

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
6102-776	6151-377	6102-376	6151-377	6151-377	6151-377	6102-040	6155-R	6155-R				6133-70/6113-70	6123-R	6119	6119-R	6119-R	6119-R	6135-12/6115-12	6102-570	6124-16	6102-R	6123-56	6102-076	6123-10	
IR ASH						IR MD SAC 2					JP AS	AS +	ACCP ET AL TEST					AR OV FLAG	ART 3	IR M	AR CRY 0 (1)	AR CRY 0			
IR ROT	IR EXCH BLT	PEXCH				JP					JP AS	AS -	IR MD FAC 2		AR + 1	AR MB (1)	MB AR (J)		AR OV FLAG	AR OV FLAG		AR OV SET	IR JRET	MD 365	
IR LSH	IR LSH	IR BLT	IR	IR	IR		FWT 01 10 11		BOOLE V AS		JP AS	AS -	IR MD FAC 2				MB AR (J) INH (ET 0)		ACBM CL		AR PC CHG FLAG B(1)				
IR ASHC	IR ASHC	IR AOB JP	IR ASHC	IR ROT	IR LSH						FWT NEGATE	BOOLE V AS	IR 254-7				ST 7		MB PC STO		AR CRY 0 FLAG B(1)	AR CRY 0 CRY 1	MQ 36	MQ 35	
IR ROTC	IR ROTC	IR AOB IN	IR ASHC	IR ROTC	IR LSH								IR MD SCLE						AR FP HALF	AR COM CONT		IR IOT		MQ 36	
IR LSHC	IR LSHC	IR JRST A	IR LSHC	IR LSHC	IR LSHC				IR FP DIR		HWT LT		IR MD SCLE				USEK MODE 000		AR=0		KEY EXECUTE			MQ 365	
IR CAC	IR CAC	IR JFCL	IR CAC	IR CAC	IR CAC				IR FP MEM		HWT RT		IR MD SCLE		AR COM (ET 0)	AR MB (J) (ET 0)	AR COM (ET 4)		AR PC CHG FLAG					MI LT=0	
IR FSC	IR FSC	IR XCT	IR FSC	IR FSC	IR FSC				IR FP MEM		HWT RT		IR MD SCLE				EX MODE		AR CRY 0					MI RT	
									IR FP BOTH		HWT RT		IR FWT				EX MODE		AR CRY 1		PC+1 INH (ET 0)	AR O V FLAG B(1)		MI RT	
6119-R	6119-R	6119-R	6119-R	6119-R	6119-R	6117-5	6123	6123-67	6102-437	6135-12/6115-R	6135-12/6113-60	6102-577	6151-377	6227-RRD	6123	1316-222222	1609	6106	1609	6135-10/6115-10	6133/6113	6133/6113	6133/6113	6227-RRR	
							BPT SAC (2)	ACBM SWAP	JP JSR	ACCP ETC COND	EX MODE	MC SPLIT CYC SYNC B			AR NEGATE TO (AR COM)	AR NEGATE TO (AR COM)	AR NEGATE TO (AR COM)	AR FLAG CLEAR	MILT=0 MIRT=0	AR FP HALF	HWT LT SET	AR PC CHG FLAG		AR PC CHG FLAG	
							BPT	ACBM DIR	SAC INH	ACCP ETC COND	EX MODE	MC STOP SYNC			AR NEGATE TO (AR COM)	AR NEGATE TO (AR COM)	AR NEGATE TO (AR COM)	AR FLAG SET	MILT=MBLT(0) MIRT=MBRT(0)	AR OV FLAG	AR JFCL CLR	AR CRY 0 FLAG		AR OV FLAG	
							EXILL	ACCP ETC COND	MEM AC	ACCP ETC COND	EX ILLEG CP	IOT DATA 0	IOT	BLK 1 DATA 2 CON 0 CON 1 CON 2 CON 0	AR I7 CRY IN	AR AS T1 (AR MBV)	AR AS T1 (AR MBV)	AR OV FLAG	AR FLAG CLR	AR OV FLAG	AR OV FLAG				AR CRY 1 FLAG
							MC ALL ADR	MEM AC MEM AC	MEM AC MEM	MEM AC	FWT SWAP	IOT CON 1	IOT CON 1	MC STOP SYNC	AR AS T0 (AR COM)	AR AS T2 (AR CRY)	AR AS T0 (AR CRY)	ART 3	AR FLAG SET	AR JFCL CLR	AR PC CHG FLAG	MC SPLIT RD RQ	AR OV FLAG	AR CRY 1 FLAG	AR CRY 0 FLAG
								MEM AC AC	MEM AC AC	JP FLAG STOR	EX IR UO	IOT CON 2	IOT CON 2	MC SPLIT CYC SYNC	AR AS T3 (AR MBV)	ART 3	ART 3	AR JFCL CLR	AR CRY FLAG	AR PC FLAG	AR PC CHG FLAG				AR CRY 0 FLAG
								ACCP	ACCP	IR ILLER CP	EX	IOT CON 0	SW ADDR STOP	EX ILLE DP	ART 3	MILT+MBLT(0) MI LT=0 MIRT=0	AR+1 T0 (AR COM)	PC SET ENABLE	AR CRY FLAG	AR PC FLAG	AR PC CHG FLAG				AR CRY 1 FLAG
6124-R	6122-R	6123-53	1304	6124-3	6135-R/6115-R	6135-07/6115-07	6105	1316-001241	1260	6123	1609	6150-R	6102-375	6106-32	6122-3	1607	6133-67/6113-67	6133/6113	6133/6113	6122	6135-02/6115-02	6123	6123	6123	
SC(EX)	BLT DONE	IR ASHV ASHC	EX ILL OP	ET 10	IOT STATUS	EX IR UO	EX ILL JMP			AR I T0 (AR COM)	MC SPLIT WR RQ	MC RD WR PS PULSE			AR NEGATE TO (AR COM)	AR FLAG SET	MI LT=0 MIRT=0		AR AS T1 (AR MBV)	EX USER		MBS + 1		PC + 1	
	IOT DATA 1 V B									ET 0	XCT 0	TR UO A	TR FP CH		AR+1 T1 (AND LT IF ENABLED)	AR A STR (AR COM)	AR CRY FLAG	AR NEGATE TO (AR COM)	MA IRG-12 (1)			MA PC(1)		PC + 1	
	S AC INH	FC(C AC LT VRT)	BLT AST		SAC 2	EX IR UO					XCT 0	MC SPLIT RD RQ	IR 2XX	EX INH RELOCATE	AR AS T0 (AR COM)		MC ILL ADR		PC SET ENABLE	PC+1 INH (ET 0)		MA (0)	MA PICH		
	F AC INH	FC(E) V PSE	ST 3 SAC INH		F C(E) PSE	F C(C AC RT)	E T5 INH				IOT T0	IOT T0	IR UO A FCX 2XX (ACCPV MEM AC)	IR BOOLE	AR+1 (AND LT IF ENABLED)		PC SET V PC+1	PC+1 ENABLE	IR 13-17=0	MC SW STOP		PC MA(1)	MA + 1	PC MA(1)	
	F C(E)		IOT BLT		F AC2 ETC	F C(C AC LT)	F AC2				ET5	BLT T6	BLT T6	IR HWT		MB AR (J) (ET 10)		PC SET ENABLE				MA + 1	PC MA(1)		
			IOT OUT GOING								ET10	BLT T0	BLT T0	IR ACBM				PC SET ENABLE				PC R	PC (2)		

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NOTE: THE 613 AND 6133 ARE INTERCHANGEABLE, THE 6133 IS PREFERRED. THE 611 AND 6135 ARE INTERCHANGEABLE, THE 6135 IS PREFERRED.

REV	NO	DATE	ENG
1	102	7/19/63	S. B. BURBELL
2	103	7/20/63	B. COLEMAN
3	104	7/21/63	B. COLEMAN
4	105	7/22/63	B. COLEMAN
5	106	7/23/63	B. COLEMAN
6	107	7/24/63	B. COLEMAN
7	108	7/25/63	B. COLEMAN
8	109	7/26/63	B. COLEMAN
9	110	7/27/63	B. COLEMAN
10	111	7/28/63	B. COLEMAN
11	112	7/29/63	B. COLEMAN
12	113	7/30/63	B. COLEMAN
13	114	7/31/63	B. COLEMAN
14	115	8/1/63	B. COLEMAN
15	116	8/2/63	B. COLEMAN
16	117	8/3/63	B. COLEMAN
17	118	8/4/63	B. COLEMAN
18	119	8/5/63	B. COLEMAN
19	120	8/6/63	B. COLEMAN
20	121	8/7/63	B. COLEMAN
21	122	8/8/63	B. COLEMAN
22	123	8/9/63	B. COLEMAN
23	124	8/10/63	B. COLEMAN
24	125	8/11/63	B. COLEMAN
25	126	8/12/63	B. COLEMAN

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REV: 10