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Rough Country 10643 Installation Instructions

Hood Struts for Jeep Wrangler and Wrangler Unlimited (2007-2017)

Part number: 10643

trailfortress.com/hood-struts-jeep-wrangler-and-wrangler-unlimited-rough-country-10643

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

921106430

JEEP 2007-18 JK Hood Assist

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:
Driver Hood Assist Bracket x1
Pass Hood Assist Bracket x1
Gas Cylinders x2

TOOLS NEEDED:
10mm Wrench or Socket
13mm Wrench or Socket

HARDWARE INCLUDED:
Ball Studs x4
5/16-18 Top Lock Nut x2
5/16 Flat Washer x2
5/16-18 Nutsert x2

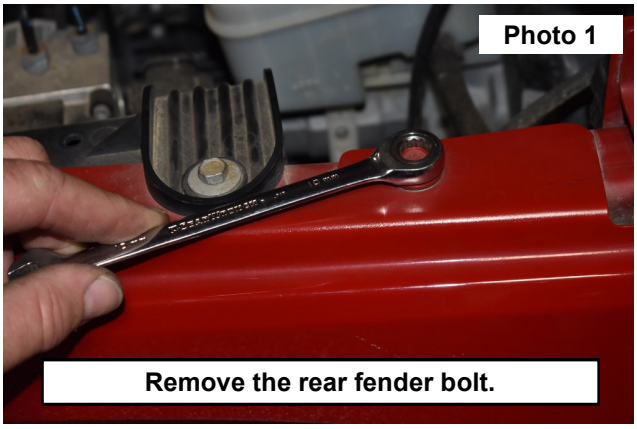


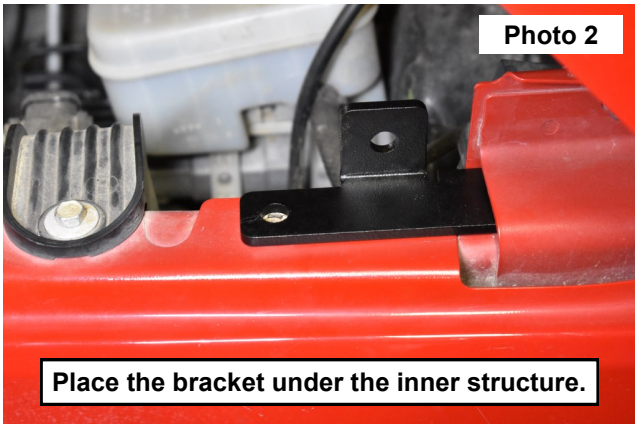
Torque Specs:

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

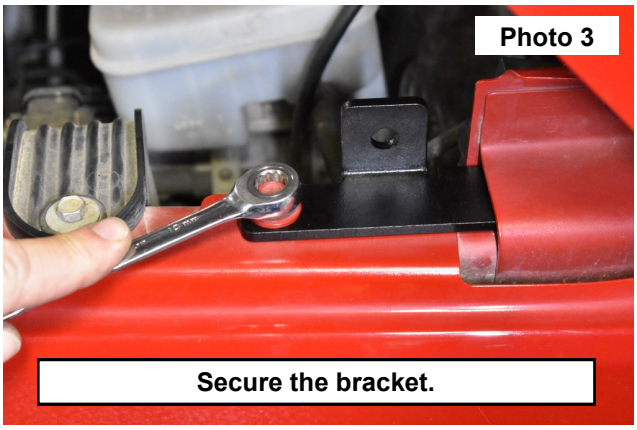
INSTALLATION INSTRUCTONS

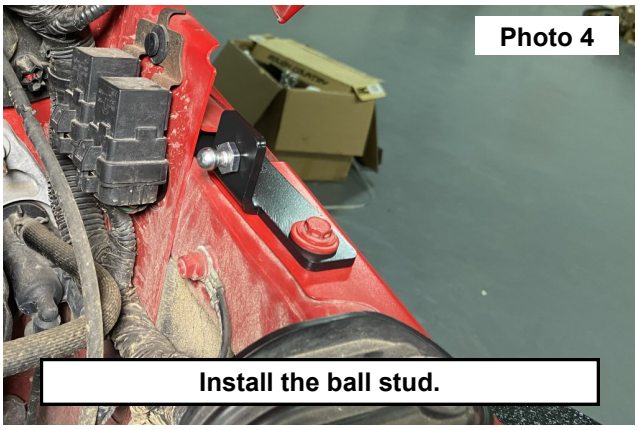
1. Remove the rear fender bolt using a 10mm wrench. Retain hardware for reuse. **See Photo 1.**
2. Select the lower strut mount bracket with the tab to the engine side of the vehicle. Then place the bracket under the inner structure of the vehicle and align the mounting hole in the bracket. **See Photo 2.**



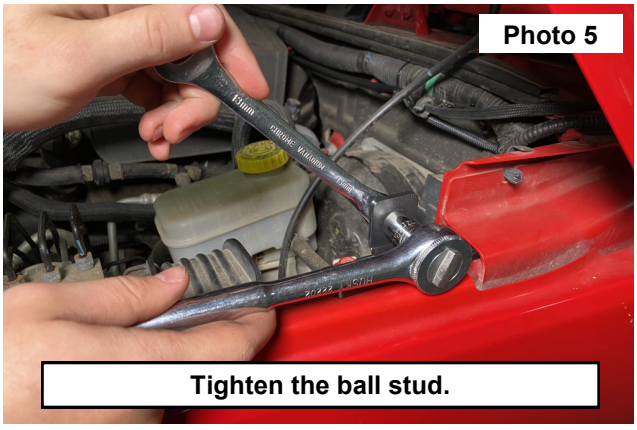


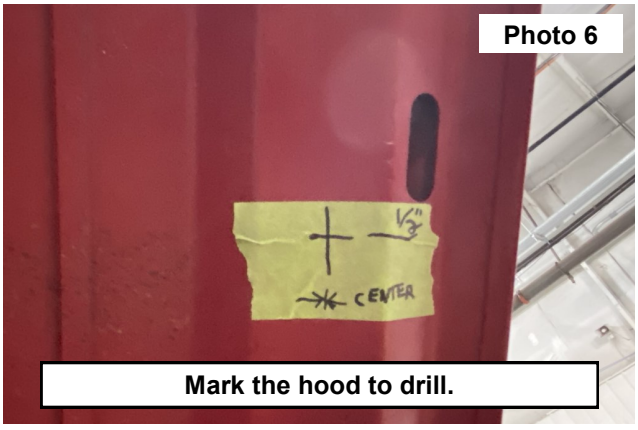
3. Secure the bracket using the retained bolt. Tighten using a 10mm wrench. **See Photo 3.**
4. Place the ball stud to the engine side of the bracket and secure using (1) of the supplied 5/16 nuts. **See Photo 4.**





5. Tighten the ball stud using a 13mm socket and wrench. **See Photo 5.**
6. Place tape onto the bottom of the hood below the slot.
7. Measure 1/2” below the slot. Using a permeant marker, place a line across the tape.
8. Find the center in-between the body lines of the hood. Using a permeant marker, place a line center of the body lines. (for steps 6,7,8.) **See Photo 6.**





9. Use Caution when drilling through the bottom layer of the hood. Do not puncture the outer hood skin of the vehicle. Use a step bit to open the hole to 1/2". Then finish opening the hole using a 17/32 bit. **See Photo 7.**
10. Remove the tape from the hood.
11. Install the supplied nutsert into the hole using a nutsert installation tool. **See Photo 8.**



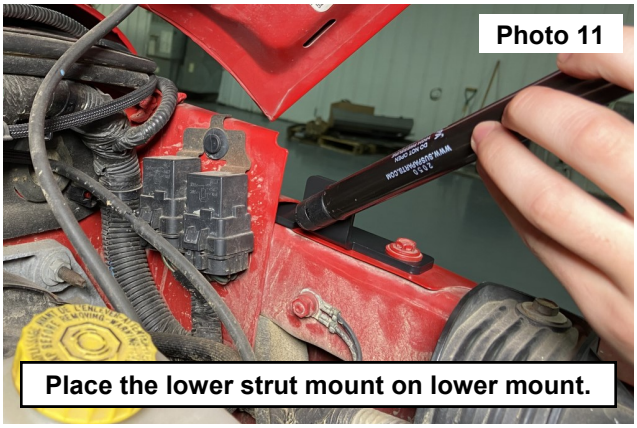


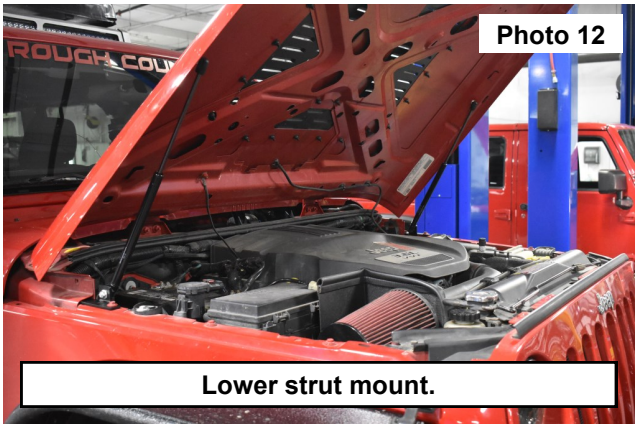
12. Install the ball stud and 5/16 flat washer into the nutsert in the hood and tighten using a 13mm wrench. **See Photo 9.**
13. Place the hood strut onto the upper ball stud. **See Photo 10.**

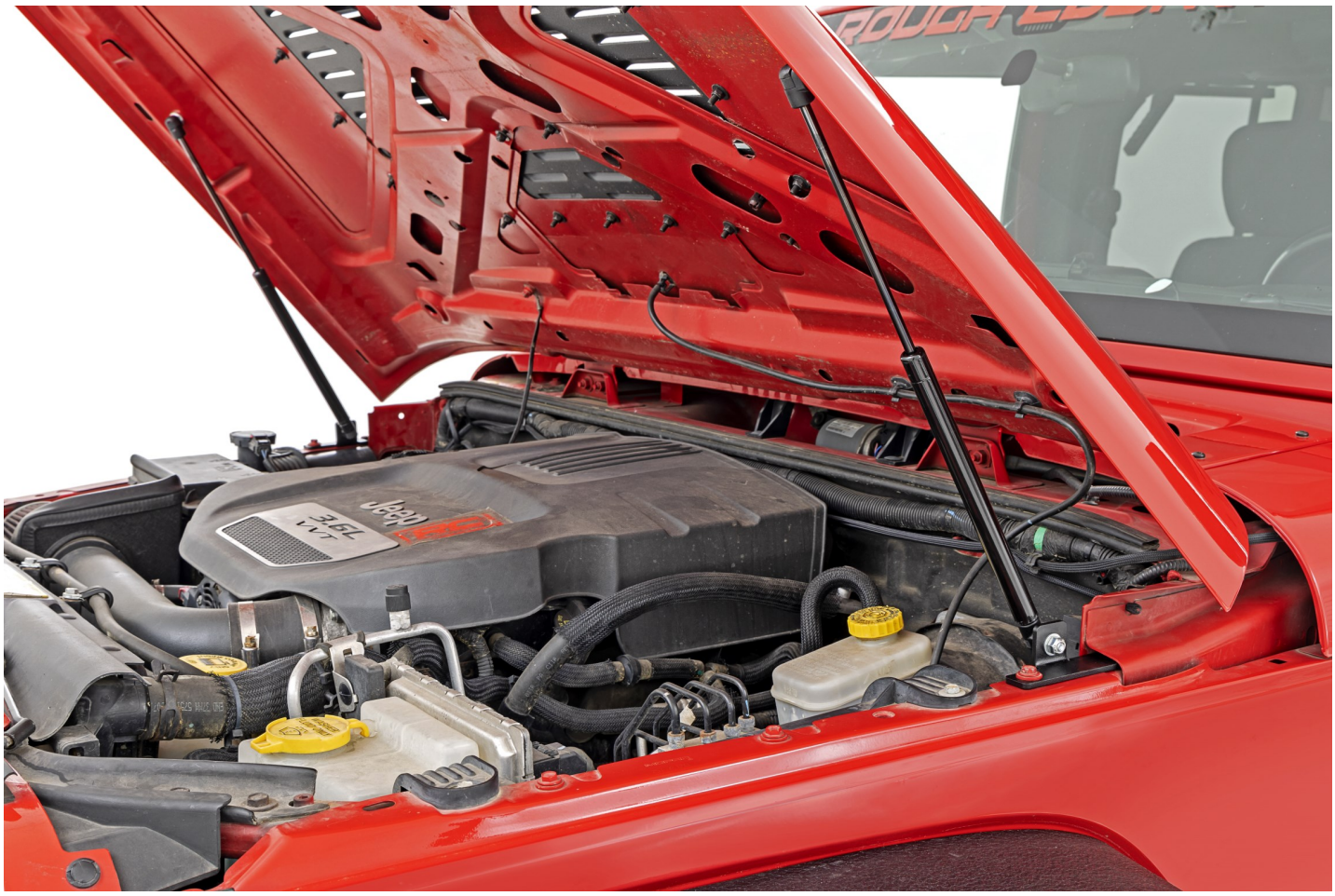




14. Repeat steps 1-13 on the opposite side of the vehicle.
15. Support the hood off of the hood prop, lower the hood and connect the bottom strut mount onto the bottom ball stud mount. **See Photos 11 and 12.**







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