TRAIL FORTRESS

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Rough Country 31000 Installation Instructions

Steering Box Brace for Ram 2500 & 3500 4WD (2017–2025)

Part number: 31000

trailfortress.com/steering-box-brace-ram-2500-3500-4wd-rough-country-31000

Scan for fitment, price and install help

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ROUGH COUNTRY
SUSPENSION SYSTEMS®

2017 2500/3500 Dodge Steering Brace

Thank you for choosing Rough Country Suspension for your Off Road 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 kit contents list on the last page. Be sure you have all the needed parts and understand where they go.

⚠NOTICE This steering brace was developed for stock and lifted applications. This kit helps take the flex out of the driver frame rail by tying the bottom pivot point of the steering box to both frame rails. This takes the wander out of the steering and gives a solid fill to the steering wheel.

⚠NOTICE **This steering brace will <u>not</u> fit vehicles with electronic sway bar disconnect option.**

⚠NOTICE **<u>Notice to Dealer and Vehicle Owner</u>**

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. By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable Federal, 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.

INSTALLING DEALER—It is your responsibility to install the warning decal and to forward these installation instructions to the vehicle owner for review and to be kept in the vehicle for its service life.

<u>Tools Needed:</u>

10mm socket/wrench
15mm socket/wrench
17mm socket/wrench
5/8" socket/wrench
33mm socket
1 3/4" socket or crescent wrench
1/8" Allen wrench
Loctite

<u>Kit Box:</u>

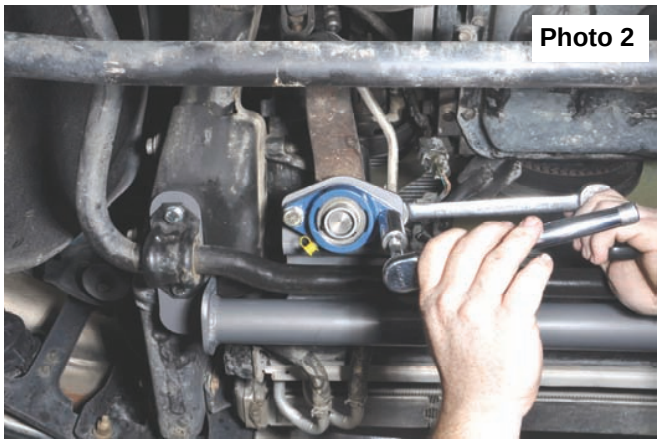
Steering Brace—1
Pitman Arm Nut—1
Bearing Block—1
Bearing Block Shim —1
31000BAG2—1
- 10mm x 35mm bolt—4
- 3/8" Flat Washers—4
- 7/16" x 1.75" Bolts —2
- 7/16" Flat Washers—4
- 7/16" Lock Nuts—2



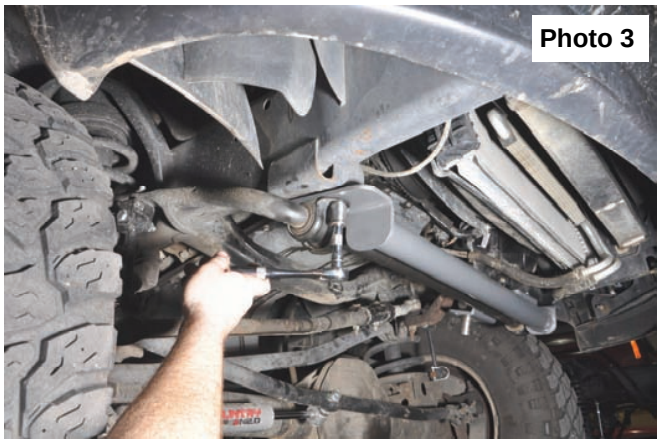
INSTALLATION INSTRUCTIONS

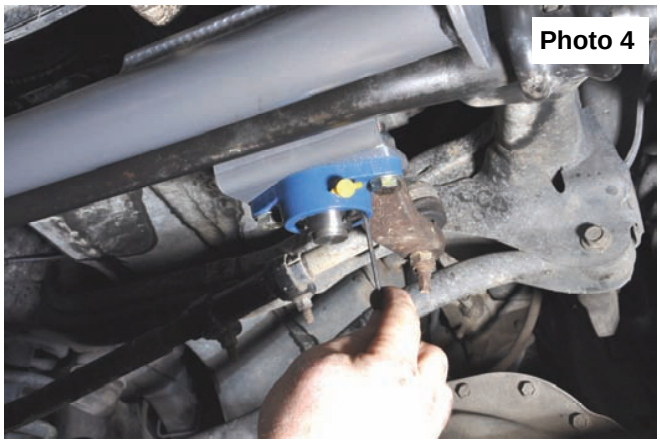
1. Pull the vehicle on a smooth level surface and set the e-brake.
2. Remove the four sway bar bolts from the mounting brackets on the bottom side of the frame using a 15mm socket.
3. Next remove the pitman arm nut using a 33mm socket.
4. Place a small amount of loctite on the threads of the steering box shaft. Install the supplied pitman arm nut with a 1 3/4" wrench or a large crescent wrench. **See Photo 1.**
5. Install the steering brace using the supplied 10mm bolts and washers. This brace will fit between the sway bar mount and the bottom side on the frame rail. Hand tighten.
7. Install the bearing block and shim (shim will go between the brace and the bearing block)with the grease fitting pointing to the front of the truck. Use the supplied 7/16" bolts, washers, and nuts to attach the bearing to the steering brace. Tighten with a 5/8" socket and wrench. **See Photo 2.**





8. Next tighten the sway bar bolts with a 17mm socket. **See Photo 3.**
9. Using a 1/8" allen wrench tighten the set screw on the side of the bearing to lock the pitman arm nut to the brace bearing. **See Photo 4.**





10. Using a grease gun, open the cap and lightly grease the bearing.
11. Cycle the steering both left and right to make sure there is no drag before driving the vehicle. If you feel a heavy drag in the steering loosen the 7/16" bolts on the bearing block and re-center the bearing.

THANK YOU FOR PURCHASING ROUGH COUNTRY PRODUCTS.

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