```
CLEAR STORAGE 1     ,008015,022026,030037,044,049,053053N000000N00001026                                    1
CLEAR STORAGE 2     L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0?                  2
BOOTSTRAP           ,008015,022029,036040,047054,061068,072/061039             ,0010011040                  3

                          FORTRAN COMPILER -- STOP/PAUSE PHASE -- PHASE 42                          PAGE    1

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

 101               JOB   FORTRAN COMPILER -- STOP/PAUSE PHASE -- PHASE 42
 102               CTL   6611
 103         *
 104         * THE PROPER INSTRUCTIONS TO
 105         * 1. HALT
 106         * 2. HALT, CONTINUE, AND DISPLAY THE NUMBER INDICATED
 107         * ARE GENERATED IN-LINE
 108         *
 109         X1     EQU   89                                                        0089
 110         X2     EQU   94                                                        0094
 111         X3     EQU   99                                                        0099
 112         *
 113         * STUFF IN THE RESIDENT AREA
 114         *
 115         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                        0110
 116         SNAPSH EQU   333  CORE DUMP SNAPSHOT                                  0333
 117         LOADNX EQU   700  LOAD NEXT OVERLAY                                   0700
 118         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                       0707
 119         CDOVLY EQU   769  1 IF RUNNING FROM CARDS, N IF FROM TAPE             0769
 120         *
 121               ORG   838                                                             0838
 122         LOADDD EQU   *&1          LOAD ADDRESS                                0838
 123    838  BEGINN CS    299                                                   4  0838  / 299                4
 124    842  LOOP   BCE   DONE,0&X1,                                           8  0842  B 873 0|0            4
 125    850         MCW   0&X1,CODSEQ                                         7  0850  M 0|0 W02            4
 126    857         BCE   STOPPZ,CODSEQ-3,A  PAUSE STATMENT?                  8  0857  B 896 V99 A          4
 127    865         BCE   STOPPZ,CODSEQ-3,S  STOP STATEMENT?                  8  0865  B 896 V99 S          4
 128    873  DONE   BSS   SNAPSH,C                                            5  0873  B 333 C              5
 129    878         SBR   CLEARL&3,GMWM                                       7  0878  H 710 W61            5
 130    885         LCA   LIGHT,PHASID                                        7  0885  L W07 110            5
 131    892         B     LOADNX                                              4  0892  B 700                5
 132         *
 133         * STOP OR PAUSE STATEMENT
 134         *
 135    896  STOPPZ MCW   KLESS,2&X1                                           7  0896  M W08 0|2            5
 136    903         SBR   TSTLES&6,2&X1                                       7  0903  H S58 0|2            5
 137    910         LCA   0&X1,0&X3  SEQNO, CODE, GMWM                        7  0910  L 0|0 0?0            6
 138    917         SAR   X1                                                  4  0917  Q 089                6
 139    921         C     0&X3                                                4  0921  C 0?0                6
 140    925         SAR   X3                                                  4  0925  Q 099                6
 141    929         LCA   1&X3,2&X3  CLOBBER STATEMENT CODE WITH GMWM          7  0929  L 0?1 0?2            6
 142    936         SBR   X3                                                  4  0936  H 099                6
 143    940         BCE   NOCODE,0&X1,}                                       8  0940  B |69 0|0 } GMARK    6
 144    948         CS    WORK                                                4  0948  / V98                7
 145    952         MN    WRKBOT                                              4  0952  D V00                7
 146    956         MN                                                        1  0956  D                    7
 147    957         SAR   X2                                                  4  0957  Q 094                7
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SEQ PG LIN  LABEL   OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
148    961          SBR   X1,0&X1                                             7  0961  H 089 0|0            7
149          *
150          * MOVE THE STOP CODE INTO THE WORK AREA
151          *
152    968   MOVCOD MCW   0&X1,W1                                              7  0968  M 0|0 W09           7
153    975          SAR   X1                                                  4  0975  Q 089               7
154    979          BW    GOTWM,1&X1                                          8  0979  V |02 0|1 1        8
155    987          MCW   W1,2&X2                                             7  0987  M W09 0!2           8
156    994          SBR   X2                                                  4  0994  H 094               8
157    998          B     MOVCOD                                              4  0998  B 968               8
158          *
159  1 002   GOTWM  SW    WRKBOT                                              4  1002  , V00               8
160  1 006          BCE   TWOTST,WRKBOT&3,  ONE, TWO OR THREE DIGITS?         8  1006  B |42 V03           8
161  1 014          MCW   ERR35,222                                           7  1014  M T15 222           9
162  1 021          MCW   MSG,247                                             7  1021  M T33 247           9
163  1 028          MCW   WRKBOT&4,228                                        7  1028  M V04 228           9
164  1 035          MCW   WRKBOT&2,251                                        7  1035  M V02 251           9
165  1 042   TWOTST BCE   TWODIG,WRKBOT&2,  ONE OR TWO DIGITS?               8  1042  B |54 V02           9
166  1 050          B     GOTCOD                                              4  1050  B |84              10
167  1 054   TWODIG MCW   WRKBOT&1,WRKBOT&2                                   7  1054  M V01 V02          10
168  1 061          MCW   K0                                                  4  1061  M W10              10
169  1 065          B     TWOTST                                              4  1065  B |42              10
170  1 069   NOCODE LCA   K000,WRKBOT&2  USE 000 FOR HALT CODE               7  1069  L W13 V02          10
171  1 076          C     0&X1                                                4  1076  C 0|0              10
172  1 080          SAR   X1                                                  4  1080  Q 089              10
173  1 084   GOTCOD MCW   WRKBOT&2,W3                                         7  1084  M V02 W16          11
174  1 091          A     K0,WRKBOT&3                                         7  1091  A W10 V03          11
175  1 098          C     WRKBOT&2,W3  CODE IS NUMERIC?                       7  1098  C V02 W16          11
176  1 105          BE    NOZONE       YES                                    5  1105  B /70 S            11
177  1 110          BCE   NOTYET,201,  SHOWED A MESSAGE YET?                 8  1110  B /31 201          11
178  1 118   CLRCOD MZ    K3B,251  CLEAR THE CODE IN THE MESSAGE              7  1118  Y W19 251          12
179  1 125          MZ                                                       1  1125  Y                  12
180  1 126          MZ                                                       1  1126  Y                  12
181  1 127          B     NOZONE                                              4  1127  B /70              12
182  1 131   NOTYET MCW   ERR35,222                                           7  1131  M T15 222          12
183  1 138          MCW   MSG,247                                             7  1138  M T33 247          12
184  1 145          MCW   WRKBOT&2,226                                        7  1145  M V02 226          12
185  1 152          MCW   WRKBOT&2,251                                        7  1152  M V02 251          13
186  1 159          MCW   K3B-2,223                                           7  1159  M W17 223          13
187  1 166          B     CLRCOD                                              4  1166  B /18              13
188  1 170   NOZONE BCE   NOMSG,201,                                          8  1170  B /94 201          13
189  1 178          W                                                        1  1178  2                  13
190  1 179          BCV   *&5                                                5  1179  B /88 @            13
191  1 184          B     *&3                                                 4  1184  B /90              13
192  1 188          CC    1                                                   2  1188  F 1                14
193  1 190          CS    299                                                 4  1190  / 299              14
194  1 194   NOMSG  CW    WRKBOT                                              4  1194  ) V00              14
195  1 198          BCE   PAUSE,CODSEQ-3,A                                   8  1198  B S33 V99 A        14
196  1 206          LCA   BRANCH&3,0&X3  BRANCH BACK TO NOP                  7  1206  L W23 0?0          14
197  1 213          LCA   HALTOP         HALT                                 4  1213  L W24              14
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SEQ PG LIN  LABEL   OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
198  1 217          LCA   WRKBOT&2       NOP WITH STOP CODE                    4  1217  L V02              14
199  1 221          LCA   1&X1           GMWM                                  4  1221  L 0|1              15
200  1 225          SBR   X3                                                  4  1225  H 099              15
201  1 229          B     TSTLES                                                4  1229  B S52              15
202  1 233  PAUSE   LCA   HALTOP,0&X3     HALT                                  7  1233  L W24 0?0          15
203  1 240          LCA   WRKBOT&2       NOP WITH STOP CODE                    4  1240  L V02              15
204  1 244          LCA   1&X1           GMWM                                  4  1244  L 0|1              15
205  1 248          SBR   X3                                                  4  1248  H 099              15
206  1 252  TSTLES  BCE   LOOP,0,<  NOT TOO BIG IF LESS-THAN NOT CLOBBERED     8  1252  B 842 000 <        16
207  1 260          CS    332                                                   4  1260  / 332              16
208  1 264          CS                                                          1  1264  /                  16
209  1 265          CC    1                                                     2  1265  F 1                16
210  1 267          MCW   ERROR2,270                                            7  1267  M W60 270          16
211  1 274          W                                                           1  1274  2                  16
212  1 275          CC    1                                                     2  1275  F 1                16
213  1 277          BCE   HALT,CDOVLY,1                                        8  1277  B S90 769 1        17
214  1 285          RWD   1                                                     5  1285  U %U1 R            17
215  1 290  HALT    H     HALT                                                  4  1290  . S90              17
216  1 315  ERR35   DCW   @ERROR 35 - HALT NUMBER@                            22  1315                     17
217  1 333  MSG     DCW   @TO BE DISPLAYED AS@                               18  1333                     18
218  1 364          DC    @                                 @                  31  1364                     19
219                 ORG   1499                                                      1499
220  1 499          DCW   @N@                                                   1  1499                     20
221  1 500  WRKBOT  EQU   *&1                                                      1500
222  1 548          DC    @                                                 @  49  1548                     22
223                 ORG   1599                                                      1599
224  1 598  WORK    EQU   *                                                        1598
225  1 602  CODSEQ  DCW   #4  STATEMENT CODE AND SEQUENCE NUMBER               4  1602                     23
226  1 607  LIGHT   DCW   @LIGHT@                                              5  1607                     23
227  1 608  KLESS   DCW   @<@                                                  1  1608                     23
228  1 609  W1      DCW   #1                                                   1  1609                     23
229  1 610  K0      DCW   0                                                    1  1610                     23
230  1 613  K000    DCW   000                                                  3  1613                     23
231  1 616  W3      DCW   #3                                                   3  1616                     23
232  1 619  K3B     DCW   #3                                                   3  1619                     24
233  1 620  BRANCH  B     15992&X3                                             4  1620  B IIB              24
234  1 624  HALTOP  H                                                          1  1624  .                  24
235  1 660  ERROR2  DCW   @MESSAGE 2 - OBJECT PROGRAM TOO LARGE@              36  1660                     25
236  1 661  GMWM    DCW   @}@                                                 1  1661            GMARK    25
237                 ORG   201                                                       0201
238    203          DSA   LOADDD    LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM      3  0203  838                26
239                 EX    BEGINN                                                      B 838              27
240                 END                                                             / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BEGINN	838	BRANCH	1620	CDOVLY	769	CLEARL	707	CLRCOD	1118	CODSEQ	1602	DONE	873
ERR35	1315	ERROR2	1660	GMWM	1661	GOTCOD	1084	GOTWM	1002	HALT	1290	HALTOP	1624
K0	1610	K000	1613	K3B	1619	KLESS	1608	LIGHT	1607	LOADDD	838	LOADNX	700
LOOP	842	MOVCOD	968	MSG	1333	NOCODE	1069	NOMSG	1194	NOTYET	1131	NOZONE	1170
PAUSE	1233	PHASID	110	SNAPSH	333	STOPPZ	896	TSTLES	1252	TWODIG	1054	TWOTST	1042
W1	1609	W3	1616	WORK	1598	WRKBOT	1500	X1	89	X2	94	X3	99