

Evolution Turn Signal System

Disclaimer: We assume you possess the expertise and relevant tools to work on your machine. We also assume you have the OEM/Stock owner's manual or technical service manual for your machine. If you do not possess the skills, knowledge, or tools necessary to perform the installation of electrical and/or aftermarket parts, please see a qualified service provider.

Installation

1. Disconnect the battery ground wire.
2. Remove the turn signal cover lenses, bulbs, and reflectors from all turn signals.
Set the lenses and screws aside for reinstallation. The reflectors and bulbs are not needed.
3. Remove the wire harness from the box and lay the harness out.
The front relay has a yellow trigger wire, and the rear relay has a red trigger wire. (However, either relay can perform front or rear functions.)

4. Route the wire harness along the motorcycle, and find a suitable location for the front and rear relay. Use either alcohol or acetone to clean the chosen location. Then use the provided dual lock to attach the relay to the area you cleaned.
5. Run the turn signal wires to the turn signals.
6. Route the (white or black [red for HEX ezCAN]) wires to the turn signal indicators. Pull the factory wires back, and then the other wire should run through the same mounting hole as the factory wires.
7. Repeat this process for the remaining turn signals.



8. Once the (white or black [red for HEX ezCAN]) wires are installed into the housing, reinstall the turn signal and leave enough wire in the housing to make the connection.
When installing in the shop, we pull the factory wires from the stock and then insert the (white or black [red for HEX ezCAN]) wire before reinstalling the factory wires.

Note: If your stock wire connections not insulated use the included shrink-wrap tubing to insulate one of the stock connectors from the other.

Non Insulated Terminal End

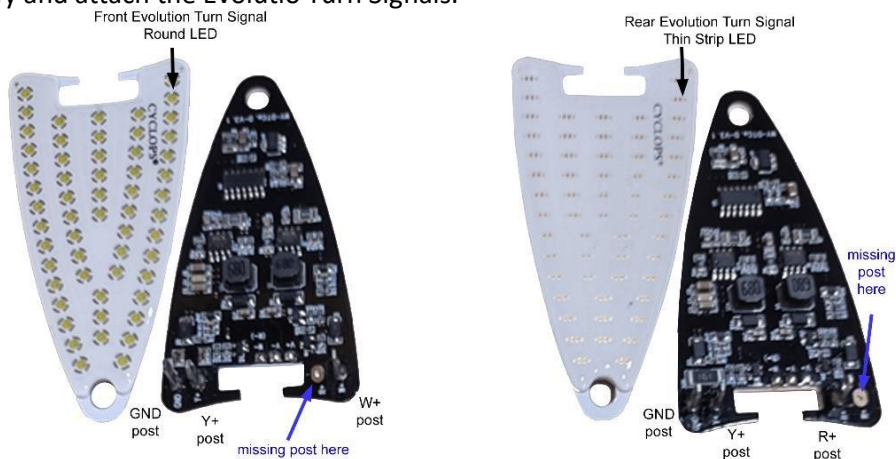


Shrink-wrap insulated terminal end



Note: The tabs are marked on the back of the insert

9. Identify and attach the Evolution Turn Signals.



KTM Only

1. The brown wire will connect to the Y+ Tab on both the front and rear boards.
2. The factory power wire will connect to the GND tab on both the front and rear boards.
3. Use the included securing clip to attach the turn housing to the stem.

Use the included securing clip to attach the turn signal housing to the stem. Depending on model of bike, one or two clips are used to secure the housing and stem.



Front

1. The (white or black wire from relay or HEX ezCAN) wire goes to the W+ tab on the insert.
2. The brown/ground wire goes to the GND tab.
3. The factory power wire goes to the Y+ tab on the insert.
4. Use the included securing clip to attach the turn housing to the stem.

Rear

1. The white or red (power wire from relay or HEX ezCAN) goes to the R+ tab on the insert.
2. The brown/ground wire goes to the GND tab.
3. The factory power wire goes to the Y+ tab on the insert.
4. Use the included securing clip to attach the turn housing to the stem.

HEX ezCAN

Follow the *HEX ezCAN installation and programming guide* at www.hexezcan.com

Front: The front boards will have a black lead that connects to the W+ tab on the board and to the corresponding port on the HEX ezCAN.

- No need to run a ground wire as the grounding is done through the factory wiring.
- Run this lead into the turn signal stocks as described above.

Rear: The rear boards will have a red lead that connects to the R+ tab on the board and to the corresponding port on the HEX ezCAN.

- No need to run a ground wire as the grounding is done through the factory wiring.
- Run this lead into the turn signal stocks as described above and to the HexEzCan.

Installation Continued

10. After all, wires are routed, locate your power sources for your trigger wire.

If you're unsure of what wire to use, you'll need to use a test light to locate the trigger wire.

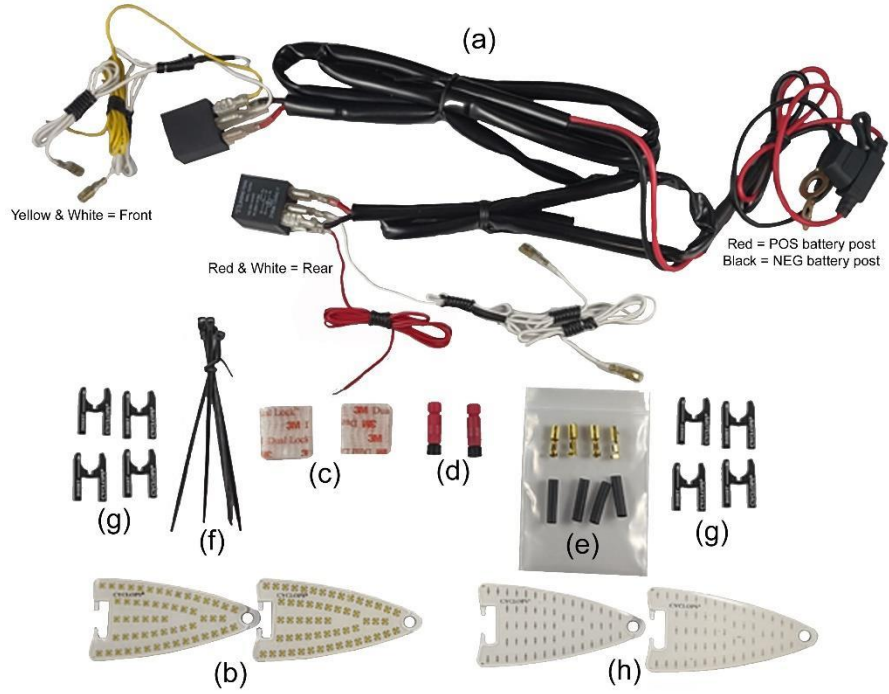
11. The front can be any switched power source providing battery voltage when the bikes key is turned on. Use the included Posi-Tap to make the final connection.
12. The rear power source will need to be the brake light wire. Start by locating the wires that run into the taillight. Then use a test light to identify the wire with voltage when the brakes (front & rear) are applied. Once this wire is located use the provided Posi-Tap to make the final connection.
13. Reconnect the battery ground wire.



Test Lights

1. The front should have a white running light is the bike is on.
2. The rear should light up red (**Only BMW 2014 and Newer**)
3. When the brakes are applied, the rear signals will serve as extra brake lights.
4. Turn on the left or right signal. While initiated the opposite signal will remain white in the front and if a BMW 2014 and newer the rear will be red.
5. Double check your connections and secure the wire harness using zip ties.
6. Reinstall all the lens covers and reassemble the motorcycle.





A	Cyclops Relayed Harness	Qty 1	F	4" Wire Ties	Qty 6
B	Front Evolution Turn Signals Boards	Qty 2	G	Securing Clips (Signal Housing to Stem)	Qty 8
C	3M Dual Lock Tape	Qty 2	H	Rear Evolution Turn Signal Boards	Qty 2
D	Posi-Tap Splicing Connectors	Qty 2	I	HexEzCan Rear Board Lead (Optional)	Qty 1
E	Spare Bullet Connectors & Shrink-Wrap	Qty 4	J	HexEzCan Front Board Lead (Optional)	Qty 1

Front HexEzCan lead



Rear HexEzCan lead

