

NEW NUMBER = DZCMB

CM11F Diagnostic Test with the documentation OM-200 Card Reader <80 column>

## ABSTRACT

This test is to be used as a card reader diagnostic for the PDP-11 with the CM11F Card Reader. It tests all logic functions of the Card Reader, and includes an exerciser for punch alphanumeric, punch binary, and mark sense binary test decks. A separate starting address allows the error sensing functions of the reader to be checked. Another starting address tests special decks which have all columns and cards punched or marked identically, to aid in diagnostic special problems.

## REQUIREMENTS

PDP-11 STANDARD COMPUTER  
 CM-11F CARD CONTROLLER  
 CM-11FA,FB CARD READER DOCUMENTATION MODEL OM-200 <80 COLUMN>

STORAGE = THE ROUTINE USES MEMORY 0 TO 16000.

LOADING =

EXECUTION TIME = Not Applicable

## STARTING PROCEDURE

200 = INSTRUCTION AND DATA SET  
 210 = PICK FUNCTION TEST  
 220 = ERROR FUNCTION TEST  
 240 = SINGLE SUBTEST LOOP  
 250 = READ SINGLE DATA PATTERN TEST

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

SW15=1 OR UP,..HALT  
 SW14=1 OR UP,..SCOPE LOOP  
 SW13=1 OR UP,..INHIBIT PRINT OUT  
 SW12=1 OR UP,..INHIBIT TRACE TRAPPING  
 SW11=1 OR UP,..INHIBIT SUB-PROGRAM ITERATION  
 (NOTE THAT IF SW11 IS SET, THE CARD COUNT WILL BE ALTERED, CAUSING FAILURES IN THE DATA TEST SECTION)  
 SW07=1 OR UP,..LOOP THRU THE INSTRUCTION TEST PORTION  
 (NOTE THAT THE PROGRAM MAY HANG LEGITIMATELY WHEN THE INPUT HOPPER GOES EMPTY IF SW7 IS SET)

SW06=1 OR UP,.,RETURN TO THE BEGINNING OF THE INSTRUCTION  
TEST  
WHEN COUNTING FROM ONE DECK TO ANOTHER  
SW05 OR UP,.;HALT BETWEEN TEST DECKS  
(SEE 5.2.1 FOR EXPLANATION OF SW5=0)  
SW034=1 OR UP,.,RUN THE PUNCHED BINARY TEST DECK (UNLESS  
SW03 IS SET)  
SW03=1 OR UP,.,RUN THE MARKSENSE BINARY TEST DECK