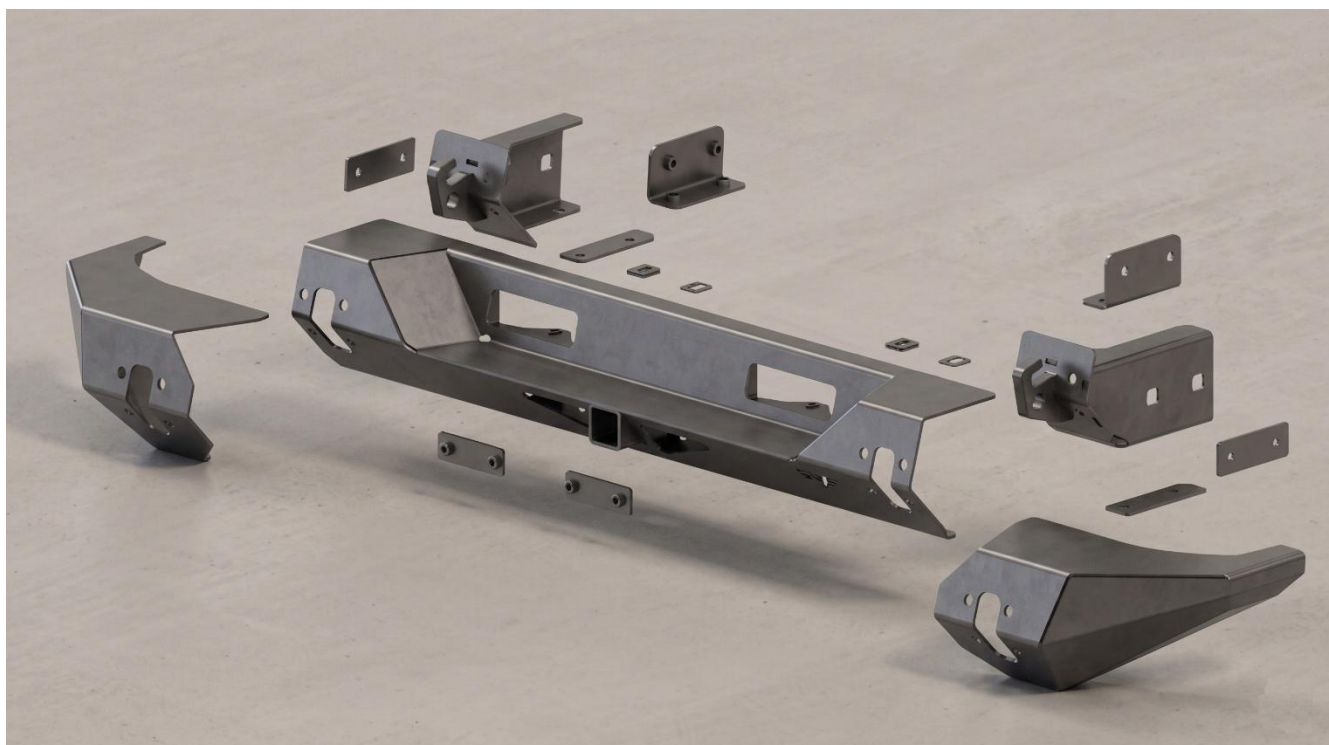




JK MOD REAR BUMPER

REAR BUMPER • JEEP WRANGLER JK & JKU



INSTALLATION INSTRUCTIONS • VERSION 1.0

INTRODUCTION & SETUP

Congratulations and Welcome to the Falken Fabrication family! You are the proud owner of an innovative and unique heavy-duty modular design bumper that will get you and your Jeep further into the woods! We bet you cannot wait to have it installed on your Jeep, so let's get started!

SAFETY FIRST

General Installation Information

Off-roading is a hands-on hobby, and this product is designed for user installation. However, if you feel unsure, please remember that safety is crucial when working with motor vehicles, whether on-road or off-road. Make sure your Jeep is properly leveled, parked on a stable surface, and fully secured before commencing work.

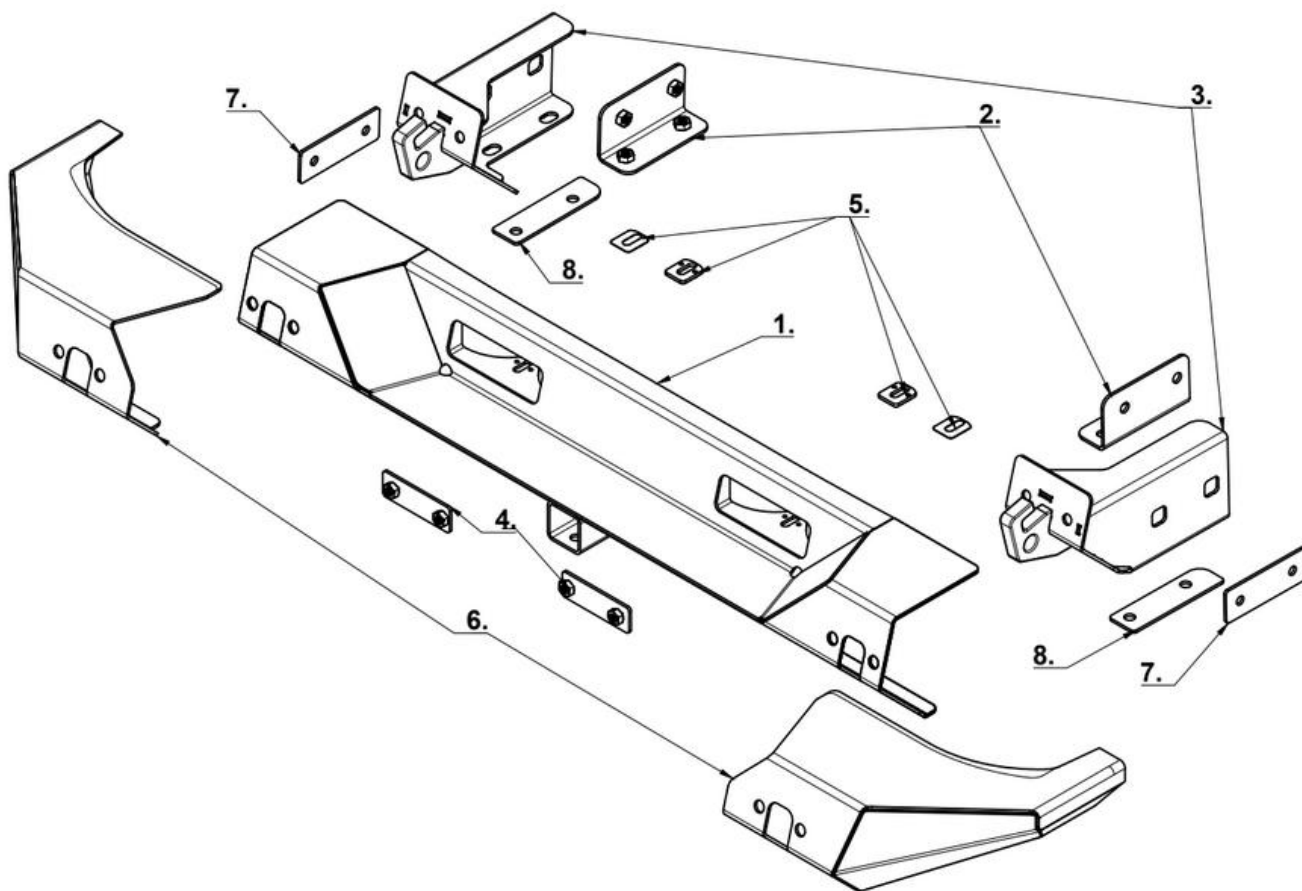
We cannot take responsible for any damage caused by incorrect installation so please don't hesitate to reach out if you have any questions. We're available to provide support and you will find contact information on our webpage.

Please take a few minutes to familiarize yourself with the instructions and to prepare for the installation by going through the parts before beginning. If the installation feels too challenging, we provide an installation service.

Please see our webpage for contact information. www.falkenfabrication.com



WHAT IS IN THE BOX:



MOD BUMPER PARTS

1. 1x Middle section
2. 2x Frame Rail Nut Plates
3. 2x Frame Mounts
4. 2x Hitch Nut Plates*
5. 4x Back-up Light Spacers
6. 2x End Caps
7. 2x Lower Frame Backing Plate
8. 2x Side Frame Backing Plate

NUTS AND BOLTS

1. 8x M12x35mm Allen Head Bolts
2. 8x M12x35mm Hex Head Bolts
3. 4x M12x110mm Hex Head Bolts*

TOOLS NEEDED

- Allen Wrench/Socket 8mm
- Socket/Spanner 10mm,
 - 13mm, 16mm & 18mm
 - Drill Bits 5mm, 9mm and
 - 13mm
 - C-Clamp
 - Touch-up Paint

STEP 1: REMOVAL OF THE STOCK REAR BUMPER

- 1 Start by disconnecting the fog and license plate light cable plug under the left side of the Jeep. Also pop out the Christmas tree fastener from the cable to the frame.



- 2 Remove the two bolts attaching the bumper to the rear crossmember. A ratcheting spanner wrench is ideal here. Finally, there are two bolts on each side right behind the rear tire which attaches to the frame. Remove these and you will be able to slide the bumper off.



- 3 Finally, there are two bolts on each side right behind the rear tire which attaches to the frame. Remove these and you will be able to slide the bumper off.



- 4 The factory tow hook is attached to the underside of the frame on one side and needs to be removed by unscrewing the two bolts.



5

HITCH RECEIVER MODELS ONLY

If you are installing the Mod Bumper which includes a hitch receiver you will also have to remove the existing hitch if any. Just leave the hitch electric connector hanging for now.

6

Take this opportunity to inspect the inside of the frame and clean out any dirt which might have been lodged in there.

7

Tip: Removing the spare tire will also make the install easier.



STEP 2: PREP THE FRAME FOR INSTALLATION

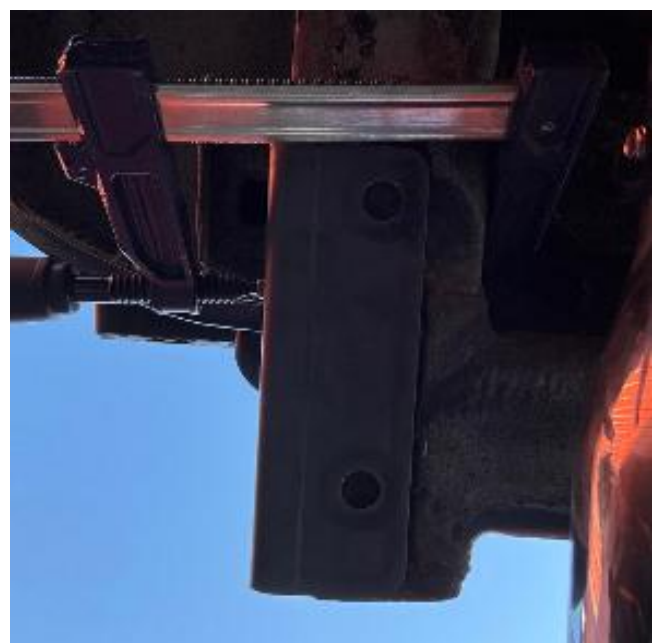
1 Both versions (hitch and non-hitch) of the Falken Mod Bumper attach to four holes on each frame end.

Two from the bottom and two from the side. Depending on the year of Wrangler you might be missing one or more of the bottom holes. Many other bumper brands only attach their bumpers to the four side holes, but we highly encourage you to drill out any missing holes so that your bumper is fastened in more than one axis.

2 To achieve accuracy, we have provided two custom steel drill templates (one for each side). Orient them on the frame rail so that the arrow on the side points backwards. Align the rear edge of the template with the rear edge of the frame rail.



3 Attach the template to the frame rail with a clamp. Start drilling out the missing underside holes. Start by aligning the 13mm bit to create a clear structural guided indentation. Switch to the 5mm drill bit to create a complete pilot hole through the steel. Enlarge the hole using the 9mm bit and complete the process using the final 13mm drill bit.



4 After drilling, stick the Frame Rail Nut Plate into the frame. Push it into the outer side of the frame and check that you can align all the holes with the Nut Plate. There are variations between JK Frame years to where these holes are located so you might have to enlarge in particular the front holes.

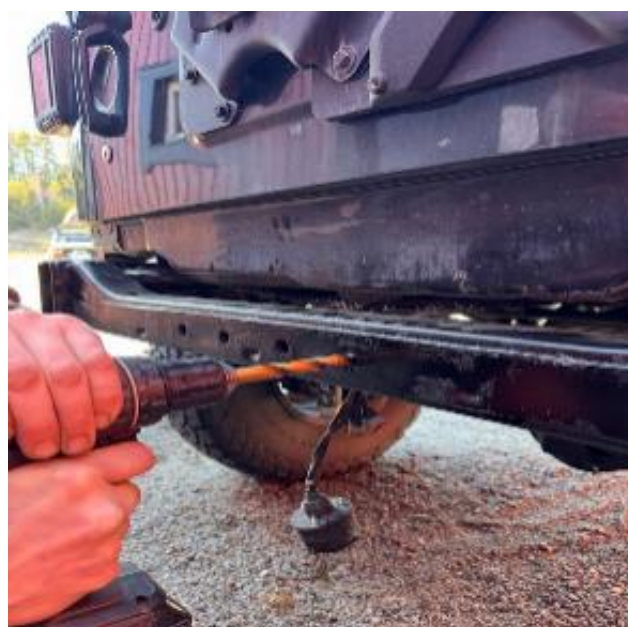
5 **HITCH RECEIVER MODELS ONLY**

The hitch receiver model also attaches to the four holes in the rearmost frame crossmember. Some welds around this area can be a bit sloppy and interfere with the mounting surface between bumper and crossmember. If they do, just grind them down flush with an angle grinder.



6 **HITCH RECEIVER MODELS ONLY**

Two of the four holes in the crossmember can also be really tight. If you can't easily push the bolts through and have some slop enlarge them with a 13mm drill or even a 16mm if you have to make installation easier.



7

Clean and properly touch up any exposed metal with paint to alleviate rust.

8

This is also a good point to properly route and prepare the electrical wiring for the backup lights.



STEP 3: ASSEMBLE BUMPER PRIOR TO INSTALLATION

1

Put the Middle Section on a narrow table or even a chair so that the ends are hanging in free air and the rear of the bumper is pointing up.

2

Hold the Frame Mounts up from the underside and then put the End Cap in place over the bumper. Please take care not to scratch the paint of the shackle mounts.



3 Insert the four M12x35mm Allen Button Head Bolts and washers through the End Cap and Middle Section into the weld nuts of the Frame Mount. Finger-tighten so that the pieces sit together without flopping around. Repeat on the other side.

4 Turn the bumper over so that you can access the back-up light mounts. To facilitate the different heights of different brands of lights we have provided you with two sets of spacers. Take a moment to dry fit and test which combination works best for your application.



5 Adjust the depth of the lamp to your liking. Ideally the rear of the lamp shouldn't stick out more than 5mm beyond the end of the lamp mount.

6 Tighten the lamp mounts to final torque as these won't be easily accessible with the bumper on the Jeep.

STEP 4: ATTACH THE BUMPER TO THE JEEP

1 Insert the Frame Rail Nut Plate into the frame.

2 Remove the spare tire as this will interfere with the installation.

3 Lift the entire bumper assembly onto the frame rails taking care not to scratch the paint of the Jeep. The bumper will stay put on the car as long as you push it far enough onto the end of the frame rails. (If you're not comfortable lifting and fitting the bumper by yourself this is a good point to bring in an extra set of hands.)



4

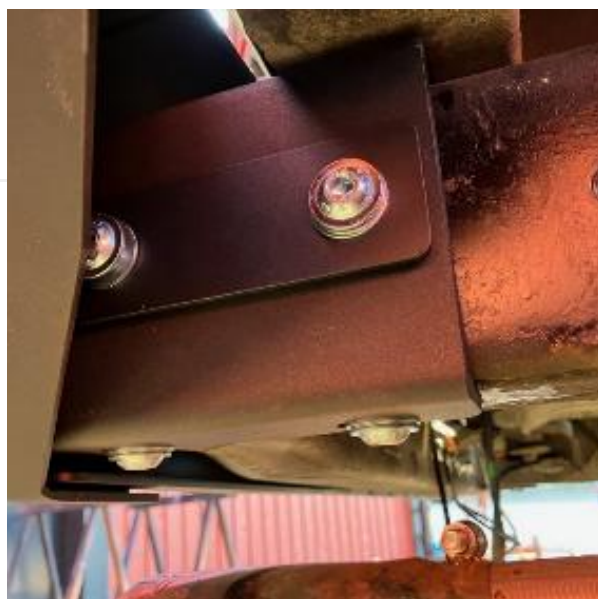
Route the back-up light wiring over the rearmost frame crossmember.

5

Loosely install the four frame rail side M12x35mm Hex Bolts with Washers and the Frame Mount Nut Plate.

6

Install the four frame rail bottom M12x35mm Hex Bolts with Washers. The loose side bolts are a good way to move Frame Rail Nut Plate into position. Hand tighten the bolts so that the bumper is in its uppermost position. As mentioned before the hole placements in the frame varies from one car to another. Should you have trouble threading the lower bolts a clamp on the side of the Frame Mount can be helpful.



7

Finger tighten the four frame rail side bolts so that the Frame Mount is flush with the frame.

8

HITCH RECEIVER MODELS ONLY

At this point install the four M12x110mm and washers through the rearmost crossmember and fasten with the Hitch Nut Plates. The Hitch Connector bracket goes on one of these bolts under the washer. Tighten these bolts snug with a tool but not to final torque.



9

Double check that the Bumper Assembly bolts are still finger tight.

10

Move on to snug tighten the eight frame rail bolts.

11

Snug the eight Bumper Assembly bolts.



12

Tighten all bolts to torque (88Nm) starting with underside frame rail bolts, side frame bolts, crossmember bolts (if any), bumper assembly upper bolts.

Follow this tightening sequence:

- First: Tighten the underside frame rail bolts.
- Second: Tighten the side frame rail bolts (tightening the top frame horn bolts first).
- Third: Tighten the center crossmember bolts (if applicable).
- Fourth: Tighten the main bumper assembly upper bolts, working from the bottom plane to the middle, and finally to the outer sides.

STEP 5: VERIFY FITMENT & TAILGATE CLEARANCE

1

You're close now but before you're done, please make sure to complete these final steps. First up, connect the fog lights and verify that they are working as intended.

2

Now, go through all bolts to see that they are tight and the parts they fasten are flush to the mating surfaces.

3

Finally, carefully open the tailgate verifying that it doesn't hit or scrape on the bumper. If it does or is really close because it's drooping, you might have to readjust it. This is done by doing the following.

- a. Loosen the guide pin under the lock pin while the tailgate is open. Close the tailgate.
- b. Prop up the hinge side of the tailgate so it can't fall down. Then loosen the four bolts which attach the hinge to the tailgate.
- c. First lift the tailgate up by grabbing the handle and simultaneously tighten the bolts.
- d. Check if this was enough of a raise. If it is skip to step f.
- e. If not loosen the bolts again and use a crowbar or similar for leverage to raise the hinge side and then the handle side. This might require a set of helping hands depending on how creative you are. Tighten bolt while keeping upward pressure.
- f. Open the tailgate and snug the guide pin. Close the tailgate, open it again and tighten the guide pin bolts completely.



FINAL STEP: CHEERS & ENJOY!

Congratulations, you have successfully completed the installation! Your Jeep is now officially outfitted for rugged new adventures deeper into the woods with premium heavy-duty rearward protection. Now open a cold beer or your favorite beverage, step back, admire how aggressive your Jeep looks, and rejoice!

