

Manual: Replacing the Display — Ninebot F3

Tools and material needed

- PH1 star screwdriver.
 - Allen key 2.5.
 - Charger for the F3.
 - Scooterhacking Utility beta app: <https://utility-beta.cfw.sh> (to reprogram SN).
 - New original display SKU:EWf839
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Summary of the procedure

1. Physically replace the display.
 2. Turn on; A QR code will appear on the display.
 3. Program the scooter's SN on the new display (it cannot be modified later).
 4. Activate the display.
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Step 1 — Physical Display Replacement

1. Turn off the scooter.
2. Disassemble the old display.
3. Carefully disconnect the connectors from the cables.
4. Replace with the new display and firmly connect the connectors.

Attention: do not force the connectors; Check alignment and that there are no bent pins.

Step 2 — First Ignition

1. Turn on the scooter. When installing a new display, a QR code will appear on the display, ignore this code.
2. Locate the SN of the scooter:
 - On the DGT approval plate of the scooter, or
 - In the customer's Segway Mobility app (application installed on their mobile), where the vehicle's SN appears.

VERY IMPORTANT: once the SN has been programmed into the display, it cannot be modified. Make sure you are using the correct SN on the scooter.

Step 3 — Program the SN (use Scooterhacking Utility beta)

1. Open the beta version of Scooterhacking Utility: <https://utility-beta.cfw.sh>.
 2. Connect your mobile phone to the scooter via Bluetooth (the tool will detect the unit).
 3. In the app go to: **TOOLS > CHANGE REGION > CUSTOM**.
 4. Enter the scooter's SN (as it appears on the license plate or in the Segway app).
 5. Apply the change.
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Step 4 — Activate the display

After reprogramming the SN, we will proceed to activate the display, so that the QR code disappears.

- Use Scooterhacking Utility: **TOOLS-> COMMANDS->ACTIVATE**



Now we force the scooter to shut down completely

1. Use Scooterhacking Utility: **TOOLS > ENTER DEEP SLEEP** to force the scooter into *deep sleep*.
2. Wait a few seconds after confirmation.

Step 5 — Reactivate battery

1. Connect the charger to the scooter to reactivate the battery and get out of deep sleep.
2. Wait for the battery to reactivate (when the LED on the charger turns red).

Final checks and recommendations

- Check that the programmed SN exactly matches the SN on the badge and the app.
- Check full operation: battery, throttle, regenerative braking (if applicable) and lights measurement.