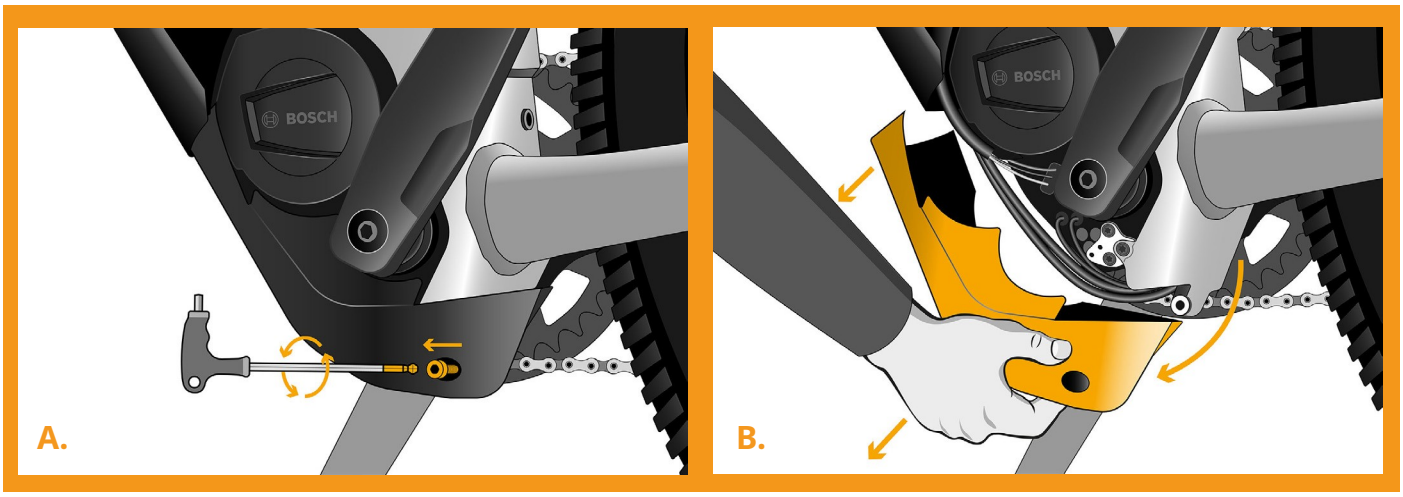
SpeedBox 1.1 for Bosch (Smart System)

STEP 1: Preparation for installation

A. Prepare the following tools: Hex Key H4 *(tools may vary depending on the type of e-bike).*
B. Turn off the e-bike.
C. Remove the battery from the e-bike according to the manufacturer's manual.

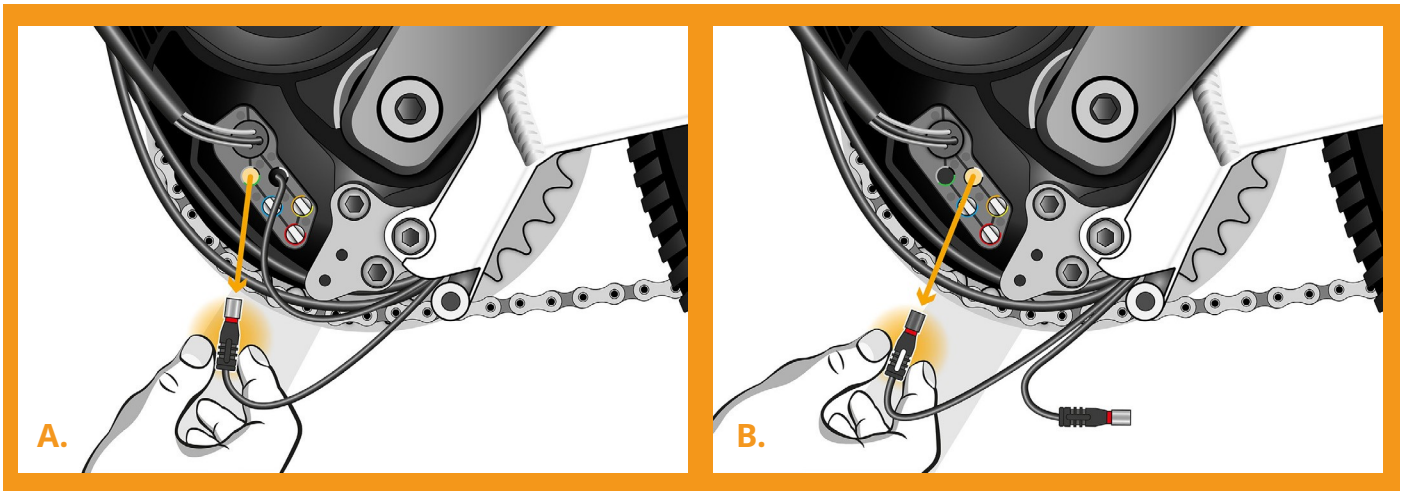
STEP 2: Motor cover removal

A. Unscrew the screw holding the motor cover with the hex key H4.
B. Remove the motor cover.



STEP 3: Disconnecting the connectors from the motor

A. Disconnect the speed sensor connector.
B. Disconnect the display connector in the same manner.



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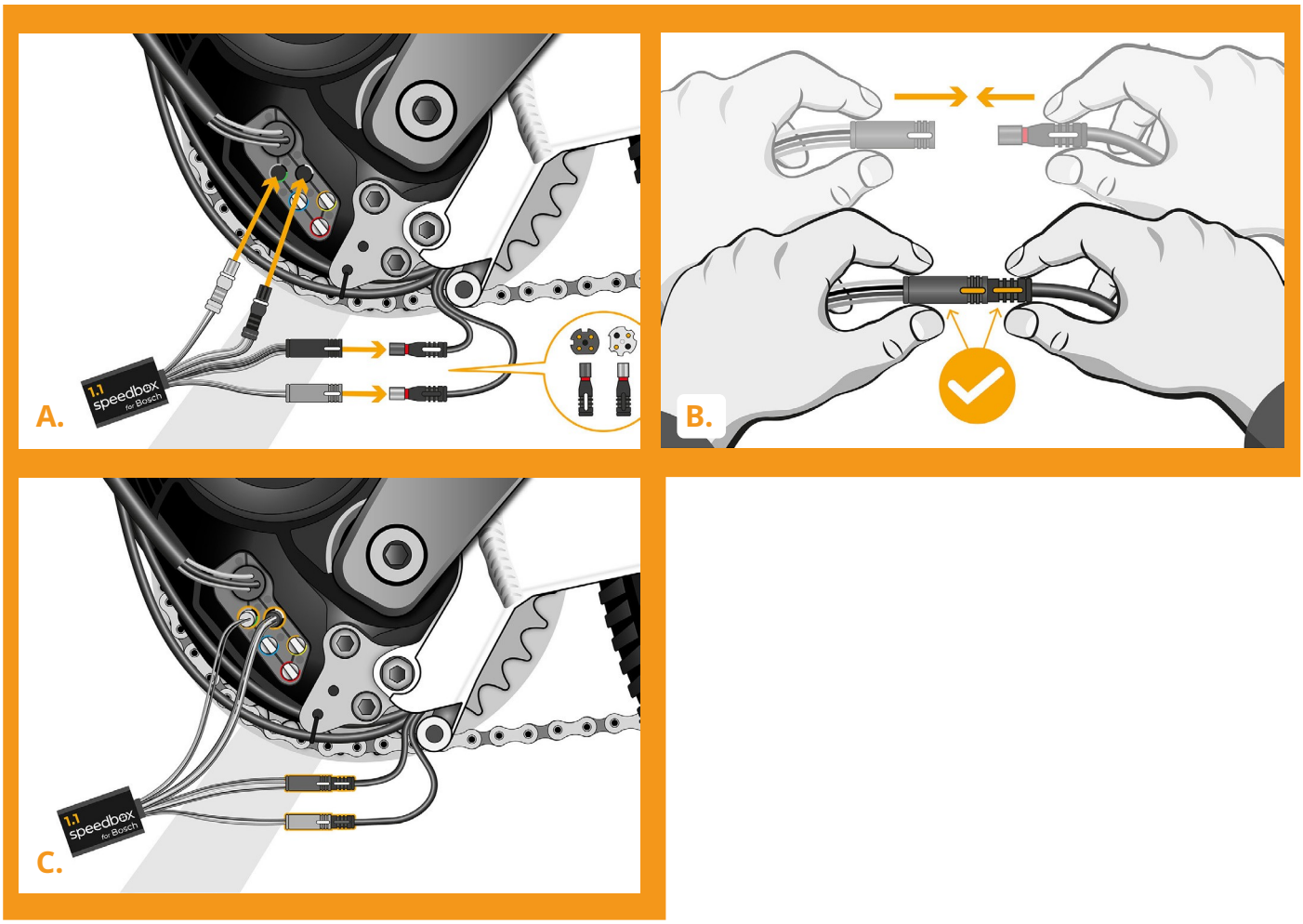
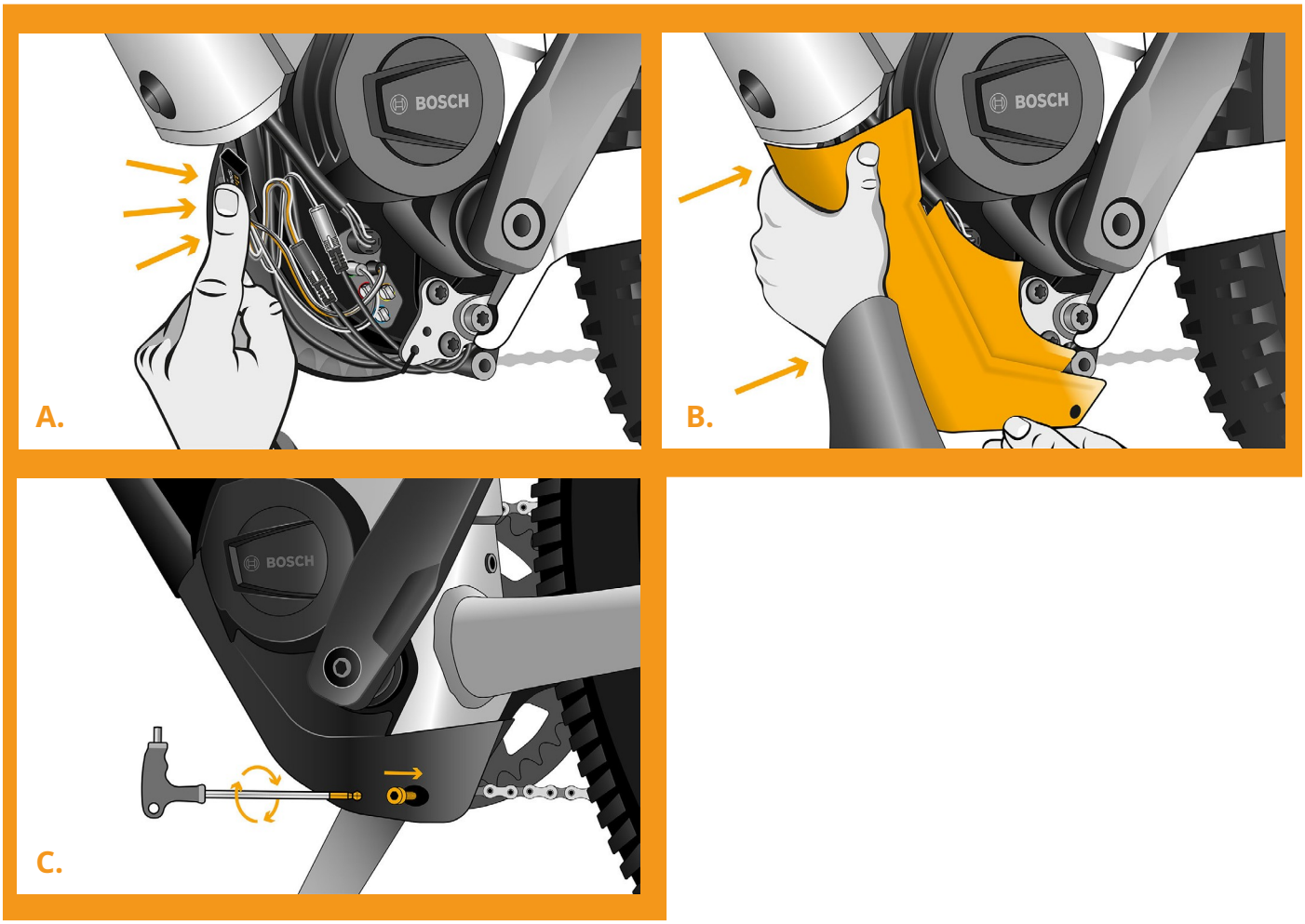
STEP 4: SpeedBox tuning installation

A. Replace the original connectors with the SpeedBox connectors.
B. Plug the e-bike connectors, disconnected from the motor (step 3), into the SpeedBox connectors. 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.



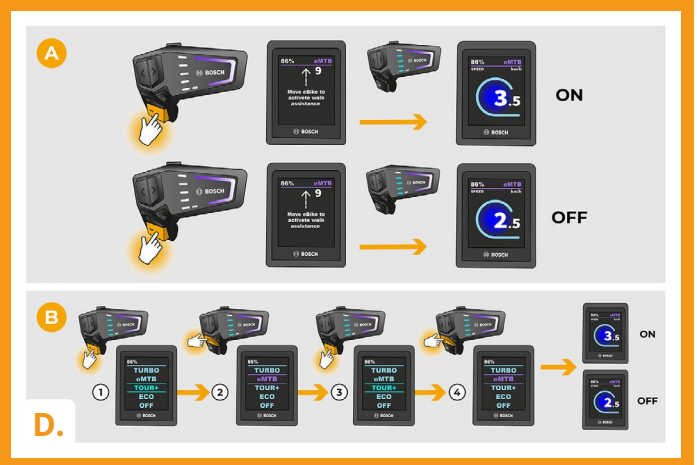
STEP 5: Motor cover assembly

A. Fit the SpeedBox and all connectors and wires leading from the motor into the free space in the motor.
B. Place the motor cover back to its original position.
C. Reattach the motor cover by tightening the screw with the hex key H4.



STEP 6: Tuning function check

A. Place the battery back into the e-bike.
B. Turn the e-bike on.
C. Before the first ride with SpeedBox installed, it is necessary to enter the menu and check the wheel circumference: “Settings” > “My Bike” > “Wheel circumference”. Then return to the home screen.
D. Activate/deactivate tuning by brief activation of the WALK function or by switching between two assistance modes twice (+-+-). The value of 3.5 or 2.5 indicating the maximum speed in km/h will be displayed.
E. Spin the rear wheel and make sure the rear wheel speed is shown on the e-bike display.



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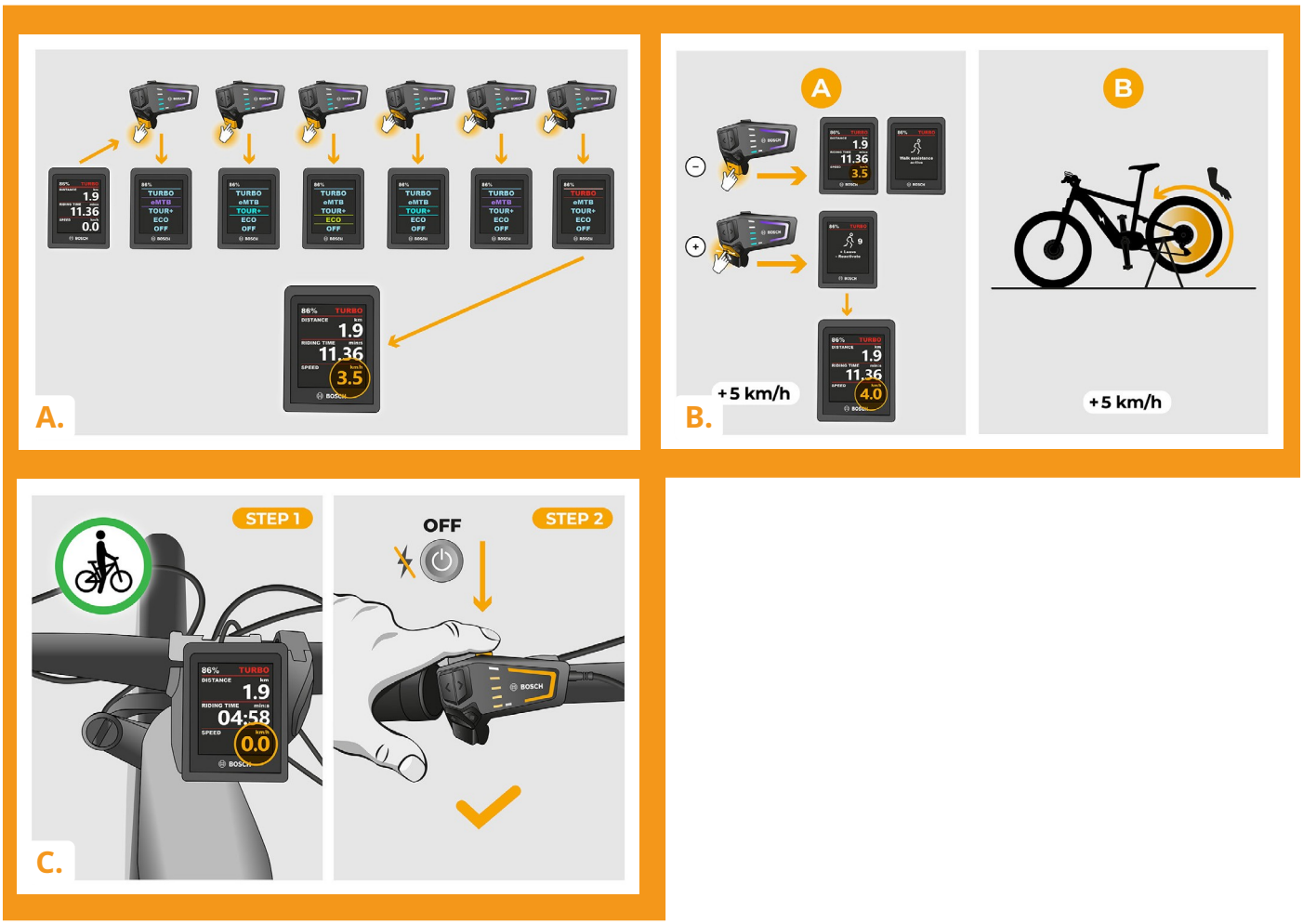
STEP 7: Setting the speed limit

A. You can set the maximum speed limit by switching the modes: TURBO - eMTB - TOUR+ - ECO - TOUR+ - eMTB - TURBO. An actual speed limit will be displayed after that.

B. The maximum speed of an electric assistance can be changed by activating/deactivating the WALK assist function (in this case by pressing „-“ and „+“) or by turning the rear wheel 360°.

C. To avoid tuning detection on your e-bike, after finishing your ride, leave the e-bike switched on until a speed of 0.0 km/h is permanently shown on the display.