

Nami Front & Rear Turn Signal Installation

The Nami Front Turn Signal kit comes with two LED Turn Signals, the Main Harness and a Mounting Bracket. The mounting bracket attaches to the carbon fiber stem holding the harness cable cluster in place.

NOTE: The front turn signals will only work with the newer NFC/Display setup.



A**B**

- 1.NFC
- 2.Throttle
- 3.Right Brake Sensor
- 4.Headlight
- 5.Left Brake Sensor
- 6.Display
- 7.Switch Assy

Image (A). Remove all the cable management and cable ties from the original main harness.

Image (B). Unplug all the cables connected to the original main harness.



Image (A). Carefully cut the two cable ties holding the two cable runs.

Image (B). Remove the cable protector off the cables leading into the frame.

Image (C). Shows the two cables coming from the main harness (Red) along with the rear hydraulic brake cable (Blue).



Remove the deck using the number 4 hex key...remove the 8 hex screws securing the deck to the frame.

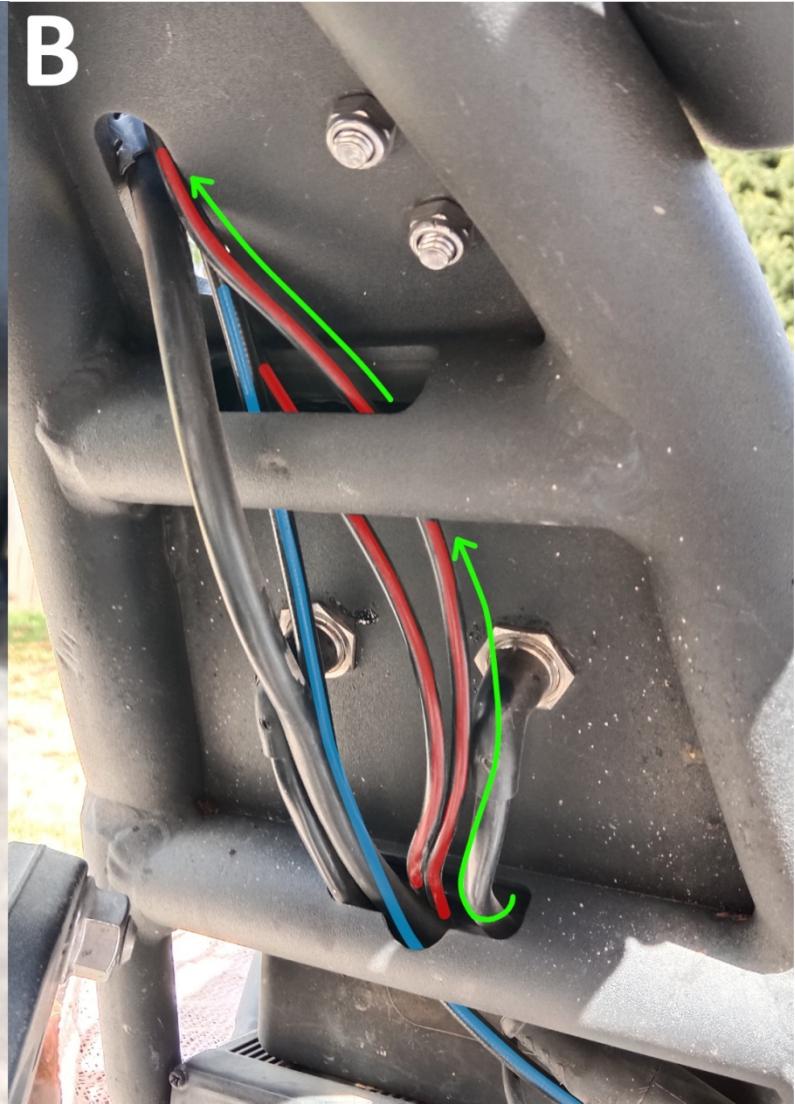


Image (A). Disconnect the two main harness cable plugs from the Controller Harness (Purple)... *(the controller harness resides in the cable tray under the deck)*.

Image (B). Carefully feed the main harness cables out through the underside of frame.

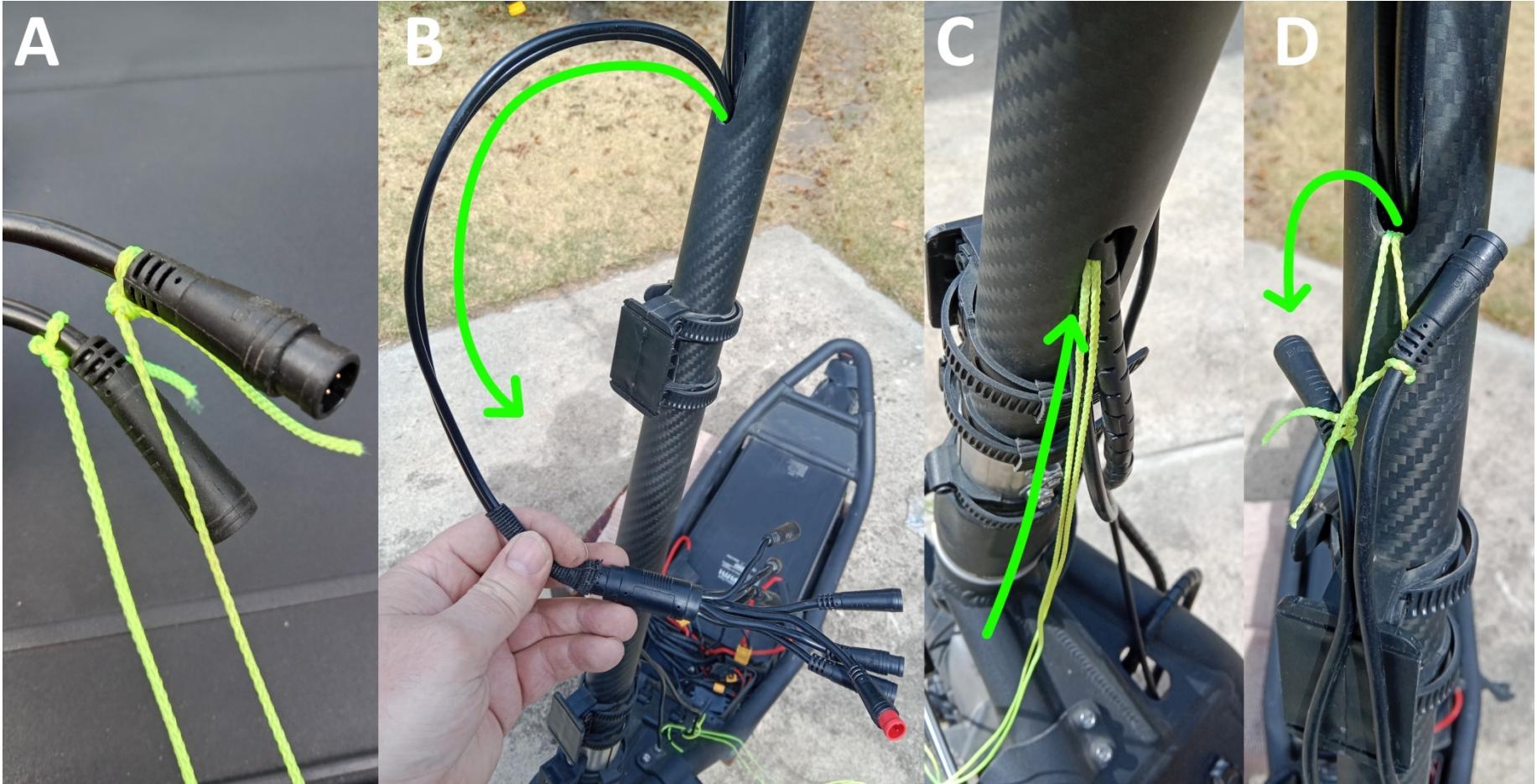


Image (A). Attach some string to the ends of the main cable harness...*this helps with feeding the new harness cable back through the stem.*

Image (B). Carefully start pulling the main cable harness out through the top of the stem.

Image (C). Feed the plugs into the bottom of the stem whilst pulling out the main harness.

Image (D). With the cables completely out, continue pulling out the string a good amount...*make sure to secure the other end of the string.*



Image (A). Attach the string to the ends of the new Front Turn Signal Harness cables...wrap some tape around the ends to place the string in line with the cable.
(Use a strong tape, such as electrical or duct tape, don't use masking tape as I did)

Image (B). Carefully feed the plugs into the top of the stem whilst pulling the string from the bottom of the stem.

Image (C). With the cables out through the bottom of the stem, pull the cables all the way out and remove the string.

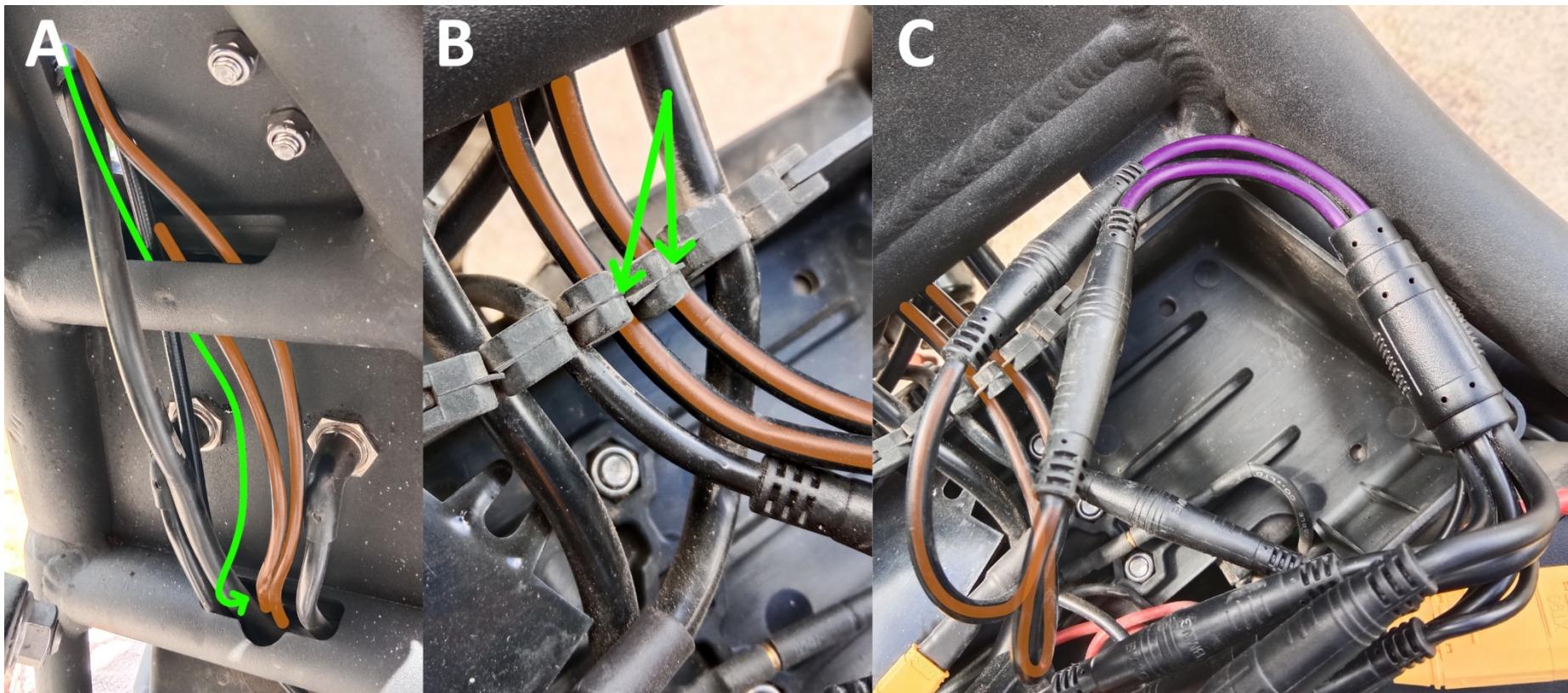


Image (A). Feed the cables back down through the underside of the frame towards the cable tray under the deck.

Image (B). Insert the cables into the grommet slots.

Image (C). Plug the harness cables into the corresponding controller harness plugs.

NOTE: When connecting the Juliet plugs to one another, make sure to align the two arrows to avoid bending the pins.



A**B**

Image (A). Attach the harness mount to the stem and clip the cable cluster assembly into the bracket.

Image (B). Reconnect the corresponding cables from the instrumentation to the new harness.

A**B**

CAN'T SEE THEM

Image (A). With everything reconnected power up the scooter via the NFC and check to see if the turn signals are working correctly. The white LED's are on by default.

Image (B). As a taller rider I have my brake levers rotated down quite a lot for comfort, as a result, the brake levers cover up the turn signals as the mounting brackets are too short...continue on to see how I addressed this issue.

NOTE: Check to see if ALL other functions are working correctly, such as the throttle, headlight, horn and brake lights. If not, recheck all the connections, otherwise continue on to the reassembly stage.

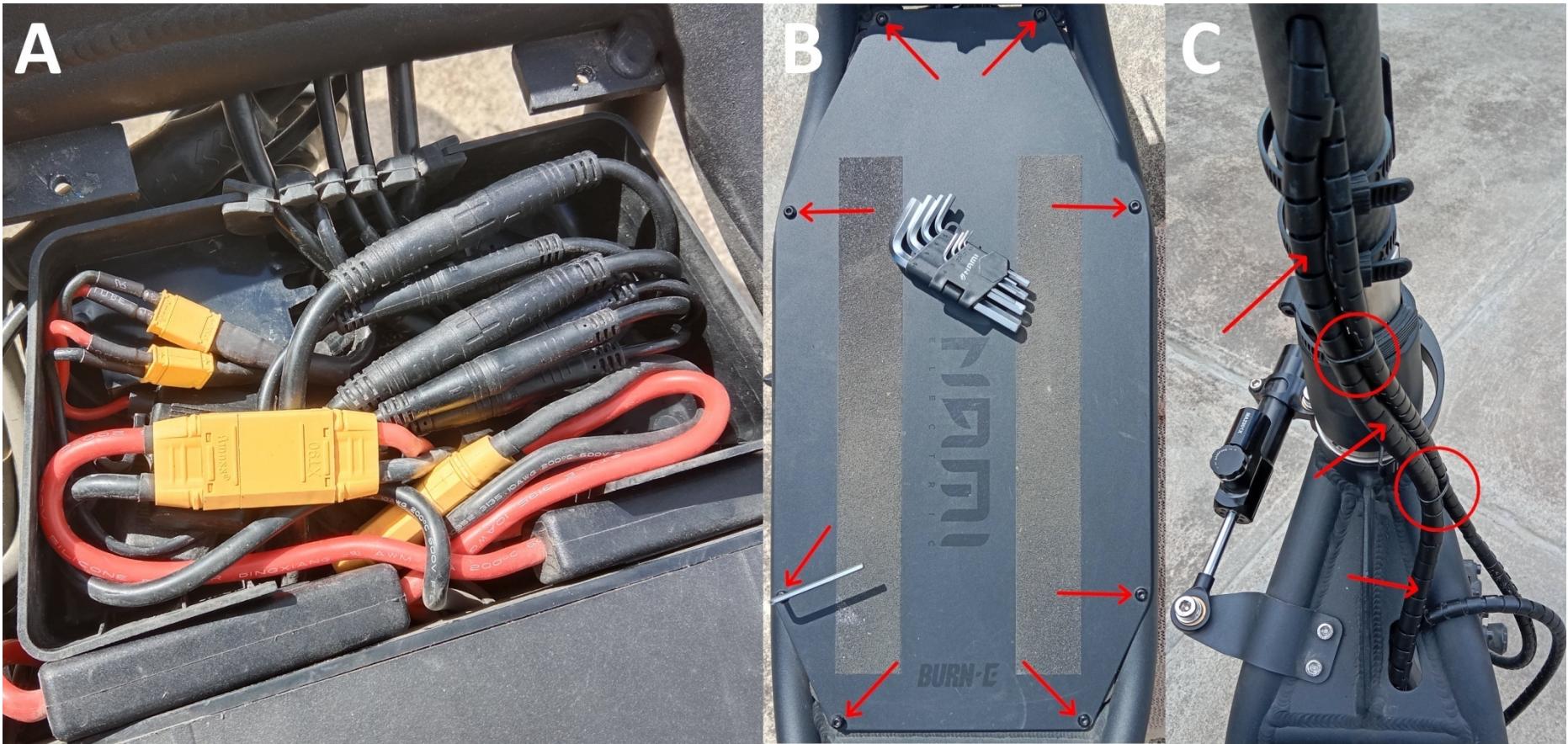


Image (A). Reinsert the main fuses between the battery and the cable tray, and then neatly arrange the cables in the cable tray.

Image (B). Reattach the deck making sure the foam separator is also installed.

Image (C). Wrap the cable protector back over the brake line and main harness cables, and secure it to the front brake line with two cable ties.

NOTE: Make sure to use Loctite when fastening the deck screws...careful and slowly thread the screws so that you don't strip the frame threads.

Front Turn Signal 3D Printed Extension



To fix the issue of the brake levers covering up the front turn signals, I designed and 3D printed some extensions. The extensions are 3cm lower and protrude out an additional 3cm lining them up with the headlight for perfect visibility.

An M3 20mm hex bolt and M3 Nylock nut is required to secure the extension to the bracket.



Here is the final result of the front turn signals along with some basic cable management. The signals are no longer obscured by the brake levers and are positioned for optimal visibility.



Here's a close up of the signal extension and brake lever position.

Nami Rear Turn Signal Kit

Rear Turn Signal Kit



A 5 Pin 1 Male to 2 Female Y Connector is required when using the old harness

- 1 = Inner Fender**
- 2 = Rear Turn Signals**
- 3 = Turn Signal Harness**

Note: The Turn Signal Harness has an additional cable (Female Green) specifically for the rear turn signals

8 9



- 1 = Horn (Female Red)
- 2 = LED Strip (Female Green)
- 3 = Rear Turn Sinal (Female Green)
- 4 = 84v to 12v Converter (Male Yellow)
- 5 = Controller A Throttle (Female Yellow)
- 6 = Controller A (Male Black)
- 7 = Controller B (Male Black)
- 8 = Main Harness Connection (Female Black)
- 9 = Main Harness Connection (Male Black)

Note: (2 & 3), (6 & 7) are interchangeable

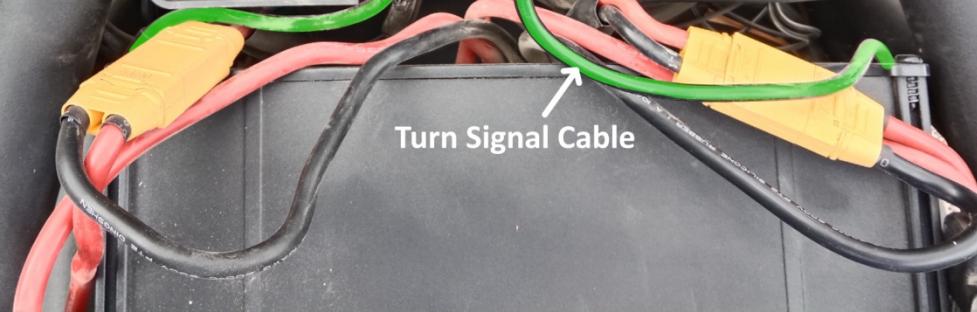
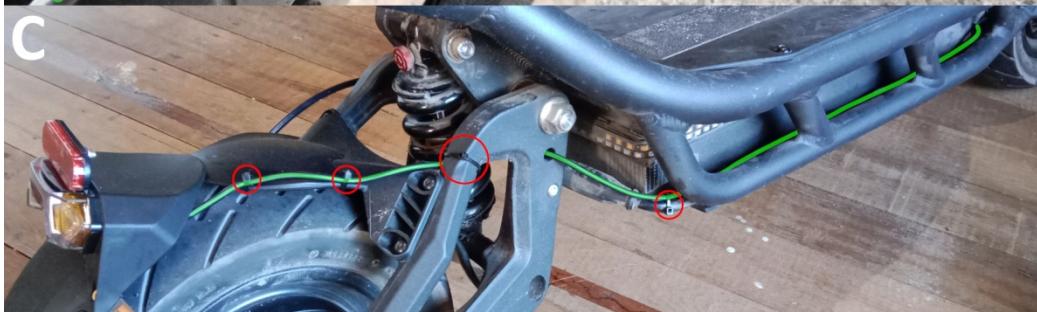
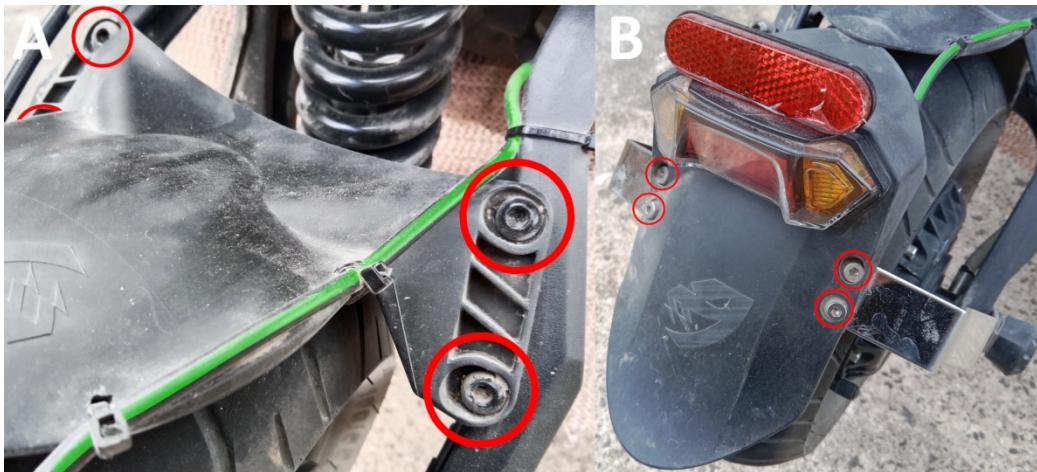


Image (A). Attach the Inner fender via the marked 4 bolts.

Image (B). Attach the Rear Turn Signal/Fender to the fender brackets (some aligning of the brackets are necessary to line the bolts up).

Image (C). Feed the signal cable through the swingarm and along the frame next to the battery towards the cable tray under the deck. Add some cable ties to secure the cable.

Image (D). Lift up the two main fuses to see between the tray and battery. This is where the LED strip cable is routed...mirror this with the newly routed rear turn signal cable. Connect the rest of the plugs to the turn signal/controller harness and test. If all is working correctly, reinsert the main fuses between the battery and the cable tray, and then neatly arrange the cables in the cable tray and reassemble the scooter.