

IDENTIFICATION

PRODUCT CODE:	MAINDEC-08-DIKLB-A-D
PRODUCT NAME:	KL8-JA TELETYPE TEST
DATE CREATED:	OCTOBER 8, 1973
MAINTAINER:	DIAGNOSTIC GROUP
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1. ABSTRACT

THIS PROGRAM CONSISTS OF A PACKAGE OF TEST PROGRAMS FOR TESTING THE TELETYPE, ONLY ONE TELETYPE MAY BE TESTED AT A TIME; THE TELETYPES THAT CAN BE TESTED ARE LT33-CC, LT33-DD, LT33-CC, LT33-CD, LT35-CC, LT35-CD, OR KSR37.

THE TEST PROGRAMS ARE:

PRG0=READER TEST
PRG1=PRINTER TEST
PRG2=PUNCH TEST
PRG3=KEYBOARD TEST
PRG4=COMBINED TEST
PRG5=READER EXERCISER, BINARY COUNT PATTERN
PRG6=PRINTER EXERCISER
PRG7=BINARY COUNT TAPE GENERATOR

2. REQUIREMENTS

2.1 EQUIPMENT

A. PDP-8/E FAMILY PROCESSOR WITH AT LEAST 4K OF MEMORY OR A PDP-8, 8I OR 8L WITH 4K OF MEMORY AND A DM8E=BN OR A DM8E=P BUS CONVERTER,
B. LT33'S, LT35-CC, LT35-CD OR KSR37 TO TEST A 110 BAUD CURRENT OPTION,
C. KL8-JA(M8655) TERMINAL CNTRL/DATA INTERFACE.

2.2 STORAGE

LOCATIONS 0000 THROUGH 5400 ARE USED.

2.3 PRELIMINARY PROGRAMS

THE SYSTEM MUST BE CAPABLE OF RUNNING ALL BASIC PROCESSOR DIAGNOSTICS AND THE KL8-JA LOOP BACK TEST, MAINDEV=00-DIKLA.

3. LOADING PROCEDURE

3.1 METHOD

THE PROGRAM IS LOADED USING THE STANDARD BINARY LOADER TECHNIQUE AND THE PROGRAM MUST RESIDE IN FIELD 0.

4. TEST PROCEDURE

4.1 DEVICE CODE SELECTION

BEFORE ANY PROGRAM CAN BE RUN, THE PROGRAM MUST HAVE THE FOLLOWING INFORMATION:

- 1, TYPE OF TELETYPE (33, 35, OR 37)
- 2, DEVICE CODES ASSIGNED,

TO PROVIDE THIS INFORMATION, PROCEED AS FOLLOWS:

A, SET LOCATION 0020 TO:

- 1, 0000 FOR LT33'S TELETYPE
- 2, 0001 FOR LT35-CC OR LT35-CD TELETYPE
- 3, 0002 FOR KSR 37 TELETYPE

B, SET LOCATION 0021 AS FOLLOWS:

- 1, LOAD ADDRESS 0021,
- 2, SET SR 0 THROUGH 5 TO THE DEVICE CODE OF THE KEY-BOARD/READER TO BE TESTED,
(EG) READER CODE OF 03, SR0-5=03,
- 3, SET SR 6 THROUGH 11 TO THE DEVICE CODE OF THE PRINTER/PUNCH TO BE TESTED,
(EG) PRINTER CODE OF 04, SR6-11=04,
- 4, PRESS DEPOSIT,

C, REFER TO INDIVIDUAL PROGRAM TEST PROCEDURE.