

# Installation Manual

## SK-2806 ARNOTT FRONT SHOCK KIT FOR 2007-2014 GM FULL SIZE SUVs



Congratulations on your purchase of an Arnett® air suspension product. We at Arnett 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.*

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett by calling **800-251-8993** during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com). (In the EU please call +31 (0)73 7850 580 or email [info@arnotteurope.com](mailto:info@arnotteurope.com))

## 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).

- Not to be stored below 5°F (-15°C) or 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.

## COIL STRUT

1. RAISE VEHICLE AND REMOVE FRONT WHEEL TO EXPOSE THE FRONT COIL STRUT. (FIGURES 10-1, 10-2)



FIGURE 10-1



FIGURE 10-2

2. LIFT THE HOOD TO EXPOSE THE TOP OF THE COIL STRUT. LOCATE AND DISCONNECT THE ELECTRICAL CONNECTOR. (FIGURES 10-3, 10-4)



FIGURE 10-3



FIGURE 10-4

3. REMOVE THE 3 WIRE CLIPS AND TOP MOUNTING NUTS. (FIGURES 10-5, 10-6, 10-7)

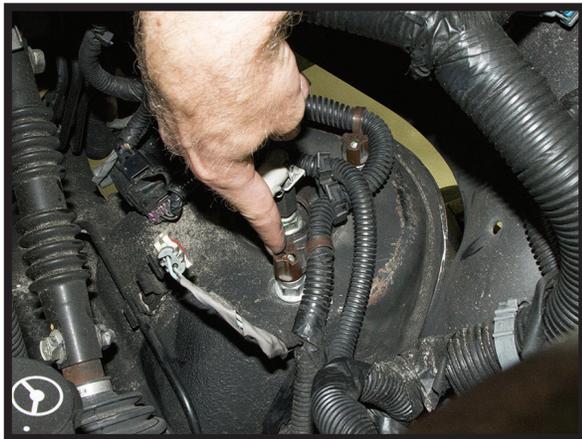


FIGURE 10-5



FIGURE 10-6

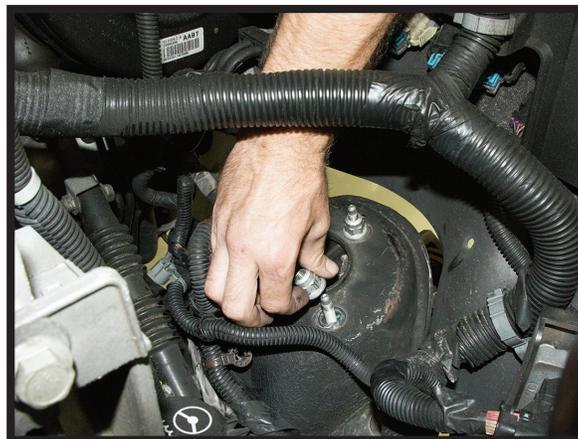


FIGURE 10-7

4. REMOVE THE TWO (2) LOWER MOUNTING BOLTS. (FIGURES 10-8, 10-9)

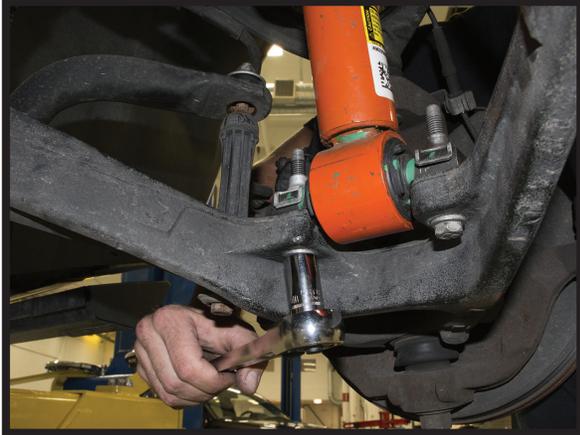


FIGURE 10-8



FIGURE 10-9

5. LOOSEN, DO NOT REMOVE, THE SWAY BAR END LINK HARDWARE. (FIGURE 10-10)



FIGURE 10-10

6. CAREFULLY REMOVE COIL STRUT FROM THE VEHICLE. (FIGURE 10-11)



FIGURE 10-11



Use a spring compressor tool for the following removal steps.

## SHOCK REMOVAL

1. RELEASE CLIP AND REMOVE THE TOP ELECTRICAL CONNECTOR AND SHOCK ROD STEM.  
(FIGURES 20-1, 20-2, 20-3, 20-4)



FIGURE 20-1



FIGURE 20-2



FIGURE 20-3



FIGURE 20-4

2. COMPRESS THE COIL SPRING AND REMOVE THE TOP SHOCK ROD NUT. (FIGURES 20-5, 20-6)



FIGURE 20-5



FIGURE 20-6

3. REMOVE TOP MOUNT PLATE, OFFSET PLATE AND RUBBER ISOLATOR. (FIGURES 20-7, 20-8)



FIGURE 20-7



FIGURE 20-8

4. CAREFULLY RELEASE SPRING PRESSURE AND REMOVE COIL SPRING, SPACER WASHER AND BUMP STOP (FIGURES 20-9, 20-10)



FIGURE 20-9



FIGURE 20-10

## COIL STRUT REASSEMBLY



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

1. ASSEMBLY IS IN REVERSE ORDER OF SHOCK DISASSEMBLY.

## COIL STRUT INSTALLATION



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

1. INSTALLATION IS IN REVERSE ORDER OF SHOCK REMOVAL.
2. POSITION THE T-BAR ON TOP OF THE CONTROL ARM TO ENSURE PROPER MOUNTING. (FIGURE 30-1)



FIGURE 30-1

## COIL SENSOR INSTALLATION

1. INSTALL THE COIL SENSOR, PROVIDED IN THIS KIT, ONTO THE TOP OF THE SHOCK ROD. TIGHTEN UNTIL SECURE. (FIGURE 40-1, 40-2)



FIGURE 40-1

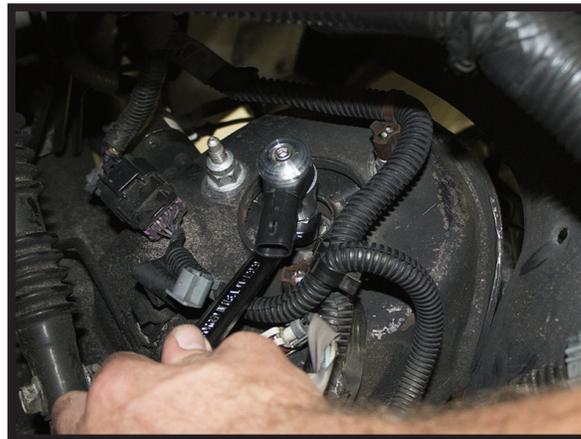


FIGURE 40-2

2. CONNECT THE VEHICLE'S ELECTRICAL CONNECTOR TO THE COIL SENSOR. (FIGURES 40-3, 40-4)

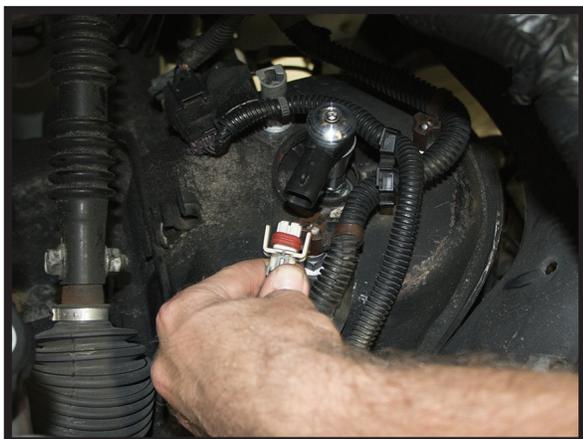


FIGURE 40-3



FIGURE 40-4