

HANSON OFFROAD

1976-2006 Jeep
Square Frame Instructions
Part # CTC2-P

Install rubber bump stop thru the tab on the left side of bumper. Use stainless steel 1/4" cap nut to tighten in place.

Install the nylon scuff block with 1 steel spacer under it, use 2 @ 1/4" X1 1/4" SS allen bolts to tighten in place.



Lube the spindle on the bumper with auto or marine grease

Spread the tire carrier spindle sleeve using a wedge or a large screw driver. Slide over the spindle all the way until the tire carrier meets the spindle lip.

Install the nut zert.

Install the snap ring.

Using 2 @ 5/16"x 1" bolts and 4 flat washers snug the 5/16" locking nuts in place. Do not tighten all the way. These bolts are used to adjust how easy the tire carrier opens and closes. Adjust so there is tension when opening and closing.



Hanson Offroad
6901 Unit C McDivitt Dr.
Bakersfield CA 93313 U.S.A.

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Mount the antenna post to the middle of the tire carrier. Use the back up plate as shown to secure the system in place.

On the top of the bracket use 2 @ 5/16" x 3/4" with washers and locking nuts.

On the bottom of the bracket use 2 @ 5/16" x 1" with washers and locking nuts.



On the bottom of the antenna post use 2 @ 5/16" x 3/4" with washers and locking nuts.

Bolt the upper hinge arm to the tire carrier using 2 @ 3/8" x 1 1/4" bolts with 4 flat washers and 2 locking nuts.

Then hand tighten the upper hinge arm bracket to the upper hinge arm using 1 @ 3/8" x 2 1/2" bolt 2 flat washers and one locking nut.

Push the bracket firm against the jeep tub and mark your holes to drill thru the tub.



PLEASE NOTE

If the hinge arm bracket doesn't reach the tub loosen all bumper bolts then push until it meets the tub. Once the hinge arm is mounted tighten the bumper bolts.

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Remove the upper hinge arm from the tire carrier.

Pull back the carpet inside the tub in the area about to be drilled.

Drill thru the tub using a pilot bit, recheck alignment.

Drill thru the tub using a 7/16" drill bit.

Remount the upper hinge arm to the carrier.

Insert 2 @ 3/8" x 1 1/4" bolts with flat washers on them thru the upper hinge arm and tub of the jeep.



Remove the outside roll cage bolt.

Install the upper hinge back up plate inside the jeep as shown using 2 @ 3/8" flat washers and locking nuts.

Tighten down using two flat washers and locking nuts.

Tighten the other end using the roll bar bolt you just removed.

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Mount the latch to the tire carrier using
2 @ 1/4" x 1 1/4" &
2 @ 3/16" x 1 1/4" with locking nuts.



Install latch pin into the tri-l bracket. Hand tighten.

Lock the latch pin into the latch.

Push the carrier against the body and mark the hole locations.

Drill thru the tub using a pilot bit, recheck alignment.

Drill thru the tub using a 7/16" drill bit.



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Insert 3 @ 3/8" x 1 1/4" bolts with flat washers.
Tighten the upper bolt in the tub using a 3/8" flat washer and locking nut.



Install the latch back up plate inside the rear fender well as shown using 2 @ 3/8" flat washers and locking nuts.

Pull back carpet in the cargo area and pilot from the fender well into the cargo area.

Drill from the cargo area thru the tub using a 7/16" drill bit.



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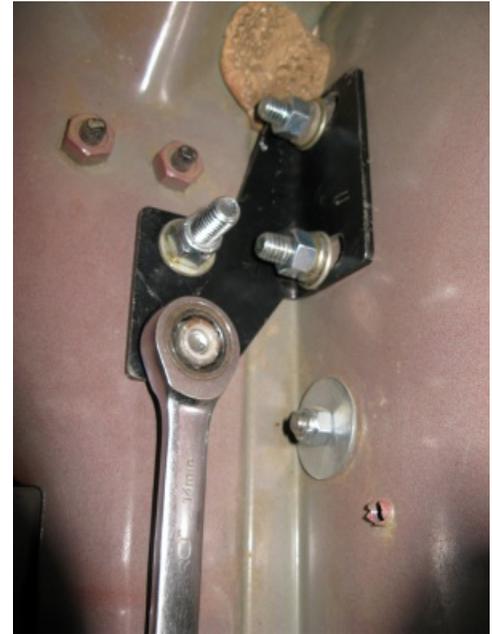
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Insert 2 @ 3/8" x 1 1/4" bolts with flat washers from the cargo area into the rear fender well.. Tighten the 2 bolts in the fender well using 2 @ 3/8" flat washers and locking nuts.



Place the carpet back in place around the latch and roll cage.

Move the latch pin in our out as needed to make the tire carrier push against the rubber bump stop mounted on the bumper



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Place spare tire on its back and measure to the back side of the rim. Subtract $\frac{3}{4}$ " of an inch and use this measurement in your next step.



Using the measurement from the step before. Measure from the antenna post to the front side of the wheel hub. Use 2 @ $\frac{5}{16}$ " x $\frac{3}{4}$ " carriage bolts, 2 flat washers and 2 locking nuts to tighten the top of the wheel hub down. After the top bolts are tight use 2 @ $\frac{5}{16}$ " x $\frac{3}{4}$ " carriage bolts, 2 flat washers and 2 locking nuts to tighten the side of the wheel hub down.

Using a $\frac{3}{4}$ " nut and your lug nuts off of the original tire carrier, tighten wheel studs into the proper holes for your wheel pattern.

Install spare tire, Make sure the rubber from the tire is making contact with the pieces of the rack. Desired position is that the tires dipples around the rack a little .



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Insert the 2 @ 1/2"x 1 1/2" carriage bolts from the tire side of carrier thru the Hi Lift tabs, place a 1/2" washer on each and hand tighten with jam nut.



Before installing Hi Lift remove the foot off of the jack. The foot can be bolted in the backside of the antenna post using a 5/16" x 1" carriage bolt with a washer and locking nut.

Install a 42" Hi Lift jack or a 48" if relocating license plate on the bolts you just installed. Tighten in place using 2 @ 1/2" flat washers and 2 @ 1/2" wing nuts.



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Center jack as shown so the pin that locks the tire carrier in the open position is still accessible.



Shown with a 48" Hi Lift Jack.

Recheck all bolts after 500 miles.



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