

92750300



1-800-222-7023

Installation Instructions
for 97-03 Ford F150 2wd
3" Spindle Lift



Thank you for choosing Rough Country Off Road Gear for your suspension needs.

Rough Country recommends a certified technician install this system. In addition to these instructions. The installer should have professional knowledge of disassembly and reassembly procedures as well as post installation check 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 parts list. Be sure you have all needed parts and know where they go.

PRODUCT USE INFORMATION

As a general rule, the taller a vehicle is, the easier it will roll. Offset, as much as possible, what is lost in rollover resistance by increasing tire track width. In other words, go “wide” as you go “tall”.

Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Rough Country product purchased. Missing component brands, lifts, and/or combining body lift with suspension lifts voids all warranties. Rough Country makes no claims regarding lifting device and excludes any and all implied claims. We will not be responsible for any product that is altered.

Braking performance and capability are decreased when significantly larger/heavier tires and wheels are used. Take this into consideration while driving.

The required installation time for this system is approximately 2 hours.

This suspension system was developed around a 285/75/R16 tire on the factory wheel. Before installing other combinations, please consult your local tire and wheel specialist.

These directions are for the front spindle kit only. Your purchase may have included rear blocks and u-bolts or add-a-leafs to raise the rear, in this case the instructions for these products will be found in their respective boxes.

NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product must have a “Warning to Driver” Decal installed on the inside of the windshield or on the vehicles dash. The Decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

Installing Dealer—it is your responsibility to install the warning decal and forward these installation instruction to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

INSTALLATION STEPS

1. Jack up the front of the truck and support the frame rails with jack stands. The tool list is on the back page.
NEVER WORK UNDER AN UNSUPPORTED VEHICLE.
2. Starting on the passenger side of the truck remove the front tire. Remove the brake calipers from the spindle bracket using a 13 mm wrench. Zip tie the caliper to the frame rail. **Do not let the caliper hang from the hose.** Remove the two bolts securing the bracket from the spindle using an 18mm socket.



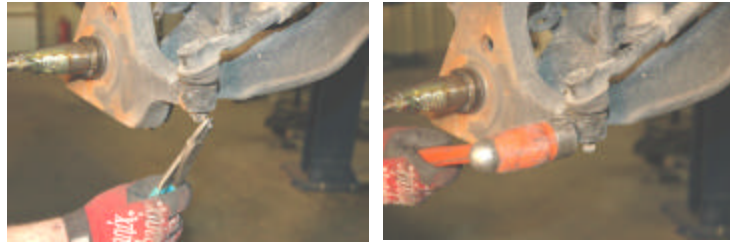
3. Remove the dust cap from the brake rotor using a small punch. You will be reusing the dust cap later so do not puncture it. Using side cutters remove the cotter key from the spindle shaft. Using a 1" socket remove the spindle nut and washer.



4. Slide the rotor off the spindle shaft. Make sure to keep the bearings inside the rotor.



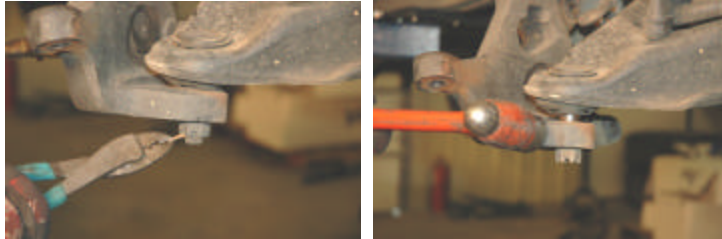
- Using side cutters remove the cotter pin from the tie rod. Using a 21mm socket remove the castle nut. Using a hammer hit the spindle only as shown until the tie rod pops out. Never hit the tie rod itself or the threaded shaft.



- If your vehicle has antilock brake system, remove the sensor from the spindle. This will be reinstalled on the new spindle.
- Support the lower control arm with a jack. Raise the lower control arm 1". This should be enough to relieve the tension on the shock.
- Using side cutters remove the cotter pin from the upper ball joint. Using the 21 MM wrench loosen castle nut. Using a hammer hit the spindle as shown until the upper ball joint pops out. Again never hit the ball joint itself or the threaded shaft.



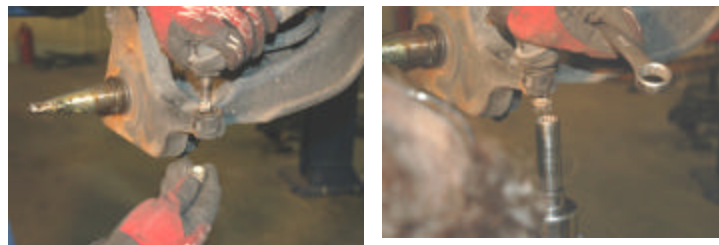
9. Using side cutters remove the cotter pin from the lower ball joint. Using the 24mm socket loosen the castle nut. Using the hammer hit the spindle as shown until the ball joint breaks free. Again never hit the ball joint itself or the threaded shaft. Remove the upper and lower castle nut and place spindle aside.



10. Install the new lifted passenger side spindle on the upper and lower ball joints using the stock castle nuts. Torque to factory specs. Install the new cotter pins provided.

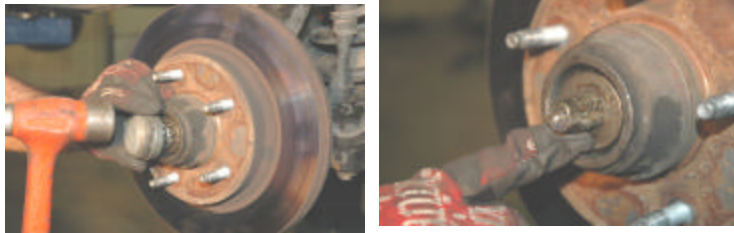


11. Install the tie rod using the castle nut and torque to factory specs. Install the cotter pin provided.

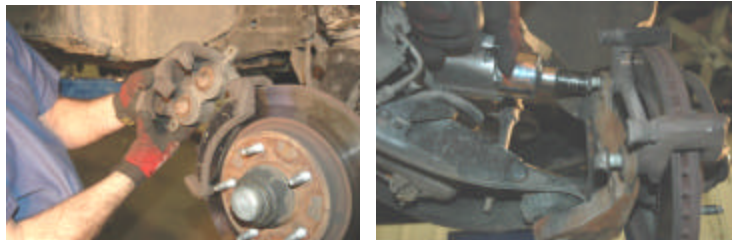


12. If your vehicle has ABS install the sensor at this time.

13. Using High Temp grease apply a light coating on the new spindle. Inspect your wheel bearings. If they are worn or discolored replace them at this time.
14. Slide the rotor with bearings on the spindle shaft. Install the spindle nut washer and nut. Tighten to factory specs. **Do not over tighten.** Install the cotter pin provided. Using a hammer lightly tap the stock dust cap into place.



15. Install the caliper bracket on the spindle. Install the brake pads and the brake caliper reusing factory bolts. Torque to factory specs.



16. Install the Tire and Wheel and torque to factory specs.
17. Repeat on Drivers side.
18. Jack up front of the truck, remove the jack stands and lower the truck on the ground. Cycle the steering right to left lock to lock checking for clearance of all components.
19. Vehicle will need to be aligned.
20. After 20 miles all lug nuts need to be torqued again to factory specs. After 100 miles all nuts and bolts will needed to be torqued again to factory specs.

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**FOR MORE INFORMATION CALL
800-222-7023**

Rough Country, Inc.

Tools Needed

13MM Wrench	21MM Deep Well Socket
1/2" Ratchet	Hammer
Flat Punch	Side Cutters
Bearing Grease	1" Socket
Floor Jack	2 Jack Stands

Kit Includes:

Drivers and Passengers Spindles.

2 Spindle cotter keys.

4 Ball Joint cotter keys.

2 Tie Rod Cotter Keys.

4 Zip Ties.

