

**WARNING:** Bikes or rack falling in road can cause serious accidents resulting in bodily injury - do not use rack on any vehicle on which it can not be properly mounted as described in this instruction sheet.

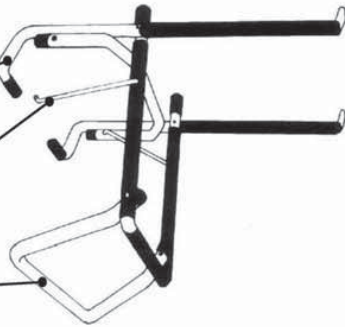
- Use this rack only on rear mounted external spare tires. Make sure that spare tire is securely attached and that it is fully inflated.
- Never use on tires mounted to trailers, front of vehicle, or RV's
- Never carry more than 3 bikes (max. capacity: 100 lb.) - no tandems, mopeds, or recumbents. Bikes must be securely tied to rack - use individual bike tie-down straps or additional straps if necessary. Car tail lights must remain visible. For vehicles with off-center spare tires, make sure that bikes do not extend beyond sides of vehicle.
- Drive conservatively, especially over bumps (never off-road). Check periodically during use that all straps are tight and bikes are secure. Remove rack from tire when not in use.
- Do not use if any part of rack is damaged or missing. Contact R. A. Allen Co., Inc. for replacement parts.

**Caution:** Use Allen 303D only in accordance with local motor vehicle and traffic regulations.

- To avoid damage to rear door or trunk, do not open trunk or rear door when hooks or rack are in place.
- Install rack and load bicycles only at a safe distance away from moving traffic.
- Only rubber feet and hooks should come into contact with car. Do not allow metal parts of rack or bicycles to scratch car's finish.
- Make sure that all of rack and bicycles are kept at a safe distance from road and hot exhaust.

## A. Setting up rack:

1. Fold out top-foot/ carry arm assembly.
2. Insert pins at ends of wire struts into holes in top foot assembly.
3. Completely fold out bottom-foot assembly.



## B. Mounting rack on vehicle:

1. Use only on rear mounted external spare tires installed on standard automobiles and trucks. Never use on trailers or RV's. Make sure that spare tire is securely attached and fully inflated.
2. Before installing, remove any spare tire cover that may be damaged by rack.
3. Completely hook top hook/ carry-arm assembly, **A**, over top of spare tire. Position rack with carry arms inclined slightly upwards and high enough to keep tail lights visible.

### Securing Bottom Straps & Hooks:

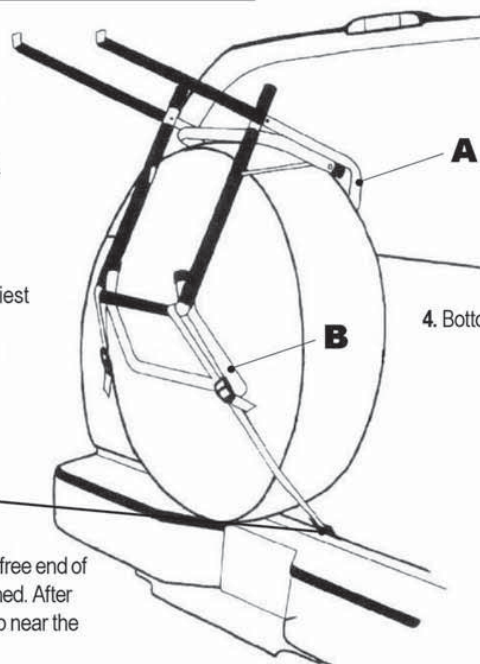
**Note:** Make sure that bottom straps are threaded through plastic buckles only as shown in Drawing C.

Drawing C



**Note:** Open rear door slightly for easiest attachment of hooks.

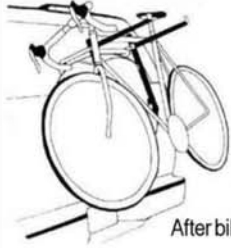
1. Completely hook bottom hooks to a metal edge below the bumper or at the bottom of rear door.
2. Completely tighten each bottom strap by pulling on free end of strap until elastic portion of strap is completely stretched. After straps are tightened, tie a half-hitch knot in each strap near the buckle.



4. Bottom foot assembly, **B**, must be held against the tire in a fully extended position.

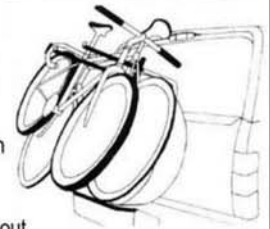
**G. Loading bicycles onto rack:**

Remove all loose items from bikes (pumps, bags, etc.) and check that all quick-release hubs are tight.  
Never carry more than 3 bikes (max. capacity: 100 lb.). Car tail lights must remain visible.



Load first bike with its chain and gears facing away from rack. Make sure that bikes do not come into contact with car (rotate inside pedal if necessary). Rotate tie-down cradles to accommodate women's style frames.

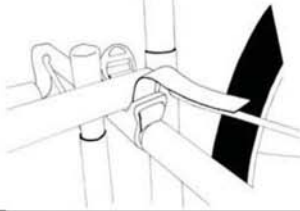
Load subsequent bikes in alternating directions. For best weight distribution, load heaviest bikes first with lighter bikes on outside. Add padding between bike contact points.



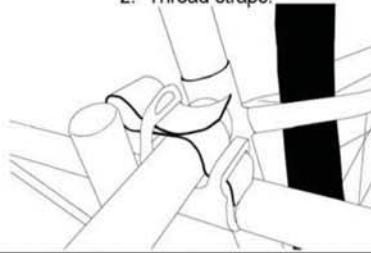
After bikes are loaded, check and retighten all straps, making sure that rack is still firmly held against car. Vision out of rear window may be restricted - use side mirrors accordingly, especially when backing up.

**H. Securing bikes to rack:** All bikes must be securely tied to rack. Use individual bike tie-down straps or additional straps if necessary.

1. Place bikes in tie-down cradles.



2. Thread straps.



3. Pull tight.

