



## INSTALLATION INSTRUCTIONS

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**34930**

**STRUT SPACERS 2004-2018 Ford F-150 2.5" Lift**

**Thank You for selecting a BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.**

**Note:** Confirm that all hardware listed in the parts list is in the kit. **Do not** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.

**Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

**Warning:** **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.

**Warning:** Be aware that the vehicle can handle substantially different than the Manufacturers Original Design now that it has been modified.

**Reminder:** Proper use of safety equipment and eye/face/hand protection is necessary when using the recommended tools to perform procedures!

**Note:** It is very helpful to have an assistant available during installation.

### **RECOMMENDED TOOLS:**

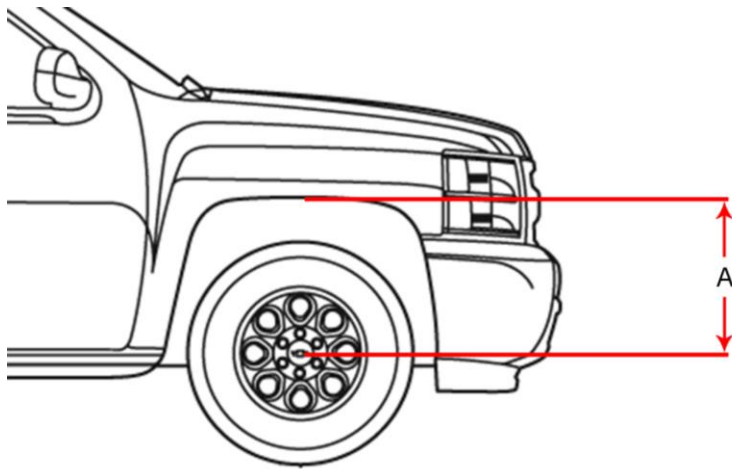
- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Ratcheting socket wrench and socket set
- Safety Glasses
- Torque wrench

### **PREPARING FOR INSTALLATION:**

- Open the hardware kit and remove contents. Refer to the part list to verify parts are present
- Park the vehicle on a smooth, level hard surface such as concrete and activate the parking brake.
- Block the REAR wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "Park" (automatic).

## VEHICLE HEIGHT:

Measure the current vehicle height NOW using the "Wheel Center to Fender" method shown in Diagram below and record the numbers in the space below:



Driver Side: \_\_\_\_\_“

Passenger Side: \_\_\_\_\_“

## JACKING AND SUPPORTING VEHICLE

- Using a correctly weight rated floor jack for your application, lift the FRONT wheels of the vehicle off the ground. Place support stands correctly rated for the vehicle's weight in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis
- Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they are correctly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.
- It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are correctly and securely placed prior to performing the following procedures.

## KIT INSTALLATION

- Remove the front wheels.
- Unbolt the brake and ABS bracket
- Unbolt the Sway Bar end links

## KIT INSTALLATION CONTINUED

- Unbolt and separate tie rod end.
- Loosen but do not remove the upper ball joint nut now break the upper ball joint loose still do not remove the upper ball joint Nut.
- Unbolt and remove the bolt and nut from the lower strut mount.
- Remove the two lower control arm mounting bolts. Use a jack to support the lower control arm and take pressure off the bolts during removal. Remove the three upper strut mounting nuts Push the lower control arm down a little and remove the strut.
- Install the Belltech Strut Spacer on the top mount of the strut and tighten the three upper strut mounting bolts to 26 ft/lbs.
- Install the new assembly into the vehicle by rotating it 180 degrees from the original position.
- Install finger tight the three new upper strut mounting bolts onto the upper strut mount. Do not tighten!
- Install the lower strut mount and bolt.
- Now you are ready to tighten all bolts and nuts back to factory spec's
- Repeat for the other side of the vehicle
- Reinstall Wheels
- Lower vehicle to the ground
- All hardware being fastened to the vehicle's original fastening points should be torqued to the proper specifications. To prevent chassis damage, never over-torque the hardware.
- Check that all components and fasteners have been properly installed, tightened and torqued.
- Once vehicle is on ground check the height of the front, side to side.
- Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.
- After installing the new components, a wheel alignment should be performed according to manufacturer's specifications.

### PARTS LIST FOR 34930 KIT

<b>PART No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
34930-001	Strut Spacer	2
	Flange Nut 10MM x 1.25	6