



baja designs[®]
The Scientists of Lighting

2013-2017 BMW 1200GS Installation Instructions

49-7043 Pro Kit
55-7043 Sportsmen Kit

185 Bosstick Boulevard • 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 LIMITED 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.

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.

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.



baja designs
The Scientists of Lighting

- 1.) Remove the two torx head bolts attaching the headlight and plastic from left and right sides.

Note: Do this one side at a time so the headlight doesn't fall.



Figure 1

- 2.) Insert bolts, washers and spacers onto the brackets as shown in *Figures 2 & 3* and attach them to the motorcycle. Leave the lower bracket's bolt just slightly loose to be fully tightened after the light is installed. This is done to line up the brackets' 3/8" holes more easily when installing light.

Note: *Figure 2* is the upper bracket and gets the long spacer. You will use the medium length spacer and reuse the factory headlight washer on the lower bracket as shown in *Figure 3*.



Figure 2



Figure 3



baja designs.
The Scientists of Lighting

Wiring

- 3.) Locate the battery cover and remove the single bolt shown in *Figure 4*.



Figure 4

- 4.) Route the supplied harness containing a fuse as well as the included Negative Relay Extension alongside the factory harness to the battery.



Figure 5

- 5.) With the white connector portion of the supplied fuse harness disconnected, attach the fuse harness' leads corresponding colors to the red and black wires and retighten nuts *Figure 6*.

Note: The Negative Relay Extension included in the kit will also bolt to the negative battery terminal with the other end plugging into the relay's black wire with a male connector on it.



baja designs.
The Scientists of Lighting



Figure 6

6.) Remove upper bolt from handlebar clamp *Figure 7.*



Figure 7

7.) Insert supplied low profile spacer and bolt into supplied switch harness as shown in *Figure 8*.



Figure 8

8.) Attach the switch, bolt and spacer to handlebar clamp as shown in *Figure 9*.



Figure 9



baja designs.
The Scientists of Lighting

- 9.) Attach the brackets included with the lights to the light housings in the orientation of your preference then attach the lights and brackets to the previously mounted motorcycle brackets.

Note: The two light bracket orientations will either bring the face of the Baja Designs lights closer to the face of the headlight or place them further back. The closer configuration is shown in *Figures 10 & 11*.



Figure 10

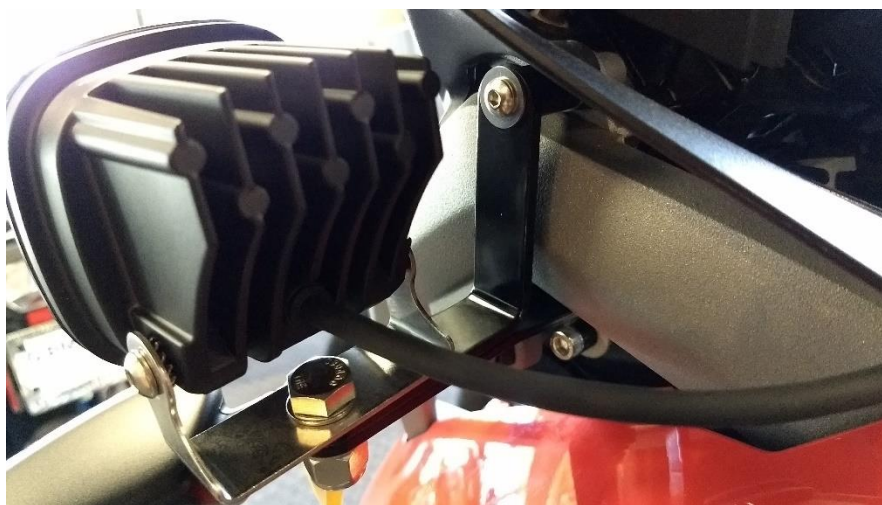


Figure 11

- 10.) Tighten all bolts by hand.



baja designs.
The Scientists of Lighting

Note: Do not overtighten bolts

- 11.) Plug In all wiring connections, zip tie relay and all wiring away from moving components then reattach the battery cover.
- 12.) Locate the factory GPS connector, *Figure 12*, which will be on the righthand side of the bike adjacent to the shock tube as shown in *Figure 13*.



Figure 12



Figure 13

- 13.) Our recommended installation procedure is to purchase the 3 wire GPS connector shown in *Figure 14* whose part number is shown in *Figure 15* from your local BMW motorcycle dealership and is about \$15.



Note: The wire numbers are printed on the yellow insulation, wire #3 is the ignition switched power wire which will be connected to the Positive Bullet Relay Extension included in kit via the extra female connector and insulator which is also included. The other two wires (#1 and #2) WILL NOT be used. The unused wires' ends need to be taped and zip tied out of the way to prevent malfunctions. The opposite end of Bullet Relay Extension plugs into the switch's yellow wire with the male connector on it after removing the black splice connector. The other switch wire plugs into the relay's yellow wire with male connector.



Figure 14



Figure 15

Note: Alternatively, the red wire with a white stripe is the ignition switched power wire which could also be connected to the Positive Bullet Relay Extension included in kit via the splice connector if the recommended GPS connector is not purchased but this IS NOT recommended as piercing the wire's insulation could present future problems.



baja designs[®]
The Scientists of Lighting

Also, if you are currently using or intend to use a GPS “Y” connector or splitter will be necessary to operate both the GPS unit as well as the auxiliary lights simultaneously and can be purchased at your local BMW dealership.

Warning: Use only the hardware included with the light and kit. Kits are designed to work specifically and are for use with only Baja Designs lights.