



baja designs[®]
The Scientists of Lighting

OnX6, LED Light Bar Raptor Kit (40")



PN: 45-7513

Installation Manual

Baja Designs • 185 Bosstick Blvd. • San Marcos • CA • 92069

Phone 760.560.2252 • Fax 760.560.0383 • info@bajadesigns.com

www.bajadesigns.com



baja designs[®]
The Scientists of Lighting

LIMITED LIFETIME WARRANTY

Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all of the products that we manufacture.

These are comprehensive warranties; other than the exclusions below – you're covered. If your LED or HID bulb burns out, you're covered. Additionally, cutting off our connector or changing your lenses does not automatically void your warranty.

Exclusions:

Installation errors, abuse, misuse or crash damage. You must be the original owner of the product and be able to supply proof of purchase.

Li-Ion or Li-Po Batteries: carry a 2 year warranty.

NiCad DSK Batteries: carry a 90 day warranty

Dual Sport Kit Switches: carry a 1 year warranty.

Baja Designs manufactures its own products as well as resells products manufactured by others. Baja Designs makes no express or implied warranties on products not manufactured by Baja Designs including without limitation any warranties or merchantability and fitness for a particular purpose. We will however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties.

Baja Designs will pay the freight if your product is less than 90 days old, otherwise defective products must be returned to Baja Designs, Inc., freight prepaid. At our option, we will repair or replace items in question and return them at no charge. If the identical product is no longer available we will replace with a similar product of equal value. Baja Designs Inc. will not be responsible for any indirect or consequential damages in connection with defective merchandise.

Indemnification:

Buyer hereby acknowledges off roading, racing and driving at night are dangerous activities and that the products and/or supplies purchased from Baja Designs are used in an inherently dangerous activity that may endanger life and limb; and in no event shall the seller, or seller's heirs and assigns, be held liable for consequential damages, nor shall seller's liability on any claim for damages arising out of or connected with the sale, delivery, or use of purchased products and/or supplies exceed the purchase price of the products and/or supplies.



baja designs
The Scientists of Lighting

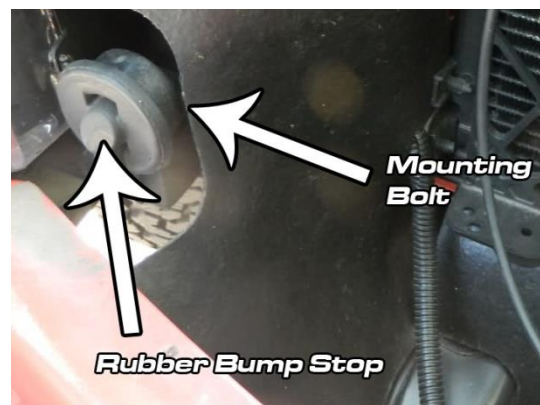
Customer satisfaction stands at the core of who Baja Designs is as a company. BD gives you a full 30 days to test out your new light and if you are not 100% satisfied with your purchase, you can send it back for an exchange or refund of the purchase price and applicable tax.

Exclusions:

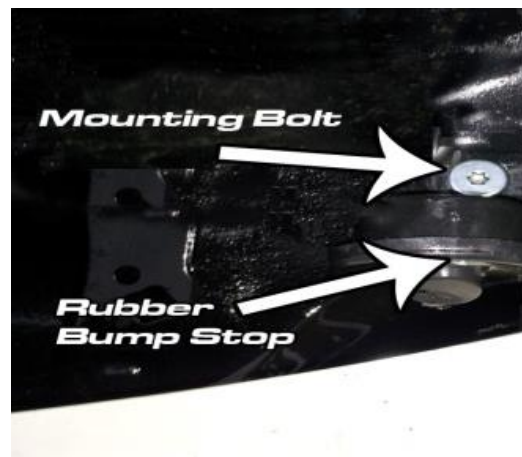
Items purchased through a Baja Designs authorized dealer must be returned through the dealer. Only available on LED auxiliary lights and product must be in sellable condition at MSRP. Product that has been damaged in any way after the original purchase date will be excluded from this guarantee.

Thank you for purchasing the Baja Designs Ford Raptor OnX Kit. Make sure you read the instructions below to ensure the installation has been performed correctly.

Step 1: Open the hood on your Ford Raptor and locate the rubber grill bump stops in front of the radiator.



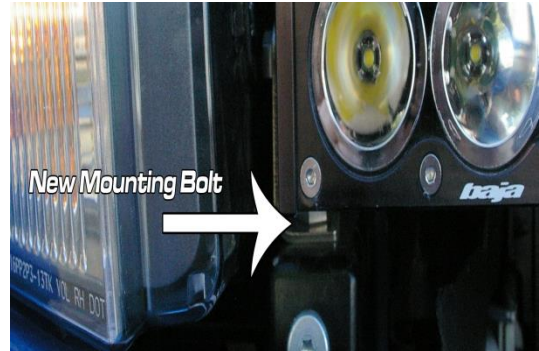
Step 2: Next you will want to remove the bump stop mounting bolts and plastic clips holding the star bolt in place.





baja designs
The Scientists of Lighting

Step 3: You will need to drill the bump stop holes that were used to mount the bump stops in place with a 7/16 drill bit. Once the bump stop holes have been drilled you can install the OnX and move onto the wiring portion of this installation.



Wiring:

We have provided a wire harness that can be used in conjunction with your factory auxiliary switches. There are four switches, 2 that are rated at 30amps, 1 rated at 15 amps, and 1 rated at 10 amps. These are fused and relayed from the factory. Do not use the 10 amp switch for this installation.

The circuits for each of the 4 factory switches, referred to as "upfitter" switches in your manual, are "open" as your Raptor is shipped from the factory. There are 4 wires that run from the switches to behind the glove box and end there. You can remove the end of the dash along with the glove box to access these wires.



View of side panel removed to allow removal of glove box.



View looking through glove box opening



baja designs
The Scientists of Lighting

The other 4 wires behind the glove box are the “pass through” harness that Ford installed from the factory to pass through the firewall and end above the passenger side wheel well in the engine bay.

You can refer to the chart on the last page of these instructions to identify which switch corresponds with which wire. **Do not use upfitter switch # 4, the brown wire, or the purple wire as they are only rated at 10 amps.**

You'll need to connect the wires that run from the Upfitter switches to the area behind the glove box to the pass through wires that run from this same location through the firewall terminating above the wheel well close to the hood strut.

Plug the harness into the light and route the harness across the bottom of the air duct and up the side of the radiator to pass through where the factory horn harness does. Continue along the side of the battery up to where the factory pass through harness ends. You can use one of the body bolts next to this location for the ground.

The white wire in the Baja Designs harness is the positive lead. The black wire with the ring terminal is the ground and the green wire is the “mode” wire. Connect the white wire from the Baja Designs harness to whichever wire you have chosen for your switched hot. We have provided heat shrink in the case you decide to solder this connection.

If you do not want to use the “mode” option of your Stealth LED then you don't need to do anything with the green wire other than tape the end so that it cannot come in contact with chassis ground. If you choose to use the mode function then you will need to mount a momentary push button switch somewhere in the cab. You will need to run a wire from the green Baja Designs wire to one side of the momentary switch inside the cab. If you have not used the purple pass through wire for any other accessories then you could use this to connect the green to your momentary switch. Run another wire from the other side of the momentary switch to a chassis ground. You can choose a ground location under the dash for this.

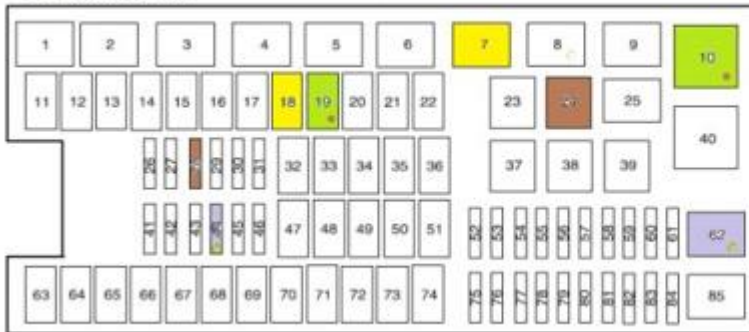




baja designs
The Scientists of Lighting



Fuse/Relay panel



Upfitter "Aux" Switches



Upfitter Switch	Amps	Wire Color – Glove Box	Wire Color – Under Hood
1	30	Yellow	Red
2	30	Green – Brown Stripe	Green
3	15	Purple – Green Strip	Blue
4	10	Brown – Thin Wire	Purple