

RUGGED OFF ROAD

5-102

2004-14

F150 2/4WD

Step by step instructions and checklist: Use the proper tools and safety equipment to perform all work. Torque all fasteners to proper specifications and double check work. Align your vehicle after installation.



Raise and support front of vehicle off the ground. Remove front wheels/tires, support suspension with jack.



Disconnect upper sway bar end links.



Disconnect and remove lower shock bolt and nut.



Loosen and remove front lower control arm bolt and nut



Loosen and remove rear lower control arm bolt and nut.



With jack, lower control arm from frame pockets.






Pry ABS line clip out and remove upper strut mounting nuts.



Remove strut assembly from vehicle



Install new strut extension with **GOLD Flange Nuts**, tighten.

		
Reinstall with SILVER Flange Nuts .	Torque lower control arm hardware at ride height. Lift lower control arm into position and reinstall bolts.	Push down suspension and reinstall lower strut bolt and nut.
Reinstall/torque wheels/tires and lower vehicle on ground.	Test drive and re-check all work and have vehicle aligned.	

Final Checks & Adjustments

Post Installation Warnings: Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to insure proper torque. Torque wheels to factory specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension. Failure to perform the post inspection checks may result in vehicle component damage and/or personal injury or death to driver and/or passengers. Test drive vehicle and re-check the torque of all fasteners and re-torque wheels on vehicle. Readjust headlamps.

Vehicle Handling Warning: Vehicles with larger tires and wheels will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle.

Wheel Alignment/Headlamp Adjustment:

It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving. In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment

Vehicle Re-Torque and Safety Inspection:

Upon completion of all services and adjustments performed on your vehicle, and within 50 miles of driving, check to ensure all fasteners and hardware are properly torqued to specification as noted in the vehicles factory service manual or the torque chart included.