

# HANSON OFFROAD

## INSTALLATION INSTRUCTIONS JK REAR SPINDLE BUMPER & SQUARE FRAME 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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PROUDLY MADE IN THE USA!



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.

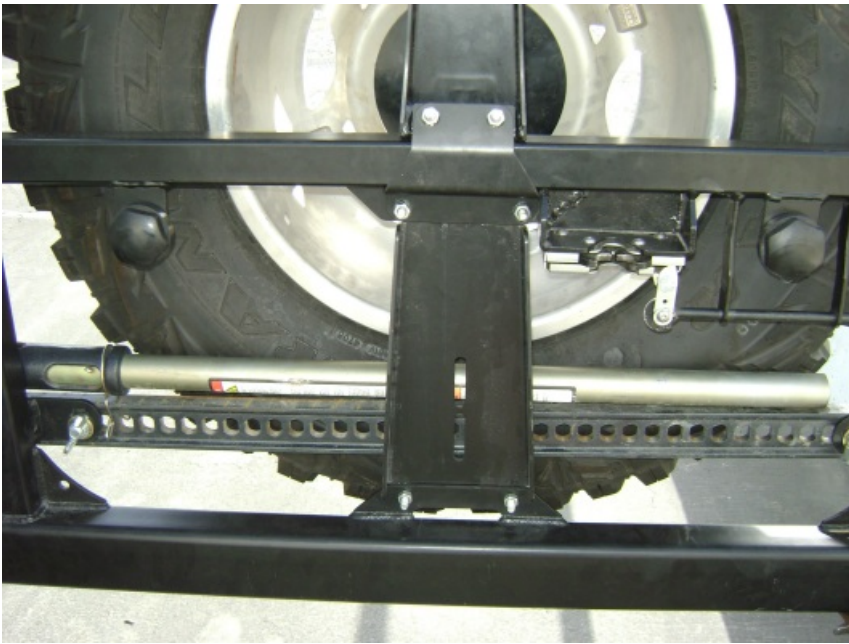


The latch mounts to the bottom side of the swing arm with the supplied 1/4" x 1.25" button head bolts. The arm extension should point in the same direction as the wheel mount (to the rear).

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.

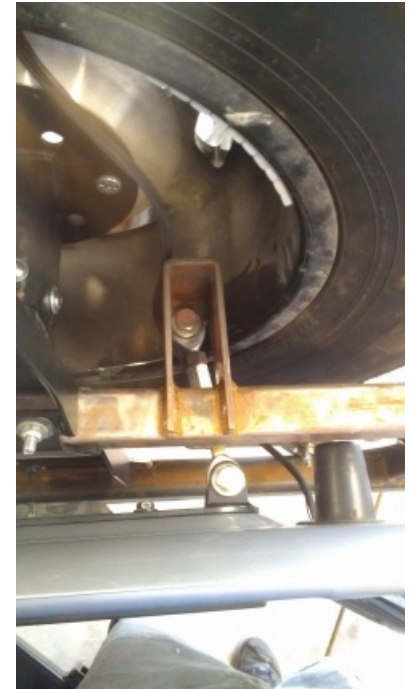




Install the supplied antenna/wheel post and corresponding backing plate as shown in the photo. The 5/16" carriage bolts will be used during this portion of the install. Also install the supplied urethane bumpstop with the corresponding 3/8" flat washer, lock washer and nut as shown in the photo. The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

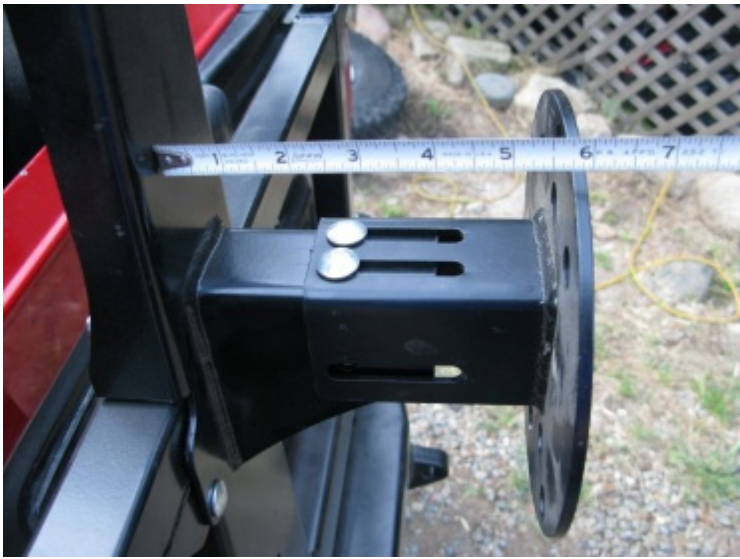
NOTE: LATCH ASSEMBLY SHOWN IS OLD STYLE (DISCONTINUED)

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.



The tire carrier and tailgate open together in a single motion. Using the supplied tailgate plate and existing hardware, mount the plate with the 2 extension tabs to the top left-hand corner. These tabs will secure the heim assembly to the tailgate. The opposite side is bolted in to the extension bracket on the tire carrier itself.

NOTE: The heim adjuster will need to be tuned once installed to ensure the carrier and tailgate open and close at the correct position.



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.





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

Recheck all hardware and swinging action of the tailgate in relation to the tire carrier. They should open and close as a single unit.

Additional lower latch and latch pin is not required unless installing a Hanson Offroad cargo package.