```
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 -- CONDENSED DECK PHASE 3 -- 60                          PAGE    1

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

 101                JOB   FORTRAN COMPILER -- CONDENSED DECK PHASE 3 -- 60
 102                CTL   6611
 103         *
 104         X1     EQU   89                                                                0089
 105         X2     EQU   94                                                                0094
 106         X3     EQU   99                                                                0099
 107         *
 108         * STUFF IN THE RESIDENT AREA
 109         *
 110         PHASID EQU   110  PHASE ID, FOR SNAPSHOT DUMPS                                 0110
 111         NSTMTS EQU   183  NUMBER OF STATEMENTS, INCLUDING GENERATED STOP               0183
 112         *                 BEGINNING OF GENERATED CODE BY NOW.
 113         GLOBER EQU   184  GLOBAL ERROR FLAG -- WM MEANS ERROR                          0184
 114         ARYTOP EQU   194  TOP OF ARRAYS IN OBJECT CODE                                 0194
 115         SNAPSH EQU   333  CORE DUMP SNAPSHOT                                          0333
 116         CONDNS EQU   693  P FOR CONDENSED DECK                                       0693
 117         FMTSW  EQU   696  X FOR NO FORMAT, L FOR LIMITED FORMAT                       0696
 118         *                 BLANK FOR ORDINARY, A FOR A CONVERSION
 119         LOADNX EQU   700  LOAD NEXT OVERLAY                                          0700
 120         CLEARL EQU   707  CS AT START OF OVERLAY LOADER                              0707
 121         *
 122         * RUNTIME ADDRESSES
 123         *
 124         FMTBAS EQU   1697  BASE ADDRESS OF LIMITED AND NORMAL                        1697
 125         LGM    EQU   2015  GMWM AT END OF LIMITED ROUTINE                            2015
 126         NGM    EQU   4269  GMWM AT END OF NORMAL ROUTINE                            4269
 127         FMTBAA EQU   4280  BASE ADDRESS FOR A-CONVERSION                           4280
 128         AGM    EQU   4616  GMWM AT END OF A-CONVERSION                             4616
 129         *
 130                ORG   838                                                                0838
 131    838  BEGINN MCW   NSTMTS,X1  BEGINNING OF GENERATED CODE                    7  0838  M 183 089           4
 132    845         BCE   *&5,CONDNS,P                                              8  0845  B 857 693 P         4
 133    853         B     DONE                                                      4  0853  B U74               4
 134    857         BW    DONE,GLOBER                                               8  0857  V U74 184 1         4
 135    865  LOOP   SBR   PUEXIT&3,SETUP                                           7  0865  H /55 893           4
 136    872         MCW   SETWMS-11,W7  ,040040                                    7  0872  M V10 V38           5
 137    879         MCW   A146,X3                                                  7  0879  M V25 099           5
 138    886         MCW   LCA,140                                                  7  0886  M V26 140           5
 139    893  SETUP  CS    139                                                       4  0893  / 139               5
 140    897         BCV   *&5                                                      5  0897  B 906 @             5
 141    902         B     *&3                                                       4  0902  B 908               5
 142    906         CC    1                                                         2  0906  F 1                 5
 143    908         MCW   SETWMS,171                                               7  0908  M V21 171           6
 144    915         SW    140                                                       4  0915  , 140               6
 145    919         CS    332                                                       4  0919  / 332               6
 146    923         CS                                                              1  0923  /                   6
 147    924         SW    101                                                       4  0924  , 101               6
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SEQ PG LIN  LABEL   OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
148    928          MCW   A001,X2                                              7  0928  M V29 094            6
149    935          MCW   K1,W1                                                 7  0935  M V30 V31            6
150    942          MCW   W7,153                                               7  0942  M V38 153            7
151    949          BW    CWLOAD,FLAG                                         8  0949  V S91 V22 1          7
152    957  MORE    MN    0&X1,100&X2  MOVE A CHARACTER                        7  0957  D 0|0 1!0            7
153    964          MZ    0&X1,100&X2    TO THE PUNCH AREA                    7  0964  Y 0|0 1!0            7
154    971  CHKTOP  C     ARYTOP,X1                                           7  0971  C 194 089            7
155    978          BE    TOP                                                 5  0978  B S04 S              8
156    983          SBR   X1,1&X1                                             7  0983  H 089 0|1            8
157    990          SBR   X2,1&X2                                             7  0990  H 094 0!1            8
158    997          BCE   ENDCOD,0&X1,]  RIGHT BRACKET MEANS END OF CODE      8  0997  B S83 0|0 ]          8
159  1 005          BW    WM,0&X1                                             8  1005  V S15 0|0 1          8
160  1 013          C     A040,X2                                             7  1013  C V41 094            9
161  1 020          BL    MORE                                                5  1020  B 957 T              9
162  1 025          C     A160,X3                                             7  1025  C V44 099            9
163  1 032          BL    SETCW                                               5  1032  B /75 T              9
164  1 037          MCW   A040,167                                            7  1037  M V41 167            9
165  1 044          BH    *&8                                                 5  1044  B |56 U              9
166  1 049          MCW   A040,164                                            7  1049  M V41 164           10
167  1 056          CW    140                                                 4  1056  ) 140                10
168  1 060  SW      SW    0                                                   4  1060  , 000                10
169  1 064          SBR   X2                                                  4  1064  H 094                10
170  1 068          A     KM990,X2&1                                          7  1068  A V47 095            10
171  1 075          MCW   239,139  CLEAR PART OF CARD ABOVE LOADED CHARS       7  1075  M 239 139            10
172  1 082  SX1     SBR   X1,0                                                 7  1082  H 089 000            11
173  1 089  PUNCH0  MCW   SETWMS-11,W7  ,040040                              7  1089  M V10 V38            11
174  1 096          MCW   A146,X3                                             7  1096  M V25 099            11
175  1 103  PUNCH   A     K1,175  BUMP SEQUENCE NUMBER                        7  1103  A V30 175            11
176  1 110          MN    0&X2                                                4  1110  D 0!0                11
177  1 114          SBR   143                                                 4  1114  H 143                11
178  1 118          C     143,A000                                            7  1118  C 143 V50            12
179  1 125  PUEX1   BE    AFTARY                                        V3M4  5  1125  B T48 S              12
180  1 130          MN    0&X1                                                4  1130  D 0|0                12
181  1 134          SBR   146                                                 4  1134  H 146                12
182  1 138          LCA   180,280                                            7  1138  L 180 280            12
183  1 145          LCA                                                       1  1145  L                    12
184  1 146          LCA                                                       1  1146  L                    12
185  1 147          BSS   *&5,B                                               5  1147  B /56 B              13
186  1 152  PUEXIT  P     SETUP                                               4  1152  4 893                13
187  1 156          SW    PREXIT&1                                            4  1156  , /72                13
188  1 160          MCW   PUEXIT&3,PREXIT&3                                   7  1160  M /55 /74            13
189  1 167          CW    PREXIT&1                                            4  1167  ) /72                13
190  1 171  PREXIT  WP    SETUP                                               4  1171  6 893                13
191          *
192          * PUT A CW INSTRUCTION IN W7
193          *
194  1 175  SETCW   MCW   CW,W7-6                                             7  1175  M V51 V32            13
195  1 182          MCW   X1,W7                                               7  1182  M 089 V38            14
196  1 189          MCW   X1                                                  4  1189  M 089                14
197  1 193          MCW   A153,X3                                             7  1193  M V54 099            14
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SEQ PG LIN  LABEL  OP    OPERANDS                                          SFX CT  LOCN  INSTRUCTION TYPE  CARD
198  1 200         B     PUNCH                                               4  1200  B /03               14
199         *
200         * GOT TO TOP OF ARRAYS
201         *
202  1 204  TOP    SBR   PUEXIT&3,AFTARY                                     7  1204  H /55 T48           14
203  1 211         B     PUNCH                                               4  1211  B /03               14
204         *
205         * FOUND WM
206         *
207  1 215  WM     MCW   X1,SX1&6                                            7  1215  M 089 |88           15
208  1 222         SBR   SW&3,100&X2                                         7  1222  H |63 1!0           15
209  1 229         C     A040,X2                                             7  1229  C V41 094           15
210  1 236         BE    PUNCH0                                              5  1236  B |89 S             15
211  1 241         C     A167,X3                                             7  1241  C V57 099           15
212  1 248         BE    PUNCH0                                              5  1248  B |89 S             15
213  1 253         SBR   X3,3&X3                                            7  1253  H 099 0?3           16
214  1 260         ZS    W1                                                  4  1260  ! V31               16
215  1 264         BM    BUMPX3,W1                                           8  1264  V T37 V31 K         16
216  1 272  WM2    MCW   X1,0&X3                                             7  1272  M 089 0?0           16
217  1 279         B     MORE                                                4  1279  B 957               16
218         *
219         * SAW A RIGHT BRACKET -- END OF CODE
220         *
221  1 283  ENDCOD SW    FLAG                                                4  1283  , V22               16
222  1 287         B     PUNCH0                                              4  1287  B |89               16
223         *
224         * SET A CW INSTRUCTION IN THE LOAD AREA
225         *
226  1 291  CWLOAD CW    FLAG                                                4  1291  ) V22               17
227  1 295         MCM   0&X1                                                4  1295  P 0|0               17
228  1 299         SBR   X1                                                  4  1299  H 089               17
229  1 303         BW    MORE,0&X1                                           8  1303  V 957 0|0 1         17
230  1 311         MCW   X1,153                                             7  1311  M 089 153           17
231  1 318         MCW   X1                                                  4  1318  M 089               17
232  1 322         MCW   CW                                                  4  1322  M V51               17
233  1 326         MCW   A153,X3                                            7  1326  M V54 099           18
234  1 333         B     MORE                                                4  1333  B 957               18
235         *
236  1 337  BUMPX3 SBR   X3,1&X3                                            7  1337  H 099 0?1           18
237  1 344         B     WM2                                                 4  1344  B S72               18
238         *
239         * AFTER THE ARRAYS
240         *
241  1 348  AFTARY SBR   X1,FMTBAS                                          7  1348  H 089 W97           18
242  1 355         BCE   XFMT,FMTSW,X  NO FORMAT ROUTINE                     8  1355  B U26 696 X         18
243  1 363         BCE   LFMT,FMTSW,L  LIMITED FORMAT ROUTINE                8  1363  B U04 696 L         19
244  1 371         BCE   AFMT,FMTSW,A  A-CONVERSION FORMAT                   8  1371  B U15 696 A         19
245  1 379  SETCHK SBR   CHKTOP&3,USRBAS    NORMAL FORMAT                    7  1379  H 974 V03           19
246  1 386         SBR   PUEX1&3,XFMT                                V3M4    7  1386  H /28 U26           19
247  1 393         SBR   TOP&6,XFMT                                         7  1393  H S10 U26           19
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SEQ PG LIN  LABEL   OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD
248  1 400          B     LOOP                                             4  1400  B 865               20
249  1 404  LFMT    SBR   USRBAS,LGM&1  AFTER LIMITED FORMAT               7  1404  H V03 !16           20
250  1 411          B     SETCHK                                           4  1411  B T79               20
251  1 415  AFMT    SBR   USRBAS,AGM&1  AFTER A CONVERSION                7  1415  H V03 61X           20
252  1 422          B     SETCHK                                           4  1422  B T79               20
253  1 426  XFMT    CS    171                                              4  1426  / 171               20
254  1 430          MCW   A080,146                                        7  1430  M V60 146           20
255  1 437          MCW   NSTMTS                                           4  1437  M 183               21
256  1 441          LCA   CS                                               4  1441  L V61               21
257  1 445          A     K1,175                                           7  1445  A V30 175           21
258  1 452          LCA   180,280                                          7  1452  L 180 280           21
259  1 459          LCA                                                    1  1459  L                   21
260  1 460          CS                                                     1  1460  /                   21
261  1 461          BSS   PRINT,B                                          5  1461  B U97 B             21
262  1 466          P                                                      1  1466  4                   22
263  1 467  LASTCD  CS    180                                              4  1467  / 180               22
264  1 471          P                                                      1  1471  4                   22
265  1 472          SS    8                                                2  1472  K 8                 22
266  1 474  DONE    BSS   SNAPSH,C                                         5  1474  B 333 C             22
267  1 479          SBR   CLEARL&3,GMWM                                    7  1479  H 710 V73           22
268  1 486          LCA   GAUX1,PHASID                                     7  1486  L V69 110           22
269  1 493          B     LOADNX                                           4  1493  B 700               23
270  1 497  PRINT   WP    LASTCD                                           4  1497  6 U67               23
271          *
272          * DATA
273          *
274  1 503  USRBAS DSA   FMTBAA         BASE ADDRESS OF USER CODE        3  1503  28|                 23
275  1 521  SETWMS DCW   @,040040,0400401040@                            18  1521                      23
276  1 522  FLAG    DC    #1                                               1  1522                      23
277  1 525  A146    DSA   146                                              3  1525  146                 23
278  1 526  LCA     LCA                                                    1  1526  L                   23
279  1 529  A001    DSA   1                                                3  1529  001                 23
280  1 530  K1      DCW   1                                                1  1530                      24
281  1 531  W1      DCW   #1                                               1  1531                      24
282  1 538  W7      DCW   #7                                               7  1538                      24
283  1 541  A040    DSA   40                                               3  1541  040                 24
284  1 544  A160    DSA   160                                              3  1544  160                 24
285  1 547  KM990   DCW   -990                                            3  1547                      24
286  1 550  A000    DSA   0                                                3  1550  000                 24
287  1 551  CW      CW                                                     1  1551  )                   25
288  1 554  A153    DSA   153                                              3  1554  153                 25
289  1 557  A167    DSA   167                                              3  1557  167                 25
290  1 560  A080    DSA   80                                               3  1560  080                 25
291  1 561  CS      CS                                                     1  1561  /                   25
292  1 569  GAUX1   DCW   @GAUX ONE@                                      8  1569                      25
293  1 572          DSA   3999                                             3  1572  I99                 25
294  1 573  GMWM    DCW   @}@                                              1  1573              GMARK   26
295                 EX    BEGINN                                                   B 838               27
296                 END                                                            / 000 080
```

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
A000	1550	A001	1529	A040	1541	A080	1560	A146	1525	A153	1554	A160	1544
A167	1557	AFMT	1415	AFTARY	1348	AGM	4616	ARYTOP	194	BEGINN	838	BUMPX3	1337
CHKTOP	971	CLEARL	707	CONDNS	693	CS	1561	CW	1551	CWLOAD	1291	DONE	1474
ENDCOD	1283	FLAG	1522	FMTBAA	4280	FMTBAS	1697	FMTSW	696	GAUX1	1569	GLOBER	184
GMWM	1573	K1	1530	KM990	1547	LASTCD	1467	LCA	1526	LFMT	1404	LGM	2015
LOADNX	700	LOOP	865	MORE	957	NGM	4269	NSTMTS	183	PHASID	110	PREXIT	1171
PRINT	1497	PUEX1	1125	PUEXIT	1152	PUNCH	1103	PUNCH0	1089	SETCHK	1379	SETCW	1175
SETUP	893	SETWMS	1521	SNAPSH	333	SW	1060	SX1	1082	TOP	1204	USRBAS	1503
W1	1531	W7	1538	WM	1215	WM2	1272	X1	89	X2	94	X3	99
XFMT	1426												