

MAINDEC-11-D9C-

NEW NUMBER = DZCRA

CR11 Diagnostic Test

ABSTRACT

This test is to be used as a card reader diagnostic for the PDP-11 with the CR11 card reader. It tests all logic functions of the card reader and includes an exerciser for alphanumeric and binary test decks. A separate starting address allows the error sensing functions of the G.D.I. or Documentation Reader to be checked. Another starting address tests special decks which have all columns and cards punched identically, to aid in diagnosing special problems.

REQUIREMENTS

PDP-11
CR11 Card Reader

STORAGE = 0 - 15K30

LOADING = Absolute Loader

EXECUTION TIME = Depends on test being run. Easily monitored by watching the cards feed thru the reader,
= Bell will ring,

STARTING PROCEDURE = Load one test deck in the card reader input hopper,
Press motor start and read start,
Set switch register to starting address,
Load Address,
Set switches all down,
Press start,
When the input hopper is empty the program will hang waiting for an interrupt from the card reader. Load one or more test decks into the input hopper. Pressing "MOTOR START" and "READ START" on the card reader should cause program execution to resume. This entire sequence is necessary to run the full test on the card reader,

PRINTOUTS = No

SWITCH REGISTER OPTIONS = Yes

SW15 = HALT ON ERROR	SW7 = LOOP THRU INST, TEST
SW14 = SCOPE LOOP	SW6 = RETURN TO BEGINNING OF TEST
SW13 = INHIBIT PRINTOUT	SW5 = HALT BETWEEN TEST DECKS
SW12 = INHIBIT TRACE TRAP,	SW4 = RUN BINARY TEST DECK
SW11 = INHIBIT SUBPROGRAM ITERATION	

COMMENTS - Note that certain switch register settings may cause errors to occur although the reader is functioning. See the document (Section 4.1) for description of these effects;