```
BOOTSTRAP          ,008047/047046              BOOTSTRAP L038038,054061,068072,0010401040                1
CLEAR STORAGE      /099H166B163200R1,001/001199     CLEAR L038200,167171,179180,184191B163           2
BOOTSTRAP          ,008047/047046              BOOTSTRAP L038038,054061,068072,0010401040                3

                          CONVERT ADDRESS IN AUTOCODER LISTING                                 PAGE    1

 SEQ PG LIN  LABEL  OP    OPERANDS                                     SFX CT  LOCN  INSTRUCTION TYPE  CARD

 101         000    JOB   CONVERT ADDRESS IN AUTOCODER LISTING
 103                ORG   5000                                                      5000
 104         CT     EQU   7                                                  0007
                    BCE   *+5,326,}                                        8  5000  B '1S 326 } GMARK    4
 106                B     NOGM                                             4  5008  B '3/                4
                    BCE   *+5,303,}            Q. GROUP MARK IN O. MODIFIER 8  5012  B '2U 303 } GMARK    4
 108                B     NOGM                                             4  5020  B '3/                4
 109                MLC   @GMARK@,327                                      7  5024  M T0X 327            4
 110         NOGM   C     CT,@3@               Q. A ADDRESS                7  5031  C 007 T0Y            4
 111                BH    EXIT                                             5  5038  B '9Z U              5
 112                BCE   AODD,295,%           A ADD NOT TO BE CONVERTED   8  5043  B '6Z 295 %          5
 113                MLC   297,DECODE                                       7  5051  M 297 T3/            5
 114                B     CNVRT                                            4  5058  B /1/                5
 115                MLC   RSLT,312                                         7  5062  M T2V 312            5
 116         AODD   C     CT,@7@               Q. B ADDRESS                7  5069  C 007 T0Z            5
 117                BH    EXIT                                             5  5076  B '9Z U              6
 118                MLC   301,DECODE                                       7  5081  M 301 T3/            6
 119                B     CNVRT                                            4  5088  B /1/                6
 120                MLC   RSLT,321                                         7  5092  M T2V 321            6
 121         EXIT   BCE   1637,293,            Q. BLANK OP, B BADOP        8  5099  B W37 293            6
 122                B     1156                          B SETLIT           4  5107  B /56                6
 123         *
 124         * DECODE 3 CHAR ADDR TO 5 CHAR AND INDEX REG
 125         *    3 CHAR ADDR IN DECODE
 126         *    8 CHAR RESULT IN RSLT
 127         *
 128         CNVRT  SBR   CNVRTX+3             STORE EXIT                  4  5111  H T0S                7
 129                MLC   BK8#8,RSLT#8         SET RSLT TO BLANKS          7  5115  M T1X T2V            7
 130                BCE   CNVRTX,DECODE-1,#    Q. NO ADDRESS               8  5122  B S9Z T3' #          7
 131                BWZ   NOIX,DECODE-1,2      Q. ANY INDEX REG            8  5130  V /8S T3' 2          7
 132                MLC   @*X0@,RSLT                                       7  5138  M T2Y T2V            7
 133                BWZ   HX1,DECODE-1,S       Q. X1?                      8  5145  V /7V T3' S          7
 134                BWZ   HX2,DECODE-1,K       Q. X2?                      8  5153  V /6Y T3' K          8
 135                A     *-6,RSLT                                         7  5161  A /6/ T2V            8
 136         HX2    A     *-6,RSLT                                         7  5168  A /6Y T2V            8
 137         HX1    A     *-6,RSLT                                         7  5175  A /7V T2V            8
 138         NOIX   MN    DECODE#3,RSLT-3      MOVE HUNDREDS DIGITS        7  5182  D T3/ T2S            8
 139                MN                                                     1  5189  D                    8
 140                MN                                                     1  5190  D                    8
 141                ZA    THOU#3                                           4  5191  ? T3U                9
 142                BWZ   THOU4,DECODE,2,2     TEST FOR 1-2-3 THOUSAND     8  5195  V S4' T3/ 2          9
 143                BWZ   T1,DECODE-2,S                                    8  5203  V S3T T2Z S          9
 144                BWZ   T2,DECODE-2,K                                    8  5211  V S2W T2Z K          9
 145         T3     A     *-6,THOU-1                                       7  5219  A S1Z T3T            9
 146         T2     A     *-6,THOU-1                                       7  5226  A S2W T3T           10


                          CONVERT ADDRESS IN AUTOCODER LISTING                                 PAGE    2

 SEQ PG LIN  LABEL  OP    OPERANDS                                     SFX CT  LOCN  INSTRUCTION TYPE  CARD

 147         T1     A     *-6,THOU-1                                       7  5233  A S3T T3T           10
 148         THOU4  BWZ   NO12,DECODE,2        TEST FOR 4-8-12 THOUSAND    8  5240  V S8V T3/ 2         10
 149                BWZ   T4,DECODE,S                                      8  5248  V S7Y T3/ S         10
 150                BWZ   T8,DECODE,K                                      8  5256  V S7/ T3/ K         10
 151         T12    A     NOIX,THOU-1                                      7  5264  A /8S T3T           11
 152         T8     A     NOIX,THOU-1                                      7  5271  A /8S T3T           11
 153         T4     A     NOIX,THOU-1                                      7  5278  A /8S T3T           11
 154         NO12   MCS   THOU-1,TMP3#3                                    7  5285  Z T3T T3X           11
 155                MLC   TMP3,RSLT-6                                      7  5292  M T3X T1Z           11
 156         CNVRTX B     *                                                4  5299  B T0S               12
 157                LTORG *                                                         5303
                    DCW   @GMARK@                                          5  5307             LIT     12
                    DCW   @3@                                              1  5308             LIT     12
                    DCW   @7@                                              1  5309             LIT     12
             BK8    DCW   #08                                              8  5317             AREA    12
             RSLT   DCW   #08                                              8  5325             AREA    12
                    DCW   @*X0@                                            3  5328             LIT     12
             DECODE DCW   #03                                              3  5331             AREA    12
             THOU   DCW   #03                                              3  5334             AREA    13
             TMP3   DCW   #03                                              3  5337             AREA    13
 167         *
 168         * ALTERNATIVE MAIN LINE
 169         *
 170                ORG   NOGM                                                      5031
 171         XNOGM  BCE   EXIT,297,            Q. NO A ADDRESS             8  5031  B '9Z 297           14
 172                BCE   XAODD,295,%          A ADD NOT TO BE CONVERTED   8  5039  B '6V 295 %         14
 173                MLC   297,DECODE                                       7  5047  M 297 T3/           14
 174                B     CNVRT                                            4  5054  B /1/               14
 175                MLC   RSLT,312                                         7  5058  M T2V 312           14
 176         XAODD  BCE   EXIT,301,            Q. NO B ADDRESS             8  5065  B '9Z 301           15
 177                MLC   301,DECODE                                       7  5073  M 301 T3/           15
 178                B     CNVRT                                            4  5080  B /1/               15
 179                MLC   RSLT,321                                         7  5084  M T2V 321           15
 180                END   0                                                         / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
AODD	5069	BK8	5317	CNVRT	5111	CNVRTX	5299	CT	7	DECODE	5331	EXIT	5099
HX1	5175	HX2	5168	NO12	5285	NOGM	5031	NOIX	5182	RSLT	5325	T1	5233
T12	5264	T2	5226	T3	5219	T4	5278	T8	5271	THOU	5334	THOU4	5240
TMP3	5337	XAODD	5065										