



HPR Range Extender V01 160 Wh



Instrukcja obsługi

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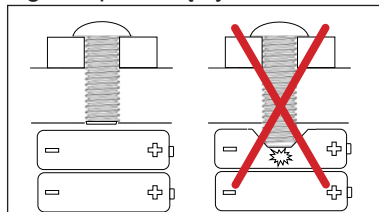
3 Obsługa

3.1 Instalacja Range Extendera w e-bike

Konstrukcja systemu montażu urządzenia Range Extender na rowerze elektrycznym zależy od producenta. Ta sekcja pokazuje, jak zamontować Range Extender na dolnej rurze roweru elektrycznego za pomocą systemu FIDLOCK®.

Make sure especially in case of retrofit that no components of the e-bike such as the battery or wiring harness are damaged when installing the Range Extender.

Pay special attention to the following points:



— Montaż urządzenia HPR Range Extender może być wykonywany wyłącznie przez autoryzowanych dealerów. Personel musi być odpowiednio wykwalifikowany, np. poprzez szkolenie w zakresie mechatroniki dwukołowej. Musi on być w stanie rozpoznać możliwe zagrożenia podczas montażu. W przeciwnym razie istnieje ryzyko, że Range Extender lub inne akumulatory litowo-jonowe w rowerze elektrycznym zostaną uszkodzone lub że Range Extender poluzuje się podczas jazdy z powodu niewłaściwego zamocowania.

— Wybór odpowiednich łbów śrub i długości śrub.

— Wybór pozycji zalecanych przez producenta roweru w celu lepszego zamocowania.

3.1.1 Mocowanie podstawy rowerowej FIDLOCK® do roweru elektrycznego

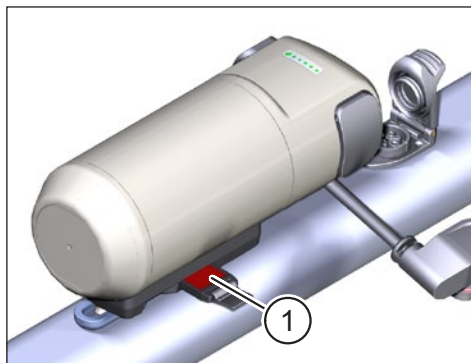
⚠ OSTRZEŻENIE

Zagrożenie pożarem z powodu uszkodzenia akumulatora wewnątrz ramy roweru elektrycznego spowodowanego przez użycie zbyt długich śrub.

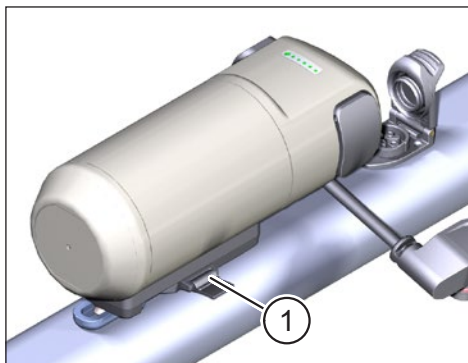
► Do mocowania podstawy rowerowej FIDLOCK® należy używać wyłącznie śrub dostarczonych przez producenta roweru lub śrub z łbem kulistym ISO 7380-1 M5 × 10 A2

Użycie zbyt długich śrub może spowodować uszkodzenie akumulatora wewnątrz ramy roweru elektrycznego.

3.1.4 Blokowanie Range Extendera w podstawie rowerowej FIDLOCK



Rys. 5: System FIDLOCK® odblokowany



Rys. 6: System FIDLOCK® zablokowany

System FIDLOCK® jest nadal odblokowany po włożeniu Range Extendera. Ten stan jest wskazywany przez czerwone pole (poz. 1 na rys. 5) na zakładce blokującej.

- ▶ Wciśnij zaczep blokujący do oporu (patrz poz. 1 na Rys. 6), aby dokładnie zamocować Range Extender.

UWAGA

Ryzyko wypadku z powodu odblokowanego Range Extendera



- ▶ Przed każdą jazdą sprawdź podstawę rowerową FIDLOCK® i złącze FIDLOCK® Force Connector pod kątem zabrudzeń i uszkodzeń.

Więcej informacji na temat systemu FIDLOCK® TWIST i kompatybilnych akcesoriów można znaleźć na stronie <http://www.fidlock-bike.com/TQ>.

3.1.5 Connect the connection cable to the Range Extender

- ▶ Connect the plug (Pos. 1 in Fig. 7) of the connection cable to the socket (Pos. 2 in Fig. 7) in the Range Extender.
- ▶ Fasten the connector to the Range Extender with the M3 × 8 socket head screw (Pos. 3 in Fig. 7) included in the scope of delivery of the cable, with a torque of 1 Nm. Never use a longer screw. Otherwise there is a risk of damaging the electronics in the Range Extender.

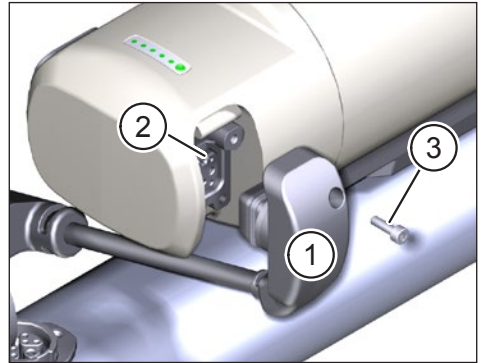


Fig. 7: Fasten the connection cable to the Range Extender

NOTE

Connecting cables are available in various versions with different cable lengths and connector orientations to meet the requirements of the respective installation situation.

- ▶ Enquire at the e-bike manufacturer about the connection cable you need.

3.1.6 Connect the connection cable to the charging port of the e-bike

- ▶ Unfold the cover (Pos. 1 in Fig. 8) of the charging port (Pos. 2 in Fig. 8) on the e-bike frame.
- ▶ Check that the terminals in the charging port are free of dirt and clean them if necessary.
- ▶ Align the connector (Pos. 3 in Fig. 8) of the connection cable so that the connector coding of the plug and charging port match.
- ▶ Insert the plug into the charging port and secure the plug with the cover (Pos. 1 in Fig. 8).

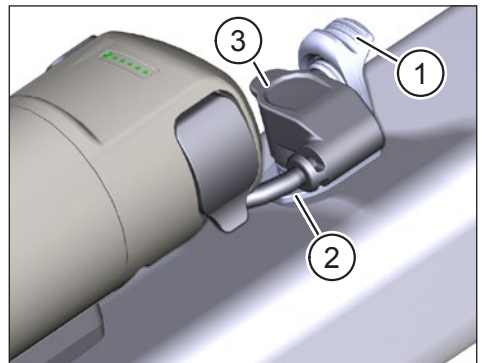


Fig. 8: Connect the connection cable to the charging port

CAUTION

Risk of accident due to free hanging connection cable on the Range Extender

- ▶ Always connect the Range Extender to the charging port of the battery in the bicycle frame when you have installed the Range Extender on the bicycle.

Otherwise there is a risk that the free hanging connection cable on the Range Extender will get caught in the pedals while riding and so leads to crash.

3.2 Range Extender charging

WARNING

Fire or electric shock hazard due to damage to battery, Range Extender, charger, cable and plug.

- ▶ Never charge the Range Extender if you notice any damage to the battery, Range Extender, charger, cables or connectors.
- ▶ Only perform the charging process in a place where there are no flammable materials in surrounding.
- ▶ Never leave the charging process unattended.

NOTE

- The drive system detects whether the Range Extender is connected to the charging port of the battery in the bicycle frame. In this case the drive system is deactivated during the charging process for safety reasons.
- The charging system detects whether the Range Extender is connected to the charging port of the battery in the bicycle frame. In this case both are charged, first the battery and afterwards the Range Extender.

CAUTION

Risk of accident due to activated drive system during the charging process

- ▶ Always connect the Range Extender to the charging port of the battery in the bicycle frame when you have installed the Range Extender on the bicycle.

This is the only way to ensure that the drive system is deactivated during charging. Otherwise there is a risk that you can start the drive system during charging and that the plugged-in charging cable will cause damage or leads to a crash.

- ▶ Connect the charger to the power supply.

- ▶ Unfold the cover (Pos. 1 in Fig. 9) on the charging port of the Range Extender.

- ▶ Check that the terminals in the charging port (Pos. 2 in Fig. 9) are free of dirt and clean them if necessary.

- ▶ Insert the charging plug (Pos. 3 in Fig. 9) of the charger into the charging port of the Range Extender.

- ▶ Pull the charger plug of the charger out of the charging port of the Range Extender when charging is complete.

- ▶ Close the cover on the charging port when charging is complete.

- ▶ Disconnect the charger from the power supply.

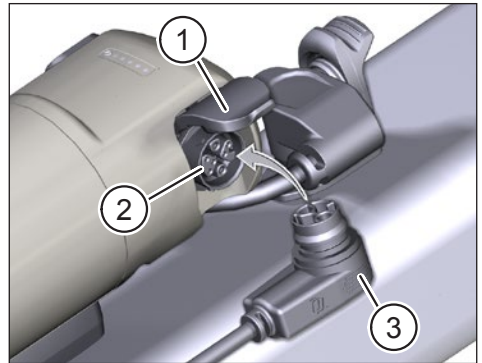


Fig. 9: Range Extender charging

3.3 Notes on Charging

NOTE

The temperature of the Range Extender must be within the permissible charging temperature range (0 °C to 40 °C / 32 °F to 104 °F). Otherwise the charging process will not start.

- The Range Extender can be charged directly on the e-bike or separately.
- The drive system is deactivated during charging when the Range Extender is connected to the battery charging port in the bicycle frame.
- The charging status of the Range Extender can be read on the display and on the 5 LEDs on the side of the Range Extender. Briefly cover the light sensor to the left of the LEDs with a finger to activate this display.
- New Range Extenders have a state of charge of 20% to 30% due to transport regulations and must be recharged within less than 6 months after manufacturing.
- The Range Extender should be recharged immediately after it has been completely discharged (state of charge <5 %).
- 1 charge cycle can consist of a full charge of the Range Extender capacity (0% to 100%) or several partial charges that add up to 100% of the charge capacity.
- The Range Extender capacity should be at least 60 % after 500 charging cycles.

4 Transport

- The transport of lithium batteries is subject to country-specific laws and regulations. Inform yourself about the respective regional regulations and observe them during transport.
- For transport observe the special requirements for packaging and labeling that apply in your country.
- Contact a TQ authorised bicycle dealer for information on transporting the Range Extender and suitable transport packaging. For transport outside the bicycle frame, we recommend a certified transport box.

5 Storage

- Store the Range Extender at room temperature (approx. 10 °C to 20 °C / 50 °F to 68 °F) and do not expose it to direct sunlight.
- Do not store the Range Extender near heat sources or other easily flammable materials.
- Store the Range Extender in dry rooms (humidity below 70 %) and protect it from rain and moisture.
- Store the Range Extender only in rooms equipped with smoke detectors.
- Charge the Range Extender to approx. 30 % to 60 % before storage.
- Check the Range Extender every 6 months and recharge it to approx. 30 % to 60 %.
- Fully charge the Range Extender before use.
- Do not store the Range Extender with the charger plugged in.

6 Cleaning

- Never immerse the Range Extender in water to clean it.
- Never clean the Range Extender with a water jet.
- Only clean the Range Extender with a soft, damp cloth.
- Please contact a TQ authorised bicycle dealer, if the Range Extender is no longer functional.

7 Maintenance and Service

All service, repair or maintenance work performed by a TQ authorized bicycle dealer. Your bicycle dealer can also help you with questions about bicycle use, service, repair or maintenance.

8 Environmentally friendly disposal

The components of the drive system and the batteries must not be disposed of in the residual waste garbage can.

- Dispose of metal and plastic components in accordance with country-specific regulations.
 - Dispose of electrical components in accordance with country-specific regulations. In EU countries, for example, observe the national implementations of the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE).
 - Dispose of batteries and rechargeable batteries in accordance with the country-specific regulations. In EU countries, for example, observe the national implementations of the Waste Battery Directive 2006/66/EC in conjunction with Directives 2008/68/EC and (EU) 2020/1833.
 - Observe additionally the regulations and laws of your country for disposal.
- In addition you can return components of the drive system that are no longer required to a bicycle dealer authorized by TQ.





NOTE

For more information and TQ product manuals in various language, please visit www.tq-ebike.com/en/support/manuals or scan this QR-Code.



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