



17-UP FSD PRO SERIES REAR BUMPER

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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.



APPLICATION

These installation instructions apply to the following products:

66201 17-UP FSD PRO SERIES REAR BUMPER

COMPONENTS INCLUDED

- (1) 17-UP FSD REAR BUMPER
- (1) 17-UP FSD REAR BUMPER FRAME BRKT PASS
- (1) 17-UP FSD REAR BUMPER FRAME BRKT DRVR
- (1) 17-UP FSD REAR BUMPER HARDWARE KIT

HARDWARE INCLUDED

- (1) TRAILER CONNECTOR PLATE
- (2) BUMPER LICENSE PLATE RETAINER
- (4) 10-32 X .500 BHCS 18-8 RAW
- (1) BUMPER SENSOR MOUNT (FOUR PACK)
- (4) #10 SAE FLAT WASHER GR2 CZINC
- (4) 10-32 NYLOCK NUT CZINC
- (8) 1/2-13 X 1.000 HHCS GR8 YZINC
- (8) 1/2 SAE FLAT WASHER GR8 YZINC
- (6) CABLE TIE HOLDER ADHESIVE MOUNT
- (6) 5-1/2 X 0.14 NYLON CABLE TIE BLACK

TOOLS REQUIRED

- Ratchet and extensions
- Body panel clip removal tool
- Flat head screwdriver
- 15mm socket/wrench
- 21mm socket/wrench
- 1/8" hex key
- 3/8" socket/wrench
- 3/4" socket/wrench

TECH NOTES

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

NOTE: Install time: 1.5-2 hours - Additional time may be needed for light installation.

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 OR 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 (or first gear for vehicles equipped with a manual transmission), the tires chocked, and the emergency brake ON. Wear safety glasses from this point forward.
2. Starting from the underside of the rear bumper, remove the trailer plug harness by pressing the push tab on the bottom of the plug and pull out.

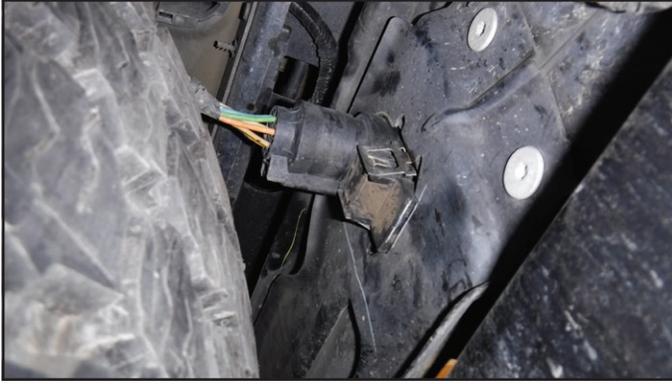


FIG. 1

3. Following the wire harness, find the license plate lamp harness connection, remove the license plate lamp harness connection by pressing the push tab on the connection and pull out. If your vehicle is NOT equipped with parking sensors, please skip this step. Following the wire harness, find the sensor harness connection, remove the sensor harness connection by pressing the push tab on the connection and pull out.



FIG. 2

4. Starting from the Driver underside of the rear bumper, remove the six (6) nuts holding the bumper and the mounting brackets using a 21mm Socket. Repeat this process on the passenger side of the rear bumper.



FIG. 3

5. From the bottom center of the bumper, remove the lower bolts (total of 2) from each side of the hitch using a 15mm socket. At this point, with the help of a friend to prevent any damage to the vehicle, carefully remove the rear bumper from the frame mounting brackets and place on a clean flat surface.



FIG. 4

6. Starting from the Driver frame, install the appropriate frame mount bracket using four (4) factory bumper mount nuts. Thread the nuts in but leave them loose so the bumper position may be adjusted in subsequent steps. Repeat this process on the passenger side of the frame.



FIG. 5

7. Remove and set aside all items that apply to your vehicle that you would like to transfer to the new ICON bumper. Starting with the license plate, use the appropriate tool to loosen the hardware holding plate in place and remove.
 - A. Remove the spare tire access lock, using the vehicle key, insert key, turn and pull to remove.
 - B. To remove the trailer plug, using a flat head screwdriver, press on the metal clips behind the bumper on both sides of the plug to release it.
 - C. Using a pry tool or a panel removal tool, remove all plastic clips that are holding the sensor and/or rear light wire harness in place. At this



point, unplug the license plate lamp from both sides of the bumper as well.

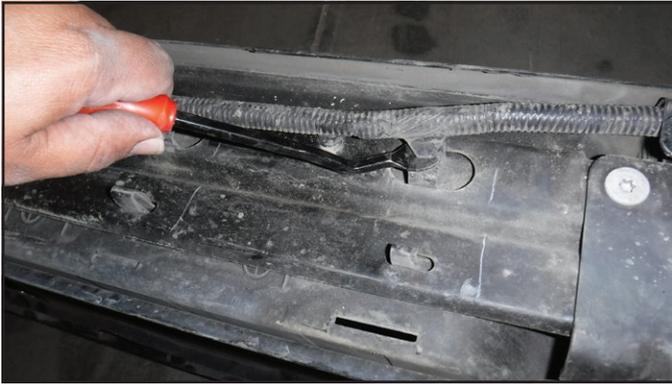


FIG. 6

- 8. If your vehicle is NOT equipped with parking sensors, please skip this step. To remove sensors, gently pull away the bezel tabs that are holding the sensor in place and push from the opposite side to release. Pass through and remove the wire harness from the rear bumper. At this point, remove and transfer the driver side license plate lamp housing to the new bumper by pressing down on the plastic tabs behind the housing and push out, repeat this process on the passenger side license plate lamp housing.



FIG. 7



FIG. 8



FIG. 9

- 9. ICON has provided four (4) Universal Sensor Bumper Mounts to be installed in the circular cutout locations. Install them according to the instructions for part number: 295300, Installing the universal sensor mounts. Once the sensors are in place and the wire harness routed, use the provided sticky back and zip ties to secure the sensor harness and connect the license plate lamps. You can remove the factory clips that hold the harness in place.



FIG. 10

- 10. Use an 1/8" hex key and 3/8" wrench to install the supplied Tow Wire Connector Plate onto the ICON bumper. Orient the plate with the rounded section facing up. Attach using the supplied 10-32 X 1/2 SS Button Head Cap Screws, Flat Washers and Lock Nuts. Insert the spare tire access lock, using the vehicle key, turn and secure lock.



FIG. 11

- 11. If available, install flush-mount LED pod lights (not included or sold by ICON) into the recessed light mounts on either side of the bumper.
- 12. With the help of a friend, lift the bumper into place on the vehicle, with the bumper's mounting surface lining up with the previously-installed Frame Mounts. Secure the bumper using the eight (8) supplied 1/2-13 X 1.000 Hex Head Cap Screws and eight (8) supplied Flat Washers (4 per side). Note that the bolt holes in the Frame Mounts are



slotted to allow for some adjustment in aligning the bumper. Do not fully tighten the Hex Head Cap Screws at this time, as the bumper will be aligned later in the procedure.



FIG. 12



FIG. 13

13. Connect the license plate lamp and sensor connections. Connect the tow wiring receptacle to the wiring harness and push it into its mount, making sure the metal clips snap into place.
14. If LED pod lights were installed into the bumper, complete the associated electrical connections for them.



FIG. 14

15. Center and align the bumper while tightening all fasteners using a 3/4" (OE frame mount nuts use 21mm (ICON Bumper to Mount Bracket bolts) wrench or socket and ratchet. Ensure that the bumper is visually centered as well as level with the vehicle's body.

Congratulations! Your installation is complete.

VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

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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