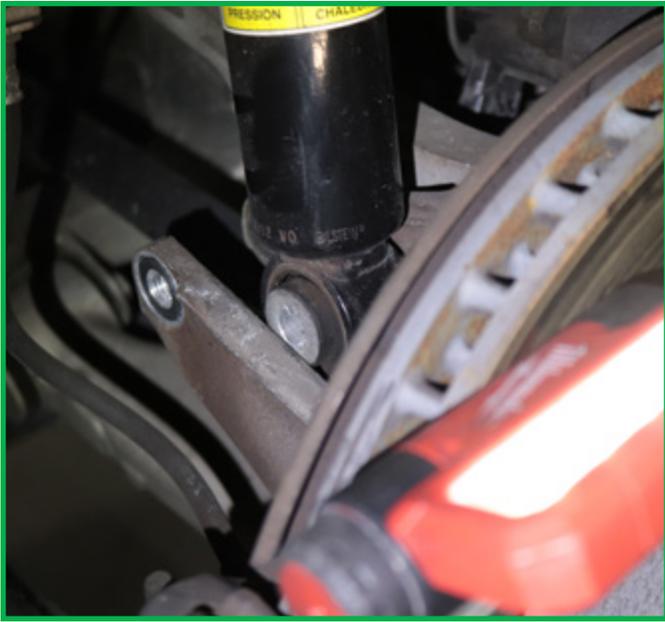


FIGURE 6



FIGURE 7

8. Remove the three top mount nuts. Remove the strut from the vehicle. (Figures 8, 9)



FIGURE 8



FIGURE 9

9. Removal complete.

AIR STRUT INSTALLATION



WARNING:

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

1. Note the orientation of the top plate. Remove the top plate from the OEM strut. Install the plate onto the new Arnott strut using the included nuts. The plate should be oriented with the air fitting between the two nearest ears. (Figures 10, 11)



FIGURE 10

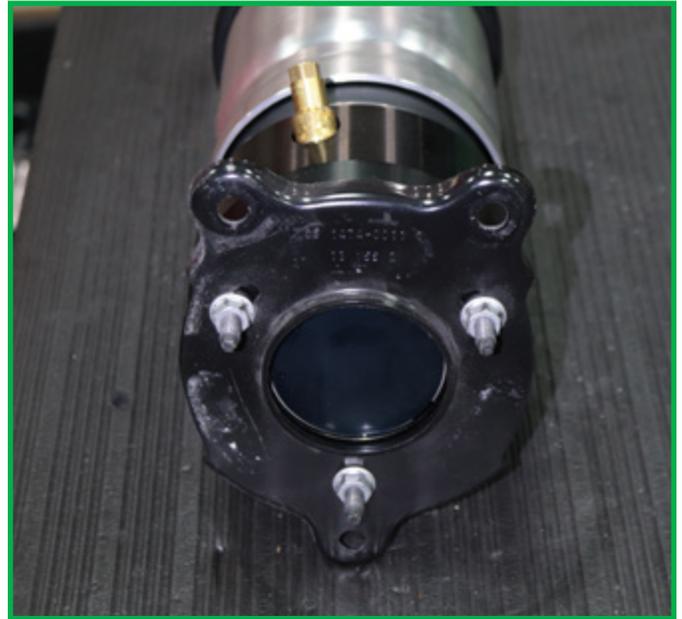


FIGURE 11

2. Install the new Arnott strut into the vehicle. (Figure 12)



FIGURE 12

3. Install the three included top mount nuts. Tighten to manufacturer's specifications. (Figure 13)



FIGURE 13

4. Install the lower mount bolt. Tighten to manufacturer's specifications. (Figures 14, 15)



FIGURE 14



FIGURE 15

5. Reconnect the electronic parking brake harness. (Figure 16)



FIGURE 16

6. Insert the air line into the air fitting. (Figure 17)



FIGURE 17

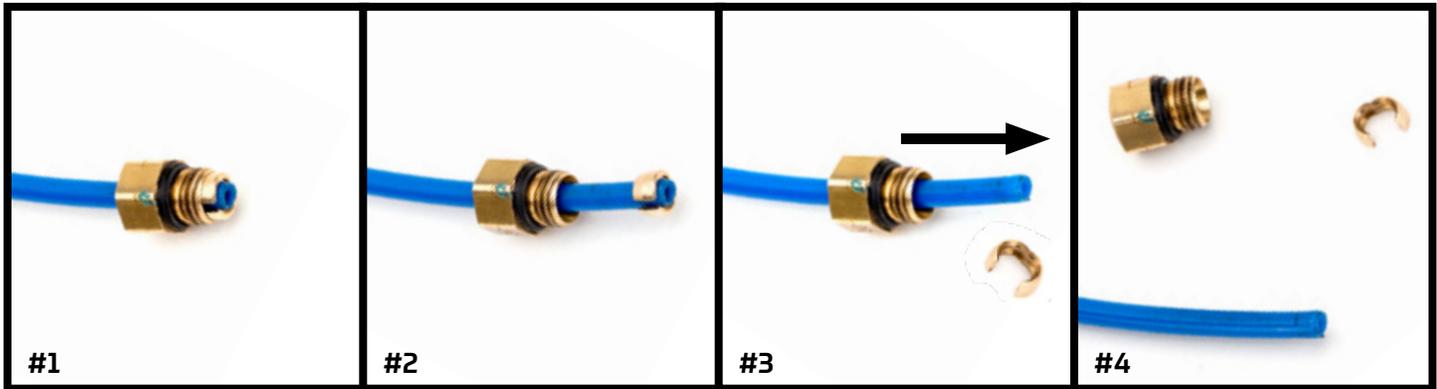
REMOVAL



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 15

7. Inflate the air suspension system per manufacturer's instructions.
8. Reinstall the wheel.
9. Installation complete.

Arnott™

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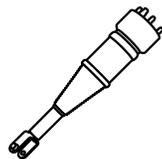
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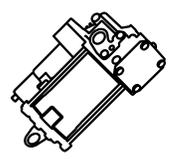
Air Springs



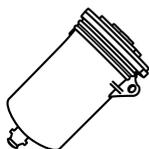
Struts



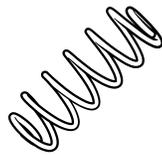
Shocks



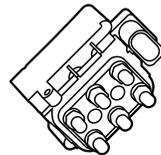
Compressors



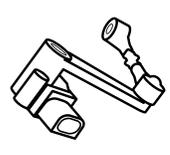
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors