



INSTALLATION MANUAL

SK-4073

**Arnott New Front Coil Strut Assembly
Various GM SUVs (GMT1xx)
w/Z95 MagneRide & RWD & SWB Only**



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.

FRONT COIL STRUT REMOVAL

NOTE: Your new Arnott coil strut assembly comes with three (3) new top mount nuts and a new electronic bypass coil. All other accessories should be saved during removal for reuse in the installation.

1. Raise the vehicle.
2. Remove the applicable front wheel.
3. Disconnect the electrical connection at the top of the strut. (Figures 1, 2)



FIGURE 1



FIGURE 2

4. Remove the bolt that holds the brake line. (Figure 3)



FIGURE 3

5. Remove the three (3) bolts that hold the ABS line. (Figures 4, 5, 6)



FIGURE 4



FIGURE 5



FIGURE 6

6. Remove the lower sway bar end link nut. (Figure 7)



FIGURE 7

7. Disconnect the upper control arm. Use leverage to control the tension of the upper control arm bushings. (Figures 8, 9, 10)



FIGURE 8



FIGURE 9

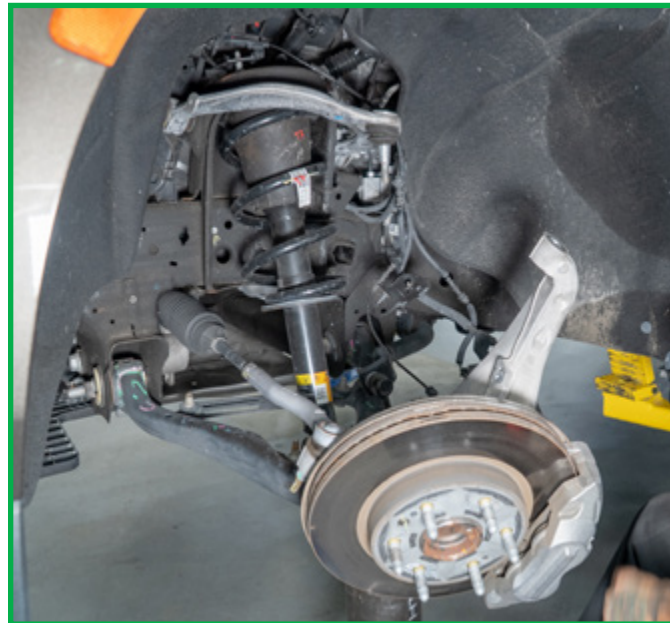


FIGURE 10

8. Remove the two (2) bottom strut bolts. (Figure 11)

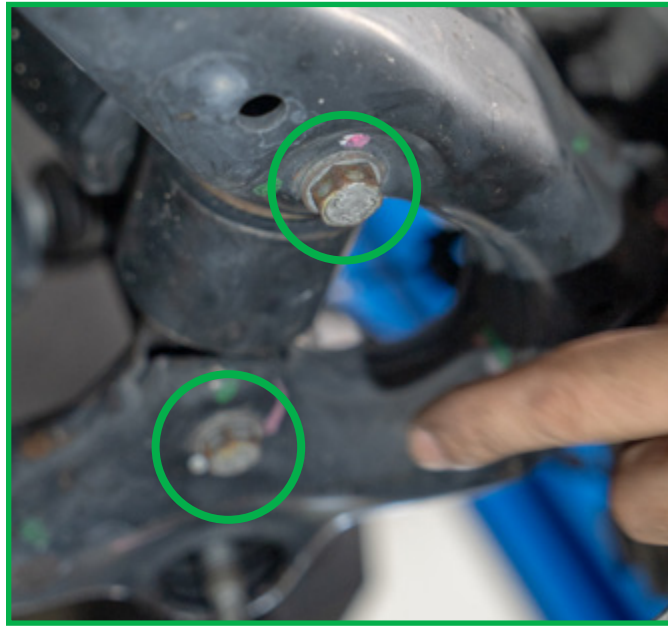


FIGURE 11

9. Remove the three (3) top mount nuts. (Figures 12, 13, 14)



FIGURE 12



FIGURE 13



FIGURE 14

10. Remove the strut from the vehicle. (Figure 15)



FIGURE 15

11. Removal complete.

FRONT COIL STRUT INSTALLATION



WARNING:

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

NOTE: Different vehicles were used to demonstrate the removal and installation processes.

1. Position the new Arnott strut on the vehicle. (Figure 16)



FIGURE 16

2. Install the three (3) new top mount nuts provided with your new Arnott strut. (Figures 17, 18, 19)



FIGURE 17



FIGURE 18



FIGURE 19

3. Install the two (2) bottom strut bolts. (Figure 20)

NOTE: CV-shaft will not be present for rear wheel drive.



FIGURE 20

4. Reinstall the upper control arm. (Figures 21, 22, 23)



FIGURE 21



FIGURE 22



FIGURE 23

5. Reinstall the lower sway bar end link nut. (Figures 24, 25)

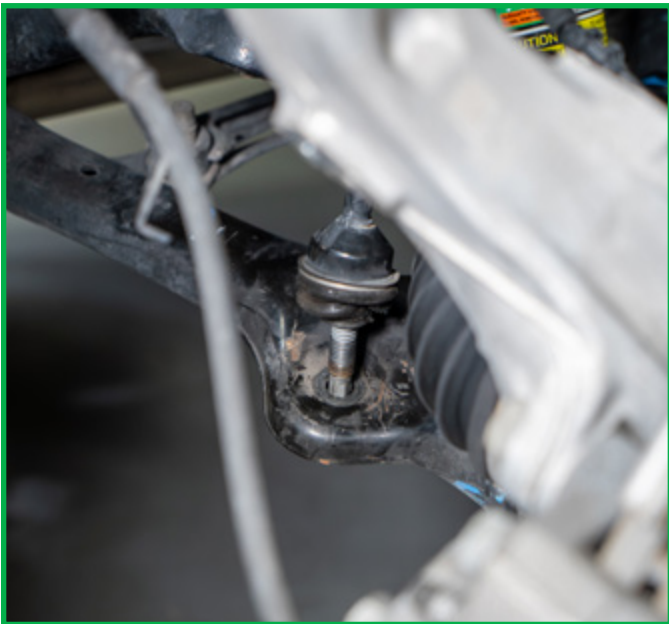


FIGURE 24



FIGURE 25

6. Install the three (3) bolts that hold the ABS line. (Figures 26, 27, 28)



FIGURE 26



FIGURE 27

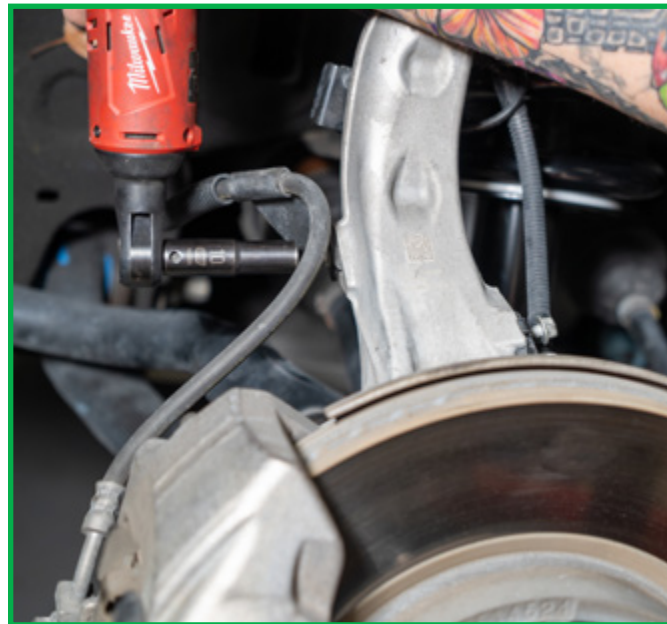


FIGURE 28

7. Install the bolt that holds the brake line. (Figure 29)



FIGURE 29

8. Thread the new electronic bypass coil to the strut and connect the electrical coil connection (Figures 30, 31, 32).



FIGURE 30



FIGURE 31



FIGURE 32

9. Install the applicable wheel. (Figures 33, 34)



FIGURE 33



FIGURE 34

10. Installation complete.

Arnott®

Suspension Products

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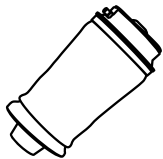
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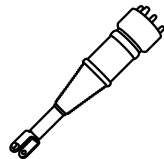
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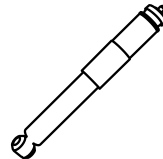
Email: info@arnotteurope.com



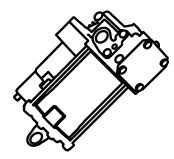
Air Springs



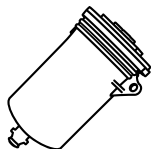
Struts



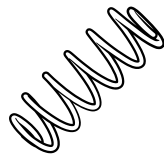
Shocks



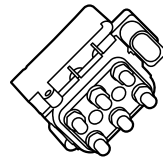
Compressors



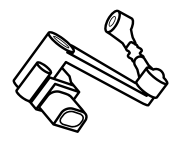
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors