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Rough Country 501115 Installation Instructions

Loaded Strut Pair for 2017–2023 GMC Acadia 4WD and FWD

Part number: 501115

trailfortress.com/rough-country-loaded-strut-pair-501115

Scan for fitment, price and install help

921501115

GMC 2018-20 Acadia 2” Front 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” Loaded Front Strut x2

TOOLS NEEDED:
12mm Wrench or Socket
13mm Wrench or Socket
18mm Wrench or Socket
22mm Wrench or Socket

HARDWARE INCLUDED:
Upper Strut Bolts x4

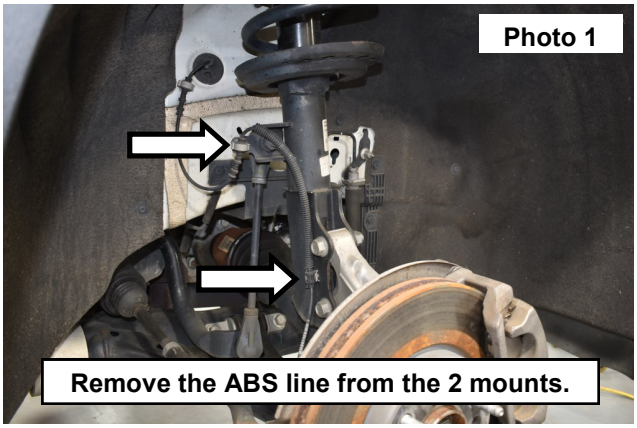


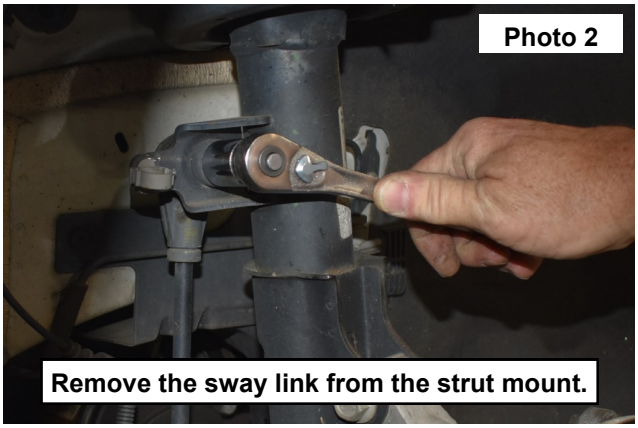
Torque Specs:

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

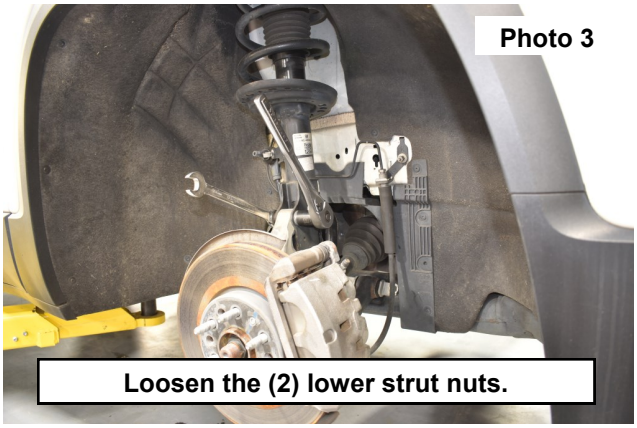
INSTALLATION INSTRUCTONS

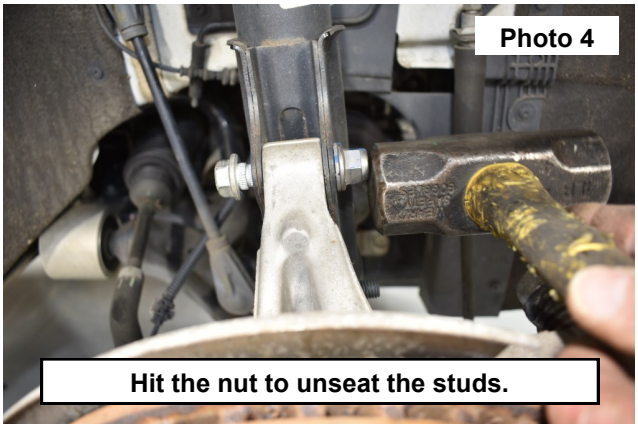
1. Lift the front of the vehicle up using a jack . Place jack stands under the frame and lower the vehicle.
2. Remove the front wheels and tires.
3. Remove the ABS line from the (2) clips on the upper sway link mount and the lower strut mount. **See Photo 1.**
4. Remove the sway link nut using an 18mm socket. Remove the sway link from the strut mount bracket. **See Photo 2.**



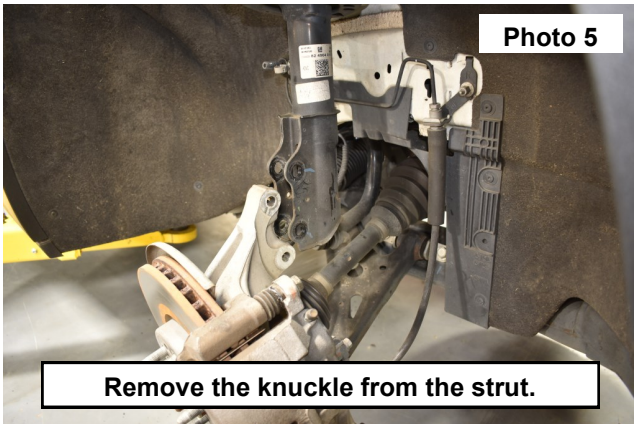


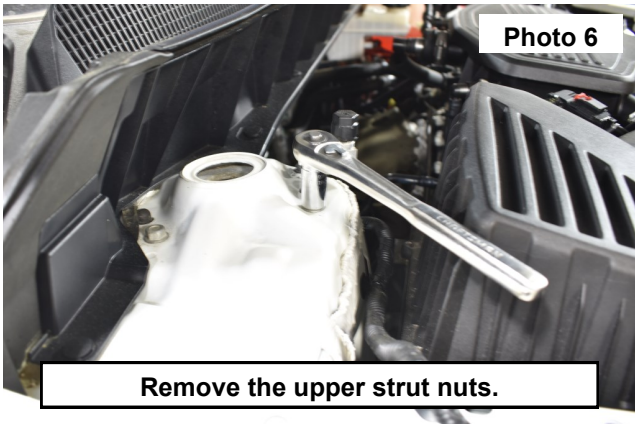
5. Loosen the (2) lower strut nuts using a 18mm wrench and socket. **See Photo 3. NOTE: Do not remove the nuts from the bolt.**
6. Support the lower control arm using a jack. Use a hammer to press the (2) studs from the knuckle and lower strut mount. Hit the nut only. **See Photo 4.**





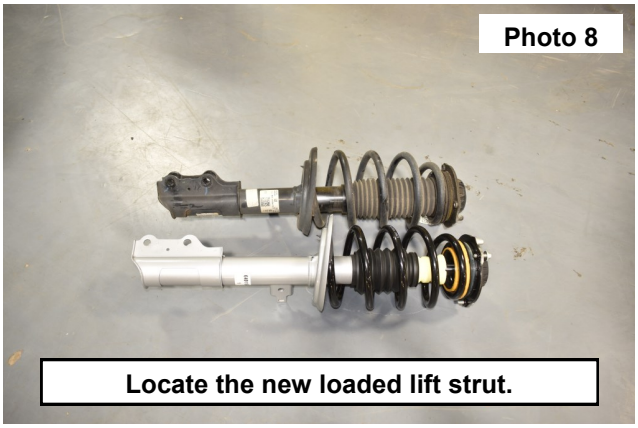
7. Lower the jack and remove the knuckle from the strut. **See Photo 5.**
8. Support the strut and remove the (2) upper strut bolts using a 13mm socket. **See Photo 6.**



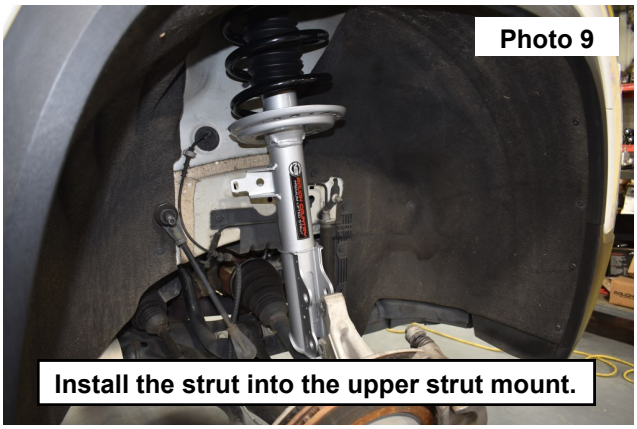


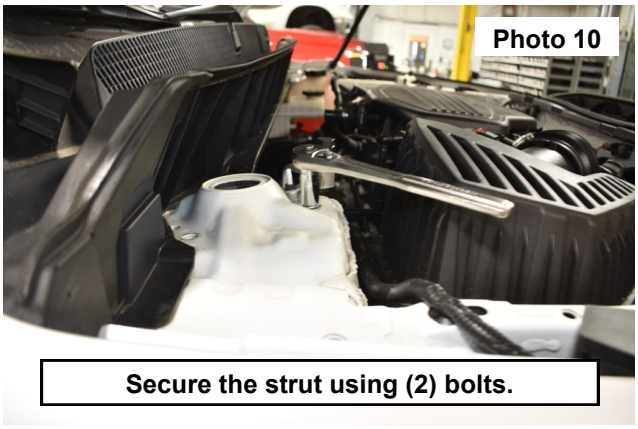
9. Remove the strut from the vehicle. **See Photo 7.**
10. Locate the new loaded lift strut. **See Photo 8.**



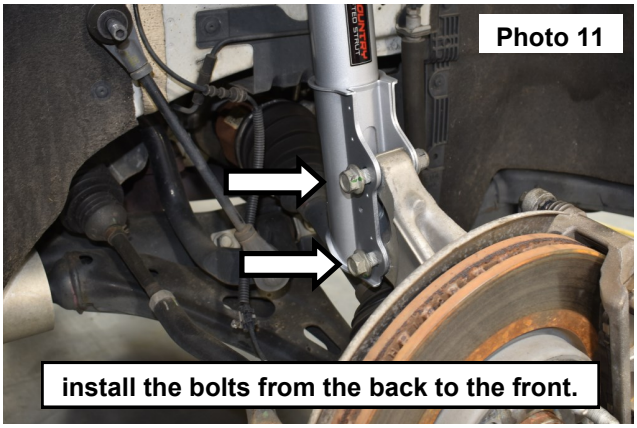


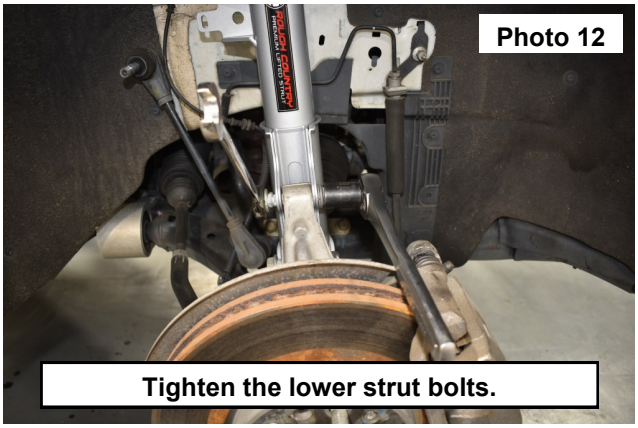
11. Install the strut into the upper strut mount of the vehicle. **See Photo 9.**
12. Secure the strut using (2) of the supplied bolts. Hand tighten the bolts only at this time. **See Photo 10.**



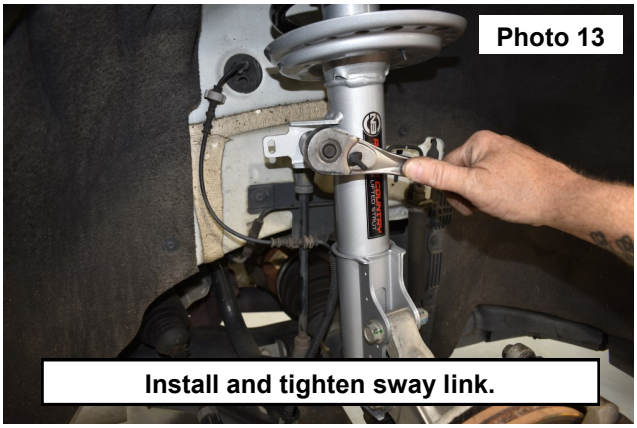


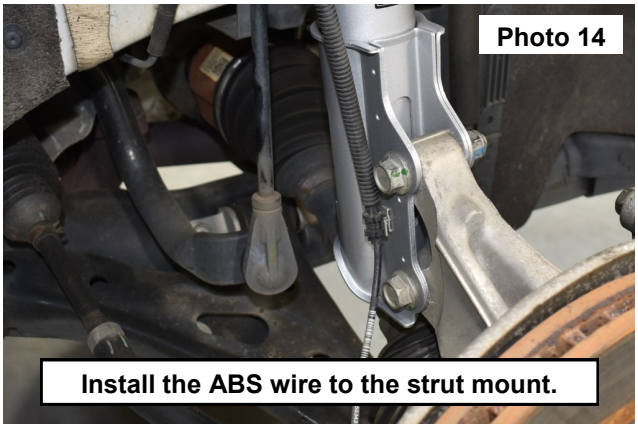
13. Raise the control arm up and place the knuckle into the lower strut mount using the jack. Secure the strut using the OE hardware. Install the bolts from the back to the front. **See Photo 11.**
14. Tighten the (2) lower strut bolt and nut using a 18mm wrench and socket. Seat the splines of the bolt into the strut. **See Photo 12.**



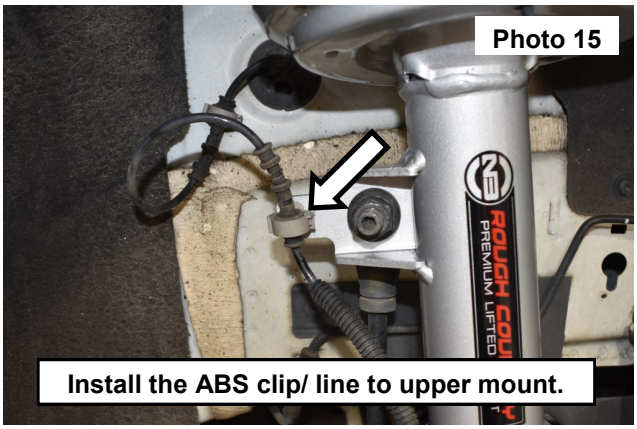


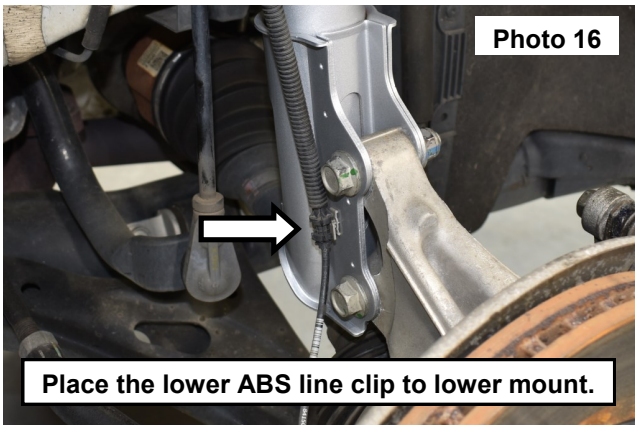
15. Place the sway link into the strut mount. Secure using the OE nut and tighten using an 18mm socket. **See Photo 13.**
16. Place the ABS wire into the lower strut mount. **See Photo 14.**



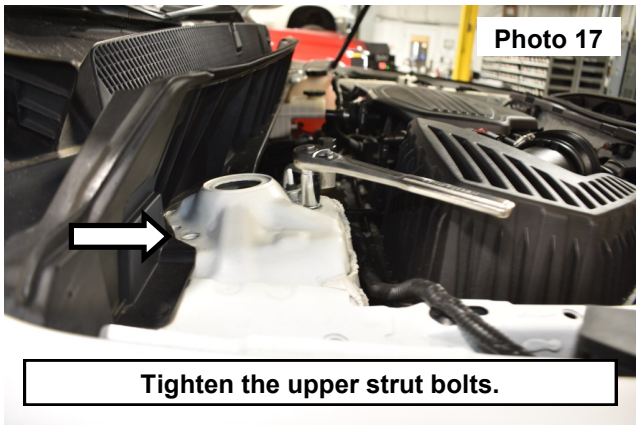


17. Remove the upper ABS line clip from the OE strut. Install the clip into the upper sway link mount and secure the ABS line in the clip. **See Photo 15.**
18. Place the lower ABS line into the lower strut mount. **See Photo 16.**





19. Tighten the upper strut bolts using a 12mm socket. **See Photo 17.**
20. Install the wheels and tires on the front of the vehicle.
21. Using a jack, lift the front of the vehicle and remove the jack stands and lower the vehicle onto the ground.



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