



# JL/JT PRO SERIES FRONT BUMPERS WITH RECESSED WINCH MOUNT

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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. If anything is missing or damaged, or if you need technical assistance with any aspect of this installation, call (951) 689-ICON as soon as possible.



## TOOLS REQUIRED

- Ratchet with extension, 13mm, 16mm, 17mm, 18mm, 1/4" & 5/8" sockets
- Torque wrench
- Soft dead blow hammer or rubber mallet

*If installing a Warn ZEON Winch:*

- Ruler or tape measure, straight edge, marker, cut-off wheel, grinder or file, touch-up paint pen

*If installing a fairlead with larger than 3/8" bolts:*

- Drill motor and drill bit (size to match fairlead bolts), touch-up paint pen

## APPLICATION

These installation instructions apply to the following products:

- 25244 2018+ JL-JT PS FRONT BUMPER REC WINCH MNT W/ BAR & TABS
- 25245 2018+ JL-JT PS FRONT BUMPER REC WINCH MNT W/STINGER & TABS

## COMPONENTS INCLUDED

- (1) PRO Series Front Bumper with Recessed Winch Mount

## HARDWARE INCLUDED

- (6) 7/16-14 Gr8 Nylon Insert Lock Nut
- (6) 7/16 SAE Gr8 Flat Washer
- (8) #8-32 X 1/2 Gr8 Hex Head Cap Screw
- (8) #8-32 Gr8 Nylon Insert Lock Nut
- (4) M10-1.50 X 40MM Gr10.9 Hex Head Cap Screw
- (4) M10 SS Flat Washer
- (4) M10-1.5 Hex Barrel Rivet Nut
- (1) M10-1.5 Rivet Nut Install Tool

## TECH NOTES

**NOTE:** These installation instructions are based on a clean installation on to a stock vehicle. Previously modified vehicles may require additional steps.

## 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.**

## FOG LIGHT COMPATIBILITY

**NOTE:** The recessed fog light mounts on this bumper are only directly compatible with the OE Jeep LED Fog Lamps, which are available as optional or standard equipment on all Jeep JL and JT models. The standard halogen fog lamps do NOT bolt in. However, LED cube lights from Rigid and other manufacturers may be easily installed, using adapter plates available from the LED light manufacturers.

## INSTALLATION INSTRUCTIONS

**NOTE:** Some of the photos included in the following instructions depict installation on a Jeep JK. In these instances the procedure as depicted in the photo is identical to installation on a Jeep JL or JT.



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 stock skid plate or plastic lower valance using a 13mm and 16mm.



FIG. 1

3. If your Jeep is equipped with factory fog lamps, reach behind the bumper and disconnect the fog lamp wiring harness from the chassis wiring harness. Disconnect and remove any other accessories from the front bumper such as a winch or off-road lights.
4. Use an 18mm deep socket with extension to remove the (8) nuts holding the bumper to the bumper mounting flanges on the end of each frame rail. There are two nuts on each side of each frame rail.

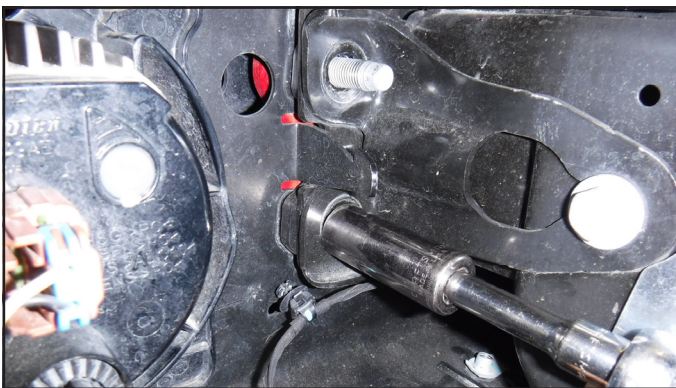


FIG. 2

5. Carefully slide the bumper off of the frame rails and set it aside.



FIG. 3

6. Remove the lower skid plate brackets (if equipped) from the bottom of the frame using a 16mm wrench or socket.
7. If your Jeep was equipped with an OE steel skid plate from the factory, it will have the four skid plate bracket threaded inserts (two per side) as shown in the photo below. If the Jeep does not have these, ICON has provided four (4) M10-1.5 Hex Barrel Rivet Nuts to be installed in these locations. Install them according to the instructions in the section titled "SUPPLEMENT: USING THE RIVET-NUT TOOL."

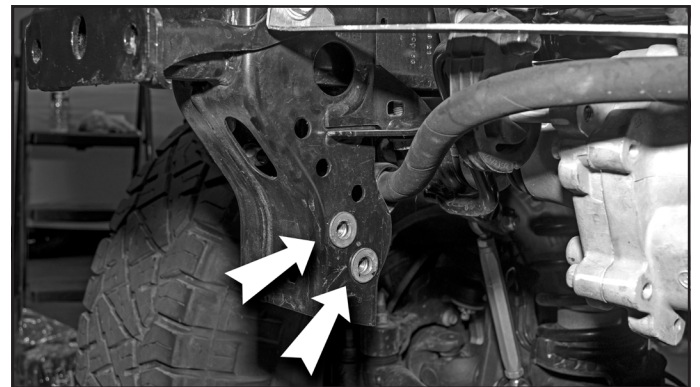


FIG. 4

8. If you wish to re-use your Jeep's factory fog lamps\*, remove them from the OE bumper and install them into the ICON Impact bumper using the supplied #8-32 X 1/2 Gr8 Hex Head Cap Screws and #8-32 Nylon Insert Lock Nuts.

*\*OE optional LED fog lamps only, see note at the beginning of these instructions.*

9. If mounting the bumper with a Warn ZEON winch, trim the top-inside corner of the bumper mounting flanges on each frame rail. Begin by marking your cut as indicated in the image below, measuring about 1-1/4" outward and downward from the top-inner corner of each frame-rail, and marking a diagonal cut line across the corner of the flange.



**SUPPLEMENT: USING THE RIVET-NUT TOOL**

*It is recommended to use a dedicated rivet-nut installation tool if one is available, however the process can be performed using the simple "tool" included in the hardware kit. The included tool consists of a bolt, two washers and a coupler (long) nut:*



**A.** Begin by slipping a washer on to the bolt, followed by the coupler nut, followed by the second washer. Thread the rivet-nut you wish to install on to the end of the bolt and snug it up to the washer, then back it off a quarter turn so that the washers and coupler nut can spin freely on the bolt.

**B.** Insert the knurled end of the rivet-nut into the hole, pressing its flange firmly against the Jeep's sheet metal. Use an end wrench to hold the coupler nut stationary while turning the head of the bolt clockwise with a ratchet and socket. As the ratchet is turned, the bolt will draw the far end of the rivet-nut toward the inside of the sheet metal, gripping it with the knurled outside edge of the nutsert as it deforms.

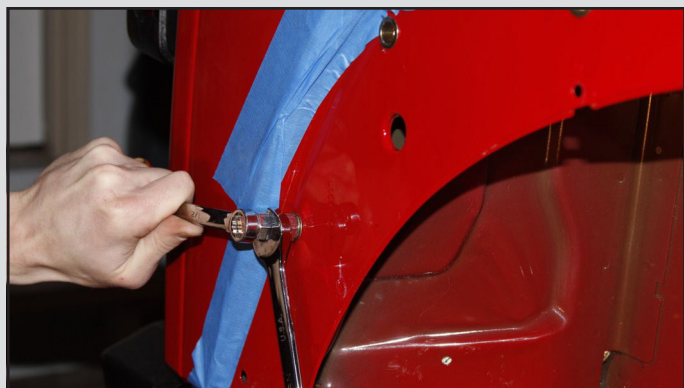


IMAGE MAY NOT MATCH THIS PART INSTALLATION. IT IS FOR ILLUSTRATION OF THE USE OF THE TOOL ONLY.

**C.** Continue to turn the ratchet until the rivet-nut is fully seated. **DO NOT OVER-TIGHTEN** as you can damage the nutsert, or cause it to lose its grip.

**D.** Once the nutsert has seated correctly, loosen the bolt then remove it and the rest of the tool from the nutsert.

**E.** Install a new rivet-nut onto the tool, oriented the same as the last, and set it aside until your next nutsert installation.

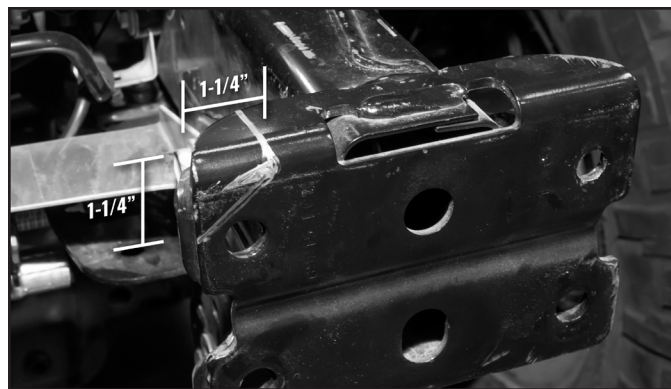


FIG.5

Use a die grinder or cutoff wheel to cut the corner of the bumper mounting flange. (NOTE: the following three images depict the procedure on a JK, however the procedure is the same on a JL.)

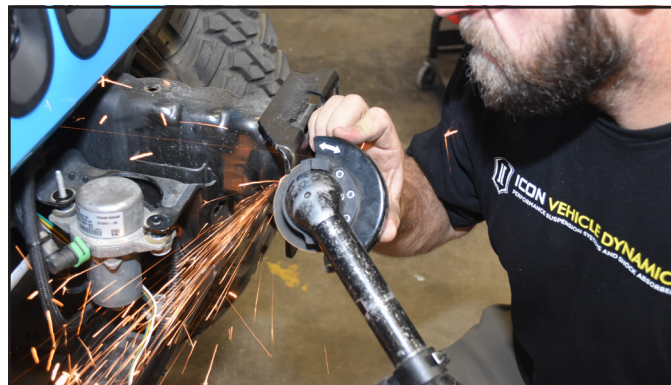


FIG.6

Use a file, sander or grinder to de-burr the edges of your cuts.



FIG.7

Use a paint pen or touch-up paint with a brush to coat the bare metal at the edges of the cuts to prevent rust.



FIG.8

- 10. Use a soft dead blow hammer to tap the pre-installed mounting bolts on the inside of the ICON bumper, to break the retaining washers loose in case they have been painted into place by the powder coating process. The bolts will need to be able to “float” slightly to reduce frustration when installing the bumper.



FIG.9

- 11. Install a winch fairlead on to the bumper. Begin by checking your fairlead’s mounting bolts against the fairlead mounting holes in the ICON bumper. Some fairleads come with larger mounting bolts, in which case the holes in the bumper will need to be drilled to the larger size. If you do this, make sure to use touch-up paint on the exposed metal of the drilled holes.



FIG.10

Bolt the winch fairlead into place using the hardware and procedures recommended by the fairlead manufacturer.



FIG.11

- 12. Install the winch on to the ICON bumper, using the hardware and procedures recommended by the winch manufacturer.



FIG.12

- 13. With the help of a friend, lift the Bumper into place so that it is sitting on the frame mounts.



FIG.13

Before seating the bumper all the way into place, route the winch power cables under and behind the grille, and to wherever you will be making those connections. This will be easier to do



before the Winch is seated into its final mounting location.



FIG.14

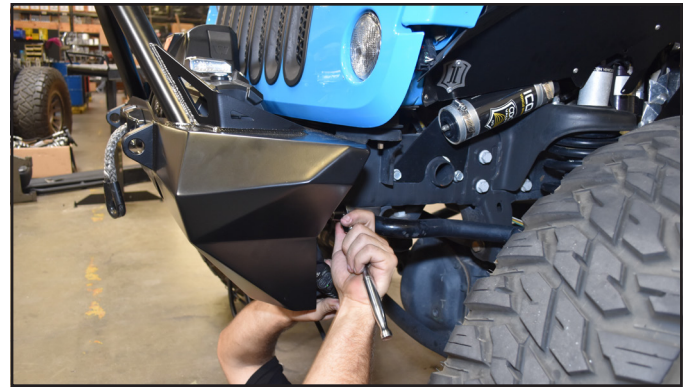


FIG.16

- 14. Finish seating the bumper into place. There are six (6) pre-installed bolts located on the inside of the bumper, which will correspond with the bumper mounting holes on the frame. (3 per side) It may be a tight fit due to slight manufacturing variances from Jeep to Jeep, but the bumper will fit with some gentle persuasion. You may need to use a rubber mallet or soft dead-blow hammer to tap the bumper into place. Be careful not to mar the powdercoat finish.
- 15. Install the four (4) supplied M10-1.50 X 40MM Gr10.9 Hex Head Cap Screws, with M10 SS Flat Washers, through the bumper's inner mounting flanges (shown in the image below, on the un-installed bumper for clarity), into the threaded inserts in the Jeep's frame where the skid plate mounts were attached. Start these bolts into the threads but do not tighten them yet.

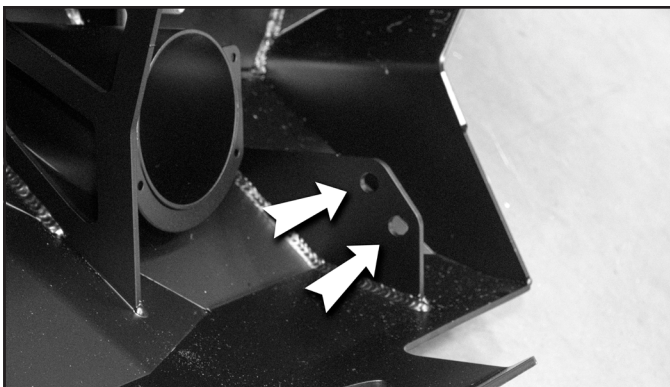


FIG.15

- 16. Install the supplied 7/16-18 nylon insert lock nuts and 7/16" flat washers onto each of the six bumper mounting bolts at the outside and inside of the frame rail on either side of the Jeep. Snug these with the 5/8" deep socket, extension and ratchet. Torque these nuts to 52 ft.-lbs.

- 17. Use a 17mm socket and ratchet to finish tightening the four M10 bolts holding the bumper's inner mounting flanges to the Jeep's skid plate mounts.
- 18. Complete any electrical connections for winch, fog lights and auxiliary lights according to their manufacturer's recommendations.
- 19. **VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**

*Congratulations! Your installation is complete.*

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

**LIMITED LIFETIME WARRANTY**

*ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.*

*ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.*

*ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.*

*This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.*

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