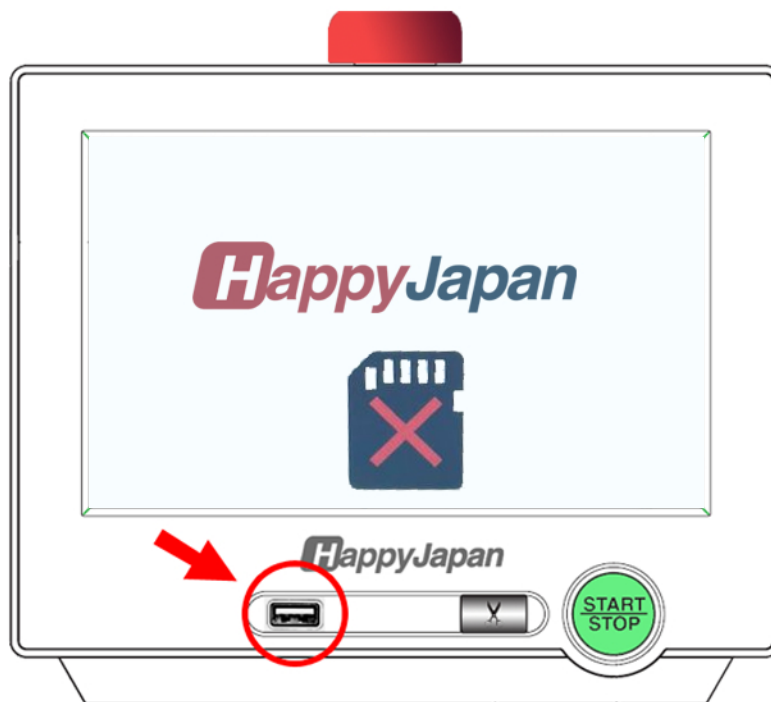# SD card format (repair) function

This document outlines a procedure for reformatting the machine's internal memory card in the event that its data becomes corrupt, possibly resulting in the following screen at startup:



IMPORTANT NOTES ABOUT THIS PROCEDURE

1. This procedure only applies to the newer touchscreen control panels with the additional front USB port (highlighted by the red circle in the illustration above) with firmware 3.04 or newer already installed.

2. This procedure allows the internal (SD) memory card to be re-formatted without needing to physically take apart the control panel to remove the card.

About SD card format (repair) function

     This is a function to format the SD card and create new data.

     An update package is required to use this feature.

     Always use the latest version of the update package.

     In addition, the SD card is formatted by a method called "EXT4".
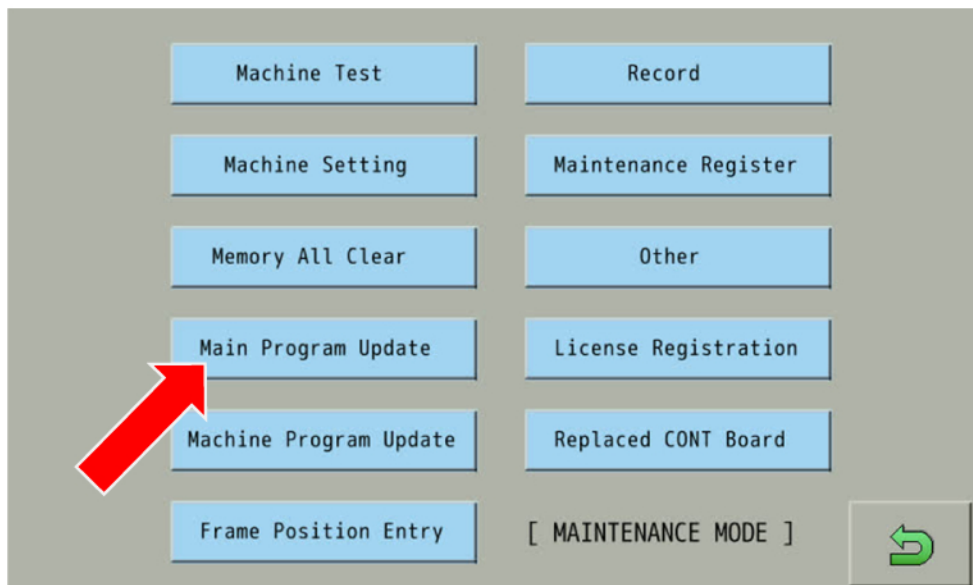
     With this format, Windows will not be able to see the file.

     Also, please note that all pattern data and setting files saved in the embroidery machine will be deleted.

1. At this point, start maintenance mode.

   (Start maintenance mode on the opening screen instead of the operation screen.)

   While pressing the "Start" button and press "NEXT".



2. On the maintenance mode screen, insert the USB memory containing the "Update package" into the control box, and select "Main Program Update" while pressing both the "Start key" and "Cut key".

3. If the USB memory is inserted, "Search Update Data (.IMG)" will be displayed.

   Since the data in the USB memory is being read, wait for a while.

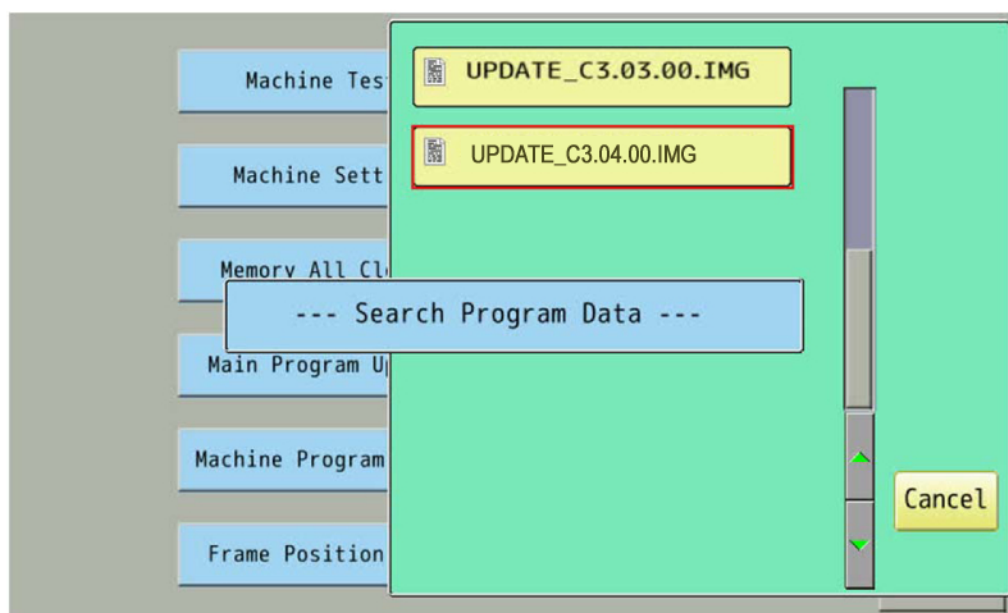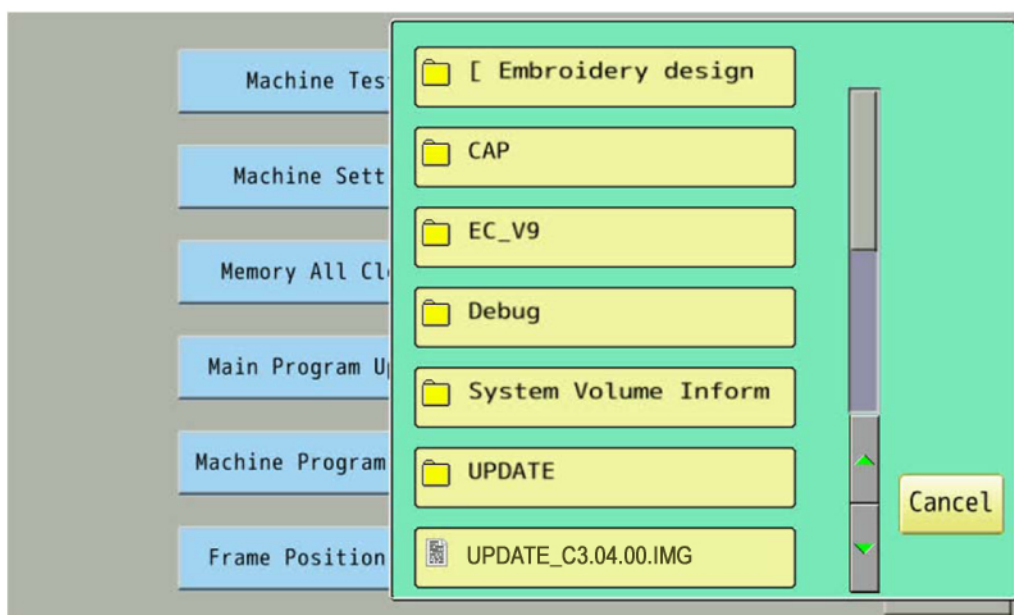   * If the USB memory is not inserted, "E-133 Bad disk" will be displayed.

      If an error occurs even if the USB memory is inserted, the USB memory is not recognized, so please wait for a while.

   --- Search Update Data (.IMG) ---

4. When the USB memory is recognized normally, the Update package (.IMG) in the USB memory can be selected.

   This "Update package" will be the base file for recovery, so please use the latest version.

   * In the example image, "UPDATE_C3.04.00.IMG" is selected.

   | Machine Tes | [ Embroidery design |
   | Machine Sett | CAP |
   | Memory All Cl | EC_V9 |
   | Main Program U | Debug |
   | Machine Program | System Volume Inform |
   | Frame Position | UPDATE |
   | | UPDATE_C3.04.00.IMG |

   Cancel

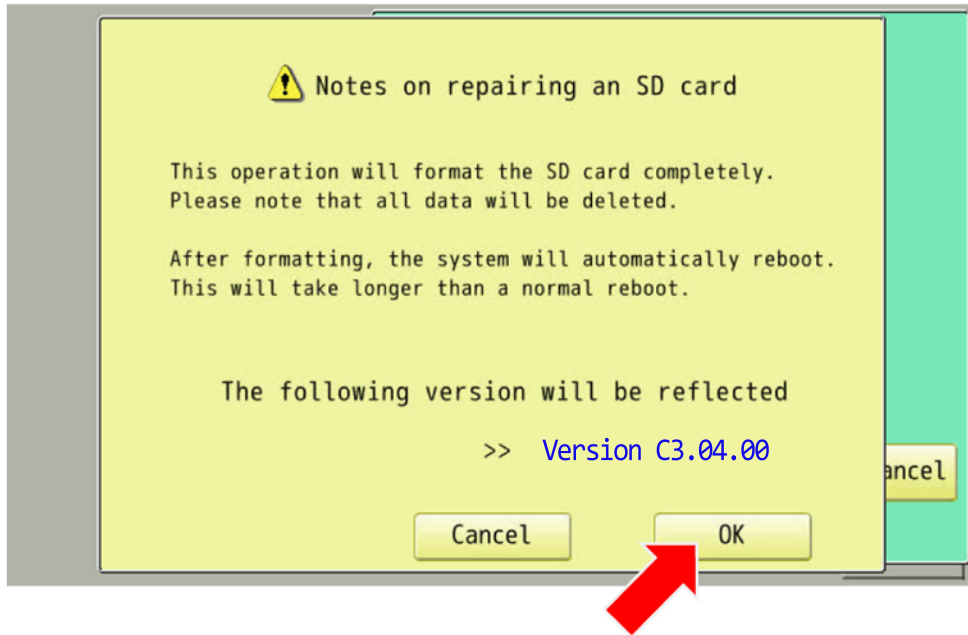   | Machine Tes | UPDATE_C3.03.00.IMG |
   | Machine Sett | UPDATE_C3.04.00.IMG |
   | Memory All Cl | |
   | | --- Search Program Data --- |
   | Main Program U | |
   | Machine Program | |
   | Frame Position | |

   Cancel

5. If the correct update package is selected, the version name will be displayed.
   when the selected version is correct, select "OK" to proceed.
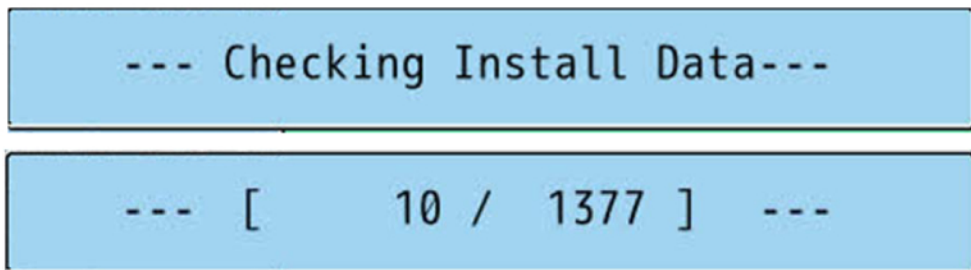   * If "OK" is selected, all data will be deleted.
   If "Cancel" is selected, you can return to maintenance mode, so please check again.



6. When "OK" is selected, the data on the SD card will be formatted and new data will be
   generated using the selected update package.
   After the data is generated, it will be restarted automatically.
   At this time, it takes longer than normal startup.



When the opening screen is displayed and when "NEXT" is selected, a new file will be created, so it will take longer than usual.



7. The repair work has been completed.