



500AOR

## Parts:

- 2 - Front Coil Spring Spacers    2 - Rear Coil Spring Spacers
- 2 - Front Shock Extensions    2 - Rear Shock Extensions
- 2 - Front Brake Line Brackets    2 - Rear Brake Line Brackets
- 2 - Rear Spacer Retainers    1 - Hardware Bag

## Wrangler / Wrangler Unlimited JK 2.5" Suspension Lift Kit

# 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 285/75R17 tires. The use of wider tires will require trimming and offset wheels. Automatic equipped vehicles may require the installation of an aftermarket, smaller diameter front drive shaft if there is inadequate clearance with the automatic transmission pan after installing this kit.

### REQUIRED TOOLS:

- 10mm Wrench
- 14mm Socket
- 16mm Wrench
- 16mm Socket
- 18mm Wrench
- 18mm Socket
- 1/2" Wrench
- 1/2" Socket
- 19mm Deep-Well Socket
- Jack & Jack Stands

### Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20 ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35 ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60 ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90 ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130 ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135 ft/lbs	175 ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185 ft/lbs	280 ft/lbs	18MM	170ft/lbs	240ft/lbs

# INSTALLATION INSTRUCTIONS Front

- STEP 1:** Chock rear wheels. Jack up front of vehicle so that front wheels are off the ground. Support vehicle with jack stands.
- STEP 2:** Remove front wheels. (19mm deep well socket)
- STEP 3:** Remove bottom sway bar bolts. (18mm socket & 18mm wrench - Save factory hardware)
- STEP 4:** Remove lower shock bolt. (18mm socket & 18mm wrench - Save factory hardware)
- STEP 5:** Remove brake line bracket from factory location. (10mm socket)
- STEP 6:** Move axle down out of the way. Remove coil spring and spring isolator.
- STEP 7:** Install new spacer over factory bump stop with factory isolator attached to spacer.
- STEP 8:** Reinstall factory coil spring, rotating until pigtail hits stop.
- STEP 9:** Install brake line extension bracket. Secure to frame with factory hardware. Install factory brake line bracket on extension with included 1/4" x 1" bolt, washers and nut.
- STEP 10:** Install shock brackets on lower mounts, making sure it is positioned properly so the hole on the underside lines up with the one in the mount. Secure through factory mount holes with included 12mm x 65mm bolts, 12mm sleeves, washers and nuts. (18mm wrench & socket) Secure through hole on underside with 5/16" x 3/4" bolts, washers and nuts. (1/2" wrench & socket)
- STEP 11:** Attach factory shock to lower shock mount bracket with factory bolt and nut. (18mm socket & wrench)
- STEP 12:** Reinstall front wheels. (19mm deep well socket)
- STEP 13:** Jack up vehicle and remove jack stands. Lower vehicle to floor.
- STEP 14:** Install sway bar link on sway bar using factory hardware only after vehicle is on the ground. (18mm wrench) **Do not install sway bar link on sway bar until vehicle is on the ground.**
- STEP 15:** **BEFORE** vehicle is driven, draglink must be adjusted to center on steering wheel. Failure to do so will result in computer error in traction control system and cause poor handling performance.

# INSTALLATION INSTRUCTIONS *Rear*

- STEP 1:** Chock front wheels and jack up rear of vehicle. Place jack stands under frame rails.
- STEP 2:** Remove rear wheels. (19mm deep-well socket)
- STEP 3:** Remove upper shock bolt. (16mm socket & 16mm wrench) Remove lower shock bolt. (18mm socket & 18mm wrench)
- STEP 4:** Remove stock shocks from vehicle. (Save factory hardware)
- STEP 5:** Remove bottom sway bar bolts. (18mm & 18mm wrench - Save factory hardware)
- STEP 6:** Remove bolt holding brake line to frame. (10mm wrench)
- STEP 7:** Install brake line extension bracket. Secure to frame with factory hardware. (10mm wrench) Install factory bracket on extension with included 1/4" x 1" bolt, washers and nut.
- STEP 8:** Move axle down out of the way. Remove coil spring and spring isolator.
- STEP 9:** Install washer/nut spacer retainer in upper coil mount from above (nut side up). Attach new coil spring spacer to upper mount, securing it to washer/nut spacer with included 1/2" x 2 3/4" bolt and lock washer.
- STEP 10:** Install factory coil spring isolator on new coil spring spacer.
- STEP 11:** Reinstall coil spring, top first, then rotating until bottom pigtail hits spring stop.
- STEP 12:** Lower vehicle slightly and ensure that coils are properly seated on top.
- STEP 13:** Reinstall sway bar link using factory hardware. (18mm socket & 18mm wrench)
- STEP 14:** Install rear shock extender brackets in stock location (flanged side nearest mount) and secure shock absorber with included 10mm x 80mm bolts and washers through extender.
- STEP 15:** Reinstall shock in lower mount with factory hardware. (18mm socket & 18mm wrench)
- STEP 16:** Reinstall rear wheels. (19mm deep-well socket) 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:** **BEFORE vehicle is driven**, draglink must be adjusted to center on steering wheel. Failure to do so will result in computer error in traction control system and cause poor handling performance.
- STEP 4:** Have alignment performed to factory specifications by certified alignment professional.
- STEP 5:** Adjust 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)