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Rough Country 689027 Installation Instructions

Vertex 2.5 Adjustable Front Shocks for Chevy/GMC 2500 HD (2020–2025)

Part number: 689027

trailfortress.com/rough-country-vertex-2-5-adjustable-front-shocks-689027

Scan for fitment, price and install help

GM 2011-19 2500/3500HD Front Vertex Shocks

Thank you for choosing Rough Country for all of 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 Kit Contents list on next page. Be sure you have all the needed parts and understand where they go. Also please review the tools needed list to be certain that you have the tools necessary to complete the installation.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, 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. Braking performance and capabilities are decreased when significantly larger/heavier 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, with this 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.

We hope installing your Rough Country lift kit is a positive experience. Please note that variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at 800-222-7023. We do not recommend that you modify the Rough Country parts in any way as this will void any warranty expressed or implied.



Torque Specs:

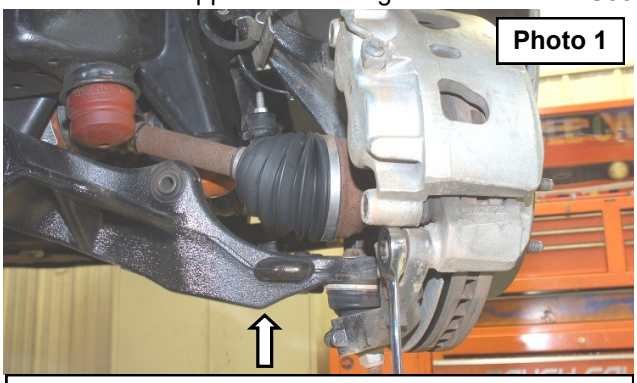
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

Tools Needed:

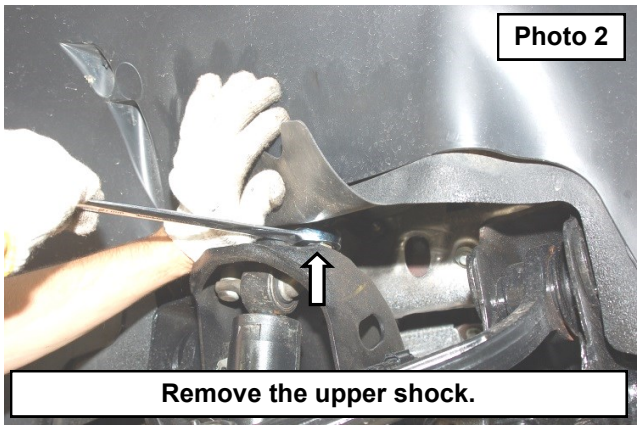
Floor Jack /Jack Stands
21mm Socket/Wrench
Torque Wrench
Screw Driver

INSTALLATION INSTRUCTIONS

1. Chock the rear wheels.
2. Jack up the front of the vehicle.
3. Place jack stands on the frame behind the lower control arms.
4. Lower the vehicle onto the jack stands and remove the tires and wheels.
5. Place the floor jack under the outmost part of the lower control arm of the side of the vehicle you are working on first. Raise jack to relieve tension on the shock. **See Photo 1**.
6. Remove the upper shock using a 21mm socket. **See Photo 2.**

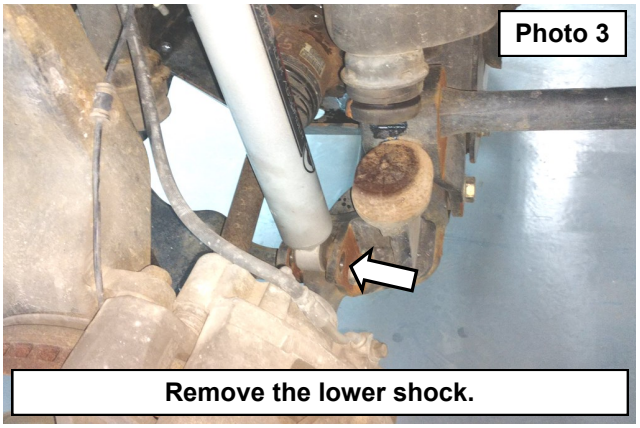


Place jack under control arm.

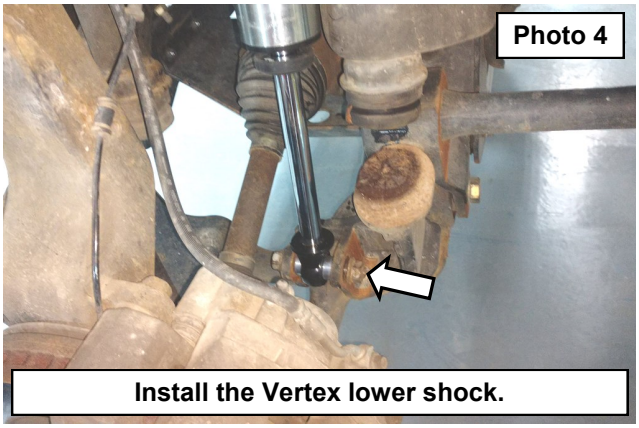


Remove the upper shock.

7. Remove lower shock using a 21mm socket. Keep stock hardware. **See Photo 3.**
8. Install the lower Vertex shock using a 21mm socket with stock hardware. **See Photo 4.**
   NOTE: For easier installation, keep string on shock. Cut string after lower shock is mounted and guide into upper shock mount.

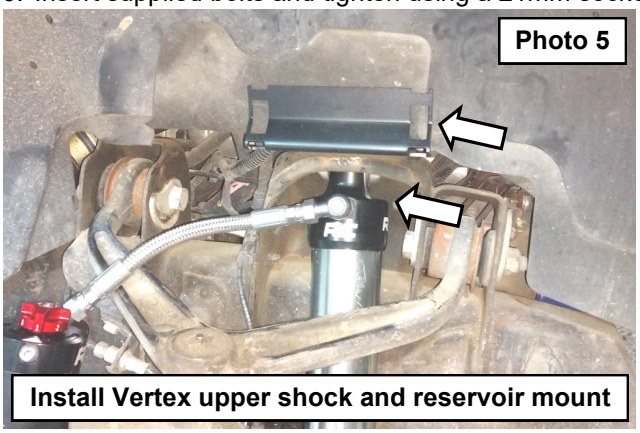


Remove the lower shock.

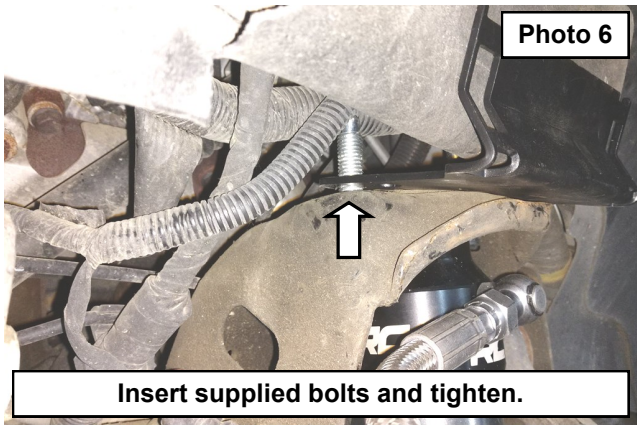


Install the Vertex lower shock.

9. Install the upper Vertex shock and reservoir mount. **See Photo 5.**
10. Insert supplied bolts and tighten using a 21mm socket. **See Photo 6.**

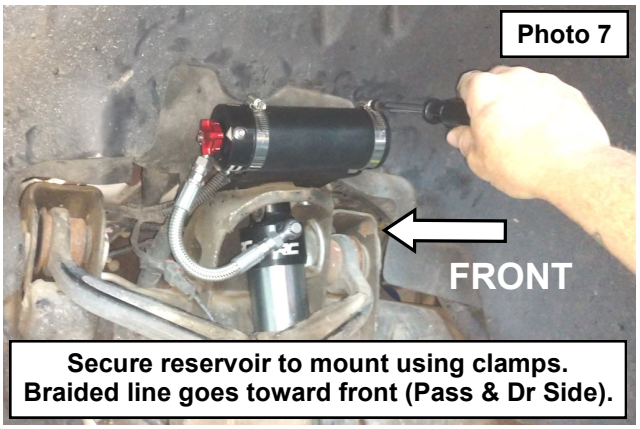


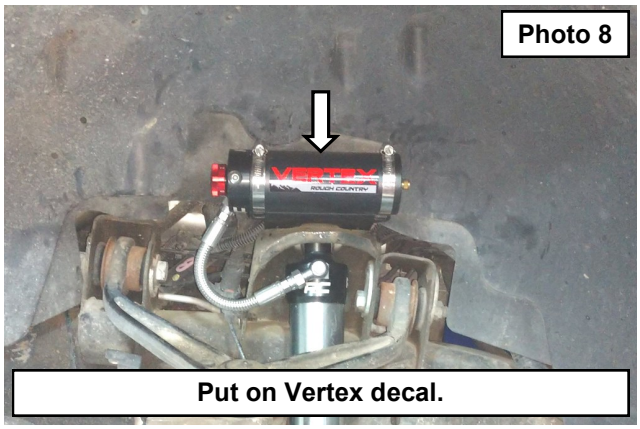
Install Vertex upper shock and reservoir mount



Insert supplied bolts and tighten.

11. Secure reservoir to mount using supplied clamps. The braided line is routed toward the front of the vehicle on both the passenger and driver side. **See Photo 7.**
12. Put on the vertex decal. **See Photo 8.**





13. **Repeat steps 5-12 for other side of vehicle**.
14. Put on wheels and lower.

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