

ROUGH COUNTRY

SUSPENSION SYSTEMS®

JEEP JL / JT HD Steering Kit and Stabilizer

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.

▲ NOTICE Factory pitman arm or OE replacement arm and the use of a 3.5"-Up track bar bracket is required for the high steer kit option. Cannot run a drop pitman arm.

Kit Contents:

Center link x1
 Drag Link x1
 Adjustment Collars x2
 Clamps x4
 35° Tie Rod End x1
 20° Tie Rod End x3
 Tapered Sleeve x1

Tools Needed:

13mm socket
 18mm Wrench
 3/4" Wrench or Socket
 1-1/4 Wrench

High Steer Option Tools

7/8" Drill Bit
 Drill Motor
 Thread Lock
 Hammer

Hardware Included:

Track Bar Stud x1
 Track Bar Nut x1
 Clamp Bolts x4
 Clamp Nuts x4
 Tie Rod Nuts x4
 Jam Nuts x4
 Washers x3



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

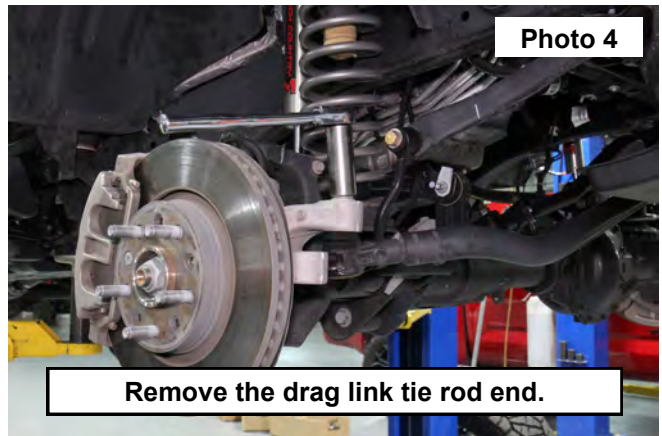
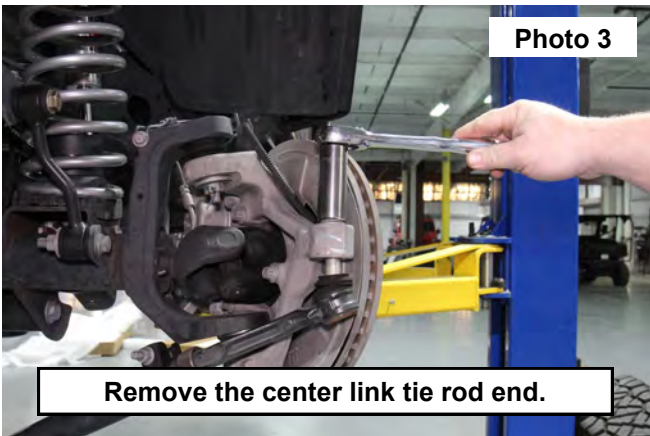


INSTALLATION INSTRUCTIONS

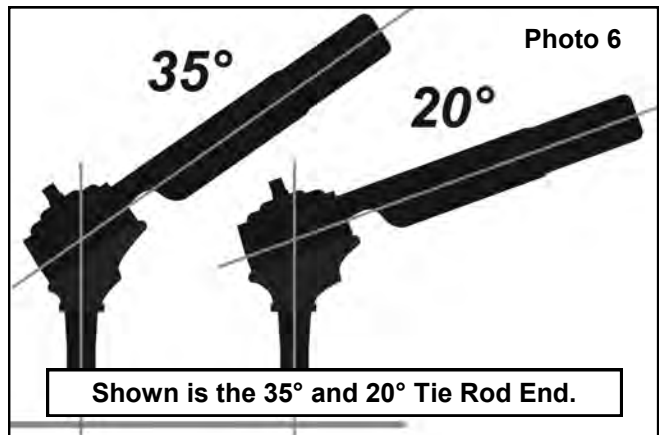
1. Lift the front of the jeep up with the tires off of the ground, Then rest the frame on jack stands.
2. Remove the wheels and tires on each side of the vehicle.
3. Record the measurement from the inside of the Right rotor to the inside of the Left rotor here _____. This will be the starting point when the HD steering cross bar has been installed. **See Photo 1.**
4. Remove the outer center link tie-rod end from the passengers side knuckle using a 21mm socket. Use a hammer to unseat the taper from the knuckle and remove the cross bar. **See Photo 2.**



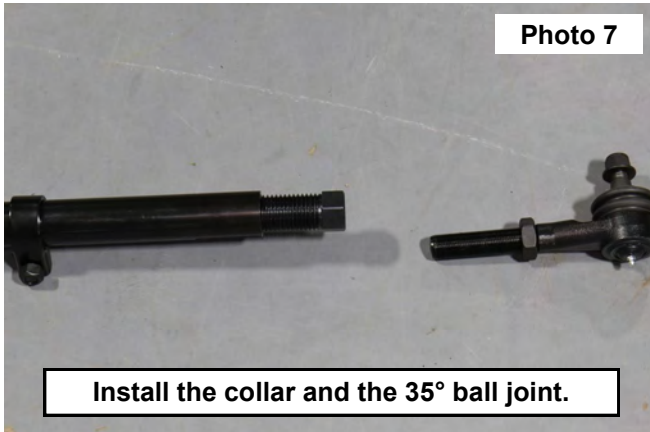
5. Remove the outer center link tie-rod end from the driver side knuckle using a 21mm socket. Use a hammer to unseat the taper from the knuckle and remove the cross bar. **See Photo 3.**
6. Remove the center link from the vehicle.
7. Remove the drag link tie rod end from the knuckle using a 21mm socket. Use a hammer to unseat the taper from the knuckle. **See Photo 4.**



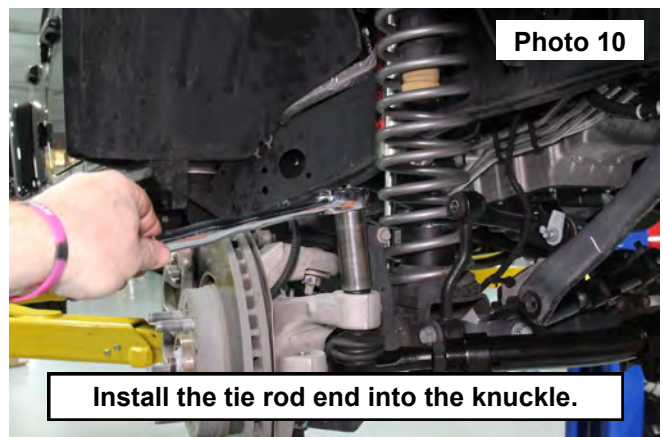
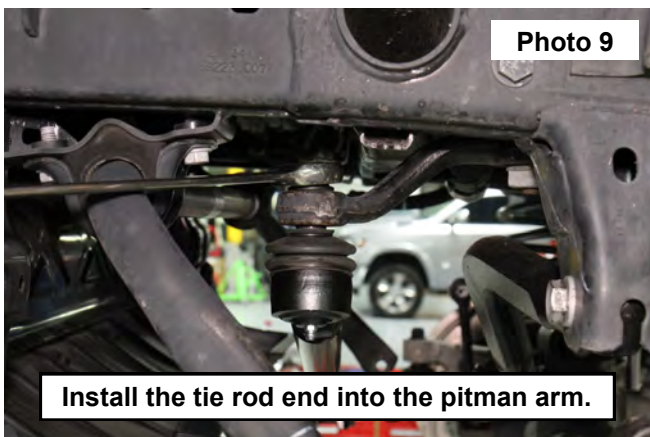
8. Remove the drag link tie rod end from the pitman arm using a 21mm wrench. Use a hammer to unseat the taper from the pitman arm, Position the pitman arm so the boss can be struck from the end. Then remove the drag link from the vehicle. Measure and record the length of the drag link from grease joint grease joint here _____. **See Photo 5.**
9. Locate the supplied 35° tie rod end. This will be used with the double adjuster at the pitman arm side of the drag link. **See Photo 6.**



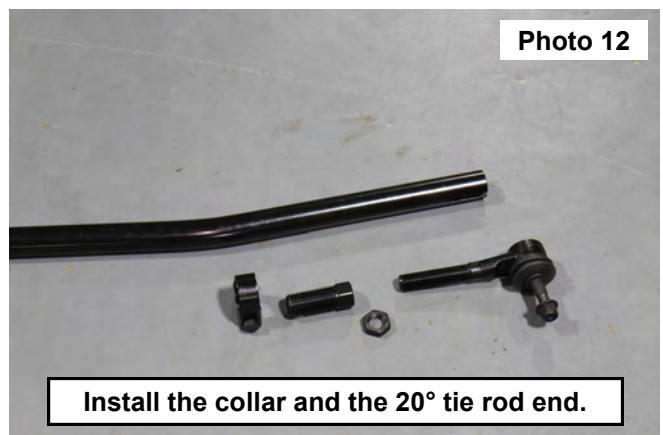
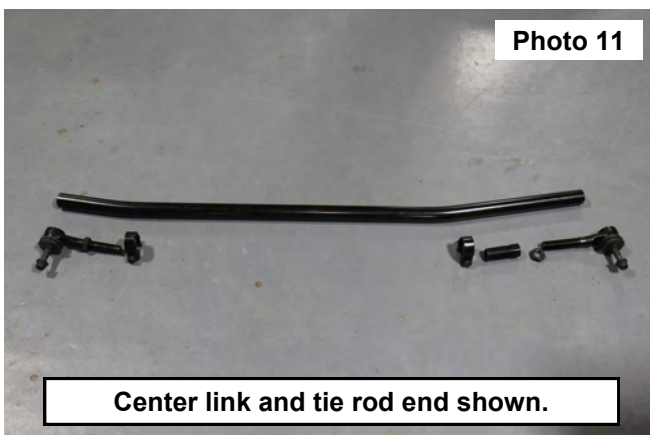
10. Install a collar the double adjuster and the 35° tie rod end with the jam nut into the straight side of the drag link. **See Photo 7.**
11. Install a collar and tie rod end onto the curved end of the drag link. Use the recorded length in step 8 for a starting length for the drag link. **See Photo 8.**



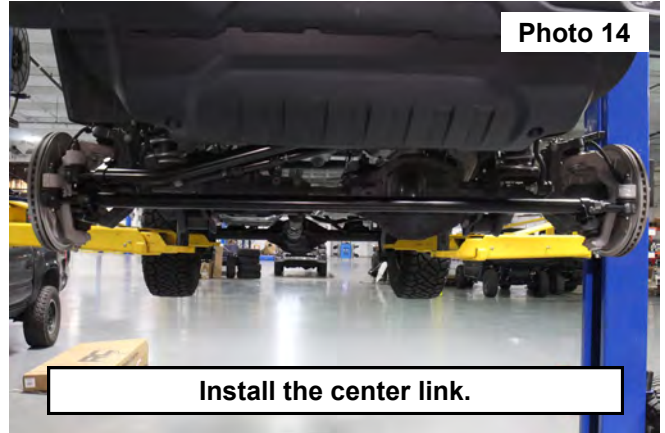
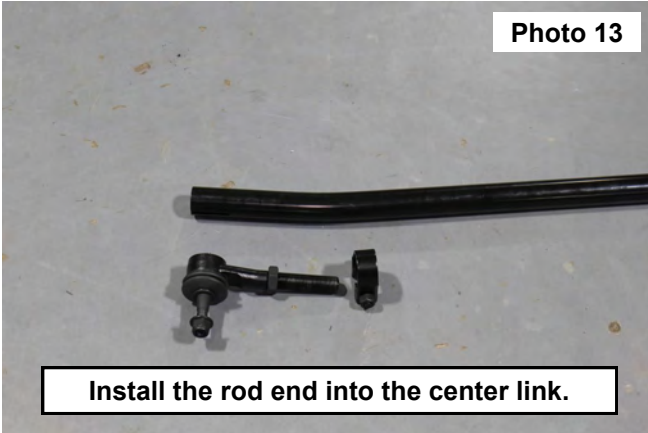
12. Install and secure the drag tie rod end joint to the pitman arm using the supplied flange nut. **See Photo 9.**
13. **▲ NOTICE** If installing the high steer sleeve for 3.5"- Up Kits follow steps on the back page. High steer kit used with the OE pitman arm and 3.5" - Up kit track bar bracket.
14. Install and secure the drag link tie rod end to the knuckle using the supplied flange nut. **See Photo 10.**
15. Tighten the tie rod ends using a 21mm socket and wrench.



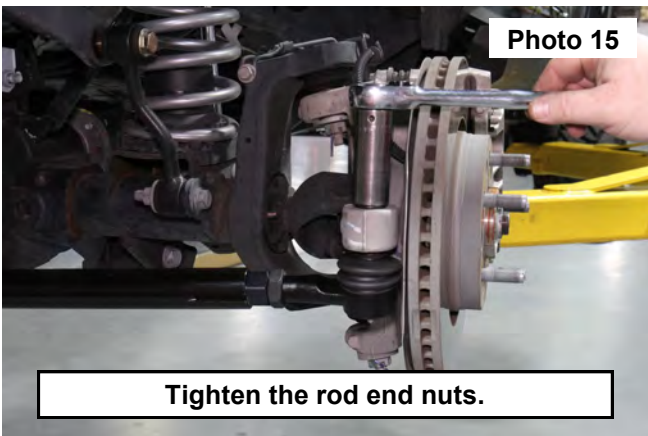
16. Center link and tie rod end shown. **See Photo 11.**
17. Install a collar the double adjuster and the 20° tie rod end with the jam nut into what will be the drivers side of the center link. **See Photo 12.**



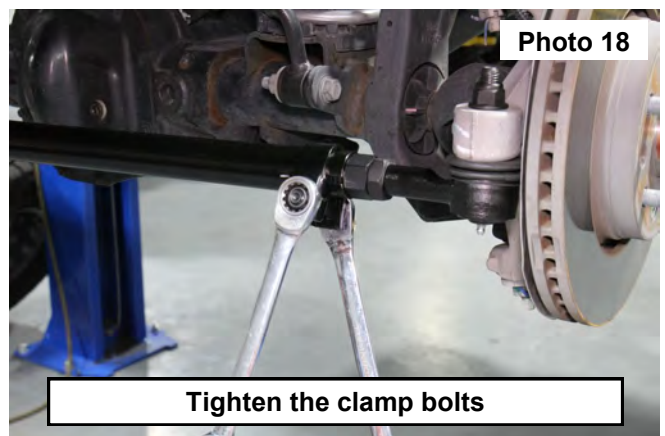
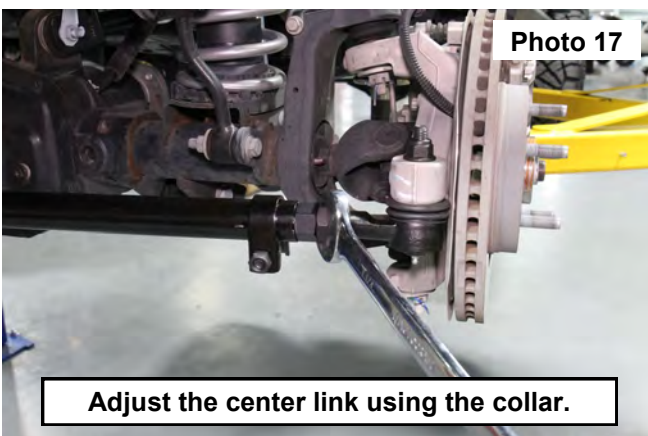
18. Install the passengers side collar, 20° ball joint and jam nut into the center link. **See Photo 13.**
19. Install the center link to the driver and passengers side knuckles and secure using the supplied flange nuts. **See Photo 14.**



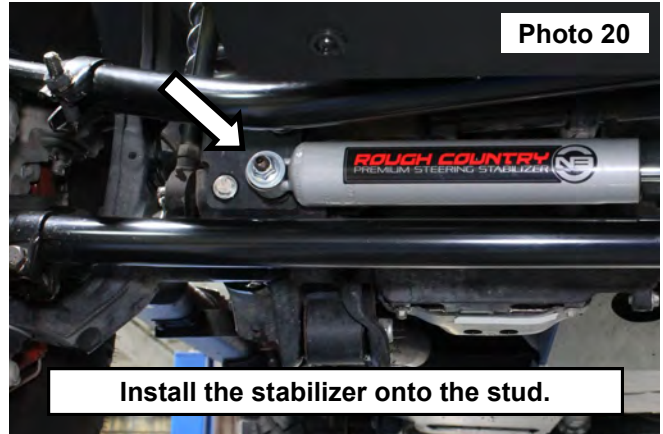
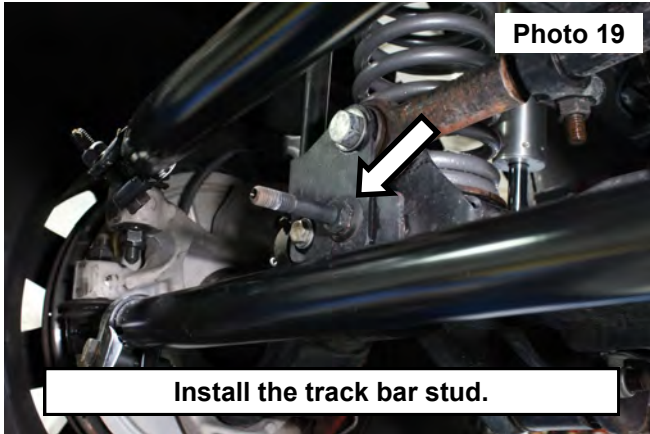
20. Tighten the tie rod end nuts using a 21mm socket. **See Photo 15.**
21. Using the recorded measurement from step 1 set the inside of the Right rotor to the inside of the Left rotor to that measurement for a starting length. **See Photo 16.**



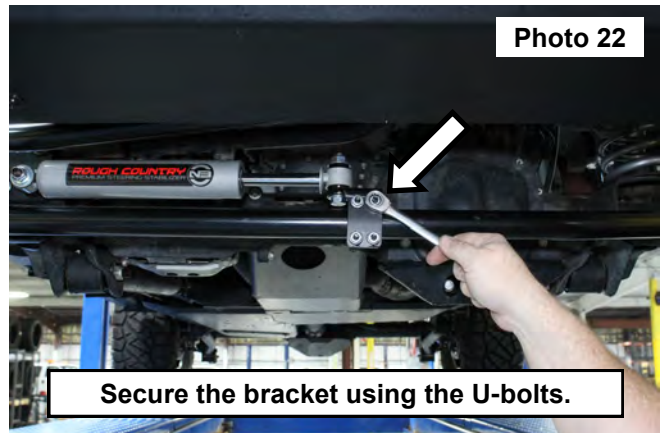
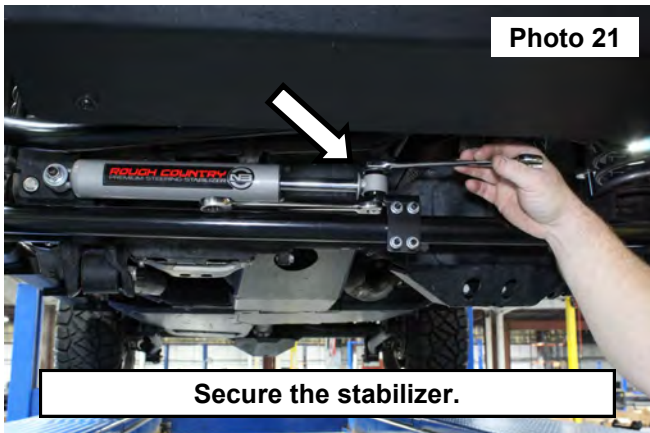
22. Use a 1 1/4 wrench for the adjustment collar and jam nuts on the drag link and the center link. **See Photo 17.**
23. Install the (4) bolts and (4) nuts into each of the (4) collars installed on the drag link and the center link. Tighten using a 19mm wrench and socket. **See Photo 18.**



24. Replace the track bar bolt with the supplied stud. Tighten using a 19mm socket. **See Photo 19.**
25. Center the stroke of the stabilizer and place it onto the track bar stud. Secure using (1) Flat washer and (1) hex head nut. **See Photo 20.**



26. Place (1) of the supplied 1/2" bolt and into the bracket and the eye of the stabilizer. Secure the bolt using (1) 1/2" Flat washer and (1) 1/2" hex nut. Tighten using a 3/4" wrenches. **See Photo 21.**
27. Place the bracket to the front of the center link. (The eye of the stabilizer should be at the top center of the center link.) Secure using (2) 5/16 U-bolts and (4) 5/16 flange nuts. Tighten using a 13mm wrench. **See Photo 22.**



28. Install the wheels and tires and remove the vehicle from the jack stands. Lower onto the ground.
29. At this time grease the tie rod ends.
30. A professional alignment must be preformed after this install is complete.

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1. Drill out the upper tapered hole in the passenger knuckle using a 7/8" drill bit. **See Photo 1.**
2. Apply thread lock to the tapered sleeve and install in the drilled hole. Use a hammer to seat fully. **See Photo 2.**



3. Reinstall the drag link and tie rod in the passenger knuckle. **See Photo 3.**
4. Continue to step 15.

