

NIC
APB/
NT&S

SHEET INDEX

FIG.	CONTENTS	SHEET NO.	ISSUE NO.																									OLD SHEET NO.	
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	SHEET INDEX SUPPORTING INFORMATION	A1	8																										
1	TIE TRUNK CKT																												
2	JACK CKT																												
3	CONNECTING CABLE CKT																												
4	JACK CKT																												
5	BATTERY SUPPLY	B1	8																										-011
6	TIE TRUNK CKT																												-012
	CIRCUIT NOTES 101 TO 103	D1	8																										-013
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51	FOR FIG. 1 & 6																												
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54	FOR FIG. 1																												
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		G1	8																										-013

DWG ISS	CD ISS	DWG ISS	CD ISS	DWG ISS	CD ISS
1	1	28	28	30	30
40	40	50	50	60	60
70	70				
DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN CRA	APPROV LEV	
80	70	6-3-63	APPD	EVAL PD	

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.
6. "OLD SHEET NO." REFERS TO SHEET NO. PRIOR TO ISSUE: 80

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT INFO	ED-65675-01

SD- 66522-01	AT&TCO STANDARD
PBX SYSTEMS NO. 555 OR 557A RINGDOWN TIE TRUNK CIRCUIT 2 WAY	AT&TCO PROV FOR 557A
(2) (RDTT)	SD-66522-01-A1
BELL TELEPHONE LABORATORIES INCORPORATED	6 SHEETS PRINTED IN U. S. A.

2

(RDTT)

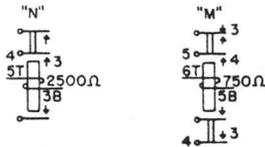
3S

CIRCUIT NOTES: (CONT)

104. RECORD OF FIGURES, WIRING, AND APPARATUS CHANGES

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN.	SEE NOTE	USE IN CIRCUIT		
				STD.	A & M	M. D.
3D	WOR V	W		V	W	
3D	T OR U	U		T	U	
3D	R OR S	S		R	S	
3D	P OR Q	Q		P	Q	
4D	M OR N	N		M	N	
4D				FIGS. 4 & 5		
5D	J OR K	J		K	J	
5D	F	W, V		F	V	
5D	G OR H	Y OR Z	102	G, H	Y, Z	
6D	E	NONE		E		
6D				FIG 6	FIG. 1	
7D	ZA OR ZB	ZA		ZB	ZA	

105. THE DIFFERENCE BETWEEN THE (SI) RELAYS IS AS FOLLOWS:



106. PROVIDE PADS IN ACCORDANCE WITH THE FOLLOWING TABLE FOR LOSSES DESIRED:

(dB) LOSS	RESISTOR
ZERO	89A
1.0	89E
2.0	89J
3.0	89N
4.0	89T
5.0	89AA

16-52V.
WORKING LIMITS
SEE RANGE CHART
ON KEYSHEET

OPTIONS USED	
FIGS.	APP OR WIRING
1	Z H
2	Y G
3	X F
4	W E
5	V
6	U B
	T A
	S ZA
	R ZB
	Q
	P
	N
	M
	K
	J

TRANSMISSION TEST REQUIREMENTS
(1000 CYCLE LOSS BETWEEN 800Ω LINES)

MAX ALLOWABLE CIRCUIT LOSS (dB)
OPT. 'A' USING IC PAD B 89 TYPE RES
EQUAL NOMINAL LOSS OF PAD
PLUS 1.5 SEE NOTE 106

OPT. 'B' OR PAD OUT CONDITION 1.5

INDIVIDUAL APPARATUS LOSSES (dB)				
APPARATUS	DESIG CODE	MAX. LOSS	MIN. LOSS	REMARKS
CAPACITORS	A, B 4μF	19.6	17.5	
REP. COIL	A 202A	1.5	0.6	

* INDICATES APPARATUS FOR WHICH IND. LOSSES ARE NOT REQ.

CIRCUIT REQUIREMENTS

NO. 555 OR 557A RINGDOWN TIE TRUNK CIRCUIT (RD TT)

DRAWING

ISSUE

APPARATUS				MECH REQ			CIRCUIT PREPARATION				TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ				REMARKS
DESIG	CODE	OPT.	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST WDG			TEST FOR	AFTER SOAK MA	TEST MA	READJ MA	
								CONN BAT.	CONN GRD								
RELAYS																	
C	UA93		1,6	110/110	H	35		TERM. 4	TERM. 5	B/G	2		0	5.4	4.9		
								TERM. 4	TERM. 5	B/G	2		NO	2.3	2.5		
L	B615		1	3		30				AC	1	P	0				
								TERM. 6	TERM. 9	B/G	2	S	0	5.7	5.4		
								TERM. 6	TERM. 9	B/G	2	S	NO	3.4	3.6		
L	B615		6	3		30				AC	5	P	0				
								TERM. 6	TERM. 9	B/G	2	S	0	5.7	5.4		
								TERM. 6	TERM. 9	B/G	2	S	NO	3.4	3.6		
R	U735		1,6	132/132	H	47		TERM. 4	TERM. 15	B/G	2		0	17.5	16.5		
S	B31		1	6		30		TERM. 10	TERM. 11	B/G	2		0	2	1.8		
								TERM. 10	TERM. 11	B/G	2		R	0.5	0.6		
S	B1139		6	14	H	30		TERM. 10	TERM. 11	B/G	2		0	4.5	4.2		
								TERM. 10	TERM. 11	B/G	2		R	1.8	1.9		
SI	U902	M	1	108/111	H	47	4T(S1)	TERM. 4	T(S1)	B/G	2		0	15.5	14.4		
SI	UA71	N	1	111/101	SPL	SPL	3T(S1) 3T(S1)	TERM. 4	T(S1)	B/G	2,3,4		0	3.5	3.3		
								TERM. 4	T(S1)	B/G	2,3,4		NO	2.1	2.3		
SI	Y317		6	216/203	H	47		TERM. 4	T(S1)	B/G	2		0	20	11.3		
								TERM. 4	T(S1)	B/G	2		H	20	2.3		
								TERM. 4	T(S1)	B/G	2		R	20	0.9		

TEST NOTES:

- TEST AND READJUST FOR OPERATION ON AC BY RINGING FROM DISTANT PBX OR BY DISCONNECTING MOUNTING PLATE SOCKET AND CONNECTING 95-111 VOLT, 1100-1200 RPM RINGING SUPPLY THROUGH A 13C RESISTOR LAMP AND 8000 OHMS NON-INDUCTIVE RESISTOR TO TERM. 2 AND RINGING GROUND TO TERM. 1 WITHOUT Y OR Z OPTION.
- DISCONNECT CONNECTING CABLE AT MOUNTING PLATE. NUMBERS REFER TO MOUNTING PLATE PLUG.
- ARM. TRAVEL 23.
- CONTACT MAKE 6 READJ, 4 TEST.
- TEST AND READJUST FOR OPERATION ON AC BY RINGING FROM DISTANT PBX OR BY DISCONNECTING MOUNTING PLATE SOCKET AND CONNECTING 95-111 VOLT, 1100-1200 RPM RINGING SUPPLY THROUGH A 13C RESISTOR LAMP AND 8000 OHMS NON-INDUCTIVE RESISTOR TO TERM. 2 AND RINGING GROUND TO TERM. 1.

PBX SYSTEMS NO. 555 OR 557A RINGDOWN TIE TRUNK CIRCUIT			SD-66522-01-FI
BELL TELEPHONE LABORATORIES INCORPORATED		DWS SEE 3S	PRINTED IN U. S. A.

FIG. 52
(FOR FIG. 2)

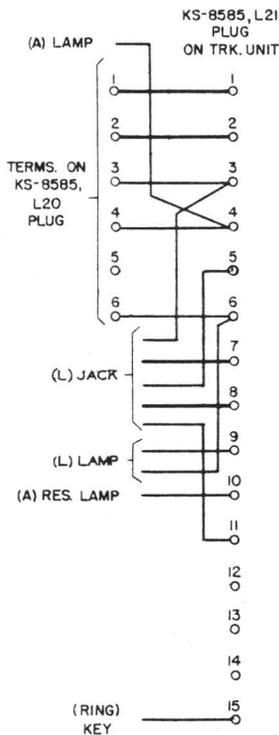


FIG. 53
(FOR FIG. 3)

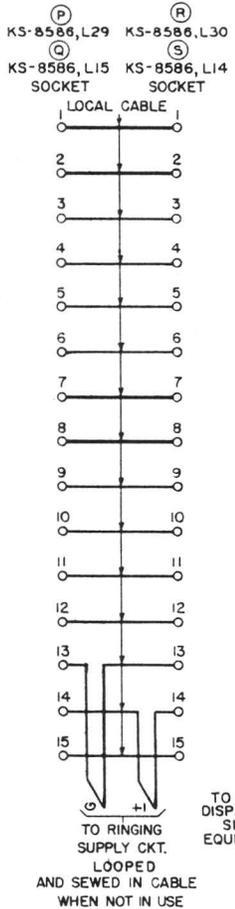


FIG. 51
(FOR FIGS. 1 & 6)

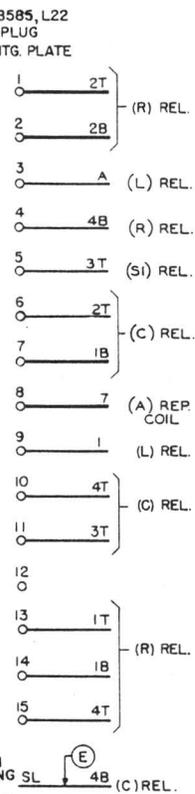


FIG. 54 (MFR. DISC)
(FOR FIG. 1)

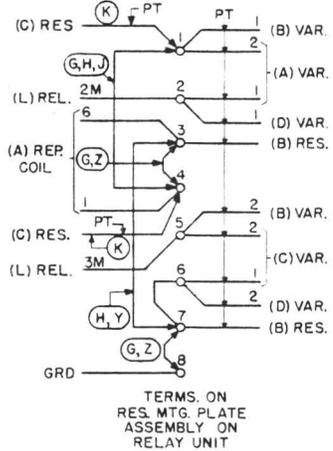


FIG. 55
(FOR FIG. 4)

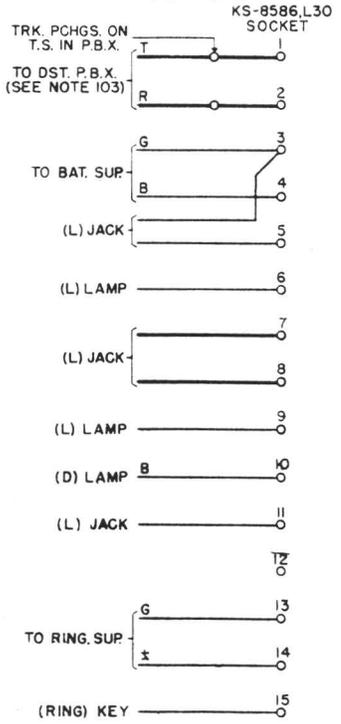


FIG. 56
(FOR FIG. 6)

