

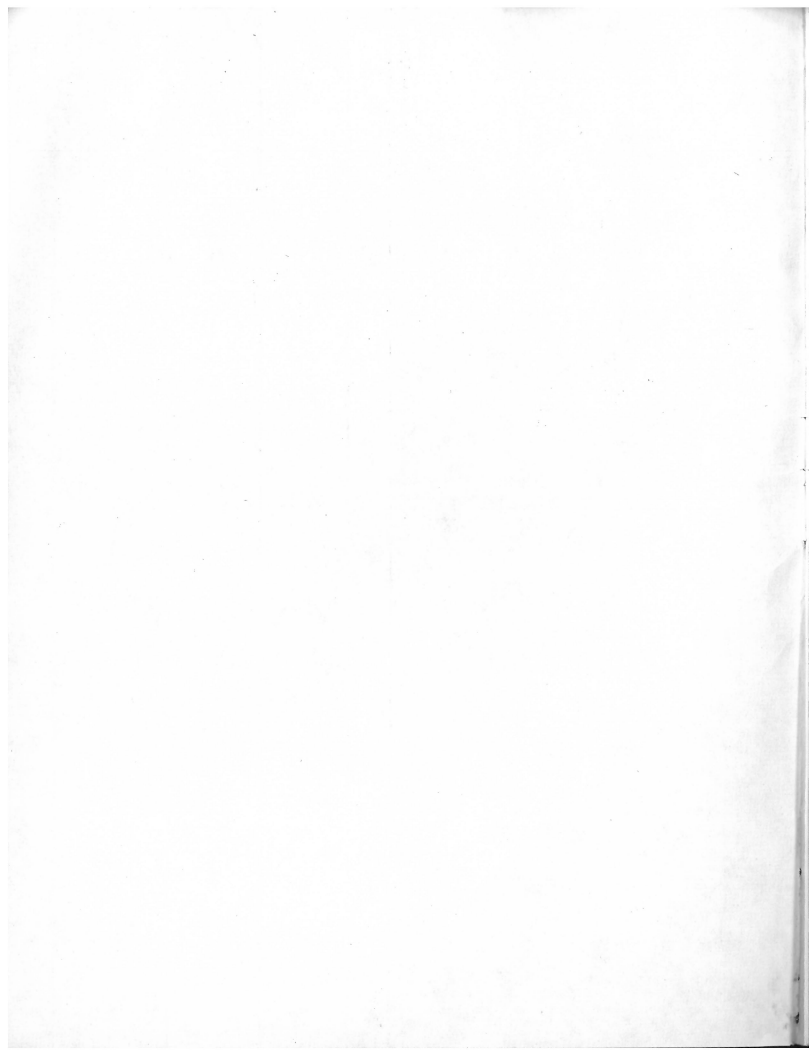
Tandy 5000 MC

**ESDI Hard Drive Controller Adapter**

Installation and Operation

90-2450

WDC79-000421-000



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## Introduction

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The ESDI Hard Drive Controller Adapter supports up to two ESDI hard drives for your 5000 MC. This adapter is designed for computers using Micro Channel adapter expansion slots, and should only be used with ESDI hard drives.

**Caution:** Using this adapter with a hard drive that does not use an ESDI format can cause damage to the hard drive. Do not connect this adapter or use these utilities on any drive type other than an ESDI.

### Package Contents

The ESDI Hard Drive Controller Kit includes the following:

- A 34-pin controller cable
- An Extended Utilities Diskette



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## Installation

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If you want to do the installation yourself, use the instructions in this manual after carefully reading them. If you do not feel comfortable doing this kind of work, your nearest Radio Shack Service Center can do the job and guarantee the work.

Caution: Static electricity can damage integrated circuits. Be sure to discharge any built-up static electricity by touching a grounded, metal object before handling the hard disk controller adapter or touching any of the computer's logic boards.

Install the hard drive using these general steps:

1. Turn off your computer and disconnect it from its electrical power source. (Refer to your 5000 MC Installation and Operation Manual for details.)
2. Remove the cover. (Refer to your 5000 MC Installation and Operation Manual for details.)
3. Install the hard drive(s). (Refer to your hard drive installation manual for details.)

### • Unpacking and Inspection

Carefully unpack the ESDI Hard Drive controller Adapter. Inspect it for possible damage during shipment.

### Installing the Controller Adapter

Remove the cover from your 5000 MC. See "Opening the Computer" in the 5000 MC Installation and Operation manual for details. Be sure to observe all safety precautions.

Because there are no settings to be made on this controller adapter, you can install it without making any adjustments. Install this adapter into Slot #5. Refer to the 5000 MC Installation and Operation manual for specific installation instructions. (See "If You Install Adapter Boards".)

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## **ESDI Hard Drive Controller Adapter**

### **Attaching the Drive Cables**

Now that the adapter is in the system, attach the drive cables. (Each cable's connector is keyed, and only connects to the adapter one way.)

1. Attach the controller cable (included with this kit) to the controller cable connector on the adapter.
2. Connect the data cable(s) to the data cable connector on the adapter.

Drive 1 Data Cable Connector

Drive 0 Data Cable Connector

Controller Cable Connector

### **Initializing Your ESDI Hard Drive**

1. Using the 5000 MC Reference Diskette, select the Automatic Configuration option to let the system know that an adapter board has been added.
2. Exit to DOS and perform a low-level format by inserting the utility diskette included with this adapter into drive A. Type:

**A:ESDI \_ FMT**

This program will read the manufacturer's defect list, low-level format the drive, mark the defects, and do an optional surface analysis that searches for defects not identified at the time of manufacture.

Note: Surface analysis is a lengthy process and can take up to 1.5 hours on a 150 MB drive.

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## ***Installation***

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### **If you are using MS-DOS:**

1. After completing the low-level format, restart your system from your DOS diskette.
2. Run FDISK to create your DOS partitions.
3. Type `FORMAT C:/s` to add the high level MS-DOS format to the C: drive.

**Note:** For installation of operating systems other than MS-DOS, refer to the operating system instructions.

**You are now ready to use your ESDI drive.**

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