



2017-UP FSD PRO WINCH FRONT BUMPER

DOCUMENT: INST_66200_REVA • UPDATED: FEB 2022

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:

66200 17-UP FSD PRO WINCH BUMPER**COMPONENTS INCLUDED**

- (1) 17-UP FSD FRONT BUMPER
- (1) 17-UP FSD FRONT BUMPER WINCH TRAY
- (1) 17-UP FSD DRVR SIDE FACIA MOUNT 1
- (1) 17-UP FSD DRVR SIDE FACIA MOUNT 2
- (1) 17-UP FSD PASS SIDE FACIA MOUNT 1
- (1) 17-UP FSD PASS SIDE FACIA MOUNT 2
- (1) 17-UP FSD MESH CENTER
- (1) 17-UP FSD MESH DRIVER SIDE
- (1) 17-UP FSD MESH PASSENGER SIDE
- (2) 17-UP FSD MESH TOP
- (1) WINCH BUMPER LICENSE PLATE BRACKET

HARDWARE INCLUDED

- (8) 1/2-13 NYLOCK NUT GR8 YZINC
- (24) 1/2" SAE FLAT WASHER GR8 YZINC
- (2) 1/2-13 X 1.00 HHCS GR8 YZINC
- (8) 1/2-13 X 1.50 HHCS GR8 YZINC
- (8) 1/2-13 X 2.00 HHCS GR8 YZINC
- (2) 3/8-16 X 1.00 BHCS 18-8 RAW
- (2) 3/8-16 NYLOCK NUT GR8 CZINC
- (28) M6-1.00 X 20MM BHCS SS
- (8) M6-1.00 X 20MM SQUARE NECK CARRIAGE BOLT SS
- (8) M6-1.00 FLANGE NUT SS
- (2) BUMPER LICENSE PLATE RETAINER

TOOLS REQUIRED

- Ratchet/extensions
- Body panel clip removal tool
- 4mm hex key
- 10mm & 15mm socket/wrench
- 7/32" hex key
- 3/4" socket/wrench
- E6 external Torx socket

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: Installation on Superdutys equipped with Adaptive Cruise Control requires relocation of the ACC module with the following product (sold separately):

66202 17-UP FSD ACC RELOCATION KIT**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. Open hood and disconnect the negative battery terminal.
2. Starting from the driver underside of the front bumper, unplug the fog light harness connector



that is located along the inside frame rail.



FIG. 1

- 3. From the wheel well towards the front of the truck, using a 15mm socket remove the two (2) bolts securing the bumper to the side supports. Repeat this on the opposite side of the vehicle.



FIG. 2

- 4. Remove the plastic cover that sits around the two hooks (no tools required) to reveal the four (4) factory bumper mount bolts.



FIG. 3

- 5. 2017-2019 models with the Adaptive Cruise Control (ACC) feature, use a 10mm socket and wrench to remove the two (2) bolts that hold the plastic housing for the ACC unit. Use a 10mm socket to remove the three (3) bolts that are holding the ACC unit in plate and disconnect.

Note: Relocation bracket needed to relocate the ACC module (not included), please use ICON PN 66202 17-UP FSD ACC RELOCATION BKT.



FIG. 4



FIG. 5

- 6. 2020-UP models with the Adaptive Cruise Control (ACC) feature, use a 11mm socket to remove the three (3) hex nuts that hold the ACC unit in place. Use a E6 External Torx socket to remove the three (3) ACC bracket mounting studs and disconnect. **Note:** Relocation bracket needed to relocate the ACC module (not included), please use ICON PN 66202 17-UP FSD ACC RELOCATION BKT.

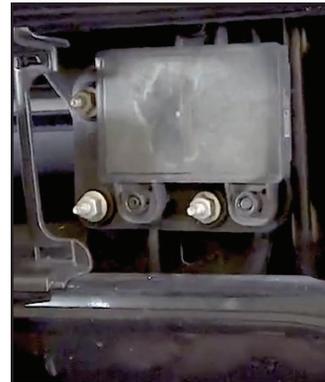


FIG. 6

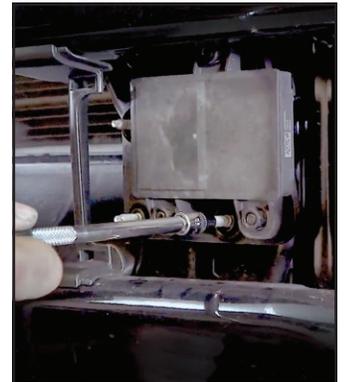


FIG. 7

- 7. Using a 18mm socket, remove the four (4) factory bumper mount bolts holding the bumper in place. At this point, with the help of a friend to prevent any damage to the vehicle, carefully remove the front bumper from the tow hook brackets and place on a clean surface.

Note: Vehicles equipped a with Block Heater, ensure that you remove clip that holds the cord from the backside of the bumper. At this point, if you wish to relocate your ACC unit using the ICON PN 66202 17-UP FSD ACC RELOCATION BKT, please reference the instructions for the unit.



FIG. 8



FIG. 9

- 8. Using a 18mm socket, remove the four (4) tow hook mounting bolts from underneath the frame and remove the tow hooks. Repeat this on the opposite side of the vehicle.



FIG. 10

- 9. Using a 18mm socket, remove the four (4) mounting nuts and two (2) bolt plates holding the lower bracket on each of the frame rails (there is a total of eight (8) nuts). Remove the lower brackets and set aside the mounting nuts and bolt plates for reuse.



FIG. 11

- 10. Place the winch tray on top of the frame mount and center the slots on the tray with the holes on the frame. If needed, use a rubber mallet to

position the tray into place. *Note: ensure that the winch tray clears any coolant lines.*

- 11. From the topside, using a 3/4" socket and wrench secure the winch tray using four (4) supplied 1/2-13 X 2.00 Hex Head Cap Screws, eight (8) supplied Flat Washers and four (4) supplied 1/2-13 Nylock Nuts. Place the factory bolt plates and mounting nuts back on the side the of the frame. Repeat this on the opposite side of the vehicle.



FIG. 12



FIG. 13

- 12. At this point if desired, install the winch on to the ICON bumper winch tray, using the hardware and procedures recommended by the winch manufacturer. Before seating the bumper into place, route the winch power cables to wherever you will be making those connections.

- 13. Place the new Icon bumper onto a flat clean surface, locate the driver side mesh and using a 4mm Hex Key secure the mesh onto the bumper with six (6) supplied M6-1.00 X 20MM Button Head Bolt. Repeat this process for the passenger side using six (6) BHB and the center mesh using eight (8) BHB. Top section is to remain open at this point.



FIG. 14

- 14. 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. Bolt the winch fairlead into place, using the hardware and procedures recommended by the fairlead manufacturer. *Note: License plate relocation bracket is included with the Icon bumper.*

- 15. For vehicles without a winch application, secure the license plate bracket using a 7/32 Hex Key and the two (2) supplied 3/8-16 X 1.00 Button Head Cap Screws and two (2) supplied 3/8-16 Nylock Nuts. (The following portion can be done at the end of the bumper installation) Insert the two (2) Bumper License Plate Retainers into the square holes on the license plate bracket and secure reusing the license plate hardware. Use the two lower holes on the license plate to cover the fairlead opening.
- 16. For vehicles with winch application, secure the license plate bracket by placing it between the winch fairlead and bumper, bolt the fairlead into plate, using the hardware and procedures recommended by the fairlead manufacturer. (The following portion can be done at the end of the bumper installation) Insert the two (2) Bumper License Plate Retainers into the square holes on the license plate bracket and secure reusing the license plate hardware. Use the two lower holes on the license plate to cover the fairlead opening or use the two top holes on the license plate clear the fairlead opening.

Note: If you wish to keep the OEM headlight lamp rubber spacer, jump to the next steps. If you wish to disregard this item, from the topside using four (4) supplied M6-1.00 X 20MM Square Neck Carriage Bolts and four (4) M6-1.00 Flange Nuts from underneath the bumper, to plug the square holes on the top of the bumper. Jump to Step 19 at this point.

- 17. Locate the driver side fascia mount 1 & 2, from the topside using four (4) supplied M6-1.00 X 20MM Square Neck Carriage Bolts and four (4) M6-1.00 Flange Nuts from underneath the bumper, secure both mounts.



FIG. 18



FIG. 19

- 18. Using a pry tool or a panel removal tool, remove all plastic clips that are holding the headlight lamp rubber spacer and place them on the corresponding side of the bumper, lining them up with the holes on the fascia mount brackets.



FIG. 20



FIG. 21

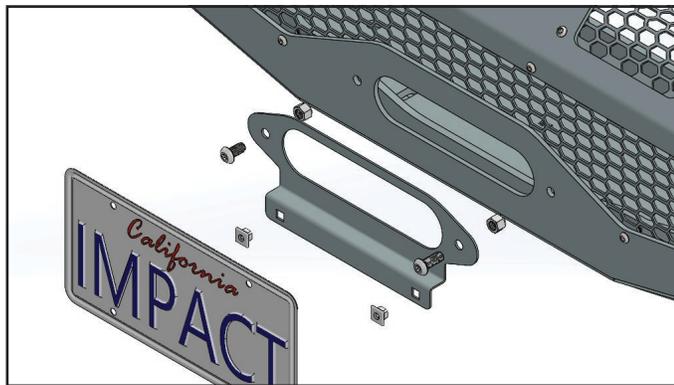


FIG. 15



FIG. 16



FIG. 17

- 19. Using one (1) supplied 1/2-13 X 1.00 Hex Head Cap Screw, thread onto the side of the bumper mount about 1/4 of the way. Repeat this on the opposite side of the bumper. This bolt will be temporarily used to assist in the installation of the bumper.



FIG. 22

20. If available, install LED lights (not included or sold by ICON) into the light mount brackets on either side of the bumper.

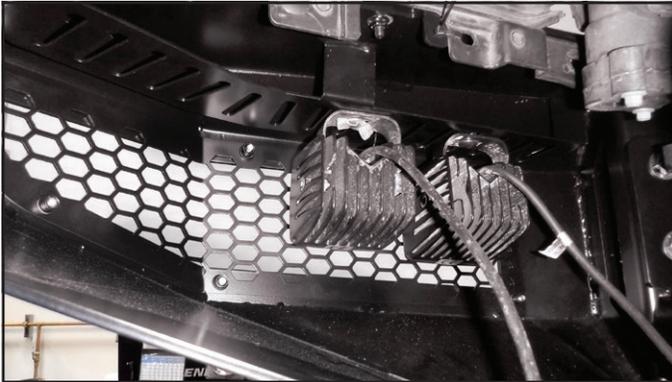


FIG. 23

21. With the help of a friend, lift the bumper into place onto the winch tray, with the temporary screws resting on the notch on each side of the winch tray. Secure the bumper using the eight (8) supplied 1/2-13 X 1.500 Hex Head Cap Screws and eight (8) supplied Flat Washers (4 per side).

Note: that the bolt holes in the winch tray are slotted to allow for some adjustment in aligning the bumper. With the temporary screws in place, the bumper is at the OE factory height. There is enough adjustment to go upward or if you wish to remove the bolt you have adjustment to go downward.

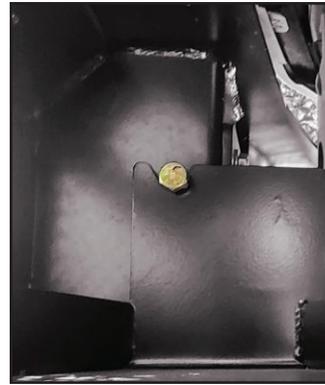


FIG. 24



FIG. 25

22. Remove the temporary screws through the top opening once the fasteners have been secured. If desired, cover the top opening by using a 4mm Hex Key to secure the top opening mesh onto the bumper with eight (8) supplied M6-1.00 X 20MM Button Head Bolt (four (4) per mesh), the mesh can be left off to access winch.

23. If lights were installed into the bumper, complete the associated electrical connections for them.

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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