

## **The latest PC test diagnostic card(s) come with 2 different diagnostic methods below:**

### **The Traditional BIOS Diagnosis & QIGUAN Diagnosis**

All digital display units on the PC diagnostic test cards show BOTH Bios and Qiguan diagnosis codes together. Probably total 6digits together.

Please look at the tester unit board carefully; there is indication of "Bios" and "Qiguan codes" right near or under the display digits. We need to refer the BIOS codes to the Bios link in the other Bios list manual, and refer the Qiguan codes on the following Qiguan codes table.

Mostly, we can use the Bios diagnosis, we only use the Qiguan diagnosis when the Bios code shows "NO" or "No-C", or we want to get more reference.

There are 3 situations that the PC tester will show the Bios code : "NO".

1. The CPU and/or related parts are faulty.
2. The tester done the test and return the test result to the first part tested, the CPU.
3. The laptop Bios design is not getting the BIO POST signal to the miniPCIe device, so the laptop tester is not getting the POST signal from the laptop.

When we got the Bios POST code "NO", we can try to look at the other 4digits Qiguan codes and use the Qiguan diagnosis method then.

**The "Stability test" feature in this manual is only good for those PC test cards with the built-in Stability test feature, please contact seller if need help finding whether the tester unit comes with the "stability test" feature or not.**

## **QIGUAN POST code Descriptions**

### **Look up method**

Please pay attention on the following listing tables of codes, actually there are 2 different codes list tables below, these 2 tables are the LEFT 2digit and the RIGHT 2digit code tables. (The codes on the lists may look like the same.)

EXAMPLE: Qiguan CODE '05DE' :

Step 1: separate it as 2 2-bit code, '05' and 'DE', the **LEFT** 2digit is "05" and the **RIGHT** 2digit is "DE".

Step 2: Go to the following Qiguan codes table – the LEFT 2digits. Check the meaning of code '05': traditional diagnose is in progress. Then look at the corresponding term descriptions after the codes list table for answer.

Step 3: Go to the following Qiguan codes table – the RIGHT 2digits. Check meaning of code 'DE': BIOS fault self-detection is not working properly. Then also look at the corresponding term descriptions after the codes list table for answer.

### **Qiguan codes – the LEFT 2digits**

CODE	Meaning of First 2 Codes on displayer from left side
00-03	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15.
04	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
05	Traditional diagnose is in progress. Details: see the "Term Descriptions" below after this table, Term 17'
06	Detected resetting signal for twice or even more / Traditional diagnose is in progress. Details: see the "Term Descriptions" below after this table, Term 13 ,17'







D0-D3	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15'
D4	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
D5	Stability testing in progress, Details: see the "Term Descriptions" below after this table, Term 19'
D6	Detected resetting signal for twice / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 13,19'
D7	Detected resetting signal for 3 times or even more / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 14,19'
D8-DB	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15'
DC	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
DD	Stability testing in progress, Details: see the "Term Descriptions" below after this table, Term 19'
DE	Detected resetting signal for twice / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 13,19'
DF	Detected resetting signal for 3 times or even more / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 14,19'
E0-E3	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15'
E4	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
E5	Stability testing in progress, Details: see the "Term Descriptions" below after this table, Term 19'
E6	Detected resetting signal for twice / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 13,19'
E7	Detected resetting signal for 3 times or even more / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 14,19'
E8-EB	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15'
EC	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
ED	Stability testing in progress, Details: see the "Term Descriptions" below after this table, Term 19'
EE	Detected resetting signal for twice / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 13,19'
EF	Detected resetting signal for 3 times or even more / Stability testing in progress. Details: see the "Term Descriptions" below after this table, Term 14,19'
F0-F3	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15'
F4	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
F5	Stability testing is complete. Details: see the "Term Descriptions" below after this table, Term 20'
F6	Detected resetting signal for twice / Stability testing is complete. Details: see the "Term Descriptions" below after this table, Term 13, 20'
F7	Detected resetting signal for 3 times or even more / Stability testing is complete. Details: see the "Term Descriptions" below after this table, Term 14, 20'
F8-FB	POST card not ready. Details: see the "Term Descriptions" below after this table, Term 15'
FC	POST card didn't detect resetting signal, RESETLED always on or never flash on. Details: see the "Term Descriptions" below after this table, Term 12'
FD	Stability testing is complete. Details: see the "Term Descriptions" below after this table, Term 20'
FE	Detected resetting signal for twice / Stability testing is complete. Details: see the "Term Descriptions" below after this table, Term 13, 20'
FF	Detected resetting signal for 3 times or even more / Stability testing is complete. Details: see the "Term Descriptions" below after this table, Term 14, 20'

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**Qiguan codes – the RIGHT 2 digits**

CODE	Meaning of Last 2 Codes on displayer from right side
00-0F	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
10	BIOS fault self-detection is not working properly / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 4'
11	BIOS fault self-detection didn't detect any problems / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 4'
12	BIOS fault self-detection is not working properly /Have CLK signal, No IRDY and FRAME signal. Details: see the

	"Term Descriptions" below after this table, Term 1, 5'
13	BIOS fault self-detection didn't detect any problems / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 5'
14	BIOS fault self-detection is not working properly / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 6'
15	BIOS fault self-detection didn't detect any problems / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
16	BIOS fault self-detection is not working properly / Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 7'
17	BIOS fault self-detection didn't detect any problems / Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
18	BIOS fault self-detection is not working properly / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 8'
19	BIOS fault self-detection didn't detect any problems / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 8'
1A	BIOS fault self-detection is not working properly / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 1, 9'
1B	BIOS fault self-detection didn't detect any problems / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 2, 9'
1C	BIOS fault self-detection is not working properly / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 10'
1D	BIOS fault self-detection didn't detect any problems / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 10'
1E	BIOS fault self-detection is not working properly. Details: see the "Term Descriptions" below after this table, Term 1'
1F	BIOS fault self-detection didn't detect any problems. Details: see the "Term Descriptions" below after this table, Term 2'
20-2F	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
30	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
31	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
32	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
33	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
34	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
35	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
36	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
37	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
38	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
39	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
3A	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
3B	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
3C	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
3D	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
3E	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
3F	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
40-4F	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
50	BIOS fault self-detection is not working properly / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 4'
51	BIOS fault self-detection didn't detect any problems / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 4'
52	BIOS fault self-detection is not working properly / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 5'
53	BIOS fault self-detection didn't detect any problems / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 5'
54	BIOS fault self-detection is not working properly / Have IRDY signal, No CLK and FRAME signal. Details: see the

	"Term Descriptions" below after this table, Term 1, 6'
55	BIOS fault self-detection didn't detect any problems /Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
56	BIOS fault self-detection is not working properly /Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 7'
57	BIOS fault self-detection didn't detect any problems / Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
58	BIOS fault self-detection is not working properly / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 8'
59	BIOS fault self-detection didn't detect any problems / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 8'
5A	BIOS fault self-detection is not working properly / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 1, 9'
5B	BIOS fault self-detection didn't detect any problems / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 2, 9'
5C	BIOS fault self-detection is not working properly / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 10'
5D	BIOS fault self-detection didn't detect any problems / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 10'
5E	BIOS fault self-detection is not working properly. Details: see the "Term Descriptions" below after this table, Term 1'
5F	BIOS fault self-detection didn't detect any problems. Details: see the "Term Descriptions" below after this table, Term 2'
60-6F	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
70	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
71	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
72	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
73	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
74	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
75	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
76	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
77	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
78	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
79	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
7A	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
7B	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
7C	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
7D	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
7E	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
7F	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
80-8F	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
90	BIOS fault self-detection is not working properly / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 4'
91	BIOS fault self-detection didn't detect any problems / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 4'
92	BIOS fault self-detection is not working properly /Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 5'
93	BIOS fault self-detection didn't detect any problems / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 5'
94	BIOS fault self-detection is not working properly /Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 6'
95	BIOS fault self-detection didn't detect any problems /Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
96	BIOS fault self-detection is not working properly /Have IRDY and CLK signal but no FRAME signal. Details: see

	the "Term Descriptions" below after this table, Term 1, 7'
97	BIOS fault self-detection didn't detect any problems / Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
98	BIOS fault self-detection is not working properly / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 8'
99	BIOS fault self-detection didn't detect any problems / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 8'
9A	BIOS fault self-detection is not working properly / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 1, 9'
9B	BIOS fault self-detection didn't detect any problems / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 2, 9'
9C	BIOS fault self-detection is not working properly / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 10'
9D	BIOS fault self-detection didn't detect any problems / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 10'
9E	BIOS fault self-detection is not working properly. Details: see the "Term Descriptions" below after this table, Term 1'
9F	BIOS fault self-detection didn't detect any problems. Details: see the "Term Descriptions" below after this table, Term 2'
A0-AF	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
B0	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
B1	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
B2	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
B3	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
B4	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
B5	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
B6	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
B7	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
B8	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
B9	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
BA	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
BB	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
BC	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
BD	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
BE	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
BF	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
C0-CF	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
D0	BIOS fault self-detection is not working properly / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 4'
D1	BIOS fault self-detection didn't detect any problems / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 4'
D2	BIOS fault self-detection is not working properly / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 5'
D3	BIOS fault self-detection didn't detect any problems / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 5'
D4	BIOS fault self-detection is not working properly / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 6'
D5	BIOS fault self-detection didn't detect any problems / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
D6	BIOS fault self-detection is not working properly / Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 1, 7'
D7	BIOS fault self-detection didn't detect any problems / Have IRDY and CLK signal but no FRAME signal. Details: see the "Term Descriptions" below after this table, Term 2, 6'
D8	BIOS fault self-detection is not working properly / Have FRAME signal but no IRDY and CLK signal. Details: see

	the "Term Descriptions" below after this table, Term 1, 8'
D9	BIOS fault self-detection didn't detect any problems / Have FRAME signal but no IRDY and CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 8'
DA	BIOS fault self-detection is not working properly / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 1, 9'
DB	BIOS fault self-detection didn't detect any problems / Have CLK and FRAME signal but no IRDY signal. Details: see the "Term Descriptions" below after this table, Term 2, 9'
DC	BIOS fault self-detection is not working properly / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 1, 10'
DD	BIOS fault self-detection didn't detect any problems / Have IRDY and FRAME signal, No CLK signal. Details: see the "Term Descriptions" below after this table, Term 2, 10'
DE	BIOS fault self-detection is not working properly. Details: see the "Term Descriptions" below after this table, Term 1'
DF	BIOS fault self-detection didn't detect any problems. Details: see the "Term Descriptions" below after this table, Term 2'
E0-DF	Quit resetting status failed. Details: see the "Term Descriptions" below after this table, Term 11'
F0	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
F1	POST card didn't receive BIOS code / No CLK, IRDY, FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 4'
F2	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
F3	POST card didn't receive BIOS code / Have CLK signal, No IRDY and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 5'
F4	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
F5	POST card didn't receive BIOS code / Have IRDY signal, No CLK and FRAME signal. Details: see the "Term Descriptions" below after this table, Term 3, 6'
F6	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
F7	Have IRDY and CLK signal but no FRAME signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 7, 3'
F8	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
F9	Have FRAME signal but no IRDY and CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 8, 3'
FA	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
FB	Have CLK and FRAME signal, No IRDY signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 9, 3'
FC	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
FD	Have IRDY and FRAME signal, No CLK signal / POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 10, 3'
FE	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'
FF	POST card didn't receive BIOS code. Details: see the "Term Descriptions" below after this table, Term 3'

### **Diagnosis specification (Terms Descriptions)**

#### **Term 1: BIOS fault self-detection is not working properly**

Cause 1: Stability diagnose result displayed 'STABLE', it means the motherboard is stable, but no include sometimes good some times bad performance.

Solution: Please go to check QIGUAN code and BIOS code table.

Cause 2: Stability diagnose result displayed 'UNSTABLE', sometimes good some times bad.

Solution: A. If its too complicated for you to understand BIOS code meaning or if you have no time to figure out the error inspection rules, you can start with the stability diagnose, debug one by one from CPU, RAM, keyboard, etc. make sure the motherboard can perform stable then begin with error inspections. Please go to page ['Stability testing card operation flowchart > How to distinguish the unstable causes via 'Legendary, Stable testing card' and solutions > Test method For PC'](#)

B. If BIOS error code information is clear enough then we can troubleshoot the PC.

Cause 3: Don't want to do stability testing or POST card doesn't have stability testing features.

Solution: Go to QIGUAN code table and BIOS code table for reference and analyze the problem or buy another POST card which designed with stability testing.

Attention: Make sure you are clear about info below before check BIOS code table

- A. BIOS manufacturer, AMI or Award ... etc.
- B. BIOS version
- C. Don't stick to BIOS code table, because any of those POST card suppliers can not collect all the accurate information of BIOS code on time, that's the reason of why we spent 12 years working on LCD displayer instead of old design(LED digital displayer), which can display text information of POST code. Mostly because of the LCD monitor POST card can transfer useful data to the displayer, help users easily get the real meaning of BIOS code.
- D. The BIOS code meanings are supposed to be collected in some reliable ways, such as label on BIOS IC chip, information show up on windows start up screen, motherboard user's guide, experienced repairer, etc.
- E.

Green tips: Ask you seller for BIOS code information in case later you need it. Write down BIOS information such as BIOS version, programming company according to window startup screen. So that you don't need to worry about the keyword when you search BIOS CODE meanings online.

### **Term 2: BIOS fault self-detection didn't detected any problems**

Notice: Read user's guide carefully at anytime when you found diagnosis result is different from real status.

### **Term 3: POST card didn't receive BIOS**

Even displayed code its valid code.

Read user's guide carefully at anytime when you found diagnosis result is different from real status.

If is not running LPT or SM or I2C BUS testing, QIGUAN CODE report:

- A. 'RST' doesn't work well, repair resetting circuit before start diagnose, because if RST abnormal then can not receive valid BIOS code.
- B. No BIOS code is able to be received if no 'CLK' signal detected, repair 'CLK' before start diagnose, however the POST card can work w/o CLK signal but its not supposed to receive BIOS code

Cause 1: CPU didn't running

Solution: CPU enter protecting mode when its too hot

- A. CPU fan have problem. Change a powerful one and fix it with CPU in right position.
- B. Heat-sink silicone is too few or bad quality.
- C. CPU fan is dirty, clean it well.
- D. CPU over frequency. Restore the settings or change a new one
- E. CPU PIN overload. Use multimeter to test each pin to repair it.
- F. In high temperature circumstances, use bigger CPU fan, if it's possible, open the computer case, put an electric fan beside, unplug all the cards, hard disks, CD-ROOM currently unnecessary. Shut down all other programmes which not to be used; or change to a more powerful adapter, check which component is easy getting overheated and change it; power supply of the switch is bad, change or repair it. Try to arrange POST diagnose in better time of better circumstances such as night time, cloudy or rainy days; Add heat insulation device; move away the overheated object, keep it away from computer.
- G. In vibration environment. Fasten all the components; add spring or leather on bottom of CPU case; keep computer away from vibration object.

Cause 2: If the computer in diagnose progress which didn't transfer BIOS code info to BUS.

Solution: try to connect to another BUS, BUS type to which our products compliant so far: ISA, PCI, LPT, LPC, PCI-E, Mini PCI, Mini PCI-E, SM, I2C.

Suggestion: Please let us know the new BUS type which our products not support, we would do researches and develop new items.

### **Term 4: No CLK, IRDY, FRAME signal was found**

Notice: In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.

LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.

PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.

SM, I2C BUS doesn't have RST, IRDY, and FRAME signal.

Cause: first you need to know that CLK of some motherboard need to work with 'RST' signal. If 'RST' doesn't work well then impossible to generate 'CLK', then no 'FRAME', 'IRDY' as well.

Solution: pay attention to the 'RST' signal, if have problem; repair RST before start to diagnose. Because 'RDY' and 'FRAME' signal may be recovered after 'CLK' repaired.

### **Term 5: Have CLK signal, No IRDY and FRAME signal**

Notice: Don't touch any PIN while testing is in progress, incase the electricity signal is interrupted to affect diagnose result.

In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.  
LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.  
PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.  
SM, I2C BUS doesn't have RST, IRDY, and FRAME signal.

Cause: IRDY FRAME signal error

Solution: Repair IC chip

Green tips: Repair the easier one if IRDY and FRAME both unavailable, and the other one maybe automatic recovery.

**Term 6: Have IRDY signal, No CLK and FRAME signal**

Notice: Don't touch any PIN while testing is in progress, incase the electricity signal is interrupted to affect diagnose result.

In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.  
LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.  
PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.  
SM, I2C BUS doesn't have RST, IRDY, and FRAME signal

Cause: CLK, FRAME signal error

Solution: Repair IC chip

**Term 7: Have IRDY and CLK signal but no FRAME signal**

Notice: Don't touch any PIN while testing is in progress, incase the electricity signal is interrupted to affect diagnose result.

In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.  
LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.  
PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.  
SM, I2C BUS doesn't have RST, IRDY, and FRAME signal

Cause: FRAME signal error

Solution: Repair IC chip

**Term 8: Have FRAME signal but no IRDY and CLK signal**

Notice: Don't touch any PIN while testing is in progress, incase the electricity signal is interrupted to affect diagnose result.

In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.  
LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.  
PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.  
SM, I2C BUS doesn't have RST, IRDY, and FRAME signal

Cause: CLK, IRDY signal error

Solution: Repair IC chip

**Term 9: Have and CLK and FRAME signal, No IRDY signal**

Notice: Don't touch any PIN while testing is in progress, incase the electricity signal is interrupted to affect diagnose result.

In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.  
LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.  
PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.  
SM, I2C BUS doesn't have RST, IRDY, and FRAME signal

Cause: IRDY signal error

Solution: Repair IC chip

**Term 10: Have IRDY and FRAME signal, No CLK signal**

Notice: Don't touch any PIN while testing is in progress, incase the electricity signal is interrupted to affect diagnose result.

In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.  
LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.  
PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.  
SM, I2C BUS doesn't have RST, IRDY, and FRAME signal

Cause: CLK signal error

Solution: Repair IC chip

### **Term 11: Quit resetting status failed**

Notice: Some user might have been thinking of protect their computer in a very GENTLY way, such as slowly press the 'POWER' button. It's not good indeed actually, it could affect performance of those electronic devices such as lights, TV-set, Air-con, and etc, even could cause damages sometimes.

- Cause: A. remove PC case cables, do test again, if problem solved please verify that cable connecting is wrong or reset switch is bad.  
B. 'RST' signal bad, repair 'reset' circuit  
C. PC power is bad. Repair or change a new one.  
D. Interval between power on n off is too short. Try to restart after 5 seconds.

### **Term 12: POST card didn't detect resetting signal, RESETLED always on or never flash on**

Notice: In any one of situations below, when diagnosis reported as 'no', no need bother to mend the motherboard.

LPT BUS doesn't have CLK, IRDY, FRAME, RST (RESET) signal.

PCI-E, Mini PCI-E, ELPC and LPC BUS don't have IRDY signal.

SM, I2C BUS doesn't have RST, IRDY, and FRAME signal

Cause: currently the test is via LPT, SM or I2C, users can ignore this diagnosis result. If still work abnormal then means 'reset' circuit bad.

Solution: Please see term 21 [RESET ERROR cause and troubleshooting](#)

### **Term 13: Detected resetting signal for twice**

Notice: Usually the old computer need half second to reset for only once. But for upgraded computer, its normal reset twice or 3 times continually, the time to reset is much shorter than before, so it's hard to catch the 'RST' LED lights, but QIGUAN code will report d right information onetime.

Cause: If it reset twice continually once turn on computer or if you are using POST card with stability testing features, restart the computer manually test the stability, then when computer power on it will auto reset, all situation above is normal to happen. If not. Then it means abnormal resetting error.

Solution: Please see term 21 [RESET ERROR cause and troubleshooting](#)

### **Term 14: Detected resetting signal for 3 times or even more**

Notice: POST card only detect 'RST' signal for 3 times, and will report as 3 times even detected more than 3 times.

Usually the old computer needs half second to reset for only once. But for upgraded computer, its normal reset twice or 3 times continually, the time to reset is much shorter than before, so it's hard to catch the 'RST' LED lights, but QIGUAN code will report d right information onetime.

Cause: If it reset 3 times continually once turn on computer or if you are using POST card with stability testing features, manual restart the computer twice or even more times and test the stability, then when computer power on it will auto reset, all situation above is normal to happen. If not. Then it means abnormal resetting error.

Solution: Please see term 21 [RESET ERROR cause and troubleshooting](#)

### **Term 15: POST card not ready**

Notice: The mainboard is not ready sending the POST signal to the POST card or there is improper connection

Cause: The time is too short after between power on and off.

The PCI bus controller is having the problem

Solution: Try to restart after 5 seconds. Try installing the POST test card on another regular PCI connector.

### **Term 16: Stability testing in preparation**

Notice: Do remember, please DON'T change CMOS settings. DON'T add or remove hardware. DON'T change jumper or mechanical vibration. DON'T touch any metal surface with fingers, which all of above could affect the testing performance such as report the computer is unstable while the truth is it is stable.

For some computer which relatively stable, its normal if POST card sometimes report 'stable' or sometimes 'unstable', not means the POST card testing is not accurate, because the small error of those relatively stable motherboard will ignored by the diagnose, so we suggest you repeat the test or do the regular checking. The computer work well now doesn't mean it won't have problem later, especially in some important places as like

Bank, Hospital, etc, detected the hidden defects will prevent huge lost which is unexpected, QIGUAN stability testing features help to eliminate hidden dangers and minimize the lost to lowest.

Cause: The Stability testing card is showing you, the traditional diagnose complete or stopped because of can't receive BIOS POST code; now start to prepare stability testing.

Solution: 'Ready' LED light is supposed to be on within 5 minutes. Restart computer if you need to test stability, if not then just ignore it; if 'READY' LED still off when waiting for more than 5 minutes, please see the "Easy Stability Test method for PC" below in this manual.

Green tips: Try to restart window from start menu or try to remove hard disk before diagnose. Because for PC, if press 'RESET' button will shut down the computer unexpectedly while diagnose in progress. Same for laptop.

#### **Term 17: Traditional diagnose is in progress**

Cause: Traditional diagnose is in progress, if you are using Stability testing card, 'Ready' LED light still off when waiting for more than 10 minutes, please see the "Easy Stability Test method for PC" below in this manual.

#### **Term 18: About to start Stability testing**

Notice: Do remember, please DON'T change CMOS settings. DON'T add or remove hardware. DON'T change jumper or mechanical vibration. DON'T touch any metal surface with fingers, which all of above could affect the testing performance such as report the computer is unstable while the truth is it is stable.

For some computer which relatively stable, its normal if POST card sometimes report 'stable' or sometimes 'unstable', not means the POST card testing is not accurate, because the small error of those relatively stable motherboard will ignored by the diagnose, so we suggest you repeat the test or do the regular checking. The computer work well now doesn't mean it won't have problem later, especially in some important places as like Bank, Hospital, etc, detected the hidden defects will prevent huge lost which is unexpected, QIGUAN stability testing features help to eliminate hidden dangers and minimize the lost to lowest.

Cause: 'Ready' LED light is supposed to be on within 5 minutes. Restart computer if you need to test stability, if not then just ignore it; if 'READY' LED still off when waiting for more than 5 minutes, please see the "Easy Stability Test method for PC" below in this manual.

#### **Term 19: Stability testing is in progress**

Notice: Do remember, please DON'T change CMOS settings. DON'T add or remove hardware. DON'T change jumper or mechanical vibration. DON'T touch any metal surface with fingers, which all of above could affect the testing performance such as report the computer is unstable while the truth is it is stable.

For some computer which relatively stable, its normal if POST card sometimes report 'stable' or sometimes 'unstable', not means the POST card testing is not accurate, because the small error of those relatively stable motherboard will ignored by the diagnose, so we suggest you repeat the test or do the regular checking. The computer work well now doesn't mean it won't have problem later, especially in some important places as like Bank, Hospital, etc, detected the hidden defects will prevent huge lost which is unexpected, QIGUAN stability testing features help to eliminate hidden dangers and minimize the lost to lowest.

Solution: 'Stable' and 'Unstable' LED light is supposed to be on within 5 minutes, as well as 'Ready' LED light, Restart computer if you need to test stability, if not then just ignore it; If 'Stable' and 'Unstable' LED still off when waiting for more than 5 minutes, please see the "Easy Stability Test method for PC" below in this manual.

#### **Term 20: Stability testing is complete**

Notice: Do remember, please DON'T change CMOS settings. DON'T add or remove hardware. DON'T change jumper or mechanical vibration. DON'T touch any metal surface with fingers, which all of above could affect the testing performance such as report the computer is unstable while the truth is it is stable.

For some computer which relatively stable, its normal if POST card sometimes report 'stable' or sometimes 'unstable', not means the POST card testing is not accurate, because the small error of those relatively stable motherboard will ignored by the diagnose, so we suggest you repeat the test or do the regular checking. The computer work well now doesn't mean it won't have problem later, especially in some important places as like Bank, Hospital, etc, detected the hidden defects will prevent huge lost which is unexpected, QIGUAN stability testing features help to eliminate hidden dangers and minimize the lost to lowest.

Cause 1: Test result is 'stable', then 'stable' LED lights is on. Be ready for next round of diagnose. 'Ready' LED light is on.

Solution: No need bother to respond this testing result

Cause 2: 'Unstable' LED light is on. Be ready for next round of diagnose. 'Ready' LED light is on.

Solution: I. Back up data. II. Choose stable computer in important occasion. Go read '**Stability testing card operation flowchart**' after this Terms Description session.

#### **Term 21: RESET ERROR cause and troubleshooting**

Cause 1: RESET circuit on motherboard is bad.

Solution: IC level repair.

Cause 2: No PG signal available from PC power.

Solution: Repair or change new one.

Cause 3: PC power is too weak.

Solution: Repair or change new one.

Cause 4: CPU overheated

Solution: Set CPU frequency much lower, cool CPU with electronic fan, reset the CPU frequency to original value after trouble is detected.

Cause 5: External device is not compatible or bad.

Solution: Remove external devices; plug them again after trouble is detected.

Cause 6: 'RESET' button on PC case doesn't work or reset circuit is bad.

Solution: Remove all cables from computer, if trouble is solved, please ensure all cables connected in right way. Or maybe the 'RESET' switch is bad. Go change it.

Cause 7: Too much dust on motherboard, 'RESET' circuit bad.

Solution: Clean it.

Cause 8: External card bad quality, affect the 'RESET' signal from AGP/PCI.

Solution: Remove external cards. Plug back after trouble is detected.

Cause 9: Video card and Network adapter is not fixed on the motherboard.

Solution: Remove first, Plug again and fix it after trouble is detected.

Cause 10: Removing and plugging movement is too big

Solution: be more gently.

Cause 11: CD-ROOM inner circuit bad or IC bad.

Solution: Remove CD-ROOM; plug them again after trouble is detected.

Cause 12: computer, air-con, and refrigerator power adapter are all plugged in one socket panel.

Solution: Separately plug.

Cause 13: Electricity circuit connecting wrong. Users messed up zero curve and ground wire.

Solution: connect each wire in correct way.

Cause 14: Connectors or socket is bad or low quality.

Solution: Change a new one.

Cause 15: High electro magnetic interference(EMI).

Solution: Avoid from EMI

**Easy Stability Test method for PC (This "Stability test" feature in this manual is only good for those PC test cards with the built-in Stability test feature, please contact seller if need help finding whether the "stability test" feature is on the tester unit or not)**

1. Insert POST card to PCI slot.
2. Power on, start traditional diagnose and QIGUAN diagnose, 'stable' and 'unstable' lights are flash on at same time.
3. Stability test in preparation, 'stable' and 'unstable' lights flash on and off quickly one by one.
4. 'ready' light is on, press 'reset' button to restart or click 'start' menu>restart windows. 'Ready' light is off.
5. Stability test in progress, 'stable' and 'unstable' lights flash on and off slowly one by one.
6. Show diagnose result, one of the 'stable' and 'unstable' lights is on. 'Ready' light is on.
7. If the result is 'unstable', repeat step 4-6, repeat the tests a few times to get more accurate results.
8. If both Unstable and Stable LEDs keep flashing, the components on the mainboard may not return the proper signal to the Bios and the POST card in order to conclude the Stability Test result. As soon as the PC is working, never mind the flashing LEDs

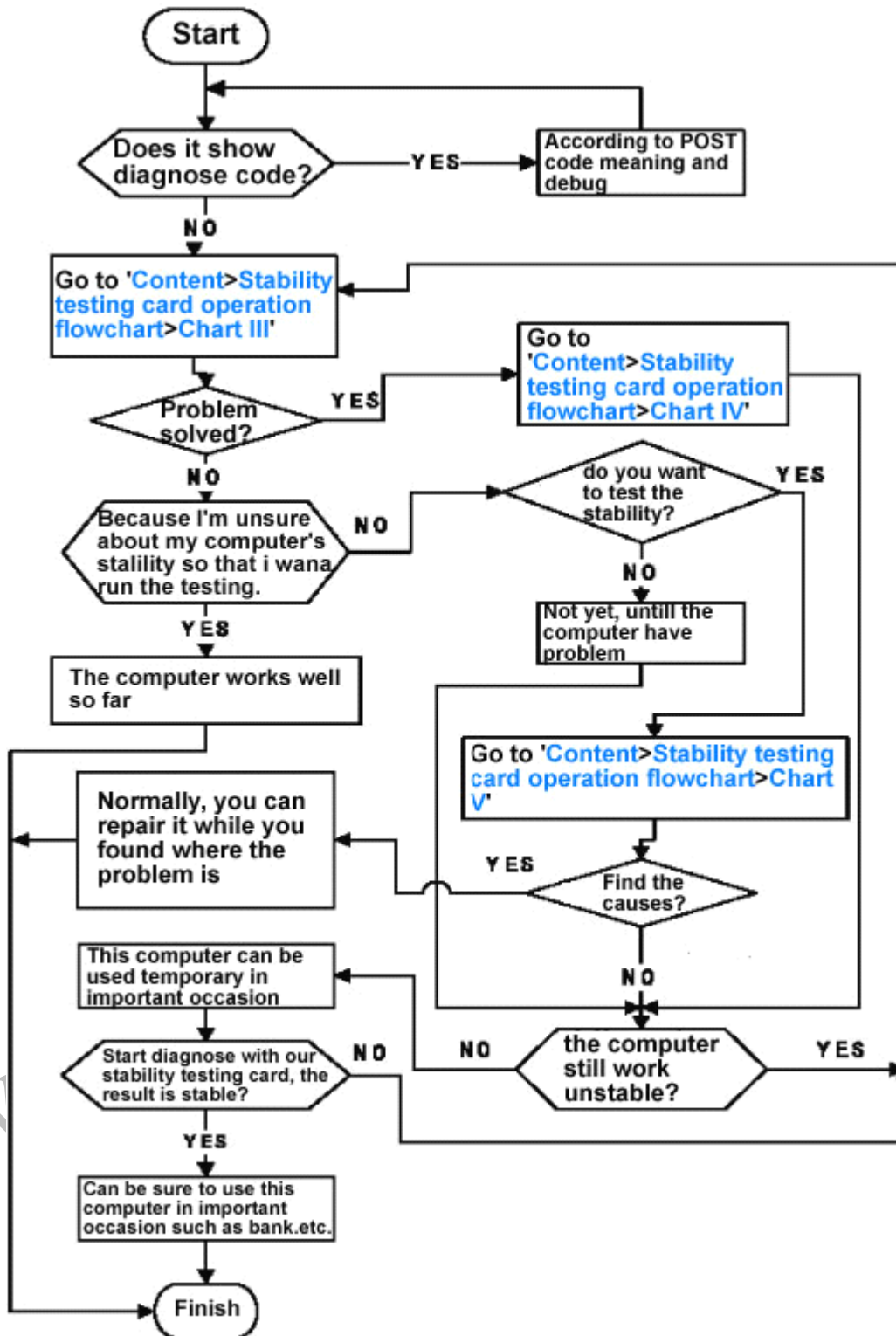
## Stability testing card operation flowchart

**The following flowcharts are for advanced uses.**

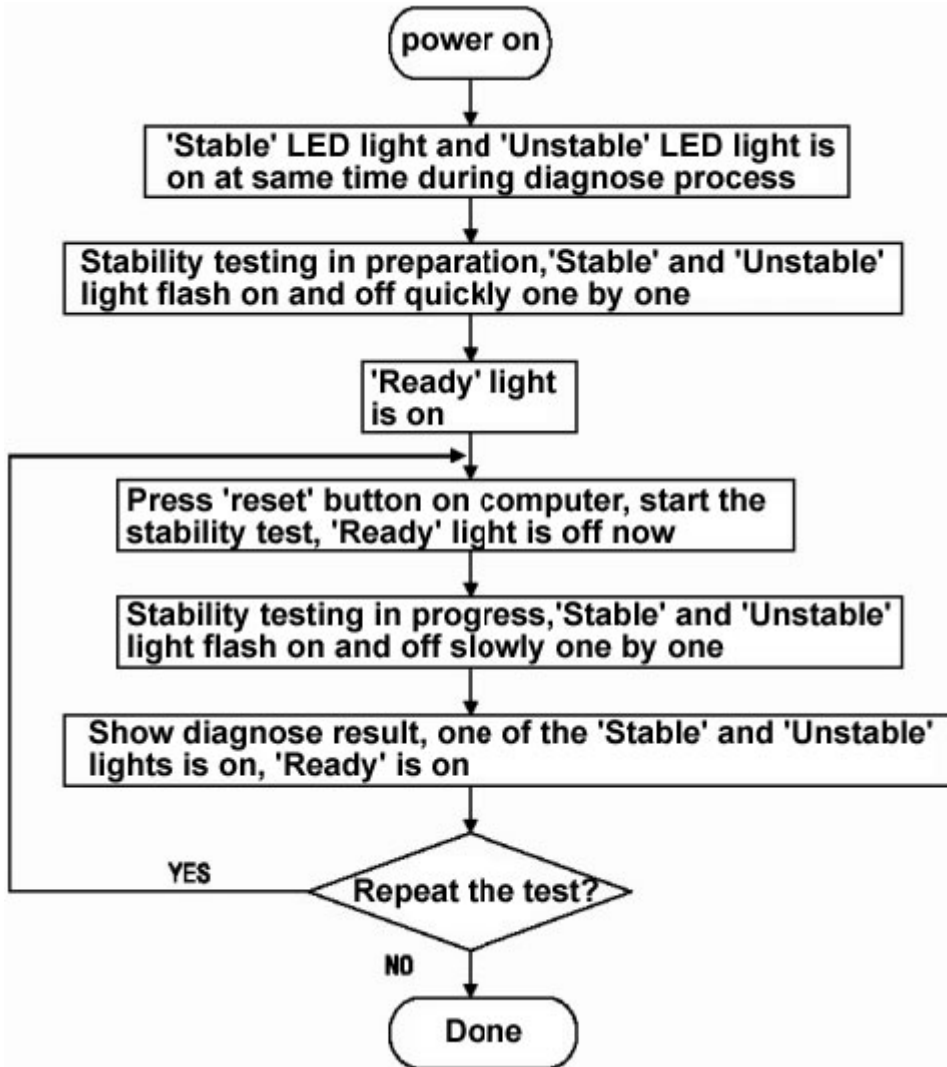
**For computer novice, please ignore the below charts. Please just use the above easy guidelines.**

**How to distinguish the unstable causes and solutions**

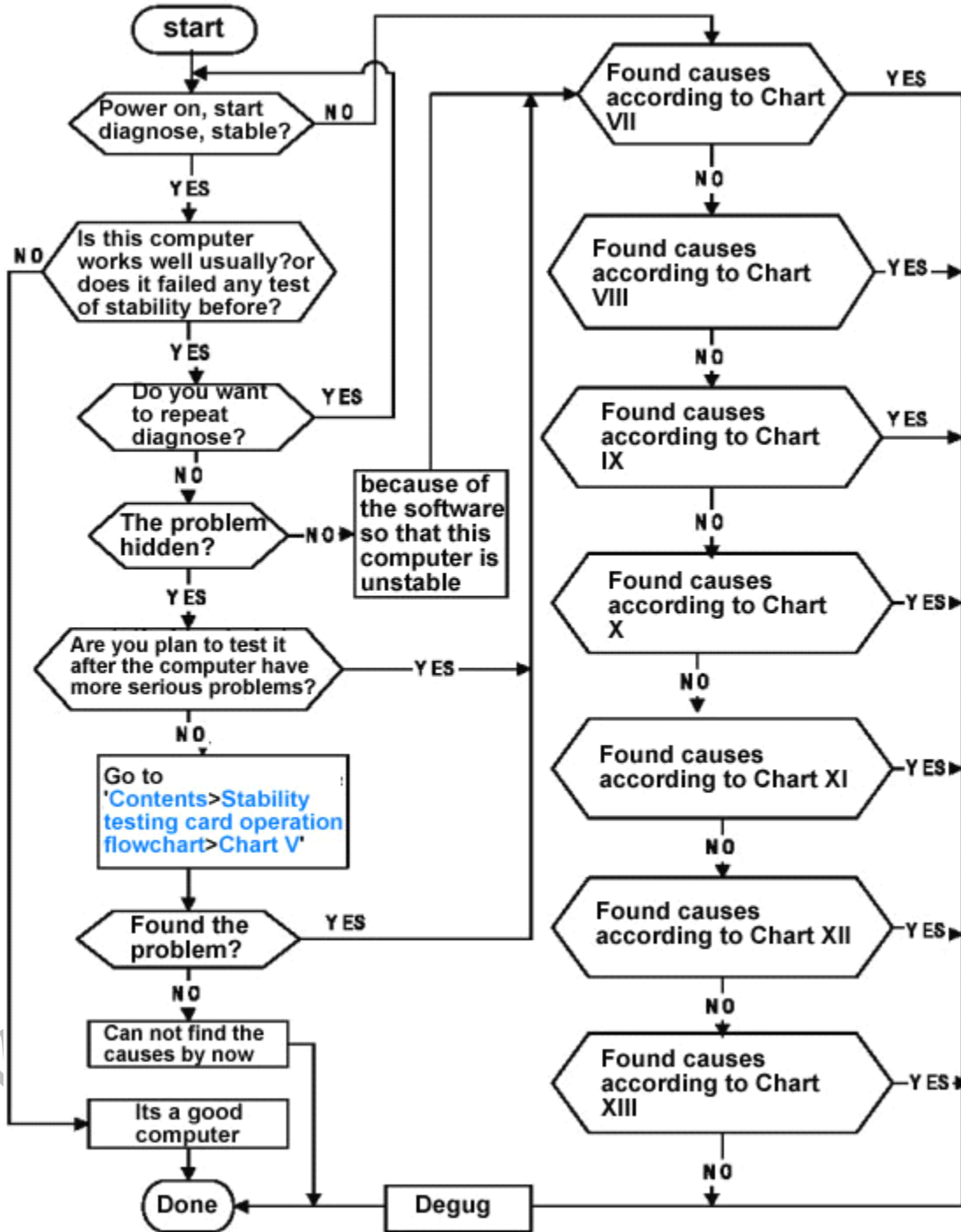
**Chart I Operation flowchart overview**



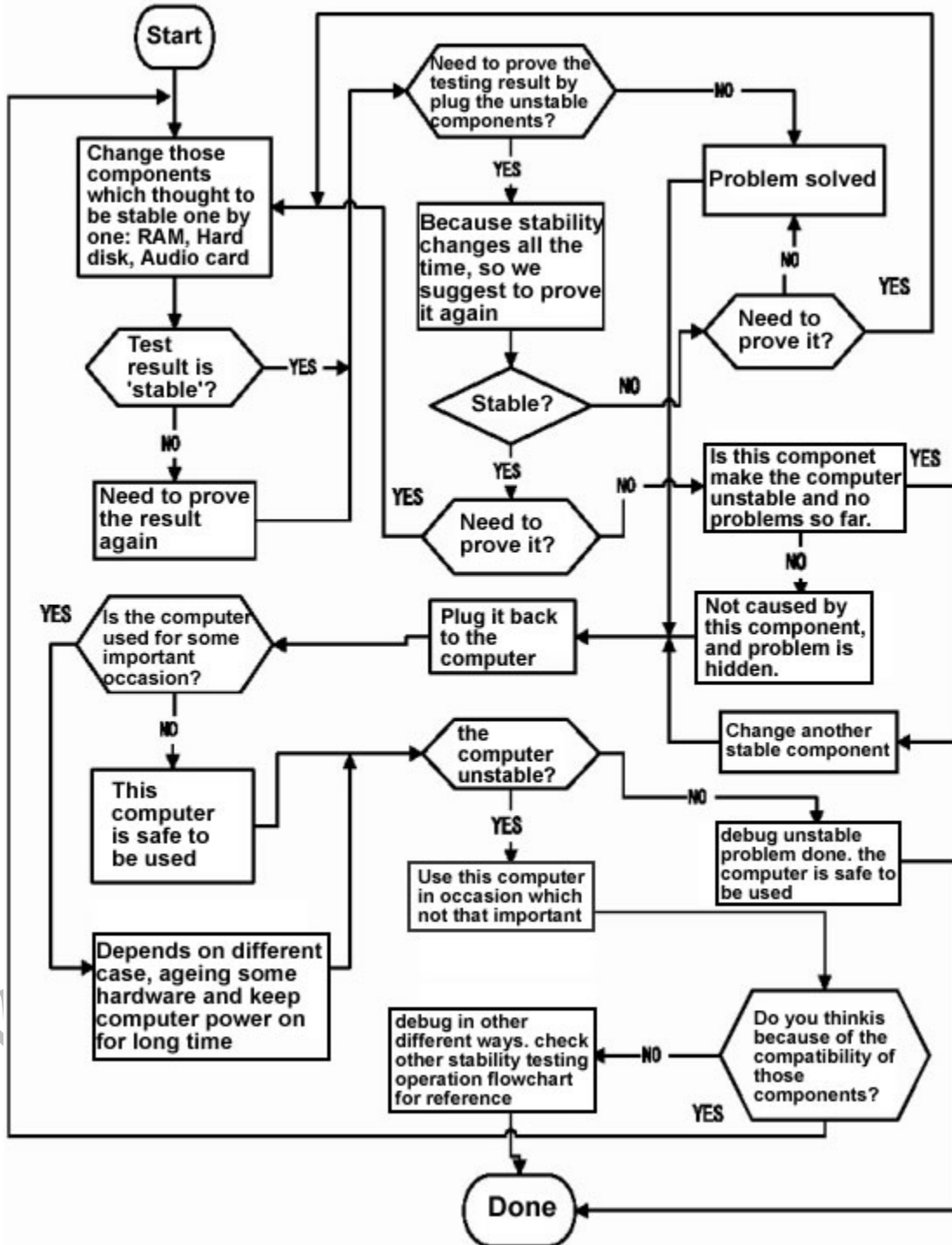
**Chart II Stability testing card working process**



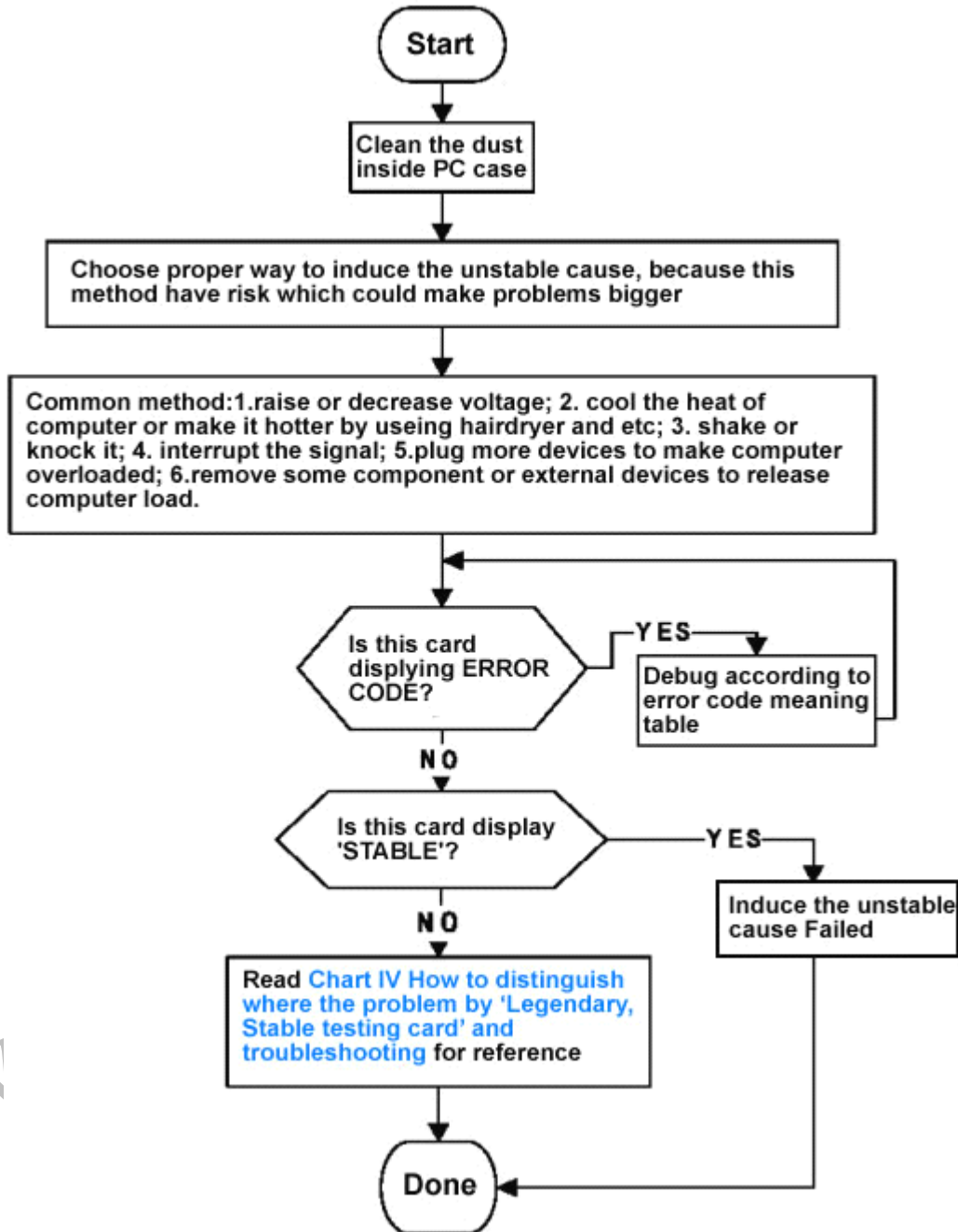
**Chart III How to distinguish unstable causes via 'Legendary, Stable testing card'**



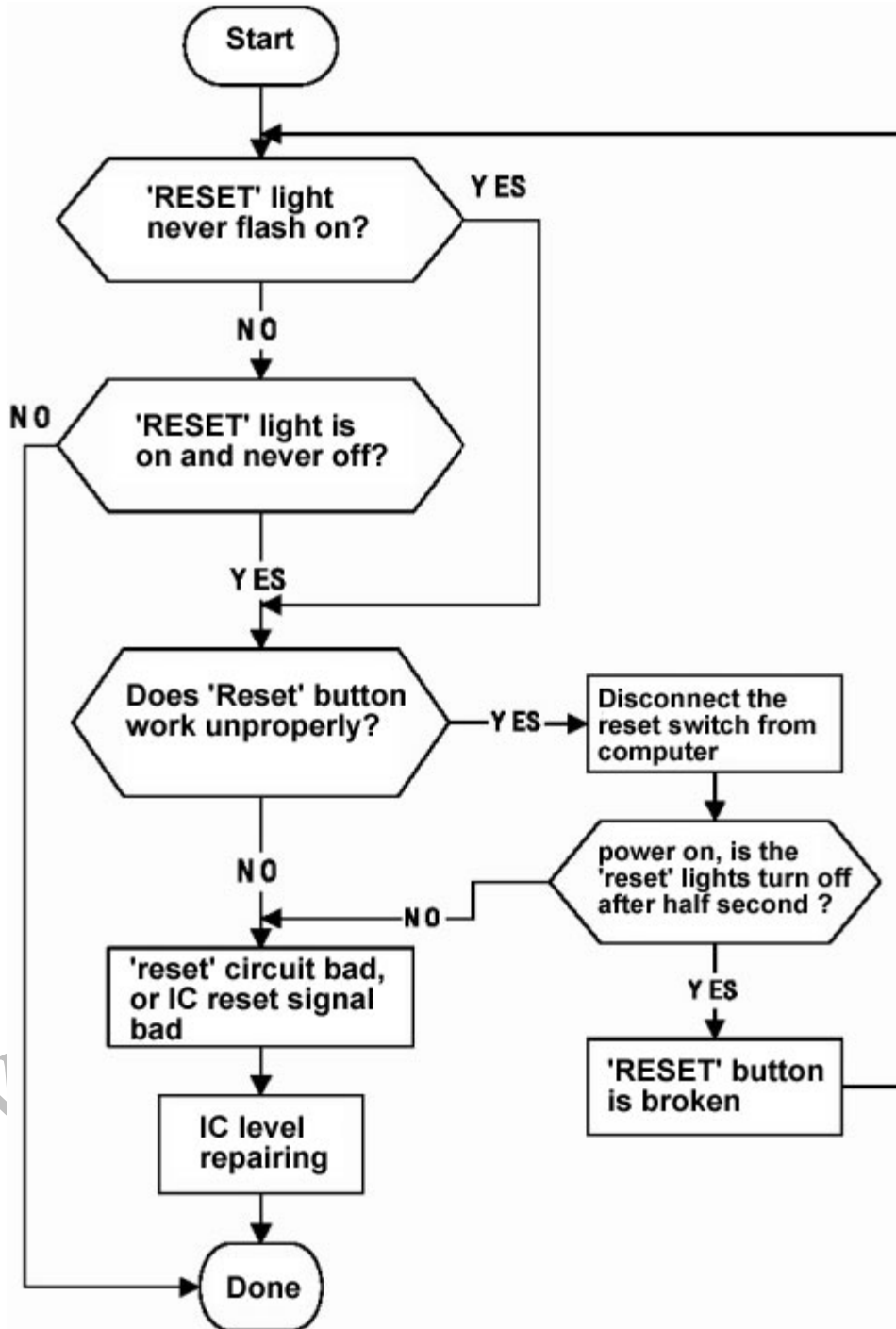
**Chart IV How to distinguish where the problem by 'Legendary, Stable testing card' and troubleshooting**



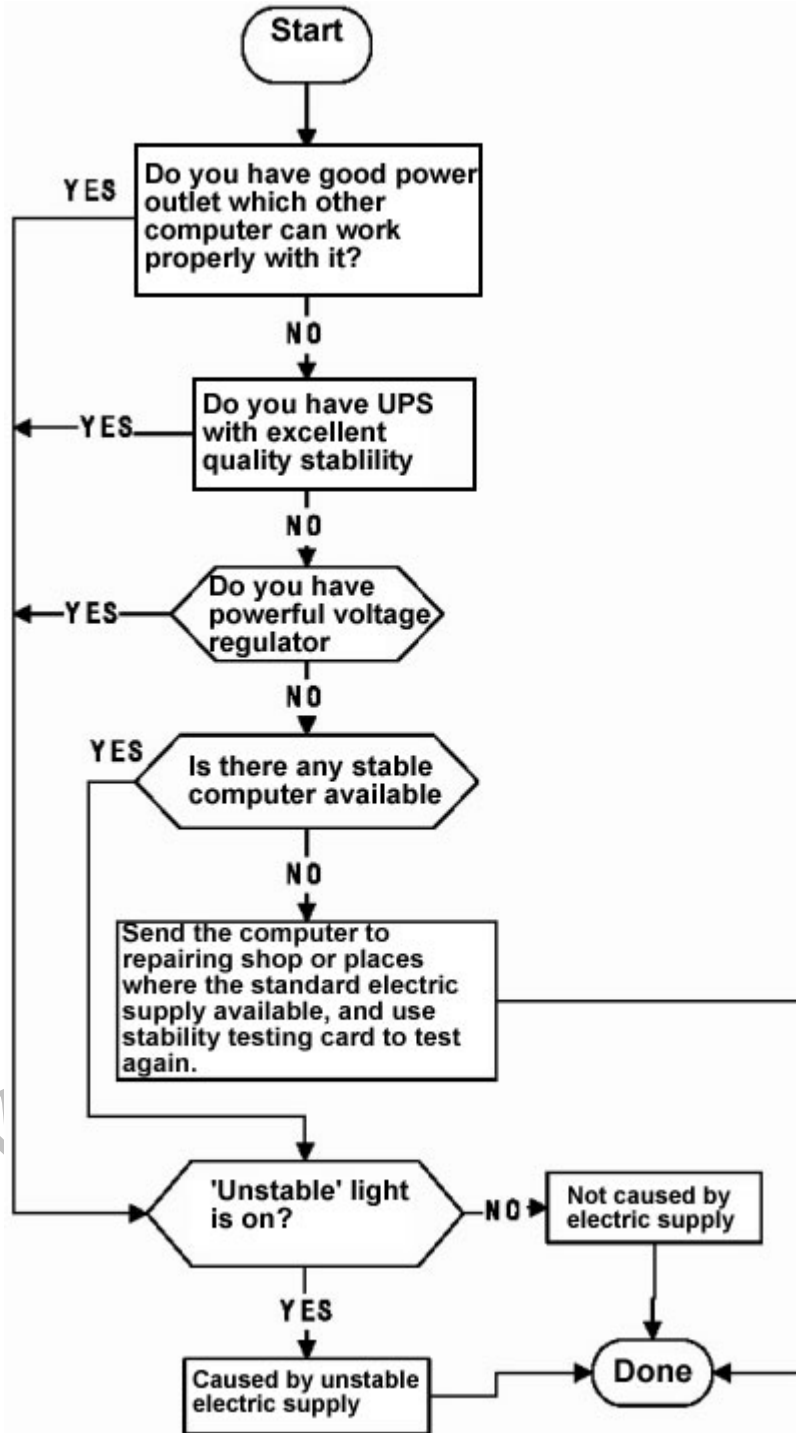
**Chart V How to induce the unstable cause in some related ways**



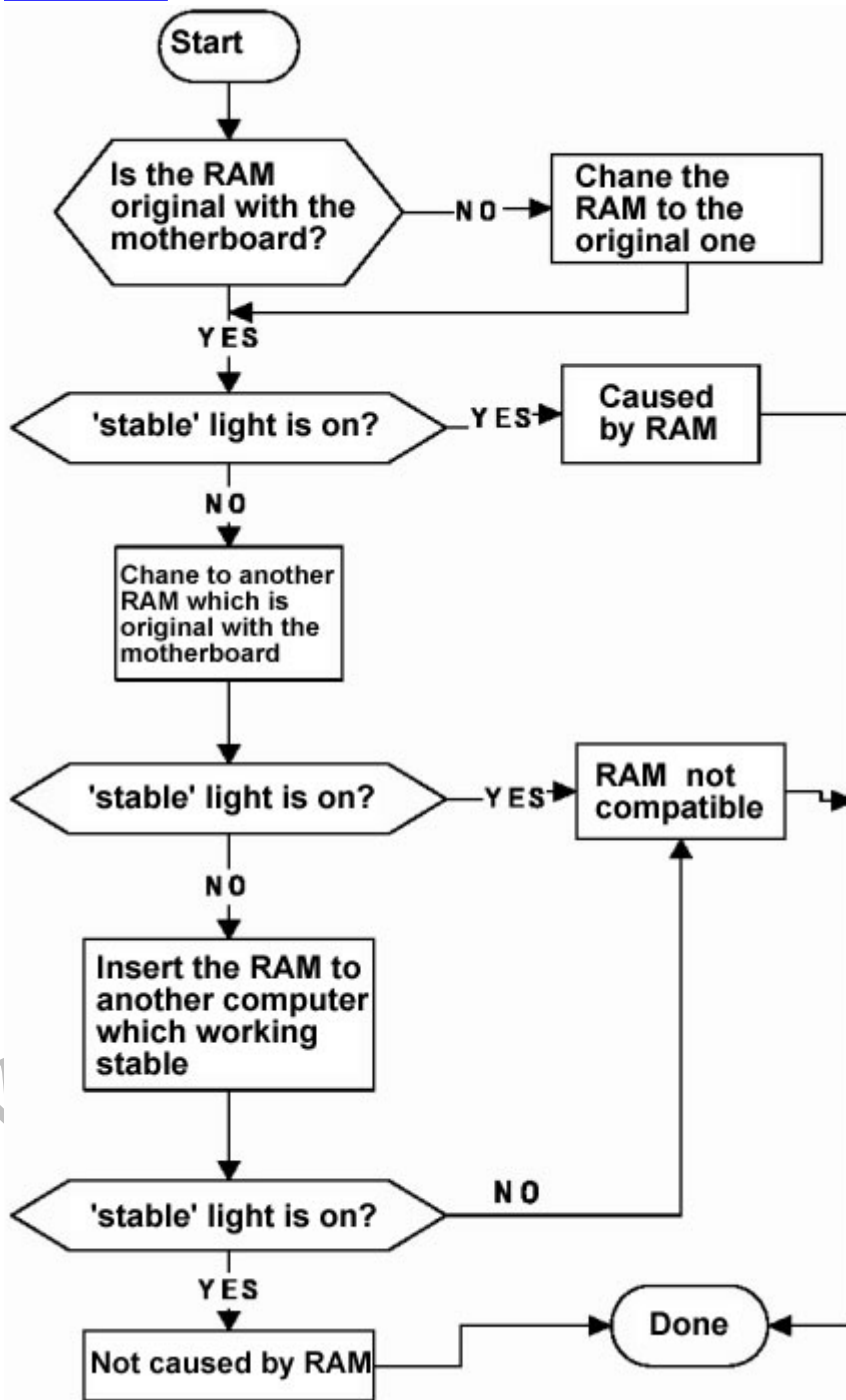
**Chart VI How to use our testing card to distinguish RESET error**



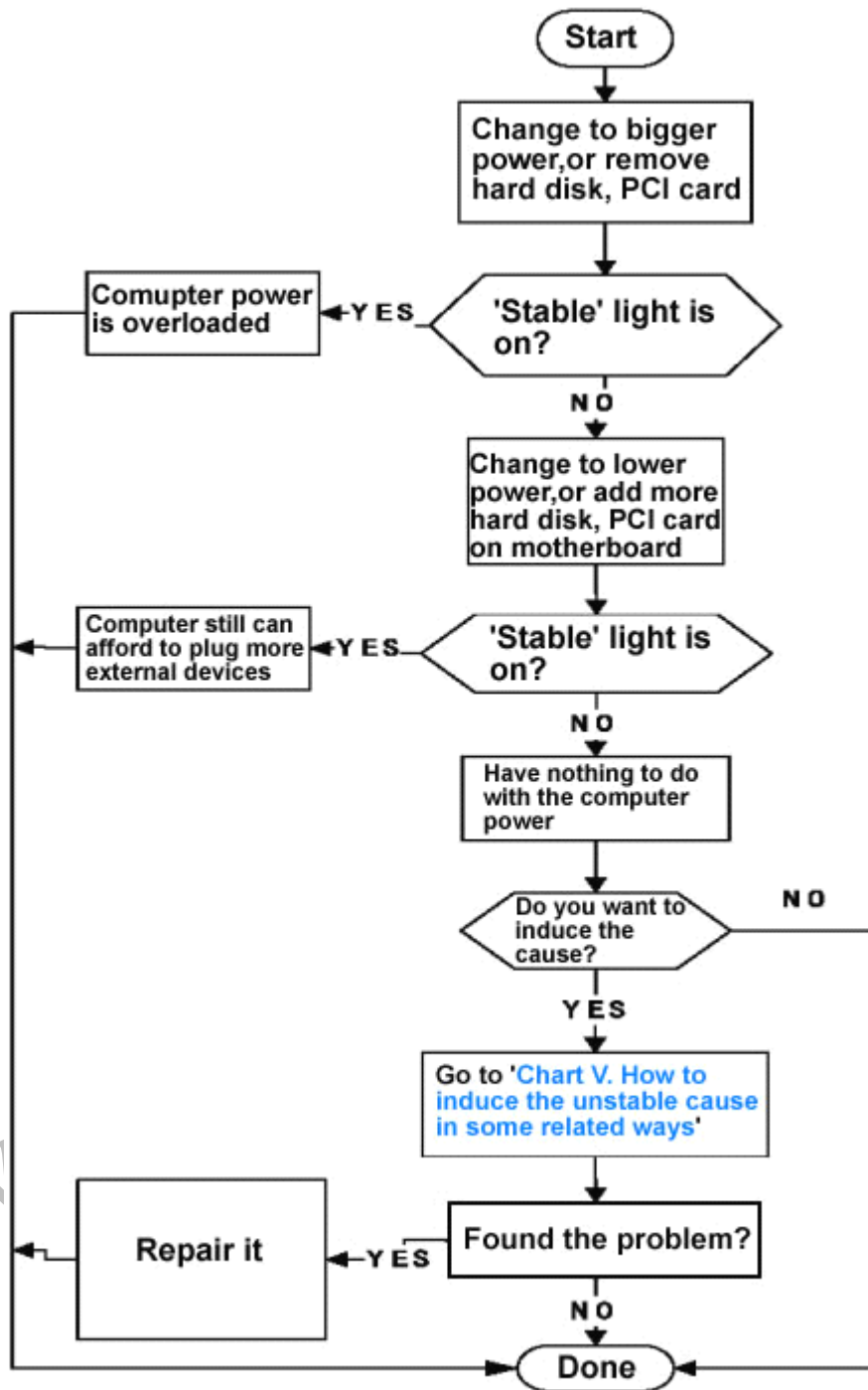
**Chart VII How to distinguish if it's caused by the power supply problem**



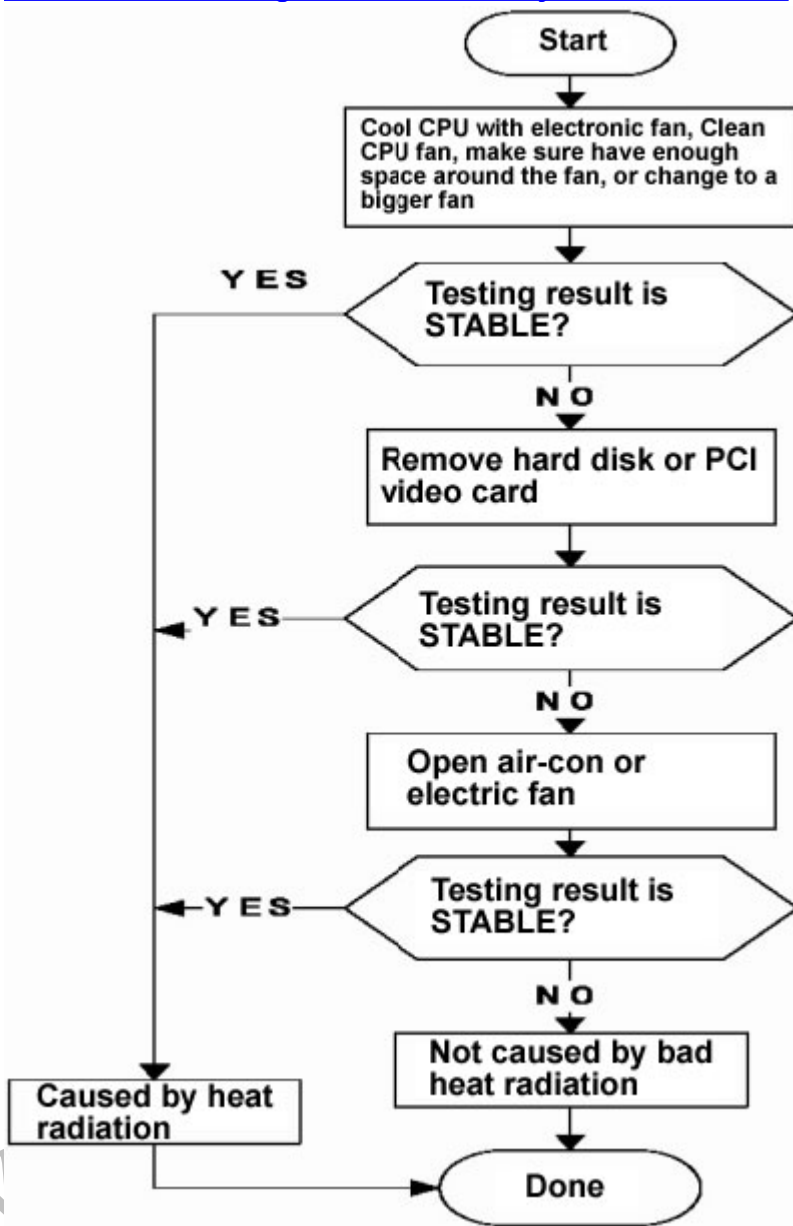
**Chart VIII How to distinguish if it's caused by plugging different brand of RAM in same motherboard**



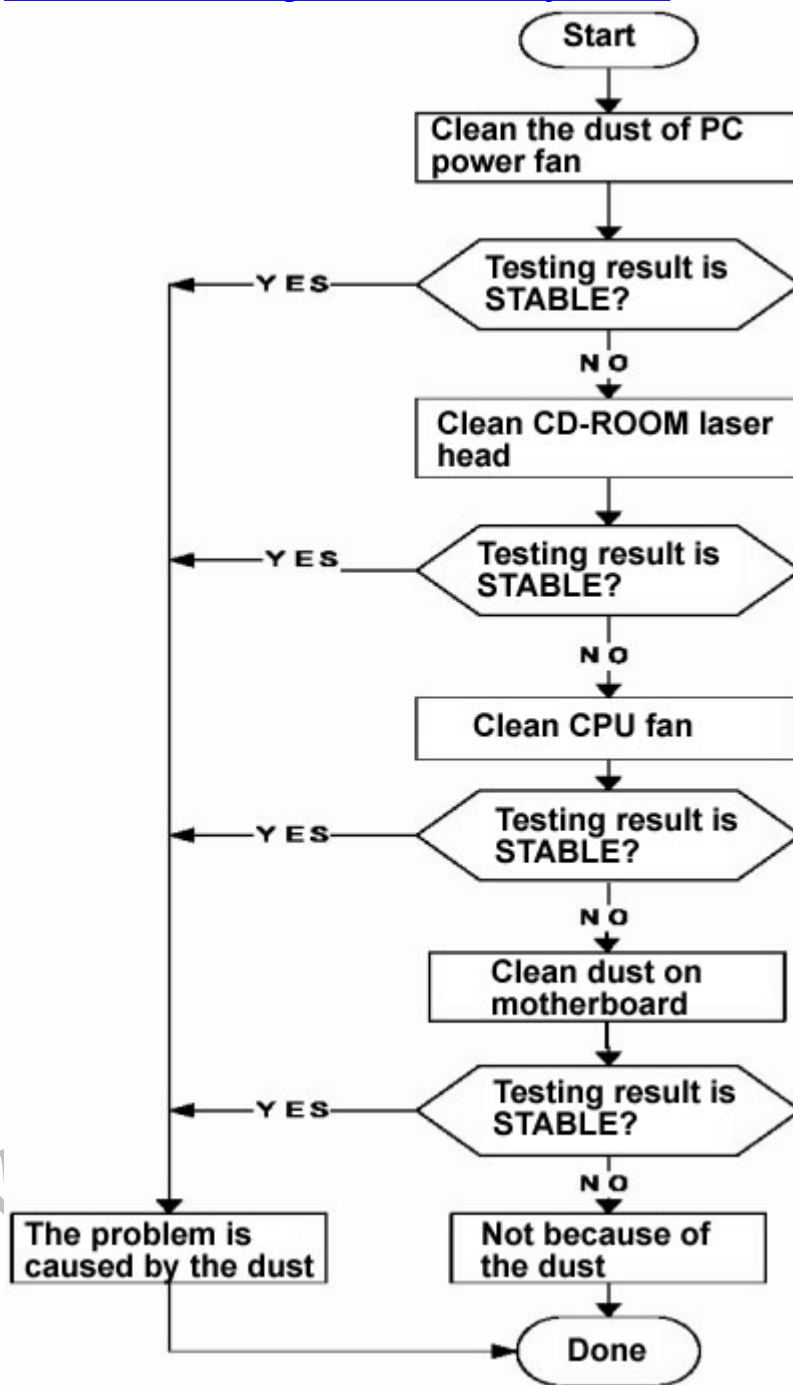
**Chart IX How to distinguish if it's because of power supply can't afford to work**



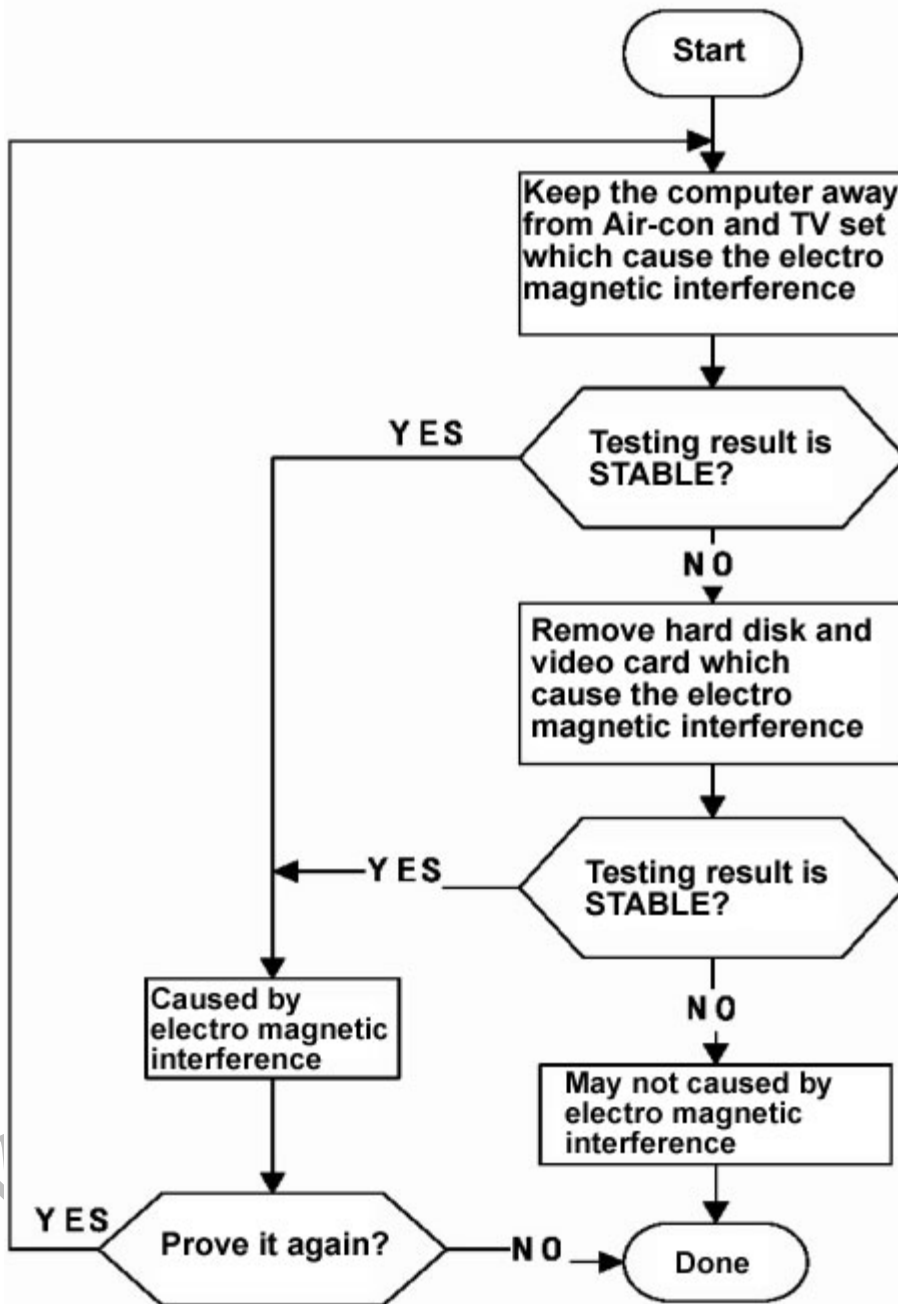
**Chart X How to distinguish if it's caused by bad heat radiation**



**Chart XI How to distinguish if it's caused by the dust**



**Chart XII How to distinguish if it's caused by strong electro magnetic interference**



**Chart XIII How to distinguish if it's caused by bad contact of circuit**

