



# INSTALLATION MANUAL

**SK-4315**

**Arnott New Front Coil Strut Assembly  
Chevrolet Avalanche, Cadillac EXT (GMT930/940)**



**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](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.

## COIL STRUT REMOVAL

1. Raise vehicle and remove front wheel to expose the front coil strut. (Figures 1, 2)



FIGURE 1

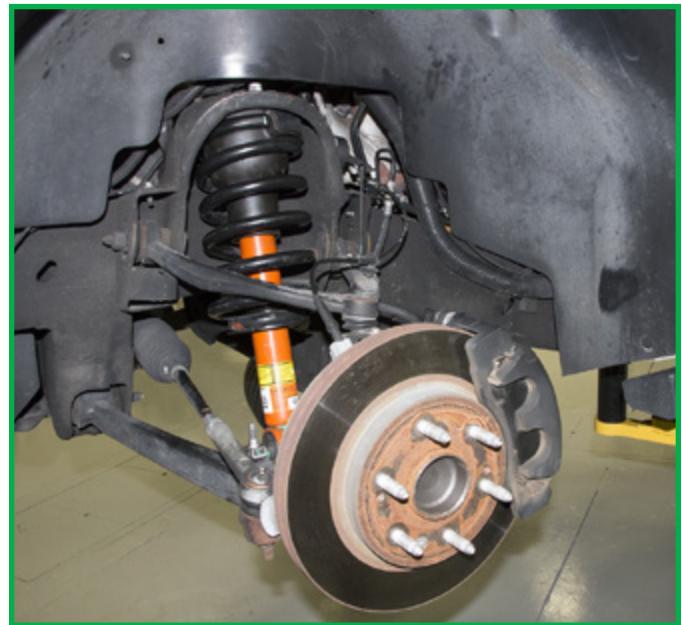


FIGURE 2

2. Lift the hood to expose the top of the coil strut. Locate and disconnect the electrical connector. (Figures 3, 4)



FIGURE 3



FIGURE 4

3. Remove the (3) wire clips and top mounting nuts. (Figures 5, 6,7)

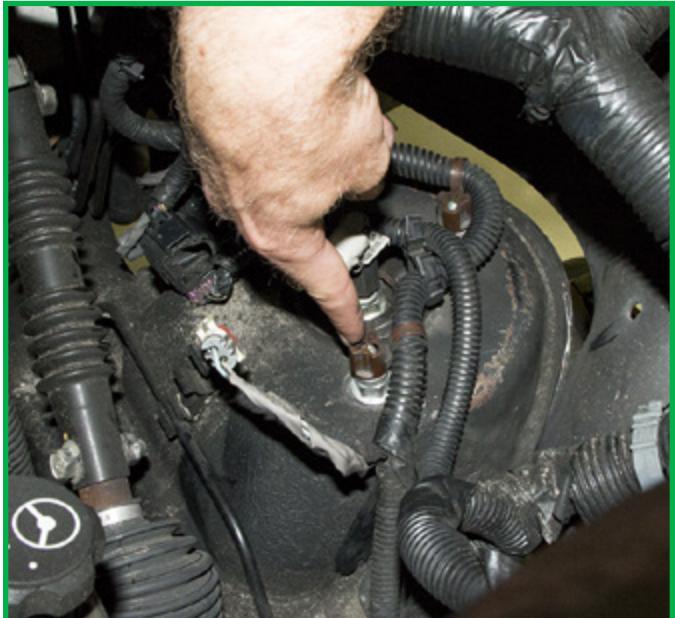


FIGURE 5



FIGURE 6



FIGURE 7

4. Remove the two (2) lower mounting bolts. (Figures 8, 9)



FIGURE 8



FIGURE 9

5. Loosen, do not remove, the sway bar end link hardware. (Figure 10)



FIGURE 10

6. Carefully remove coil strut from the vehicle. (Figure 11)



FIGURE 11

7. Removal complete.

## COIL STRUT INSTALLATION



**WARNING:**

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

1. Remove the supplied top nuts from the shock. (Figure 12)



FIGURE 12

2. Place the shock in the vehicle orientated in the same manner as removed. (Figures 13, 14)



FIGURE 13

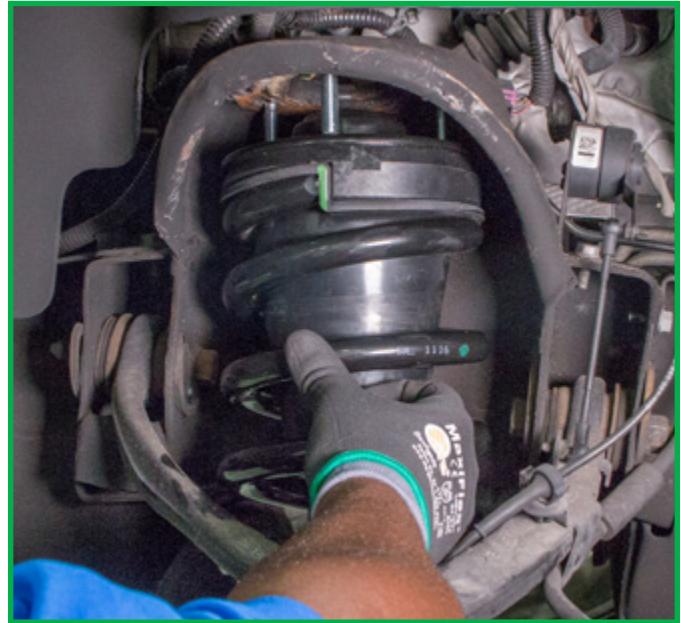


FIGURE 14

3. Position the T-bar on top of the control arm to ensure proper mounting. (Figure 15)



FIGURE 15

4. Install supplied bolts through the lower control arm and shock mount, affix nuts and tighten. (Figures 16, 17)



FIGURE 16



FIGURE 17

5. Tighten the sway bar end link. (Figure 18)

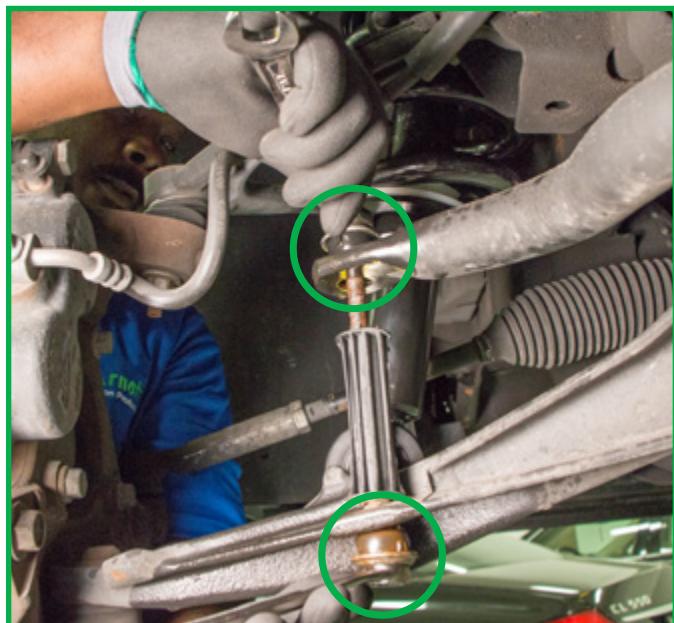


FIGURE 18

6. Install the supplied top nuts and tighten. (Figure 19)

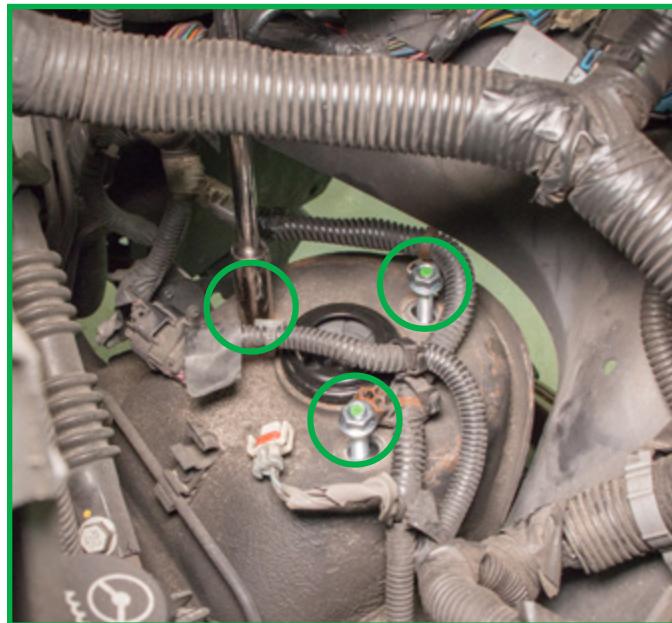


FIGURE 19

7. Coil strut installation complete.

## COIL SENSOR INSTALLATION

1. Install the coil sensor base, provided in this kit, onto the top of the shock rod. Tighten until secure. (Figure 20)

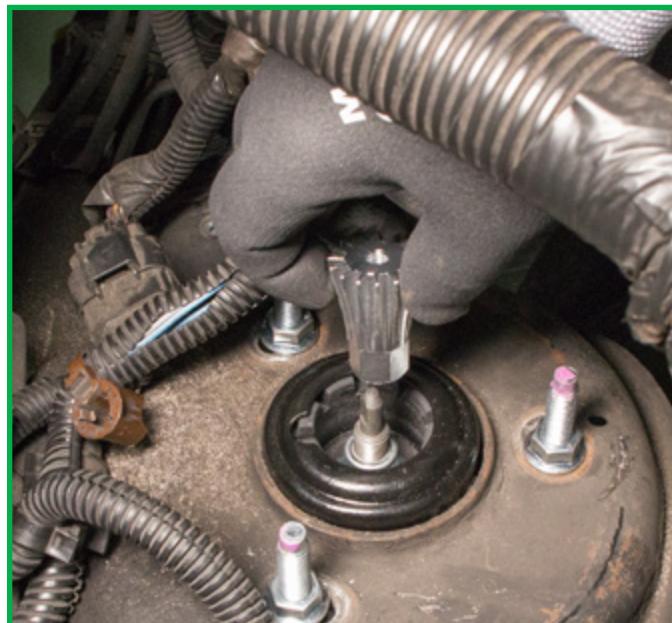


FIGURE 20

2. Install fastener through coil retainer followed by the dampening coil. (Figure 21)

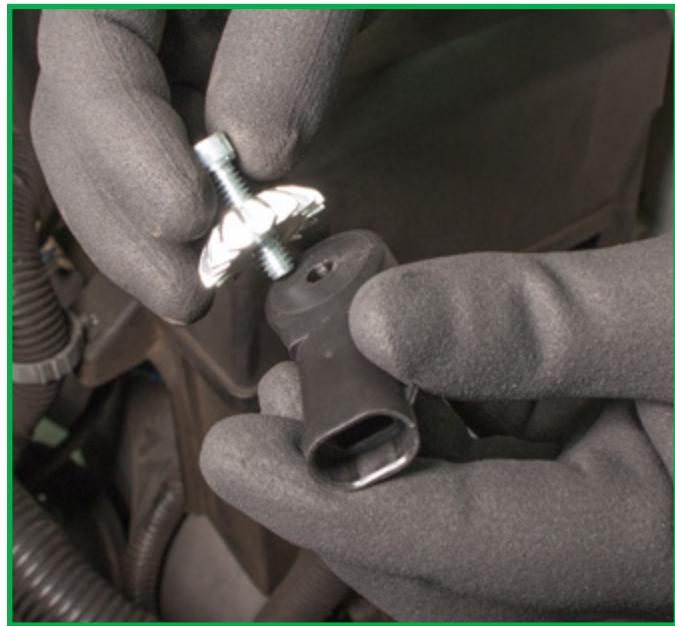


FIGURE 21

3. Begin threading pre-assembled top portion to the already installed base. Tighten to 8 N.M. (Figures 22, 23)

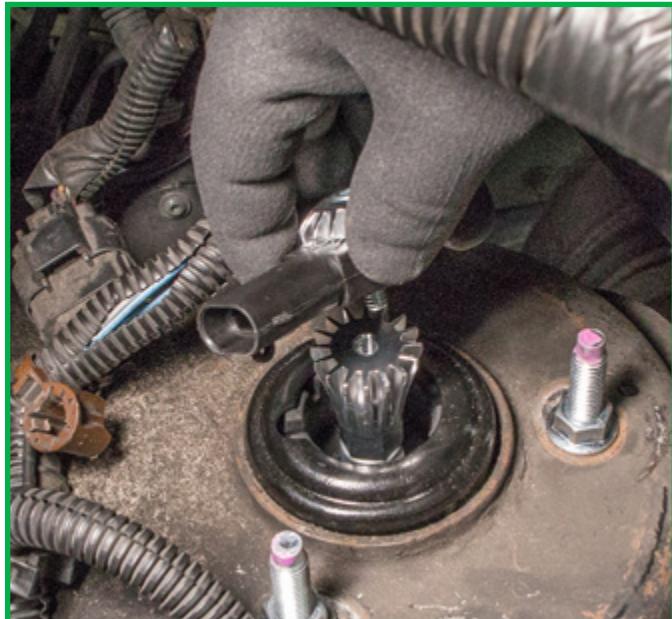


FIGURE 22



FIGURE 23

4. Orient the dampening coils connector towards the engine and place harness retention clips back into place, then connect the vehicle's electrical connector to the coil sensor. (Figures 24, 25)

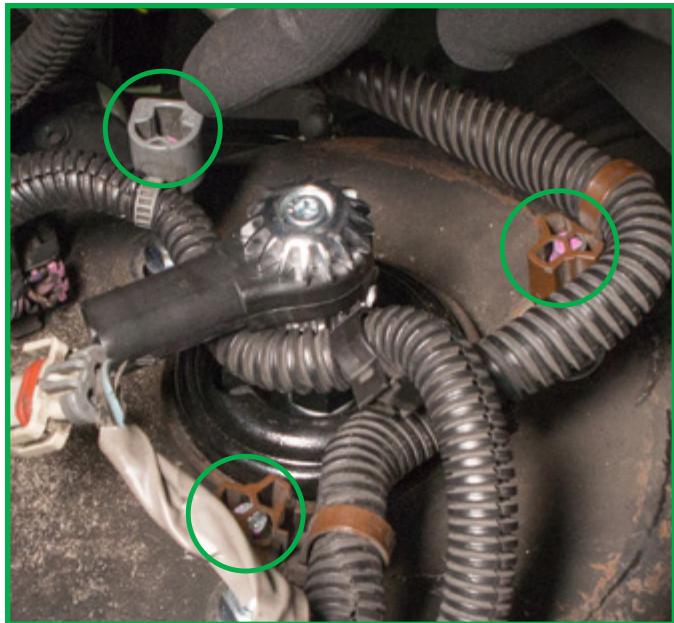


FIGURE 24

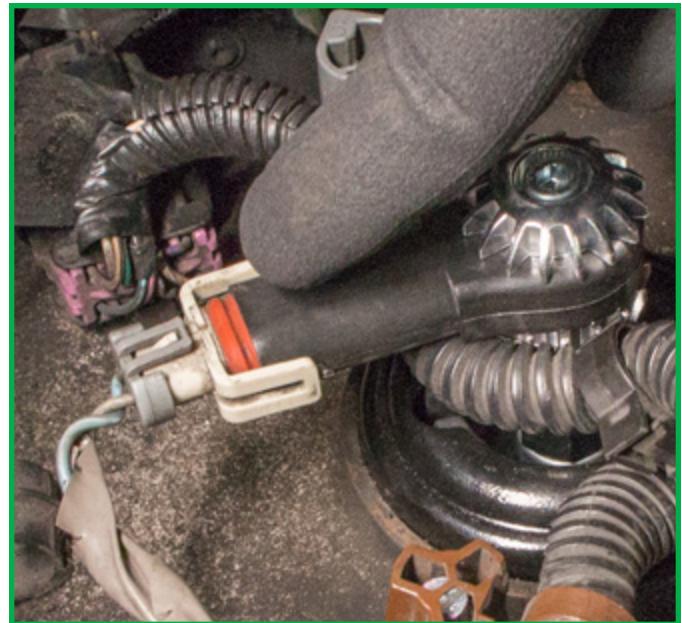


FIGURE 25

5. Coil sensor installation complete.



### Arnott US Business Office:

[www.arnottinc.com](http://www.arnottinc.com)

100 Sea Ray Drive  
Merritt Island, FL 32953

**Call:** 800.251.8993  
321.868.3016

**Fax:** 321.868.3703

**Email:** [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com)

### Arnott Europe Business Office:

[www.arnotteurope.com](http://www.arnotteurope.com)

Industrieweg 19  
5145 PD, Waalwijk (NL)

**NL Phone:** +31 73 7850 580

**DE Phone:** +31 85 2087 438

**UK Phone:** +44 203 3186 124

**BE Phone:** +32 258 846 90

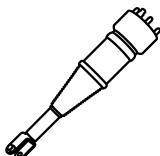
**ES Phone:** +34 91 901 10 56

**FR Phone:** +32 78 48 46 93

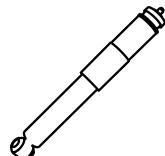
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



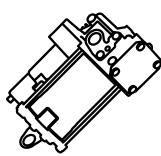
Air Springs



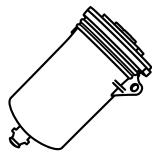
Struts



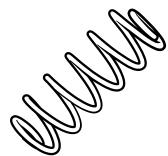
Shocks



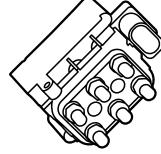
Compressors



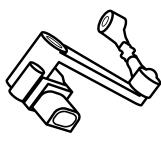
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors