

Back Road Equipment Gen 1 KLR 650 Rear Rack Installation Instructions

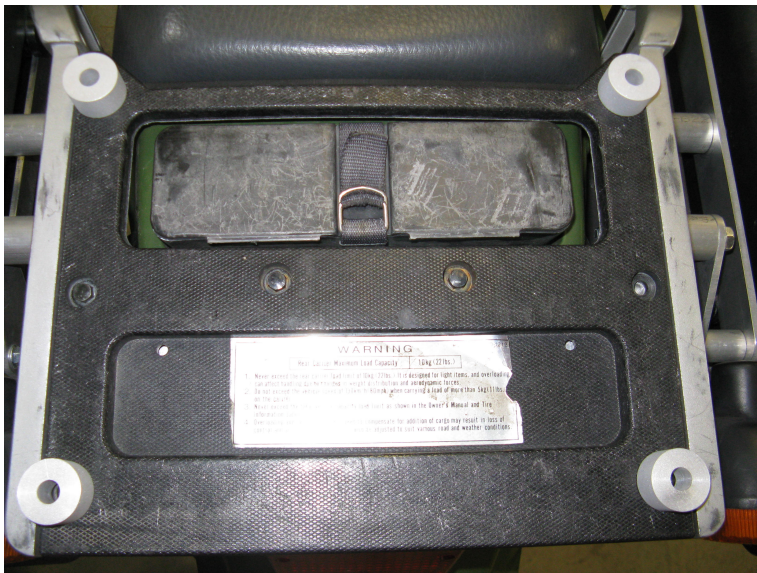
DO NOT EXCEED THE MOTORCYCLE MANUFACTURER'S RECOMMENDATION FOR MAXIMUM WEIGHT ON THE REAR RACK.

Tools required: 8 mm socket and driver, 4 mm hex bit (allen wrench), 1/4" drill bit, 21/64" drill bit, drill motor, scribe, tape measure, 242 Blue Loctite and 3/16" hex bit (allen wrench).

1. Remove the four corner screws that attach the plastic rack.



2. Insert the four aluminum spacers over the locations where the screws were removed.



IMPORTANT!!!!

If you are installing a top box and quick connect kit skip step 3 and go to step 4.

3. Fasten the rack down with the four 6 mm button head cap screws with the four flat washers. (Blue 242 Loctite is recommended on the treads) Torque the fasteners to 100 inch pounds. (Note: tool kit has been removed in this photo, the tool kit can remain in tact while mounting the rack.). This completes the rack installation. Step 4 is for top box quick connect installation.



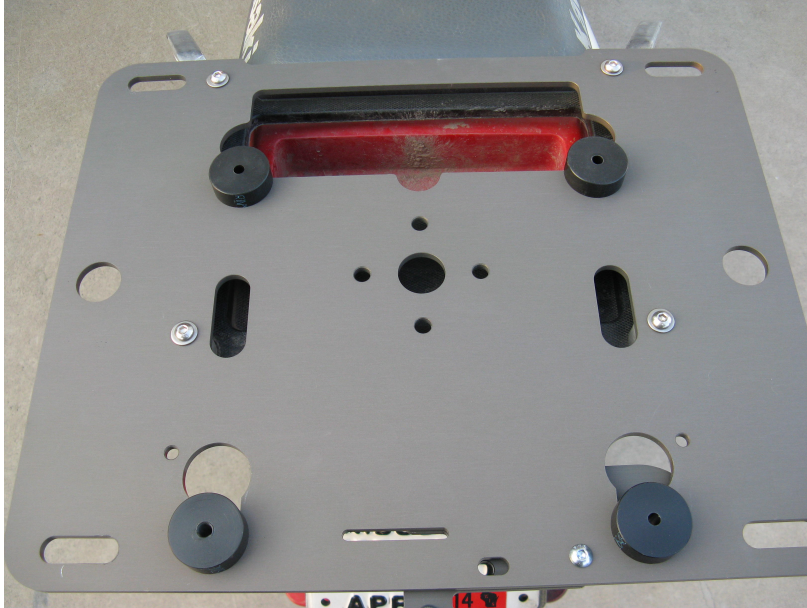
Step 4

VERY IMPORTANT!!!!!!

For proper operation of the quick connect system the top box must be drilled extremely accurately. The following steps explain how to use the rack as a template and drill guide that will perfectly locate the holes.

4. Temporarily fasten the rack down with the four 6mm button head cap screws. Do not use Loctite on the screws at this time.

5. Insert the thick black puck into the rack keyhole where the attachment lever is located. Lock the puck into place with the attachment lever. Insert the 3 remaining pucks in the remaining keyholes. (The small diameter of the puck goes into the keyhole).



6. Set your top box on top of the pucks on the rack. Position the box where you want it to be mounted. When locating your top box it should be mounted as far forward as possible without interfering with your passenger or seat removal.



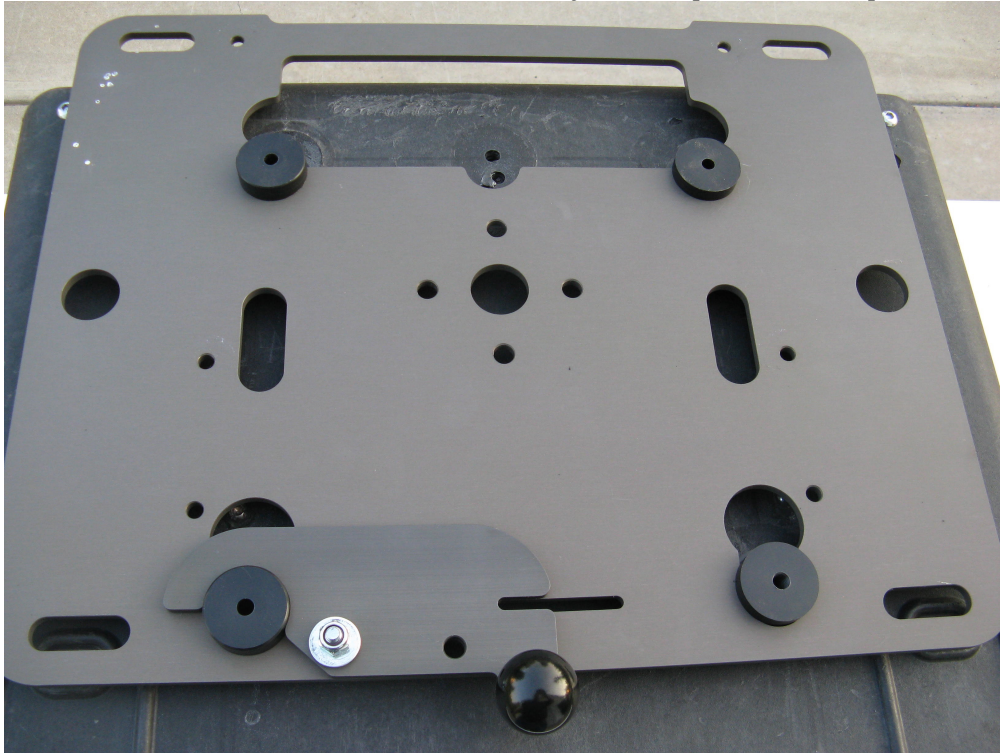
7. Use a tape measure to aid in positioning the top box. Positioning does not have to be perfect at this time, but position as accurately as possible.



8. Insert a scribe or awl into the puck that is captured by the attachment lever. Use the scribe to mark the location of the puck hole.



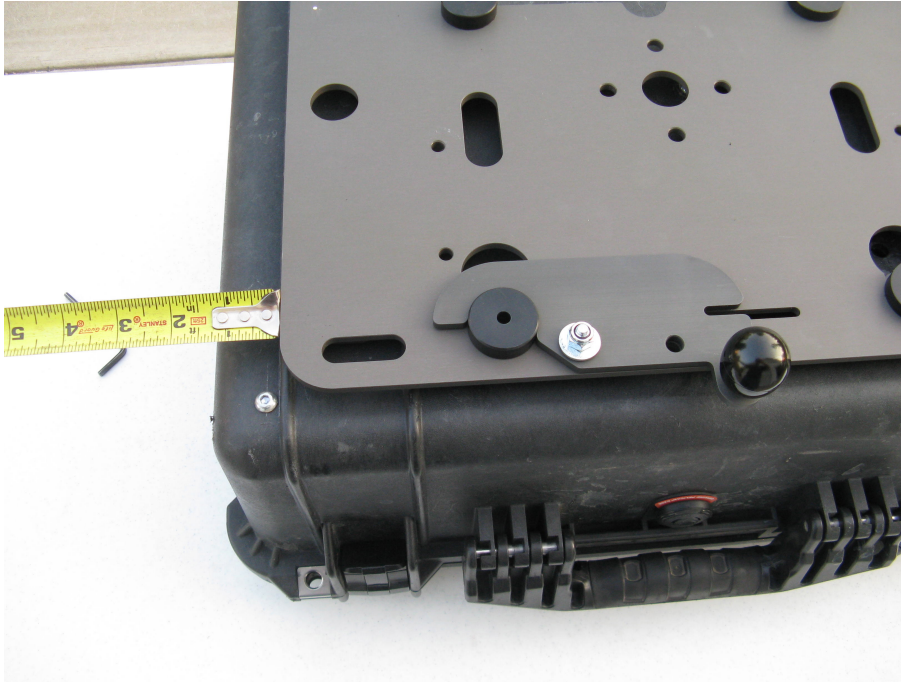
9. Remove the top box from the motorcycle and place it upside down on a flat work surface. Remove the rack from the motorcycle and place it on top of the box.



10. Locate the scribe mark and align the center hole of the latched puck with the scribe mark.



11. Make the final adjustments to the location of the box on the rack. Use a tape measure to center the box side to side, use the scribe location to locate the box front to rear.



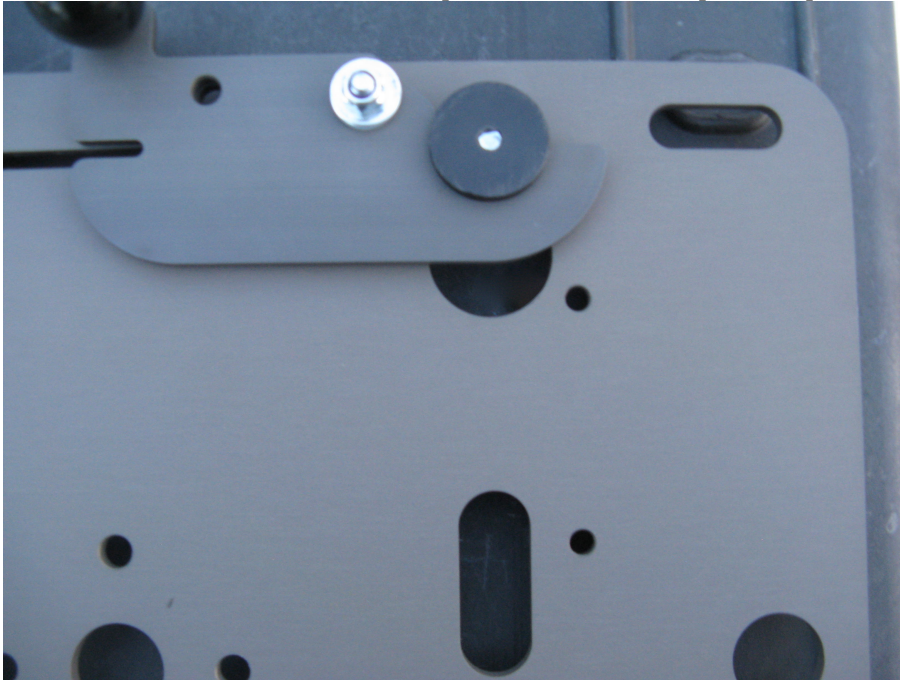
12. Have a helper hold the rack firmly in place on the box. Use a 1/4" drill bit and an electric drill to drill through the box. Use the latched puck as a drill guide. This hole is the master hole, be certain the box is located correctly.



13. Remove the rack from the box. Use a $21/64$ " drill bit to enlarge the $1/4$ " hole to a $21/64$ " hole. Remove the latched puck from the rack. Use the long $5/16$ " button head cap screw and a thick gray washer to fasten the thick puck to the box.



Slide the rack onto the mounted puck and latch the puck in place.



14. Seat the puck farthest from the mounted and latched puck into its keyhole. Have a helper hold the rack squarely on the box. Check with a square or tape measure to verify the rack and box are square to each other. Using the $\frac{1}{4}$ " drill bit, drill the second hole in the box using the puck as a drill guide.



15. Unlatch and remove the rack from the box. Use a $\frac{21}{64}$ " drill bit to enlarge the $\frac{1}{4}$ " hole. Use a $\frac{5}{16}$ " button head cap screw and thick gray washer to mount the puck to the box (large diameter of the puck faces the box).

16. Slide the rack onto the 2 pucks that are mounted to the box. Latch the lever onto the puck. Verify the other 2 pucks are seated in their keyholes and drill the $\frac{1}{4}$ " holes in the box using the pucks as drill guides. Remove the rack and non-bolted pucks, enlarge the $\frac{1}{4}$ " holes to $\frac{21}{64}$ " holes.



17. Bolt the remaining 2 pucks onto box using the remaining $\frac{5}{16}$ " button head cap screws and thick gray washers. Torque all 4 puck button head cap screws to 12 foot pounds.



18. Fasten the rack to the motorcycle with the four 6 mm button head cap screws with the four flat washers. (Blue 242 Loctite is recommended on the treads) Torque the fasteners to 100 inch pounds. (Note: tool kit has been removed in this photo, the tool kit can remain in tact while mounting the rack.). This completes the rack installation.



The box can now be attached and detached from the rack. For security a 3/16" pad lock can be used to lock the lever in place not allowing the box to be removed.

