Rough Country 110602 Installation Instructions

Control Arm Relocation Kit for Jeep Wrangler (2018-2025)

Part number: 110602

trailfortress.com/control-arm-relocation-kit-jeep-wrangler-and-gladiator-rough-country-110602

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

JEEP JL/JLU & JT 3.5” FRONT CONTROL ARM RELOCATION KIT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician install this kit. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this product without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered. If question exist we will be happy to answer any questions concerning the design, function, and correct use of our products by calling 1-800-222-7023.

IMPORTANT NOTE : Upon completing the install of this kit the draglink must be adjusted to center the steering wheel BEFORE the vehicle is driven. Failure to do so will cause a computer error, odd handling, and poor performance.

NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a “Warning to Driver” decal installed on the inside of the windshield or on the vehicle’s dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics.

INSTALLING DEALER - it is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

Tools Needed:

Jack Stands
Floor Jack
Reciprocating Saw
18mm Socket / Wrench
19mm Socket / Wrench
21mm Socket / Wrench
22mm Socket / Wrench
Torque Wrench

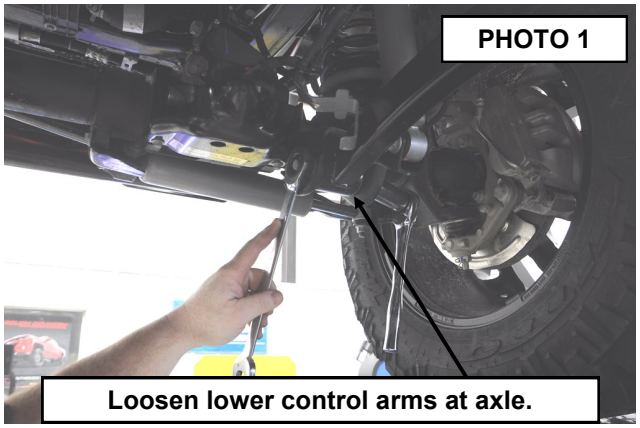
Torque Specs:

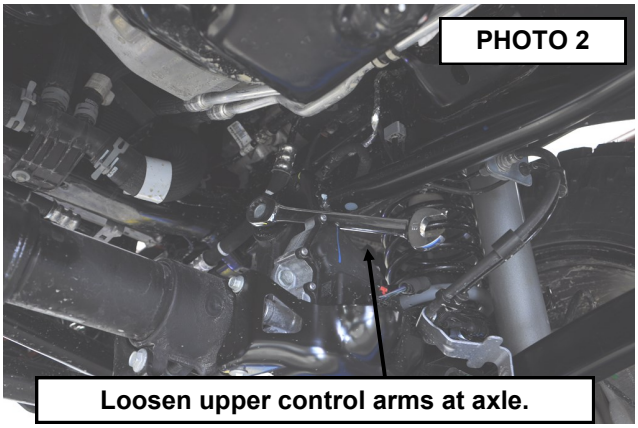
Size	Grade 5	Grade 8
5/16”	15 ft/lbs	20 ft/lbs
3/8”	30 ft/lbs	35 ft/lbs
7/16”	45 ft/lbs	60 ft/lbs
1/2”	65 ft/lbs	90 ft/lbs
9/16”	95 ft/lbs	130 ft/lbs
5/8”	135 ft/lbs	175 ft/lbs
3/4”	185 ft/lbs	280 ft/lbs

	Class 8.8	Class 10.9
6MM	5 ft/lbs	9 ft/lbs
8MM	18ft/lbs	23 ft/lbs
10MM	32ft/lbs	45ft/lbs
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs
16MM	130ft/lbs	165ft/lbs
18MM	170ft/lbs	240ft/lbs

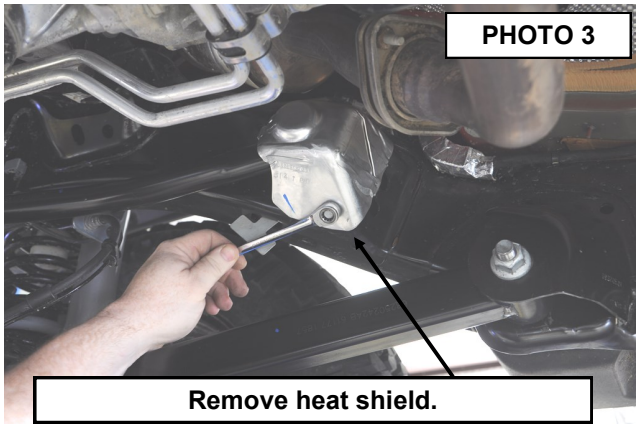
INSTALLATION INSTRUCTIONS

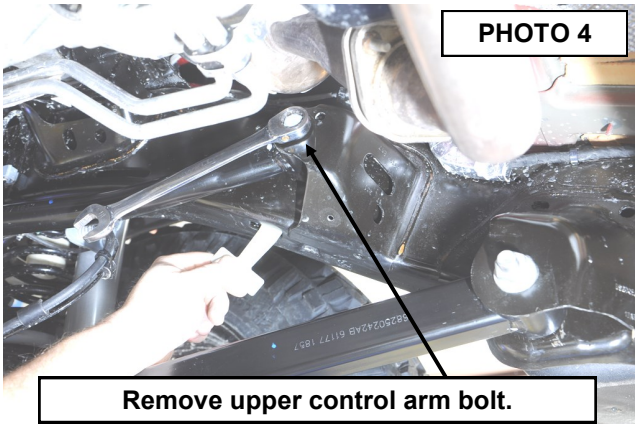
1. Chock the rear wheels.
2. Unplug the 4x4 actuator on the front axle.
3. Jack up the front of the vehicle and support with jack stands on the frame just rearward of the lower control arm mounts.
4. Place a jack under the axle and lightly support the weigh of the axle.
5. Steps 6– 17 should be performed on one side at a time.
6. Loosen the lower control arm axle bolts using 21mm and 24mm wrenches. **See Photo 1.**
7. Loosen the upper control arm axle bolts using 18mm wrenches. **See Photo 2.**



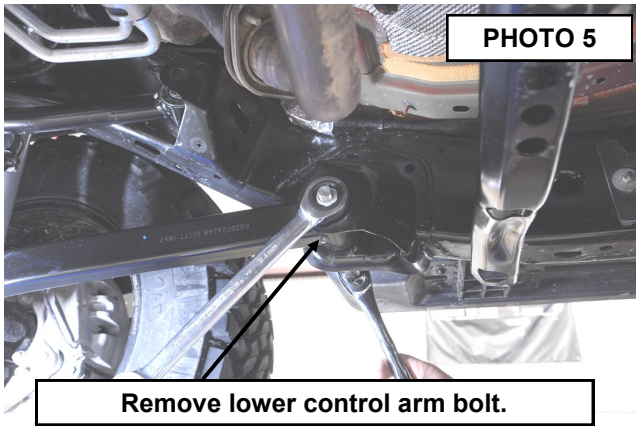


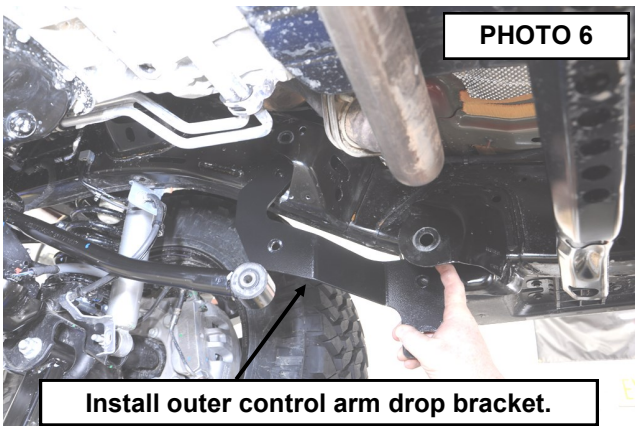
8. Remove the upper control arm heat shield bolts using a 10mm wrench. **See Photo 3.**
9. Remove the upper control arm bolt and flag nut using an 18mm wrench. Retain hardware for reuse. **See Photo 4.**



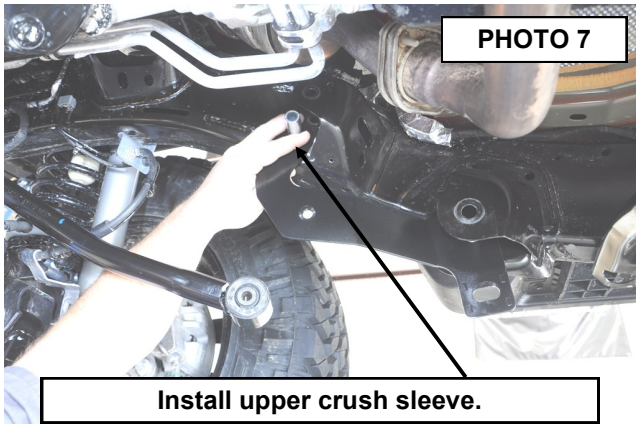


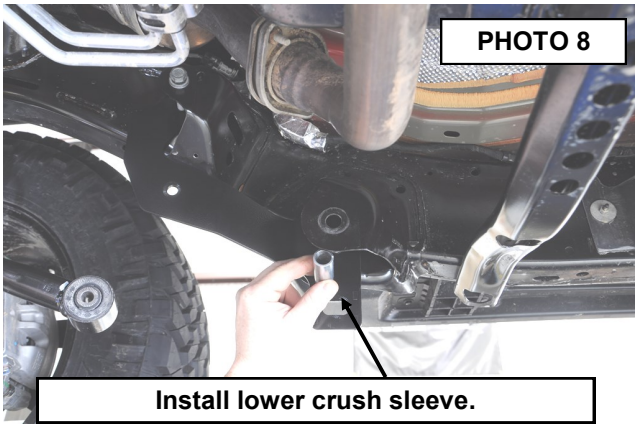
10. Remove the lower control arm bolt using 21mm and 24mm wrenches. Retain hardware for reuse. **See Photo 5.**
11. Install the outer control arm drop bracket (94004230 Dr or 94004231 Pass) into the factory control arm pocket. **See Photo 6.**



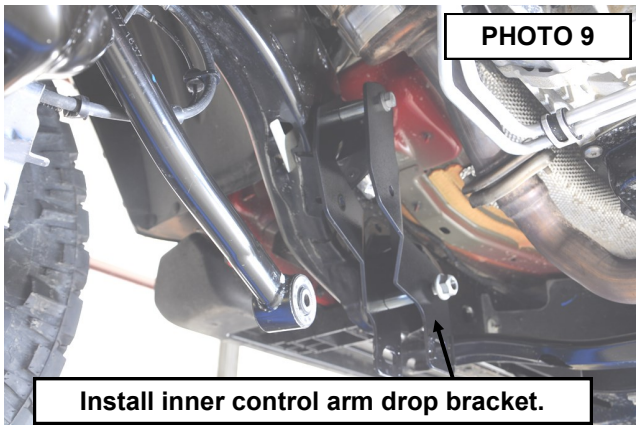


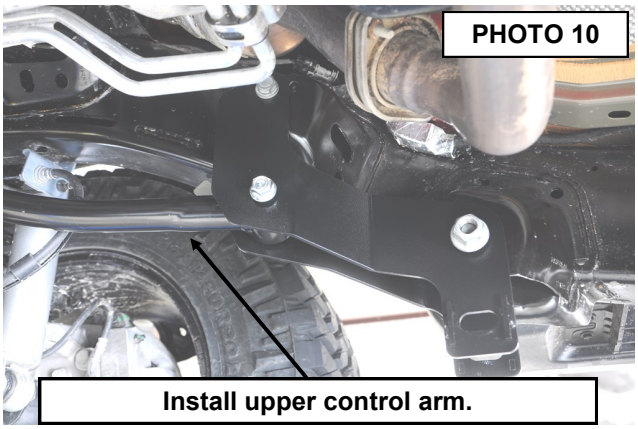
12. Install the upper 3/4” od sleeve into the upper control arm pocket. **See Photo 7.**
13. Install the lower 7/8” od sleeve into the lower control arm pocket. **See Photo 8.**



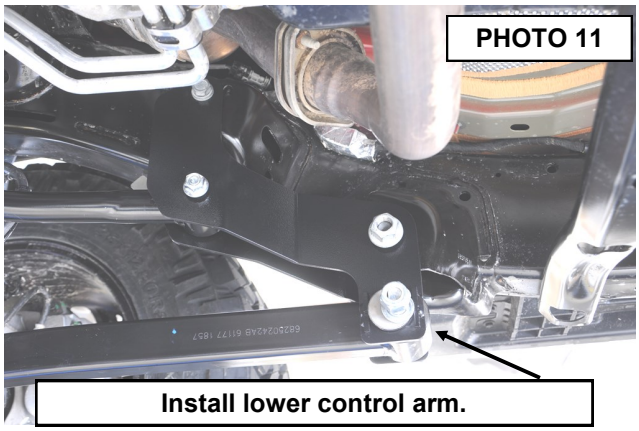


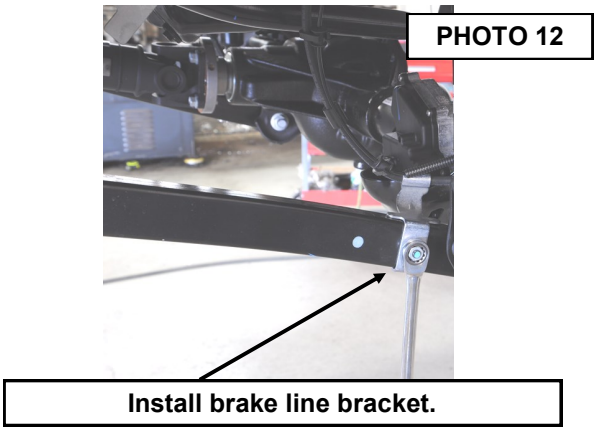
14. Install the inner control arm drop bracket (94004232 Dr or 94004233 Pass) on the outside of the control arm pockets using the factory hardware. **Do not tighten at this time. See Photo 9.**
15. Install the upper control arm in the drop bracket using the supplied 12mm x 80mm bolts, washers, and flange lock nut (65431BAG4). **Do not tighten at this time. See Photo 10.**



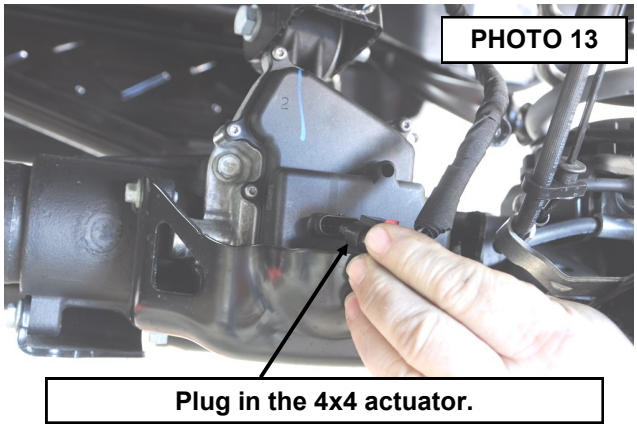


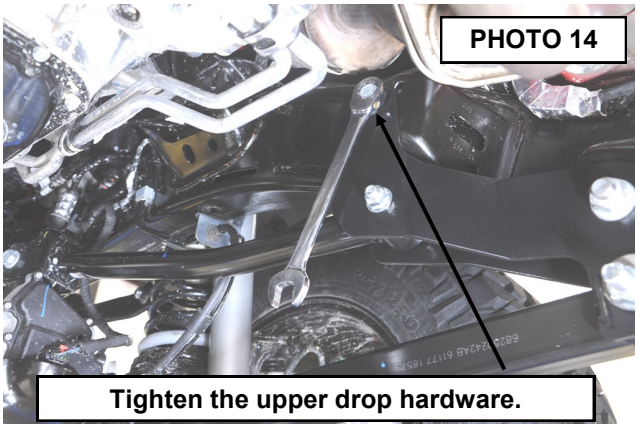
16. Install the lower control arm in the drop bracket using the supplied 16mm cam bolts, cam washers, and nylock nuts (65431BAG4). **Do not tighten at this time. See Photo 11.**
17. Install the brake line bracket on the lower control arm using the factory hardware and a 15mm wrench. **See Photo 12.**



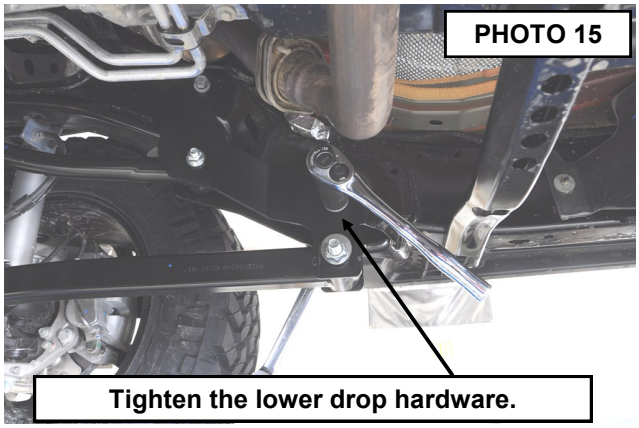


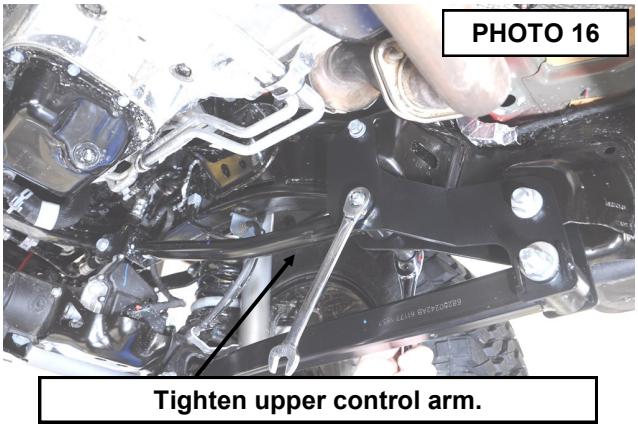
18. **Repeat process on opposite side.**
19. Clip the wiring harness into the upper control arm.
20. Plug-in the 4x4 actuator. **See Photo 13.**
21. Install the front tires/wheels, using a 22mm deep well socket.
22. Lower the vehicle to the floor.
23. Tighten the front upper drop bracket bolt using an 18mm wrench. Torque to factory specs. **See Photo 14.**



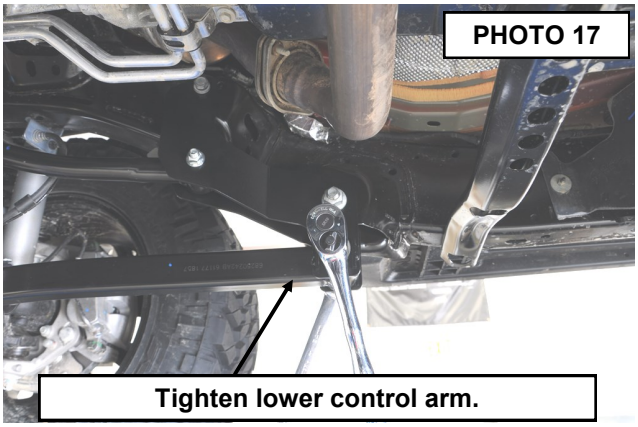


24. Tighten the rear upper drop bracket bolt using a 21mm wrench and 24mm socket. Torque to factory specs. **See Photo 15.**
25. Tighten the upper control arm on the axle using 18mm wrenches. Torque to factory specs.
26. Tighten the upper control arm in the drop bracket using an 18mm wrench and socket. Torque to 55ft/lbs. **See Photo 16.**





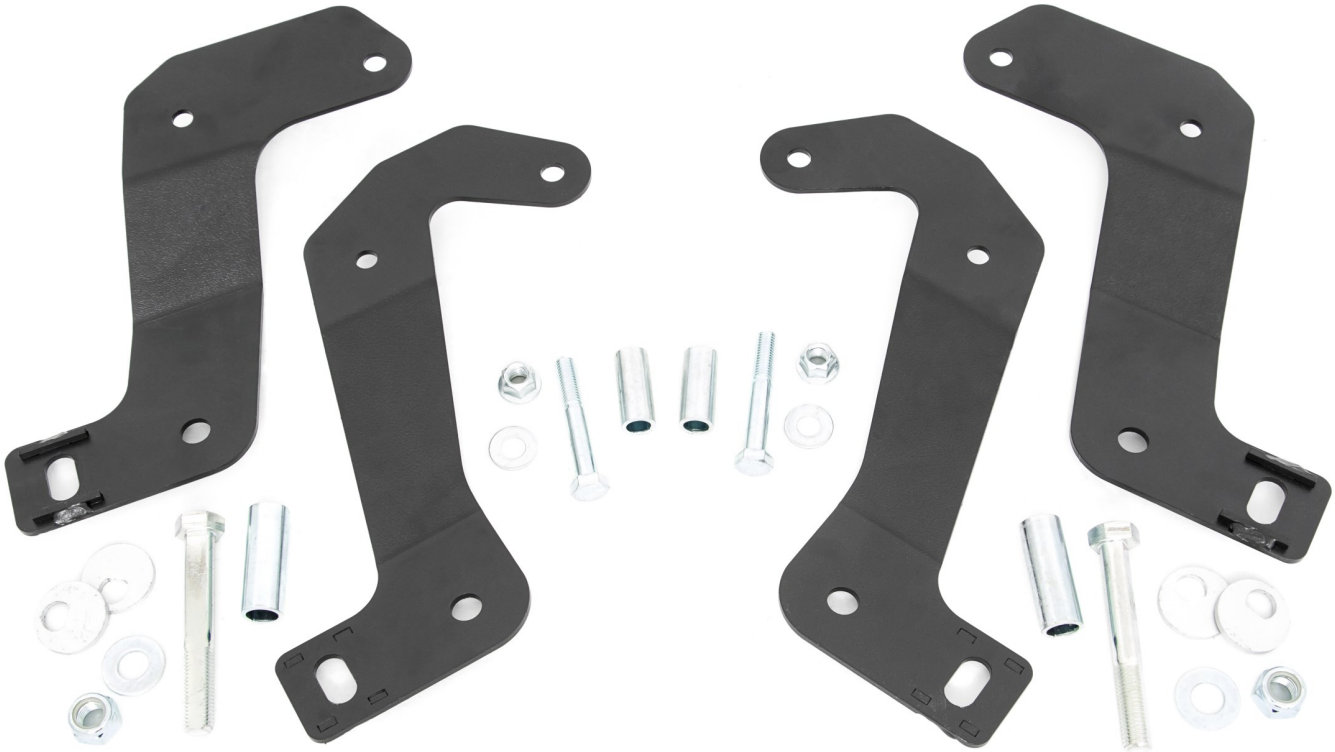
27. Tighten the lower control arm at the axle using a 21mm wrench and 24mm socket. Torque to factory specs.
28. Center the cam bolts and tighten using a 24mm wrench and 24mm socket. Torque to 165ft/lbs. **See Photo 17.**



POST INSTALLATION

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.
2. Perform steering sweep. Cycle the steering from full turn to full turn to check for clearance. Failure to perform inspections may result in component failure.
3. The draglink **must be adjusted to the center steering wheel <u>BEFORE</u> the vehicle is driven**. Failure to do so will cause a computer error with the Jeeps traction control system and result in odd handling and poor performance.
4. Using an certified alignment professional with experience in aligning lifted vehicles, get an alignment done to factory specifications.

KIT CONTENTS



Kit Contents:

- 1-Driver Side Inner Bracket
- 1-Driver Side Outer Bracket
- 1-Pass Side Inner Bracket
- 1-Pass Side Outer Bracket

65431BAG4:

- 2 - Upper Crush Sleeve
- 2 - Lower Crush Sleeve
- 2 - 12mm x 80mm Bolt
- 2 - 1/2” Flat Washer
- 2 - 12mm Flange Lock Nut
- 2 - 16mm Cam Bolt
- 4 - 16mm Cam Bolt Washer
- 2 - 16mm Lock Nut
- 2 - 5/8” Flat Washer

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.