

RL01/RL02

ZRLNC0

RL01/02 DRIVE TEST 3 (SEEK/READ)

ABSTRACT :

This program exercises RL01/02 disk drives on RL11/RLV11 controllers. It starts by testing the simplest functions first using the logic tested in earlier tests to test more complex functions. First it tests seeks then data transfers. It reads the bad sector files into memory and will use this later to prevent testing on bad sectors.

It has 8 subtests:

- 1. seek timing*
- 2. basic read data test*
- 3. write / read data test part 1(with 8 patterns)*
- 4. rotational timing test*
- 5. write /read data test part 2*
- 6. write lock error and data protection test*
- 7. adjacent cylinder interference test*
- 8. overwrite test*

OPERATING PROCEDURES :

.R ZRLNC0

This program is running under the supervisory program.

This supervisory program will first talk to you.

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DR>START <CR>

You have to answer the hardware questions.

This is a (mostly used) example :

Change HW (L) ? Y<CR>

UNITS (D) ? 2<CR> (this is the number of drives)

UNIT 0<CR>

RL11 (L) Y ?<CR>

BUS ADDRESS (O) 174400 ? <CR>

VECTOR (O) 160 ? <CR>

DRIVE (O) 0 ? 1<CR>

DRIVE TYPE = RL01 (L) Y ? N

BR LEVEL (O) 5 ? <CR>

UNIT 1

If you answer Y to the question

CHANGE SW (L) ? Y<CR>

you can change a lot of parameters like:

USE ALL CYL (L) N ?

USE ALL SECT (L) N ?

DO MANUAL INTERVENTION TEST (L) N ?

if no error found it will print

CZRLN EOP 1

0 TOTAL ERRS