



bajadesigns®
THE SCIENTISTS OF LIGHTING

**(23-on) Ford Super Duty S2 Sport Reverse Kit
(44-8209, 44-8209-UP, 44-8231)**



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LIMITED LIFETIME WARRANTY

Baja Designs proudly offers a LIFETIME WARRANTY against manufacturer's defect on all 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 can supply proof of purchase.

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 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 it 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.

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.

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.

Buyer is responsible for ensuring that it uses the products (and its vehicle) in accordance with all applicable laws, regulations, guidelines, and standards of care. Buyer acknowledges that some products may only be used when off-roading, and Buyer will comply with all vehicle and road safety guidelines. Buyer is solely responsible for (and will indemnify and hold Bestop harmless for) any claims, losses, damages, fines, fees, costs, or other amounts arising out of Buyer's non-compliance with these provisions.

****For a color copy of instructions, visit your vehicle specific application on BajaDesigns.com ****

Required Tool(s):

- T20, T30 Torx
- 4mm Allen wrench
- 7mm, 10mm, 13mm socket
- 13mm wrench
- Needle nose pliers
- Step drill bit
- Pick

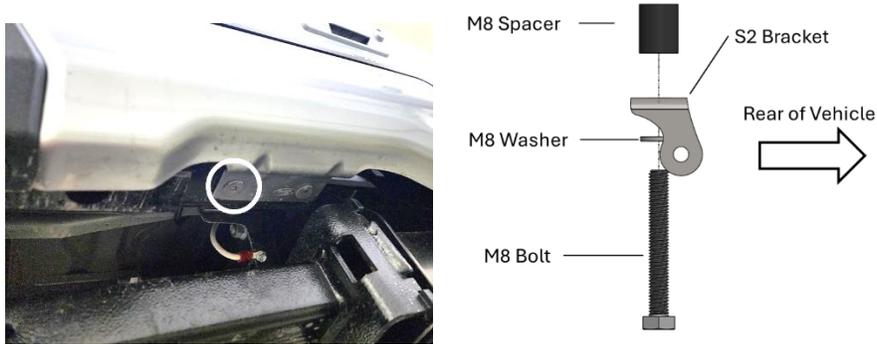
Parts List:

 <p>(54-9005) (Qty: 2) S2 Sport, Wide Cornering LED</p>	 <p>(65-0215) (Qty: 2) Squadron/S2 Parts Bag</p>	 <p>(20-1328) (Qty: 2) M8x1.25x60 Stainless Hex Bolt</p>	 <p>(20-1022) (Qty: 2) M8 Flat Washer</p>
 <p>(20-8151) (Qty: 2) M8x13x19 Black Aluminum Spacer</p>	 <p>(20-1612) 8" Zip-tie</p>	 <p>(61-3606) (Qty: 1) 2-pin Weather Pack 55" Splitter</p>	 <p>(64-0165) (Qty: 2) 2-pin Weather Pack 10' Extension <i>*44-8209 & 44-8209-UP only*</i></p>
 <p>(64-0139) (Qty: 1) 2-pin Weather Pack On/Off Harness <i>*44-8209 only*</i></p>	 <p>(64-0093) (Qty: 1) 2-pin Weather Pack Upfitter Harness <i>*44-8209-UP only*</i></p>	 <p>(60-0068) (Qty: 1) 2-pin Hitch Mount Light Harness <i>*44-8231 only*</i></p>	

To begin, make sure the vehicle is in park, on level ground and the parking brake is engaged.

Step 1:

With a T30 Torx, remove the bolt securing the bumper (circled). Open the S2 parts bag and assemble the bracket as shown. Tighten down the M8 bolt just till the bracket is barely able to be rotated.



Step 2:

Use a 4mm Allen wrench and the hardware provided in the hardware bag to secure the S2 to the bracket. Finish tightening the M8 bolt using a 13mm wrench. Repeat steps one and two on the opposite side.



Step 3:

Connect the two lights together using the 55" splitter harness.



Plug and Play only

PNP1:

Disconnect the 7-pin trailer plug from the back of the bumper. Using needle nose pliers, remove the blue plastic piece within the connector on the harness. Plug the provided hitch mount harness into the vehicle harness and connect it to the plug on the back of the bumper.



PNP2:

Connect the lead from the hitch mount harness into the 55" splitter. Secure any excess wire length with the zip ties provided. The install is now complete.



Step 4:

Connect the two 10' extensions and plug them into the 55" splitter. Run the wiring along the PS frame rail following the OEM wiring wherever possible. Ensure the wires are not close to the exhaust or interfering with any suspension components. Route the wires up through the engine bay to the PS battery (boxed).



Step 5:

With a 10mm socket, disconnect the negative battery cable from both batteries (boxed) (some vehicles may have only one battery). Ensure the cables are secured in such a way that they can not touch the negative terminal.



Upfitter only

Locate and detach the upfitter fuse box located near the PS fuse box (boxed) by pressing in the two locking tabs to access the bundle of wires underneath it. Take the included upfitter wiring harness and attach the white wire scotchlok to the desired auxiliary wire using a set of pliers. Reinstall the fuse box. Attach the upfitter harness to the 10' extension.



Aux Switch	Wire Color	Amp Rating
Aux 1	Bn/Gn	25
Aux 2	Vt/Og	25
Aux 3	Bu/Gn	25
Aux 4	Gy/Bn	25
Aux 5	Bn/Ye	40
Aux 6	Gy/Og	40

Carefully cut back the sheathing around the wiring till the black wire can reach the negative battery terminal without straining. Attach the black wire to the negative battery cable and reattach the cable to the battery. Place any excess wire into a service loop and secure it out of the way. The install is now complete.

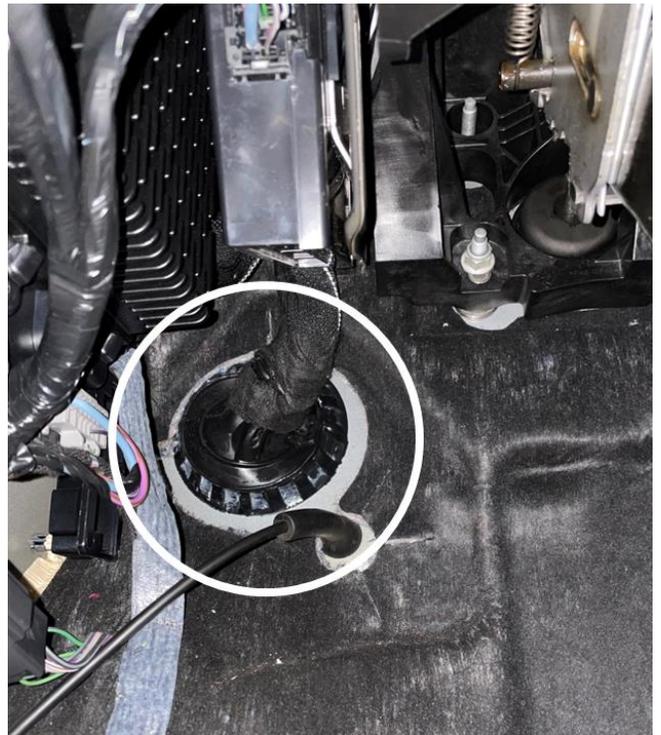


Toggle Switch Only

Connect the provided On/Off harness to the 10' extensions. Run the switch lead across the firewall and down to the passthrough grommet near the DS footwell.



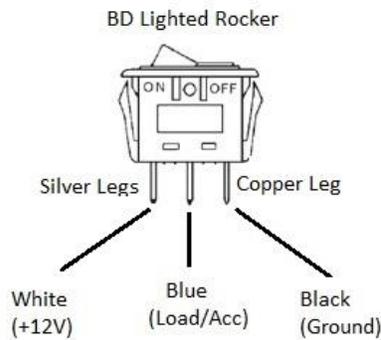
Locate the white connector that attaches the switch to the main harness and disconnect it. Take a reference photo of the wire's location on the switch side of the connector and with a pick, remove the wire terminals from the connector. Run the wires switch lead, terminals first, through the wire passthrough (circled) starting inside the cab. Reinstall the terminals into the connector and reattach it to the main harness.



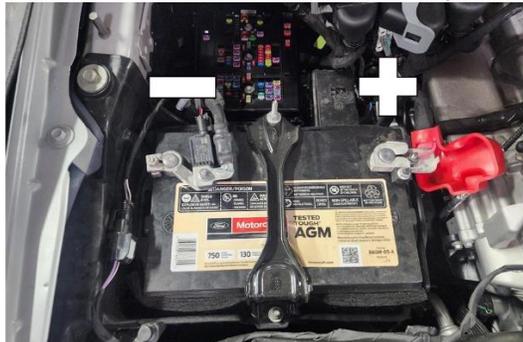
Locate the panel on the side of the dash and remove the door seal around it. Gently pull outwards on the panel to remove it. Remove the bezel around the vent by pulling directly backwards. With a T20 Torx (boxed) and 7mm socket (triangle), remove the 3 screws securing the trim panel surrounding the headlight controls. Gently pull the panel backwards to allow access behind it.



Take a reference photo of the switch's wiring output. Disconnect the spade connectors and run the wires through the newly created switch hole. Reconnect the wires and press the switch into place.



Using a 10mm socket, attach the red wire to the positive battery cable and the black to the negative battery cable. Secure any excess wire in a service loop and secure out of the way. Reconnect the negative battery cables and the install is now complete.



*Tie all wires away from sharp, hot, and/or rotating components.

* Re-torque all the fasteners after 100 miles.

*Your install is now complete! Thank you for choosing Baja Designs.