

## Press Information

BILSTEIN B6 Camper Advanced: Benefit from the motor home boom as a workshop

### **A camper shock absorber in a class of its own**

The motor home industry has experienced an unprecedented boom in recent years. According to the German Caravanning Industry Association (CIVD) for example, a total of 81,420 new registrations were recorded in 2021 alone, a figure that has more than doubled in the past four years. And that is just the German market without the European figures. The BILSTEIN B6 Camper Advanced high-performance shock absorbers developed specifically for this segment gives workshops the opportunity to move into this exciting market and enjoy the associated benefits – or to expand their motor home portfolio with an attractive new option. As an additional ground-breaking feature compared to the also recently released BILSTEIN B6 Camper, the Advanced includes the BILSTEIN DampMatic®. This automatically adjusts to one of two characteristic curves depending on the situation, giving customers two shock absorbers in one – all without complex and expensive electronics. This exciting shock absorber concept fits in perfectly with the new WAY AHEAD brand claim and provides genuine added value. Campers, both panel vans as well as semi-integrated vehicles, based on the Fiat Ducato (from model year 2006) and the largely identical vehicles from Citroën and Peugeot are covered. The reasons why a workshop can look forward to strong user acceptance amongst motor home fans with the BILSTEIN Camper and, in particular, with the Camper Advanced, is explained below.

#### **Specific motor home shock absorber instead of simple van suspension**

Based on the current figures from CIVD, the average price of a German motor home is 77,500 euros. Despite these steep prices, motor homes still tend to “rattle” off on their holiday adventure on simple van suspensions supplied by the platform sponsor. This leads to a lack of travelling comfort, poor stability in bends or annoying driving noises, which do not exactly make the journey all that relaxing. In defence of van suspensions, from a technical perspective, it must be said that they are simply not designed for use in a motor home because the loading situation is completely different. For example, while the additional load in a delivery van is constantly changing, the heavy fittings in motor homes mean that they are constantly loaded near the permissible weight limit.

#### **Benefits of BILSTEIN B6 Camper and Camper Advanced**

The new BILSTEIN B6 Camper high-performance shock absorbers already dramatically improve driving performance. That's because the shock-absorbing properties have been tailored to the parameters of motor homes (semi-integrated as well as panel vans) based on thousands of hours of road tests. The special set-up provides added safety in crosswinds and on bends thanks to optimum grip and a more intense driving experience thanks to high traction and precise handling. At the same time, campers can look forward to a more comfortable driving experience: thanks to the reduction of driving noise through better shock absorption as well as the increase in comfort due to the optimised rolling behaviour on cobblestones and at level crossings. The one thing that could make this even better would be a shock absorber that could change its characteristic curve depending on the situation. BILSTEIN presents the B6 Camper Advanced with amplitude-selective shock absorption based on the DampMatic® principle.

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The BILSTEIN B6 Camper Advanced has a soft characteristic setting when cruising and a tight setting during evasive manoeuvres. The shock absorber selects one of two characteristic curves completely automatically based on a mechanical process using the vibrations transmitted by the road. In the “soft setting”, the shock absorber oil flows through both the main piston and a special DampMatic® bypass. If the vibration amplitude becomes greater due to the driving situation, the control piston moves to its stop due to the sudden excitation. This closes the bypass and the complete volume flow is handled by the main piston. Since the flow is thus reduced, the shock absorber behaves “tighter”.

### **No cables, no connections, no additional installation effort**

The purely mechanical DampMatic® technology developed and patented by BILSTEIN thus ensures that the shock absorbers, which are actually passive, can adapt to changing driving conditions at lightning speed. This is otherwise only possible with complex active suspension systems with additional components, cables or control units. For workshops as well as customers, this ultimately means that the installation effort is no greater than for any other shock absorber. This saves money and makes a switch even more attractive.

All other product information can be found at [camper.bilstein.com](https://camper.bilstein.com).

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