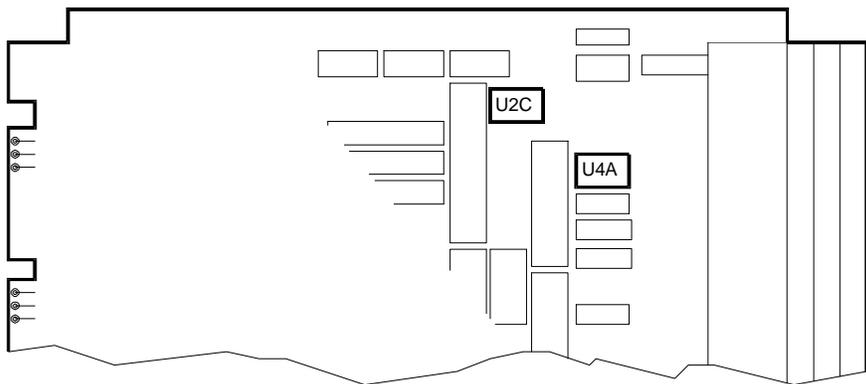
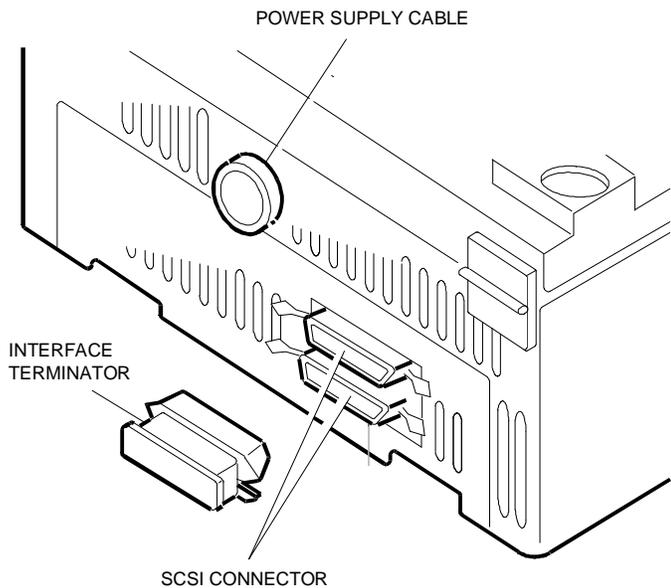


MAGNETIC TAPE DRIVES

MTUs use standard tapes and comply with the ANSI X3.40 specifications. The read/write compatibility between drives depends on the recording density and by the thickness and length of the tape itself. The table below lists the tapes that can be used with the different MTUs, and indicates their recording density.

MODEL	TAPE THICKNESS	TAPE LENGTH	CAPACITY	RECORDING DENSITY
CIPHER C880/ES	0.038 mm	729.6 m (2400 feet)	40 MB	PE 1600 BPI
KENNEDY 9662 HEW. PAC. HP88780B	0.038 mm	729.6 m (2400 feet)	145 MB	PE 1600 BPI
	0.0226 mm	1094.4 m (3600 feet)	217 MB	GCR 6250 BPI

40 MB (1600 BPI) MTU	CIPHER C880/ES	SCSI
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DIP-SWITCH U2C			SCSI ID SELECTION
8	7	6	
OFF	OFF	OFF	0
OFF	OFF	ON	1
OFF	ON	OFF	2
OFF	ON	ON	3
ON	OFF	OFF	4
ON	OFF	ON	5
ON	ON	OFF	6
ON	ON	ON	7

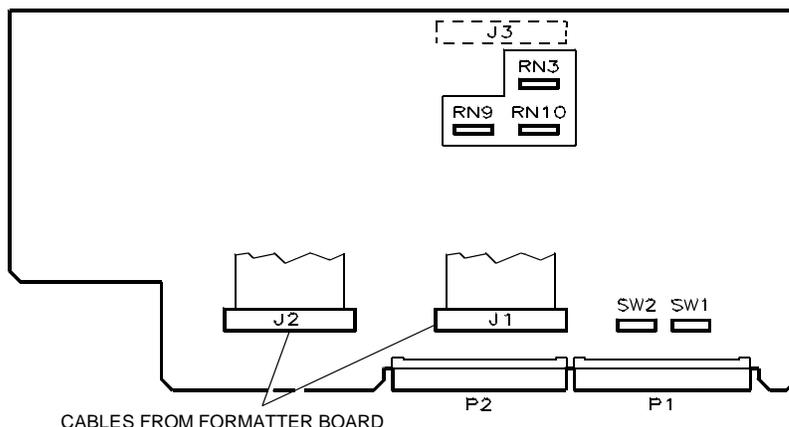
DIP-SWITCH U4A	DESCRIPTION	SETTING
1	Enable arbitration Disable arbitration	ON * OFF
2	Enable SCSI bus parity check Disable SCSI bus parity check	ON * OFF
3 - 4	Reserved	ON - ON *
5 - 6	Operating normally Looped power-up routine Looped RAM data dump Permission for execution of commands after power-up routine	ON - ON * ON - OFF OFF - ON OFF - OFF
7	Reserved	ON *
8	Not Ready response to Test Unit Ready Good response to Test Unit Ready	ON * OFF

TERMINATORS

The interface terminator (connector with end resistance, included with kit), connects to the free SCSI, on the back of the drive.

Whether the terminator is present or not depends on the configuration of the system's SCSI channel. Usually the interface terminator must be present on the MTU, if it is the last peripheral in the SCSI bus chain, and therefore removed from all the others. If the MTU is the only peripheral connected to the SCSI bus, the terminator must be present.

145/217 MB MTU (1600/6250 BPI)	KENNEDY 9662	SCSI
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DIP-SWITCH		DESCRIPTION	SETTING
SW1	1	RS232 monitor disabled	OFF
	2	Error recovery enabled	OFF
	3	Parity check on each byte enabled	ON
	4	Buffered read command enabled	OFF
	5	WAIT command enabled	ON
	6		-
	7	SCSI ID selection jumpers (see the following table)	-
	8		-
SW2	1	Reset command addressed to the controllers	OFF
	2	Error recovery report disabled	OFF
	3	Not used	ON
	4	Retry on written blocks enabled	OFF
	5	Physical end of data defined	OFF
	6	"Device type qualifier" defined to obtain the "02" requested by the system controller firmware upon receiving an Inquiry	OFF
	7		ON
	8		OFF

DIP-SWITCH SW1			SCSI ID SELECTION
8	7	6	
OFF	OFF	OFF	0
OFF	OFF	ON	1
OFF	ON	OFF	2
OFF	ON	ON	3
ON	OFF	OFF	4
ON	OFF	ON	5
ON	ON	OFF	6
ON	ON	ON	7

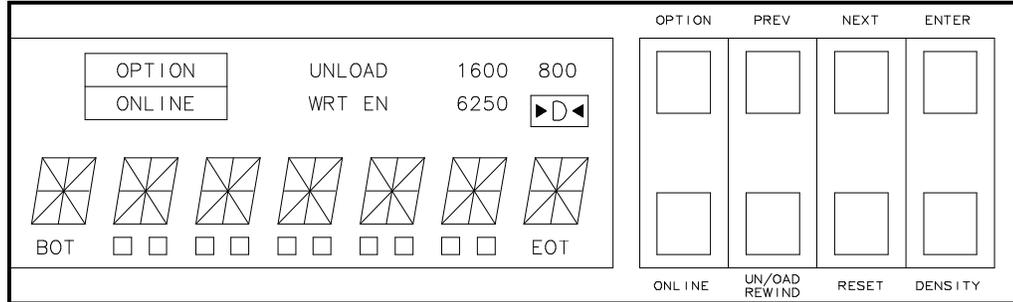
TERMINATORS RN3, RN9 AND RN10

Whether the terminators are present or not depends on the configuration of the system's SCSI channel.

Usually terminators must only be present (internally or externally) if the MTU is the last drive connected to the SCSI bus chain, and therefore removed from all the others. The terminators must be present if only one magnetic tape drive is connected to the SCSI bus.

When reinstalling a terminator, bear in mind that pin 1 is identified by a small square serigraphed on the printed circuit board (around the pin hole of the socket in which the terminator will be installed) and by a dot on the component itself.

145/217 MB MTU (1600/6250 BPI)	HEWLETT PACKARD HP88780B	SCSI
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SCSI ID SELECTION

- Turn the peripheral on by setting the ON/OFF switch in position 1
- Press the button on the front under the console
- Select the peripheral unit in "offline" by pressing the ON LINE key; the Online Status Indicator switches off
- Press OPTION to go into Option Mode; the display reads TEST*
- Press NEXT until the display reads ID*
- Press ENTER
- Press NEXT or PREV to select the ID required
- Press ENTER. The ID you have selected will be displayed as SET <#>, where # is the ID number from 0 to 7 (typical value 4). The value remains on display for a second, then ID* returns.
- Exit from Option Mode by pressing OPTION or RESET.

TERMINATORS

Whether the terminator is present or not depends on the configuration of the system's SCSI channel. Usually the terminator must be present if the MTU is the last peripheral of the SCSI bus chain and therefore removed from all the others. If the MTU is the only peripheral connected on the SCSI bus, the terminator must be present.

If you have to install a terminator, connect the metallic terminator (p/n 5783953M) into the External termination connector on the rear of the peripheral. Be careful to insert right way up.

Configuration of the drive parameters for Olivetti is illustrated in the table below. The values shown cannot be altered.

PARAMETER	NUMBER	TYPE	CONFIGURATION FOR OLIVETTI
Firmware revisions	25	ROM	Revision
Tape write compression rate	30	ROM	Tape compression rate
Enable FP change	40	OFF / ON	OFF
Auto online	41	OFF / ON	ON
Media removal	42	OFF / ON	ON
Operator timeout	43	OFF / 1-99	10
Archival rewind	44	REW / ATC	REW
Operator select archive	45	OFF / ON	OFF
Density	46	1600 ...	6250
FP density control	47	OPEN ...	OPEN
Compression control	47	XC OFF ...	XC OFF
Language	48	0-99	48
Recovered error rpt	49	OFF / ON	1
Immediate response	50	OFF / ON	ON
Tape marks to disable Immediate report.	51	OFF / 1-99	OFF
Write retry count	52	0-40	17
1600 PE, NRZI gap size	53	0-15	6
6250 GCR gap size	54	0-22	4
Stop at EOT	55	OFF / ON	0
Write holdoff timeout (sec.)	56	0-20	20
Write holdoff timeout (sec.)	56	0-99	20
Write startup point	57	1-7	OFF
Write startup point	57	OFF / 1-7	OFF
Write skip start	58	0-3	1
Write control	59	0-31	1
Readaheads	60	OFF / ON	ON
Tape marks to terminate readaheads	61	OFF / 1-99	OFF
Read retry count	62	0-99	9
Trailing buffer	63	0-6	0
Read startup point	64	1-7	2
Max. physical record size	65	1-32	15
Max. files per physical record	66	OFF / 1-99	OFF
Max. bytes per physical record	67	OFF / 1-99	OFF
Expansion protect	70	OFF / ON	ON
XC optimization sample period	73	OFF / 1-4	2
XC optimization threshold	74	OFF / 1-63	32
Block length	81	0-9	0
Bus inactivity limit	82	0-9	1
Disconnect time limit	83	0-9	0
Disconnect length	84	0-9	0
Inquiry field	85	0-127	0
Interface only reset	86	OFF / ON	ON
Read EOM reported	87	OFF / ON	OFF
SCSI II compatible	88	OFF / ON	21
EOT reporting mode	89	0-3	OFF
SCSI parity checking	90	OFF / ON	ON
Vendor unique density	91	OFF / ON	ON
Suppress illegal length	92	OFF / 1-2	OFF

