

**“AMIBIOS ERROR MESSAGES AND BEEP CODES”**

<b>BEEPS</b>	<b>ERROR MESSAGE</b>	<b>DESCRIPTION</b>
1	<b>REFRESH FAILURE</b>	The Memory Refresh circuitry on the motherboard is faulty.
2	<b>PARITY ERROR</b>	Parity error in the first 64KB of Memory.
3	<b>BASE 64KB memory failure</b>	Memory Failure in first 64KB.
4	<b>TIMER NOT OPERATIONAL</b>	Memory failure in the first 64KB of Memory, or timer 1 on the motherboard is not functioning.
5	<b>PROCESSOR ERROR</b>	The CPU ( Central processing Unit) on the M/B generated an error.
6	<b>8042- GATE A20 FAILURE</b>	The keyboard Controller (8042) may be bad. The BIOS cannot switch to protected mode.
7	<b>PROCESSOR EXCEPTION INTERRUPT ERROR</b>	The CPU generated an exception interrupt.
8	<b>DISPLAY MEMORY READ/ WRITE ERROR</b>	The system Video adapter is either missing or its memory is faulty. This is not a Fatal error.
9	<b>ROM CHECKSUM ERROR</b>	The ROM Checksum value does not match the value encoded in the BIOS.
10	<b>CMOS SHUTDOWN REGISTER READ/WRITE ERROR</b>	The shutdown Register for CMOS RAM failed.
11	<b>CACHE ERROR/ EXTERNAL CACHE BAD</b>	The External Cache is Faulty.