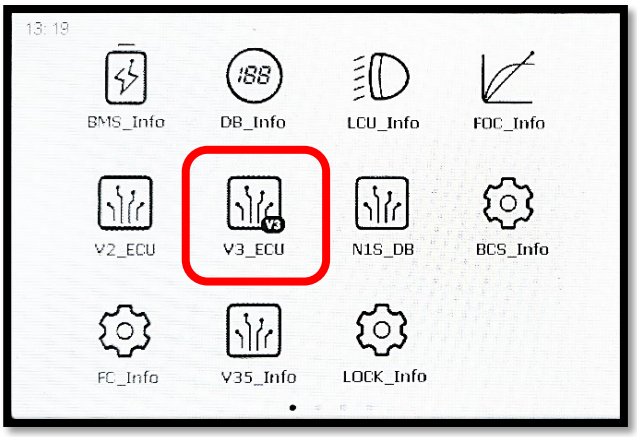
NIU V3LTE (N-Series & M+ Sport)

ECU Software Update via H1 Guide

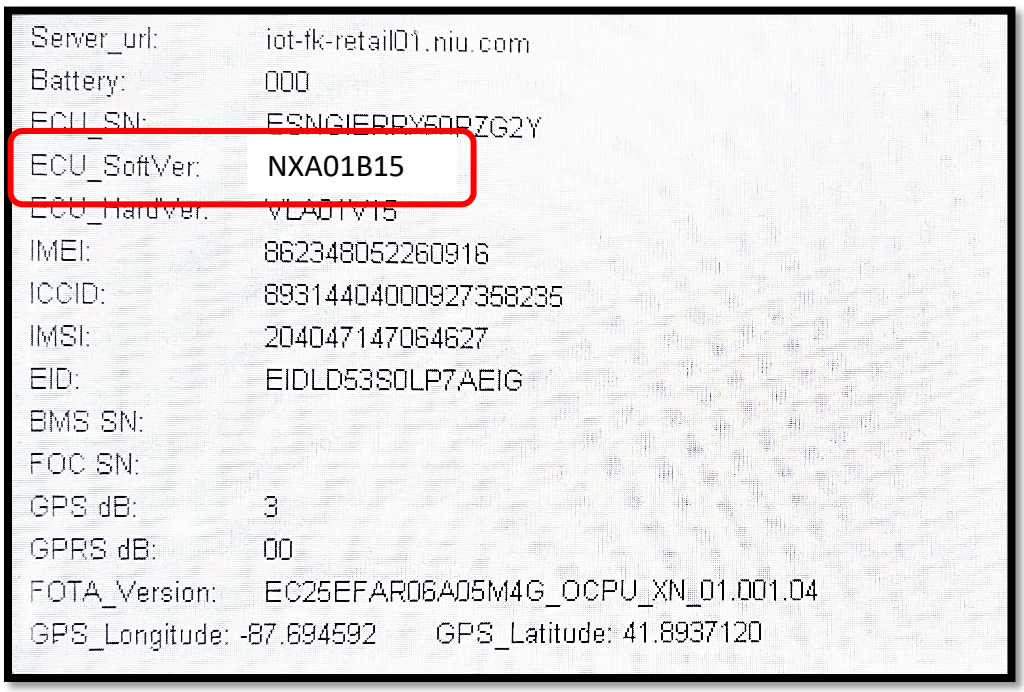
To manually update the NIU V3LTE (N-series & M+) ECU software, follow the directions provided below. If you experience trouble during the update procedure, please reach out to Genuine Scooters for assistance.

1. On your computer, download the V3LTE software files provided by Genuine Scooters. Steps 2 and 3 will be used to help you identify which of these files you will need to install on the scooter. **When the process is complete, your final ECU software version (for V3LTE ECUs) will be either: TRA01B22** or **TRA01E23.**

2. With the scooter turned OFF and at least (1) lithium-ion battery connected, begin by opening the seat of the scooter to access the under-seat charging port. Connect the H1 controller to the scooter. Turn on the H1 controller and tap the ***V3_ECU*** icon.

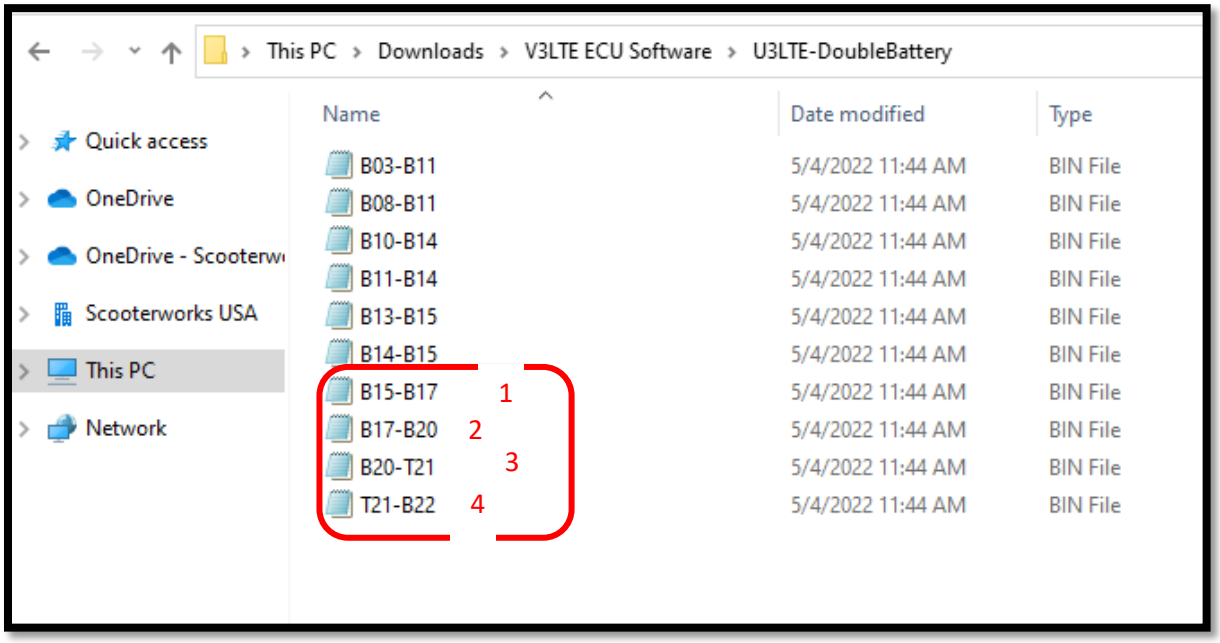


3. Allow the controller to access the current ECU information. When the screen loads, note the ***ECU_SoftVer:*,** highlighted here in **red**. We suggest writing down this ECU Software Version for future reference. This information will help identify which files and in which order are required to update the scooter. After noting this version, tap the ***RETURN*** key below the H1 D-pad.

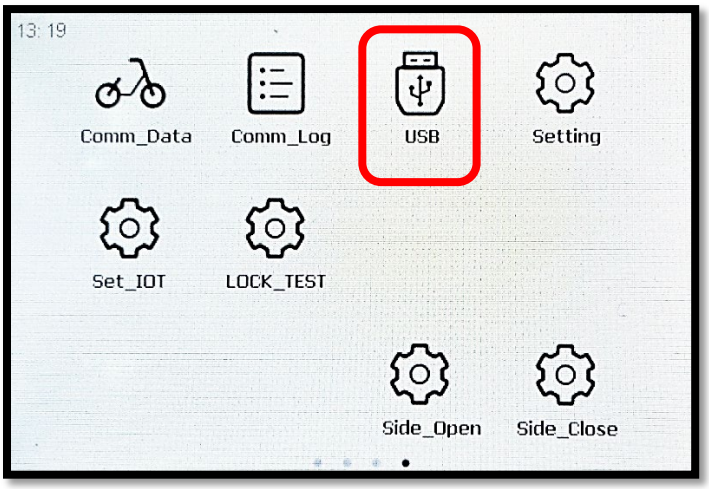


4. Back on your computer, open the folder you downloaded in Step 1. If the scooter is an NQi Sport, select the ***V3LTE-SingleBattery*** sub-folder. If the scooter is an NQi GT/S, select the ***V3LTE-DoubleBattery*** sub-folder. Now, compare the final 3 characters of the software version noted in Step 3 to the files in the appropriate subfolder.

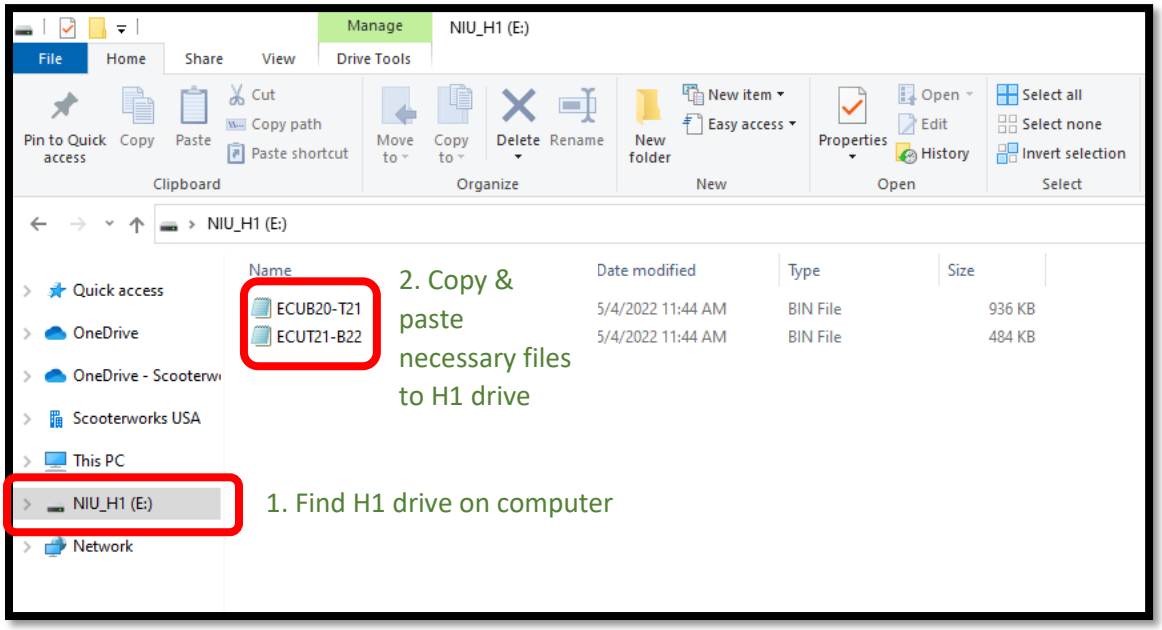
   For example, if the final three characters of the current ECU software version is ***…B15***, the technician must load the following files ***ECUB15-B17, ECUB17-B20, ECUB20-T21****, and* ***ECUT21-B22*** on the H1 and install them, one by one, in numerical order. PLEASE NOTE: because of the H1's limited memory capacity, you can only load a maximum of (4) files at a time. If 5 or more files are required in order to reach the final version, start by loading the first (4) on the H1, install each of those in order, then return to your computer, delete the (4) files from the H1 and load the final, fifth file for installation.



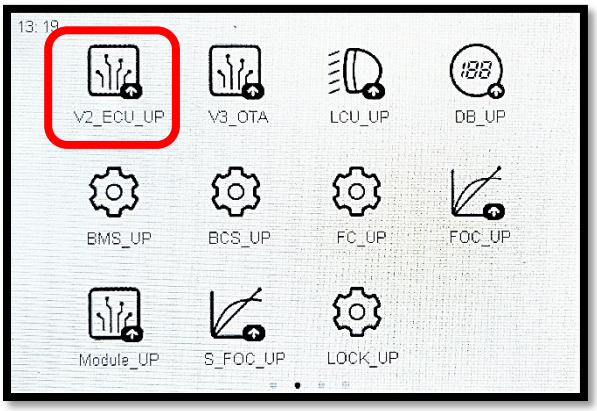
5. To load the necessary files onto the H1, ensure the Micro-SD card that came with the H1 controller is installed in the controller – the card slot can be found on the top face of the controller under the rubber gasket. Next, using the USB A-to-Micro USB cable that came with the controller, plug the computer into your computer. Turn on the H1 controller, and using the D-pad, tap the right arrow until you locate the **USB** icon on the touch screen and tap it.

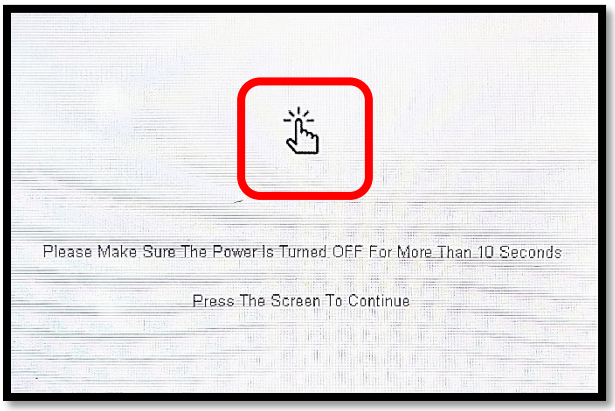


6. The H1 should now connect with your computer. Find the H1 drive on your computer and copy/paste all necessary files downloaded earlier to this drive. (*For this example, we will only copy/paste files ECUB20-T21 & ECUT21-B22; your scooter may require additional files.*)

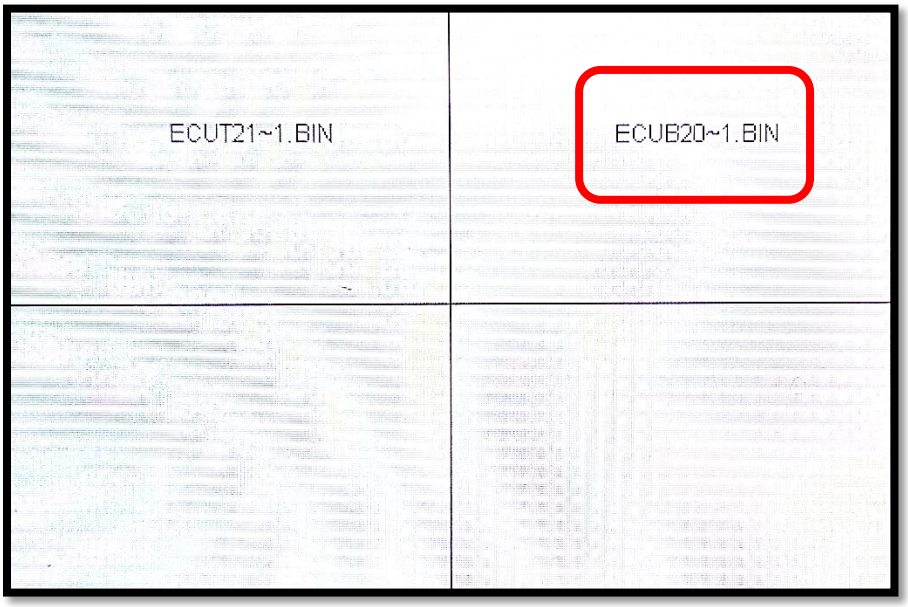


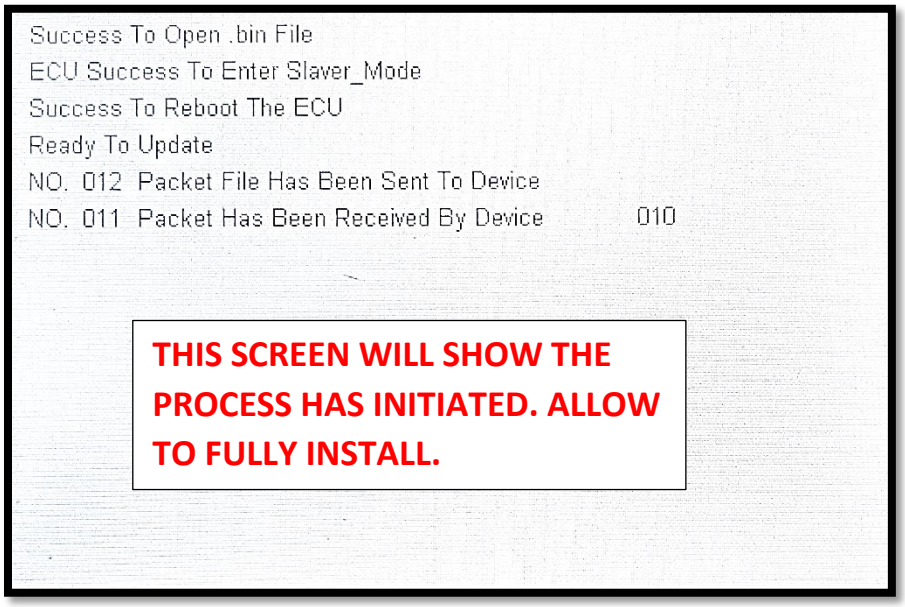
7. With the files loaded onto the H1 controller, disconnect the H1 from your computer and return to the scooter. Once again connect the H1 controller to the scooter at the under-seat charging point. Ensure the scooter is in the OFF position. Using the right arrow, navigate to the **V2_ECU_UP** icon and tap it. On the following screen, tap it when prompted.



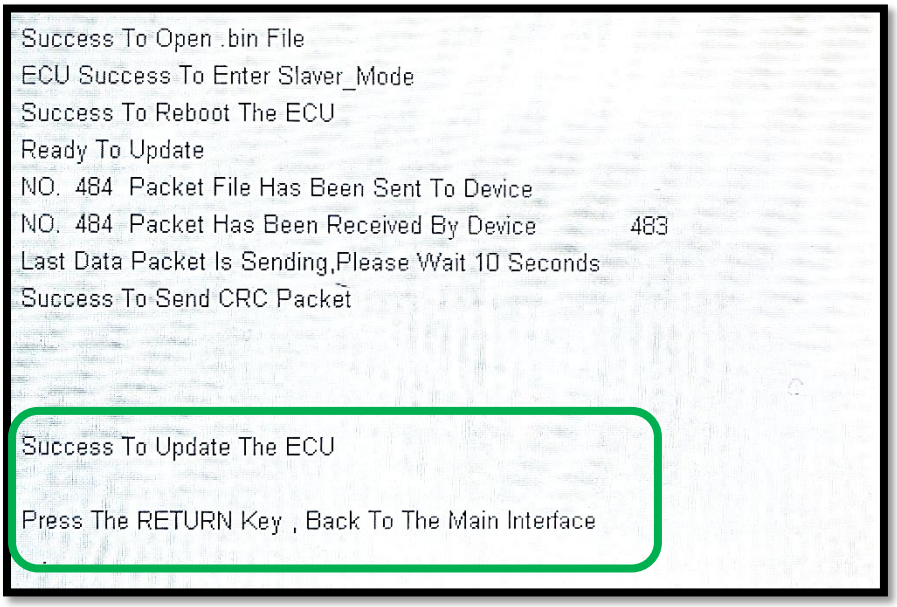


8. When the screen loads showing the files available for installation, tap, the first file in the required order. (*PLEASE NOTE: The number of files required and their position on the screen may be different for each individual scooter and may not match this guide exactly.*) Begin by tapping the first required file. The screen will indicate it has successfully opened the .BIN file and installation will begin.





9. The process for each file install is between 2 and 5 minutes. After the process for an individual file install is complete, a message will appear on the display indicating the file has been successfully installed (noted below in green).



10. If multiple files are required, tap the RETURN key, and then repeat Steps 7 & 8 for each individual file required. If more than (4) files are required to reach the final update, you will have to reconnect to your computer, delete the first four files from the H1 after completing those updates, and then sync the remaining files to the H1 to finish the process.

11. After all updates have been completed, repeat Steps 2 & 3 to verify the current ECU software version number. Ensure the final three characters of the software match one of the following versions: ***…B22 or …E23.***

    Once you have confirmed the scooter has the current software, the process is complete. You may disconnect the H1 controller from the scooter and return the scooter to the customer.

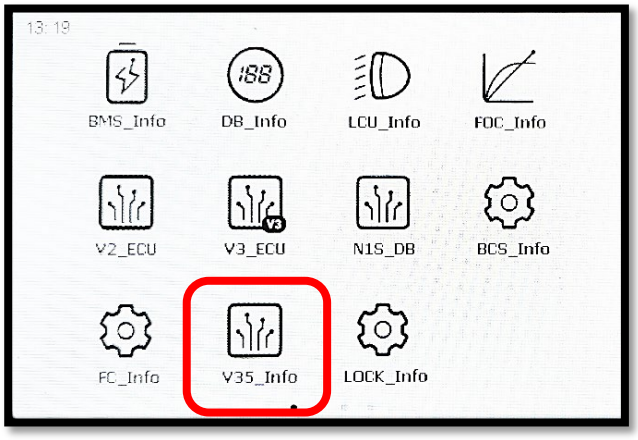
    Please note: if at any time a file does not successfully complete install or the H1 cannot successfully display the ECU software version, turn off the H1, disconnect from the scooter, and then restart that specific step again. If the problem persists, please contact Genuine Scooters.

NIU V35 (MQi GT) ECU Software Update via H1 Guide

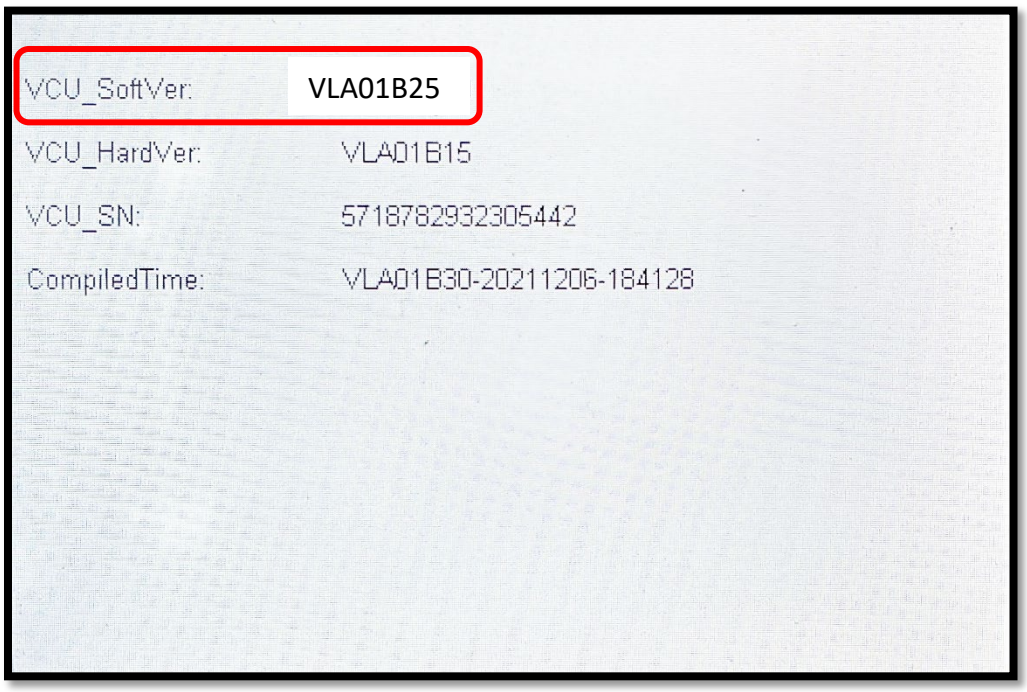
To manually update the NIU V35 (MQi GT scooters) ECU software, follow the directions provided below. If you experience trouble during the update procedure, please reach out to Genuine Scooters for assistance.

1. On your computer, download the V35 software files provided by Genuine Scooters. Steps 2 and 3 will be used to help you verify the software files have been updated by the end of the process. **When the process is complete, your final software versions (for V35 ECUs) will be: VLA01B30** and **VLQ13V07 (or …V08).**

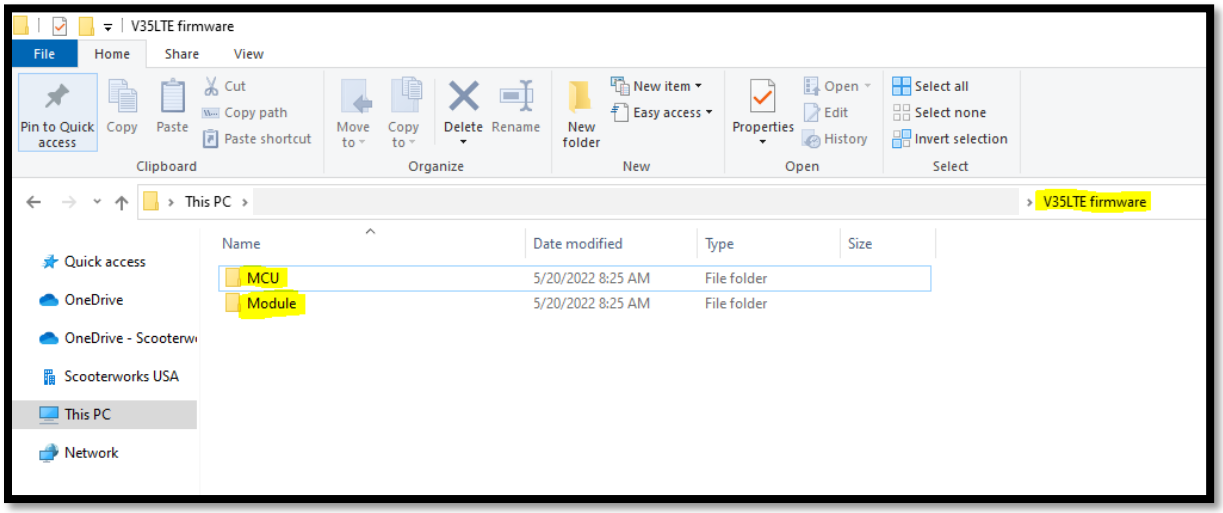
2. With the scooter turned OFF and at least (1) lithium-ion battery connected, begin by opening the seat of the scooter to access the under-seat charging port. Connect the H1 controller to the scooter. Turn on the H1 controller and tap the ***V35_Info*** icon.



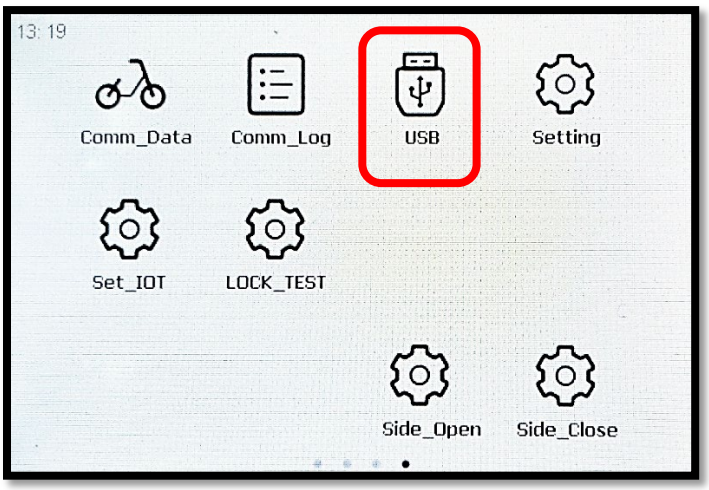
3. Allow the controller to access the ECU information. When the screen loads, note the ***VCU_SoftVer:,*** highlighted here in **red**. We suggest writing down this ECU Software Version for future reference. This information will be used at the end of the process to verify the correct files have been updated. After noting this version, tap the ***RETURN*** key below the H1 D-pad.



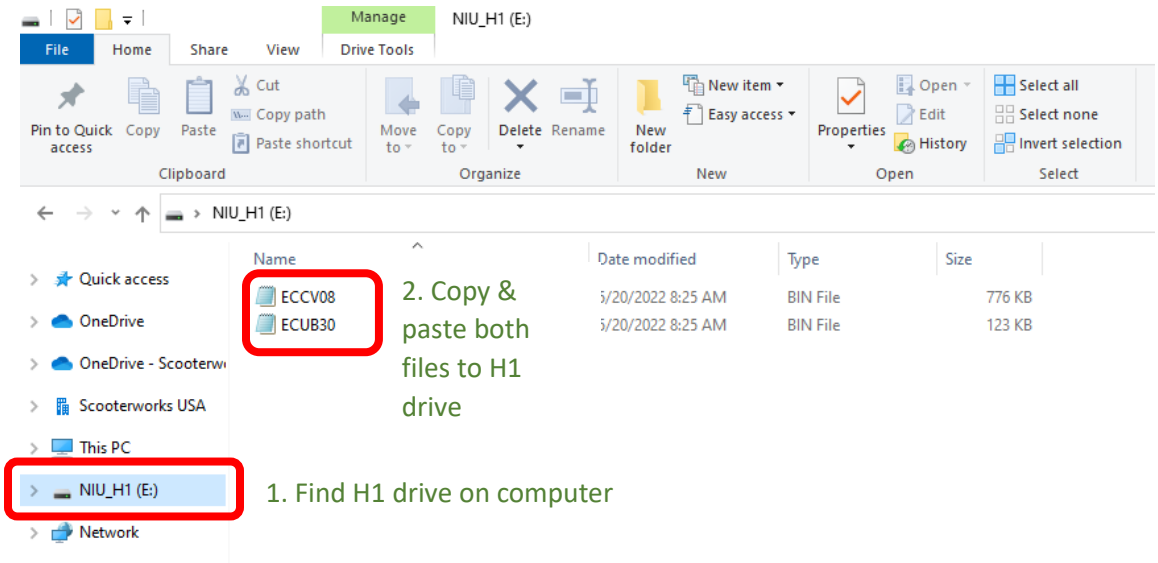
4. Back on your computer, open the V35LTE firmware folder you downloaded in Step 1. Unlike the V3LTE update, only two files are required to install, regardless of current software version. These two files are separated into **MCU** and **Module** subfolders.



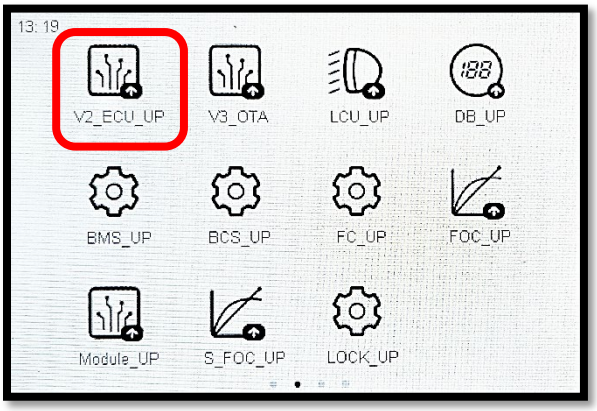
5. To load the necessary files onto the H1, ensure the Micro-SD card that came with the H1 controller is installed in the controller – the card slot can be found on the top face of the controller under the rubber gasket. Next, using the USB A-to-Micro USB cable that came with the controller, plug the computer into your computer. Turn on the H1 controller, and using the D-pad, tap the right arrow until you locate the **USB** icon on the touch screen and tap it.

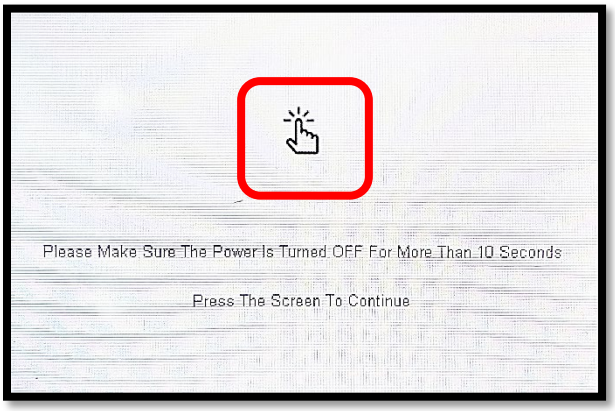


6. The H1 should now connect with your computer. Find the H1 drive on your computer and copy/paste all necessary files downloaded earlier to this drive. (*Make sure to copy both files ECCV08 & ECUB30 – <u>one from the Module folder and one from the MCU folder to the H1</u>*)

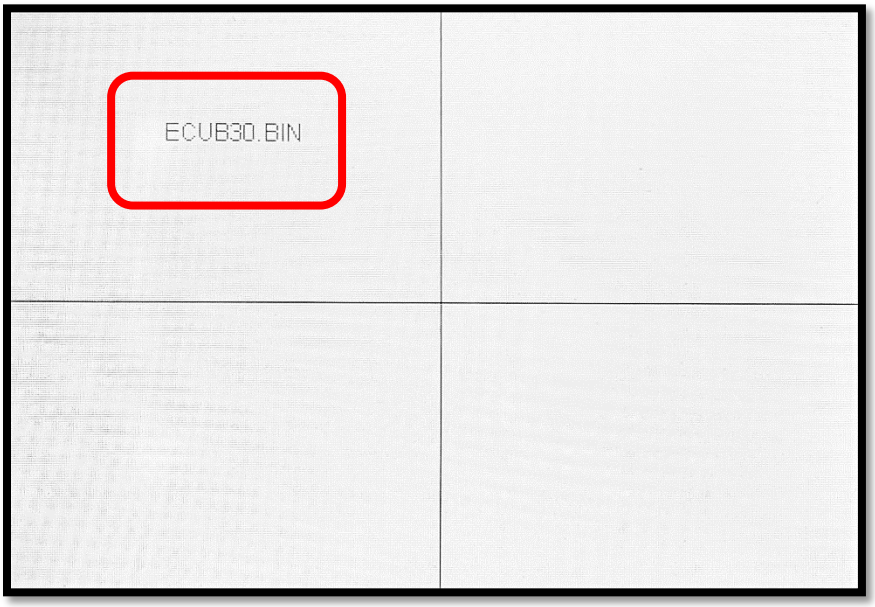


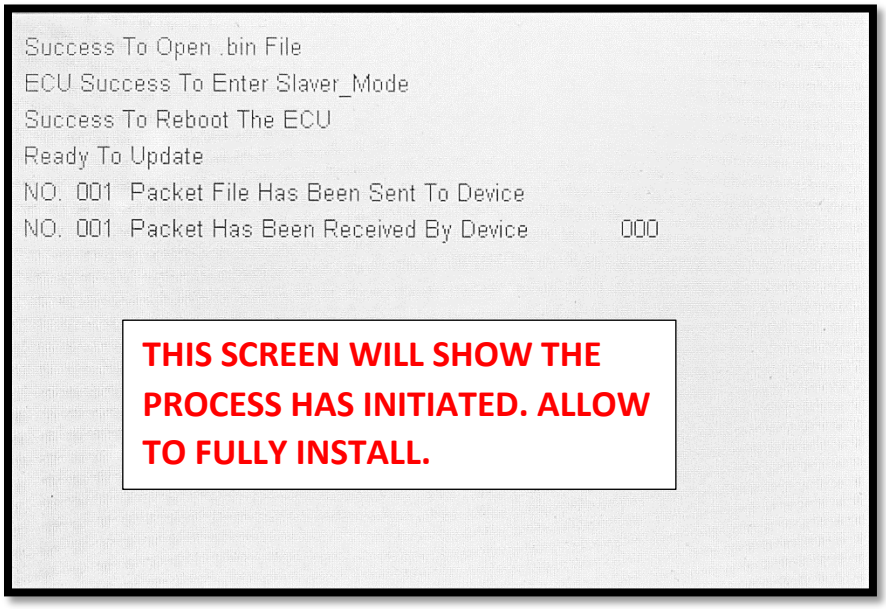
7. With the files loaded onto the H1 controller, disconnect the H1 from your computer and return to the scooter. Once again connect the H1 controller to the scooter at the under-seat charging point. Ensure the scooter is in the OFF position. Using the right arrow, navigate to the **V2_ECU_UP** icon and tap it. On the following screen, tap it when prompted.



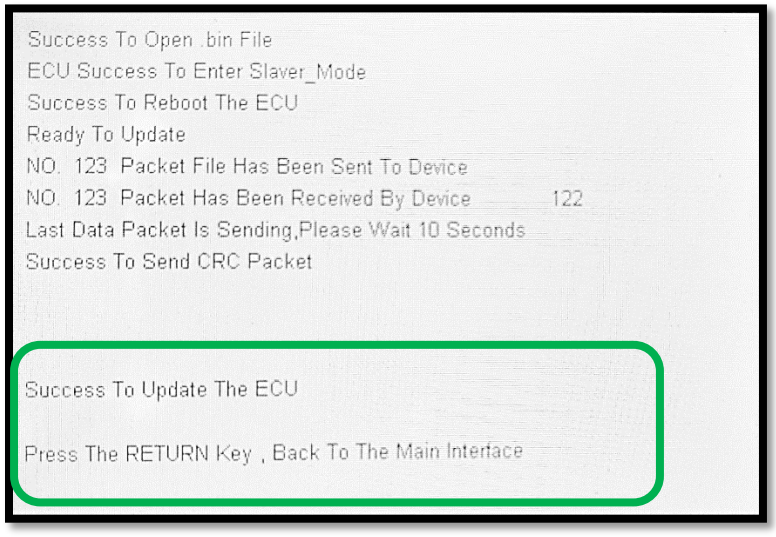


8. When the screen loads showing the files available for installation, tap, the first file in the required order. (*PLEASE NOTE: The number of files required and their position on the screen may be different for each individual scooter and may not match this guide exactly.*) Begin by tapping the first required file. The screen will indicate it has successfully opened the .BIN file and installation will begin.

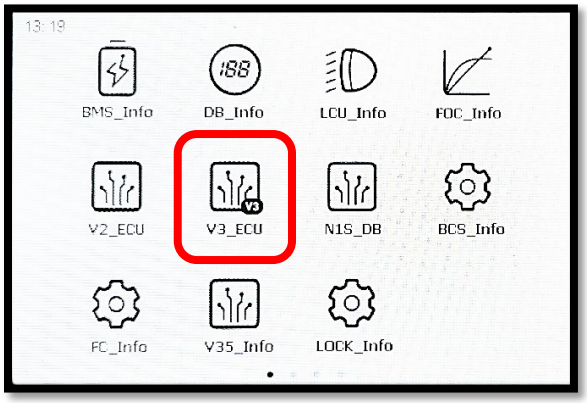


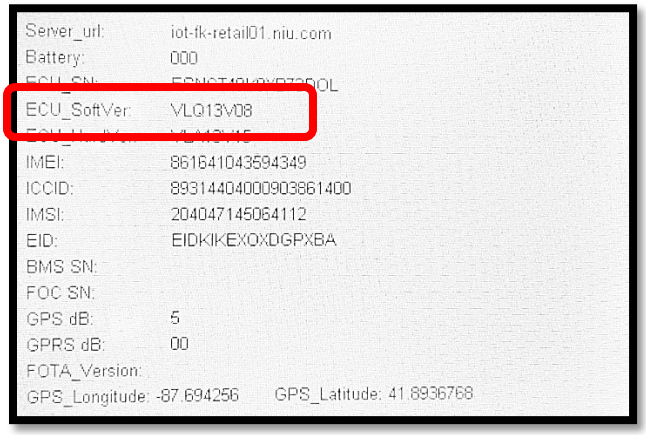


9. The process for each file install is between 2 and 5 minutes. After the process for an individual file install is complete, a message will appear on the display indicating the file has been successfully installed (noted here in green).

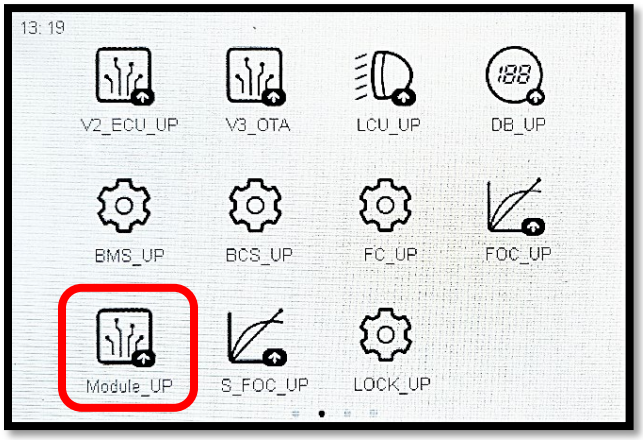


10. Next, tap the return key to navigate back to the H1 home screen. Then, tap ***V3_ECU***. Allow the H1 to load and a string of text should appear. Locate the ***ECU_SoftVer:***, highlighted here in **red**. Note the version for future reference, then tap the ***RETURN*** key below the H1 D-pad.

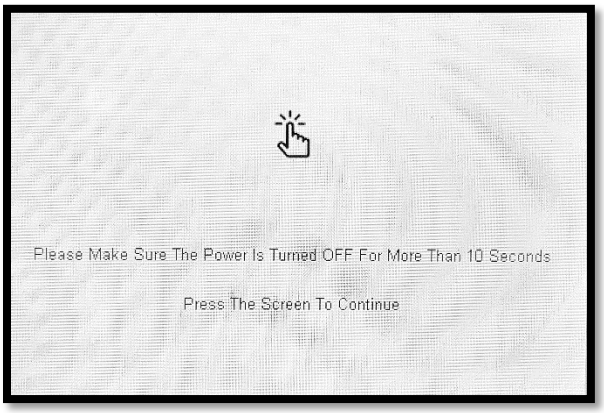




11. After noting the ECU software version, tap the Return button to show the H1 home screen again. Now, locate the ***Module_Up*** icon and tap it.



12. The H1 will then ask you to wait 10 seconds and tap the screen to continue. On the following screen, tap the ECCV08.bin file to initiate the module update process.



13. Similar to steps 8 and 9, a screen will display the progress of the install. Once the screen indicates the process has been successfully completed, you may tap the return key to return to the H1 home screen.

14. Repeat Step 3 to verify the software version now reads: **VLA01B30**. Then, repeat Step 10 and verify the software version now reads: **VLQ13V07 or VLQ13V08.** This completes the update process.

Please note: if at any time a file does not successfully complete install or the H1 cannot successfully display the ECU software version, turn off the H1, disconnect from the scooter, and then restart that specific step again. If the problem persists, please contact Genuine Scooters.