Rough Country 51800 Installation Instructions

4.5-Inch Lift Kit for 2019-2020 Ford F-150 Raptor 4WD

Part number: 51800

trailfortress.com/rough-country-4-5-inch-lift-kit-51800

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

51930BAG5

FORD 2017-19 RAPTOR 4.5” LIFT KIT

THANK YOU FOR CHOOSING ROUGH COUNTRY FOR 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 parts list. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

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

⚠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 increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

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. If questions exist we will be happy to answer them concerning the design, function, and correct use of our products.

This 4.5” suspension system was developed using a 37X12.50/20 tire with 20 x 9 wheel with 0mm offset, slight trimming may be required. **Cannot use OEM wheels. Must use 18” or larger dia. wheels not to exceed 9” in width with 0mm offset/5” backspacing.** Due to manufacturing, dimension variances, and inflation, all tire and wheel combinations should be tested prior to installation on all oversized / wider then stock tires.

⚠NOTICE Vehicles will require the EPAS (Electronic Power Assist Steering) plugs to be disconnected prior to beginning installation of this kit. See installation instructions. Failure to disconnect these plugs may result in damage to the EPAS module resulting in an error message being displayed, which will require replacement of the EPAS module

⚠NOTICE DEALER AND VEHICLE OWNER

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

Tools Needed:

5mm Allen	Floor Jack
8mm Allen	Jack stands
8mm wrench /socket	Reciprocating Saw
10mm wrench /socket	Hammer
13mm wrench / socket	1 1/16” Wrench
15mm wrench /socket	Torque wrench
18mm wrench /socket	Tape measure
21mm wrench /socket	Strut/Spring Compressor
27mm wrench /socket	Hand Vacuum Pump
30mm wrench /socket	Die Grinder
1/2” wrench/socket	Cutoff Wheel
5/8” wrench/ socket	
9/16” wrench/socket	
3/4” wrench/ socket	

Torque Specs:

Size	Grade 5	Grade 8
5/16”	15 ft/lbs	20 ft/lbs
3/8”	30 ft/lbs	35 ft/lbs
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
6MM	5 ft/lbs	9 ft/lbs
8MM	18ft/lbs	23 ft/lbs
10MM	32ft/lbs	45ft/lbs
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs
16MM	130ft/lbs	165ft/lbs
18MM	170ft/lbs	240ft/lbs