

RCI ADJUSTABLE BED BAR INSTALLATION GUIDE

****This install guide is applicable to our Adjustable Bed Bars only****



TOOLS REQUIRED:

Description
3/8" or 1/2" Socket Wrench and Socket Set
Metric Box-End Wrenches

INCLUDED HARDWARE:

Item	Description	QTY
H1.	3/8" x 1" Carriage Bolt	16 ea.
H2.	3/8" Washer	16 ea.
H3.	3/8" Lock-washer	16 ea.
H4.	3/8" Hex Nut	16 ea.

INCLUDED COMPONENTS:

Item	Description	QTY
C1.	Leg Section	4 ea.
C2.	Leg Crossmember	2 ea.

MOUNTING COMPONENTS:

**** (Mounting method may vary based on selection and vehicle) ****

C-CLAMPS:

Item	Description	QTY
CC1.	Clamp Assembly	4 ea.

TOYOTA MOUNTING ADAPTERS:

**** (05+ Tacoma/07-21 Tundra/Jeep Gladiator) ****

Item	Description	QTY
TM-1.	Adapter Plate	4 ea.
TM-2.	Track Nut	4 ea.
TM-3.	3/8" x 1" Carriage Bolt (not included in 05-15 Tacoma kit)	4 ea.

INSTALLATION STEPS:

- 1) Begin by unpacking and removing all components and hardware. Please verify that all hardware, components, and mounting components are present. Please reference your original order invoice and verify all items are accounted for.
- 2) Take **TWO** Leg Sections(**C1**) and insert a section on each end of **ONE** Leg Crossmember(**C2**). Insert the Leg Sections(**C1**) until one square hole is present on each of the two slots on the side of the Leg Crossmember(**C2**). Add one 3/8" Carriage Bolt(**H1**) per square hole(**Figure 1**), with the threads towards the center of the Leg Crossmember(**C2**). Add a 3/8" Washer(**H2**), 3/8" Lock-washer(**H3**), and 3/8" Hex nut(**H4**) on the end of the carriage bolts. **DO NOT TIGHTEN**. You should have a total of four carriage bolts per leg section and eight total carriage bolts for the assembly.
 - a. Repeat Step 2 until **TWO** total assemblies are built.



Figure 1

- 3) Place the **TWO** legs and crossmember assemblies onto the bed sides of the vehicle, spanning the truck bed width. Evenly space both assemblies apart from each other.
- 4) The primary structure of the bed rack is now assembled! All fasteners between components should still be loose and allow for movement/placement of the rack on the vehicle. Once the rack has been placed satisfactorily, proceed to the installation of your mounting method.

- a. For C-Clamps(CC1) or Toyota Mounting adapters(TM-1)+(TM-2), please continue with this guide below.
- b. For RCI Tonneau Adapters, please reference the installation guide that can be found here: <https://rcimetalworks.com/install-guides/>
 - i. If RCI Tonneau Adapters are used, please tighten all fasteners on the rack AFTER the adapters have been installed and attached. The tonneau cover system should have the rack securely held in place on the truck bed before the final tightening.
- c. For installation of the rack directly to the vehicle bed (drill and bolt) we recommend a hardened steel self-tapping bolt be used. Selection of this hardware will vary based on the vehicle and bed side construction (length and width of fastener). RCI does not supply this hardware. A coarse thread, hardened steel fastener is recommended. Pre-drilling is highly recommended.
 - i. In extreme cases, it may be recommended to bolt the rack vertically through the bed rack foot. This may only be necessary if the bed side is built with no metal in line with the existing horizontal bolt location. Bolting vertically will require a customer added hole to the bed rack foot. A machine thread screw with washers and a nut may be required to safely attach the rack in this situation.

5) Installation of all RCI mounting methods is very simple. Please reference Figure 4, Figure 5, or Figure 6 to determine the mounting method ordered and shipped with your new bed rack.

- a. For installation of the Toyota Mounting Adapter: insert Track Nuts(TM-2) into the factory bedside rail. You will need **TWO** Track Nuts(TM-2) per side for (SPORT Series) racks and **THREE** Track Nuts(TM-2) per side for (HD Series) racks. Once track nuts are inserted, evenly space them out adjacent to the bed rack foot sitting on the bed side. Insert **ONE** 3/8" carriage bolts(H1) through the Adapter Plate(TM-1) and then insert the threads of the 3/8" carriage bolt through the hole of the bed rack foot. Verify that the Adapter Plate(TM-1) is between the vehicle bed side and the bed rack foot with the carriage bolt threads pointing to the center of the vehicle. Add 3/8" Washers(H2), 3/8" Lock-washers(H3), and 3/8" Hex nut(H4) to the 3/8" carriage bolt and Adapter Plate assembly. **DO NOT TIGHTEN.** Align the lower slots present on the Adapter Plate(TM-1), with the threaded hole on the Track Nut(TM-2).
 Before threading the 3/8" x 1-1/8th Hex bolts(H5) through the Adapter Plate(TM-1), be sure to apply a 3/8" Lock-washer(H3) first and a 3/8" Washer(H2) second. Thread the bolt(H5) and washers(H2+H3) through the Adapter Plate(TM-1) and into the Track Nut(TM-2). **DO NOT TIGHTEN.**
 - i. Repeat Step 5a. three additional times.
 - ii. Proceed to final tightening step below!



Figure 2



Figure 3



Figure 7

b. For installation of the C-clamp(CC-1) mounting components, remove all six C-clamps(CC-1) from plastic sleeve and inspect the threaded fastener. Loosen the fastener, but do not completely remove it, and wrap the longer leg of the C-clamp(CC-1) under the bed side. Lever the shorter leg of the C-clamp(CC-1) up and over the bed side and bed rack foot. Adjust the C-clamp(CC-1) until the depth of the jaw is fully seated to the bedside and tighten the fastener. (Figure 3) Hand tool tight is plenty. Do **NOT** over torque the c-clamp fastener or the threads may shear from the aluminum assembly.

6) Installation of your RCI Bed rack is nearly complete! For final tightening of all fasteners, begin at the lowest fasteners and work towards the top of the rack. Hand tool tight with wrenches is plenty, split washers will assist in keeping the rack tight.

7) Enjoy your new RCI Adjustable Series Bed Rack!

Share your new install with us on social media!

We love seeing our products out in the wild!

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