

JL/JT PRO SERIES FRONT BUMPER SKID

DOCUMENT: INST_25159_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. 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.



APPLICATION

These installation instructions apply to the following products:

25159 18-UP JEEP JL / 20-UP JT PS FRONT BUMPER SKID

COMPONENTS INCLUDED

(1) JL-JT PRO Series Front Bumper Skid

HARDWARE INCLUDED

- (11) 5/16-18 X 1 Gr8 Hex Head Cap Screw
- (7) 5/16-18 Gr8 Nylon Insert Lock Nut
- (11) 5/16 Gr8 SAE Flat Washer
- (4) 5/16-18 Rivet Nut
- (1) 5/16-18 Rivet Nut Install Tool - Includes:
 - (1) 5/16-18 X 2 Gr8 Hex Head Cap Screw
 - (2) 5/16 Gr8 SAE Flat Washer
 - (1) 3/8-16 X 1-1/8 Coupling Nut
 - (1) 5/16-18 Rivet 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

- (2) 1/2" combination wrenches
- Rivet Nut (Nut-Sert) Installation Tool (included)
- Drill motor with 17/32" drill bit

REQUIRED EQUIPMENT

The ICON Impact PRO Series Front Bumper Skid can only be installed on Jeeps that already have the PRO Series Front Bumper. These instructions assume the bumper has already been installed on the Jeep.

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. Overserve the Jeep's lower front frame horns. These will be the vertical structures that hang below the frame rails, a couple of inches back from the end of the frame rail. If the Jeep came with an OE skid plate, the two threaded inserts shown in the photo below are where the skid plate attached, and will be utilized in the installation of the PRO Series Front Skid.



FIG. 1

Note that some Jeeps will not have these threaded inserts installed. In which case the



provided 5/16-18 Rivet Nuts will have to be installed.

- Note the skid mounting holes along the bottom of the PRO Series Front Bumper. Place the Skid up to the bumper and install a provided 5/16-18 X 1 Gr8 Hex Head Cap Screw, two 5/16 Gr8 SAE Flat Washers and a 5/16-16 Gr8 Nylon Insert Lock Nut at each end of the skid.



FIG. 1

- If the Rivet-Nuts mentioned in Step 2 need to be installed, tighten the two fastener sets that were preliminarily installed in the previous step. Use a fine-tip felt marker or center-punch to mark the centers of the holes in the lower frame holes where the rivet-nuts will need to be installed, using the bolt holes in the skid's lower mounting flanges as the guide. Remove the skid and drill the four holes (two on each side) to 17-32". Install a 5/16-18 Threaded Rivet Nut (Nut-Sert) into the newly drilled hole. If a dedicated rivet-nut installation tool is not available, use the simple tool that is included in the hardware kit, following the instructions in the section titled "SUPPLEMENT: USING THE RIVET-NUT TOOL." Re-install the skid on to the bumper.
- Install the remaining 5/16-18 hardware into the rest of the mounting holes attaching the skid to the bottom side of the bumper, as well as the four bolt locations attaching the skid's lower mounting flanges to the lower frame horns of the Jeep. Once all fasteners are started, go back over each fastener ensuring they are all tight.

*Congratulations! Your installation is complete.
RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.*

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 nut-sert as it deforms.

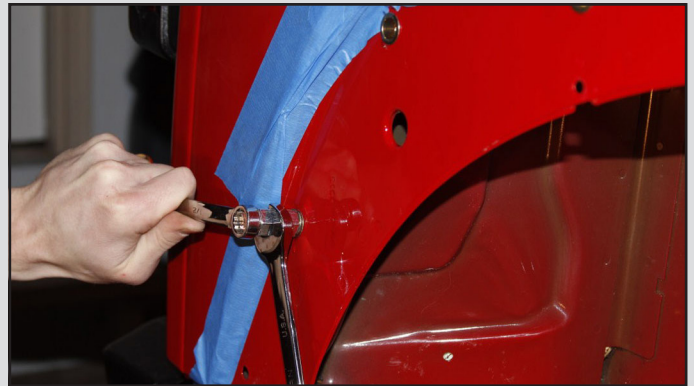


IMAGE MAY NOT MATCH THIS PART INSTALLATION. IT IS FOR ILLUSTRATION OF THE USE OF THE TOOL ONLY.

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

D. Once the nut-sert has seated correctly, loosen the bolt then remove it and the rest of the tool from the nut-sert.

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

**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.

**ICON VEHICLE DYNAMICS®**
PERFORMANCE SUSPENSION SYSTEMS AND SHOCK ABSORBERS

7929 Lincoln Ave. Riverside, CA 92504
Phone: 951.689.ICON Fax: 951.689.1016
www.iconvehicledynamics.com

**FOLLOW US ON FACEBOOK!**