



TRAIL FORCE HD REAR BUMPER WITH TIRE CARRIER

(2007-2018 WRANGLER JK)

INSTALLATION INSTRUCTIONS

CONTENTS

(1) Rear Bumper	(4) M12x1.75 x 120mm Bolts
(2) 3/4" D-Ring Shackles w/ Isolators	(2) M12x1.75 x 80mm Bolts
(2) Bumper Mounting Brackets	(4) M12x1.75 x 40mm Bolts
(1) Tire Carrier	(4) M12x1.75 x 35mm Bolts
(1) Tire Carrier Handle	(1) M12x1.75 x 30mm Bolt
(3) 3.2mm Tire Carrier Handle Shims	(8) M12 Lock Washers
(2) 2.3mm Tire Carrier Handle Shims	(12) M12 Flat Washers [Large OD]
(1) 2.0mm Tire Carrier Handle Shims	(12) M12 Flat Washers [Small OD]
(1) Tire Carrier Retaining Bracket	(6) M12 Lock Nuts
(1) Spare Tire Mounting Base	(4) M12 Nuts
(1) Spare Tire Stud Bracket	(2) M10x1.50 x 65mm Bolts
(3) 1/2-20 Lug Nuts	(3) M10x1.50 x 40mm Bolts
(1) Tire Carrier Post Cap w/ Flat Washer	(1) M10x1.50 x 20mm Allen Bolt
(2) Plastic Washers	(1) M10 Lock Washer
(1) Zerk Fitting	(11) M10 Flat Washers
(1) Tailgate Grommet	(5) M10 Lock Nuts
	(1) 6mm Allen Key

TOOLS REQUIRED

9, 13, 15, 16, 17, 19mm Sockets & Wrenches
Ratchet
Panel Removal Tool
Synthetic Grease & Grease Gun

SKU # J253475

**STEP 1**

Open the tailgate. Use a panel removal tool to remove the tailgate cover panel from the tailgate to reveal the third brake light wiring.

Unplug the third brake light from the vehicle harness.

**STEP 2**

Remove the spare tire from the vehicle tire carrier by removing the (3) lug nuts. Remove the third brake light harness from the tailgate.

**STEP 3**

Remove (8) 13mm bolts from the tire carrier, and set the tire carrier aside.

**STEP 4**

Remove (2) 16mm bolts securing each side of the bumper to the vehicle frame. Then, lift the bumper away from the vehicle.

Along the center of the vehicle on each side of the spare tire, locate and remove (4) 16mm bolts securing the center of the bumper to the center frame rail & bumper brace. Open the tailgate for additional working space, and pull the bumper away from the vehicle.

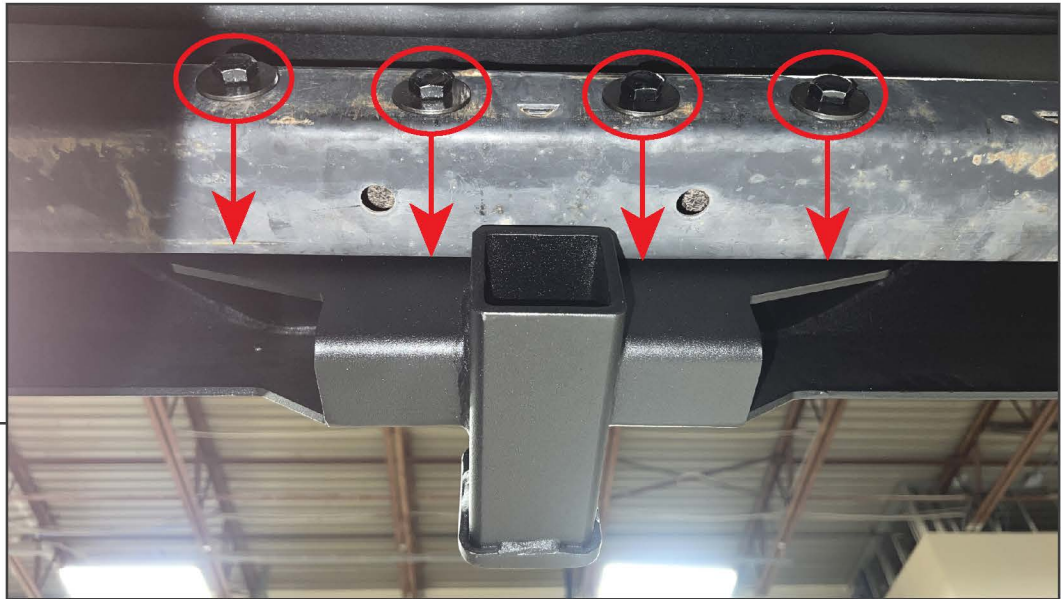
If the vehicle has the OEM tow hook, remove the tow hook by removing (3) 18mm bolts.

**STEP 5**

Fit each of the bumper mounting nut plates into the rear of the vehicle frame. The welded nuts will align with the holes in the outside of the frame.

**STEP 6**

With a helper, lift the bumper to the vehicle frame and secure the bumper to the frame using (4) M12 x 35mm bolts, (4) M12 lock washers, and (4) M12 flat washers [large OD].

**STEP 7**

From under the bumper, secure the hitch portion of the bumper to the frame using (4) M12 x 120mm bolts, (8) M12 flat washers [large OD], and (4) M12 lock nuts.

**STEP 8**

Loosely mount the tire carrier retaining bracket to the bumper using (3) M10 x 40mm bolts, (6) M10 flat washers, and (3) M10 lock nuts.

Do not fully tighten this hardware at this time. Shims may need to be added later when attempting to latch the tire carrier.

**STEP 9**

Place (1) plastic ring to the base of the tire carrier post on the bumper. Then, apply synthetic grease to the tire carrier post to prepare for the tire carrier installation.

Place the tire carrier onto the post. Install (1) plastic ring onto the top of the tire carrier.

**STEP 10**

Fit the tire carrier flat washer and cap onto the tire carrier post. Secure the tire carrier to the post using (1) M10 x 20mm Allen bolt, (1) M10 lock washer, and (1) M10 flat washer.

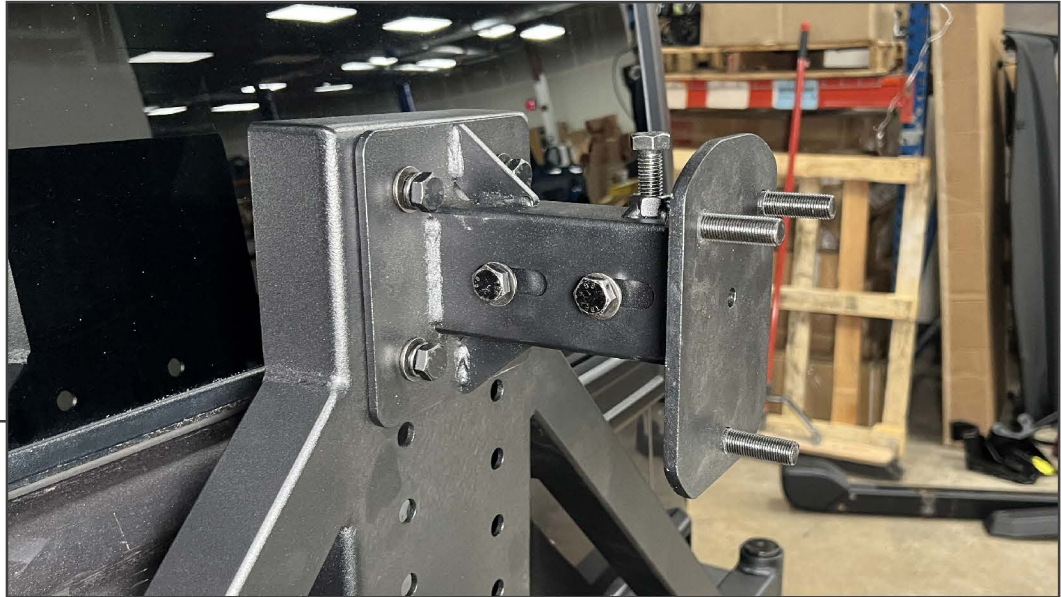
STEP 11

Fit the handle into the tire carrier, and secure into place using (2) M10 x 65mm bolts, (4) M10 flat washers, and (2) M10 lock nuts. Tighten until fully secure.

STEP 12

Mount the spare tire base bracket to the tire carrier using (4) M12 x 40mm bolts, (4) M12 lock washers, (8) M12 flat washers [small OD], and (4) M12 nuts.

The bracket can be mounted at various locations to accommodate for various tire sizes.

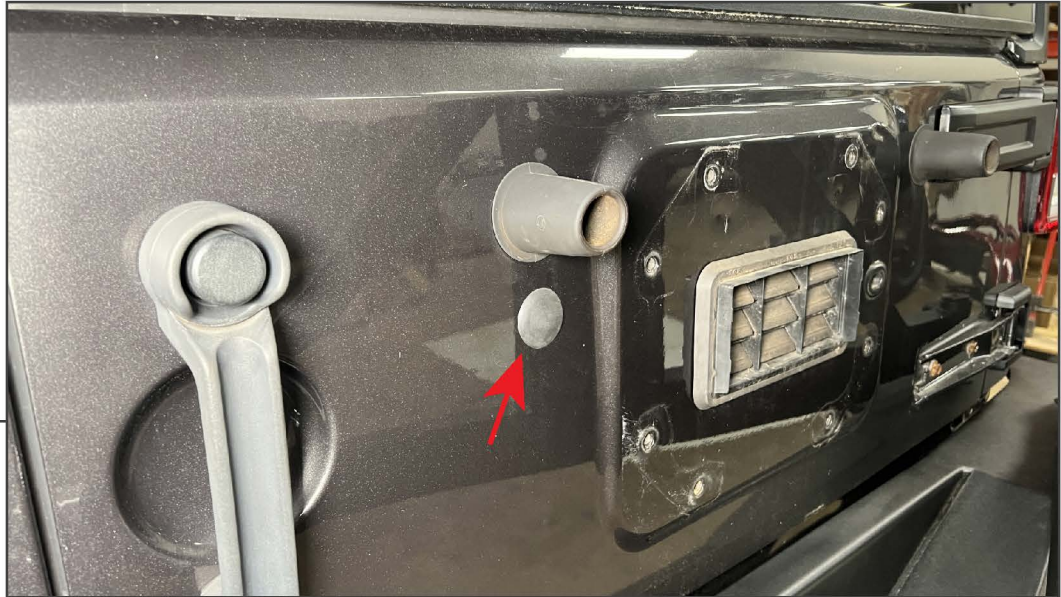
STEP 13

Loosely mount the spare tire mounting plate to the base using (2) M12 x 80mm bolts, (4) M8 flat washers, and (2) M12 lock nuts. Adjust the plate to fit with your wheel offset & tire combination. Lock the plate into place using (1) M12 x 30mm bolt, then tighten the M12 x 80mm bolts.

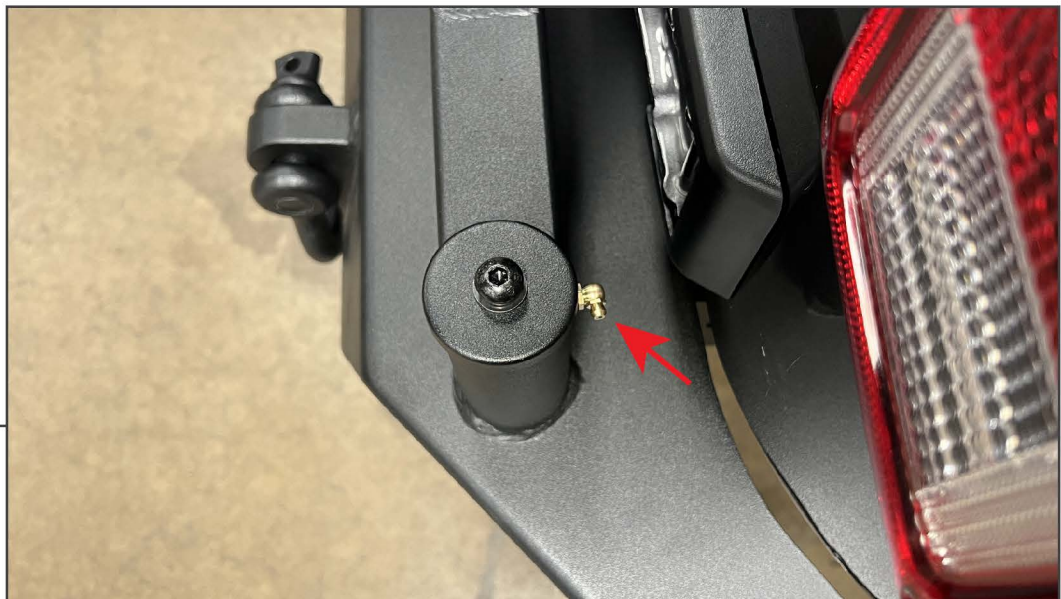
Mount the spare tire to the tire carrier using the included (3) lug nuts.

STEP 14

With the weight of the spare tire on the tire carrier, attempt to close the tire carrier to the bumper. Depending on the wheel's weight, the provided shims may be necessary to lift the mounting bracket to align to the handle to the bracket. Test and check using the shims, and once the handle fits and secures to the bumper properly, fully tighten the mounting bracket hardware.

**STEP 15**

Install the provided grommet into the vehicle third brake light hole in the tailgate. The grommet will require manipulation, take your time to ensure proper fitment.

**STEP 16**

Install the zerk fitting into the threaded hole in the tire carrier, tighten using a 9mm wrench.



STEP 17

Install the (2) 3/4" D-Rings to the bumper.

Installation is now complete.