



## Installation Instructions

Part # DS31-4

[Defender Rack Mount Kit](#)

07-14 JK Unlimited w/Hard Top

Please read instructions entirely before installing this product.  
This bracket kit works in conjunction with rack part # 45454

**Notes:** Defender Roof Racks are rated for loads of no more than 150lbs. evenly distributed. When carrying a spare tire, the tire should not exceed 33" diameter

Part	Qty	Part	Qty
"L" Rack Bracket	4	Plastic Cap	2
5/16" x 3/4" Bolt	16	Plastic Strip	2
5/16" Flat Washer	38	Hinge Bracket	2
5/16" Lock Washer	18	Clamp Bracket	2
5/16" Nut	18	Clamp	2

**Step 1:** With assistance to stabilize rear window, loosen the OE bolts on the rear window hinge just enough to slide bracket in. (Fig A)

**Step 2:** Slide the rear hinge bracket with bend pointed towards the rear down over the loosened OE bolts behind the hinge. (Fig B) Tighten snug, but not completely.



(Fig A)



(Fig B)

**Step 3:** Install the "L" rack brackets onto the previously installed hinge bracket with included hardware. (1 blot, 2 flat washer, 1 lock washer, 1 nut) Fig C, D. Just tighten snugly at this time.



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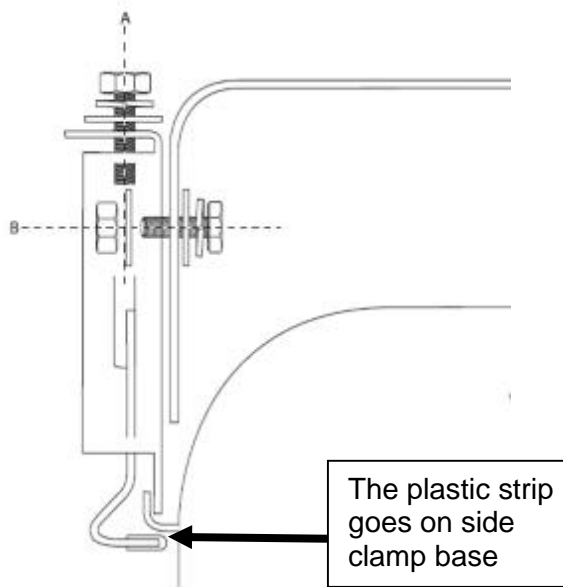


(Fig C)



(Fig D)

**Step 4:** Loosely assemble the side brackets. (Fig E)



(Fig E)



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**Step 5:** Place a blanket or something to that effect on top of the hard top. Carefully set basket on top.

**Step 6:** Place loosely assembled side bracket over rear door lined up where the baskets brackets are located. Tighten nut on side bracket threaded bolt so bracket is snug. (Fig F, G)



(Fig F)



(Fig G)

**Step 7:** With assistance carefully set basket on top of brackets, line up holes in basket mounts with bracket mounts and loosely attach with included hardware. (1 blot, 2 flat washer, 1 lock washer, 1 nut)



(Fig H)



(Fig I)



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**Step 8:** Make any needed adjustments, once basket is in desired location tighten all bolts on basket and brackets completely. Installation is now complete. (Fig J) Place rubber cap on side bracket threaded rod. (Fig I) Cut base of cap down if needed.



(Fig J)

**Note:** If rear hinge cover rubs excessively on bracket, loosen bolts to slide bracket upward slightly.





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Customize your rack with other quality Smittybilt Defender accessories. ( Axe/Shovel Mount,Jack Mount,Netting)





**OFF ROAD UNLIMITED INC.**

**Burbank, CA ; Off Road Unlimited (ORU) expands their Defender Rack line with the addition of a rack for the popular Jeep Wrangler JK Unlimited.**

The rack is made to Defender specifications with 16 gauge x 1" diameter, fully welded, round steel tubing, and finished in a black textured powdercoat. The 4' x 4' rack adds cargo capacity and functionality. The rack has 4" high sides and includes 4 front, and 2 rear auxiliary light mounting tabs. The 100% bolt-on rack system is compatible with factory hardtop models only.



<b>Part Number</b>	<b>Description</b>	<b>Weight</b>
<b>45454</b>	<b>Jeep JK Roof Rack (Hard Top Only)</b>	<b>64 lbs.</b>
<b>DS31-4</b>	<b>Jeep JK Mounting Brackets</b>	<b>11 lbs.</b>