

1401 TIMING CHARTS

1-5 ARITHMETIC OPERATIONS
 6-24 MOVE, LOAD, COMPARE AND LOGIC OPERATIONS
 25-28 ADVANCE PROGRAMMING
 29-37 INPUT OUTPUT
 38-49 MAGNETIC TAPE
 50-52 EXPANDED STORAGE

PART NO.	FIG. NO.	NAME	PART NO.	FIG. NO.	NAME
723925	1	RESET ADD O (AAA)(BBB)	724853	29	READ
723926	2	TRUE ADD	724854	30	PUNCH
723927	3	COMPLEMENT ADD-RECOMPLEMENT A (AAA)(BBB)			
723928	4	COMPLEMENT ADD-NO RECOMPLEMENT	724855	32	COLUMN BINARY READ SEQUENCE
723929	5	COMPLEMENT ADD-ONE CHARACTER FIELD	724856	33	COLUMN BINARY PUNCH SEQUENCE
			724857	34	MOVE AND UNSCRAMBLE COLUMN BINARY SEQUENCE
723930	6	MOVE M (AAA)(BBB)	724858	35	MOVE AND SCRAMBLE COLUMN BINARY SEQUENCE
723931	7	MOVE DIGIT D (AAA)(BBB)	724859	36	PUNCH FEED READ SEQUENCE
723932	8	MOVE ZONE Y (AAA)(BBB)	724860	37	STACKER SELECT K AND STACKER SELECT BRANCH
723933	9	MOVE ZERO SUPPRESS Z (AAA)(BBB)			
723934	10	LOAD L (AAA)(BBB)	724861	38	MOVE (LOAD) TAPE READ OPERATION
723935	11	CLEAR OP / (AAA)	724862	39	MOVE (LOAD) WRITE OPERATION
723936	12	WORD MARK CLEAR (AAA)(BBB)	724863	40	LOAD TAPE AND READ A WORD SEPARATOR CHARACTER
723937	13	WORD MARK SET (AAA)(BBB)	724864	41	LOAD TAPE AND WRITE A WORD SEPARATOR CHARACTER
723938	14	COMPARE C (AAA)(BBB)	724865	42	BACKSPACE TAPE OPERATION
723939	15	HIGH-LOW-EQUAL COMPARE SEQUENCE C (AAA)(BBB)	724866	43	ERASE TAPE OPERATION
723940	16	BRANCH B (IIII), UNCONDITIONAL BRANCH	724867	44	WRITE TAPE MARK
723941	17	TEST AND BRANCH B (IIII) (TEST ANY ONE OF TEN CHARACTER)	724868	45	REWIND TAPE-OPERATION
723942	18	TEST CHARACTER AND BRANCH B (IIII)(BBB) (ANY ONE OF NINE CHARACTERS)	724869	46	REWIND AND UNLOAD TAPE
			724870	47	TAPE END OF FILE INDICATOR TEST AND TAPE TRANSMISSION ERROR TEST
723943	19	TEST ZONE OR WORD MARK OR BOTH AND BRANCH V (IIII)(BBB)			
723944	20	CLEAR AND BRANCH / (IIII)(BBB)	724871	48	MOVE COMPRESSED TAPE READ OPERATION
723945	21	STOP AND BRANCH . (IIII)	724872	49	MOVE WITH ZERO INSERTION X (AAA)(BBB)
723946	22	STOP (.)			
723947	23	NO-OP (NO)	724873	50	ADDRESS MODIFY TIMING # (AAA)(BBB)
723948	24	EDIT OPERATION - ZERO SUPPRESS	724874	51	MULTIPLY
			724875	52	% AAA BBB DIVIDE
723949	25	INSTRUCTION CYCLE WITH INDEXING			
724850	26	STORE A STAR Q (AAA) STORE B STAR M (AAA)			
724851	27	BRANCH B (IIII) ADVANCED PROGRAMMING (I-B STAR TRANSFER)			
724852	28	MOVE RECORD P (AAA)(BBB)			

DATE	CHANGE NO.	DATE	CHANGE NO.	INTERNATIONAL BUSINESS MACHINES CORP			
4-10-62	113530 0	31-7-62	TA 1370 K	NAME	1401 TIMING CHARTS		
				DESIGN		TYPE	
				DETAIL		SCALE	NONE
				CHECK		DRAW	VE 3-7-62
				APPRO		CHECK	