

MAP 0100: System Board Start

Symptom Explanation	Conditions That Could Cause This Symptom
You have entered this MAP because you were unable to complete the POST, or you received a 1XX error message.	<ul style="list-style-type: none">The system board is failing.

0100

001

Find your system type in the following figure and go to the MAP indicated.

System Type	MAP
Personal Computer.....	MAP 0100: System Board (PC)
Personal Computer XT	MAP 0100: System Board (PC)
Portable PC.....	MAP 0100: System Board (PC)
Personal Computer AT	MAP 0100: System Board (AT)

Figure 1. System Identification

Notes:



MAP 0100: System Board (PC)

Symptom Explanation	Conditions That Could Cause This Symptom
You have entered this MAP because you were unable to complete the POST, or you received a 1XX error message.	<ul style="list-style-type: none">The system board is failing.

0100

001

- Power off the system.
- Insert the Advanced Diagnostics diskette into drive A.
- Power on the system.

DID THE POST FINISH WITHOUT A 1XX ERROR MESSAGE?

Yes No

|

002

Replace the system board.

003

- Select **0 (SYSTEM CHECKOUT)**.
- Run the System Board tests. Use the **(RUN TESTS MULTIPLE TIMES)** option.

DID YOU RECEIVE A 1XX ERROR MESSAGE?

Yes No

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004

You have successfully completed the Advanced Diagnostic tests. If you suspect an intermittent problem, start an error log. If you need instructions, refer to the Reference manual.

(Step 005 continues)

005

DID YOU RECEIVE A 199 ERROR MESSAGE?

Yes No

|
|
006

Replace the system board.

007

- Refer to "MAP 0000: Start (PC)," and verify the installed devices.

Note: The 199 error message indicates you answered "No" to the question about the installed devices list.

MAP 0100: System Board (AT)

0100

Symptom Explanation	Conditions That Could Cause This Symptom
You have entered this MAP because you were unable to complete the POST, or you received a 1XX error message.	<ul style="list-style-type: none">• The system board is failing.• The battery is failing.• The keyboard cable is failing.• The keyboard is failing.

001

- Power off the system.
- Insert the Advanced Diagnostics diskette into drive A.
- Wait at least 10 seconds.
- Power on the system.

DID YOU RECEIVE A 1XX ERROR MESSAGE DURING THE POST?

Yes No

|

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002

Go to Step 004 in this MAP.

003

Go to Step 009 in this MAP.

004

(From Step 002 in this MAP)

DID THE ADVANCED DIAGNOSTICS MENU APPEAR ON THE SCREEN?

Yes No

|

|

005

Go to "MAP 0000: Start (AT)."

006

(Step 006 continues)

006 (continued)

- Press **0** (**SYSTEM CHECKOUT**).
- Run the System Board tests. Use the (**RUN TESTS MULTIPLE TIMES**) option.

DID YOU RECEIVE A 1XX ERROR?

Yes No

007

You have successfully completed the Advanced Diagnostic tests. If you suspect an intermittent problem, start an error log. If you need instructions, refer to the Reference manual.

008

Replace the system board.

009

(From Step 003 in this MAP)

Find your error code in the following figure and take the action indicated.

Error Code	Action
105	Go to Step 018 in this MAP.
162, 163, 164	Go to MAP 0000: Start (AT).
101, 107	Go to MAP 0020: Power Start.
151, 161	Go to Step 010 in this MAP.
102, 103, 104, 106, 108, 109, 121, 152	Replace the System Board.

Figure 1. POST Errors

010

(From Step 009 in this MAP)

This error message indicates a new or a defective battery is in the system.

IS A NEW BATTERY INSTALLED IN THE SYSTEM?

Yes No

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011

Go to Step 015 in this MAP.

012

- Run the Setup program and correct any errors.

Note: A 161 Battery Defective or New Battery Installed message appears during the POST after battery installation or replacement.

DID RUNNING THE SETUP PROGRAM CORRECT THE PROBLEM?

Yes No

|

|

013

Go to Step 015 in this MAP.

014

You have successfully completed the Advanced Diagnostic tests. If you suspect an intermittent problem, start an error log. If you need instructions, refer to the Reference manual.

015

(From Steps 011 and 013 in this MAP)

- Disconnect the battery from the system board and check the voltage between pins 1 and 4 on the battery cable connector.

WAS THE VOLTAGE AT LEAST 6.0 VDC?

Yes No

016

Replace the battery.

CAUTION

Fire, explosion, and severe burn hazard can be caused by the battery. DO NOT recharge, disassemble, heat above 100°C (212°F), solder directly to the cell, incinerate, or expose battery cell contents to water.

017

- Replace the system board.
-

018

(From Step 009 in this MAP)

- Power off the system.
- Disconnect the keyboard cable from the system unit.
- Power on the system.

DID YOU RECEIVE A 105 ERROR MESSAGE?

Yes No

019

Go to Step 021 in this MAP.

020

Replace the system board.

021

(From Step 019 in this MAP)

- Power off the system.
 - Disconnect the keyboard cable from the keyboard.
- (Step 021 continues)

021 (continued)

- Refer to Figure 2, and check the keyboard cable for continuity.

Note: Check the continuity of wires 1, 2, 4, and 5 (wire 3 is not used).

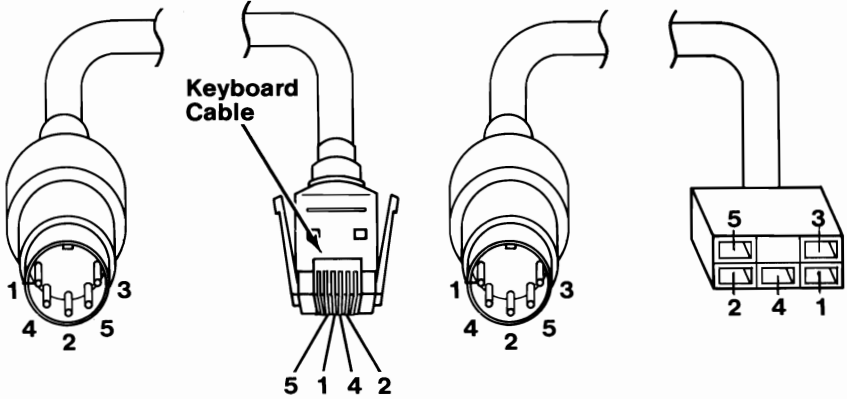


Figure 2. Continuity Check

DOES THE KEYBOARD CABLE HAVE CONTINUITY?

Yes	No
	022
	Replace the keyboard cable.

023
Replace the keyboard assembly.

0100

Notes: