CLEAR STORAGE 1 ,(CLEAR STORAGE 2 LCC) BOOTSTRAP ,(C			,0080 L0681 ,0080	15,02 16,10 15,02	2026,030037,044,049,053053N000000N00001026 5106,110117B101/191#071029C029056B026/B001/0991 2029,036040,047054,061068,072/061039	,001/001 ,0010	117I0? 011040			1 2 3
				FORT	RAN COMPILER TAMROF PHASE ONE 23				PAGE	1
	SEQ PG LIN	LABEL	OP	OPER	ANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
	101		JOB	FORT	RAN COMPILER TAMROF PHASE ONE 23					
	102		CTL	6611						
	103	*								
					TS ARE CHECKED TO INSURE THAT THEY ARE					
	105	* REFE	RENCED	BY I	NPUT-OUTPUT STATEMENTS					
	106 107	* ON E	NITTON	01 02	TO ONE DELOW THE NUMBER TARLE WHICH TO THE					
					IS ONE BELOW THE NUMBER TABLE, WHICH IS THE TOP STATEMENT IN HIGH CORE, X1 IS THE					
					BOTTOM STATEMENT IN LOW CORE, X2 IS ONE BELOW					
					THE BOTTOM STATEMENT IN HIGH CORE					
	111	*								
	112	* ON E	XIT, X	1 IS	THE TOP OF STATEMENTS, X2 IS THE TOP OF					
	113	* FORM	IATTED	I/O S	TATEMENTS, AND 81-83 IS ONE BELOW THE NUMBER					
	114	* TABL	E							
	115	*								
	116	X1	EQU				0089			
	117 118	X2 X3	EQU EQU				0094 0099			
	119	*	ŁQU	99			0099			
	120		F IN T	HE RE	SIDENT AREA					
	121	*	1 111 1	111111111	OIDENI INCHI					
	122	PHASID	EQU	110	PHASE ID, FOR SNAPSHOT DUMPS		0110			
	123				GLOBAL ERROR FLAG WM MEANS ERROR		0184			
	124				CORE DUMP SNAPSHOT		0333			
					LOAD NEXT OVERLAY		0700			
	126				CS AT START OF OVERLAY LOADER		0707			
	127	CDOVLY	EQU	769	1 IF RUNNING FROM CARDS, N IF FROM TAPE TAPE READ INSTRUCTION IN OVERLAY LOADER		0769			
	128	CLRBOT					0780			
	129 130	*	ŁQU	833	BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER		0833			
	131		ORG	838				0838		
	132	LOADDD			LOAD ADDRESS		0838	0000		
	133	*	~ .							
	134	* THE	TOOBIG	AND	MSG ROUTINES ARE NOT REFERENCED HERE. WHY ARE					
	135	* NOT	SIMPLY	IN P	HASE 24?					
	136	*								
		TOOBIG		332				/ 332		4
	138 842		CS				0842			4
	139 843 140 845		CC MCW		D2 270		0843	F 1 M 963 270		4
	141 852		W	ERRO	R2,270		0852			4
	142 853		CC	1			0853			4
	143 855		BCE		,CDOVLY,1			B 868 769 1		4
	144 863		RWD	1	, ,			U %U1 R		5
		HALT		HALT				. 868		5
	146	*								
	147 872	SEMIC	DCW	@;@		1	0872			5

			FORTRAN COMPILER TAMROF PHASE ONE 23			PAG	E 2
SEQ PG LI	N LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TYPE	CARD
148 87 149 87 150		DCW DCW	#3 USED TO SAVE X3 EXACTLY ONCE #4		0875 0879		5 5
151 152		IN EF	RROR MESSAGE BOILERPLATE				
153 88 154 88 155 88 156 89 157 89 158 89 159 90 160 90 161 91 162 91 163 91 164 91	0 MSG 4 9 9 15 5 9 0 4 1 1 2 3 7 4 MSGX 3 ERROR2	SBR BCV B CC CS CS SW MN MN MN MCW MCW B DCW	MSGX&3 *&5 *&3 1 332 GLOBER SEQCOD,250 STMT ERR,205 0 @MESSAGE 2 - OBJECT PROGRAM TOO LARGE@ @STATEMENT @	4 5 4 2 4 1 4 7 1 1 4 7 4 7 4 36 11	0889 0893 0895 0899 0900 0904 0911 0912 0913 0917 0924	F 1 / 332 / , 184 D 879 250 D M 974 M 979 205	5 5 6 6 6 6 6 7 7 7 7 8 9
168 97 169 170 98	9 ERR * 0 BEGINN	DCW	@ERROR@	5	0979	/ 0!1	9
171 98 172 98	4 8 2 CLRL 6	SBR SW CS SBR C	X1 GMWM	4	0984 0988 0992 0996 1000	H 089 , V03 / 0 0 H 089 C 089 U36 B 992 /	9 9 9 9 10
176 1 00 177 1 01 178 1 01 179 1 02 180 1 03 181 1 04 182 1 04 183 1 05	2 9 6 3 0 4 LOOP	LCA SBR SBR MCW SW MCW SBR	X1 X1,KBOT CLRL GMWM,2601 X1,2602 X2,2&X2 DOT,96 NO FORMAT STATEMENT SEEN FLAG 83,X3 TOP OF STATEMENTS IN TOP CORE X3,1&X3 X3,X2 MOVED TOP STATEMENT UP? DONE YES FLAG2 MOVING BODY 0&X2 X3 SEMIC	7 7 7 7 4 7	1012 1019 1026 1033 1040	L V03 001 H 089 002 H 094 0!2 M U37 096 , U38 M 083 099	10 10 10 11 11 11
184 1 05 185 1 06 186 1 07 187 1 07 188 1 07 189 1 08	8 5 0 4 8 2	C BE CW MN SAR MCW	DEFFE	_	1058 1065 1070 1074 1078 1082	C 099 094 B S16 S) U39 D 0!0 Q 099 M 872	11 11 12 12 12 12
190 1 08 191 1 09 192 1 09 193 1 09 194 1 10 195 1 10 196 1 11 197 1 11	0 4 MORE 8 2 9	MN SAR MCM SAR MCM MN SBR SBR	0&X1 X1 0&X2 SX2&6 0&X2,1&X1 X1 X2,0	4 4 4 7 1 4 7	1098 1102 1109 1110	Q 089 P 0!0 Q /20 P 0!0 0 1	12 12 12 13 13 13 13

				FORTRAN COM	PILER TAMROF PHASE ONE 23				PAGE	3
SEQ	PG LIN	LABEL	OP	OPERANDS		SFX CT	LOCN	INSTRUCTION	TYPE	CARD
198	1 121		BCE	MORE,0&X1,		8	1121	B 94 0 0		13
199	1 129		MN	0&X2		4	1129	D 0!0		13
	1 133		CW			1)		14
	1 134		SW	0&X1		4		, 0 0		14
	1 138		SBR	X1,1&X1	2 PROCESSING PREFIX? NG PREFIX	7		H 089 0 1		14
	1 145		BW		2 PROCESSING PREFIX?	8		V /61 U39 1		14
	1 153		SW	FLAG2 MOVI	NG PREFIX	4		, U39		14
	1 157	DDDDTU	В	MOVEDN		4		В 186		14
	1 161	PREFIX	MN	0&X1			1165	D 0 0		14 15
	1 166		SAR	Х3				0 099		15
	1 170		SBR	SETZON&6				Н Т97		15
	1 174		MCW	0&X3,SEOCOD				M 0?0 879		15
	1 181			, -				0 099		15
	1 185		BCE	FORMAT, SEQC	DD-3,F FORMAT STATEMENT?	8		B T15 876 F		15
213	1 193		MCW	SEQCOD-3, *&	8	7	1193	M 876 S07		15
214	1 200		BCE	FMTIO,STMTS	DD-3,F FORMAT STATEMENT? B ,X FORMATTED I/O STATEMENT?	8	1200	B S91 U44 X		16
	1 208		CHAIN	4					MACRO	
216			BCE				1208		GEN	16
217			BCE				1209		GEN	16
218			BCE				1210		GEN	16
219	1 212		BCE B	LOOP			1211		GEN	16 16
221	1 212	*	В	LOOP		4	1212	B 44		10
222			TO BOT	TOM OF STATE	MENTS					
223		*	IO DOI	1011 01 0111111	IDIVIO					
	1 216	DONE	MN	0&X1		4	1216	D 0 0		16
225	1 220		MN			1	1220	D		17
226	1 221		SAR	X1	TOP OF STATEMENTS	4	1221	Q 089		17
	1 225		MCW	SX1,X2	TOP OF TOP FORMATTED I/O STATEMENT ONE BELOW NUMBER TABLE	7		M U57 094		17
	1 232					7		M 083 099		17
	1 239		MCW	,	CLEAR STATEMENTS			M U45 0?0		17
	1 246		MCW		RECENTLY MOVED DOWN			M 0?0		17
	1 250				BELOW NUMBER TABLE			M 872 0?0		17
	1 257 1 262			SNAPSH,C TPREAD&6,98	1			В 333 C Н 786 980		18 18
	1 262			CLRBOT	J	4		н 833		18
	1 273			CLEARL&3,26	nn	_		H 710 000		18
	1 280			FMT2, PHASID				L U53 110		18
	1 287		В	LOADNX				в 700		18
238		*								
239		* FOUN	D FORM	ATTED I/O ST	ATEMENT					
240		*								
		FMTIO			BOTTOM OF SEQUENCE NUMBER	7		Y U54 0?3		19
	1 298		CW	FLAG		-) U38		19
	1 302		MN	0&X1				D 0 0		19
	1 306		MN	CV1 TOD OF	CECHENCE NUMBER		1306			19
	1 307 1 311		SAR	LOOP	SEQUENCE NUMBER	4		Q U57		19 19
246	1 211	*	В	TOOL		4	1311	B 44		19
27/										

				FORTRAN COMPILER TAMROF PHASE ONE 23				PAGE	4
SEQ P	G LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
248 249				RMAT STATEMENT					
250	1 315	FORMAT	MCW	KB1,96 SAW A FORMAT STATEMENT UNREF,FLAG NO FORMATTED I/O SEEN UNREF,O&X3,} CAN'T BE REFERENCED WITH NO LABEL 0&X3,FMTLAB	7	1315	M U45 096		19
251	1 322		BW	UNREF, FLAG NO FORMATTED I/O SEEN	8	1322	V T61 U38 1		20
252	1 330		BCE	UNREF, 0 & X3, } CAN'T BE REFERENCED WITH NO LABEL	8	1330	B T61 0?0 }	GMARK	20
253	1 338		MCW	0&X3,FMTLAB	7	1338	M 0?0 U60		20
254	1 345		MCW	SX1,X3 SEQ NO OF TOP FORMATTED I/O STATEMENT	7	1345	M U57 099		20
255	1 352	CHKREF	BWZ	CHKLAB,0&X3,B	8	1352	V U02 0?0 B		20
	1 360						V		20
		UNREF		332			/ 332		21
	1 365		CS				/		21
	1 366			SEQCOD,245	7	1366	D 879 245		
	1 373		MN		_	1373	_		21
	1 374		MN			1374			21
	1 375			ERR14 UNREFERENCED			M V02		21
	1 379		W BCV	+ c =			2 B T89 @		21 22
	1 380 1 385		BCV B	^&5 *&3			B 189 @ B T91		22
	1 389								22
		SETZON	M7	ARZONE 0_0 LOW_OPDER DIGIT OF SECUENCE NUMBER	7	1303	V 1154 000		22
	1 398	DEIZON	В	1 ABZONE,0-0 LOW-ORDER DIGIT OF SEQUENCE NUMBER LOOP	4	1398	B 144		22
269	1 330	*	D	1001	-	1000	D 111		
270		* CHEC	K WHET	HER FORMAT LABEL APPEARS IN FORMATTED I/O					
271				THE FORMATTED I/O STATEMENTS ARE ALL BELOW					
272		* (PRO	CESSED	BEFORE IN THIS PHASE) THE FORMAT STATEMENTS.					
273		*							
274	1 402	CHKLAB	С	0&X3 SKIP	4	1402	C 0?0		22
275	1 406		SAR	X3 PREFIX	4	1406	Q 099		22
	1 410		С	0&X3,FMTLAB LABEL IN STMT SAME AS THE FORMAT?	7	1410	C 0?0 U60		23
277	1 417 1 422		BE	LOOP YES, GO DO NEXT STATEMENT	5	1417	B 44 S		23
			С	X3 PREFIX 0&X3,FMTLAB LABEL IN STMT SAME AS THE FORMAT? LOOP YES, GO DO NEXT STATEMENT 0&X3 SKIP X3 BODY CHKREF	4	1422	C 0?0		23
	1 426		SAR	X3 BODY	4	1426	Q 099		23
	1 430		В	CHKREF	4	1430	B T52		23
281	1 420	*	DC3	BOT BOTTOM OF CORE CLEARING	2	1 4 2 6	V99		23
	1 436		DSA	0.0	3	1436	V99		23
		FLAG	DCW			1/30			24
		FLAG2	DCW	#1 INITIALLY SET, CLEARED WHEN FORMATTED I/O SEEN #1 SET FOR PREFIX, CLEARED FOR BODY @56ULP@ FORMATTED I/O STATEMENTS CODES #1	1	1430			24
		STMTS	DCW	@56ULP@ FORMATTED I/O STATEMENTS CODES	5	1444			24
	1 445		DCW	#1	1	1445			24
	1 453		DCW	@TAMROF 2@		1453			24
		ABZONE	DCW	0 4 0	1	1454			24
290	1 457	SX1	DCW	#3 TOP OF SEQUENCE NUMBER OF TOP FORMATTED I/O	3	1457			24
291	1 460	FMTLAB		#3 LABEL FROM FORMAT STATEMENT	3	1460			25
292	1 502	ERR14	DCW	@ERROR 14 - UNREFERENCED FORMAT, STATEMENT @	42	1502			27
	1 503	GMWM	DCW	9 7 8	1	1503		GMARK	27
294			ORG	*&X00			1600		
295		BOT		*		1599			
296	000		ORG	201	_	0000	0201		~ ~
297	203		DSA	LOADDD LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3	0203	838		28

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		FORTRAN COMPILER TAMROF PHASE ONE 23			P.	AGE	5			
SEQ PG LIN LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION TY	PE.	CARD			
298 299	EX END	BEGINN			B 980 / 000 080		29			

phase	-23.22	.asc	1	Ion Ju	1 14 2	3:50:0	4 2008		6				
FORTRAN COMPILER TAMROF PHASE ONE 23									PAGE	6			
SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ABZONE	1454	BEGINN	980	BOT	1599	CDOVLY	769	CHKLAB	1402	CHKREF	1352	CLEARL	707
CLRBOT	833	CLRL	992	DONE	1216	DOT	1437	ERR	979	ERR14	1502	ERROR2	963
FLAG	1438	FLAG2	1439	FMT2	1453	FMTIO	1291	FMTLAB	1460	FORMAT	1315	GLOBER	184
GMWM	1503	HALT	868	KB1	1445	KBOT	1436	LOADDD	838	LOADNX	700	LOOP	1044

924

974

1361

PHASID

STMTS

X1

110

1444

89

PREFIX 1161

1457

94

SX1

X2

SEMIC

SX2

Х3

872

1114

99

MSGX

STMT

UNREF

MORE

SX3

SEQCOD

1094

879

875

MOVEDN 1086

1391

838

SETZON

TOOBIG

MSG

SNAPSH

TPREAD

880

333

780