



INSTALLATION INSTRUCTIONS

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34933

STRUT SPACERS 2010-2014 Ford Raptor 4WD 2" 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:

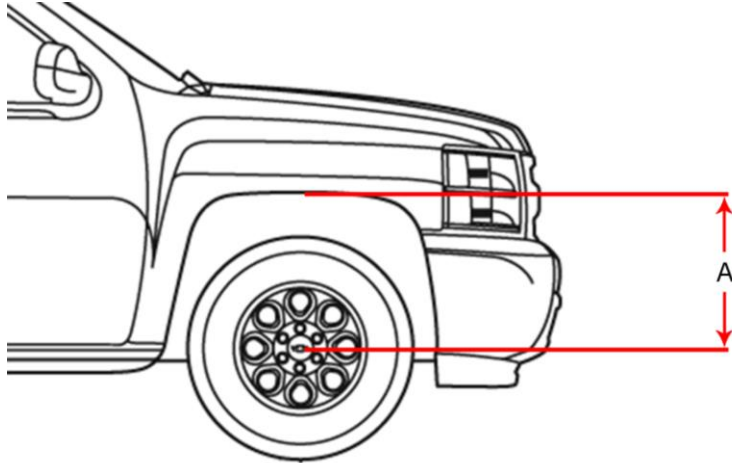
- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Ratcheting socket wrench and socket set
- Safety Glasses
- Torque wrench

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: _____“

KIT INSTALLATION

- Remove the front wheels.
- Unbolt the two 10mm brake line brackets and unhook the ABS lines from the brake support bracket.
- Unbolt the Tie rod end and separate from the Spindle.
- 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 3 upper Strut bolts You may need to loosen the lower control arm bolts to allow you to swing it down out of the way making it easier to 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 the three new upper strut mounting bolts onto the upper strut mount finger tight. **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

KIT INSTALLATION CONTINUED

- Reinstall Wheel
- 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 specifications.

PARTS LIST FOR 34933 KIT

PART No.	DESCRIPTION	QTY.
34933 01	Strut Spacer	2
	Flange Nut 10MM x 1.25	6