



Billet Amber-White Wrap-Around™ LED Turn Signals Installation Instructions

We thank you for purchasing the Custom Dynamics® Billet Wrap-Around™ LED Fork Mounted Turn Signals! 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.

For Part Number(s):

WA37-AW-BS	WA43-AW-BS
WA37-AW-CS	WA43-AW-CS
WA39-AW-BS	WA49-AW-BS
WA39-AW-CS	WA49-AW-CS
WA41-AW-BS	WA56-AW-BS
WA41-AW-CS	WA56-AW-CS

U.S. Patents:

8,876,331 B2; 8,192,061 B2; D605,345 S; D611,177

Package Contents:

- Billet Wrap-Around™ Turn Signals (Pair)
- AW Converter (2)
- Instructions

Installation

1. Prior to install test each set of LEDs by holding the correct wires to the corresponding terminals on your battery or other 12 volt source.
2. Prior to hard wiring/soldering it is recommend that you mock-up the wiring to determine your flash rate and four-way flasher function to determine whether or not a flasher module or load equalizer is needed or desired.
3. Remove current front turn signals
4. Expose the wiring to allow you to set up and splice and solder the wires accordingly.
5. Please note that your Billet Wrap-Around™ turn signals are assembled as a mirror image of each other allowing the wires to exit towards the middle of the bike when mounted. For the cleanest look, we recommend that you install your turn signals with the Allen bolts facing down. The right and left sides have been labeled for your convenience, but that is only our recommendation. If you choose, you may install them on either side.
6. Position a center-stand style jack underneath the bike and properly secure with tie-downs, etc.
7. Once the bike is secured, loosen all pinch bolts on the upper and lower triple-trees.
8. SLOWLY raise the bike and allow the front end suspension to unload.



IMPORTANT



Please read the important information below before Installation

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: Please be advised that while the installation of these turn signals does NOT require the complete disassembly of your front end, it will involve a PARTIAL disassembly of your front end. While every bike is different, the front end/wheel may be positioned to allow the partial sliding of the fork tubes with a minimum of time and effort. Remember, you only need to create as much of a space/gap to allow the turn signal to slide over the top of the fork tube...no more. Use the following recommendations as a general guideline. Remember, each bike is different. Be cautious and aware of properly raising and supporting the bike while doing this. If this is something you are not equipped for, or are not comfortable with the skills required to handle this project on your own, we highly recommend that you contact your local dealer for proper installation. Failure to properly reassemble your front end can lead to a loss of steering control which could ultimately result in death or serious bodily injury.

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.

Please pay extra attention to brake lines, wiring, etc. and make sure that they are not overextended to the point of breaking, and disconnect and/or remove as necessary!

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

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- Once the load/tension has been reduced on the front end, you should be able to slide the fork tubes down enough to readily slide the clamps over the top of them.
- Reassemble the front end exactly as stated in your bikes respective service manual, and torque the upper and lower triple tree pinch bolts accordingly.
- Orient the clamp with the LED's facing in the direction/angle you desire and apply gentle, hand tight pressure to the clamps set screw. Do not over tighten this set screw or attempt to reposition the clamp without first backing it out completely as you may cause damage to the fork tube. The set screw may leave a slight indentation in the surface of the fork tube, and the use of painter's tape or other suitable material may be used (although is not required) to protect the fork tubes surface. Properly tightened, the set screw will not cause the chrome to be damaged provided our precautions are heeded.
- Attach the AW-Converters to the ends of the Wrap-Around™ wiring. It is recommended the connections be soldered, then covered with heat shrink tubing. You may also use crimp connectors or Posi-Lock™ connectors (sold separately).
- Make connections from the AW-Converters to stock turn signal wires. It is recommended the connections be soldered, then covered with heat shrink tubing. You may also use crimp connectors or Posi-Tap™ connectors (sold separately). Make connections using the following colors :

White wire—to the running light constant power source (typically Blue on HD's)
Amber wire—to turn signal wire left or right (typically Brown=Right/Purple=Left)
Black wire—to ground wire (typically black)

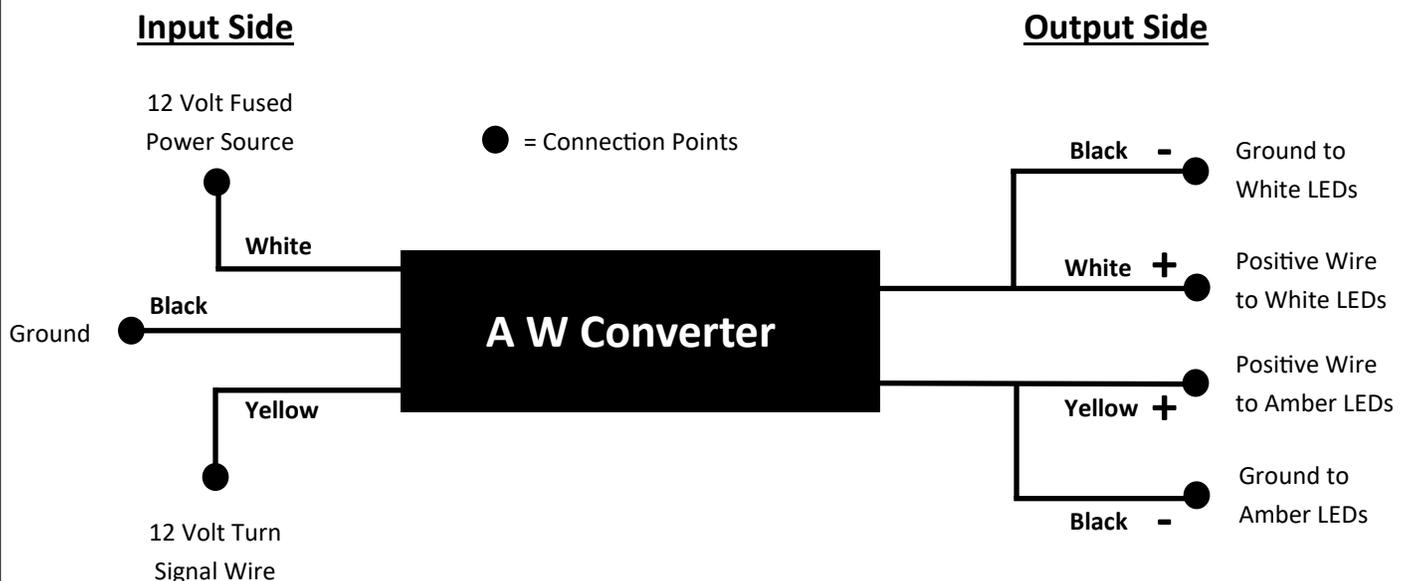
- Check operation of both Wrap-Around™ units in running and turn signal modes. The White LED's will operate at full intensity in running mode, then turn off when turn signal is on, and the Amber LED's will flash full contrast on-off-on. When the turn signal is turned off, the white LED's will turn back on.

Input Side (3 wires):

- Connect the White wire to a 12 volt fused constant power source.
- Connect Yellow wire to 12 volt turn signal wire
- Connect Black wire to Ground

Output Side (4 wires):

- Connect white wire to positive wire of White LEDs
- Connect the Black wire to ground of White LEDs
- Connect the Yellow wire to positive of the Amber LEDs
- Connect the Black wire to ground of the Amber LEDs



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