MaXLine II PATA Midline Hard Disk Drive Family:

CAPACITIES:

MODEL	ACT CYLs	HDS	SECT	MAX CYLS	GB CAPACITY
5A250J0	486,344	16	63	16,383	250GB
5A300J0	588,422	16	63	16,383	300GB

NOTE: NEVER enter more than 16,383 cylinders in the system BIOS. This may potentially cause data loss.

PATA = Parallel ATA

Jumper Settings:

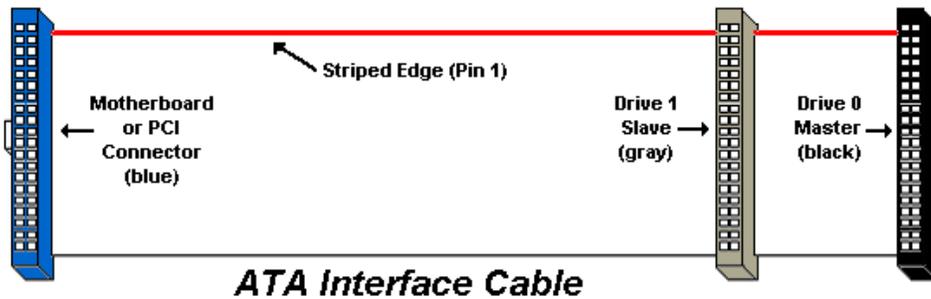**(Master)** - A jumper placed over the DS pins configures the drive as a Master.

(Slave) - No jumper is required to configure the drive as a Slave.

(Cable Select) - A jumper placed over the CS pins configures the drive for Cable Select.

(Master with CLJ) - A jumper placed over the DS pins configures the drive as a Master. The jumper over the CLJ (Cylinder Limitation Jumper) pins limits the drive's storage capacity.

(Slave with CLJ) - No jumper is required to configure the drive as a Slave. The jumper over the CLJ (Cylinder Limitation Jumper) pins limits the drive's storage capacity.

(Cable Select with CLJ) - A jumper placed over the CS pins configures the drive for Cable Select. The jumper over the CLJ (Cylinder Limitation Jumper) pins limits the drive's storage capacity.

Key Features:

- **5400 RPM**
- **Capacities up to 300GB**
- **PATA Interface ***
- **Sustained data transfer rates up to 46MB/sec**
- **10 ms average seek time**
- **133MB/sec max bus speed**
- **2MB Cache Buffer**
- **>1 million hours MTTF**
- **S.M.A.R.T. compliance features**

Cable Requirements:

An 80-Wire UDMA Interface Cable is REQUIRED for all UDMA/133, UDMA/100 & UDMA/66 hard drives.

(Recommended for UDMA/33)

Misc Drive Info:

For more information on **cylinder limitations**, **BIOS**, step-by-step installation procedures, troubleshooting procedures and more go to the Maxtor.com **Knowledge Base**.

GB = 1 billion bytes. Total accessible capacity varies depending on operating environment.

* This document only highlights PATA

Applications

- Instant archive
- Network attached storage
- Mirroring snapshots
- Transaction logs
- Partial backup
- Data mining
- File recovery
- Off-site recovery
- E-mail archive
- Daily backup
- Data warehousing