

NOTES OF IMPORTANCE

The switch settings for the controllers determine what type of disk drive is present in the system. The diagnostic looks at these switch settings and places the appropriate defaults into the displays.

The proper switch settings are as follows:

LCDC CONTROL ADAPTER PCB

Switch pack 1A:

All off = Kennedy
4 on and other off = ISS

Switch pack 2A:

All off = Both

LCDC DATA ADAPTER PCB

Switch pack 20A:

3 on and all others off = Kennedy
4 on and all others off = ISS

At this time I am not sure where the temporary flaws get logged from. I suspect but have not had time to establish that they are logged from the regular LCD diagnostics. If anyone has any information on this please let me know.

Formatting LCD on XL40 Systems

LCD Formatter is resident on the XL40 Diagnostic Tape (Version 5.0) and is accessed by typing EX,LCD FMT in response to the ENTER SCS COMMAND message.

After loading the screen will display the main menu:

```
LCD FORMAT          V(5.00)          7/21/82
*** LCD FORMAT MENU ***
 1 = INTITAL FORMAT
 2 = FULL REFORMAT
 3 = QUICK REFORMAT
 4 = PRINT PERMANENT FLAW DATA
 5 = PRINT TEMPORARY FLAW DATA
 6 = EXIT
```

MENU OPTION (1) =

Entering CNTL/PASS at any time will bring you back to this main menu.

MENU OPTION (1) = 1

Screen displays:

INITIAL FORMAT DESTROYS SYSTEM DATA AND THE EXISTING
PERMANENT DRIVE FLAW MAP. IT CREATES A NEW MAP OF FLAWS
FOUND ON THIS PASS ONLY.
CONTINUE (N) ?

Answering N brings you back to main menu.

Answering Y displays the following prompts:

CONTROLLER NUMBER (1) =	Enter FIELD REL for default
DRIVE NUMBER (1) =	Enter appropriate drive number or FIELD REL for default
ANY MORE DRIVES (N) ?	Enter FIELD REL for default
IS THIS A KENNEDY 5300 DRIVE (Y) ?	Enter FIELD REL for default
or	Which message displays depends on switch settings on PCB's.
IS THIS AN ISS 717 DRIVE (Y) ?	
START, HIGH NUMBERED CYLINDER (699) = Kennedy	Enter FIELD REL for default
or	
CYLINDER (558) = ISS END, LOW NUMBERED CYLINDER (0) =	Enter FILED REL for default
SECTOR BYTE SIZE (1344) =	Enter FIELD REL for default
CERTIFY WRITES AND VERIFIES THE WORST CASE DATA PATTERN CERTIFY (Y) ?	Enter FIELD REL for default
EXTENDED PATTERNS (Y) ?	Enter FIELD REL for default

Screen now displays flaw entry menu.

1 = MANUALLY KEY IN TRACKS TO RETIRE

2 = MANUALLY KEY IN FLAWS

3 = EXIT

OPTION (3) =

Enter 1 if you wish to
retire an entire track.
Enter 2 if you are entering
the manufacturers flaw map or
specific flaw found or listed
elsewhere.
Enter 3 if you have no flaws
to enter and wish to continue.

AWAIT OPERATOR RESPONSE Enter FIELD REL for default
ON ERROR (N) ?
NBR OF PASSES THROUGH LCD Enter FIELD REL for default
FMT (1) =
PARAMETERS ACCEPTABLE (Y) ? Enter FIELD REL for default
 If you answer N it goes back
 to main menu.

RESET IN PROGRESS - WAIT

Format starts at this point.

MENU OPTION (1) = 2

FULL REFORMAT DESTROYS SYSTEM DATA AND UPDATES THE PERMANENT
DRIVE FLAW MAP WITH THE ENTRIES FROM THE TEMPORARY DRIVE
FLAW MAP AND FLAWS FOUND ON THIS PASS.
CONTINUE (N) ?

Answering N brings you back to the main menu.

Answering Y displays the following prompts:

CONTROLLER NUMBER (1) = Enter FIELD REL for default
DRIVE NUMBER (1) = Enter appropriate drive number
 or FIELD REL for default
ANY MORE DRIVES (N) ? Enter FIELD REL for default
IS THIS A KENNEDY 5300 Enter FIELD REL for default
DRIVE (Y) ? Which message displays depends
 on switch settings on PCB's.
 or
IS THIS AN ISS 717
DRIVE (Y) ?
START, HIGH NUMBERED Enter FIELD REL for default
CYLINDER (699) = Kennedy
 or
CYLINDER (558) = ISS
END, LOW NUMBERED Enter FIELD REL for default
CYLINDER (0) =
SECTOR BYTE SIZE (1344) = Enter FIELD REL for default
CERTIFY WRITES AND VERIFIES Enter FIELD REL for default
THE WORST CASE DATA PATTERN
CERTIFY (Y) ?
EXTENDED PATTERNS (Y) ? Enter FIELD REL for default

Screen now displays flaw entry menu.

1 = MANUALLY KEY IN TRACKS TO RETIRE
2 = MANUALLY KEY IN FLAWS
3 = EXIT
OPTION (3) =

Enter 1 if you wish to retire an entire track.
Enter 2 if you are entering the manufacturers flaw map or specific flaw found or listed elsewhere.
Enter 3 if you have no flaws to enter and wish to continue.

AWAIT OPERATOR RESPONSE ON ERROR (N) ? Enter FIELD REL for default
NBR OF PASSES THROUGH LCD FMT (1) = Enter FIELD REL for default
PARAMETERS ACCEPTABLE (Y) ? Enter FIELD REL for default
If you answer N it goes back to main menu.

RESET IN PROGRESS - WAIT

Format starts at this point.

MENU OPTION (1) = 3

QUICK REFORMAT FORMATS ONLY THOSE TRACKS FOR WHICH THERE IS AN ENTRY IN THE TEMPORARY DRIVE FLAW MAP. ANY NEW FLAWS FOUND ON THOSE TRACKS WILL ALSO BE ADDED TO THE PERMANENT DRIVE FLAW MAP. SYSTEM DATA ON THE FORMATTED TRACKS IS DESTROYED.
CONTINUE (N) ?

Answering N brings you back to the main menu.

Answering Y displays the following prompts:

CONTROLLER NUMBER (1) = Enter FIELD REL for default
DRIVE NUMBER (1) = Enter appropriate drive number
or FIELD REL for default
IS THIS A KENNEDY 5300 Enter FIELD REL for default
DRIVE (Y) ? Which message displays depends
or on switch settings on PCB's.
IS THIS AN ISS 717
DRIVE (Y) ?
PARAMETERS ACCEPTABLE (Y) ? Enter FIELD REL for default.

If you answer N it goes back to main menu.

Quick Reformat Begins
Page Five of Six

If there are no flaws in the temporary flaw map, the system will display:

NO FLAWS IN MAP and go back to main menu.

MENU OPTION (1) = 4 or 5

CONTROLLER NUMBER (1) = Enter FIELD REL for default
DRIVE NUMBER (1) = Enter appropriate drive number
or FIELD REL for default

IS THIS A KENNEDY 5300 Enter FIELD REL for default
DRIVE (Y) ? Which message displays depends
or on switch settings on PCB's.

IS THIS AN ISS 717
DRIVE (Y) ?

PARAMETERS ACCEPTABLE (Y) ? Enter FIELD REL for default
If you answer N it goes back
to main menu.

RESET IN PROGRESS - WAIT

The following displays if there are flaws in the map.

DRIVE TYPE = KENNEDY Which message displays depends
or on switch settings on PCB's.

DRIVE TYPE = ISS

SERIAL NBR = Enter drive serial number. If
not known. Just hit FIELD REL

IF THE PRINTER IS NOT SELECTED, USE THE CONTROL KEY TO
ADVANCE THE DISPLAY.

*** LCD FLAW INFORMATION ***

CYL	SURFACE	BYTE
xxxx	xxxxx	xxxx

PRESS 'FIELD REL' TO CONTINUE

DRIVE NBR = 1

TOTAL FLAW = xxx

TOTAL RETIRED TRKS = xxx

END OF FORMAT

PRESS 'FIELD REL' TO CONTINUE

MENU OPTION (1) = 6

ENTER SCS COMMAND