

PUTCO®
VENTURE **TEC RACK™**

INSTRUCTION GUIDE



Congratulations on your purchase of a high quality PUTCO® product. Should you need any application or technical assistance, feel free to call us at:

1-800-247-3974

Monday-Friday 8:00am - 5:00pm (Central Standard Time)
 Contact your PUTCO® dealer for other quality accessories.



PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION AND CHECK TO SEE THAT ALL PARTS ARE INCLUDED

REQUIRED TOOLS

HEX KEYS OR SOCKETS
 (sizes: 7/32", 3/16", 5/32")

X-ACTO / UTILITY KNIFE



OR



WRENCH OR SOCKET (sizes: 9/16", 7/16")



OR



CONTENT LIST

QTY

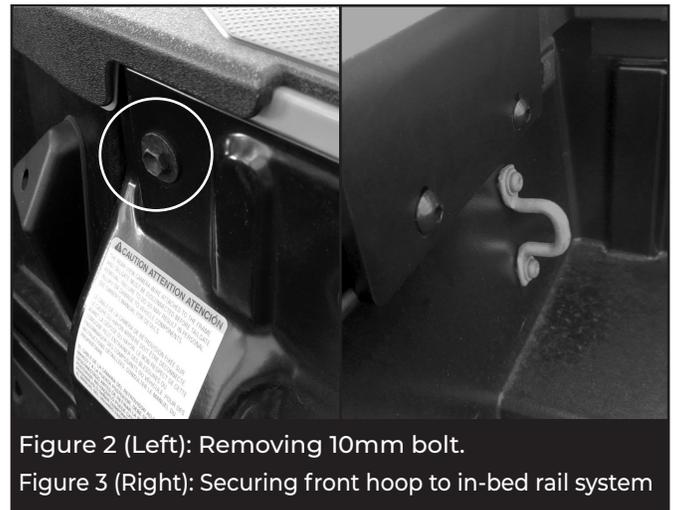
Rear Hoop (etched hoop)	1
Front Hoop	1
CoreTEC Block Inserts	8
Support Tubes	4
Vehicle Specific Hardware Mounting Kit	1
Upper Mounting Brackets	4
Side Mounting Brackets	4
Rack Hardware Kit	(Bag #185601) 1
Accessory Mounting Kit	(Bag #185602) 1
Universal Tent Bracket Kit	(Bag #185603) 1
Blue Loc Tite	1



- 1** Remove decorative channel cover and insert 3 of the threaded nut plates into the driver's side channel of the in-bed rail system (Figure 1). Slide two threaded plates towards the front of the vehicle and keep one threaded plate near the rear of the vehicle. Repeat this process on the passenger's side of the vehicle.



- 2** Remove 10mm bolt near tail gate and set aside (Figure 2). This bolt will be re-used to mount the rear hoop.



- 3** Place the front hoop on the vehicle, making sure that the threaded nut plates are aligned with the slots on the mounting plate. Loosely thread 3/8"-16 bolts into threaded nut plates. (Figure 3)

- 4** Place rear hoop onto vehicle. Secure the hoop to the vehicle using the 3/8"-16" bolt and threaded nut plate along with the 10mm bolt removed in step 2. (Figure 4). Replace decorative channel cover.





5 Locate the four support tubes. Slide CoreTec threaded insert into tube. The offset threaded holes should be towards the inside of the rail (Figure 6). Fasten it into place using 3/8" x 5/8" bolts. When properly installed, the CoreTec insert should be flush with the end of the tube.

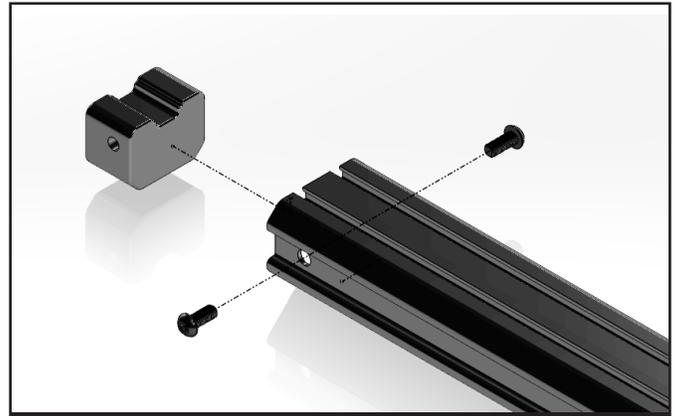


Figure 6: Diagram showing proper threaded insert installation

6 Locate the rail mounting brackets for the rack. Position the rail mounting brackets as shown in Figures 7 and 8. Figure 7 shows the correct setup for the brackets that mount on the side of the hoops, and Figure 8 shows the correct setup for brackets that mount on the top of the hoops.

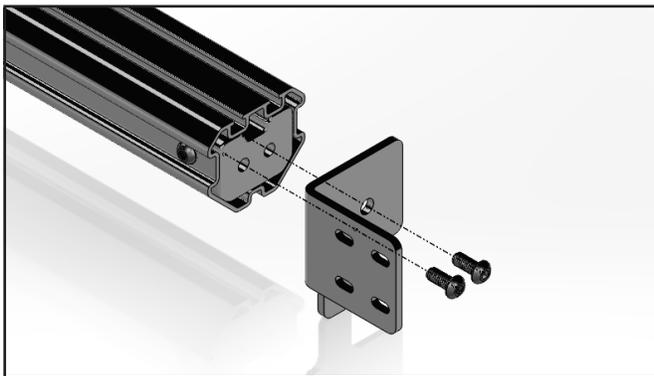


Figure 7: Proper side mounting bracket installation

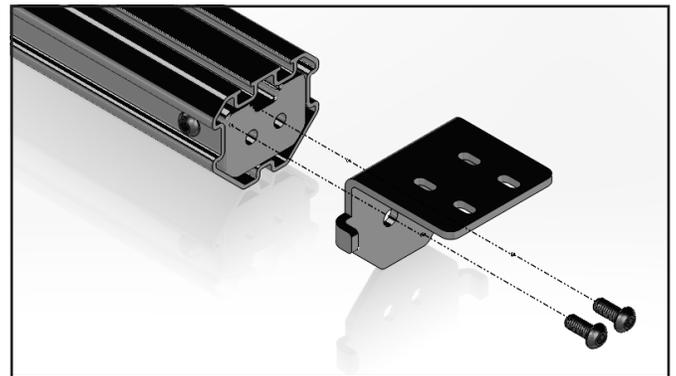


Figure 8: Proper top mounting bracket installation

7 Locate the tubes that will sit at the top of the rack. Position the bracket so that the outside edge of the bracket sits at the start of the bent edge of the hoop as shown in Figure 9. The easiest way to get the tubes into place is to get one side in and then insert the other side diagonally so that the tabs on the bracket fit into the channel of the hoop as shown in Figure 10. Slide the square nuts under the mounting holes in the bracket, and thread in the 1/4"-20 x 1/2" bolts. Repeat the process for the other tube.

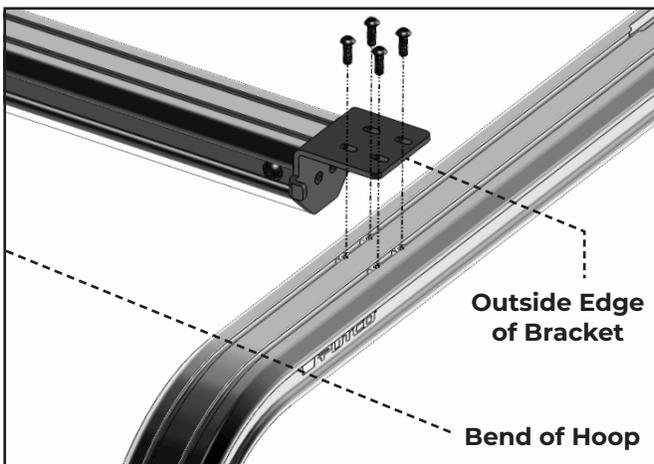


Figure 9: Diagram showing top tube installation

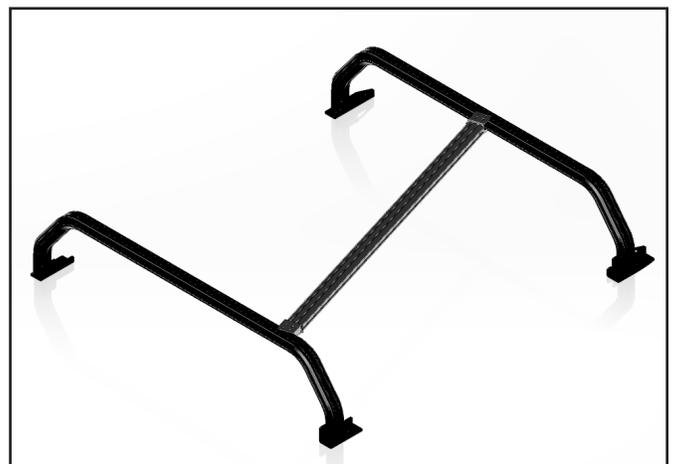


Figure 10: Diagram showing one side inserted and the other side inserted diagonally.



8 Locate the two side tubes. Starting with the top mounting holes, use the alignment tool to push square nuts into position by pressing the lip of the tool against the bottom edge of mounting bracket and the tip of the tool against the square nut (Fig 11a). The long leg is used to align the top mounting locations, and the shorter leg is used to align the lower mounting locations. Fasten 1/4"-20 bolts into square nuts, as shown in Figure 11b.

9 Adjust rack fore or aft to line up mounting feet with the vehicle's bed caps, then proceed with final torque of mounting bolt. Double check to make sure all other hardware is tight.

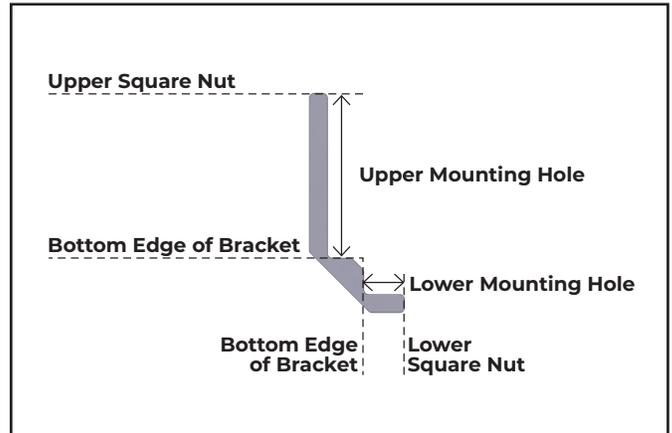


Figure 11a: Diagram showing the alignment tool

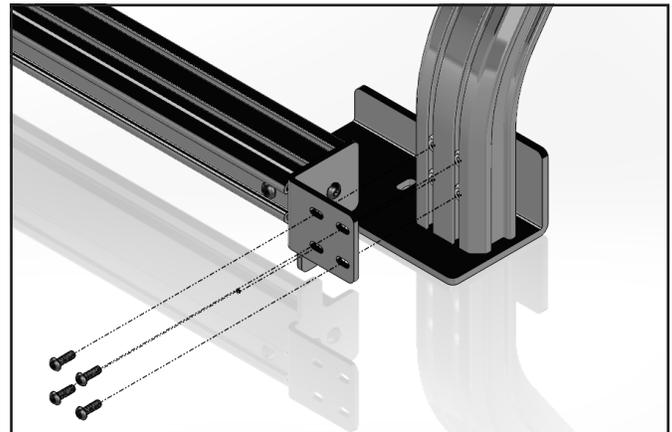


Figure 11b: Diagram showing the correct side tube mounting

Your new Venture TEC Rack is now successfully installed on your vehicle! Let the adventures begin!

WARNING:

- Make sure to periodically check that bolts are tight.
- Ensure that all accessories are securely mounted.
- Do not exceed maximum load recommended by vehicle manufacturer.
- Do not exceed maximum load rating of tent manufacturer, if applicable.
- Be aware of reduced clearance when accessories are mounted on top of the rack.