Rough Country 400031 Installation Instructions

2-Inch Lift Kit with N3 Struts for 2011–2019 Ford Explorer AWD

Part number: 400031

trailfortress.com/rough-country-2-inch-lift-strut-kit-400031

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

921400031

FORD 2011-19 Explorer 2” Kit

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 Struts x2
Rear Coil Springs x2
Rear Shocks x2

TOOLS NEEDED:
14mm Socket
18mm Wrench and Socket
21mm Wrench and Socket
Floor Jacks
Jack

HARDWARE INCLUDED:
Upper Strut Nuts x8



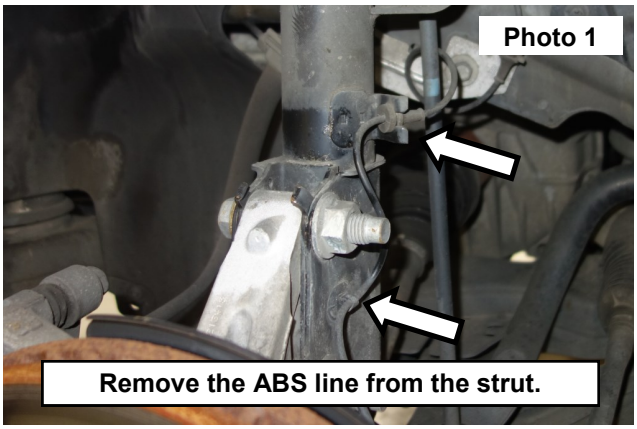
Torque Specs:

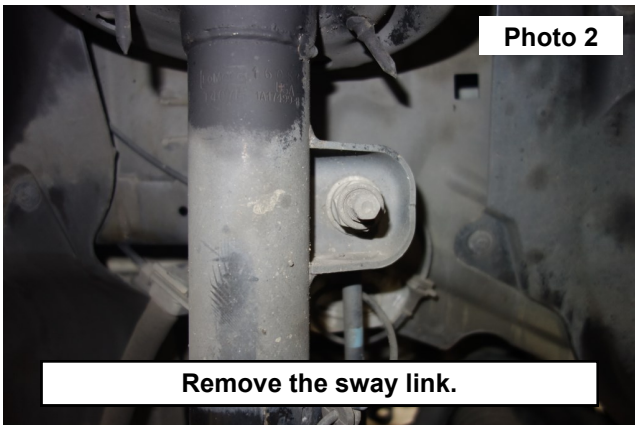
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

RC ROUGH COUNTRY

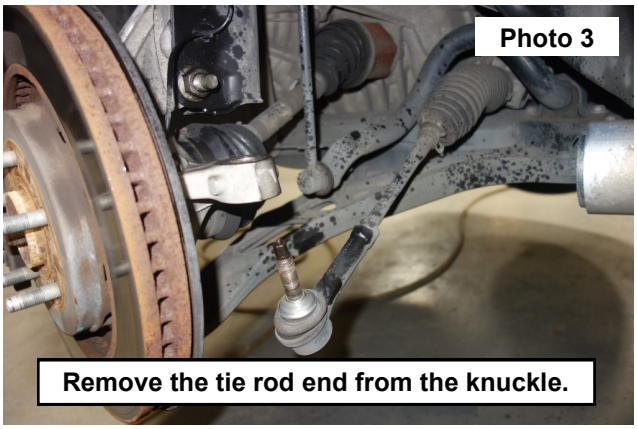
FRONT INSTALLATION INSTRUCTONS

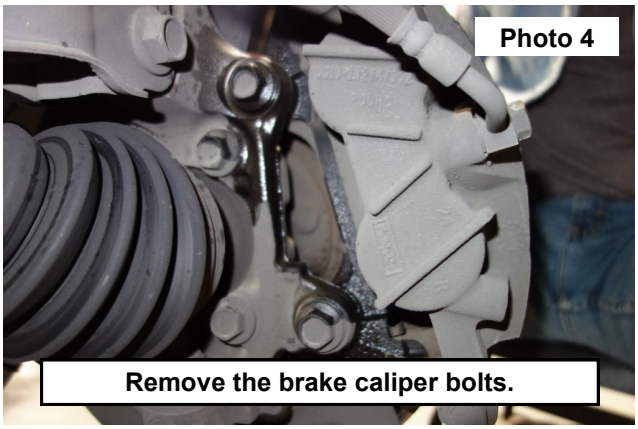
1. Using a jack lift the front of the vehicle up. Then place jack stands under the frame of the vehicle and lower the jack.
2. Remove the ABS line from the (2) strut mount locations. **See Photo 1.**
3. Remove the sway link from the strut mount using an 18mm socket. **See Photo 2.**





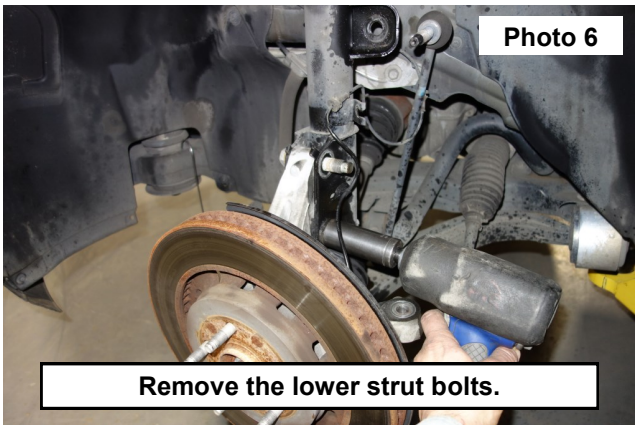
4. Loosen the tie rod nut using a 18mm socket. Then unseat the taper using a hammer to strike the tie rod end boss on the knuckle. Remove the nut and the tie rod end from the knuckle. **See Photo 3.**
5. Remove the (2) brake caliper bolts using a 18mm socket. **See Photo 4.**



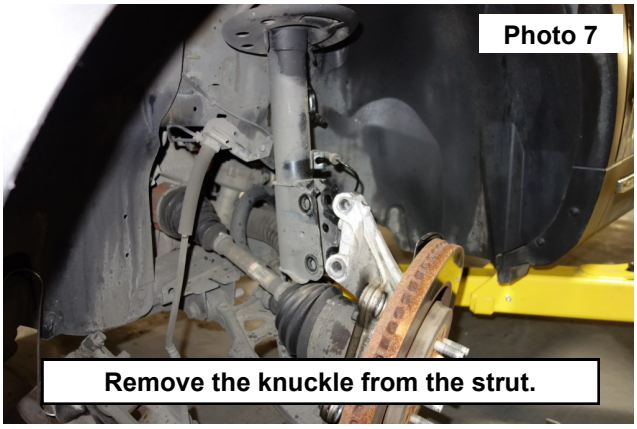


6. Remove the caliper from the knuckle and hang using a steel hook in a safe location. **See Photo 5.**
7. Support the lower control arm. Then remove the (2) lower strut bolts using a 21mm socket and wrench. **See Photo 6.**



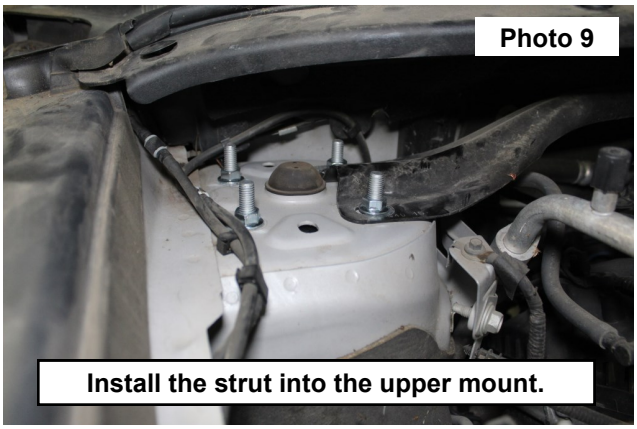


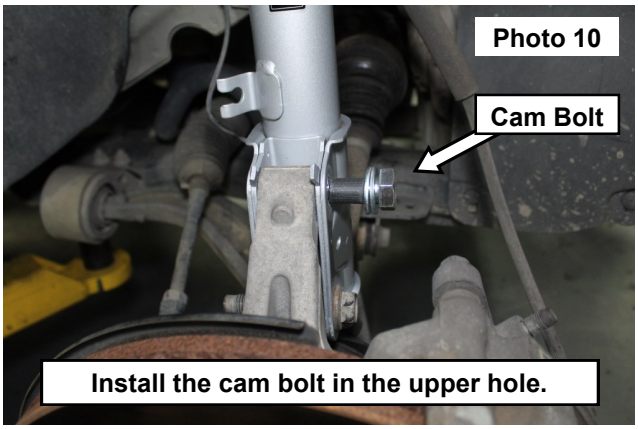
8. Lower the jack and remove the knuckle from the strut. **See Photo 7.**
9. Remove the (4) upper strut mount nuts and remove the strut from the vehicle using a 14mm socket. **See Photo 8.**



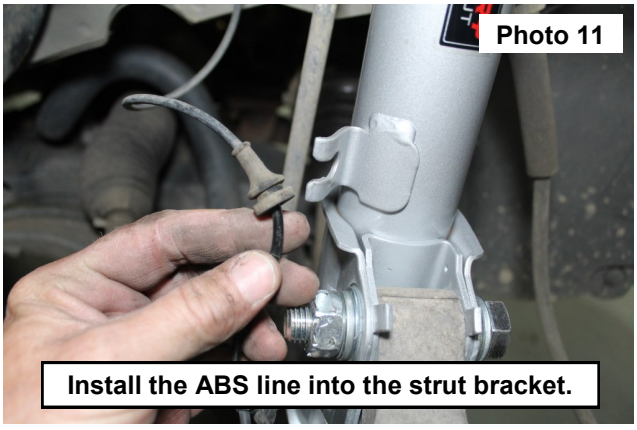


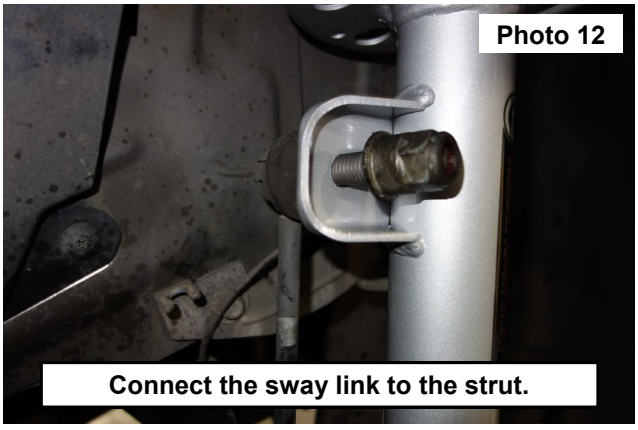
10. Install the strut into the upper mount and secure using the (4) supplied nuts with each strut. **See Photo 9.**
11. Connect the knuckle to the strut using the OE bolt in the lower mounting hole and (1) of the supplied Cam Bolts into the upper mounting hole. ***NOTE:*** Installation of the cam bolt. For positive camber change, flats of both washers should face the wheel. For negative camber change, both flats should face away from the wheel. Make sure the indexing feature of both washers are seated properly in the knuckle. **See Photo 10.**



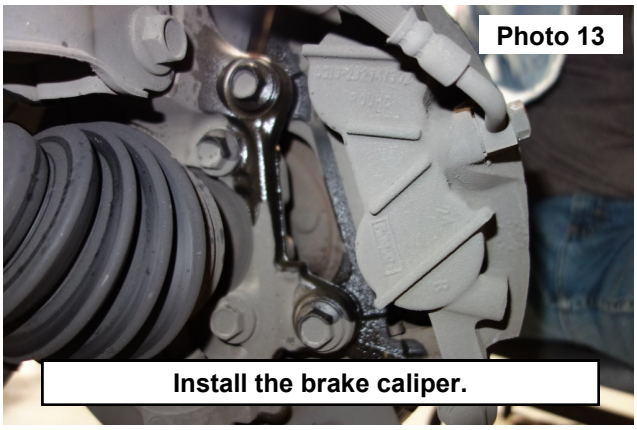


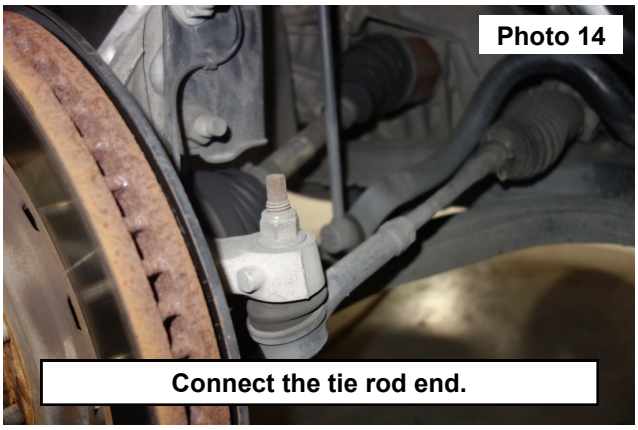
12. Install the ABS line into the strut bracket and the clip into the lower hole. **See Photo 11.**
13. Connect the sway link into the strut mount. Tighten using a 18mm socket. **See Photo 12.**





14. Install the brake caliper and secure using the (2) OE bolts and tighten using a 18mm socket. **See Photo 13.**
15. Connect the tie rod end to the knuckle, use the OE nut to secure and tighten using a 18mm wrench. **See Photo 14.**





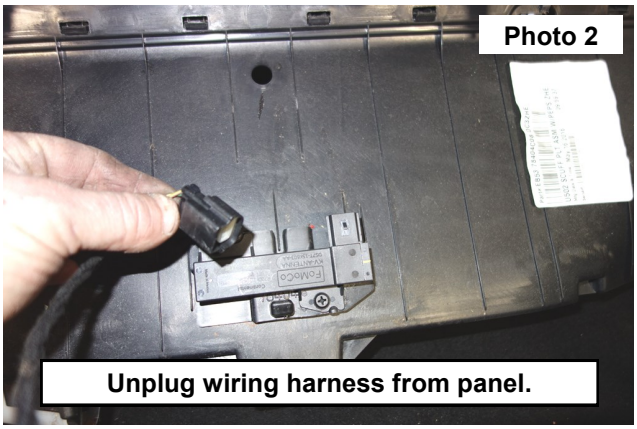
16. Install the wheels and tires.
17. Using a jack lift the vehicle up and remove the jack stands and lower onto the ground.



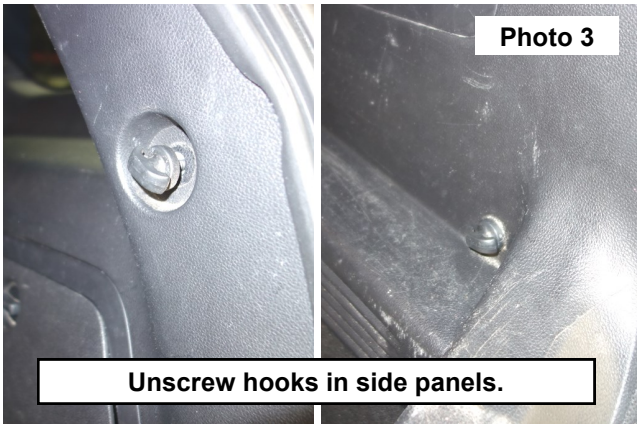
REAR INSTALLATION INSTRUCTONS

1. Jack up the rear of the vehicle and place on jack stands. Remove the rear wheels.
2. Remove the rear interior panel. **See Photo 1.**
3. Unplug the wiring harness from panel and set panel aside. **See Photo 2.**



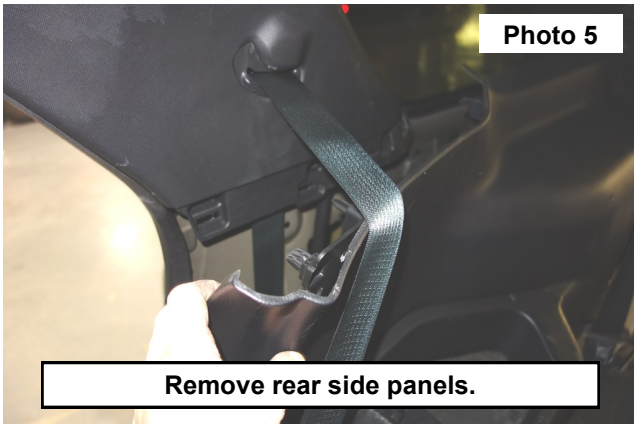


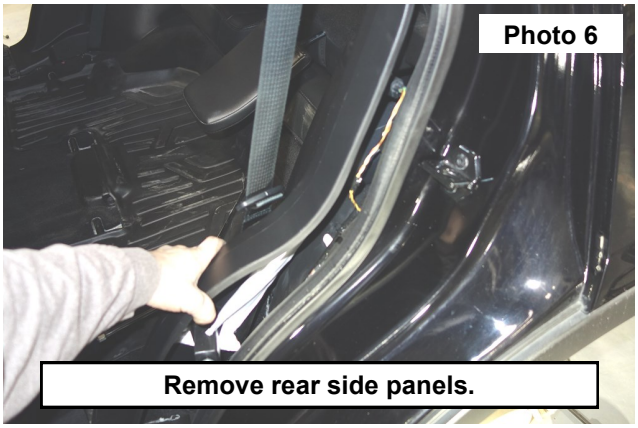
4. Unscrew the hooks in the interior side panels. **See Photo 3.**
5. Remove the Dr and Pass side rear scuff plates. **See Photo 4.**



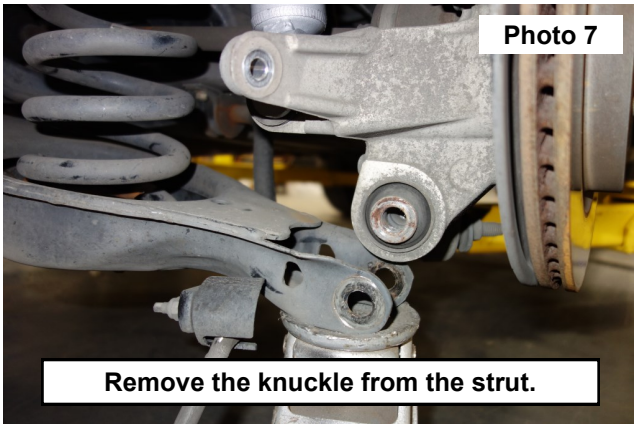


6. Remove the Dr and Pass rear side panels. **See Photo 5** and **Photo 6.**



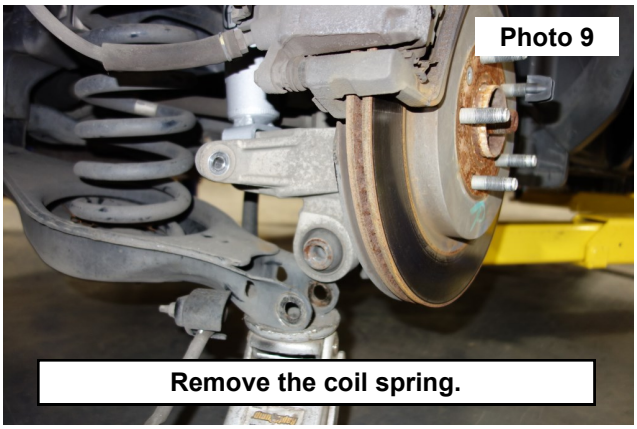


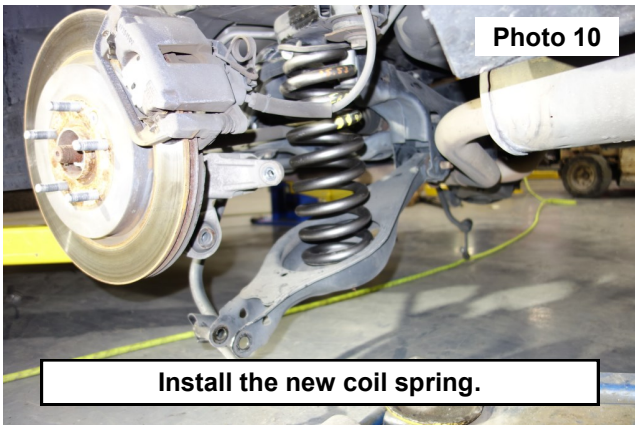
7. Remove the bolts from the knuckle to the lower control arm, sway bar link, and shock using an 18mm socket. **See Photo 7.**
8. Remove the upper shock nut from inside the vehicle using a 15mm socket. Then remove the shock. **See Photo 8.**



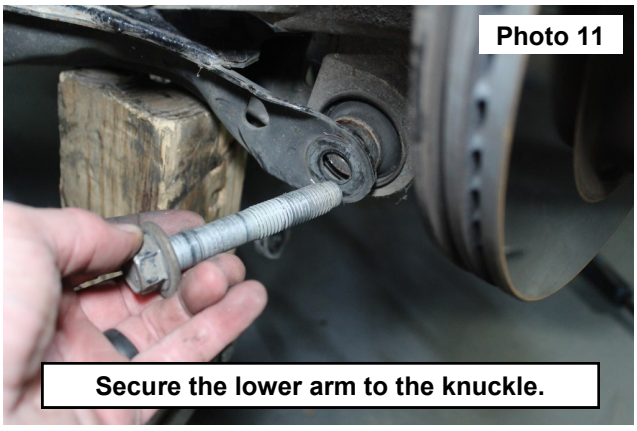


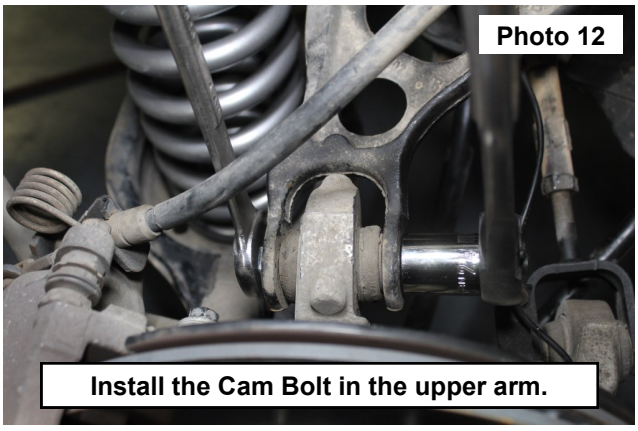
9. Lower the control arm and remove the OE coil spring. **See Photo 9.**
10. Install the new rear coil spring into the lower control arm. **See Photo 10.**



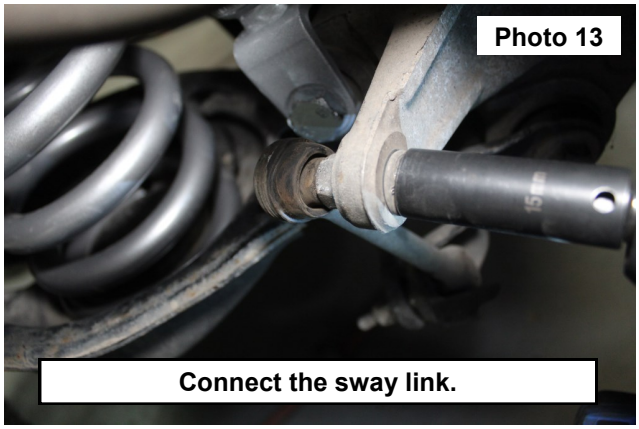


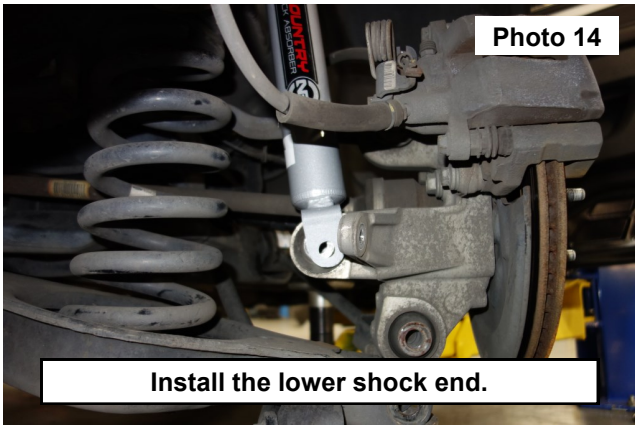
11. Secure the lower arm to the knuckle using the retained OE bolt. **See Photo 11.**
12. Install the Cam Bolt into the upper arm and knuckle. ***NOTE:*** Installation of the cam bolt. For positive camber change, flats of both washers should face the wheel. For negative camber change, both flats should face away from the wheel. Make sure the indexing feature of both washers are seated properly in the knuckle. **See Photo 12.**





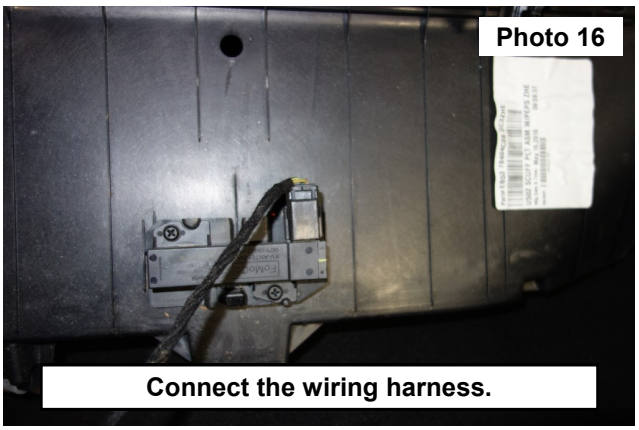
13. Connect the sway link to the knuckle using the retained hardware. Tighten using a 15mm socket. **See Photo 13.**
14. Install the new RC shock to the lower knuckle mount using the retained hardware. **See Photo 14.**





15. Secure the top of the shock to the vehicle using the supplied washers and bushings. Tighten the nut using a 17mm socket. **See Photo 15.**
16. Connect the wiring harness and install the interior back into the vehicle. **See Photo 16.**





17. Install the rear quarter panel. **See Photo 17.**
18. Replace the shock cover. **See Photo 18.**





By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable, State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.