Rough Country 501112 Installation Instructions

Loaded Strut Pair for 2008-2012 Jeep Liberty 4WD

Part number: 501112

trailfortress.com/rough-country-loaded-strut-pair-501112

Scan for fitment, price and install help

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ROUGH COUNTRY
SUSPENSION SYSTEMS®

JEEP 2008-12 Liberty 2.5” Loaded 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:
2.5” Loaded Strut x2

TOOLS NEEDED:
Jack
Jack Stands
14mm Wrench or Socket
18mm Wrench or Socket

HARDWARE INCLUDED:
Upper Strut Nuts x8



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

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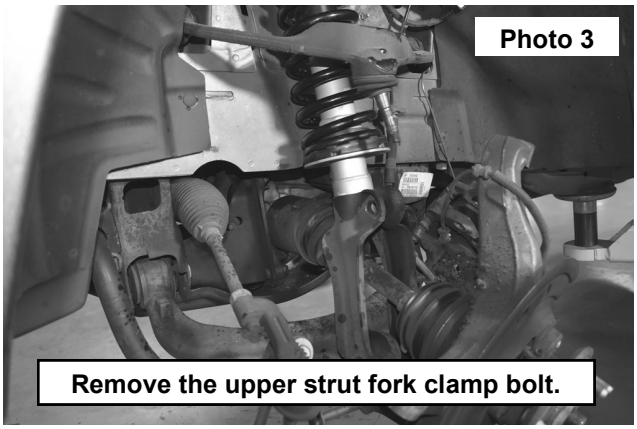
INSTALLATION INSTRUCTONS

1. Lift the front of the vehicle up using a jack. Place jack sands under the frame and lower the vehicle.
2. Remove the wheels from the vehicle.
3. Support the lower control arm with a jack.
4. Disconnect the sway link from the lower control arm.
5. Disconnect the tie rod end from the knuckle.
6. Loosen the upper ball joint nut, use a hammer to break the brake the taper loose. Remove the nut and the upper arm from the knuckle. **See Photo 1.**
7. Remove the lower strut mount bolt using a 18mm socket and wrench. **See Photo 2.**



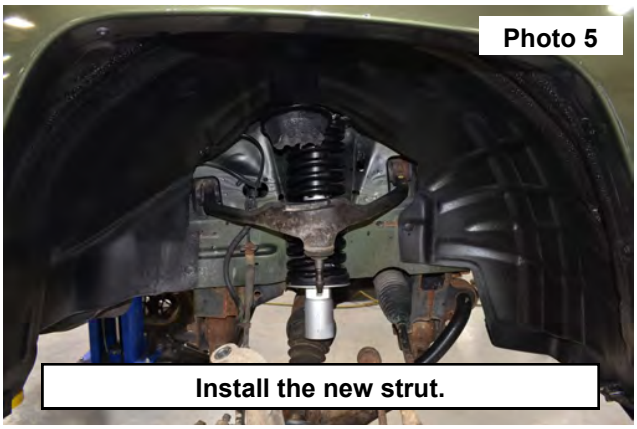


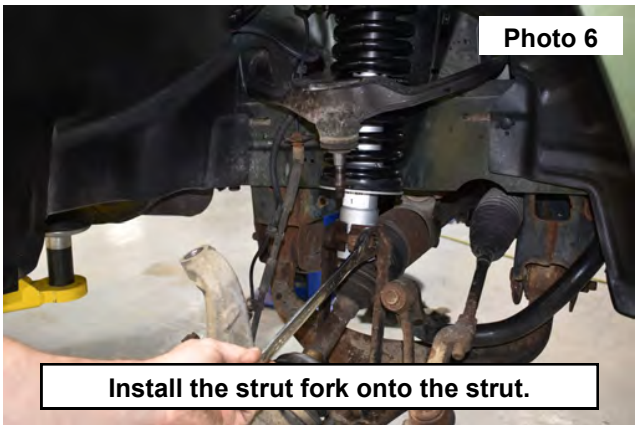
8. Remove the upper strut fork clamp bolt using an 18mm socket. Remove the strut fork from the vehicle. **See Photo 3.**
9. Remove the (4) upper strut nuts and remove the strut from the vehicle. **See Photo 4.**



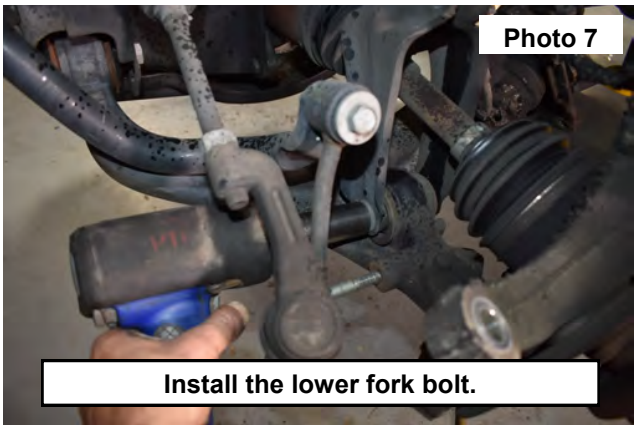


10. Install the new strut into the upper strut mount, secure using (4) of the supplied nuts. **See Photo 5.**
11. Install the strut fork on the lower strut and place the bolt in the clamp. Tighten using a 18mm socket. **See Photo 6.**



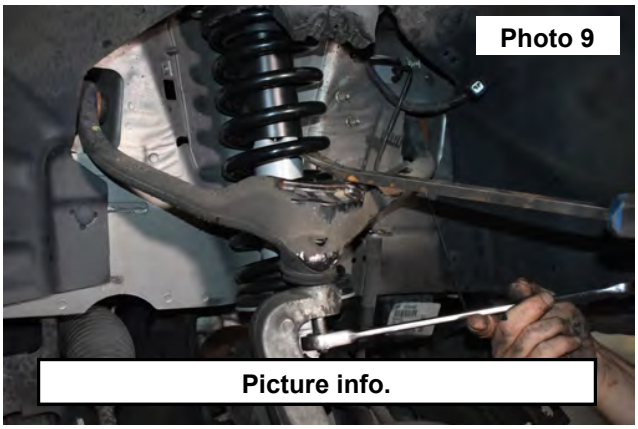


12. Place the lower fork bolt into the control arm. **See Photo 7.**
13. Tighten the upper strut hardware using a 14mm socket. **See Photo 8.**





14. Connect the upper ball joint to the knuckle. Tighten using an 18mm socket. **See Photo 9.**
15. Connect the tie rod end to the knuckle.
16. Connect the sway link to the lower control arm.



17. Install the wheels and tires. Use a jack to lift the front of the vehicle up and remove the jack stands. Then lower onto the ground.
18. When the vehicle is on the ground tighten the lower strut fork bolt on the control arm using a 18mm socket.

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