

SHEET INDEX

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CIRCUIT NOTES: (CONTINUED)

109. SET AT1 TO BUILD OUT THE LOSS OF THE OFFICE CABLING FROM THE SWITCH TO 1.5 dB. THE LOSS OF ATTENUATOR IS INDICATED BY THE SUM OF THE EXPOSED DIGITS.

110. SET AT2 TO ADJUST TRUNK LOSS AND TRANSMISSION LEVEL IN ACCORDANCE WITH THE FOLLOWING TABLE.

FAR END OFFICE	NEAR END OFFICE	
	TPD	TP2
	2T	-
	TP2	2R, 2T, 2R
DIGITAL SW	1T, 2T, 2R	1T, 2R

111. THE MAAA RELAY IS NOT ADJUSTABLE. REPLACE WHEN THERE IS A MALFUNCTION.

112. OPTIONS (D) AND (Y) ARE PERMANENT CONNECTIONS.

EQUIPMENT NOTES:

201. DESIRED OPTION SHALL BE COMPLETED BY TIGHTENING SCREW SUFFICIENTLY TO INSURE CONTACT BETWEEN TERMINALS AND UNDERSIDE OF SCREWHEAD. CAUTION IN TIGHTENING SCREW IS RECOMMENDED TO AVOID SHEARING OF SCREW. TO OPEN A CIRCUIT, SCREW SHALL BE LOOSENED APPROXIMATELY FOUR COMPLETE TURNS. UNIT IS NORMALLY FURNISHED WITH OPTION SCREWS UP.

202. DESIGNATIONS SHOWN IN BRACKETS [] SHALL APPEAR ON EQUIPMENT.

203. ALL CONTACTS SHOWN WITH ARROW → ARE PART OF PRINTED WIRING BOARD FINGER CONTACTS.

204.

205. PRINTED WIRING BOARD IS ARRANGED SO THAT 1066A FILTERS ARE PHYSICALLY INTERCHANGEABLE WITH F58891 FILTERS, AND 1067A PHYSICALLY INTERCHANGEABLE WITH F58892.

206. DESIGNATIONS SHOWN THUS < > APPEAR ON COMPONENT APPARATUS.

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:

ALL RESISTANCE VALUES ARE IN OHMS.
ALL CAPACITANCE VALUES ARE IN MICROFARADS.
ALL VALUES PRECEDED BY + (PLUS) OR - (MINUS) ARE IN VOLTS.

302. OFFICE WIRING LIST RECORDS NEED NOT BE MAINTAINED FOR SCREW TYPE OPTIONS.

303. FIGS 101 THRU 107 ARE FOR INFORMATION ONLY. SEE CONTROLLING SCHEMATIC FOR COMPLETE CIRCUIT DETAILS.

DWG OR CD ISSUE	DATE	BY	APP'D
1	7-21-71	FAC	APP
2A	10-19-71	FAC	APP
3A	3-11-72	FAC	APP
4B	3-11-72	FAC	APP
5B	12-22-72	FAC	APP
6B	8-2-73	FAC	APP

CIRCUIT NOTES:

101. TIGHTEN SCREWS OF NBO (NET BUILD OUT) OPTIONS ACCORDING TO CIRCUIT REQUIREMENTS.

102. RECORD OF FIGURES, WIRING, AND APPARATUS CHANGES

CHANGED ON ISS	IF JOBS RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT			
				STD	A & M	MD	SPEC
5B	V	NONE		V			
	W, Y	W, Y	112	W, Y			
6B	FIG. A OR FIG. B	FIG. A		FIG. B		FIG. A	
	M OR N	M	111	N		M	
	C OR R	Q		R		Q	
	S OR T	T		S		T	

103. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 254A TYPE, EXCEPT WHEN COMPONENTS MUST HAVE PATHS RUN BENEATH THEM, USE 277A TYPE KS-20810, L1A.

104.

105. TIGHTEN SCREW (B) WHEN CHANNEL UNIT IS CONNECTED TO A TRUNK CIRCUIT WHICH REQUIRES REVERSE BATTERY DURING A CARRIER FAILURE.

106. F58891 AND F58892 ARE ACTIVE FILTERS WITH CAP-PAK CAPACITORS. 1066A AND 1067A ARE ACTIVE FILTERS WITH THIN FILM CAPACITORS.

107. RPAM AND RPAMG LEADS SHALL BE RUN PARALLEL TO EACH OTHER, KEPT SHORT AND RUN DIRECT TO THE RECEIVE FILTER. TPAM AND DISC) TPAMG SHALL BE RUN SIMILARLY TO THE TRANSMIT FILTER.

108. FOR CONNECTING INFORMATION SEE APPLICATION SCHEMATIC FOR THE D3 BANK (SD-3C104-01).

RELAY

DESIG	RB
CODE	MAAA
OPTION	
	CONT ARB LOC
4	EMB 2F7
3	EBM 2CP
2	EBM 2B0
1	EMB
COIL	267

HIGHEST COMPONENT USED ON THIS DWG

C17	CR6	QB	R24	RV7
NOT USED				
C1, C10			R1, R2, R7, R8, R9	

CIRCUIT REQUIREMENTS

APPARATUS	DESIG	CODE	OPT	CKT FIG.	RATING	MECH REQ			CIRCUIT PREPARATION			TEST SEE PREP	SEE TEST NOTE NO.	DIRECT CURRENT FLOW REQ				REMARKS
						BSP FIG	CONT PRESS	FRM TRVL	BLOCK OR INSULATE	TEST CLIP DATA	TEST WDG			TEST FOR	AFTER SOAK	TEST	READ J	
RELAYS																		
RB	MAAA					101				1U	1L	B/C		0		16.8	16	NOTE 111

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWING	J987100A-()
X-SPEC	X-78434

ISSUE 6B

SD-3C122-01 IN22

COMMON SYSTEMS
24 CHANNEL PCM BANK TYPE D3
DIAL PULSE
CHANNEL UNIT CIRCUIT
ORIGINATING OFFICE END

AT&CO STANDARD

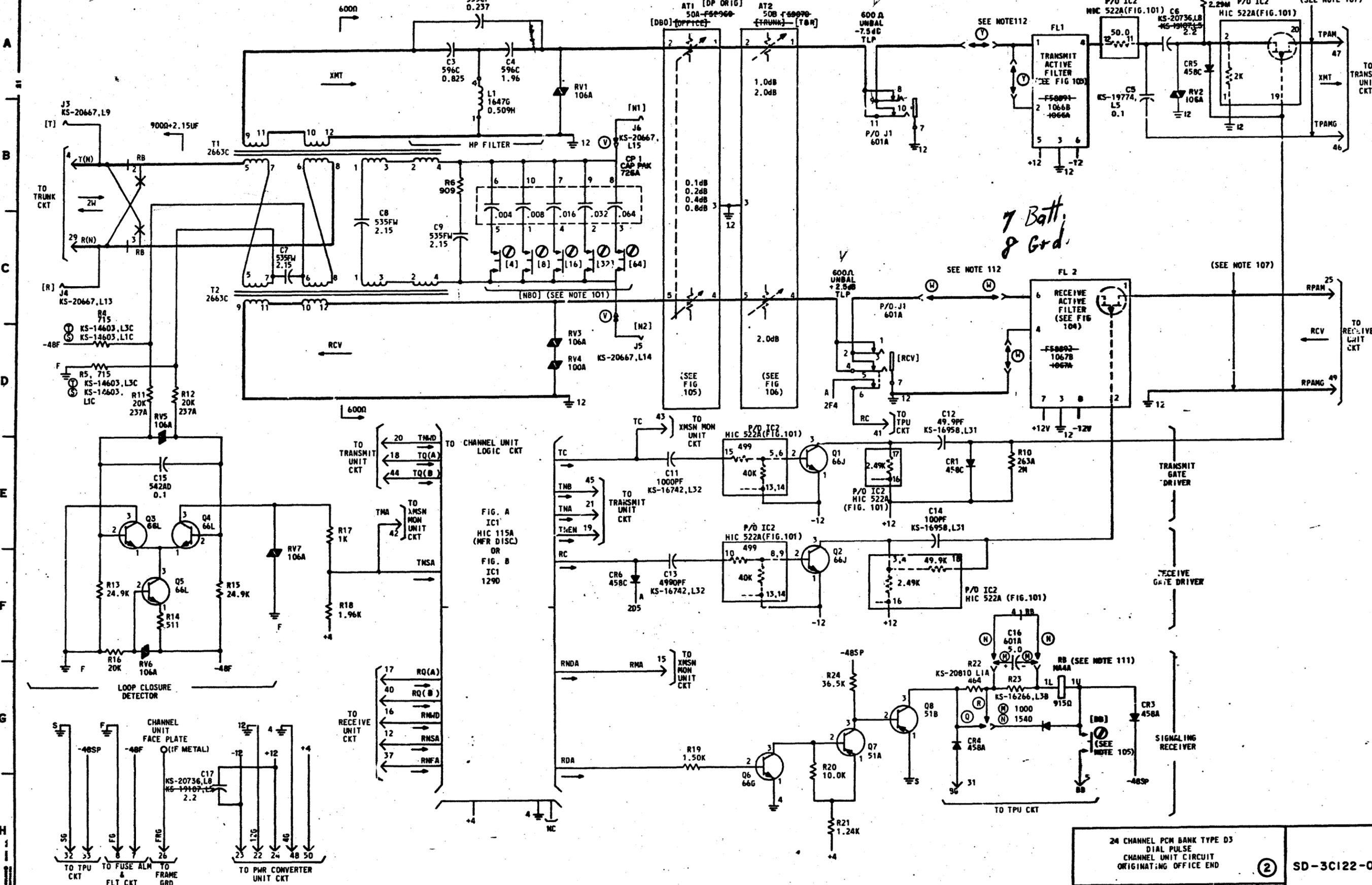
D3CD (DP ORIG) 2

BELL TELEPHONE LABORATORIES INCORPORATED 65

SD-3C122-01-1
4 SHEETS

FIG. 1

DIAL PULSE ORIGINATING CHANNEL UNIT



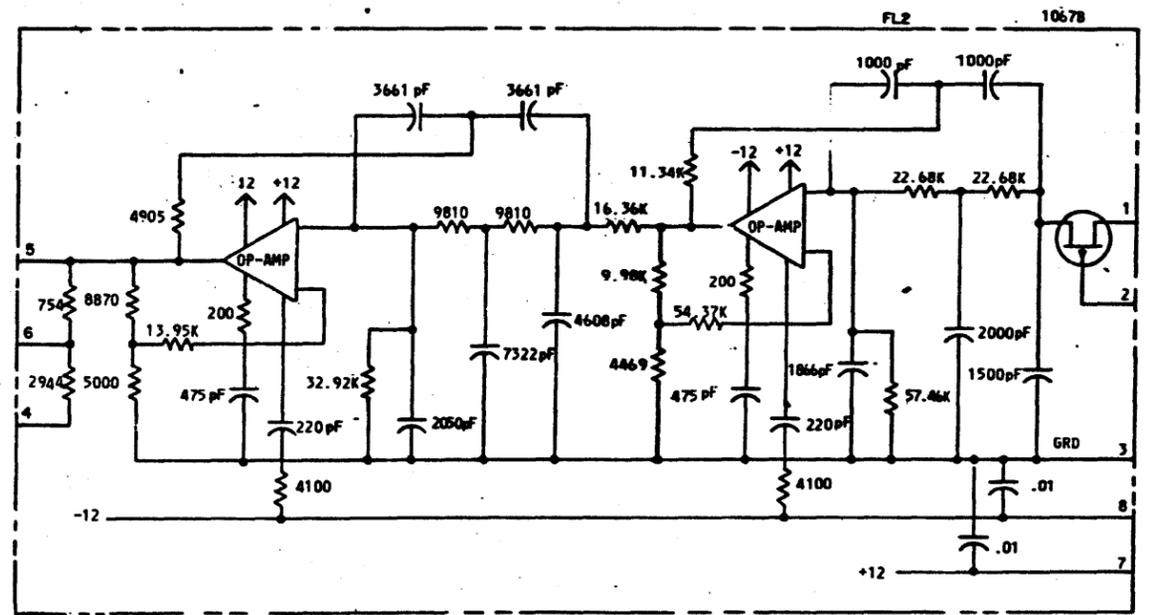
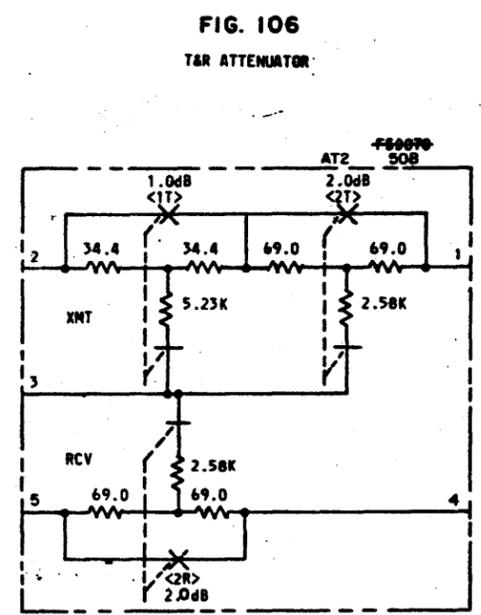
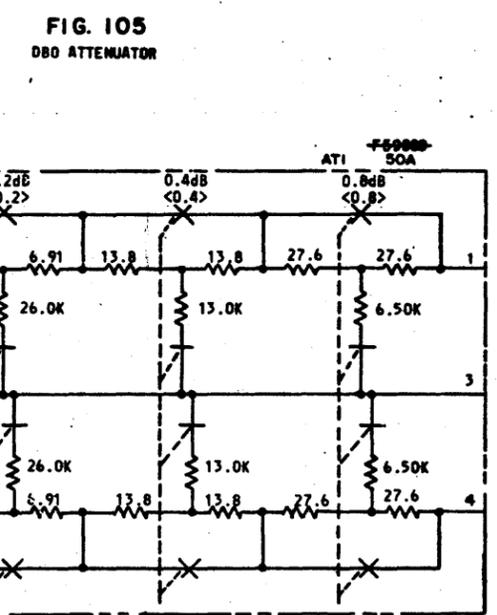
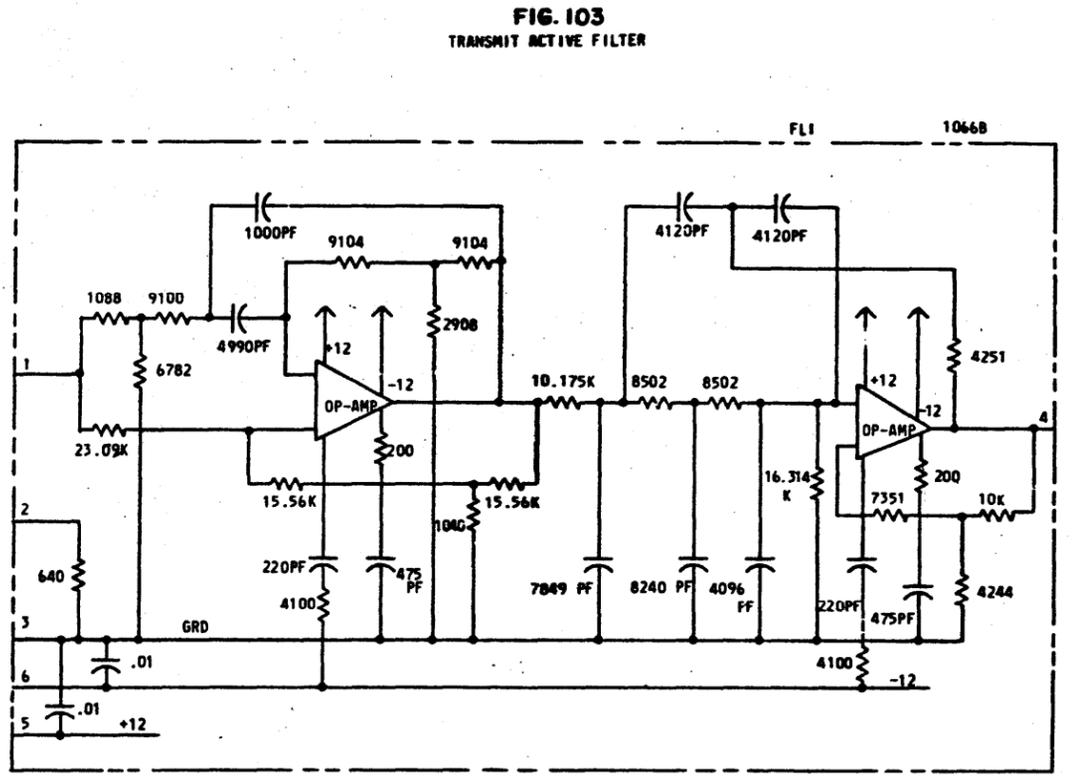
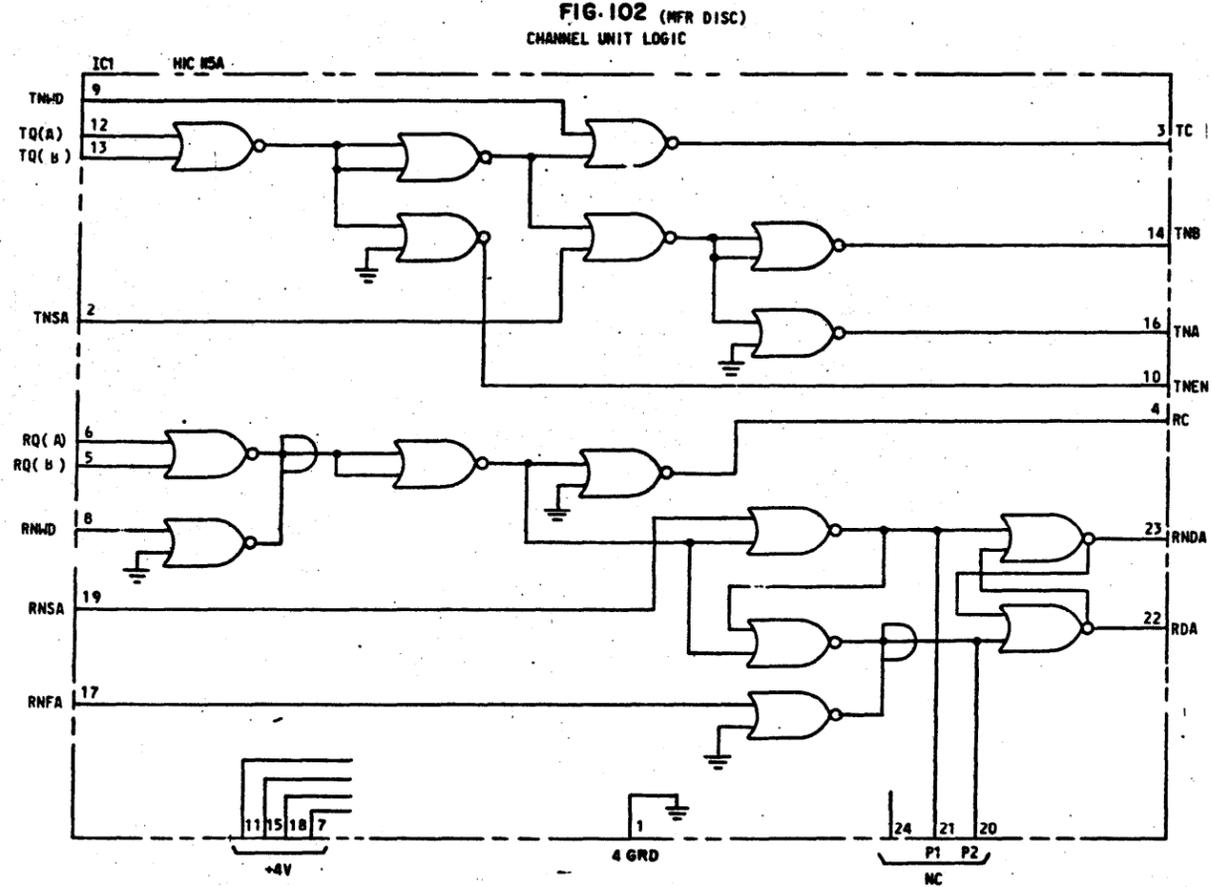
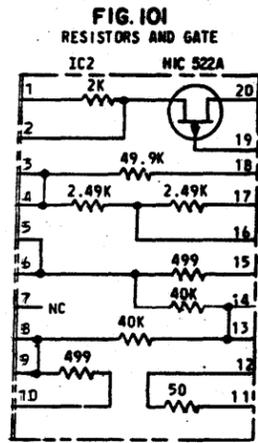
7 Batt.
8 Grd.

FIG. A
IC1
HIC 115A
(MFR DISC)
OR
FIG. B
IC1
1290

24 CHANNEL PCM BANK TYPE D3
DIAL PULSE
CHANNEL UNIT CIRCUIT
ORIGINATING OFFICE END

SD-3C122-01-2

ISSUE 6B



SD-3C122-01-3

ISSUE
6B

FIG. A
CHANNEL UNIT LOGIC
IC1 HIC 115A (NFR DISC)
(SEE FIG. 102)

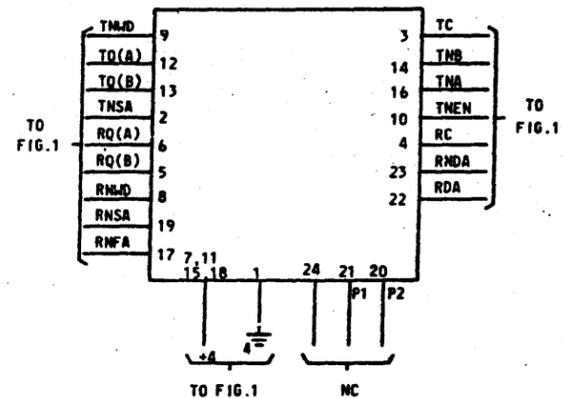


FIG. B
CHANNEL UNIT LOGIC
IC1 129D
(SEE FIG. 107)

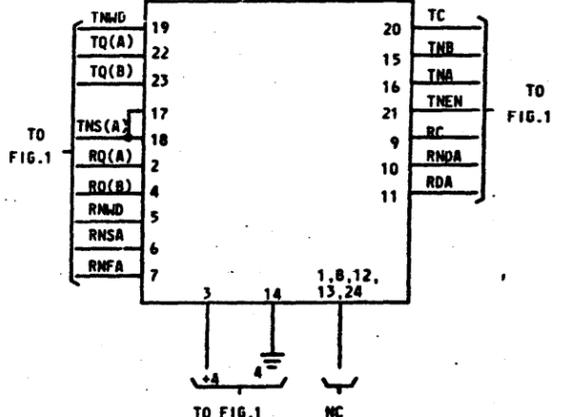
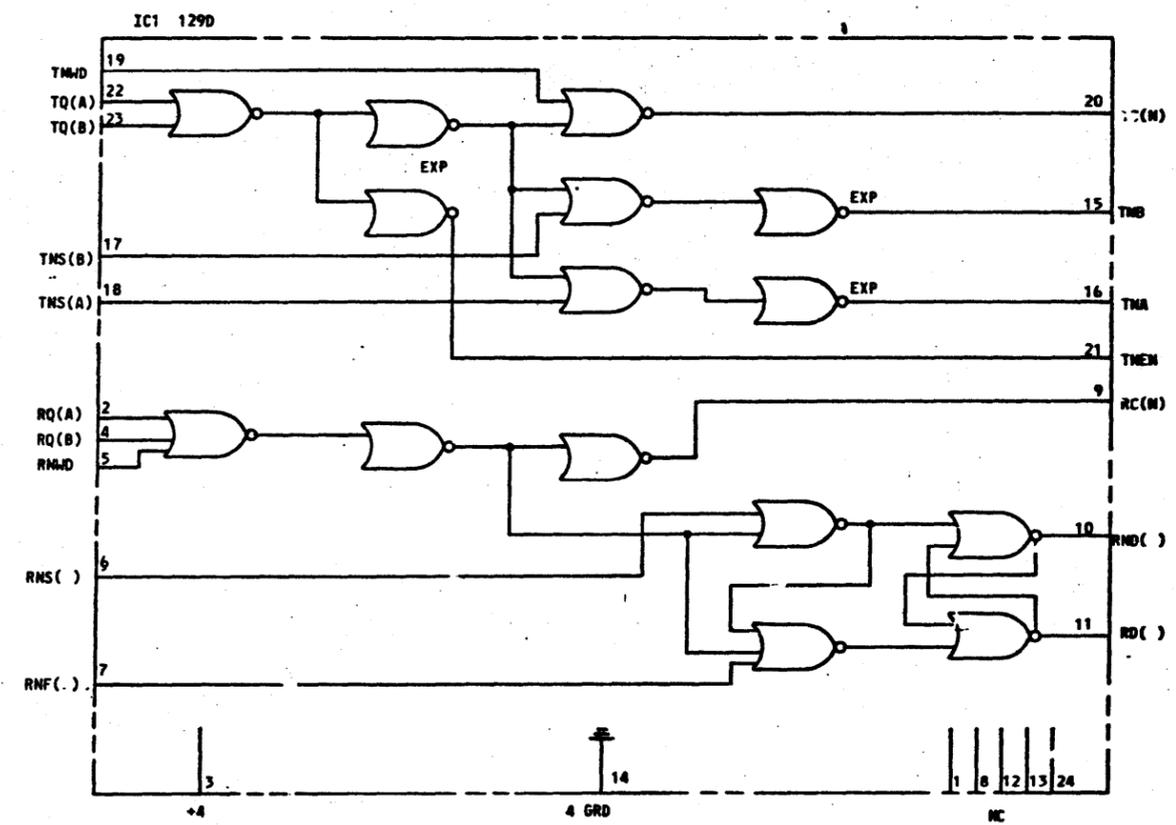


FIG. 107
CHANNEL UNIT LOGIC



SD-3C122-01-4

6B