

• *Air-suspension*



Renewed VB-FullAir rear-axle air-suspension

VB-Airsuspension from Varsseveld in Holland never ceases developing and improving its air-suspension systems.

For the **VB-FullAir**, a full-air rear-axle air-suspension, a new electronic system named **VB-ASCU** (VB-Air Suspension Control Unit) has been developed, which automatically monitors and adjusts the height level of the vehicle. VB-ASCU is available in different formats like: 2-corner, or 4-corner (depending on the vehicle make/model)

This constant monitoring and adjusting (independent of the load, in the longitudinal and lateral direction and relatively independent of centre gravity height) will automatically contribute to a safe vehicle behaviour and a reduced risk for the driver, his vehicle and the load.

The vehicle level can be changed manually when the vehicle stands still; therefore extreme lowering of the chassis/ load platform is one of the systems standard possibilities.

After years of research and development, in which a lot of knowledge on all kinds of electronic systems has been gathered, the VB-ASCU-2C is now ready for production. This system is completely ABS, ESP and other control systems compatible and can communicate with these systems. Therefore a fully integrated safety system for the your vehicle is ensured.

The new VB-ASCU-2C will go in production from June 2006.

As an option a **VB-SDLC** (VB-Speed Depending Level Control) can be added. This level regulator will lower the vehicle by 20 to 40mm at a specific - higher - speed, so that an even more stabile road handling is achieved.

For off-road driving a higher ride height of the vehicle is also possible, up to a specific speed. Also the lowering of the vehicle to very low levels, to enter an underground parking, is a possibility.

The "Hardware" of the **VB-FullAir** air-suspension kit consists of a special parabolic spring construction with just two, especially for the new systems designed, air-bellows, which realises a superb road-handling and comfort. Together with frame supports and a 'Panhard' rod the VB-FullAir air-suspension is in fact almost maintenance free, simple and safe.

Other than the traditional 2 or 4 air-bellow spring, or a complete hydraulic lowering system, the VB-FullAir air-suspension is unique in its design, which proves in its simplicity. The number of parts is reduced by 30% and therefore VB-Airsuspension has set new standards.

The assembly can be done in a few hours, there are no difficult or bad controllable production methods and no special tools are required. Interferences to the chassis or bodywork like cutting, welding or mending are not necessary, so the rigidity remains the same.

To ensure no unnecessary workshop visits are needed, the electronic system of the VB-FullAir air-suspension should be checked up every 100.000 km at a dealer. Most parts of the air-suspension kit are maintenance free and come with a three to five year guarantee.

VB-Airsuspension wants to indicate that a light commercial vehicle with a VB-FullAir air-suspension can simply endure the daily heavy use without problems.



The technical specifications are the standard VB-Airsuspension versions. Other specifications are on request.

VB-Airsuspension reserves the right to make changes without prior notification.

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