P855

Cassette K7

Programmed channel under inhibit


```
                                                                ASM 02
00000           IDENT   K7INH
                *
                *       THIS PROGRAM IS A TEST FOR THE CASSETTE DRIVE.
                *       BEFORE THE PROGRAM IS STARTED,THE LENGTH OF THE DATA-BLOCK
                *       SHOULD BE LOADED IN REGISTER A8.
                *
                *       A1 : COMMAND.
                *       A2 : STATUS.
                *       A4 : DATA.
                *       A7 : EXCLUSIVE-OR./
                *       A8 : LENGTH.
                *       A3 AND A6 ARE USED FOR GENERAL PURPOSE.
                *
                *       THE HALT AFTER EVERY ACTION CAN BE REPLACED BY A BACKWARD BRANCH.
                *
                * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

START : /100
INT. LEVEL 05
MASK BIT 11
ADDRESS 06

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                                EJECT
0000  208F      START           INH
0002  0100                      LDK     A1,0
0004  41C6                      CIO     A1,1,6          LOCK
0006  4AC6                      SST     A2,6
0008  5C04                      RB(4)   *-2
000A  207F                      HLT
000C  0108      BACK            LDK     A1,8
000E  41C6                      CIO     A1,1,6          REWIND.
0010  4B86                      TST     A3,6
0012  1300                      ADK     A3,0
0014  5102                      RF(1)   *+4                     TST NOT CORRECT.
0016  207F                      HLT
0018  4AC6                      SST     A2,6
001A  5C04                      RB(4)   *-2
001C  207F                      HLT
001E  0103                      LDK     A1,3            FORWARD SPACE.
0020  41C6                      CIO     A1,1,6
0022  4AC6                      SST     A2,6
0024  5C04                      RB(4)   *-2
0026  207F                      HLT
0028  0102                      LDK     A1,2            BACKWARD SPACE.
002A  41C6                      CIO     A1,1,6
002C  4AC6                      SST     A2,6
002E  5C04                      RB(4)   *-2
0030  207F                      HLT
0032  0101                      LDK     A1,1            ERASE FORWARD.
0034  41C6                      CIO     A1,1,6
0036  4AC6                      SST     A2,6
0038  5C04                      RB(4)   *-2
003A  207F                      HLT
003C  0105                      LDK     A1,5            WRITE
003E  41C6                      CIO     A1,1,6          TAPE-MARK.
0040  0300                      LDK     A3,0
0042  4306                      OTR     A3,0,6
0044  5C04                      RB(4)   *-2
0046  4186                      CIO     A1,0,6
0048  4AC6                      SST     A2,6
004A  5C04                      RB(4)   *-2
004C  207F                      HLT
004E  0700                      LDK     A7,0
0050  8602                      LDR     A6,A8
0052  0105                      LDK     A1,5            WRITE DATA BLOCK.
0054  41C6                      CIO     A1,1,6
0056  4406                      OTR     A4,0,6
0058  5C04                      RB(4)   *-2
005A  8710                      XRR     A7,A4           A7 - LRC char.
005C  1401                      ADK     A4,1
005E  1E01                      SUK     A6,1
0060  5C0C                      RB(4)   *-10
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A7 = LRC char.

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00066  0062  4706          OTR     A7,0,6
00067  0064  5C04          RB(4)   *-2
00068  0066  4186          CIO     A1,0,6
00069  0068  4AC6          SST     A2,6
00070  006A  5C04          RB(4)   *-2
00071  006C  207F          HLT
00072  006E  010A          LDK     A1,10                SEARCH TAPE-MARK BACKWARD.
00073  0070  41C6          CIO     A1,1,6
00074  0072  4AC6          SST     A2,6
00075  0074  5C04          RB(4)   *-2
00076  0076  207F          HLT
00077  0078  010B          LDK     A1,11                SEARCH TAPE-MARK FORWARD.
00078  007A  41C6          CIO     A1,1,6
00079  007C  4AC6          SST     A2,6
00080  007E  5C04          RB(4)   *-2
00081  0080  207F          HLT
00082  0082  0700          LDK     A7,0
00083  0084  8502          LDR     A6,A6
00084  0086  0107          LDK     A1,7                 READ DATA BLOCK.
00085  0088  41C6          CIO     A1,1,6
00086  008A  4B06          INR     A3,0,6
00087  008C  5C04          RB(4)   *-2
00088  008E  840C          LDR     A4,A3
00089  0090  870C          XRR     A7,A3
00090  0092  1E01          SUK     A6,1
00091  0094  5C0C          RB(4)   *-10
00092  0096  4B06          INR     A3,0,6
00093  0098  5C04          RB(4)   *-2
00094  009A  4186          CIO     A1,0,6
00095  009C  EB1C          CWR     A3,A7
00096  009E  5002          RF(0)   *+4
00097  00A0  207F          HLT                          CHECK SUM ERROR.
00098  00A2  4AC6          SST     A2,6
00099  00A4  5C04          RB(4)   *-2
00100  00A6  207F          HLT
00101                  *
00102                  *   HERE THE STATUS WORD CAN BE CHECKED IN A2.
00103                  *   IF A PARITY ERROR IS INDICATED IN A2, REGISTER A3 INDICATES
00104                  *   WHAT THE CHECKWORD IS AND REGISTER A7 INDICATES WHAT THE CHECKWORD
00105                  *   SHOULD BE.
00106  00AB  8F20          ABL     BACK
       00AA  030C  R
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        EJECT
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
*
*                 STATUS CONFIGURATION :
*
*       BIT 15 : NOT OPERABLE.
*       BIT 14 : THROUGHPUT ERROR.
*       BIT 13 : PARITY ERROR.
*       BIT 12 : INCORRECT LENGTH.
*       BIT 11 : PROGRAM ERROR.
*       BIT 10 : END OR BEGINNING OF TAPE.
*       BIT 8 + 9 : DEVICE ADDRESS.
*       BIT 7 : A OR B SIDE.
*       BIT 6 : WRITE UNABLE.
*       BIT 2 + 4 + 5 ARE RESERVED.
*       BIT 3 : TAPE MARK HAS BEEN READ.
*       BIT 1 : HAS BEEN UNREADY.
*
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
        END
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