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INSTRUCTIONS for UTILITY RACK on the TOYOTA TACOMA and TUNDRA with DECK RAIL SYSTEM and for the NISSAN FRONTIER and TITAN with UTILI-TRACK SYSTEM
WARNING: Do NOT attempt to install or use this rack without following all instructions.

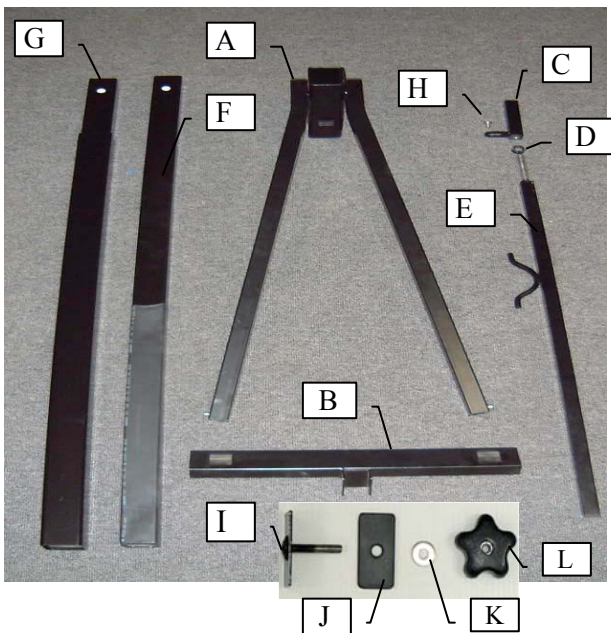
SPECIFICATIONS and SAFE LOADING REQUIREMENTS

These instructions are intended for use only upon the Toyota Tacoma or Tundra with Deckrail System or the Nissan Titan or Frontier with Utili-Track system. This rack is designed to carry ladders, boats, canoes, kayaks, lumber, or other cargo not exceeding 500 lbs.

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. 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 wind. 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 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.

BE SAFE: Carrying any load can be hazardous. Make sure all parts of all loads are securely tied down against unexpected winds and vibrations caused by 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. Avoid roll over. As with all racks, ensure that loads are not top-heavy. Loads should be placed so that the center of mass of the load is no closer that 24" from the sides of the rack. High loads must be transported with GREAT CAUTION to prevent loads from striking low overhead objects and from tipping during turns, abrupt stops, or high winds.

INVENTORY



The Utility Rack consists of 7 main parts:

- A. Leg Frame (x4)
- B. Bases (x4)
- C. Nut Tube (x4)
- D. Extra thick nylon washer (x4)
- E. Clamp Tube (x4)
- F. Male Crossbar with rubber sheath (x2)
- G. Female Crossbar (x2)
- H. 5/16-18 x 3/4" button head cap screws (x4)
- I. Track insert (x4)
- J. Nissan insert plate (x4) for Nissan trucks only
- K. Metal washer (x4)
- L. Star knob

Also included but not shown: Allen wrench (x1); safety blocks and screws with washers (x2)
NOTE THAT SCREWS AND SMALL PARTS MAY BE FASTENED TO OTHER PARTS.

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.

ASSEMBLY

Read ALL instructions through once BEFORE you do anything!

1. **Attach Leg Frame to Base**, after you have inventoried and inspected all parts. This is the hardest part of assembly. Study the Fig. A, below, and note the orientation of the Leg Frame in relation to the Base. Note that the long part of the tube at the top of the legs is on the side opposite the channel projection on the side of the Base. While depressing the snap buttons, insert the leg ends into the Base while maintaining this orientation. If you insert them incorrectly, remove the plastic caps to access the snap buttons and try again.
2. **Attach Male and Female Crossbars.** To assemble the front part of the rack, select one Male Crossbar and insert it fully into a Female Crossbar so that the round holes on both ends of the assembly point UP.
3. **Attach Leg Frame/Base Assembly to Crossbars.** Slide a Leg Frame/Base assembly on each end so that the legs hang down and flare outward. When assembled, the round holes atop the crossbar should appear at the center of the square hole on the top of each Leg Frame.
4. **Attach Clamp and Nut Tubes.** Pick up the Clamp Tubes and remove the Nut Tubes, exposing the threaded ends. Insert the threaded end up through the square hole on the bottom of each Leg Frame until the threads project up through the Crossbar and come out through the round hole in the top. See Figures B-1, B-2 and B-3, below. Place an Extra Thick Washer on each threaded end, then screw a Nut Tube a few turns onto the end of each Clamp Tube and let the Clamp Tube hang loosely down. Continue to screw the Nut Tube onto the threaded spindle until one of the holes at the bottom of the clamp tube is about level with the middle of the Deck Rail or Utili-track attached to the inside of the truck bedrail.



FIG. A



FIG. B-1



FIG. B-2



FIG. B-3



Fig. C (on Tacoma)

INSTALLATION

5. **Place Rack on Truck.** Lower the tailgate of your truck. Pick up the assembled sections of the rack and step up into the truck. Expand the Crossbars as needed and place the rack on the bedrails of the truck so that each Base sits on bedrails as shown in Fig. C.

FIG. D-1

FIG. D-2

FIG. D-3



FIG. D-4



FIG. D-5



FIG. D-6

6. **Attach Clamp Tube to Rail.** Photo sequence D shows the application of the rack to a Toyota truck with deckrail system. Figure D-2 shows the Track Insert placed into the track near one end; the Insert moved to the center of the base of the rack (D-3); Clamp Tube being centered and the end of the Insert passed through one of the holes in the Clamp Tube (D-4); a flat washer placed on the insert (D-5); and a plastic knob screwed and tightened firmly onto the end (D-6).

If you have a Nissan truck, examine the Nissan Insert Plate, which is a 2.5" long rectangular plate with a hole in the center. Insert the threaded spindle of the Track Insert into this hole and notice that this has the effect of increasing the side of the Insert to fit the larger Nissan Utili-track system. After placing the plate on the Track Insert, install the Insert in the same manner as shown above. Also see Figures F-1 and F-2.



Fig. F-1 (on Titan)



Fig. F-2 (on Titan)



Fig. G

7. **Tighten Nut Tube.** Tighten each Nut Tub hand tight. This is tight enough to hold the rack firmly to bedrail, but not so tight that it damages or deforms Deckrail or Utili-track. A tab extends out from the side of the Nut Tube. Center the oblong hole in the tab over the hole atop the Leg Frame. Insert a short button head cap screw and tighten it with the Allen wrench as in Fig. G. Tighten it down only until it makes contact with the tab; do not tighten so much that it bends the tab.

8. **Insert Safety Block.** Figures E-1, E-2, and E-3 show the plastic safety blocks in white for better visibility, but your blocks may be black. The blocks are inserted into the back end of the track to ensure the Track Inserts cannot slide out the rear end. There is an oblong hole in the bottom of the Toyota Deckrail track. After inserting each block, insert a screw with a washer on it through the oblong hole and thread it up into the hole in the bottom of the block; tighten firmly. If you have a Nissan pickup with Utili-track system, see Figures F-1 and F-2 also. The Nissan Utili-track has no hole in the bottom of the track; therefore, it is necessary to drill a 1/4-inch hole centered in the bottom of the track about 1 inch from the back end of the track. Insert the safety blocks in a manner similar to that described above.



FIG. E-1



FIG. E-2



FIG. E-3

9. Ensure that the front and back sections of the rack are installed properly. Stand in the bed near the middle of each Crossbar and grasp a nut tube with each hand. Pull gently together to take slack out of each Crossbar. Firmly tighten set screws on underside with Allen wrench to fix the width of each Crossbar.
10. **When installed, both sections of the rack should sit firmly on the bedrails without moving. Loads can be roped or strapped to the tie-downs on the clamp tubes. Ensure that when loads are tied, the strap or rope tension is not so great as to bend or loosen parts. Road conditions, temperature and whether can affect vibration and tension on parts. The load, road, and driving conditions can affect the tension on all parts. Check tension on all threaded parts of the rack and on straps periodically to ensure they are tight.**
13. WHEN REMOVING THE RACK FROM THE VEHICLE IT IS IMPORTANT TO LOOSEN THE TENSION ON THE CLAMP TUBE BY LOOSENING THE NUT TUBE BEFORE UNSCREWING THE PLASTIC KNOB THREADED ONTO THE TRACK INSERT. REMEMBER TO UNTIGHTEN FROM THE TOP DOWN AND TIGHTEN FROM THE BOTTOM UP!



FIG. H – Rack mounted on a Toyota Tacoma



FIG. I – Rack mounted on a Nissan Titan

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.shtml>