



Tech Info Library

Macintosh XL: Screen Kit Notes

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Security: Everyone

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1. The Macintosh XL Screen Kit alters the video display of a Macintosh XL (Lisa 2/10 or Lisa 2) so that the video display pixels are square (as on the Macintosh screen) as opposed to the pixel ratio on the Lisa (2 units wide by 3 units tall). This eliminates the distortion experienced by XL users when running Macintosh software under MacWorks XL. The video display is changed from 720 x 364 to 608 x 431 pixels.

2. The kit contains 4 components:

1 transformer	installed in line with the yoke of the CRT (yellow and green wires)
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Video State ROM	P/N 341-0348	installed in location C 6 (CPU Board)
Boot ROM (High)	P/N 341-0347	installed in location D 13 (CPU Board)
Boot ROM (Low)	P/N 341-0346	installed in location D 14 (CPU Board)

3. The version of the boot ROM that is displayed in the upper left corner of the XL while booting is 3A. On an XL the I/O ROM is still 88; on the Lisa 2 the I/O ROM is A8.

4. A new version of Mac XL Test, P/N 077-0206 is required to run diagnostics on a pixel modified Macintosh XL. Earlier versions of XL Test will not run properly on a modified XL.

5. A full screen dump on a Macintosh XL still wraps the right part of the screen around to the left side of the printer page, but due to the reduced number of pixels horizontally, 720 vs. 608, the printing does not actually overwrite the left side of the screen dump.

6. The pixel fix kit greatly improves the performance of Microsoft Chart. The printed graph does not show up in unexpected locations on the printed copy after it looked perfect on the screen of your XL.

7. Very important: Once the pixel fix kit is installed, the customer will be unable to run Lisa software. Since the first part of the Lisa-to-Mac migration is run under the Lisa Office System, which cannot be done on a system that has been modified with the Screen Kit, install the pixel fix after you use the migration utility to transfer your Lisa software to the Macintosh environment.

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