# 《COND 

 DESTROYER SERIES JK JEEP REAR BUMPER +TIRE CARRIERINSTALLATION INSTRUCTIONS

## STEP 1:

GATHER YOUR TOOLS AND LAY OUT YOUR PARTS...

## Tools Required:

- 16 mm socket
- 3/4" socket
- $1 / 4$ " socket
- 5/32" Allen wrench
- ratchet
- ratchet Extension
- 3/4" wrench
- tape measure
- floor jack or car jack
*PLEASE READ THROUGH THE INSTRUCTIONS BEFORE BEGINNING ANY PART OF THE INSTALLATION PROCESS*


## Web File:

http://lodoffroad.com/assets/pdfs/JK074DTCDSINS.pdf
Youtube Video: https://www.youtube.com/watch?v=RSFGz1ZTfks\&t=31s


## BUMPER + TIRE CARRIER KIT CONTENTS

## Hand Tools <br> Required:

- 5/16" socket
- $7 / 16^{\prime \prime}$ socket
- $5 / 8^{\prime \prime}$ wrench
- $11 / 16^{\prime \prime}$ wrench
- 3/4 " wrench
- $1 \frac{1}{2}$ socket** - ratchet
- ratchet Extension
- $5 / 16^{\prime \prime}$ wrench
- $7 / 16^{\prime \prime}$ wrench
- drill with $1 / 2^{\prime \prime}$ drill bit
- grease




## S

Carefully pick up the bumper and slowly center it, then move towards the Jeep.

Take care to avoid damaging the body with the bumper corners.


Insert the two stock frame bolts, but do not tighten them all the way.

## STEP 8 :

You may now let go of the bumper, the stock bolts will prevent it from falling off.


## STEP 12 :

Locate the two horizontal bolts and align with the holes on the safety chain plate. Face the bent corner towards the front of the vehicle.


## STEP 16:

Tighten the stock bolts, one at a time on each side, one side at a time.


## STEP 17:

As you go back and forth tightening the bolts, keep checking your gap measurements to make sure the bumper has not shifted.

## STEP 18 :

After tightening one bolt on the passenger/driver side, check your measurements then repeat in the corresponding bolt on the opposite side of the car.

## STEP 19:

Use a wrench to reach and keep the nuts in place while you tighten the bolts.

## STEP 20 :

Using the access holes and the $3 / 4^{\prime \prime}$ wrenches, tighten the bolts that hold the safety chain plate to the crossmember.




## STEP 29:

Flip the carrier arm upside down, so the arm is horizontally on top.
Take the bearing from Step 28 and place it, taper down, into the opening.

Next, place the bearing seal on top of the bearing. The text on the seal must face out.

## STEP 30 :

Do NOT use a hammer directly on the seal or you WILL deform/ damage it or the carrier. Tap it down

Use something soft like a block of wood to spread out the force as you lightly tap the seal into place, otherwise you will void your warranty.

## STEP 31:

Under no circumstances should you force the bearings onto the spindle. If you find the bearing doesn't fit, polish/sand the spindle very slightly. Be careful to not take off too much material.

## STEP 32:

Place the carrier arm down onto the spindle. Make sure to keep the welded tube portion perpendicular to the spindle.


## STEP 33 :

Place the top LM48548 bearing (greased in step 27) into the spindle, with the taper facing down.

## Ste 34:

Place a washer onto the spindle, then the $1^{\prime \prime}$ spindle nut on top. Be sure to add

Locktite to the spindle threads before you tighten the nut completely.

## STEP 35 :

Tighten down the nut with a 1-1/2" socket

Then add the top aluminum cap, and also tighten that with the $1-1 / 2^{\prime \prime}$ socket.

## STEP 36:

Test the swing arm operation by moving the door back and forth.
The motion should be smooth and unobstructed.


## STEP 37:

Attach the latch alignment guide to the back of the carrier with the provided $5 / 16^{\prime \prime}$ hardware. Attach it loosely so that it can be shifted slightly.

If you plan on loading the carrier, (we used a tire) it will shift down slightly, so you may have to readjust it.

## STEP 38:

Install the quick latch by inserting the threaded parts through the mount holes and attaching with the washers and $1 / 2^{\prime \prime}-20$ hex nuts on the other side.

## STEP 39 :

Standing behind the Jeep door, grab the quicklatch with your left hand and slowly move the door until it is close enough for the latch to be operated.
Press down on the plunger with your thumb and swing the latch down onto the mount stud to attach the latch to the mount stud on the door plate.


QUICKLATCH + JACKSCREW + BALL STUD


STRIKER PLATE + GUIDE ROD PLATE


RUBBER ISOLATOR PUCKS


STEP 40:
With tailgate and carrier open, stand as illustrated and join the two using the quick release thumb latch.


## STEP 41:

**The carrier and tailgate must be closed for this step.**

Adjust the distance between the carrier arm and the Jeep tailgate by adjusting the jack screw latch system. This will make sure the carrier arm and bumper face are parallel (shown in Step
42)


## STEP 42

In order for the carrier to close and stay shut properly, the carrier arm face and bumper face must be oriented perpendicular to the side (profile) view.

Use the jack screw to adjust (illustrated in Step 41).
** Do NOT try to line the faces up, they are not meant to be on the same plane, just parallel, meaning the carrier arm is not swung out nor in too far**

With the rear tailgate and carrier linked, open the tailgate so there is a $7-10^{\prime \prime}$ gap, now you are ready to adjust the striker plate/guide rod.


7"-10" GAP


## STEP 44 :

With the tailgate still open 7 10" adjust the striker latch and guide rod so they touch, as shown here.

## STEP 45 :

Now carefully close the door, taking care to not slam it shut. It should shut and latch smoothly, engaging fully and slightly wedging into the slot.
Pressure on the rod is REQUIRED when engaged into the slot in the closed position.

## STEP 46 :

After the quicklatch and striker plate are adjusted, open your carrier 7-10 inches again, and unscrew the rubber pucks so they touch the back face of the carrier.
*when closed the isolator pucks must be squished, as seen below*

## STEP 47 :

The pucks must squish slightly when the carrier is shut, with enough pressure to keep a loaded carrier from rattling.

When closed they (the pucks) should look like this.


The spare tire mount is designed to "pull" the tire tight against the carrier using the lug studs.

There can be a gap between the wheel and mount when mounted. Simply adjust the mount in or out until the tire rubber touches the carrier before the rear face of the wheel touches the plate with the lug studs.


Your tire should squeeze againse the back plane of the tire carrier at the top and the bottom.


## POST-INSTALL : Troubleshooting

If you encounter any trouble or rattling, please review the following information, as it may be helpful in understanding the proper function and setup of the tire carrier combo.


Pressure required
between (a) and (B) for proper fit in closed position



## STEP 51 :

If you plan on loading the carrier with weight, (we used a $35^{\prime \prime}$ tire) plate A will shift down slightly, causing it to catch on $B^{*}$. To stop any interference, you will have to re-adjust $\mathbf{B}$ to be centered with $A$ again after the carrier is loaded with its full weight you plan to carry.
*reference diagram in troubleshooting section at end*

## STEP 52 :

Here is a closer look at the striker mechanism. The alignment plate rod (a) should be centered to the cutout in (B). The top edges of $(B)$ and $(C)$ should line up.

Offset (B) towards (A) slightly and tighten it down. This way there will be a slight pressure on B and it will prevent A from rattling (shown with black arrows)

## STEP 53 :

When the door is closed, the alignment plate should fit together smoothly. If it does not, adjust the height of (B)* slightly.

*references Step 52



This diagram illustrates final bumper fitment with the carrier shut. The top of the bumper is level to the body of the Jeep. The carrier is tilted slightly towards the vehicle.

TIP 1 : If you find that the carrier does not shut properly, MAKE SURE you check the level of the bumper to the vehicle body lines, as it may have shifted during installation.

TIP 2 : If you find that the rubber bumpers are not long enough, again, check your mounting bolts, level of the bumper, striker plate, and jack screw distance.

Attach The Swing Stop to prevent body damage


Install the Swing Stop using the 3/8" bolt and washer on top and the $1 / 4^{\prime \prime}$ spacer underneath.


## **Maintenance**

## Tire Carrier \& Swing Arm:

- Once per year or as needed, add bearing grease to the Tire Carrier Swing Arm Spindle via the grease fitting on the side of the spindle. We suggest using a Lithium type automotive multi-purpose grease or wheel bearing grease (Red) that is water resistant.
- Periodically check and re-tighten all fasteners. Adjust the swing arm isolators and latch to ensure rattle free operation.
- Periodically check your Bumper and Tire Carrier and accessory mounts for scratches, dings, or rust spots which can happen over time or after heavy use. It is important to address these areas as soon as possible to prevent rust and corrosion from spreading. We recommend using Rustoleum ${ }^{\circ}$ brand Black Semi-Gloss Protective Enamel (oil based). Apply using a foam brush by dabbing to match the powder coat texture.


(25) (30)



Destroyer Light Bezels
(STYLE MAY VARY, ONLY ONE SET INCLUDED)



RUBBER HOLE
PLUG
HP1002

(x3)
*Installed in Tire Carrier Swing Arm
Packaged by:
On:
$\qquad$


TIRE MOUNT BRACKET 4JTC1001-04
(x1)



BEARING WASHER 1.395" X $2.542^{\prime \prime}$ (x1)



HEX BOLT 1/2-13 X 4.50" (0137555)
(x2)



(O)


FLAT WASHER 07/16" X 1.25" (33010)
(x16)
$\square$


