ADAPTEC ACB-2370B ROUBLESHOOTING CHECKLIST

Gets a 1790 at boot-up:

A 1790 Error is normal for an unformatted drive, Just press F1 to

Long boot time:

to Debug and format the drive. the system will boot to the floppy drive. Then you can proceed to allow this re-trying to continue for up to two minutes before drive even though it has not been formatted yet. You will have Some AT systems may continue to retry booting to the hard

Recal error, or no drive attached error;

cable for hard drives. controller is connected to Pin 1 of the drive. If only one drive is Drive 1, and J3 goes to both drives. Be sure that PIn 1 on the Check hard disk cables; Be sure J2 goes to Drive 0, J1 goes to that it is correctly set for the type of cable you are using. being used, only J2 and J3 should be used. Do not use a floppy Check the drive select jumper on the hard disk drive; be sure

Misc. errors, or no format rouline:

Check that the jumpers on controller are set as shown in this

Excessive defects, or falls to format:

manufacturer. Make sure the arive is RLL certified. Check with the drive

Won't boot to C:

selected. Check to see that the SETUP program shows drive type 1 is

Intermittant operation errors, or Read/Write errors.

power requirements. are correct. Consult with the drive vendor for the correct drive Check that the power supply can support the added current required by the drive. Be sure that the +5V and +12V voltages Check that the terminator on each drive is set properly.

System hang or boot problems:

needs this jumper installed on the controller board Try installing the BUS WAIT STATE Jumper. The DTK 10 MHz system

Swap the drive with a known-good drive Swap the 2370B controller with another 2370B controller. Replace the cables with known-good cables out components in this order and try again: If none of the above steps cure the problem, then swap

F.C.C. CERTIFICATION

occur in a particular instaliation, if this equipment does cause interterence to tadio or television reception, which can be determined by turning the equipmay cause interference to radio and television reception, it has been type-tested and found to comply with the limits for a Class B computing device in accordance with the specifications in "Subpart Jos Part 16 of FCC Rules", which are designed to provide reasonable protection against such interference in a one or more of the following measures: ment off and on, the user is encouraged to try to correct the Interference by residential installation. However, there is no guarantee that intererence will not used properly, that is, in strict accordance with the manufacturer's instructions This equipment generates and uses radio frequency, and if not instated and

Rearlent receiving antenna.

Relocate the computer with respect to the receiver.

Move the computer away from the receiver.

Plug the computer into a different outlet to that computer and

receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/ booklet prepared by the Federal Communications Commission helpful. television technicion for additional suggestions. The user may tind the following

Slock No. 004-000-00345-4. available from the U.S. Government Printing Office, Washington, D.C. 20/02 'How to Identity and Resolve Radio-TV Interference Problems.' This booklet is

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CHANGES

The material in this guide is for information only and is subject to change without notice. Adaptiec reserves the right to make changes in the product design without reservation and without notification to its users.

please contact your authorized dealer. If you require further information or other technical support

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Installation Guide ACB-2370B adaptec

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WICK INSTALLATION

one 20-pln cable each to hard drive 0 from J2, and Install controller and drives into your AT, and cable to hard drive 1 from J1. from J3 and connect to both hard drives. Connect them together. Run a 34-pin hard drive control cable

Run your AT "SETUP" program from your AT DIAGS diskette and set the hard drives to type 1.

A > DEBUG <CR>
-G=C800:5 <CR>

Boot to DOS, and run DEBUG

The Adaptec format menu will be displayed

Choose: 1 - to primary-format drive 1.

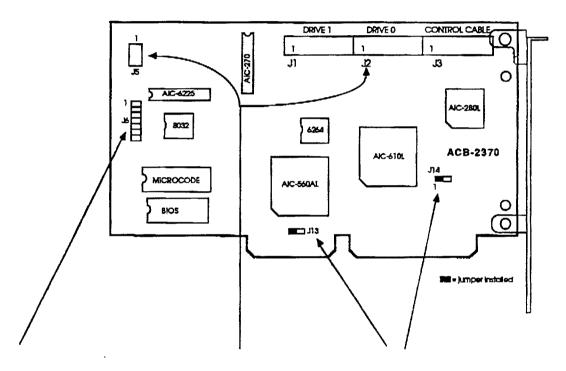
Enter the number of heads and cylinders for your drive.

Now just keep hifting the enter key <CR>, (to select each default entry).

Now you are ready to Install your operating system program, After format is complete. Choose q - to quit this

Go to DOS FDISK and FORMAT, or, SPEEDSTOR, DISK MANAGER, SCO XENIX, OS/2, UNIX, 8tc.

If you run into any problem, consult the troubleshooting checklist on page 5.



JUMPERS

- HARD DRIVE PORT ADDRESS Not installed = 1F0 - 1F7 installed = 170 - 177
- J6-2 NOT USED

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- J6-3 BUS WAIT STATE Not installed = Enabled Installed = Disabled
- STEP RATE/ RECAL J6-4 Not installed = 16 µSec rate and recal to 0 Installed = Recal to 0 minus 1 and 35 µsec rate
- READ AHEAD CACHE J6-5 Not installed = Enabled Installed = Disabled
- NOT USED J6-6
- NOT USED

CONNECTORS

- J1 HARD DRIVE 1, DATA CABLE J2 - HARD DRIVE O. DATA CABLE
- J3 HARD DRIVE CONTROL CABLE
- J5 DRIVE ACTIVITY LIGHT

* = as shipped

JUMPERS

- J14- ACB BIOS ADDRESS SELECTION
 - *1-2 C8000-CBFFF
 - 2-3 CC000-CFFFF
 - NO JUMPER = BIOS DISABLED
- J13 HARD DRIVE INTERRUPT REQUEST
 - 1-2 IRQ14
 - 2-3 IRQ15
 - 3-4 DO NOT USE
- * = as shipped