

Vertical Bike Rack Installation Instructions

P/N 210551: Rear Door Vertically Integrated Bike Rack (VIBR)

Before you begin:

- This is a SUPPLEMENTAL product – it must be mounted to an Aluminess Rear Door Base Unit (sold separately).
- **Maximum load capacity is 100 lbs on bike rack once installed, not including bike trays.**
- Stainless steel hardware may bind together when tightening – apply an anti-seize assembly lubricant to the threads of each bolt before assembly



Required Tools:

- Standard and metric wrench set
- Standard and metric socket set
- Torx bit set

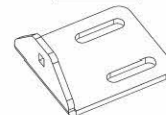
Included Hardware:

P/N	Description	Quantity
70348	Carriage Bolt, 3/8"-16 x 1-1/4", SS	8
70028	3/8" Washer	8
70024	3/8"-16 Nylon-Locking Nut	8
70060	1/4"-20 x 1" Button Head Bolt	4
70008	1/4"-20 Nylon-Locking Nut	4
70009	1/4" ID Washer	6
70444	1/4" ID Nylon Washer, Black	8
70723	1/4"-20 x 5/8" Carriage Bolt, SS	2
70246	Antiseize Bolt Lubricant Packet, 2g	1
400905.1	Clinch Strap, Hook-and-Loop (Velcro), 6"	2
401003	Lanyard, stainless steel, eyelet to eyelet, 30"	2
401013	Aluminum Spacer, .257" ID x .3125" OD x .141"	2
401014	Aluminum Spacer, .257" ID x .3125" OD x .50"	2

Additional Parts:

Description	Quantity
[301242] Upper Support Bracket	2 ea
Pull Strap (pre-assembled)	2 ea

Picture



Bike Rack Installation:

NOTE: This is a SUPPLEMENTAL product – it must be mounted to an Aluminess Rear Door Base Unit (sold separately).

1. Install your rear door base unit using the separately provided installation instructions.
2. Slide four (4) 3/8" carriage bolts into each bike tray slot.
3. Over the center two (2) carriage bolts, mount the upper support bracket using the corresponding 3/8" washer and nuts (reference Figure 1). The flange should be pointed away from the side with the locking mechanism. Leave the bolts loose enough to be able to slide the bracket within the bike tray for now.

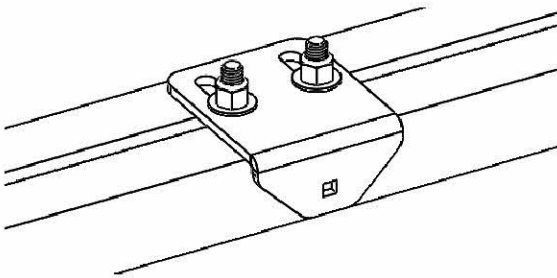


Figure 1: Upper Support Bracket Attached to Bike Tray

4. Install the bike rack trays onto the rack using the two (2) remaining carriage bolts through the indicated holes on the bike rack (see Figure 2). Tighten with the 3/8" washer and nuts.

PRO TIP: It may be helpful to stagger the vertical distances of the bike trays to accommodate various bike geometries (helps to prevent handlebar interference).

PRO TIP: If you have back up sensors, verify sensor functionality with the bike trays closed. With bikes installed, sensors will most likely "see" the bikes and alert when in reverse.

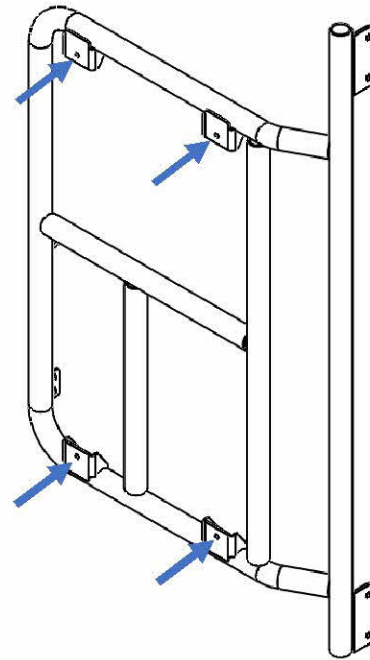


Figure 2: Mounting Holes on the Bike Rack for the Bike Trays

5. Now with your bike trays installed, bolt on the steel cable to the upper support bracket and the bike tray arm. Reference Figures 3, 4, & 5 for correct hardware assembly.



Figure 3: Bike Cable Position on Bike Tray

