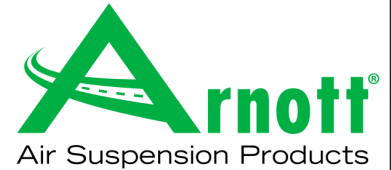


# Installation Manual

MR-3839  
NEW FRONT MAGNETIC SHOCK  
2015-2019 VARIOUS GM SUV'S (GMT K2XX)  
w/MAGNERIDE - LT/RT



Congratulations on your purchase of an Arnott® air suspension product. We at Arnott 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.*

**Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling 800-251-8993 during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com). (In the EU please call +31 (0)73 7850 580 or email [info@arnotteurope.com](mailto: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](http://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.*

## MAGNETIC 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

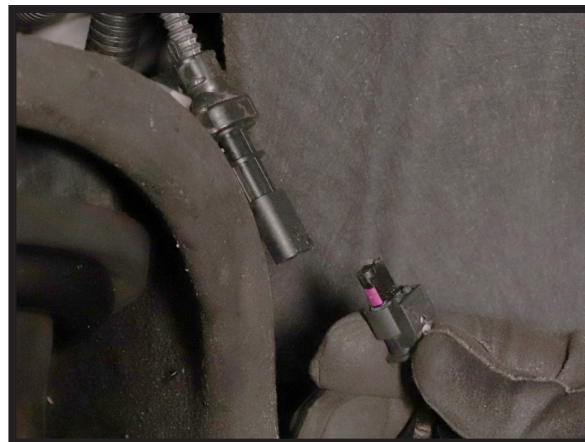


FIGURE 3

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)

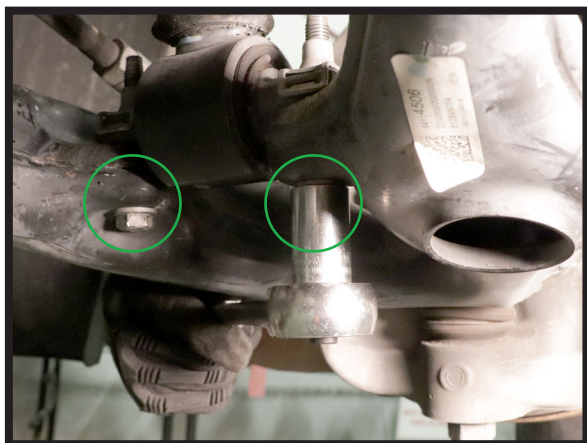


FIGURE 6



FIGURE 7

5. REMOVE THE SHOCK ASSEMBLY FROM THE VEHICLE. (FIGURE 8)



FIGURE 8

6. USING THE PROPER EQUIPMENT, COMPRESS THE COIL SPRING OF THE SHOCK ASSEMBLY IN ORDER TO SAFELY BEGIN DISASSEMBLY. (FIGURE 9)

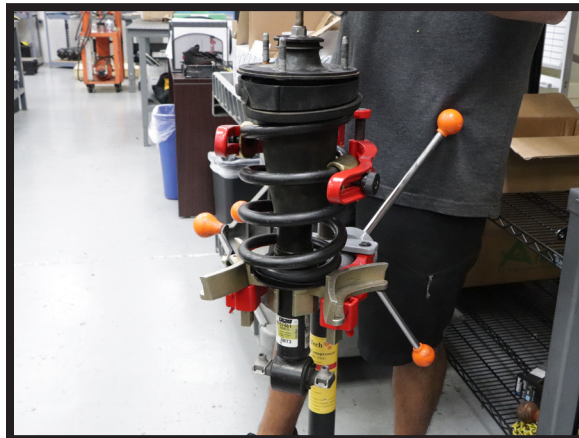


FIGURE 9

7. REMOVE THE ELECTRICAL CONNECTOR RETAINING CLIP. THIS CLIP WILL BE SAVED FOR REUSE. (FIGURE 10)



FIGURE 10

8. REMOVE THE ELECTRICAL CONNECTOR AND DISCARD. (FIGURE 11)



FIGURE 11

9. ENSURE THAT THE COIL SPRING IS SAFELY COMPRESSED AND REMOVE THE TOP MOUNT RETAINING NUT. (FIGURES 12, 13)



FIGURE 12



FIGURE 13

10. REMOVE THE TOP MOUNT ASSEMBLY AND SET ASIDE FOR REUSE. (FIGURES 14, 15)



FIGURE 14



FIGURE 15

11. DECOMPRESS THE COIL SPRING AND REMOVE. SET ASIDE FOR REUSE. (FIGURE 16)



FIGURE 16

12. REMOVE THE RUBBER RING FROM THE SHOCK. THIS CAN ALSO BE SET ASIDE FOR REUSE. (FIGURE 17)



FIGURE 17

13. REMOVAL COMPLETE.

## MAGNETIC SHOCK INSTALLATION



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

1. PREPARE THE NEW SHOCK FOR ASSEMBLY BY SAFELY MOUNTING IT ON THE COMPRESSOR. (FIGURE 18)

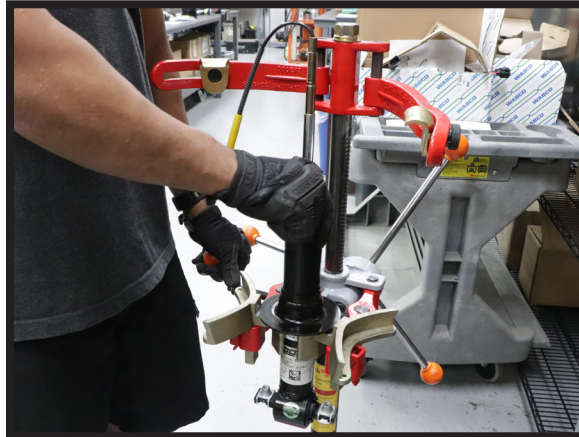


FIGURE 18

2. PLACE THE RUBBER RING ON TO THE NEW SHOCK IN THE SAME ORIENTATION AS BEFORE. (FIGURES 19, 20)



FIGURE 19

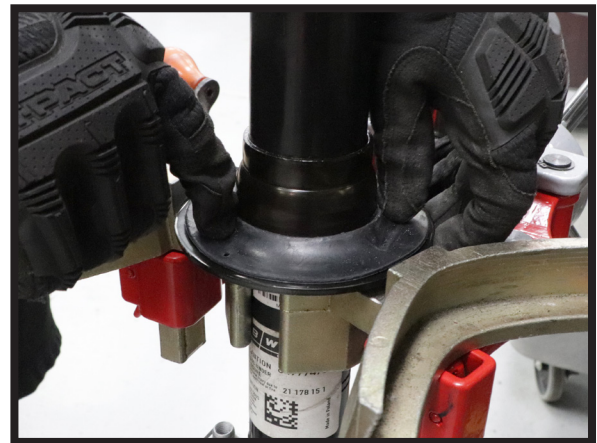


FIGURE 20

3. PLACE THE COIL SPRING ONTO THE SHOCK AND SAFELY COMPRESS IT TO CONTINUE WITH ASSEMBLY. (FIGURES 21, 22)



FIGURE 21

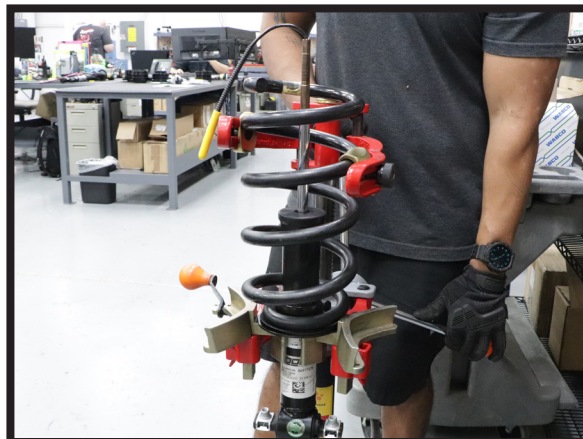


FIGURE 22

4. PLACE ALL PARTS OF THE TOP MOUNT ASSEMBLY ON TO THE NEW SHOCK. (FIGURES 23, 24, 25)



FIGURE 23



FIGURE 24



FIGURE 25



5. INSTALL THE PROVIDED TOP MOUNT RETAINING NUT. SAFELY TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 26, 27)



FIGURE 26



FIGURE 27

6. PLACE THE PROVIDED ELECTRICAL CONNECTOR ON TO THE WIRE LEADS AS SHOWN. ENSURE THE WIRES ARE FULLY SEATED. (FIGURES 28, 29, 30, 31)



FIGURE 28



FIGURE 29



FIGURE 30



FIGURE 31

7. REINSTALL THE WIRE RETAINING CLIP. (FIGURE 32)

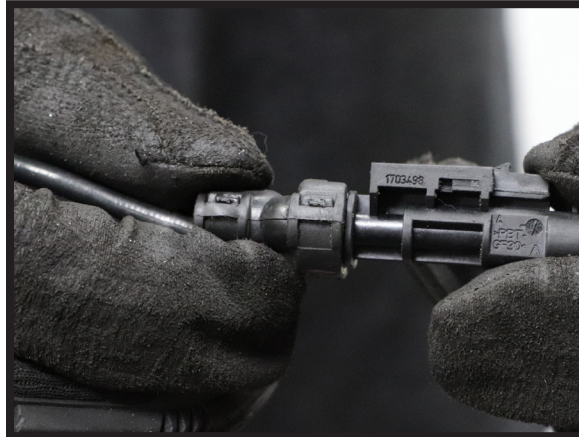


FIGURE 32

8. INSTALL THE ASSEMBLED SHOCK ONTO THE VEHICLE. (FIGURE 33)



FIGURE 33

9. REINSTALL THE TWO (2) BOTTOM MOUNT BOLTS. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 34)

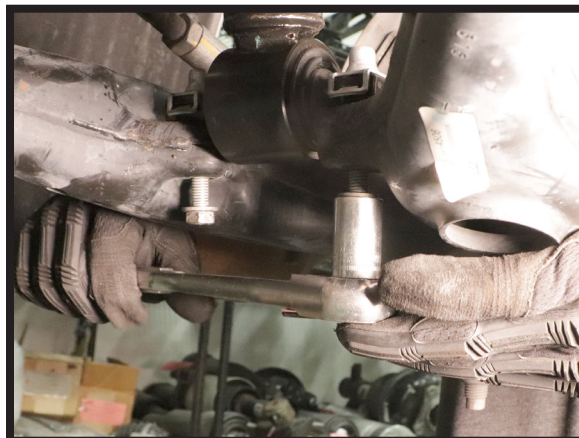


FIGURE 34

10. REINSTALL THE THREE (3) TOP MOUNT NUTS. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 35, 36)



FIGURE 35



FIGURE 36

11. REROUTE AND CONNECT THE ELECTRICAL CONNECTION. (FIGURES 37, 38)

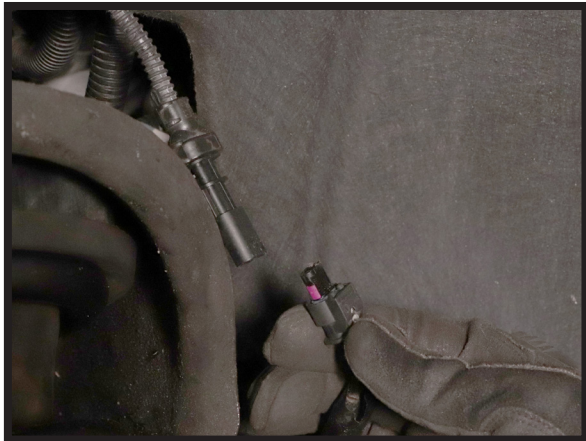


FIGURE 37



FIGURE 38

12. REINSTALL THE APPLICABLE FRONT WHEEL.  
13. LOWER THE VEHICLE.  
14. INSTALLATION COMPLETE.