

SOUTHERN TRUCK

Lift your life.

**2005-2015 Toyota Tacoma
2WD/4WD/PreRunner 3" Lift Kit**

45003

2 - Front Strut Extensions
6 - 3/8" Studs
6 - 3/8" Nuts
6 - 3/8" Lock Washers
2 - Rear Shock Absorbers

2 - 2" Rear Blocks
4 - Rear U-Bolts
8 - U-Bolt Nuts
8 - U-Bolt 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:

Larger rim/tire combinations increase leverage on suspension, steering and other components. An alignment is required after installing this product. Maximum recommended tire size is 265/75R-17 with factory wheels.

REQUIRED TOOLS:

12mm Wrench 14mm Socket 17mm Socket 17mm Wrench
19mm Wrench 19mm Socket 16mm Wrench 21mm Socket
Hammer

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

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 socket)

STEP 3: Remove cotter pin from outer tie rod end on steering linkage and remove nut. (19mm socket - save factory nut and pin)

STEP 4: Separate tie rod end from knuckle by tapping side of knuckle with hammer. Remove linkage from knuckle and move forward out of the way.

STEP 5: Remove sway bar bolts and allow sway bar to drop. (17mm wrench - save factory hardware)

STEP 6: Remove strut nuts on upper strut tower. Leave one nut in place to hold strut assembly in place. (14mm socket)

STEP 7: Support knuckle with jack. Remove nut from ball joint on upper control arm. Hit side of knuckle with happer to separate ball joint from upper control arm, but do not let knuckle pull CV shaft out of differential.

STEP 8: Note direction of bolt, then remove lower strut mount nut and bolt from lower control arm. (19mm socket & wrench - save factory hardware)

STEP 9: Remove remaining upper strut nut and emove strut from vehicle.

STEP 10: Install included stud extensions in top of strut spacer and snug tight. (17mm socket)

STEP 11: Install strut spacer on strut with factory hardware. (Torque to factory specs)

STEP 12: Install strut assembly in factory location (rotated 180 degrees). Secure to upper mount with included hardware and torque to 47ft lbs. (17mm wrench)

STEP 13: Raise lower control arm and install factory lower strut mount bolt and nut - torque to 100ft lbs. (19mm socket)

STEP 14: Use jack to raise lower control arm and reattach upper ball joint on upper control arm to spindle and secure with factory hardware - torque to 40ft lbs. (19mm socket)

STEP 15: Reinstall tie rod end of steering linkage in knuckle and secure with factory nut and cotter pin - torque to 65ft lbs. (19mm socket)

STEP 16: Repeat steps 3-15 on opposite side of vehicle.

STEP 17: Reinstall sway bar links and secure with factory hardware - torque to 52ft lbs. (17mm wrench)

STEP 18: Reinstall front wheels. (21mm socket - torque to factory specs)

STEP 19: Raise vehicle and remove jack stands. Lower vehicle to ground.

STEP 20: Check clearance between tire and upper control arm. Re-check and tighten all hardware.

STEP 21: Vehicle must ahve front-end alignment after installation - align to factory specs:

Caster Left: 1.5, Caster Right: 1.75, Camber Left: 0, Camber Right: -1/4, Toe-in: -1/32

INSTALLATION INSTRUCTIONS *Rear*

STEP 1: Chock front wheels and jack up rear of vehicle. Place jack stands under frame rails.

STEP 2: Remove wheels and tires. (21mm deep-well socket)

STEP 3: Remove factory shock absorbers. (17mm wrench & socket - Save factory hardware)

STEP 4: Remove stock u-bolts. (19mm socket) Remove factory blocks.

STEP 5: Lower axle assembly with jack to allow lift block installation. Install new lift blocks between factory spring and axle. Raise axle with jack and align blocks to insure they sit flat

STEP 6: With jack applying slight pressure, install new u-bolts with included hardware and tighten in X pattern. (19mm socket - torque to 75-90ft lbs)

STEP 7: Install new shock absorbers and secure with factory hardware. (17mm wrench & socket)

STEP 8: Install wheels and tires. (21mm deep-well socket)

STEP 9: Jack up vehicle to remove jack stands, then lower vehicle to floor.

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 any components during full-turn to full-turn steering sweep. Do not skip this step! Any contact may result in component failure.

STEP 3: Have vehicle aligned to factory specs.

STEP 4: Re-torque u-bolts and other fasteners after 500 miles. Inspect all components during routine maintenance.

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)