

Datum: 10 april 1990

Listing of IBM PC3 Diagnostic Error Codes

## Code Discription

- 01X Undetermined problem errors.
- 02X Power supply errors.
- 1XX System board errors.
  - 101 System board error - Interrupt failure.
  - 102 System board error - Timer failure.
  - 103 System board error - Timer interrupt failure.
  - 104 System board error - Protected mode failure.
  - 105 System board error - Last 8042 command not accepted.
  - 106 System board error - Converting logic test.
  - 107 System board error - Hot NMI test.
  - 108 System board error - Timer bus test.
  - 109 Direct memory access test error.
  - 121 Unexpected hardware interrupts occurred.
  - 131 Cassette wrap test failed.
  - 152
  - 161 System Options Error- (Run SETUP) [Battery failure].
  - 162 System options not set correctly- (Run SETUP).
  - 163 Time and date not set- (Run SETUP).
  - 164 Memory size error- (Run SETUP).
  - 199 User indicated configuration not correct.
- 2XX Memory (RAM) errors.
  - 201 Memory test failed.
  - 202 Memory address error.
  - 203 Memeory address error.
- 3XX Keyboard errors.
  - 301 Keyboard did not respond to software reset correctly or a stuck key failure was detected. If a stuck key was detected, the scan code for the key is displayed in hexadecimal. For example, the error code 49 301 indicates that key 73, the PgUP key has failed (49 Hex = 73 decimal).

302 User indicated error from the keyboard test or AT system unit keylock is locked.  
303 Keyboard or system unit error.  
304 Keyboard or system unit error; CMOS does not match system.  
4XX Monochrome monitor errors.  
401 Monochrome memory test, horizontal sync frequency test, or video test failed.  
408 User indicated display attributes failure.  
416 User indicated character set failure.  
424 User indicated 80X25 mode failure.  
432 Parallel port test failed (monochrome adapter).  
5XX Color monitor errors.  
501 Color memory test failed, horizontal sync frequency test, or video test failed.  
508 User indicated display attribute failure.  
516 User indicated character set failure.  
524 User indicated 80X25 mode failure.  
532 User indicated 40X25 mode failure.  
540 User indicated 320X200 graphics mode failure.  
548 User indicated 640X200 graphics mode failure.  
6XX Diskette drive errors.  
601 Diskette power on diagnostics test failed.  
602 Diskette test failed; boot record is not valid.  
606 Diskette verify function failed.  
607 Write protected diskette.  
608 Bad command diskette status returned.  
610 Diskette initialization failed.  
611 Timeout - diskette status returned.  
612 Bad NEC - diskette status returned.  
613 Bad DMA - diskette status returned.  
621 Bad seek - diskette status returned.  
622 Bad CRC - diskette status returned.  
623 Record not found - diskette status returned.  
624 Bad address mark - diskette status returned.  
625 Bad NEC seek - diskette status returned.  
626 Diskette data compare error.  
7XX 8087 or 80287 math coprocessor errors.  
9XX Parallel printer adapter errors.  
901 Parallel printer adapter test failed.  
10XX Reserved for parallel printer adapter.  
11XX Asynchronous communications adapter errors.  
1101 Asynchronous communications adapter test failed.  
12XX Alternate asynchronous communications adapter errors.  
1201 Alternate asynchronous communications adapter test failed.  
13XX Game control adapter errors.  
1301 Game control adapter test failed.  
1302 Joystick test failed.  
14XX Printer errors.  
1401 Printer test failed.  
1404 Matrix printer failed.

15XX Synchronous data link control (SDLC) communications  
adapter errors.  
16XX Display emulation errors (327x, 5520, 525x).  
17XX Fixed disk errors.  
1701 Fixed disk POST errors.  
1702 Fixed disk adapter error.  
1703 Fixed disk drive error.  
1704 Fixed disk adapter or drive error.  
1780 Fixed disk 0 failure.  
1781 Fixed disk 1 failure.  
1782 Fixed disk controller failure.  
1790 Fixed disk 0 error.  
1791 Fixed disk 1 error.  
18XX I/O expansion unit errors.  
19XX 3270 PC attachment card errors.  
20XX Binary synchronous communications (BSC) adapter errors.  
21XX Alternate binary synchronous communications adapter errors.  
22XX Cluster adapter errors.  
24XX Enhanced graphics adapter errors.  
29XX Color matrix printers errors.  
33XX Compact printer errors.