



Custom Dynamics® TruWRAPZ® LED Turn Signals Installation Instructions

We thank you for purchasing the Custom Dynamics® TruWRAPZ® LED 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.

Part Number: TW(SIZE)AA/AC/AS

Package Contents:

- TruWRAPZ® (pair)
- EPZ-WA Module (pair)
- Black #205 1"x1/8"Heat Shrink Tubing (2)
- Black #205 1-3/4"x1/4"Heat Shrink Tubing (3)
- Chrome Zip Ties (10)
- SSWL Stainless Steel Wire Loom (6')
- Wire Loom grey shrink Tubing (2)

Fits: Available for 39mm, 41mm, 43mm, 49mm, and 56mm forks.



ATTENTION

Please read all 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 read all instructions before beginning installation. Some wiring knowledge and soldering experience will be helpful. Consult your vehicle detailed service manual for wiring information and color codes. Use a meter or test light to verify wiring before cutting or 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.

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.

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.

Note: It is recommended that the installation of this product should be performed in a controlled environment of 65 F or above. Allow 24 hours for the tape to properly adhere before riding or washing the bike.

Important: Do not over-tighten the metal tie-wrap during installation! Units should be snug but not tight as it works in conjunction with the 3M tape to stay attached.



Installation of the LEDs

1. Select location on the forks to mount TruWRAPZ®, a good location is under triple tree.
2. Test fit TruWRAPZ® on desired fork location.
3. Clean both fork tubes where LEDs will be mounted with denatured alcohol and allow to dry.
4. DO NOT remove red 3M liner at this point in time. Wrap first TruWRAPZ® around fork, be sure excess end red 3M Liner hangs down so that you can easily access it.
5. Insert metal tie-wrap end through the tie locking hole and pull snug, but do not over-tighten, leave enough slack to remove the red tape liner later.
6. Take loose end of 3M liner and slowly pull to remove liner and expose tape to fork. Give zip tie a final pull to lock 3M tape to fork.
7. Cut the end of the metal tie wrap off of the unit with wire cutters or snips, take care as the metal can be very sharp once cut.
8. Repeat steps 4-6 for the other LED unit.

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

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Preparing the wiring

8. Route wires from TruWRAPZ® to stock turn signal wiring, be sure to leave the proper slack to allow handlebars to fully turn in each direction. Cut off excess wires.
9. Prepare the provided SSWL, open stainless steel wire braid with dull object, the ball end of a motorcycle antenna works great. Cut stainless steel wire braid to proper length for left and right wires.
10. Insert left and right wires into stainless steel wire braid. Slide a piece of provided gray heat shrink over each stainless steel wire braid and continue down until it reaches the TruWRAPZ®. Leave about 1/4" gap between stainless steel wire braid and LEDs, use gray heat shrink to bridge the gap and hold stainless steel wire loom in place. Heat gray heat shrink with heat gun or hair dryer until it shrinks into place.

Making the connections

11. If Connecting EPZ-WA Module to make TruWRAPZ® running lights and turn signals, follow the wiring diagram below, Solder the connections between the LEDs and the EPZ-WA modules. Cut the three pieces of 1/4" heat shrink in half to allow for enough to cover all connections from TruWRAPZ® to EPZ-WA Module. If wiring as turn only, omit the modules and skip to the next step. There is also a dual converter available (sold separately) that enables a standard high and low turn signal function (see next page).
12. Solder the connections from the to EPZ-WA Module to stock turn signal wires using the provided #205 1/8" black heat shrink tubing to cover connections. EPZ-WA : Blue=Running, Yellow=Turn, Black=Ground. If you are not using module: Yellow=Turn, Black=Ground. Make sure bike power is off and the negative battery contact is disconnected before starting. For more information, see the diagram on the next page.


Finish and Test


13. Using the provided chrome zip ties, secure the wires to the forks and anywhere else as needed.
14. Check operation of TruWRAPZ® in running and turn signal modes.


EPZ-WA Wiring Diagram

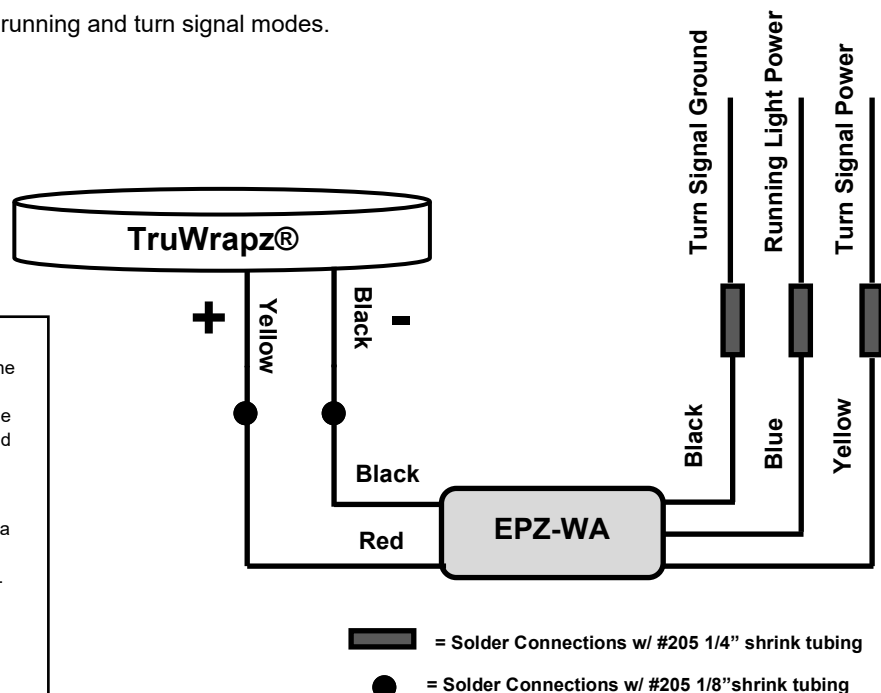
Run/turn Applications Featuring:

- Low intensity Running lights
- Full intensity/full contrast turn signal flash

 The vehicle system **MUST NOT** have power during installation. Disconnect the negative battery terminal from battery before beginning. Any direct short to the module will destroy it and is not covered under warranty.

 Follow the diagram to wire in the modules. If unsure of bike's wiring, consult a manual or use a test light or meter to confirm running and Turn signal power.

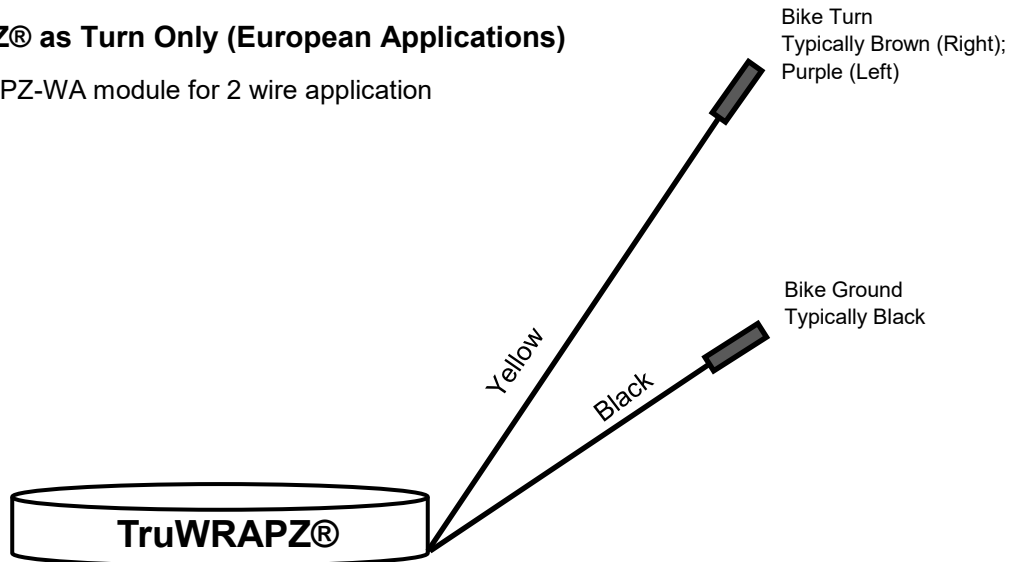
 This product can only be used with LED's.



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TruWRAPZ® as Turn Only (European Applications)

- Omit the EPZ-WA module for 2 wire application



 = Solder Connections w/ #205 1/4" shrink tubing

 = Solder Connections w/ #205 1/8" shrink tubing

With TruFLEX® Dual Converter (Optional)

- Purchased Separately (contact us for details)
- Operates as standard low/high intensity
- Takes place of EPZ-WA module, not to be used with.
(not BCM Compliant)

