

NO. 2172336
SHEET 0
OF 12

DIAGNOSTIC TEST

DIPAL NAME DX03

TITLE TYPEWRITER TEST - DTX03
MACH.TYPE 1620 - I BY HNT APPR. DATE

ENGINEERING CHANGE HISTORY

E/C NO.	DATE	SHEETS AFFECTED
404980	5-7-64	1 - 12

E/C NO.	404980						
DATE	5-7-64						



DTX03
1620-1 TYPEWRITER TEST
DIPAL NAME DX03

PROGRAM DESCRIPTION

1. Purpose

This program tests all operation of the 1620-1 Console Typewriter, including read numeric and read alpha if desired.

2. Test Method

This program is a fault detection test and is made up of short, independent routines. Each operation and character set is executed three times before proceeding to the next routine. Standard program switch control is provided.

3. Modifications

This program contains the necessary linkage to make it compatible with the DIPAL Monitor.

4. Units of System Required

This test requires the basic 1620-1 and 1622 card reader ~~or~~ 1621 paper tape reader.

5. E/C Level

All levels.

LOADING INSTRUCTIONS

1. Clear core by inserting 31 00003 00002.
Release/Start.

~~2. Load test deck from 1622 by pushing LOAD button.~~

3. Load from paper tape Insert 36 00000 00300 K-S

4. To reproduce the paper tape,
Insert 36 00000 00300, Release, Press
"SIE" Button. After tape has loaded insert

LOC
00000 35 00000 00200
00012 41 00416 00000
00024 16 00013 00049
00036 16 00001 00041
00048 49 00416 00000

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4. Continued

Release/Start

When MAR reaches 03202, Stop by pressing "SCE" Button, Reset, and Insert 35 19999 00200. Release/Start

5. Machine will halt with 00011 in MAR. Press START to execute test.

OPERATING INSTRUCTIONS

1. The machine will type instructions for setting margins and tab stops. After setting these, press START to continue.
2. After one program pass is complete, pass complete message is typed out. If SW4 is on, the program is repeated. If SW4 is off, the next program is read from the 1622.

3. Read Alpha Test

A manual branch to location 01982 must be executed in order to enter the Read Alpha test routine. Instructions will be typed out, and then a Read Alpha instruction executed. Any length record may be entered. Terminate with a record mark, release and start. The same record will be typed out. Switch 2 will cause the routine to loop in either the read or write phase, and Switch 4 will repeat the complete Read Alpha test. If SW4 and SW2 are off, the program will halt after writing the record. Pressing START will cause the routine to repeat.

4. Read Numeric Test

Same as the Read Alpha test, except a manual branch to location 02256.

5. Program Console Switches

The program console switches have the following control:

Switch 1 ON: Bypass all error routines
 OFF: Test Switch 3 on error

Switch 2 ON: Loop in test routine
 OFF: Continue to next routine

Switch 3 ON: Halt on error if SW1 off
 OFF: Typeout on error if SW1 off

Switch 4 ON: Repeat program
 OFF: Load next program from 1622

6. Data Check Switches - as desired.

7. Normal Program Halts

00560 Allow Tab and Margin Settings
02138 Read Alpha Test Complete and SW4 OFF.
02412 Read Numeric Test Complete and SW4 OFF.

ERROR INFORMATION

1. Error Halts

There is one error halt in the program.

02710 Detected error. Display 1R2 for location +12 of error exit.

2. Error Typeouts

Error messages are typed out in the following format:

ERROR EXIT ADR 01100 MBR-E CK MBR-O CK

TYPEWRITER TEST DTX03

Set Margins at 10 and 90, Tab stops at 55 and 85

ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ

.)+\$*-/,(=0-0123456789
.)+\$*-/,(=0-0123456789
.)+\$*-/,(=0-0123456789

0123456789@
0123456789@
0123456789@

0123456789@#
0123456789@#
0123456789@#

TABULATE
TABULATE
TABULATE

6789
6789
6789

RETURN CARRIAGE
RETURN CARRIAGE
RETURN CARRIAGE

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SPACE TWICE SPACE TWICE SPACE TWICE SPACE TWICE SPACE TWICE
DTX03 TYPEWRITER TEST COMPLETE

4901982RS

KEY IN ALPHA RECORD, TERMINATE WITH RECORD MARK

ABCDEFGHIJKLMNOPQRSTUVWXYZU10JKLM,.+\$-/@()#RS

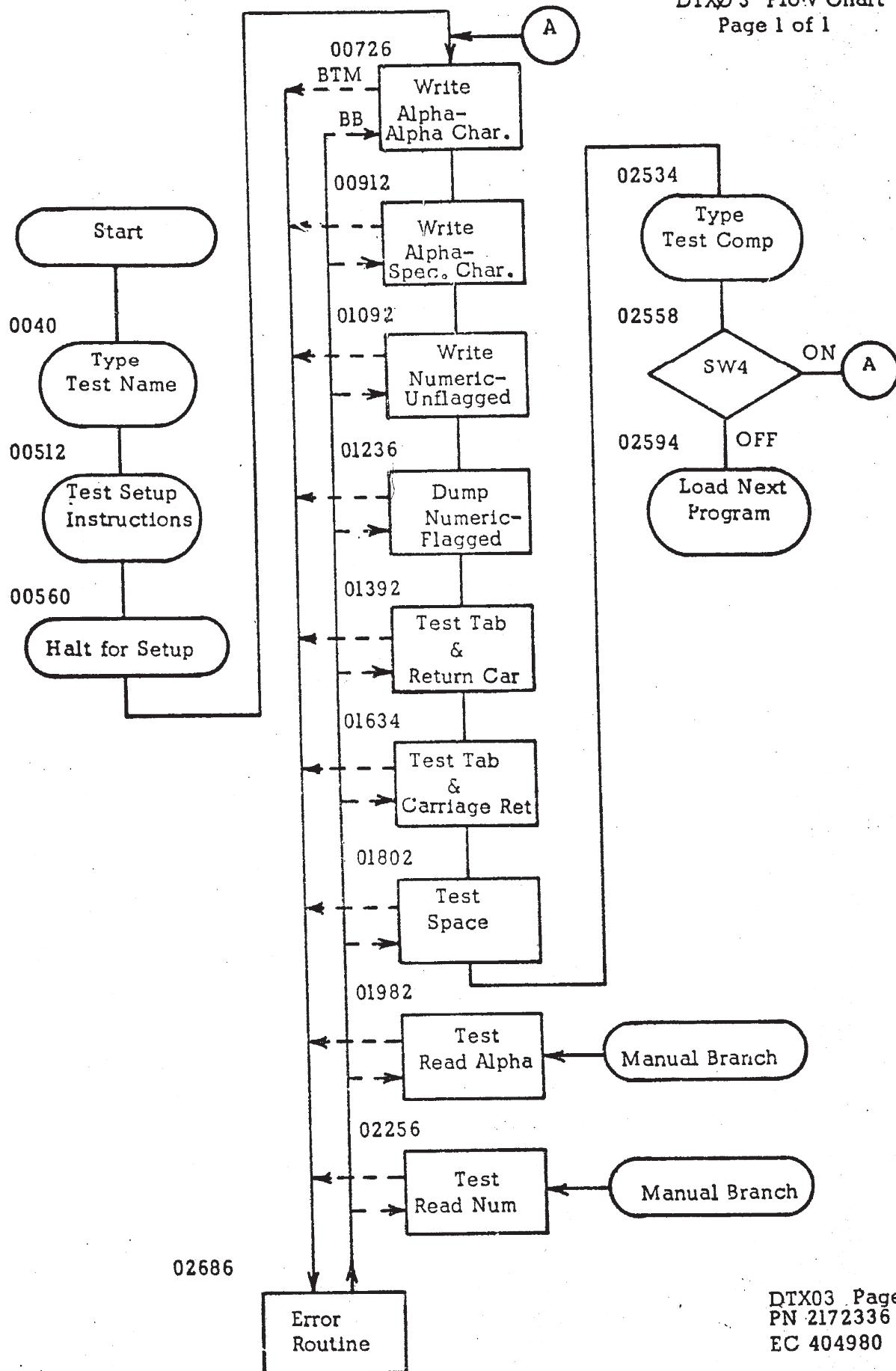
ABCDEFGHIJKLMNOPQRSTUVWXYZU10JKLM,.+\$-/@()

4902256RS

KEY IN NUMERIC RECORD, TERMINATE WITH RECORD MARK

12345678912345678900@#RS

12345678912345678900@



DTX03
1620-1 TYPEWRITER TEST

00402
 18000 00000
 18117 00000
 00403 00004
 00414 00005 -3202
 00416 45 00440 18117
 00428 49 18000 00000
 00440 34 00726 00102
 00452 16 00441 0009
 00464 39 00585 00100
 00476 47 00500 01900
 00488 17 02686 -0488
 00500 34 00000 00102
 00512 39 00629 00100
 00524 47 00548 01900
 00536 17 02686 -0536
 00548 34 00000 00102
 00560 48 00000 00000
 00572 49 00726 00000

MONIT DORG 402
 MON DS ,18000
 NAME DAC 4,DX03,
 DSA LAST
 ORG BNR *+24,MON
 B MONIT
 START RCTY T1.0
 TFM *-11,49,10
 WATY IDEN,,, TYPE TEST NAME
 BNA *+24,,, TEST ANY DATA CHECK
 BTM ERROR,,, GO TO ERROR ROUTINE
 RCTY
 WATY INST,,, TYPE INSTRUCTIONS
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 RCTY
 H ,,, HALT TO ALLOW TAB SETTING
 B T1.0,,, GO TO FIRST TEST

00585 00022
 00629 00025
 00679 00023

IDEN DAC 22,TYPEWRITER TEST DTX03'
 INST DAC 25,SET MARGINS AT 10 AND 90,
 DAC 23,TAB STOPS AT 55 AND 85'

THIS ROUTINE WILL TYPE THE ALPHABETIC
 CHARACTERS 3 TIMES.

00725 00002
 COUNT DC 2,0,, 2 DIGIT FIELD FOR PASS COUNT

00726 16 00725 000-0
 00738 34 00000 00102
 00750 34 00000 00102
 00762 39 00859 00100
 00774 47 00798 01900
 00786 17 02686 -0786
 00798 46 00750 00200
 00810 11 00725 000-1
 00822 14 00725 000-3
 00834 47 00750 01300
 00846 49 00912 00000

T1.0 TFM COUNT,0,10, RESET PASS COUNT TO 0
 RCTY
 RCTY
 WATY K1.0,,, TYPE FIRST PATTERN
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 BC2 T1.0+24,,, LOOP IF SW2 ON
 AM COUNT,1,10, UPDATE PASS COUNT
 CM COUNT,3,10, SEE IF 3 LINES TYPED
 BL T1.0+24,,, GO TYPE ANOTHER LINE
 B T2.0,,, GO TO NEXT TEST

00859 00027
 K1.0 DAC 27,ABCDEFHIJKLMNOPQRSTUVWXYZ'

THIS ROUTINE WRITES ALL NUMERALS AND
 SPECIAL CHARACTERS 3 TIMES IN ALPHA MODE.

00912 16 00725 000-0
 00924 34 00000 00102
 00936 34 00000 00102
 00948 39 01045 00100
 00960 47 00984 01900
 00972 17 02686 -0972
 00984 46 00936 00200
 00996 11 00725 000-1

T2.0 TFM COUNT,0,10, RESET PASS COUNT TO 0
 RCTY
 RCTY
 WATY K2.0,,, TYPE TEST PATTERN
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 BC2 T2.0+24,,, LOOP IF SW2 ON
 AM COUNT,1,10, UPDATE PASS COUNT

01008 14 00725 000-3
 1020 47 00936 01300
 01032 49 01092 00000

CM COUNT,3,10, SEE IF 3 LINES TYPED
 BL T2.0+24,,, GO TYPE ANOTHER LINE
 B T3.0,,, GO TO NEXT TEST

1045 00024

K2.0 DAC 24, .)+\$=-/, (=*-0123456789*

* THIS ROUTINE WILL TYPE 3 LINES OF UNFLAGGED NUMERIC CHARACTERS.

01092 16 00725 000-0
 01104 34 00000 00102
 1116 34 00000 00102
 1128 38 01224 00100
 01140 47 01164 01900
 01152 17 02686 -1152
 164 46 01116 00200
 01176 11 00725 000-1
 01188 14 00725 000-3
 200 47 01116 01300
 212 49 01236 00000

T3.0 TFM COUNT,0,10, RESET PASS COUNT TO 0
 RCTY
 RCTY
 WNTY K3.0,,, TYPE TEST PATTERN
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,*, GO TO ERROR ROUTINE
 BC2 T3.0+24,,, LOOP IF SW2 ON
 AM COUNT,1,10, UP DATE PASS COUNT
 CM COUNT,3,10, SEE IF 3 LINES TYPED
 BL T3.0+24,,, GO TYPE ANOTHER LINE
 B T4.0,,, GO TO NEXT TEST

01224 00010
 234 00001
 01235 00001

K3.0 DSC 10,0123456789
 DNB 1,,, 8-4 CHAR
 DC 1,,, RECORD MARK

* THIS ROUTINE TYPES 3 LINES OF FLAGGED NUMERIC CHARACTERS USING DUMP NUMERIC INSTRUCTION.

236 16 00725 000-0
 01248 31 19988 01380
 01260 34 00000 00102
 272 34 00000 00102
 284 35 19988 00100
 01296 47 01320 01900
 01308 17 02686 -1308
 320 46 01272 00200
 01332 11 00725 000-1
 01344 14 00725 000-3
 356 47 01272 01300
 368 49 01392 00000

T4.0 TFM COUNT,0,10, RESET PASS COUNT TO 0
 TR 19988,K4.0,,, SET UP DATA FIELD
 RCTY
 RCTY
 DNTY 19988,,, TYPE TEST PATTERN
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,*, GO TO ERROR ROUTINE
 BC2 T4.0+36,,, LOOP IF SW2 ON
 AM COUNT,1,10, UPDATE PASS COUNT
 CM COUNT,3,10, SEE IF 3 LINES TYPED
 BL T4.0+36,,, GO TYPE ANOTHER LINE
 B T5.0,,, GO TO NEXT TEST

01380 00001
 182 00002
 01384 00002
 01386 00002
 1388 00002
 ,89 00001
 01390 00001
 01391 00001

K4.0 DC 1,-0
 DC 2,-12
 DC 2,-34
 DC 2,-56
 DC 2,-78
 DC 1,-9
 DNB 1,,, 8-4 CHAR
 DC 1,,, RECORD MARK

* THIS ROUTINE TESTS THE TABULATE AND RETURN CARRIAGE OPERATIONS.

92 16 00725 000-0
 01404 34 00000 00102
 01416 34 00000 00102
 28 39 01585 00100
 01440 34 00000 00108

T5.0 TFM COUNT,0,10, RESET PASS COUNT TO ZERO
 RCTY
 RCTY
 WATY K5.0,,, TYPE TABULATE
 TBTY ;,, TAB TO 45

01452 47 01476 01900	BNA *+24,,,	TEST ANY DATA CK
01464 17 02686 -1464	BTM ERROR,,,	GO TO ERROR ROUTINE
01476 39 01603 00100	WATY K5.1,,,	TYPE RETURN CARRIAGE
01488 34 00000 00102	RCTY	
01500 47 01524 01900	BNA *+24,,,	TEST ANY DATA CK
01512 17 02686 -1512	BTM ERROR,,,	GO TO ERROR ROUTINE
01524 46 01428 00200	BC2 T5.0+36,,,	LOOP IF SW2 ON
01536 11 00725 000-1	AM COUNT,1,10,	UPDATE PASS COUNT
01548 14 00725 000-3	CM COUNT,3,10,	SEE IF 3 PASSES MADE
01560 47 01428 01300	BL T5.0+36,,,	DO AGAIN
01572 49 01634 00000	B T6.0,,,	GO TO NEXT TEST
01585 00009	K5.0 DAC 9,TABULATE'	
01603 00016	K5.1 DAC 16,RETURN CARRIAGE'	
*		
*		
*	THIS ROUTINE TESTS THE TABULATE AND	
*	CARRIAGE RETURN.	
*		
01634 16 00725 000-0	T6.0 TFM COUNT,0,10,	RESET PASS COUNT TO 0
01646 34 00000 00102	RCTY	
01658 34 00000 00102	RCTY	
01670 34 00000 00108	TBTY ,,,	TAB CARRIAGE
01682 34 00000 00108	TBTY ,,,	TAB CARRIAGE
01694 38 01790 00100	WNTY K6.0,,,	TYPE TEST PATTERN
01706 47 01730 01900	BNA *+24,,,	TEST ANY DATA CK
01718 17 02686 -1718	BTM ERROR,,,	GO TO ERROR ROUTINE
01730 46 01658 00200	BC2 T6.0+24,,,	LOOP IF SW2 ON
01742 11 00725 000-1	AM COUNT,1,10,	UPDATE PASS COUNT
01754 14 00725 000-3	CM COUNT,3,10,	SEE IF 3 PASSES MADE
01766 47 01658 01300	BL T6.0+24,,,	DO AGAIN
01778 49 01802 00000	B T7.0,,,	GO TO NEXT TEST
01790 00011	K6.0 DSC 11,0123456789'	
*		
*		
*	THIS ROUTINE TESTS THE SPACE OPERATION	
*		
01802 16 00725 000-0	T7.0 TFM COUNT,0,10,	RESET PASS COUNT TO 0
01814 34 00000 00102	RCTY	
01826 34 00000 00102	RCTY	
01838 39 01959 00100	WATY K7.0,,,	TYPE-SPACE TWICE
01850 34 00000 00101	SPTY	
01862 34 00000 00101	SPTY	
01874 47 01898 01900	BNA *+24,,,	TEST ANY DATA CHECK
01886 17 02686 -1886	BTM ERROR,,,	GO TO ERROR ROUTINE
01898 46 01838 00200	BC2 T7.0+36,,,	LOOP IF SW2 ON
01910 11 00725 000-1	AM COUNT,1,10,	UPDATE PASS COUNT
01922 14 00725 000-5	CM COUNT,5,10,	SEE IF 5 LOOPS MADE
01934 47 01838 01300	BL T7.0+36,,,	REPEAT
01946 49 02534 00000	B FINISH,,,	GO TO PROG COMPLETE ROUTINE
01959 00012	K7.0 DAC 12,SPACE TWICE'	
*		
*		
*	A MANUAL ENTRY TO THIS ROUTINE WILL SET UP	
*	A READ ALPHA OPERATION, AND WILL ACCEPT ANY	
*	ALPHA RECORD KEYED IN. THE SAME MESSAGE WILL	
*	BE TYPED OUT	

01982 34 00000 00102
 01994 39 02163 00100
 02006 34 00000 00102
 02018 37 03199 00100
 02030 47 02054 01900
 02042 17 02686 -2042
 02054 46 01982 00200
 02066 34 00000 00102
 02078 39 03199 00100
 02090 47 02114 01900
 02102 17 02686 -2102
 02114 46 02066 00200
 02126 46 01982 00400
 02138 48 00000 00000
 02150 49 01982 00000

T8.0 RCTY
 WATY INST2,,, TYPE INSTRUCTIONS
 RCTY
 RATY RDIN,,, READ IN RECORD
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 BC2 T8.0,,, LOOP IN READ SECTION
 RCTY
 RATY RDIN,,, TYPE SAME RECORD OUT
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 BC2 *-48,,, LOOP IN WRITE SECTION
 BC4 T8.0,,, LOOP IN ROUTINE IF SW4 ON
 H
 B T8.0,,, REPEAT ROUTINE

02163 00047

INST2 DAC 47,KEY IN ALPHA RECORD,TERMINATE WITH RECORD MARK*

*
 * A MANUAL ENTRY TO THIS ROUTINE WILL SET UP
 * A READ NUMERIC OPERATION, AND WILL ACCEPT
 * ANY NUMERIC RECORD KEYED IN. THE SAME MESSAGE
 * WILL BE TYPED OUT.
 *

02256 34 00000 00102
 02268 39 02437 00100
 02280 34 00000 00102
 02292 36 03199 00100
 02304 47 02328 01900
 02316 17 02686 -2316
 02328 46 02256 00200
 02340 34 00000 00102
 02352 38 03199 00100
 02364 47 02398 01900
 02376 17 02686 -2376
 02388 46 02340 00200
 02400 46 02256 00400
 02412 48 00000 00000
 02424 49 02256 00000

T9.0 RCTY
 WATY INST3,,, TYPE INSTRUCTIONS
 RCTY
 RNTY RDIN,,, READ IN RECORD
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 BC2 T9.0,,, LOOP IN READ SECTION
 RCTY
 WNTY RDIN,,, TYPE SAME RECORD OUT
 BNA *+24,,, TEST ANY DATA CK
 BTM ERROR,,, GO TO ERROR ROUTINE
 BC2 *-48,,, LOOP IN WRITE SECTION
 BC4 T9.0,,, LOOP IN ROUTINE
 H
 B T9.0,,, REPEAT ROUTINE

02437 00049

INST3 DAC 49,KEY IN NUMERIC RECORD,TERMINATE WITH RECORD MARK*

* PROGRAM FINISHED ROUTINE

02534 34 00000 00102
 02546 39 02619 00100
 02558 46 00726 00400
 02570 45 02594 18117
 02582 49 18000 00000
 02594 36 00000 00500 48
 02606 49 00000 00000
 02619 00031
 02684 00005

FINISH RCTY
 WATY FINI
 BC4 T1.0,,, REPEAT PROG IF SW4 ON.
 BNR *+24,MON
 B MONIT
 RNCD,,, READ NEXT PROG IF SW4 OFF
 B 0,,, GO TO LOADER
 FINI DAC 31,DTX03 TYPEWRITER TEST COMPLETE!
 DC 5,0

* COMMON ERROR ROUTINE

02686 46 02938 00100
 02698 47 02734 00300

ERROR BC1 RSET,,, BYPASS ERROR RTN IF SW1 ON
 BNC3 *+36,,, BYPASS HALT IF SW3 OFF

02710 48 00000 00000	H ,,,	DISPLAY IR2 FOR LOC+12 OF ERROR EXIT
02722 49 02938 00000	B RSEV,,,	GO RESET DATA CK INDICATORS
	*	ERROR TYPEOUT SECTION
02734 26 03060 02685	TF OUT44,ERROR-1,,SET EXIT ADR IN TYPEOUT AREA	
02746 34 00000 00102	RCTY	
02758 39 03011 00100	WATY EXT,,,	
02770 38 03056 00100	WNTY OUT,,,	TYPE ADDRESS
	*	TYPE OUT WHICH DATA CK INDICATORS ARE ON
02782 47 02806 00600	BNI *+24,600,,	READ CK
02794 39 03043 00100	WATY RDK	
02806 47 02830 00700	BNI *+24,700,,	WRITE CK
02818 39 03063 00100	WATY WRK	
02830 47 02854 00800	BNI *+24,800,,	MAR CK
02842 39 03077 00100	WATY MRK	
02854 47 02878 01600	BNI *+24,1600,,	MBRE CK
02866 39 03093 00100	WATY BRE	
02878 47 02902 01700	BNI *+24,1700,,	MBRO CK
02890 39 03113 00100	WATY BRO	
02902 47 02926 01900	BNI *+24,1900,,	ANY DATA CK
02914 39 03133 00100	WATY HUH	
02926 42 00000 00000	BB ,,,	RETURN TO PROG
	*	IND RESET IF SW1 OR 3 ON
02938 46 02950 00600	RSET BI *+12,600	
02950 46 02962 00700	BI *+12,700	
02962 46 02974 00800	BI *+12,800	
02974 46 02986 01600	BI *+12,1600	
02986 46 02998 01700	BI *+12,1700	
02998 42 00000 00000	BB ,,,	RETURN TO PROG
03011 00016	EXT DAC 16,ERROR EXIT ADR	
03043 00007	RDK DAC 7, RD CK	
03056 00006	OUT DSC 6,0	
03063 00007	WRK DAC 7, WR CK	
03077 00008	MRK DAC 8, MAR CK	
03093 00010	BRE DAC 10, MBR-E CK	
03113 00010	BRO DAC 10, MBR-O CK	
03133 00033	HUH DAC 33, DATA CK CAUSING ERROR NOT RESET	
03199 00002	RDIN DAC 2,	
03202 00001	LAST DSC 1,0	
00416	DEND ORG	

DT X03 80/80 LIST

360007200500360020100500440001200276260005900274250001100000260009000269 -0000
 26000950026431000000020026001140027425000000011490001200000 -0001
 14677073‡ 1-1-0402-0410 -0002
 -3202‡ 1-1-0410-0415 -0003
 4500440181174918000000003400726001021600441000M9390058500100‡0-1-0416-0476 -0004
 4700500019001702686-048834C000000102390062900100470054801900‡0-1-0476-0536 -0005
 1702686-053634000000010248000000000490072600000‡0-1-0536-0584 -0006
 0368574566594963455900634562630044636770730‡ 1-1-0584-0628 -C007
 02456300544159474955620041630071700041554400797023‡ 1-1-0628-0678 -0008
 034142006263565762004163007575004155440078750‡ 1-1-0678-0724 -0009
 -0‡ 1-1-0724-0726 -0010
 1600725000-0340000000102340000000102390085900100470079801900‡0-1-0726-0786 -0011
 1702686-07864600750002001100725000-11400725000-3470075001300‡0-1-0786-0846 -0012
 490091200000‡ 0-1-0846-0858 -0013
 M1424344454647484951525354555657585962636465666768690‡ 1-1-0858-0912 -0014
 1600725000-0340000000102340000000102390104500100470098401900‡0-1-0912-0972 -0015
 1702686-09724600936002001100725000-11400725000-3470093601300‡0-1-0972-1032 -0016
 490109200000‡ 0-1-1032-1044 -0017
 -0030410131420212324333450707172737475767778790‡ 1-1-1044-1092 -0018
 1600725000-0340000000102340000000102380122400100470116401900‡0-1-1092-1152 -0019
 1702686-11524601116002001100725000-11400725000-3470111601300‡0-1-1152-1212 -0020
 490123600000‡ 0-1-1212-1224 -0021
 0123456789‡ 1-1-1224-1234 -0022
 †‡ -7-1234-1235 -0023
 ‡ 1-1-1235-1236 -0024
 1600725000-0311998801380340000000102340000000102351998800100‡0-1-1236-1296 -0025
 4701320019001702686-13084601272002001100725000-11400725000-3‡0-1-1296-1356 -0026
 47012720130049013920000‡ 0-1-1356-1380 -0027
 -JKLMNOPQR‡ 1-1-1380-1390 -0028
 †‡ -7-1390-1391 -0029
 ‡ 1-1-1391-1392 -0030
 1600725000-03400000001023400000001023901585001003400000000108‡0-1-1392-1452 -0031
 4701476019001702686-1464390160300100340000000102470152401900‡0-1-1452-1512 -0032
 1702686-15124601428002001100725000-11400725000-3470142801300‡0-1-1512-1572 -0033
 490163400000‡ 0-1-1572-1584 -0034
 03414264534163450‡ 1-1-1584-1602 -0035
 N945636459550043415959494147450‡ 1-1-1602-1634 -0036
 1600725000-03400000001023400000001023400000001083400000000108‡0-1-1634-1694 -0037
 3801790001004701730019C01702686-17184601658002001100725000-1‡0-1-1694-1754 -0038
 1400725000-34701658v13C0490180200000‡ 0-1-1754-1790 -0039
 0123456789‡ 1-1-1790-1801 -0040
 1600725000-034000000010234000000102390195900100340000000101‡0-1-1802-1862 -0041
 3400000001014701898019001702686-18864601838002001100725000-1‡0-1-1862-1922 -0042
 1400725000-5470183801300490253400000‡ 0-1-1922-1958 -0043
 02574143450063664943450‡ 1-1-1958-1982 -0044
 340000000102390216300100340000000102370319900100470205401900‡0-1-1982-2042 -0045
 1702686-20424601982002C0340000000102390319900100470211401900‡0-1-2042-2102 -0046
 1702686-21024602066002C046019820040048000000000490198200000‡0-1-2102-2162 -0047
 N245680049550041535748410v59454356594423634559549‡ 1-1-2162-2212 -0048
 5541634500664963480059454356594400544159520‡ 1-1-2212-2256 -0049
 340000000102390243700100340000000102360319900100470232801900‡0-1-2256-2316 -0050
 1702686-23164602256002C0340000000102380319900100470238801900‡0-1-2316-2376 -0051
 1702686-23764602340002004602256004004800000000490225600000‡0-1-2376-2436 -0052
 N2456800495500556454455949430059454356594423634559‡ 1-1-2436-2486 -0053
 54495541634500664963480059454356594400544159520‡ 1-1-2486-2534 -0054
 340000000102390261900100460072600400450259418117491800000000‡0-1-2534-2594 -0055
 360000000500490000000000‡ 0-1-2594-2618 -0056
 M4636770730063685745665949634559006345626300435654‡ 1-1-2618-2668 -0057

57534563450†	1-1-2668-2680 -0058
-0000†	1-1-2680-2685 -0059
46029380010047027340030048000000000490293800000260306002685†0-1-2686-2746 -0060	
34000000102390301100100380305600100470280600600390304300100†0-1-2746-2806 -0061	
470283000700390306300100470285400800390307700100470287801600†0-1-2806-2866 -0062	
390304300100470290201700390311300100470292601900390313300100†0-1-2866-2926 -0063	
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