

Parts:

2 - Torsion Bar Keys

2 - Shock Mount Brackets

2001-2006 GM 1500HD 2WD/4WD 2001-2010 GM 2500HD 2WD/4WD 1.5-2" Leveling Torsion Bar Keys

PRE-INSTALLATION

Professional installation by a certified technician is strongly recommended.

Not responsible for altered products. No claims are made regarding any lifting devices. Any and all claims implied in this document excluded.

NOTES:

Consider increasing tire track width to counter the roll-over risk of increasing vehicle height. The following instructions assume the use of factory 8" wheels with size 285/75/16 tires. Consult a tire/wheel professional before using other wheel and tire combinations.

REQUIRED TOOLS:

Torsion Bar Tool Jack/Jack Stands 15mm Socket 18mm Socket 21mm Socket
Installation Time: 2 Hours

INSTALLATION INSTRUCTIONS

STEP 1: With vehicle in neutral, jack up front so that wheels are just off the ground. Support vehicle with jack stands placed under frame rails behind lower control arms. Torsion bar adjusters are located under cab at rear of torsion bar. Install driver side, then passenger side.

STEP 2: Measure and note amount of thread left on torsion bar adjuster bolt. Bar will be reset at same location after installation of new keys.

STEP 3: CAUTION Torsion bars store a large amount of energy. Always be cautious while loading and unloading torsion bars. Keep hands and body clear of adjuster arm and tools at all times. Using a torsion bar tool to load the bar, remove the factory adjuster bolt and block.

STEP 4: Slide torsion bar forward to allow stock torsion key to fall out.

STEP 5: Install new torsion bar key in stock position.

STEP 6: Re-install threaded block and adjuster bolt using torsion bar tool.

STEP 7: Repeat steps on passenger side. Set torsion bar adjuster bolts at the same amount (measured in Step 2) for each side.

STEP 8: Remove front shock from factory lower mount bracket. (21mm Wrench and Socket)

STEP 9: Remove factory mount bracket and replace with new one - secure with factory hardware. (15mm Wrench)

STEP 10: Reinstall shock absorber in new front mount bracket with factory hardware. (21mm Wrench and Socket)

STEP 11: Repeat on opposite side of vehicle.

STEP 12: Jack up front of vehicle and remove jack stands. Lower vehicle to ground and allow torsion bars to support weight of vehicle.

STEP 13: Follow post-installation steps for fine-tuning.

POST-INSTALLATION

STEP 1: Check truck for level. Make adjustments one side at a time. Jack up side of vehicle you are adjusting until wheel is just off the ground.

STEP 2: Adjust torsion bar adjuster bolt one or two turns at a time, then lower vehicle to the ground and recheck for level. This may take several attempts. Repeat process for other side of vehicle

STEP 3: Readjust headlights to proper alignment.

MAINTENANCE: Always check front-end alignment after installation. Make note of ride height and so that if settling occurs, the torsion bars can be adjusted-up and original ride height restored.