

# DIODE DYNAMICS

PERFORMANCE LIGHTING TECHNOLOGY

## 2019+ Ford Ranger SS18 LED Lightbar Kit Installation Guide



Thank you for your purchase of this custom-designed Stage Series LED Light Bar Kit for your 2019+ Ford Ranger! This kit utilizes both factory and included hardware to mount the bracket to the vehicle.

**Tools Needed:** Flat-head screwdriver or trim removal tool, 21mm sockets



1. If applicable, remove the license plate holder. To do so, remove the two 10mm screws along the bottom of the holder. Then using a trim removal tool or flat-head screwdriver, pry up on the two mounting clips located on the top of the holder to remove it from the vehicle. Set it aside.

2. Using a trim removal tool or flat-head screwdriver, remove the five plastic push-rivets from along the top of the lower grille opening.

3. Remove the five 10mm bolts along the bottom of your bumper shown in the picture to the left.

4. Firmly pull out on the lower grille to loosen the clips shown to the left. Disconnect the connectors for the integrated sensors to remove the lower grille completely.

*See back for further instructions.*



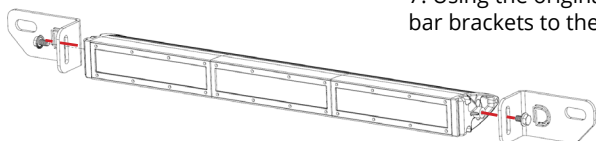


5. Route your wiring harness. We recommend routing the harness across the front of the engine bay and down the front passenger side corner to the lower grille area. This will require the core-support trim panel to be removed. It is held in place with four plastic push-rivets and two screws on the intake.

**NOTE:** We recommend routing the harness before installing the light bar, as it will be difficult to access the harness once the light bar is installed.



6. Remove the two 21mm frame nuts shown in the picture to the left on each side of the vehicle.



7. Using the original 21mm nuts, install your new light bar brackets to the studs, hand-tightening them only.

**NOTE:** Ensure the brackets are oriented as shown to the left.

8. Connect your new 18" light bar to the wiring harness. Using the included hardware, install the light bar onto the brackets. Using the adjustment slots, adjust the lightbar so that it is centered in the lower grille opening. Once adjusted, tighten the 21mm nuts.



9. Reinstall the lower grille and license plate holder (if applicable) using the original hardware. Ensure the mounting clips shown in the image to the left are properly bent such that they will not push through the sheet metal backing, that the mounting clip ribs are pointing rearward such that the plastic panel can be inserted with minimal interference.

10. Aim your light bar and adjust the final height to complete the installation.

**This installation guide is for the following SKUs:**

**DD6596** Ranger 2019 SS18 Bracket Kit  
**DD6597** Ranger 2019 SS18 LED Kit White Combo

**DD6598** Ranger 2019 SS18 LED Kit Amber Combo

