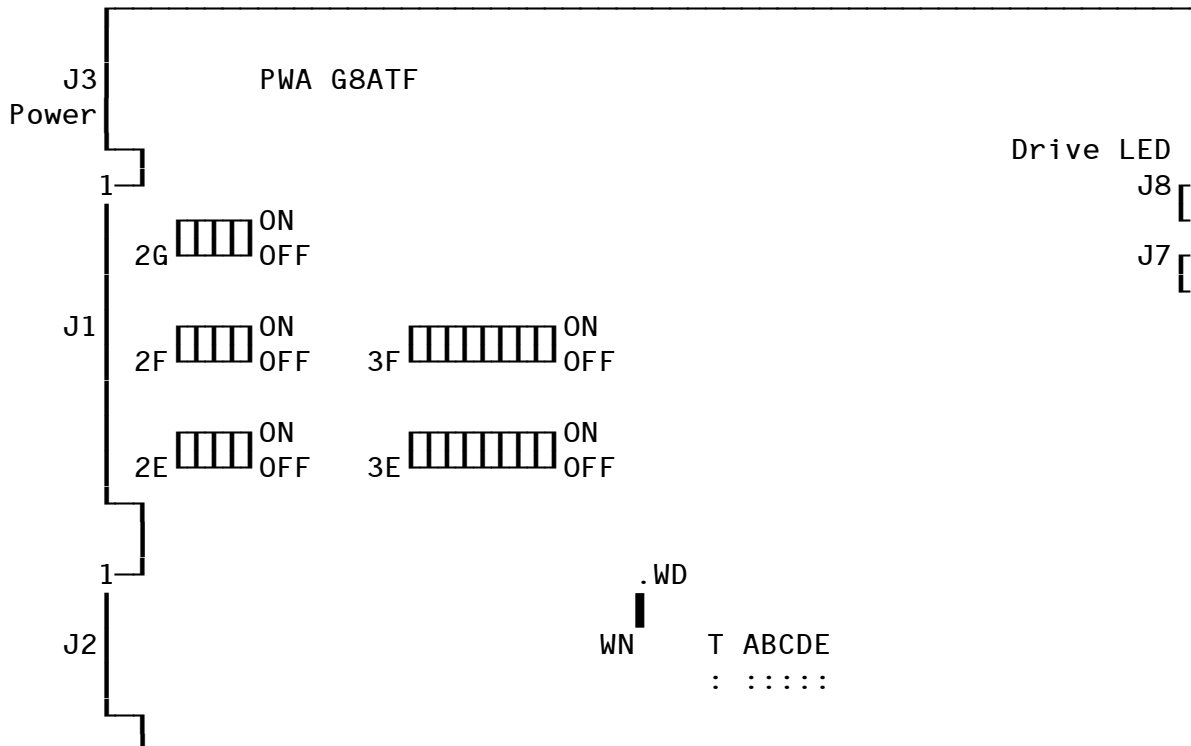


NEC D5655 INSTALLATION GUIDE

Capacity Formatted:	153.5 MB (35 Sectors Per Track)
Unformatted:	179.8 MB
Record Method:	2,7 RLL
Rotational Rate:	3,573 RPM
Start/Stop Time:	Start = 20 sec typical Stop = 20 sec typical
Disk Size:	5.25"
Disks:	4
Servo Heads:	1
Data Heads:	7
Data Surfaces:	7
Tracks/Surface:	1,224
Bytes/Track:	20,992
Track Density:	1,240 tpi
Bit Density:	19,610 bpi
Sectors/Track:	1 to 128
Dimensions:	Height 1.6 in/41 mm Width 5.7 in/146 mm Depth 8.0 in/203 mm Weight 3.7 lbs/1.7 KG
Environmental:	Wet Bulb, Max 29 C max Shock Operating = 2.0 G (10 ms) Non-operating = 40 G (10 ms) Vibration Operating = 0.2 G Non-operating = 0.5 G Temperature Operating = 5 to 45 C Non-operating = -40 to 60 C Humidity Operating = 8% to 80% Non-operating = 8% to 90%
Performance Specifications:	Seek Times Average = 18 ms Track to track = 4 ms Maximum = 40 ms Latency, Avg 8.4 ms Interface ESDI Data Transfer 1.25 MB/sec
Power:	Voltage Required +5V/+12V Power Dissipation Read/write/seek = 20 watts
Reliability:	MTBF 30,000 POH MTTR < 30 minutes
Disk Configuration:	Bytes/Sector selectable

Layout



Connectors

- J1: 34-pin control cable connector
- J2: 20-pin data cable connector
- J3: power connector
- J8: 2-pin drive LED connector

Jumper Setting

Jumper WN/WD (3PIN)
WN closed

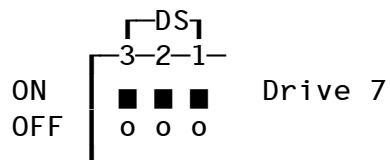
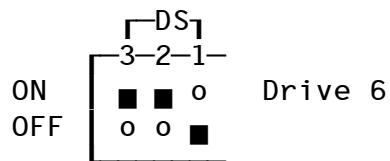
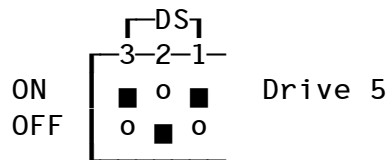
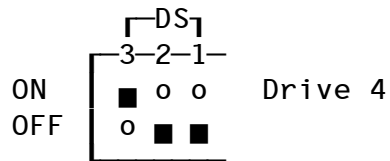
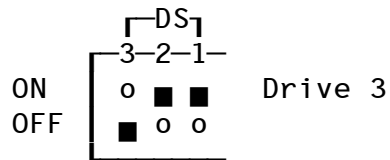
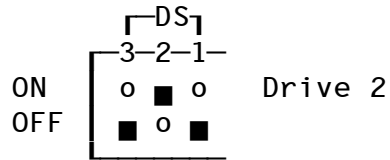
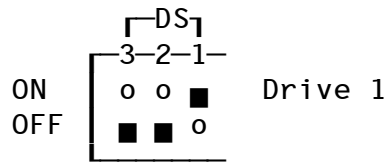
Jumper T
open

Jumper A through E
open

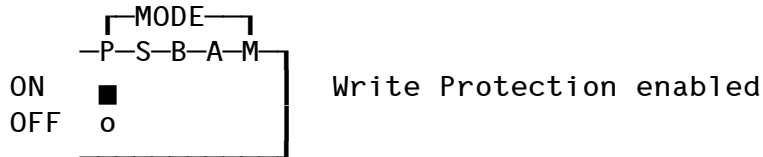
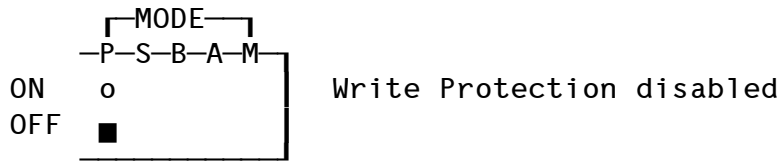
For PS/2 use, jumper D on PWA G8ATA/G8ATAE must be installed.

Switch Setting

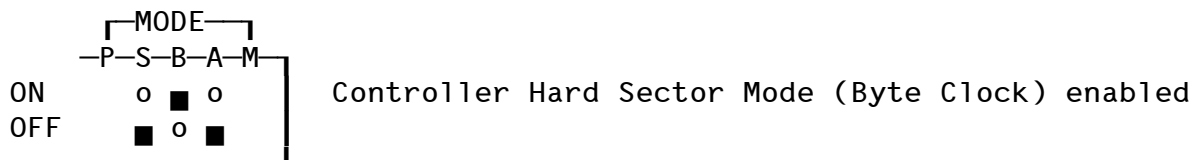
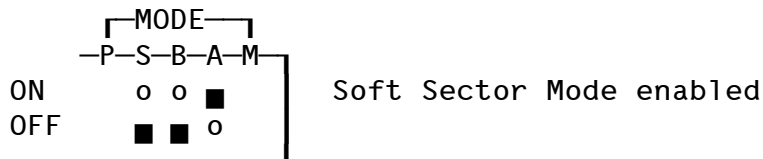
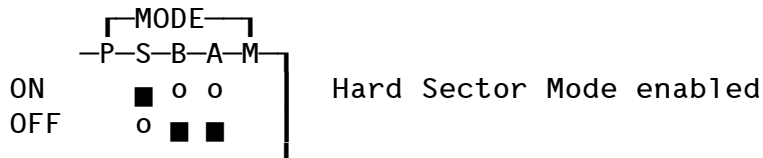
Drive Selection DIP Switch 3F



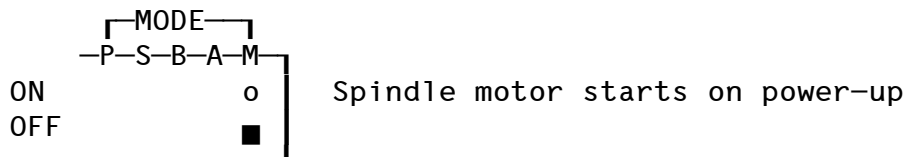
Write Protection
DIP Switch 3F

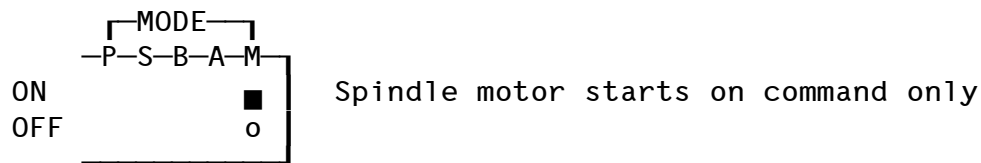


Sector Mode Option
DIP Switch 3F

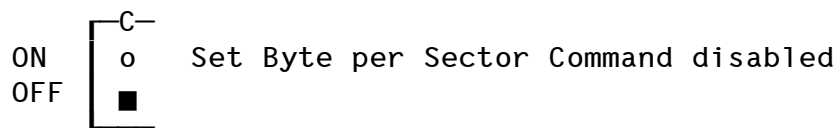
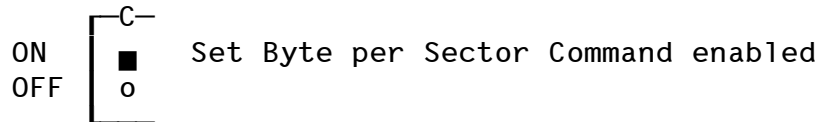


Motor Start Option
DIP Switch 3F



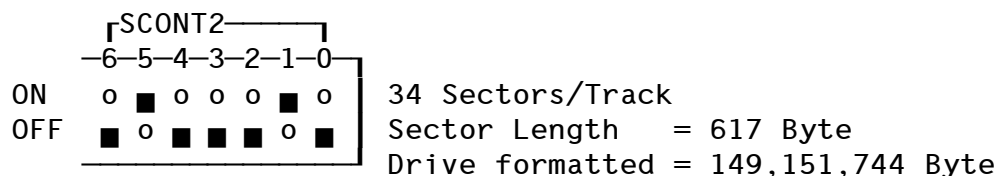
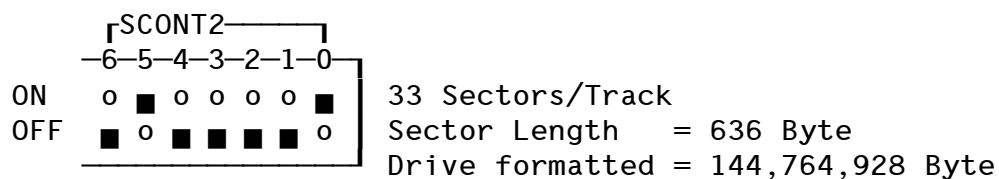
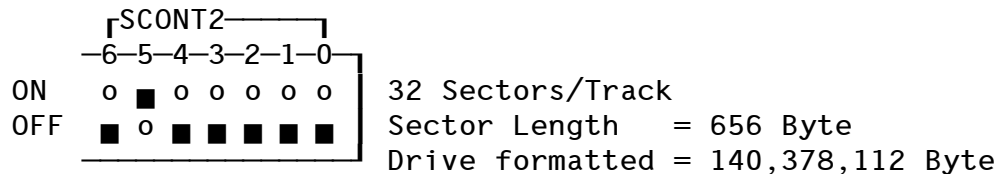


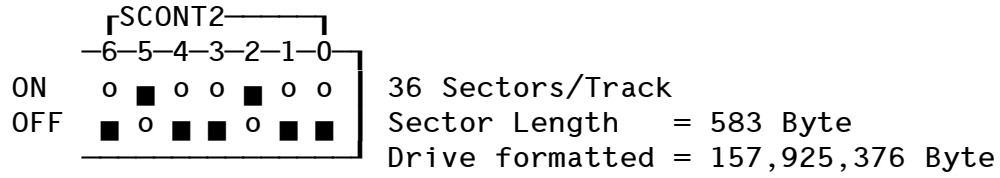
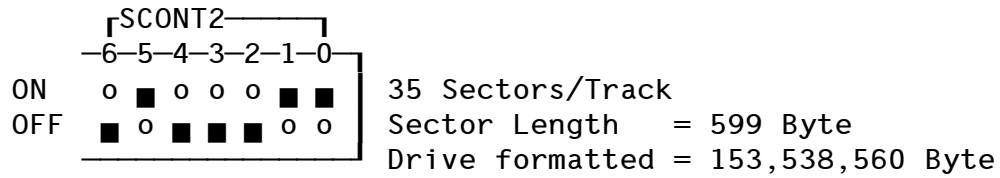
Set Byte per Sector Mode DIP Switch 3E



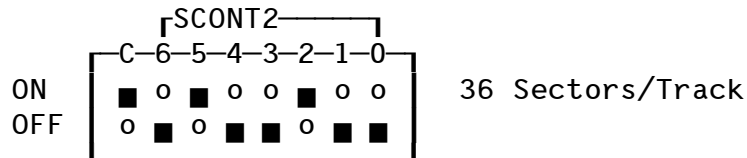
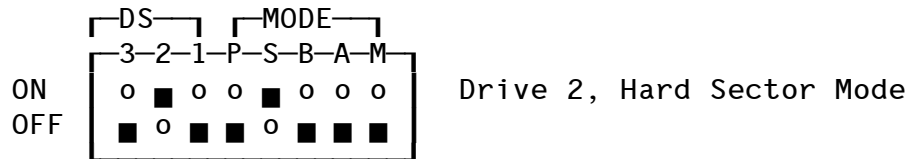
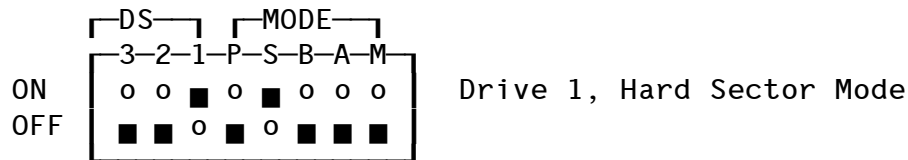
When both the Hard Sector mode switch (DIP Switch 3F/S) and the Set Byte Per Sector mode switch (DIP Switch 3E/C) are enabled, sector length is defined through switches 0-6 on DIP Switch 3E.

Sector Count Option DIP Switch 3E

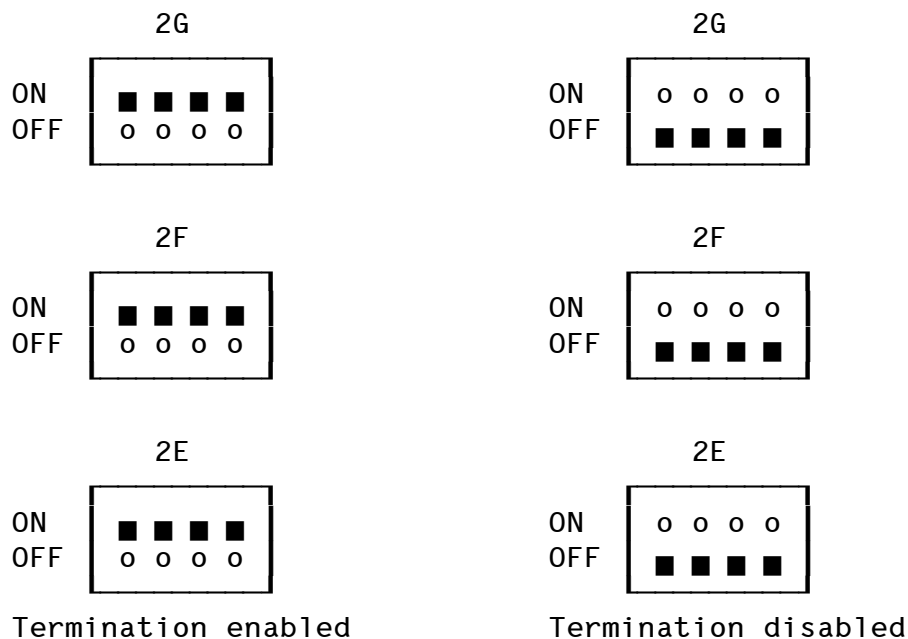




Recommended configuration is: drive #1 or #2 36 sectors/track.



ESDI Interface Termination DIP Switches 2E, 2F, 2G



Terminating Resistor Switches:

For a single drive configuration, set all three 4-position switches to "on." For multiple drive configuration, device at furthest end should be all "on," and all other devices should be "off."

Installation

- select Type 1
- select spare sector option
- start format under DEBUG G=C800:5 with spare sector

Use translation mode with 60 or 63 sectors per track after the low level format.

When you are using the NCL controller and NOVELL, select under DEBUG the ROM-BIOS table type 77.

Debug address for the WD 1007V controller is G=CC00:5.