

## TB187 (Rev1) - Recovering from File System Errors

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### Purpose:

This document was created in light the current issues with file system corruption on Linux flashcards. We will cover how to restore a flashcard with file system corruption or at the very least retrieve your configuration and program files.

Typical error message: "UNEXPECTED INCONSISTENCY: RUN fsck MANUALLY."

"Filesystem errors still exist! Manual Intervention required."

### Running fsck manually

1. Type: `fsck -y /dev/hda1` Note: This may or may not work.
2. Next check for files in the lost and found. Type: `ls /lost+found`  
If any files exist, skip to recovering files. Otherwise, type: `poweroff`
3. When system comes up make a backup of programs and a report.

### Recovering files

1. Type: `cp /cncroot/c/cnc10/* /cncroot/a` ; This will copy everything in the CNC10 directory
2. Type: `cp /cncroot/c/cnc10/ncfiles/* /cncroot/a` ; This will copy all the G-code files to a: drive (USB or floppy)
3. Type: `cp /cncroot/c/intercon/*.icn /cncroot/a` ; This will copy all the intercon files to a: drive (USB or floppy)

**Special Note:** Whether you recover your system or not. We recommend that get a new flash card if you get a file system error.

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### Document History

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