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## JEEP WRANGLER JK / JKU FRONT WINCH BUMPER

P/N: 597 / 59750 / 598 / 59850 / 599 / 59950

### INSTALLATION INSTRUCTIONS

#### PRE-INSTALLATION NOTES:

Installation onto 2012 and newer Jeep Wranglers will require removal and relocation of the factory vacuum assist unit as it is in the way of mounting an aftermarket bumper. This component is located near the end of the driver side frame rail. Warrior part number '5905 JK Vacuum Pump Relocation Bracket' will alleviate this fitment issue. These series of bumpers have provisions to mount the factory fog lights and most winches in the 8,000-9,500lbs. range. Some winches may not be compatible as they need to be able to fit down between the JK Wranglers' front frame rail plates (approx. 23.5"). The Warn 'Zeon' series of winches will not fit as they are too wide. Complications may arise if attempting to fit a larger bodied, 10,000lbs or larger winch. Lastly, when fitting the factory fogs into the Warrior bumper, be aware that there will be some slight wire lengthening that needs to take place to reach the new fog light locations.

#### PREPARATION FOR BUMPER INSTALLATION:

1. Begin by removing the lower air valance under the factory bumper. It is attached with plastic fasteners that may be a bit stubborn.
2. Remove the two plastic fasteners holding the upper frame cover in place and remove the cover.
3. Unplug the wiring from the factory fog lights and temporarily tuck the plugs out of the way until needed.
4. Remove the (8) 18mm nuts holding the factory bumper onto the frame and remove the bumper, tow hooks and tow hook reinforcement plates.
5. Remove the factory fog lights from the factory bumper. You will be utilizing the 4 outermost holes around the perimeter of each fog light, however they will need to be drilled out to  $\frac{3}{16}$ " to fit over the mounting studs within the Warrior bumper.
6. Place the factory fog lights onto the mounting studs within the Warrior bumper paying close attention to their orientation. There is a small black 'vent' on the backside of each factory fog light that needs to be in the up position. Affix them into place with the (8) #10-32 Keps Nuts provided.
7. Test fit the Warrior bumper by sliding it into place on the front frame mounting plates. If the studs don't quite line up, you may need to slightly enlarge some of the Jeeps' frame mounting plate holes. Have an assistant hold the bumper in place while you determine which holes may need attention. If you've enlarged any of the holes, apply some touchup paint to the bare metal areas to prevent any future rust issues from developing.
8. To lengthen the fog light wiring, pull back a few inches of the factory plastic sheathing and cut the fog light plugs off of the wiring harness. Splice in 14" lengths of 18ga wire onto each wire from the harness to extend the plugs. Reattach the fog light plugs onto



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the extended wires and wrap with electrical tape or shrink-wrap. Replace factory plastic sheathing and give the end a couple wraps of electrical tape to secure it.

**BUMPER INSTALLATION:**

1. As the top winch opening of the bumper is fairly accessible, for ease of installation you may choose to fit the winch after the bumper has been mounted to the Jeep.
2. With the help of an assistant, lift up the bumper and fit the studs through the frame rail mounting plates. Hand-thread on the (8) ½" flange nuts and visually align the bumper if you are able. Once you are satisfied with its positioning, tighten the flange nuts with a ¾" nut driver.
3. Reconnect your fog light wiring and test the lights.
4. Proceed with your winch manufactures' recommended installation instructions.



If you need further assistance installing your product, please contact us by email at [customerservice@warriorproducts.com](mailto:customerservice@warriorproducts.com) or call us at (888) 220-6861.

**THANK YOU FOR PURCHASING WARRIOR PRODUCTS**



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