

**JL PRO SERIES REAR BUMPER**

DOCUMENT: INST_25161_REVA • UPDATED: AUG 2020

Thank you for purchasing this ICON Vehicle Dynamics product. Please read through this entire document before proceeding with installation. If you are not confident in your mechanical skills, please seek the help of a professional to perform the installation. Check your packages immediately upon arrival to ensure that everything listed is included, and to check for damage during shipping.

**APPLICATION**

These installation instructions apply to the following products:

25161 18-UP JEEP JL PS REAR BUMPER W/ HITCH & TABS

COMPONENTS INCLUDED

(1) JL PRO Series Rear Bumper

HARDWARE INCLUDED

- (6) 3/8-16X 1-1/4 Gr8 Hex Head Cap Screw
- (6) 3/8 Gr8 SAE Flat Washer
- (6) 3/8-16 Clip-Nut

TECH NOTES

NOTE: These installation instructions are based on a clean installation on to a stock 2018+ Jeep JL Wrangler. Previously modified vehicles may require additional steps.

TOOLS REQUIRED

- Ratchet with 8mm, 16mm, 18mm, 21mm & 9/16 sockets
- Flat head screwdriver
- Retainer clip removal tool
- Drill motor with drill bits or step bit up to 1"
- Cutting fluid or lubricant
- Black paint and primer
- Fine-tip felt marker or center-punch

IMPORTANT NOTICES - PLEASE READ FIRST

- ✓ **READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!**
- ✓ **ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.**

INSTALLATION INSTRUCTIONS

1. Ensure the vehicle is placed on a flat, level surface with the transmission in PARK, the tires chocked, and the emergency brake ON. Wear safety glasses from this point forward.
2. Remove the spare tire, if present, and set it aside.
3. Inside the rear wheel well, use the ratchet with 8mm socket to remove the three bolts that hold the rear lower inner fender liner in place. Set the rear lower inner fender aside. Repeat the procedure on the opposite side of the Jeep.
4. Behind where the lower inner fender liner had been, on the driver side, locate the license plate wiring harness connector, where it is clipped to the sheet metal wall of the Jeep's body tub. Push up on the gray locking tab and pull the connectors apart. Use a retainer clip removal tool or flat screwdriver to remove the two plastic clips that attach the license plate harness (bumper side) to the Jeep's body.
5. Use a 16mm socket and ratchet to remove the sheet metal bracket that braces the outer end of the bumper to the frame rail. There are four (4) bolts, two at the frame end and two at the bumper end of the bracket. Repeat the procedure to remove the bracket from the opposite side of the Jeep.



6. Use the 16mm socket and ratchet to remove the two rearward-facing bolts (accessed from inside the wheel well). Repeat for the opposite side.
7. Lift the plastic bumper and remove it from the vehicle.
8. Use an 18mm and/or 21mm socket (depending on model year) to remove the two sheet metal corner brackets and the tow hook from the ends of the frame rail.



FIG. 1

9. Install one of the provided 3/8-16 Clip Nuts into the third bolt location on the outside of each frame rail. Insert the clip-nut over the edge of the frame rail as shown in the photo below, and slide it into place so that the extruded, threaded portion of the clip-nut indexes into the hole. A tap with a hammer may be needed to coax the clip nut into place.



FIG. 2



FIG. 3

10. With the help of a friend, lift the bumper into place. If it is a snug fit, protect the powder coat finish with a pad and towel, and use a rubber mallet or soft dead blow hammer to tap the bumper into place.



FIG. 4

11. Install the two OE bumper bolts into the stock bumper bolt locations on either side of the frame rail. Install a supplied 3/8-16X 1-1/4 Gr8 Hex Head Cap Screw with 3/8 Gr8 SAE Flat Washer into the third bolt location (where the clip-nut was installed in a previous step). Once all fasteners have been installed on both sides of the bumper, use the 18mm (OE bolts) and 1/2" (3/8" bolts) and ratchet to tighten these fasteners.



FIG. 5



12. There are four bolt holes along the bottom surface of the ICON bumper. Use a fine-tip felt marker or center punch to mark the center of each of these holes on the bottom of the rear crossmember, as these holes will be drilled in a subsequent step.



FIG. 6

13. Remove the previously-installed bumper bolts and, with the help of a friend, lift the ICON bumper off of the Jeep and set it aside.
14. Drill each of the four (4) previously marked hole locations along the bottom of the crossmember. Use a step drill or a series of drill bits, stepping up in sizes to a final hole size of 1/2" diameter.
15. Use a file or sander to de-burr the edges of the newly-drilled holes. Primer and paint the exposed metal around the edges of the holes in order to prevent future rust.
16. Install the four (4) remaining 3/8-16 Clip Nuts into the new bolt locations along the bottom of the rear crossmember. At each of the bolt locations, insert the clip-nut into an adjacent, pre-existing larger hole, and slide it into place so that the extruded, threaded portion of the clip-nut indexes into the newly drilled hole.
17. With the help of a friend, lift the ICON bumper back into place and re-install the four (4) OE bumper bolts and two (2) supplied 3/8" bolts on either side of the bumper. Do not tighten until all of the bumper mounting bolts are installed, in the next steps.
18. Insert a supplied 3/8-16 X 1-1/4 Gr8 Hex Head Cap Screw, with 3/8 Gr8 Flat Washer, into each of the four (4) bolt holes along the bottom surface of the ICON bumper, into the clip-nuts previously installed into the bottom of the Jeep's rear crossmember. It may be necessary to use a spud bar or screw driver to slightly adjust the position of the clip-nut prior to inserting the bolt.

19. Once all of the fasteners have been installed, fully tighten each of them with a wrench. Use a 16mm socket or wrench on the four re-used OE bumper bolts and a 9/16" socket or wrench with the supplied 3/8" Grade 8 hardware.



FIG. 1

20. If the vehicle had been previously-equipped with a tow hitch, use wire ties (not supplied) to secure the trailer tow wiring plug in place.
21. It is up to the installer to re-locate the Jeep's license plate and wire the license plate illumination lamp. Supplies and procedures to do so are not included with the bumper.
22. Reinstall the spare tire.

Congratulations! Your installation is complete.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.