

Assembly Instructions for Quad 2 + 2

1. Remove main assembly from box.
2. For easier assembly, insert the main tube into your 2" Class 3 hitch.
3. Align the ratcheting upright bar assembly onto the center section of the main assembly (Diagram 1). Position it so that it folds to the left side when viewing from the back of the vehicle. This will allow for easier use of the ratchet hooks. Secure with two carriage bolts, washers and nuts. Do not tighten the bolts completely at this time.
4. The crossbars are in two pieces. You need to insert the male section into the female section. Make sure that the small set screw holes at the ends of the bars are both facing downward.
5. Insert the cross bar through the upright ratchet assembly. The square hole on the bar should face up (Diagram 2). Insert one carriage bolt through the cross bar and the bracket. Install the second bolt through the side plate of the ratchet arm assembly (Diagram 3). Tighten all of the bolts, including the ones on the upright ratchet arm.
6. Install one short hook and one long hook onto the upright ratchet arm. **NOTE:** the short hook goes on first (Diagram 4).
7. Repeat steps 1 to 5 for the second ratcheting upright arm and cross bar.
8. Slide the wheel trays onto the cross bars. The wheel holders should be installed so the upsweep is facing inward. The orientation of the bikes will determine the best position for the 8 wheel holders. You want to make sure the buckle side is facing towards you when you are at the back of the vehicle. This will allow for easier use of the buckle and strap. Review *Bike Installation* for more details on loading bikes.
9. After all of the wheel trays are installed you will need to install the small screws onto the underside ends of each arm. This will prevent the wheel trays from sliding off if you forget to tighten the wheel tray knob (Diagram 5).



Removing the 2 Bike add on section

1. Remove the 10mm Allen bolts with the supplied wrench.
2. Remove the 6mm set screw.
3. Remove the end section.
4. Put the extra end cap on the remaining section of the bike rack.
5. Store the add on section for future use.

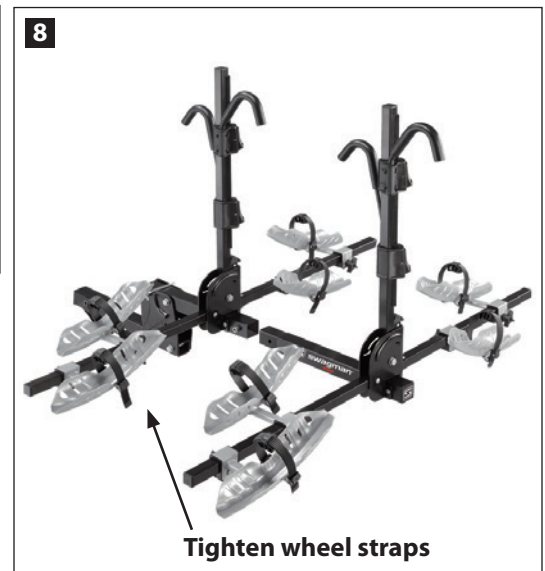
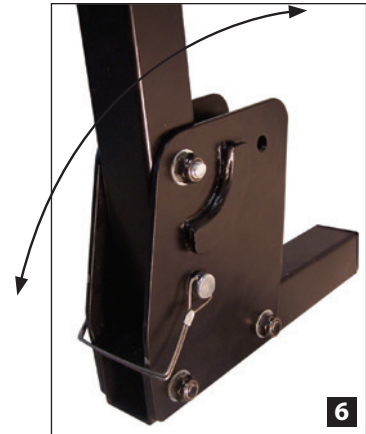
Installing the Quad 2 + 2 on to your Vehicle

1. Insert the bike rack into the 2" Class 3 receiver. Install the 5/8" threaded locking hitch pin and tighten to 50 ft lbs. (very tight). Put on the lock head until it is securely attached.

2. To fold the rack up when not in use, pull the lever on the upright arm and fold the ratchet arm assembly to the side. Remove the ½" pin and clip in the folding bracket assembly (Diagram 6). Move rack into the upright position and re-insert the pin into the hole that lines up. Move the rack back and forth to ensure you inserted the pin through the correct hole.

Bike Installation:

1. Pull the lever on the bottom of the upright arm and fold down. This allows you to easily put the inside bike onto the rack (Diagram 7). The taller bike should go on the inside location.
2. Adjust the trays to the wheels of the bike so that they are all the way in the tray. Once they are adjusted tighten the knobs on the tray so that they are secure and cannot slide.
3. Fold the upright bar back into the upright position. You should hear a click to indicate the cam is engaged. **NOTE:** You may have to tilt the bike towards the vehicle to make it easier to fold the ratchet bar upright.
4. Push the longer hook down onto the bike. Press the release button on the hook to slide it more easily into place. Release the button when the hook is securely holding the bike. Releasing the button locks the hook in place and prevents it from any upward movement while in transit. Ensure the hook arm is fully locked into the notches on the upright arm. **NOTE:** You should always ensure that the hook is located in the lowest position on the top tube. It is usually at connection point of the top tube and the seat tube (Diagram 8).
5. Install the outside bike in the same manner using the short hook. **NOTE:** After complete installation check all pins and tighten knobs to ensure they are all tight and that the bikes are motionless in the rack. **IMPORTANT:** You have to ensure that all of the wheel straps are attached and secure.
6. To lock your bikes rotate the key in the ratchet hook so the button cannot be depressed (diagram 9). **NOTE:** Never leave your bikes unattended for any length of time. Locks are meant as a deterrent and won't prevent bike theft.



⚠ WARNING

Due to the increase in thinner/lighter "carbon frame bikes" this rack may be inappropriate because the hook clamps the frame. Please check with your bike manufacturer for specific details. We developed the *Semi 2.0* and *Semi 4.0* for these types of Carbon frame bikes. They feature ZERO frame contact. The hook arm grabs the wheels and not the frame.

Important Notes:

- This bicycle rack has been designed to carry 1, 2, 3 or 4 bikes. It can only be used in a Class 3 or Class 4 hitch.
- This rack is designed for typical use and applications (on paved or smooth gravel roads). Do not use this rack on a vehicle that will be driven on rough roads or where the rack (and bikes) will be subject to significant or constant jarring and/or shock, or any vehicle with very stiff springs that will transfer the load shock directly to the rack and bikes.

- Proper fitting and installation of this carrier to your specific vehicle is critical, and is not the manufacturer's responsibility.
- Improper use of this product may result in damage to your rack, your vehicle, your bicycles, or even other vehicles driving behind you as a result of colliding with or trying to avoid fallen bicycles and/or the rack.
- The purchaser should be aware that the load created by a rack and bicycles can exceed the maximum rating on the hitch or bumper.
- Swagman Racks are powder coated to help prevent rust. When leaving them outside for extended periods of time the finish will lose its luster. It is recommended that when not in use it is stored indoors.
- Take care to add padding on any area of the bikes that touches another bike or any part of the vehicle. Damage can and will happen (to your bikes and/or to the vehicle) if care is not taken during the loading and transporting of your bikes, and padding used where necessary.
- Bicycle tires should be kept at least 6" away from the exhaust pipes of the vehicle. The high temperature exhaust exiting from the exhaust pipes is hot enough to melt or damage tires. The bike rack should also be kept away from the direct exhaust flow. Also check when the bike rack is folded up.
- Bikes fitted with large accessories (such as a child carrying seat) will greatly increase the wind resistance and therefore the pressure on the rack and all vehicle mounting points. Reducing vehicle speed will reduce the chance of any problems occurring because of this situation.
- After reading this manual, should you have any additional questions regarding the compatibility, fitting, and/or use of this rack, please call your nearest Swagman authorized retail dealer or Swagman Customer Service.

⚠ Mounting the Bike Rack on a trailer or 5th wheel:

1. Purchaser is advised that the load created by rack and bicycles may exceed the strength of the trailer or fifth wheel bumper, mounting location or the bike rack.
2. The rack is not covered under warranty if mounted on the back of a trailer or fifth wheel.

