

### INSTALLATION NOTES

PROFESSIONAL INSTALLATION IS STRONGLY RECOMMENDED!

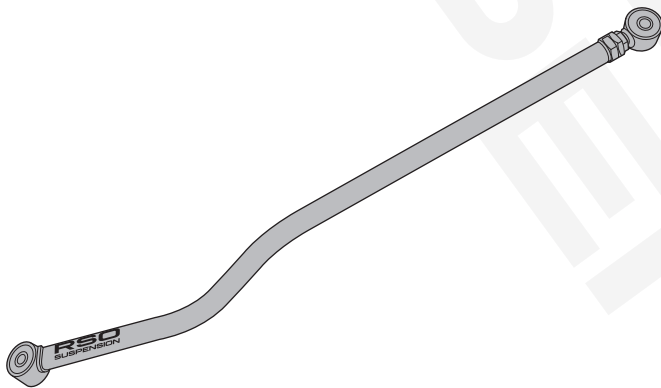
If you intend to do this installation yourself, please use extreme caution when working under a vehicle that is supported with jack stands. Serious injury or death can occur.

Read through entire installation manual to ensure that you understand all of the steps before proceeding with installation. If these instructions are not properly followed, severe frame, suspension, and tire damage may occur. Product failure or vehicle damage caused by improper installation will not be covered under warranty!

Remove all contents from the package and inspect for any damage. Also, verify that all components listed are included before you begin installation. If anything is missing or damaged please contact us at [customerservice@cyc-engineering.com](mailto:customerservice@cyc-engineering.com) - IMPORTANT: DO NOT INSTALL DAMAGED PARTS!

### COMPONENTS

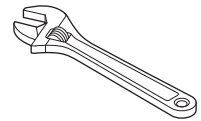
Qty: 1 HD Adjustable Rear Track Bar



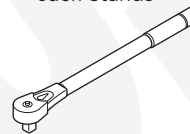
### TOOLS REQUIRED



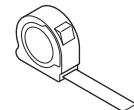
Jack Stands



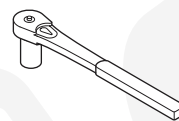
Adjustable Wrench



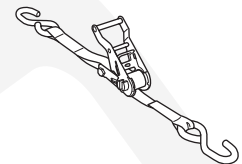
Torque Wrench



Tape Measure



21mm Socket/Wrench



Ratchet Strap



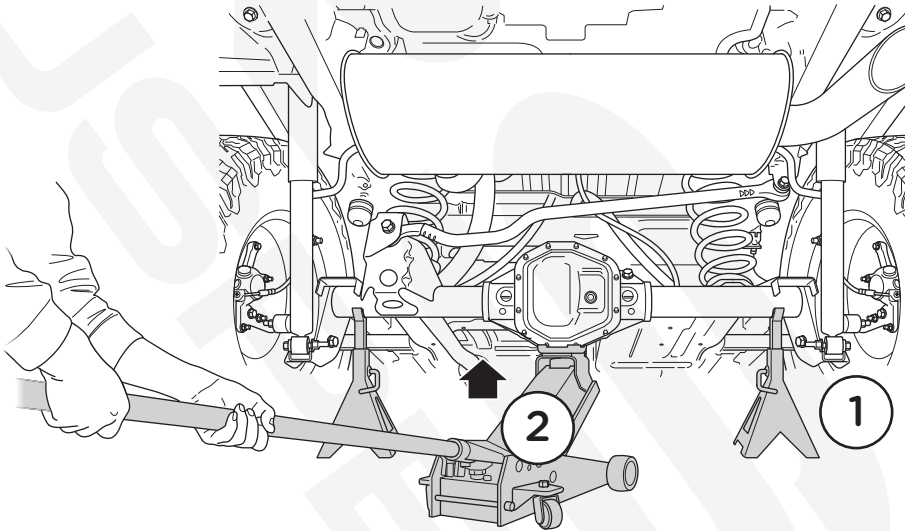
Jack

# HD ADJUSTABLE REAR TRACK BAR

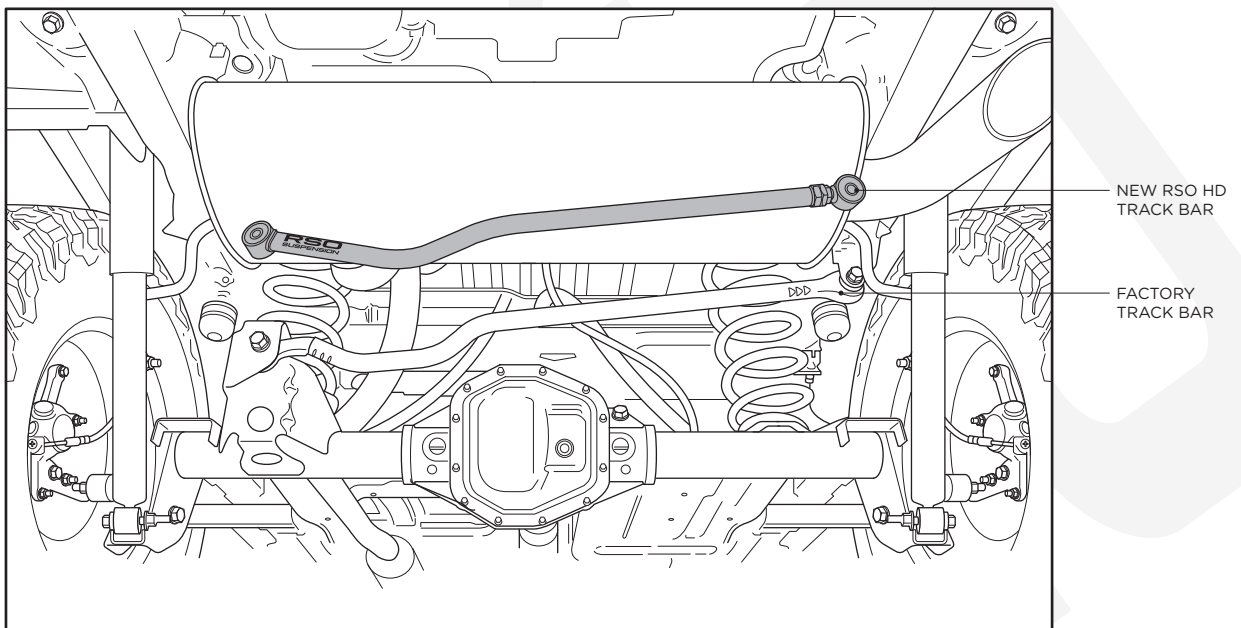
SKU# 170118-446700

# RSO SUSPENSION

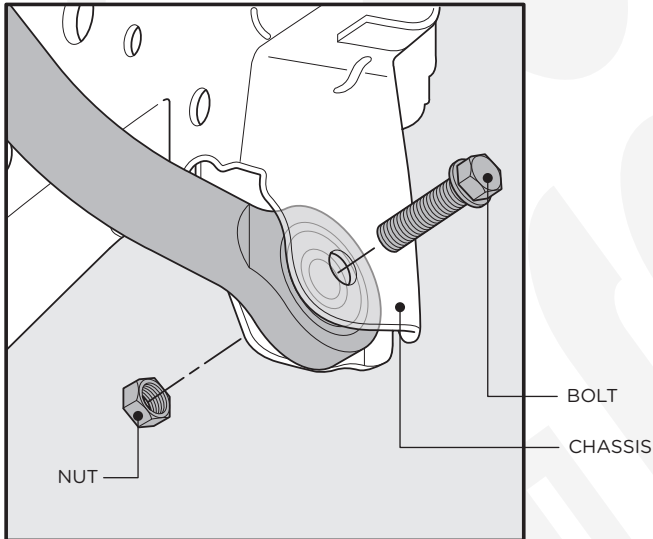
1. Use properly rated jack stands to support the vehicle, chock the front tires to ensure no movement while working under your vehicle. Once the back of the vehicle is on the ground and secured, remove the rear wheels.
2. Use a hydraulic jack to raise the axle and remove any tension on the front suspension. Use a 21mm socket or wrench to remove the factory track bar bolt on the axle side and frame side. Note the orientation of the factory track bar bolt and flag nut from the axle mount as it will be reused for installation of the RSO HD Track Bar.



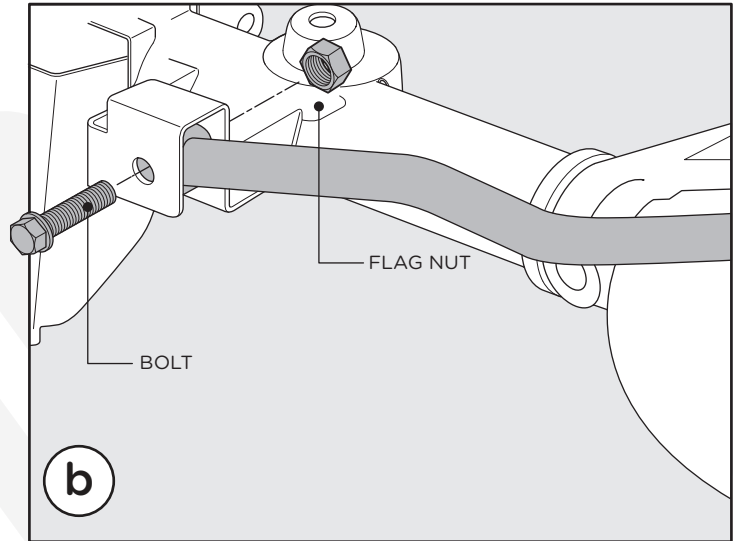
3. Place the new RSO HD track bar on top of the factory track bar and adjust the length of the RSO track bar until you line up the holes in the bushings. This will help get an approximate length needed prior to installation and make final adjustments easier.



- 4a.** Mount the frame side bushing into the frame mounting bracket and secure using the factory bolt, do not overtighten the hardware until all adjustments have been finalized.

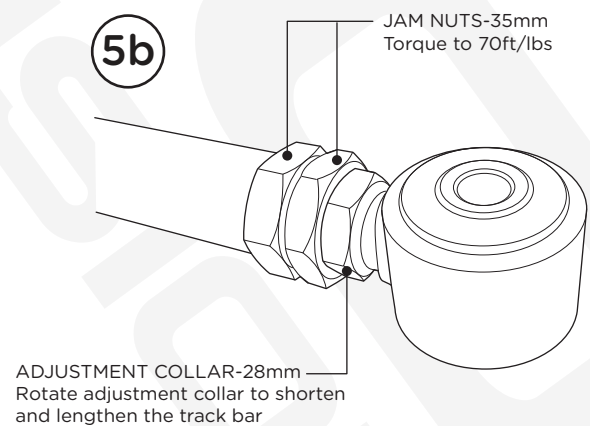


- 4b.** Mount the axle side bushing into the axle side track bar mounting bracket and secure using the factory track bar bolt and flag nut, do not over-tighten the hardware until final adjustments have been made.

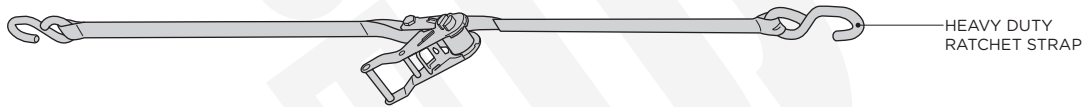
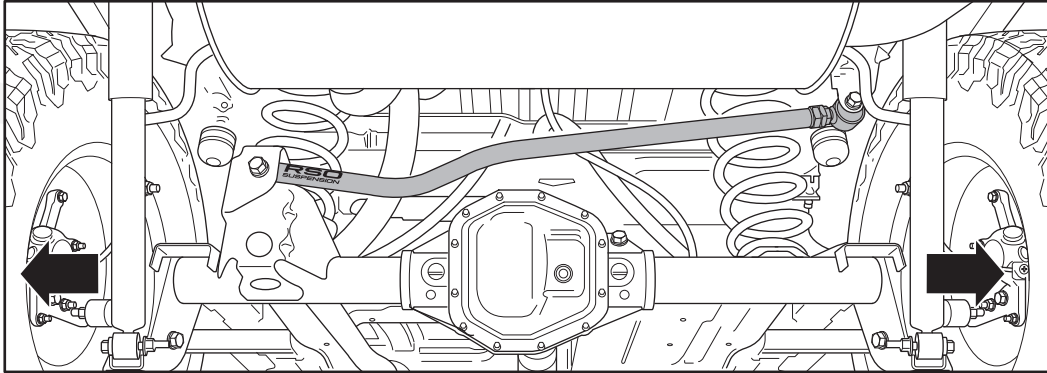


- 5a.** Reinstall the wheels and lower the vehicle onto the ground and under its own weight. Torque the factory hardware to 90ft/lbs on both the frame and axle side. Determine if the axle housing is centered with the chassis by measuring the distance between the tires and chassis, using the same points on each side of the vehicle to ensure accuracy. If the two measurements are the same, the axle is centered. If the two measurements are different, divide the difference in half to determine the amount of required adjustment. The axle can be shifted using the method shown in (6a).

- 5b.** The track bar can be adjusted while installed using the adjustment collar. Loosen the jam nuts using an adjustable wrench that opens to at least 1.5 inches. Use another adjustable wrench to turn the 28mm collar to lengthen or shorten the track bar.



- 6a.** To center the axle under the vehicle you can use the ratchet strap method. Attach a heavy duty ratchet strap to the chassis on one side of the vehicle and to the axle housing on the other side. Tighten the strap in small increments to pull the chassis in alignment with the axle. Take measurements after each adjustment until centered.



- 7.** Once you have determined the axle is centered, tighten the jam nut and adjustment collar using a large adjustable wrench and torque to 70ft/lbs.
- 8.** We now recommend a professional alignment. Check all hardware after 100 miles of driving and retorque as necessary.

### **REGULAR MAINTENANCE SCHEDULE**

Track Bars are essentially maintenance free, however the bushings are a consumable component. See Signs of Wear below for more information.

For the bushings, a visual inspection at every oil change is recommended to detect any accumulation of dirt or debris.

### **CLEANING & LUBRICATION**

Should dirt accumulate on the bushings, wipe clean with a rag.

### **SIGNS OF WEAR**

Excessive back and forth play or rattling in the bushings indicates wear. In such instances, it is imperative to replace the affected parts promptly. You can order replacement parts at [www.cyc-engineering.com](http://www.cyc-engineering.com)

Replacement Part numbers for this particular SKU are listed below for your reference.

SKU: REP-BUSHING-2-KIT (Replacement Rubber Bushings)

### **TECHNICAL NOTES**