2004 Ford F-150
2" Leveling Kit
Installation Instructions
Part # FF25MS

REQUIRED TOOL LIST:

- **Metric/Standard Wrenches & Sockets**
- **Floor Jack**
- **Jack Stands**
- **Measuring Tape**
- **Torque Wrench**

Before beginning the installation, read these instructions and the enclosed driver's WARNING NOTICE thoroughly and completely. Also affix the WARNING decal in passenger compartment in clear view of all occupants. If any of these items are missing from this instruction packet, do not proceed with installation, but call SKYJACKER® to obtain needed items.

Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is uneven (side-to-side) from the factory, but usually not noticed until a lift kit has been installed which makes the difference more visible. Using a measuring tape, measure the front and rear (both sides) from the ground up to the center of the fender opening above the axle. Record below for future reference.

Driver Side Front: _____ Passenger Side Front: _____

Driver Side Rear: _____ Passenger Side Rear: _____

IMPORTANT NOTES:

- Please refer to Parts List to insure that all parts and hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact your dealer as soon as possible.
- If larger tires (10% more than stock diameter) are installed, speedometer recalibration is necessary (see Ford dealer or Tire Store).
- After installation, a qualified alignment facility is required to align the vehicle to factory specs.

Kit Box Breakdown:

FF25MS: Main Component Box

ITEM#	DESCRIPTION	QTY
FF25MS-S	04 F150 2" ALUM FRONT SPACER	2
HB-716X2DES	HARDWARE BAG/ALUM SPACER KITS	1

Hardware Bag Breakdown:

HB-716X2DES

ITEM#	DESCRIPTION	QTY
716X2DES	7/16 X 2" DOUBLE ENDED STUD	6
716SAEW	7/16 SAE WASHER	6
716FTN	7/16-20 FINE N/I LOCK NUT	6
LT100	NUTS N' BOLTS 427 1 ML TUBE	1

Front Installation:

1. Secure and properly block the tires of vehicle on a level concrete or asphalt surface.
2. Raise the vehicle from the front center cross member and remove tires and wheels. (See Photo #1)
3. Disconnect outer tie rod from steering knuckle using a 21mm socket. It may be necessary to strike the side of the knuckle to dislodge the tie rod end. Be careful not to damage the tie rod end itself. (See Photo #2)
4. Disconnect the Upper A-Arm ball joint from the top of the steering knuckle using a 21mm socket.
5. Disconnect the lower strut mount from the lower A-Arm using a 1 3/16” and 1 1/16” socket. Remove bolt. (See Photo #3). Disconnect the sway bar links from sway bar.
6. Remove the upper three strut mounting bolts from the upper frame mount using a 15mm wrench. (See Photo #4).
7. Locate supplied 7/16" studs and new front Aluminum Spacers. Apply thread locking compound to the coarse thread portion of the studs. Thread in studs by hand until tight. (See Photo #5)
8. With studs installed, attach aluminum spacer to the top of the factory strut using the factory studs and nuts. (See Photo #6) Torque to 45 Ft. Lbs.
9. Install new strut assembly. Attach with new upper 7/16" retaining nuts and washers. Only start the nuts at this time. (See Photo #7)
10. With upper nuts started, install lower shock retaining bolt @ the A-Arm.**“Ford Torque Specifications”** for this bolt is 351 Ft. Lbs.
11. Using a floor jack to raise the lower A-Arm, Re-Attach upper ball joint to steering knuckle. (See Photo #8)

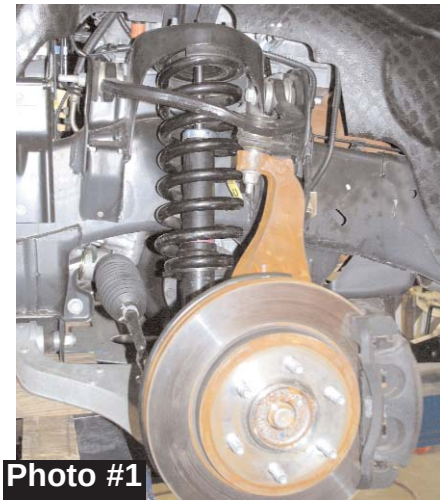
Photo #1

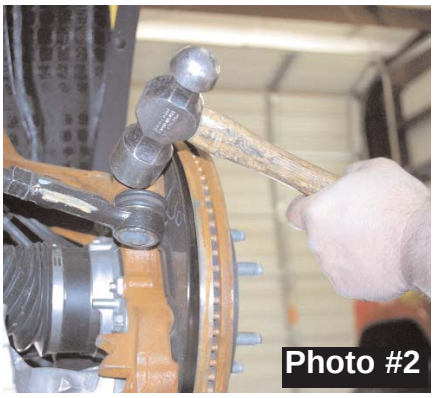
Photo #2

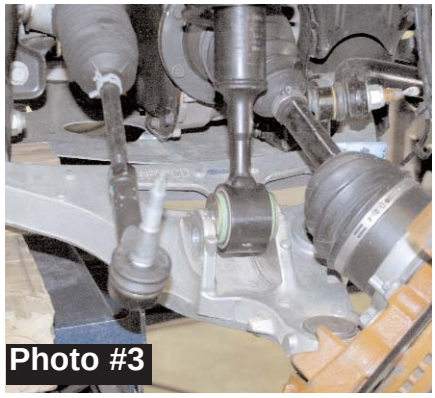
Photo #3

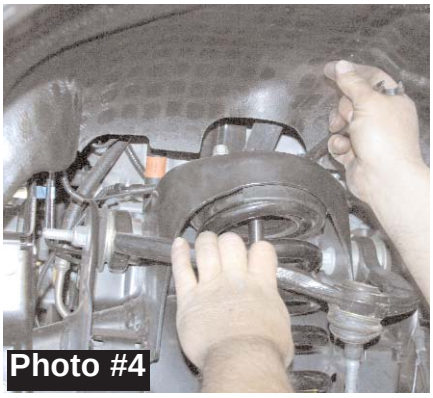
Photo #4


Photo #5


Photo #6

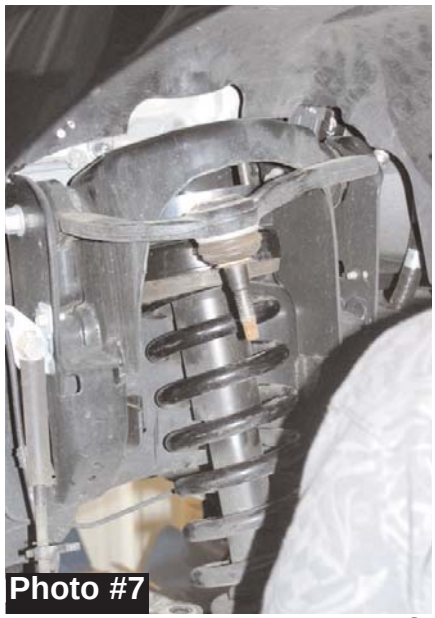
Photo #7

11. Re-Attach outer tie rod end. (See Photo #9) Torque retaining nut to factory specs.
12. Tighten upper 7/16" nuts. Torque to 50 Ft. Lbs. (See Photo #10)
13. After both sides are completed re-attach factory end links. (See Arrow in Photo #11)
14. Install tires and wheels. Lower vehicle to the ground.

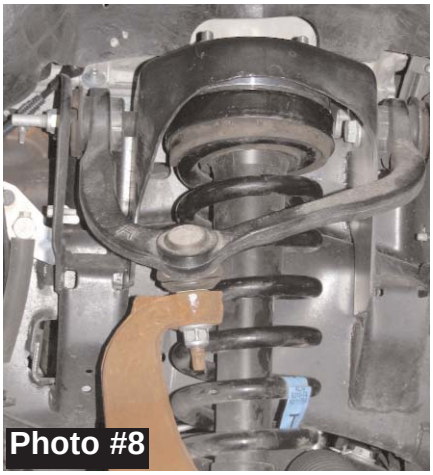
Photo #8

FINAL NOTES:

* After installation is complete, double check that all nuts and bolts are tight. Do Not tighten nuts/bolts where thread locking compound was applied.
* Check to ensure there is adequate clearance between All rotating, mobile and fixed members. Check clearance between inner side wall of tires.
* Ensure there is adequate clearance between exhaust and brake lines, fuel lines, fuel tank, floor board, and wiring harnesses. Check steering gear for interference and proper working order. Inspect brake lines for damage and adequate clearance. Test brake system.
* With the vehicle on the floor, cycle steering lock to lock and inspect steering, suspension, drive line and brake line systems for proper operation, tightness and adequate clearance.
* Have headlights readjusted to proper settings.
* Front end realignment is necessary so have a qualified alignment center realign front end to factory specifications.


Photo #9


Photo #10


Photo #11

Photo #12