Rough Country 689013 Installation Instructions

689013

Part number: 689013

trailfortress.com/rough-country-vertex-2-5-adjustable-coilovers-689013

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

921680013

Toyota 2007-19 Tundra Vertex Strut

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

KIT CONTENTS:
Vertex Shock x1
Remote Reservoir Bracket x1
Clamps x2

HARDWARE INCLUDED:
10mm-1.5 Hex Head Bolts x4
10mm Lock Washers x4
10mm Flat Washers x4

TOOLS NEEDED:
Jack
Jack Stands
10mm Wrench
12mm Wrench
17mm Wrench
19mm Wrench
22mm Wrench and Socket
24mm Wrench
Hammer
Ratchet



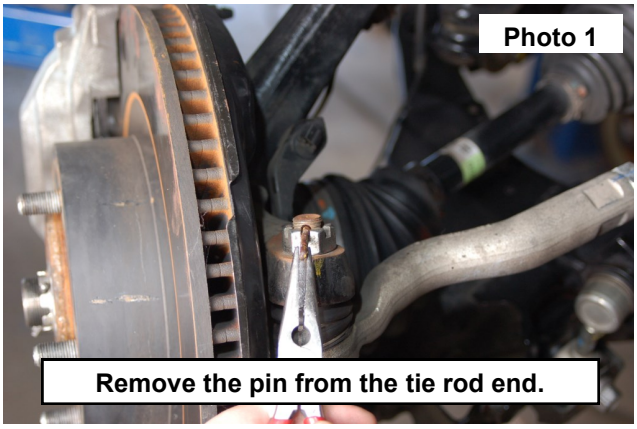
Torque Specs:

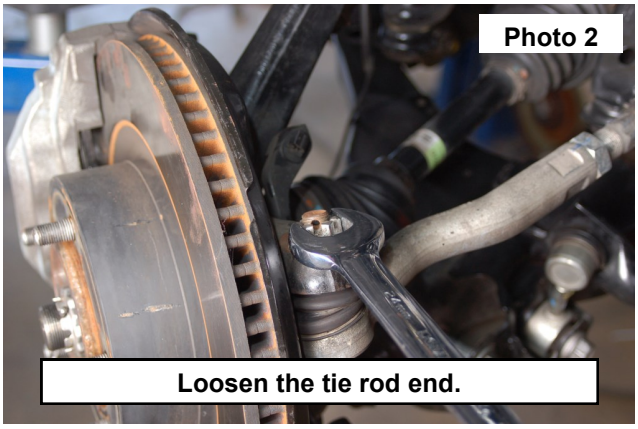
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs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

RC ROUGH COUNTRY

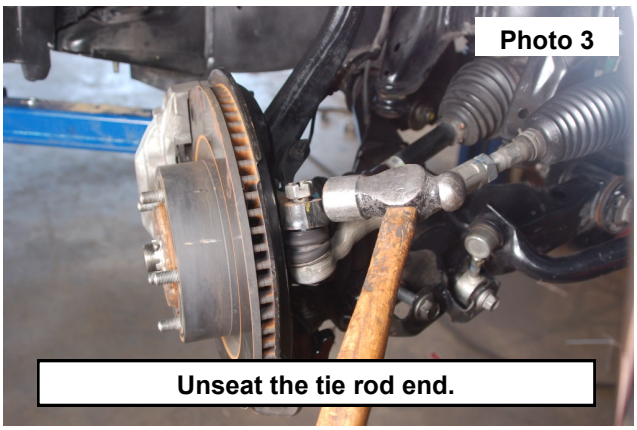
INSTALLATION INSTRUCTONS

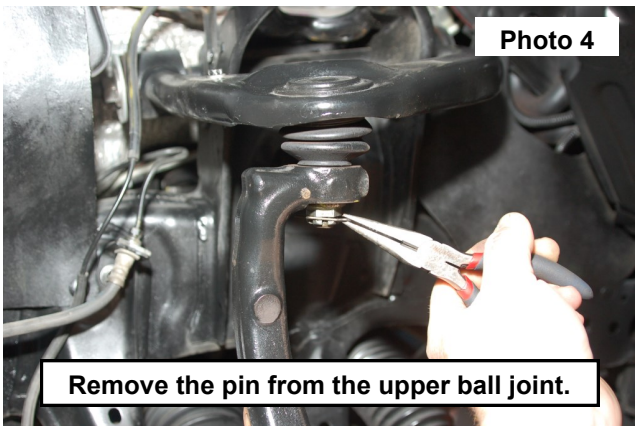
1. Raise the front of the vehicle up using a jack and place jack stands under the frame rail. Lower the vehicle onto the jack stands.
2. Remove the wheels and tires from the vehicle.
3. Take ABS wire loose from upper control arm using a 10mm wrench & ABS/ brake line on the knuckle using a 12mm wrench. Retain the stock hardware.
4. Remove the pin from the tie rod end. **See Photo 1.**
5. Using a 24mm wrench loosen the tie rod end. **See Photo 2.**



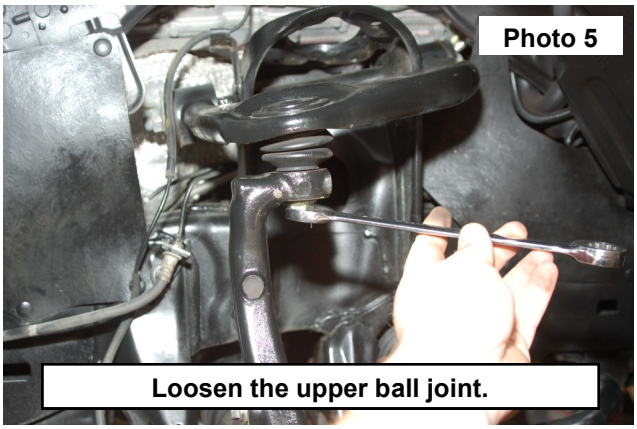


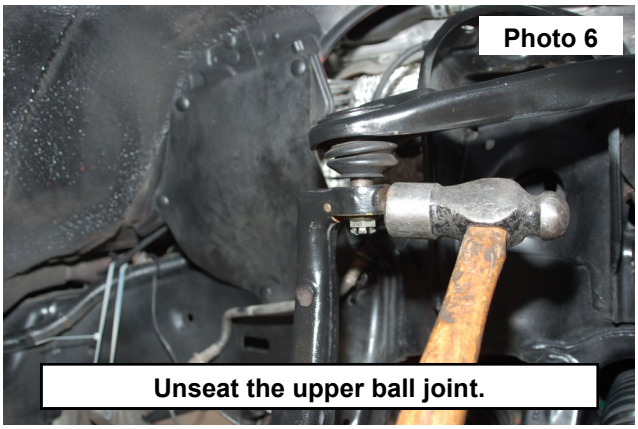
6. Use a hammer to unseat the tie rod end from the knuckle. Then remove the nut and the tie rod end from the knuckle. Retain hardware. **See Photo 3.**
7. Remove the pin from the upper ball joint. **See Photo 4.**



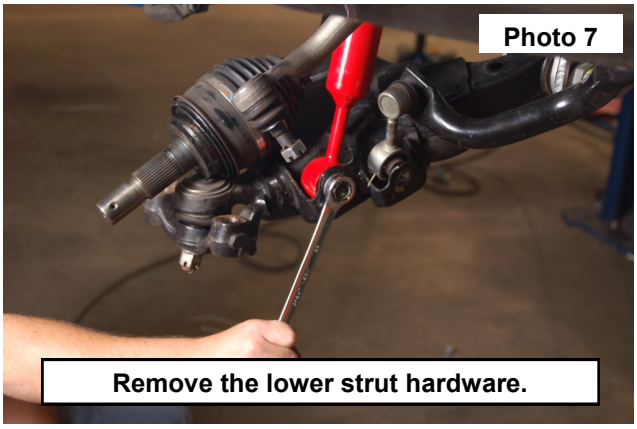


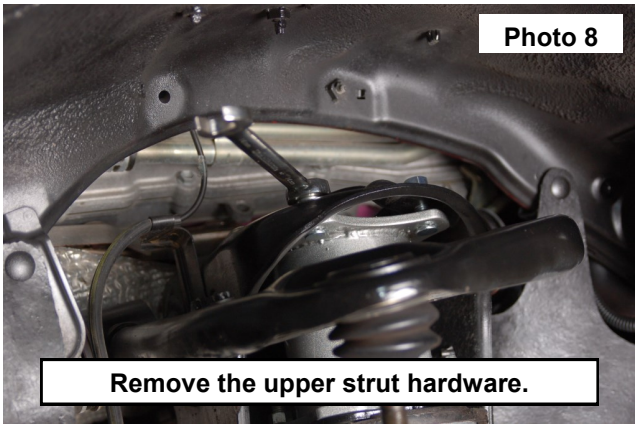
8. Using a 19mm wrench loosen the upper ball joint. **See Photo 5.**
9. Use a hammer to unseat the upper ball joint from the knuckle. Then remove the nut and the upper ball joint from the knuckle. Retain hardware. **See Photo 6.**



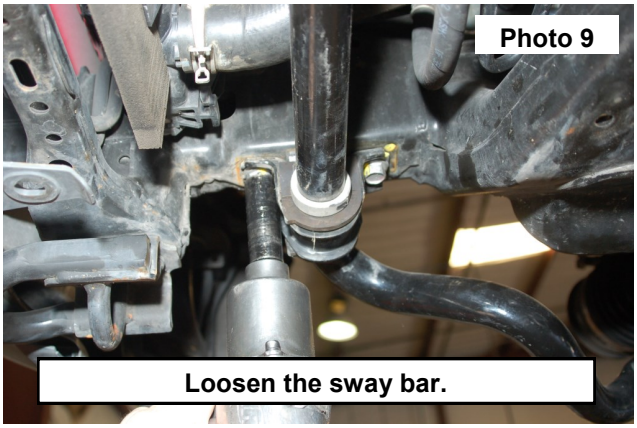


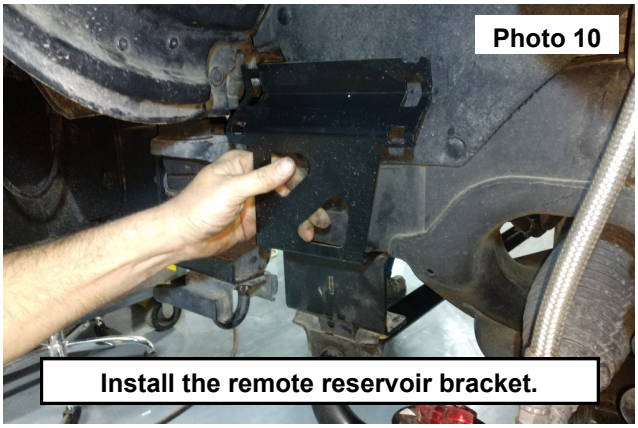
10. Remove the bolt and nut from the lower control arm strut mount using a 22mm wrench and socket. **See Photo 7.**
11. Remove the 4 nuts from the top of the strut using a 14mm wrench. **See Photo 8.**
12. Remove the strut from the vehicle.



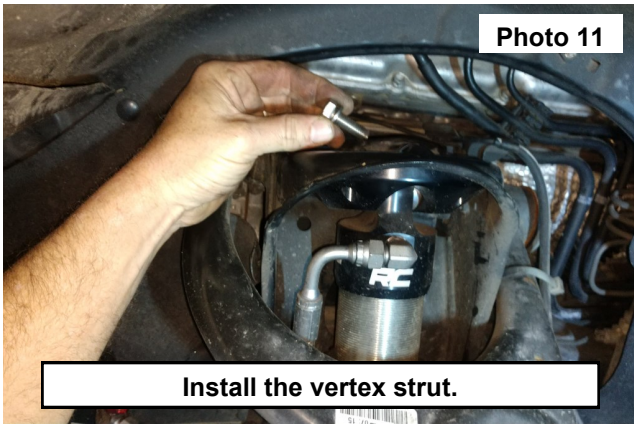


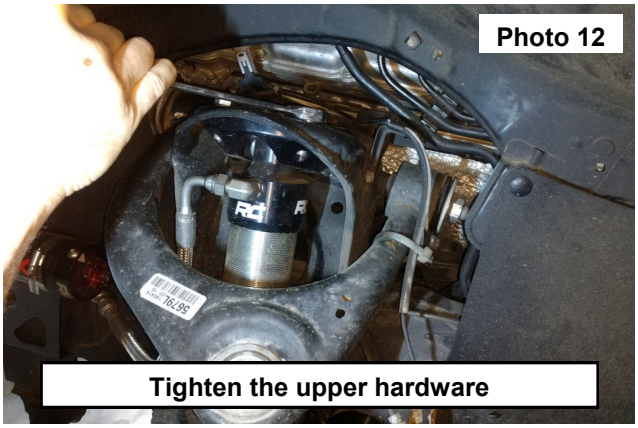
13. Loosen the 2 bolts securing the sway bar from the frame using a 17mm wrench. **See Photo 9.**
14. Install the remote reservoir bracket in-between the sway bar and the frame. Then tighten the bolts using a 17mm wrench. **See Photo 10.**



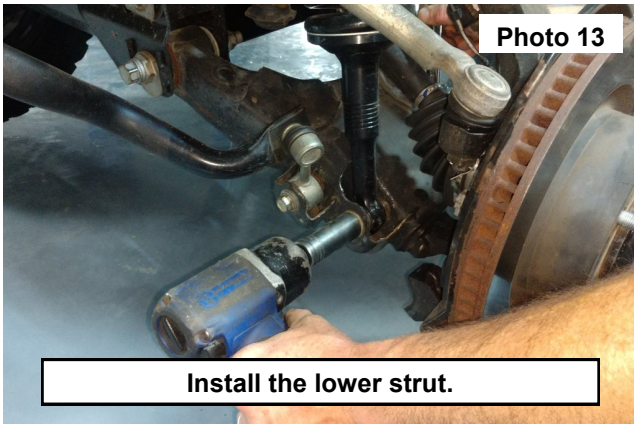


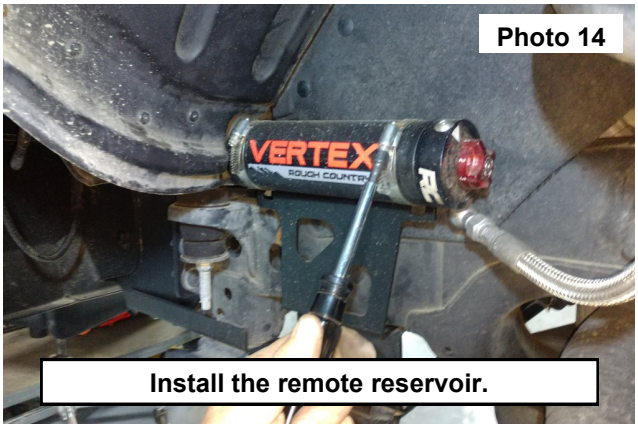
15. Install the vertex strut in to the upper frame mount using the supplied 10mm hardware. Tighten using a 17mm wrench. **See Photos 11 and 12.**



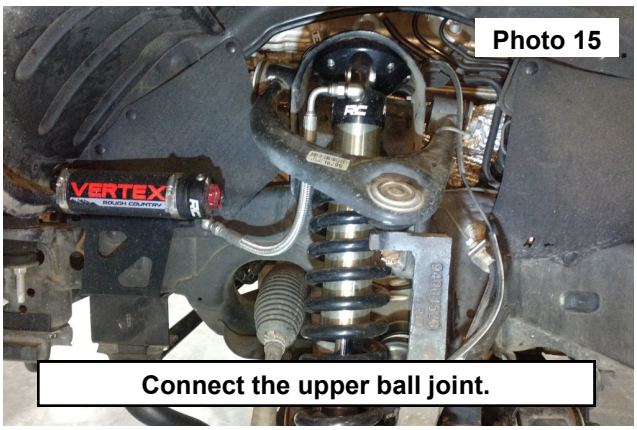


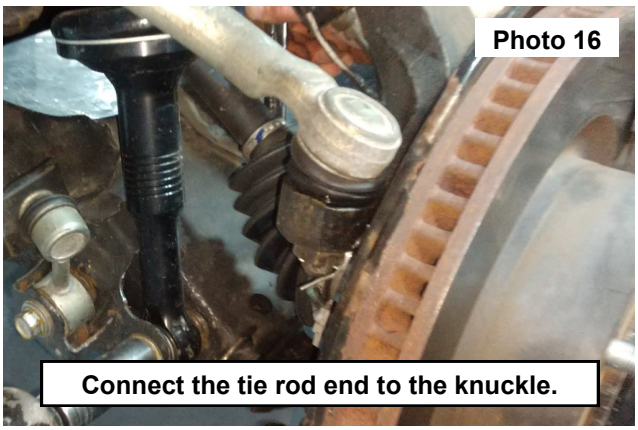
16. Install the lower strut in to the lower control arm mount. Tighten using a 22mm wrench and socket. **See Photo 13.**
17. Install the remote reservoir into the bracket and secure using 2 of the supplied clamps on each side of the bracket. Tighten using a 8mm socket. **See Photo 14.**





18. Connect the upper ball joint to the knuckle and tighten using a 19mm wrench. Reinstall the retained pin. **See Photo 15.**
19. Connect the tie rod end to the knuckle. Tighten using a 24mm wrench. Then reinstall the pin. **See Photo 16.**





20. Install the ABS wire onto the upper control arm using a 10mm wrench and the ABS/ brake line on the knuckle using a 12mm wrench.
21. Install the wheels and tires.
22. Use a jack to raise the vehicle up and remove the jack stands. Lower onto the ground.

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