



## 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 Heat Shrink Tubing (2)
- 3M Promoter (1)
- Chrome Zip Ties (10)
- SSWL Stainless Steel Wire Loom (6')
- Wire Loom grey shrink Tubing (2)
- Posi-Taps™ (6)

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

### 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 supplied 3M primer. Allow to dry for 3-5 minutes.
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. 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.
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. Cut off Excess zip tie.
7. Repeat steps 4-6 for the other LED unit.



**Posi-Tap™**  
TAP CONNECTOR

**QUICK & EASY**

1. Insert Hot Wire
2. Tighten
3. Strip Leads
4. Insert & Tighten

• TAPS WIRES WITHOUT CUTTING  
• TOTAL WIRE INTEGRITY IS MAINTAINED  
• INSTALLS IN SECONDS BY HAND  
• NO CRIMPING OR TOOLS REQUIRED  
• REUSABLE OR PERMANENT  
• LESS RESISTANCE  
• VIBRATION PROOF  
• FULLY INSULATED

POWERS UP TO (4) LEADS AT ONCE!

**NO CRIMPING**

**NO TOOLS NEEDED**



Note: It is recommended that the installation of this product should be performed in a controlled environment of 65 F or above.



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.



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

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, use provided #205 black heat shrink tubing to cover 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. Using the provided Posi-Tap™ connectors, make connections to stock turn signal wires. If using 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

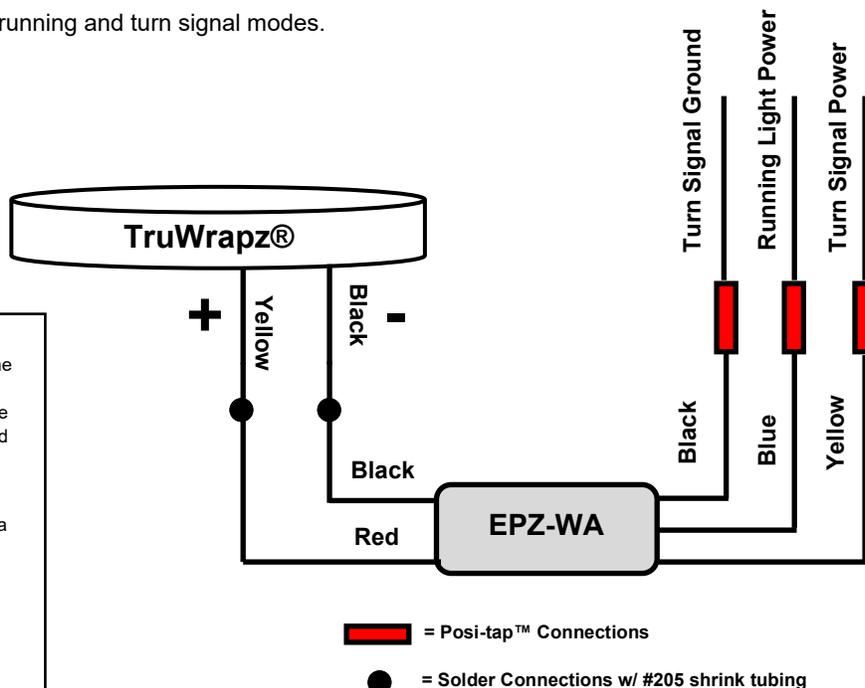
Run/turn Applications Featuring:

- 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.

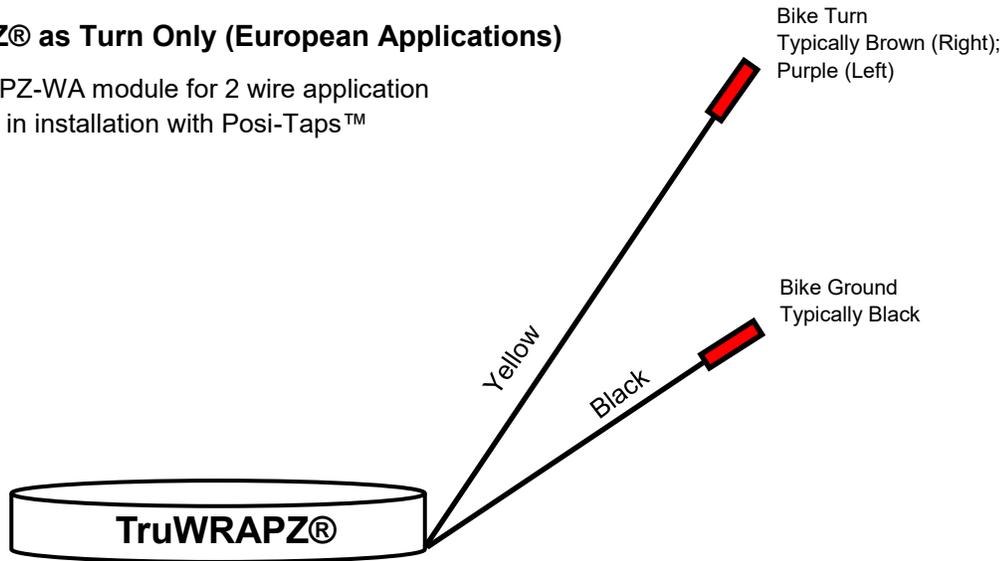


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## TruWRAPZ® as Turn Only (European Applications)

- Omit the EPZ-WA module for 2 wire application
- Simple tap in installation with Posi-Taps™



-  = Posi-tap™ Connections
-  = Solder Connections w/ #205 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)

