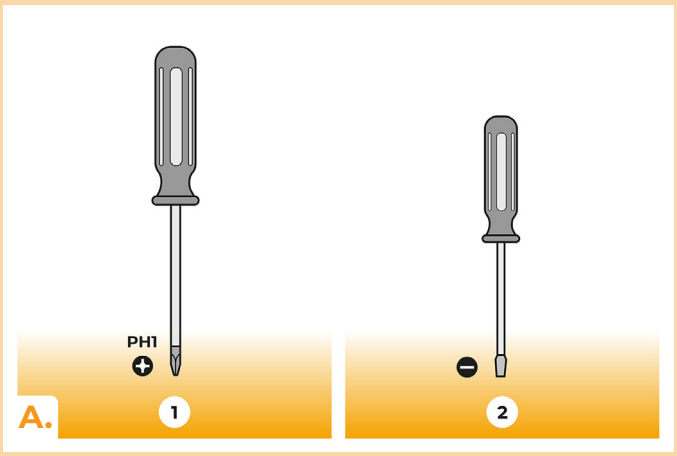
SpeedBox 3.1 B.Tuning for Bafang

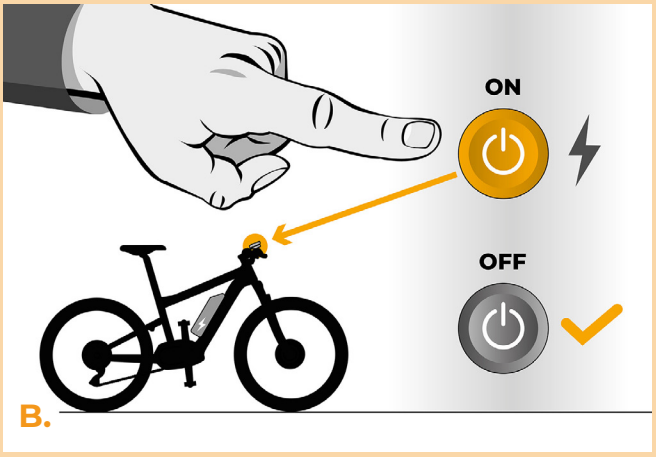
STEP 1: Preparation for installaion

A. Prepare the following tools:
1. Phillips screwdriver PH1
2. Precision slotted screwdriver

B. Turn off the e-bike.

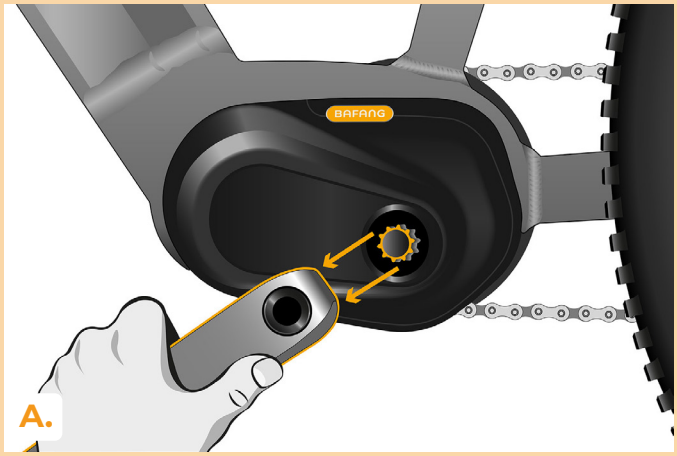
C. Remove the battery from the e-bike according to the manufacturer‘s manual.

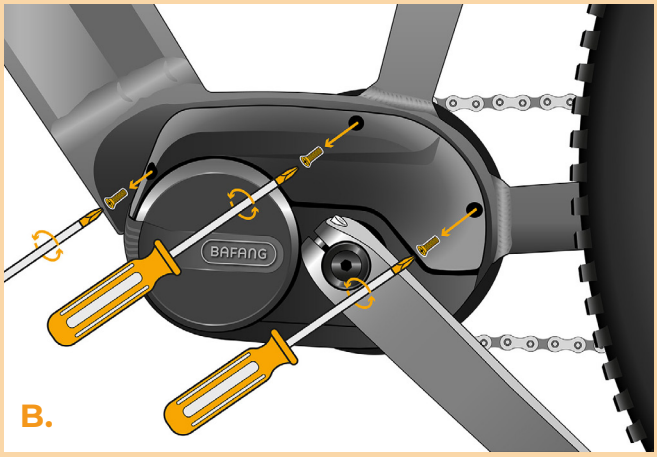


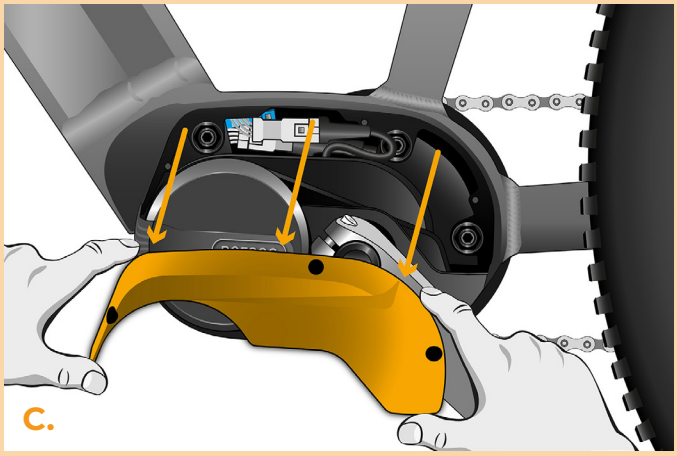


STEP 2: Motor cover removal

A. If the crank interferes with the removal of the plastic motor cover, it must be dismantled according to the manufacturer's manual.
B. Unscrew the three screws holding the upper motor cover with the Phillips screwdriver PH1.
C. Remove the motor cover.

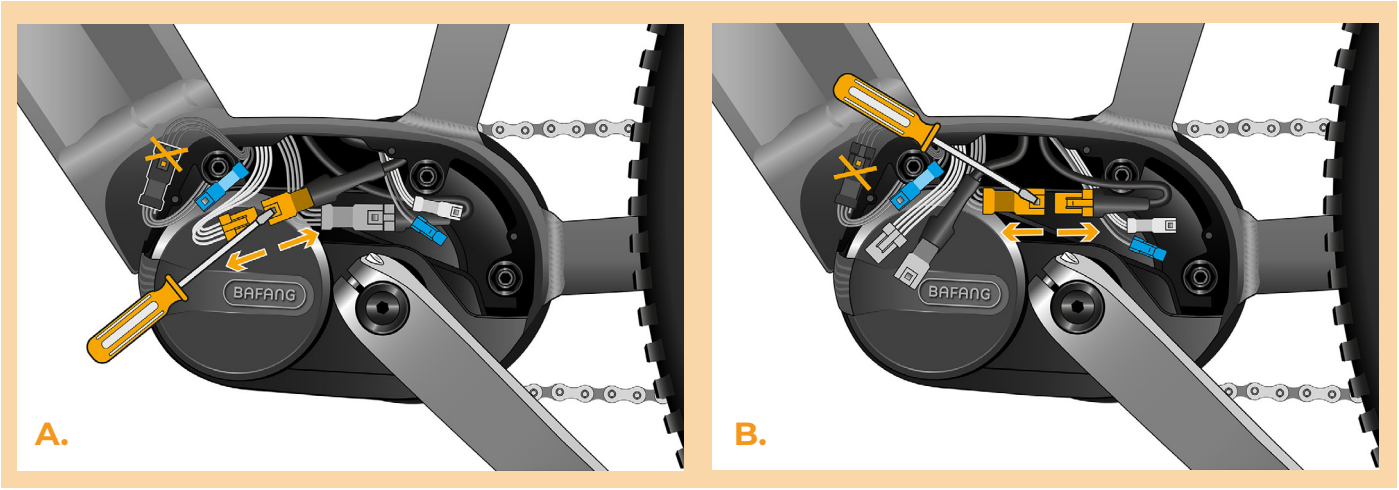






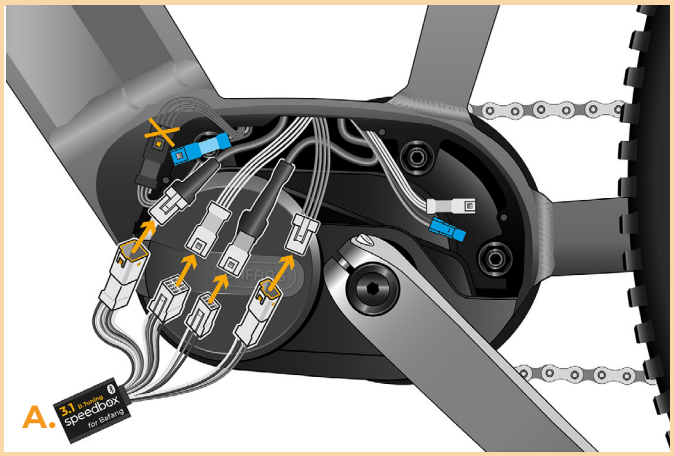
STEP 3: Disconnecting the connectors from the motor

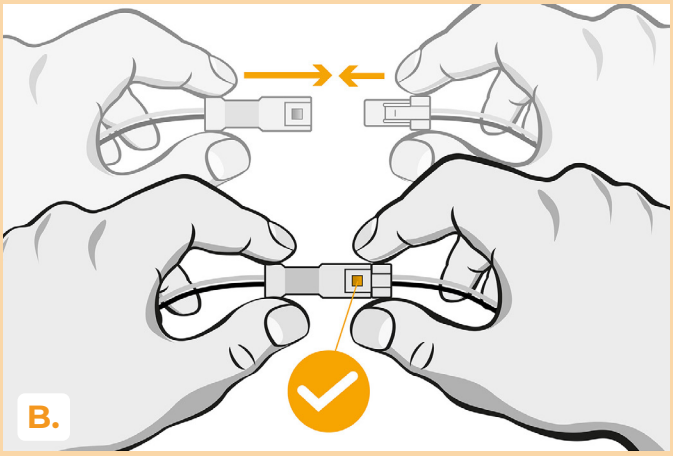
A. Using the precision slotted screwdriver, disconnect the speed sensor connector.
B. Disconnect the display connector in the same manner.

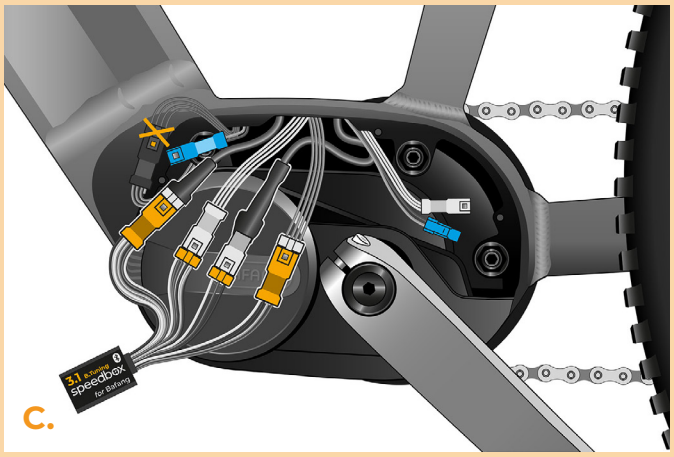


STEP 4: SpeedBox tuning installation

A. Plug SpeedBox into the disconnected connectors (step 3).
B. 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.

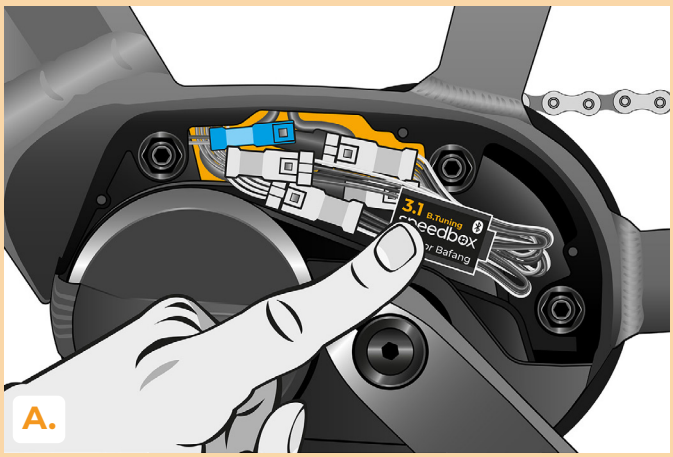


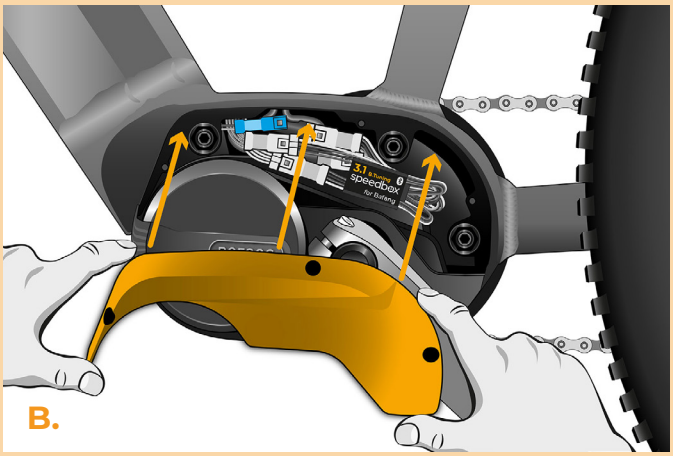


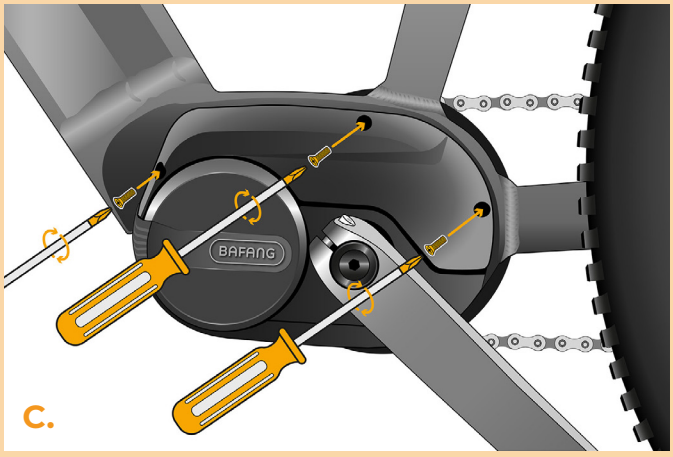


STEP 5: Motor cover assembly

A. Fit the SpeedBox and all connectors and wires leading from the motor into the free space in the motor compartment.
B. Put the motor cover back in its original position.
C. Using the Phillips screwdriver PH1, attach the motor cover with screws. If the crank was removed in step 2, install it back.

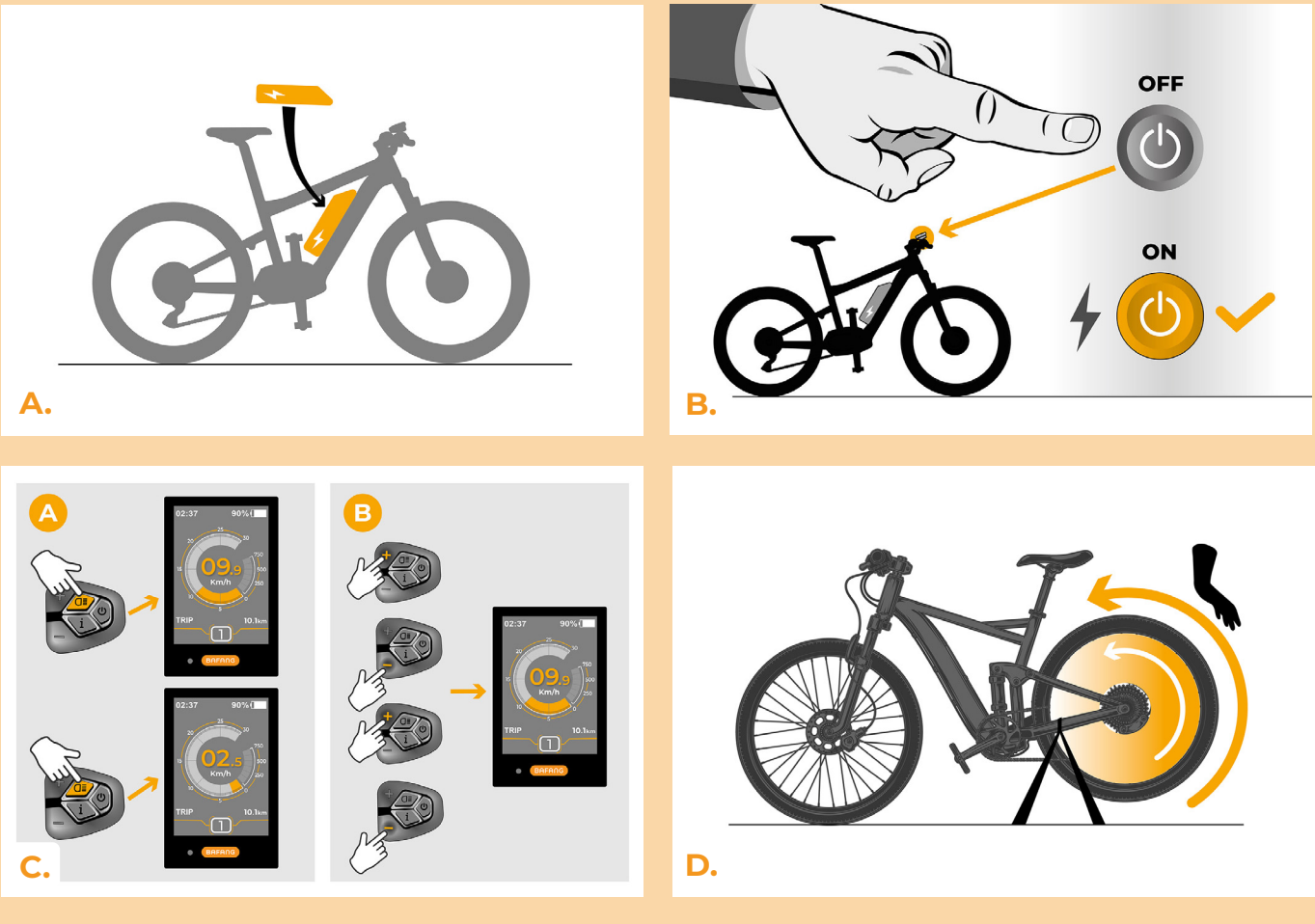






STEP 6: Tuning function check

A. Place the battery back into the e-bike.
B. Turn the e-bike on.
C. Activate/deactivate SpeedBox by pressing the LIGHT button or by switching between two assistance modes twice (+-+-). The value of 9.9 or 2.5 will be shown indicating the maximum speed limit in km/h.
D. Spin the rear wheel and make sure the rear wheel speed is shown on the e-bike display.

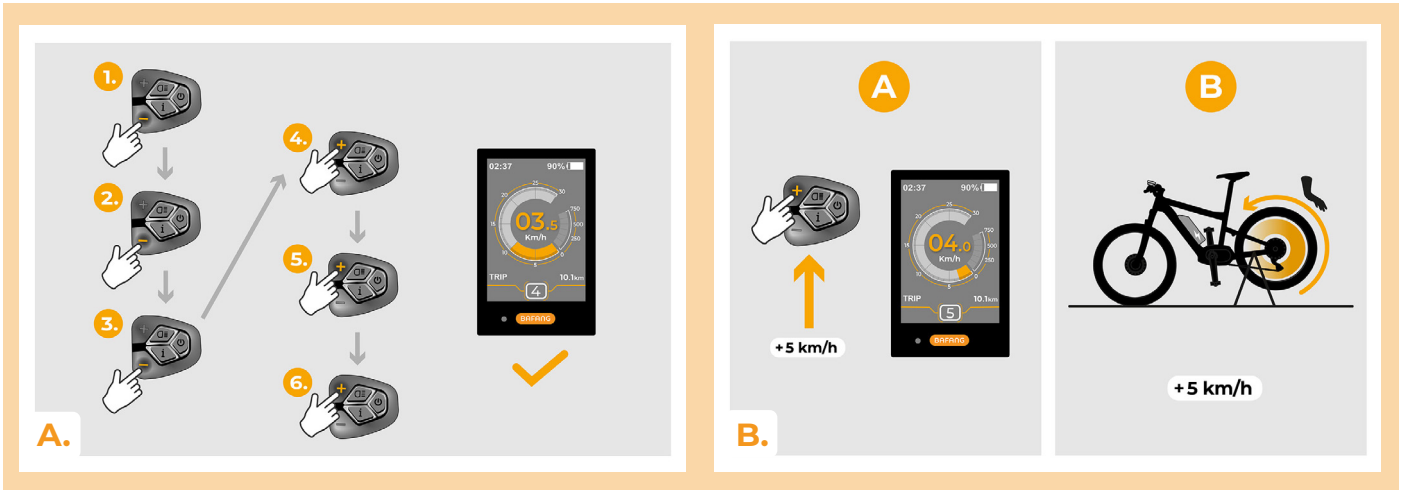


speedbox
break the limits

STEP 7: Setting the speed limit

A. To set the maximum speed limit, switch the modes: - - - + + +. The current speed limit will be displayed.

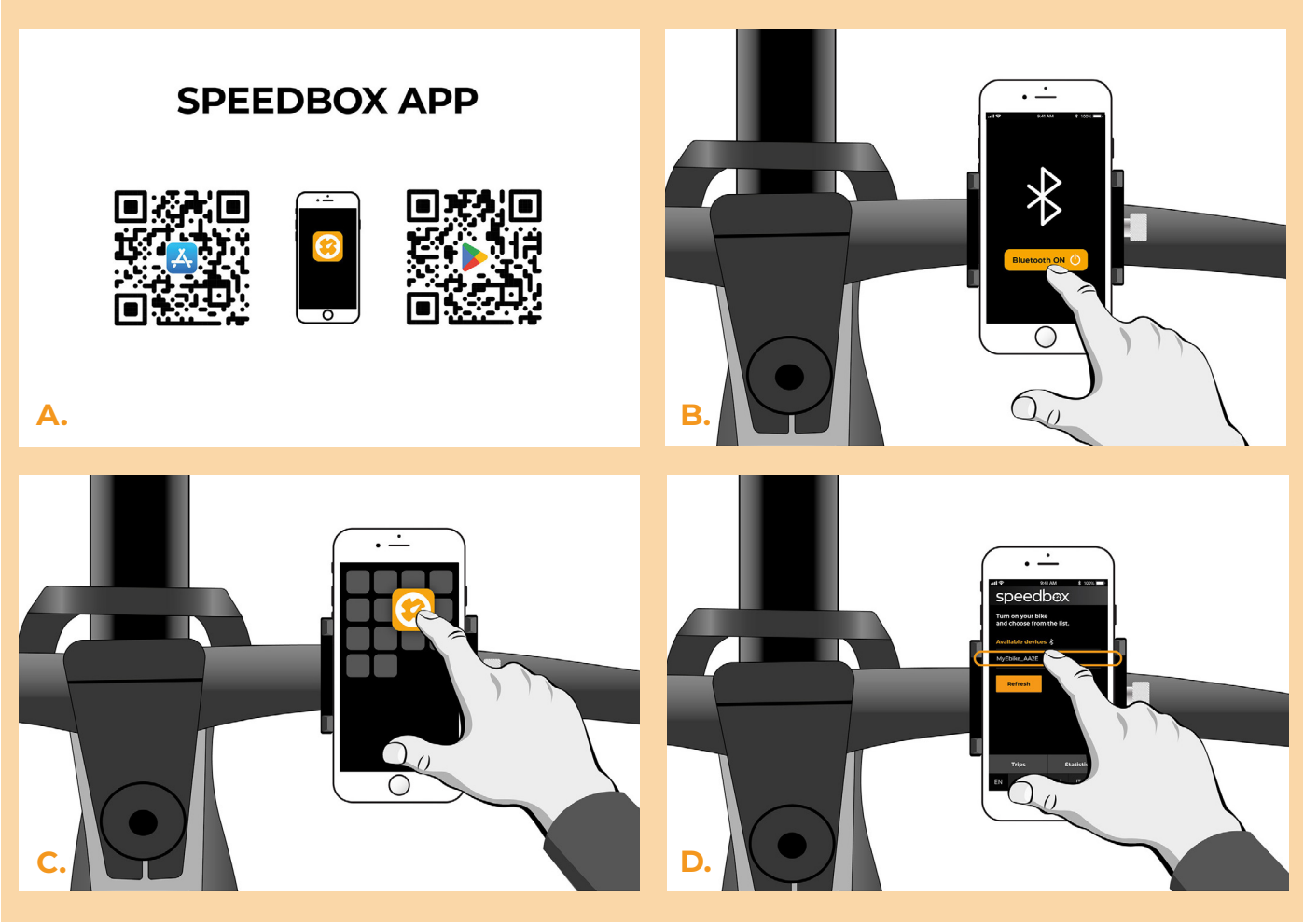
B. Set the maximum speed limit by pressing the + button briefly or by turning the rear wheel 360°. With each press on the + button or turning of the wheel, the limit increases by 5 km/h. The last displayed limit is saved after five seconds of inactivity.

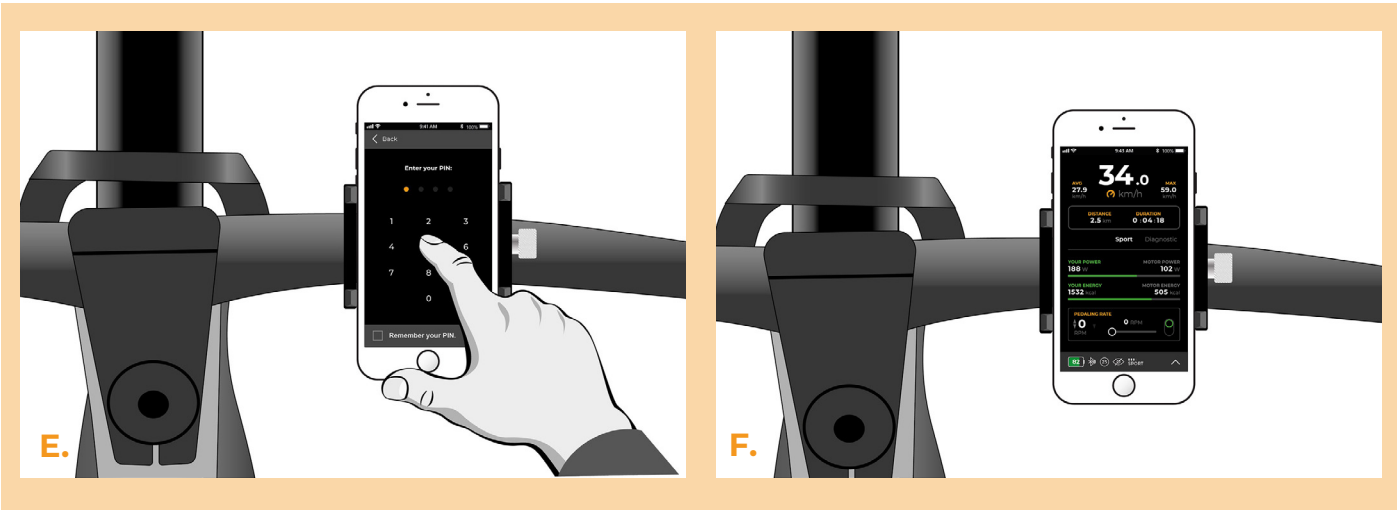


STEP 8: Pairing SpeedBox with the SpeedBox App

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. ou 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.).





www.speedbox-tuning.en

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