

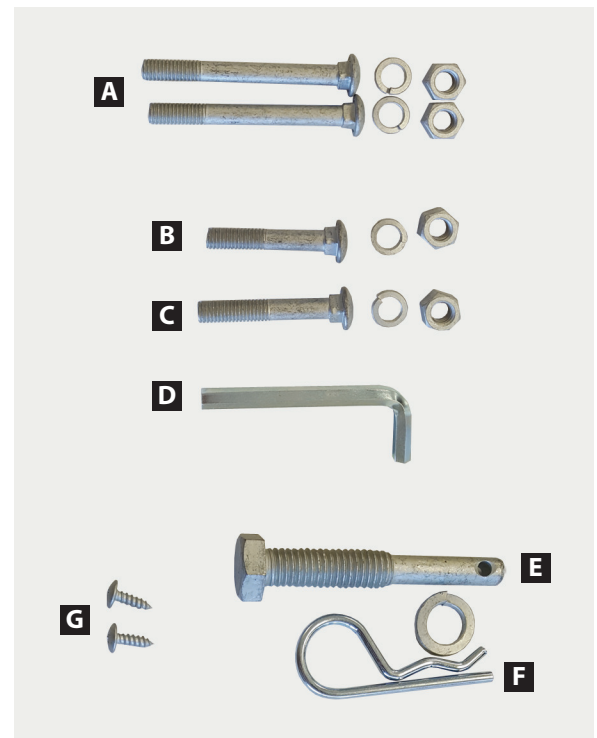
Assembly Instructions:

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 6mm x 70mm (A) 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 6mm x 45mm (B) carriage bolt through the cross bar and the bracket. Install the second bolt 6mm x 50mm (C) 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 long hook and one short hook onto the upright ratchet arm (Diagram 4). **NOTE:** the long hook goes on first. **NOTE:** depending on the bikes you may have to install the short hook first and then the long hook.
7. Slide the wheel trays onto the cross bars (Diagram 5). The wheel trays should be orientated so that the upsweep is facing inward and the buckles and knobs are facing the back of the rack. Your bike size will determine the best position for these 4 wheel holders. Review bike Installation for more details.
8. After all of the wheel trays are installed you will need to install the self tapping screws (G) into the underside ends of each crossbar (Diagram 5). **NOTE:** This will prevent the wheel tray from sliding off if you forget to tighten the wheel tray knob.
9. If the rack is to be used on 1-1/4" receiver you will need to remove the Allen Bolt that holds on the spacers (Diagram 6). Use supplied Allen Key (D).

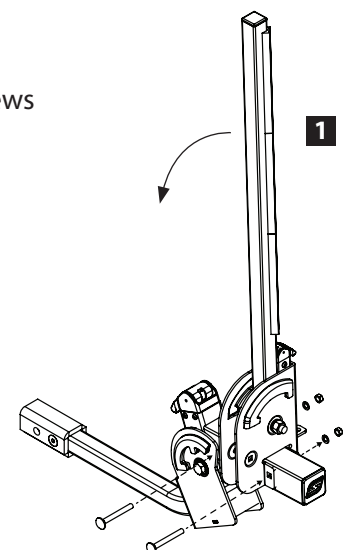
Installing the Chinook into your vehicle:

1. Insert the bike rack into the 2" or 1-1/4" receiver. Install the 1/2" threaded locking hitch pin (E) and tighten to 40 ft lbs. (very tight). Put on the lock head (F) until it is securely attached (Diagram 7).

PARTS LIST:

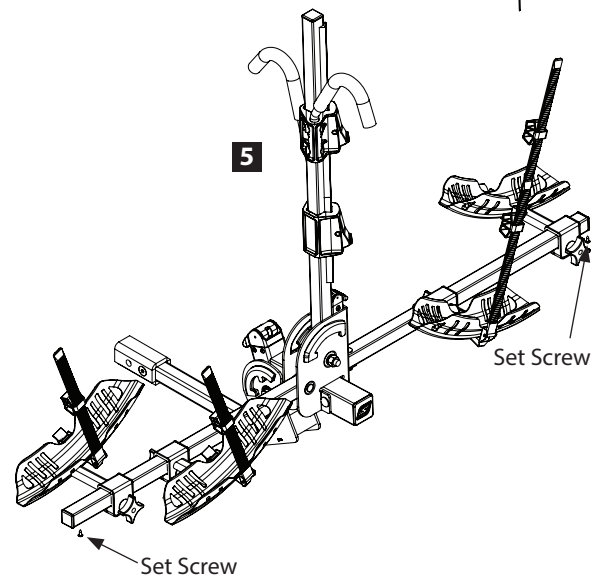
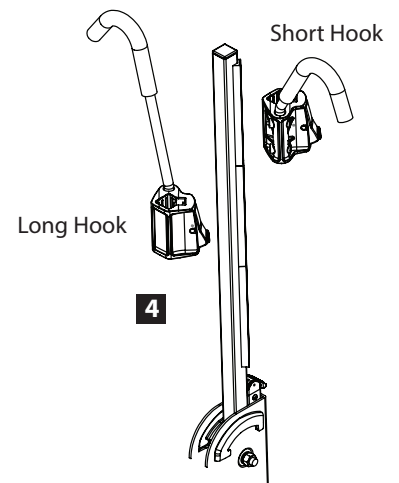
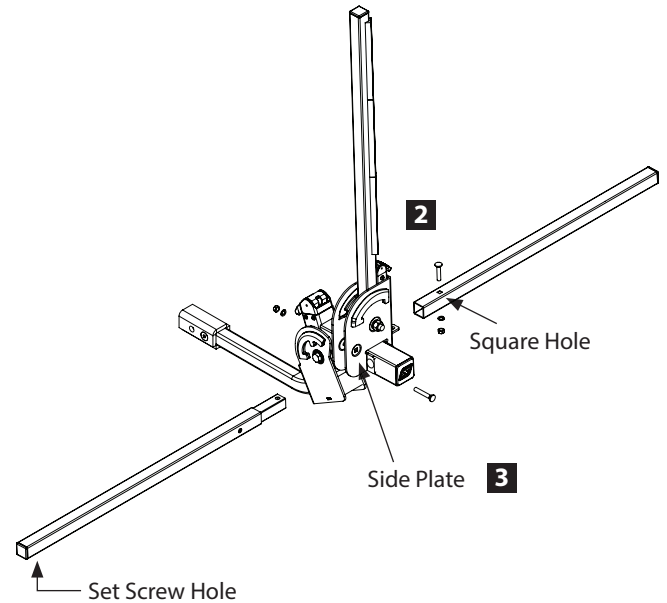


- A** 6mm x 70mm Carriage Bolts
- B** 6mm x 45mm Carriage Bolt
- C** 6mm x 50mm Carriage Bolt
- D** Allen Key
- E** Threaded Hitch Pin
- F** Lock Head
- G** Self Taping Screws



Bike Installation:

1. Pull the lever on the bottom of the upright ratchet arm and fold down. This allows you to easily put the inside bike onto the rack. 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 these are adjusted tighten the knobs on the tray so that they are secure and cannot slide. Attach the strap to secure the wheel into the wheel tray.
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 ratchet arm. **IMPORTANT:** You should always ensure that the hook is located in the lowest position on the top tube. It is usually at the 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.
6. 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.
7. 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.

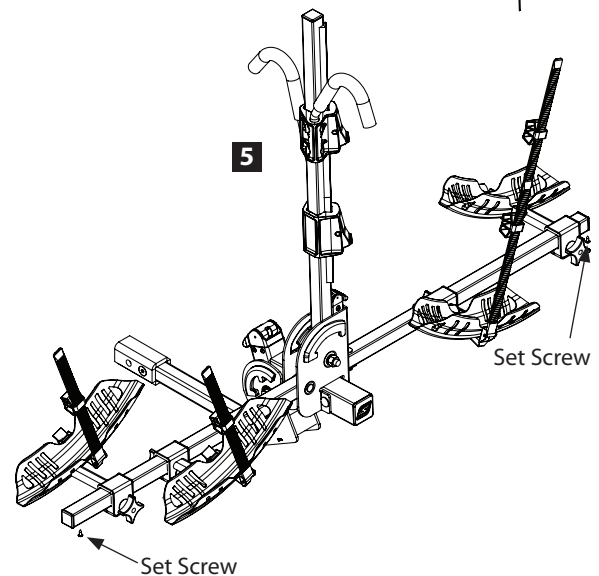
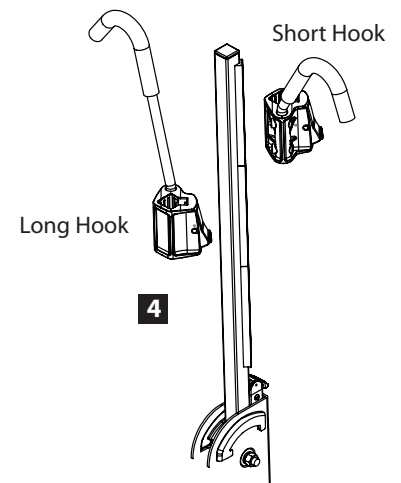
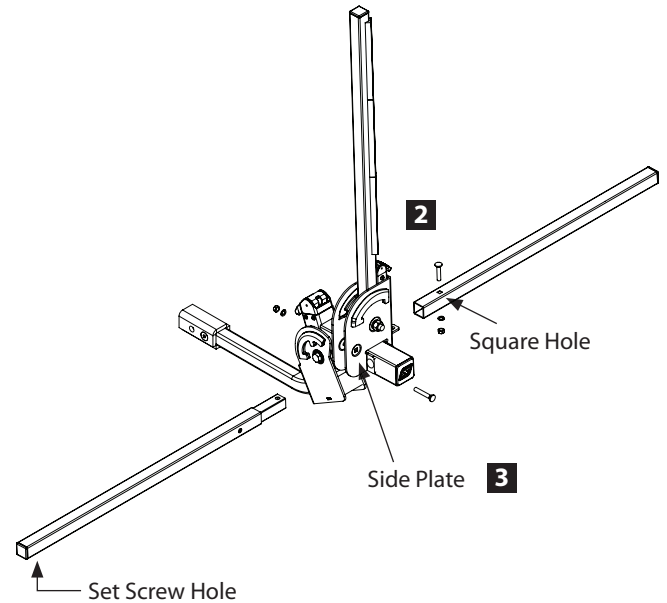


WARNING

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.

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