



INSTALLATION INSTRUCTIONS

PART No.

FB22017

Jeep® YJ-TJ Wrangler 1987-2006
Rear Bumper and Tire Carrier



VIDEO AVAILABLE

REQUIRED TOOLS

Drill
7/16" & 1/8" Drill Bits
24mm socket/adjustable wrench
19mm socket or wrench
17mm socket or wrench
16mm socket or wrench
5/16" wrench

KIT CONTAINS

	QTY
Drill Guide	1
Backing Plate	4
REAR BUMPER HW:	
M10 x 30mm Hex Bolt	8
M12 Hex Bolt	4
M10 Lock Washer	8
M12 Lock Washer	2
M10 Flat Washer	8
M12 Flat Washer	2
TIRE CARRIER HW:	
Spindle C-Clip	1
M10 x 25mm Hex Bolt	2
M10 x 35mm Hex Bolt	3
M10 Hex Nut	2
M10 Hex Nylon Nut	3
ST6 x 25mm Pan Head Screw	1
M10 Lock Washer	2
M10 Flat Washer	10
M16 Hex Bolt	1
M16 Hex Nylon Nut	1
M16 Flat Washer	2
Rubber Block	1
Grease Nipple	1
Gasket	2
Tire Stud Nut	3
Bolt-Retained Unit	1

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1) REMOVE YOUR FACTORY BUMPER

Begin by removing your factory bumper or bumperettes.

2) DRILL HOLES

CAUTION

Be very careful when drilling into the rear crossmember. Use a drill stop if needed to ensure you do not puncture your fuel tank.

Using the supplied drill template, drill four (4) holes into your factory rear frame crossmember. This will be two (2) holes on either side. The notch on the drill template will face up, and the holes will line up with existing holes in the Jeep's crossmember.



3) INSTALL THE REAR BUMPER

Position the rear bumper on the rear crossmember.

NOTE

Having a friend help you hold the bumper in place is ideal. If you don't have a helper, using a floor jack can be useful in holding the bumper while you install the hardware.

There will be four (4) locations to install the backing plates and bolts. These are shown in the next image.



Location 1 and 4 are easy to access. Location 3 is accessible, but requires being a little creative with your tools. We found it worked best to use a $\frac{1}{4}$ " drive ratchet with a deep-well socket. On some TJs, location 2 will not be possible to access without lowering your gas tank.

Starting at either location 1 or 4, place a backing plate on the backside of your factory rear crossmember and line it up with your factory bolt holes.



Insert a flat washer, lock washer, and 10mm bolt through the backing plate and into the rear bumper. **Do not fully tighten at this time.** You will need some room to move the bumper around as you install the other bolts. Repeat for all locations.

Install the two (2) 12mm bolts to the underside of the bumper. Again, do not fully tighten. This will help when installing the tire carrier.



4) INSTALL THE TIRE CARRIER

Install one (1) gasket over the tire carrier pivot shaft. The second supplied gasket is extra.



NOTE

We suggest adding some grease at this time to pre-lubricate the pivot shaft.

Slip the tire carrier onto the pivot shaft, and then secure it to the bumper with the C-Clip.

Next, install the grease nipple onto your shaft. Using a grease gun, lube the pivot shaft to allow smooth operation.

Tighten all bumper bolts at this time.

Install two (2) 10mm hex bolts, with washers and nyloc nuts, onto the tire carrier. Tighten these slowly while checking the swing force on your tire carrier. You want these bolts to be as tight as

possible, while maintaining an easy opening force of the carrier. Ensure you have lubed your pivot shaft via the grease nipple before making this adjustment.



5) INSTALL TIRE AND LIGHT BRACKETS

Install the spare tire bracket by setting it in place on top of the tire carrier. Install the brake light bar on top of the tire carrier. Loosely install three (3) 10mm bolts with washers and nyloc nuts. You may need to adjust the spare tire bracket based on your rim offset.



Install the 12mm bolt, with washers and nyloc nut, through the back of the tire carrier and brake light bar.



8) ENJOY YOUR NEW BUMPER AND TIRE CARRIER!

Lift your spare tire up to the tire carrier lugs to check for clearance. Adjust the spare tire bracket to allow room for your spare tire. Remove the tire and tighten the spare tire bracket in the desired location for your wheel.

6) TIGHTEN ALL REMAINING BOLTS.

Tighten all bumper bolts that were left loose in the previous steps.

It may be necessary to install the supplied rubber bushing to avoid excess rattling of the tire carrier. Determine the best location of this bushing where it will rest flush against the back of the vehicle and not interfere with anything. Mount the rubber bushing by pre-drilling a 1/8" hole and using the supplied sheet metal screw.

7) INSTALL YOUR SPARE TIRE

Place your spare tire on the tire carrier and tighten your supplied lug nuts on the studs.

