



Ford Ranger 2016-2022

Predator Grille & IPF LED Driving Lights Integration Kit





Bracket For 2016-2019 All Models & 2019 3.2 Engines Only



Bracket For 2019-2022 2.0 EcoBlue Engine Only

Fitting Kit Contains

- 1x Predator Grille
- 1x Pair Of IPF LED Driving Lamps
- 2x Brackets
- 2x M6 x 130mm Bolts
- 2x M6 x 25mm Bolts
- 2x M6 Nyloc Nuts
- 6x M6 Washers
- 2x M6 Spring Washers

Installation Instruction

Note: Vehicles using the 2.0 EcoBlue Engine (2019 onwards models) follow the same process but use a different bracket set compared to other models due to the location of the intercooler. Specific notes will be added throughout the instruction set where changes for this specific model apply.

Take out the five retaining clips and remove the plastic radiator cover from the top of the front grille.



Using a 10mm socket remove the two bolts at the top of the front grille and using a socket extension bar remove the bottom bolt holding the grille into place.



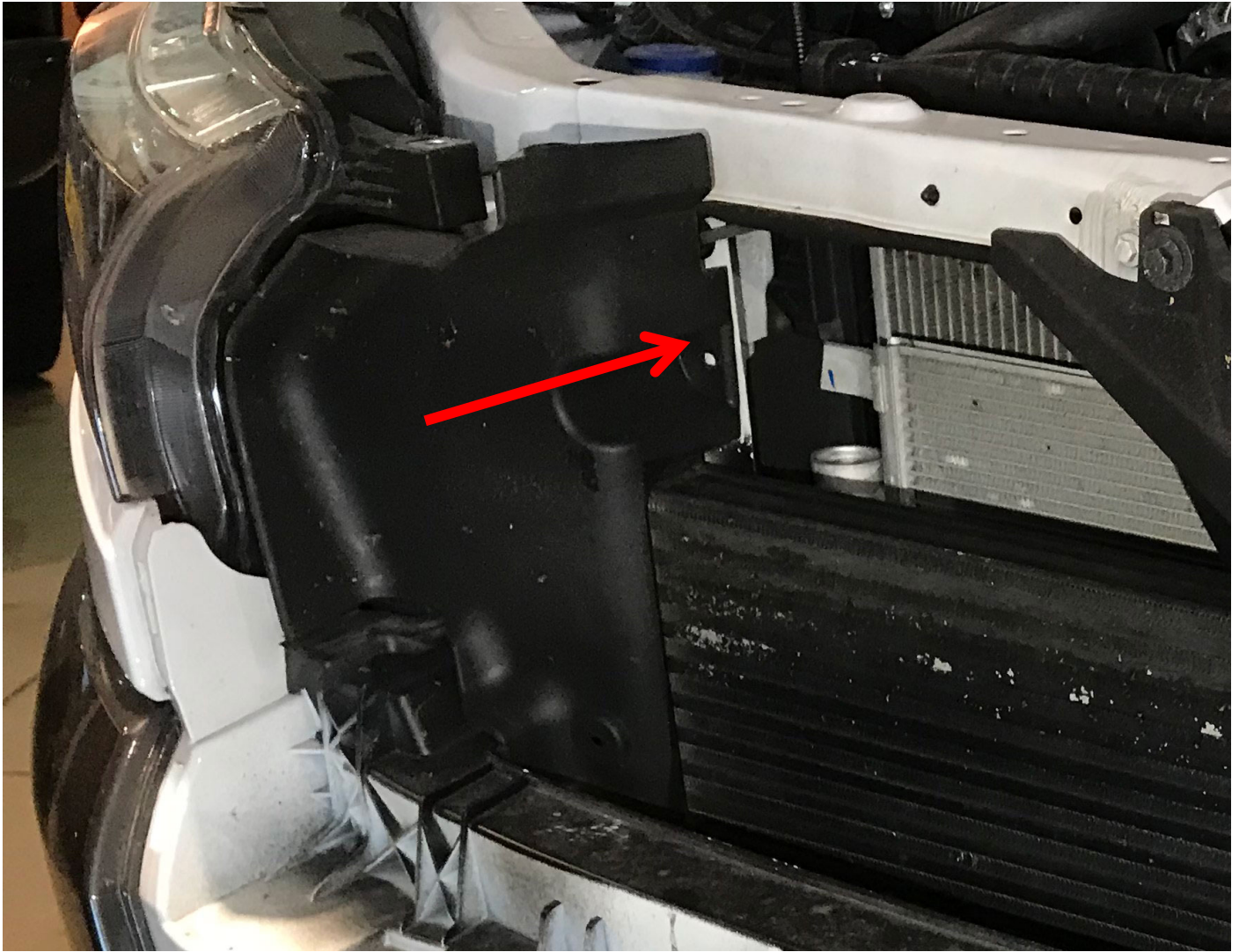
Remove the front grille from the vehicle by pulling firmly away from the vehicle.



Locate the metal cross beam behind the front bumper. Please note that the removal of the front bumper in the next image is for visual purposes only to identify the location to where the brackets mount onto the cross beam.



Offer up the drivers side bracket and using one of the M6x25 bolts and one of the M6 washers secure the bracket into the threaded hole on the cross beam of the vehicle as directed by the arrows in the image above. The bracket should then then align with this hole towards the rear of the intercooler shown below.



Take the M6x130 bolt with an M6 spring washer and a M6 washer and thread this through the bracket and through the hole highlighted in the previous step. Secure on the back side of the hole with a M6 washer and M6 locking nut. Take one of the driving lamps, remove the nut and washer at the bottom of the lamp and then mount onto the bracket and secure using the just removed nut and washer.



Repeat for the opposite side of the vehicle. At this point take the IPF wiring loom and connect the drivers side lamp unit into the loom, take the remainder of the loom to the battery area and secure wiring to the vehicle from the drivers side lamp (it is easier to locate and secure the wiring now rather than when the grille is installed).

Once both brackets, both lights and some of the wiring loom has been secured to the vehicle take the new Predator Grille and use this as a direct replacement for the original grille taken from the vehicle during the first steps of this instruction. Install the grille making sure all bolts, radiator cover and clips are reinserted as per an original specification Ford grille.



Wiring Instruction

Wiring Loom Wire Colour Guide

Red Wire - 12v+

Black Wire - Negative

Blue Wire On Rocker Switch - Signal Wire

Rocker Switch Operation

To operate the IPF Driving Lamps using a rocker switch located in the vehicle cab is a very simple process. The only connections need are to the positive and negative terminals on the battery. From here find a suitable location to mount the relay and somewhere to mount the rocker switch in the cab area. The lights will then illuminate regardless of if the vehicle is running or not when the rocker switch is activated.

Main Headlight Signal Operation

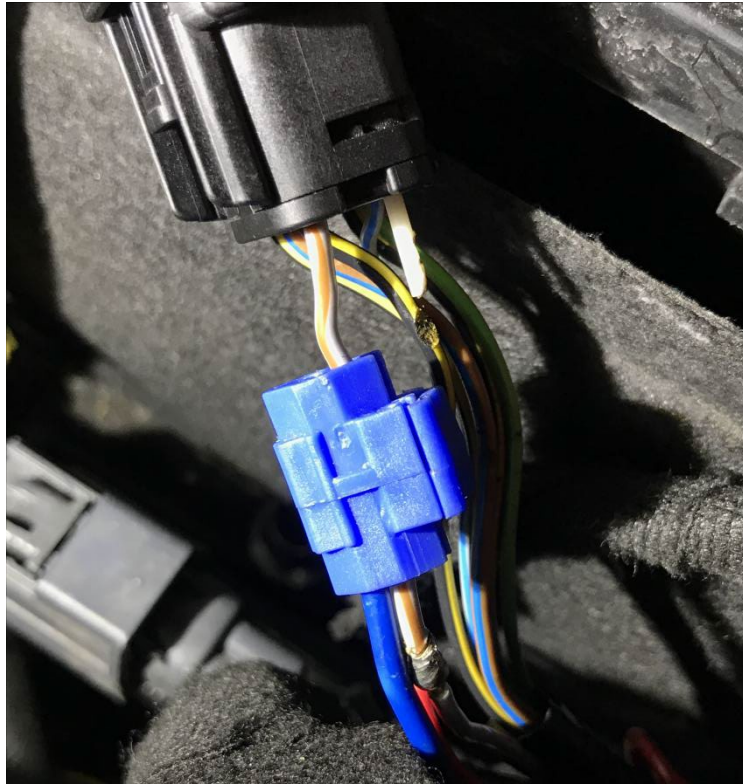
To operate the IPF Driving Lamps when the main headlight is activated requires connection into the vehicle loom. In front of the battery and behind the nearside headlamp is a silver driver unit. Using an 8mm socket/spanner remove the two bolts holding the driver in place and move out of the way to allow easier access.



On the back of the headlight you will now be able to access a plug as shown in the image below.



Remove the plug and locate the white wire with the brown trace in position number 4 in the back of the plug. Take the blue wire from the IPF Driving Lamps wiring loom rocker switch and cut off the female spade connector. Secure the white/brown wire on the vehicle and the blue wire from the IPF Driving Lamps loom using a scotch lock connector.



Ensure all connections are insulated before replacing the plug into the back of the headlamp. Connect the red wire of the IPF Driving Lamps loom to the positive of the battery and the black wire to the negative of the battery.



Important - Please make sure the rocker switch is left in the on position.

Secure all loose wiring and the relay as shown in the image below. The driver unit can now be replaced also at this point.



Finally test the function of the IPF Driving Lamps by triggering the main headlight beam on the vehicle.

