



Custom Dynamics® A/W Bar End Lights Installation Instructions

We thank you for purchasing the Custom Dynamics® A/W Bar End Lights. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Numbers: CD-BAR-END-AW-B

Package Contents:

- Bar End Lights (2)
- Mounting Hardware Kit (2)
- AW Converter (2)

Fits: Universal; 12VDC Systems Handlebars with 7/8" - 1" ID and open ended handlebar grips without throttle by wire, heated grips, or threaded handlebar ends.



Please read all Information below before Installation

Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure to do so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

Safety First: Always wear appropriate safety gear including safety glasses when performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Be sure vehicle is on level surface, secure and cool.

Important: This product is designed and intended for use as auxiliary lighting only. It is NOT intended to replace any original equipment lighting installed on the vehicle and should not be used for that purpose. This product must be wired so that it does not interfere with any original equipment lighting.

Note: Some wiring knowledge is required for this installation. Consult your vehicle detailed service manual for wiring information and color codes. Use a meter or test light to verify wiring before tapping any vehicle wiring. If the steps contained within are beyond your skillset, do not attempt installation, contact a qualified mechanic or dealership to assist you.

Note: Flash rate will vary from bike to bike based on the bike's total electrical load impedance, and can be modified with the installation of a flasher module or load equalizer depending on your bike. Flasher modules and load equalizers are sold separately.

Note: If your handle bar grips are not open ended, additional modification to the bar grips may be required in order for the Bar End Lights to mount to the handlebar.



Installation:

1. Determine the correct mounting hardware needed for your application. Refer to Page 2 for guidance.
2. Preassemble the Bar End Lights using the provided hardware determined in Step 1. Refer to Page 2.
3. If a hole in the center of the handlebars is not already present, drill a 3/32" hole in the bottom of the center of your handlebars for the wires to exit. Deburr the hole to prevent damage to the wire.
4. With the handle bar grips and controls installed, route the wiring of the Bar End Lights into the handlebar tube and out the hole in the center of the handlebars.
5. Insert the Bar End Light into the handlebar tube and ensure the fit is tight between the rubber insert and the handlebars. The Bar End Light should fit snug with no play. If not snug, Hold the nut with a wrench and turn the Bar End Light clockwise to increase the diameter of the rubber insert
6. Hand rotate the Bar End Light clockwise until you are unable to rotate the Bar End Light. If the light does not tighten, the nut on the end of the Bar End Light may need to be tightened to increase diameter of the rubber insert.
7. Route wiring to the point of termination leaving slack in the wires for the handlebars to turn side to side. Secure the wiring does not come in contact with any moving or high heat parts. Ensure wiring cannot be pinched, cut or frayed.

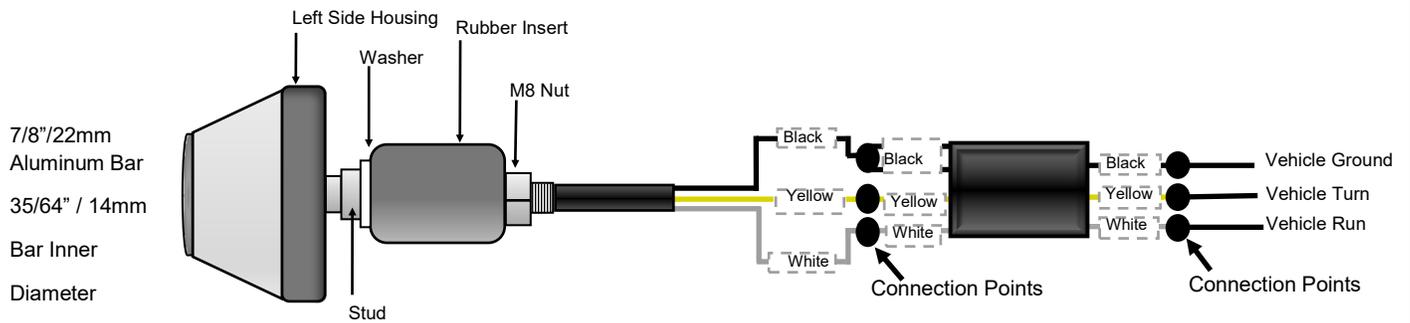
Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

Installation Instructions - Page 2.

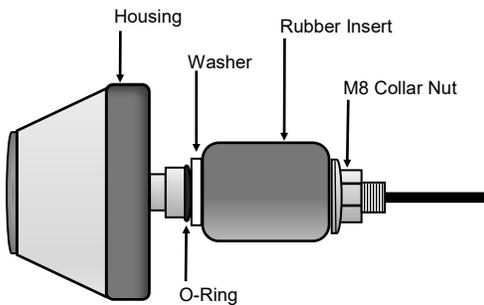
Installation:

8. Make your connections using the provided Solder Seal Heat Shrink Connectors. Connect the Bar End Lights to the provided AW Converters, then to the stock turn signal wires. Make connections using the following colors:
 - White wire—to the running light constant power source
 - Amber wire—to turn signal wire left or right
 - Black wire—to ground wire
9. Check operation of both Bar End Lights™ units in running and turn signal modes. The White LED's will operate at full intensity in running mode, then turn off when turn signal is on, and the Amber LED's will flash full contrast on-off-on. When the turn signal is turned off, the white LED's will turn back on.

Preassembly and Wiring

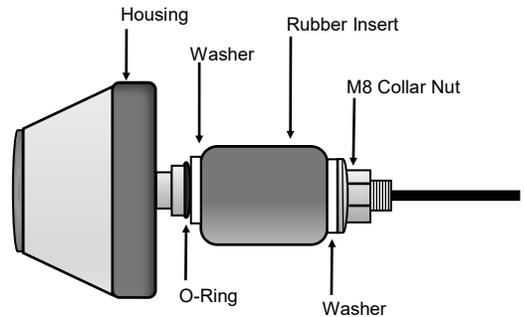


7/8" / 22mm Steel Bar
45/64" / 18mm Bar Inner Diameter



1" Steel Bar

53/64" / 21mm Bar Inner Diameter



1" / 25.4mm Aluminum Bar

43/64" / 17mm Bar Inner Diameter

Bar Inner Diameter

Diameter

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