



### **NAMZ Complete Bike Harness, Part # NCBH-01-B2 (REV: 4-30-26)**

- **Fits most non-fuel injected motorcycles or motorcycles with stand-alone EFI systems.**
- **This harness is made for easy installation but should be installed by experienced and professional technicians at a reputable motorcycle shop or dealership.**
- **Disconnect the battery FIRST!**

Thank you for choosing a quality NAMZ product! The new **NCBH-01-B2** complete motorcycle harness is a redesigned and improved system, now featuring the Badlands ATS-04 speed-sensing, self-canceling turn signal module. Engineered to closely match OEM standards, this harness includes the most commonly used connections and delivers reliable, traditional functionality.

It provides an ideal foundation for any motorcycle project—whether you're replacing a damaged or heavily modified stock harness, restoring an older bike, or building a custom from the ground up. The harness is compatible with standalone, Evo, and Twin Cam ignition systems, as well as standalone fuel injection setups.

Designed for use with a two-position key switch, the system can also accommodate key-start switches with a simple wiring modification. (Please note: ignition system and key switch are not included.) Built with simplicity in mind, this harness follows factory-style design principles without unnecessary complexity. While it is intended for straightforward installation, professional installation is strongly recommended to ensure everything is completed correctly the first time.

Take a look at the features of our NCBH-01-B complete wiring harness kit:

- OEM color-matching wiring with 11-second self canceling turn signal module.
- Fuse block holds a full size, commonly available & replaceable starter relay and (3) ATO fuses.
- A 30-Amp circuit breaker is installed and is ready for any regulator/charging system.
- Oil, neutral, high beam, and turn signal indicator wiring.
- Color matching handlebar switch wiring as found on '96-'13 non-glide models.
- Headlight wiring with headlight socket and terminals.
- Front turn signal harness with added running light wires, connectors and terminals.
- Rear fender harness with connectors and terminals.
- Key switch wiring with ring terminals.
- Coil wire with ring terminals, tachometer, horn, oil sending unit, brake switch and neutral switch wiring with terminals.
- Sections of 3/16", 1/4", 3/8" and 1/2" ID heat shrink included.
- Heavy gauge 12 (+) power and (-) ground wires with terminals for battery connection.

#### **INSTALLATION:**

Before you install your new wiring harness, take a look over the motorcycle and come up with a plan for routing the wires to where they need to go. Decide if you want to drill holes in the frame to hide wiring or run wires on the outside of the frame. Remember, the more time you put into your wiring job now, can only reduce the chance of any problems in the future. We always tell customers that are using this harness on a new, custom-built bike, be sure to wire it, fire it and ride it before you get the frame painted or powder coated. This way you can drill holes where or when needed without damaging a finished surface. You also want to work out any bugs before you think that you're ready for paint.

Once you have looked over the bike and have come up with a plan, find a home for the fuse block, flasher module and circuit breaker. Notice that they all have mounting tabs and make sure that these components are easily accessible so you can service them when needed down the road. You will also see that all of the connections on the fuse block and flasher module have been already made for you. The only wire you will need to connect on these three components is your regulator output wire to silver stud on the 30-AMP circuit breaker. The silver is the protected side and the copper side is battery. If for

any reason you hook this up incorrectly, you could damage your battery, charging system and possibly the entire wiring harness.

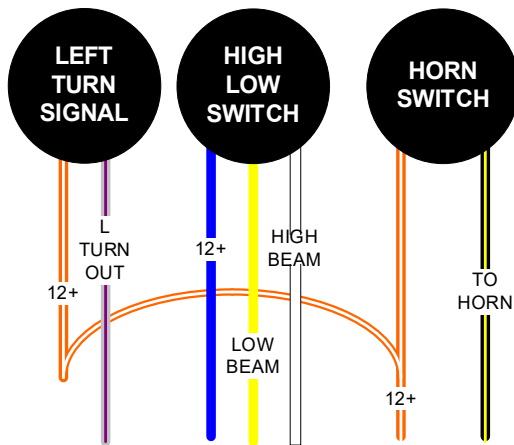
### MAKING THE CONNECTIONS:

As you can see by looking over the included, full color wiring schematic, the final connections are going to be pretty simple. Each end of the wiring harness is labelled based on the function of that particular bundle of wires. The colors we have chosen for the harness are closely based on most OEM HD models from 1996-2006. We recommend using all of the mating connectors and terminals included in this kit. This will help seasoned mechanics for sure and allow for easy servicing down the road if needed. NOTE: The white/green wire from our Badlands ATS-04 module must be spliced into the "data" wire coming from an electronic speed sensor. This will provide the data needed for our module to self-cancel turn signals like a factory TSM module. When the module senses 7-miles per hour, it will begin counting down flashes until it shuts off. No more pressing the turn signal buttons multiple times!

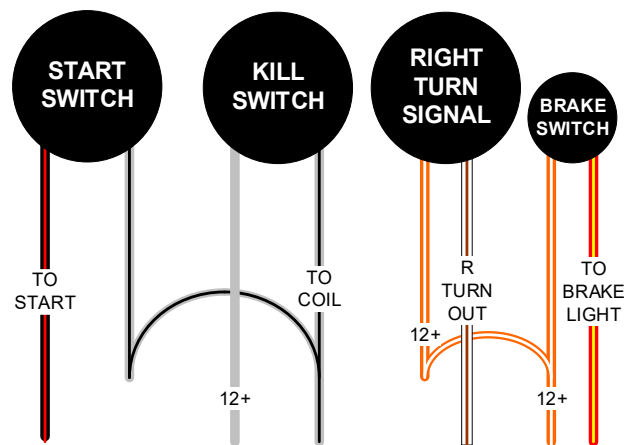
### HANDLEBAR SWITCHES:

This harness is intended for OEM style, 6-button style switches, LEFT TURN, HIGH/LOW BEAM & HORN for the left, RIGHT TURN, STOP SWITCH and START BUTTON for the right side. Here is how to connect your handlebar switches. *(You can find a KEY on the left side of the schematic which shows a GRAY/ORANGE circle in front of the LEFT and BLACK/ORANGE circle in front of the RIGHT side wires.) (Use GRAY 6-position Deutsch Connectors for LEFT and BLACK 6-position Deutsch Connectors for RIGHT side)*

(OEM colors) Left Side Switches



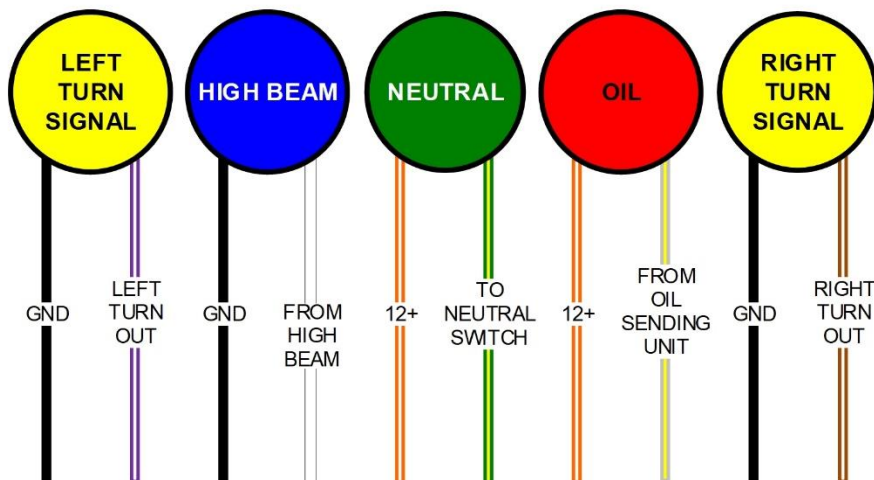
(OEM colors) Right Side Switches



### INDICATOR LIGHTS:

This harness comes complete with indicator light wiring using OEM colors, LEFT TURN, HI/LOW, NEUTRAL, OIL and RIGHT TURN. Here is how to connect your indicator lights. *(You can find a KEY on the left side of the schematic which shows a RED circle in front of the indicator wires.)*

(OEM Colors) Indicator Lights



When wiring the indicator lights, be sure to twist ALL (3) of the black wires together and BOTH (2) of the orange/white wires together when attaching to our harness.

**FRONT TURN SIGNALS:**

This harness will have (6) wires, VIOLET, BROWN, (2) BLUE and (2) BLACK wires. Included in this kit is a MALE and FEMALE 6-position Multilock connector with mating terminals. Once you have the wires routed, cut to length and heat shrink installed, strip wires 3/16" and crimp on male Multilock terminals. Use the MALE connector (uses male terminals) on our harness and attach the FEMALE connector (uses female terminals) on the wires attached to your front turn signals. Be sure to match up and install one wire at a time. It's best to alternate between the male and female connector in order to prevent incorrect pin-out.

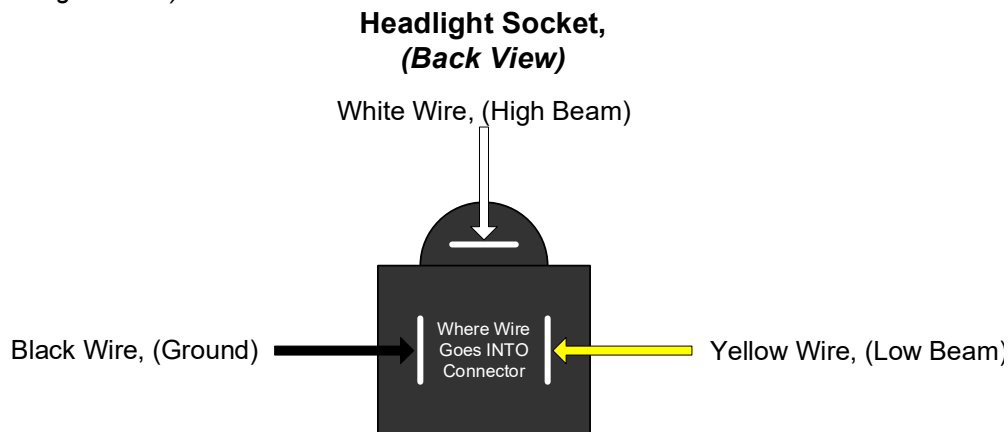
**NOTE:** The VIOLET wire is LEFT front turn signal. The BROWN wire is RIGHT front turn signal. The (2) BLUE wires are for front RUNNING lights, and the (2) BLACK wires are used for turn signal GROUND. Your front turn signals can be LED, Halogen or Incandescent Bulbs. (In order for the front turn signals to function as running lights AND turn signals they must be dual function lights).

**REAR TURN SIGNALS:**

This harness will have (5) wires, BLACK, BLUE, RED/YELLOW, VIOLET and BROWN. Included in this kit is a MALE and FEMALE 6-position Multilock connector with mating terminals. Once you have the wires routed, cut to length and heat shrink installed, strip wires 3/16" and crimp on male Multilock terminals EXCEPT for the BLACK wire. Use the MALE connector (uses male terminals) on our harness and attach the FEMALE connector (uses female terminals) on the wires attached to your taillight and rear turn signals. Use a small piece of #18-gauge BLACK wire, strip 3/16" and double crimp the BLACK wire on the harness side along with the short black wire into the same male Multilock terminal. On the other end of the short BLACK wire, strip 3/16" and crimp on another male Multilock terminal. (See schematic)

**HEADLIGHT CONNECTION:**

This harness will have (3) wires, BLACK, WHITE and YELLOW. Once you have the wires routed, cut to length and heat shrink installed, strip wires 1/4" and crimp on female spade terminals that are included in this kit. *(You can find a KEY on the left side of the schematic which shows a WHITE/BLACK circle in front of the headlight wires.)*

**KEY/IGNITION SWITCH:**

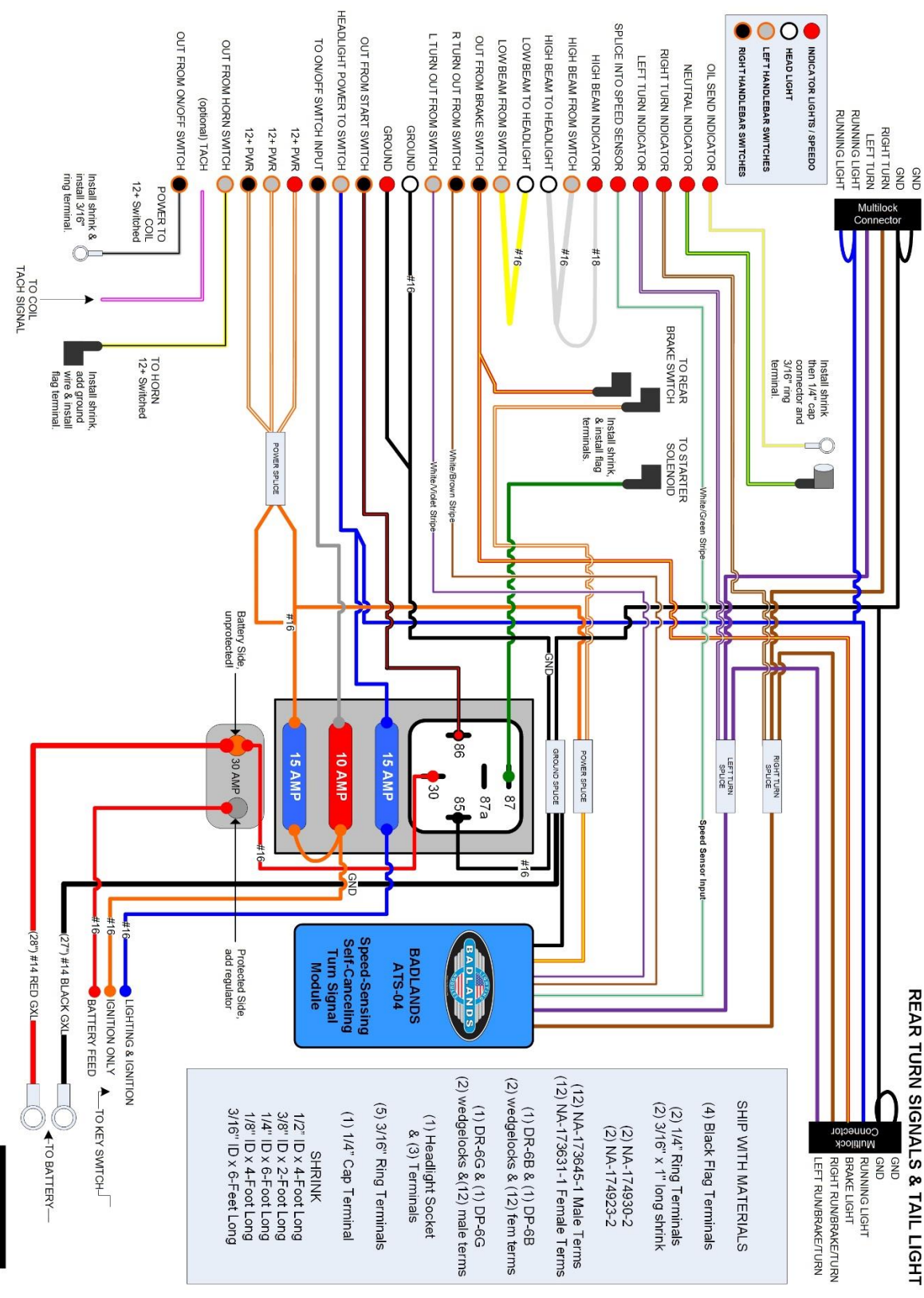
This last harness will also have (3) wires, BLUE, ORANGE and RED. Once you have the wires routed, cut to length and heat shrink installed, strip wires 1/4" and attach the wires to the key/ignition switch of your choice. Some switches require you to solder the wires while some other switches have screws for ring terminals. We provide (3) ring 3/16" terminals in this kit. *(You can find a KEY on the left side of the schematic which shows a WHITE/BLACK circle in front of the headlight wires.)*

If you have any questions or concerns, please free to call us at 1-877-277-NAMZ or send us an email via our web site: [www.namzccp.com](http://www.namzccp.com).

**FRONT TURN SIGNALS**

**NAMZ Complete Bike Harness, Part # NCBH-01-B2**

**REAR TURN SIGNALS & TAIL LIGHT**



**4-30-2026 REV-2**