



INSTALLATION MANUAL

AH-4471

**Arnott New Rear Air Helper Spring
Fiat Ducato (X250/X290) 30L-45H (15"/16"),
Citroen Jumper, Peugeot Boxer**



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.

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

COMPONENTS

PART NO.	DESCRIPTION	QTY
21-20785	EUROPEAN LCV KIT	1
29-15894	FLAT WASHER M8	8
29-18164	M8 NYLON-INSERT LOCKNUT	4
29-18332	6MM TUBING	5
29-18333	6MM TUBING	5
29-18334	ELBOW FITTING 6MM TO 1/4" UNC	2
29-18336	M10 X 20 SOCKET HEAD SCREW	4
29-18337	M6 X 1 SET SCREW	4
29-18338	M8 X 1.25MM HEX HEAD SCREW	4
29-18441	LOWER BRACKET	2
29-18449	TOP BRACKET	2
29-18612	COUNTERSUNK SCREW M10 X 1.25 X 45	2
29-18647	DOUBLE CONVOLUTED AIR SPRING	2
29-7856	4" X 3/32 NYLON CABLE TIE BLACK	2

REMOVAL

1. Remove serial bump stop by releasing with a hooked tool twisting out the frame. (Figure 1)

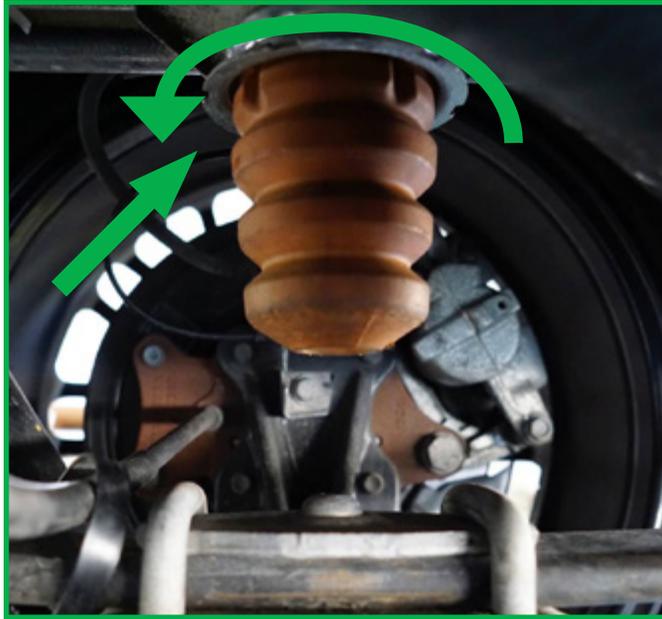


FIGURE 1

2. Remove all dirt and dust and clean the spot at the frame where the serial bump stop was located. Install the upper bracket with the cut out pointing towards the center of the rear axle. Tighten screw with TX6 nut and max. torque of 35Nm. Make sure area between the U-bolts is clean. (Figure 2)

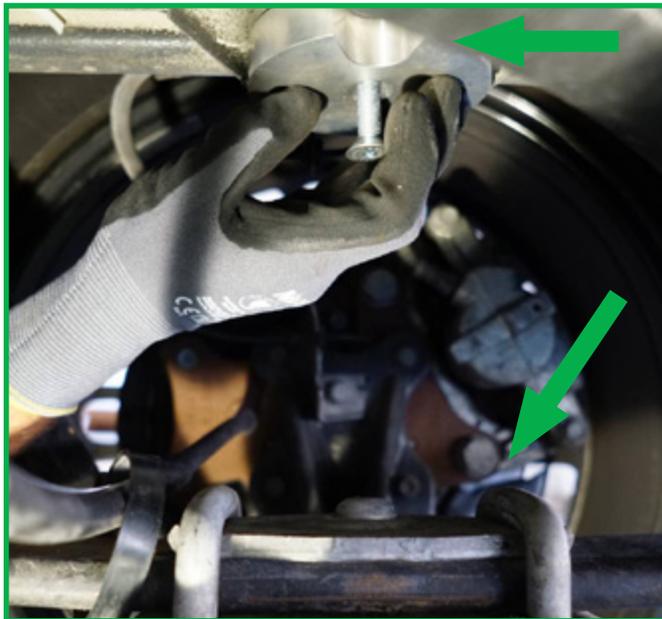


FIGURE 2

INSTALLATION

1. Place the pre-assembled air spring between the U-bolts. **Ensure the air fitting will not be damaged.** Hook in the lower bracket to the plate sitting on top of the leaf spring. Make sure lower bracket accurately fits between the U-bolts. The two bolts on the upper plate of the air spring should match the holes in the upper bracket. (Figure 3)



FIGURE 3

2. Plug in the air line into the fitting (Left Black/Right Yellow). Inflate the air spring manually with the provided inflation valve to max. 2 bar. Check the air spring is sitting correctly on the serial leaf spring and verify that the bolts on the upper side of the air spring fit the upper bracket holes. (Figure 4)



FIGURE 4

- Securely attach the lower bracket by tightening the two M8 screws/nuts with a max. torque of 35Nm. (Figure 5)



FIGURE 5

- Tighten the headless bolts in the upper bracket with a max. torque of 13Nm to attach the air spring. (Figure 6)



FIGURE 6

- Route the air line along the frame to an outside point where the inflation valves will be located.

FINAL CHECK

- The work as performed achieved the intended purpose.
- All reservoirs and containers have been filled and all fluids and lubricants are at their correct levels.
- All threaded fasteners released beforehand have been correctly re-tightened.
- The fuel system is free of leaks.
- The lights and signaling equipment are fully operational and the vehicle is roadworthy.

Arnott™

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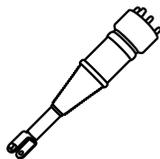
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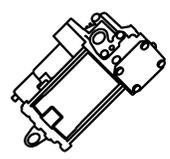
Air Springs



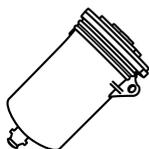
Struts



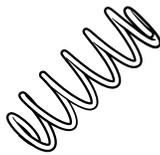
Shocks



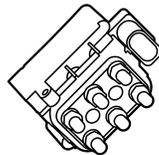
Compressors



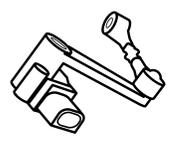
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors