



US RACK,™Inc. - 2850 Falcon Drive, Madera, CA 93637 - 1-888-877-2257

**--INSTALLATION AND USE INSTRUCTIONS--**

**WARNING: Do NOT attempt to install or use this rack without following all instructions.**

**SPECIFICATIONS and SAFE LOADING REQUIREMENTS**

The Three-Ladder Rack is designed to carry ladders or other rigid items not exceeding 250 lbs. of distributed weight on pickup trucks. **It is not designed to carry loads on unimproved or poorly maintained roads. It is not designed to carry loads where a weight of over 125 lbs. is concentrated on either the front or rear portion of the rack or where more than 75 lbs. rests on either Horizontal Arm.** Excessive loads can pry the rack away from the bedrail lip. Watch this carefully to prevent damage or injury. U.S. Rack does NOT warrant truck bedrails or other truck parts against damage caused by the weight of excessive loads being applied to them when the rack is installed on a vehicle. **U.S. Rack is not responsible for injury or property damage resulting from the rack being improperly installed or loads being improperly tied down. If you cannot install and use this rack in accordance with all specifications and instructions, do not install or use this rack. Call our customer service line at 1-888-877-2257 for assistance.**

**BE SAFE: Carrying any load can be hazardous.** All loads must be tied securely to the rack to prevent them from vibrating or sliding forward, backward, or laterally or being blown off or broken by the wind. **Make sure all parts of loads are securely tied down against unexpected winds or shocks and vibrations caused by unexpected road hazards such as potholes. Each day and each time you install or load the rack, inspect to ensure that all connections are tight. U.S. Rack is not responsible for injury or property damage resulting from cargo falling or being blown off a vehicle as a result of being improperly loaded or inadequately secured.** Be careful to avoid striking your head on the rack as you pass along the side of your truck. Ensure that loads do not extend more than 6 inches out from the side of the truck body. Loads extending beyond the rear bumper of the vehicle must be designated with a red flag (daylight) or red light (darkness) in accordance with the applicable state vehicle code. Do not allow any part of the rack or load to interfere with the driver's clear view in any direction or to interfere with the clear visibility of lights.

**INVENTORY**

**CONDUCT INVENTORY.** Inventory the box to ensure all parts are present as shown in photo 1.

- A. Horizontal Arm (x2)
- B. Diagonal Arm (x2)
- C. Clamp Top (x2)
- D. Clamp Bottom (x2)
- E. Base Tube (x2)

**Hardware not labeled in photo:** 3/8-16 x .75" button-head cap screws (x2); 3/8-16 x 1.5" button-head cap screws (x2); 3/8-16 x 2.5" button-head cap screws (x4); 3/8-16 x 3.5" button-head cap screws (x4); 3/8-16 nylon lock nuts (x6); metal flat washers (x10); nylon washers (x12); 7/32" Allen wrench (x1).

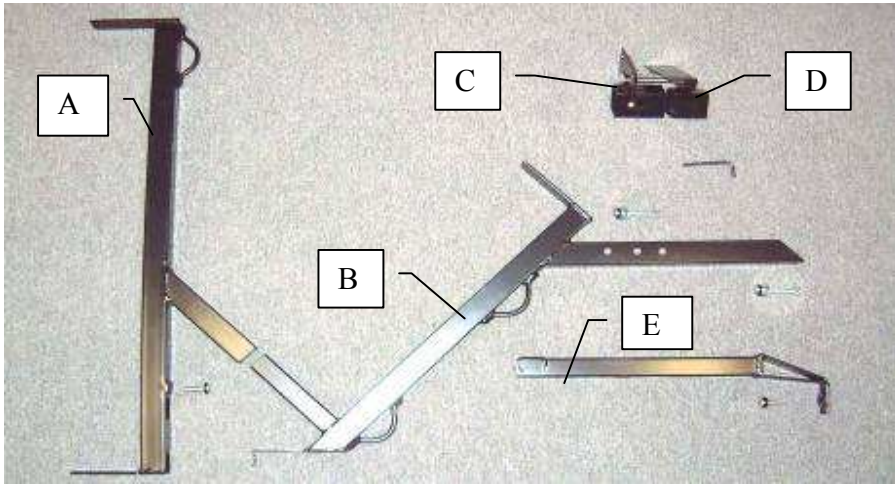


Fig. 1

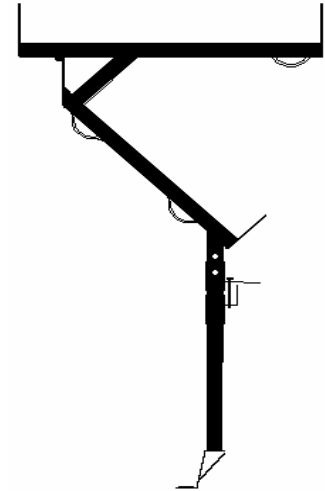


Fig. 2

### **ASSEMBLY**

*You will need a tape measure, pencil, level, and an electric drill with 3/8-inch metal bit.*  
**READ THROUGH ALL INSTRUCTIONS ONCE BEFORE YOU DO ANYTHING!-IT SAVES TIME**

**Your safety is paramount.** Because manufacturing and shipping mistakes can occur, before assembling the rack, inventory and inspect all parts. Visually check each part to ensure it corresponds to the inventory list and photo and check all welds for signs of cracking or weakness. **If you do not have all the correct parts, if the rack you received does not appear to fit your model truck, 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 or answer questions on installation.

After inventorying parts and before installing the rack, it is necessary to assemble a few of the parts.

1. **ASSEMBLE MAIN BODY OF RACK.** Locate one Horizontal Arm (A) and one Diagonal Arm (B). Orient them as shown in Fig. 1 and insert the male extension on the top of the Diagonal Arm into the female receiver on the bottom of the Horizontal arm. When fully inserted, the threaded hole on the bottom of the Horizontal Arm should align with the hole in the metal strap projecting upward from the Diagonal Arm. Thread a .75-inch long screw with black nylon washer into the hole and tighten firmly with the Allen wrench. Assembled parts should appear as shown in Fig. 2.
2. **ASSEMBLE CLAMP.** Locate a Clamp Top (C) and Clamp Bottom (D). Orient and connect them using two 3.5-inch screws with nylon washers and metal washers, turning the screws just a few turns into the threaded holes. Slide assembled clamp onto the bottom of Diagonal Arm as in Figs. 2 and 3.
3. **INSERT BASE.** Locate and insert Base Tube (E) into bottom of the Diagonal Arm as in Fig. 2.
4. **ASSEMBLE SECOND SET OF PARTS.** Assemble remaining parts in same manner as the first set of parts to form a second assembly that looks like Fig. 2.

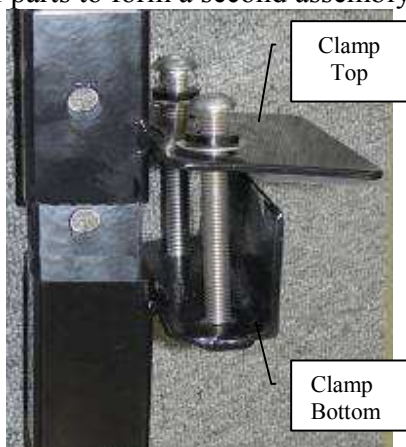


Fig. 3



Fig. 4

## INSTALLATION

5. **PLACE THE RACK IN TRUCK.** Select one of the rack assemblies and place it inside the bed of the truck adjacent to the bedrail near the front of the bed on the passenger side of the truck, so that the open side of the assembly is pointing toward the outside of the truck as shown in Fig. 4. Unthread the screws holding the clamp assembly together and separate the Clamp Top from the Bottom. Slide the Clamp Top up to a point where it can rest on top of the bedrail. Slide the Clamp Bottom up until the vertical portion of the Clamp Bottom inserts behind the lip of the bedrail. Move the entire rack as far to the front of the bed as possible while still allowing the Clamp Bottom to remain under the lip. Re-thread the screws into the assembly, and tighten the screws with the Allen wrench to draw the Clamp Top and Bottom together, as shown in Fig. 5, below. Tighten just enough to keep the rack from sliding or falling over.
6. **IF APPLICABLE, CUT BEDLINER.** *If you have an over-the-rail bedliner, you must access the area behind the lip of the bedrail to ensure it is clear of obstructions so the Clamp Bottom can be placed. The lip of the bedrail may extend down 1 to 2 inches from the top. Cut a horizontal slit in bedliner below the lip just long enough to probe with your fingers behind the bedrail lip to see if it is clear. If it is too tight, you may have to cut vertical slits down from the ends of the horizontal slit for more access. If the area behind lip is clear, attach the Clamp Bottom and Top as described above.*
7. **SET HEIGHT OF RACK AND ATTACH CLAMP TO BODY OF RACK.** After clamping the rack gently to the bedrail you must elevate, plumb, and level it by sliding the Horizontal Arm up until the top of the bar it is at least 2 inches above the cab of the truck. Use a level as shown in Fig. 6 to set the height. Next raise or lower the Diagonal Arm to align one of the three holes in the Diagonal Arm with the hole in the Clamp Top as shown in Fig. 5. Insert a 2.5-inch long screw through the hole and tighten with a lock nut; use a nylon washer on the head side and metal washer on the other end.
8. **IF APPLICABLE, DRILL BASE TUBE.** *If the Base Tube extends up high enough inside the Diagonal Arm to prevent sliding the screw through the hole, additional steps are needed. Ensure first that the rack is plumb and that the bottom of the Base Tube sits flat on the floor of the bed. Then mark the Base Tube through the aligned holes in the Clamp Top and Diagonal Arm. Finally drill a 3/8-inch diameter or larger hole in the Base Tube or cut a small portion off the top of the Base Tube with a hack saw, so the screw can be inserted all the way through without interference.*
9. **ATTACH BASE TO FLOOR OF TRUCK BED.** Ensure the bottom of the Base Tube sits flush on the floor of the bed, and use the level to ensure the rack is still plumb; then mark the floor of the bed through the center of the threaded hole at the bottom of the Base Tube. Loosen the clamp screws again and move the Base Tube to the side. Make a 3/8-inch diameter hole in bed with an electric drill at this location, ensuring first that the space below the floor is clear of wiring, gas tanks, or other obstructions. After drilling the hole, firmly screw a 1.5-inch long cap screw with nylon washer down into the threaded hole in bottom of base tube and set the screw into the hole in bed. See Figs. 7 and 8.
10. **ATTACH BASE TO BODY OF RACK.** Make a final check of the height of the rack, re-align the rack straight up and down, and ensure that the bolt in the bottom of the Base Tube sits down firmly in the hole in the floor and the Clamp Top sits firmly on the top of the bedrail. Examine Fig. 8, and then mark the Base Tube through the center of the hole at the bottom of the vertical portion of the Diagonal Arm. Remove the rack from the truck and drill a 3/8-inch diameter hole through both sides of the Base Tube. *Notice that the bottom of the Diagonal Arm is cut at a 45 degree angle. This cut allows the screw and nut to draw the Base Tube firmly against the inside surface of the Diagonal Arm. However, the hole must be drilled straight through.* Insert a 2.5-inch long screw with black nylon washer on the head side and firmly secure with metal washer and lock nut on the other side. Re-position the rack and firmly re-tighten the screws that squeeze the Clamp assembly to the bedrail. For extra security or if you want to mount the rack permanently to your truck, you may apply the remaining washers and lock nuts to the screws projecting down through the floor of the truck bed.

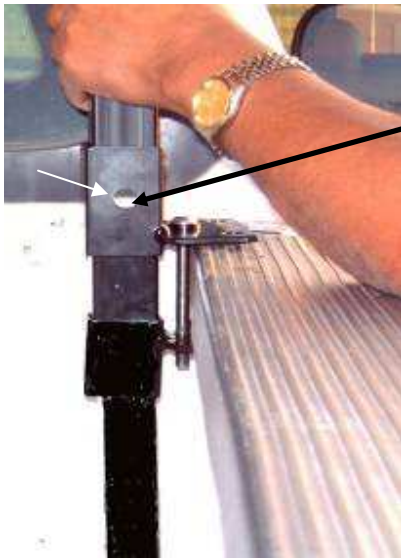


Fig. 5

HOLE IN CLAMP TOP MUST ALIGN WITH A HOLE IN DIAGONAL ARM



Fig. 6



Fig. 7

**11. INSTALL REAR ASSEMBLY.** Assemble and install the rear portion of the rack in the same manner as front. To be properly installed, both portions of the rack must sit firmly in the bed without moving. Periodically check the screws and nuts to ensure they remain tight, especially on bumpy roads. Loads can be tied down to the metal loops and tie-down hooks provided. Do NOT carry any cargo without tying it securely to the rack; frequently check tension on all ropes and straps.

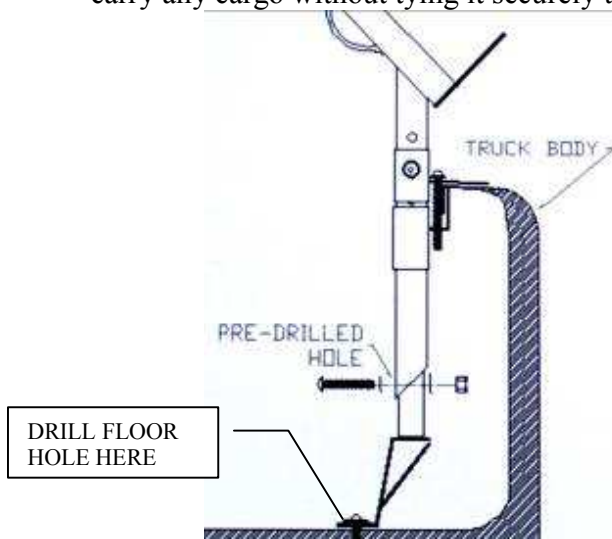


Fig. 8



Fig. 9

### 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. Although the surface of the steel is electro-chemically treated to inhibit rust prior to powder-coating, normal outdoor use of your rack will result in scratching and weathering of surfaces, thus exposing the steel to moisture; 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.

**Any returned merchandize must be shipped in the original box and packaged to prevent damage.** See return policies and procedures at <http://www.usrack.com/service.html>