

Assembly Instructions for the CF Racer1 Add-on Battery

This written guide will walk you through assembling and attaching the CF Racer1 Dual Battery Add-On

Refer to the YouTube assembly video by scanning the QR code below:



Materials Needed

- Add on Battery
- Dual Battery Splitter
- Add on Battery Connector Cable
- Bolts & Washers
- Cable Guide Sticker
- Ride1Up Hex Key Set (provided with bike)
- Screwdriver
- Torx Screw Set
- Torque Wrench
- Picks (optional)

Step-by-Step Instructions

Step 1: Remove Bottom Bracket Cover & Non-Drive Side Crank Arm

1. Ensure the bike is stable on the ground upside down resting on the saddle and handlebars.
2. Using a 4mm Hex Key, unscrew the bottom bracket cover found on the bottom of the downtube.
3. Using a 6mm Hex Key, unscrew the non-drive side crankarm retention bolt.
4. Using a 5mm Hex Key, unscrew the two crank arm bolts found on the opposing ends of the crankarm.
5. Remove the non-drive side crank arm and place it on a clean flat surface.

Step 2: Remove Chain and Crank.

1. Release tension on the chain by pulling the rear derailleur pulley cage towards the chainwheel.
2. Remove the chain, ensuring to not scratch crank arms. Let the chain hang from the rear derailleur.
3. Placing your hand around the cranks, gently pull on the crank. Make sure to catch the seal on the torque seal on the non-drive side during removal.
4. Place the crank and seal on a clean flat surface.

Step 3: Removing Bottom Bracket Housing

1. Using 2mm Hex Key, unscrew the screw on the bottom bracket housing, making sure to fully loosen.
2. Insert fingers through the drive-side and put upwards pressure on the bottom bracket cover.
3. Using a screwdriver, gently pry the bottom bracket cover up and remove.
4. You should now have access to the wiring harness.

Step 4: Unplug existing wiring for controller

1. Access the main battery cable (black), controller cable (yellow two pin with gray end sleeve) and communication cable (small yellow two clip with black sleeve).
2. Unplug controller cable (yellow two pin with gray end sleeve)
3. Connect Dual battery splitter to establish add-on connection points to existing controller cable on the bike.
4. Connect Add on connector cable to establish end point to Add on battery.
5. Gently and carefully stow away all cables into the bottom bracket slot with the end point of Add on Connector sticking out.

Step 5: Installing Bottom Bracket Housing

1. Grab your bottom bracket housing and squeeze from both ends to adjust size until the cover is at its smallest length.
2. Using a 2mm hex key, tighten the screw to ensure housing does not change in size.
3. Holding the cover diagonally, install the bottom bracket housing back to its original position.
4. Align the housing straight and using a 2mm hex key, loosen screw to adjust housing size to touch both ends of the frame.
5. Install Bottom Bracket Cover and use a 4mm hex key to tighten cover back to 3nm the frame.

Step 6: Reinstalling the Cranks and Chain

1. Clean and Grease spindle, crank arms and bottom bracket.

2. Install the Crankset by sliding in the drive-side crank and spindle through the bottom bracket.
3. Align the non-drive side crank arm opposite (180 degrees) to the drive side.
4. Secure the cranks by inserting and hand-tighten the crank bolts to avoid cross threading.
5. Ensure that any spacers or seals that were removed during disassembly are properly placed.
6. Tighten crankset pinch bolts in even increments.
7. Torque bolts to manufacturer's specifications.
8. Place the chain back onto the chainring and spin the cranks to ensure smooth movement.
9. Flip the bike right side up on-to wheels and place it within a bike stand.

Step 5: Installing Add-on Battery

6. Using Torx wrench, unscrew existing bottle cage screws on the seat-tube of your bike.
7. Install provided Add-on battery holder and screw torx screws to 4nm.
8. Unstrap and place the Add on Battery securely within the battery holder with connection points facing down.
9. Align the end of the battery connector cable to the bottom of the Add On battery slot and spin the washer for a snug and secure fit.
10. Use the Cable Guide sticker to hold the add on battery cable snug against the frame.
11. Turn the bike on and ensure all electronics and ride modes are working correctly.

Final Steps & Review

- Ensure all bolts are tightened securely.
- Test the bike to ensure all ride modes are working correctly.

For any questions or additional assistance, please contact customer support.