

DataGeneral

**TECHNICAL
STATEMENT**

TEXT LISTING

068-000437-03

PROGRAM

PRINTER ACTION TEST

TEXT TAPE

097-000437-03

ABSTRACT

THIS PROGRAM PROVIDES BOTH A DIAGNOSTIC EXERCISER
AND A RELIABILITY EXERCISER FOR A PRINTER. THE
PRINTER MAY BE ON A TTY (DEVICE CODE 10-11, 50-51),
OR ON A QUAD-MUX INTERFACE.

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INSTRUCTIONS FOR CONTROL OF DIAGNOSTIC
*****
DIAGNOSTIC CAN BE CONTROLLED BY EITHER TTY OR CONSOLE
SWITCHES. BOTH CONTROL OPTIONS HAVE CHOICES OF LOGGING
OR NON-LOGGING OF TEST INFORMATION.
TTY CONTROL
*****
DEVICE CODE 11, 51 OR QUAD-MUX CONTROL
I) TO START USE "CONSOLE SWITCHES"
A) SET SWITCH R UP, ALL OTHERS DOWN (OCIAL 200)
B) PRESS STOP SWITCH, PRESS RESET SWITCH
C) PRESS START SWITCH UP
D) IF DEVICE CODE 51 OR QUAD-MUX CONTROL, WITHIN
THE NEXT FEW SECONDS STRIKE A KEY ON THE TTY
YOU WISH TO BE THE CONTROLLING DEVICE.
IF NO KEY IS STRUCK, ASSUMES DEVICE CODE 11.
E) ANSWER CONFIGURATION QUESTIONS.
11) TO ANSWER CONFIGURATION QUESTIONS
A) TYPE IN NEW DATA, THEN "CARRIAGE RETURN"
B) TO USE LAST DATA ENTERED (OR DEFAULT DATA)
HIT "CARRIAGE RETURN" ONLY
C) TO CAUSE CONFIGURATION QUESTIONS TO BE
ASKED, HIT KEY CTRL R
NOTE: FOR TESTING SEVERAL DEVICES AT ONCE ON THE QUAD-MUX
INTERFACE, FIRST ANSWER THE "DEVICE?", WITH
2 (QUAD-MUXES(2)). THEN GIVE THE LAST LINE NUMBER
TO BE USED. PRINTING WILL OCCUR ON LINES 0-LAST.
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AVAILABLE TESTS
*****
(1) DEFAULT: A COMPLETE SET OF TESTS DESIGNED TO TRY
ALL MODES OF PRINTER OPERATION.
2) 'NEW-LINE' TEST, THEN FORM FEED
3) OVERPRINT DIFFERENT CHARACTERS
4) PRINT SHORT LINES
5) FORM-FEED THEN SEVERAL OF LINES
6) PRINT ASCII CODES
7) PRINT TWO PAGES OF CHARACTERS
10) OVERPRINT SHORT LINES
11) CARRIAGE RETURN TEST
12) OVERPRINT LINES
13) DELAYS BETWEEN CHARACTER PRINTS
(14) RELIABILITY: THIS TEST OUIPUTS SPACES TO A COLUMN,
THEN A CHARACTER, THEN A CARRIAGE RETURN.
IF ANY CHARACTER IS MISSED THERE WILL BE A
'BLANK' IN THE OUTPUT.
(15) KEYBOARD TEST: THIS TEST ECHOES SEVERAL TIMES
ANY KEY STRUCK ON THE TEST DEVICE KEYBOARD.
ALSO THE OCTAL CHARACTER CODE IS PRINTED.
(16) BUFFER TEST: THIS TEST ALLOWS THE OPERATOR
TO SET UP A BUFFER TO PRINT REPEATEDLY.
(17) NULL CHARACTER OUTPUT TEST: CONTINUOUSLY OUTPUTS
NULLS. IS A NON PRINTING RELIABILITY TEST.
(20) TOP OF FORM TEST (MODEL 1129 OPTION FOR
DASHER PRINTER). TEST REQUIRES OPERATOR INTERVENTION.
THIS TEST ASSUMES THE STANDARD PORTION OF THE DASHER IS
FUNCTIONAL. (DEFAULT TEST #1 SHOULD BE RUN PRIOR TO
THIS TEST).
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10005 .MAIN
01      ; CONSOLE SWITCH CONTROL
02      ; *****
03      ;
04      ;
05      ; 1) TO START TEST
06      ;     A) TO START SET SWITCHES 9 TO 15 UP - 177 UCTAL
07      ;     B) PRESS START SWITCH UP
08      ;     C) ANSWER CONFIGURATION QUESTIONS
09      ; NOTE: CONFIGURATION QUESTIONS ARE NUMBERED.
10      ;     AC1 CONTAINS THE DEFAULT OR LAST ANS.
11      ;     AC2 CONTAINS THE QUESTION NUMBER.
12      ;     AC3 CONTAINS QUESTION ADDRESS.
13      ;
14      ;
15      ; TO ANSWER CONFIGURATION QUESTIONS:
16      ;     1) SET SWITCHES 1 TO 15 TO UCTAL ANSWER
17      ;     2) CONTINUE SWITCH DOWN TO ENTER ANSWER
18      ;     3) REPEAT 1 & 2 UNTIL ALL QUESTIONS ARE
19      ;        ANSWERED.
20      ;
21      ; TO KEEP PRIOR ANSWER      - SET SW0 TO ONE & CONTINUE
22      ; TO CHANGE ANSWER        - SET APPROPRIATE SW'S TO
                                ; UCTAL & CONTINUE
                                ;
                                ;
01      ;
02      ; ABBREVIATED INSTRUCTIONS
03      ; *****
04      ;
05      ;
06      ; UPTION      USE      TTY KEY      CONSOLE SWITCH
07      ; CTL-R      RESTART PROGRAM      CTL-K      FLIP SWT 0
08      ; CTL-T      CHANGE TEST #      CTL-T      FLIP SWT 15
09      ; B          CHANGE BUFFER      B          FLIP SWT 9
10      ;
11      ; NOTE - CONTROL INFORMATION, QUESTIONS, AND PASS 1
12      ;     LOGGING IS NEVER SUPPRESSED.
13      ;
14      ;
15      ; SPECIAL QUESTIONS FOR INDIVIDUAL TESTS
16      ; *****
17      ;
18      ; IF BUFFER TEST IS ASKED FOR THEN:
19      ; CHANGE BUFFER. 'CTL Z' TO START PRINTING.
20      ; SWITCH ANSWERS:
21      ;     ASCII # FOR CHAR
22      ;     32 UCTAL TO BEGIN PRINT
23      ;     33 UCTAL TO DUMMY A CR-LF
24      ;
25      ;
26      ; THEN TO STOP THE PRINT:
27      ; SWITCH ANSWERS:
28      ;     FLIP SWT 9 TO CHANGE BUFFER
29      ;
30      ;
31      ; IF THE OPERATOR WISHES TO CHANGE THE
32      ;     BUFFER FROM WHICH THE CURRENT TEST IS RUNNING,
33      ;     'KEY-B' (SWT 9) SHOULD BE STRUCK. THEN THE
34      ;     NEW BUFFER IS INPUT UNTIL A 'CTL Z' IS
35      ;     RECEIVED. AN 'ESC' DUMMY'S A CARRIAGE-RETURN
36      ;     LINE-FEED ON THE CONTROL DEVICE BUT
37      ;     DOES NOT CHANGE THE BUFFER. 'CTL Z' RESUMES TESTING.
38      ;     'KEY-B' TO CHANGE BUFFER AGAIN.
39      ;
40      ; THE CTL-R AND CTL-T FUNCTIONS MAY INVOLVE A DELAY BEFORE THE
41      ;     PROGRAM RESPONDS. GENERALLY RESPONSE OCCURS AFTER A
42      ;     CR-LF OR THE END OF STRING OF CHARACTERS OUTPUT.
43      ;
44      ; IF DASHER TUF OPTION TEST IS ASKED FOR, READ TEXT AT
45      ;     START OF TEST AND FOLLOW INSTRUCTIONS OUTPUTTED.
46      ; NOTE: THE TUF CONTROLS ARE LOCATED ON A SECONDARY
47      ;     CONTROL PANEL AND REQUIRE OPENING THE TOP
48      ;     COVER FOR ACCESS.
49      ;     (IT WILL BE NECESSARY TO USE BUFFER TEST IN ORDER TO
50      ;     SET UP A SCOPE LOOP)
51      ;
52      ;
53      ;

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•EOT

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**00000 TOTAL ERRORS, 00000 PASS 1 ERRORS