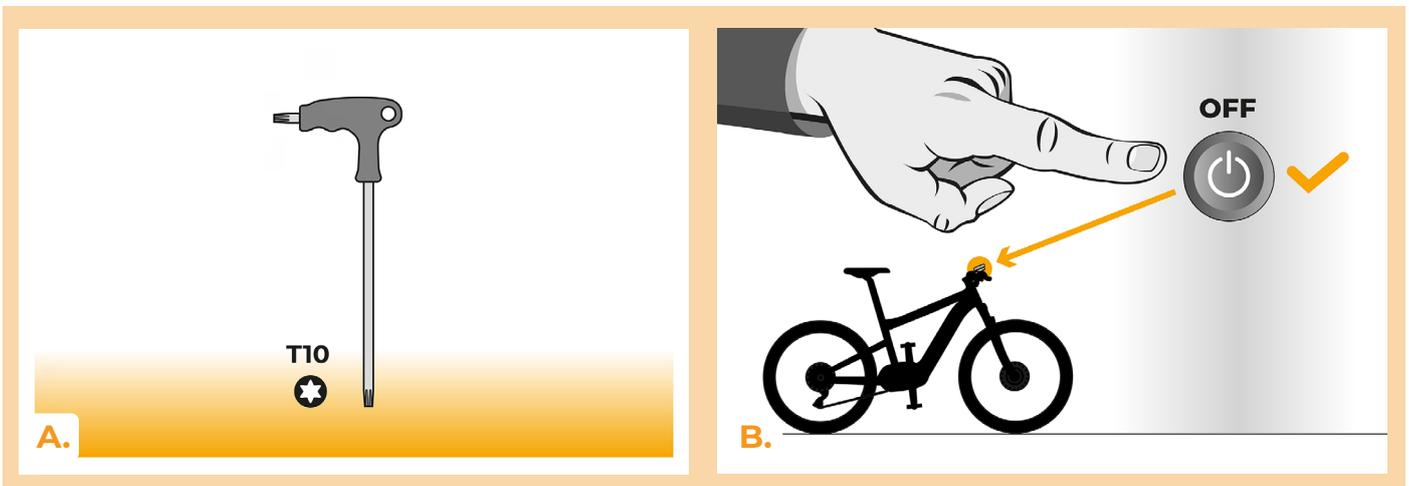# SpeedBox 3.2 B.Tuning for Brose
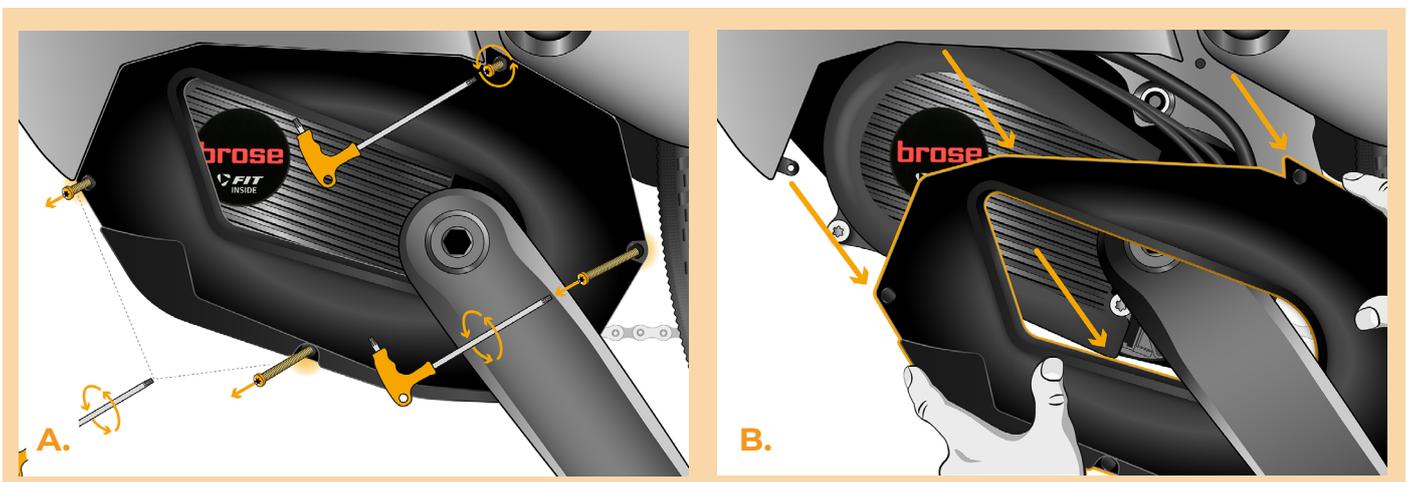
STEP 1: Preparation for installation

A. Prepare the following tools:
(The tools and assembly procedure may vary depending on the type of e-bike construction!)
1. Torx screwdriver T10
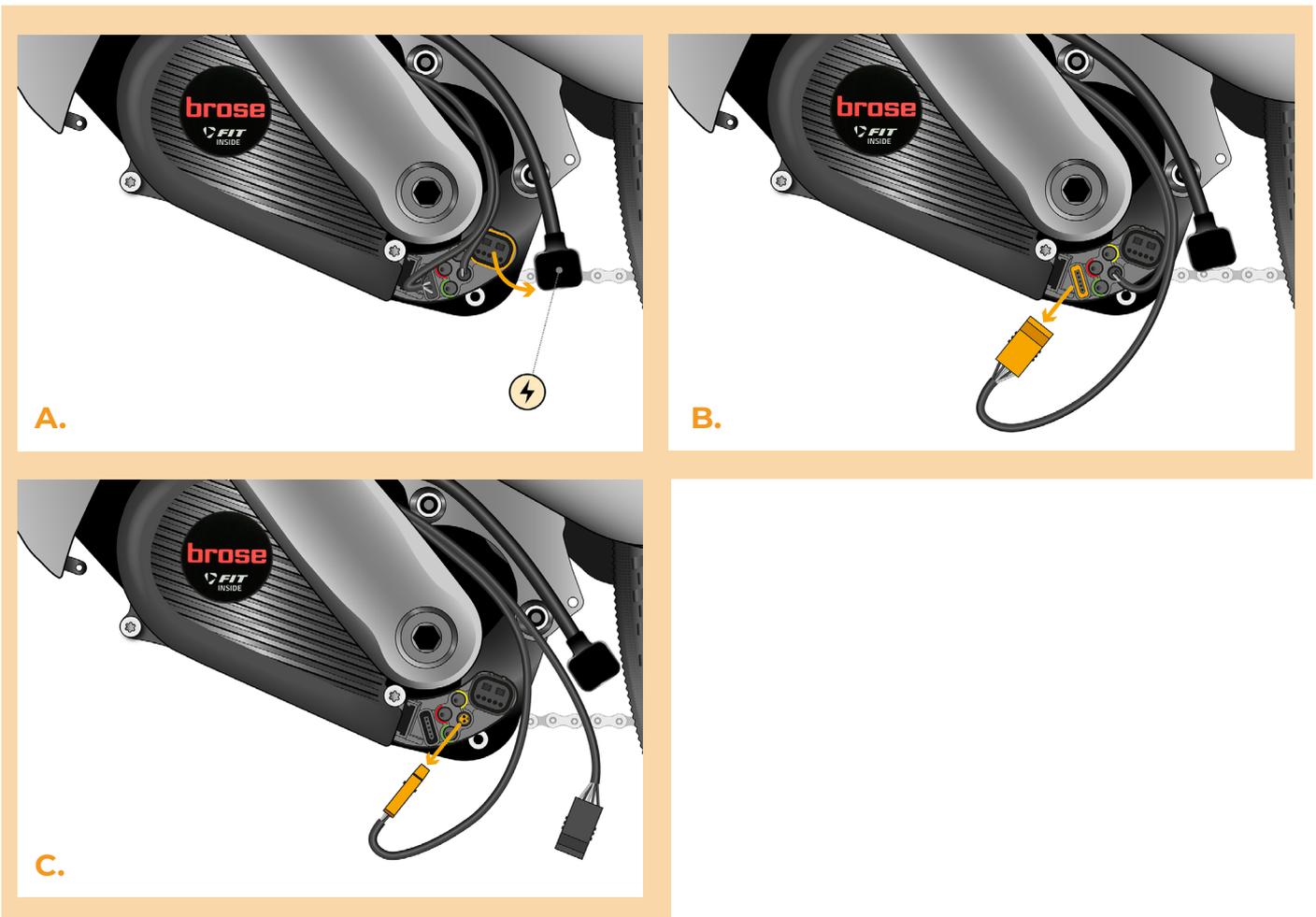**B.** Turn off the e-bike.

STEP 2: Motor cover removal

A. Unscrew the four screws holding the motor cover using a T10 Torx screwdriver.
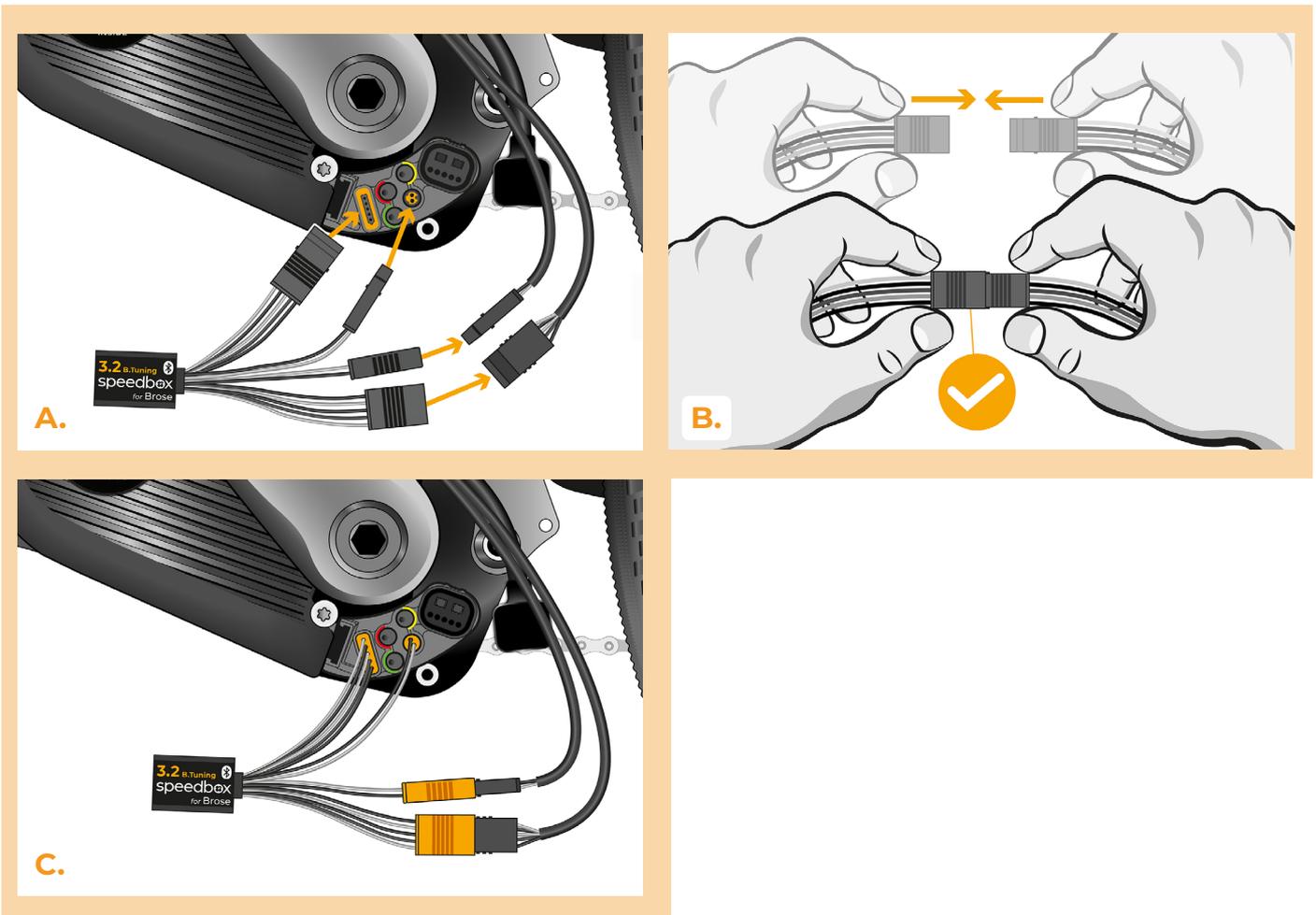**B.** Remove the motor cover.

STEP 3: Disconnecting the connectors from the motor

A. Disconnect the battery power connector.
B. Disconnect the display connector from the motor.
C. Disconnect the speed sensor connector.
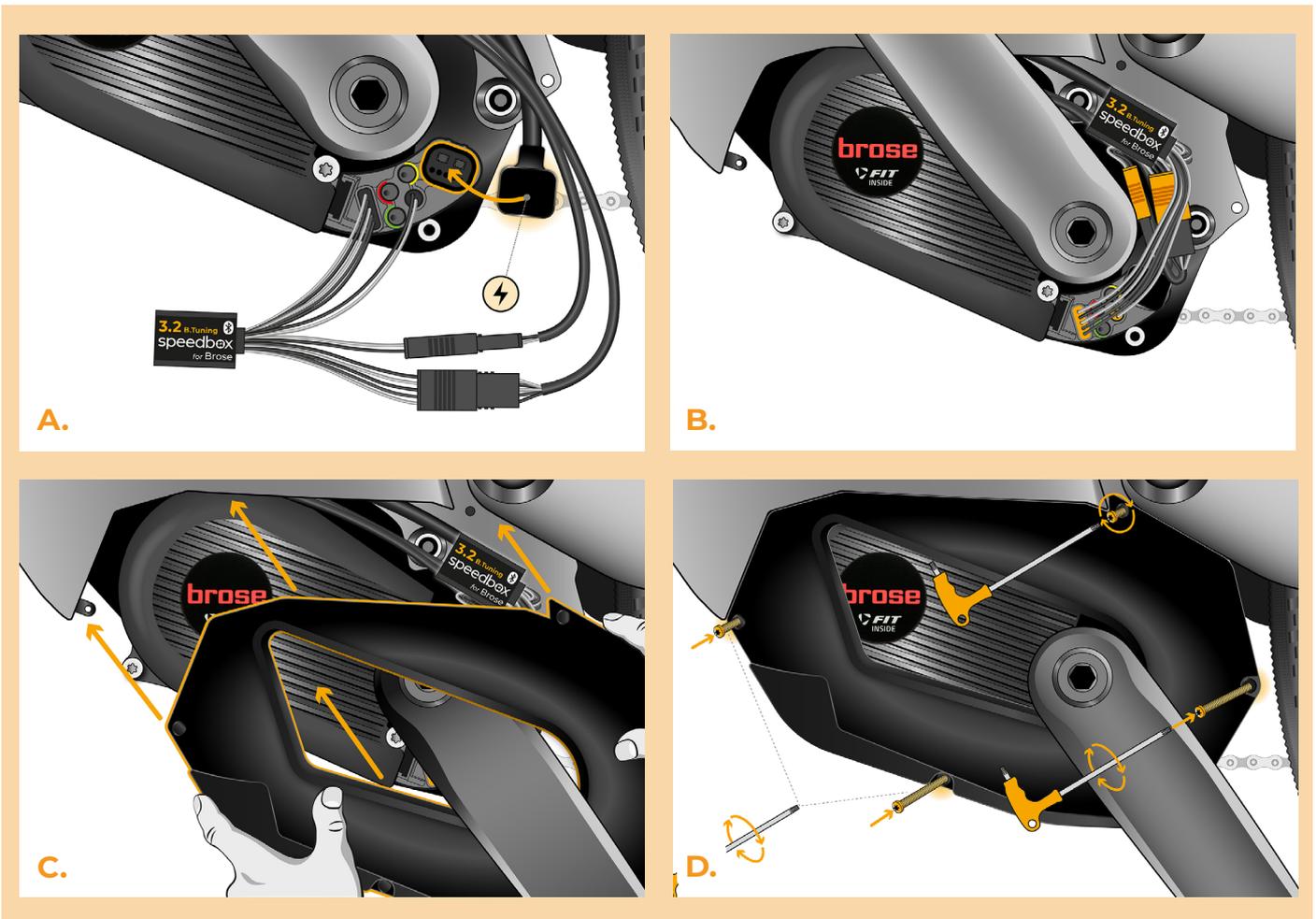

A.

B.

C.

STEP 4: SpeedBox tuning installation

A. Replace the original connectors with the SpeedBox connectors.
B. Plug the e-bike connectors, disconnected from the motor, into the SpeedBox connectors and make sure that the locks on the connectors are seated properly.
C. Before assembling the motor, check the correct wiring as shown in the figure.
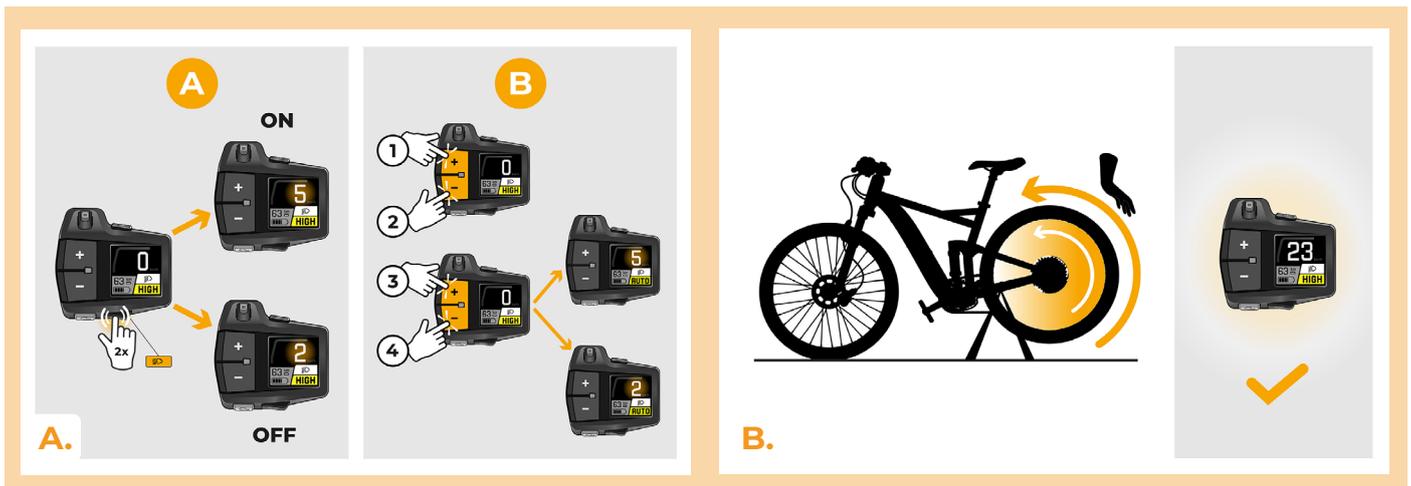
STEP 5: Motor cover assembly

A. Reconnect the battery power connector to the motor.
B. Place the SpeedBox with the connectors and wires coming from the motor back into the free space at the connection point or in the motor frame area.
C. Place the cover back onto the motor.
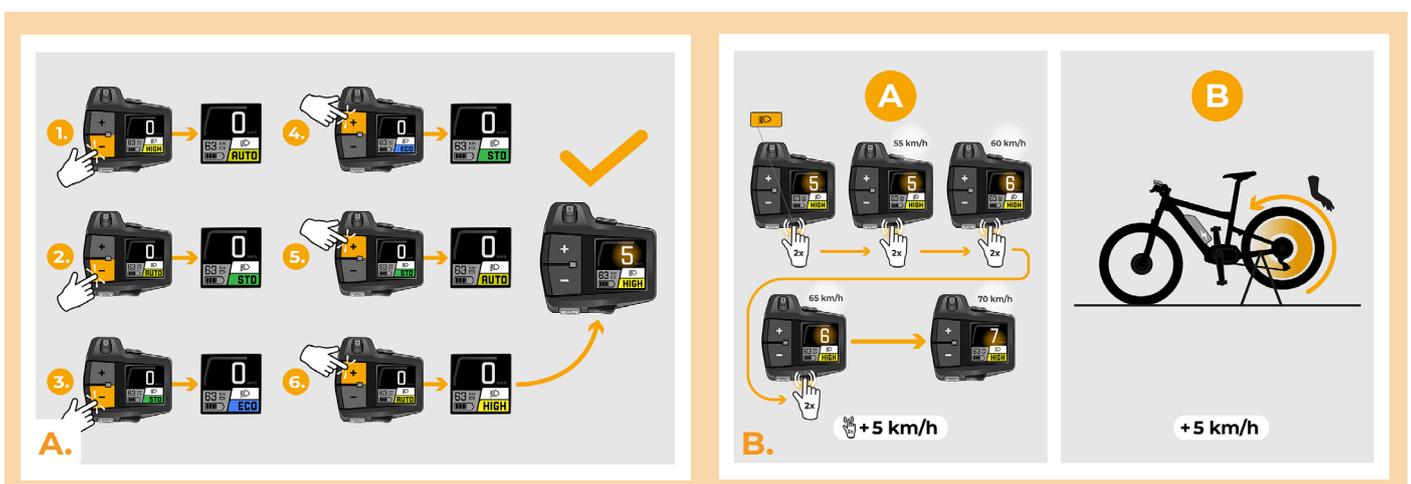**D.** Screw the cover back on using a T10 Torx screwdriver.

STEP 6: Tuning function check

A. To activate or deactivate the SpeedBox device, double-press the LIGHT button or switch between two assistance modes (+ − + −).

B. Spin the rear wheel and make sure the rear wheel speed is shown on the e-bike display.
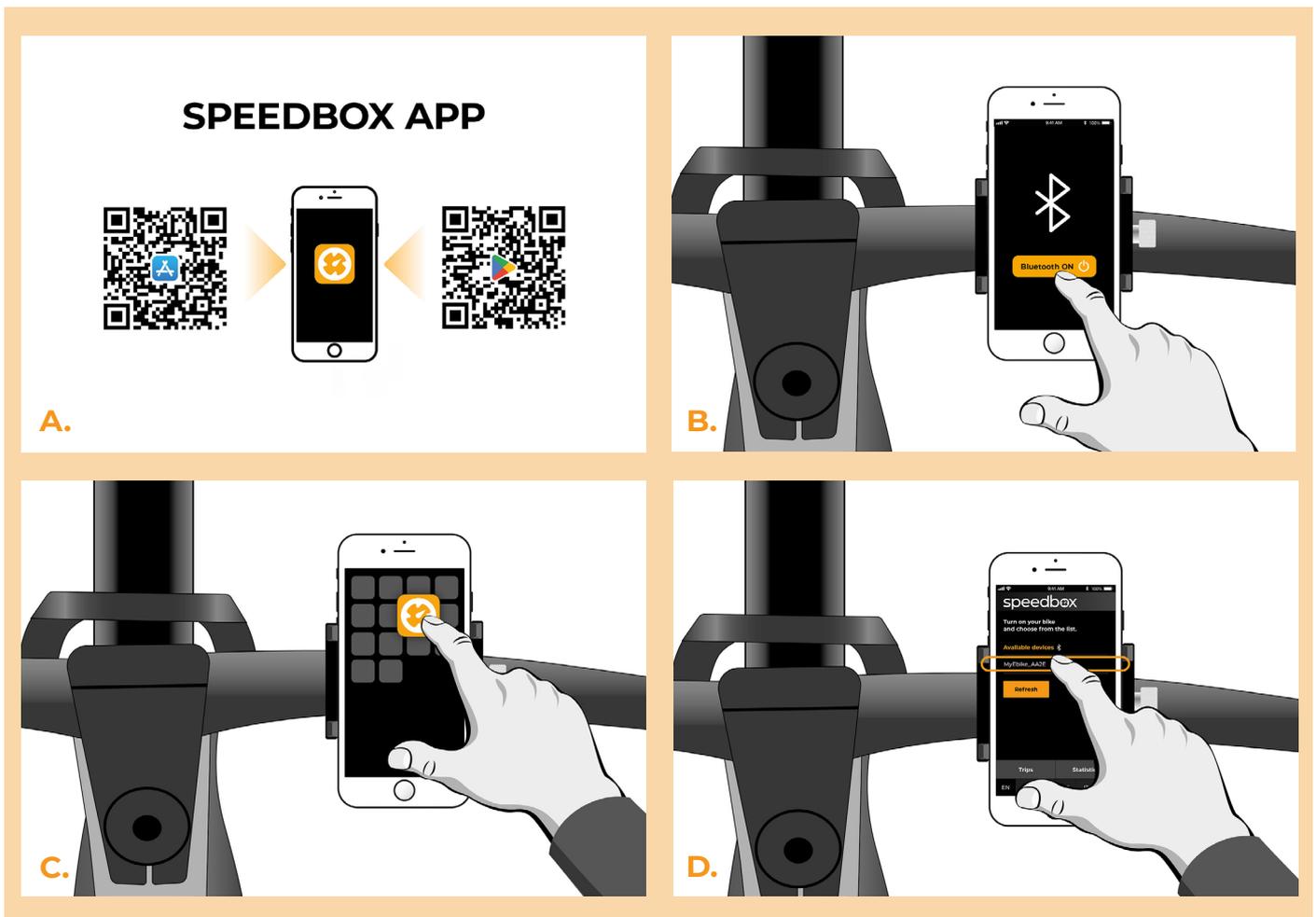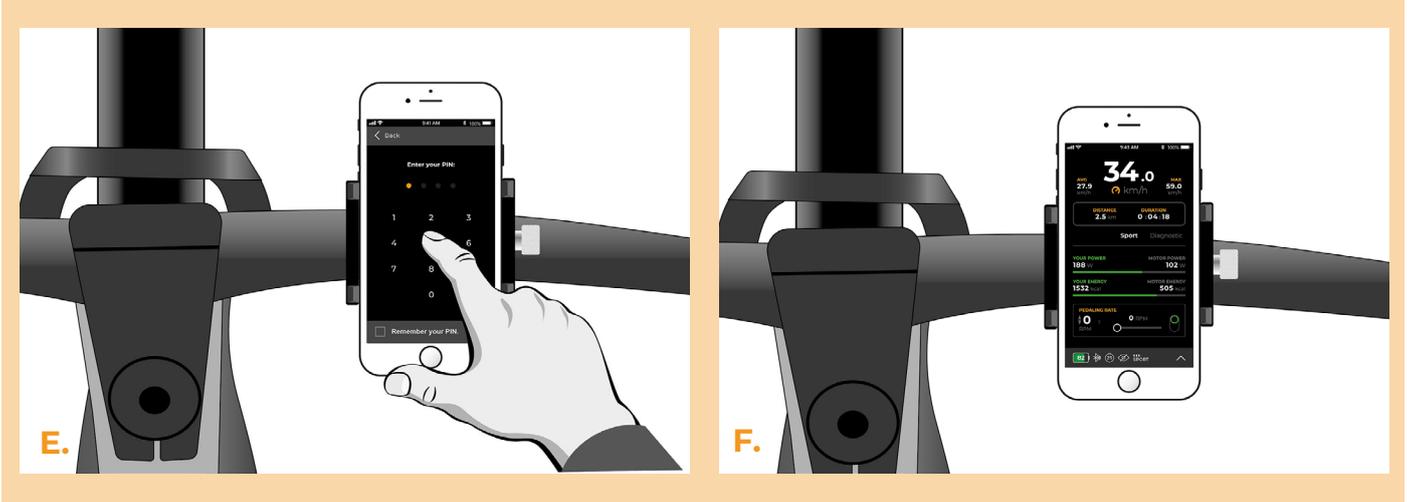

STEP 7: Setting the speed limit

A. You can set the maximum speed limit by changing modes as follows: − − − + + +. The current speed limit will then be displayed.

B. Set your preferred maximum speed limit by double-clicking the LIGHT button or by turning the rear wheel 360°, which increases the limit by +5 km/h. A display value of 3 km/h corresponds to limits of 30 and 35 km/h; 4 km/h corresponds to 40 and 45 km/h; 9 km/h corresponds to 90, 95, and 99 km/h, and so on. The last displayed limit will be saved after 5 seconds of inactivity. Do not change the maximum speed setting while riding!

STEP 8: Pairing SpeedBox with the SpeedBox App

A. Install the SpeedBox App from Google Play or App Store.
B. Turn on Bluetooth on your phone.
C. Open the SpeedBox App. Enable location services if prompted.
D. Select the device MyEbike_xxxx. If you do not see it in the list, click on the "Refresh" button and, if necessary, make sure that:
  1. Your e-bike is switched on.
  2. You are not further than 5 m from your e-bike.
  3. You have Bluetooth turned on on your mobile phone.
  4. You have enabled location services for the SpeedBox App.
E. Choose and confirm your PIN and service password.
F. Now you can fully enjoy the SpeedBox App (control tuning, monitor riding data, and information about motor performance and energy consumption, you can set the speed limit, etc.).

E.

F.

www.speedbox-tuning.en

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