

# Installation Manual

**P-3731  
NEW AMK  
AIR SUSPENSION COMPRESSOR  
2014-2021 LAND ROVER RANGE ROVER (L405)  
2014-2017 RANGE ROVER SPORT (L494)**



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

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett 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.*

## AIR SUSPENSION COMPRESSOR REMOVAL

1. RAISE THE VEHICLE.
2. IN THE BACK OF THE VEHICLE, REMOVE THE SPARE TIRE COMPARTMENT COVER. (FIGURE 1)



FIGURE 1

3. REMOVE THE SPARE TIRE. (FIGURES 2, 3)



FIGURE 2



FIGURE 3

4. REMOVE THE PROTECTIVE PIECES AND ACCESSORIES SURROUNDING THE COMPRESSOR COMPARTMENT. (FIGURES 4, 5, 6)



FIGURE 4



FIGURE 5



FIGURE 6

5. LOOSEN AND REMOVE THE TWO COMPRESSOR HOUSING BOLTS. (FIGURES 7, 8)



FIGURE 7



FIGURE 8

6. LOOSEN THE COMPRESSOR HOUSING UNIT BY RAISING SLIGHTLY AND SLIDING THE CLIP AWAY FROM ITS RESPECTIVE SLOT, FREEING THE UNIT. (FIGURES 9, 10)

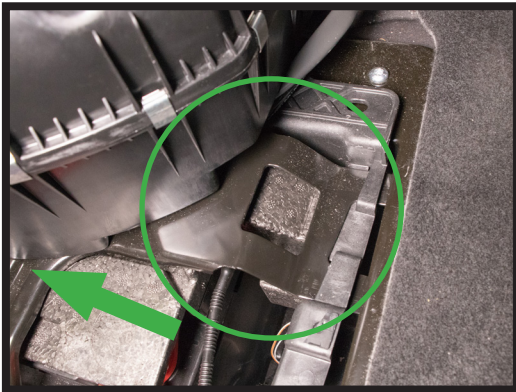


FIGURE 9



FIGURE 10

7. FLIP THE COMPRESSOR HOUSING UNIT OVER. LOOSEN AND REMOVE THE THREE COMPRESSOR MOUNTING FASTENERS. SAVE FASTENERS FOR RE-USE. (FIGURE 11)

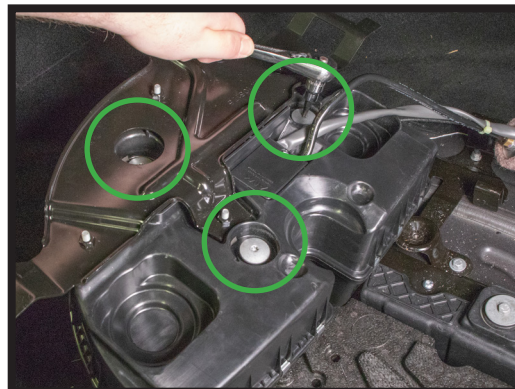


FIGURE 11

8. REMOVE THE WIRE HARNESS PANEL COVER. (FIGURES 12, 13)

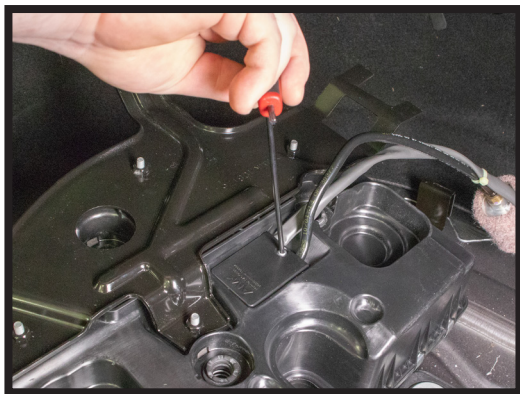


FIGURE 12

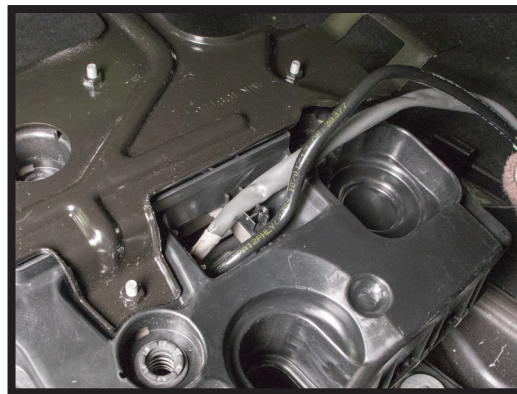


FIGURE 13

9. REMOVE ALL OF THE COMPRESSOR HOUSING CLIPS. (FIGURE 14)



FIGURE 14

**NOTE:**

*THE COMPRESSOR HOUSING CLIPS LINE THE ENTIRE OUTER RIM OF THE HOUSING UNIT.  
ALL CLIPS MUST BE REMOVED FOR INTERIOR ACCESS.*

10. REMOVE THE COMPRESSOR HOUSING COVER. (FIGURE 15)



FIGURE 15

11. PULL OUT THE COMPRESSOR JUST ENOUGH TO ACCESS THE WIRING HARNESS AND HOSES. (FIGURE 16)



FIGURE 16

12. REMOVE THE COMPRESSOR HOUSING MOUNTING HARDWARE AND SET ASIDE FOR INSTALLATION. (FIGURE 17)



FIGURE 17

13. DISCONNECT THE TWO ELECTRICAL CONNECTORS. (FIGURES 18, 19, 20)



FIGURE 18

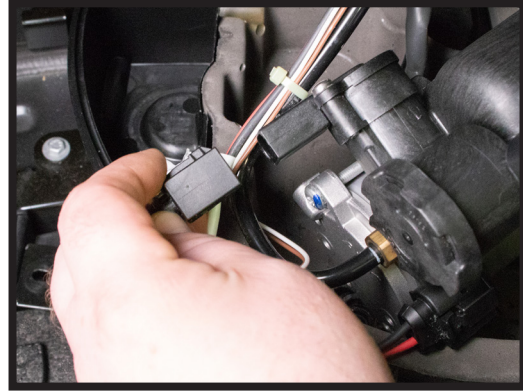


FIGURE 19

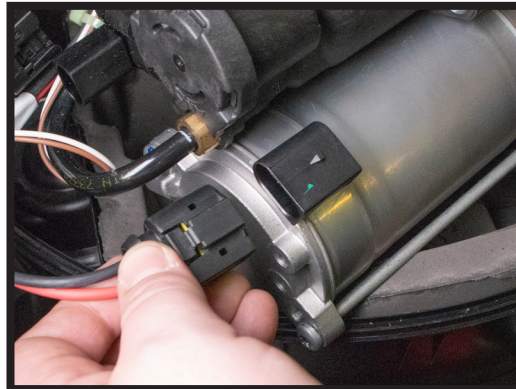


FIGURE 20

14. LOOSEN AND DISCONNECT THE AIR LINE. (FIGURES 21, 22)

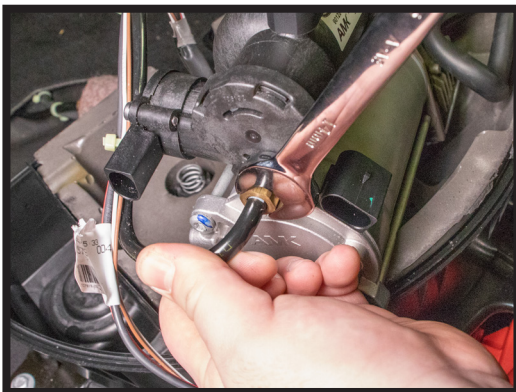


FIGURE 21

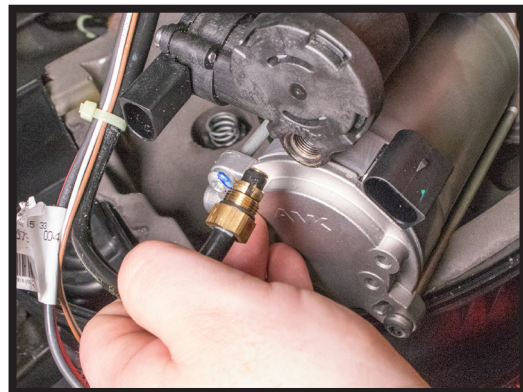


FIGURE 22

15. REMOVE THE COLLET AND VOSS FITTING FROM THE AIR LINE. (FIGURES 23, 24, 25)



FIGURE 23



FIGURE 24



FIGURE 25

16. REMOVE THE AIR DRYER. (FIGURE 26)



FIGURE 26



17. LOOSEN AND REMOVE THE THERMAL SENSOR HARNESS. (FIGURES 27, 28)

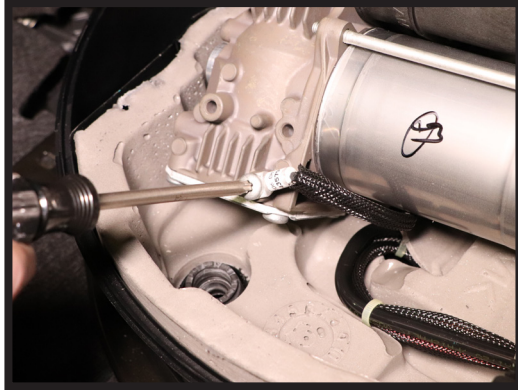


FIGURE 27



FIGURE 28

18. REMOVE THE COMPRESSOR. (FIGURE 29)



FIGURE 29

19. REMOVAL COMPLETE.

## AIR SUSPENSION COMPRESSOR INSTALLATION



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



*Do not remove the air fitting from the air suspension compressor. Doing so may cause damage and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.*

1. INSTALL THE COMPRESSOR INTO THE VEHICLE. (FIGURE 30)



FIGURE 30

2. INSTALL THE THERMAL SENSOR HARNESS. (FIGURE 31)



FIGURE 31

3. REINSTALL THE AIR DRYER. (FIGURE 32)



FIGURE 32

4. REINSTALL THE TWO ELECTRICAL CONNECTORS. (FIGURES 33, 34)



FIGURE 33



FIGURE 34

5. INSTALL THE AIR LINE AND GENTLY PULL OUTWARD TO ENSURE THAT THE AIR LINE IS SECURED. (FIGURE 35)

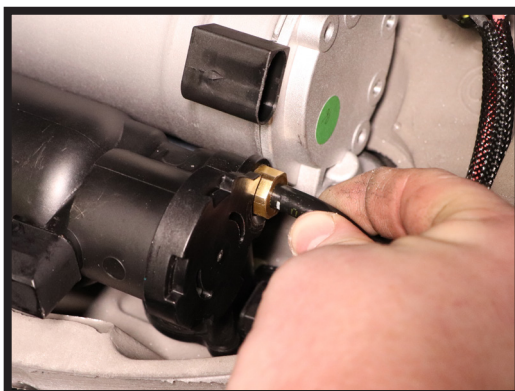


FIGURE 35

6. REINSTALL THE COMPRESSOR HOUSING MOUNTING HARDWARE. (FIGURE 36)



FIGURE 36

7. PLACE THE COMPRESSOR BACK INTO THE COMPRESSOR HOUSING SHELL. (FIGURE 37)



FIGURE 37

8. REINSTALL THE COMPRESSOR HOUSING SHELL SECURE WITH RESPECTIVE CLIPS. (FIGURES 38)



FIGURE 38

**NOTE:**

*THE COMPRESSOR HOUSING CLIPS LINE THE ENTIRE OUTER RIM OF THE HOUSING UNIT.  
ALL CLIPS MUST BE INSTALLED TO ENSURE THE SHELL IS PROPERLY SECURED.*

9. FLIP THE COMPRESSOR HOUSING UNIT OVER AND REINSTALL THE THREE COMPRESSOR MOUNTING FASTENERS. (FIGURE 39)

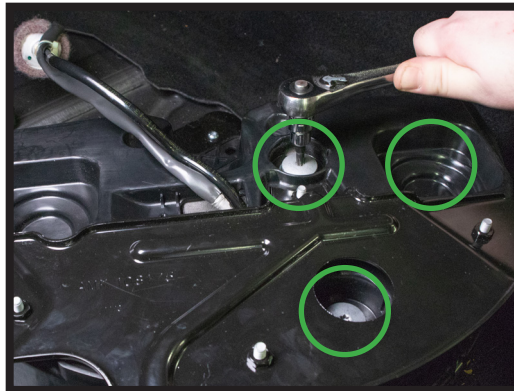


FIGURE 39

10. REINSTALL THE WIRE HARNESS PANEL COVER. (FIGURE 40)



FIGURE 40

11. FLIP THE COMPRESSOR HOUSING UNIT BACK OVER AND PLACE IN ITS RESPECTIVE LOCATION, ENSURING THE BRACKET IS RETAINED PROPERLY ON THE RIGHT SIDE. REINSTALL THE TWO COMPRESSOR HOUSING BOLTS AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 41, 42)



FIGURE 41

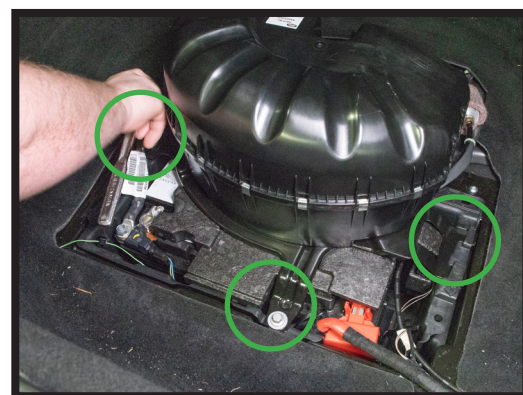


FIGURE 42

12. REINSTALL THE PROTECTIVE PIECES AND ACCESSORIES SURROUNDING THE COMPRESSOR COMPARTMENT.
13. REINSTALL THE SPARE TIRE.
14. REINSTALL THE SPARE TIRE COMPARTMENT COVER.
15. LOWER THE VEHICLE.
16. COMPRESSOR INSTALLATION COMPLETE.