E4-WM5-Y449A00
MOUNTING INSTRUCTION

IMPORTANT! READ THIS FIRST!

Installation of shock absorbers requires special tools and expert knowledge. Accordingly, installation of all BILSTEIN products must be performed by a qualified suspension specialist.

When replacing other brands, BILSTEIN shock absorbers 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 choose to install any BILSTEIN product without the necessary special tools, expertise or chassis hoist, you may subject yourself to the risk of serious bodily injury or death. If you elect not to use a chassis hoist, at least make sure the vehicle is on level ground, that all tires on the ground during installation are blocked to prevent movement, that at least two tires are on the ground at all times, and that adequately secured safety stands (jack stands) are used to support the chassis. **NEVER** get under the vehicle until you have checked to make sure all of these steps are performed.

BILSTEIN suspension products are gas-filled and are highly pressurized.

- Never place any BILSTEIN product in a vise or use a clamp on any BILSTEIN product.
- Never apply heat near any BILSTEIN product.
- 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 piston rod and seal.
- All mounting fasteners for shocks and struts must be securely tightened before the vehicle is operated.

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.

Be sure to properly dispose of all old parts.

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BILSTEIN B6 4600 / B8 5100 Shock Absorbers are designed to fit your vehicle's original shock mounts with no modifications. The B6 4600 / B8 5100 shocks are installed in the same manner as a standard replacement shock.

Shock Installation Procedure:

A. Remove the existing shocks from the vehicle following all procedures in the vehicle manufacturer's service manual. Please note that removing inner fender wells may simplify installation.

B. Slide Bilstein boot with boot adapter over stem until it's seated securely (B6 4600).

C. Using the supplied stem mounting hardware, install the lower washer, sleeve, and bushing on the shock stem. Then insert the stem into the original location in the shock tower. Carefully compress the shock by hand and install the lower mount of the Bilstein Shock Absorber in the original location. Please refer to Figure 1 for the proper order of installation of the stem hardware.

D. If a chassis hoist has been used, be sure to lower the vehicle such that its full weight is on the suspension prior to installing the upper bushing, washer, and nut and fully tightening the fasteners.

E. Tighten the lower mount fasteners to the vehicle manufacturer's service manual torque specification. Tighten the locknut on the stem and torque to 45 Nm (34 ft lb).

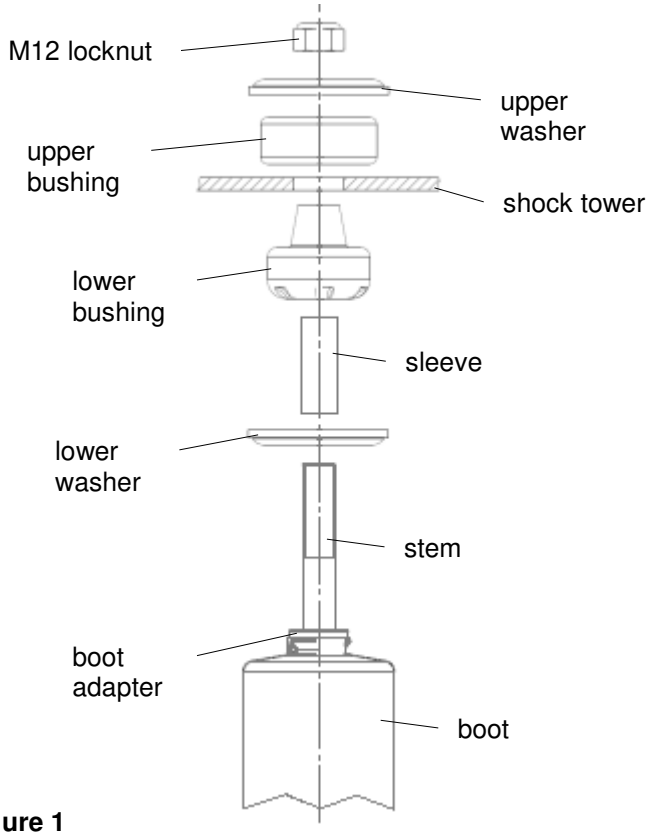

Figure 1