

Macintosh: 40MB Internal, 1-Inch, 3.5 SCSI HDA Issues Addressed

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TOPIC -----

The 40MB Internal, 3.5 SCSI HDA (part number 661-0464) is being replaced by the 40MB Internal, 1-Inch, 3.5 SCSI HDA (part number 661-1629). How can I tell the difference between the 661-1629 HDA for the Macintosh SE, Macintosh SE/30, Macintosh II, Macintosh IIx, Macintosh IIcx, Macintosh IIci, and Macintosh IIfx and the 661-0614 HDA for the Macintosh Classic, Macintosh LC, and Macintosh IIsi?

Also, what ships with the 661-1629 HDA?

DISCUSSION -----

There has been some confusion surrounding the new Quantum 661-1629 HDA. These issue have been addressed by Apple Service:

40MB, 1-Inch, 3.5 SCSI HDA (part numbers 661-1629 and 661-0614)

The 661-1629 HDA has been tested for the Macintosh SE, Macintosh SE/30, Macintosh II, Macintosh IIx, Macintosh IIcx, Macintosh IIci, Macintosh IIfx, and external 40MB drives. The 661-0614 HDA has been tested for the Macintosh Classic, Macintosh LC, and Macintosh IIsi. These drives are technically the same (Quantum 1-inch) but ship under different part numbers.

Module ID Guide

The July Service mailing for the Module ID Guide, Drives section, page 6.10.2, illustrates the 40MB Internal, 3.5 SCSI HDA (part number 661-0464). There is a notation at the bottom of the page regarding the 661-1629 HDA. It states that, if a Service Provider returns a 661-0464 HDA and receives a 661-1629 HDA as a replacement, the 661-0464 HDA will not fit in the drive packaging. To make the defective drive fit, detach the Carrier Bracket and LED before returning it to Apple.

1-Inch Drive Packaging (part number 602-1023)

The October Service mailing, Price pages will include 1-inch drive packaging materials (part number 602-1023). The November Service mailing will include a Service Notice on the 1-inch packing strategy.

Hard Drive Torque Requirements--STR FLASH!!!! 032

The 661-0464 (HDA, 40MB Internal, 3.5 SCSI) is now being replaced by the 661-1629 (HDA, 1" 40MB Internal, 3.5 SCSI). The 661-1629 is subject to the same torque and installation considerations as other 1" height drives (661-0614 and 661-0624), namely, that the screw heads be torqued to approximately eight inch-pounds. The proper tool for this procedure is part number 076-0390 or equivalent. The procedure is documented in Macintosh Family Technical Procedures, Volume 2, for the Macintosh IIsi, LC, and Classic, in the Hard Disk Drive tab, Replacement procedure. All other Technical Procedures will be updated at a later date to reflect this information.

Failure to torque the drive properly can lead to many different failure symptoms including inability to spin up, excessive data errors, intermittent failures of many types, crashes, and so on. When troubleshooting these drives, be sure to check the torque of the mounting screws.

661-1629 HDA Shipping Configuration

As of July 22, 1991, the 661-1629 HDA ships with a Macintosh SE carrier bracket, in-line power cable, LED, and screws. Service Providers should continue to use Technical Procedures for the correct repair strategy.

Carrier/LED Grommet

The Technical Procedures, Cross Family Peripherals, Vol. 1, shows the proper removal and replacement of the LED grommet. A grommet also ships on the Macintosh SE carrier bracket with the 661-1629 module.

661-1629 HDA Screws

Service Providers should use the 444-6104 screws with the 661-1629 HDA. The older screws for the 661-0464 are too long and may cause physical damage to the HDA if used.

661-1629 HDA Parts Chart

For a short period, the 661-1629 HDA shipped without the carrier bracket,

LED, in-line power cable, and screws. Use this chart to determine what accessories are required with the 661-1629 HDA.

Macintosh Model	Carrier	LED	Power Cable	Screw
SE, SE/30	805-0952	590-0527	590-0505	444-6104
IICX	805-5078	590-5078	590-0505	444-6104
IIci	805-5078	590-0527	590-0512	444-6104
IIfx	805-0952	No LED	590-0512	444-6104
II, IIx	805-0952	No LED	590-0505	444-6104
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