

# 2004-2014 Ford F150 2WD/4WD 2.0" Front Strut Extension

## Parts:

2 - Front Strut Extensions    6 - 3/8" Flange Lock 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:

The following instructions assume the use of factory wheels with size 35x12.50x18 tires. The use of wider tires will require trimming and offset wheels.

### REQUIRED TOOLS:

15mm Wrench    15mm Socket    29mm Socket    1 1/16" Wrench  
21mm Wrench    21mm Socket    16mm Wrench    3/8" Wrench  
9/16" Wrench    9/16" Socket    Hammer    Floor 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  | 6ft/lbs   | 8ft/lbs    |
| 3/8"  | 30 ft/lbs  | 35 ft/lbs  | 8MM  | 16ft/lbs  | 22ft/lbs   |
| 7/16" | 45 ft/lbs  | 60 ft/lbs  | 10MM | 40ft/lbs  | 45ft/lbs   |
| 1/2"  | 65 ft/lbs  | 90 ft/lbs  | 12MM | 54ft/lbs  | 70ft/lbs   |
| 9/16" | 95 ft/lbs  | 130 ft/lbs | 14MM | 89ft/lbs  | 117ft/lbs  |
| 5/8"  | 135 ft/lbs | 175 ft/lbs | 16MM | 132ft/lbs | 175ft/lbs  |
| 3/4"  | 185 ft/lbs | 280 ft/lbs | 18MM | 182ft/lbs | 236ft/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 deep well socket)

**STEP 3:** Support suspension with jack.

**STEP 4:** Remove sway bar nut and bushings. (15mm wrench - Save factory hardware)

**STEP 5:** Disconnect upper sway bar end links.

**STEP 6:** Remove strut bolt from lower control arm. (29mm Socket and 1 1/16" Wrench)

**STEP 7:** Remove front lower control arm bolt and nut.

**STEP 8:** Remove rear lower control arm bolt and nut.

**STEP 9:** Use jack to lower control arm from frame pockets.

**STEP 10:** Pry out ABS line clip near upper strut mount.

**STEP 11:** Remove nuts on upper strut tower that holds assembly in place. (15mm wrench)

**STEP 12:** Remove strut assembly from vehicle.

**STEP 13:** Install strut extension on top of strut and tighten with factory hardware.

**STEP 14:** Install strut assembly into strut tower (rotating 180 degrees). Secure with included 3/8" flange lock nuts. (9/16" Wrench - Torque to 30 ft/lbs) Reinstall ABS line clip.

**STEP 15:** Lift lower control arm into position and reinstall factory bolts.

**STEP 16:** Push suspension down and reinstall factory strut bolt.

**STEP 17:** Repeat steps 3-16 on opposite side of vehicle

**STEP 18:** Reinstall front wheels. (21mm deep well socket)

**STEP 19:** Jack up vehicle and remove jack stands. Lower vehicle to floor. Torque all bolts to factory specs.

**STEP 20:** 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:** 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)