



310AOR

## 2012-19 Dodge Ram 1500 4WD 2.5" Leveling Lift Kit

### Parts:

- 2 - Front Strut Preload Spacers
- 2 - Front Strut Shims

## 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

**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:** Place a strut compressor on coil spring and compress coil so strut top nut can be removed. Remove strut top and add included preload spacer to top of coil assembly fitting between strut top and factory coil isolator.

**STEP 9:** With coil spring still compressed, assemble strut and tighten top strut nut. Place strut shim on top of strut over three studs.

**STEP 10:** Install strut assembly into strut tower. Secure with factory hardware.

**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.

## 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)