RAD POWER BIKES™

2019 RadMini Rear Rack Installation Instructions

RadMini rear rack kits include:
- Rear rack
- Zip ties
- Mounting hardware including:
  - 2 - 33 mm long bolts (for rack lowers)
  - 2 - 28 mm long bolts (for rack uppers)
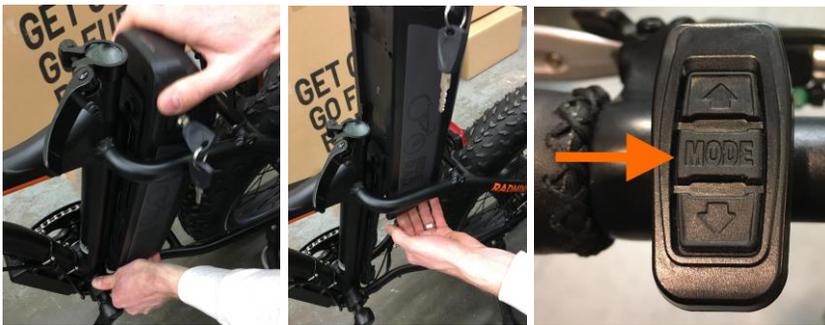 - 2 - washers
  - 2 - lock nuts

Tools needed:
- Flat side cutters
- 5 mm Allen wrench
- 10 mm wrench

Installation instructions:
These instructions detail the rack installation on the 2019 RadMini. For installation on a 2018 RadMini, see only relevant steps: 1, 4, 5, and 11.

1. **Power off the bike.** Ensure the bike is in the off position, remove the seat, and use the key to remove the battery. Once removed, press and hold the "MODE" button on the LCD Display Remote until the display remains off for about two seconds (it may flash on briefly). This ensures the power is fully discharged from the bike and it is safe to work on.

2. **Disconnect the tail light cable.** Pull the connector directly apart without twisting to unplug.
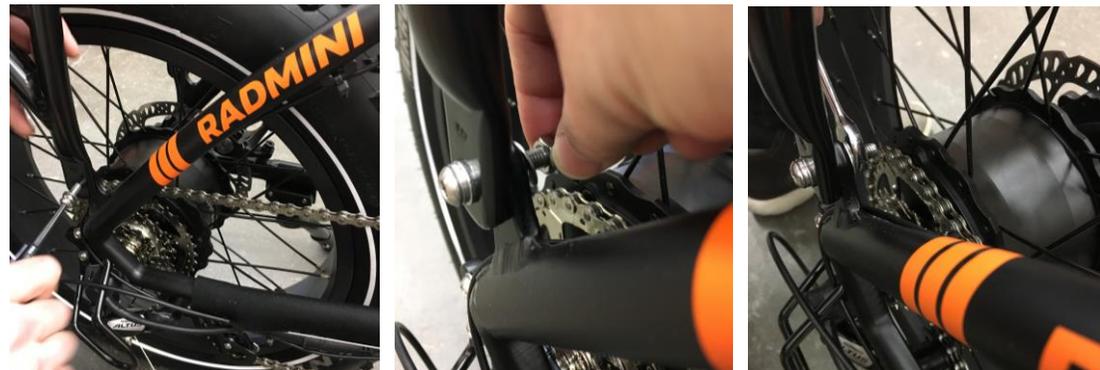
3. **Remove the tail light mounting bracket**. Use a 5 mm Allen wrench to remove both bolts. Set the bracket/tail light aside.

4. **Attach the upper mounting points.** Place the rack in position and attach the upper and lower mounting points using the shorter, 28 mm long bolts. Thread each bolt into the mounting point on the rack and then the frame carefully by hand. Use a 5 mm Allen wrench to torque to 7 Nm.

5. **Attach the lower mounting points.** Thread the two remaining (33 mm long) bolts into the mounting point on the rack and then the frame carefully by hand. Use a 5 mm Allen wrench to torque to 7 Nm. Once the bolts are tight against the rear rack lower, install a washer and then thread a lock nut onto the bolt end. Use a 10 mm wrench to torque the lock nut to 7 Nm.

6. **Remove the tail light from the mount.** Use a 10 mm wrench to remove the lock nuts and washers holding the tail light to the light mount. Set the lock nuts and washers aside for reinstallation.

7. **Attach the tail light to the rack mount.** Place the tail light in position on the tail light mounting plate on the rear rack. Install the washers and thread the lock nuts onto the bolt ends by hand. Use a 10 mm wrench to tighten the lock nuts and attach the light securely.
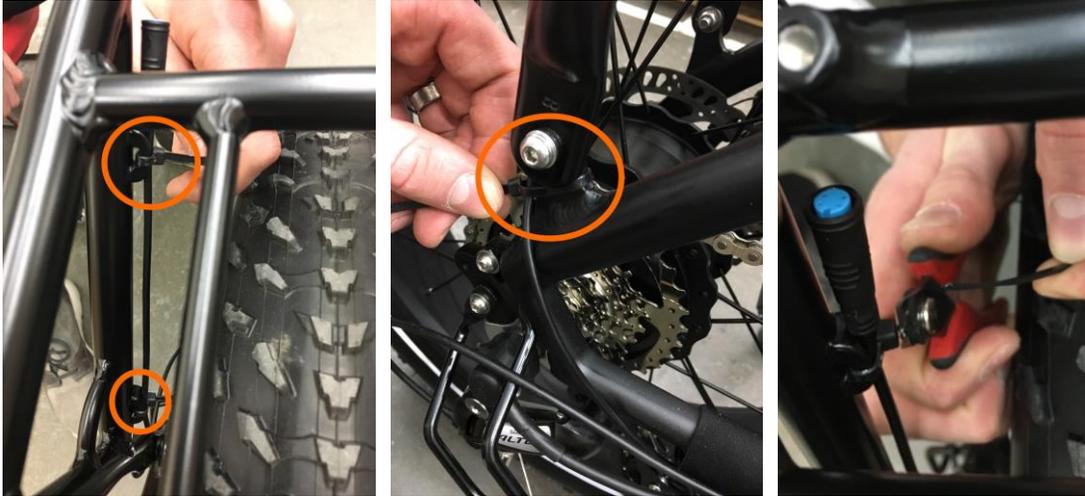

8. **Snip the two zip ties holding the tail light cable onto the seatstay** taking care to not damage the cable housing or wires.

9. **Connect the tail light.** First, ensure the tail light cable runs from the chainstay, outside the derailleur bash guard, and along the inside of the rear rack. Fully seat the connection by aligning the notches and pins on the inside of the connector, and the arrows on the outside, and pressing the two sides of the connector together without twisting.

10. **Secure the cable to the rack.** Starting near the light at the back of the rack, align the cable with the two cable guides along the inside of the rear rack. Keep the cable taught enough to remain clear of the rear wheel spokes, but not so tight the cable could be damaged by over-stretching. Use zip ties to attach the cable connector to the rack at the guides. Next, secure the cable to the rack mounting point just below the rack dropout, by wrapping a zip tie around the mounting point. Use a flat side cutter to snip off zip tie excess.

11. **Test the bike and tail light fully. Reinstall the battery, test the bike and tail light fully, and have your work inspected by a certified, reputable bike mechanic before continuing to Ride Rad!**

Contact Rad Power Bikes Technical Support if you have any questions!
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