

MAYDEC-11-020-

NEW NUMBER = DZLPA

LP11 Line Printer Test

ABSTRACT

The LP11 Line Printer Diagnostic Test Program is designed to provide a thorough checkout of the printer control interface electronics as well as the electronic and mechanical portions of the line printer mechanism itself. The program consists of a series of seven test and drive routines, each of which can be selected and operated independently of the others using special entry points. Internally detected error conditions are displayed on the teleprinter while detailed descriptions of each error and what was happening at the time the error occurred is presented in the listing. Print patterns used in these tests have been chosen for ease of visual verification.

The first test is composed of several tests designed to checkout the processor interface control electronics and intercommunications data paths. Test 2, 3, and 4 use worst case patterns to test printer performance and endurance while tests 5 and 6 provide drive for printer hammer alignment and intensity adjustment procedures and a test of the paper slow and clutch operations. Test 7 consists of several sub-tests and maintenance aids among them a scope drive test for helping the technician to debug the hardware.

REQUIREMENTS

PDP-11
DATA Products, Model 2310, Line Printer
LP11 Line Printer Control Unit

STORAGE = 0 = 7000

LOADING = Absolute Loader

EXECUTION TIME = Continuous running = Printout will occur

STARTING PROCEDURE = Start at 200
Restart at 600

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

SW15 = HALT ON ERROR
SW14 = 132 COL, LINE PRINTER
SW13 = 96 CHARACTER LINE PRINTER
SW12 = LOOP ON ROUTINE