

Installation Manual

SK-2954 ARNOTT FRONT SHOCK KIT FOR 2007-2014 (GMT 900) 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. (In the EU please call +31 (0)73 7850 580 or email 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.

- 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 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

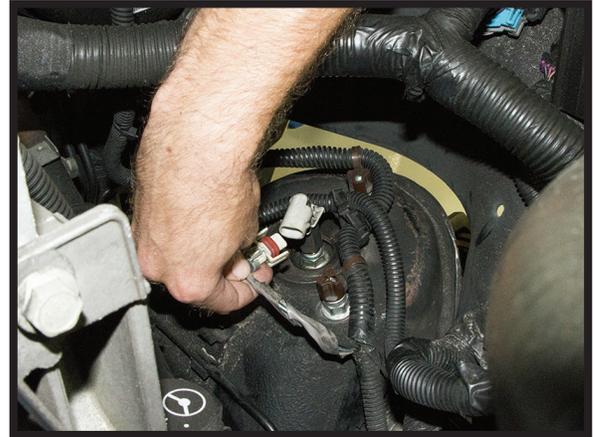


FIGURE 4

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

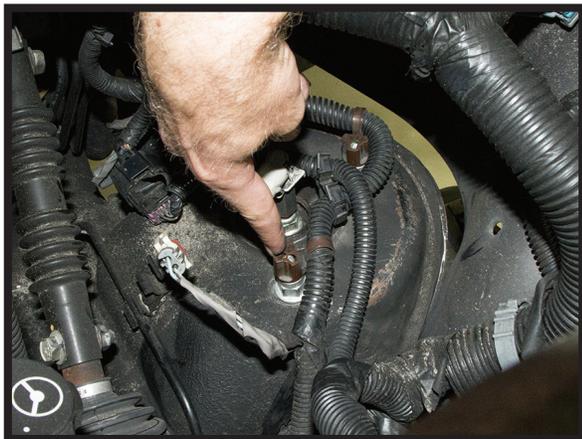


FIGURE 5

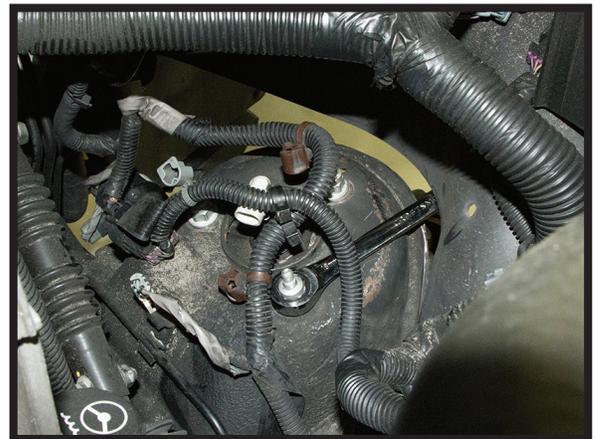


FIGURE 6

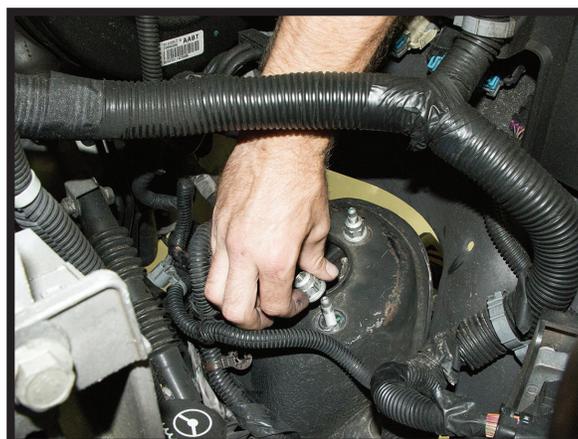


FIGURE 7

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

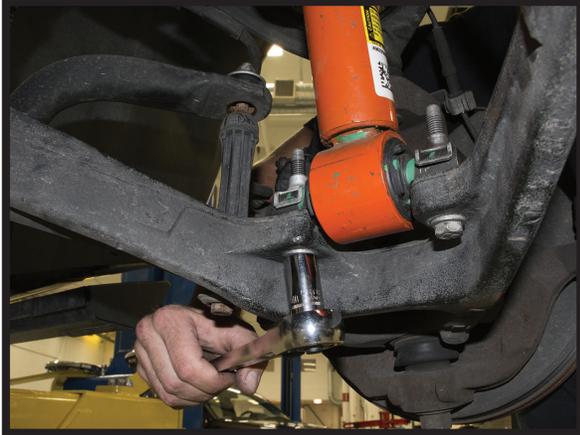


FIGURE 8



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

COIL STRUT INSTALLATION



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)

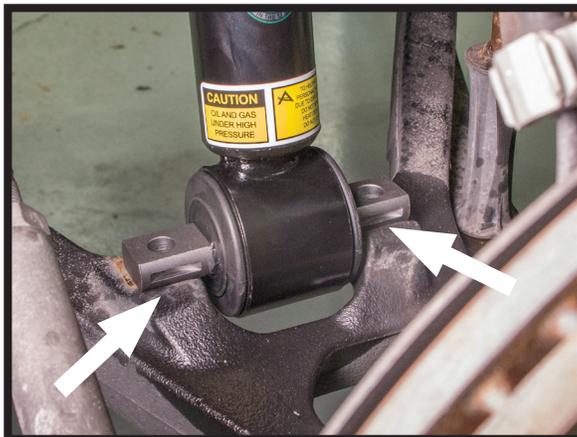


FIGURE 15

4. INSTALL SUPPLIED BOLTS THROUGH THE LOWER CONTROL ARM AND SHOCK MOUNT, AFFIX NUTS AND TIGHTEN. (FIGURES 16, 17)

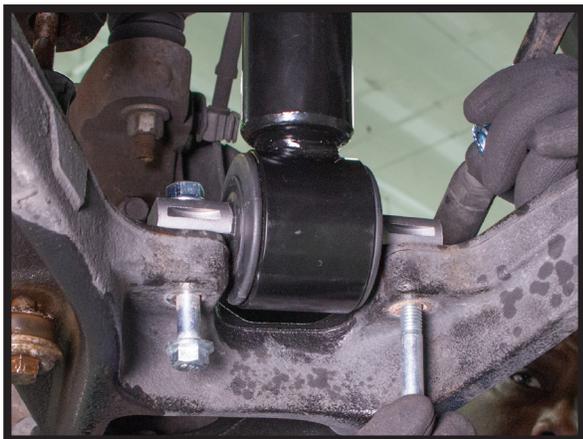


FIGURE 16



FIGURE 17

5. TIGHTEN THE SWAY BAR END LINK. (FIGURE 18)

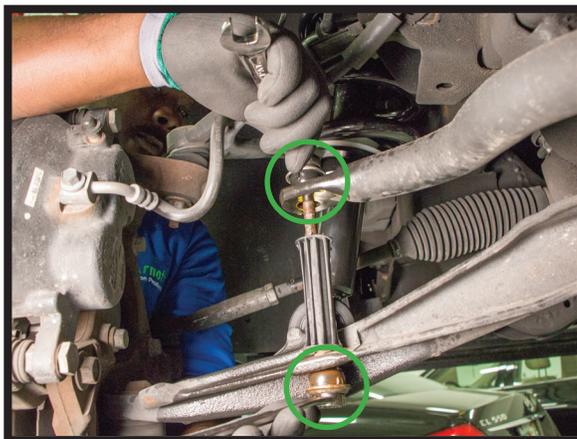


FIGURE 18

6. INSTALL THE SUPPLIED TOP NUTS AND TIGHTEN. (FIGURE 19)

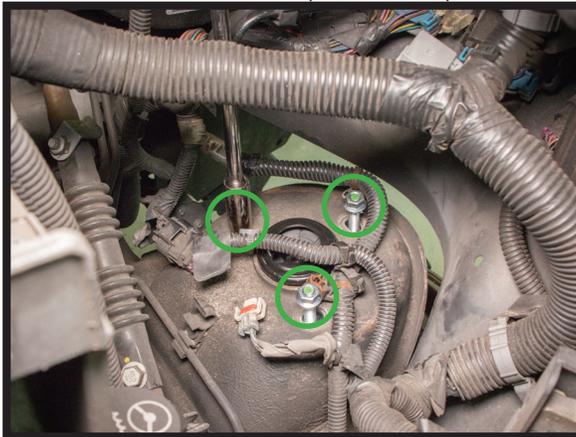


FIGURE 19

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 40-1, 40-2)



FIGURE 40-1

2. INSTALL FASTENER THROUGH COIL RETAINER FOLLOWED BY THE DAMPENING COIL. (FIGURES 40-3, 40-4)



FIGURE 40-3

3. BEGIN THREADING PREASSEMBLED TOP PORTION TO THE ALREADY INSTALLED BASE. TIGHTEN TO 8 N.M. (FIGURES 40-3, 40-4)



FIGURE 40-3



FIGURE 40-4

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 40-5, 40-6)

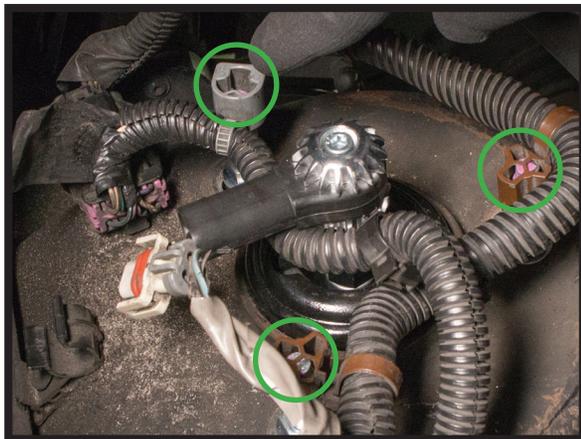


FIGURE 40-5



FIGURE 40-6

5. COIL SENSOR INSTALLATION COMPLETE.