



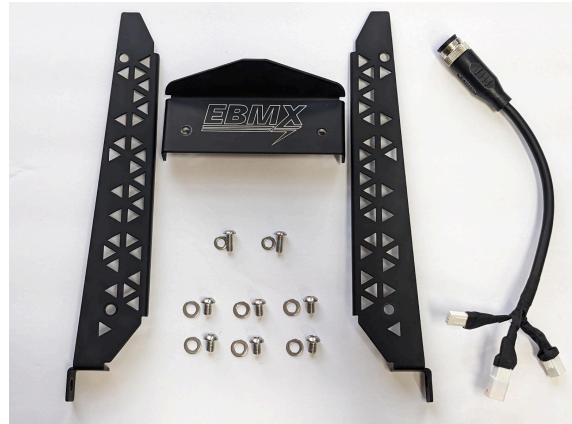
EBMX X-9000
Installation Guide

Bike: ReRode R1

V1.1

EBMX ReRode R1 Kit Contents:

1. Top Trim Plate
2. Side Plate Trim - Left
3. Side Plate Trim - Right
4. Side Trim Plate Mounting Hardware - 6 Mushroom Cap Screws & 6 Washers
5. Top Trim Plate Mounting Hardware - 2 Mushroom Cap Screws & 2 Washers
6. ReRode R1 Adaptor (X-9000 Adaptor)

**EBMX X-9000 Kit Contents:**

1. X-9000 Controller
2. 1-2 Harness
3. SW102 Display
4. Bluetooth Module
5. Thumb Throttle
6. 5 Bolts, 5 Flat Washers, and 5 Lock Washers

Please observe the picture to familiarize yourself with how everything will connect together.

**Required Tools and Other Parts (not supplied):**

1. 2.5mm, 3mm, 4mm, 5mm Hex Key, T Handle or Socket
2. Electrical or Tessa Tape

IMPORTANT PRIOR TO INSTALL

Ensure the key switch is OFF; Breaker is in the OFF position and the battery is REMOVED.

Please review the ReRode R1 owners manual if you are not familiar with this process.

Step 1: Use a 5mm hex key to remove the (2) front skid plate mounting bolts. This will allow you to hinge the skid plate down.

Optional: Remove the (2) rear mounting bolts to completely remove the skid plate. This will give you more working space.



Step 2: Use a 4mm hex key to remove the (2) bolts that secure the top trim plate.

The trim plate and bolts will not be reused.



Step 3: Use a 4mm hex key to remove the (2) lower controller mounting bolts.

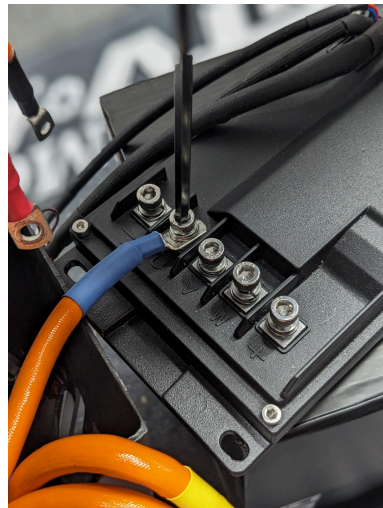
The lower bolts will not be reused.



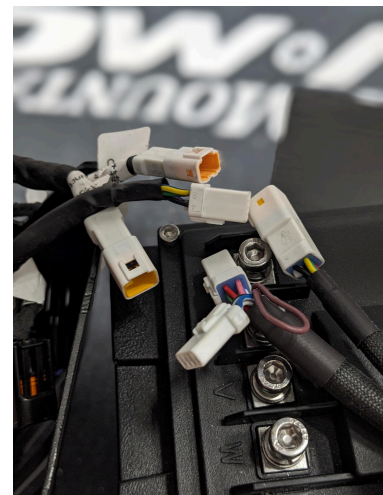
Step 4: Use a 5mm hex key to remove the (2) upper controller mounting bolts.



Step 5: Use a 5mm hex key to remove the (3) bolts securing the phase wires to the controller, and the (2) bolts securing the positive and negative.



Step 6: Disconnect the 3 connectors from the controller and set the OEM controller aside.



Step 7: Use the X-9000 box to support the X-9000 while using a 5mm hex key to install the (3) phase wires to the controller.

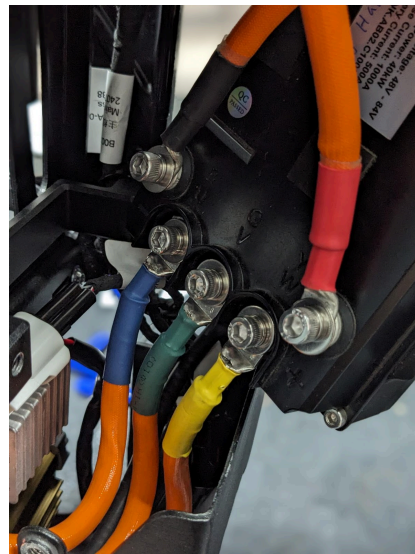
Blue to B, Green to G and Yellow to Y.

Be sure to use a spring and a flat washer on each bolt.



Step 8: Use a 5mm hex key to install the (2) battery harness wires. *Make sure the + wire coming from the breaker goes to + on the controller and ground wire goes to - .*

Be sure to use a spring and a flat washer on each bolt.



Step 9: Remove the key switch plate with a 5mm hex key so that you can run the 2 to 1 cable up to your handlebars in the upcoming steps.

Note: When plugging in the connectors in the upcoming steps, take your time. Make sure the arrows are aligned and the connectors are plugged in fully. **DO NOT FORCE THEM.**



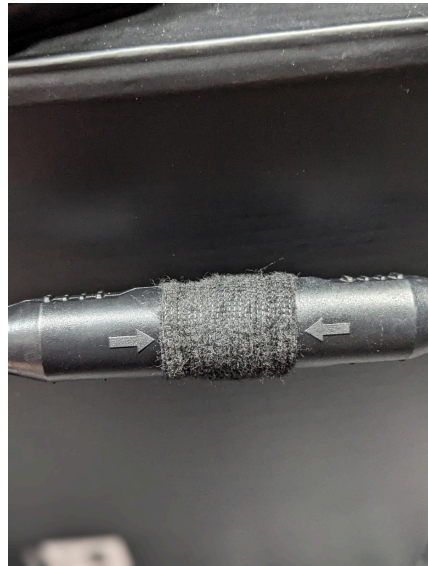
Step 10: Route the X-9000 cable that plugs into the 2 to 1 cable and the X-9000 cable that plugs into the bluetooth module up by the breaker.

You can run the remaining 2 cables down into the skid plate. One will be used for the ReRode adapter and the connector with the cap on it will not be used for this install.



Step 11: Plug the ReRode adapter into the X-9000 making sure the arrows align. Use Tessa or Electrical tape on this connector since it will be in the skid plate.

The 3 white connectors on the other side of the adapter will be plugged in later.



Step 12: Use a 5mm hex key to loosely install the top controller mounting bolts.



Step 13: Verify the X-9000 bluetooth and 2 to 1 connector can be easily accessed.



Step 14: Mount the SW102 display and optionally the thumb throttle to the bars if you would like to be able to control regen braking with your thumb.



Step 15: Plug the 2 to 1 cable into the display and thumb throttle. Carefully route the 2 to 1 cable under the ignition plate and plug it into the X-9000. Plug in the Bluetooth Module.

Make sure the arrows align and the connectors are plugged in fully.



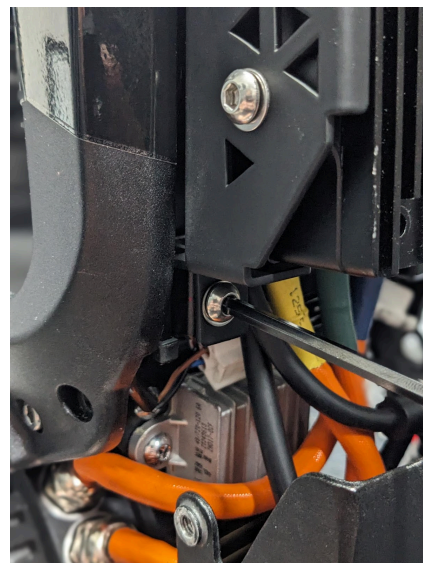
Step 16: Carefully arrange the connectors and Bluetooth module behind the breaker.



Step 17: With the top (2) controller mounting bolts still loose, loosely install the (4) side trim bolts and washer using a 4mm hex key.



Step 18: Use a 4mm hex key to install the (2) lower controller mounting bolts and washers. You can now fully tighten the (2) top controller bolts and the (6) bolts that hold on the trim plates.



Step 19: Reinstall the key switch plate with a 5mm hex key.



Step 20: Use a 3mm Hex key to install the (2) bolts and washers that hold the top trim in place.



Step 21: Connect the (3) white connectors from the Rerode R1 X-9000 adapter to the Rerode OEM harness.

Carefully tuck the wires into the skid plate and then use a 5mm hex key to reinstall the skid plate.

Please be sure to check that all of your bolts are secure before reinstalling the battery and setting the new controller up.



<p>X-9000 App Setup and Settings:</p> <p>1. Download the X-9000 App on your phone</p> <p>Android:</p> <p>https://play.google.com/store/apps/details?id=com.ebmx.ridecontrol</p> <p>Apple:</p> <p>https://apps.apple.com/us/app/ebmx/id1660497388</p> <p>Flip the breaker on, turn the key switch on and connect to the bike.</p> <p>2. Check for firmware updates on the firmware page.</p> <p>3. Go to the Throttle page in the app. Turn the thumb throttle to off if you will not be using it.</p> <p>4. Go to the calibration page and do a twist throttle calibration.</p> <p>5. Go to the general page in the app. Select ReRode for the Bike, 20s for the battery series, ReRode Battery for the Battery model, and the ReRode motor.</p> <p>IMPORTANT you must select the correct battery to ensure the pre programed settings are loaded onto your controller</p> <p>6. Complete the motor calibration when prompted.</p>	<p>Max Settings:</p> <p>95 Battery Amps</p> <p>10KW</p> <p>500 Phase Amps</p> <p>25% Field Weakening (Calibration Page)</p> <p>25% Regen</p> <p>Stock tire height 615 mm</p> <p>Stock Gear Ratio 7.60</p> <p>Field Weakening adds additional battery amps and KW, so peak output will be higher than 10kw / 95 battery amps.</p>
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