

DRIVE THE LEGEND.



UNRIVALED.

When having your [air suspension](#) module replaced, ask for the BILSTEIN B4 air suspension module – the only fully functional module for all air suspension systems in true original manufacturer quality.



Typically BILSTEIN.

The greatest enemy of the good is the better.

Those looking for the perfect driving experience will never settle for what they have already achieved. They will never stop researching and trying to develop new, pioneering technologies. We BILSTEINERS know exactly what we are talking about in this regard. By developing the BILSTEIN gas-pressure technology in the 1950's, we made a ground-breaking innovation. The subsequent first use of the mono-tube gas-pressure shock absorber for series production by Mercedes-Benz in 1957 was a real revolution in vehicle technology. Until today, the BILSTEIN gas-pressure principle has remained a fundamental contribution to active driving safety.

Good isn't good enough.

Driver's expectations for safety and comfort have increased significantly in the past decades. In 1997, it was time to take a big step towards the perfect driving experience with a new technological advance. In close cooperation with Mercedes-Benz, we developed the active air suspension module for maximum driving comfort and optimum driving safety. The revolutionary design provides damping, suspension and level control in one single part.

The BILSTEIN air suspension principle.

By varying the air pressure, air springs provide the possibility of different ride height level settings.

- More favourable level adjustment for all loading conditions
- Different aerodynamic or offroad positions available
- Very quick adjustment to road and vehicle conditions
- Excellent comfort and perfect driving characteristics as well as maximum security thanks to high power reserves

Stick with the Original: The BILSTEIN B4 air suspension module.

**BILSTEIN B4 air suspension modules
are made of 100% new parts!**

**0% old parts.
0% risk for you!**

- New air spring
- New high-performance BILSTEIN gas-pressure shock absorber
- New and fully functional electromagnetic control valve
- High-quality individual components compliant with current quality and environmental standards

100% safety.

Only the BILSTEIN B4 air suspension module can provide you with optimum safety combined with the long service life of a factory-fitted new part! The BILSTEIN B4 air suspension module means optimum road handling, reliable braking and steering safety as well as maximum cornering stability.

100% functionality.

Only with a BILSTEIN B4 air suspension module is the same driving experience as on day one, including all functionalities, maintained! Make sure that, even after a replacement, you benefit from the full range of functions you opted for when you bought your vehicle!

100% comfort.

Our competitors' products are often only passive. They do not offer functioning control and thus only one single suspension setting. Usually, the hard characteristic curve is selected. With this kind of product, you immediately lose all comfort alternatives.

100% original quality and technology leadership.

For you, the BILSTEIN B4 air suspension module means fully functional replacement in uncompromising original manufacturer quality – from the pioneer of air suspension, tested in the most demanding conditions in the BILSTEIN road test.

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High-quality air suspension modules in uncompromising original manufacturer quality have only been available for a few years. Unfortunately this is why in the meantime, spare parts of significantly poorer quality and often with considerably restricted functions have spread on the market.

On the following pages, we will show you how and where air suspension modules are subjected to wear. Learn how the quality of a BILSTEIN B4 air suspension module differs from other products available on the independent repair shop market.

Only the BILSTEIN B4 air suspension module is the perfect replacement solution for your vehicle – of course in true original manufacturer quality.



Figure: BILSTEIN B4 air suspension module for Mercedes-Benz S-Class W220.

Superficially perfect.

A remanufactured part – appearances are deceiving!



Keep away from remanufactured parts!

In remanufactured air suspension modules, only the air spring is replaced – the old shock absorber including electromagnetic control valve are retained 1:1.

Seemingly cheaper may cost you dearly!

The mileage of the shock absorber cannot be determined. In case of an exchange, this may lead to significantly poorer driving characteristics and may be a risk for you in case of damage!



Gas-pressure shock absorber:

CAUTION! In remanufactured products, only the air spring is replaced. The gas-pressure shock absorber is not reworked. It is an old part that is simply reused – often with high mileage!



Electromagnetic control valve:

CAUTION! The electromagnetic control valve is not reworked. It is an old part that is simply reused – often with high mileage!

All or nothing.

A competitor's product – the functionality is missing!



Maintain the functionality you opted for when you selected and paid for the vehicle!

With competitor products, the electromagnetic control valve often does not provide functionality. This means: Even if you had several characteristic curves or maps to choose from when you first bought the vehicle, you now only have one characteristic curve left. By installing a seemingly cheaper spare part, you take all alternative functions of your suspension away and risk reducing the driving safety!

Gas-pressure shock absorber:

CAUTION! The gas-pressure shock absorber does not correspond to the original. A passive twin-tube gas-pressure shock absorber without electronic control valve is used instead of the originally installed high-performance BILSTEIN mono-tube gas-pressure shock absorber with electronic damping power adjustment.

Electromagnetic control valve:

CAUTION! There is no electromagnetic control valve! The installed electromagnets only simulate a functionality for the on-board electronics which no longer exists: the active air suspension module is replaced by a passive one! This not only reduces comfort, it is also a safety risk!



Figure: New competitor product for Mercedes-Benz S-Class W220.