

Fastening the retaining plates (CCP) to the BDU4xx Drive Unit

**BOSCH**

Invented for life



Working steps


Indications

User notices loose screw connections between Drive Unit and retaining plate **A**

- ▶ Creaking / clicking noises from the drive area
- ▶ Drive Unit position can be moved with force

Check retaining plates

1. Remove Drive Unit as described in the Bosch eBike manual
2. Secure Drive Unit horizontally on a soft work surface, if necessary by a second person

-  Prevent rotation of the Drive Unit during work to avoid damage or injury and to ensure that the specified tightening torque is maintained
- 3. Check by hand whether retaining plates **A** can be moved or have moved

Fixed retaining plates

- ▶ Begin with the retaining plates that have not moved and cannot be moved

1. Screw out each screw individually by 8 – 9 threads **B**



Do not loosen the second screw until the first is tightened and secured



Self-tapping screws. Never unscrew completely because repeated insertion could damage the formed thread

2. Apply a drop of thread locking compound **C**. Wipe off any excess compound from the screw head/retaining plate
3. Tighten the screw with torque wrench **D**



Never exceed the specified tightening torque, there is otherwise a risk of thread breakage in the magnesium housing

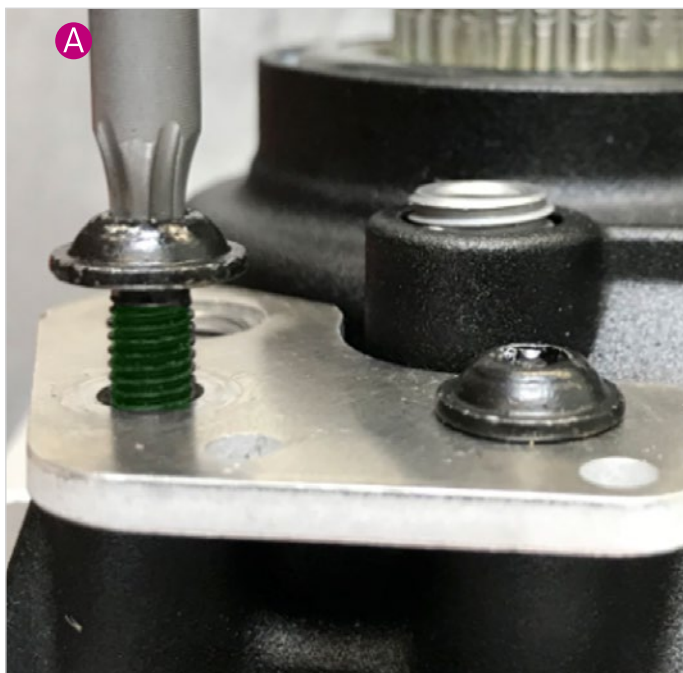
Tool

- ▶ High-strength thread locking compound such as Loctite 290 / 294
- ▶ Torx Plus 25 IPR
- ▶ 1 – 10 Nm torque wrench

Tightening torques


- ▶ Screws on retaining plate:
 $8^{+0}_{-0.3}$ Nm





Working steps

Movable retaining plates

- ▶ On retaining plates that are moveable
- 1. Unscrew both screws by 8 – 9 threads **A**
-  Self-tapping screws. Never unscrew completely. Repeated insertion could damage the thread formed in the magnesium housing
- 2. Apply a drop of thread locking compound **B** on each screw. Wipe off any excess compound from the screw head/retaining plate
- 3. Position the retaining plate as centrally as possible under one of the screws and tighten the screw slightly **C**
- 4. Fasten the retaining plate as centrally as possible under the second screw. Tighten the screw with torque wrench **D**
- 5. Also tighten the first screw with a torque wrench



Never exceed the specified tightening torque, there is otherwise a risk of thread breakage in the magnesium housing

- ▶ Repeat the procedure with the remaining retaining plates

Reinstalling Drive Unit

- ▶ Remove the Drive Unit as described in the Bosch eBike manual
- ▶ If the mounting holes in the bicycle frame are not aligned with the retaining plates and the mounting screws cannot be screwed in:
 - Correct the position of the corresponding retaining plate as described above.
 - The process must be completed after approx. 10 minutes, before the thread locking compound hardens



If these instructions are followed carefully, the warranty remains valid

Tool

- ▶ High-strength thread locking compound such as Loctite 290 / 294
- ▶ Torx Plus 25 IPR
- ▶ 1 – 10 Nm torque wrench

Tightening torques

- ▶ Screws on retaining plate:
8⁺⁰_{-0,3} Nm

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