

MY20 Rail FAQ (2.24.2020 update)

1. How does Rail compare to last year's Powerfly LT? Is the geometry different?

- The customer for Rail is the same as the customer for Powerfly LT, but the bikes are different. The new Bosch motor is 48% smaller than the previous version on Powerfly LT. That allows us to make the chainstays shorter for more nimble handling and easier cornering. Rail has a longer reach and slacker head tube angle than Powerfly LT, so it's more stable on steep descents.

2. Last year's Powerfly LT rode on midfat 27.5" wheels. The New Rail moves to 29" wheels which helps improve roll over and preserve momentum.

- All models have forks optimized for e-MTB use with oversized crowns for added front-end stiffness. Select models get RE:aktiv with Thru Shaft shocks that react to the terrain faster than any other shock for amazing control and grip.
- Most Rail models come with a new, larger 625 watt-hour battery. Along with the increased efficiency of the new motor, that extends the range so riders can get more laps on their favorite descents.

3. Can models with 500wh batteries be upgraded to the 625wh battery?

- Yes. Rail 5 is compatible with the larger 625wh battery.

4. What is the max tire size?

- 29x2.60"

5. Is Rail compatible with 27.5 Plus tires? What about standard-width 27.5?

- No. Since Rail is designed around 29" wheels, using any width 27.5" wheels will lower the bike too much, resulting in increased pedal striking and an all-around bad time.

6. What is the hub spacing?

- Boost110 up front, Boost148 out back

7. What is the maximum chain ring size?

- 34T

8. What is the max fork axle-to-crown?

- 580mm, which is commonly 170mm travel

9. In which Mino Link position does the bike ship?

- Low

10. What size is the seat post clamp?

- Rail uses a 36.4mm seat collar.

11. What is the rear brake mount? What is the max rotor size?

- 180mm mount, 203mm compatible

12. Can I use a shock with a longer stroke to increase the rear travel?

- No. Doing so will void the warranty. The seat stay will smash the back of the seat tube under full compression.

13. How much dropper post insertion length does the frame have?

- Small – 220mm
- Medium – 230mm
- Large – 260mm
- X-Large – 300mm

14. Are these bikes tubeless compatible? What additional parts are required?

Model	Included TLR Parts	Notes	TLR strip	TLR valve	TLR sealant (3oz bottle)
Rail 5	wheels, tires, strips	add valves and sealant	Included	546195	582231
Rail 7	wheels, tires, strips	add valves and sealant	Included	W527257	582231
Rail 9	wheels, tires, strips	add valves and sealant	Included	W527257	582231
Rail 9.7	wheels, tires, strips, valves, sealant	sealant in NIP box, does not include tubes	Included	Included	Included
Rail 9.8	wheels, tires, strips, valves, sealant	sealant in NIP box, does not include tubes	Included	Included	Included
Rail 9.9	wheels, tires, strips, valves, sealant	sealant in NIP box, does not include tubes	Included	Included	Included

15. What if I need to replace the battery or battery cover?

- Rail uses a stock Bosch Powertube battery. The frame cover and battery are one-piece, but can be separated. Trek will sell frame color-matched covers through Trek retailers for replacement or for those that want to have a second battery that can be swapped out quickly.

16. What if the battery feels difficult to remove or install?

- Most likely, the battery mounts in the frame are misaligned. Instructions for aligning the battery can be found on the Tech Site under the Service Bulletins tab.

17. Are spare keys available?

- Yes. Spare keys are available through the lock manufacturer, ABUS. They'll need the key code printed on a card that's included with the bike. The key code can also be found in the Bosch diagnostic screen, which can be accessed by any authorized Bosch e-MTB retailer.

18. Is the frame compatible with rear racks or kickstands?

- Rear racks – no. Kickstands – 20mm rear chainstay mount (PN 528581)

19. What is the max pedal-assist speed?

- North America and New Zealand: 20 mph or 32 km/h
- Europe and APAC: 25 km/h

20. Can the system be changed to increase the max-assist speed?

- No. This is part of the motor's firmware and cannot be changed. Any other "hacks" attempting to increase max-assist speed will void the warranty and puts the user at risk for violating local laws governing e-bikes.

21. Is it compatible with Range Boost?

- No.

22. Will the bike support e-Shift integration with drivetrain (Shimano, Nuvinci, Rohloff)?

- Yes. Contact Bosch to acquire the correct wiring harness, and to have a customer service agent change the AppID file on the bike to support these integrated shift options.

23. Will walk assist/drive feature be enable-able?

- Yes. If it's not already enabled out of the box, it can be with the retailer software.

24. Where can I legally ride this bike?

- Regulations on where eMTB bikes can be ridden legally vary by region and whether the land is federally, state, province, county or privately owned. Trek promotes a position that safely guides eMTB users towards trails that won't be questionable: E-MTBs are approved for use on trails that allow pedal-assist or motorized vehicles. You are responsible for knowing and complying with all regulations and use laws.

