



INSTALLATION MANUAL

AH-5696 Arnot Complete Air Helper Kit VW Crafter (SY) & MAN TGE



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.

REMOVAL

1. Remove the original bump stop. (Figure 1)



FIGURE 1

2. Remove the upper bolt from the anti-roll bar clamp/axle bracket. (Figure 2)



FIGURE 2

3. Loosen the lower bolt of the anti-roll bar axle bracket by four to 4–5 turns. Keep the bolt in place so the bracket maintains contact, but create a small gap between the clamp and the axle. Clean all necessary areas to remove dirt, dust, and any added underbody sealant or protective coating. (Figure 3)

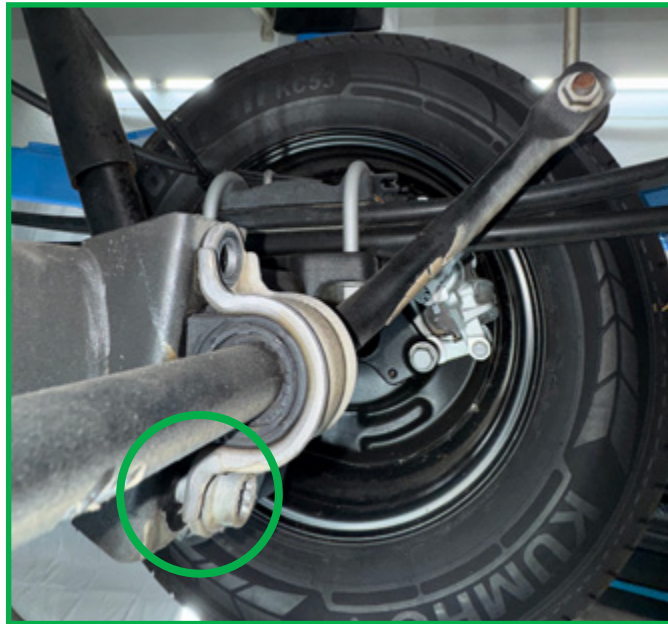


FIGURE 3

INSTALLATION

1. Slide the lower bracket of the air spring assembly into position between the anti-roll bar clamp and axle bracket. (Figure 4)



FIGURE 4

2. Ensure the lower bracket is fully seated on the axle. Reinstall the original bolt into the threaded hole to secure the bracket. (Figure 5)



FIGURE 5

3. Connect the air tube to the air spring. Carefully inflate the air spring while guiding the upper bracket over the frame into its final position. Once aligned, install the M6 screw through the upper bracket and chassis to secure it. (Figure 6)



FIGURE 6

4. Double-check that both brackets are correctly seated. Increase the air pressure to 2 bar. Tighten the anti-roll bar bolts to 125 Nm and the M6 upper bracket screw to 8 Nm. (Figure 7)



FIGURE 7

5. Route both air lines toward the fuel tank area. (Figure 8)

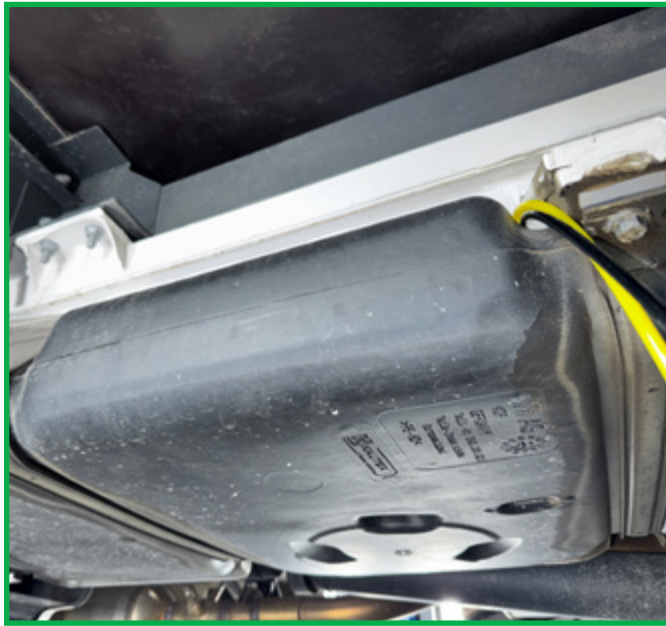


FIGURE 8

6. Loosen the two M8 screws on the fuel tank straps by 3-4 turns without removing them completely. (Figure 9)



FIGURE 9

7. Position the console adapter bracket between the fuel tank straps and the screw head and tighten the screws to 25Nm. (Figure 10)



FIGURE 10

8. Connect both the left and right air tubes from the air springs to the PTC fittings on the console. Then connect the power supply cable to the power input plug. (Figure 11)

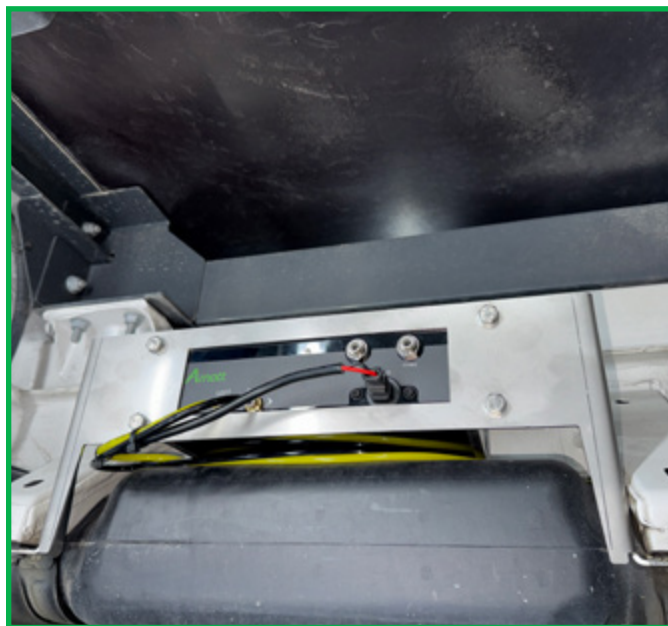


FIGURE 11

9. Route the power supply cable with pigtail ends underneath the vehicle to the battery location. Open the battery cover inside the cabin and remove the square rubber grommet next to the battery in the enclosure. Route the power supply cable into the battery compartment. Then reseal the opening. (Figure 12)

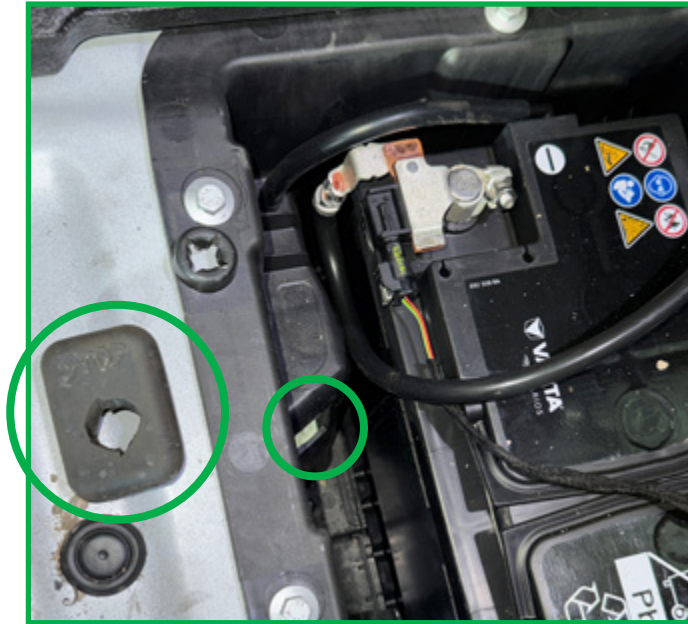


FIGURE 12

10. Connect the black wire to the negative (-) terminal of the 12V battery (ground), and connect the red wire with an inline fuse to the positive (+) terminal of the 12V battery (power).



WARNING:

Ensure all wires and tubes are routed along the factory-installed harnesses or tubing. Avoid sharp bends, abrasion, pinching, and excessive stretching.

CONNECTING CONSOLE AND CONTROLLER

1. Power up the console with the included power cable. Make sure it is fully seated and cannot be pulled out without pressing the retaining clip.
2. Power on the controller with the included 12V power cable or USB-A to USB-C cable. The welcome screen should appear, followed by the language selector. (Figures 13, 14)



FIGURE 13

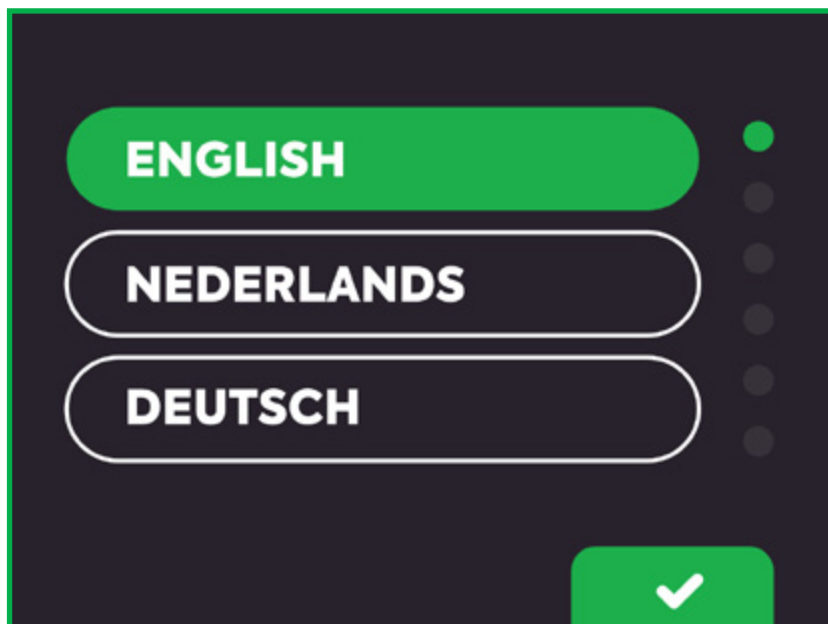


FIGURE 14

3. Select the required language. (Figure 15)



FIGURE 15

4. A screen indicating that the controller is looking for a console will appear. If the controller cannot find the console after 1 minute, move the controller closer to the console. Once the controller finds the console, an identification procedure will appear on the display. (Figures 16, 17)

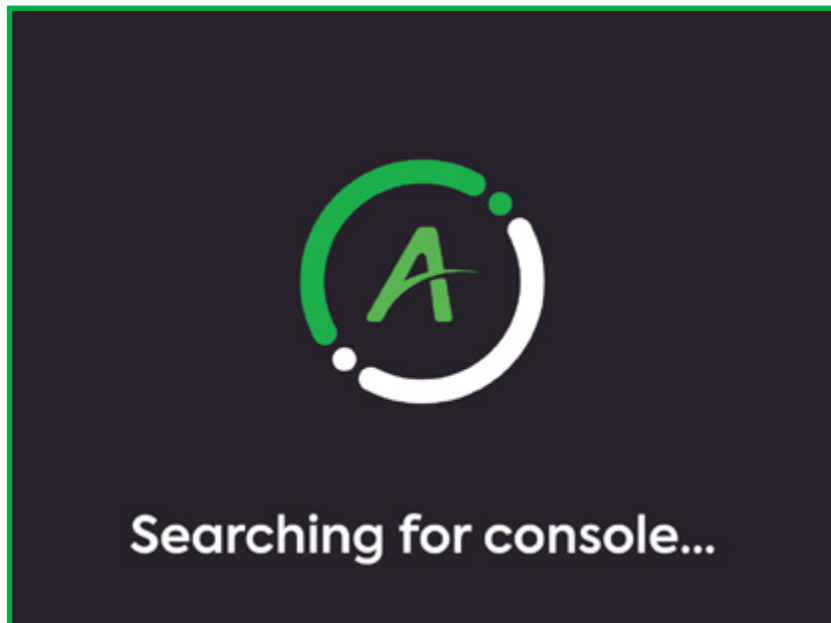


FIGURE 16

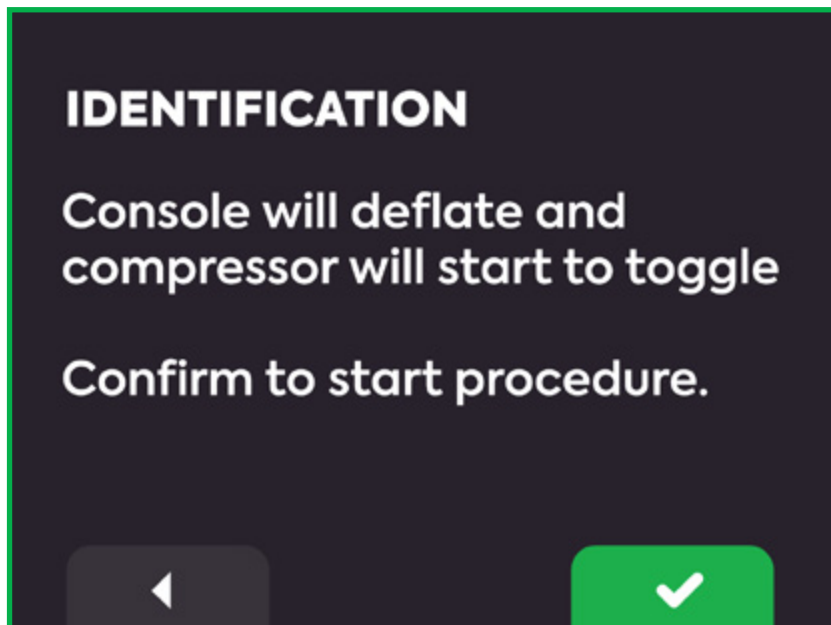


FIGURE 17

5. The identification procedure starts by automatically turning the compressor on and off multiple times. This verifies that the console you are trying to pair it with is the correct unit. When you hear the console, confirm the controller's pairing. (Figures 18, 19)

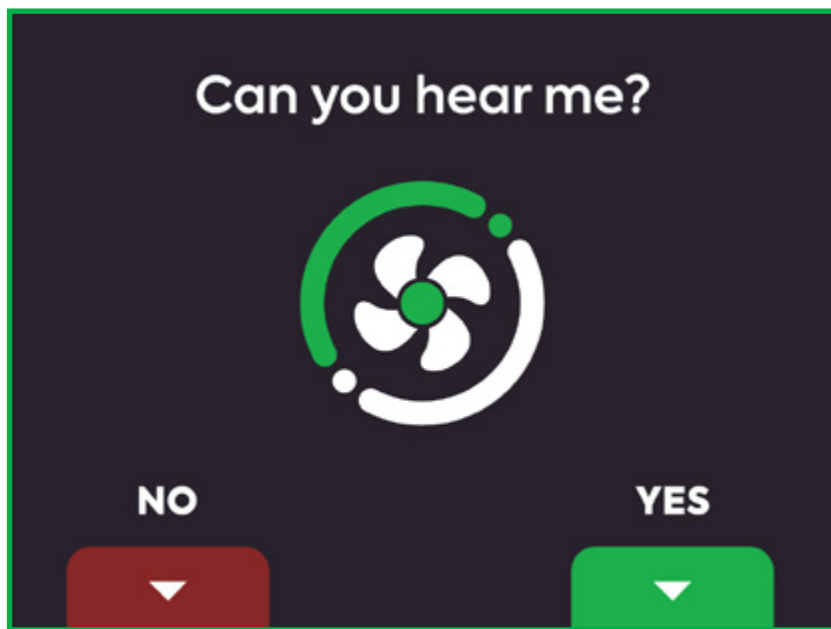


FIGURE 18

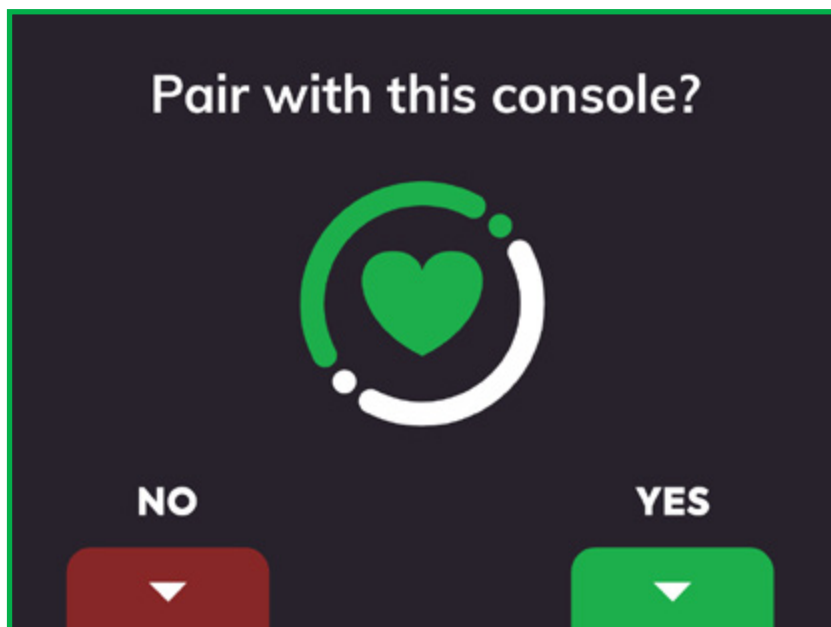


FIGURE 19

6. The console and controller are now successfully paired. (Figure 20)

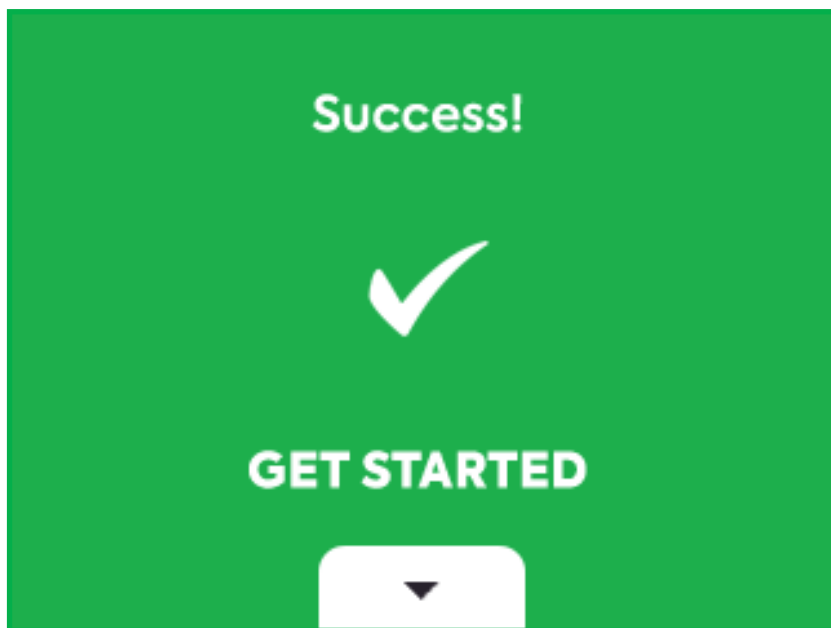


FIGURE 20

Arnott®

Suspension Products

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Fax: 321.868.3703

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BE Phone: +32 258 846 90

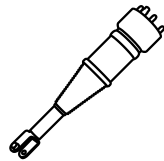
ES Phone: +34 91 901 10 56

FR Phone: +32 78 48 46 93

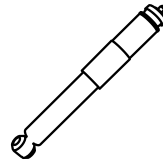
Email: info@arnotteurope.com



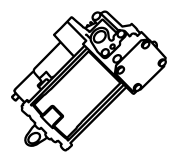
Air Springs



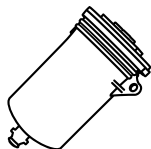
Struts



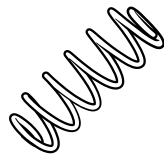
Shocks



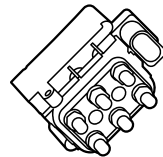
Compressors



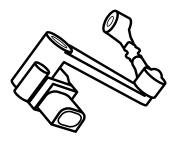
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors