

retrospec

Lenox

2, 3, & 4 Bike Hitch Rack



OWNER'S MANUAL & ASSEMBLY INSTRUCTIONS

⚠ WARNING: Please read this manual and assembly instructions carefully and entirely before beginning assembly.

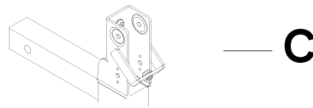
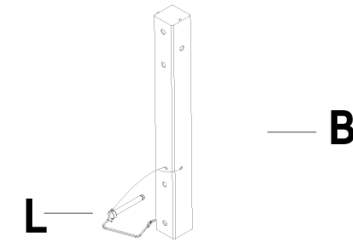
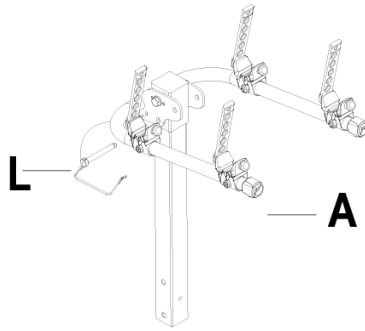
⚠ WARNING: Bikes and/or the rack falling on the road can cause serious accidents resulting in bodily injury or death. Do not use this rack on any vehicle on which it can not be properly mounted as described in this instruction sheet.

- Only install rack on vehicles with 2" receiver hitches (NO hitch adapters).
- NEVER use on trailers, RV's, hitch adapters, or front of vehicles.
- Bikes must be secured to the rack using the supplied tie-downs, and additional straps if necessary.
- Check regularly during use that all bicycles remain secured and all bolts and pins are tight.
- Maximum weight, evenly distributed: 4-bike = 140lbs; 3-bike = 105lbs; 2-bike = 70lbs.
- Bicycle tires should not be placed directly in front of an exhaust pipe. Tires can melt.
- Make sure that all of the rack and bicycles are kept at a safe distance from the road (entering & exiting driveways).
- Not safe for Tandem Bikes, Recumbent Bikes, Motorized Bikes, most ebikes, or other non-standard bikes.
- Remove the rack from your vehicle or fold carry arms when not in use.
- Do not block taillights or other vehicle lights with bikes.
- Drive carefully! Drive slowly over bumps. Do not drive off-road.
- Do not use the rack if any parts are missing. Contact Retrospec for missing or replacement parts.
- Bikes should never extend beyond the sides of the vehicle.
- Install the rack and load bicycles only at a very safe distance away from moving traffic.

Tools Required

2– 5/8" wrenches, 2– 11/16" wrenches; or 2 adjustable wrenches.

A. Parts

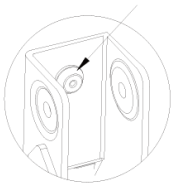
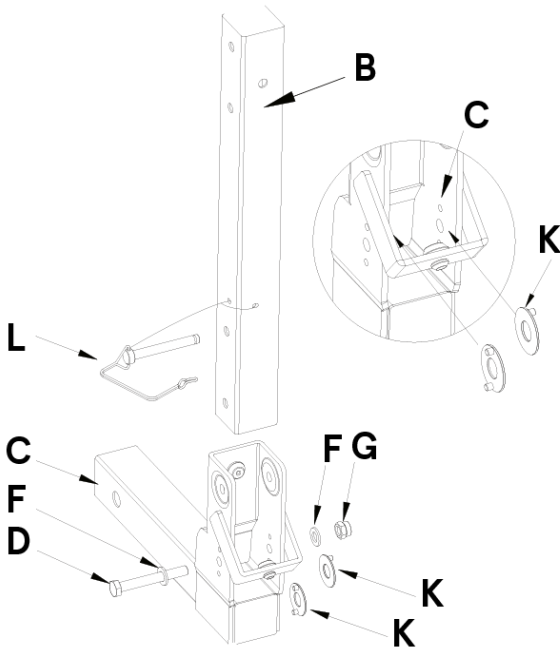


Item No.	Description	Qty.	Item No.	Description	Qty.
A	Base Assembly	1	J	Flat Pad Ø8	1
B	Vertical Tube	1	K	Round Shims with Positioning	2
C	Vertical Tube Upper Assembly	1	L	Clevis Pin	2
D	External Hexagon Bolts M10*80	1	P	Hitch Pin	1
E	External Hexagon Bolts M10*65	2	Q	Hairpin Cotter Pin	1
F	Flat Pad Ø10	6			
G	Self-Locking Nuts	3			
H	External Hexagon Bolts M8*20	1			
I	Bouncing Pad Ø 8	1			

B. Assembling Rack

Step 1:

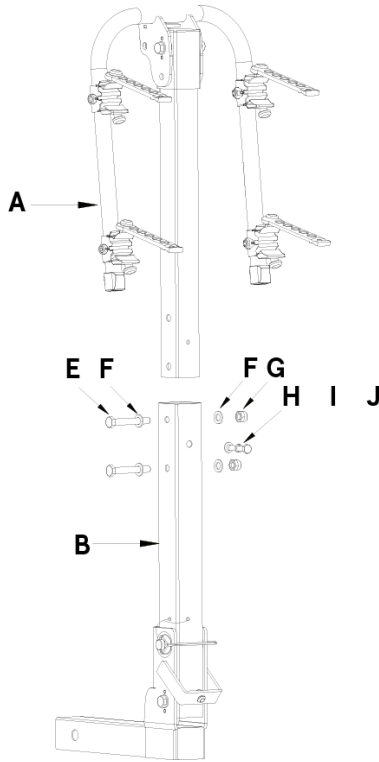
- Put two pieces of K into the interior of C in advance. (The two washers of K are inserted into the two small holes).
- Insert B into the vertical side of C, then connect them in order with D-F-F-G fasteners.
- After connecting B and C, align the square tube with the hole in the base and use L (Clevis Pin) to connect the two (this is the tilt-away function).



IMPORTANT: Due to the Round Rubber Buffer Pad, some force may be required to compress the pad to insert the Clevis Pin

Step 2:

- Insert A into B together, and connect the two holes on the side with two sets of bolts/washers/nuts in order: E-F-F-G - tighten securely.
- Connect one hole on the front side with H-I-J securely.



CAUTION: In order to reduce vibration, increase durability and reduce noise, a Round Rubber Buffer Pad is added at the top of part A behind the U-shaped carrier arms pivot. With the U-shaped carrier arm folded, it may be necessary to push against the buffer pad hard, and then insert the pin (when unfolding), or pull the pin (folding the arms).

NOTE: Upon completion, both parts (A & B) should be securely joined together.

IMPORTANT: When rack is in an upright position wire retainer clip on the Clevis Pin should always be in a closed position to keep rack from tilting during use.

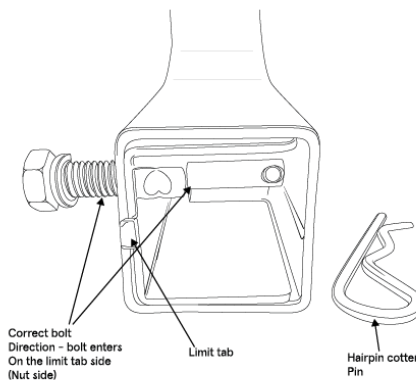
⚠ WARNING: This Lenox rack should only be used on 2" receiver hitches - no adapters. Never use this rack on trailers or RVs.

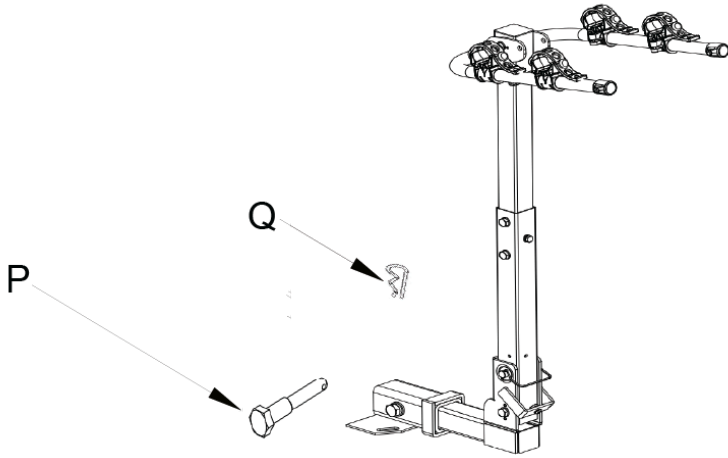
2" Hitch Size:

Remove protective cover (plug), ball mount(s), conversion plates, etc. The 2" hitch receiver should be clear, smooth, and unobstructed.

C. Installing the Rack on Your Vehicle:

- Insert the Anti-Rattle Adapter into the Hitch Insert (male end of your rack that slides into the vehicle), slide in up to the Limit Tab.
- With the arms in the folded-down position, install the now assembled rack into your vehicle's 2" hitch receiver. Line-up the holes in the Hitch Insert and the AntiRattle Adapter with the hole in the receiver then insert and thread the large Anti Rattle bolt through the holes. Tighten securely using wrenches. Make sure to thread in the large bolt from the same side as the Limit Tab.
- When tight, insert the Hairpin Cotter Pin (Q) into the hole in the end of the large Anti Rattle Bolt (P).
- When secure, there should not be any movement of the rack inside of the hitch receiver when done.

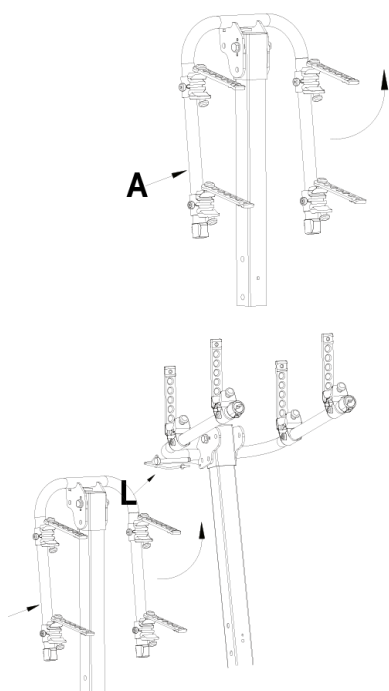




⚠ WARNING: Never use the rack without the Hitch Bolt in place and securely tightened, and with the Hairpin Cotter Pin in place. Failure to install and properly tighten the Hitch Bolt will allow the rack to separate from the vehicle and fall onto the roadway potentially causing a serious accident.

D. Folding/Unfolding Carry Arms and Tilt-Away Function

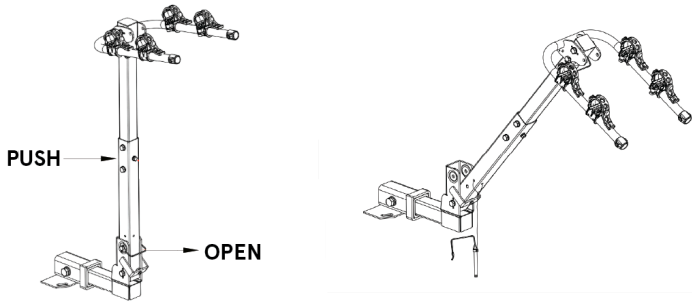
- **FOLDING:** To fold up/down the carry arms, remove the 'L' Clevis Pin from the carry arm assembly, and fold/open the carry arms into upright position.
- Re-install the L Clevis Pin, making sure to properly close the wire retainer on the L Clevis Pin.



IMPORTANT: Wire retainer must be fully closed to keep the carry arms in an upright position during use.

- **TILTING:** Removing the lower Clevis Pin when the rack is not loaded with bikes will allow the rack to rotate away from the rear of the vehicle allowing the tailgate to be opened. To avoid damage to your vehicle (or bikes), upon first use, open the tailgate slowly, checking to make sure there is enough clearance between the tailgate and the rack before fully opening the tailgate.

WARNING: Do not use this tilt-away feature with bikes loaded on the rack, it may be too heavy to safely lift back up into position.



E. Loading Bicycles onto Rack

Before loading bikes onto the rack, rotate/position the Tie-Down Cradles to their upright position. You can rotate and slide back-and-forth to allow for optimum positioning of the bikes on the rack. The Cradles may be stiff and difficult to move when new, requiring a bit of muscle.

1. Remove all loose items from bicycles (pumps, bags, etc.) and check that all quick release hubs are tight.
2. Load the first bicycle with its chain and gears facing away from the rack, make sure that bicycles do not come in contact with the vehicle.
3. Load subsequent bicycles in alternating directions, for best weight distribution, load heaviest bicycles first, with lighter bicycles on the outside, add padding between bicycle contact points if necessary.
4. After bicycles are loaded, check that the entire rack is secure and that no wobble bolt is tight, and that the rack is firmly in place.
5. Vision out of the rear window may be restricted - use side mirrors accordingly when backing up.

Contact Us

Need some help with your new gear? Just want to say “hey” and talk to someone on our team? We’re here for that too.



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