

SHEET INDEX

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CIRCUIT NOTES: (CONT)

102. STRAP "A" SHALL BE FURNISHED TO MEET THE PULSE SPEED REQUIREMENTS.
103. W, N OR H OPTION MUST BE USED WHEN THE ASSOCIATED SIGNALING BAY. TEST JACK (B) IS CONNECTED TO A 48V POWER SUPPLY, AND CAN BE USED WHEN CONNECTED TO A 24V POWER SUPPLY. V OPTION CAN BE USED ONLY WHEN THE SIGNALING BAY. TEST JACK (B) IS CONNECTED TO A 24V POWER SUPPLY.
104. ADJUST (F1) RHEOSTAT TO PRODUCE 24 VOLTS FROM SLEEVE OF JACK (B) TO GROUND WITH 2B TEST SET PLUGGED INTO JACKS (A) & (B) AND WITH TEST SET PULSING AT 10 PPS, 25% BK (BLACK SCALE) AND WITH ALL TEST SET KEYS NORMAL. IF A 2B TEST SET IS NOT AVAILABLE MEASURE ACROSS A 770Ω ±1% RESISTANCE LOAD CONNECTED BETWEEN TERMINAL 5 OF INDUCTOR (F2) AND GROUND.
105. IF IT BECOMES NECESSARY TO LOCATE FIG. 4 IN A DIFFERENT RELAY RACK BAY THAN FIG. 2, OR IF THE TEST SET IS BAY MOUNTED, THE -24 VOLT AND +130 VOLT POWER LEADS MUST BE SHIELDED.

106.

DESIG	AMP	POTENTIAL	ONE PER
B	1-1/3	-48V SIG (MFR DISC)	FIG. 3
A	1-1/3	-48V SIG OR TALK	FIG. 2
A	**74B HEAT COIL	130V SIG	FIG. 2
B	*.180	130V SIG (MFR DISC)	FIG. 3

** WHEN 70-TYPE FUSES ARE REQUIRED AT A SPECIFIC INSTALLATION 70K2 SHALL BE USED INSTEAD OF THE 74B HEAT COIL.

* BATTERY SHALL BE SUPPLIED THRU A 5.1Ω KS-8441 RESISTOR WHEN A 35-TYPE FUSE IS FURNISHED.

CIRCUIT NOTES:

101.

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	MD			
4D	X OR Y	Y		X		Y			
4D	Z	NONE	102	Z					
5B	V OR W	V	103	W		V			
6D	U	NONE		U					
6D	S OR T	T		S		T			
7D	Q OR R	R		Q		R			
8D	N	W OR V		N		W			
8D	K OR M	K		M		K			
9D				FIG. 2		FIG. 3			
11D	G OR J	J		G		J			
11D			107	FIG. 4					
11D	DIALS			GE		5LB			
11D	H	V, W OR N		H		N			
11D	(R2), (R29) RESISTORS		KS-13490, L1	KS-13490, L3					
12D	DIODES		400J	400C					
12D	RESISTORS		144E	140A					
12D			147D	141A					
12D			147E	141B					
13D	E OR F	F	109	E & F					
14B	D	NONE	110, 203 301	D					
14B	FIG. 5	NONE	110, 111 204	FIG. 5					
14B	A OR B	B		A		B			
14B	ZA	K OR M		ZA		M			
16B	ZB OR ZC	D, ZB	110, 203, 301	ZC		D, ZB			
16B	ZD, ZE	D	112	ZD, ZE					
21B	ZH, ZJ	ZJ	114	ZH		ZJ			

EQUIPMENT NOTES:

201. THIS EQUIPMENT IS MOUNTED ON A MISCELLANEOUS BASIS.
202. ONLY ONE PAIR OF A AND B JACKS (FIG. 4) SHALL BE CONNECTED TO A GIVEN BATTERY SUPPLY FILTER (FIG. 2).
203. WHENEVER EITHER D OR ZC OPTION IS PROVIDED THE 2B TEST SET DESIGNATION SHALL BE CHANGED TO (2B-1). SEE NOTE 110.
204. THE PULSE REPEATING ADAPTER SE, ED-56000(-), SHALL BE WIRED WITH 22 GAUGE, STRANDED TEFLON WIRE KS-19194. 24 GAUGE, TINNED WIRE MAY BE USED TO WIRE COMPONENT BOARD ASSEMBLY.
205. FUNCTIONAL DESIGNATIONS WERE ADDED ON ISSUE 15B.

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWING	J98613AY-() J64730B-() J64730C-() J64730D-() J68602CU-() ED-56000-()

OPTION INDEX

APP OR WRG	LOCATION
Z	2C2
Y	2D7
X	2D7
W	2E3, 2E5
V	2E3, 2E5
U	2B3, 2D3
T	2F6
S	2F6
R	2A1
Q	2A1
H	2E3, 2E5
M	2B2, 2B3
K	2B2, 2B3
J	2F4
N	2E3, 2E5
G	2F4
F	2H3
E	2H3
D	2E6
B	2C5, 2D5
A	2D5
ZA	2B2, 2B3, 2C2
ZB	2D2
ZC	2D2, 2E6, 2D1
ZD	2E0, 2E1, 2F0, 2F1
ZE	2E0, 2E1, 2F0, 2F1
ZH	3D6, 3B8
ZJ	3D6, 3B8

INFORMATION NOTES:

301. WHENEVER ADAPTER UNIT IS REQUIRED A 2B-1 TEST SET MUST BE USED.
302. TERMINALS DESIGNATED (E) AND -48V, GRD, FR GRD ARE LOCATED ON COMPONENT BOARD ASSEMBLY OF PULSE REPEATING ADAPTER [ED-56000(-)].

REPLACES SD-56134-01

SD-56134-02

1109

TOLL SYSTEMS
SIGNALING
2B SIGNALING TEST SET
AND ASSOCIATED PULSE REPEATING
ADAPTER CIRCUIT

(2B SIG TEST SET)

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

AT&T
STANDARDSD-56134-02-1
4 SHEETS

FIG. 1
J64730B
2B SIGNALING TEST SET
WESTERN ELECTRIC CO. U.S.A.

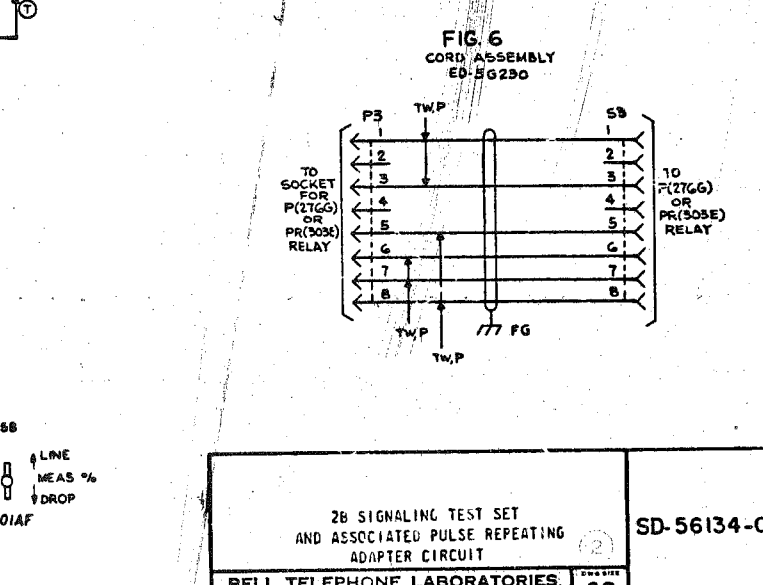
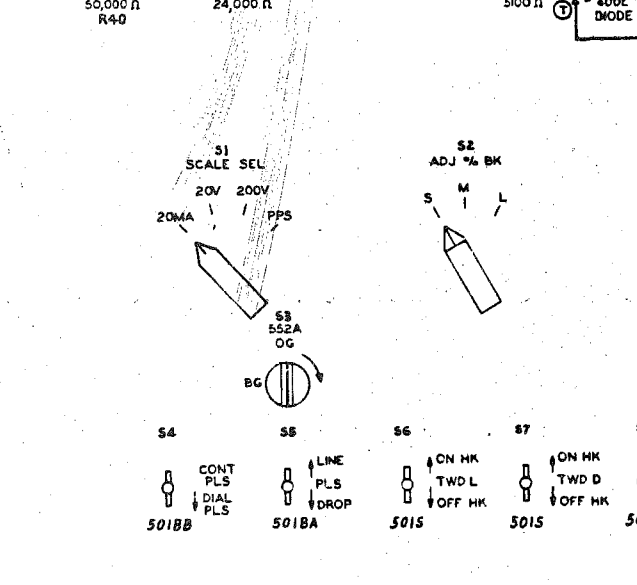
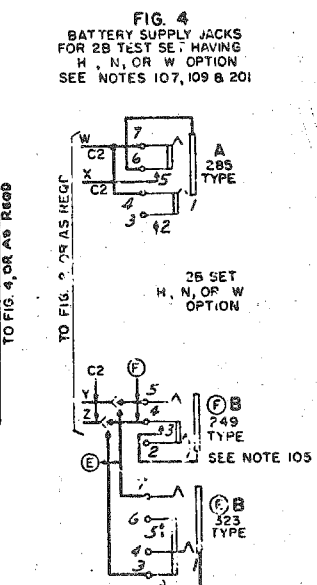
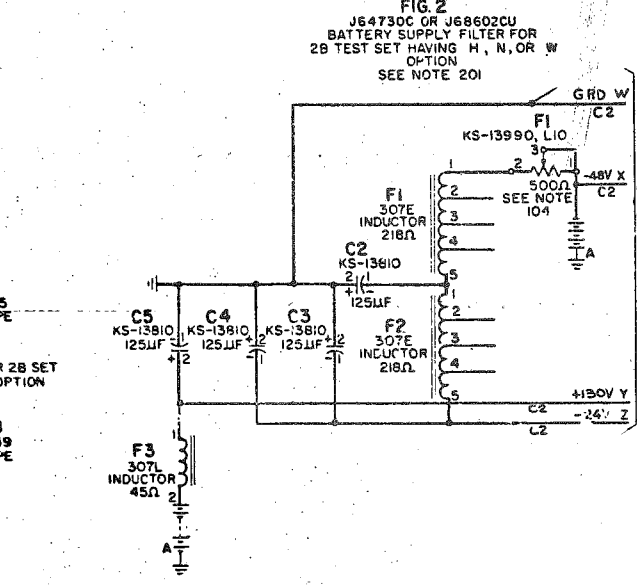
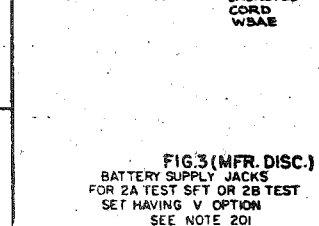
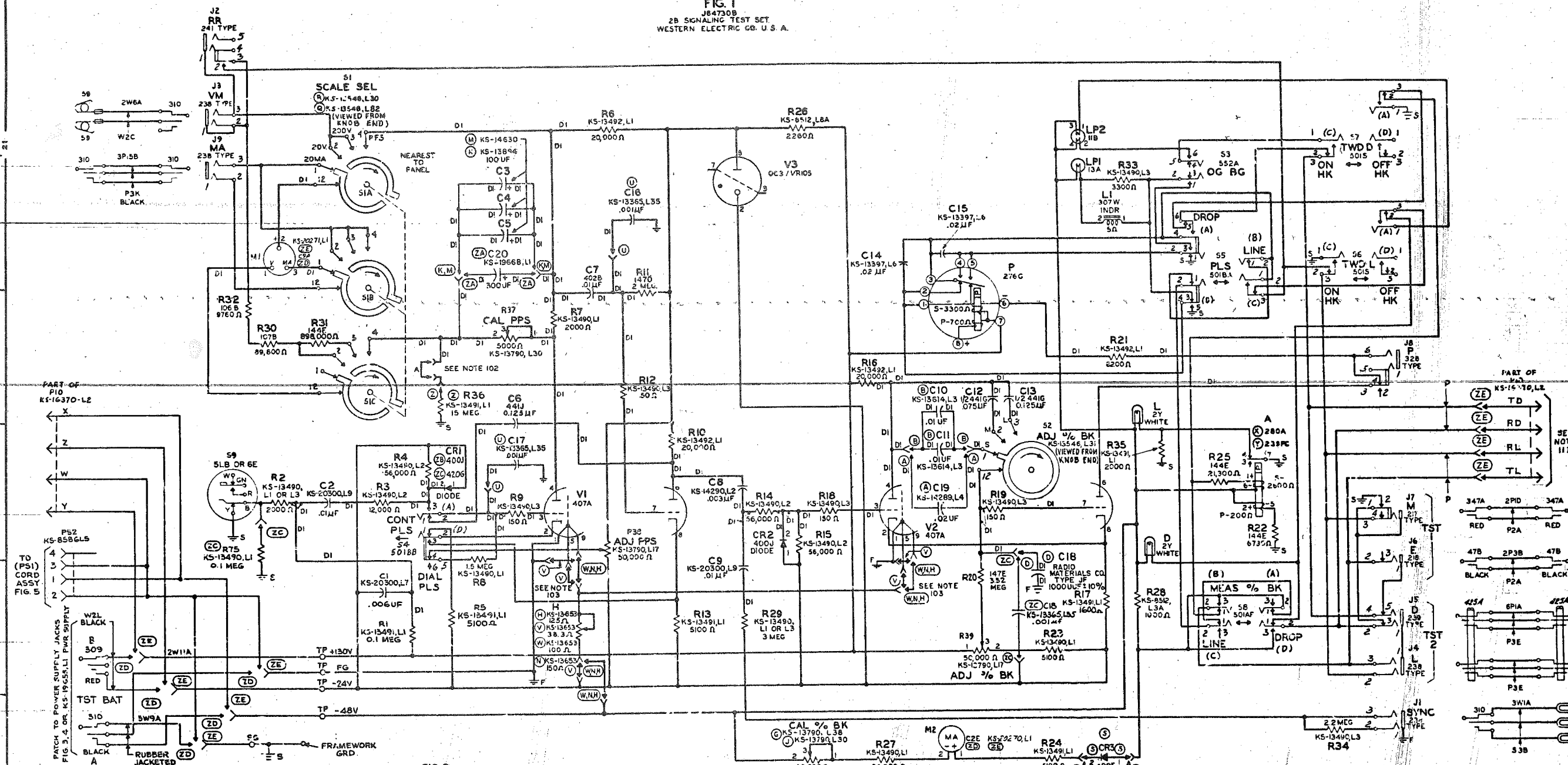
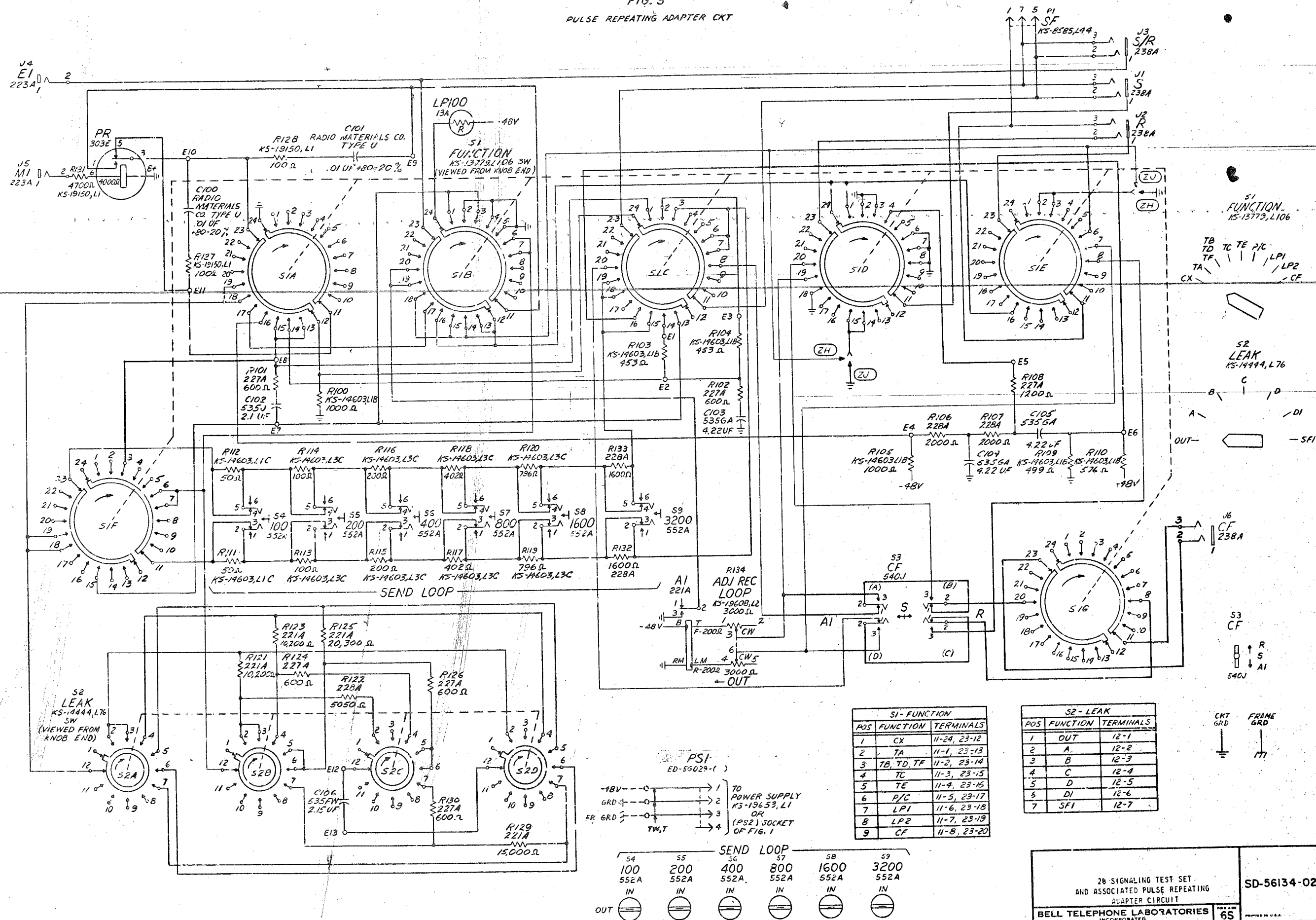


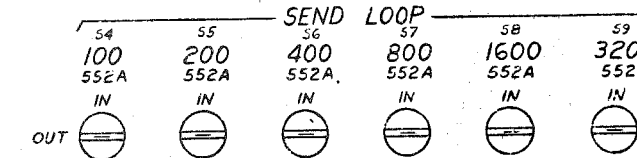
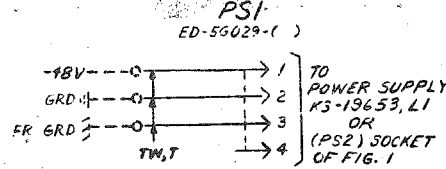
FIG. 5
PULSE REPEATING ADAPTER CKT

DRAWING	ISSUE
14B	14B
15B	15B
16B	16B
17B	17B
18B	18B
19B	19B
20A	20A
21B	21B



POS	FUNCTION	TERMINALS
1	CX	11-24, 23-12
2	TA	11-1, 23-13
3	TE, TD, TF	11-2, 23-14
4	TC	11-3, 23-15
5	TE	11-4, 23-16
6	P/C	11-5, 23-17
7	LPI	11-6, 23-18
8	LP2	11-7, 23-19
9	CF	11-8, 23-20

POS	FUNCTION	TERMINALS
1	OUT	12-1
2	A	12-2
3	B	12-3
4	C	12-4
5	D	12-5
6	DI	12-6
7	SFI	12-7



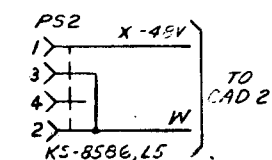
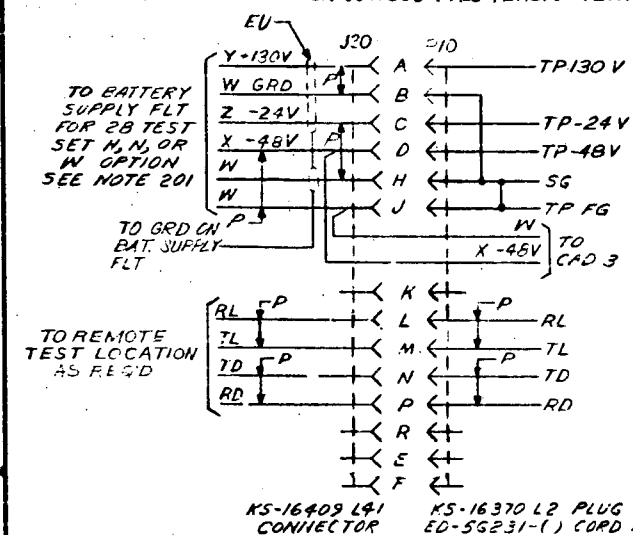
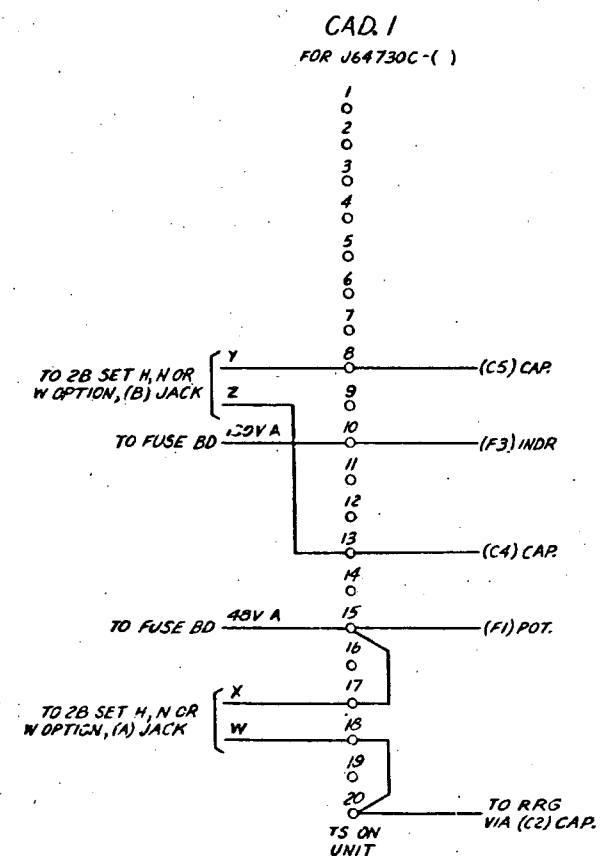
28 SIGNALING TEST SET
AND ASSOCIATED PULSE REPEATING
ADAPTER CIRCUIT
BELL TELEPHONE LABORATORIES
INCORPORATED

SD-56134-02-3

SD-56134-02-3

APPARATUS			MECH REQ				CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ							REMARKS
DESIG	CODE	OPT.	FIG.	RESID	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA	
									CONN BAT.	CONN GRD								
RELAYS																		
A	239FC	Y	1		A				5(A)	2(A)	NGB	1	P	0	-65	2.1	1.5	
									5(A)	2(A)	NGB	1	P	NO	-65	0.C.	1.1	
									6(A)	1(A)	NGB	1	S	0		0.4		
4	280A	X	1		A				5(A)	2(A)	NGB	1	P	0	-65	2.1	1.5	
									5(A)	2(A)	NGB	1	P	NO	-65	0.C.	1.1	
									6(A)	1(A)	NGB	1	S	0		0.4		
A1	221A		5	9-11	11		8		LM(A1)	T(A1)	M	2,3,4	F/R	0	FS	17	16.5	
									LM(A1)	T(A1)	M	4	F/R	NO	FS	13.9	14.4	
P	276G		1		A								P	0	FS	14.2		
													P	H	FS	5.1		
													P	R	FS	2.9		
													S	0	FS	5		
PR	303E		5		1									0	6	2		
														R		1		
MISC																		
5LB DIAL																		
OR																		
6F DIAL																		
ADJUST TO 9.7 TO 10.3 PULSES PER SECOND.																		

CONTINUED FROM PAGE 10



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1. _____