

# ARTEC INDUSTRIES JL NIGHTHAWK REAR BUMPER INSTRUCTIONS



**INSTALL  
TIME: 1-2 hrs**

Thank you for your purchase of our JL Nighthawk Rear Bumper designed to protect the backside of your JL Jeep Wrangler. This bumper is designed to fit very closely to factory frame and body for a simple and precise assembly. If you have any questions that are not answered in these instructions, contact us at sales@artecindustries.com.



Part SKU	Qty	Component Name	Bill of Materials <b>JL5501</b>
JL5501	1	JL Rear Bumper	
HW0064	2	1/2 - 13 x 2 in Grade 8 Hex Bolt	
HW0066	2	1/2" Flat Washer	
HW0095	2	M12 x 1.5 mm Grade 8.8 Hex Nut	
HW0102	4	O-Ring 1.0625" ID 0.0625" Width	
HW0103	4	Plastic Plug with Snap-in Ring 3/4" ID	
JL5501-6	4	JL Rear Bumper Back Up Sensor Spacer	
JL5501-7	1	Nutstrip with two 1/2" press nuts	

## REQUIRED TOOLS

- 3/8" ratchet
- 6" socket extension
- 18mm normal socket
- 18mm deep socket
- 16mm deep socket
- 21mm normal socket
- 3/4" deep socket
- silicon (optional)

## FINISH:

These bumpers ship bare steel so as to avoid damage to the finish during shipping and allow you a personalized finish. **FITTING OF BUMPER TO THE VEHICLE IS RECOMMENDED PRIOR TO PAINT OR POWDERCOAT.**

**STEP 3.** Remove factory bumper and all mounting brackets. If applicable unbolt trailer plug from Jeep frame. On the factory receiver hitch, remove the two outside factory bolts and mounting bracket. Install these bolts in the reverse direction of original mounting so now the bolt head is to the outside of the vehicle. Use the two supplied metric nuts to fasten the bolts. (see diagram 1)



Diagram 1

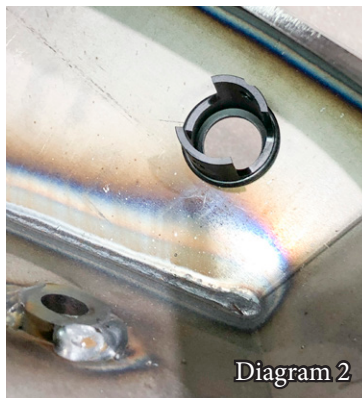


Diagram 2

**STEP 4.** Remove backup sensors and harnesses from your factory bumper. Skip this step if no sensors included.

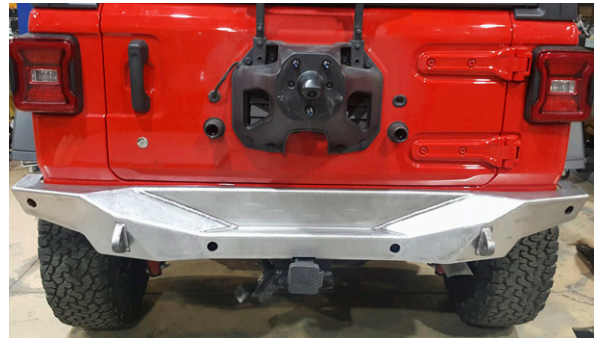
**STEP 5.** Insert the supplied Back Up Sensor Spacers (JL5501-6) from the exterior of the bumper into the four hole locations in the bumper. The spacers are keyed to ensure proper install. From the interior of the bumper, use O-rings to secure to spacers onto bumper (Diagram 2). Note: You can also use silicone to help hold clips. Install OEM sensors onto the bumper. If not using sensor or Jeep did not come with them, install the 4 provided plugs.

**NOTE: This product requires general mechanics skills and should only be installed by someone capable of using basic tools. Artec Industries is not responsible for incorrect installation.\***



**PRO TIP: DO NOT FULLY TIGHTEN BOLTS UNTIL ALL BOLTS ARE THREADED IN NUTS**

**STEP 6.** Place nut strip (JL5501-7) in the passenger side frame rail and line the press nuts with the factory holes. The press nuts should be on the top side (diagram 3).



**STEP 7.** With the help of another person, carefully put the bumper on the Jeep by sliding directly from behind ensuring the bumper is square to the frame. If you are angled, the bumper will not slide on easily.

**STEP 8.** Reuse the four 14mm long frame bolts to fasten the bumper threaded clevis holes to outside of the frame. The top hole can be accessed directly from the side with a normal socket (diagram 4). The bottom hole is accessed using the socket directly on the bolt head and then running an extension through the hole on the side of the bumper and connecting to the socket (diagram 5).



**STEP 9.** Fasten two OEM 14mm short bolts on the bottom of the driver side of the bumper to the frame (diagram 6). Fasten the two supplied 1/2" bolts on the bottom of the passenger side of the bumper to the frame with the inserted nut strip (diagram 7).



**STEP 10.** Plug in harness for back up sensors. If applicable reinstall the trailer plug and bracket. Mount spare tire.

**STEP 11.** Travel to somewhere EPIC, take photos of new rear bumper, post to social media, tag #inartecwetruss #artecindustries, #arteclife and live the Artec life. (see diagram 8)



Artec Industries, LLC is not responsible or liable for improper installation of this kit. Use common sense when installing. Variations in exhaust may necessitate modifications either to the exhaust or kit. Modified/used parts are not returnable.

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