



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

## INSTRUCTIONS for UTILITY RACK

### SPECIFICATIONS and SAFE LOADING REQUIREMENTS

The Utility Rack is intended to carry ladders and other cargo not exceeding 500 lbs and ONLY on pick-up trucks with cargo beds having an interior width of 54 to 60 inches between bedrails. Bedrails MUST be of a conventional type with a vertical lip extending down one inch or more on inside of bed. **This rack is designed to carry loads, which are spread across the width of the support spans and shared evenly between the front and rear spans. It is not designed to carry loads where a force of over 150 lbs. is concentrated on any space less than 12 inches wide along either span or where a force of over 250 lbs overall is loaded on either span. This product is not warranted for use off-road or on unimproved or poorly maintained or bumpy roads, nor is warranted when used contrary to instructions or specified uses.** U.S. Rack does NOT warrant any automotive product and does not warrant truck bed rails against damage or failures 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 improperly loaded, nor is it responsible for injury or property damage resulting from loads or parts of loads falling or being blown off a vehicle.** Loads extending beyond the rear bumper of the vehicle must be designated with a red flag during daylight or red light during darkness in accordance with the state vehicle code. Ensure that neither the rack nor any cargo blocks the view of tail or brake lights from rear.

**BE SAFE:** Carrying any load can be hazardous. All loads must be tied down securely to the rack to prevent them from vibrating or sliding forward, backward, laterally or being blown off or broken by unexpected wind or road hazards such as potholes. Check each time you install the rack, load the rack, as well as daily to ensure that all connections are tight. Periodically check welds for cracking caused by metal fatigue. Avoid roll over by ensuring that loads are not top-heavy. High loads must be transported with GREAT CAUTION to prevent loads from striking low overhead objects or tipping during turns, abrupt stops, or high winds.

### INVENTORY

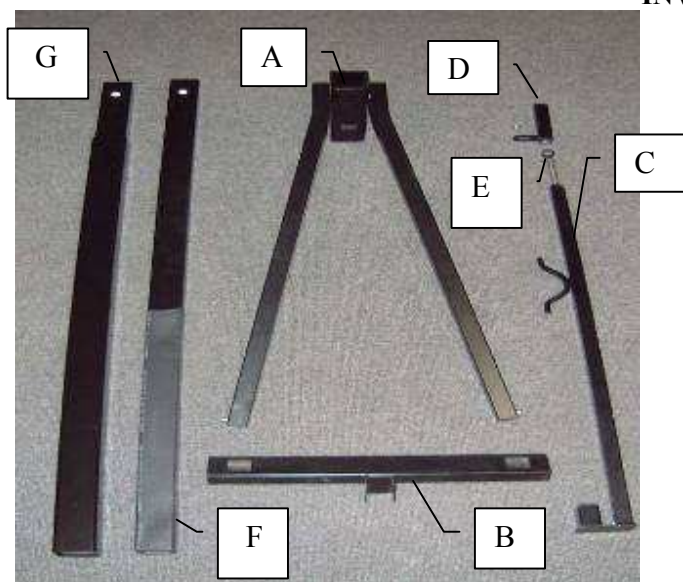


FIG. 1

The Utility Rack consists of these parts:

- A. Leg Frames (4)
- B. Bases (4)
- C. Clamp Tubes (4)
- D. Nut Tubes (4)
- E. Washers (4)
- F. Male End of Spanners with rubber sheath (2)
- G. Female End of Spanners (2)
- H. Also included but not shown are setscrews (2); cap screws (4); and an Allen wrench (1)

NOTE THAT SCREWS AND SMALL PARTS MAY BE FASTENED TO OTHER PARTS.

## ASSEMBLY

Read ALL instructions through once BEFORE you do anything!

1. **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.
2. Examine the Clamp Tubes and remove the Washers and Nut Tubes, if they are screwed on. Set these all aside.
3. Attach the Leg Frames to the Bases. Study Fig. 2, below. Notice the orientation of the Leg Frames in relation to the Bases. Note that the short end of the tube at the top of the legs is on the same side as the U-shaped projection on the side of each Base. Depress the snap buttons on each leg and insert the leg ends into the square holes in the Bases while maintaining this orientation. If you insert them incorrectly, remove the plastic caps on the Bases to access the snap buttons and try again.
4. Assemble the Spanner by inserting the rubbery end of the male into the female end of the Spanner so that the round holes on both ends of the Spanner face upward.
5. Slide a Leg Frame onto each end of the Spanner so that the legs hang down and flare outward. When assembled, the round holes of the Spanners should be visible in the center of the square hole on the top of each Leg Frame.

## INSTALLATION

6. Lower the tailgate of your truck and step up inside with the Spanner and Leg Frames you have just assembled. Place the Bases on the bedrails on each side of your truck just behind the cab. Extend the Spanner if necessary until the U-shaped projection on the side of each Base makes contact with the inside edge of each bedrail as shown in Fig. 3. The hole in each Spanner should remain visible in the center of the square hole on top of each Leg Frame as shown in Fig. 4.
7. Select a Clamp Tube and insert the threaded end from below into the square hole on the bottom of each Leg Frame until the threads project up through the Spanner and come out through the hole in the top of the Leg Frame. Allow the Clamp Tube to hang straight down so it is aligned between the sides of the U-shaped projection on the Base as shown in Fig 5.
8. Place the rubber end under the bedrail and lift to hook the rubber block under the bedrail as in Fig. 6.
9. Place a Washer on the threaded top of each Clamp Tube as shown in Fig. 7.



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8



FIG. 9

10. *If you have an over-the-rail bedliner and have purchased a bedliner kit, mark your bedliner adjacent to where the clamp tube hangs down. Using the hole-saw, drill a hole with its center 2-1/2" below the top of your bedliner. When you remove your rack, use the round plastic caps to plug the holes. **Warning:** Be careful that you cut very gently. Drilling*

*through too hard may cause you to scratch your bedrail. Before cutting, pull bedliner back to inspect your bedrail to ensure no obstructions are under the bedrail.*

11. Screw a Nut Tube onto the threads of the Clamp Tube and tighten HAND-TIGHT until it draws the bottom of the Clamp Tube up firmly under the bedrail. This should be tight enough so the rack does not vibrate loose or move on the bedrail, but not so tight that it strips the threads or bends the truck bedrail. Carefully tighten and observe to ensure safe installation.

12. After tightening it center the oblong hole in the tab projecting from the side of the Nut Tube over the threaded hole atop the Leg Frame. Insert a screw and tighten with the Allen wrench as shown in Fig. 8. If you have purchased tamper-resistant screws, they have a pin in the center of the hexagon which fits the hole in the end of the Allen wrench.

13. Stand in the bed near the middle of the Spanner; grasp a nut tube with each hand. Pull gently together to take slack out of the Spanner. Firmly tighten the set screw on the underside with Allen wrench to fix the width of Spanner as in Fig. 9.

14. Assemble and install the rear part of the rack in the same manner as the front. When properly installed both front and rear of the rack will sit firmly on the bedrails without moving. Loads can be roped or strapped to the tie-downs on Clamp Tubes and/or Bases. Ensure that when loads are tied, the strap or rope tension is not so great as to bend or loosen parts. The load being carried, road and driving conditions, temperature, and weather can all affect vibration and tension on parts.

**YOU are responsible to frequently check tension on threaded parts and on straps to ensure all remain tight.**



### **WARRANTY for UTILITY RACK**

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/service.html>

