

E4-WM5-Y662A00

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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Installation Procedure:

- A. Remove the existing rear shocks from the vehicle following all procedures in the vehicle manufacturer's service manual.
- B. An optional spring seat spacer is included that will yield a 1" (25mm) lift. The spring seat spacer is depicted in Figure 2. If stock ride height would like to be retained, skip to step H. If a 1" (25mm) lift is what is desired, continue on to step C.
- C. Note the orientation of the coil spring and the upper spring seat clocking relative to the vehicle. It is recommended to mark the coil spring, top spring seat, and mounting post as shown in **Figure 1** to indicate the clocking (important for reassembly). Then, remove the coil spring following all procedures in the vehicle manufacturer's service manual.

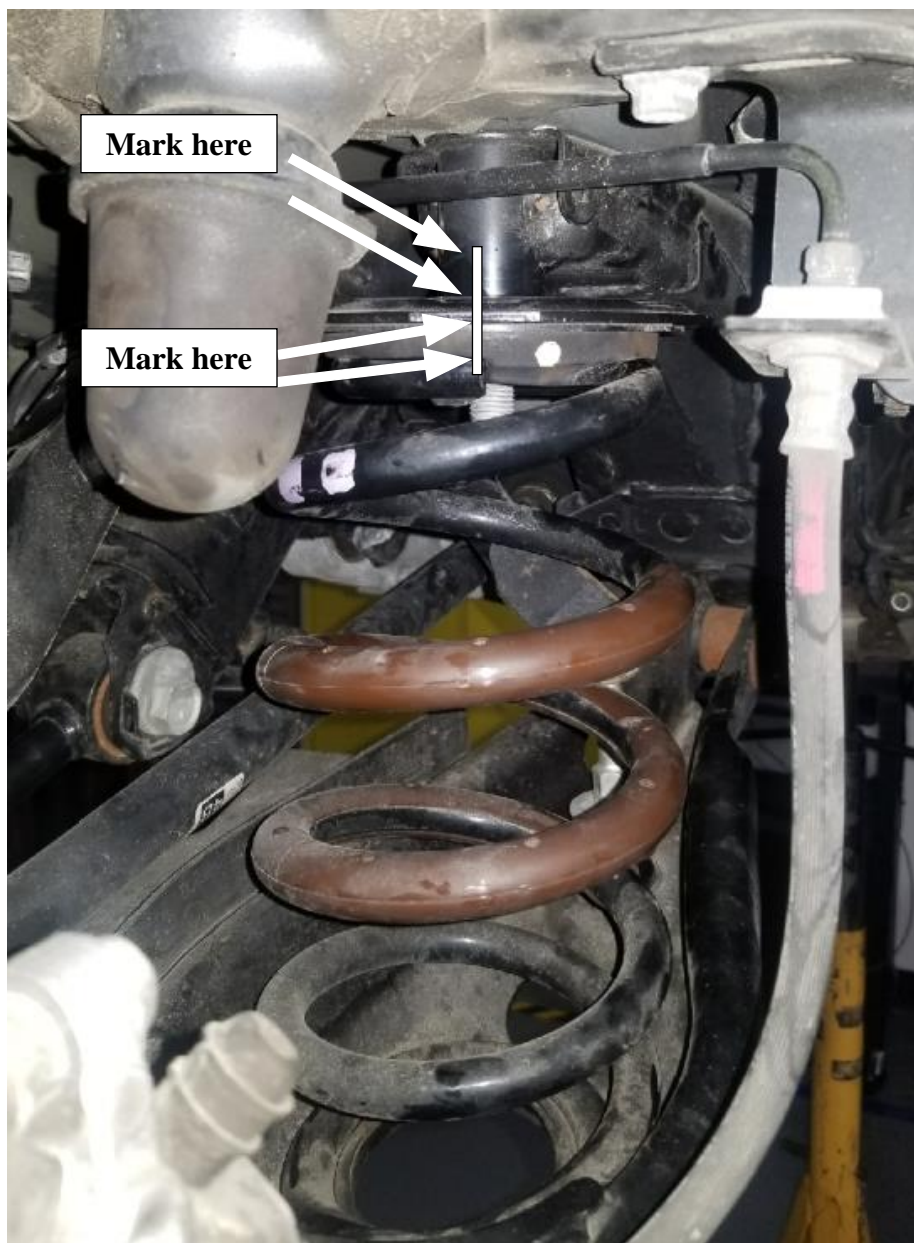


Figure 1

Item	Description	Qty.
1	Spring Seat Spacer	1

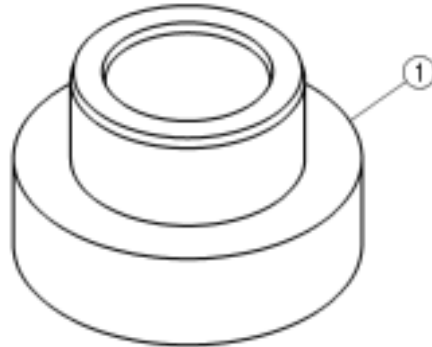


Figure 2

D. Remove the spring seat by unbolting it from the vehicle as shown in **Figure 3**.



Figure 3

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- E. Place the spring seat spacer with the larger diameter into the spring seat as shown in **Figures 4 and 5**.



Figure 4



Figure 5

- F. Install the spring seat back onto the vehicle with the factory nut as shown in **Figures 6 and 7**. Torque down to manufacturer's specifications. Repeat steps C-F for the other side.



Figure 6



Figure 7

- G. Install the factory springs back onto the vehicle. Clock the spring and spring seat back to original location as shown in step C (**Figure 1**).
- H. Install the Bilstein shocks onto the vehicle and tighten all fasteners to vehicle manufacturer's specifications.
- I. If a chassis hoist has been used, be sure to lower the vehicle such that its full weight is on the suspension prior to fully tightening the fasteners.
- J. Check wheel alignment and if necessary, adjust to the vehicle manufacturer's specification. This completes the installation.