

ROUGH COUNTRY

SUSPENSION SYSTEMS®

2009-2014 Ford F150 2WD 2"½" Lowering Kit

Thank you for choosing Rough Country for all your suspension needs.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the kit contents list on the back page. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have the tools needed to install the kit.

⚠ WARNING

Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to decrease vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lowering devices and excludes any and all implied claims. We will not be responsible for any product that is altered.

Always inspect (replace if necessary), bearings, ball joints, tie rods and ends as well as steering components before installation is completed.

We will be happy to answer any questions concerning the design, function, and use of our products.

⚠ NOTICE NOTICE TO DEALER AND VEHICLE OWNER

INSTALLING DEALER / OWNER - It is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

Tools Needed:

21mm Wrench
36mm Socket
18mm Socket/Wrench
24mm Socket
10mm Socket/Wrench
29mm Socket
8mm Socket
17mm Wrench
15mm Wrench
13mm Wrench
1 1/16+Wrench
Needle Nose Pliers
Impact
Torque Wrench
Floor Jack
Jack Stands

3/8+Allen
3/4+Socket
7/8+Socket
27mm socket
Hammer

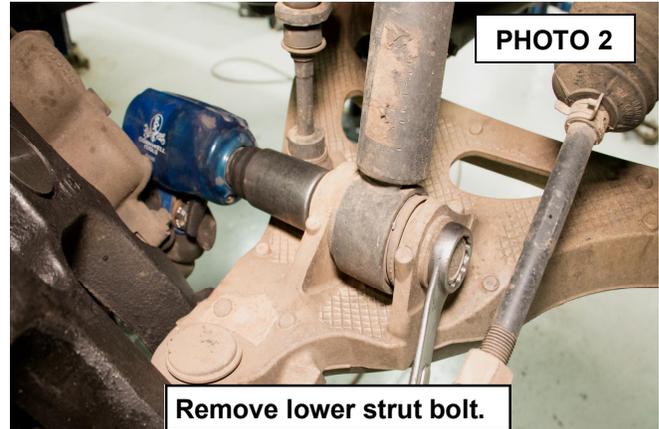


Kit Includes:

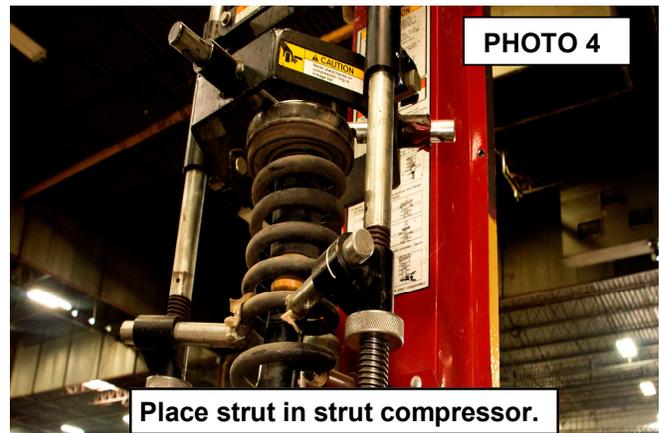
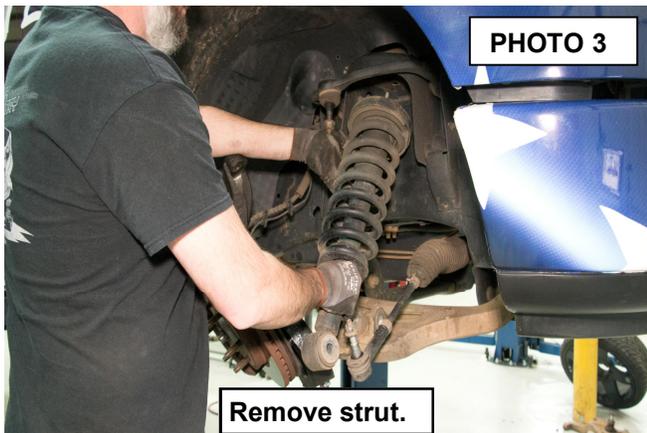
802.20/.22
(2) Drop Spring Seats
(2) Shackles
Hardware Bag
(2) Rear Shocks

FRONT INSTALLATION INSTRUCTIONS

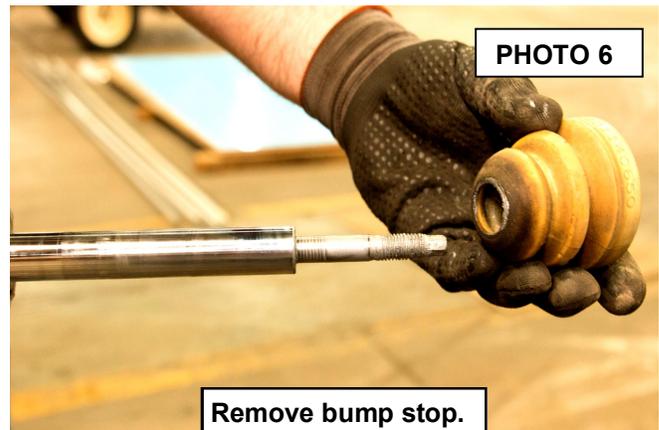
1. Using 15mm wrench, loosen and remove upper strut nuts. **See Photo 1.**
2. Using a 1 1/16+ wrench and a 29mm socket, remove the lower strut bolt and nut. Save for reuse. **See Photo 2.**



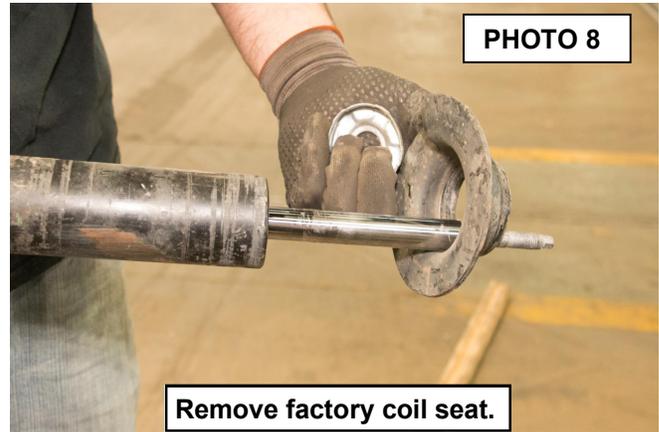
3. Remove factory strut assembly. **See Photo 3.**
4. Compress factory strut in strut press. **See Photo 4.**



5. Use a 8mm socket to hold the strut shaft and a 17mm wrench to remove the top nut. **See Photo 5.**
6. Remove strut from press and remove the strut hat and coil spring.
7. Remove the factory bump stop. **See Photo 6.**



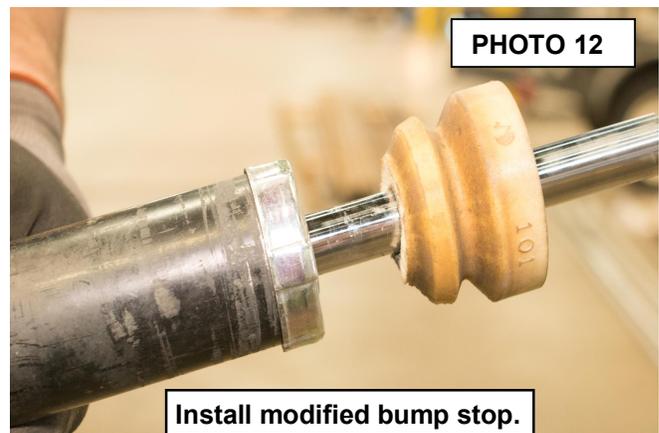
8. Remove the strut cap. See Photo 7.
9. Remove the factory coil seat. See Photo 8.



10. Cut the bottom section off of the factory bump stop. See Photo 9.
11. Install the Rough Country dropped coil seat onto the factory strut. See Photo 10.



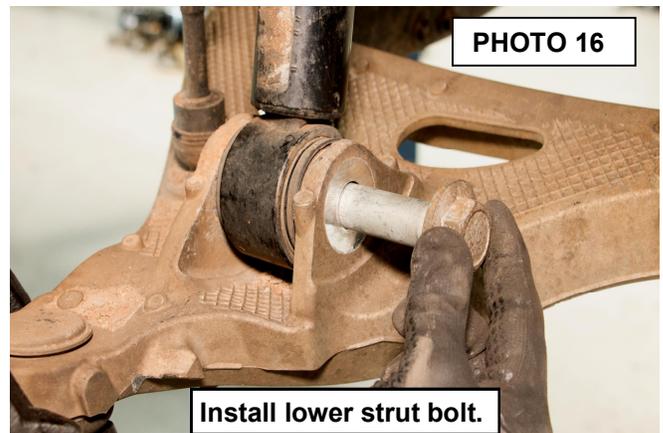
12. Install the factory strut cap, you will need lightly tap the strut cap with a hammer to get it completely seated. See Photo 11.
13. Install the modified factory bump stop with the smaller end down. See Photo 12.



14. Re-install the factory coil and strut hat onto the strut and place in strut press. **See Photo 13.**
15. Using a 17mm wrench and 8mm socket, tighten the strut hat nut to factory spec. **See Photo 14.**



16. Place the assembled strut into the factory location on the vehicle. **See Photo 15.**
17. Place factory bolt through the mount in the lower control arm and the strut. Tighten to factory spec. **See Photo 16.**



18. Using a 15mm wrench, tighten the upper strut bolts to factory spec. **See Photo 17.**



POST INSTALLATION

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.
2. Perform steering sweep. The distance between the tire sidewall and the brake hose must be checked closely. Cycle the steering from full turn to full turn to check for clearance.
3. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
4. Adjust headlights to proper settings and take truck in for a front-end alignment to a qualified alignment professional.
5. Have vehicle alignment performed by qualified alignment shop immediately.

Shock Mounting

N2.0 shocks. Part number **658695**. Install sleeves into shock bushings. Shocks will mount with the body **down**.

Perf2.2 Shocks. Part number **660576**. Install sleeves into shock bushings. Shocks will mount with the body **up**.



Alignment Specifications

2009-2014 F150 2wd

Front	\leftarrow	\rightarrow  \leftarrow	\rightarrow
Total Toe	-0.00°	+0.20°	+0.40°
Front Camber	-0.95°	-0.20°	+0.55°
Caster	+2.90°	+3.90°	+4.90°
Rear			
Total Toe
Rear Camber
Thrust Angle	-0.25°	+0.00°	+0.25°

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable , State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.

