

# HANSON OFFROAD

## INSTALLATION INSTRUCTIONS JK4102-P / JKCTC2-P / JKCTC4-P JK REAR BUMPER & TIRE CARRIER

Remove the factory rear bumper from the vehicle.  
Retain all factory hardware for use in installation of  
Hanson bumper.



Drill out the fourth hole to the right using a  
9/16" drill bit.

Using the stock hardware, hand tighten the bumper  
mount to the frame to allow for proper vehicle  
alignment/adjustment.



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Using the supplied 9/16" x 4.5" bolts, mount rear section of bumper to the previously drilled portion of the rear support. Flat washers are used on the outside as shown. The lock washers are used on the inside. Hand tighten bolts at this time.

With bolts still loose, adjust bumper for proper vehicle alignment. Once the bumper is level, secure all side and rear mounting hardware.



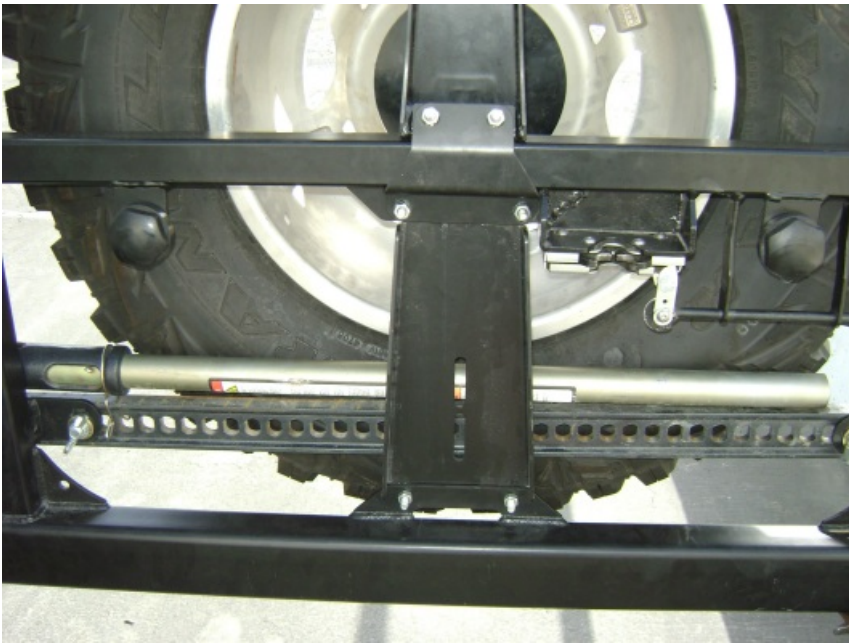
The latch mounts to the bottom side of the swing arm with the supplied 1/4" x 1.25" button head bolts. The arm extension should point in the same direction as the wheel mount (to the rear).

IF INSTALLING THE *ROUND TUBE* TIRE CARRIER, PROCEED TO WHEEL HUB INSTALLATION.

THE FOLLOWING STEPS ILLUSTRATE THE INSTALLATION OF THE ANTENNA POST ON THE *SQUARE FRAME* TIRE CARRIER.

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Install the supplied antenna/wheel post and corresponding backing plate as shown in the photo. The 5/16" carriage bolts will be used during this portion of the install. Also install the supplied urethane bumpstop with the corresponding 3/8" flat washer, lock washer and nut as shown in the photo. The backing plate and bump stops will be on the same side

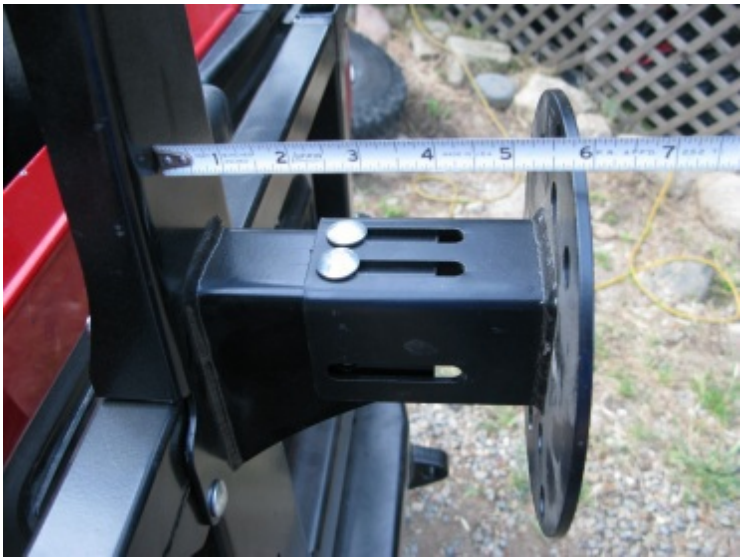
BELOW: IMPORTANT HI-LIFT MOUNT (optional). The Hi-lift mounts to the outside of the carrier. Once installed, the upper strike block will need to be bolted in place on the antenna post to properly load the tire on the carrier.



Using the supplied latch with the arm extension, mount to the center bracket with the 1/4" x 1" button head bolts. Mount with the arm facing away from the spindle side of the carrier and to the inside. The long threaded handle will install through the guides with the washer side mounting to the latch arm extension. Once through, place 3/8" flat washer and thread additional T-handle. Mount the handle to the latch using the 1/4" x 3/4" bolt with flat washers on both sides and stover lock nut. DO NOT OVER TIGHTEN! The nut only needs to break the plane of the bolt to stay secure. Over-tightening will cause the latch to bind.



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Install the included wheel studs (3) to the wheel hub. They can be installed using an H-frame press or by using a large deep socket and closing it in a bench vise. Once pressed through, the wheel hub can be mounted to the wheel hub extension welded to both the round tube tire carrier and also the antenna post on the square frame unit.



Using a large screwdriver or wedge, spread the pivot clamp to allow for installation on to the spindle bumper.

Grease the spindle before installing the tire carrier. Once installed, using the remaining 5/16" hardware bolt the pinch clamp together loosely. **DO NOT TIGHTEN UNTIL TIRE CARRIER HAS BEEN LATCHED & ADJUSTED.** Over-tightening of these bolts changes the angle and position of the tire carrier in relation to the bumper.



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Install snap ring and grease zerk to the spindle assembly. Grease fitting upon completion of tire carrier installation.



Swing the gate assembly to line up the latch on the tire carrier with the latch pin installed on the bumper. The latch pin is located in a slotted hole for adjustment and can be positioned for smooth operation. Once desired swinging action is achieved, securely tighten the nut on the latch pin and snug the two pivot bolts on the spindle. NOTE: The clamp will not touch in the center. Over-tightening will lift the bumper up off of the bumper causing misalignment with the latch mechanism.



At this point, installation of the round tube tire carrier is complete. Re-check all hardware on the bumper and tire carrier assembly and grease the pivot spindle.

Square frame tire carriers, continue to final step.

The final step to the square frame tire carrier is the mounting of the upper support plate to the tailgate. Using the factory hardware, securely mount the plate to the tailgate with the pin in the upper left hand corner.

Once installed, close the tire carrier slowly to properly align both the lower and upper latch assemblies. Once desired pivot and latching action is achieved, secure all bolts on the tire carrier and bumper and grease the spindle.



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## Spindle Bumper w/ Round Tube Style Tire Carrier



## Spindle Bumper w/ Square Frame Style Tire Carrier. (Shown w/ JC4 Cargo Package)



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