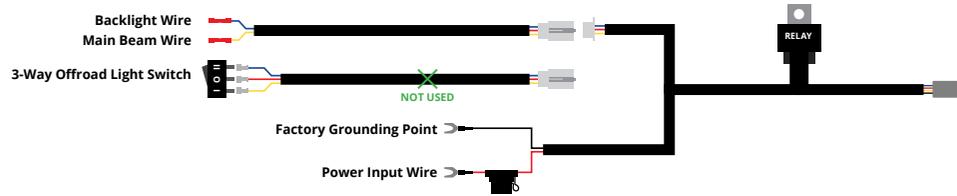


Wiring Instructions

The following instructions are for Ford F-150s with an Auxiliary Switch Bank. If you do not have the Auxiliary Switch Bank, use the included toggle switch adapter wire to route a switch. All power sources must be fused.



15. Locate the auxiliary switch wiring near the battery. Access the owner's manual in the head unit and determine what wire color you will connect to based on the amperage rating. Connect the yellow wire for the main beam to an auxiliary switch wire. Using wire strippers, remove enough insulation to make a good connection. Insert the wire into the butt connector and crimp it to secure the connection.

16. Repeat this process for the blue backlight wire. The wire for the backlight can be connected to any of the other auxiliary switch wiring locations, like the back of the hood, or if you have a Stage Series backlit light already installed, you may choose to tap it into the same switch.

17. Connect positive and negative battery wires to the battery, or to main power terminals near the fuse box.

18. Secure the wires, test thoroughly, and tighten all hardware to complete your installation.

Please contact **Diode Dynamics** should you have any questions about the installation or wiring process, at **314-205-3033** (10a-5p CST) or **contact@diodedynamics.com**.

NEED MORE HELP?

Scan the QR code to link to our YouTube Channel!

We continuously bring in vehicles to our testing garage in order to create step-by-step videos to walk you through the installation process on your specific vehicle. Scan the QR code to see all our installation videos. Be sure to subscribe to our channel to stay up-to-date on the newest products and videos from Diode Dynamics!

YouTube



This installation guide is for the following SKUs:

- Ford F150 2021 SS5 CrossLink Grille Lightbar Kit, White Combo (DD7317 Sport, DD7321 Pro)
- Ford F150 2021 SS5 CrossLink Grille Lightbar Kit, Yellow Combo (DD7318 Sport, DD7322 Pro)
- Ford F150 2021 SS5 CrossLink Grille Lightbar Kit, White Driving (DD7319 Sport, DD7323 Pro)
- Ford F150 2021 SS5 CrossLink Grille Lightbar Kit, Yellow Driving (DD7320 Sport, DD7324 Pro)
- Ford F150 2021 SS5 Bumper LED Pod Kit, White Combo (DD7326 Sport, DD7330 Pro)
- Ford F150 2021 SS5 Bumper LED Pod Kit, Yellow Combo (DD7327 Sport, DD7331 Pro)
- Ford F150 2021 SS5 Bumper LED Pod Kit, White Driving (DD7328 Sport, DD7332 Pro)
- Ford F150 2021 SS5 Bumper LED Pod Kit, Yellow Driving (DD7329 Sport, DD7333 Pro)

STAGE SERIES
RALLY-QUALIFIED LED LIGHTING

SS5 CrossLink Bumper/Grille Kit

Ford F-150



Thank you for your purchase of our new SS5 CrossLink Bumper/Grille Kit. CAD-designed to use existing mounting points, this kit is compatible with the 2021+ Ford F-150. Installation instructions are included inside.

COMPUTER DESIGNED
OEM FITMENT



Please contact us if you have any questions.

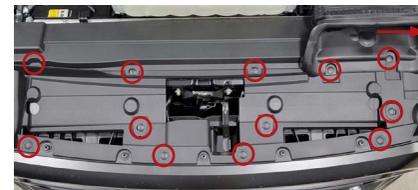
Tools Needed: Trim removal tool, ratchet, 7mm socket, 8mm socket, 10mm socket, 13mm socket, 5mm Allen wrench



1. Using a 7mm socket, remove the the screws securing the fender liner to the upper bumper valance and pull the sides of the valance loose from the fender well and the fender.

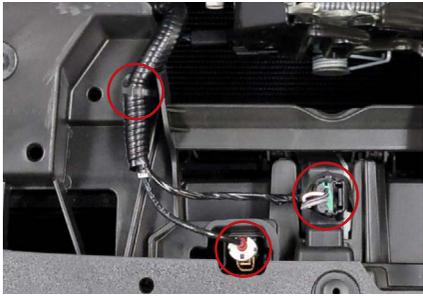


2. Repeat step one on the opposite side of the vehicle and pull the valance off entirely, starting from the outside and pulling the tabs loose working your way to the middle.



3. Remove the trim panel on the radiator core support by pulling out the 13 tree clips securing it.

See inside for further instructions.



4. Disconnect the harnesses near the hood latch and remove the clip securing the harness to the grille.



5. With the trim panel off, remove the four 10mm screws securing the grille to the top of the core support and the two 8mm screws on the bottom of the grille, next to the headlamp screws.



6. Remove the grille by pulling firmly away from the radiator.



7. Remove the two 13mm bolts behind the bumper and install your new grille brackets using those mounting holes.

NOTE: The outer bolt (silver, attached to strut) must remain in the same location to ensure proper thread engagement. If the two bolts get interchanged, the bolt with the black head will not be able to engage correctly in the mounting location for the strut, because it is shorter.



8. Route the included wiring harness through the opening in the rubber seal, next to the bracket. The connector will not fit through the opening with the plastic valance installed.

9. After installing the brackets and routing your wires, reinstall the grille and plastic valance, reversing steps 1 through 6.



10. If installing two pods, use the included universal mounting brackets and hardware to install directly onto the base brackets.

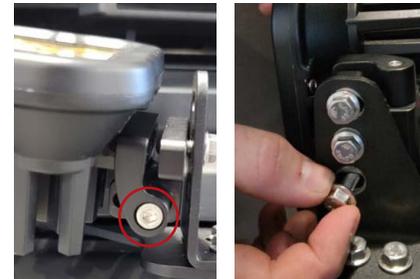


11. If installing the 5-pod CrossLink lightbar, install the SS5 low mount brackets onto the grille brackets. Secure the low mount brackets using the provided M6 hardware.



12. Assemble your SS5 lightbar using the included CrossLink lightbar instructions.

NOTE: In order to achieve the correct curve, the CrossLink lightbar should be secured to the bottom of the second notch on the link.



13. Mount the assembled SS5 lightbar onto the low mount brackets using one 10mm bolt on each side. Rotate the lightbar upward, exposing the end bolt in the pivot mount. Tighten the pivot mount bolt with a 5mm Allen wrench and rotate the lightbar back down to install the other two 10mm bolts.



14. With all three 10mm bolts tightened down, adjust the gap on the opposite side pivot mount and secure the mount using the 5mm Allen wrench.

See back for wiring instructions.