

# 7345A

## 345 MByte

### Integrated AT Controller

### Hard Disk Drive

# Installation Guide



**Congratulations!**

Thank you for your purchase of a Maxtor disk drive. Maxtor engineers have applied recent advances in hard drive technology to the design and manufacture of these drives. High data transfer rates and fast access times make the 7345A well-suited to desktop applications.

Please read this installation guide before you install your new disk drive. *If you are not familiar with the procedures outlined here, have a qualified computer technician perform the drive installation.*

If you need assistance or just have a question, please call our technical support staff at 800-2MAXTOR Monday-Friday 6am to 6pm MST. If you have a FAX machine, call MaxFax at 303-678-2618. If you have a modem, call the Maxtor BBS at 303-678-2222.

*All material contained herein Copyright © 1993 Maxtor Corporation. Contents and specifications subject to change without notice.*

Printed in the U.S.A. 1/193.

Part #11234/C

Maxtor Corporation  
2190 Miller Drive  
Longmont, Colorado 80501  
303-651-6000

## Before You Begin

Maxtor disk drives are precision products. Failure to observe the precautions and guidelines outlined here may lead to product failure, damage, and invalidation of all warranties.

1. **BEFORE** unpacking or handling a drive, take all proper electro-static discharge (ESD) precautions, including personnel and equipment grounding. Stand-alone drives are sensitive to ESD damage.
  2. **BEFORE** removing drives from their packing material, allow them to reach room temperature.
  3. During handling, **NEVER** drop, jar, or bump a drive.
  4. Once a drive is removed from the Maxtor shipping container, **IMMEDIATELY** secure the drive within a chassis. Otherwise, store the drive on a padded, grounded, antistatic surface, with the PCB parallel – not perpendicular – to that surface.
  5. **NEVER** switch DC power onto the drive by plugging an electrically live DC source cable into the drive's interface connector.
- Please do not remove or cover up Maxtor factory-installed drive labels. They contain information required should the drive ever need repair.*

# 7345A Installation Guide

## Installation Steps

- Install a 40-pin ribbon connector. The striped edge of this cable indicates pin 1 and must be oriented towards pin 1 at the drive connector and at the host connector.
- Install a DC power connector.
- If AT BIOS supports a user programmable drive type, program the BIOS with these default parameters: **790 cylinders, 15 heads, and 57 sectors.**
- If the AT BIOS *does not* support a user programmable drive type, choose parameters that closely match, but do not exceed, the drive's formatted capacity.
- The drive is now ready for partitioning and high-level formatting with any operating system. For example:

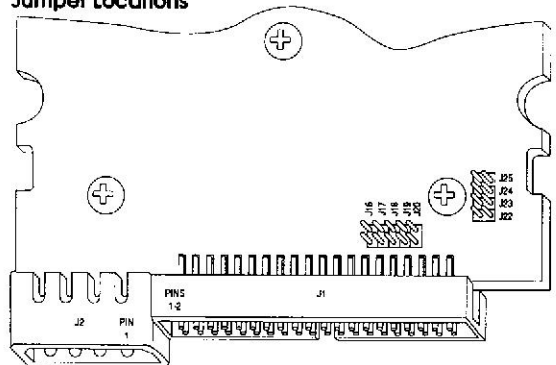
Partition the drive using the FDISK command from MS-DOS version 3.3 or higher.

High-level format the drive using the FORMAT command from MS-DOS version 3.3 or higher.

- Secure the drive in a suitable drive bay with 6-32 x 1/4" screws.

*Note: WPC and Landing Zone BIOS entries do not need a specific number for proper operation. Maxtor AT interface hard drives will ignore and override any numbers programmed.*

## Jumper Locations



## Technical Notes

- Drive is low-level formatted with 1:1 interleave at factory – with any defects retired to a dedicated, non-destructive zone.
- Jumper J25 factory reserved. Jumper J19 is a spare shunt.
- Maxtor defines one megabyte as 10<sup>6</sup> or one million bytes.

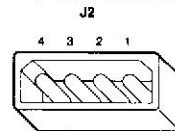
## Jumper Designation

Jumper Designation	J24	J23	J22	J20	J18	J17	J16
<b>Cable Select</b>							
Disabled*	O						
Enabled	J						
<b>Write Cache</b>							
Enabled*		O					
Disabled		J					
<b>Drive Compatibility</b>							
Disabled*			O				
Enabled			J				
<b>Master/Slave</b>							
Only drive in single drive system*				J			
Master in dual drive system				J			
Slave in dual drive system				O			
<b>Low Power Spin Mode</b>							
Disabled*					O		
Enabled					J		
<b>ECC</b>							
11-Byte*						O	
4-Byte emulation						J	
<b>I/O Channel Ready</b>							
Option Disabled*							O
Option Enabled							J

\* = Default J = Jumpered O = Open.

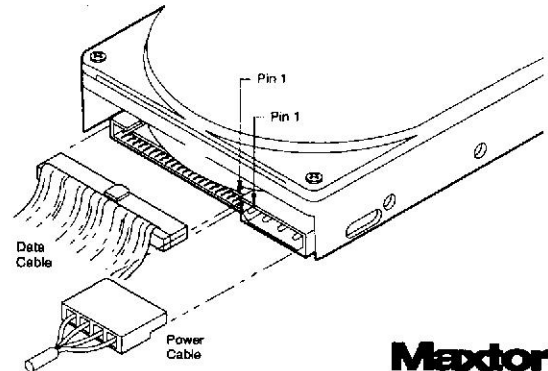
Note: Jumper J25 factory reserved. Jumper J19 is a spare shunt.

## DC Power Connector



Pin 1 = +12 V DC  
 Pin 2 = +12 V Ground Return  
 Pin 3 = +5 V Ground Return  
 Pin 4 = +5 V DC

## Interface and Power Connections



**Maxtor**