Boot Failure Troubleshooting Flowchart

Excerpted and compiled from “Computer Repair with Diagnostic Flowcharts” ISBN 0972380116

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http://www.fonerbooks.com/pcrepair.htm

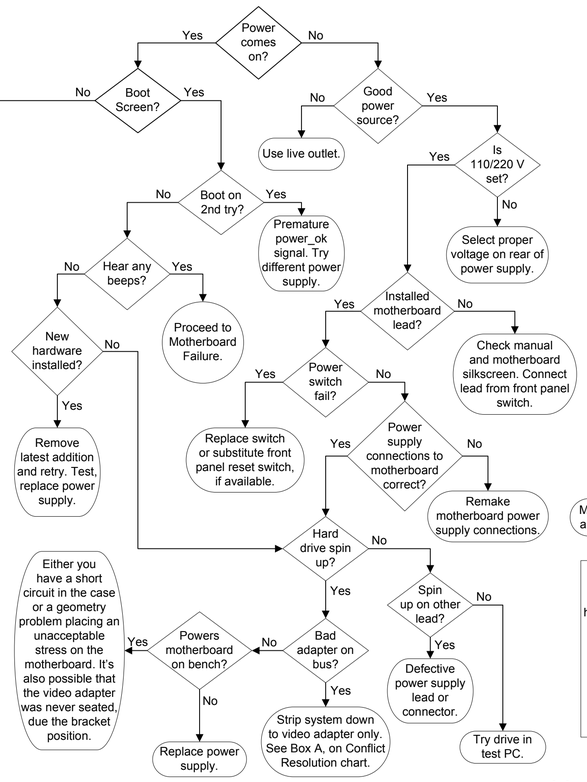
Version 1.0A

Please Read

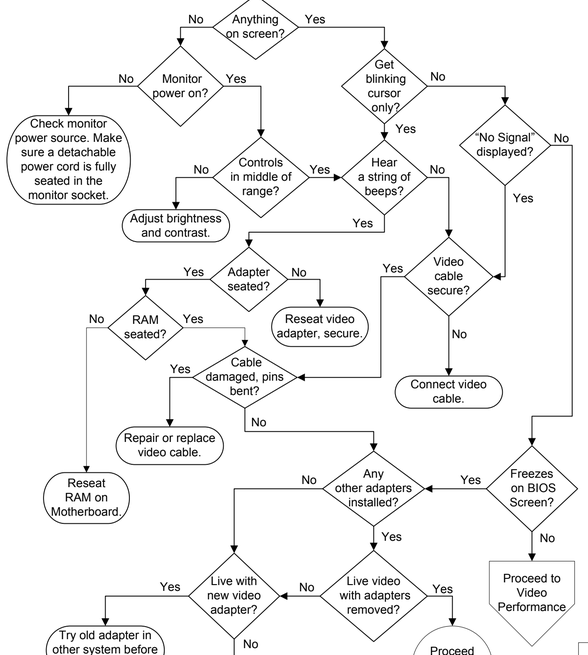
The author has done his best to provide accurate and up-to-date information in this Boot Failure Troubleshooting Flowchart, but he cannot guarantee that the information is correct or will fit your particular situation. This poster is supplied with the understanding that the publisher and the author are not engaged in rendering professional or engineering services. If expert assistance is required, the services of a competent professional should be sought.

Symbol Key

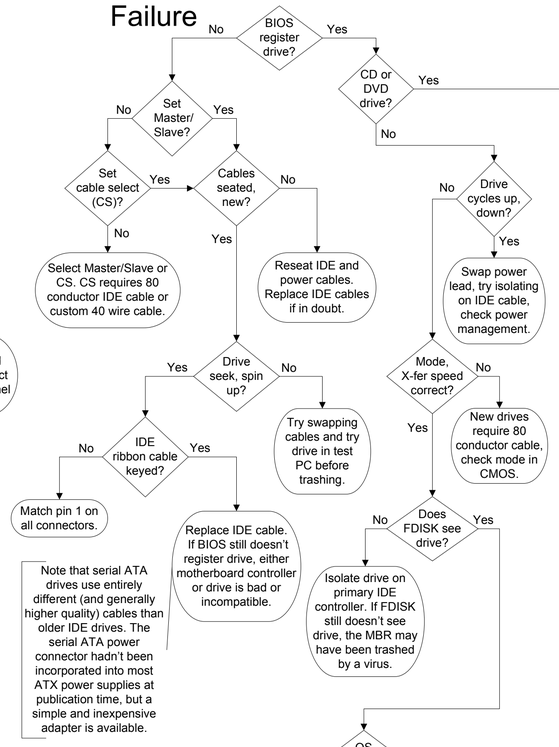
Power Supply Failure



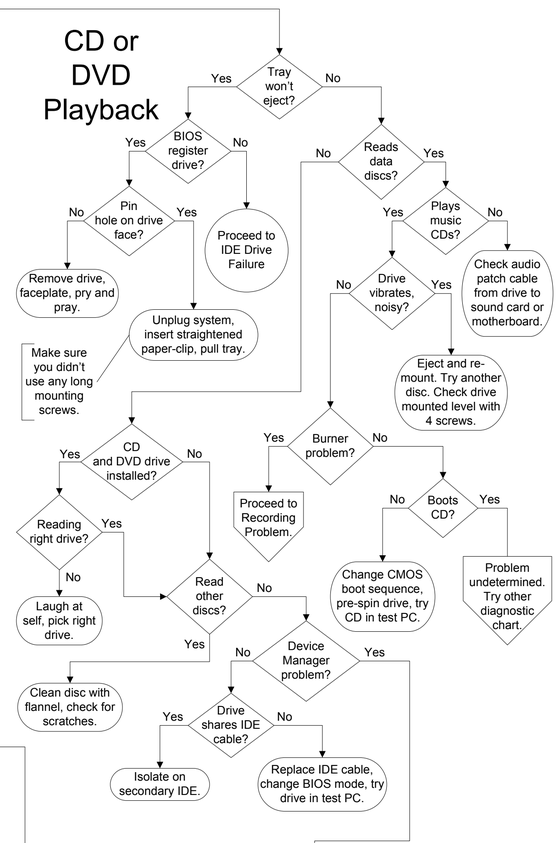
Video Failure



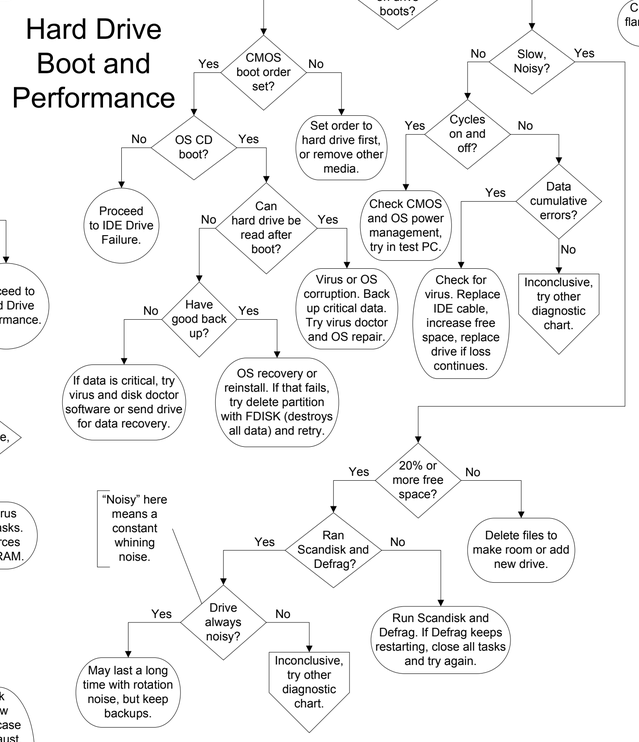
IDE Drive Failure



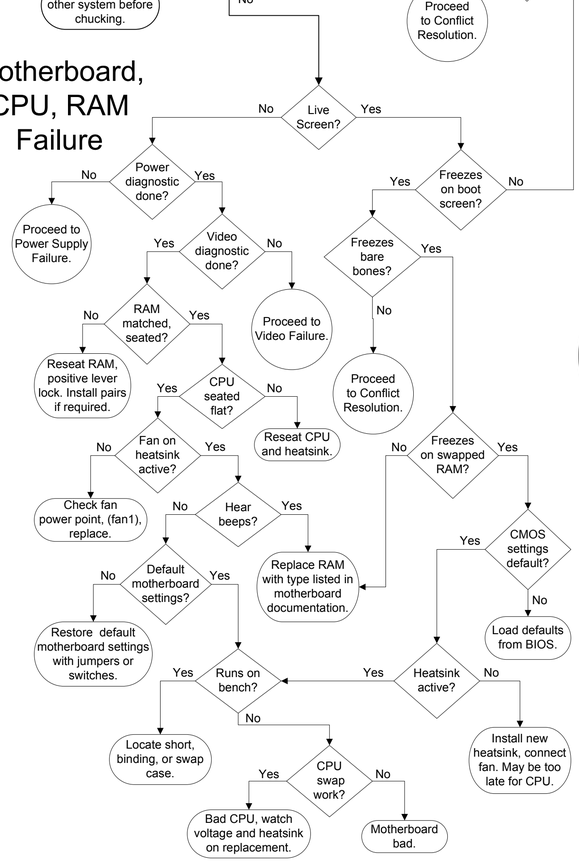
CD or DVD Playback



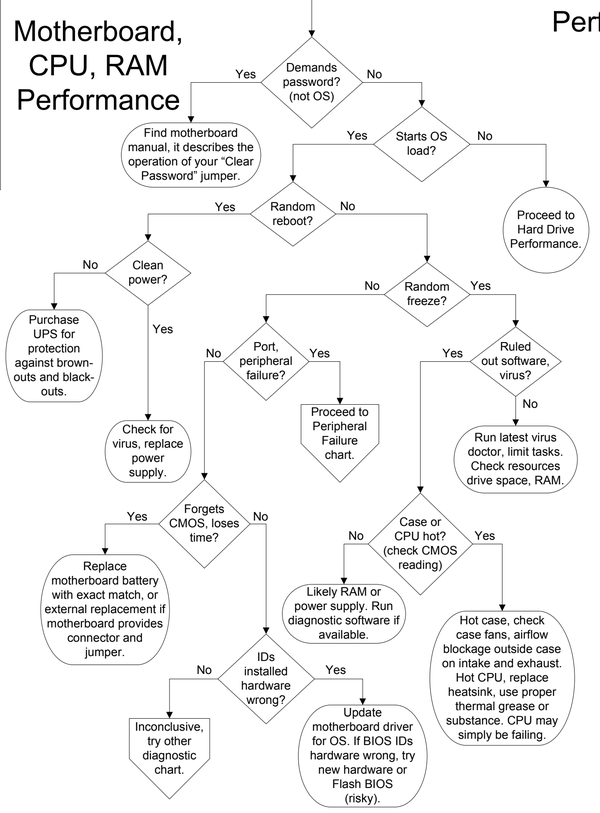
Hard Drive Boot and Performance



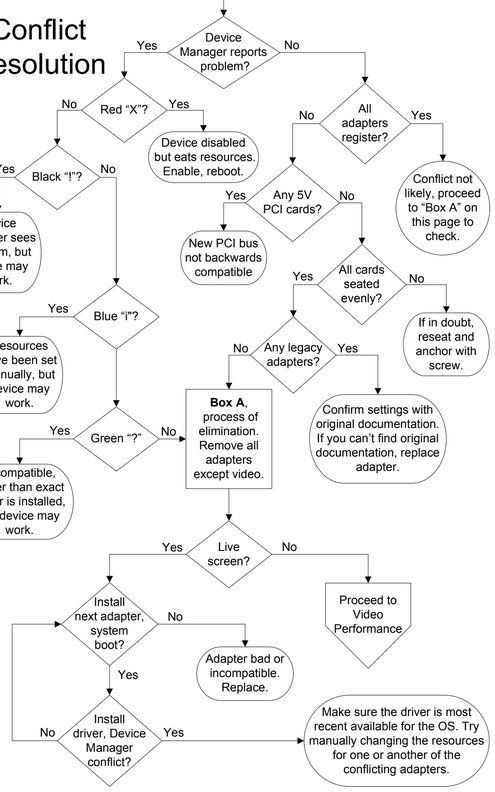
Motherboard, CPU, RAM Failure



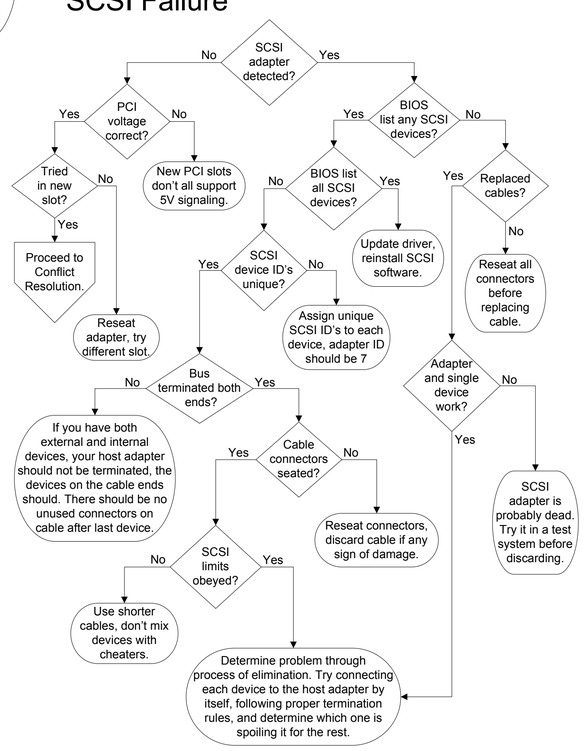
Motherboard, CPU, RAM Performance



Conflict Resolution



SCSI Failure



20 Pin Power Supply Motherboard Connector

ATX Version 1.2			
Pin 1	3.3V	3.3V	Pin 11
Pin 2	3.3V	-12.0V	Pin 12
Pin 3	GND	GND	Pin13
Pin 4	5.0V	P_ON	Pin 14
Pin 5	GND	GND	Pin 15
Pin 6	5.0V	GND	Pin 16
Pin 7	GND	GND	Pin 17
Pin 8	P_OK	-5.0V	Pin 18
Pin 9	5VSB	5.0V	Pin 19
Pin 10	12.0V	5.0V	Pin 20

Color Coding

Black	Ground
Orange	3.3V
Red	5.0V
Gray	P_OK
Purple	5.0VSB
Green	P_ON
Yellow	12.0V
Blue	-12.0V
White	-5.0V

Video Pinout

1-Red

2-Green

3-Blue

4-Monitor ID (Note: pins for ID bits often not present)

5-Ground

6-Red Return (coax shield)

7-Green Return (coax shield)

8-Blue Return (coax shield)

9 No-Connection

10-Sync Ground

11-Monitor ID

12-Monitor ID

13-Horizontal-Sync

14-Vertical-Sync

15-Monitor ID

SCSI ID's

ID	ID3	ID2	ID1	ID0
0				
1				X
2			X	
3			X	X
4		X		
5		X		X
6		X	X	
7		X	X	X
8	X			
9	X			X
10	X		X	
11	X		X	X
12	X	X		
13	X	X		X
14	X	X	X	
15	X	X	X	X