

TRAFFIC SEPARATION REGISTER LEADS GROUNDED

TS POSITIONS PUNCHED	TRAFFIC SEPARATION REGISTER GROUP (FROM INCOMING TRUNKS, SEE OS 120-1)			
	1	2	3	4
0	A1	A2	A3	A4
1	B1	B2	B3	B4
2	C1	C2	C3	C4
0 AND 1	D1	D2	D3	D4
0 AND 2	E1	E2	E3	E4
1 AND 2	F1	F2	F3	F4
0, 1, AND 2	G1	G2	G3	G4

PEG COUNT AND OVERFLOW

TP POSITIONS PUNCHED	PEG COUNT REGISTER GROUP SEE OS 196-1	OVERFLOW REGISTER GROUP SEE OS 196-1
0	0	0
1	1	1
2	2	2
0 AND 1	3	3
0 AND 2	4	4
1 AND 2	0	NONE
0, 1, AND 2	NONE	0

CLASS AND CANCEL DELAY LOOP CLOSURE

CL POSITIONS PUNCHED	TENS	UNITS	OUTPULSE CLASS INFORMATION	CDC POSITION PUNCHED
0	0,1	DC KEY PULSE	YES	
0	0,2	MULTIFREQUENCY	NOTE 10	
0	1,4	SX DIAL	YES	
0	2,4	SX DIAL, EXPECT DELAY DIAL	YES	
0	0,7	SX DIAL, EXPECT STOP-GO	YES	
0	1,7	LOOP DIAL, SIMPLEX RING	NO	
0	2,7	LOOP DIAL, C.D.O. OFFICE	YES	
1	4,7	LOOP DIAL, EXPECT STOP-GO	NO	
1	0,1	LOOP DIAL, 20 CYCLE RING	NO	
1	0,2	LOOP DIAL, EXPECT DELAY DIAL	NO	
1	1,2	LOOP DIAL, EXPECT DELAY DIAL, EXPECT STOP-GO	NO	
1	0,4	SX DIAL, EXPECT DELAY DIAL, EXPECT STOP-GO	YES	

ROUTING INSTRUCTIONS

RI POSITIONS PUNCHED	INSTRUCTION
4, 7	CARD TO CARD
0, 1	CARD TO RELAY
0, 2	RELAY TO RELAY
1, 2	FOLLOW WITH OVERFLOW
0, 4	FOLLOW WITH REORDER
1, 4	FOLLOW WITH MASTER BUSY
2, 4	FOLLOW WITH SECOND TRIAL
0, 7	NO PRINCIPAL CITY ROUTING

ALSO INDICATES PRINCIPAL CITY ROUTING ON 3D CARD USED IN PRETRANSLATION

CONTINUITY AND DIGIT CONTROL

CDC POSITION PUNCHED	NUMBER OF NUMERICAL DIGITS EXPECTED	LOOP CONTINUITY TEST
4 AND 7	VARIABLE	CANCELLED
0 AND 1	VARIABLE	MADE
0 AND 2	NONE	CANCELLED
1 AND 2	NONE	MADE
0 AND 4	4	CANCELLED
1 AND 4	4	MADE
2 AND 4	5	CANCELLED
0 AND 7	5	MADE

TRANSLATOR CARD CODING
OUTPUT INFORMATION

RM3-5

2 SHEETS, SHEET 1

NO. 4A OR 4M TOLL

ORDER AS BSP ITEM MP-11713

BELL TELEPHONE LABORATORIES, INC.

PRINTED IN U. S. A.

ISSUE 1 2 3 4 5 6 7 8 9 10 11 12
DATE 1-18-52 10-15-53

2 SHEETS, SHEET 1

MP-11713

TYPICAL CARDS

EXHIBIT NO.	HOLE DESIGNATION	IN HOME BOX									IN HOME BOX, DECODER F.A. BOX OR F.A.T. BOX			
		1	2	3	4	5	6	7	8	9	10	11	12	13
OUTPUT INFORMATION		AREA CODES-3D 3-DIGIT TRANSLATION	AREA CODES-3D PRIN. CITY ROUTING	AREA CODES-3D PRIN. CITY ROUTING	NAT. OFF. CODES-3D 3-DIGIT TRANSLATION	SERVICE CODE-3D 3-DIGIT TRANSLATION	HOME TOLL CEN. CODE-3D	TX CODE 3D 2-DIGIT TX CODES	TX CODES 3D 3-DIGIT TX CODES	ALTERNATE ROUTE AR	TX CODES 6D 4- OR 5-DIGIT TRANSLATION	HOME TC + SERVICE OR 1-D TX CODE 6-DIGIT TRANSLATION	TC CODES 6D 2-& 3-DIGIT TX CODES	FOREIGN AREA 6D 6-DIGIT TRANSLATION
PRETRANSLATION	NCA	YES	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	
	CA-4	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	
	CA-5	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	
	CA-6	NO	YES	YES	NO	NO	YES	NO	NO	NO	NO	NO	NO	
OGT APPEARANCE (TWO TRAIN OFFICES ONLY)	IT	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	TC	SEE NOTE 1	YES	NO	YES	YES	NO	NO	NO	NO	YES	YES	YES	
	ITC	SEE NOTE 2	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
AREA CODE CONTROL	NAC	NO	NO	NO	YES	YES	YES	YES	YES	NO	NO	NO	NO	
	AC	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	
	AHA	NO	NO	NO	NO	NO	NO	NO	NO	SEE NOTE 3	NO	NO	NO	
	AFA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
ALTERNATE ROUTE PATTERN NUMBERS	ART-2/5 AND ARU-2/5	SEE NOTE 4	SEE NOTE 4	NO	SEE NOTE 4	NO	NO	NO	NO	NO	YES - IF REACHED THROUGH TANDEM	NO	SEE NOTE 4	
ROUTING INSTRUCTIONS SH. 1	RI-2/5	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
CODE CONVERSION	CCHN	SEE NOTE 5	YES	NO	SEE NOTE 5	YES	NO	NO	NO	NO	YES	YES	SEE NOTE 5	
	CCUN	SEE NOTE 5	YES	NO	SEE NOTE 5	YES	NO	NO	NO	NO	YES	YES	SEE NOTE 5	
	CCH-2/5	SEE NOTE 6	NO	NO	SEE NOTE 6	NO	NO	NO	NO	YES - FOR CODE MATCHING	NO	NO	SEE NOTE 6	
	CCT-2/5	SEE NOTE 6	NO	NO	SEE NOTE 6	NO	NO	NO	NO	YES - FOR CODE MATCHING	NO	NO	SEE NOTE 6	
	CCU-2/5	SEE NOTE 6	NO	NO	SEE NOTE 6	NO	NO	NO	NO	YES - FOR CODE MATCHING	NO	NO	SEE NOTE 6	
VARIABLE SPILLING CONTROL	NSK	AS REQ.	AS REQ.	NO	AS REQ.	NO	NO	NO	NO	NO	NO	NO	AS REQ.	
	SK-3	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	AS REQ.	
	SK-6	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO	
TBC GROUP START GROUP END	TCT-1/3	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	TB-2/5	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	GBT-1/2	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	GBT-2/5	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	GET-1/2	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	GEU-2/5	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
TRANSLATOR BOX NUMBER	HB	NO	YES	YES	NO	NO	SEE NOTE 7	SEE NOTE 7	SEE NOTE 7	NO	NO	NO	NO	
	BU-2/5	NO	YES	YES	NO	NO	SEE NOTE 7	SEE NOTE 7	SEE NOTE 7	NO	NO	NO	NO	
CLASS	CLT-1/2	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	CLU-2/5	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	CDLC	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
CONTINUITY AND DIGIT CONTROL	CDC-2/5	YES	YES	NO	YES	YES	NO	NO	NO	NO	YES	YES	YES	
	TS-0	YES	YES	SEE NOTE 8	YES	YES	NO	NO	NO	NO	YES	YES	SEE NOTE 9	
	TS-2	YES	YES	SEE NOTE 8	YES	YES	NO	NO	NO	NO	YES	YES	SEE NOTE 9	
THROUGH TRAFFIC PEG COUNT SEE SH. 1	TPC	YES	YES	YES	YES - EXCEPT WHEN CODE IS IN LOCAL SERVICE AREA OF CSP	NO	NO	NO	NO	NO	NO	NO	NO	
TRK. GROUP PEG COUNT & OVERFLOW	TP-0	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	
	TP-2	YES	YES	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES	

YES = HOLE PUNCHED
NO = HOLE NOT PUNCHED

- NOTES:
1. IT OR TC PUNCHED DEPENDING UPON TRAIN LOCATIONS OF OG TRUNK.
 2. ITC PUNCHED WHEN SERVICE TRUNKS APPEAR ON BOTH TRAINS.
 3. USE AFA WHEN TRUNKS TERMINATE IN A FOREIGN AREA. USE AHA WHEN TRUNKS TERMINATE IN THE HOME AREA.
 4. YES WHEN RR OR CR ROUTING INSTRUCTION IS USED; OTHERWISE NO.
 5. NO FOR DIGITS REQUIRING CODE CONVERSION OR PREFIXING; OTHERWISE YES.
 6. YES FOR DIGITS REQUIRING CODE CONVERSION OR PREFIXING; OTHERWISE NO.
1, 2, OR 3 DIGITS MAY BE CONVERTED OR PREFIXED.
 7. HB OR DFA PUNCHED DEPENDING ON LOCATION OF 6D CARD.
 8. YES IF ONLY ONE TRAFFIC SEPARATION IS REQUIRED FOR THE CALLED AREA.
NO IF TWO OR MORE TRAFFIC SEPARATIONS ARE REQUIRED FOR THE CALLED AREA.
 9. NO IF ONLY ONE TRAFFIC SEPARATION IS REQUIRED FOR THE CALLED AREA.
YES IF TWO OR MORE TRAFFIC SEPARATIONS ARE REQUIRED FOR THE CALLED AREA.
 10. CDLC POSITION IS PUNCHED IF OUTGOING TRUNK IS GUARDED.
CDLC POSITION IS NOT PUNCHED IF OUTGOING TRUNK IS UNGUARDED.
FOR #14M OUTGOING TRUNK TOLL COMPLETING MF REQUIRES CDLC PUNCH.

ISSUE	1	1	2	3
DATE	1-18-52	10-15-53		