

BATTERY TERMINAL OPTIMIZATION MEASURES QUICK GUIDE

Symptoms

Several e-bikes have increasingly encountered problems with the battery connector. As soon as moisture or dirt gets into the battery connector or friction corrosion occurs – e.g. because of too much play between the battery and the frame – a range of system failures can occur. The following steps must be taken so as to avoid these problems!



Affected battery types



Ultracore

1. Adjust the battery – tolerance issues

The battery mounts must be set precisely to ensure that the batteries have as little possibility of movement in the frame as possible. Please check them for minimal play before delivering the e-bikes.

We recommend adjusting the battery in all directions to a minimum play of less than 1.0 mm. In addition, the contacts of the battery and battery connector should interlock as completely as possible.

Please note: The following points / measures will be ineffective unless the battery tolerances are set to a minimum.

2. Clean of contacts of the battery and battery connector (affects all batteries)

Clean and degrease contacts of the battery connector and battery thoroughly. This is best done with contact cleaner. Then blow out the battery terminal with compressed air without leaving any residue.

3. Tools required

- 1 Household cloth / rag
- 2 Gasket Ultracore large (FIT article 501785)
- 3 Cleaning agent for degreasing



4. Mounting the battery seal (only for battery: Ultracore)

- 1 Degrease the adhesive surface with a mild cleaner and a household cloth



- 2 Attach the seal



- 3 Smooth out



- 1 Glue flush to battery edge
- 2 Leave the gap above the plug free

| Article | Image | Availability |
|---|---|------------------------------|
| 501785 FIT seal for Ultracore battery |  | Available in the FIT E-Shop. |
| 501630 Polspray Atlantic |  | Available in the FIT E-Shop. |
| 501422 FIT protective cap for plug connectors |  | Available in the FIT E-Shop. |

Note: These instructions can be downloaded at any time from the FIT e-shop under «OPERATING INSTRUCTIONS» can be downloaded.