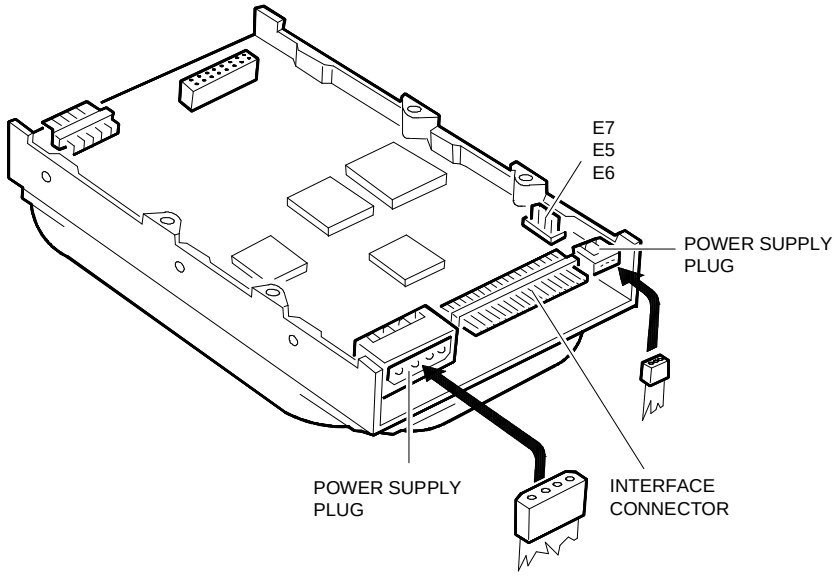
AT HARD DISK DRIVES

20 MB HDU	CONNER CP3022	AT

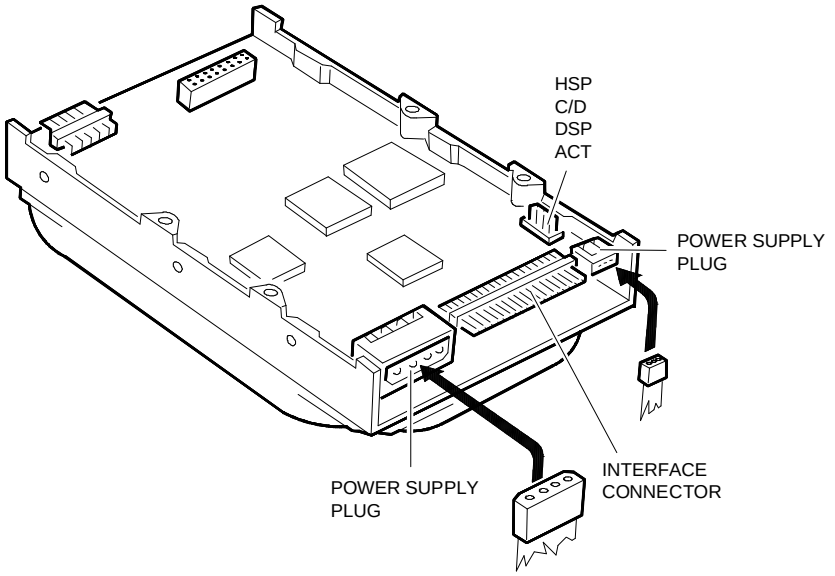


ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
3575 RPM		615	1	2	4		17	RLL 2.7

JUMPERS	DESCRIPTION
E5	If inserted enables pin 39 of the interface connector as ACTIVE
E6	If inserted connects the SLAVE PRESENT signal to pin 39
E7	If inserted sets the drive to master

SETUP			
JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
E5 E6 E7	ON OFF ON	OFF ON ON	OFF ON OFF

20 MB HDU **40 MB HDU** **40 MB HDU** **40 MB HDU** **40 MB HDU**	**CONNER CP3024 (Sierra)** **CONNER CP3044 (Sierra)** **CONNER CP3046 (Thumper)** **CONNER CP3046F (Scamper)** **CONNER CP3000**	**AT**



MODEL	ROTAT.	CYLINDERS		DISKS	HEAD		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CP3024	3575 RPM	636	615	1	2	4	33	17	RLL 2.7
CP3044	3557 RPM	1047	980	1	2	5	40	17	RLL 2.7
CP3046	3557 RPM	1047	980	1	2	5	40	17	RLL 2.7
CP3046F	3557 RPM	1047	980	1	2	5	40	17	RLL 2.7
CP3000	3557 RPM	1047	980	1	2	5	40	17	RLL 2.7

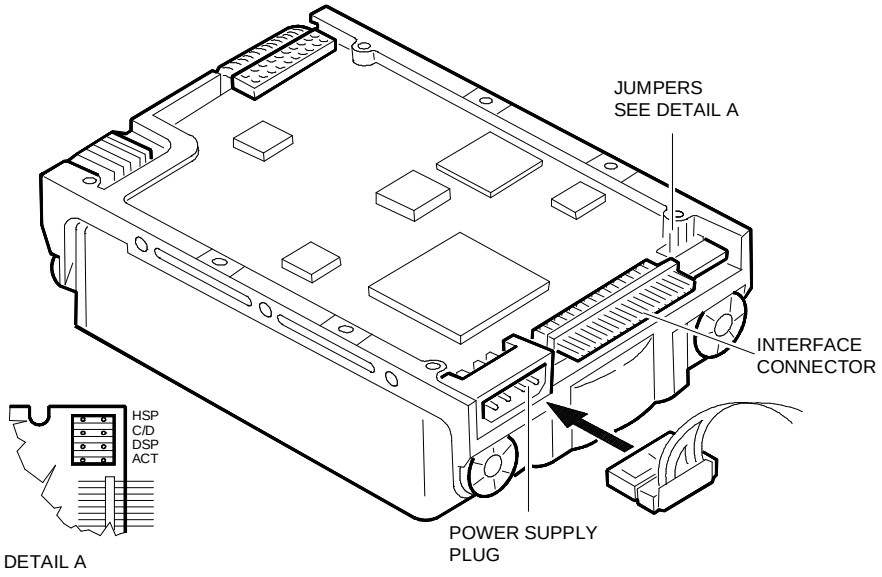
JUMPERS	DESCRIPTION
ACT	If inserted enables pin 39 of the interface connector as ACTIVE
HSP	If inserted connects pin 39 to ground with the meaning SLAVE PRESENT
C/D	If inserted sets the drive to master
DSP	If inserted tells the master drive that the slave driver is present

SETTING FOR THE CP3024, CP3044 AND CP3000			
JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
HSP	OFF	OFF	ON
C/D	ON	ON	OFF
DSP	OFF	ON	OFF
ACT	ON	OFF	OFF

SETTING FOR CP3046				
SYSTEMS	**JUMPERS**	**ONLY ONE HDU INSTALLED**	**TWO HDUs INSTALLED**	
			MASTER	**SLAVE**
M290 M300	HSP C/D DSP ACT	OFF ON OFF ON	-	-
M300-05 M386/25	HSP C/D DSP ACT	OFF ON ON OFF	OFF ON ON OFF	ON OFF OFF OFF

SETTING FOR CP3046F			
JUMPERS	**ONLY ONE HDU INSTALLED**	**TWO HDUs INSTALLED**	
		MASTER	**SLAVE**
HSP C/D DSP ACT	OFF ON ON ON	OFF ON ON ON	ON OFF OFF ON

40 MB HDU 40 MB HDU 100 MB HDU	CONNER CP346 CONNER CP3142 CONNER CP3106	AT

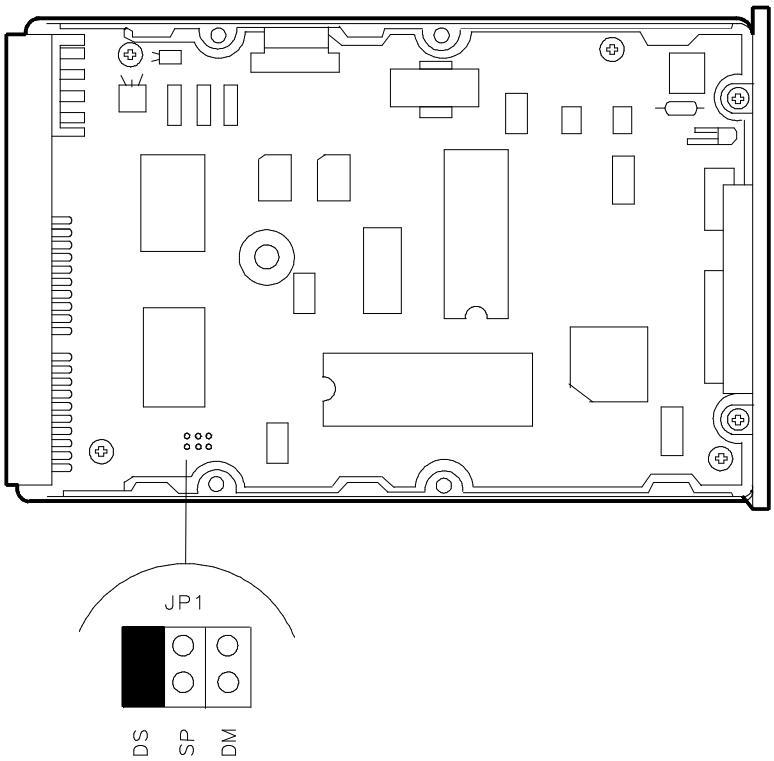


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CP346	3600 RPM		805	2		4		26	RLL 2.7
CP3142	3575 RPM		635	2		4		33	RLL 2.7
CP3106	3575 RPM		776	4		8		33	RLL 2.7

JUMPERS	DESCRIPTION
ACT	If inserted enabled pin 39 of the interface connector as ACTIVE
HSP	If inserted connects pin 39 to ground with the meaning SLAVE PRESENT
C/D	If inserted sets the drive to master
DSP	If inserted tells the master driver that the slave drive is present

SET-UP			
JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
HSP	OFF	OFF	ON
C/D	ON	ON	OFF
DSP	OFF	ON	OFF
ACT	ON	OFF	OFF

40 MB HDU 100 MB HDU	QUANTUM LPS 52 AT (Batman) QUANTUM LPS 105 AT (Batman)	AT

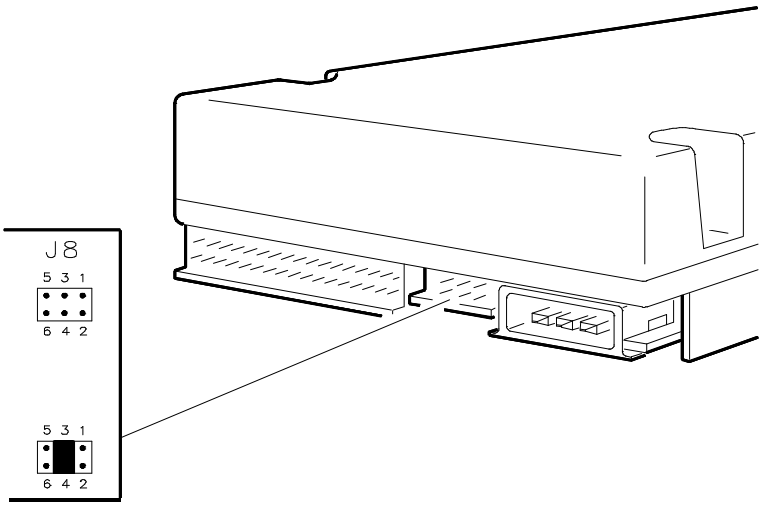


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
LPS52AT LPS105AT	3662 RPM 3662 RPM	1219 1219	805 776	1 2	2 4	4 8	35-49 35-49	26 33	RLL 2.7 RLL 2.7

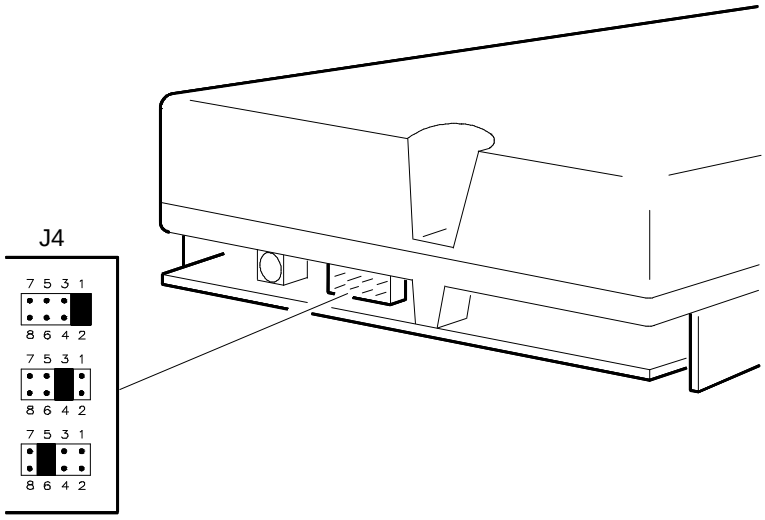
JUMPERS JP1		DESCRIPTION
DS	ON OFF	Drive selected as master Drive selected as slave
SP	OFF	Not used
DM	OFF	Not used

SET-UP			
JUMPERS JP1	ONLY ONE HDU INSTALLED	TWOs HDU INSTALLED	
		MASTER	SLAVE
DS SP DM	ON OFF OFF	ON OFF OFF	OFF OFF OFF

40 MB HDU	**W. D. AC-140-04S (Caviar)**	**AT**
40 MB HDU	**W. D. AC-140-04M / 14M (Caviar)**	**AT**
85 MB HDU	**W. D. AC-280-04M / 14M (Caviar)**	**AT**
120 MB HDU	**W. D. AC-2120-04F (Caviar)**	**AT**
170 MB HDU	**W. D. AC-1170-14H (Caviar)**	**AT**
170 MB HDU	**W. D. AC-1170-14M (Caviar)**	**AT (local bus)**
210 MB HDU	**W. D. AP-4200-04 (Piranha)**	**AT**
210 MB HDU	**W. D. AC-1210-14F (Caviar)**	**AT**
210 MB HDU	**W. D. AC-1210-14F (Caviar)**	**AT (local bus)**
240 MB HDU	**W. D. AC-2250-14F (Caviar)**	**AT**
240 MB HDU	**W. D. AC-2250-14F (Caviar)**	**AT (local bus)**
340 MB HDU	**W. D. AC-2340-14H (Caviar)**	**AT**
340 MB HDU	**W. D. AC-2340-14H (Caviar)**	**AT (local bus)**
420 MB HDU	**W. D. AC-2420-14H (Caviar)**	**AT (local bus)**
420 MB HDU	**W. D. AC1425 (Caviar)**	**AT (local bus)**
1.2 GB HDU	**W. D. AC-21200-14H (Caviar)**	**AT (local bus)**



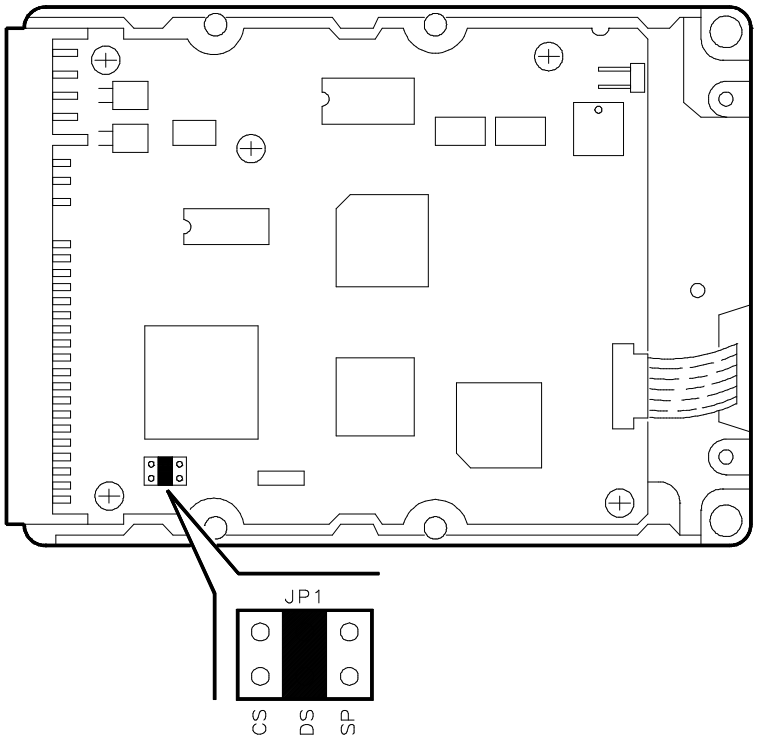
JUMPERS J8	**ONLY ONE HDU INSTALLED**	**TWO HDUs INSTALLED**	
		MASTER	**SLAVE**
1-2	OFF	OFF	OFF
3-4	OFF	OFF	ON
5-6	OFF	OFF	OFF



Note: *Jumper block J4 is present on the 210 MB HDU only e so is not used.*

MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
AC-140	3595 RPM	1082	980	1	2	5	39	17	RLL 2.7
AC-280	3595 RPM	1082	977	2	4	10		17	RLL 2.7
AC-2120			872	2	4	8		35	
AC-1170	3322 RPM	2233	1010	1	2	6	56~96	55	RLL 1.7
AP-4200			987			12		35	
AC-1210	3314 RPM	2720	989	1	2	12	55~99	35	RLL 1.7
AC-2250	3322 RPM	2233	1010	2	3	9	56~96	55	RLL 1.7
AC-2340	3322 RPM	2233	1010	2	4	12	56~96	55	RLL 1.7
AC-2420	3314 RPM	2720	989	2	4	15	55~99	56	RLL 1.7
AC-1425	4500 RPM		827	1	2	16		63	RLL 1.7
AC-21200	5400 RPM		2484	2	4	16		63	RLL 1.7

40 MB HDU	**QUANTUM ELS42AT (Pioneer)**	**AT**
85 MB HDU	**QUANTUM ELS85AT (Pioneer)**	**AT**
120 MB HDU	**QUANTUM ELS127AT (Pioneer)**	**AT**
170 MB HDU	**QUANTUM ELS170AT (Pioneer)**	**AT**
170 MB HDU	**QUANTUM LPS170AT (Road Runner)**	**AT (local bus)**
210 MB HDU	**QUANTUM LPS210AT (Road Runner)**	**AT (local bus)**
270 MB HDU	**QUANTUM LPS270AT (Thunderbolt)**	**AT (local bus)**
340 MB HDU	**QUANTUM LPS340AT (Road Runner)**	**AT (local bus)**
420 MB HDU	**QUANTUM LPS420AT (Road Runner)**	**AT (local bus)**
540 MB HDU	**QUANTUM LPS540AT (Thunderbolt)**	**AT (local bus)**

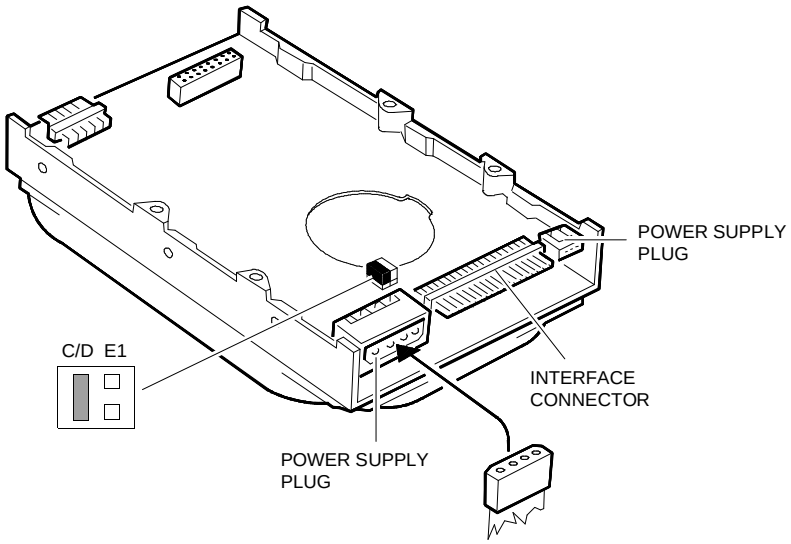


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
ELS42AT	3663 RPM						zoned		RLL 1.7
ELS85AT	3663 RPM		977	1	2	10	zoned	17	RLL 1.7
ELS127AT	3663 RPM						zoned		RLL 1.7
ELS170AT	3663 RPM		1011	2	4	15	zoned	22	RLL 1.7
LPS170AT	3600 RPM		1011	1	2	15	zoned	22	RLL 1.7
LPS210AT	3600 RPM		1011			15	zoned		RLL 1.7
LPS270AT	4500 RPM	2740	944	1	2	14	zoned	40	RLL 1.7
LPS340AT	3600 RPM		1011	2	4	15	zoned	44	RLL 1.7
LPS420AT	3600 RPM						zoned		RLL 1.7
LPS540AT	4500 RPM	2740	1020	2	4	16	zoned	59	RLL 1.7

JUMPERS JP1		DESCRIPTION
DS	ON OFF	Drive selected as master Drive selected as slave
SP	OFF	Not used
CS	OFF	Not used

SETUP			
JUMPERS JP1	ONLY ONE HDU INSTALLED	TWOs HDU INSTALLED	
		MASTER	SLAVE
DS SP CS	ON OFF OFF	ON OFF OFF	OFF OFF OFF

85 MB HDU 170 MB HDU	CONNER CP30084E (Jaguar) CONNER CP30174E (Jaguar)	AT

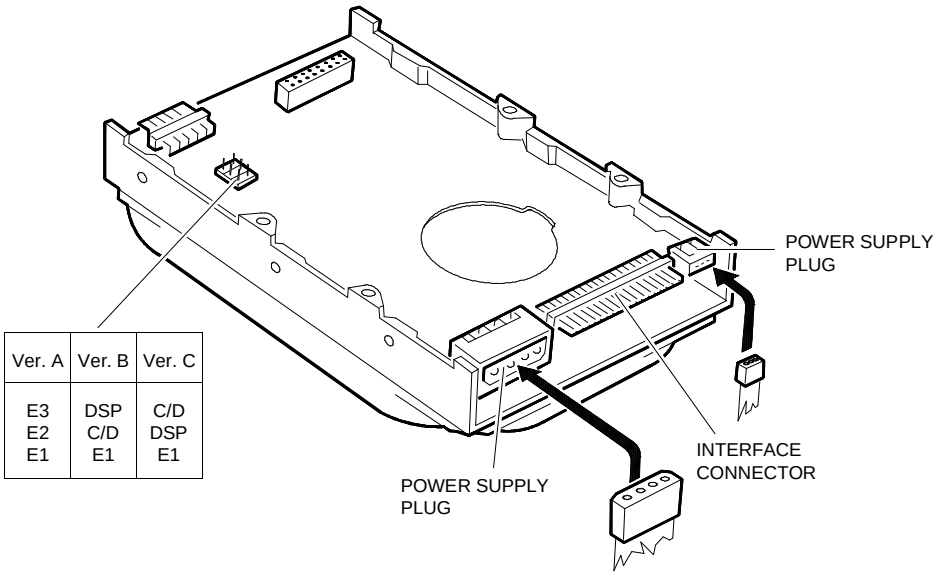


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CP30084E	3833 RPM	1806	903	1	2	4		46	RLL 1.7
CP30174E	3833 RPM	1806	903	2	4	8		46	RLL 1.7

JUMPERS	DESCRIPTION
C/D	If present, sets the drive as master or as a single drive; if not present, sets the drive as slave.
E1	Not used

SETUP			
JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
C/D E1	ON OFF	ON OFF	OFF OFF

100 MB HDU 120 MB HDU	CONNER CP30104 (Hopi) CONNER CP30126 (Hopi)	AT



Ver. A	Ver. B	Ver. C
E3 E2 E1	DSP C/D E1	C/D DSP E1

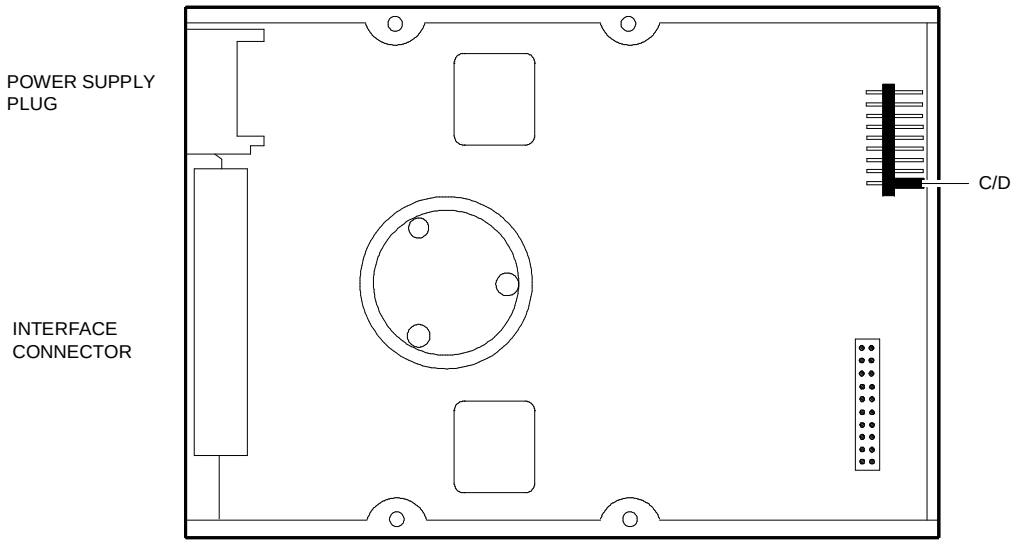
8

MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CP30104 CP30126	3400 RPM 3400 RPM	1319 1524	776 762	2 2	4 4	8 8	39 39	33 39	RLL 2.7 RLL 2.7

JUMPERS		DESCRIPTION
VER. A	VER. B, C	
E2	C/D	If present sets the drive to master
E1	DSP	If present tells the master drive that the slave drive is present.
E3	E1	Not used

SETUP				
JUMPERS		ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
VER. A	VER. B, C		MASTER	SLAVE
E2 E1 E3	C/D DSP E1	ON ON OFF	ON ON OFF	OFF OFF OFF

120 MB HDU 210 MB HDU 240 MB HDU	CONNER CP30124 (Monterey) CONNER CP30256 (Monterey) CONNER CP30254 (Monterey)	AT

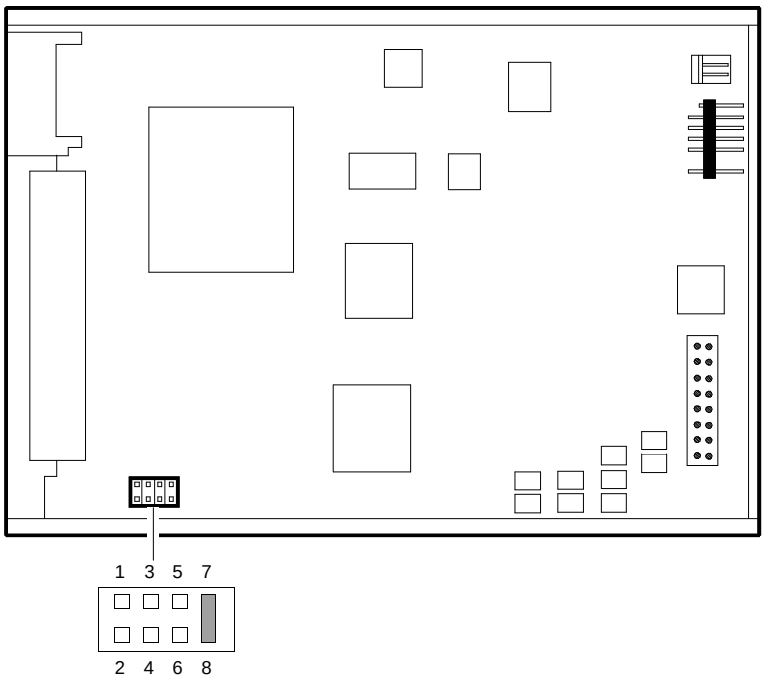


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CP30124	4542 RPM		895	1	2	5		55	RLL 1.7
CP30256	4542 RPM		895	2	4	10		55	RLL 2.7
CP30254	4542 RPM		895	2	4	10		55	RLL 2.7

JUMPER	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
C/D	OFF	ON	OFF

Note: *The other jumpers are not used.*

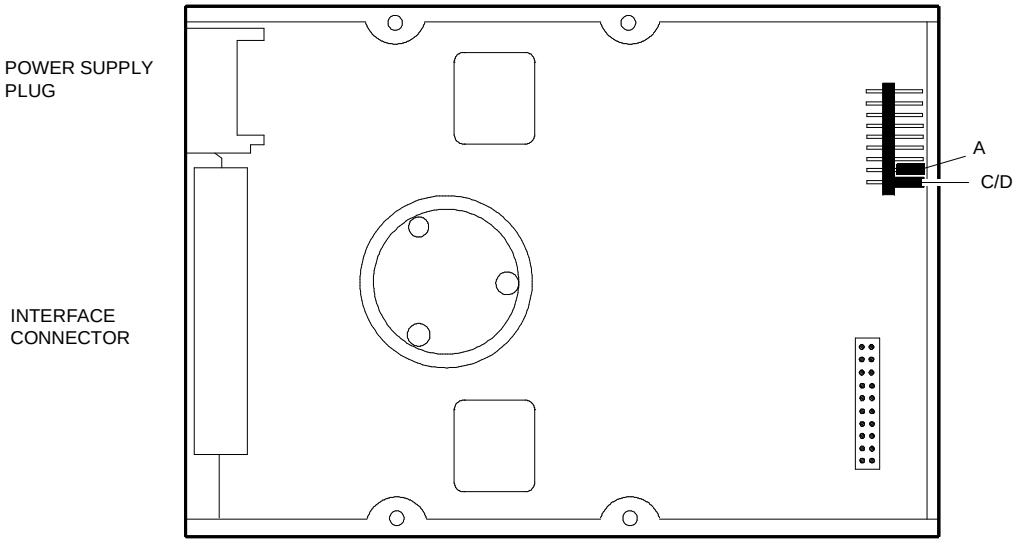
120 MB HDU	SEAGATE ST3145A	AT



ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
3811 RPM		1001	1	2	15		17	RLL 1.7

JUMPERs	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
1-2	OFF	OFF	ON
3-4	OFF	OFF	OFF
5-6	OFF	OFF	OFF
7-8	ON	ON	ON

170 MB HDU	**CONNER CFA170A (Filepro Adv.)**	**AT**
210 MB HDU	**CONNER CFS210A (Bobcat)**	**AT (local bus)**
270 MB HDU	**CONNER CFA270A (Filepro Adv.)**	**AT (local bus)**
340 MB HDU	**CONNER CFA340A (Filepro Adv.)**	**AT**
420 MB HDU	**CONNER CFS420A (Bobcat)**	**AT (local bus)**
540 MB HDU	**CONNER CFA540A (Filepro Adv.)**	**AT (local bus)**

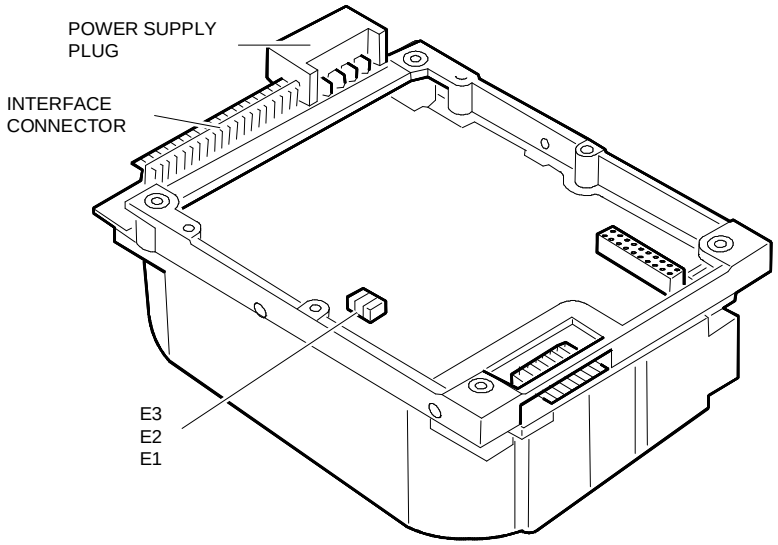


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CFA170A	4011 RPM		322	1	2	16		63	RLL 1.7
CFS210A	3600 RPM	2338	826	1	2	16	68~107	63	RLL 1.7
CFA270A	4500 RPM		524	1	2	16	zoned	63	RLL 1.7
CFA340A	4011 RPM		665	2	4	16		63	RLL 1.7
CFS420A	3600 RPM	2338	826	2	4	16	68~107	63	RLL 1.7
CFA540A	4500 RPM	2805	1048	2	4	16	72~114	63	RLL 1.7

JUMPERs	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
C/D	ON	ON	OFF
A	ON	ON	ON

Notes: - *Jumper A must never be removed.*
- *The other jumpers are not used.*

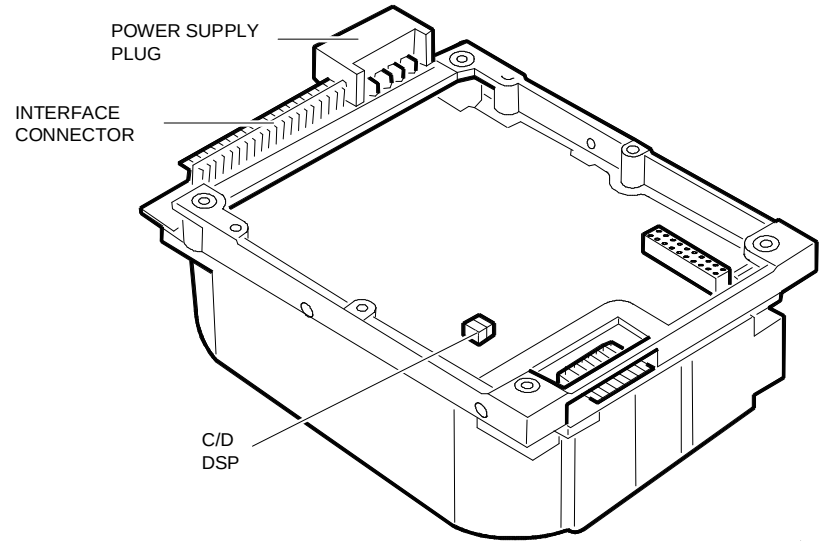
210 MB HDU	CONNER CP3206 / CP3204F (Rambo)	AT



JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
E2 E1	ON ON	ON ON	OFF OFF

Note: *Jumper E3 is not used.*

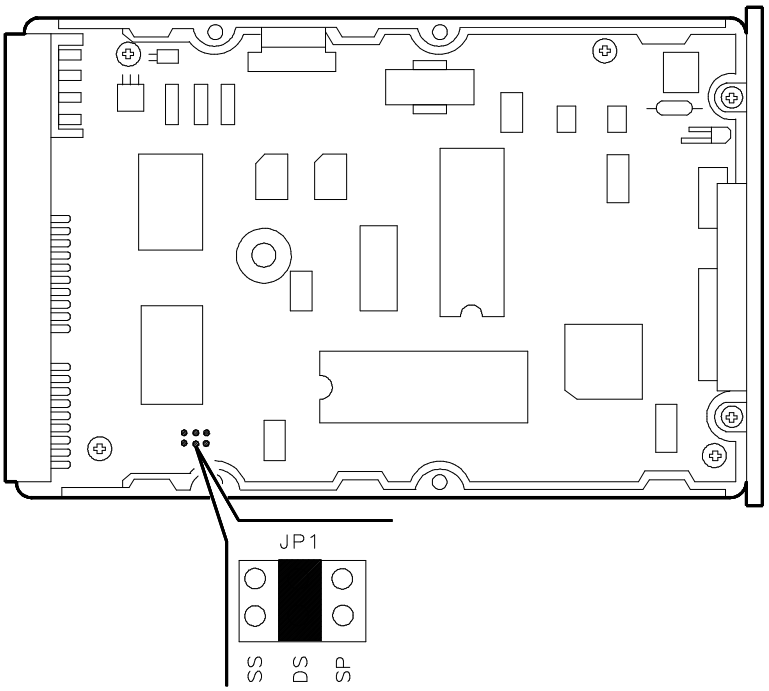
CONNER CP3206 New version



JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
C/D DSP	ON ON	ON ON	OFF OFF

ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
3497 RPM	1366	683	4	8	16		38	RLL 2.7

210 MB HDU 240 MB HDU	QUANTUM LPS 240 AT (Gemini)	AT

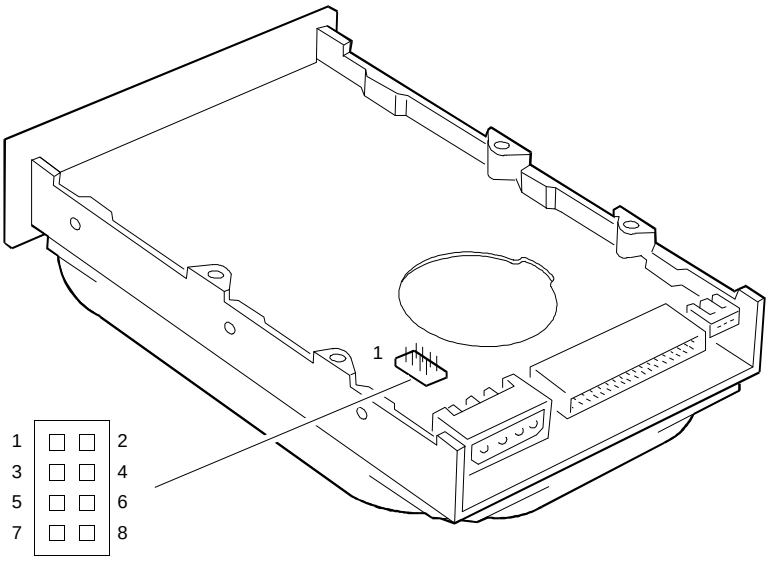


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
210 MB	4306 RPM	1818	635	2	4	16	44	51	RLL 1.7
240 MB	4306 RPM	1818	723	2	4	13	44	51	RLL 1.7

JUMPERS JP1		DESCRIPTION
DS	ON OFF	Drive selected as master Drive selected as slave
SP	OFF	Not used
SS	OFF	Not used

SETUP			
JUMPERS JP1	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
DS SP SS	ON OFF OFF	ON OFF OFF	OFF OFF OFF

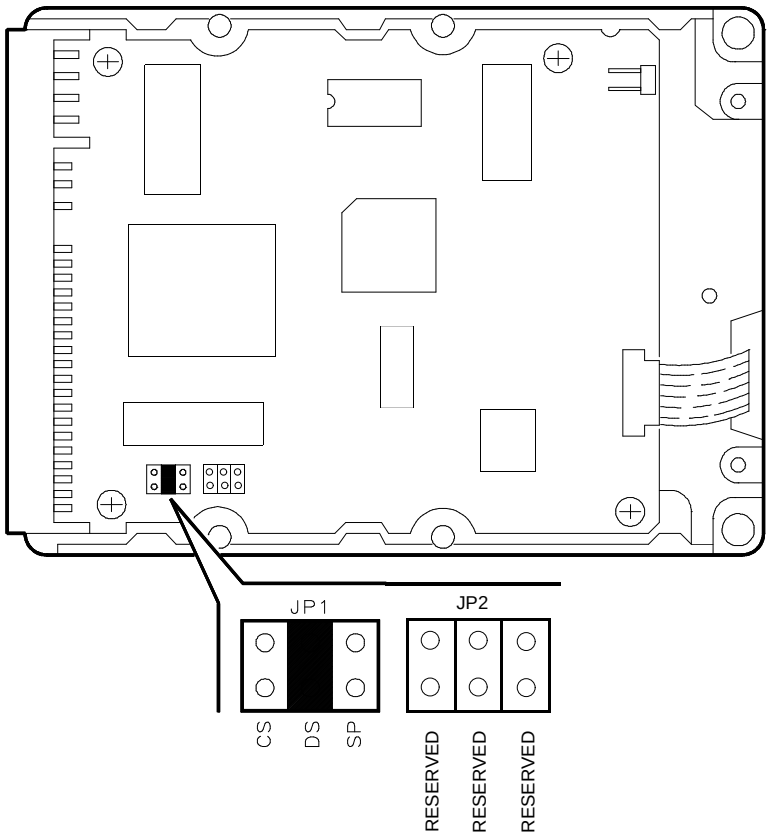
210 MB HDU **270 MB HDU** **340 MB HDU** **420 MB HDU**	**SEAGATE ST3250A (Medalist)** **SEAGATE ST3295A (Medalist)** **SEAGATE ST3391A (Medalist)** **SEAGATE ST3491A (Medalist)**	**AT (local bus)**



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
ST3250A	3811 RPM		1024	1	2	12		34	RLL 1.7
ST3295A	3811 RPM		761	1	2	14		50	RLL 1.7
ST3391A	3811 RPM		768	2	4	14		62	RLL 1.7
ST3491A	3811 RPM		899	2	4	15		62	RLL 1.7

JUMPERS				DESCRIPTION
1-2	3-4	5-6	7-8	
OFF	OFF	OFF	OFF	Master drive with or without a Slave present, ATA-compatible *
OFF	OFF	ON	OFF	Master drive with a Slave present, not ATA-compatible
ON	OFF	OFF	OFF	Master drive with a slave present but without the DASP- signal
OFF	OFF	OFF	ON	Slave drive with an ATA-compatible master
OFF	ON	OFF	OFF	Cable select

270 MB HDU	QUANTUM Maverik 270AT	AT (local bus)

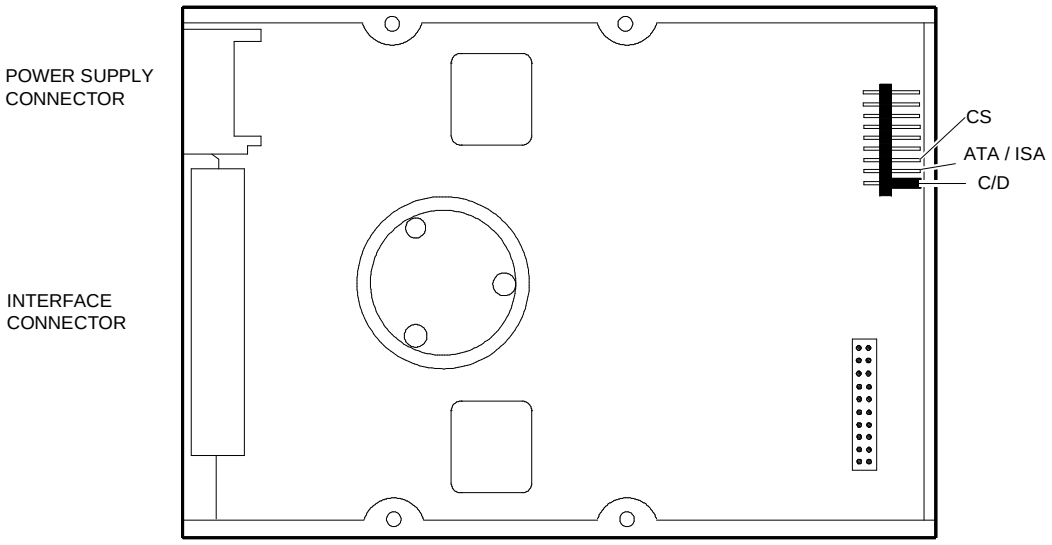


ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
3600 RPM		944	1	2	14	68-118	40	RLL 1.7

JUMPERS			DESCRIPTION
CS	DS	SP	
OFF	OFF	OFF	Slave drive. Compatible with the drives that use the PDIAG- line for Master/Slave communications management
OFF	OFF	ON	Slave drive. Lines PDIAG- and DASP- are not handled
OFF	ON	OFF	Master drive (Default). DASP- is used to check for the presence of a slave
OFF	ON	ON	Master drive. Jumper SP is used to check for the presence of a slave, without the checking of PDIAG- or DASP-
ON	OFF	X	Slave or Master drive depending on the status of the Cable Select (pin 28) signal of the IDE-Bus interface connector. If the status of the signal is 0 (low), Master drive If the status of the signal is 1 (high), Slave drive

Notes: *- The three jumpers JP2 (Reserved) must be set to the OFF position (not inserted).*
- Jumpers CS and DS must not be ON (inserted) simultaneously.

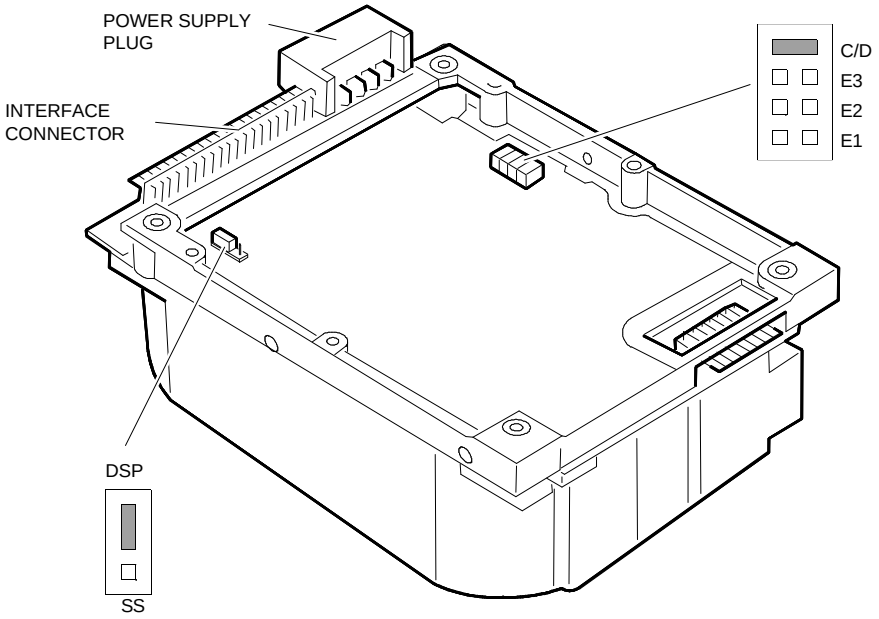
270 MB HDU	**CONNER CFS270A (Cabo)**	**AT (local bus)**
420 MB HDU	**CONNER CFA425A (Steamboat)**	
420 MB HDU	**CONNER CFS425A (Cabo)**	
635 MB HDU	**CONNER CFS635A (Cabo)**	
850 MB HDU	**CONNER CFA850A (Steamboat)**	
850 MB HDU	**CONNER CFS850A (Cabo)**	
1.2 GB HDU	**CONNER CFA1275A (Steamboat)**	
1.2 GB HDU	**CONNER CFS1275A (Cabo)**	



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CFS270A	3600 RPM		524	1	2	16		63	RLL 1.7
CFS425A	3600 RPM		826	1	2	16		63	RLL 1.7
CFS635A	3600 RPM		1651	2	3	16		63	RLL 1.7
CFS850A	3600 RPM		1651	2	4	16		63	RLL 1.7
CFS1275A	3600 RPM		2477	3	6	16		63	RLL 1.7
CFA425A	4500 RPM		826	1	2	16		63	RLL 1.7
CFA850A	4500 RPM		1652	2	4	16		63	RLL 1.7
CFA1275A	4500 RPM		2479	3	6	16		63	RLL 1.7

JUMPERS	POSITION	DESCRIPTION
C/D	OFF ON	Drive selected as slave Drive selected as master
ATA / ISA	OFF ON	ISA operating protocol ATA / CAM operating protocol (do not use)
CS	OFF ON	Cable select option disabled Cable select option enabled

340 MB HDU **340 MB HDU** **510 MB HDU** **510 MB HDU**	**CONNER CP3304 (Summit 1)** **CONNER CP3364 (Summit 2)** **CONNER CP3504 (Summit 1)** **CONNER CP3544 (Summit 2)**	**AT**

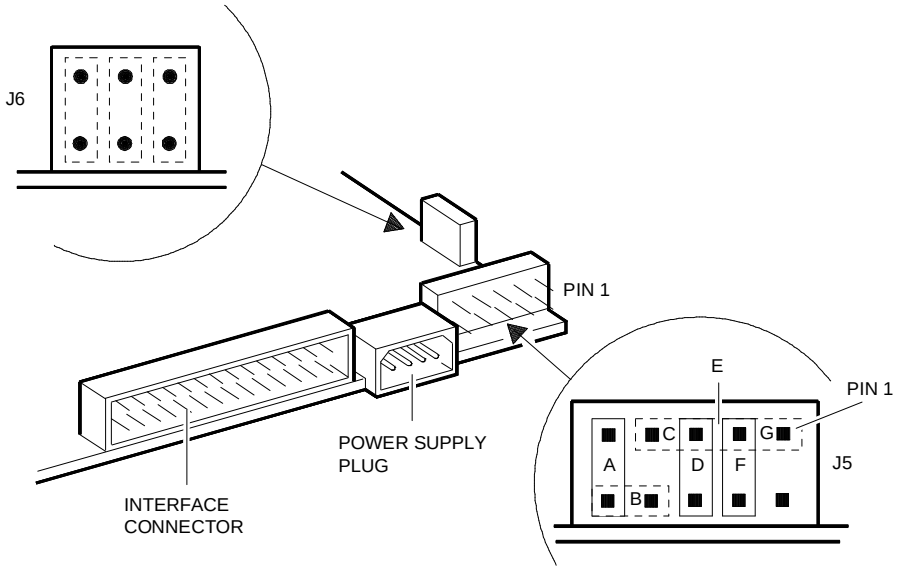


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CP3304	3828 RPM	1695	726	4	8	15	49	61	RLL 2.7
CP3364	4498 RPM		726	4	8	15	49	61	RLL 2.7
CP3504	3828 RPM	1695	989	6	12	16	49	63	RLL 2.7
CP3544	4498 RPM		1053	6	12	16	49	63	RLL 2.7

JUMPERS	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
C/D	ON	ON	OFF
DSP	ON	ON	ON

Note: *Jumpers E1, E2 and E3 are not used.*

340 MB HDU	SEAGATE ST1401A	AT

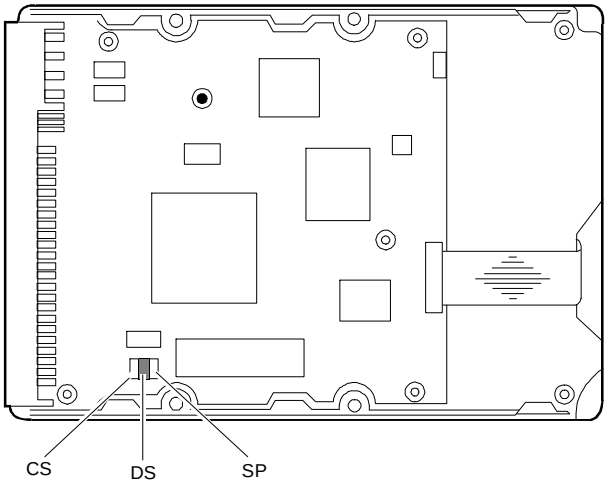


ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
4412 RPM	1132	726	5	9	15	zoned	61	RLL 1.7

JUMPERS J5	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
A	ON	ON	OFF
B	OFF	OFF	OFF
C	OFF	OFF	OFF
D	ON	ON	ON
E	OFF	OFF	OFF
F	OFF	OFF	OFF
G	OFF	OFF	OFF

Note: *Jumper block J6 is not used.*

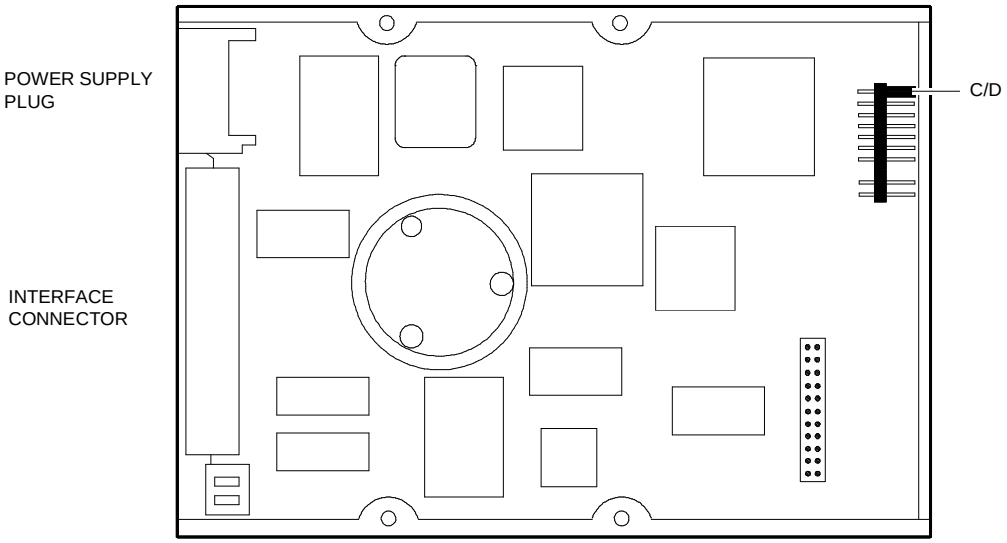
420 MB HDU **635 MB HDU** **640 MB HDU** **850 MB HDU** **1.2 GB HDU**	**QUANTUM TR420AT (Trailblazer)** **QUANTUM TR635AT (Trailblazer)** **QUANTUM FR640AT (Fireball 2)** **QUANTUM TR850AT (Trailblazer)** **QUANTUM FR1280AT (Fireball 2)**	**AT (local bus)**



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
TR420AT	4500 RPM		1010	1	2	16	76-141	51	RLL 1.7
TR635AT	4500 RPM		1234	2	3	16	76-141	63	RLL 1.7
FR640A	5400 RPM		1244	1	2	16		63	RLL 1.7
TR850A	4500 RPM		1647	2	4	16	76-141	63	RLL 1.7
FR1280A	5400 RPM		2484	2	4	16		63	RLL 1.7

JUMPERS			DESCRIPTION
CS	DS	SP	
OFF	OFF	OFF	Slave Drive Compatible with the drives that use the PDIAG- line for Master/Slave communications management
OFF	OFF	ON	Slave Drive Lines PDIAG- and DASP- are not managed
OFF	ON	OFF	Master Drive (Default) DASP- is used to check for the presence of a slave
OFF	ON	ON	Master Drive Jumper SP is used to check for the presence of a slave, without the checking of PDIAG- and DASP-
ON	X	X	Slave or Master Drive depending on the status of the Cable Select (pin 28) signal of the IDE-Bus interface connector If the status of the signal is 0 (low), Master Drive If the status of the signal is 1 (high), Slave Drive

540 MB HDU	CONNER CP30544	AT

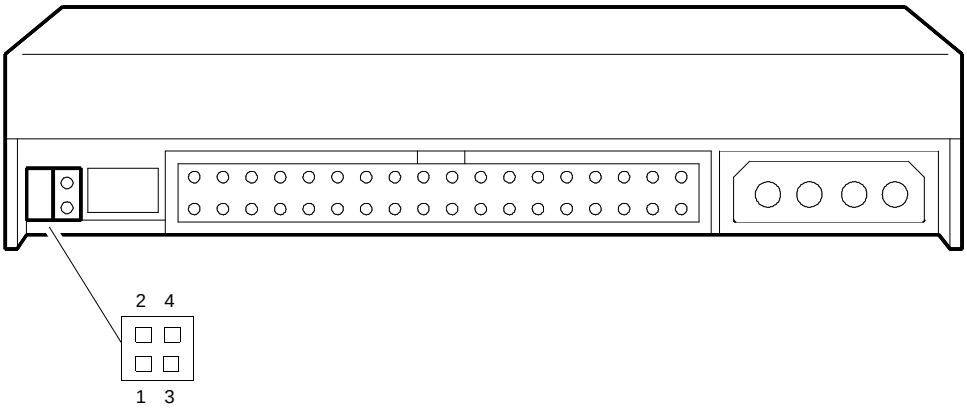


ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
5400 RPM		1057	3	6	16		63	RLL 1.7

JUMPER	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
C/D	ON	ON	OFF

Note: *The other jumpers are not used.*

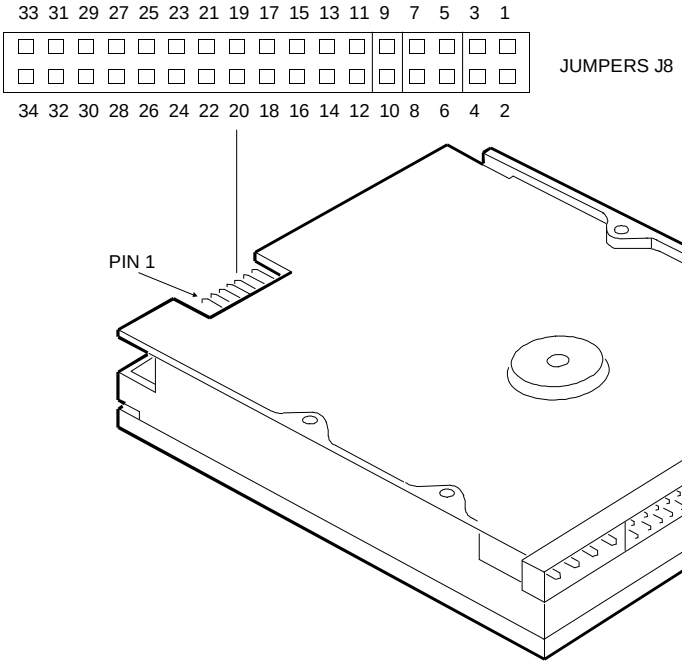
540 MB HDU	SEAGATE ST3655A	AT



ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
4500 RPM		1024	3	5	16		63	RLL 1.7

JUMPER	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
1-2 3-4	OFF OFF	OFF OFF	ON OFF

540 MB HDU	SEAGATE ST5660A	AT (local bus)

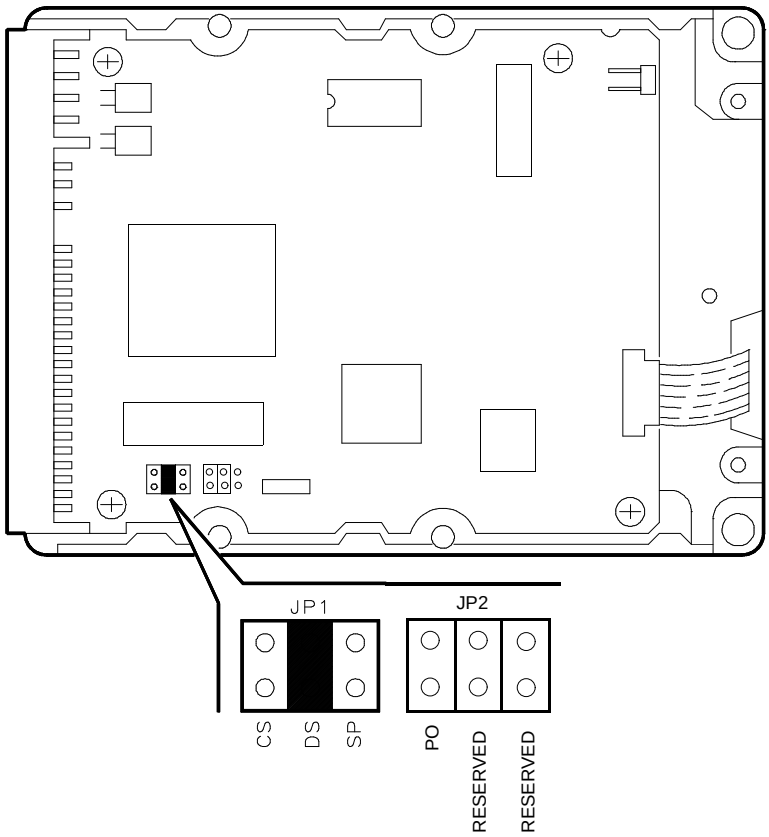


ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
4500 RPM		1057	2	4	16		63	RLL 1.7

JUMPER	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
1-2 3-4	OFF OFF	OFF OFF	ON OFF

Note: *The other jumpers are not used.*

540 MB HDU	QUANTUM Lightning 540AT	AT (local bus)

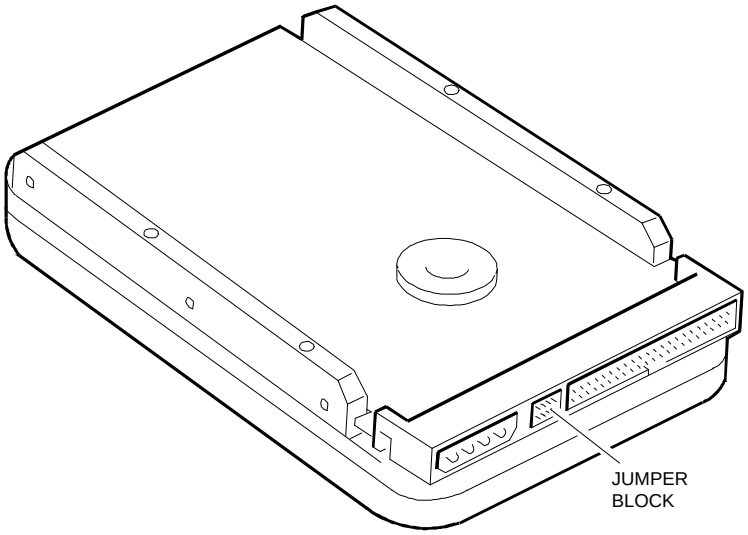


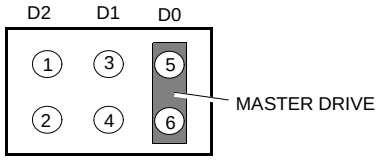
ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
4500 RPM		1120	2	3	16	64-128	59	RLL 1.7

JUMPERS			DESCRIPTION
CS	DS	SP	
OFF	OFF	OFF	Slave Drive. compatible with the drives that use the PDIAG- line for Master/Slave communications management
OFF	ON	OFF	Master Drive (Default). DASP- is used to check for the presence of a slave
OFF	ON	ON	Master Drive. Jumper SP is used to check for the presence of a slave, without the checking of PDIAG-
ON	OFF	X	Slave or Master Drive depending on the status of the Cable Select (pin 28) signal of the IDE-Bus interface connector. If the status of the signal is 0 (low), Master Drive If the status of the signal is 1 (high), Slave Drive

Notes: *- Jumper PO (Product Option) and the two Reserved jumpers must be set to the OFF position (not inserted).*
- Jumpers CS and DS must not be in the ON position (inserited) simultaneously.

635 MB HDU **1.05 GB HDU** **1.2 GB HDU** **1.2 GB HDU** **1.7 GB HDU**	**CONNER CFS636A (Cabo - La Paz)** **SEAGATE ST31082A (Medalist)** **CONNER CFS1276A (Cabo - La Paz)** **SEAGATE ST31276A (Medalist)** **SEAGATE ST31720A**	**AT (local bus)**



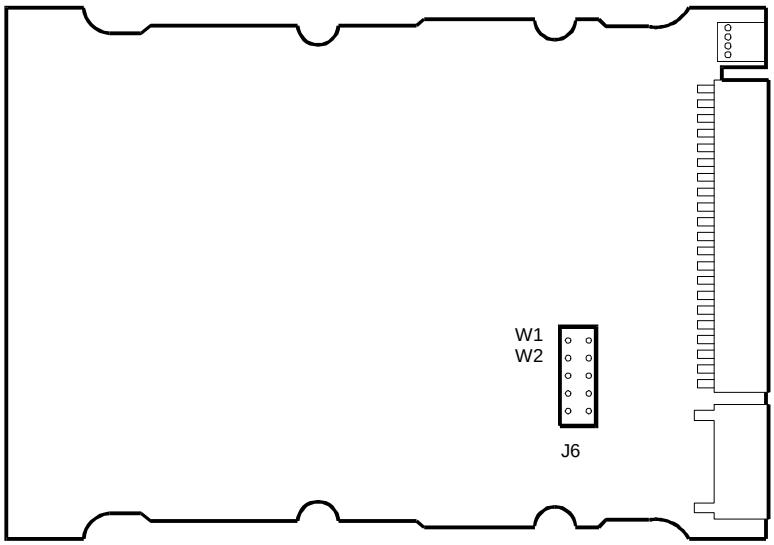


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CFS636A	5400 RPM			1	2	16	85-166	63	RLL 1.7
ST31082A	4500 RPM			2	4	16	85-166	63	RLL 1.7
CFS1276A	5400 RPM		2482	2	4	16	85-166	63	RLL 1.7
ST31276A	4500 RPM		2482	2	4	16	85-166	63	RLL 1.7
ST31720A	4500 RPM		3305	2	4	16		63	RLL 1.7

JUMPERS	POSITION	DESCRIPTION
D1 (3-4) D0 (5-6)	OFF OFF	Drive selected as slave
D1 (3-4) D0 (5-6)	OFF ON	Drive selected as master
D1 (3-4) D0 (5-6)	ON OFF	Cable select option enabled
D1 (3-4) D0 (5-6)	ON ON	Master drive with slave present

Note: *Jumper D2 is not used.*

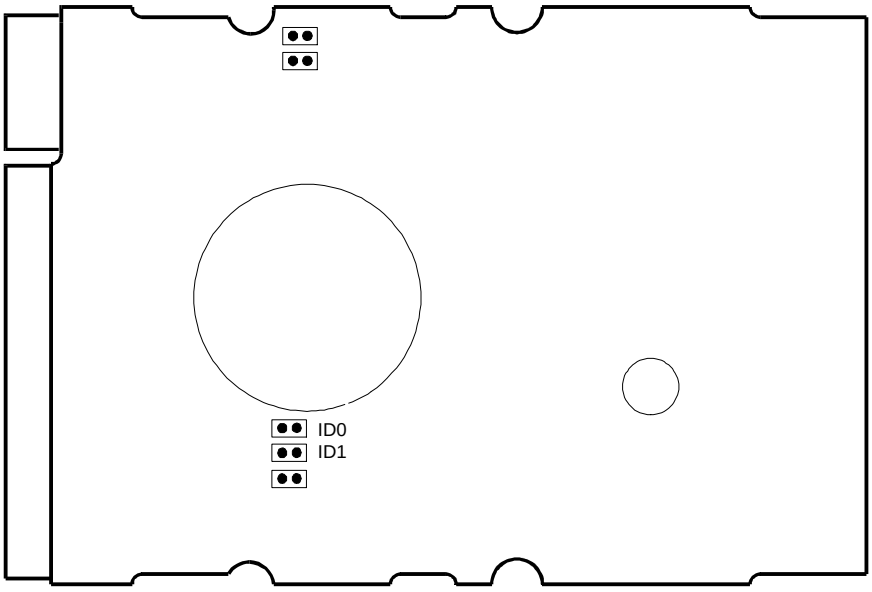
1.05 GB HDU	MICROPOLIS 2112A	AT



ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
5400 RPM	1761	2048	8		16		63	RLL 1.7

JUMPER J6	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
W1 W2	OFF OFF	OFF OFF	ON OFF

1.05 GB HDU	MICROPOLIS 4110A	AT (local bus)

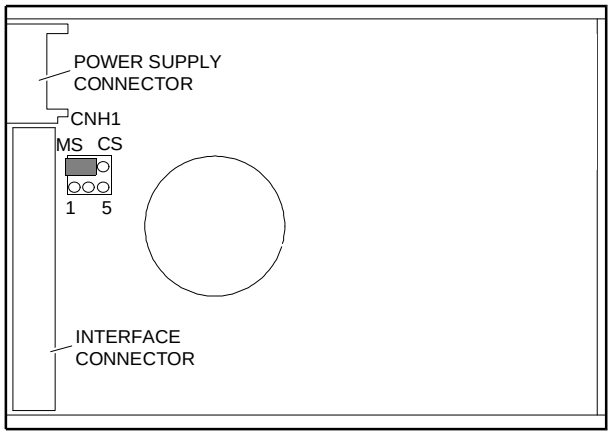


ROTAT.	CYLINDERS		DISKS	HEADS		SECT. per TRACK		RECORD.
	Phys.	Bios		Phys.	Bios	Phys.	Bios	
5400 RPM	2428	2048	5		16		63	RLL 1.7

JUMPER	ONLY ONE HDU INSTALLED	TWO HDUs INSTALLED	
		MASTER	SLAVE
ID1 ID0	OFF OFF	OFF OFF	OFF ON

Note: *The other jumpers are not used.*

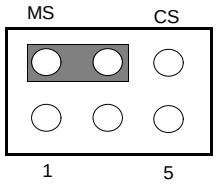
1.05 GB HDU	FUJITSU M1614TA	AT (local bus)



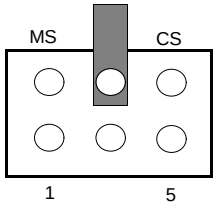
MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
M1614TA	4500 RPM		2114	2	4	16		63	RLL 2.7

8

JUMPER CONFIGURATION



MASTER DEVICE
(DEFAULT)



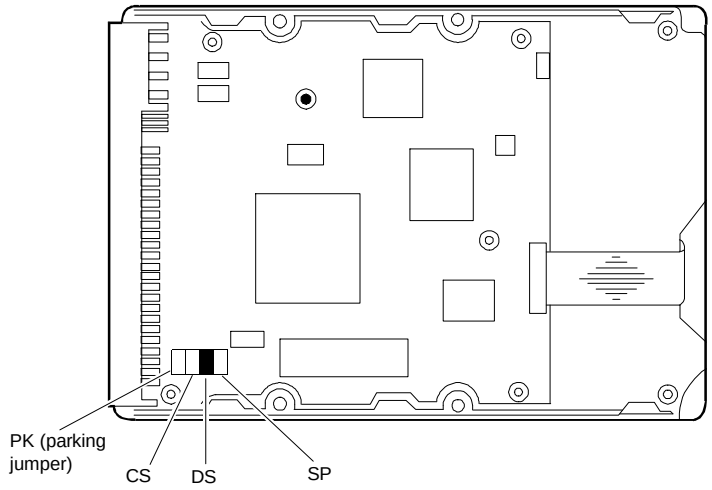
SLAVE DEVICE

Device Type: The drive can be set as Master or Slave.

Note: *When setting Device Type using the jumper on the drive, the device must not be configured for cable selection).*

Cable Select: This configuration is not used.

1.05 GB HDU	**QUANTUM TM1080AT (Tempest)**	**AT (local bus)**
1.2 GB HDU	**QUANTUM TM1280AT (Tempest)**	
1.7 GB HDU	**QUANTUM TM1700AT (Tempest)**	
2.1 GB HDU	**QUANTUM TM2110AT (Tempest)**	
2.5 GB HDU	**QUANTUM TM2550AT (Tempest)**	
3.2 GB HDU	**QUANTUM TM3240AT (Tempest)**	

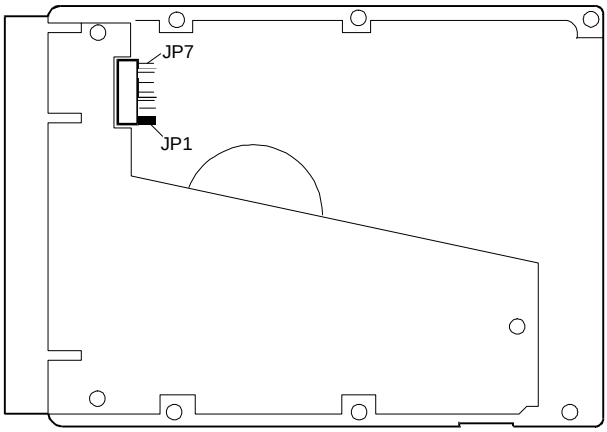


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
TM1080AT	4500 RPM			1	2	16		63	RLL 1.7
TM1280AT	4500 RPM		2484	1	2	16		63	RLL 1.7
TM1700AT	4500 RPM					16		63	RLL 1.7
TM2110AT	4500 RPM		4092	2	4	16		63	RLL 1.7
TM2550AT	4500 RPM		4969	2	4	16		63	RLL 1.7
TM3240AT	4500 RPM		6232	3	5	16		63	RLL 1.7

JUMPERS				DESCRIPTION
PK	CS	DS	SP	
X	OFF	OFF	OFF	Slave Drive Compatible with the drives that use the PDIAG- line for Master/Slave communications management
X	OFF	OFF	ON	Slave Drive The PDIAG- and DASP- lines are not managed
X	OFF	ON	OFF	Master Drive (Default) DASP- is used to check for the presence of a slave
X	OFF	ON	ON	Master Drive Jumper SP is used to check for the presence of a slave, without the checking of PDIAG- and DASP-
X	ON	X	X	Slave or Master Drive depending on the status of the Cable Select signal (pin 28) of the IDE-Bus interface connector If the status of the signal is 0 (low), Master Drive If the status of the signal is 1 (high), Slave Drive

Note: *Position PK is used to position the jumper when the drive is configured as Slave.*

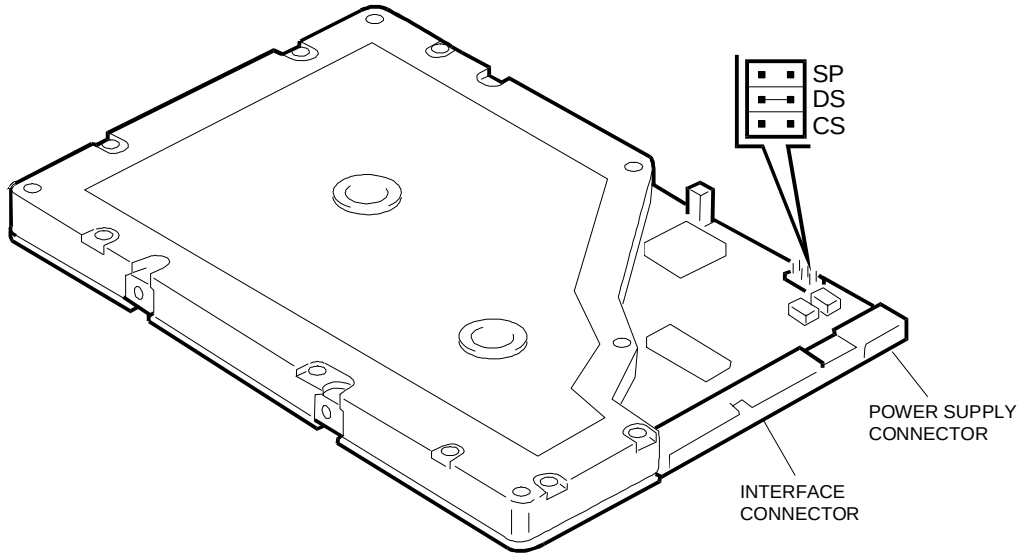
1.05 GB HDU **1.7 GB HDU** **2.1 GB HDU** **3.2 GB HDU**	**IBM DPEA-31080 (Pegasus)** **IBM DJAA-31700 (Jafar)** **IBM DAQA-32160 (Aquarius)** **IBM DAQA-33240 (Aquarius)**	**AT (local bus)**



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
31080	5400 RPM		2100	2	4	16		63	RLL 1.7
31700	4500 RPM		3308	2	4	16		63	RLL 1.7
32160	5400 RPM		4200	2	4	16		63	RLL 1.7
33240	5400 RPM		6296	3	6	16		63	RLL 1.7

JUMPER (PIN)	SETTING	DESCRIPTION
JP1 (1-2)	ON	Device ID: MASTER (default)
JP2 (3-4)	OFF	Device ID: SLAVE
JP3 (5-6)	OFF	Cable Select (PIN 28) for the automatic recognition of the hard disk type (Master or Slave)
JP4 (7-8)	OFF	Reserved
JP5 (9-10)	OFF	Write Cache enabled
JP6 (11-12)	OFF	Reserved
JP7 (13-14)	OFF	Reserved

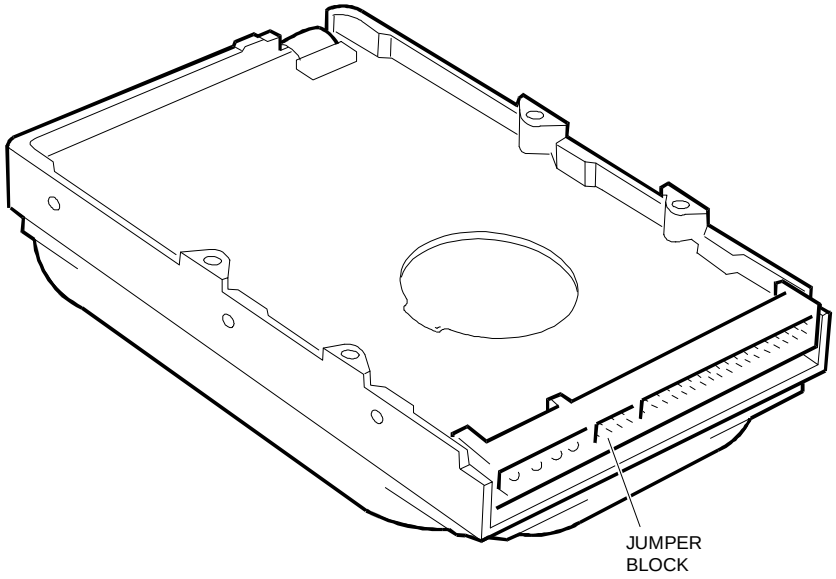
1.2 GB HDU 2.1 GB HDU 2.5 GB HDU	QUANTUM BF1280AT (Bigfoot) QUANTUM BF2110AT (Bigfoot) QUANTUM BF2550AT (Bigfoot)	AT (local bus)



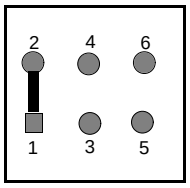
MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
BF1280AT	3600 RPM		2492	1	2	16		63	RLL 1.7
BF2110AT	3600 RPM			2	4	16		63	RLL 1.7
BF2550AT	3600 RPM		4994	2	4	16		63	RLL 1.7

JUMPERS			DESCRIPTION
CS	DS	SP	
OFF	OFF	OFF	Slave Drive Compatible with the drives that use the PDIAG- line for Master/Slave communications management
OFF	OFF	ON	Slave Drive The PDIAG- and DASP- lines are not handled
OFF	ON	OFF	Master Drive (Default) DASP- is used to check for the presence of a slave
OFF	ON	ON	Master Drive Jumper SP is used to check for the presence of a slave, without the checking of PDIAG- and DASP-
ON	X	X	Slave or Master Drive depending on the status of the Cable Select signal (pin 28) of the IDE-Bus interface connector The status of the signal is 0 (low), Master Drive The status of the signal is 1 (high), Slave Drive

1.2 GB HDU 1.7 GB HDU 2.1 GB HDU 2.5 GB HDU	FUJITSU M1636TAU FUJITSU M1623TAU FUJITSU M1624TAU FUJITSU M1638TAU	AT (local bus)



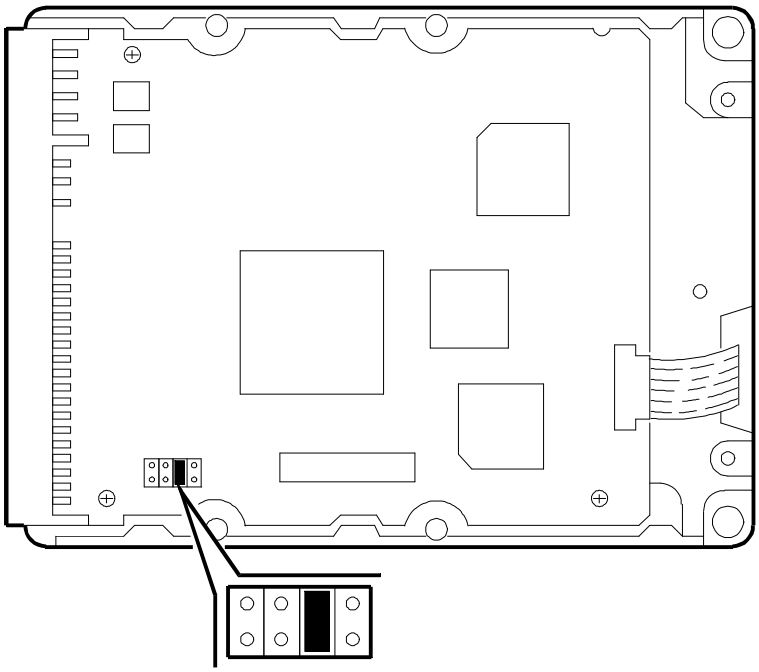
JUMPER BLOCK



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
M1636	5400 RPM		2491	1	2	16		63	RLL 1.7
M1623	5400 RPM		3298	2	3	16		63	RLL 1.7
M1624	5400 RPM		4092	2	4	16		63	RLL 1.7
M1638	5400 RPM		4983	2	4	16		63	RLL 1.7

JUMPERS	DESCRIPTION
PINs 1-2 ON	The system has only one HDU installed (Master)
PINs 3-4 ON	Second HDU installed (Slave)
PINs 2-4 ON	Cable Select for automatic HDU recognition (Master or Slave)

1.7 GB HDU 2.5 GB HDU	QUANTUM SR1700AT (Sirocco) QUANTUM SR2550AT (Sirocco)	AT (local bus)



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
SR1700AT	4500 RPM		3319	2	4	16		63	RLL 2.7
SR2550AT	4500 RPM		4994	3	6	16		63	RLL 2.7

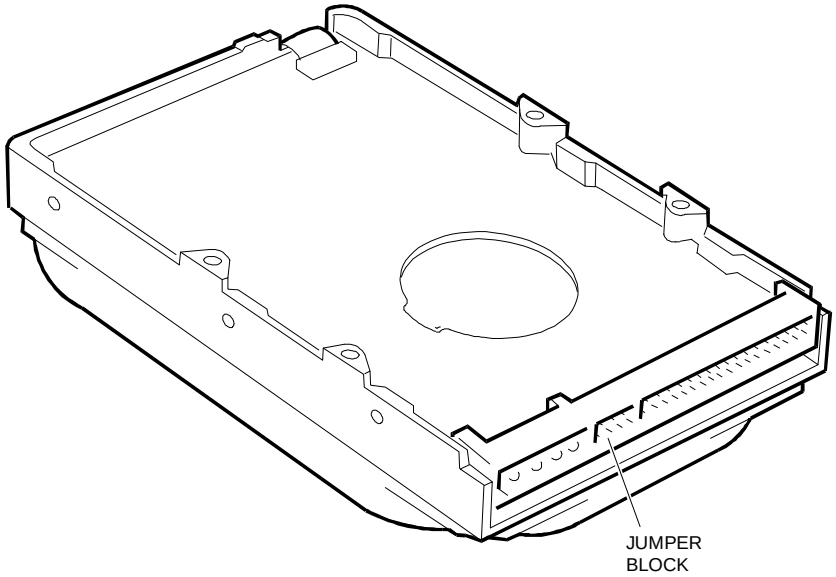
JUMPERS

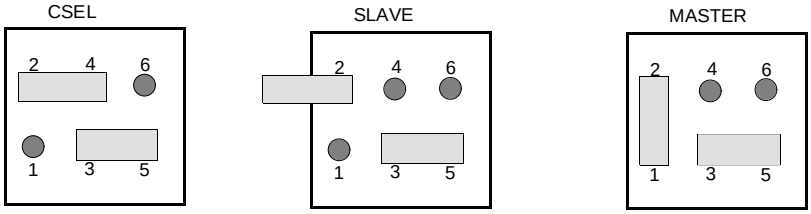
The following table defines the functions of the jumpers and those related to pin 28 of the interface connector.

JUMPERS					DESCRIPTION
PK (Parking Position)	CS (Cable Select)	DS (Drive Select)	SP (Slave Present)	PIN 28	
X	OFF	OFF	OFF	X	Drive configured as Slave
X	OFF	ON	OFF	X	Drive configured as Master
X	ON	OFF	ON	OPEN	Drive configured as Slave (Cable select)
X	ON	OFF	OFF	GND	Drive configured as Master (Cable select)

Note: *Position PK is used to position the jumper when the drive is configured as Slave.*

1.7 GB HDU 2.5 GB HDU 3.5 GB HDU	FUJITSU MPA3017AT FUJITSU MPA3026AT FUJITSU MPA3035AT	AT (local bus)

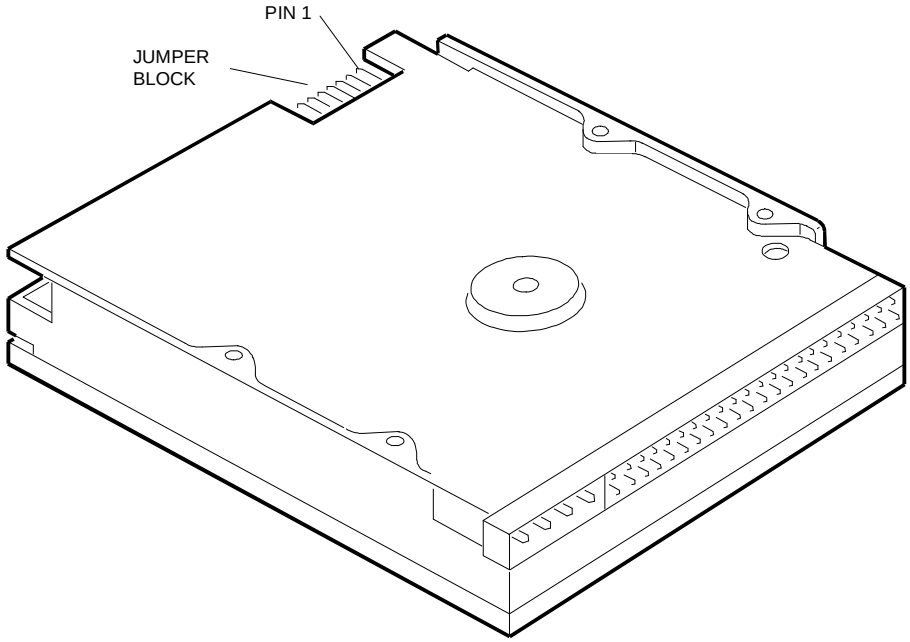


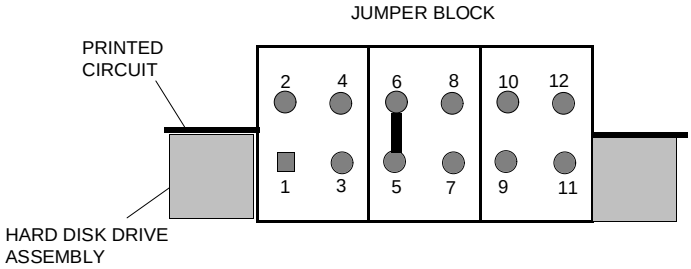


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
3017AT	5400 RPM		3390	1	2	16		63	RLL 1.7
3026AT	5400 RPM		5086	2	3	16		63	RLL 1.7
3035AT	5400 RPM		6780	2	4	16		63	RLL 1.7

JUMPERS		DESCRIPTION
PINs 1-2 PINs 3-5	ON ON	Selects the drive as Master (Default)
PINs 2 PINs 3-5	ON ON	Selects the drive as Slave
PIN 2-4 PIN 3-5	ON ON	Enables CSEL (Cable Select) for automatic HDU recognition (Master or Slave)

2.1 GB HDU	SEAGATE ST32140A (Medalist)	AT (local bus)

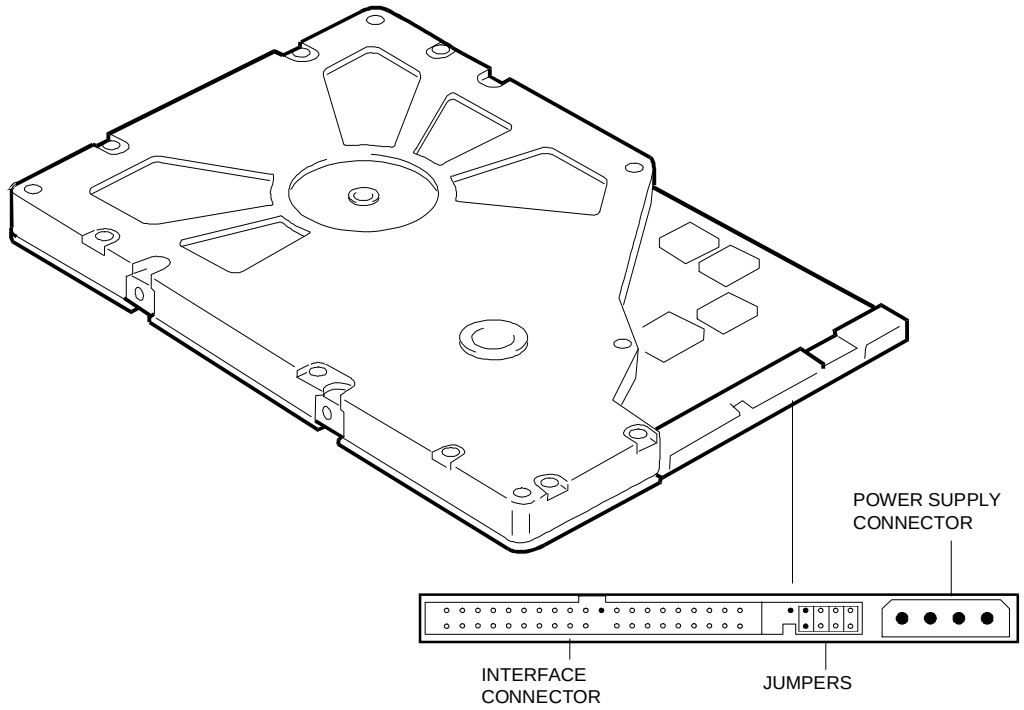




MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
ST32140A	5400 RPM		4095	4	8	16		63	RLL 2.7

JUMPER SETTINGS						DESCRIPTION
PINs 1-2	PINs 3-4	PINs 5-6	PINs 7-8	PINs 9-10	PINs 11-12	
OFF	OFF	OFF	OFF	OFF	OFF	There is only one HDU in the system
ON	OFF	OFF	OFF	OFF	OFF	Slave drive
OFF	ON	OFF	OFF	OFF	OFF	Master drive with slave present
OFF	OFF	ON	OFF	OFF	OFF	Master/Slave (Default) ATA timing compatibility
OFF	OFF	OFF	OFF	ON	OFF	Cable Select
OFF	OFF	OFF	OFF	OFF	ON	Remote LED connection

2.1 GB HDU 4.3 GB HDU	QUANTUM CY2100AT (Bigfoot) QUANTUM CY4300AT (Bigfoot)	AT (local bus)



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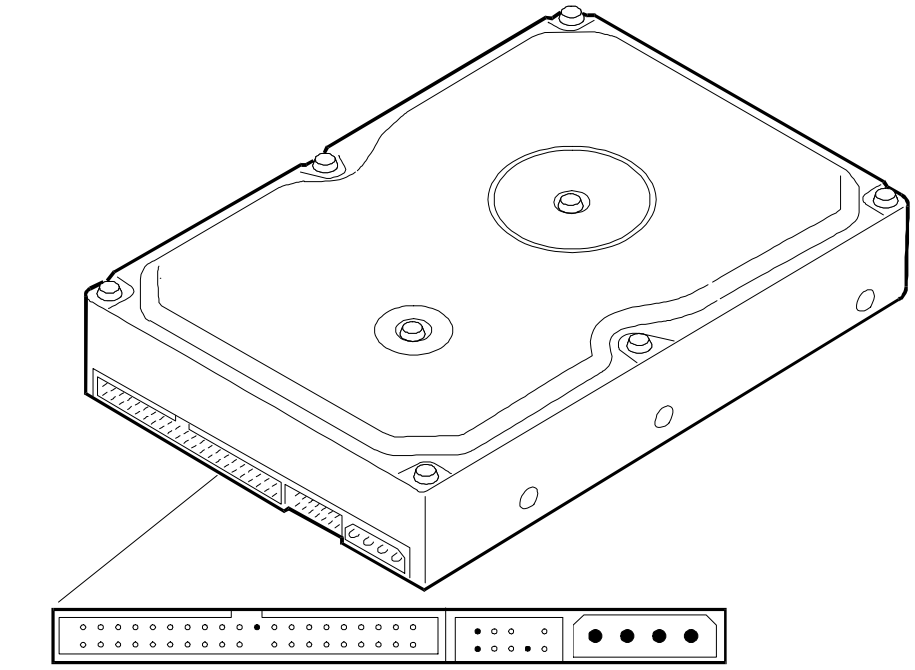
MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
CY2100AT	3600 RPM		4092	1	2	16		63	RLL 1.7
CY4300AT	3600 RPM		8960	2	4	15		63	RLL 1.7

JUMPERS

The following table defines the functions of the jumpers and those related to pin 28 of the interface connector.

JUMPERS				DESCRIPTION
DS (Drive Select)	CS/SP (Cable Select / Slave Present)	PARK (Parking Position)	PIN 28	
ON	ON	X	X	Drive configured as Slave
OFF	ON	X	X	Drive configured as Master
ON	OFF	X	X	Drive configured as Master with Slave present
X	OFF	X	OPEN	Drive configured as Slave
X	OFF	X	GND	Drive configured as Master
ON	OFF	ON	X	Cable Select enabled
ON	ON	OFF	X	Park jumper not used

2.1 GB HDU	MAXTOR 82187A (CristalMax)	AT (local bus)

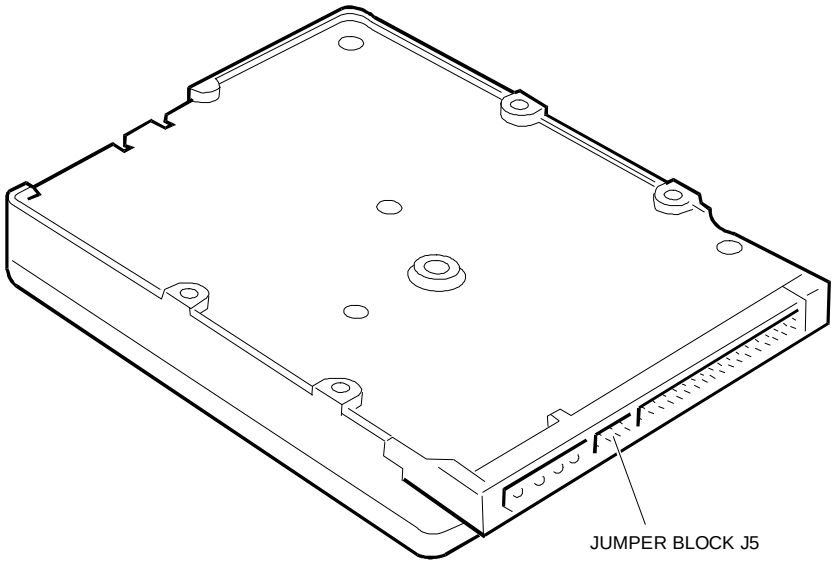


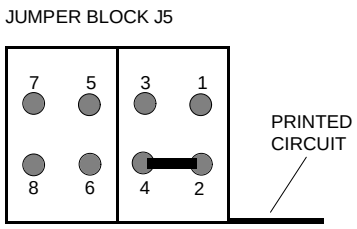
MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
82187A	4480 RPM		4248	3	5	16		63	RLL 1.7

JUMPERS					DESCRIPTION
J50	J48	J46	J44	J42	
ON ON OFF	X	X	X	X	**MASTER/SLAVE:** Single drive Master in a system with two drives Slave in a system with two drives
X	OFF ON	X	X	X	**CABLE SELECT:** Disabled Enabled
X	X	OFF ON	X	X	**WRITE CACHE:** Enabled Disabled

Note: *Jumpers J44 (factory setting) and J42 (4092 Cylinder Option) must not be used.*

2.5 GB HDU	SEAGATE ST52520A (Medalist)	AT (local bus)



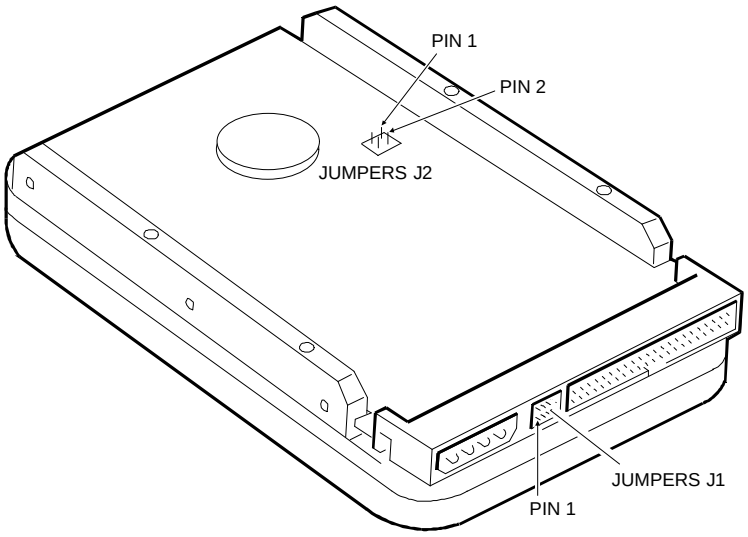


MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
ST52520A	5397 RPM		4970	2	4	16		63	RLL 1.7

JUMPER SETTINGS				DESCRIPTION
PINs 1-2	PINs 3-4	PINs 5-6	PINs 7-8	
OFF	OFF	OFF	OFF	Only one HDU is present in the system
OFF	OFF	OFF	ON	Slave drive
OFF	OFF	ON	OFF	Master drive with slave present
OFF	ON	OFF	OFF	Alternative Capacity
OFF	OFF	ON	ON	Cable Select
ON	OFF	OFF	OFF	Remote LED connection

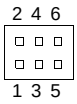
Note: *There is an additional jumper inserted between pins 2 and 4; in this position the jumper has no effect on the operation of the drive.*

2.5 GB HDU 3.2 GB HDU	SEAGATE ST32531A (Medalist) SEAGATE ST33240A (Medalist)	AT (local bus)



MODEL	ROTAT.	CYLINDERS		DISKS	HEADS		SECT. PER TRACK		RECORD.
		Phys.	Bios		Phys.	Bios	Phys.	Bios	
ST32531A	4500 RPM		4956	3	6	16		63	RLL 1.7
ST33240A	4500 RPM		6253	4	8	16		63	RLL 1.7

JUMPERS J1



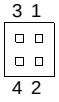
Slave drive

Master drive in a system with one or two drives *

Master drive with a non ATA-compatible slave

Cable Select enable

JUMPERS J2



Maximum drive capacity *

Drive capacity reduced to 2.1 GB (4092 cylinders) for systems that are unable to address the drive with more than 4092 cylinders (not used)

■