# Baja Designs 448044 Installation Instructions

LP9 Pro Bumper Light Kit for Ram 1500

Part number: 448044

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Scan for fitment, price and install help

# 44-8044 Dodge, Ram TRX (21-On), LP9 Bumper Kit




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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.
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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.
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**



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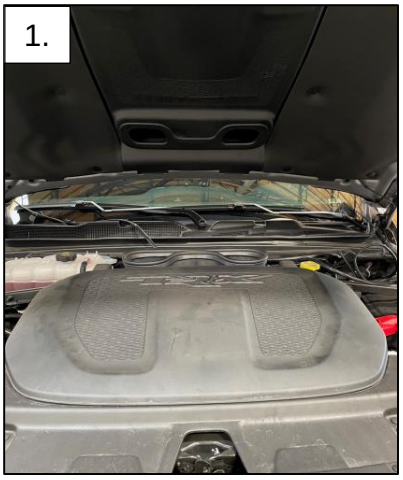
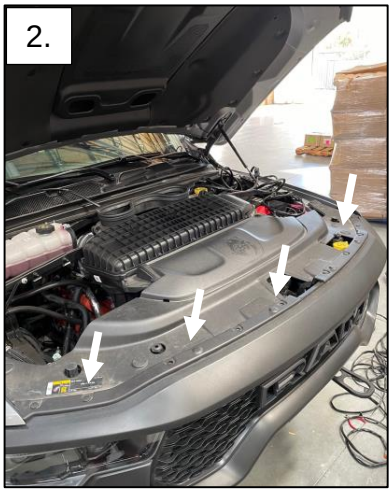
## Tools Required

*10mm, 7/16”, 9/16” wrench
*8mm, 10mm 7/16”, 9/16”, 16mm, 18mm, T-40 Torx Bit Socket
*Flat Head or Trim Removal Tool

1. Remove the engine cover by pulling up in the front. Once the front clips are released, pull on the cover to the front of the vehicle.

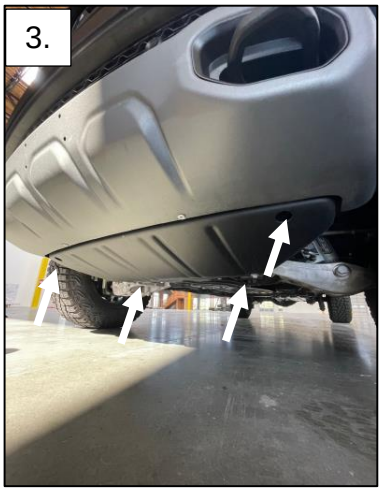
2. Remove the 16x plastic clips securing the plastic radiator shroud.

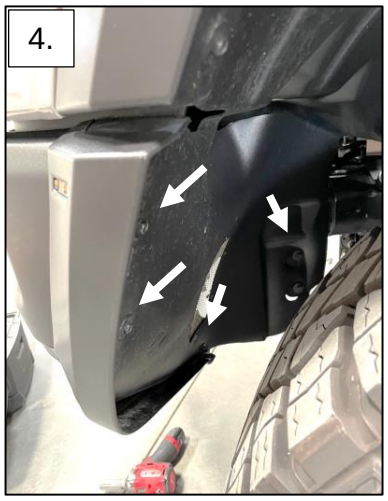



3. Using a 16mm socket, remove the 6x bolts securing the skid plate.

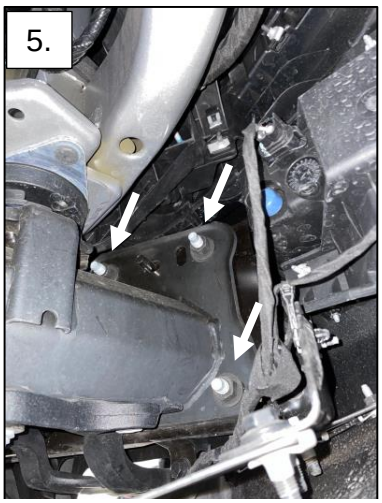
4. Using an 8mm socket, remove the 5x bolts securing the inner fender liner. Remove the opposite side once competed.




5. Using an 18mm socket, remove the 6x (3x on each side) bolts securing the bumper.

6. Disconnect the main bumper harness located on the driver side frame rail.

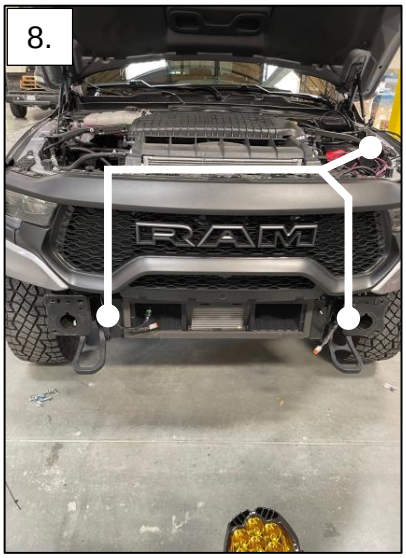





7. Unclip the plastic shroud at the top of the bumper and set aside. Using a T-40 Torx bit, remove the 4x bumper bolts located at the top of the bumper. Attach the left hand and right-hand main brackets.

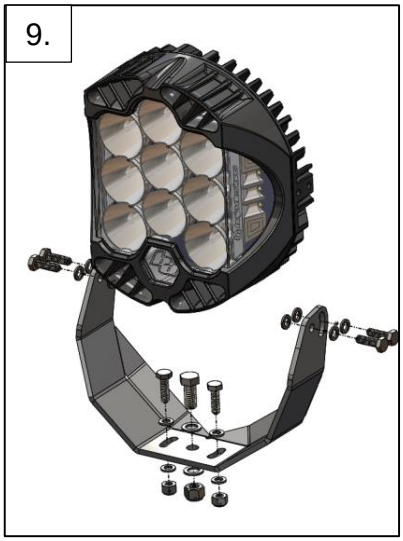
8. Begin to route the wire harness to the lights. It is easier to complete this with the bumper off. Leave roughly 6” of wiring hanging out from behind the grille. Once the harness is routed, re-attach the bumper.




9. Using a 7/16” socket, attach the bracket to the light.

10. Place a piece of the supplied EPDM rubber to the bottom of the support bracket.

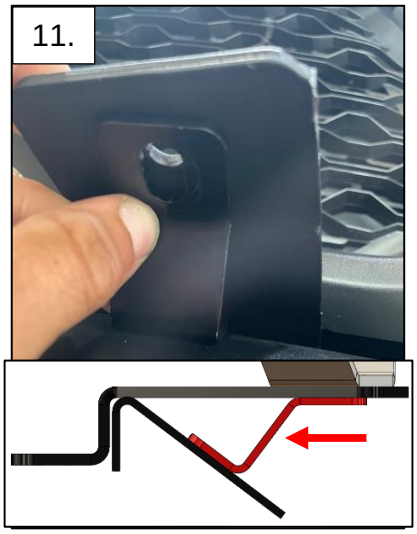


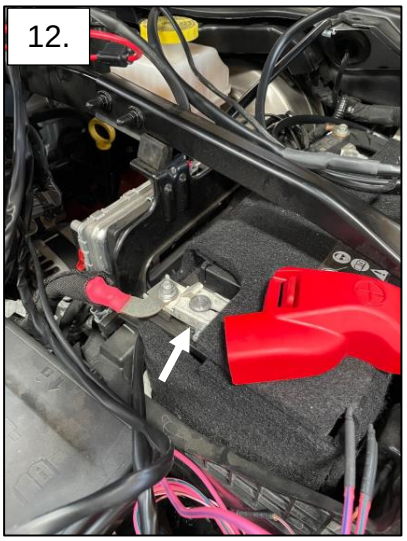




11. Place the support bracket to the bottom of the main bracket on the bumper. Using the longer supplied hardware, place the light on the main bracket. Lightly torque down the light, main bracket, and support bracket all in one. Once all the brackets are together, push on the support bracket to help pre-load the main bracket and torque down.

12. Route the ring terminals on the wiring harness to the battery. Using a 10mm socket, attach the ring terminal on the red wire to the positive terminal on the battery.



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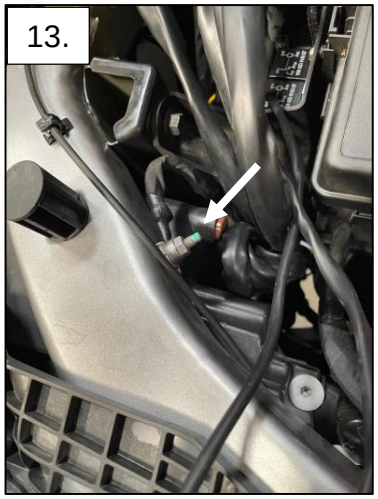
13. Next to the fuse block is a chassis ground. Using a 10mm socket, remove the nut & place the 3/8” ring terminal on the black wire to the chassis ground.

14. Locate the Auxiliary wires located next to the fuse block. Pull them out and separate the wires. Route the splice connectors on the wiring harness to these auxiliary wires.



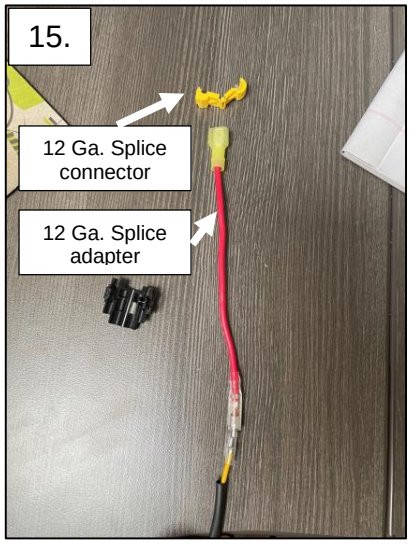


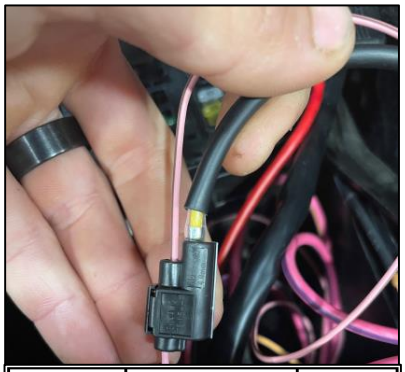


15. There will be 3 wires with splice connectors. They will be wired as follows…

White (High Beam)
Red (Low Beam)
Yellow (Backlighting)

Remove the splice connector on the white wire, add the 12 Ga splice connector adapter. Splice the white wire to Aux 1-4, splice the red wire to aux 5 and the back lighting to aux 6. It is not mandatory to use low beam, if you want to skip this feature than you will not need to use the 12 Ga. Wire adapter.



| *Aux Switch* | *Color* | *Rating* |
|---|---|---|
| Aux 1 | Pink/Dark Blue | 50Amp |
| Aux 2 | Pink/Dark Green | 20Amp |
| Aux 3 | Pink/Violet | 20Amp |
| Aux 4 | Pink/Beige | 50Amp |
| Aux 5 | Pink/Brown | 20Amp |
| Aux 6 | Pink/Yellow | 20Amp |

16. Using the supplied ¼-20 hardware, mount the replays to the side of the fuse block plastics.

*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.



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