



US RACK,™ Inc. - 2850 Falcon Drive, Madera, CA 93637 - 559-661-3050

**INSTRUCTIONS for MOTORCYCLE RACK with Cradling Wheel Chocks**  
**WARNING: Do NOT attempt to install or use this rack without following all instructions.**

**SPECIFICATIONS and SAFETY REQUIREMENTS**

This rack is intended for pickup trucks with conventional in-board bedrails measured 53” to 59” (small size) or 59” to 65” (large size) apart. It is not intended for Toyota trucks with deck rail systems or Nissan Trucks with Utili-Track systems. The rack is designed to carry not more than three dirt or street motorcycles with tires not more than 5-1/2 inches wide. The rack helps stabilize the lateral movement of the front wheel only.

**BE SAFE: Follow all instructions below. Carrying any motorcycle can be hazardous. Make sure all bikes are securely tied down against unexpected winds and vibrations caused by road hazards such as potholes. Check periodically and each time you use the rack to ensure that all fasteners are tight. U.S. Rack cannot be responsible for injury or damage resulting from improper installation or loading of racks. U.S. Rack does NOT warranty any automotive product and does not warranty truck bed rails against damage caused by the weight of excessive loads or forces applied to them when the rack is installed on a vehicle.**

This rack is intended to carry bikes weighing not more than 600 lbs on paved roadways. It is not intended for use off-road or on poorly maintained roads. The rack must be used with tie-downs to stabilize the motorcycle. The rack is intended to supplement NOT REPLACE the use of tie-down straps. This rack should be checked periodically to ensure that it has not come loose or slide toward the rear of the truck. Carry your bike with the truck tailgate up or with a secure bed extender at the rear to ensure that the bike cannot slide out of the rear of the truck in case of strap or rack failure. Use supplemental tie downs to tie-down the rear of the motorcycle.

**INVENTORY (Refer to Figures 1, 2, and 3 below)**

1. Rack Frame (male and female sides) (1)
2. Wheel chock receivers (mirrored pair for each wheel chock). (Includes 3-inch stainless steel shield)
3. Wheel chock (with black webbing), including: 3A. Long screw (2/chock); 3B. square metal cap(2/chock)
4. Moveable tie-down, including: 4A. Stainless steel shield (1/tie-down) and 3/8-16 x 3/4” Button head cap screw (not shown) (1/tie-down)
5. Clamp assembly (2) containing: 5A. Button head cap screw (2); 5B. black nylon washer(2); 5C. metal washer (2); 5D. “U” shaped clamp bottom(2). (If you ordered security fasteners, the cap screw has a pin within the hex.)
6. Headrail Bracket, including: Allen wrench 6A (1); black nylon washer 6B (2); 3/8-16 x 3/4” Button head cap screw (2) (not shown; similar to but shorter than 5A)

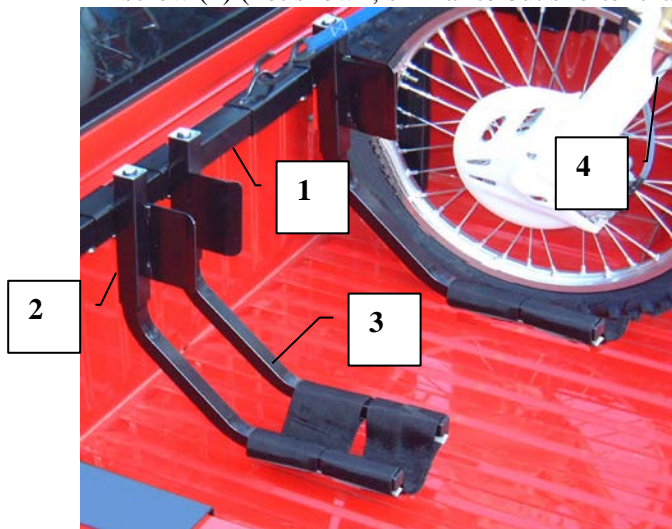


Fig. 1

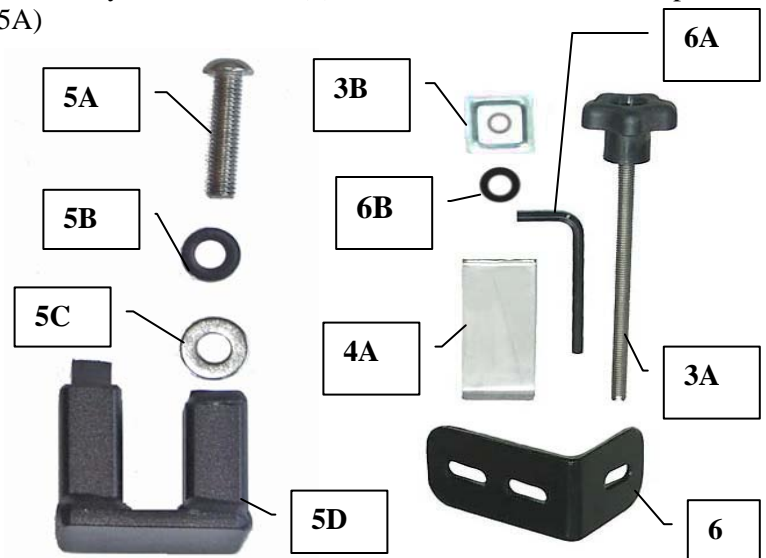


Fig. 2

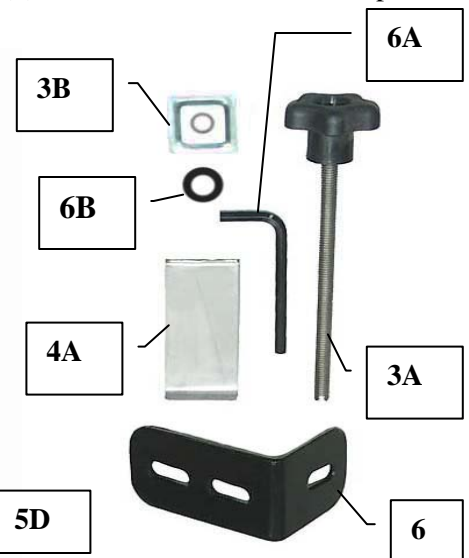


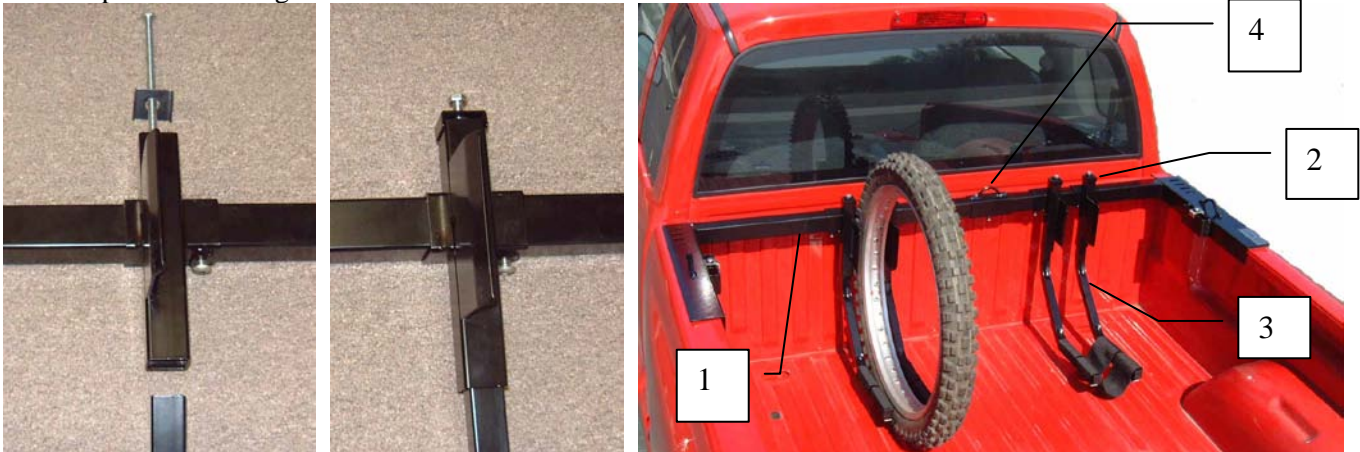
Fig. 3

## ASSEMBLY AND INSTALLATION

Read ALL instructions through once BEFORE you do anything!

**Your safety is paramount.** Before assembling the rack, inventory and inspect all parts. Visually check each part to ensure it corresponds to the inventory list and check all welds for signs of cracking or weakness. If you do not have all the correct parts, or if any parts appear to be defective, STOP and do NOT install the rack. Contact customer service at 1-888-877-2257 to replace missing or defective parts. If you have any questions about installation, call customer service. Read all instructions and warnings and review all photos prior to beginning assembly. Lay out all parts.

1. Place the two sides of the rack frame (item 1) on the ground and orient them so that it is possible to insert the male side of the rack into the opening on the female side of the rack, but do not yet slide them together. Orient them so that the 20-inch long “wings” on each side point in your general direction. You should now be looking at the top of the rack.
2. Locate and examine the Wheel chock receivers (item 2). Note that there are two kinds or receivers, which are mirror copies of each other. Hold a pair of receivers in your hands so that short ends of the narrow tubes are pointing upward, so that the end of the plates are pointed toward you, and so the threaded hole in each short tube is on the outside and pointing down.
3. Locate one wheel chock (item 3). Note that the wheel chock tubes are connected with black webbing. Orient them so that the webbing is at the bottom. Unscrew the long screw with plastic knob. Insert the top of each wheel chock tube up into the bottom of the receiver tubes, then re-insert the long bolt with washers down through the top and screw the bolt back into the threads in the top of each wheel chock tube. Draw the chocks the desired amount into receiver by tightening the screw. Fig. 4 shows unassembled wheel chock and receiver components and Fig. 5 shows the assembled wheel chock in the receiver.



**Figs 4. & 5.** Wheel chock and receiver during assembly **Fig 6.** Mounted rack with wheel in webbing of wheel chock

4. Locate and examine the Moveable tie-down (item 4) and the stainless steel shields (item 4A). The long shield must be inserted into the bottom of the movable tie-down as shown in Fig. 7. Its purposes are to better fix the tie-down in place when the set screw on the bottom side of the tie-down is tightened and to protect the coating on the rack frame from damage. The short shield is used in conjunction with the wheel chock(s).
5. Lift the female side of the rack and slide a set of receivers with the attached wheel chock onto the tubular end of the rack. Before sliding-on the receivers, however, insert a 3-inch long stainless steel shield into the short tube of the receiver in the manner described in paragraph 4, above. Next locate the moveable tie-down with inserted shield and set-screw and slide it onto the female side of the rack. Make sure to orient the metal loop on the tie-down so it is pointing up or toward you. If you have a second wheel chock, slide the second onto the female end of the rack. You may insert a third wheel chock onto the female side of the rack after sliding on a second tie-down. Eventually you should have one, two, or three wheel chocks with tie-downs between the first and second and between the second and third chocks. Now slide the male end of the rack into the female end. Pick up the rack and hold it so it is parallel to the ground and so the wings (sides) of the rack point toward your rear. Make sure the telescoping portion of the rack is compressed all the way together.
6. Lower the truck tailgate and step up into the truck with the rack. Position yourself just behind the cab.
7. Place the rack down onto the truck so that the wings on each side of the rack rest on the bedrails. It may be necessary to lengthen the telescoping portion of the rack a bit to make it fit your truck bed. Place it so that the

telescoping portion is located just behind the front wall of the cargo box. Push the rack forward so that the front of the rack contacts the front wall of cargo box. Now push the rack apart so that the wings of the rack are snug up against the inside edge of your bedrail. Move the wheel chocks and tie-down(s) to a desired location along the bar. After mounted the assembled parts should be as shown in Fig. 6, above.

8. *If you have purchased a stake pocket anchor system to install in your front pockets you should install it in accordance with assembly instructions. After the metal plate is installed, it should appear as in Fig. 8, below. Now adjust the wings so that one of the oblong holes sits directly above the threaded hole in the top of the plate. Insert the islet through the oblong hole and screw into the threaded hole in the anchor system plate. When completed the rack should be mounted as shown in Fig. 9.*



**Fig 7.** Shield inserted in tie-down    **Fig 8.** Stake pocket assembly and islet    **Fig 9.** Islet screwed into stake pocket

9. Figure 2, above, shows the clamp assembly. Locate the “U” shaped clamp hook (item 5D) and hold it so that the bottom of the “U” is down. Remove the screw (item 5A), black nylon washer (item 5B), metal washer (item 5C). In accordance with Fig. 10 thru 14, place the rubber end of the clamp bottom under the bedrail, then insert the threaded end up into the bottom of the clamp housing on the inside of the wing. You should then slide it in the channel as far forward toward the front of the bed as possible. If there is any obstruction under the bedrail, move the hook backwards until you find a good place to seat it. Locate the button-head cap screw and place the black nylon washer, then the large flat washer (C) onto it. Insert the cap screw down through one of the holes in the top of the metal housing into the threads of the clamp bottom and tighten until the rubber end of the clamp hook contacts the bottom surface of the bedrail. Using the Allen wrench firmly tighten the screw, but not so tightly that you strip the screw or dent your bedrail. When attached the clamp assembly should appear as in Fig. 14 and the underside of the bedrail should appear as in Fig. 15.



**Fig. 10**



**Fig. 11**



Fig. 12



Fig. 13



Fig. 14.



Fig. 15.

10. If you have an over-the-rail bedliner, you must make a hole in it. If you purchased a bedliner kit, mark your bedliner adjacent to where the clamp assembly screws into the rack. Using the 2" hole saw, drill a hole with its center 2-1/2" (2.5) below the top of your bedliner. Later, if you remove your rack, use the round plastic caps to fill the holes. **Warning: be careful that you cut very gently. Drilling through too hard will cause you to scratch your bedrail.**

11. Locate and examine one of the Headrail brackets (item 6) and review Figs 16 thru 18. The purpose of the Headrail bracket is to clamp around the headrail (front bedrail) and prevent the rack from sliding toward the rear. Notice that it has two legs, each with an oblong hole. The sides are not of equal length because headrails have different widths. If your truck has a narrow headrail you should place the short leg on top and if your truck has a wide headrail you should place the long leg on top. Place the bracket on top of the headrail with the other leg reaching around the front of the headrail and pointing down. Place the oblong hole over the holes in the top of the rack frame; thread a 3/4" button head cap screw with black nylon washer into the hole. Squeeze together so that the frame is firmly in contact with the back of the headrail and the bracket is in firm contact with the front of the headrail. Tighten the screw firmly to prevent movement.

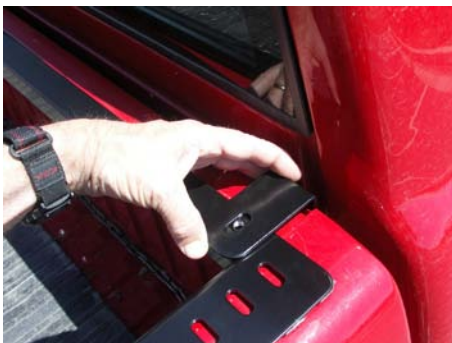


Fig. 16

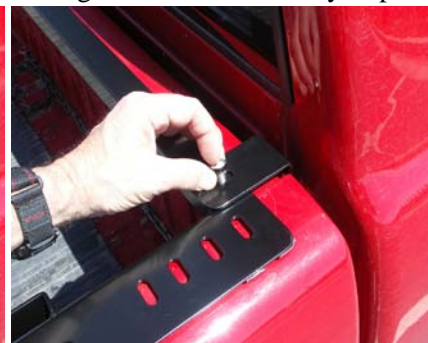


Fig. 17



Fig. 18

12. To carry a motorcycle, before placing the front wheel into the chocks, first adjust the height of the chocks by screwing the head of the bolt projecting from the top of the wheel chock receiver. The bottom of the webbing should be such that when the wheel of your bike is resting it and the top of the chocks have been squeezed together against your tire, the bottom of the tire should ride about 1 inch above the floor of the bed. When properly adjusted so that the plates on the side of the tire are in contact with the sides of your front tire, it should be possible on level ground to gently let go of your bike. Most but not all bike will stand while you tie it down. Since each bike is different, try this carefully until you are sure the bike is stable before letting go. See Fig. 19.



**Fig. 19**

13. **Warning: Never move your truck without first tying the bike down securely.** To remove the motorcycle rack, reverse these procedures.

### **WARRANTY**

U.S. Rack products are warranted for a period of one year against all structural defects in materials and workmanship provided that they are assembled, installed, and used in accordance with all manufacturer's specifications and instructions. U.S. Rack **cannot warrant the powder-coating** on its products. Normal use of any powder-coated rack and exposure to weather can result in scratching of the surface, exposing metal below; therefore, maintenance on your rack will be required. To prevent rust, spot paint any scratches or breaks in the surface with a high quality metal paint. **Merchandise must be returned in the original box and packaging.** See return policies and procedures at [http://www.usrack.com/merchandise\\_return\\_policy.php](http://www.usrack.com/merchandise_return_policy.php)