



MOTORCYCLE LIGHTING

www.namzccp.com

**NAMZ Custom Cycle Products, Inc**

1440 Ulmer Avenue  
Oreland, PA 19075

Technical Support is available Monday-Friday, 9am-5pm EST via email at [tech@namzccp.com](mailto:tech@namzccp.com) or call us at 1-877-277-NAMZ.

**Part Number:** LLC-RBTH-01, LLC-RBTH-02 & LLC-RBTH-03



(LLC-RBTH-03 not pictured)

**Fitment:**

**LLC-RBTH-01**-Plug-n-Play Rear Fender Harness for use on '10-'13 Street & Road Glide Models with LLC-BRBT, 3-1 Bullet LED's or Light Bar Kits LLC-RLB-S, LLC-RLB-A, LLC-BLB-S, LLC-BLB-A ONLY.

**LLC-RBTH-01**-Plug-n-Play Rear Fender Tap Harness for use on '99-'13 XL, '99-'10 Softail, '99-'11 Dyna, '99-'13 ALL FL (except '10-'13 Street & Road Glide Models) use with LLC-BRBT 3-1 Bullet LED's or Light Bar Kits LLC-RLB-S, LLC-RLB-A, LLC-BLB-S, LLC-BLB-A ONLY.

**LLC-RBTH-03**-DIY "Add-A-Light" Harness, fits all Harley Davidson models from 1999 to Current. This DIY harness features all of the wire, heat shrink and Lightning Splice's needed to make adding on additional LED lighting simple, providing ground, running light, brake light and turn signal wiring for a left and right side light.

**This product is intended:** Sometimes when installing new LED lighting, it's an over thought to make the lighting easily removable, serviceable or plug-n-play. That's why we created these harness options, to make it simple for you to add, remove and service our LED lighting!

**What is included in this kit?**

- (1) Replacement harness, pigtail harness or DIY harness
- All installation supplies needed

**Recommended Tools:**

- #2 Phillips Screwdriver
- Angle Cutters
- Heat Gun and Solder and Soldering Iron.

**WARNING!**

*This product should be installed by a professional motorcycle technician or reputable shop/ dealership.*

*Improper installation may result in loss of taillight and/or turn signal functions.*

1. Be sure the ignition switch is in the OFF position!
  2. **LLC-RBTH-01:** This harness is intended to plug in between the rear fender connection and allow additional rear turn signals/running or brake lights to be added without cutting or splicing.  
**NOTE:** This harness will need to be soldered to the newly added lighting. Heat shrink is included.
  3. The black, 6-position rear fender connection can be found under the left side cover.
  4. Once connected in between, safely route the left and right side harnesses to your newly installed light away from moving parts and solder accordingly.  
**NOTE:** You will find pre-installed connectors on the left and right side harnesses for an easy disconnect.
  5. Pinout: **Black = GND, Blue = RUN, Red/Yel = BRAKE, Violet (LEFT) & Brown (RIGHT)**
  6. **LLC-RBTH-02:** This harness is intended to plug in between the 6-position rear fender connector under the center taillight and allow additional rear turn signals/running or brake lights to be added without cutting or splicing.
  7. Start by removing the Phillips Head screws on either side of the taillight and unplug connector to remove lens.
  8. Once removed, disconnect the 6-position connector on the top of the circuit board, plug back into our harness and connect our harness back into the board.
  9. Pinout: **Black = GND, Blue = RUN, Red/Yel = BRAKE, Or/White = switched 12+, Violet (LEFT) & Brown (RIGHT)**
  10. Once connections are made, use supplied heat shrink to cover the splices.
  11. Reconnect the taillight and reinstall the lens carefully.
  12. **LLC-RBTH-03:** This "DIY" Harness Kit is designed to provide users the ability to tap into the OEM harness safely and easily while providing (2) black ground, (2) blue running light, (2) red brake, (1) violet left turn and (1) brown right turn signal wire.
  13. Begin by finding the rear fender connection identifying the same color wires in the harness.
- NOTE:** CAN/Bus models use different colors, black is ground, blue is running light, blue/red is brake, blue/violet is left and blue/brown is right turn signal.

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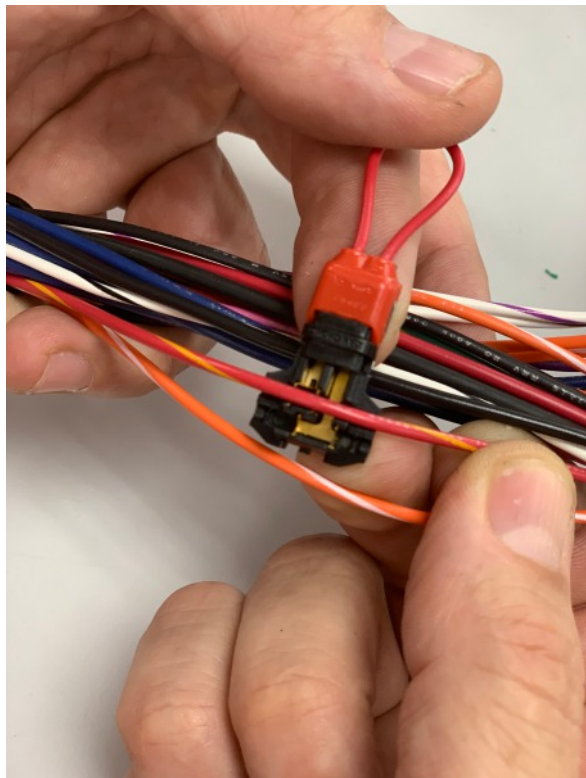
14. You will notice that our Lightning Splices are all shaped like a "T". This will make it much easier to splice into the existing OEM harness.

**NOTE:** Before you start, determine how many wires your new add-on-lights have. Chances are, 2-wire LED's will be power and ground, 3-wire LED's may be low power, high power and ground & 4-wire LED's will almost always be running light, brake light, turn signal and ground.

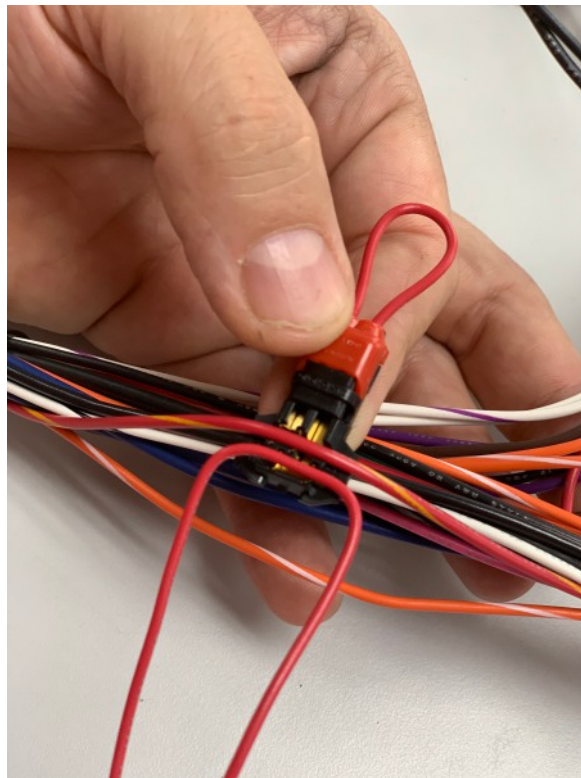
16. The (2) wire splices will have small loops in them which will allow you to install the 6-foot long black, blue and red wires without having to cut them in half if do not chose to.  
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16. Chose your first wire in the bikes OEM harness and locate the same color wire in DIY splice kit .
17. Start by opening the Lightning Splice and route the bike wire into the splice's inner cavity first. **DO NOT CLOSE THE SPLICE DOOR!**
18. Using the color matching 6-foot wire, fold in half and place into the Lightning Splice on the outer cavity.
20. Once both wires are in place correctly, close the splice door firmly. All double splices should be done in this same order, black wires, blue wires and red wires based on what you are using in your application.
21. The single splices already have the violet and brown wires in place for you. Simply locate those wires in the bikes OEM wiring harness, place it into the open cavity.
22. Finally, before closing the splice door, be sure the wire is in place correctly.
23. Now you can install the heat shrink tubing, route the left and right harnesses keeping them away from moving parts and make the final connections to your new lighting. (you will find (8) pieces of 1/8" shrink for each solder joint)
24. Turn on the ignition and test lighting functions accordingly.

*(The pictures below show the (2) wire splices without the splice door on for better visibility of how the NAMZ Lightning Splices work. NOTE: You will need to use pliers in order to close the splice door and make a solid connection.)*



Find the wire in your harness and position into the inner-most cavity. This is a brake wire.



This shows the 6' long brake wire, folded in half and positioned in the outer-most cavity.