

JK FRONT DAGGER FRAME CHOP BUMPER INSTALLATION INSTRUCTIONS

TOOLS NEEDED

- 18mm socket or wrench
- Paint marker
- 10mm wrench & socket
- Tape measure
- Sawzall, or die grinder
- 15mm socket
- 1/2" drill bit
- 5/16" drill bit
- 7/16" socket
- 3/4" wrench & socket
- Flat head screwdriver

HARDWARE

- 4 - 1/2 X 5.5 Grade 8 Hex
- 8 - 1/2 Grade 8 flat washer
- 4 - 1/2 Stover lock nut
- 2 - M6 x 30mm Hex bolt
- 2 - M6 Lock nut
- 4 - M6 Washer

**Please read the mounting instructions below
carefully before attempting to install.**

Thank you for purchasing your new front bumper from JcR Offroad!
Checkout our website, www.jcroffroad.com for other great off-
road products. Be sure to rate and review our product online. If
you have any questions or are missing parts, please don't hesitate
to call us at 269-353-1184!

It is always best to trial install before painting/finishing to ensure proper fit. If using a bed liner type product, you may need to use a drill or file to open holes or openings to the proper size. Be sure to keep any and all paint or bed liner products away from all threads. If you are working on a 2012 or newer JK you will need to relocate the vacuum pump which requires cutting of the stock mount to accommodate the relocation bracket.

1 Using a flat head screwdriver, remove the (4) push pins then remove the lower plastic valance.



2 With the valance removed, use an 18mm socket, and remove the (8) nuts holding the bumper to the front of the frame. Be careful when removing the bumper as the factory fog lights will be re-used. Once that is done, remove the last two push pins on the upper filler panel and remove.



- 3** With the bumper removed. Measure 2" from the backside of the frame horn and mark using a paint marker.



- 4** Using a 10mm wrench, remove the vacuum pump from the factory bracket.



- 5** Now using the cutting tool of your choice, cut the frame horns and crash bar from the frame, using the lines you made.



- 6** With the frame horns and crash bar removed, clean up any rough edges with a grinder and cover any bare metal with your choice of spray paint.



- 7** **OPTIONAL** - Chopping the frame will leave your sway bar motor (if you have one) exposed. This can be easily flipped to keep it up out of harm's way. Simply remove the support bolt using a 15mm wrench. With the bolt removed, rotate the sway bar motor up to the next stock hole. An after-market bolt can be found online from several retailers.



- 8** Test fit the bumper by setting it on the frame ends. Line up the rear holes in the top of the bumper with the stock holes in your frame.



- 9** Once the back holes are lined up and the bumper is centered, mark all of the holes with a paint marker on the top and bottom of the frame.



- 10** Before drilling, you may want to remove your grill to give yourself more room to work and prevent any damage to your grill. Carefully pull the clips at the bottom and remove your fog lights by twisting them and pulling them out of the grill. Next, remove the six push pins on the top of the grill using a flat head screwdriver.



- 11** Now enlarge the rear factory holes using a 1/2" drill bit and drill all of your marks to 1/2" as well. We recommend hitting each mark with a punch, start with a smaller bit and work your way up to 1/2" in several steps. This will make drilling much easier. After drilling your top holes, you may want to measure from the frame end to the center of each hole to ensure your bottom marks match before drilling them.



- 12** Once all of the holes are drilled, cover the exposed metal with spray paint.



- 13** **OPTIONAL** - If you will be running a winch, install your JCR fairlead into the fairlead mounting bracket using a 7/32" allen wrench. Now place the bracket onto the bumper and place the winch on top of that. Using the provided hardware and a 15mm socket, mount the winch and bracket to the bumper. It is easier to install the winch with the bumper off of the Jeep but if you decide to add one later, it can be done with the bumper installed.



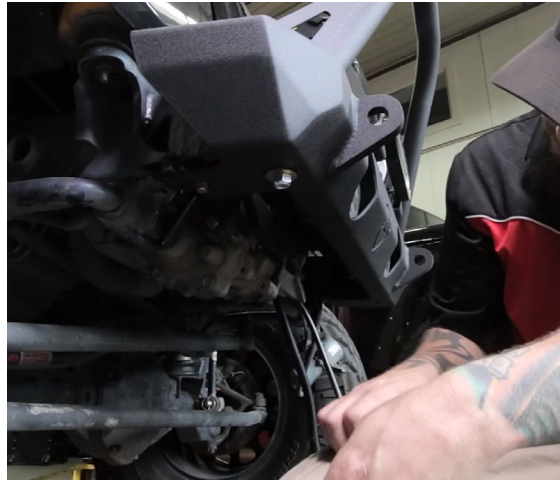
- 15** The next step will be to install the fog lights. Our mounting studs are 1/4", so you will need to drill out the factory holes slightly larger using a 5/16" bit. Then mount them using the provided hardware and a 7/16" socket.



- 16** Now put your grill back on and place the bumper onto the frame ends. Because this is a frame chop, the bumper is close to the body of the Jeep. It's easiest to run your winch cables through the grill directly behind the winch.



- 17** Now place the four provided bolts through the bumper.



- 18** **OPTIONAL** - If you have a 2012 Wrangler or newer you will need to install the vacuum pump relocation bracket that is included with the bumper. Using a 10mm socket and wrench install the vacuum pump into the bracket. Next place the bracket onto the bolts you just installed through the bumper.



- 19** Now tighten down all four bolts with the provided nuts & washers, install your winch cables, and plug in your fog lights.



- 20** Hit the trails and enjoy all of that extra clearance!

JKFDC - FRONT BUMPER DAGGER FRAME CHOP - JEEP WRANGLER (07-16)

Item Code Legend

- EX: JKFDC-T-PC
-0 : No Tubework
-T : Tubework
-PC : Powdercoated
-BARE : Bare Metal



Bumper



Vacuum Pump Relocation

Bolt Pack:

JKFDC:

- 4 - 1/2 X 5.5 Grade 8 Hex
- 8 - 1/2 Grade 8 flat washer
- 4 - 1/2 Stover lock nut
- 2 - M6 x 30mm Hex bolt
- 2 - M6 Lock nut
- 4 - M6 Washers

Boxes:

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