TRAIL FORTRESS

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Rough Country 87304 Installation Instructions

N3 Steering Stabilizer (Rough Country 87304)

Part number: 87304

trailfortress.com/rough-country-n3-steering-stabilizer-87304

Scan for fitment, price and install help

82265

ROUGH COUNTRY
SUSPENSION SYSTEMS®

JEEP JL DUAL STEERING STABILIZER 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.

⚠NOTICE NOTE: THIS STABILIZER IS FOR USE WITH VEHICLES LIFTED 2 1/2”-6”. INSTALLING THIS STABILIZER ON AN UNLIFTED VEHICLE IS NOT RECOMMNENDED.

KIT CONTENTS:

1-Center Stabilizer Bracket
2-Tie Rod Brackets
2-Stabilizer Cylinders
1-Center Cover Bracket
1—Kit Bag Containing
- 4—1/2 x 2.5” Bolts
- 4—1/2” Nuts
- 4—1/2” Washers
- 1—3/8” x 3” x 3.5” U-bolt
- 4—5/16” x 1-5/8” x 2-1/4” U-bolts
- 2—3/8” Flange Lock Nuts
- 8—5/16” Flange Lock Nuts
- 2— Stabilizer Sleeves

TOOLS NEEDED:

13mm Wrench
18mm Socket
21mm Wrench
1/2” Wrench
3/4” Wrench
Ratchet
Jack
Jack Stands

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

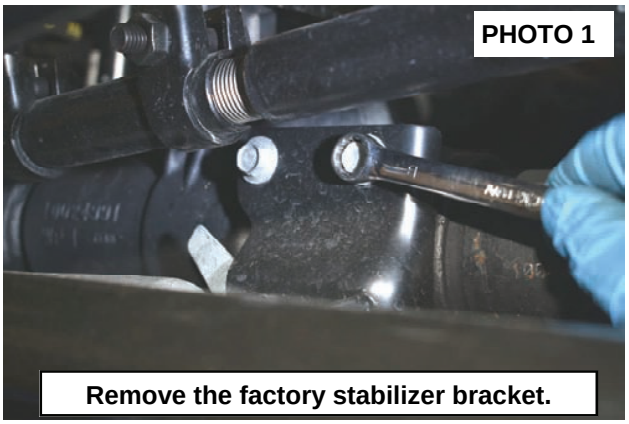
	Class 8.8	Class 10.9
6MM	5 ft/lbs	9 ft/lbs
8MM	18ft/lbs	23 ft/lbs
10MM	32ft/lbs	45ft/lbs
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs
16MM	130ft/lbs	165ft/lbs
18MM	170ft/lbs	240ft/lbs

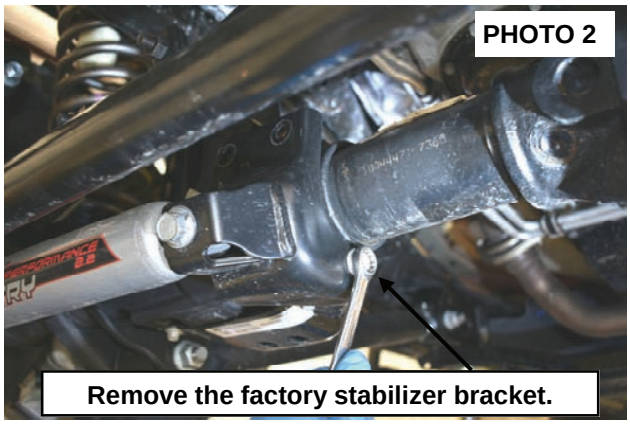


RC ROUGH COUNTRY

DUAL STABILIZER INSTALLATION INSTRUCTIONS

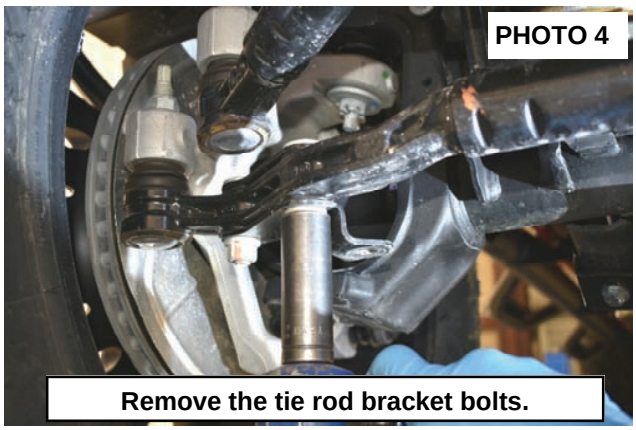
1. Jack up the front of the Jeep and lower onto jack stands to allow the front wheels to turn.
2. Using a 13mm wrench, remove the 2 upper bolts from the factory stabilizer. Retain hardware for reuse. **See Photo 1.**
3. Using a 13mm wrench, remove the side mounting bolt and the factory stabilizer bracket from the axle. Retain bolt for reuse. **See Photo 2.**



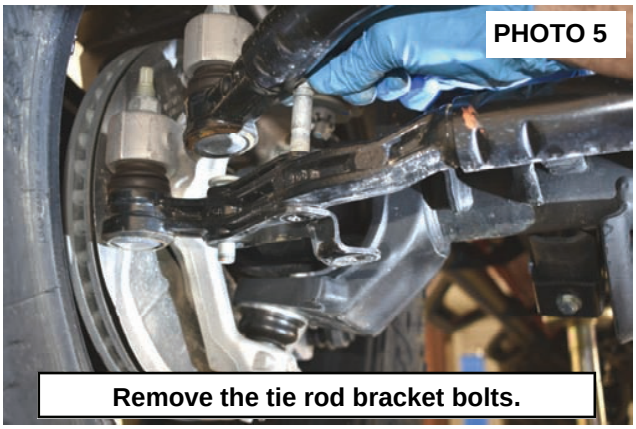


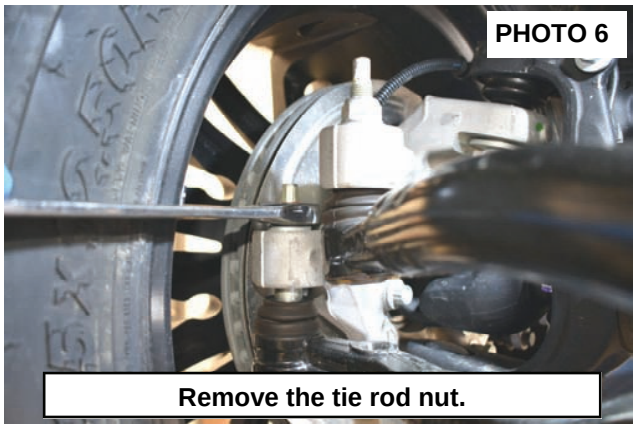
4. Using an 18mm socket, remove the stabilizer mounting bolt from the tie rod mount and remove the stabilizer from the Jeep. **See Photo 3.**
5. Using an 18mm socket, remove the hardware from the tie rod stabilizer mount. **See Photos 4 & 5.**





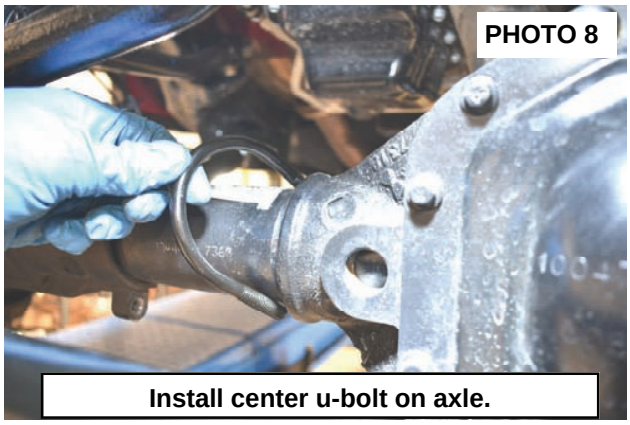
6. Using a 21mm wrench, remove the nut from the tie rod end and remove the tie rod from the knuckle. Retain for reuse. **See Photo 6.**



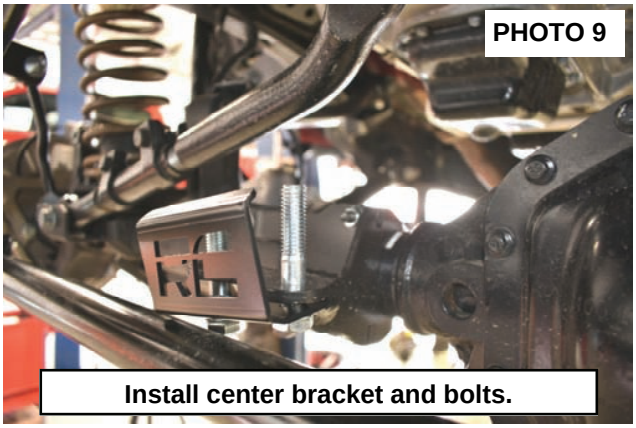


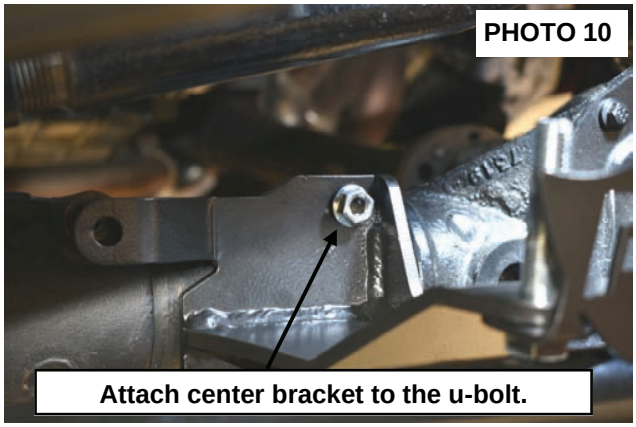
7. Remove the factory stabilizer mount from the tie rod. Reattach the tie rod end to the knuckle and tighten using a 21mm wrench. **See Photo 7.**
8. Install the supplied 3/8” x 3” x 3-1/2” u-bolt on the axle beside the front differential. **See Photo 8.**





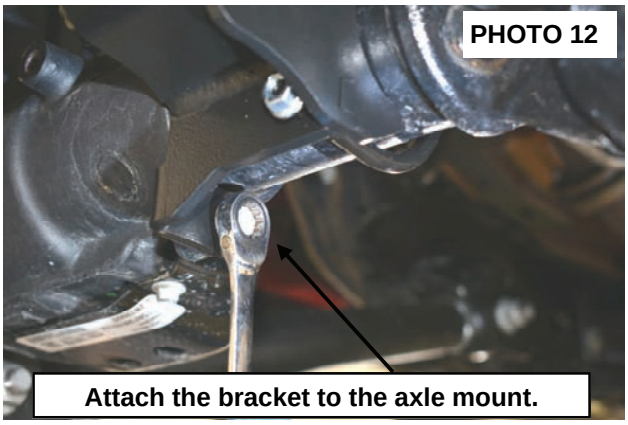
9. Place the supplied 1/2” x 2.5” bolts and the “RC” cover in the center stabilizer mounting bracket. **See Photo 9.**
10. Install the assembly on the axle using the 3/8” u-bolt from step 8 and the supplied 1/2” lock nuts. **See Photo 10.**



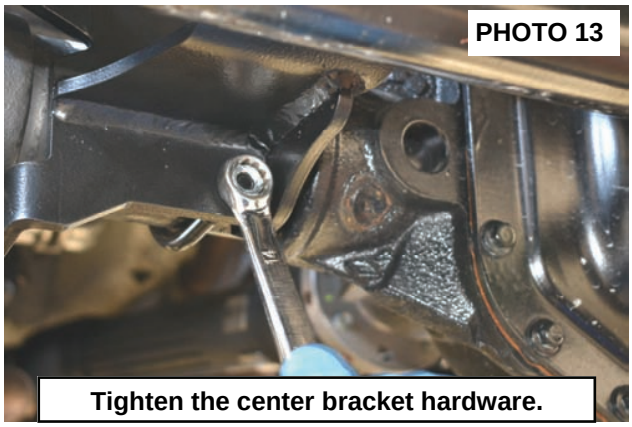


11. Attach the center stabilizer bracket to the factory stabilizer mount using the factory bolts. **See Photos 11 & 12.**
12. Tighten the factory hardware using a 13mm wrench. **See Photo 12.**

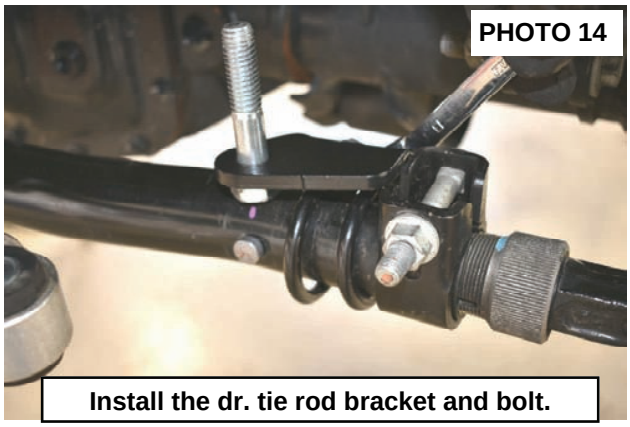




13. Tighten the u-bolt using a 9/16” wrench. **See Photo 13.**
14. Install the supplied 1/2” x 2.5” bolts into the tie rod mounts. **See Photo 14.**
15. Install the driver side tie rod mount using the supplied 5/16” x 1-5/8” x 2-1/4” u-bolts and 5/16” flange lock nuts. Lightly snug the hardware using a 1/2” wrench. **See Photo 14.**

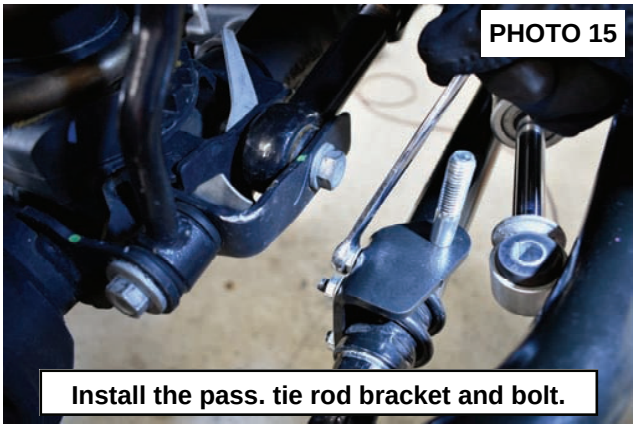


Tighten the center bracket hardware.

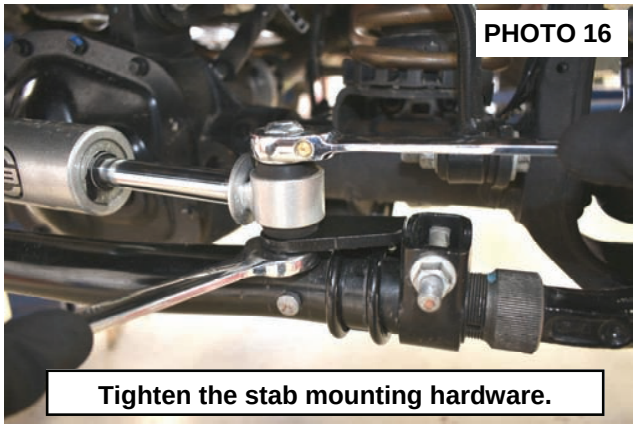


Install the dr. tie rod bracket and bolt.

16. Install the passenger side tie rod mount using the supplied 5/16” x 1-5/8” x 2-1/4” u-bolts and 5/16” flange lock nuts. Lightly snug the hardware using a 1/2” wrench. **See Photo 15.**
17. Install the supplied sleeves in the stabilizers. Use a lubricant to ease install of the sleeves.
18. Install the stabilizer cylinders on the mounts using the supplied 1/2” x 2.5” bolts, washers, and lock nuts.
19. Tighten the stabilizer cylinder mounting hardware using 3/4” wrenches. **See Photo 16.**
20. Turn the steering from side to side. Make adjustments to the tie rod brackets to allow the full stroke of the stabilizer cylinders. This is done by moving the tie rod mounts in or out. After the brackets are centered, tighten with a 1/2” wrench.



Install the pass. tie rod bracket and bolt.



Tighten the stab mounting hardware.

Post Installation

1. Check all hardware for tightness, after the first 500 miles of vehicle operation.
2. Check all hardware for tightness, every 3000 miles of vehicle operation.

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