



VB-FULLAIR-4C

making everyday smoother



airsuspension



Source: Chrysler

- Increased comfort • Better driveability • More safety



RAM PROMASTER

PRODUCT SHEET

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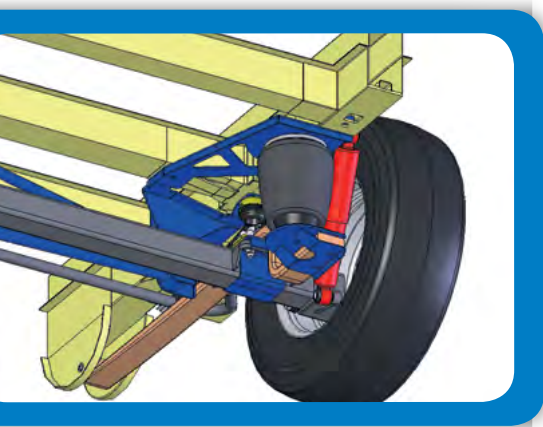
Air-suspension systems for light commercial vehicles and motorhomes have become a commonly specified option in recent form of an integrated 4-Corner air-suspension system.

The system from VB-Airsuspension(Varsseveld, The Netherlands) for the front and rear-axle is available as a retrofit solution for the new Ram Promaster.

The Ram Promaster is based on the European Fiat Ducato (model X250), VB-Airsuspension has developed and is selling the VB-FullAir-4C air-suspension system for several years in Europe. After having finished all the different tests, the VB-FullAir-4C air-suspension option will become available for the Ram Promaster.

VB-FullAir 4C system

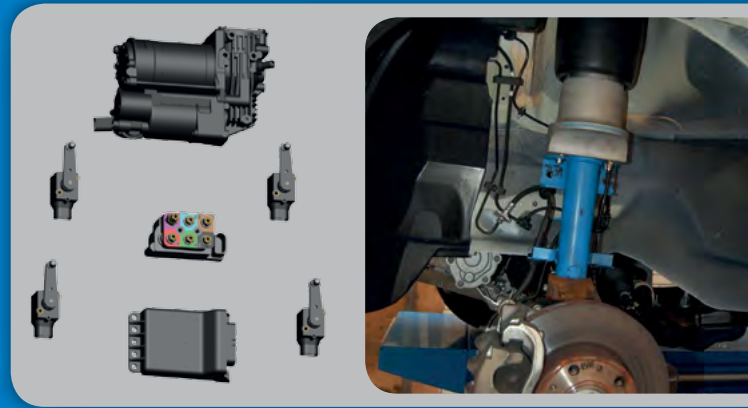
The VB-FullAir, a full-air air-suspension, has an electronic system named VB-ASCU (VB-Air Suspension Control Unit), which automatically monitors and adjusts the ride-height of the vehicle. This constant monitoring and adjusting (independent of the load, in the longitudinal and lateral direction, regardless of the centre of gravity) will automatically contribute to safer vehicle behaviour and improved comfort. The vehicle may not be overloaded.



Autolevel

In addition to the standard features of the system, the VB-FullAir 4C has another option available – „Auto Level“. This feature gives the user the possibility to level the vehicle on the spot, when parked on an uneven surface. By pushing one button the vehicle will adjust quickly and smoothly to horizon level. The maximum range of travel of the Auto Level function is 130 mm.

Dealer:



Advantages of the VB-FullAir-4C air-suspension:

- Improved suspension comfort
- Constant ride height
- Improved road handling and stability
- Increased protection of vulnerable / sensitive goods
- Less impact for passengers
- Variable adjustments in ride height (sport and off-road)
- Kneeling facility for car park entry
- Less wear of tyres / brakes
- Environmentally friendlier, less CO² emission

Software

Endurance / fatigue testing has been carried out to prove that the system can match the life-cycle of the base vehicle.

Height adjustment

The vehicle level can be changed manually with the standard remote control when the vehicle stands still; therefore lowering of the front and rear-axle is one of the systems standard possibilities.

Technical specifications:*

	Front	Rear
Standard rideheight (unloaded with original steel suspension)	435 mm	720 mm
Rideheight with VB-FullAir-4C	465 mm	675 mm
Highest position (0-5k m/h)	+ 70 mm	+ 45 mm
Lowest position (0-5 km/h)	- 95 mm	- 65 mm

The heights are measured:

Front: Height between the lower side of the chassis and the floor.

Rear; Height between the upper side of the chassis and the floor.

*Slight variations in measurements may occur due to tolerances in base vehicle.

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