

Technical News Bulletin

April 12th, 2008

SI Replacement Monitor

Due to various obsolescence issues, the 919520002 SI monitor is no longer available. In order to replace this monitor, the software that runs the SI had to be changed. The software change is minor and will not affect the operation of the machine; it will, however, require the replacement of an EPROM. In order to ensure that the correct monitor replacement kit is ordered, the current software version must be cross referenced with the table below. From this, the correct version of the 26746A SI Replacement Monitor kit can be ordered.

KIT PART NUMBER	Old Part Number	Old Software kit Part number	U9 Checksum	Software Part Number
26746A1	155923001	155567001	347C	26747A1
26746A2	155569001	155567002	5F5B	26747A2
26746A3	155569002	155567003	5F5B	26747A3
26746A4	155569003	155567008	5F5B	26747A4
26746A5	155571001	155567004	5F5B	26747A5
26746A6	155571002	155567005	5F5B	26747A6
26746A7	155571003	155567007	5F5B	26747A7
26746A8	155213406	155567006	A40F	26747A8
26746A9	155213407	155567009	A51A	26747A9
26746A10	155213408	155567010	A245	26747A10
26746A11	155213410	155567011	ACEE	26747A11
26746A12	155213411	155567012	BF40	26747A12

Procedure for determining the SI software version:

- Stop ware flow through the SI
- Remove power from the SI by using the power switch located in the front left of the machine
- Unscrew and remove the keyboard module from the SI
- Turn the module so that the left circuit board is clearly visible as shown in Figure 1
- On each of the EPROMs on the Keyboard module, there will be a label. This label will detail the software part number and version installed in the SI (Figure 2)

- Once the software part number has been determined, use the table on page 1 of this drawing to determine which 26746A kit to order. In the case shown in figure 2, the software part number is 155923001. This part number corresponds to 26746A1.

The SI Replacement Monitor Kit will contain 2 items: the replacement monitor and an EPROM. The installation of the monitor is straightforward and identical to previous replacements. The EPROM will contain the new software and will have to be installed in the SI's keyboard module. The procedure to replace the EPROM is included in the Kit's instructions and is duplicated below for convenience.

Procedure for replacing the EPROM

- Stop ware flow through the SI.
- Remove power to the SI using the power switch located at the left side of the console.
- Unscrew and remove the keyboard module from the SI.
- Remove the keyboard module to an ESD safe location. Proper ESD protocol is to be followed throughout the rest of this procedure.
- Locate the EPROM labeled U-9. The correct EPROM is shown in figure 3
- Remove U-9 from the keyboard module
- Install the EPROM labeled U-9-NEW in the same location ensuring that the orientation of the chip is correct
- Reinstall the keyboard module in the SI
- Reapply power to the SI
- Verify that the job settings are still present in the SI; it may be necessary to re-setup the current job

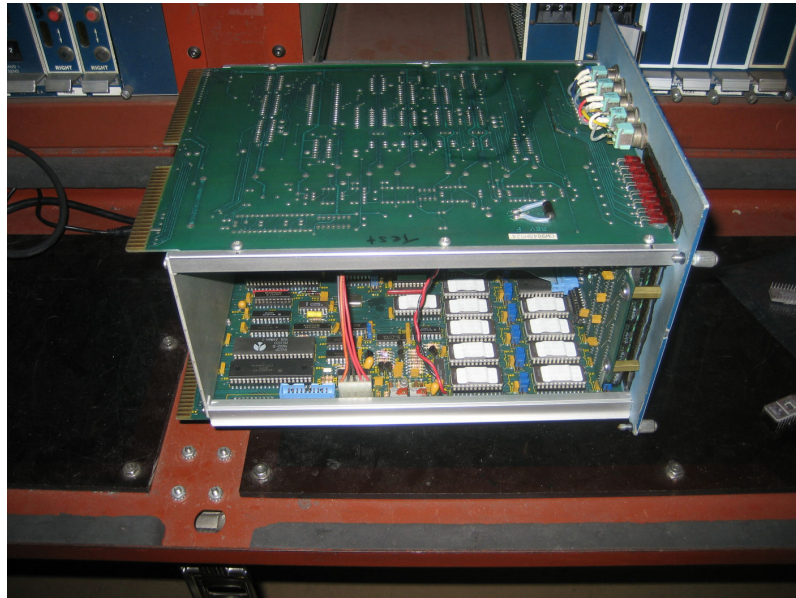


Figure 1: View of Keyboard module showing location of EPROMs



Figure 2: Close-up of EPROM showing software part number and version.
In this case, the software part number is 155923001.

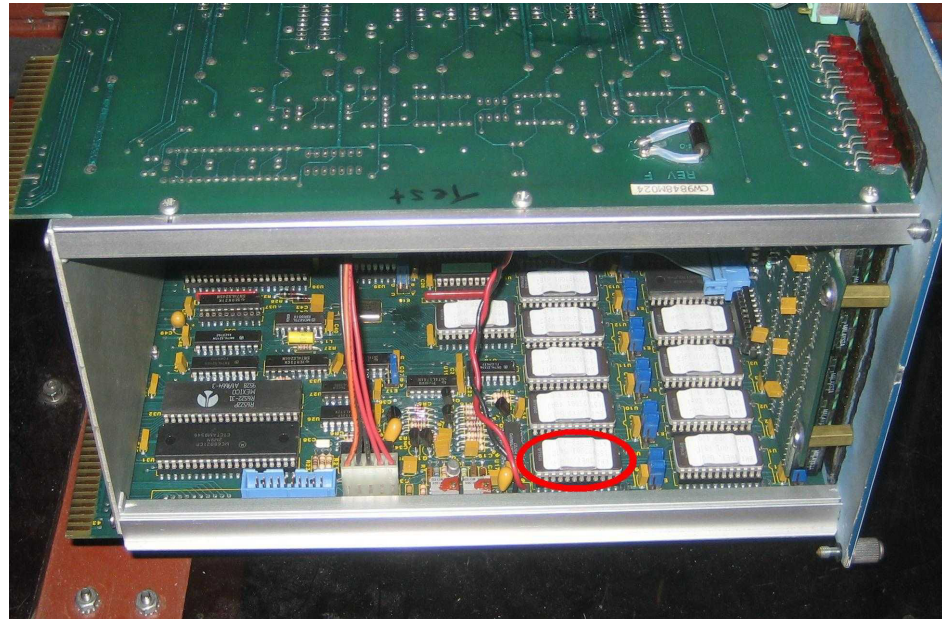


Figure 3: SI Keyboard module with EPROM U-9 circled in red.