

# 2011-15 1.5-2" Leveling Torsion Bar Keys Chevy/GMC 2500/3500 HD 4WD

## Parts:

2 - Torsion Bar Keys

4 - Shock Spacer Sleeves

## 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 285/75/17 tires. Consult a tire/wheel professional before using other wheel and tire combinations.

### REQUIRED TOOLS:

Torsion Bar Tool

Jack

Jack Stands

21mm Wrench

21mm Socket

Installation Time: 2 Hours

## INSTALLATION INSTRUCTIONS

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

**STEP 2:** Remove shock from upper mount. (21mm wrench - save factory hardware)

**STEP 3:** Install new spacer sleeve on each factory bolt.

**STEP 4:** Re-install shock with sleeves in upper mount and secure with factory hardware. (21mm wrench)

**STEP 5:** Measure and note amount of thread left on torsion bar adjuster bolt. Bar will be reset at same location after installation of new adjusters.

**STEP 6: 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. Because of dangerous loads generated by torsion bars, a standard tow-jaw puller may fail - for best results, use a torsion bar tool.

**STEP 7:** Remove stock torsion bar adjuster bolt - driver side. (21mm socket)

**STEP 8:** Load torsion bar with torsion bar tool. Remove stock threaded block.

**STEP 9:** Slide torsion bar forward to allow stock torsion key to fall out.

**STEP 10:** Install new torsion bar key in stock position.

**STEP 11:** Re-install threaded block and adjuster bolt using torsion bar tool.

**STEP 12:** Repeat steps on passenger side. Set torsion bar adjuster bolts at the same amount (measured in Step 5) for each side.

**STEP 13:** Jack up front of vehicle and remove jack stands. Lower vehicle to ground and allow torsion bars to support weight of vehicle.

**STEP 14:** 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 the torsion bar adjuster bolt 1-2 turns at 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.