

## Maintenance Panel Error Code Summary for Xerox 1108 Interlisp-D

There are two types of maintenance panel codes: progress codes and error codes. Progress codes are placed in the Maintenance Panel at various stages of initialization. Error codes are traps which freeze or blink the error number in the maintenance panel. They are all fatal errors.

0000-0499 boot-time diagnostics  
0500-0699 IOP code  
0700-0899 Pilot microcode  
0900-0999 Pilot  
1000-6999 tech-rep diagnostics  
7000-8887 Star  
8888-8888 MP lamp test  
9000-9999 Lisp

0096 Insufficient real memory (<1MByte) for lisp

0200-0299 Booting phase 2 (Initial microcode)

0200 normal booting phase 2  
0201 CP error in reading from boot device  
0202 null Mesa germ installed in physical volume  
0203 broken rigid disk boot chain (possibly intermitant)  
0204 Illegal IOP port command  
0205 CP Trap (CS parity or double-bit memory error)  
0206 null diagnostic microcode in physical volume  
0207 null Pilot/Mesa emulator microcode in physical volume  
0208 null Mesa germ installed in physical volume

0500-0502 Domino progress codes

0500 StartDomino Domino has started  
0501 InitReadTOD Domino starting to read the TOD clock  
0502 InitReadTODdone Reading of TOD clock completed  
(next MP number from Lisp)

0505-0599 Domino error codes

0505 CSParity CS parity error detected  
0506 BurdockCPDisabled Burdock attempted to use EtherKludge  
0507 CPBurdockDisabled CP attempted to use EtherKludge  
0508 IOPBreak An IOP break with no IOP kernel  
0509 IllegalIOPIntr Illegal IOP interrupt  
0510 BadMapEntry Incorrect vm Map entry in IOP access.  
0511 NoCPDmaComplete CP Dma operation failed to complete  
0512 NoCPDmaChannel CP Dma channel not specified  
0513 ReadCPPortDead CP not responding to Read CPPort  
0514 WriteCPPortDead CP not responding to Write CPPort  
0520 StackOverflow A task's stack has overflowed  
0565 InvToneCmd Invalid keyboard tone generator comnd  
0570 InvProcCmd Invalid cmd value in Processor CSB  
0571 UnImplCmd Unimplemented cmd in Processor CSB  
0572 SetTODError The Time-Of-Day could not be set  
0576 LSEPctlOVR LSEP Control CSB overrun  
0580 NoValidCommand Invalid floppy IOCB command  
0581 UnImplFloppyCmd Unimplemented floppy IOCB cmd  
0582 InvalidEscapeCmd Invalid Escape floppy cmd  
0583 CommandTrack Floppy track register is not correct  
0584 TrackToBig Floppy track number is too large  
0585 BadDmaChannel Couldn't program Floppy Dma  
0586 NoDmaEndCount1 External Dma End Count not set  
0587 NoDmaEndCount2 Internal Dma End Count not  
set e8(0,4704)(1,9760)

9000-9299 DLion lisp microcode error detected

9001 Control store parity error  
9004 Attempt to reference virtual address >22 bits

9005 double bit memory error or non-existent memory reference

9001 CSpErr Control store parity error  
9002 StackErr hardware stack overflow  
9003 IBEEmptyErr instruction fetch unit empty error  
9004 VirtAddrErr Attempt to reference virtual address >22 bits  
9005 EmuMemErr double bit memory error or non-existent memory  
9013 NegPcError inconsistent PC at FnCall  
9014 applyUfn arg to apply not integer  
9016 notFreeTrap stack allocation error  
9051 BadUfnTable  
9120 MiscErr opcode no such register  
9121 MiscErr opcode bad 2nd byte  
9136 CycleMask bad caller  
9129 M1Loc microcode error  
9130 M2Loc microcode error  
9131 M3Loc microcode error  
9048 ReFOvr page fault under page fault  
9049 Ghost context switch  
9127 PcNegError inconsistent PC at Punt

9300-9399 Lisp error calling \MP.ERROR

9301 \MP.NORPT "No space for Real Page Table"  
9302 \MP.INVALIDVMEM  
9303 \MP.IOCBPAGE "No place for IOCB page at startup"  
9304 \MP.MOB "Map out of bounds"  
9305 \MP.INVALIDADDR  
9306 \MP.INVALIDVP  
9307 \MP.CHAIN.UNAVAIL "Unavailable page on real page chain"  
9308 \MP.SELECTLOOP "Loop in \SELECTREALPAGE"  
9309 \MP.NEWPAGE "Attempt to allocate already existing page"  
9310 \MP.NEWMAPPAGE "\DNEWPAGE failed to allocate new map page"  
9311 \MP.BADLOCKED "Locked page occupies a file page needed to lock  
another"  
9312 \MP.CLOCK0 "Arg to CLOCK0 not an integer box"  
9313 \MP.RESIDENT "Fault on resident page"  
9314 \MP.STACKFAULT "Fault on stack"  
9315 \MP.INVALIDVMEM "Vmem inconsistent at startup"

9400-9899 unassigned

9900-9999 Attempt to call Raid or Alto O.S. (BCPL Subr)

9900 \uCodeCheck  
9901 was\StackOverflow  
9902 \NWWInterrupt  
9903 was\PageFault NIL  
9904 \StatsOverflow  
9905 NOOPSUBR  
9906 \BACKGROUND SUBR  
9907 \CHECKBCPLPASSWORD  
9908 DISKPARTITION NIL  
9909 DSPBOUT (CHARCODE)  
9910 \DSPRATE (PARM)  
9911 \GATHERSTATS (FID)  
9912 \GETPACKETBUFFER NIL  
9913 \LISPFINISH  
9914 \MOREVMEMFILE (FILEPAGE)  
9915 RAID (MESS1 MESS2 FLG)  
9916 \READRAWPBI NIL  
9917 \WRITERAWPBI (PBI)  
9918 SETSCREENCOLOR (FLG)  
9919 SHOWDISPLAY (BASE RASTERWIDTH)  
9920 \PUPLEVEL1STATE (FLG)  
9921 \WRITESTATS (TYPE X1 X2 X3 X4 X5 X6 X7 X8 X9 X10)  
9922 \CONTEXTSWITCH  
9923 \COPYSYS0SUBR (FID)

9924      \WRITEMAP (VP RP FLAGS)  
(635)