TRAIL FORTRESS

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Rough Country 10025 Installation Instructions

One-Piece Forged Upper Control Arms, No Welded Seams

Part number: 10025

trailfortress.com/one-piece-forged-upper-control-arms-no-welded-seams-rough-country-10025

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

GM 2007-18 1500 2WD/4WD Upper Control Arm 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 on the rear cover of these instructions. 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 As a general rule, the taller a vehicle is, the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur. 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 question exist we will be happy to answer any questions concerning the design, function, and correct use of our products.

⚠NOTICE **The electric power steering must be unplugged before any of the steering components are removed. Failure to do so may cause damage to the electric power steering.**

⚠NOTICE **Trucks with a mass damper on the front diff, the damper will have to be removed.**

This kit in intended for use with lifted 07-16 GM 1500 applications, in particular 2.5”-3.5” of lift, to allow additional upper control arm movement and clearance between the upper strut tower and the control arm.

NOTICE TO DEALER AND VEHICLE OWNER

⚠NOTICE 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.

Tools Needed:

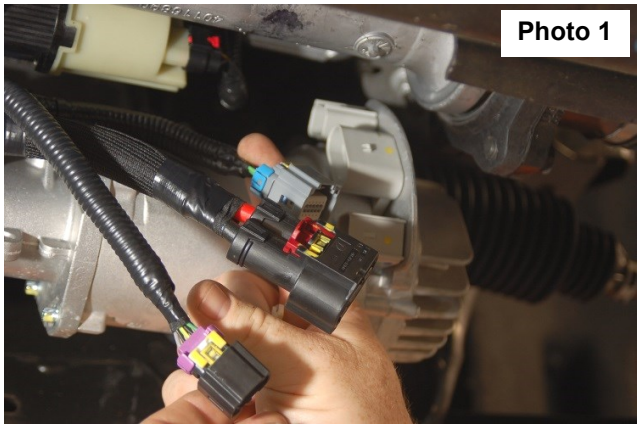
- 18MM Wrench
- 15MM Wrench
- 21MM Wrench
- 11MM Wrench
- 10MM Wrench
- Floor Jack
- Jack stands
- Strut Compressor
- Die Grinder
- Reciprocating Saw

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

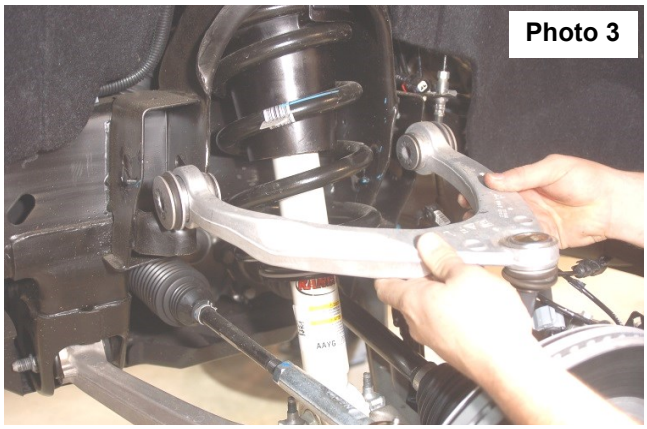
FRONT INSTALLATION

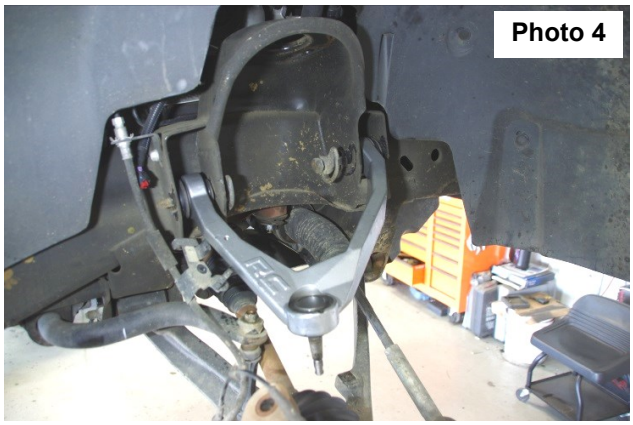
1. Park the vehicle on a level surface and chock the rear wheels.
2. Jack up the front of the vehicle. Place jack stands under the frame rails and lower onto jack stands letting the front suspension hang.
3. Remove the tires and wheels.
4. Unplug the three connectors going to the electric power steering if equipped. **See Photo 1**.
5. Remove the sensor wire from the plastic clip. Remove the brake line bracket from the control arm using a 10mm wrench. Retain hardware for reuse. **See Photo 3.**
6. Remove and unplug the ABS sensor wire from the frame.
7. Strike the knuckle as shown to dislodge the ball joint. Separate the upper control arm from the knuckle. **See Photo 2.**





10. Mark location of alignment cams on upper control arms to allow installation of new arm to same position. Using a 21mm wrench and 21mm socket, remove the upper control arms from the vehicle. **See Photo 3**. Retain the hardware.
11. Install the supplied control arm with factory hardware. Do not tighten at this time only snug the hardware against the alignment cams to hold in place. This will be tightened on the ground. **See Photo 4.**





12. ⚠ NOTICE ***Only if the vehicle is equipped with factory Stamped Steel or factory Aluminum upper control arms: :*** Install the split sleeve into the upper ball joint location of the knuckle from 19401ABag1. Install (1) split sleeve on each side of the vehicle. **See Photo 5.**
13. Reinstall the knuckle to the upper control arm with the supplied nylock nuts/cotter pins. Tighten using 3/4" wrench to **50 ft/lbs. DO NOT over-torque the nylock nut**. Reinstall the tie rod end into the knuckle with factory hardware and using a 21mm wench.
14. Install the brake line bracket on the new control arm using the retained hardware. Tighten using an 10mm wrench. **See Photo 6**.

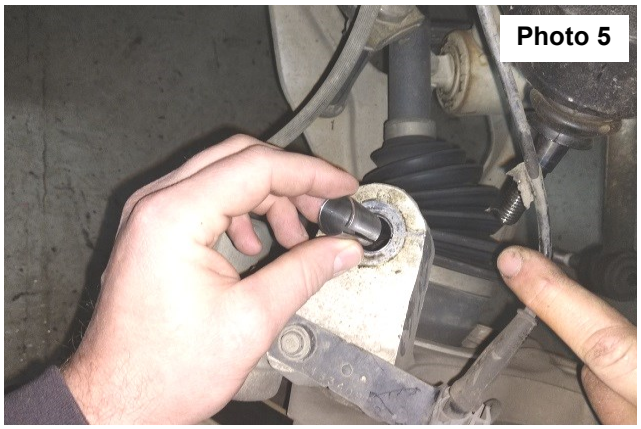


Photo 5

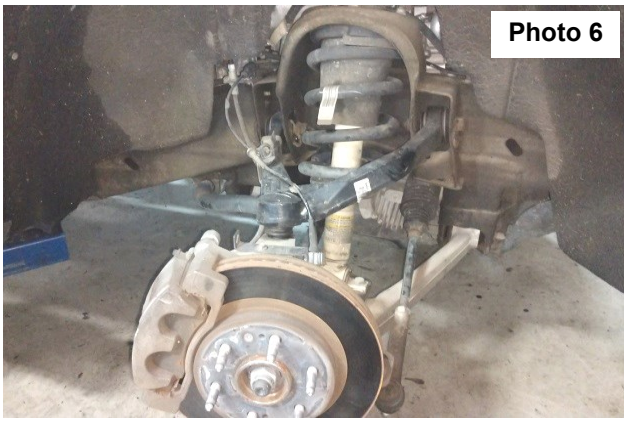


Photo 6

15. Reconnect the three connectors going to the electric power steering.
16. Reinstall the wheels/tires.
17. Jack up the vehicle and remove the jack stands.
18. Lower the vehicle to the ground.
19. Tighten the upper control arm using a 21mm wrench and socket.

POST INSTALLATION INSTRUCITONS

1. Lightly grease the ball joints. Do not over grease the ball joint as this could cause ball joint boot failure.
2. Have a qualified alignment center align the vehicle immediately.
3. Wheels must be retighten at 50 miles.
4. All kit components must be retightened at 500 miles and then every three thousand miles after installation. Periodically check hardware for tightness.
5. Install "Warning to Driver" decal on sun visor.
6. On some vehicles the front lower skirting will need to be trimmed if using certain wheel /tire combinations and with heavy offset wheels. Trim only as needed.

Box Kit

19401ABag1
Split Sleeves x2
Driver Side Control Arm x1
Pass Side Control Arm x1



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