

Auto Spring Kits.

Ford 2003-2007 Expedition and 2004-2007 F-150 Front coil/strut 2" lift kit(1-5/8" thick spacers) or 2-1/2 inch lift kit(1-3/4" thick spacers)

Tools Required	Quantity		Company Information
15,17mm wrench & deep socket	1		www.autospringcorp.com
30mm socket	1		
1-1/16" wrench	1		Tech support contact:
17,18 & 21 mm deep sockets	1		1-800-345-0431
Floor Jack	1	PATENT PENDING	
Jack Stand	2		Fax: 1-208-362-6310
1 or 2 lb. Hammer	1		8007 Mossy Cup St. Boise Idaho, 83709

Installation Instructions

1. Before beginning, read instructions completely.
2. Jack up one side of the vehicle as per manufacturer recommendation and support with jack stands. Lift front enough to raise the front tire off the ground.
3. Remove the front tire using a 21 mm socket.
4. Disconnect the sway bar link (upper end) attached to the lower control arm using a 15mm deep socket.
5. Remove the large lower strut assembly bolt using a 30 mm socket on the nut and a 1-1/16" wrench on the bolt head. NOTE: an impact wrench will be helpful to remove this bolt. It is very, very tight
6. Remove three upper strut nuts on the strut tower using a 15 mm socket and wrench. Remove the upper ball joint nut with a 21mm socket or wrench. Smack the steel spindle near the upper ball joint with a sledge hammer. The sharp vibration will cause the ball joint to pop loose from the spindle and allow the lower control arm to swing down allowing the removal of the strut assembly. Now, lower the strut assembly down from the upper strut tower. Remove the strut assembly from the vehicle. You should now be able to access the upper strut plate. (Top of strut)
7. Install one of the steel spacers on top of the strut. The holes will only line up one way and use the factory nuts and a 15 mm wrench to bolt the spacer to the strut. Torque the three nuts to 25 ft lbs.
8. Re-install the strut back in the upper strut tower and start nuts on the three studs that extend thru the tower. Use the nylock nuts provided in the kit. Tighten with a 17mm wrench and Torque to 35 ft. lbs.
9. Jack up the lower control arm and raise enough to re-install the lower strut bolt. Torque to 225 ft. lbs.
10. Jack up the lower control arm and connect the upper control arm to the spindle.
11. Torque the upper ball joint nut to 90 ft lbs.
12. Reconnect the lower sway bar end link. Torque to 35 ft. lbs.
13. Install the front tire.
14. Carefully lower the vehicle to the ground and torque lug nuts to factory specs. Repeat the spacer installation procedure on the other side of the vehicle.
15. **ALIGN THE VEHICLE.** Re-aligning the vehicle must be done to allow the suspension to relax to its proper ride height (the tires will be toed-in which will cause severe tire wear and will force the front to sit too high) Re-aligning the vehicle is required with any lift/ leveling kit. Re-torque all bolts after 300 miles.

WARNING! Installation of this kit should be by a certified mechanic only. Adjust headlights after installation.