CD-ROM Quirks

On some ISO 9660 discs, there may exist directories that appear to have additional '.' files and other incorrect entries. In these few cases, empty sectors were allocated to directory files in the mastering process. According to High Sierra, these are errors, but to ISO 9660 these are acceptable. This will be fixed in a subsequent release.

The following functions exhibit incorrect behavior with MSCDEX. These functions will be updated in a future version of MSCDEX:

Ø INT 21h Function 23h - Get File Size (FCB and Extended FCB)

Ø Executing this function with an extended FCB and with only the volume label file attribute set always succeeds. This is true even if the file does not exist. This deviates from the behavior of other drives. This function always succeeds with an existing file.

Ø INT 21h Function 4300h - Get File Attributes
Attempting to find file attributes for the files "\" and "." (from the root directory) fail under MSCDEX.

Ø Getting file attributes for ".." files in first level subdirectories do not return the directory attribute under MSCDEX.

Note:
The volume label file attribute does not show up when testing for file attributes.
INT 21h Function 4Eh and 4Fh - Find First File/Next File

These functions have the following characteristics on a CDROM drive:
1. Executing a find first function and masking for only volume label returns the volume label correctly. Successive executions of the find next function do not fail as they would on other drives.

2. Executing a find first function and masking the volume label and additional flags does not return the volume label on the find first function, or on any successive find next functions.

3. Executing a find first function with a file specification of a ".." file from a first level subdirectory fails even when the file exists.

INT 21h Function 5701h - Setting File Time
This function never fails (sets carry flag) for a CD-ROM drive (even with a non-existing file); it does not set a new file time for existing files.

INT 21h Function 3Bh - Set Current Directory
The function does not fail when setting the directory to the directories "\", "." from root directory, or ".." from first level subdirectory (although they either do not exist or do not have directory attributes).

INT 21h Function 0Fh - Open File (FCB and Extended FCB).
This function always succeeds with an existing file. This function always succeeds when used with an extended FCB and with only the volume label file attribute set. It will succeed even if the file does not exist.

End.