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## Macintosh Classic: New Part Nos. for Replacement HDs (4/93)

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### TOPIC -----

This article describes a part number change on the 40MB and 80MB hard drives for the Classic and Classic II.

### DISCUSSION -----

Until November 1992, Macintosh Classic and Classic II computers were manufactured using 40MB and 80MB drives supplied by Quantum, Conner, and IBM. These drives were serviced by module replacement. The replacement 40MB drive (P/N 661-0614) could be either a Conner, IBM, or Quantum module; the replacement 80MB drive (P/N 661-0624) could be either a Quantum or IBM module.

In November 1992, a new family of 40MB and 80MB hard drives manufactured by Quantum -- the Quantum Pro ELS series -- was introduced into production of the Classic II computers. These new drives were believed to be completely compatible with the previously shipped drives. It was, however, discovered in manufacturing that these new drives caused a small amount of video distortion in the lower right hand of the raster. During November and December, Classic II systems were manufactured with these drives and the distortion was eliminated by adjusting the deflection yoke magnets.

The original service strategy was to include these Quantum Pro ELS drives in Service part numbers 661-0614 and 661-0624. Because of the distortion issue, the Service strategy was modified and two new Service part numbers were assigned to the Quantum Pro ELS series drives -- part number 661-0773 for the 40MB module and part number 661-0111 for the 80MB module.

To avoid video distortion in Classic systems when replacing a 40MB or 80MB hard drive, it is important that all Quantum Pro ELS drives be replaced like-for-like with Quantum Pro ELS modules. It is equally important to replace any non-Quantum Pro ELS drives with non-Quantum Pro ELS modules.

At present, the field documentation does not reflect the need to identify

the Quantum Pro ELS drives. The April Service Prices include the two additional part numbers, and the module number strategy change will be included in the June update to the Apple Service Guide for Module Identification.

Until all of the documentation is updated, when replacing a Quantum Pro ELS module in a Classic II, you should order part numbers 661-0773 and 661-0111 for the 40MB and 80MB replacement modules -- NOT part numbers 661-0614 and 661-0624. This will ensure that your customer's system is returned in its original performance condition.

If after servicing a Classic or Classic II computer, you observe distortion in the lower right corner of the raster, make sure you have made the appropriate like-for-like exchange. If you have not, install the correct Service module in the system and return the incorrect module to your Service Stock, since it is not defective. Do not attempt to adjust the yoke or replace the CRT to correct the video distortion.

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