

## 2009-13 Dodge Ram 1500 4WD 2.5" Leveling Lift Kit

### Parts:

2 - Front Strut Extensions	2 - Rear Coil Spacers
6 - 10mm Studs	2 - 3/8" x 2 1/2" Bolts
6 - 10mm Nuts	2 - 3/8" Nylock Nuts
6 - 10mm Lock Washers	4 - 3/8" Flat Washers

## 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:

The following instructions assume the use of factory wheels with size 33x12.50x17 tires.

### REQUIRED TOOLS:

14mm Socket/Wrench	15mm Socket/Wrench	17mm Socket/Wrench
18mm Socket/Wrench	21mm Socket/Wrench	22mm Socket/Wrench
24mm Socket/Wrench	8mm Wrench	Hammer

### Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20 ft/lbs	10MM	32ft/lbs	45ft/lbs
3/8"	30 ft/lbs	35 ft/lbs	18MM	170ft/lbs	240ft/lbs
7/16"	45 ft/lbs	60 ft/lbs			
9/16"	95 ft/lbs	130 ft/lbs			

## INSTALLATION INSTRUCTIONS Front

**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. (22mm deep well socket)

**STEP 3:** 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 4:** Remove sway bar nut and bushings. (15mm Wrench) Allow sway bar to drop. (Save factory hardware)

**STEP 5:** Remove strut nuts on upper strut tower. (15mm Wrench)

**STEP 6:** Support knuckle with jack stand and remove upper ball joint nut. (21mm 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 7:** Remove strut bolt from lower control arm. Remove strut assembly from vehicle. Make note of direction of lower bolt and save for reinstallation. (24mm Socket and 21mm Wrench)

**STEP 8:** Install included 10mm studs in threaded holes in new spacer, tighten until snug. (17mm Socket)

**STEP 9:** Place strut extension on strut and tighten with factory hardware.

**STEP 10:** Install strut assembly into strut tower. Secure with included 10mm nuts and lock washers.

**STEP 11:** Install lower strut bolt in original direction. (Torque to factory specs)

**STEP 12:** Raise lower control arm with jack. Connect upper ball joint on upper control arm to spindle and torque to factory specs.

**STEP 13:** Reinstall steering linkage nut. (21mm wrench)

**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:** Reinstall 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.

# INSTALLATION INSTRUCTIONS *Rear*

- STEP 1:** Jack up rear of vehicle. Place jack stands under frame rails.
- STEP 2:** Support rear axle with floor jack.
- STEP 3:** Remove rear wheels.
- STEP 4:** Remove stock shocks from lower shock mount. (21mm Wrench - Save factory hardware)
- STEP 5:** Remove sway bar link from sway bar. (18mm and 8mm Wrench)
- STEP 6:** Lower axle with floor jack and remove coil springs.
- STEP 7:** Install flat upper spacer retainer on top of upper coil seat.
- STEP 8:** Install spring spacer and secure to upper flat retainer using included 3/8" x 2 1/2" bolt, washer and nut. (14mm Socket and Wrench)
- STEP 9:** Reinstall coil spring.
- STEP 10:** Lift axle with floor jack and reinstall stock shocks with factory hardware. (21mm Wrench)
- STEP 11:** Reinstall sway bar link on sway bar. (18mm and 8mm Wrench)
- STEP 12:** Reinstall rear wheels. Remove jack stands.
- STEP 13:** Lower vehicle to ground.

## 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 by a certified technician during routine maintenance (Recommended every 3000 miles)