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By installing our product, you agree to the above terms.

Ram 2500 Coil Spring Installation Instructions

Note: Please use factory torque specifications for the installation of all components listed below. It is your responsibility to ensure that the fasteners are torqued correctly. If you've ordered a programming tool with your kit, **you may proceed with the programming instructions now.**

Open the hood and locate the fuse box in front of the battery. Remove fuses F05 (40 Amp, Air Compressor) and F50 (20A, Air Suspension Control Module). This will prevent the air compressor from running.



Suspend the rear half of the truck on the frame, allowing the suspension to hang freely with the wheels removed. Keep a jack underneath the center section of the axle so you have the ability to lift or lower the axle as necessary. You may now remove the shock absorbers from both sides. The bottom bolt is easily removed, however the upper mounting stem is tucked behind the fender liner. Inspect the upper mount, you may be able to remove the mounting nut without removing the rear fender liner. If necessary, remove the rear mud flaps as well as the rear fender liners to gain better access to the upper shock mount. This can be done by removing the small bolts along the underside of the fender flare and working the liner out. You may also remove the ride height sensors by unbolting the mounting brackets from each side. This is required in order to avoid damaging the linkage when the axle is lowered. It can help significantly to remove the sway bar end links, these will allow you to lower the differential further.

Remove the two mounting nuts on the bottom side of each airbag. In order to bleed the air from the airbags, locate the compressor under the drivers side frame rail and remove the air lines labelled LR and RR.



Crack loose the air lines on both airbags and allow the air to bleed off. You may have to wedge a pry bar in between the top of the bag and the frame in order to work the bag loose. Remove the airbags from both sides, if you need to drop the axle further you may do so by removing the rear sway bar and lowering the jack. Pay close attention to the brake and ABS lines located in the center of the axle, remove the mounting bracket in order to not stretch these lines if necessary.

Remove the lower spacers from the differential, these will no longer be used since the replacement spring is already the correct lifted height.

Once the airbags and spacers are removed, you may install the coil springs. The large diameter rubber isolator goes on the top and the small diameter isolator goes on the bottom. You may test fit the isolators to the springs before install, make sure that you understand how the spring sits in the isolators before install.

Once the springs are in place, slowly raise the axle while continually checking to ensure that the isolators are properly centered on the mounting humps and that the spring is properly engaged onto the isolators. Once this is achieved, you may install the shock absorbers.

If you removed the sway bar and/or the bracket for the ABS/brake lines in the middle of the axle, you may reinstall these now.

You may cap off or cover the air lines with electrical tape if you feel this is necessary although it is not required. The ride height sensors can be bolted back into place, or you may remove them if you wish as they are no longer active. Reinstall the wheels and lower the truck onto it's own weight. Torque the rear wheels to manufacturer specifications. You may notice that the rear of the truck is now taller than before, this is intentional as the additional height will assist with towing and hauling.

Enjoy your new problem free suspension!

E4-WM5-Y449A00

MOUNTING INSTRUCTION



BILSTEIN 4600/5100 Series Shock Absorbers are designed to fit your vehicle's original shock mounts with no modifications. The 4600/5100 Series 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 will simplify installation.
- B. Slide Bilstein boot with boot adapter over stem until it's seated securely (4600 series).
- C. Using the supplied stem mounting hardware, install the lower washer, sleeve, and bushing on the shock stem. Then install the Bilstein Shock Absorber in the original location and attach the lower mount. Please refer to Figure 1 for the proper order of installation of the stem hardware.
- D. Install the upper bushing, washer, and nut. 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.
- E. Tighten the lower mount fasteners to the vehicle manufacturer's service manual torque specification. Tighten the locknut on the stem until it bottoms out.

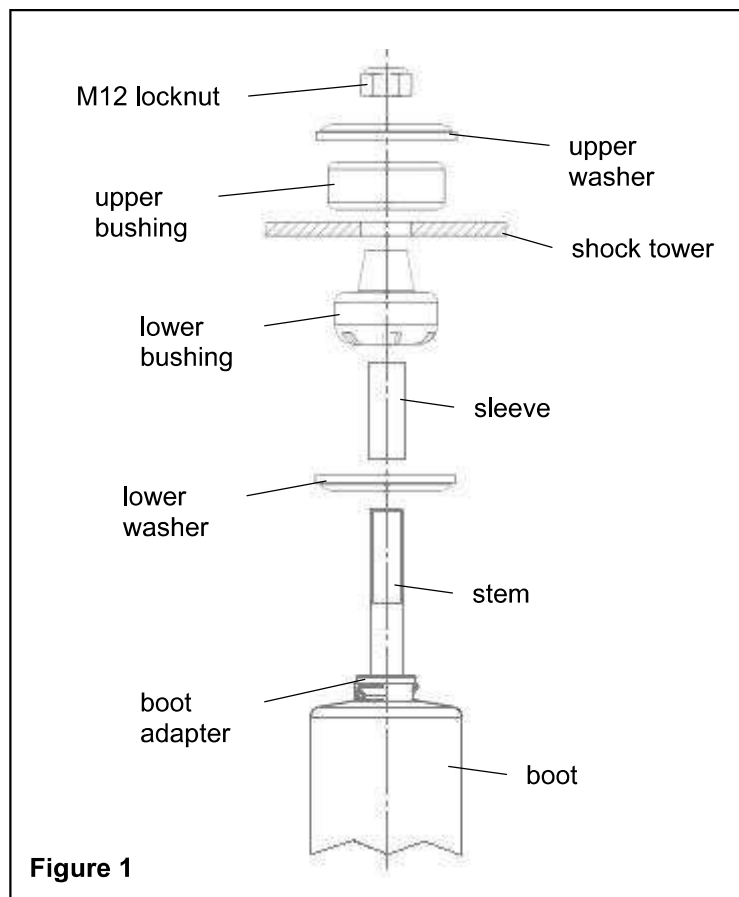


Figure 1