

OPERATION OF MARKER GROUP START, GROUP END, CLASS & VARIABLE SPILL READER RELAYS

CARD TRANSLATOR	TRANSLATOR CONNECTOR	DECODER										MARKER										
		CONNECTOR RELAYS AND CONTACTS		HOME TRANSLATOR CONNECTOR RELAYS AND CONTACTS		DECODER FOREIGN TRANSLATOR CONNECTOR RELAYS AND CONTACTS		OUTPUT CONTROL RELAYS AND CONTACTS		CONNECTOR RELAYS AND CONTACTS		READER RELAYS AND CONTACTS		RES.	RCD1/2 RELAY CONTACTS	READER RELAYS AND CONTACTS		TROUBLE RECORDER CUT-IN RELAY AND CONTACTS		TROUBLE RECORDER PUNCH		
GSTO	C2	35	7T	HC8	8T	7T	FC8	8T	7T	OC8	8T	3 OR 8	12B	GSTO	11B	GSTO	10B	GSTO	9B	RC1	21	GSTO
GST1	C2	36	9T	HC8	10T	9T	FC8	10T	9T	OC8	10T	4 OR 9	12B	GST1	11B	GST1	10B	GST1	9B	RC1	22	GST1
GSUO	C2	39	1T	HC8	2T	1T	FC8	2T	1T	OC8	2T	10 OR 15	12B	GSUO	11B	GSUO	5B	GSUO	4B	RC1	23	GSUO
GSU1	C2	40	3T	HC8	4T	3T	FC8	4T	3T	OC8	4T	11 OR 16	12B	GSU1	9B	GSU1	5B	GSU1	4B	RC1	24	GSU1
GSU2	C2	41	5T	HC8	6T	5T	FC8	6T	5T	OC8	6T	12 OR 17	12B	GSU2	9B	GSU2	5B	GSU2	4B	RC1	25	GSU2
GSU4	C2	42	7B	HC8	8B	7B	FC8	8B	7B	OC8	8B	13 OR 18	12B	GSU4	9B	GSU4	5B	GSU4	4B	RC1	26	GSU4
GSU7	C2	43	9B	HC8	10B	9B	FC8	10B	9B	OC8	10B	14 OR 19	12B	GSU7	9B	GSU7	5B	GSU7	4B	RC1	27	GSU7
GETO	C2	37	5B	HC8	6B	5B	FC8	6B	5B	OC8	6B	23 OR 28	12B	GETO	11B	GETO	10B	GETO	9B	RC1	28	GETO
GET1	C2	38	11B	HC8	12B	11B	FC8	12B	11B	OC8	12B	24 OR 29	12B	GET1	11B	GET1	10B	GET1	9B	RC1	29	GET1
GEUO	C2	44	1B	HC8	2B	1B	FC8	2B	1B	OC8	2B	30 OR 35	12B	GEUO	9B	GEUO	5B	GEUO	4B	RC1	30	GEUO
GEU1	C2	45	3B	HC8	4B	3B	FC8	4B	3B	OC8	4B	31 OR 36	12B	GEU1	9B	GEU1	5B	GEU1	4B	RC1	31	GEU1
GEU2	C2	46	5T	HC9	6T	5T	FC9	6T	5T	OC9	6T	32 OR 37	12B	GEU2	9B	GEU2	5B	GEU2	4B	RC1	32	GEU2
GEU4	C2	47	7T	HC9	8T	7T	FC9	8T	7T	OC9	8T	33 OR 38	12B	GEU4	9B	GEU4	5B	GEU4	4B	RC1	33	GEU4
GEU7	C2	48	9T	HC9	10T	9T	FC9	10T	9T	OC9	10T	34 OR 39	12B	GEU7	9B	GEU7	5B	GEU7	4B	RC1	34	GEU7
CDLC	C1	54	11T	HC9	12T	11T	FC9	12T	11T	OC9	12T	2 OR 7	7B	CDLC	6B	CDLC	4B	CDLC	3B	RC1	46	CDLC
CLTO	C1	48	1T	HC9	2T	1T	FC9	2T	1T	OC9	2T	43 OR 48	12B	CLTO	11B	CLTO	10B	CLTO	9B	RC1	35	CLTO
CLT1	C1	49	3T	HC9	4T	3T	FC9	4T	3T	OC9	4T	44 OR 49	12B	CLT1	11B	CLT1	10B	CLT1	9B	RC1	36	CLT1
CLUO	C1	15	1B	HC9	2B	1B	FC9	2B	1B	OC9	2B	50 OR 55	12B	CLUO	9B	CLUO	5B	CLUO	4B	RC1	37	CLUO
CLU1	C1	16	3B	HC9	4B	3B	FC9	4B	3B	OC9	4B	51 OR 56	12B	CLU1	9B	CLU1	5B	CLU1	4B	RC1	38	CLU1
CLU2	C1	17	5B	HC9	6B	5B	FC9	6B	5B	OC9	6B	52 OR 57	12B	CLU2	9B	CLU2	5B	CLU2	4B	RC1	39	CLU2
CLU4	C1	18	7B	HC9	8B	7B	FC9	8B	7B	OC9	8B	53 OR 58	12B	CLU4	9B	CLU4	5B	CLU4	4B	RC1	40	CLU4
CLU7	C1	19	9B	HC9	10B	9B	FC9	10B	9B	OC9	10B	54 OR 59	12B	CLU7	9B	CLU7	5B	CLU7	4B	RC1	41	CLU7
TPO	C2	55	7T	HC10	8T	7T	FC10	8T	7T	OC10	8T	20 OR 25	8B	TPO	7B	TPO	7T	TPO	8T	RC1	52	TPO
TP1	C2	56	9T	HC10	10T	9T	FC10	10T	9T	OC10	10T	21 OR 26	8B	TP1	7B	TP1	7T	TP1	8T	RC1	53	TP1
TP2	C2	57	11T	HC10	12T	11T	FC10	12T	11T	OC10	12T	22 OR 27	8B	TP2	7B	TP2	9T	TP2	10T	RC1	54	TP2
SK6	C2	54	5T	HC10	6T	5T	FC10	6T	5T	OC10	6T	42 OR 47	5B	SK6	4B	SK6	4T	SK6	5T	RC2	20	SK6
SK3	C2	53	3T	HC10	4T	3T	FC10	4T	3T	OC10	4T	41 OR 46	7B	SK3	6B	SK3	4T	SK3	5T	RC2	19	SK3
NSK	C2	52	1T	HC10	2T	1T	FC10	2T	1T	OC10	2T	40 OR 45	5B	NSK	4B	NSK	4T	NSK	5T	RC2	18	NSK

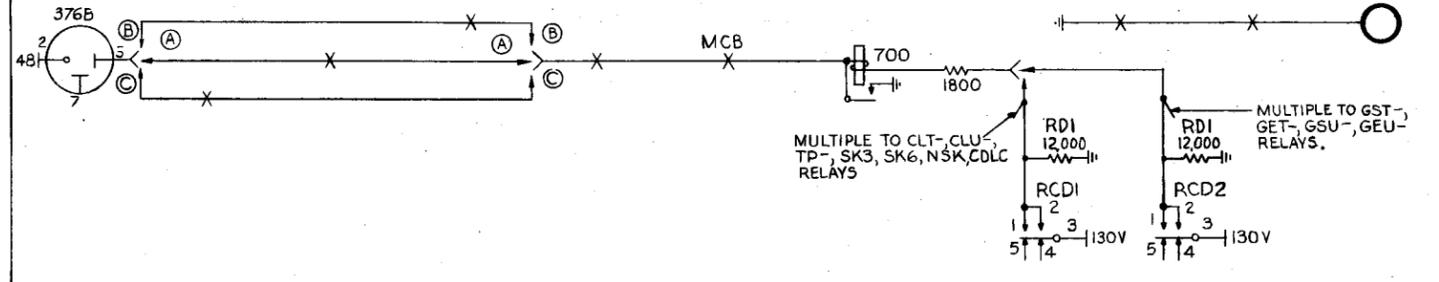


TABLE A

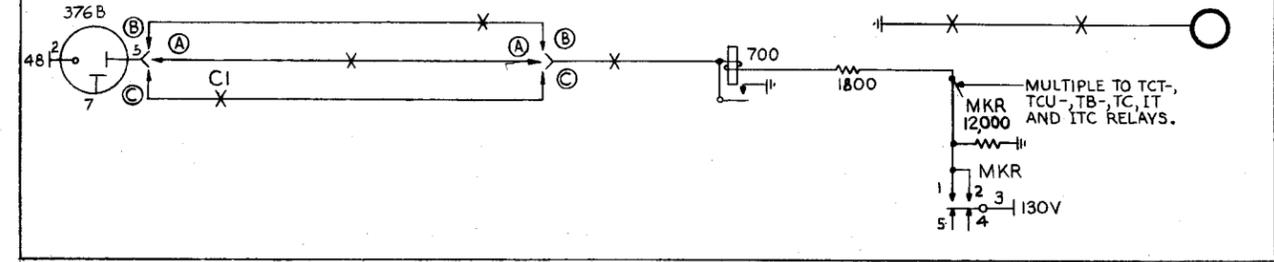
LOCATION OF PHOTO-DETECTORS

EQUIPMENT LEVEL NUMBER	EQUIPMENT COLUMN NUMBER																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1		NCA	CA4	CAS	CA6	IT	TC	ITC			TSO	TS1	TS2	TPC	TPO	TP1	TP2		
2	IND1	HB	BT0	BT1	BUO	BU1	BU2	BU4	BU7	CLTO	CLT1		CLUO	CLU1	CLU2	CLU4	CLU7	CDLC	
3	NAC	AC	AHA	AFA	ART0	ART1	ART2	ART4	ART7	ARU0	ARU1		ARU2	ARU4	ARU7				
4	RIO	RI1	RI2	RI4	RI7	CDC0	CDC1	CDC2	CDC4	CDC7								IND2	
5	CCHN	CCTN	CCUN	CCH0	CCH1	CCH2	CCH4	CCH7	CCT0	CCT1	CCT2	CCT4	CCT7	CCU0	CCU1	CCU2	CCU4	CCU7	
6	NSK	SK3	SK6		TCT0	TCT1	TCT2	TCT4	TCT7	TCU0	TCU1	TCU2	TCU4	TCU7	TBO	TB1	TB2	TB4	TB7
7		GSTO	GST1	GSUO	GSU1	GSU2	GSU4	GSU7		GETO	GET1	GEUO	GEU1	GEU2	GEU4	GEU7			

DECODER
READING CARD TRANSLATOR OUTPUT

OPERATION OF TRUNK BLOCK, TRUNK CONNECTOR AND MARKER SELECTION READER RELAYS

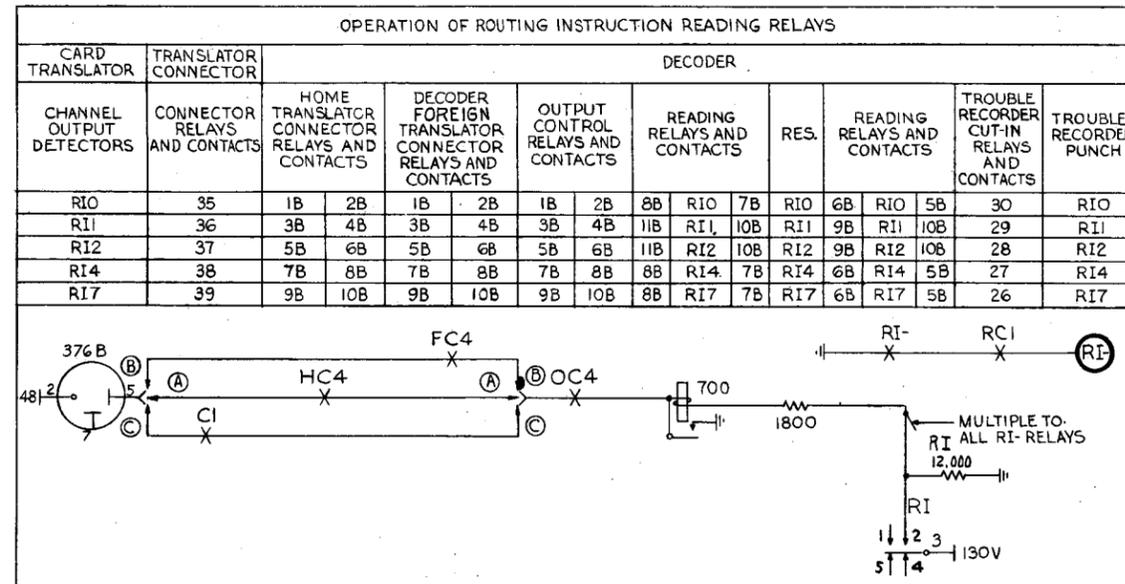
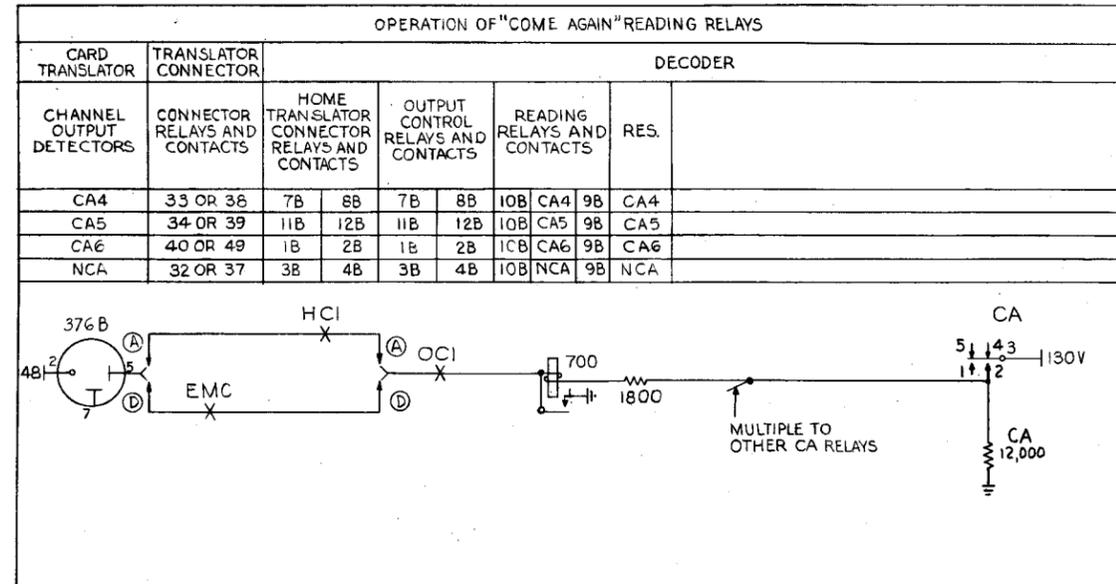
CARD TRANSLATOR	TRANSLATOR CONNECTOR	DECODER										MARKER										
		CONNECTOR RELAYS AND CONTACTS		HOME TRANSLATOR CONNECTOR RELAYS AND CONTACTS		DECODER FOREIGN TRANSLATOR CONNECTOR RELAYS AND CONTACTS		OUTPUT CONTROL RELAYS AND CONTACTS		READER RELAYS AND CONTACTS		RES.	RCD1/2 RELAY CONTACTS	READER RELAYS AND CONTACTS		TROUBLE RECORDER CUT-IN RELAY AND CONTACTS		TROUBLE RECORDER PUNCH				
TCTO	45	1B	HC6	2B	1B	FC6	2B	1B	OC6	2B	12B	TCTO	11B	TCTO	9B	TCTO	10B	TCTO	9B	RC1	10	TBCTO
TCT1	46	3B	HC6	4B	3B	FC6	4B	3B	OC6	4B	12B	TCT1	11B	TCT1	9B	TCT1	10B	TCT1	9B	RC1	9	TBCT1
TCT2	47	5B	HC6	6B	5B	FC6	6B	5B	OC6	6B	12B	TCT2	11B	TCT2	9B	TCT2	10B	TCT2	9B	RC1	8	TBCT2
TCUO	55	7B	HC6	8B	7B	FC6	8B	7B	OC6	8B	10B	TCUO	9B	TCUO	4B	TCUO	5B	TCUO	4B	RC1	15	TBCUO
TCU1	56	9B	HC6	10B	9B	FC6	10B	9B	OC6	10B	10B	TCU1	9B	TCU1	4B	TCU1	5B	TCU1	4B	RC1	14	TBCU1
TCU2	57	1T	HC7	2T	1T	FC7	2T	1T	OC7	2T	10B	TCU2	9B	TCU2	4B	TCU2	5B	TCU2	4B	RC1	13	TBCU2
TCU4	58	3T	HC7	4T	3T	FC7	4T	3T	OC7	4T	10B	TCU4	9B	TCU4	4B	TCU4	5B	TCU4	4B	RC1	12	TBCU4
TCU7	59	5T	HC7	6T	5T	FC7	6T	5T	OC7	6T	10B	TCU7	9B	TCU7	4B	TCU7	5B	TCU7	4B	RC1	11	TBCU7
TBO	30	7T	HC7	8T	7T	FC7	8T	7T	OC7	8T	4B	TBO	3B	TBO	1B	TBO	2B	TBO	1B	RC1	20	TBO
TB1	31	9T	HC7	10T	9T	FC7	10T	9T	OC7	10T	4B	TB1	3B	TB1	1B	TB1	2B	TB1	1B	RC1	19	TB1
TB2	32	11T	HC7	12T	11T	FC7	12T	11T	OC7	12T	4B	TB2	3B	TB2	1B	TB2	2B	TB2	1B	RC1	18	TB2
TB4	33	9B	HC7	10B	9B	FC7	10B	9B	OC7	10B	4B	TB4	3B	TB4	1B	TB4	2B	TB4	1B	RC1	17	TB4
TB7	34	11B	HC7	12B	11B	FC7	12B	11B	OC7	12B	4B	TB7	3B	TB7	1B	TB7	2B	TB7	1B	RC1	16	TB7
TC	50	5T	HC5	6T	5T	FC5	6T	5T	OC5	6T	7B	TC	6B	TC	2B	TC	1B	TC	1B	RC	10	TC
ITC	51	3T	HC5	4T	3T	FC5	4T	3T	OC5	4T	5B	ITC	4B	ITC	2B	ITC	1B	ITC	1B	RC	9	ITC
IT	52	1T	HC5	2T	1T	FC5	2T	1T	OC5	2T	7B	IT	6B	IT	4B	IT	5B	IT	4B	RC	8	IT



OPERATION OF BOX NUMBER, TRAFFIC SEPARATION, AND AREA CODE ROUTING READER RELAYS

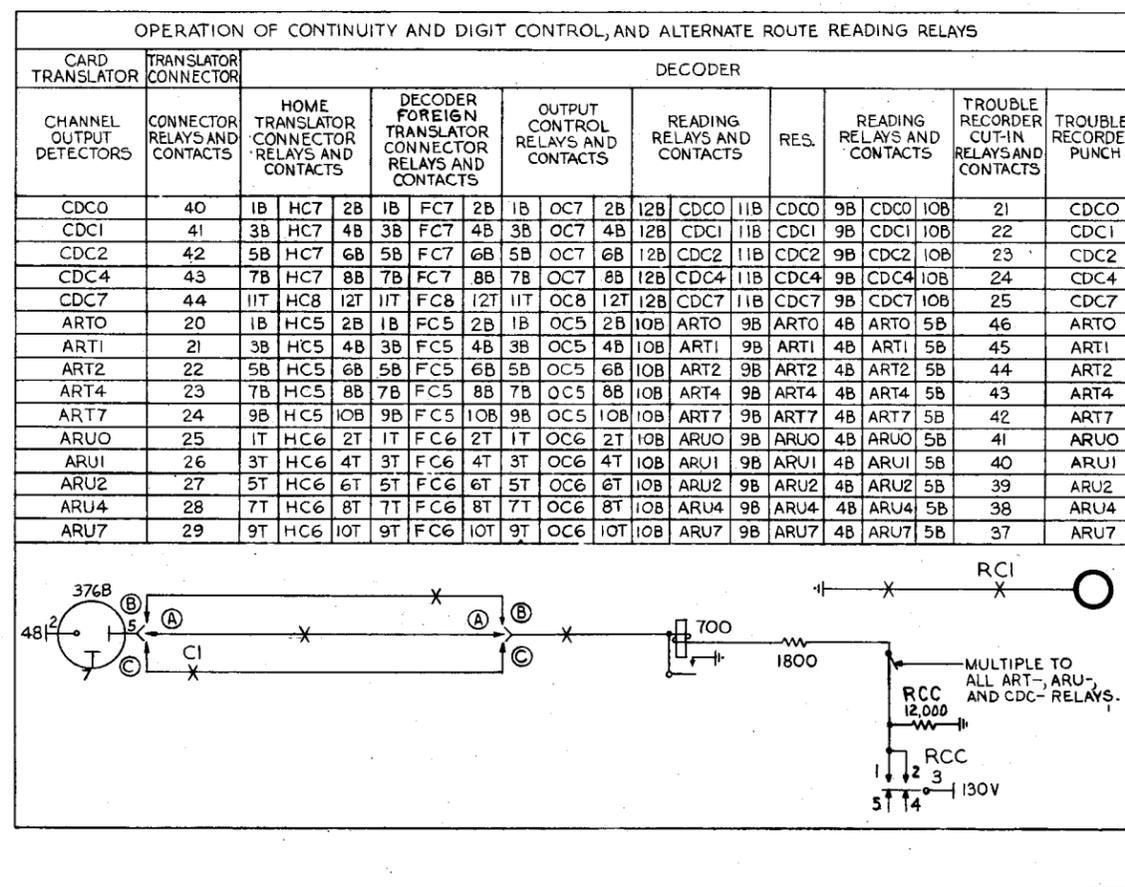
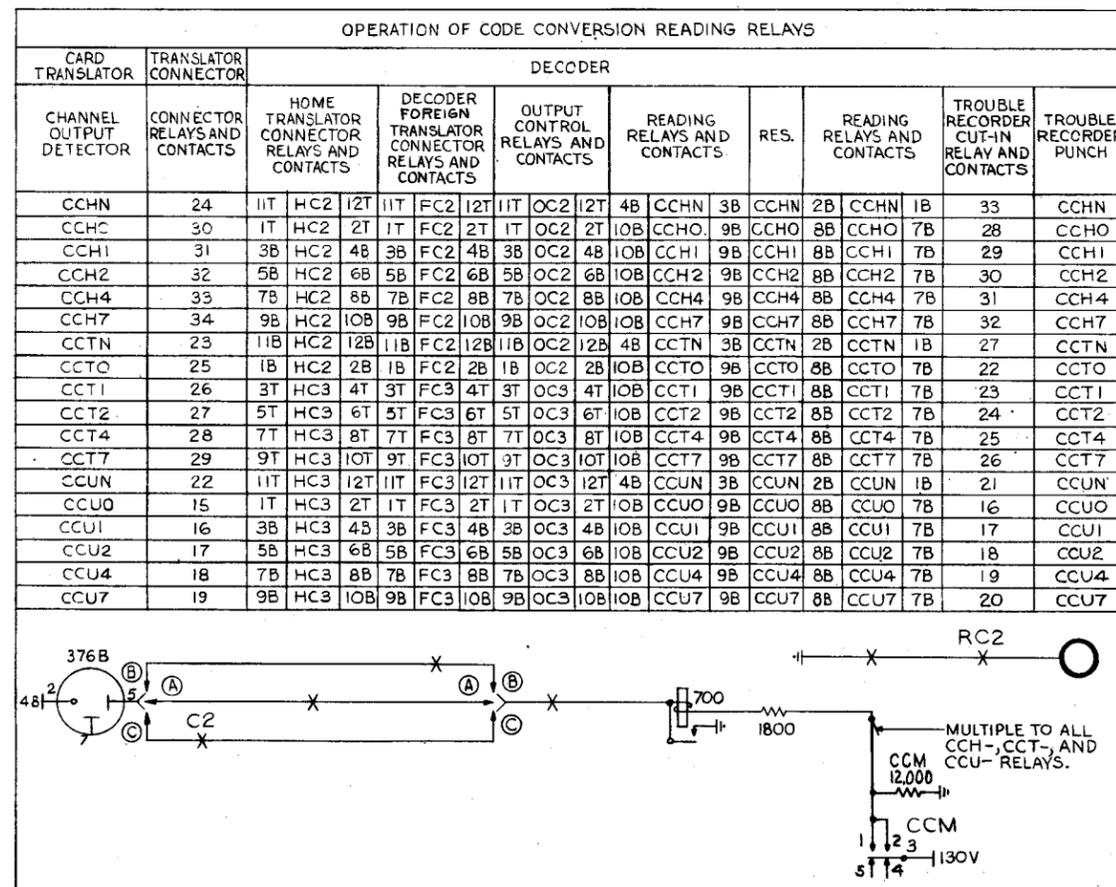
CARD TRANSLATOR	TRANSLATOR CONNECTOR	DECODER										MARKER										
		CONNECTOR RELAYS AND CONTACTS		HOME TRANSLATOR CONNECTOR RELAYS AND CONTACTS		DECODER FOREIGN TRANSLATOR CONNECTOR RELAYS AND CONTACTS		OUTPUT CONTROL RELAYS AND CONTACTS		READER RELAYS AND CONTACTS		RES.	RCD1/2 RELAY CONTACTS	READER RELAYS AND CONTACTS		TROUBLE RECORDER CUT-IN RELAY AND CONTACTS		TROUBLE RECORDER PUNCH				
HB	EMC	22 OR 27	5B	HC1	6B					5B	OC1	6B	5B	HB	4B	HB	2B	HB	1B	RC	35	6DTH
BTO	EMC	20 OR 25	9T	HC1	10T					9T	OC1	10T	9T	BTO	8T	BTO	5T	BTO	6T	RC2	4	6DTH
BT1	EMC	21 OR 26	11T	HC1	12T					11T	OC1	12T	6T	BT1	7T	BT1	1T	BT1	2T	RC2	5	6DTH
BUO	EMC	10 OR 15	1T	HC1	2T					1T	OC1	2T		MBU0								
BUI	EMC	11 OR 16	3T	HC1	4T					3T	OC1	4T		MBU1								
BU2	EMC	12 OR 17	5T	HC1	6T					5T	OC1	6T		MBU2								
BU4	EMC	13 OR 18	7T	HC1	8T					7T	OC1	8T		MBU4								
BU7	EMC	14 OR 19	9B	HC1	10B					9B	OC1	10B		MBU7								
TSO	C2	49	1T	HC4	2T	1T	FC4	2T	1T	OC4	2T	5B	TSO	4B	TSO	5T	TSO	4T	RC1	6	TSO	
TS1	C2	50	3T	HC4	4T	3T	FC4	4T	3T	OC4	4T	5B	TS1	4B	TS1	5T	TS1	4T	RC1	5	TS1	
TS2	C2	51	5T	HC4	6T	5T	FC4	6T	5T	OC4	6T	10B	TS2	9B	TS2	8B	TS2	7B	RC1	4	TS2	
TPC	C1	53	11T	HC4	12T	11T	FC4	12T	11T	OC4	12T	5B	TPC	4B	TPC	5T	TPC	4T	RC1	7	TPC	
NAC	EMC	31 OR 36	3T	HC2	4T					3T	OC2	4T	10B	NAC	9B	NAC	8B	NAC	7B	RC2	15	NAC
AC	EMC	30 OR 35	5T	HC2	6T					5T	OC2	6T	9B	AC	8B	AC	7B	AC	6B	RC2	12	AC
AHA	EMC	24 OR 29	7T	HC2	8T																	

ISSUE	DATE	BY	CHKD
1	7-6-57		
2	9-7-53		



NOTES:

OS OPTION	FEATURE OR OPTION	SD OPTION	SD
A	FOR HOME TRANSLATOR	FIG. 14 Y	68340-01 68342-01
B	FOR DECODER FOREIGN TRANSLATOR	FIG. 15 W	68340-01 68342-01
C	FOR FOREIGN TRANSLATOR	Z	68341-01 68342-01
D	FOR EMERGENCY TRANSLATOR	FIG. 3 X	68341-01 68342-01



DECODER CONNECTOR CKT.	SD-68339-01, SS. 4
DECODER CKT.	SD-68340-01, SS. 8
TRANSLATOR CONNECTOR CKT.	SD-68341-01, SS. 6
CARD TRANSLATOR CKT.	SD-68342-01, SS. 6
MARKER CKT.	SD-68388-01, SS. 7
MARKER CONNECTOR CKT.	SD-68395-01, SS. 5

DECODER
READING CARD TRANSLATOR OUTPUT