



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

**INSTRUCTIONS for the Dual Rack for a Ford SPORT TRAC**

**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 Ford Sport Trac. This rack is designed to carry canoes and kayaks but can also carry ladders, lumber, or other cargo not exceeding 300 lbs.

**This rack is designed to carry loads, which are spread across the width of the crossbar and shared evenly between the front and rear crossbars. It is not designed to carry loads where a force of over 100 lbs. is concentrated on any space less than 12 inches wide along either crossbar or where a force of over 150 lbs overall is loaded on either crossbar. 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. The manufacturer 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. **The manufacturer 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 than 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.**

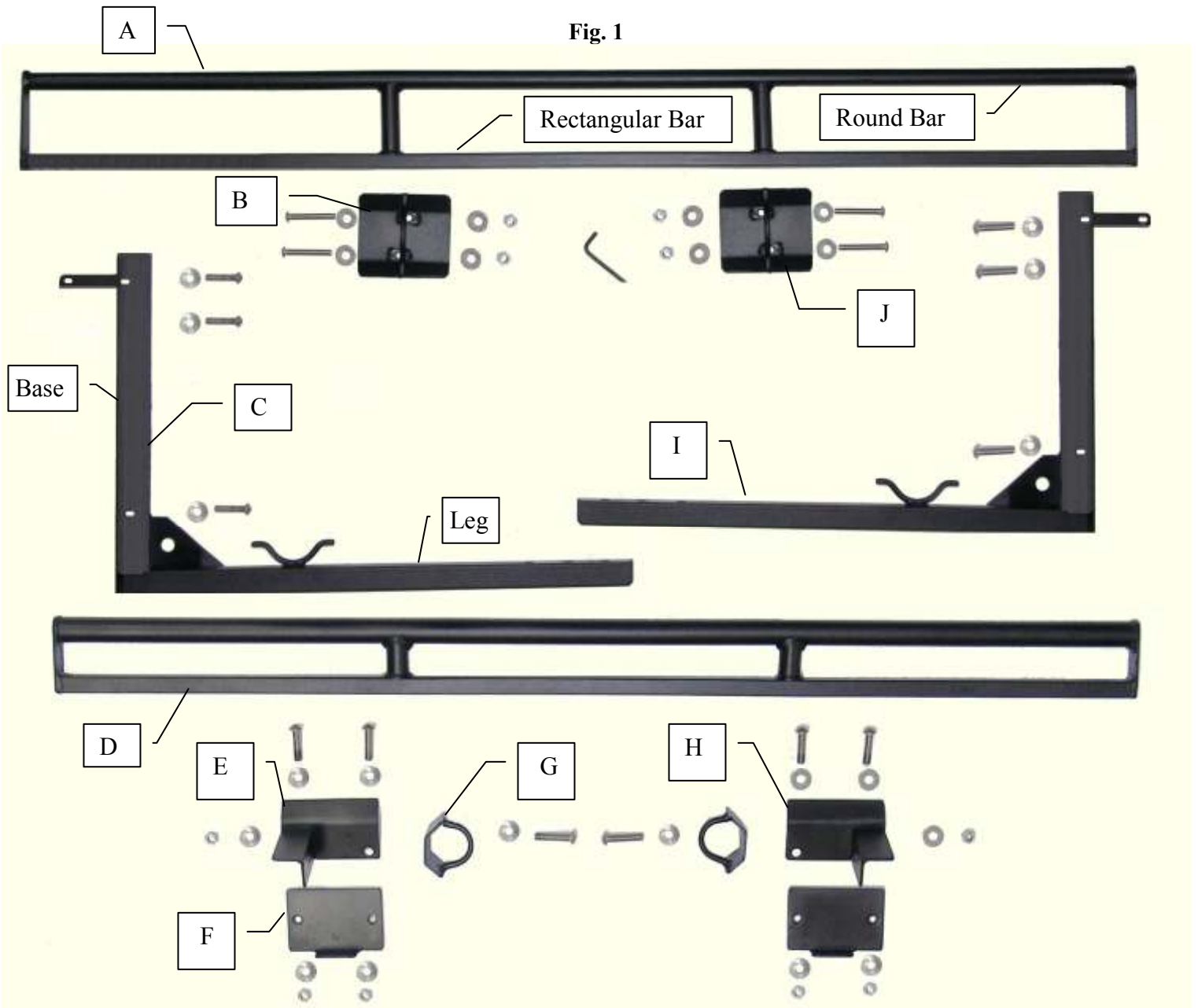
**WARRANTY**

This product is 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. The manufacturer **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>

**INVENTORY**

**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! 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. We will be happy to help.

Fig. 1



The Dual Rack for the Ford Sport Trac consists of these parts:

- |                                   |   |
|-----------------------------------|---|
| A. Dual Crossbar, Large (x1)      | B. Grip Plate, Large, Passenger Side (x1) |
| C. Leg, Passenger Side (x1)       | D. Dual Crossbar, Small (x1)              |
| E. Clamp Top, Passenger Side (x1) | F. Clamp Bottom (x2)                      |
| G. Grip Plate, Small (x2)         | H. Clamp Top, Driver Side (x1)            |
| I. Leg, Driver Side (x1)          | J. Grip Plate, Large, Driver Side (x1)    |

ADDITIONAL HARDWARE: 3/8-16 X 2.5" button head cap screw (x4); 3/8-16 X 2" button head cap screw (x6); 6mm-1.0 x 30mm hex head screw (x6); 3/8-16 nylon lock nuts (x10); metal washers (x26); Allen wrench (x1)

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

## ASSEMBLY and INSTALLATION

Read ALL instructions through once BEFORE you do anything!

1. **Attach the Legs to the Bedrails.** Place the driver-side Leg (C) on the driver-side bedrail of the truck near the tailgate of the truck with the base of the Leg pointing toward the cab as shown in Fig. 2 below. Match up the screw heads in the side of the composite bed with the holes in the base of the Leg. Remove the Leg, and referring to Fig. 2, tighten screw C well. This is necessary, because behind the composite wall of the bed a bar connects the nuts at B and C. If both screws are removed at the same time, the bar will rotate and nut B will rotate out of position. After tightening C, remove nuts A and B. Next place a fender washer on a small (6mm x 30mm) hex head screw. Place the Leg back on the bedrail of the truck and insert the screw with fender washer into hole B and turn into the threads several turns. Rotate the Leg clockwise, while gently pulling it away from the wall of the bed. By rotating the Leg pulling it away from the wall slightly you can access screw C. Remove screw C. Next realign the holes of the base with holes A and C and insert two more small screws with fender washers through the base of the rack at A and C. Tighten screws at A, B, and C well, to tighten the rack against the bedrail, but make sure the base of the rack is sitting all the way down on the bedrail and do not tighten the screws so much that you strip threads or otherwise damage parts. Attach the passenger-side Leg in the same manner.
2. **Attach the Large Crossbar to the Legs.** Next place a metal washer over the end of each 2.5" button head cap screw and insert them through the top two holes at the top of each Leg so that the threaded ends point towards the cab. Examine the Large Grip Plates; they are mirror images of each other. Notice that if you hold them so that the curved handle is facing toward the cab and is generally vertical, you can align the holes in the grip plates with the screws projecting from the Legs. If you can't match the holes in a particular Grip Plate with screws on the driver side of the truck, you will find that they match on the passenger's side. After matching the Legs and Grip Plates, place the large Crossbar against the front surface of the Legs so that both screws pass together between the top and bottom bars. Ensure that if you have Thule accessories you orient the crossbar so the rectangular bar is on top, otherwise place the round bar on top. Next place one of the Grip Plates against the crossbar to intercept the screws allowing the ends of the screws to pass through the holes in the Grip Plate. Place a washer on the screw and twist a nylon lock nut several turns on to each screw. After attaching the other Large Grip Plate near the other end of the bar, center the crossbar horizontally between the Legs and center each Grip Plate vertically between the round and rectangular bars. Notice in Figure 4, that the flat bar on the front of the Grip Plate aligns with the side of the Leg. This keeps the Leg, Grip Plate, and Crossbar aligned so that the Leg and Crossbar form a smaller angle of about 75 degrees. Tighten all screws with about equal tensions. When completed, each Grip Plate and the Crossbar should connect as shown in Fig. 4 and 5.



Fig. 2



Fig. 3



Fig. 4



Fig. 5

### 3. Attach Small Crossbar to Roof Rails.

Steps 1 and 2. Place one of the clamp tops on the top of one of the passenger side roof rail and place the end of the small crossbar on top of it as shown below. The photo shows them positioned near the back of the cab on the passenger side with one edge of the angle pointed toward the front of the truck, but the crossbar and clamp top can be positioned near the front of the cab if desired. Place a screw with washer through the hole in the small Grip Plate and place it through the hole in the vertical metal angle.



**Step 1**



**Step 2**

Steps 3 and 4. Place a washer and nylon lock nut on the screw and tighten loosely. Push down on the top of the bar to ensure that the bottom of the clamp top is flat down on the top of the roof rail.



**Step 3**



**Step 4**

Steps 5 and 6. Adjust the clamp top to ensure that both holes in the plate hang over the inside of the roof rail so the holes are free. Tighten the bolt until the vertical portion of the clamp top and the Crossbar form a right angle.



**Step 5**



**Step 6**

Steps 7 and 8. Place the clamp bottom below the clamp top and align the two holes in the bottom so they are directly below the holes in the top. Place a screw with washer down through the top holes and attach through the clamp bottom.



Step 7

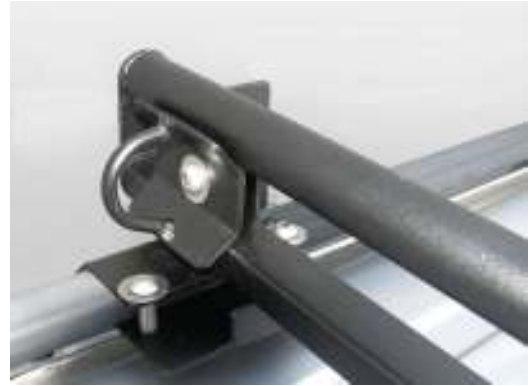


Step 8

Steps 9 and 10. Tighten the screws until the rack is clamped firmly to the roof rails. Attach the other side of the rack in the same manner until it appears as shown.



Step 9



Step 10

- Adjust and Lock Crossbar.** After attaching the rack, double check to see if the Crossbar is centered between the Legs and ensure that the angles of the back Legs are the same on each side. Also check the height of the rack. If the rack is too short or too tall, the screws holding the Crossbar to the Legs can be changed to the other holes. After the parts are properly centered tighten the screws holding the Legs to the Grip Plates firmly until there is no movement when moderate pressure is applied to the side of the Crossbars. When installed, both sections of the rack should sit firmly in place without moving. Loads can be roped or strapped to the tie-downs on the side of the Legs or to the holes in the gussets at the top or the base of the Legs and also to the handles on the Grip Plates. 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 weather 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.

