

E4-WM5-Y401A00

MOUNTING INSTRUCTION



IMPORTANT! READ THIS FIRST!

Installation of shock absorbers or other suspension components requires special tools and expert knowledge. Accordingly, installation of all BILSTEIN products must be performed by a professional automotive suspension technician.

When replacing other brands, BILSTEIN shock absorbers or other suspension components should always be installed as a set. All BILSTEIN products must only be used for the specific, intended application as indicated in the application guide. **Any use of any BILSTEIN product other than for its intended use may result in serious bodily injury or death.**

Always use a chassis hoist for the installation of BILSTEIN products and make certain that the raised vehicle is securely attached to the hoist and/or supported to prevent the vehicle from slipping, falling, or moving during the installation process.

If you install any BILSTEIN product without the necessary special tools, expertise, and chassis hoist, you may subject yourself to the risk of serious bodily injury or death.

BILSTEIN shock absorbers are gas-filled and are highly pressurized.

- Never place any BILSTEIN shock absorbers in a vise or use a clamp on any BILSTEIN shock absorber.
- Never apply heat near any BILSTEIN shock absorber.
- Never attempt to open or repair any BILSTEIN product, in order to prevent **serious bodily injury or death.**

Any attempt to misuse, misapply, modify, or tamper with any BILSTEIN suspension product voids any warranty and **may result in serious bodily injury or death.**

While installing any BILSTEIN product:

- Do not use impact tools for loosening or tightening fasteners, because this may destroy the screw threads.
- Self-locking fasteners must only be used **once!**
- Reuse original equipment components only if they are in good condition, otherwise replace them with new components.
- Never remove the slight film of oil on the shock absorber piston rod and seal.
- All mounting fasteners for shock absorbers and other suspension components must be securely tightened before tension is placed on the suspension system, unless otherwise specified in the manufacturer's service manual or in this instruction.

After installing any BILSTEIN product:

- The suspension caster and camber must be checked and/or adjusted to comply with the vehicle manufacturer's specifications.
- The (load dependent) brake compensator and the anti-lock brake system must be checked and/or reset to comply with the vehicle manufacturer's specifications.
- The headlight aim must be checked and adjusted.

CAUTION for COILOVER TYPE SUSPENSIONS!!!

If disassembling a coilover type suspension, refer to the vehicle manufacturer's service manual for proper procedures. The coil spring is preloaded and must be compressed with a spring compressor to release load before the upper mount is disassembled. Failure to follow the vehicle manufacturer's procedures may cause serious injury or death, and may damage the vehicle.

IMPORTANT!!!

This BILSTEIN product may or may not be compatible with non-BILSTEIN aftermarket products and/or vehicle modifications. It is the responsibility of the professional automotive suspension technician performing the installation to identify any non-OEM components and/or modifications on the vehicle that may interact with the suspension system. These must be evaluated for any potential physical static or dynamic interference with and/or effect on the function of this BILSTEIN product.

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Bilstein 5165 Series shocks are designed for custom applications. This product is not intended for use on any OEM applications, and may not directly fit in standard mounting locations. **The user is responsible for determining the suitability of this product for their application(s).**

DO NOT ATTEMPT TO REPAIR OR REBUILD ANY SHOCK UNLESS YOU ARE QUALIFIED TO DO SO.

Incorrect installation can lead to the failure of this product. Below are a few tips:

- This shock **cannot** be used as a compression limiter for the upward travel of the suspension. **Failure of the shock and/or mounts will result.**
- The shock may be used as a droop limiter on low-speed applications such as trail riding. However, a limit strap is strongly recommended on any application where suspension oscillations to “full droop” are a common occurrence.
- When piggyback reservoir mounting is used, ensure that all clamps are tight and the mounting location provides adequate clearance to the chassis and any objects which can rub the reservoir, shock bodies or hoses.
- When remote reservoir mounting is used, ensure that the hose routing is away from coil springs and suspension components which can pinch the line. While the hose ends are made to swivel, they are not designed to cycle significantly with the suspension travel. Make sure the mounting location of the reservoir does not require the hose to swivel significantly during normal use.
- Before operating the vehicle, it is very important to cycle the suspension to full compression and full extension, while carefully checking clearance between all parts of the shock (shock body, hose, reservoir) and the chassis. Ensure no binding of the shock mounts occur at any point in the travel.



LIMITED 90 DAY WARRANTY

Bilstein warrants to the original retail purchaser that, for a period of ninety (90) days from the date of purchase, this product shall be free from defects in material and workmanship. Any implied warranty of merchantability, fitness or fitness for particular purpose, except as may be prohibited by applicable law, is likewise limited in duration to ninety (90) days from the date of original retail purchase. Some States do not allow limitations on how long an implied warranty lasts so the above limitation may not apply to you.

This warranty is non-transferable and does not cover normal wear and tear or any other loss, liability or damage resulting from improper alteration, disassembly, handling, installation, service, repair or use of this product. Should this product fail as a result of a defect in materials or workmanship within the warranty period, contact THYSSENKRUPP BILSTEIN OF AMERICA's Toll Free number: 1-800-537-1085, or by visiting our website: bilsteinus.com, for repair or replacement at Manufacturer's option. DO NOT RETURN THIS PRODUCT TO THE PLACE OF PURCHASE.

Repair or replacement as provided by this warranty is customer's sole and exclusive remedy in the event of a product failure. Manufacturer shall not be liable for any incidental, consequential or other damages resulting from the disassembly, handling, installation, service, repair or use of this product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.