



**SUBJECT - PART #877 & #879 JK WRANGLER/UNLIMITED SAFARI SPORT RACK INSTALLATION SHEET**

**Important Notes:**

1. Due to welding, handling, shipping, etc., the Light Bar legs may need to be “tweaked” slightly (bent in or out) to fit correctly. A small amount of twisting will not hurt the bar. Be careful not to scratch the paint as you install the legs.
2. The nut plates on some Jeep windshields may come loose when both bolts are removed at the same time. Loosen both bolts, remove one, install bracket with one bolt, spin out of the way and remove other bolt. Try to keep one bolt engaged through the windshield at all times.
3. You will likely need a second person to assist you in some parts of this installation, as the racks are very large and difficult to handle alone.
4. Some customers have experienced excessive sway in the rear of their rack when loaded. This is caused by the overly thin body panels on the new Wranglers, and unfortunately all of our attempts to brace the legs from the inside have proven unsuccessful. We do however recommend that you use one of our 920A series corner plates to help reinforce your rack.

**Kit Contents:**

Item	Qty	Item	Qty
869 Front Hoop	1	870 Rear Hoop	1
Front Hoop Bracket LH	1	Rear Leg LH	1
Front Hoop Bracket RH	1	Rear Leg RH	1
Cargo Basket (880 or 881)	1	¼” Snapper Pins	4
8mm Stainless Allen Bolts	4	5/16 x 2” Bolt	10
5/16” x 1 Bolt	6	5/16” Hex Nut	16
5/16” Flat Washer	16	5/16 Lock Washer	16

**Phase 1: Front Hoop Installation**

1. Remove the 2 screws on the upper outboard side of the drivers side windshield hinge and install the supplied mounting brackets to these mounting holes using the supplied Allen-head hardware. Leave bolts loosely attached. Repeat for the passenger side hinge as well.
2. Lift the front hoop into place and slide onto the loosely mounted brackets. The light tabs should be pointing forward.
3. Tighten the 4 Allen-head bolts that you used to mount the front hoop brackets in step 1. Finish this step by installing the ¼” snapper pins supplied in the kit
4. Lift the basket into place on top of the vehicle. You may need assistance to complete the rest of this installation. Slide basket into place so that the small mounting tabs wrap around the 1” tube of the front hoop.

**Phase 2: Rear Hoop Installation**

1. Remove taillights. This is done by removing the 2 screws at the inner top and bottom corners of the tail lights. The outer 2 screws can remain attached. Slide the tail light out of place and unplug. Set aside.
2. Align the driver side leg so that the radius cut portion of the rear mount bracket sits up next to the curve of the gas tank filler opening. Align the oval front mount bracket so that the top edge of the plate aligns with the beveled body line just below where the vehicles top meets the tub. This will be where your rear leg is mounted. Take mental note of its location and proceed to step 3.
3. Using masking tape (we recommend blue painters masking tape) tape off the areas behind where you just aligned the leg. This will protect the paint and metal during drilling.
4. Align the leg into place a second time. Use a fine tip marker to mark the 5 holes in the mounting brackets. Make sure there is tape behind the areas you are marking.
5. Drill the 3 rear most holes to 3/8” diameter thru the outermost body layer only. Drill the 2 front most holes to the same size. If you push the drill into the second body layer, this will make a divot, so you can see the location of some inner layer access holes you will have to drill next.

6. Using a 1" hole saw, you will need to drill from the inside of the Jeep through the inner layer of the body. This allows you an access point to get tools onto the mounting hardware used to mount the front bracket. Simply peel back the carpet inside to see where these holes will be coming through. These will not be visible once finished, as the carpet will hide the holes.
7. At this point, you should have 5 holes at 3/8" diameter drilled through the outer layer of the body, and 2 holes at 1" diameter through the inside layer of the body.
8. You will now need to repeat this step for the passenger side. However on the passenger side, you do not have a gas tank filler to reference in locating the leg. You will need to take great care in making sure that this leg sits in the same spot as the driver side leg. This can be done by taking measurements from the holes you drilled for the driver side leg.
9. At this point you should have all the required mounting holes drilled for the rear legs. Remove the masking tape at this time. Warrior recommends that in order to protect these holes, you use a small touch up paint kit from Jeep to repaint the holes. This will help deter rusting. You can further the protection to these holes by applying some RTV style silicone sealant around the surface of the holes.
10. Slide rear hoop into the small mounting tabs on the cargo basket, oriented so that the light tabs point to the rear of the vehicle. This step may be much easier with an assistant. With the hoop in place on the basket, lift the hoop into place and slide onto the top of the legs. Finish this step by inserting the supplied 1/4" snapper pins into the holes where the legs and hoop meet.

### ***Phase 3: Finishing Cargo Basket Install Steps***

1. The last step of this process is to secure the basket to the hoops. Start by making sure your basket is centered on the hoops from side to side.
2. There are 6 mounting tabs that hold the rack to the hoops. They reside 3 in the front and 3 in the rear. With the basket located where you want it to sit, mark the hoops where the 3 mount tabs meet. A silver marker or silver pencil works well for this.
3. Reversing the steps to assemble the rear hoop, remove the rear hoop. Do not remove the rear legs.
4. Lower the cargo basket off of the vehicle.
5. Reversing the steps to assemble the front hoop, remove the front hoop. Do not remove the front mounting brackets.
6. Drill your 6 marked spots through both sides of the hoops. It is recommended that you start by drilling a small 1/8" pilot hole first, followed by the 3/8" hole.
7. Use a can of flat black spray paint to cover the holes you drilled. This will help deter rusting. Allow time to dry.
8. Reversing earlier steps in the instructions, re-assemble the front hoop, lift the cargo rack onto the vehicle, and assemble the rear hoop.
9. Re-align your drilled holes to your mounting tabs, and use the remaining hardware to bolt the rack to the hoops. Do not over tighten as you will crush the hoops.

### ***Phase 4: Rack Quick Removal***

1. Due to the large size of these racks, it may be difficult to install and remove alone. This is even more an issue with the larger 4-Door Wrangler. It is easiest with a person at each corner of the rack.
2. Remove the 4 snapper pins at each corner of the rack.
3. Loosen the 4 Allen-head bolts on the front mount brackets a few turns.
4. Slowly and carefully lift the rack from its mounts, and walk the rack forward off of the Jeep.

### ***Hard Top Removal Notes***

1. Do not remove the rack to remove the hard top. The Freedom panels will remove as normal without any interference from the rack
2. Pull the rear 2 snapper pins from the legs and lift the rear hoop free. Rest the rear hoop against the very top of the rear legs, so they do not slide down into place. This will give you enough room to slide the hard top out toward the back of the Jeep.

### ***Soft Top Removal Notes***

1. In order to fold the soft top, you will need to follow phase 4 to remove the rack
2. You can remove all of the side and rear window panels without moving the rack at all.
3. You do have the option of removing the soft top without moving the hard top. You can unlatch the soft top at the front, from the sides, and at the levers at the sound bar. Once those points are free and loose, you can remove the 4 bolts holding the soft top to the roll bar, and slide the top out the rear of the vehicle. This can be a time consuming process.



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