

Cleaning Tape Units [C]

This appendix contains information about standard use and care procedures for the tape hardware on CRAY J90 systems.

Note: For complete information, see the documentation provided with your tape subsystem.

C.1 Cleaning the digital audio tape (DAT)

When the right Clean/Attention light on the digital audio tape (DAT) flashes amber, you should clean the tape heads. To clean the heads, use Cleaning Cartridge 90334800, which you can order from Logistics (or you can use the HP 92283K Cleaning Cartridge). The Cray Research cleaning cartridge package includes two tapes.

To use the cleaning cartridge, follow these steps:

1. Insert the cleaning cartridge into the drive. The drive automatically takes the cartridge, loads, it, and cleans the heads.
2. After about 30 seconds, the drive ejects the cartridge.

If the cartridge is ejected after only about 14 seconds, this means the cartridge has reached the end of its useful life, and no cleaning has occurred. Discard the cartridge, and repeat the cleaning operation with a new cleaning cartridge.

3. Take the cartridge out of the drive, and write the date on the label on the cartridge. A cartridge usually has a life of 25 cleaning cycles.

If the Cleaning Needed signal reappears, the cartridge is nearing the end of its useful life; copy the data on the cartridge onto a new one and discard the old cartridge. After you have cleaned the heads successfully, the Cleaning Needed signal will be cleared.

Rather than waiting for the Cleaning Needed signal to appear on the front panel, you should clean the heads according to the following table:

Tapes used per day	<1	1	2	3	4	5
Cleaning interval	weekly	weekly	twice weekly	twice weekly	daily	daily

C.2 Cleaning the 3480 (StorageTek 4220)

The StorageTek 4220 subsystem displays a message on the LED when cleaning is required (the word `CLEAN` appears on the display). After the host processor unloads the current data cartridge, insert the cleaning cartridge (shipped with the system). The device recognizes the cleaning cartridge and initiates the cleaning cycle. The cleaning cartridge is unloaded after the 15-second cleaning cycle completes.

You should replace the cleaning cartridge after 500 uses.

C.3 Cleaning the 9-track tape (StorageTek 9914)

The StorageTek 9914 streamer requires no preventative maintenance, but it does require routine cleaning. You should clean the heads daily (if the system is used continuously). To clean, pull the device fully out from its rack, release the three thumbscrew fasteners, and raise the tape path cover to its fullest. Use a cleaning material and solvent as recommended in the subsystem documentation.