



105AOR

## 2007-Current 2" GM/Chevy 1500 2WD/4WD Leveling Kit (Silverado, Avalanche, Sierra)

### Parts:

2 - Front Strut Extensions    8 - SAE Flat Washers  
4 - 10x1.5x90mm Bolts        4 - 10mm Nuts

## 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:

This kit is designed to fit 2007 & up GM vehicles with fabricated, aluminum, and cast steel lower control arms. The following instructions assume the use of factory wheels with size 285/70/17 tires. The use of wider tires will require trimming and offset wheels.

### REQUIRED TOOLS:

21mm Wrench	18mm Wrench	17mm Wrench	15mm Wrench
15mm Socket	7/32 Allen Wrench	Flat Screwdriver	Hammer

## INSTALLATION INSTRUCTIONS

- STEP 1:** Jack up front of vehicle so that front wheels are off the ground. Support vehicle with jack stands.
- STEP 2:** Remove front wheels. (21mm deep well socket)
- STEP 3:** Loosen upper strut bolts, but leave nuts in place. (18mm wrench)
- STEP 4:** Support knuckle with jack stand and remove upper ball joint nut. (18mm wrench) Hit the knuckle with hammer on the side to separate the ball joint from the knuckle, but don't let the knuckle to pull out so far that the shaft pulls out of the differential.
- STEP 5:** Remove nut from the steering linkage. (21mm wrench) Hit the side of the knuckle with hammer where the steering linkage is connected and remove from knuckle. Push the linkage forward until out of the way. (Save factory hardware)
- STEP 6:** Remove sway bar nut and bushings. (15mm wrench and 15mm socket - Save factory hardware)
- STEP 7:** Remove bolts from bottom strut mount. (15mm wrench)
- STEP 8:** Remove bolt clips from bottom of strut. (Flat Screwdriver)
- STEP 9:** Insert strut extension under the lower strut mount, lining up the holes.
- STEP 10:** For steel or aluminum control arms, install new 90 mm bolts from the top down with provided washers and nuts. Move knuckle to the side if you need room to install bolt closest to axle shaft. Tighten to 30-35 ft/lbs. - **Do not over-tighten!** (Bolt:17mm wrench, Nut:16mm wrench)
- STEP 11:** Tighten upper strut nuts and torque to factory specs. (18mm wrench)
- STEP 12:** Raise lower control arm, connect upper ball joint on upper control arm to spindle and torque to factory specs. (18mm wrench) Use 7/32 allen wrench to keep ball joint from turning while tightening,
- STEP 13:** Reinstall steering linkage nut. (21mm wrench) Use 10mm wrench to hold bottom of tie rod to keep ball joint from turning.
- STEP 14:** Repeat steps 3-13 on opposite side of vehicle
- STEP 15:** Reinstall sway bar bushings and nut. (15mm wrench and factory hardware) Torque to factory specs.
- STEP 16:** Rinstall front wheels. (21mm deep well socket)
- STEP 17:** Jack up vehicle and remove jack stands. Lower vehicle to floor. Torque all bolts to factory specs.
- STEP 18:** Have alignment done to factory specifications by a certified alignment professional.

## POST-INSTALLATION

- STEP 1:** Check for proper torque on all fasteners. Check steering for proper working order and check for interference. Test brake system. Check clearance between all rotating, mobile, fixed and hot parts.
- STEP 2:** Check distance between tire sidewall and the brake hose during full-turn to full-turn steering sweep. Do not skip this step! Any contact may result in component failure.
- STEP 3:** Readjust headlights to proper alignment.

**MAINTENANCE:** After 500 miles, re-torque all fasteners. (Recommended every 1000 miles thereafter) Have all suspension, driveline and steering components inspected buy a certified technician durning routine maintenance (Recommended every 3000 miles)