



Installation Manual

BMW R1150GS HID Headlight Replacement Kit



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Bike Preparation & Disassembly

- Place motorcycle on level ground on center stand
- Park motorcycle in front of blank wall and mark focus points of current headlight. (This will aid in aligning headlights after installation.)
- Remove seat to access battery
- Disconnect positive battery lead
- Remove windshield (4 x T30 TORX screws)
- Remove headlight cover (2 x T25 TORX screws)
- Remove headlight bezel (3 x T25 TORX screws)
- Remove headlight assembly (2 x T30 TORX screws)
- Turn headlight aiming control CCW until it separates from the headlight assembly
 - * **make sure you do not lose the spring**
- Remove connections from “city light”. This will not be reused so move connectors out of the way.
- Remove connections from back of high and low beam lights
- Remove 2 x screws holding headlight aiming control to old headlight assembly. Install this in same position on new headlight assembly.

Harness Installation

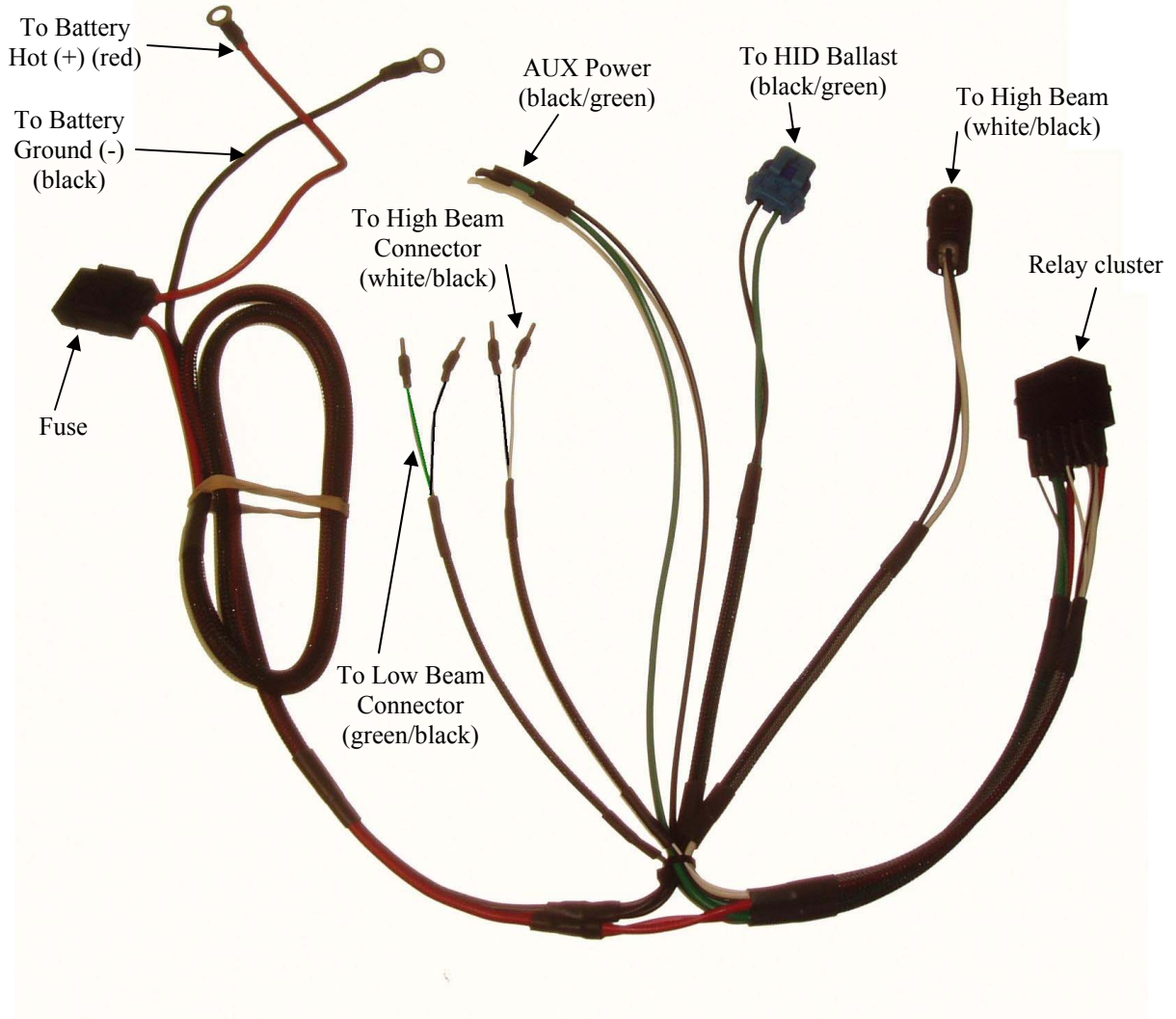
- Route harness battery connections and fuse block under left side of gas tank back to the battery.
 - ***Do not connect positive lead at this time.**
- Route harness end with 2 relays along left side up to instrument panel.
- Tie relay assembly to housing as shown
- On new harness locate the 4 gold pins on black and white, and black and green wires. These plug into the two factory light connectors.
- Connect wires as below. Also see the harness diagram on the following page.
 - The low beam connector has a green and a brown wire.
 - The pin with the green wire goes into the connector with the green wire
 - The pin with the black wire goes into the connector with the brown wire
 - The high beam connector has a white and brown wire
 - The pin with the white wire goes into the connector with the white wire
 - The pin with the black wire goes into the connector with the brown wire



Headlight adjuster connection.
Note: Ballast and bracket not shown.



Relay cluster location. Note:
new version of harness has 2
relays instead of 3.



Mounting new light assembly

- Unscrew speedometer cable and pull cable down to allow new light assembly to fit into bike.
- Locate flat on the bottom of headlight aiming control assembly on new light.
- Make sure the spring is over the threaded rod from the aiming knob
- The flat side of the assembly fits into a track on the instrument housing
- Screw the threaded rod into the assembly and turn clockwise to engage threads.
- Attach the low beam connector from the new harness to the input of the HID ballast
- Plug high beam connector from new harness into new high beam light
- Push light assembly back into the housing lining up the two screws on the left side while turning the adjuster clockwise
- Hook up positive connection at battery and test lights
- Assemble light housing to front of bike with factory screws.
- Reverse order for assembly. Speedometer cable will come up between lights.

Changing the High Beam:

Follow these instructions for changing the High Beam bulb if it burns out:

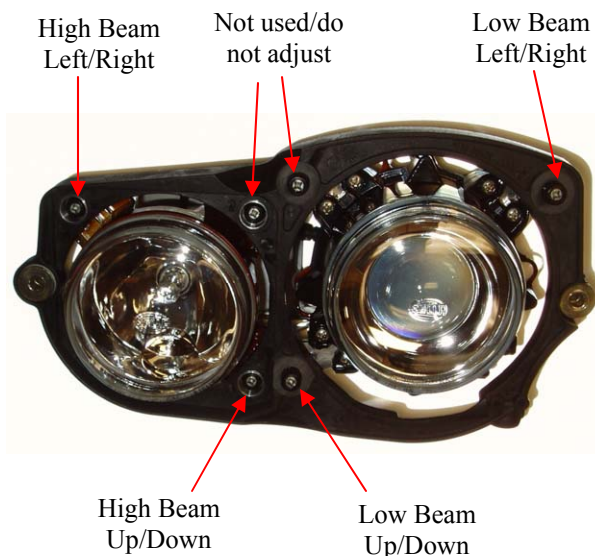
- Disconnect connector from bulb.
- Cut zip ties holding ballast in place.
- Replace bulb.
- Re-attach ballast with zip ties.
- Re-connect connector.



Cut these zip ties

Adjusting Headlights

- Using a # 2 Philips screwdriver adjust the lights using the marks you made from the original headlights. Be cautious with the screws to prevent stripping.
- There are 3 adjustment screws on each light. One screw is not used. See diagram on the right.
- NOTE: The Black/Green wire pair is an auxiliary switched power source. This can be used as accessory power for our Glenda and Krista lights, GPS devices, and other such accessories.



ENJOY!