

MECHANICAL AND READ/WRITE TEST

ABSTRACT :

This program will check seeks, access times, read and write, track and sector addressing. Each drive to be tested has to have a formatted disk pack. programmable (dual port) drives may be tested.

OPERATING PROCEDURES :

START ADDRESSES:

SA=200 normal starting (inhibit dual ported drives)

SA=204 select operating parameters (inhibit dual ported drives)

SA=210 select RH11/RH70 addresses (do not inhibit dual ported drives)

SA=214 combination of 204/210 (do not inhibit dual ported drives)

SA=220 same as 200 but no inhibitions

SA=224 same as 204 but no inhibitions

SWITCH SETTINGS :

SW15= 1 halt on error

SW14= 1 loop on test

SW13= 1 inhibit error type out

SW11= 1 inhibit iterations

SW10= 1 ring bell on error

SW09= 1 loop on error

SW08= 1 print error message on line printer

SW07= 1 read control switch settings from TTY

SW06= 1 inhibit time reports (tests 12-15)

SW05= 1 report one error per sector (test 16 & 17)

SW04= 1 inhibit writes (test 20)

SW03= 1 inhibit write checks (test 20)

SW02= 1 inhibit read and software compares (test 20)

SW01= 1 inhibit software compares (test 20)

SW00= 1 perform read after write check (test 20)

use "CONTROL G" to enter software SWR at loc. 176

CONTROL SWITCH SETTINGS :

SW00= 1 = 20 sector (18 bit) / 0 = 22 sector mode (16 bit)

SW05= 1 inhibit software timeouts (disable watchdog timer)

SW06= 1 50Hz power source

SW07= 1 do explicit seeks before data transfers

SW07= 0 do read header and data commands in tests 0-6

SW08= 1 do explicit seeks before data transfers

SW12= 1 incrementing stalls in test 4

SW13= 1 use random stall times

SW14= 1 stall after every drive function

SW15= 1 inhibit write pack before testing (test 16)

Default condition of CSW (15-00)=0

To enter control switch from TTY, following are used:

<.> CR (period): a statement terminator

<..> CR (period period) end of modification and start of test

<,> CR (comma): separator between drive No. and test No.

</> CR (slash): test NO. followed by slash, opens that test for modification

RUBOUT: delete last character