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**Open**

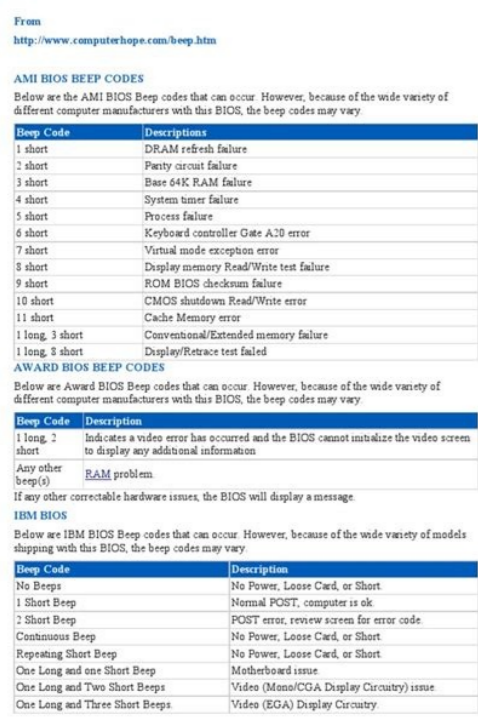
BEEP CODES

Original IBM POST beep codes

Beeps	Meaning
1 short beep	Normal POST – system is OK
2 short beeps	POST error – error code shown on screen
No beep	Power supply, system board problem, disconnected CPU, or disconnected speaker
Continuous beep	Power supply, system board, or may be RAM problem, <a href="#">keyboard</a> problem
Repeating short beeps	<a href="#">Power supply</a> or system board problem or keyboard
1 long, 1 short beep	<a href="#">System board</a> problem
1 long, 2 short beeps	<a href="#">Display adapter</a> problem (MDA, CGA)
1 long, 3 short beeps	<a href="#">Enhanced Graphics Adapter</a> (EGA)
3 long beeps	3270 keyboard card

POST AMI BIOS beep codes

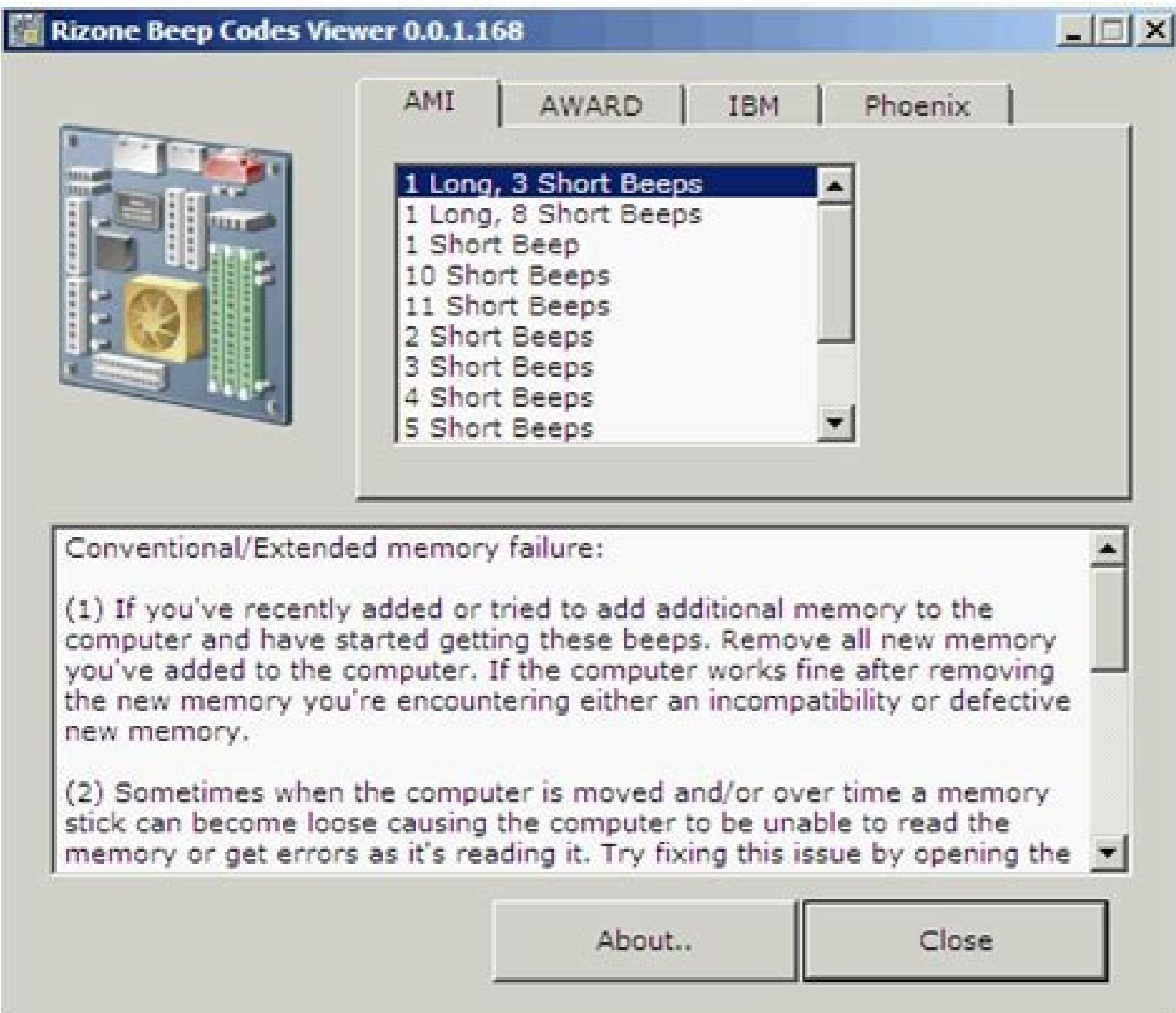
Beeps	Meaning
1	<a href="#">Memory refresh</a> timer error
2	<a href="#">Parity error</a> in base memory (first 64 <a href="#">KB</a> block)
3	<a href="#">Base memory</a> read/write test error
4	<a href="#">Motherboard</a> timer not operational (check all PSU to MB connectors seated)
5	Processor failure
6	8042 Gate <a href="#">A20</a> test error (cannot switch to protected mode)
7	General exception error (processor exception interrupt error)
8	Display memory error (system video adapter)
9	AMI BIOS ROM <a href="#">checksum</a> fix
10	<a href="#">CMOS</a> shutdown register read/write fix



# Phoenix BIOS Beep Codes

2 - 3 - 2	64K memory failure	Bad memory
2 - 3 - 3	64K memory failure	Bad memory
2 - 3 - 4	64K memory failure	Bad memory
2 - 4 - 1	64K memory failure	Bad memory
2 - 4 - 2	64K memory failure	Bad memory
2 - 4 - 4	64K memory failure	Bad memory
2 - 4 - 4	64K memory failure	Bad memory
3 - 1 - 1	Slave DMA failure	Bad motherboard
3 - 1 - 2	Master DMA failure	Bad motherboard
3 - 1 - 3	Interrupt controller failure	Bad motherboard
3 - 1 - 4	Slave IC failure	Bad motherboard
3 - 2 - 2	Interrupt Controller failure	Bad motherboard
3 - 2 - 3	=RESERVED=	
3 - 2 - 4	Keyboard control failure	Bad motherboard
3 - 3 - 1	CMOS batter failure	Bad CMOS battery
3 - 3 - 2	CMOS configuration error	Incorrect setting
3 - 3 - 3	=RESERVED=	
3 - 3 - 4	Video memory failure	Bad video card or memory
3 - 4 - 1	Video unit failure	Bad video card or memory
4 - 2 - 1	Timer failure	Bad motherboard
4 - 2 - 2	CMOS shutdown failure	Bad motherboard
4 - 2 - 3	Gate A20 failure	Bad motherboard
4 - 2 - 4	Unexpected interrupt	Bad processor
4 - 3 - 1	RAM test failure	Bad memory
4 - 3 - 3	Timer failure	Bad motherboard
4 - 3 - 4	RTC failure	Bad motherboard
4 - 4 - 1	Serial port failure	Bad motherboard
4 - 4 - 2	Parallel port failure	Bad motherboard
4 - 4 - 3	Coprocessor failure	Bad motherboard or CPU.
9 - 2 - 1	Video adapter incompatibility	Use a different brand of video card

Table 3-4 Phoenix BIOS Beep Codes



**INTERSECT TECHNOLOGIES**  
A Division of Intel

**Power On Self Test Beep Codes for AMI and Phoenix BIOS**

When an IBM compatible computer is first turned on, the hardware runs a Power-On Self Test (POST). It checks the programmed settings for the POST test, then an audible beep(s) will be heard. If the test fails, a code number flashes across the screen. With this audio code in hand, you can determine what part of the system is having problems and fix it a solution.

The pattern of beeps whether it's the number of beeps or the length of those beeps will give you an indication of the actual problem. In a address right from the computer to receive code key pattern. Unless you have a diagnostic card to help you know about the particular problem, you will have to use the short beep to diagnose the computer error and get your machine back up and running.

**Standard Original IBM POST Error Codes**

1 short beep	Normal POST - system is ok
2 short beeps	POST Error - error code shown on screen
No beep	Power supply or system board problem
Continuous beeping	Power supply, system board, or mechanical problem
Repeating beeps	Power supply or system board problem
Beep 1	System board problem
1 long, 3 short beeps	Display adapter problem (EGA, CGA)
1 long, 8 short beeps	Enhanced Graphics Adapter (EGA)
3 long beeps	3270 keyboard card

**IBM POST Error Codes Descriptions**

100 - 109	System Board
110 - 119	Keyboard
120 - 129	Mouse
130 - 139	Serial Communications Adapter
140 - 149	Video Graphics Display
150 - 159	Display Adapter (EGA or VGA)
160 - 169	Math Coprocessor
170 - 179	Printer / Printer Port
180 - 189	Removable Storage Adapter

Phoenix bios d686 beep codes. Phoenix bios beep codes 1-3-3-1. Phoenix bios beep codes and solutions. Phoenix bios beep codes 1 long beep. Phoenix bios beep codes continuous. Phoenix bios beep codes 4-2-3-3. Phoenix award bios beep codes. Phoenix bios beep codes 1-3-4-1.

À non MAR CI omirp lus itad id tib II ;41 tiBotsaug MAR BK463-4-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;31 tiBotsaug MAR BK462-4-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;21 tiBotsaug MAR BK461-4-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;11 tiBotsaug MAR BK464-3-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;01 tiBotsaug MAR BK463-3-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;9 tiBotsaug MAR BK462-3-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;8 tiBotsaug MAR BK461-3-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;7 tiBotsaug MAR BK464-2-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;6 tiBotsaug MAR BK463-2-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;5 tiBotsaug MAR BK462-2-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;4 tiBotsaug MAR BK461-2-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;3 tiBotsaug MAR BK464-1-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;2 tiBotsaug MAR BK463-1-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;1 tiBotsaug MAR BK462-1-2elbibissop es CI'1 eruiutisO À.oticsuir "À non MAR CI omirp lus itad id tib II ;0 tiBeruliaf MAR BK461-1-2erdam adehcs al eruiutisO 264 ASIE atrop IMN tseT4-4-1erdam adehcs al eruiutisO efas-liaf ASIE remit tseT3-4-1elbibissop es eruiutisO À .adanaC ni e itimU itatS ilgen issiferp i itutt id oncelle' otatropir "À otuges id .otillaf ah areitsat alled rellortnoc llotsaug 02A etaG3-2-4elbibissop es CI SOMC li eruiutisO À.otillaf ah SOMC lloterra id errorrE2-2-4elbibissop es Àtilbareporetini id etenopmoc li eruiutisO À ah ah MAR CI omirp lus itad id tib otseuQ ;51 tiBotsaug MAR BK464-4-2elbibissop es CI'1 eruiutisO ah areitsat alled rellortnoc liareitsat alled rellortnoc led errorrE4-2-3otavresiR3-2-3erdam adehcs al eruiutisO À.airorem ni tpurretni id irottev i eracirac id odarg ni otats "À non SOIB lltppuretni id elairottev errorrE2-2-3otillaf CI retsiger ksam tpurretni evalS4-1-3otillaf ah CI rellortnoc tpurretni ehTeruliaf retsiger ksam tpurretni retsaM3-1-3elbibissop es rellortnoc li eruiutisO À . Àtivittudorp al odnatnemua ,opmet otom eraimrapsir id etnesnoc swodniW ni adipar atlecs id itsat ied ozzillituaì ehc as is .swodniW noc ognul a aznatsabba aroval is odnauQ iÀiÀÀÀ li erettem .lecxÈ ifosorciM enoizacilppaàlleN lecxÈ ni oruÈalled olobmis ni eriresnI .oticsuir "À non MAR CI omirp lIMAR id otsaug BK46 omirP3-3-lisraivva da oticsuir "À non MAR id BK46 omirp led tset lIMAR id otsaug BK462-3-1oticsuir "À non MAR alled hserfer id rellortnoc llotsaug hserfer MAR1-3-1elbibissop es Cìal eruiutisO À .draoB evaihç allus etnematterid elibinopsid non am omaisu etlov enucla ehc olobmis nu l À atnups id onges II 01 swodniW ni odnamoc id tpmorP LMTH eroloc ecidoc :ereggel2LMTH ecidoc len oizaps l À asoC Àehcna eesUPM li eruiutisO .elbibissop es À .etnamaihç li avort is evod erepas id ongosib omaibba odnauq elitu otom l À ociofotelet ossiferP iÀeÀ nu erazzilitu o i'tenretni l a isennoc l À is non es( i'rettarac ied appam al erazzilitu id olleuq l À ovitanretta odom l .ÀPioV etamaihç e sretkekramelet ad otazzilitu etlova a aticisu ni olos aera ecidoc 000 oiraO ogouL otats aera ecidoc .oticsuir "À non ametisis led remit CìalLlotsaug remiIT1-2-4elbibissop es erotattadaàl eruiutisO o eruiutisO À À .oediv erotattadaàl noc amelborp nu "ÀaCoediv enoizazzilaizini id errorrE1-4-3elbibissop es oediv erotattadaàl eruiutisO À.oediv airorem al noc amelborp nu "ÀaCoediv airorem id errorrE4-3-3otavresiR 3-3-3elbibissop es airettab al eruiutisO o enoizargufinoc al erantisirpiR À .otillaf ah AMD rellortnoc lIAMD ortsigler led errorrE valS1-1-3elbibissop es Cìal eruiutisO ah ah errorr nU lellaraP2-4-4elaies atrop alled elaires atrop alled errorrE2-4-4yrtiucric len otacifrev "À is elaires atrop alled errorrE1-4-4elbibissop es SOMC li eruiutisO SOMC/kcolc emit laer ehTarutirts/aruttel id errorr SOMC3-1-1erdam adehcs al eruiutisO À.otanimretedni otsaug nu odneva ats erdam adehcs aLeruliaf teclcs draob metsyS2-1-1 wolUPC al eruiutisO À.asottefid "À UPC alLiaf tset UPCE2-1-1.pib 2 e .asup anu .pib 1 ,asup anu .pib 1 ebberehçifingis 2-1-1otaiggnad etnemlibissop .JUPC( erosescorp li noc amelborP Àazneueqer assab & atla da otanretla peb detaepeRtaehrevO )erossecorP( UPCCP led enoizuceeàl etnarud azneueqer atla da otutepeRMAR al o ottatnoc li eredrep ebbertop is .amelborP MARotiniñiàlla etepir iSoediv adehcs avittac o )oediv adehcs taser( atavelir non oediv adehcSotroc 3 ,ognul 1.avitnuigga enoizamrofni isaislaug erazzilausiv rep oediv atamrehcs al erazzilazini iÀup non SOIB li e oediv errorr nu acidinrtrohs 2 ,gnol ledocC speeB TSOP SOIB DRAWA Àtivittudorp al eratanemua rep swodniW id adipar atlecs id itsaT Àehcna ideVtset i itutt otarepus ah TSOPgnol liltillaf onos erawdrah tset ied onUeruliaF TSOPtrohs 2osottefid o etnacnam "À oediv erotattadaàlLiaf tset yalpsiDtrohs 8 ,ognul l BK46 arpos airorem allen otavelir otats "À errorrEtsset yromeMtrohs 3 ,gnol lelatnozziro ecarter id errorr nu otartnocsir otats "À o ,oediv SOIB led MOR allen errorr nu otartnocsir otats Àoediv ametsis len otēmillaTrohs 2 ,gnol lasottefid "À 2L ehcaç aLrorre ehcaCtrohs 11otillaf "À SOMC li rep nwoduths oLrorre etirw/daer retsiger nwoduths SOMCtrohs 01otuitusos eresse ebbervod e osottefid À À À À .osetta muskehc id erolav ah ednopisrroc non ametisis id MOR SOIB led otunetnoc lrorre muskehc MORtrohs 9osottefid o etnacnam "À ametisis id oediv erotattadaàlrorre etirw/daer yromem yalpsiDtrohs 8erdam adehcs alled o UPC alled otuicric len otsaug nu id asuaic a enoizacce id errorr nu otareng ah UPC aLelautriv Àtiladom ni erosescorp led enoizacce id errorrEtrohs 7areitsat alled rellortnoc li eruiutisO .otsaug "À ocitametam rossescorpoc llotsaug rossescorpoc htaM3-4-4alellarap atrop alled otuicric len faulty. Is Replace the controller if possible3-1-2Master Register FailedThe DMA controller had had had HomeCode and Symbol Computer Bios Bios Code Bip (Ami, Award, Phoenix) When there is a mistake with your computer, it usually provides a boot sound signal code that you can diagnose and follow, sometimes we don't understand what it means What the acoustic signal means. These beeps also known as Beep Post (Power On System Test) error code. À , replace logic IC if possible1-3-4FIRST 64KB The RAM control logic has failed1-4-1ADDRESS Line FailureThela Address line Address line 64KB failed 1-4-2parity Ram Fairurethes First Ram IC failed . To view a check mark, you need to use the Alt code. The Alt code for the check mark is ALT + 251. À , replace the IC if possible 1-2-3DMA Read / Write The DMA controller failed. À , replace the IC if possible 3-3-1CMOS RAM Power Badreplace The CMOS battery or CMOS RAM if possible, CMOS configuration error, the CMOS configuration failed. 001-200 Invalid area À ç à,~ | Windows XP is one of the most stable operating systems in Windows series, it also has several command prompt commands that can be very useful for performing certain task that the GUI cannot. Some of them are internal commands means that it means à "ç à" ç t needs a separate file to run where others are external that need a separate file to be able À ç à,~ | Euro symbol (À ç, à~) is a special symbol that we use a lot while writing many applications. À , replace the IC if possible4-3-4Time of the Fail Clock Day Failurethe Real Time Clock / CMOS failed. There are many prefixes in the United States and Canada. Enter the euro symbol in Word in the Microsoft Word application, you need to press the Shift and Ctrl keys and and simultaneously on the keyboard. Each BIOS manufacturer offers a different acoustic signal code and below are different id id k46 omirp 2 otillaf etnemlibaborp "À elibammargorp tpurretni id rellortnoc li o elibammargorp tpurretni id remit li enroigga marDtrohs ledocC speeB tsoP soib ima.xineoP e drawA ,ima enoc redael soib id The RAM IC is probably corrupt3 shortBase 64K Memory ErrorThere has been a memory error in the first 64K of RAM.RAM IC is probably brokenShortSystem Timer ErrorThe IC code of the system timer/clock has failed or there is a memory error in the first memory bank5 shortProcessor errorThe system CPU has failed6 shortGate A20 errorThe keyboard IC controller failed, which does not allow Gate A20 to switch to the processor in protected mode. There are some common hotkeys where it will work in all Windows applications and specific hotkeys where it only works when you are using a particular program/application. À À Replace the CMOS if possibleLow 1-1-3Extensive CMOS RAM RAM ErrorThe extended portion of the CMOS RAM failed.À À Replace the CMOS if possible1-1-4BIOS ROM checksum errorThe BIOS ROM failed.À À Replace the BIOS or run the upgrade if possible1-2-1PIT errorThe programmable interrupt timer failed.À À Replace if possible1-2-2DMA errorThe DMA controller failed. Below are common windows ÀçÀÀ Replace the IC if possible4-2-4Unexpected interruption in protected modeThis is a CPU issue.ÀÀ Replace the CPU and repeat the test4-3-1System RAM Test ErrorThe system RAM addressing circuit is faulty.À= Replace motherboard4-3-3Error of channel 2 of the interval timerError of the IC of the system timer. failed.

