

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)