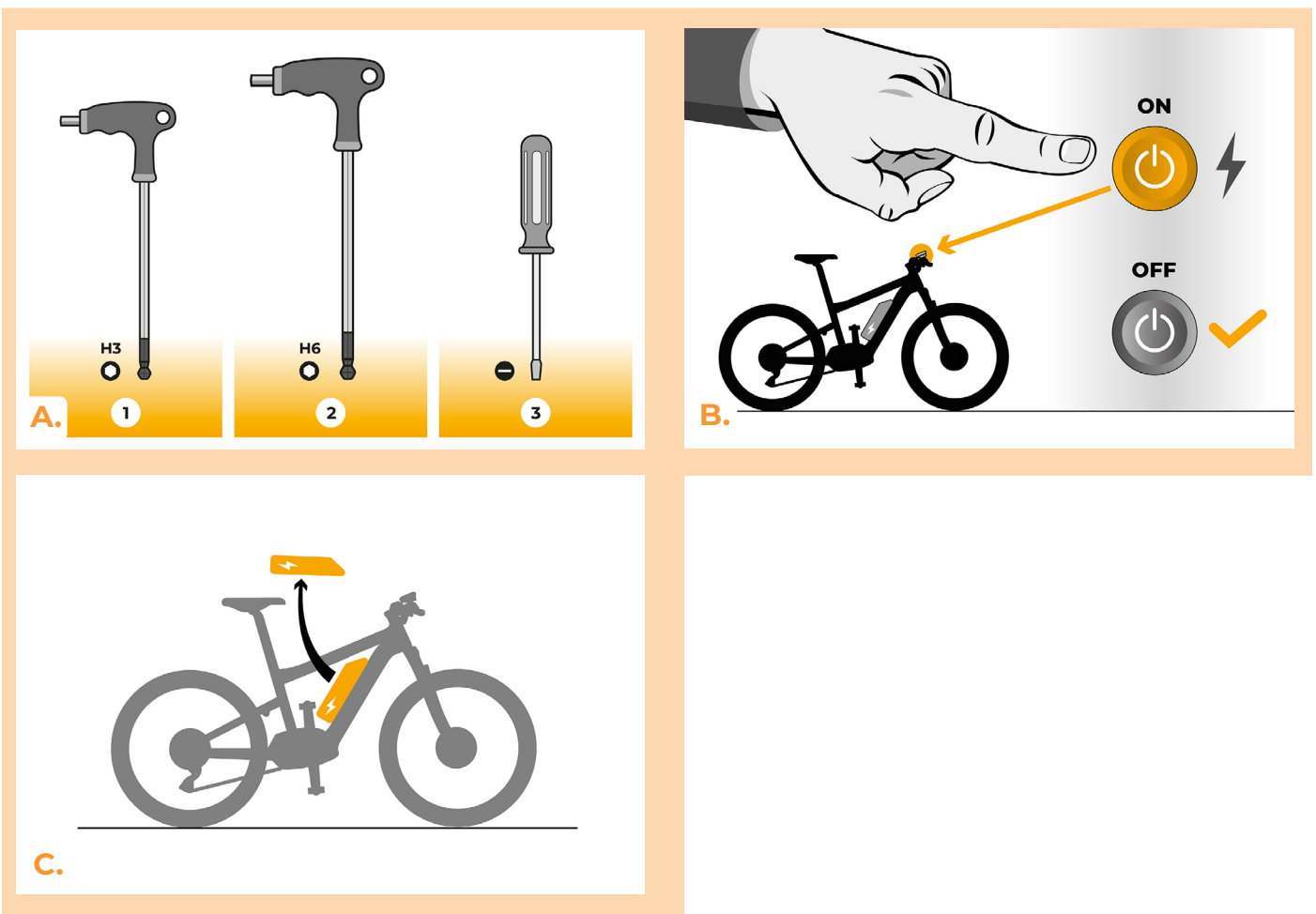# SpeedBox 3.4 B.Tuning for Yamaha
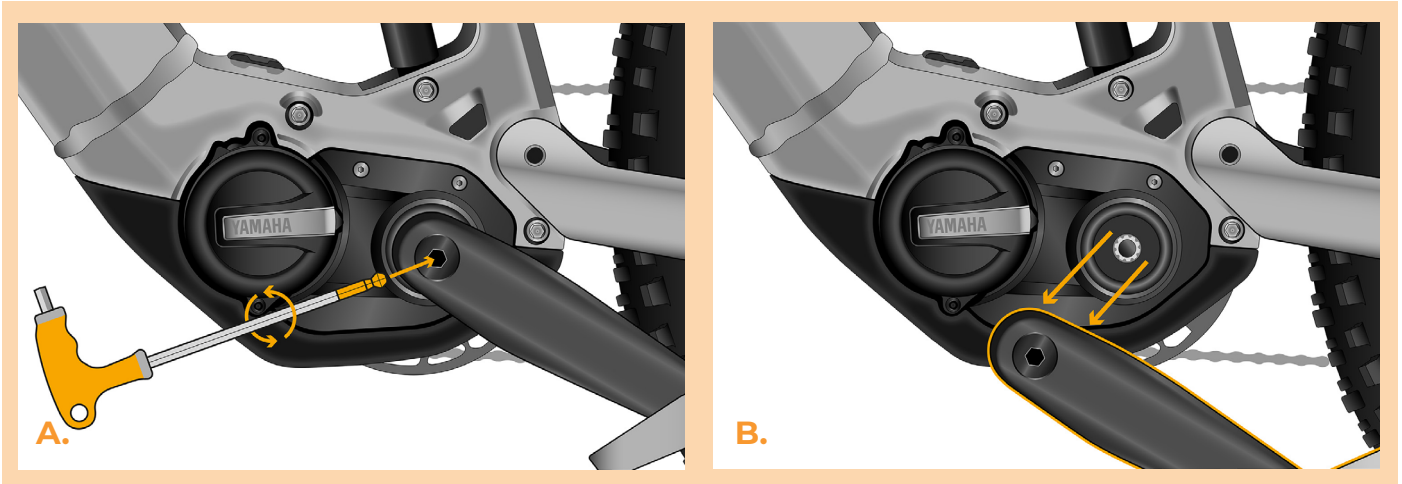
STEP 1: Preparation for installaion

A.   Prepare the following tools:
1. Hex Key H3
2. Hex Key H6
3. Precision slotted screwdriver

B.   Turn off the e-bike.

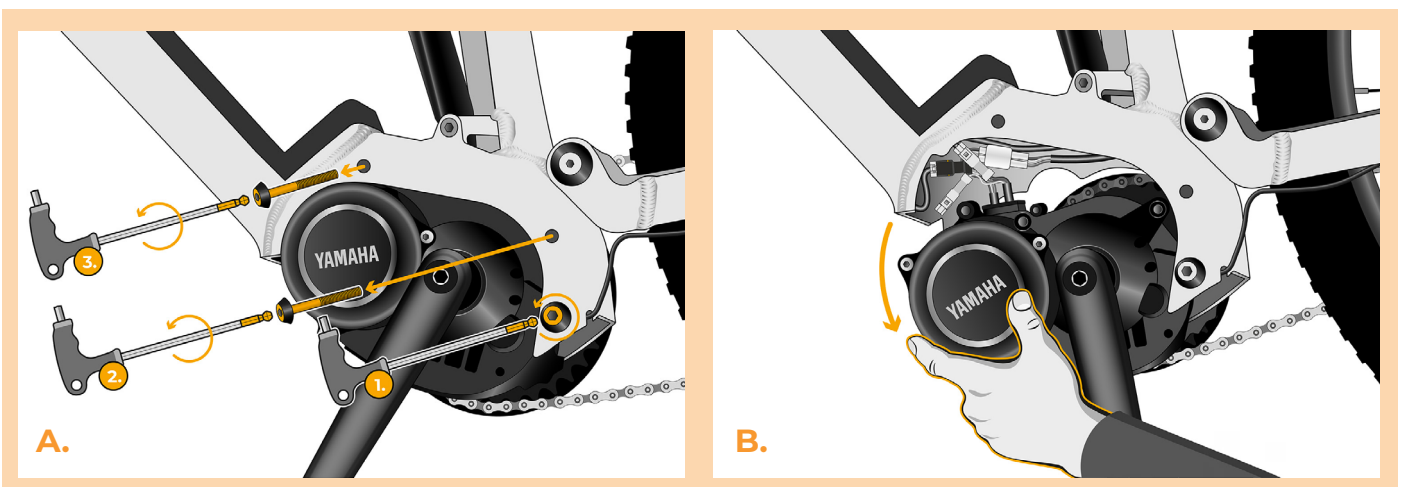**C.**   Remove the battery from the e-bike according to the manufacturer's manual.

STEP 2: Motor cover removal

A. Unscrew the four screws holding the motor cover with the Hex Key H3.
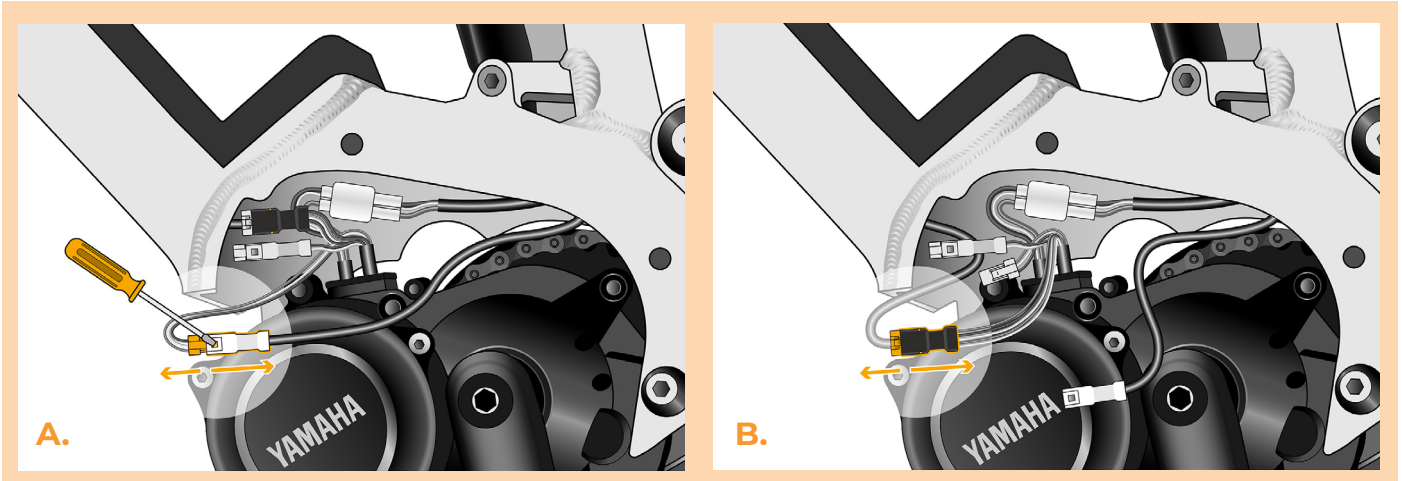**B.** Remove the motor cover.

STEP 3: Lowering the Motor

A. Slightly loosen the bottom screw holding the motor. Unscrew the upper two screws with the Hex Key H6 and pull them out.
B. Carefully tilt the motor out of the e-bike frame to access the motor connectors and wiring.
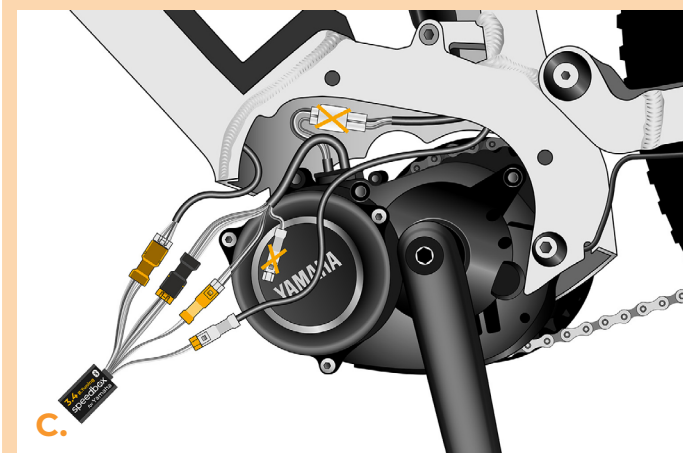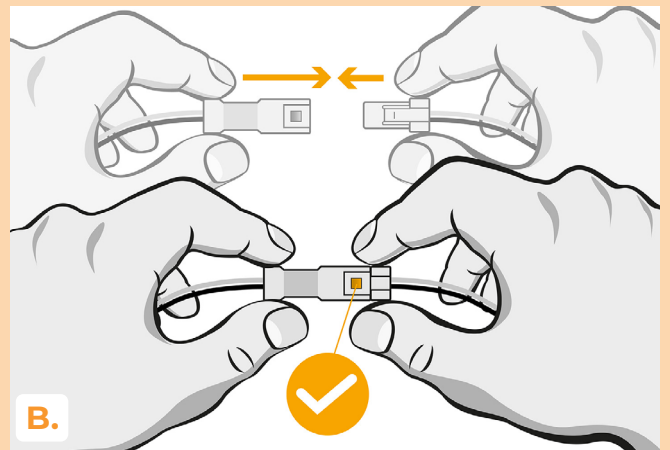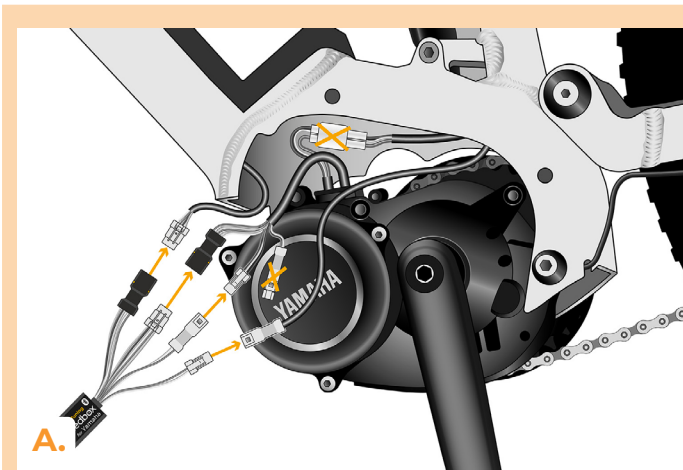
STEP 4: Disconnecting the connectors from the motor

A. Disconnect the speed sensor connector with the slotted screwdriver.
B. Now disconnect the cable connector leading from the motor to the display.
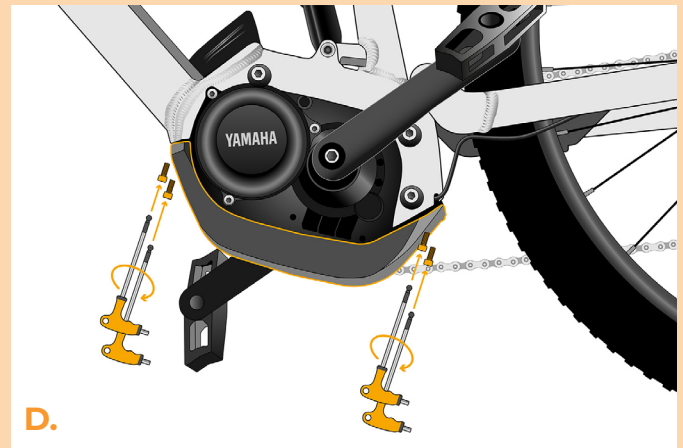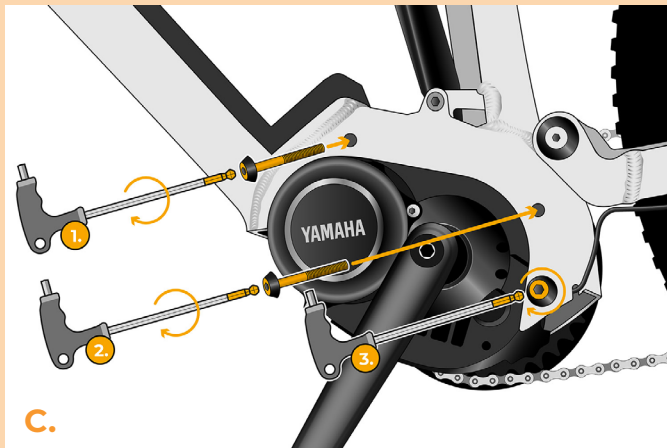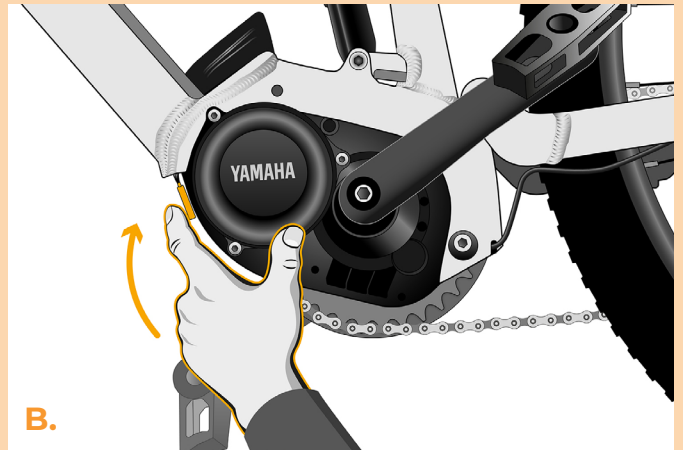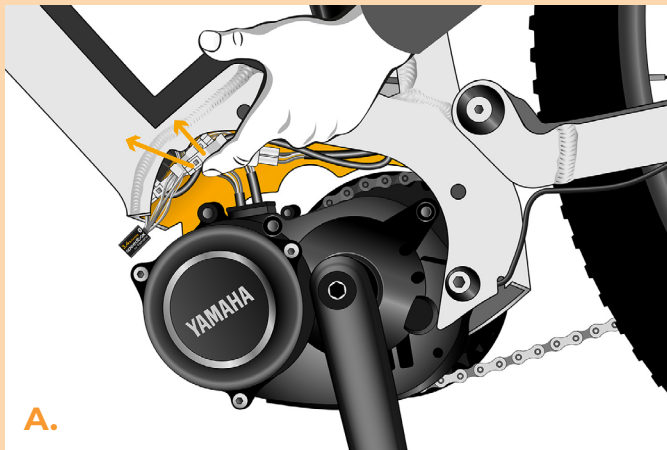
STEP 5: SpeedBox tuning installation

A. Plug SpeedBox into the disconnected connectors (step 4).
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.
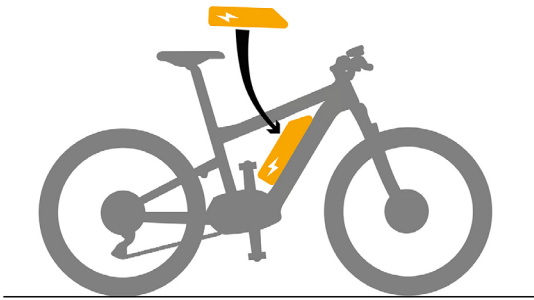
STEP 6: Motor cover assembly

A. Place the connectors and wiring leading from the motor back into the free space in the e-bike frame. SpeedBox should be placed out of the frame so that the metal frame of the e-bike does not block the Bluetooth signal.

B. Return the motor to its original position and be careful not to accidentally damage the cables.

C. Screw in the screws holding the motor in the frame and tighten well.

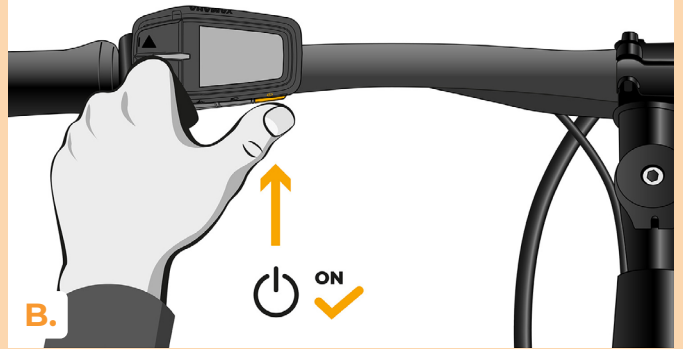**D.** Place and screw the plastic motor cover back in place.

A.

B.

C.

D.

STEP 7: Tuning function check

A. Place the battery back into the e-bike.

B. Turn the e-bike on.

C. You will activate/deactivate SpeedBox by pressing the LIGHT button shortly 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. For displays that do not show decimal numbers, the value of 9 km/h or 2 km/h will be displayed.

D. Spin the rear wheel and make sure the rear wheel speed is shown on the e-bike display.
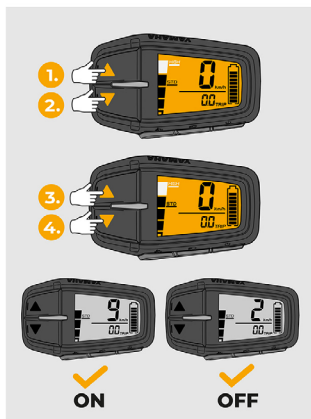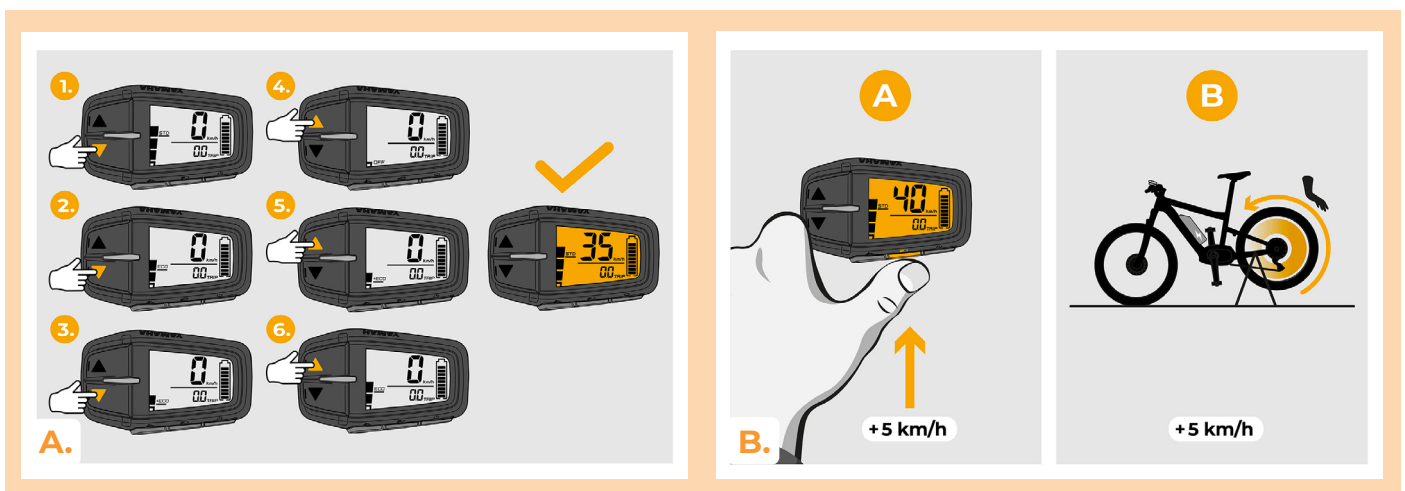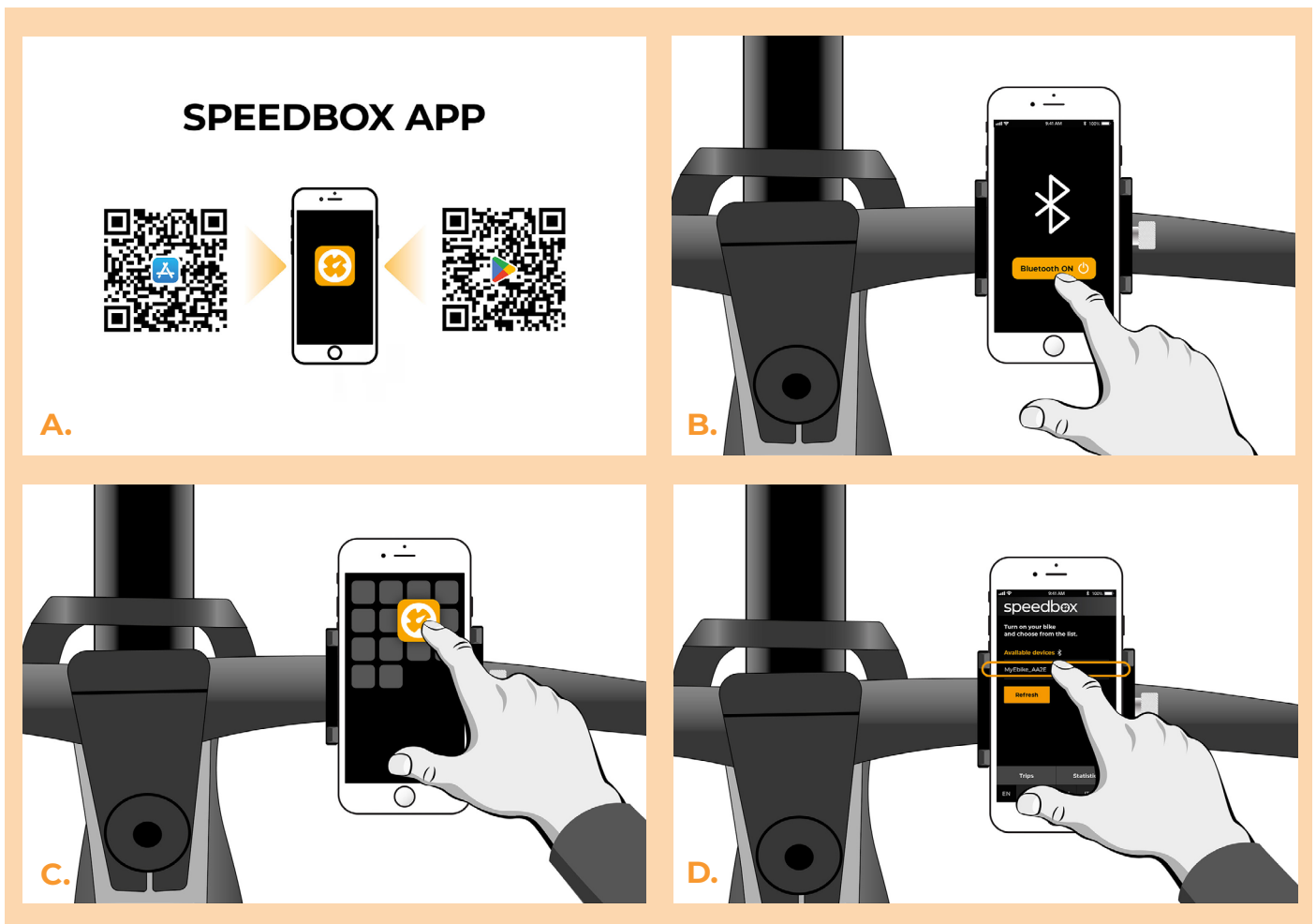
STEP 8: Setting the speed limit

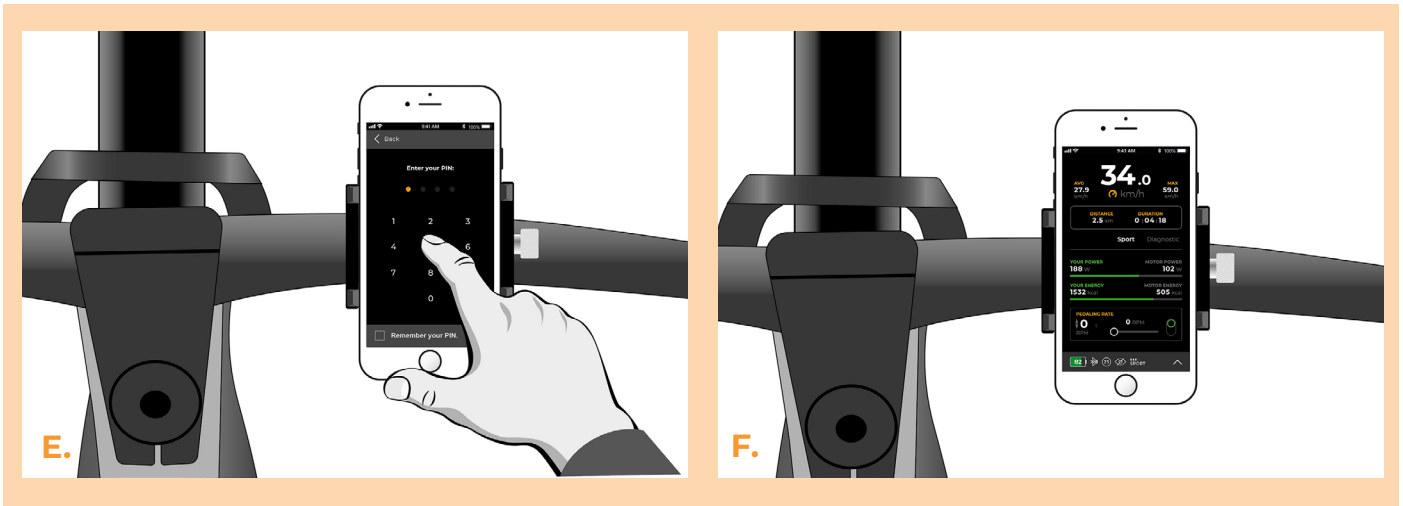**A.** Set HIGH mode. Switch between the assistance modes briefly in the following order HIGH > STD > ECO > ECO+ > ECO > STD > HIGH, i.e. go three levels down and three levels up ↓ ↓ ↓ ↑ ↑ ↑. The current speed limit will be displayed.

B. Set the maximum speed limit by pressing the LIGHT button briefly or by turning the rear wheel 360°. With each press on the button or turning of the wheel, the limit will increase by 5 km/h.

STEP 9: 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.).

SPEEDBOX APP

A.

B.

C.

D.

speedbox
break the limits

E. / **F.**

www.speedbox-tuning.com