

## Arnott C-3420

# Arnott Coil Spring Conversion Kit

Model: C-3420 for 2013-2018 Ram 1500 (DS)

## PRODUCT OVERVIEW

The Arnott Coil Spring Conversion Kit (C-3420) is designed to replace the original air suspension system in 2013-2018 Ram 1500 (DS) models with a traditional coil spring suspension. This kit provides a reliable and cost-effective alternative to air suspension, engineered for durability and performance.

## Key Features

- Specially valved shock absorbers for optimal ride quality.
- CNC-machined aluminum seats ensure precise fitment and durability.
- US-made powder-coated steel coil springs for corrosion resistance and longevity.
- Engineered in the USA to meet high quality standards.

## COMPONENTS INCLUDED

This kit typically includes the following components:

- Coil Spring Conversion Kit - 13-18 Ram 1500 (DS)
- Electronic Bypass Module (EBM)
- Necessary hardware for installation



Image: Complete Arnott Coil Spring Conversion Kit showing all major components.



Image: Close-up of two Arnott coil springs and associated bump stops.

## INSTALLATION GUIDE

Installation of the Arnott Coil Spring Conversion Kit should be performed by a qualified technician or an individual with experience in automotive suspension systems. Always refer to the detailed step-by-step instructions provided with your kit for precise procedures and torque specifications.

### General Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.

- Ensure the vehicle is securely supported on a lift or jack stands before beginning any work.
- Disconnect the vehicle's battery before working on electrical components.
- Do not work under a vehicle supported only by a jack.

## Pre-Installation Steps

1. Park the vehicle on a level surface.
2. Raise the vehicle and remove the wheels.
3. Carefully depressurize and remove the existing air suspension components according to the vehicle manufacturer's service manual.

## Installation Procedure

The Arnott Coil Spring Conversion Kit is designed for easy installation without modifications to the vehicle. The general steps involve:

1. Install the new coil spring assemblies into the designated mounting points.
2. Secure all fasteners to the manufacturer's specified torque.
3. Install the Electronic Bypass Module (EBM) as per the specific wiring instructions.
4. Reinstall wheels and lower the vehicle.

## Electronic Bypass Module (EBM) Installation

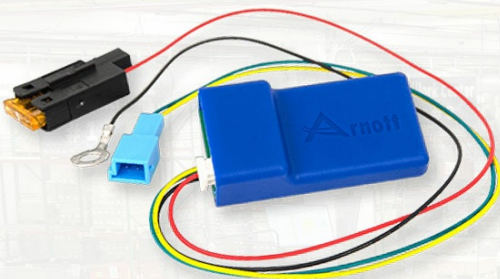
The Arnott exclusive Electronic Bypass Module (U.S. Pat. No. 9,329,917) is a critical component designed to eliminate suspension dashboard warning lights that would otherwise appear after converting from air suspension. It includes complete step-by-step instructions and wiring information to make installation quick and easy. The EBM turns off suspension dashboard warning lights and is a patented design.



Image: The Electronic Bypass Module (EBM) and its wiring, essential for preventing dashboard warning lights.

### EBM (Electronic Bypass Module)

**Arnott's exclusive Electronic Bypass Module (U.S. Pat. No. 9,329,917) is designed to eliminate suspension dashboard warning lights. This patented device includes complete step by step instructions and wiring information to make installation quick and easy.**



**URNS OFF SUSPENSION  
DASHBOARD WARNING LIGHTS**



**ARNOTT EXCLUSIVE**



**PATENTED DESIGN**



Image: Visual representation of the EBM's function in managing dashboard warning lights.

## OPERATION

After successful installation, your vehicle's suspension will operate with traditional coil springs, providing a consistent ride height and handling characteristics similar to a standard coil spring equipped vehicle. The conversion kit is designed to restore the vehicle's ride and handling to factory specifications, ensuring a comfortable and stable driving experience.



Image: The conversion kit aims to provide a ride quality comparable to a new vehicle.

## MAINTENANCE

The Arnott Coil Spring Conversion Kit is designed for minimal maintenance. Regular vehicle inspections should include checking the suspension components for any signs of wear, damage, or loose fasteners. It is recommended to:

- Periodically inspect coil springs for cracks or corrosion.
- Check shock absorbers for leaks or damage.
- Ensure all mounting bolts are properly torqued during routine vehicle service.

## TROUBLESHOOTING

Most issues after installing the conversion kit are related to the electronic bypass module or incorrect installation.

### Dashboard Warning Lights

If suspension-related warning lights appear on the dashboard after installation, verify the following:

- Ensure the Electronic Bypass Module (EBM) is correctly wired and connected according to the provided instructions.
- Check all electrical connections to the EBM for looseness or corrosion.
- Confirm that the vehicle's battery was disconnected during EBM installation and reconnected properly.

The EBM is specifically designed to prevent these warning lights. If issues persist, consult the detailed wiring diagram in your kit or contact Arnott customer support.

### Unusual Noises or Ride Quality Issues

If you experience unusual noises (e.g., clunking, squeaking) or an unsatisfactory ride quality:

- Re-check all mounting points and fasteners to ensure they are properly torqued.
- Inspect the coil springs and shock absorbers for any signs of damage or improper seating.
- Ensure no components are interfering with other parts of the vehicle's chassis or suspension.

## SPECIFICATIONS

Attribute	Value
Item Package Dimensions L x W x H	26 x 15.5 x 14 inches
Package Weight	37.38 Kilograms
Item Dimensions LxWxH	27 x 16 x 14 inches
Brand Name	Arnott
Model Name	C-3420
Color	Standard
Material	Plastic (referring to EBM, main components are metal)
Number of Items	1 (kit)
Manufacturer	Arnott
Part Number	C-3420
Included Components	Coil Spring Conversion Kit - 13-18 Ram 1500 (DS)
Size	Large

## WARRANTY INFORMATION




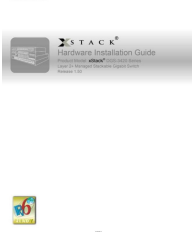


This Arnott product is covered by a Manufacturer Warranty. For specific details regarding the warranty period, coverage, and claims process, please refer to the warranty documentation included with your product or visit the official Arnott website.

## CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries, please contact Arnott customer support. Arnott provides professional, multilingual customer service to assist you with your product.

Please have your product model number (C-3420) and purchase information ready when contacting support.

Related Documents - C-3420

	<p><a href="#">Arnott Air Suspension Parts Catalog 2020   Premium Auto Parts</a></p> <p>Explore the Arnott Air Suspension 2020 Parts Catalog, featuring a comprehensive range of air springs, struts, compressors, and conversion kits for luxury vehicles. Trusted quality and innovation for over 30 years.</p>
	<p><a href="#">Arnott Rear Air Spring A-2220 Installation Manual for Lincoln Town Car, Ford Crown Victoria, Mercury Grand Marquis</a></p> <p>Installation manual for Arnott Rear Air Spring model A-2220, compatible with 1990-2011 Lincoln Town Car and 1992-2011 Ford Crown Victoria/Mercury Grand Marquis. Includes removal and installation instructions, safety precautions, and contact information.</p>
	<p><a href="#">Installation Instructions for C-3023 Running Boards</a></p> <p>Step-by-step guide for installing C-3023 running boards on Dodge Ram and Ram trucks, including parts list and torque specifications.</p>
	<p><a href="#">D-Link xStack DGS-3420 Series Hardware Installation Guide</a></p> <p>Comprehensive guide for D-Link xStack DGS-3420 Series Layer 2+ Managed Stackable Gigabit Switches, covering installation, configuration, management, features, and technical specifications for network professionals.</p>
	<p><a href="#">D-Link xStack DGS-3420 Series Hardware Installation Guide</a></p> <p>Comprehensive hardware installation guide for the D-Link xStack DGS-3420 Series Layer 2+ Managed Stackable Gigabit Switches. Covers setup, connection, management, and technical specifications.</p>
	<p><a href="#">PZ C-3024 Running Boards Installation Guide for Dodge Ram</a></p> <p>Comprehensive installation manual for PZ C-3024 running boards (side step nerf bars) designed for Dodge Ram trucks (2009-2024 models). Includes tools, parts list, and step-by-step instructions for various vehicle configurations.</p>