

## SOFTWARE UPDATE PROCEDURE

### EXP-1444 TOYOTA

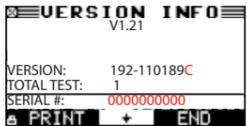


This instruction manual describes the process to update the battery tester.  
Read the instruction and follow the steps.

**Note:** The location of the icons shown on the screen pictures in this procedure may be different from the real location in your battery tester due to different versions.

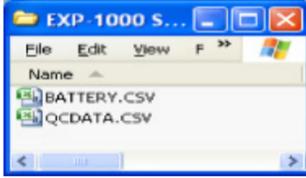
**Step 1. Follow these steps to look up your version information**

The update files required for your battery tester are depending on the current software version of your tester. Check the current software version of your battery tester via the steps below before downloading the update files.

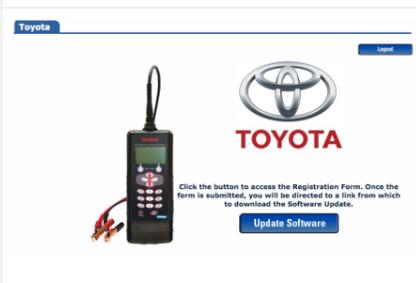
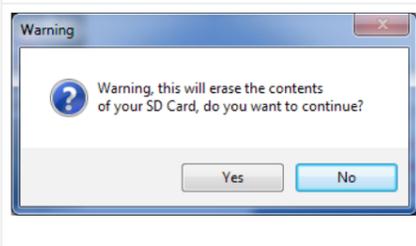
<p><b>Select the INFO menu in the tester</b> Turn on the tester and select INFO in the MAIN MENU of the tester.</p>	
<p><b>Select VERSION INFO</b> Select VERSION INFO in the INFO menu.</p>	
<p><b>Check the software version and serial number</b></p> <p style="text-align: center;"><b>WARNING</b></p> <p><b>IF YOUR SOFTWARE VERSION IS REVISION 'C' (LETTER AT THE END OF THE VERSION NUMBER) AND/OR SERIAL NUMBER EXISTS OF ONLY ZERO'S, DO NOT PROCEED. RETURN YOUR TESTER TO MIDTRONICS EUROPEAN HEAD OFFICE FOR INVESTIGATION AND VERIFICATION.</b></p> <p>Otherwise, please proceed downloading the new software version and follow the instructions of the software update instruction sheet to install the software.</p> <p>The VERSION INFO screen shows the current firmware version of the tester. Always update your software to the newest available software, whether the current version is A or E.</p>	

**Step 2. Preparing the tester for update**

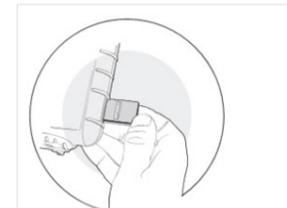
During the following update process, the SD card will be formatted and therefore the stored data will be lost. To save the historical data, remove the SD card from the tester and save the files on the SD card onto a local PC first.

	<p><b>Insert SD card into computer</b> Insert the SD card into the PC.</p>
	<p><b>Store historical data</b> Store both *.CSV files from the SD card to a local PC to prevent loss of the data during the update process.</p>

**Step 3. Download and save software update files to SD card**

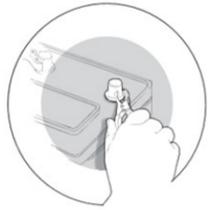
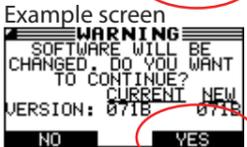
 <p><b>Customer Page Access</b> Midtronics maintains secure, password-protected pages for our customers. To access your page, enter your username and password (both are case-sensitive). To obtain login information or if you have forgotten your username or password, please contact your company's Midtronics program administrator.</p> <p>Username: TMEupdate Password: exp1444</p> <p>Log In</p>	<p><b>Login to TME environment on Midtronics website</b> Go to <a href="http://www.midtronics.com/client-log-in">www.midtronics.com/client-log-in</a> and use the below login details:</p> <p>Username: TMEupdate Password: exp1444</p> <p>Fill out the form, all five fields are required.</p> <p>Note that you need to provide the software serial number, <b>NOT</b> the product serial number displayed on the tool's back label.</p>
 <p>Toyota</p> <p>Click the button to access the Registration Form. Once the form is submitted, you will be directed to a link from which to download the Software Update.</p> <p>Update Software</p>	<p><b>Download update files</b> Download the file: EXP-1444 Rev F.exe. Doubleclick the zipped .exe file to open and unzip the software update files. The Midtronics SD Card Image Wizard will open up.</p>
 <p>Warning</p> <p>Warning, this will erase the contents of your SD Card, do you want to continue?</p> <p>Yes No</p>	<p><b>Copy update files to SD card</b> If you have secured the data from the SD card, click 'Yes' to proceed passed the warning that the SD card content's will be erased.</p> <p>The Midtronics SD Card Image Wizard copies the update files to the SD card for you. It will tell you when writing is completed.</p>

**Step 4. Save configuration**

	<p><b>Insert SD card in tester</b> Insert the SD card back into the tester.</p>
 <p>MAIN MENU UTILITY SELECT</p>	<p><b>Select Utility menu in tester</b> Turn on the tester and select UTILITY from the MAIN MENU of the tester.</p>
 <p>UTILITY UPDATE BACK SELECT</p>	<p><b>Save tester configuration</b> Select UPDATE from the UTILITY MENU.</p>
 <p>UPDATE 1 OF FIRMWARE 2 SAVE CONFIG 3 LOAD CONFIG BACK NEXT</p>	<p><b>Save tester configuration</b> Select option 2 SAVE CONFIG and press NEXT / OK.</p>

**Step 5. Update tester firmware**

The tester is now ready to be updated with the update files copied onto the SD card. Follow the steps below to update the tester firmware.

	<p><b>Connect to 12 volt battery</b> Connect the tester to a 12 volt external battery to prevent loss of power during the software update.</p>
	<p><b>Select Utility menu</b> Select UTILITY from the MAIN MENU of the tester.</p>
	<p><b>Select Update menu</b> Select UPDATE in the UTILITY MENU.</p>
	<p><b>Update tester firmware</b> Select option 1 FIRMWARE and press NEXT.</p>
<p>Example screen</p> 	<p><b>Update tester firmware</b> As soon as the update warning screen appears, select YES.</p>
	<p><b>Update tester firmware</b> The tester will start reprogramming the flash memory. This will take approximately 5 minutes.</p>
	<p><b>Update tester firmware</b> After the flash update the tester will reprogram the EEPROM memory.</p>
<p>UPDATE COMPLETE TURN OFF TOOL AND REPLACE MMC UPDATE CARD WITH DATA CARD</p> <p><b>REBOOT TO CONTINUE</b></p>	<p><b>Reboot tester</b> After the reprogramming is complete, the tester will prompt to restart the tester.  Switch the tester OFF and ON again. The new software is now loaded onto the tester.</p>

**Step 6. Reinstall original tester configuration**

After the update of the firmware the tester is back into factory settings. To reload the original configuration settings of the tester, follow the steps below.

	<p><b>Select Utility menu</b> Turn on the tester and select UTILITY from the MAIN MENU of the tester.</p>
	<p><b>Select Update menu</b> Select UPDATE from the UTILITY MENU.</p>
	<p><b>Load original configuration</b> Select option 3 LOAD CONFIG and press NEXT / OK.</p>
	<p><b>Reboot tester</b> After your personal configuration settings is reloaded onto the tester, switch the tester OFF and ON again.</p>

**NOTE: DO NOT RELOAD THE OLD .CSV FILES BACK TO THE SD-CARD!**