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Rough Country 50321 Installation Instructions

6-Inch Lift Kit with N3 Shocks for 2017–2022 Ford Super Duty 4WD, Part 50321

Part number: 50321

trailfortress.com/rough-country-6-inch-lift-kit-50321

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

1550BAG8

2019 F250/F350 SRW 4.5 & 6” SUSPENSION LIFT KIT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician installs 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 all the instructions before beginning the installation. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. Also please review the tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is the easier it will roll. We strongly recommend seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Braking performance and capabilities are decreased when significantly larger/heaver tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

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

This kit is packaged as a leveling kit—raising the front 4.5” and the back 4”. If you desire a different look or if the vehicle has a tool box or added weight in the rear, please consult with your sales representative about block / u-bolt options.

The 4.5” suspension system was developed for **35x12.50x17** and the 6” kit was developed for a **37x12.50x20** tire on an after market wheel w/ 4.5” back spacing.

⚠NOTICE NOTICE TO DEALER AND VECHICLE OWNER

Any vehicle equipped with any Rough country product must have the “Warning to Driver” decal installed on the sun visor or dash. The decal is to 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 to forward these installation instructions on too the vehicle owner for review and to be kept in the vehicle for its service life.

Kit Contents:

9297	4.5”Coil Springs
9296	6” Coil Springs
1550Box1	Track Bar Bracket
	Radius arm Drop Brkts
	Pitman Arm
	Fr Bump-stop spacer
	Fr Dr Brake Line Bracket
	Fr Pass Brake Line Bracket
	Rear Brake Line Brkt
	Dr Sway Bar Bracket
	Pass Sway Bar Bracket
	Fr Dr Stab Bracket
	Fr Pass Shim Bracket

1563Box3 or 1550Box2 or 1563BOX4 Block and U-Bolt Kit

50420BOX1 Shock Box

7673 or 7674 U-Bolts for 4” Rear Axle

Tools Needed:

10mm Socket / Wrench
15mm Socket / Wrench
18mm Socket / Wrench
19mm Socket / Wrench
21mm Socket / Wrench
24mm Socket /Wrench
30mm Socket
34 Socket
5/8” Socket / Wrench
1 1/8” Wrench
Jack Stands
Jack
Pliers
Pitman Arm Tool
Torque Wrench

Torque Specs:

Size	Grade 5	Grade 8
7/16”	45 ft/lbs	60 ft/lbs
1/2”	65 ft/lbs	90 ft/lbs
9/16”	95 ft/lbs	130 ft/lbs
5/8”	135 ft/lbs	175 ft/lbs
3/4”	185 ft/lbs	280 ft/lbs

	Class 8.8	Class 10.9
8MM	18ft/lbs	23 ft/lbs
10MM	32ft/lbs	45ft/lbs
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs

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