

INSTALLATION MANUAL:

COR-4500210

Jeep Wrangler Adjustable Rear Track Bar
(1984-2006, TJ/LJ)



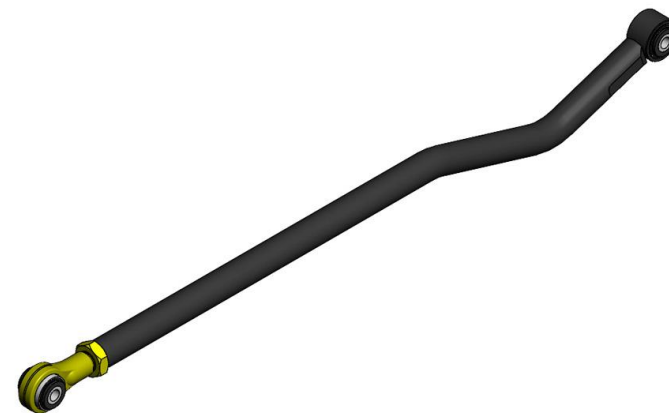
INCLUDED ITEMS

4500210 Jeep Wrangler Adjustable Rear Track Bar - (1984-2006, TJ/LJ)

QTY	Part Number	Description	Class/Grade
1	4500210	Adjustable Rear Track Bar	N/A

Product Notes and Features:

- Made from 1-3/8" x 5/16" DOM tubing for extra strength and unmatched durability
- No drilling or cutting required, simple bolt-on, OEM replacement
- Forged GIIRO Joints at both the axle and frame result in smooth, isolated noise and vibration
- Adjustable design allows for perfecting proper axle positioning for **lifts heights of at least 4"**
- No cutting or drilling required, simple bolt-on OEM replacement
- Works well with COR-4500500 Rear Track Bar Relocation Bracket (1984-2006 TJ/LJ)
- Uses original hardware



DISCLAIMER

WARNING:

Suspension systems and their components are designed to enhance your vehicle's off-road performance. This may cause your vehicle to handle differently, on and off-road. Always wear your seatbelt and take extra care when driving a modified vehicle. Failure to do so can result in loss of control which may result in a rollover causing serious injury, or even death to the driver and/or passengers of the vehicle. Regular maintenance and consistent inspections are required to keep your modified vehicle safe and functioning properly. These suspension systems and any components should be installed by certified technicians only. Attempts to install these products without proper knowledge can lead to poor performance, or possible failure, which may jeopardize the safety of the vehicle and its passengers. The installer is responsible for proper installation ensuring a safe and properly functioning vehicle. Take extra care when operating a modified vehicle and thoroughly inspect your vehicle before and after every off-road use.

Read the instruction set in its entirety before attempting the installation.

NOTE:

This product may require general welding, fabrication, and automotive mechanic skills. Welding should only be done by a competent welder. Clayton Off Road implies no guarantees or warranties and is not liable for improper installation. Some grinding and fitment may be required when installing this product. Every vehicle varies slightly, and some fabrication and/or modification may be required.

ATTENTION:

It is the customer's responsibility to thoroughly inspect all received parts to ensure they are assembled correctly and fully welded. Please carefully examine all weld seams and verify that bolt-through holes are properly aligned. Some Clayton Off Road products are permanent, non-removable, weld-on solutions. **If a defect or issue is found after installation, especially with permanent weld-on components, it may be difficult or impossible to correct.** Inspecting the part(s) received beforehand helps prevent unnecessary and avoidable complications.

ATTENTION: TORQUE SPECIFICATION

When working on any vehicle, it is good practice to torque suspension/weight-bearing components while the vehicle is resting under its load. This instruction set, as well as any other Clayton Off Road instruction set, assumes the installer will tighten any suspension-related components properly, to the recommended torque specification, when the vehicle is resting safely under its own weight.

INSTALLATION INSTRUCTIONS

Take this product to a licensed professional if you are hesitant about the installation process!

The following instructions apply to the listed components below:

- Jeep Wrangler Rear Adjustable Track Bar (1984-2006, TJ/LJ)

We strongly recommend having basic mechanic's hand tools, sockets, wrenches, vehicle jacks and stands, and other common tools readily available. Installing an aftermarket lift kit is a detailed process, and having the right tools on hand will ensure a smoother installation.

As always, feel free to contact us anytime during your installation – you can count on us to help!

COR-4500210

4500210 Installation Tools Required:

- Metric socket set /wrench set
- Large, adjustable wrench or a 1-1/2" wrench
- Impact drill
- Vehicle jack and stands
- Torque wrench

TRACK BAR LENGTHS

Please refer to the table below for minimum and maximum track bar lengths for this product. These lengths are recommendations and should only serve as limits for axle positioning and dialing in axle track. **The following measurements are given as “eye-to-eye” lengths (center-to-center of joints).**

Please note that your exact track bar length will vary by lift height. You will need to adjust the track bar based off of where the axle sits under the vehicle. Please take care and have patience when aligning the axle track.

Table 1: COR-4500210 Minimum and Maximum Track Bar Lengths

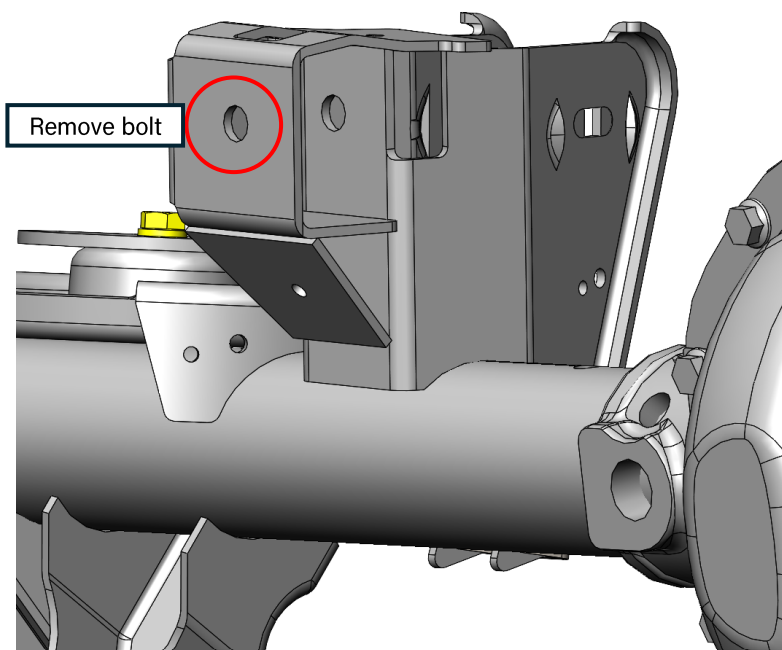
COR Number / Product Name	Minimum	Maximum
4500210 Wrangler Adjustable Rear Track Bar	$32 - \frac{3}{8}$ ”	$34 - \frac{1}{4}$ ”

INSTALLATION INSTRUCTIONS

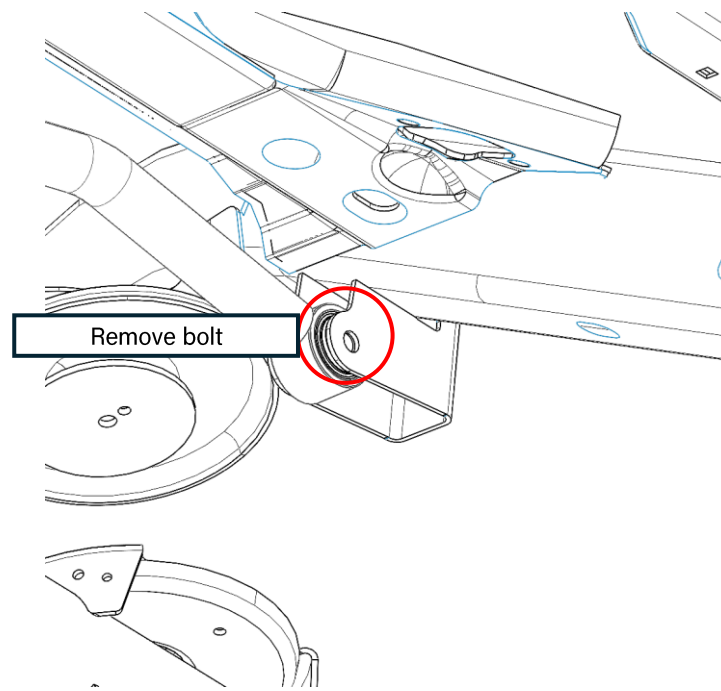
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1. The installation may be completed with the vehicle on the ground. There is no need to remove the wheels and tires. The track bar comes preassembled and bolts right into the vehicle using the original hardware.

Remove the old rear track bar at the axle-end. If the track bar hardware is original, you can use a 17mm socket to remove the M12x1.75 bolt. Then, place one hand on the track bar so it doesn't fall out, and remove the frame-side track bar bolt.



Jeep TJ axle-side rear track bar mount (bolt removed)



Jeep TJ frame-side rear track bar mount (bolt removed)

INSTALLATION INSTRUCTIONS

*****Take this product to a licensed professional if you are hesitant about the installation process!*****

2. For lift heights around 3.5-4" inches, a rear track bar relocation bracket is recommended for dialing in rear axle positioning and track. Clayton Off Road offers a Rear Track Bar Relocation Bracket (1997-2006 TJ/LJ) for purchase (SKU: COR-4500500). If you are looking for instructions on this product, please visit our website and navigate to the product page.

Please proceed to the next step if you do not require a rear track bar relocation solution.

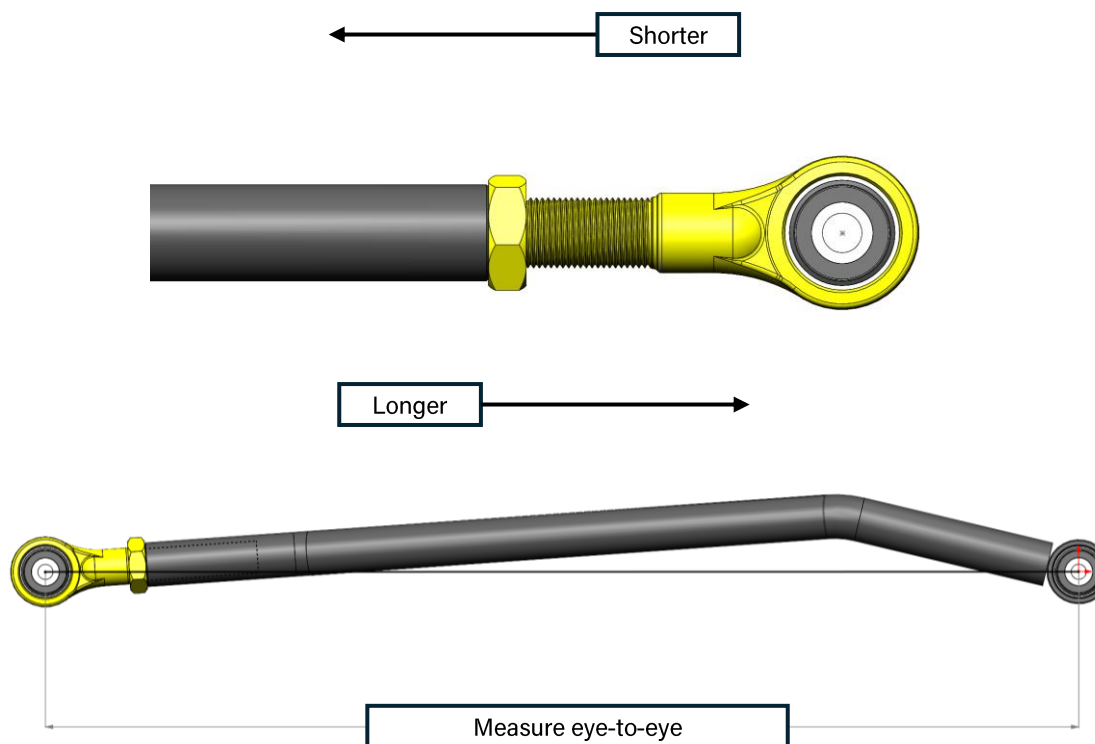
COR-4500500



INSTALLATION INSTRUCTIONS

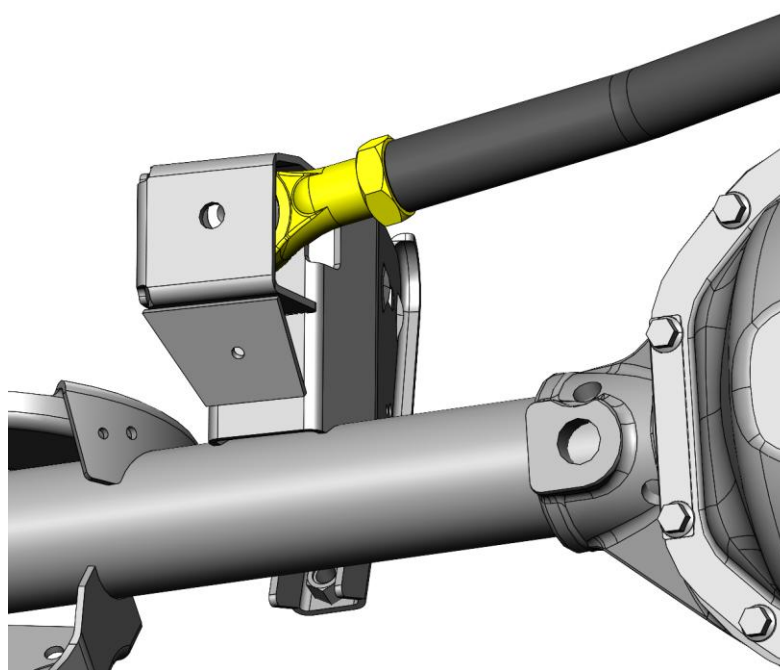
3. Determine the appropriate length of the new track bar based on your vehicle's ride height and your desired axle track. Use the lengths provided at the beginning of these instructions as a starting point.

Adjust the end-forging by screwing it in or out. **Measure the length from eye-to-eye, or center of bushing to center of bushing.** When the desired length is met, spin the jam nut down to the control arm to lock the forging into position.



INSTALLATION INSTRUCTIONS

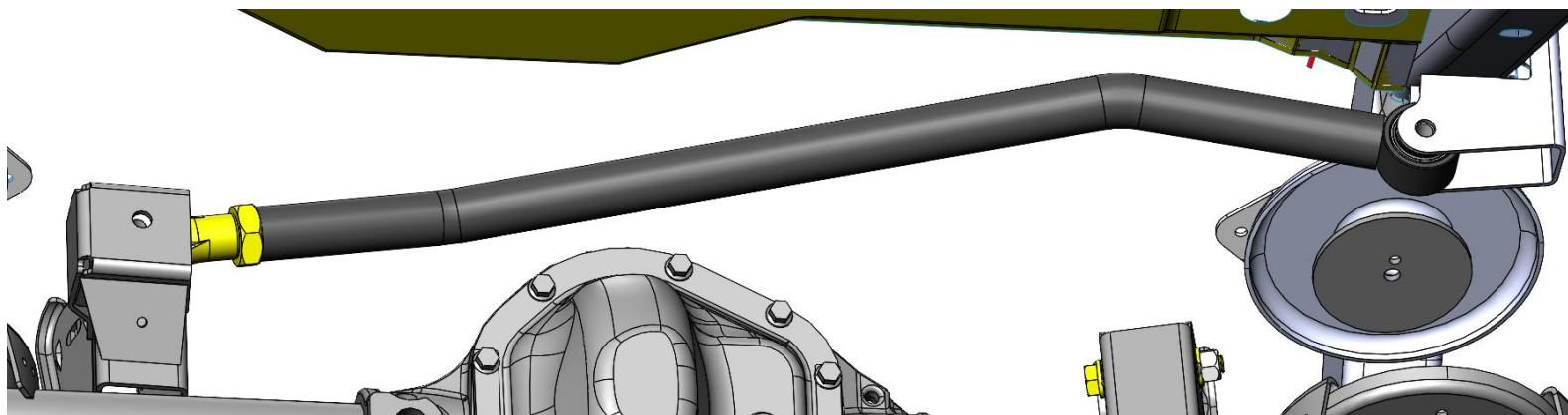
4. Install the new rear track bar, putting the adjuster in the axle-side track bar mount. Reuse the original bolt and nut. Do not tighten the hardware yet.



TJ adjustable rear track bar installed in axle-end mount

INSTALLATION INSTRUCTIONS

5. Next, install the non-adjustable side of the track bar into the frame-end mount. Adjust the length of the bar (if needed) by spinning the bar in or out of the adjuster until the track bar bushing and the bolt hole on the frame-end mount line up. Ensure that the track bar bend rises closer to the frame end and falls then back down. See the photo below.



TJ adjustable rear track bar bolt installed with proper orientation

TIP: If the non-adjustable end does not line up with the mount, have another person push the body of the vehicle back and forth until you can insert the bolt.

You may also use a ratch strap attached between the frame and the opposite side of the axle to pull the body.

INSTALLATION INSTRUCTIONS

6. With the vehicle resting under its weight, double-check the rear axle track. You may use a straight-edge flush up against the tire and use it as a marker, measuring from the body to the straight-edge. This will allow you to pinpoint which direction the axle may need to go.

If adjustments need to be made, remove the axle-end bolt and shorten or lengthen the track bar as needed.



Axle track (driver side)



Axle track (passenger side)

In the case above, the axle was shifted to the driver's side nearly ½" more than the passenger's side.

This means that the rear track bar should be **shortened by ¼"**, or until both measurements are equal.

INSTALLATION INSTRUCTIONS

7. When the axle track is set properly, you may torque the hardware to the manufacturer's specification. The axle-side hardware should be torqued to 110 lb-ft, and the frame-side hardware should be torqued to 110 lb-ft.



TJ rear adjustable track bar installed with COR-4500500

INSTALLATION INSTRUCTIONS

8. Tighten down the jam nut on the track bar. Use a 1-1/2" wrench or an adjustable wrench for the jam nut. Use a breaker bar to gain additional leverage. Tighten all jam nuts down as tight as humanly possible.

Please note that not all wrenches are created with the same tolerances. If your wrenches are too loose around the jam nut, Clayton Off Road offers tight, wrap-around wrenches for purchase. Please search for the wrenches using the SKU's below.



COR Wrench-ends for control arm jam nuts (COR-2500125, COR-2500100)

INSTALLATION INSTRUCTIONS

9. The installation is now complete. Please follow the post-installation checklist below before driving your vehicle.



POST-INSTALLATION CHECKLIST:

- Axle-side track bar bolt torqued to 110 lb-ft
- Frame-side track bar bolt torqued to 110 lb-ft
- Lug nuts are torqued to the manufacturer's specification (if removed)
- Jam nuts are jammed down as tight as possible
- A professional properly aligns the vehicle for adjusting your caster and aligning the suspension

