



INSTALLATION MANUAL

C-4029

Arnott New Coil Spring Conversion Kit
Lincoln Navigator (U326)/Ford Expedition (U324)
w/CCD



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.

REAR SHOCK REMOVAL

1. Raise vehicle and remove the applicable rear wheel. (Figure 1)



FIGURE 1

2. Disconnect and unroute electrical connection. (Figures 2, 3)

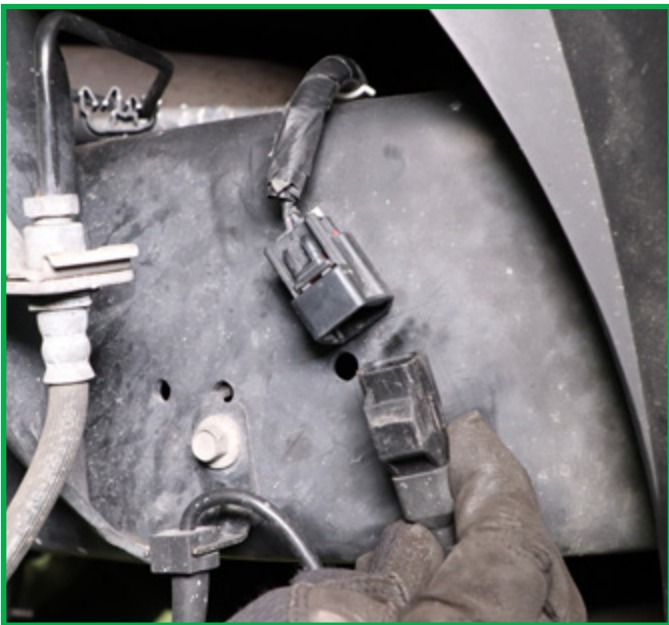


FIGURE 2



FIGURE 3

3. Disconnect ride height sensor bracket from lower control arm. (Figure 4, 5)



FIGURE 4



FIGURE 5

4. Remove the bottom shock bolt. (Figures 6, 7)



FIGURE 6



FIGURE 7

5. Remove lower control arm bolt. (Figure 8, 9)



FIGURE 8



FIGURE 9

6. Remove the three (3) shock top mount nuts. (Figures 10, 11)

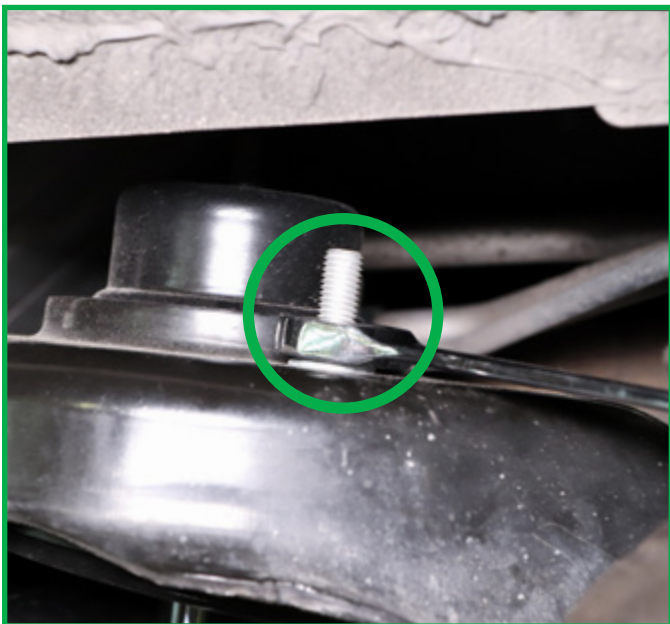


FIGURE 10



FIGURE 11

7. Pull down the lower control arm and remove shock from the vehicle. (Figure 12)



FIGURE 12

8. Removal complete.

REAR SHOCK INSTALLATION



WARNING:

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

1. Insert new Arnott shock into vehicle. (Figure 13)



FIGURE 13

2. Install top mount nuts loosely to hold shock in place. (Figure 14)



FIGURE 14

3. Reconnect the lower control arm and install the lower control arm bolt. Tighten to manufacturer's specifications. (Figures 15, 16)



FIGURE 15

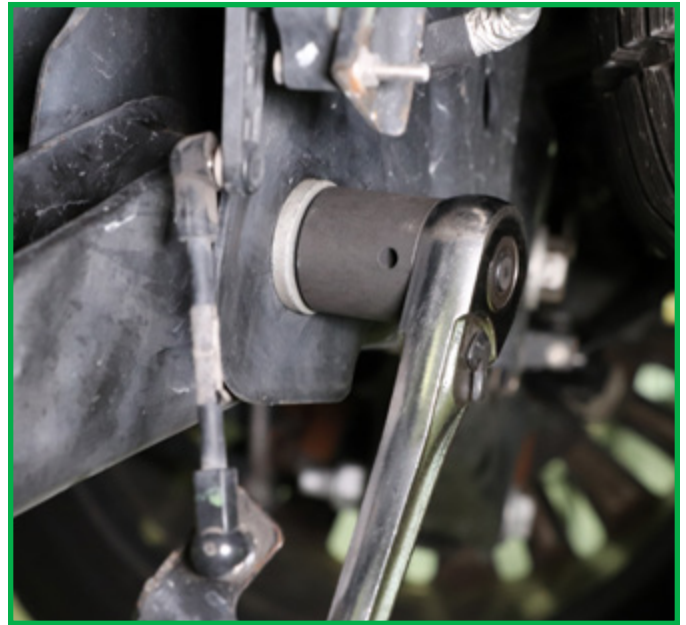


FIGURE 16

4. Position and reinstall the bottom shock mount bolt. Tighten to manufacturer's specifications. (Figures 17, 18)



FIGURE 17



FIGURE 18

5. Reconnect the ride height sensor bracket to the lower control arm. Tighten to manufacturer's specifications. (Figures 19, 20)



FIGURE 19



FIGURE 20

6. Finish tightening top mount nuts to manufacturer's specifications. (Figure 21)



FIGURE 21

7. Reinstall applicable rear wheel.
8. Lower vehicle.
9. Installation complete.

FRONT SHOCK REMOVAL

1. Raise vehicle and remove the applicable front wheel. (Figure 22)

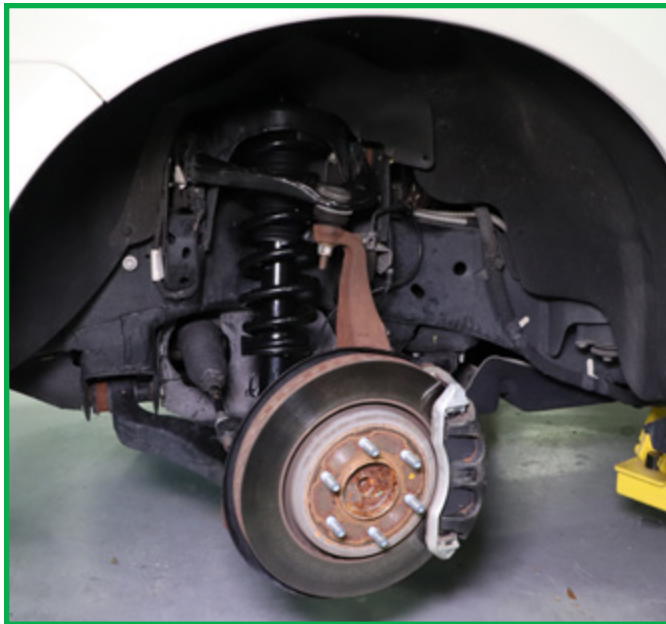


FIGURE 22

2. Disconnect and unroute electrical connection. (Figures 23, 24)



FIGURE 23



FIGURE 24

3. Remove sway bar end link nut and disconnect. (Figures 25, 26)



FIGURE 25



FIGURE 26

4. Remove the two (2) lower shock mount bolts. (Figures 27, 28)



FIGURE 27



FIGURE 28

5. Remove the steering rod link nut and disconnect. (Figures 29, 30)

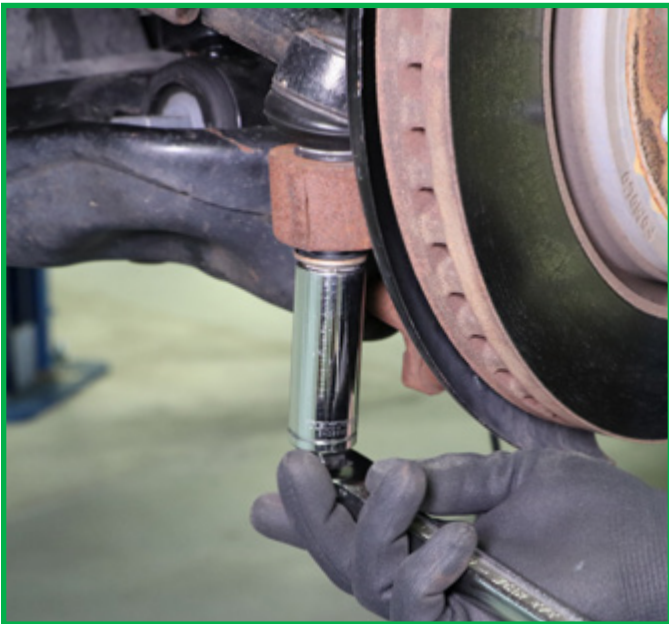


FIGURE 29



FIGURE 30

6. Disconnect the upper control arm. (Figures 31, 32)

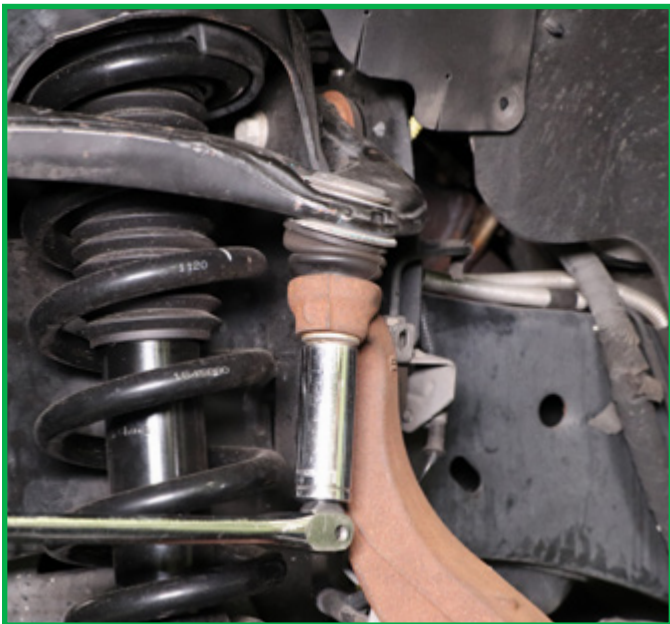


FIGURE 31



FIGURE 32

7. Remove the three (3) top mount nuts. (Figure 33)

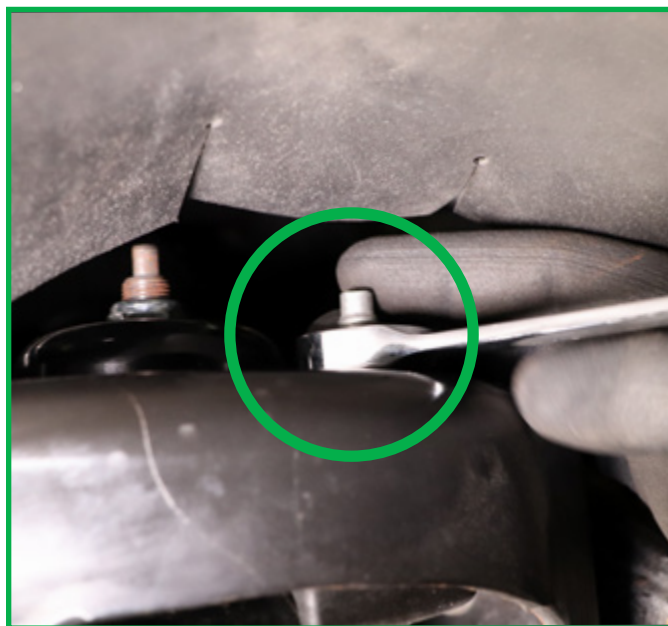


FIGURE 33

8. Remove old shock from the vehicle. (Figure 34)



FIGURE 34

9. Removal complete.

FRONT SHOCK INSTALLATION



WARNING:

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

1. Insert new Arnott shock into vehicle. (Figure 35)



FIGURE 35

2. Install the three (3) top mount nuts and tighten to manufacturer's specifications. (Figure 36)

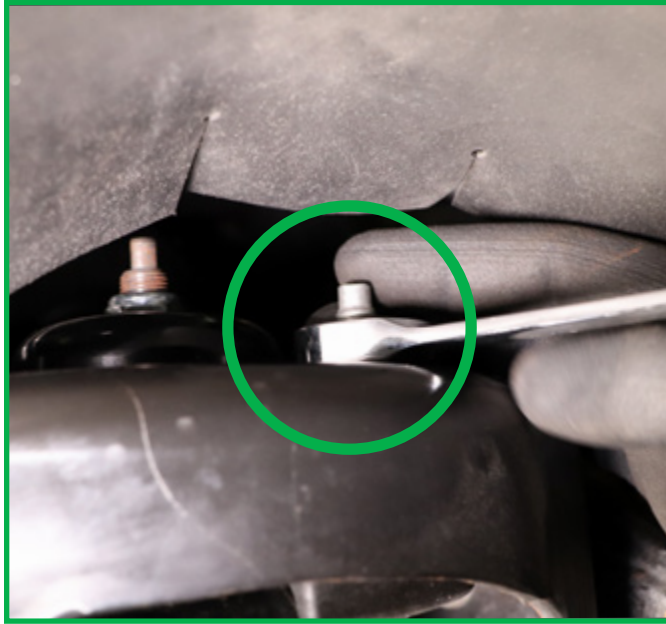


FIGURE 36

3. Connect the upper control arm and tighten to manufacturer's specifications. (Figure 37)

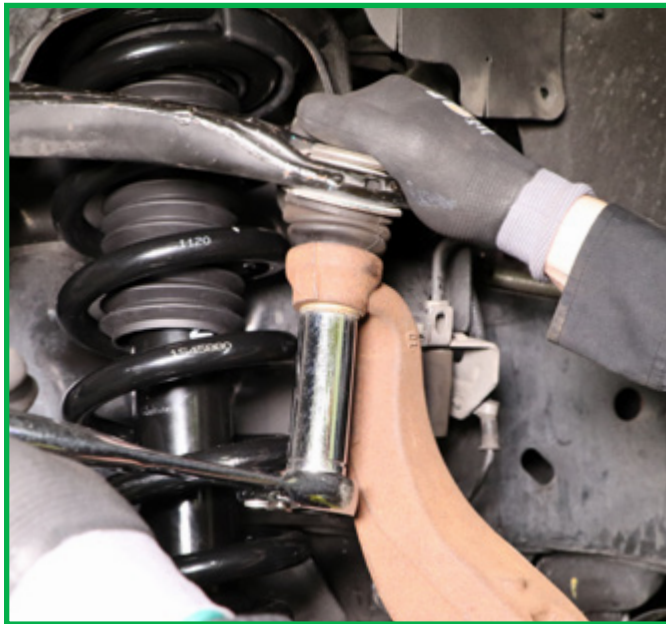


FIGURE 37

4. Reconnect the steering rod link. Tighten to manufacturer's specifications. (Figure 38)

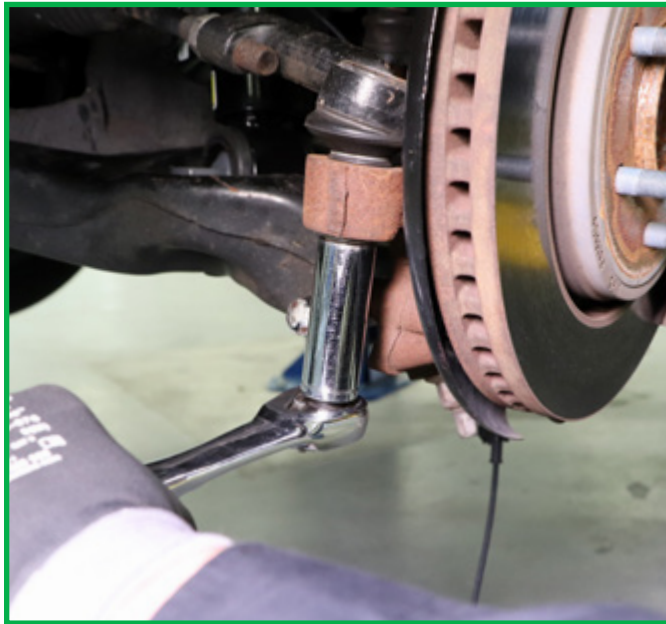


FIGURE 38

5. Install the two (2) lower shock mount bolts. Tighten to manufacturer's specifications. (Figure 39, 40)

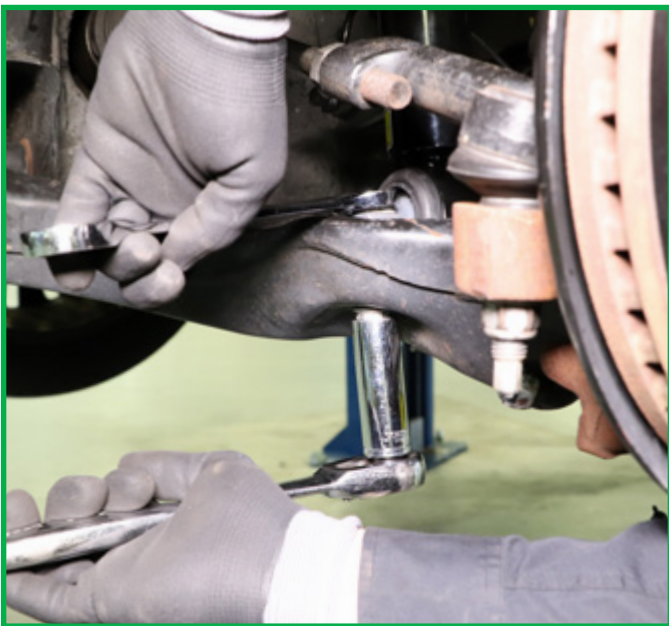


FIGURE 39



FIGURE 40

6. Reinstall the sway bar end link and nut. Tighten to manufacturer's specifications. (Figure 41)



FIGURE 41

7. Reinstall the applicable front wheel.
8. Lower the vehicle.
9. Installation complete.

ELECTRONIC BYPASS MODULE INSTALLATION

1. Remove the lower trim panel from each side of the front center console. Remove the retaining screws. (Figures 42, 43)

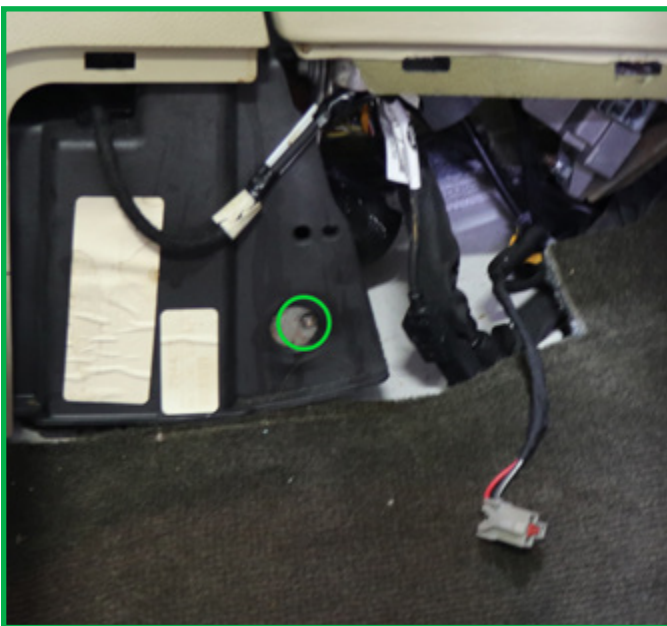


FIGURE 42



FIGURE 43

2. Move the front seats forward and remove the rear screws on the center console. (Figures 44, 45)



FIGURE 44



FIGURE 45

3. Tilt the console forward to gain access to the Vehicle Dynamics Module underneath. (Figures 46, 47)



FIGURE 46



FIGURE 47

	From	To	Pin #	Connector #	
EBM HARNESS	Red	White/Brown	7	C3272B	VEHICLE'S WIRING HARNESS
	Black	Black/Violet	6	C3672A	
	Blue	White/Blue	8	C3672A	
	Green	White	9	C3672A	

6. Connect the EBM to the EBM harness. (Figure 51)

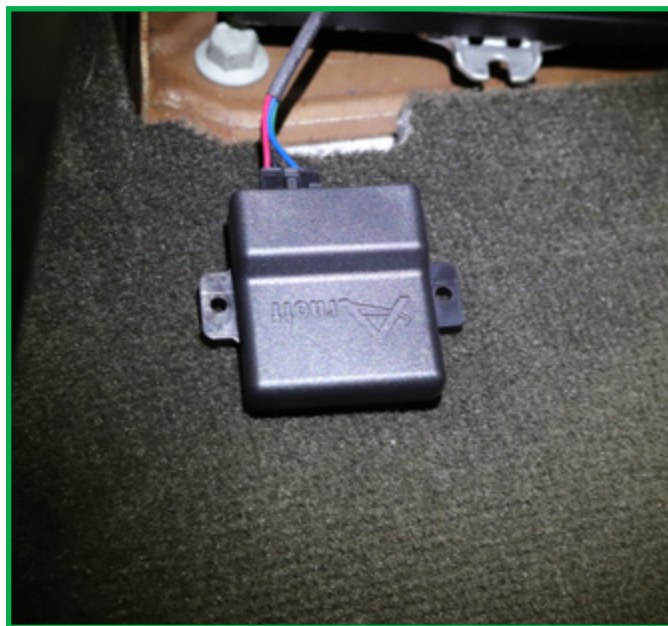


FIGURE 51

7. Secure the EBM to a safe location. Do not plug the VDM harnesses back into the VDM.
8. Reinstall the center console and replace the trim.
9. Installation complete.

Arnott™

Suspension Products

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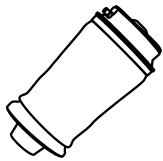
UK Phone: +44 203 3186 124

BE Phone: +32 258 846 90

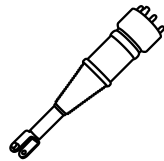
ES Phone: +34 91 901 10 56

FR Phone: +32 78 48 46 93

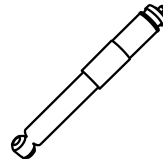
Email: info@Arnotteurope.com



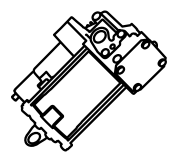
Air Springs



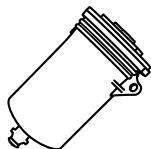
Struts



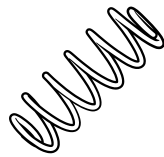
Shocks



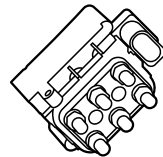
Compressors



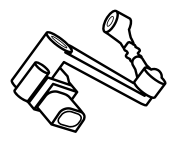
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors