

## 2019 RadRover Rear Rack Installation

### RadRover rear rack kits include:

- Rear rack
- Tail light extension cord
- Zip ties
- Mounting hardware including:
  - 4 - 28 mm long mounting bolts
  - 2 - washers
  - 2 - lock nuts

### Tools needed:

- Flat side cutters
- 8 mm wrench
- 4 mm Allen wrench
- A torque wrench

### Installation instructions:

These instructions detail the rack installation on the 2019 RadRover. For installation on a 2018 or 2017 RadRover, see only relevant steps: 1, 4, 5, 6, and 12.

1. **Power off the bike.** Ensure the bike is in the off position 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.



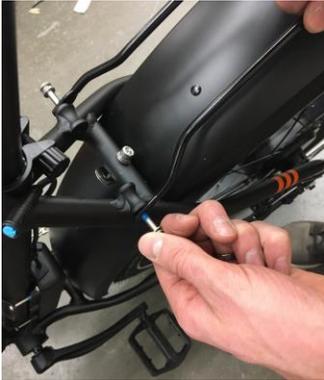
2. **Disconnect the tail light cable.** Snip the zip tie holding the tail light cable and connector in a bundle and pull the connector apart without twisting to unplug.



3. **Remove the tail light mounting bracket.** Use a 4 mm Allen wrench to remove both bolts. Set the bracket/tail light and the bolts aside.



4. **Attach the upper mounting arms.** Place the rack in position and attach the upper mounting arms to the mounting points using two included bolts. Torque to 7 Nm.



5. **Attach the rear rack lowers** to the mounting points on the frame (at the seat stay). Thread a bolt into the lower mounting point on the rack and the seat stay of the frame. Use a 4 mm Allen wrench to tighten. Once the bolt is tight against the rear rack lower, install a washer and then thread a lock nut onto the bolt end. Repeat on the other dropout. Use a 4 mm Allen wrench and 8 mm wrench to torque to 7 Nm.



6. **Adjust the rack to be level** by using a 4 mm Allen wrench to loosen the two bolts on the upper mounting arm clamp. Once loose, slide the rack forwards or backwards to adjust the rack angle. To secure, torque the mounting arm clamp bolts to 7 Nm.



7. **Remove the tail light from the mount.** Use an 8 mm wrench to remove the two lock nuts and washers holding the tail light to the light mount. Set aside for reinstallation.



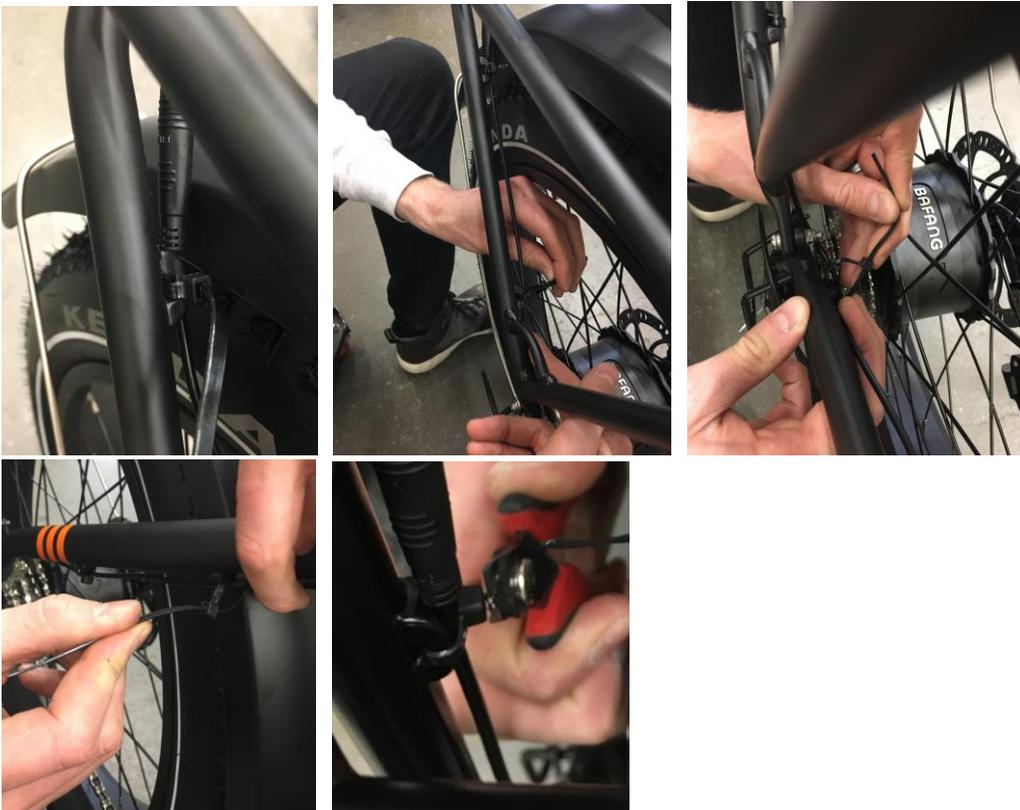
8. **Attach the tail light to the rack mount.** Place the tail light in position on the tail light mounting plate on the rear rack. Install the washers and thread the lock nuts onto the bolt ends by hand. Use an 8 mm wrench to tighten the lock nuts and attach the light securely.



9. **Connect the cable extension to the tail light.** Locate the appropriate end of the tail light cable extension, align the notches and pins, and press the two sides of the connector together without twisting to fully seat the connection.



10. **Secure the cable extension to the rack.** Align the cable extension with the cable guides along the rear rack. Keep the cable taut enough to remain clear of the rear wheel spokes, but not so tight the cable could be damaged by over-stretching. Starting near the tail light at the back of the rack, use zip ties to attach the cable to the rack. Working towards the seat post, attach the cable to the cable guides securely using zip ties. Use a flat side cutter to snip off zip tie excess.



11. **Connect the cable extension to the controller.** Align the notches and pins on each side of the connector and press the two sides together without twisting to fully seat the connection. Bundle any excess cable loosely, secure with a zip tie, and use a flat side cutter to snip off zip tie excess.



12. **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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