



INSTALLATION MANUAL

C-4426

Arnett New Coil Spring Conversion Kit
GM Pickup Trucks (GMT K2HC/G, w/MagneRide)



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.

DISCLAIMER:

THE PRODUCT SHOWN IN THE INSTALLATION STEPS BELOW MAY LOOK DIFFERENT THAN THE PART YOU ARE INSTALLING. THE INSTALLATION STEPS ARE THE SAME AND ALL NOTICES AND WARNINGS SHOULD BE ADHERED TO IN THE SAME MANNER.

FRONT SHOCK REMOVAL

1. Lift vehicle and remove applicable front wheel. (Figure 1)



FIGURE 1

2. Unroute and disconnect the electrical connection. (Figures 2, 3)



FIGURE 2

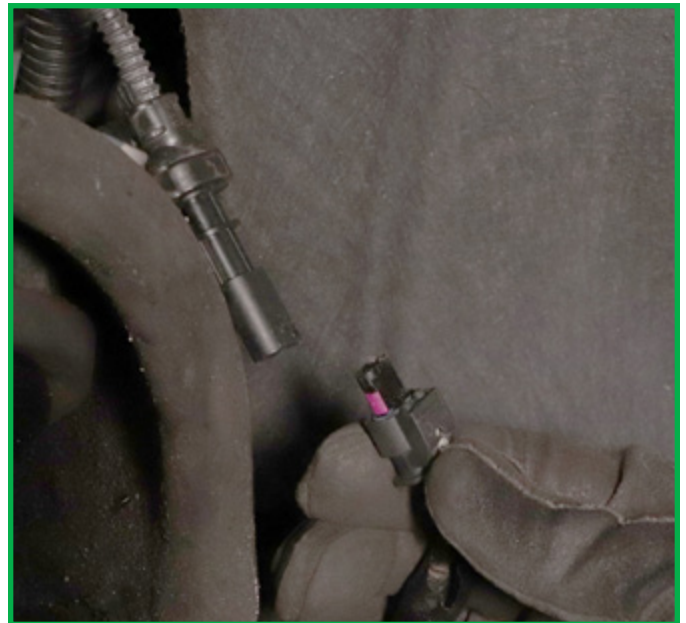


FIGURE 3

3. Remove the three (3) top mount nuts. (Figures 4, 5)



FIGURE 4



FIGURE 5

4. Remove the two (2) bottom mount bolts. (Figures 6, 7)

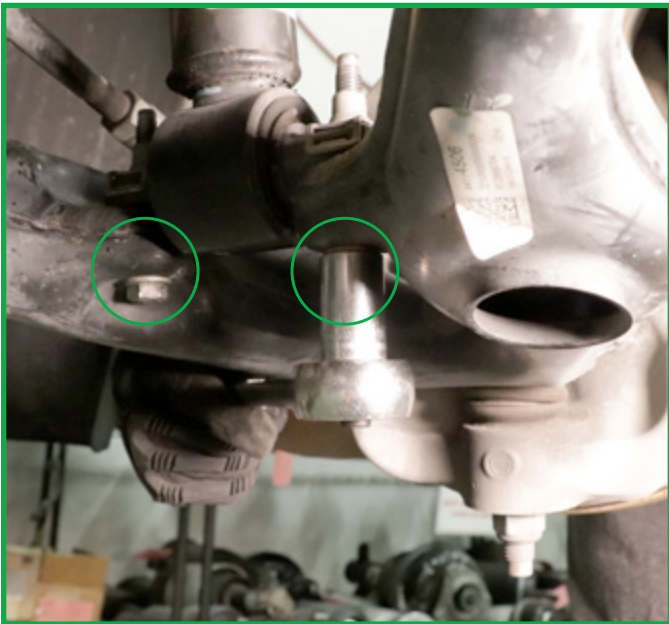


FIGURE 6

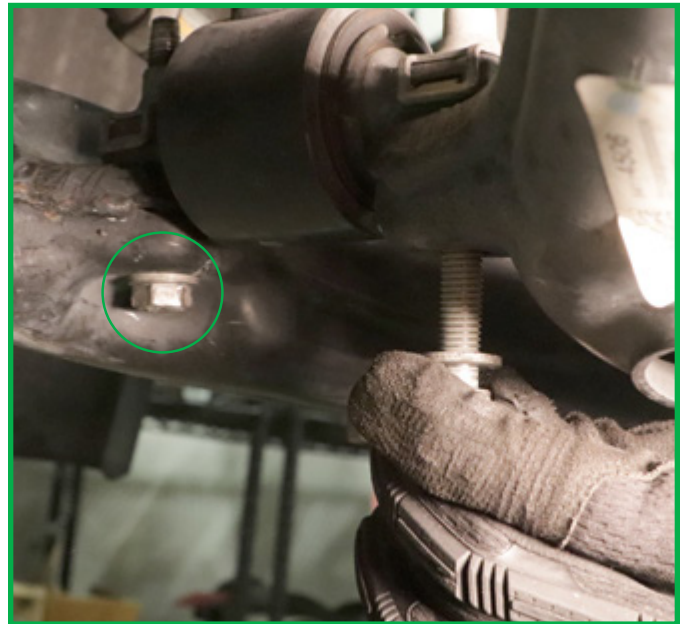


FIGURE 7

5. Remove the shock assembly from the vehicle. (Figure 8)



FIGURE 8

6. Removal complete.

FRONT SHOCK INSTALLATION



WARNING:

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

1. Install the assembled shock on to the vehicle. (Figure 9)



FIGURE 9

2. Reinstall the two (2) bottom mount bolts. Tighten to manufacturer's specifications. (Figure 10)

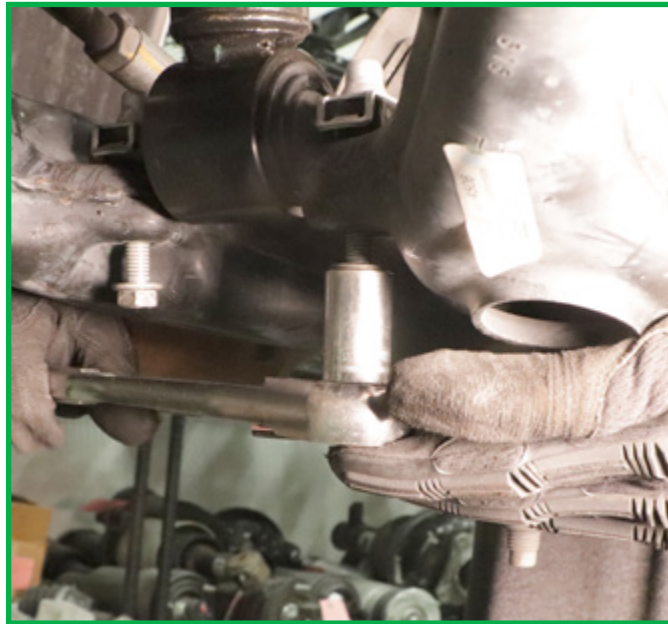


FIGURE 10

3. Reinstall the three (3) top mount nuts. Tighten to manufacturer's specifications. (Figures 11, 12)



FIGURE 11



FIGURE 12

4. Seal and secure unused electrical connectors in a suitable location.
5. Reinstall the applicable front wheel.
6. Lower the vehicle.
7. Installation complete.

REAR SHOCK REMOVAL

1. Raise the vehicle.
2. Support the rear axle. (Figure 13)



FIGURE 13

3. Disconnect the shock's electrical connector. (Figures 14, 15)



FIGURE 14



FIGURE 15

4. Remove the upper shock bolt. (Figures 16, 17)



FIGURE 16



FIGURE 17

5. Remove the lower shock bolt. (Figures 18, 19)



FIGURE 18



FIGURE 19

6. Remove the shock from the vehicle. (Figure 20)



FIGURE 20

7. Removal complete.

REAR SHOCK INSTALLATION



WARNING:

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

NOTE: Secure the air lines and electrical connectors in suitable locations as they are not used for this kit.

1. Install the new shock into the vehicle. (Figure 21)



FIGURE 21

2. Install the upper shock bolt. (Figure 22)



FIGURE 22

3. Install the lower shock bolt. (Figures 23, 24)



FIGURE 23



FIGURE 24

4. Seal and secure the unused electrical connectors in a suitable location.
5. Tighten all hardware to manufacturer's specifications.
6. Lower vehicle.
7. Installation complete.

ELECTRONIC BYPASS MODULE INSTALLATION



WARNING:

To avoid the possibility of short circuits while working with electric components consult your owner's manual on how to disconnect your battery.



WARNING:

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.

1. Locate BCM beneath the driver's side of the dash behind the OBD connector. (Figure 25)

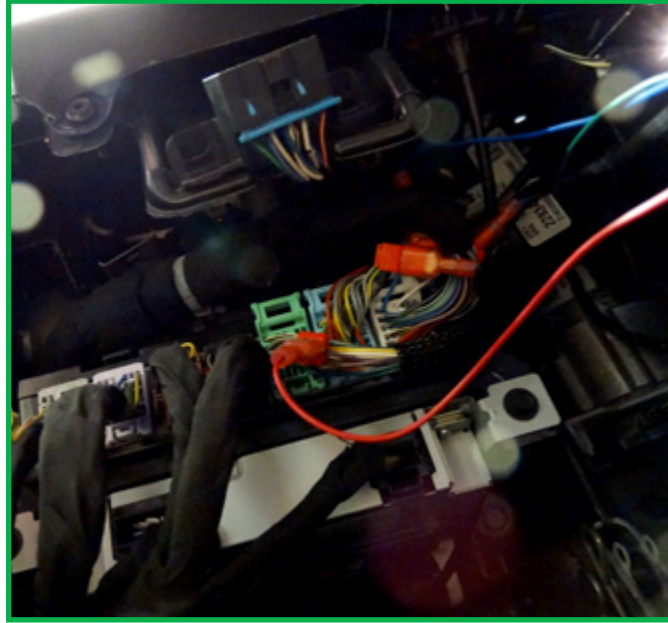


FIGURE 25

2. Using the wiring diagram, match the wires and splice them together with the T-Tap connectors. (Figure 26)

ELECTRONIC BYPASS MODULE	BCM PLUG	BCM PIN#	BCM WIRE/COLOR
Red	Green	6	Violet/Black
Black	Blue	2	Black
Blue	Natural	25	Blue
Green	Natural	24	White



FIGURE 26

3. Once all the wires have been connected you will need to secure the EBM under the dash and away from any source of heat and/or any moving parts.
4. EBM installation complete.
5. Remove the cover from the fuse box in the engine compartment. (Figure 27)



FIGURE 27

6. Remove the 30-amp fuse in location #20 labeled as “ESC ELC EXH”. (Figure 28)

NOTE: If the fuse is not removed a warning light will be displayed in the instrument cluster.

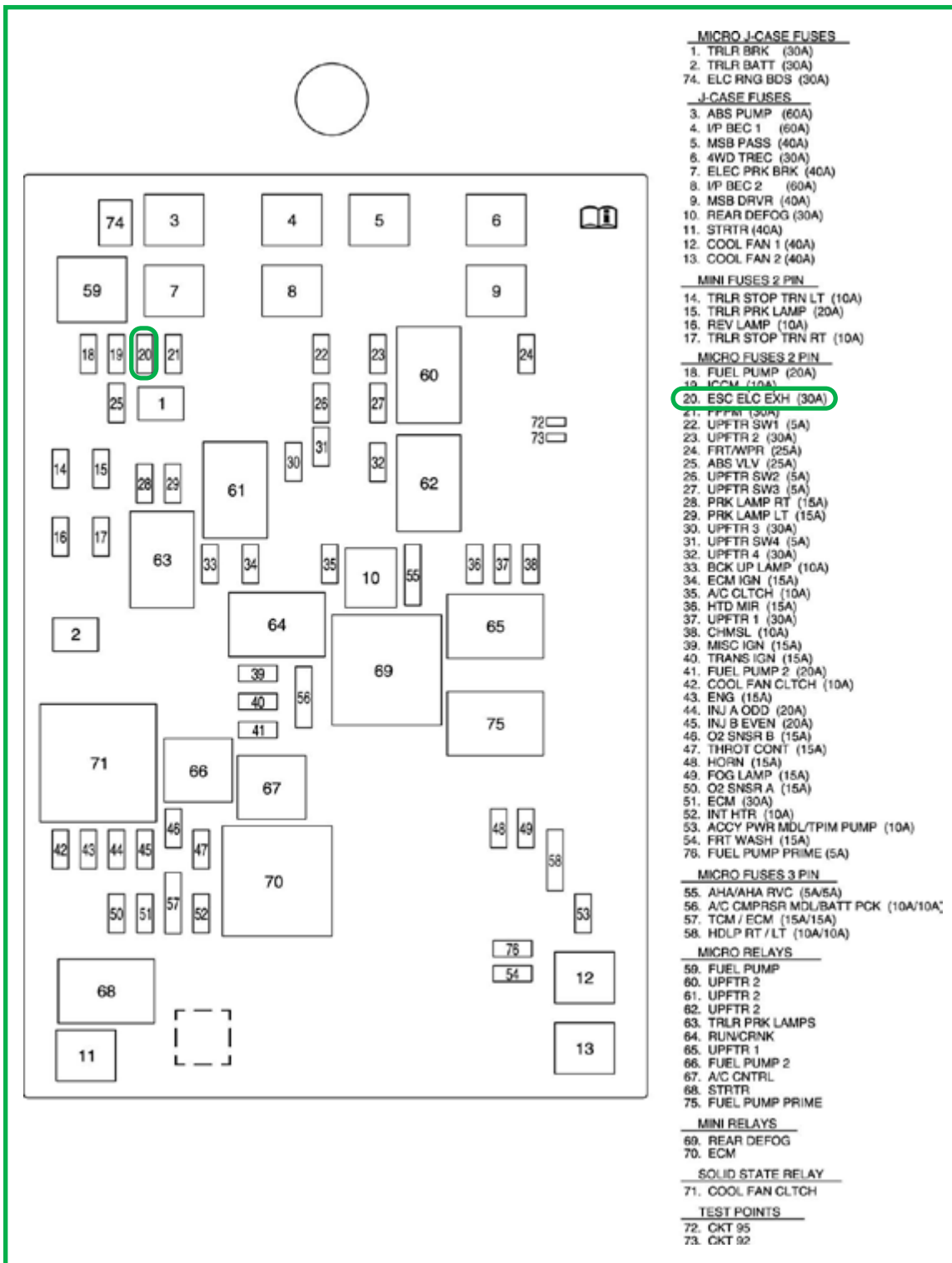


FIGURE 28

7. Reinstall the fuse box cover.

8. Installation complete.

Arnott™

Suspension Products

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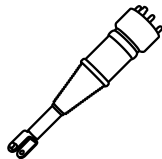
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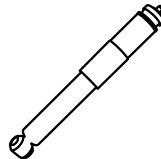
Email: info@arnotteurope.com



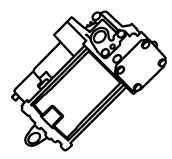
Air Springs



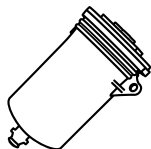
Struts



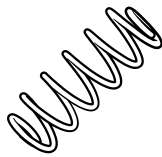
Shocks



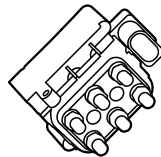
Compressors



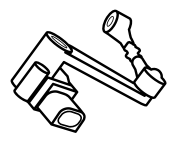
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors