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						

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 on 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

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 if 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

.)+$*-/,(=@-0123456789
.)+$*-/,(=@-0123456789
.)+$*-/,(=@-0123456789

0123456789@
0123456789@
0123456789@

0123456789@‡
0123456789@‡
0123456789@‡

TABULATE   RETURN CARRIAGE
TABULATE   RETURN CARRIAGE
TABULATE   RETURN CARRIAGE

6789

6789

6789

SPACE TWICE   SPACE TWICE   SPACE TWICE   SPACE TWICE   SPACE TWICE
DTX03 TYPEWRITER TEST COMPLETE
4901982RS
KEY IN ALPHA RECORD, TERMINATE WITH RECORD MARK
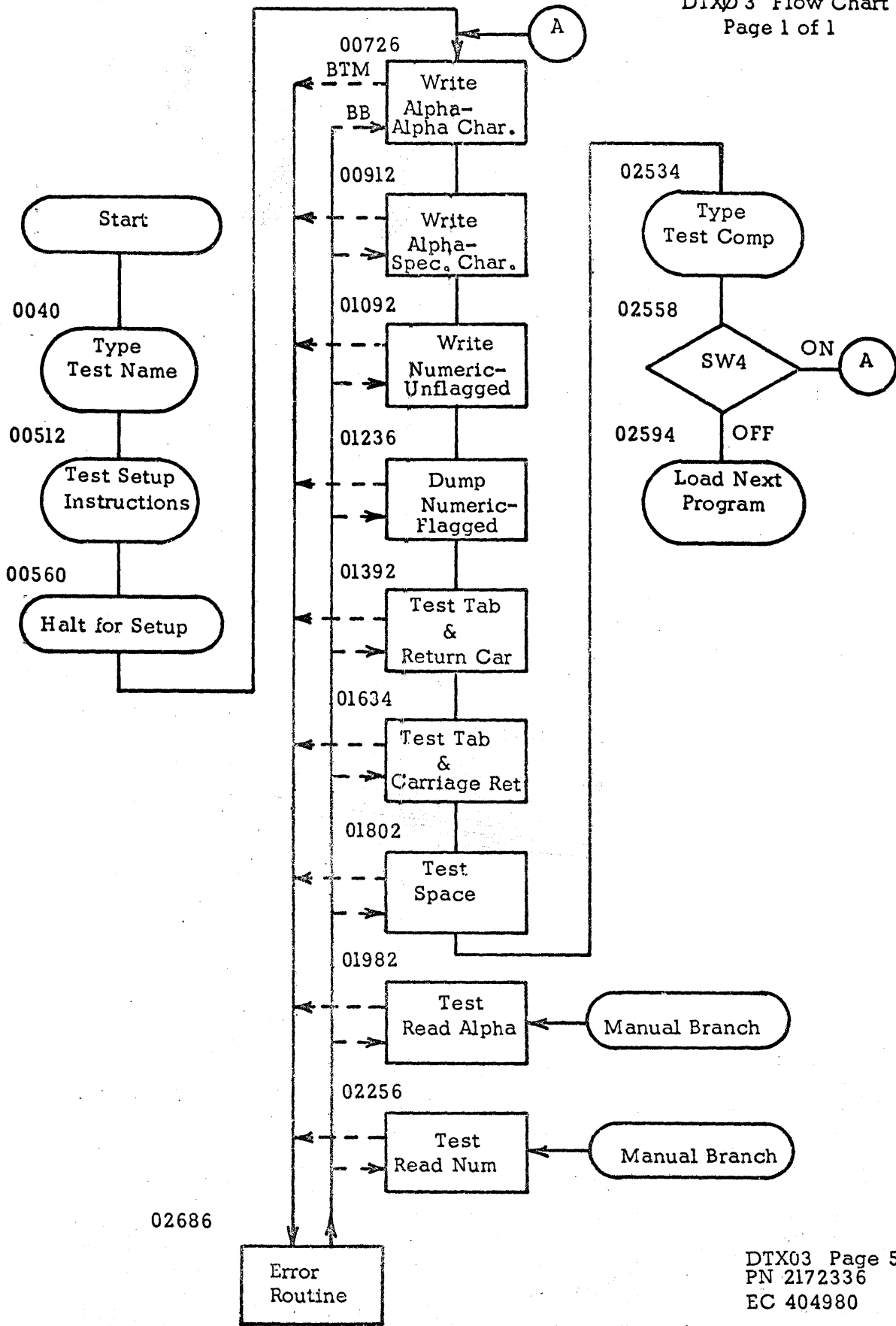ABCDEFGHIJKLMNOPQRSTUVWXYZU10JKLM,.+$-/@()≠RS
ABCDEFGHIJKLMNOPQRSTUVWXYZU10JKLM,.+$-/@()

4902256RS
KEY IN NUMERIC RECORD, TERMINATE WITH RECORD MARK
12345678912345678900@≠RS
12345678912345678900@

```
                                              ┌──── A
                                              │
                        00726     ┌────────────┐
                        BTM  ◄─ ─ │   Write    │
                                  │   Alpha-   │
                        BB   ─ ─► │ Alpha Char.│
                                  └────────────┘
 ┌──────────────┐       00912     ┌────────────┐                    ┌──────────────┐
 │    Start     │            ◄─ ─ │   Write    │            02534   │    Type      │
 └──────────────┘                 │   Alpha-   │                    │  Test Comp   │
                            ─ ─►   │ Spec. Char.│                    └──────────────┘
 0040   ┌──────────┐   01092       └────────────┐                   02558      │
        │   Type   │          ◄─ ─ │   Write    │                          ◄──────── ON ──── A
        │Test Name │               │ Numeric-   │                        ◇ SW4 ◇
        └──────────┘          ─ ─► │ Unflagged  │                   02594    │  OFF
                                   └────────────┘                   ┌──────────────┐
 00512  ┌──────────┐   01236       ┌────────────┐                   │  Load Next   │
        │Test Setup│          ◄─ ─ │   Dump     │                   │   Program    │
        │Instructions│             │ Numeric-   │                   └──────────────┘
        └──────────┘          ─ ─► │  Flagged   │
                                   └────────────┘
 00560  ┌──────────┐   01392       ┌────────────┐
        │  Halt for│          ◄─ ─ │  Test Tab  │
        │   Setup  │               │     &      │
        └──────────┘          ─ ─► │ Return Car │
                                   └────────────┘
                       01634       ┌────────────┐
                              ◄─ ─ │  Test Tab  │
                                   │     &      │
                              ─ ─► │Carriage Ret│
                                   └────────────┘
                       01802       ┌────────────┐
                              ◄─ ─ │   Test     │
                                   │   Space    │
                              ─ ─► │            │
                                   └────────────┘
                       01982       ┌────────────┐          ┌──────────────┐
                              ◄─ ─ │   Test     │     ◄─── │Manual Branch │
                                   │ Read Alpha │          └──────────────┘
                              ─ ─► │            │
                                   └────────────┘
                       02256       ┌────────────┐          ┌──────────────┐
                              ◄─ ─ │   Test     │     ◄─── │Manual Branch │
                                   │ Read Num   │          └──────────────┘
                              ─ ─► │            │
                                   └────────────┘
 02686      ┌──────────┐
            │  Error   │
            │ Routine  │
            └──────────┘
```

```
                               *                    DTX03
                               *             1620-1 TYPEWRITER TEST
                               *
00402                                    DORG  402
18000        00000             MONIT     DS    ,18000
18117        00000             MON       DS    ,18117
00403        00004             NAME      DAC   4,DX03,
00414        00005 -3202                 DSA   LAST
00416 45 00440 18117           ORG       BNR   *+24,MON
00428 49 18000 00000                     B     MONIT
00440 34 00726 00102           START     RCTY  T1.0
00452 16 00441 000M9                     TFM   *-11,49,10
00464 39 00585 00100                     WATY  IDEN,,,        TYPE TEST NAME
00476 47 00500 01900                     BNA   *+24,,,        TEST ANY DATA CHECK
00488 17 02686 -0488                     BTM   ERROR,*,,      GO TO ERROR ROUTINE
00500 34 00000 00102                     RCTY
00512 39 00629 00100                     WATY  INST,,,        TYPE INSTRUCTIONS
00524 47 00548 01900                     BNA   *+24,,,        TEST ANY DATA CK
00536 17 02686 -0536                     BTM   ERROR,*,,      GO TO ERROR ROUTINE
00548 34 00000 00102                     RCTY
00560 48 00000 00000                     H     ,,,            HALT TO ALLOW TAB SETTING
00572 49 00726 00000                     B     T1.0,,,        GO TO FIRST TEST
                               *
00585        00022             IDEN      DAC   22,TYPEWRITER TEST DTX03'
00629        00025             INST      DAC   25,SET MARGINS AT 10 AND 90,
00679        00023                       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           T1.0      TFM   COUNT,0,10,    RESET PASS COUNT TO 0
00738 34 00000 00102                     RCTY
00750 34 00000 00102                     RCTY
00762 39 00859 00100                     WATY  K1.0,,,        TYPE FIRST PATTERN
00774 47 00798 01900                     BNA   *+24,,,        TEST ANY DATA CK
00786 17 02686 -0786                     BTM   ERROR,*,,      GO TO ERROR ROUTINE
00798 46 00750 00200                     BC2   T1.0+24,,,     LOOP IF SW2 ON
00810 11 00725 000-1                     AM    COUNT,1,10,    UPDATE PASS COUNT
00822 14 00725 000-3                     CM    COUNT,3,10,    SEE IF 3 LINES TYPED
00834 47 00750 01300                     BL    T1.0+24,,,     GO TYPE ANOTHER LINE
00846 49 00912 00000                     B     T2.0,,,        GO TO NEXT TEST
                               *
00859        00027             K1.0      DAC   27,ABCDEFGHIJKLMNOPQRSTUVWXYZ'
                               *
                               *
                               *          THIS ROUTINE WRITES ALL NUMERALS AND
                               *          SPECIAL CHARACTERS 3 TIMES IN ALPHA MODE.
                               *
00912 16 00725 000-0           T2.0      TFM   COUNT,0,10,    RESET PASS COUNT TO 0
00924 34 00000 00102                     RCTY
00936 34 00000 00102                     RCTY
00948 39 01045 00100                     WATY  K2.0,,,        TYPE TEST PATTERN
00960 47 00984 01900                     BNA   *+24,,,        TEST ANY DATA CK
00972 17 02686 -0972                     BTM   ERROR,*,,      GO TO ERROR ROUTINE
00984 46 00936 00200                     BC2   T2.0+24,,,     LOOP IF SW2 ON
00996 11 00725 000-1                     AM    COUNT,1,10,    UPDATE PASS COUNT
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01008 14 00725 000-3              CM    COUNT,3,10,      SEE IF 3 LINES TYPED
01020 47 00936 01300              BL    T2.0+24,,,       GO TYPE ANOTHER LINE
01032 49 01092 00000              B     T3.0,,,          GO TO NEXT TEST
                           *
01045    00024              K2.0  DAC   24, .)+$*-/,(='-0123456789'
                           *
                           *          THIS ROUTINE WILL TYPE 3 LINES OF
                           *          UNFLAGGED NUMERIC CHARACTERS.
                           *
01092 16 00725 000-0        T3.0  TFM   COUNT,0,10,      RESET PASS COUNT TO 0
01104 34 00000 00102              RCTY
01116 34 00000 00102              RCTY
01128 38 01224 00100              WNTY  K3.0,,,          TYPE TEST PATTERN
01140 47 01164 01900              BNA   *+24,,,          TEST ANY DATA CK
01152 17 02686 -1152              BTM   ERROR,*,,        GO TO ERROR ROUTINE
01164 46 01116 00200              BC2   T3.0+24,,,       LOOP IF SW2 ON
01176 11 00725 000-1              AM    COUNT,1,10,      UP DATE PASS COUNT
01188 14 00725 000-3              CM    COUNT,3,10,      SEE IF 3 LINES TYPED
01200 47 01116 01300              BL    T3.0+24,,,       GO TYPE ANOTHER LINE
01212 49 01236 00000              B     T4.0,,,          GO TO NEXT TEST
                           *
01224    00010              K3.0  DSC   10,0123456789
01234    00001                    DNB   1,,,             8-4 CHAR
01235    00001                    DC    1,',,            RECORD MARK
                           *
                           *
                           *          THIS ROUTINE TYPES 3 LINES OF FLAGGED NUMERIC
                           *          CHARACTERS USING DUMP NUMERIC INSTRUCTION.
                           *
01236 16 00725 000-0        T4.0  TFM   COUNT,0,10,      RESET PASS COUNT TO 0
01248 31 19988 01380              TR    19988,K4.0,,     SET UP DATA FIELD
01260 34 00000 00102              RCTY
01272 34 00000 00102              RCTY
01284 35 19988 00100              DNTY  19988,,,         TYPE TEST PATTERN
01296 47 01320 01900              BNA   *+24,,,          TEST ANY DATA CK
01308 17 02686 -1308              BTM   ERROR,*,,        GO TO ERROR ROUTINE
01320 46 01272 00200              BC2   T4.0+36,,,       LOOP IF SW2 ON
01332 11 00725 000-1              AM    COUNT,1,10,      UPDATE PASS COUNT
01344 14 00725 000-3              CM    COUNT,3,10,      SEE IF 3 LINES TYPED
01356 47 01272 01300              BL    T4.0+36,,,       GO TYPE ANOTHER LINE
01368 49 01392 00000              B     T5.0,,,          GO TO NEXT TEST
                           *
01380    00001              K4.0  DC    1,-0
01382    00002                    DC    2,-12
01384    00002                    DC    2,-34
01386    00002                    DC    2,-56
01388    00002                    DC    2,-78
01389    00001                    DC    1,-9
01390    00001                    DNB   1,,,             8-4 CHAR
01391    00001                    DC    1,',,            RECORD MARK
                           *
                           *
                           *          THIS ROUTINE TESTS THE TABULATE AND
                           *          RETURN CARRIAGE OPERATIONS.
01392 16 00725 000-0        T5.0  TFM   COUNT,0,10,      RESET PASS COUNT TO ZERO
01404 34 00000 00102              RCTY
01416 34 00000 00102              RCTY
01428 39 01585 00100              WATY  K5.0,,,          TYPE TABULATE
01440 34 00000 00108              TBTY  ,,,              TAB TO 45
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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 0C000 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 0C000 00102          RCTY
01826 34 00000 00102          RCTY
01838 39 01959 00100          WATY K7.0,,,        TYPE-SPACE TWICE
01850 34 00000 00101          SPTY
01862 34 0C000 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        T8.0   RCTY
01994 39 02163 00100               WATY  INST2,,,        TYPE INSTRUCTIONS
02006 34 00000 00102               RCTY
02018 37 03199 00100               RATY  RDIN,,,         READ IN RECORD
02030 47 02054 01900               BNA   *+24,,,         TEST ANY DATA CK
02042 17 02686 -2042               BTM   ERROR,*,,       GO TO ERROR ROUTINE
02054 46 01982 00200               BC2   T8.0,,,         LOOP IN READ SECTION
02066 34 00000 00102               RCTY
02078 39 03199 00100               WATY  RDIN,,,         TYPE SAME RECORD OUT
02090 47 02114 01900               BNA   *+24,,,         TEST ANY DATA CK
02102 17 02686 -2102               BTM   ERROR,*,,       GC TO ERROR ROUTINE
02114 46 02066 00200               BC2   *-48,,,         LOOP IN WRITE SECTION
02126 46 01982 00400               BC4   T8.0,,,         LCOP IN ROUTINE IF SW4 ON
02138 48 00000 00000               H
02150 49 01982 00000               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        T9.0   RCTY
02268 39 02437 00100               WATY  INST3,,,        TYPE INSTRUCTIONS
02280 34 00000 00102               RCTY
02292 36 03199 00100               RNTY  RDIN,,,         READ IN RECORD
02304 47 02328 01900               BNA   *+24,,,         TEST ANY DATA CK
02316 17 02686 -2316               BTM   ERROR,*,,       GO TO ERROR ROUTINE
02328 46 02256 00200               BC2   T9.0,,,         LCOP IN READ SECTION
02340 34 00000 00102               RCTY
02352 38 03199 00100               WNTY  RDIN,,,         TYPE SAME RECORD OUT
02364 47 02388 01900               BNA   *+24,,,         TEST ANY DATA CK
02376 17 02686 -2376               BTM   ERROR,*,,       GO TO ERROR ROUTINE
02388 46 02340 00200               BC2   *-48,,,         LCOP IN WRITE SECTION
02400 46 02256 00400               BC4   T9.0,,,         LOCP IN ROUTINE
02412 48 00000 00000               H
02424 49 02256 00000               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        FINISH RCTY
02546 39 02619 00100               WATY  FINI
02558 46 00726 00400               BC4   T1.0,,,         REPEAT PROG IF SW4 ON
02570 45 02594 18117               BNR   *+24,MON
02582 49 18000 00000               B     MONIT
02594 36 00000 00500               RNCD  ,,,             READ NEXT PROG IF SW4 OFF
02606 49 00000 00000               B     0,,,            GC TO LOADER
02619    00031              FINI   DAC   31,DTX03 TYPEWRITER TEST COMPLETE'
02684    00005                     DC    5,0
                                   *
                                   *
                                   *     COMMON ERROR ROUTINE
02686 46 02938 00100        ERROR  BC1   RSET,,,         BYPASS ERROR RTN IF SW1 ON
02698 47 02734 00300               BNC3  *+36,,,         BYPASS HALT IF SW3 OFF
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02710 48 00000 00000              H    ,,,            DISPLAY IR2 FOR LOC+12 OF ERROR EXIT
02722 49 02938 00000              B    RSET,,,        GO RESET DATA CK INDICATORS
                           *            ERROR TYPEOUT SECTION
02734 26 03060 02685              TF   OUT+4,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
```

```
360007200500360020100500440001200276260005900274250001100000260009000269       -0000
260009500264310000000200260011400274250000000011490001200000                   -0001
M4677073‡                                                        1-1-0402-0410  -0002
-3202‡                                                           1-1-0410-0415  -0003
45004401811749180000000003400726001021600441000M9390058500100‡0-1-0416-0476  -0004
47050001900170268b-04883400000001023900629001004700548019007‡0-1-0476-0536  -0005
1702686-0536340000000102480000000000490072600000‡              0-1-0536-0584  -0006
0368574566594963455900634562630044636770730‡                  1-1-0584-0628  -0007
024563005441594749556200416300717000415544007970237‡          1-1-0628-0678  -0008
034142006263565762004163007575004155440078750‡                1-1-0678-0724  -0009
-0‡                                                             1-1-0724-0726  -0010
1600725000-0340000000102340000000010239008590010047007980190‡0-1-0726-0786  -0011
1702686-078646007500020011007250000-11400725000-34700750013007‡0-1-0786-0846  -0012
490091200000‡                                                  0-1-0846-0858  -0013
M142434445464748495152535455565758596263646566676869‡         1-1-0858-0912  -0014
1600725000-034000000010234000000010239010450010047009840190‡0-1-0912-0972  -0015
1702686-097246009360020011007250000-11400725000-34700936013007‡0-1-0972-1032  -0016
490109200000‡                                                  0-1-1032-1044  -0017
-0030410131420212324333450707172737475767778790‡              1-1-1044-1092  -0018
1600725000-034000000010234000000010238012240010047011640190‡C-1-1092-1152  -0019
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