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Rough Country 50009 Installation Instructions

Forged Upper Control Arms for Ranger with Cast Steel Knuckles

Part number: 50009

trailfortress.com/forged-upper-control-arms-ranger-with-cast-steel-knuckles-rough-country-50009

Scan for fitment, price and install help

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FORD 2019 Ranger Upper Control Arm Install

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:
Drivers Side Upper Control Arm x 1
Passengers Side Upper Control Arm x 1
Control Arm Spacer x 4

TOOLS NEEDED:
10mm Wrench
18mm Wrench
21mm Socket
19mm Socket
Wheel Chocks
Torque Wrench
Drill Motor
9/16 Drill
Hammer
Long Nose Plyers
Philips Screw Driver

HARDWARE INCLUDED:

Upper Ball Joint Nuts
6327BAG x 2



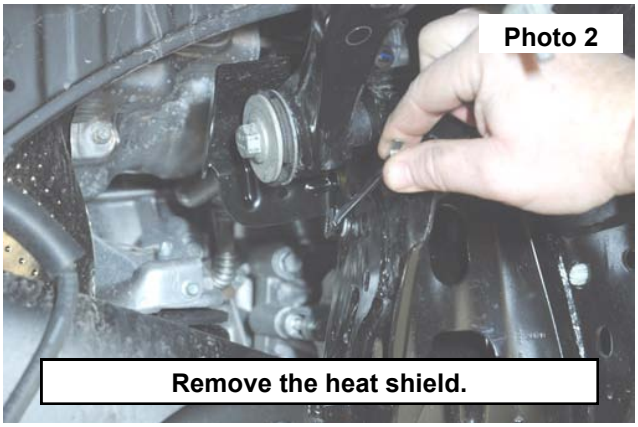
Torque Specs:

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

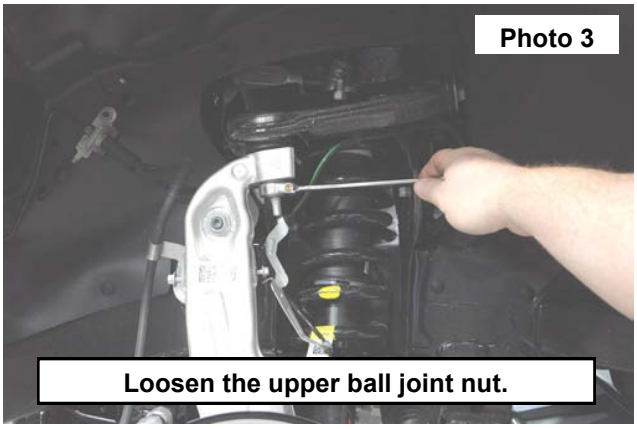
INSTALLATION INSTRUCTONS

1. Chock the rear wheels and jack up the front of the vehicle.
2. Place jack stands under the front frame rails and lower onto the jack stands.
3. Remove the wheels/tires using a 19mm socket.
4. Remove the splash guard from the rear of the control arm using a Philips screw driver. Retain the hardware and the slash guard for reuse. **See Photo 1.**
5. Remove the steel heat shield from the upper strut tower using a 10mm wrench. Retain bolt and shield for reuse. **See Photo 2.**



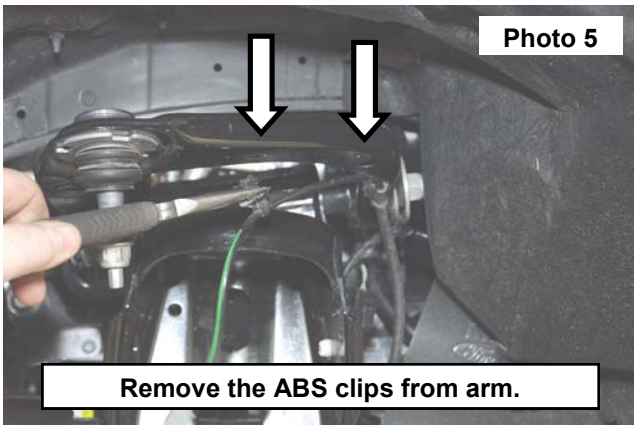


6. Disconnect any ABS or brake lines from the suspension that will get pulled tight during removal of the upper ball joint from the knuckle.
7. Loosen the upper ball joint nut but do not remove. Use a 18mm wrench. **See Photo 3.**
8. Using a hammer unseat the taper to the upper ball joint by hitting only the front of the knuckle. Once the taper has been unseated remove the nut and the upper ball joint from the knuckle. Retain nut for reuse. **See Photo 4.**



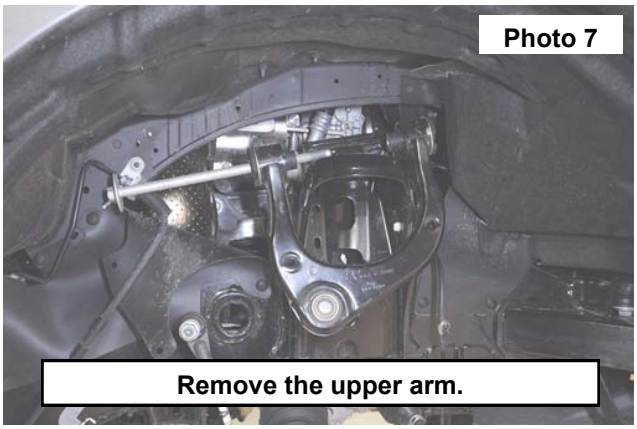


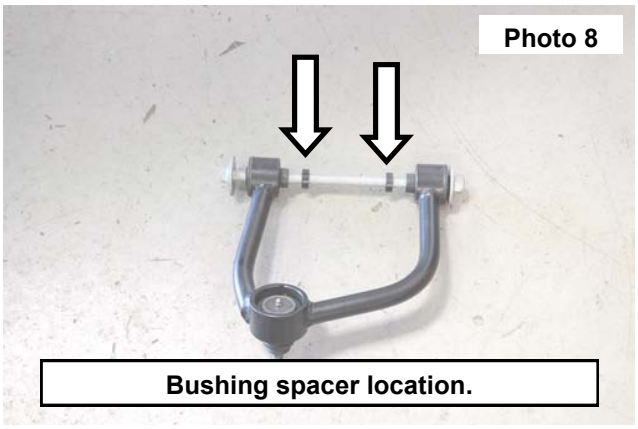
9. Using long nose plyers remove the 2 ABS clips from the bottom of the control arm. **See Photo 5.**
10. Remove the nut from the upper control arm bolt using 21mm and 18mm wrench. Retain the nut for reuse. **See Photo 6.**



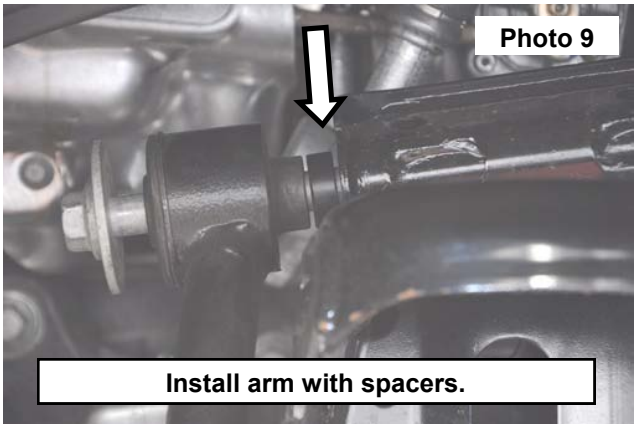


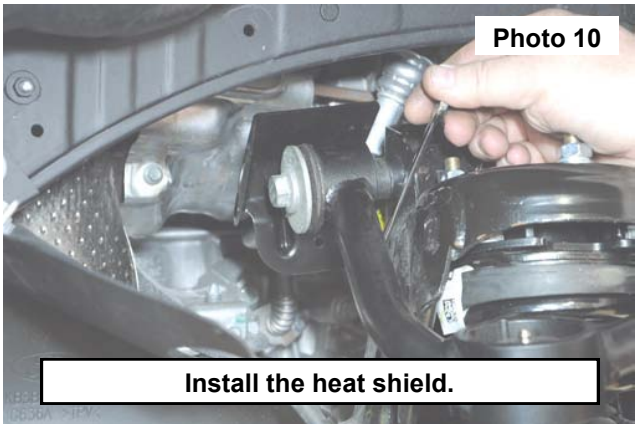
11. Remove the bolt and the arm from the upper control arm mount. Retain the bolt for reuse. **See Photo 7.**
12. Make note of the spacers on each side of the bushing. This will be the position of installation. **See Photo 8.**





13. Install the OE bolt / nut and the new RC upper control arm using 1 spacer on the inside of each bushing. Do not tighten the nut this will be done once the vehicle has been set on the ground. **See Photo 9.**
14. Install the retained steel heat shield and bolt using a 10mm wrench. **See Photo 10.**



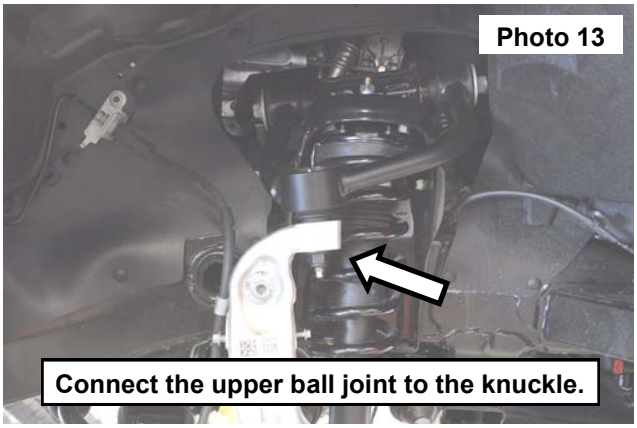


15. Install the retained splash guard and hardware. Use care when tightening the plastic clips and screws. **See Photo 11.**
16. Drill out the upper ball joint boss on the knuckles using a 9/16” drill bit. **DO NOT** drill into the taper or mess the taper up. You are merely opening the lower end of the hole up to accommodate the new ball joint. **See Photo 12.**





17. Connect the upper ball joint into the knuckle using the supplied nut. Torque to 65 ft-lbs. using a 21mm wrench. **See Photo 13.**
18. Secure any disconnected brake lines or ABS wires into the knuckle and the upper control arm
19. Install the wheels/tires using a 19mm socket.
20. Jack up the front of the vehicle. Remove the jack stands then lower the vehicle onto the ground.
21. Roll the vehicle forward and backwards a few feet to get it to settle to the new ride height. Once the vehicle is settled, torque the upper control arms to 120 ft-lbs.





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