



INSTALLATION MANUAL

AH-5648 Arnott New Rear Helper Springs Volkswagen Crafter (SY Chassis) & 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.

All Arnott LCV Kits are approved for road-legal use in accordance with German law. After installation is complete, an official test center must prove all requirements and installation correctly match the vehicle application and instructions. [Click here to download the TÜV certificate for this kit.](#)

With the §19/3 regulation, you will receive an approval document specific to your vehicle from the test center.

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 4–5 turns. Keep the bolt in place so the bracket maintains contact but creates 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

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



FIGURE 4

5. 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

6. 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

7. 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

8. Route the air lines from each air spring to their designated connection points on the air management system.

Arnott®

Suspension Products

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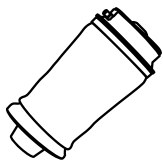
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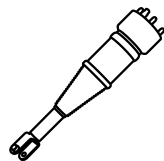
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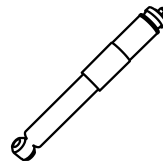
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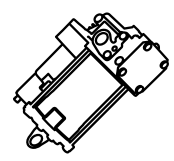
Air Springs



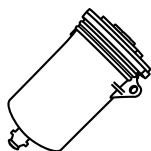
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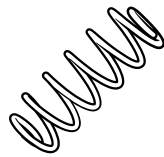
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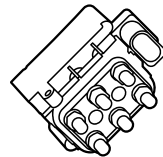
Compressors



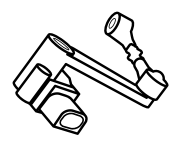
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