

SHEET INDEX

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105. WHEN THE STATION DIAL TRANSFER FEATURE IS ADDED TO AN EXISTING PBX, THE OPTIONS IN TABLE A SHOULD BE PROVIDED.

STATION DIAL TRANSFER TRUNK ISSUE NO.	ATTENDANT TRUNK ISSUE NO.	OPTION IN ATTENDANT TRUNK		MISCELLANEOUS
		ADD	REMOVE	
6D OR LATER	18D OR EARLIER	ZH	ZG	
6D OR LATER	19D OR LATER	ZH	ZI	
5D OR EARLIER	ANY			ADD BUFFER SPRINGS TO RELAYS SMTA AND SMTB IN THE LINE, LINK AND MARKER CIRCUIT PER SD-65741-01

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER	TERM. DESIG
AT	1-1/3	-48V PROTECTED	ATT TRK CKT	
BATTERY SYMBOL		VOLTAGE RANGE		
-48		45-52V		
20-		75-110V AC; 45-52V DC		

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WIRING	QUANTITY
OPERATION WITHOUT PBX ATTENDANT	1	X	1 PER CKT
OPERATION WITH CORDLESS ATTENDANT POSITION NO. 1.	1	W,Y,G	
OPERATION WITH CORDLESS ATTENDANT POSITION NO. 2	1	W,G	
OPERATION WITH CORD SWBD AS ATTENDANT POSITION NO. 1	556A 808A OR G	1,2	Z
USED WITH STATION DIAL TRANSFER TRUNKS	YES		ZH
	NO		ZI
OPERATION OF ATTENDANT TRUNK NO.2 WITH BUSY VERIFICATION AUXILIARY TRUNK CIRCUIT			F

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	ADM	MD
8D	N OR Q	Q		M		Q
8D	R OR S	S		R		S
8D	V OR T	V		T		V
10D	M	NONE		M		
11B	J OR K	K		J		K
12B	G OR H	H	102	G		H
13D	E OR F	E	102	E,B,F		
14D	A	NONE	102	A		
15D	ZA	ZB		ZA		ZB
16D	ZC OR ZD	ZC		ZD		ZC
18D	ZE OR ZF	ZE		ZF		ZE
	ZG OR ZI	NONE	105	ZI		ZG
19D	ZH	ZG OR ZI	105	ZH		
20D	ZG, ZI OR ZH	ZG	105	ZH		ZG

SUPPORTING INFORMATION

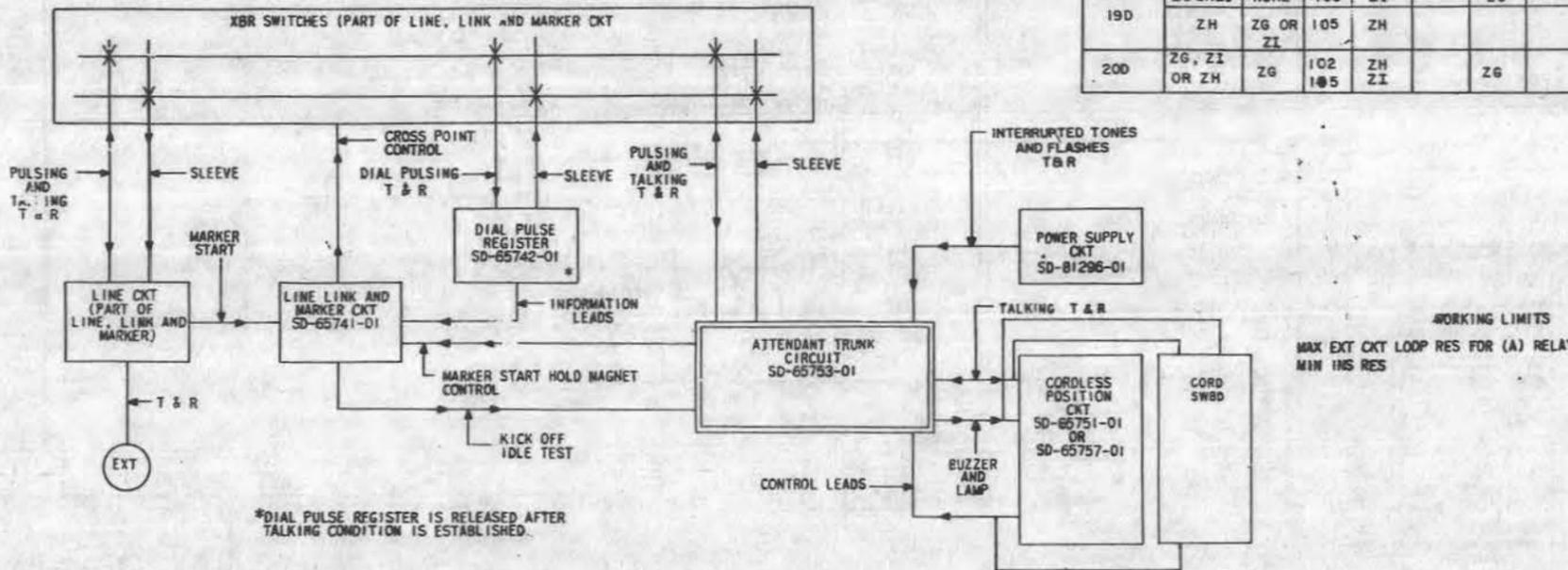
CATEGORY	NO.
756A PBX CABLING DIAGRAM	SD-65746-01
EQUIPMENT DRAWINGS	J58829N-1
OPERATION TEST BSP	551-182-501

TRANSMISSION TEST REQUIREMENTS (1000- LOSS BETWEEN 6000 LINES)

MAX. ALLOWABLE CKT LOSS (db)
0.2

ALLOWABLE INDIVIDUAL APPARATUS LOSSES (db)					
APPARATUS RELAY	DESIG	CODE	MAX. LOSS	MIN. LOSS	REMARKS
	A	AJ26	0.2		

INFORMATION NOTES:
301. BLOCK DIAGRAM



OPTION INDEX

APP OR WRG	LOCATION	APP OR WRG	LOCATION
Z	2B8, 2C9, 2D6, 2F8	ZC	APP FIG. 1, 2B2, 2D4, 2D7, 2E4, 2F3, 2G3, 2H1
Y	2F7, 2F8		
X	2C4, 2C5		
W	2B4, 2B5, 2C4, 2E3	ZD	APP FIG. 1, 2B2, 2C1, 2D4, 2D7, 2E3, 2E4, 2F7, 2G3, 2G4, 2H1
V	2A8, 2B8		
T	2A6	ZE	2C9
S	2A8, 2A9, 2B9, 2F5	ZF	2C9
R	2A8, 2A9, 2B9, 2F4, 2F5, 2H5	ZG	2G6
Q	2D5	ZH	2G7
N	2D5	ZI	2G7
M	2H8		
K	2A7		
J	2A7		
H	2C4		
G	2D4		
F	SHEET 2		
E	SHEET 2		
A	2B8, 2C8, 2D8, 2F8		
ZA	2D4, 2D5, 2D8, 2E3, 2F4, 2H5		
ZB	2D5, 2H5		

WORKING LIMITS
MAX EXT CKT LOOP RES FOR (A) RELAY 2370Ω
MIN INS RES 20,000Ω

SD-65753-01 3J07 ISSUE MFR DISC. 21D

PBX SYSTEMS
NO. 756A
ATTENDANT TRUNK CIRCUIT

SD-65753-01-1 (ATT T.K.) 4 SHEETS

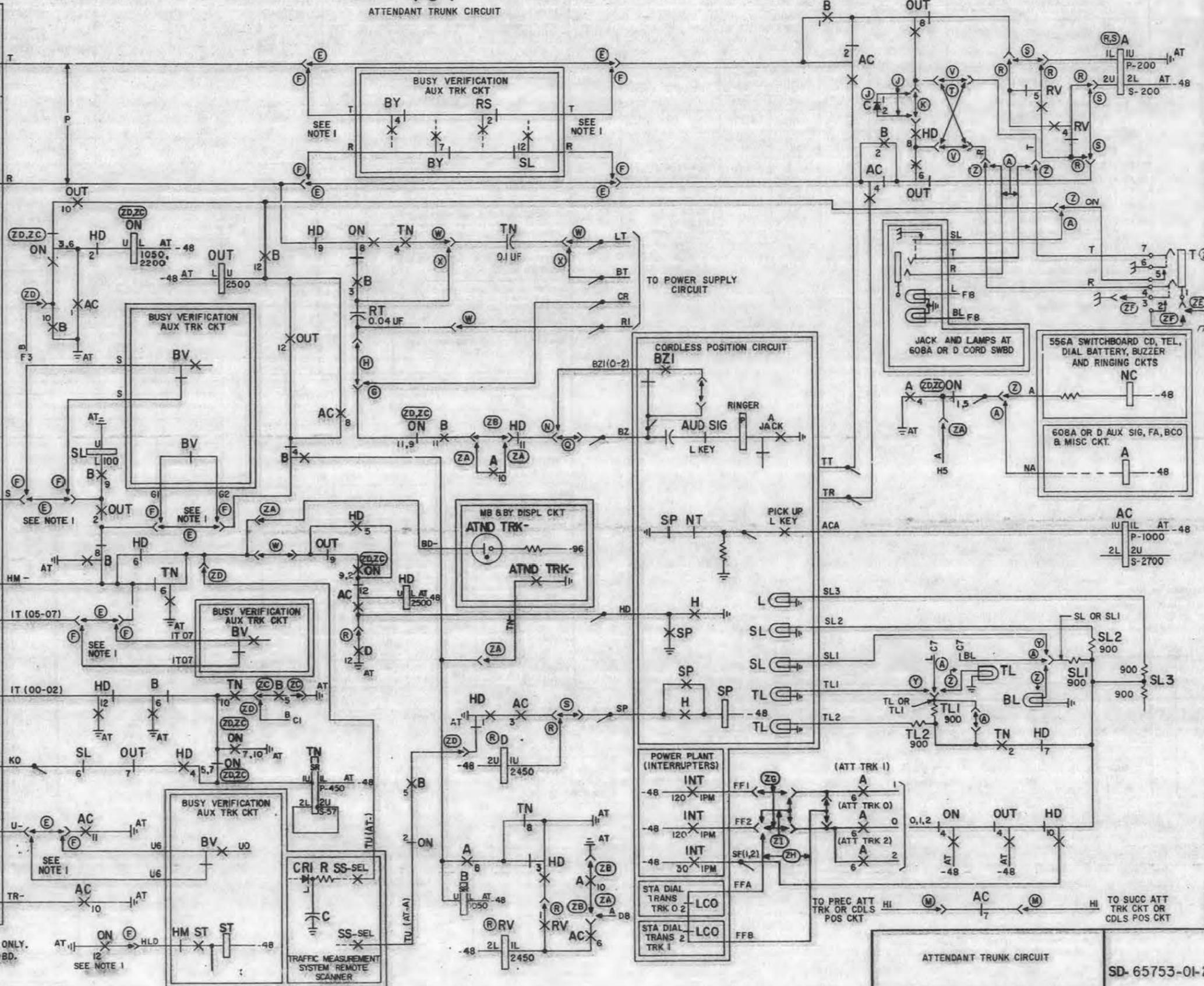
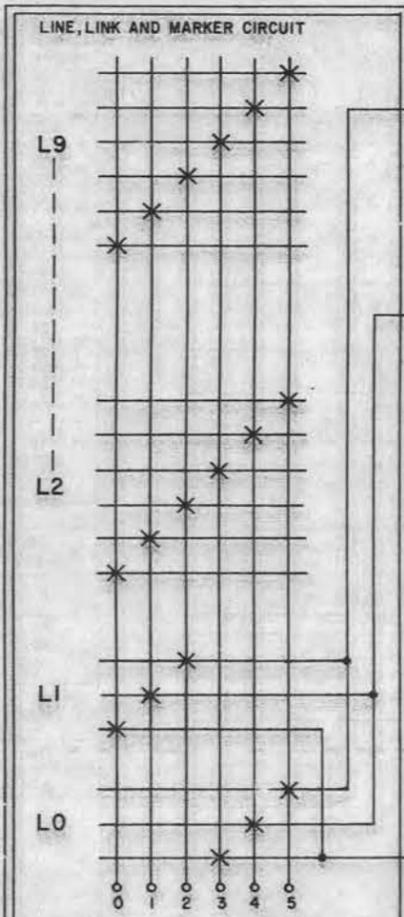
BELL TELEPHONE LABORATORIES INCORPORATED 6S PRINTED IN U.S.A.

DWG ISSUE	CD ISSUE	DATE ISSUED	APPROVED
1	1	5-3-56	E.D. R.A.P. F.G.S. H.A.A.
2B	2B	8-22-56	A.F.F. T.A.P. H.A.S. H.A.A.
3B	3B	3-11-57	A.F.F. T.A.P. H.A.S. H.A.A.
4AR	2B	5-31-57	J.W.M. R.A.P. F.G.S. H.A.A.
5A	3A	10-3-57	F.G.S. H.A.A.
6B	3A	6-24-58	J.A.F. H.A.S. M.S. H.A.A.
7D	4D	7-9-59	A.D.I. H.A.S. M.S. H.A.A.
8D	5D	4-15-60	R.T. H.A.S. M.S. H.A.A.
9B	5D	8-5-60	V.S. H.A.S. M.S. H.A.A.
10D	6D	10-11-60	R.T. H.A.S. M.S. H.A.A.
11B	7B	8-1-61	V.S. H.A.S. M.S. H.A.A.
12B	7B	2-6-62	F.A.K. H.A.S. M.S. H.A.A.
13D	7B	1-7-64	R.G.B. H.A.S. M.S. H.A.A.
14D	7B	9-30-64	W.A.M. H.A.S. M.S. H.A.A.
15D	7B	5-11-67	F.E.D. H.A.S. M.S. H.A.A.
16D	7B	5-10-69	E.C. H.A.S. M.S. H.A.A.
17A	7B	6-1-71	L.E.D. H.A.S. M.S. H.A.A.
18D	8D	5-25-72	H.B.W. H.A.S. M.S. H.A.A.
19D	8D	1-10-73	G.D.T. H.A.S. M.S. H.A.A.
20D	8D	3-30-73	W.H.F. H.A.S. M.S. H.A.A.
21D	8D	2-26-74	A.N.S. H.A.S. M.S. H.A.A.

FS I
ATTENDANT TRUNK CIRCUIT

DRAWING ISSUE	
1	FOR RAC
2B	FOR WS
3B	FOR PD
4B	FOR A
5A	FOR W.F.D.
6B	FOR T.E.B.
7D	FOR T.E.E.
8D	FOR T.E.E.
9B	FOR T.E.E.
10D	FOR T.E.E.
11B	FOR N.Y.
12B	FOR HO
13D	FOR HO
14D	FOR HW
WORN DRAWING REPRODUCED WITHOUT CHANGES	
10-4-66	E.E.D.
15D	FOR RHP
16C	FOR RHP
17A	FOR RHP

ISSUE
21D
OR



SHEET NOTES:
1. OPTION F SHALL BE APPLIED ATTENDANT TRUNK NO. 2 ONLY.
2. JACK T AND LAMPS BL & TL ARE LOCATED IN CORD SWBD.

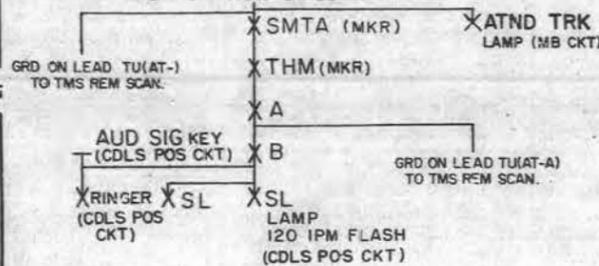
ATTENDANT TRUNK CIRCUIT
SD-65753-01-2

SD-65753-01-2

DRAWING ISSUE	
1	LDG
2B	AFF
3B	FCG
4AR	LCC
5A	FCG
6B	FCG
7D	FCG
8D	FCG
9B	FCG
10D	FCG
11B	FCG
12B	FCG
13D	FCG
14D	FCG
15D	FCG
16D	FCG
17A	FCG

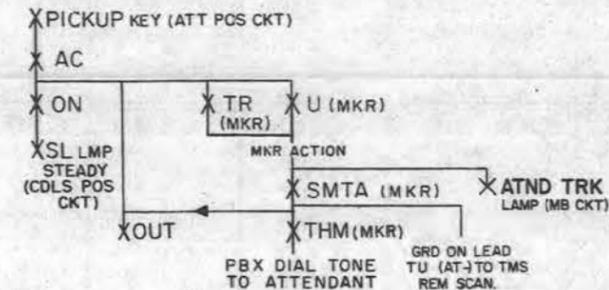
SC 1

SEIZURE
PBX STATION DIALS "0"



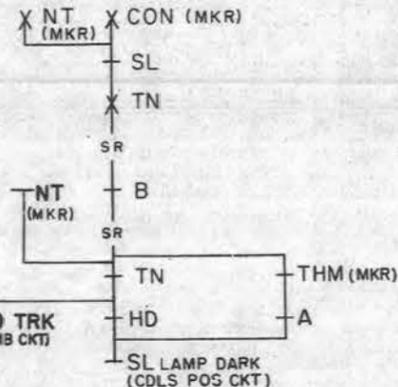
SC 5

ATTENDANT ORIGINATES CALL



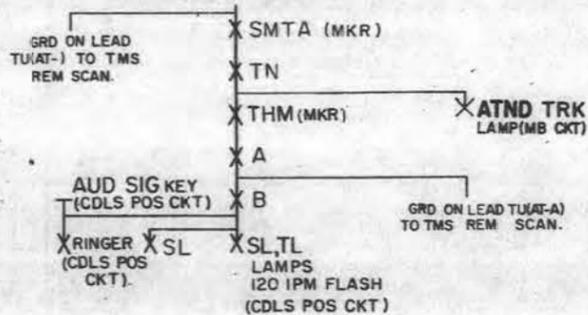
SC 8

KICK OFF



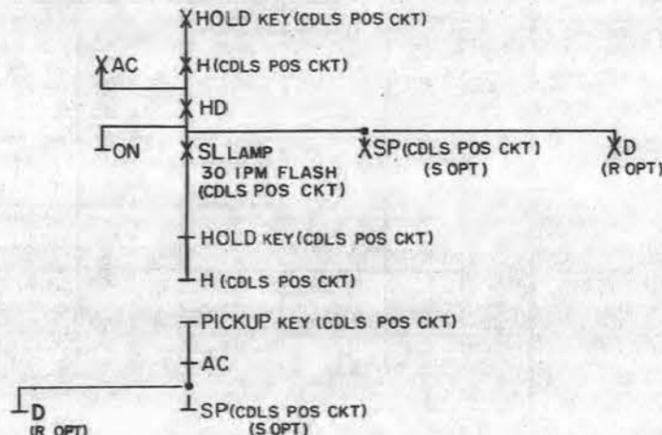
SC 2

SEIZURE
RESTRICTED STATION DIALS "9"
OR REGISTER TIMES OUT



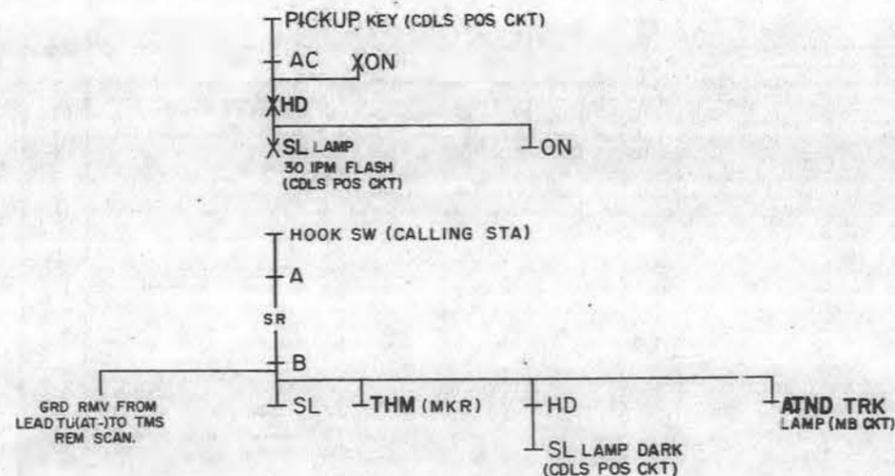
SC 6

ESTABLISHING HOLD CONDITION



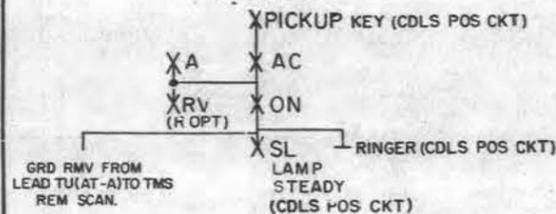
SC 9

ATTENDANT DISCONNECTS BEFORE CALLING STATION IS "ON HOOK"
AFTER ANSWERING AN INCOMING CALL - NO HOLD CONDITION ESTABLISHED



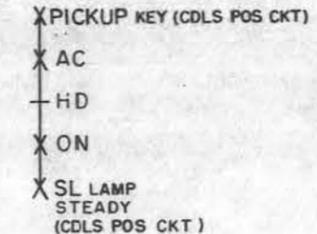
SC 3

ATTENDANT ANSWERS
(SEE SC 1)



SC 7

ATTENDANT RE-ENTERS TRUNK
AFTER HOLD CONDITION WAS ESTABLISHED

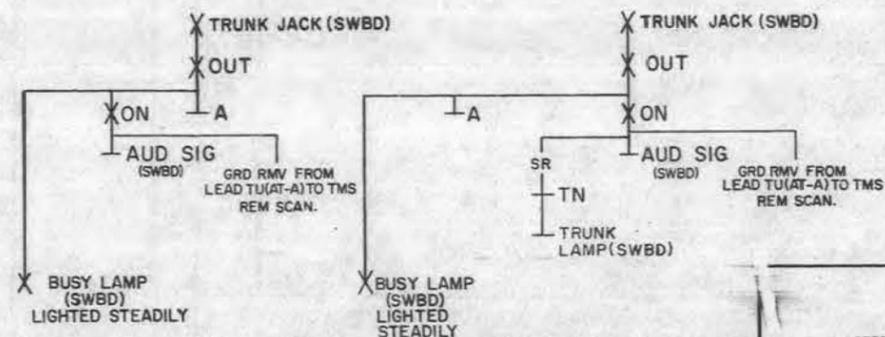


SC 10

CORD SWITCHBOARD OPERATION

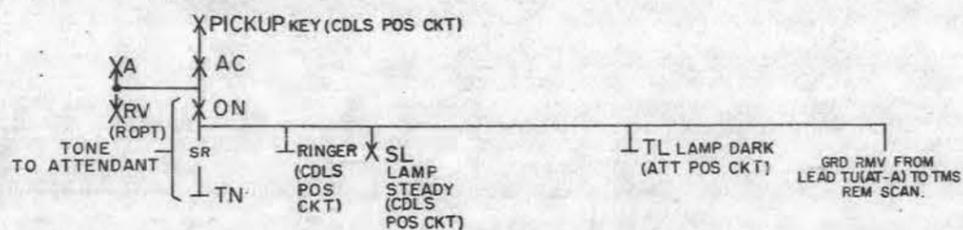
NOTES: 1 SEIZURE OF TRUNK BY DIALING 0 SEE SC 1
2 SEIZURE OF TRUNK INTERCEPTING SEE SC 2

ATTENDANT ANSWERS (SEE SC 1) ATTENDANT ANSWERS (SEE SC 2)



SC 4

ATTENDANT ANSWERS
(SEE SC 2)



ATTENDANT TRUNK CIRCUIT

SD-65753-01-3

BELL TELEPHONE LABORATORIES

65

ISSUE 21D

SD-65753-01-3

CIRCUIT REQUIREMENTS
NO. 756A ATTENDANT TRUNK CIRCUIT (ATT TR)

APPARATUS				MECH REQ				CIRCUIT PREPARATION				DIRECT CURRENT FLOW TEST				REMARKS
DESIG	CODE	OPTION	LOC	BSP FIG	CONT PRESS	ARM TRVL	BLOCK OR INSULATE	TEST CLIP DATA	TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK	TEST	READJ	
				CONN BAT.	CONN GRD					MA.	MA.	MA.				
RELAYS																
A	AJ26	S	I	55B				1L(A)	2U(A)	M	3	P/S	O	16.5	15.5	
								1L(A)	2U(A)	M	3	P/S	R	7.1	6.2	
A	AJ57	R	I	237				1L(A)	2U(A)	M		P/S	O	20	19	
								1L(A)	2U(A)	M		P/S	R	2.6	2.7	
AC	AG32		I	224B				1U(AC)	GRD	2	P	C	FS	18.5	17.5	
								1U(AC)	GRD	2	P	NO	FS	8.7	9.2	
								1U(AC)	GRD	2	P	H	FS	3.7	3.5	
								1U(AC)	GRD	2	P	R	FS	1.7	2.	
B	AG7		I	241B				1U(B)	GRD	1	P	O	36	17.5	16.5	
								1U(B)	GRD	1	P	H	36	3.2	3.	
								1U(B)	GRD	1	P	R	36	1.6	1.9	
D	1/2AK4	R	I	202				1U(D)	GRD					11.9	11.3	
MOUNTED WITH (RV)																
HD	AJ5		I	220			12B(AC)	1U(HD)	GRD					13.2	12.6	
ON	AJ27	ZC	I	213			(HD)O	1U(ON)	GRD					14.9	14.2	
								1U(ON)	GRD					9.2	8.6	
ON	AJ103	ZD	I	299			(HD)O	1U(ON)	GRD					24.7	23.5	
								1U(ON)	GRD					11	11.6	
OUT	AF9		I	213			(B)(ON)O	1U(OUT)	GRD					8.6	8.2	
RV	1/2AK4	R	I	202				1L(RV)	GRD					11.9	11.3	
MOUNTED WITH (D)																
SL	AF138		I	53B				1L(SL)	BAT.					21.5	30.	
								1L(SL)	BAT.					11.9	12.5	
TN	AG21		I	282B				1U(TN)	GRD	1.4	P	O	100	48.5	46.	
								1U(TN)	GRD	1.4	P	H	100	6.	5.7	
								1U(TN)	GRD	1.4	P	R	100	3.9	4.6	
REQ APPLY TO PRIMARY WITH SEC. WDG. SHORT CIRCUITED																

- TEST NOTES:
- BLOCK ASSOCIATED HOLD MAGNET NON OPERATED.
 - BLOCK ASSOCIATED HOLD MAGNET OPERATED.
 - ARMATURE BACK TENSION MINIMUM 20 GRAMS READJUST, 15 GRAMS TEST.
 - ARMATURE BACK TENSION MAXIMUM 80 GRAMS READJUST, 85 GRAMS TEST.

DRAWING ISSUE
28
38
48
58
68
78
88
98
108
118
128
138
148
158
168
178

(PAGES) PAGE

APP FIG 1

RELAY	A		A		AC		B		D		RV		HD		ON		ON		DESIG		
CODE	AJ26		AJ57		AG32		AG7		AK4		AK4		AJ5		AJ27		AJ103		CODE		
OPTION	S		R						R						ZC		ZD		OPTION		
	CONT ARR	LOC																			
12					EMB	2E4	M	2C3	M	2D4	EMB	2F4		EMB	2F2	M	2H2	EMB	2H2	12	
11					M	2G2	M	2D4	EMB					EMB	2D5			EMB	2D4	11	
10	B		M	2	EMB	2H2	EMB	2C2	EMB					EMB	2G9	M	2F3	EMB	2E4	10	
9					M	2D2	EMB							EMB	2B3	B	2D4	EMB	2E4	9	
8	M	2G4	EMB	2G4	EMB	2D4	EMB	2E2	EMB					EMB	2B7	EMB	2B4	EMB	2B4	8	
7					B	2H8								EMB	2F8	B	2G3	EMB	2F3	7	
6	EM	2G7	EMB	2G7	EMB	2H5	EMB	2F2						EMB	2E2	EMB	2C2	EMB		6	
5					M	2								EMB	2A8	EMB	2E4	B	2G8	5	
4	M	2D7	M	2D8	EMB	2B7	EMB	2D5						EMB	2B8	EMB	2G3	EMB	2G8	4	
3					M	2F5	M	2C4						EMB	2G5			EMB	2C2	3	
2					EMB	2A7	M	2B7						EMB	2C2	M	2E4	EMB	2G4	2	
1					M	2C2	M	2A7						M	2H5	EMB	2F5		EMB	2D8	1
COIL		2A9		2A9		2E9		2H4				2G5		2H5		2E4		292		2B2	COIL

RELAY	DESIG	OUT	SL	TN
CODE	AF9	AF138	AG21	
OPTION				
	CONT ARR	LOC	CONT ARR	LOC
12	EM	2C3		
11				
10	M	2B2		M 2F3
9	B	2E4		
8	EMB	2A7		EMB 2G5
7	B	2G2		
6	EMB	2B7	B 2G2	EMB 2E2
5	B			
4	EMB	2G8		M 2B4
3				
2	M	2E2		M 2G8
1				
COIL		2C3	2D2	2G3

CAPACITOR			RESISTOR		
DESIG	LOC	CODE	DESIG	LOC	CODE
RT	2C4	441U	[1] SL1	2F9	198A
TN	2B4	441K	[1] SL2	2F9	198A
			SL3	2F9	198A
			[1] TL1	2F8	198A
			[1] TL2	2F8	198A
DIODE	LOC	CODE			
[J] C	2A7	KS-15724,L2			

APP FIG. 2

JACK		
DESIG	LOC	CODE
T	2C9	285A
LAMP		
DESIG	LOC	CODE
BL	2F8	K2 (RED)
TL	2F8	K2 (WHITE)

DRAWING ISSUE
1
28
38
48
58
68
78
88
98
108
118
128
138
148
158
168
178

SD-65753-01-4

ATTENDANT TRUNK CIRCUIT SD-65753-01-4
BELL TELEPHONE LABORATORIES, INC.

ISSUE 21D
ATTENDANT TRUNK CIRCUIT SD-65753-01-4
BELL TELEPHONE LABORATORIES, INC. 65