

MSA340 software version 2.32 update:

Before installing the new 2.32 version software, export and delete the memory currently stored in the MSA340 processor. Failure to do this can result in incorrect fusion ID number sequencing. Instructions to download and delete the processor's memory can be found below.

Features of the 2.32 software version:

- The term "Revision" previously displayed by the MSA340 has been replaced with "Calibration".
- The term "Protocol" previously displayed by the MSA340 has been replaced with "Fusion".
- In previous software versions, the "Operator Identity" had to be enabled to use the "Job Number" function. Software version 2.32 allows these two configurations to be enabled and disabled independently.
- Additional flexibility with the "Operator Identity". When set to "Free" in the configuration settings, the Operator ID can be entered scanning a barcode (using Code 128 format), or it can be input manually using the keypad on the processor. The "Operator Identity" can be any alpha-numeric combination ranging from 1 to 16 characters**.

Additional flexibility with "Job Number" data entry. When set to "Optional" in the configuration settings, the Job Number (installation addresses, work order numbers, etc...) can be entered by scanning a barcode (using Code 128 format), or it can be input manually using the keypad on the processor. The Job Number can be any alpha-numeric combination ranging from 1 to 16 characters**.

- Terminology for the "Operator ID" and "Job Number" settings has changed. The new terms and descriptions can be found in the updated operation manual attached to this email.
- An addition to the data acquisition capabilities where a "Calibration Expired" field has been created within the memory download that documents if the MSA340 electrofusion processor was beyond the calibration due date when the fusion was performed.

** When creating a Code 128 Operator or Job Number barcode, all 16 digits must be populated. "Spaces" are considered characters and can be used meet the 16-digit requirement if the Operator ID or Job Number is less than 16 characters.

Instructions to download memory log from MSA processor.

1. Power the processor up.
2. After the initial startup screen, the “**Connect Fitting**” screen will be displayed ---- press the **MENU** button.
3. When “**Data Retrieval**” is displayed, press the green “Start/OK” button. “View Protocols” will be shown.
4. Press the down arrow button so that “Export Protocols” is shown and press the green “Start/OK” button.
5. Insert a USB memory stick into the USB connector on the front panel of the machine (new style MSA) or back of the machine (old style stand-up MSA).
6. PDF and CSV formats are available; use the down arrow button to scroll between the two formats (the PDF files can be opened with Acrobat® Reader, while the CSV file can be imported in Microsoft® Excel, or any other electronic spreadsheet, for further analysis).
7. Press START/OK (I) button to start the data transfer. You can download both formats (separately). Download using one format, wait until that operation is done, then scroll down to download in the other format. You can differentiate downloads stored on the USB stick because the processor serial # is assigned to each memory log.

Attention: A message asking to overwrite the file will appear if the memory stick already contains a file with the same name and extension. By Pressing START/OK (I), the old data will be overwritten and the newest data stored.

Wait until the message “EXPORT IN PROGRESS” disappears, then extract the USB memory stick from the processor, and connect the memory stick to a PC for data upload.

Deleting the fusion memory from the MSA electrofusion processor.

1. Power the processor up.
2. After the initial startup screen, the “**Connect Fitting**” screen will be displayed ---- press the “MENU” button.
3. When “**Data Retrieval**” is displayed, press the down arrow button so that “**Machine Setup**” is shown and press the green “Start/OK” button.
4. “**Language Setting**” will be displayed. Press the down arrow button so that “**service mode**” is shown and press the green “Start/OK” button.
5. “**Enter Password**” is displayed. Using the keypad, enter “000000” (or your own password if you have changed the default version) and press the green “Start/OK” button.
6. The screen will say “**Operation Done**” when the password has been entered correctly and advance to display “**Change Password**”. At this point Press the red “Stop/ESC” button twice.
7. “**Date/Time setting**” will be displayed. At this point Press the red “Stop/ESC” button.
8. “**Machine Setup**” will be displayed. Press the UP arrow.
9. “**Data Retrieval**” will be displayed. Press the green “Start/OK” button
10. “**View Protocols**” will be displayed. Press the Down arrow until “**Delete Protocols**” is displayed.
11. Press the “Start/OK” button TWICE and the processor will delete the processor memory.
12. When “Operation Done” is displayed, all the memory has been cleared.