

CIRCUIT NOTES:

101. PROVIDE FUSES AS FOLLOWS:

DESIG.	AMP.	POTENTIAL FUSED	ONE PER
SW AMP	0.5	130V. PLT	FIG. 1
SW AMP	3	12V. FIL	FIG. 1
DIST AMP	0.5	130V. PLT	FIG. 3
DIST AMP	3	12V. FIL	FIG. 3

102. PROVIDE SEPARATE FILAMENT AND PLATE BATTERY DISCHARGE LEADS, ONE PER EACH FIG. 106, 107, 108, 109, 110, 111 OR 112. WHEN A FIG. 106 AND A FIG. 107 ARE ASSOCIATED IN THE SAME FIG. 117, THEN A COMMON FILAMENT AND A COMMON PLATE DISCHARGE LEAD SHALL BE USED FOR BOTH AMPLIFIERS.

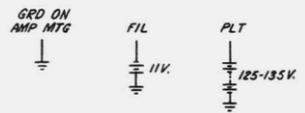
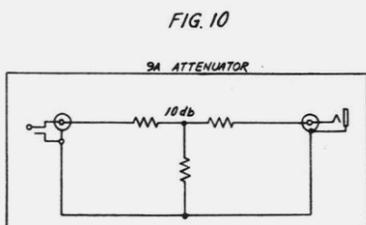
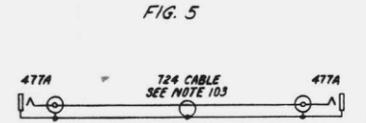
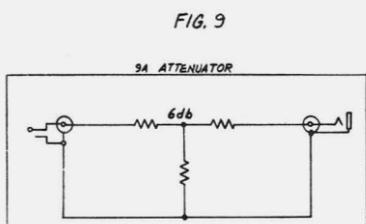
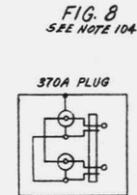
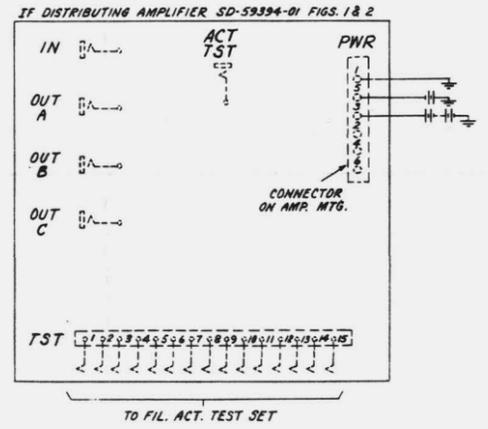
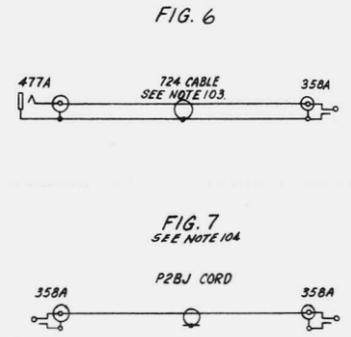
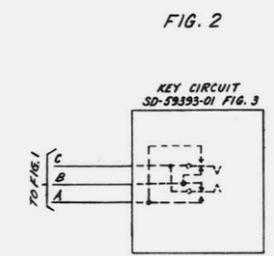
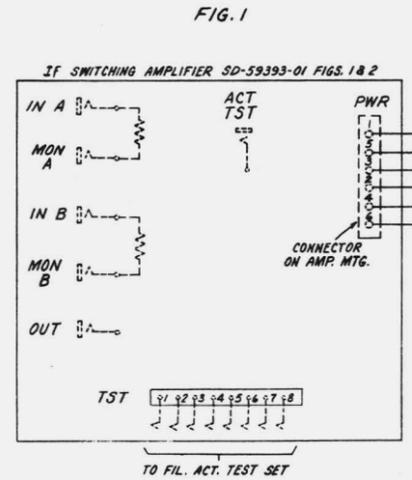
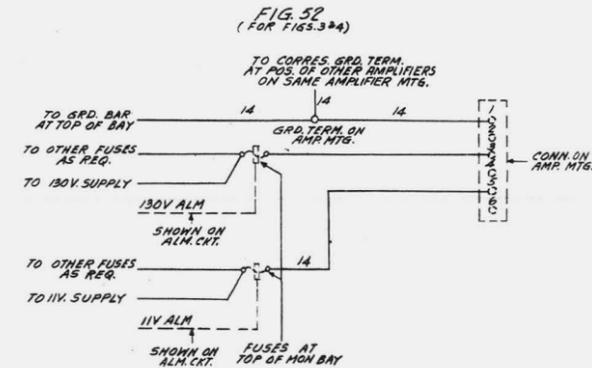
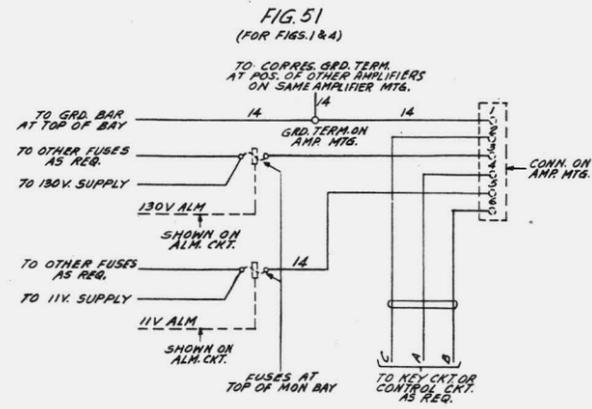
103. LENGTHS OF NO. T24 CABLE SHALL NOT EXCEED THE FOLLOWING:

FIG.	FROM	TO	MAX. LENGTH
101	RADIO REC.	(REC OUT) JACK	30 FT.
102	RADIO TRS.	(TRS IN) JACK	30 FT.
103	FMT TRS.	(FMT OUT) JACK	45 FT.
104	FMT REC.	(FMR IN) JACK	45 FT.
105	(TRK IN) JACK	(TRK OUT) JACK	15 FT.

104. WHEN EITHER FIG. 7 OR FIG. 8 IS SPECIFIED, FIG. 8 (PATCH PLUG) SHALL BE PROVIDED, UNLESS THE EQUIPMENT ARRANGEMENT MAKES A CORD NECESSARY, IN WHICH CASE FIG. 7 SHALL BE USED.

105. IN FIG. 3 (DIST AMP), THE (A OUT), (B OUT) AND (C OUT) CONNECTIONS ARE IDENTICAL AND MAY BE USED INTERCHANGEABLY.

106. IN FIG. 1 (SW AMP), THE (A IN) AND (B IN) INPUTS ARE INTERCHANGEABLE, PROVIDED THAT EACH CONTROL KEY POSITION IS PROPERLY CORRELATED WITH THE CIRCUIT PATCHED TO THE CORRESPONDING INPUT.



OPTIONS USED	
FIGS.	APP OR WIRING
1	101
2	102
3	103
4	104
5	105
6	106
7	107
8	108
9	109
10	110
	111
	112
	113
	114
	115
	116
	117
	118
	119

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EQUIPMENT INFO

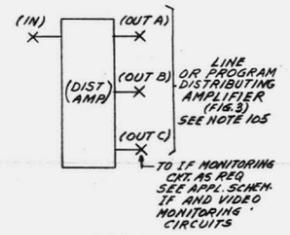
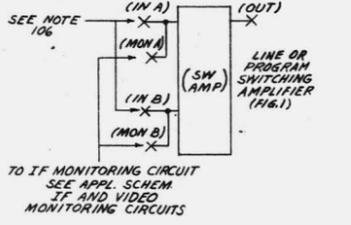
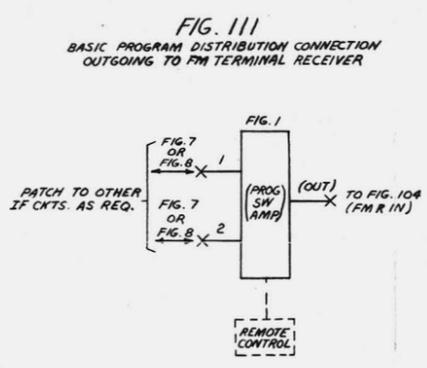
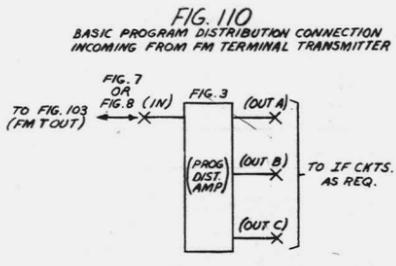
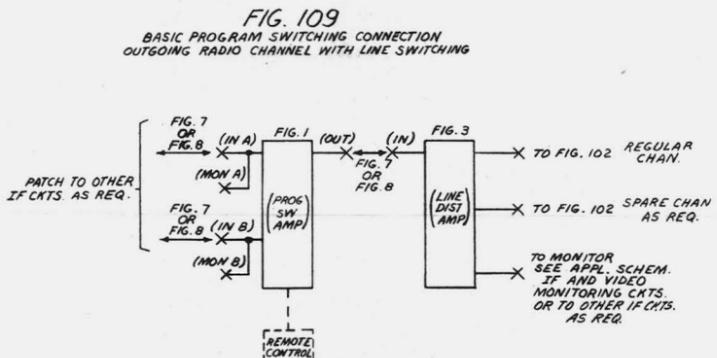
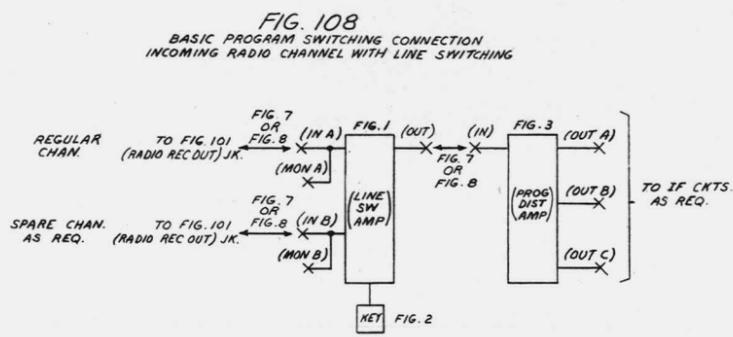
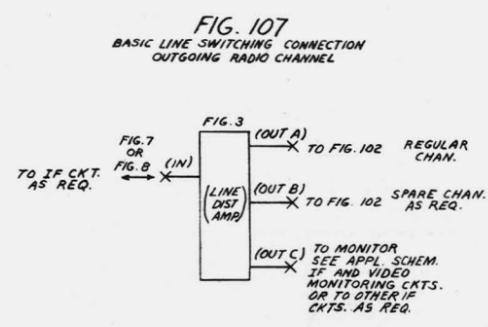
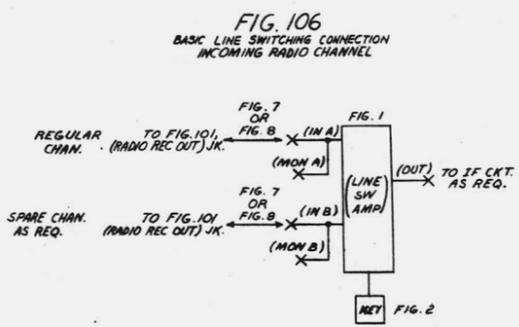
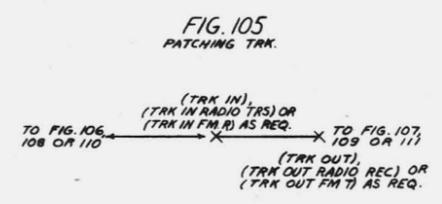
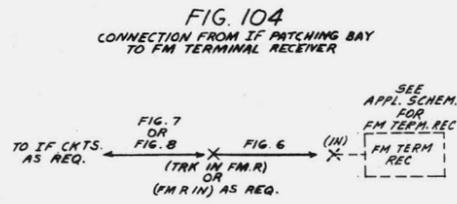
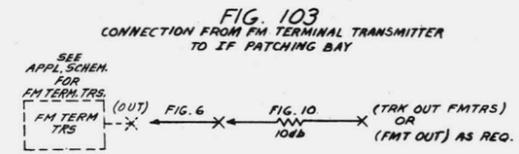
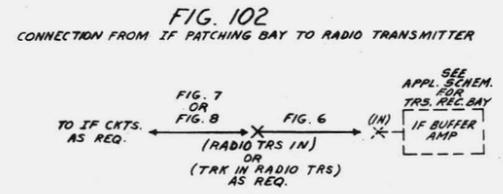
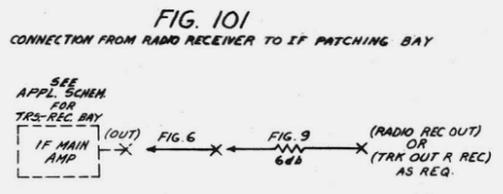
SD-59389-01 4 SHEETS
TOLL SYSTEMS
TD RADIO
APPLICATION SCHEMATIC
IF PATCHING CIRCUITS
AT MAIN REPEATERS AND TERMINALS

ATA TCO
STANDARD

R2
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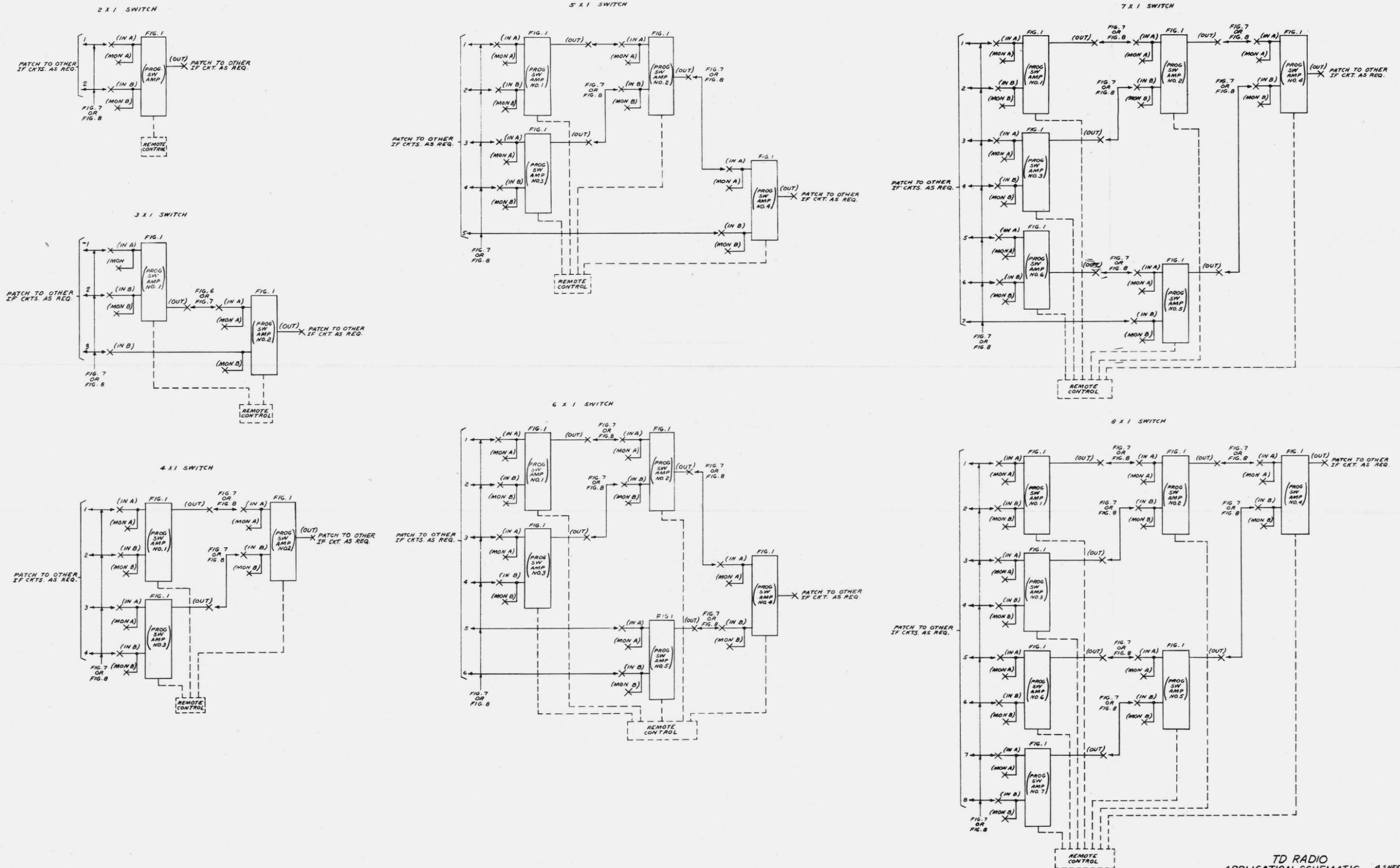
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- LEGEND:**
- X JACK
 - PLUG
 - PATCH PLUG OR PATCH CORD (FIG. 7 OR 8) SEE NOTE 104
 - 9A ATTENUATOR (FIG. 9 OR 10)
 - KEY KEY CIRCUIT (FIG. 2)
 - REMOTE CONTROL PER SD-56253-01



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FIG. 112
IF PROGRAM SWITCH GROUPS



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FIG. 113

RADIO CHANNEL WITH NO LINE SWITCHING ORIGINATING FROM FM TERMINAL TRANSMITTER

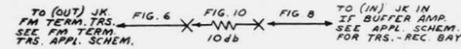


FIG. 114

RADIO CHANNEL WITH NO LINE SWITCHING TERMINATING IN FM TERMINAL RECEIVER



FIG. 115

RADIO CHANNEL WITH LINE SWITCHING ORIGINATING FROM FM TERMINAL TRANSMITTER



FIG. 116

RADIO CHANNEL WITH LINE SWITCHING TERMINATING IN FM TERMINAL RECEIVER



FIG. 117

THRU RADIO CHANNEL WITH LINE SWITCHING



FIG. 118

TYPICAL CHANNEL ARRANGEMENT WITH LINE AND PROGRAM SWITCHING AND BRANCH RADIO CIRCUIT OR FM TERMINAL

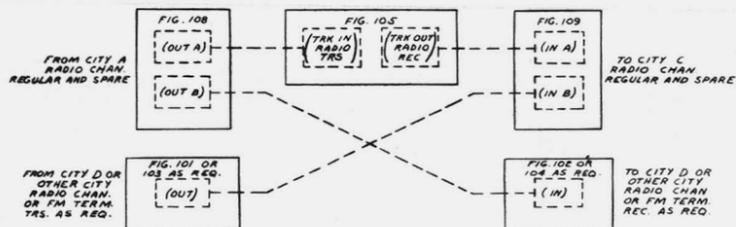
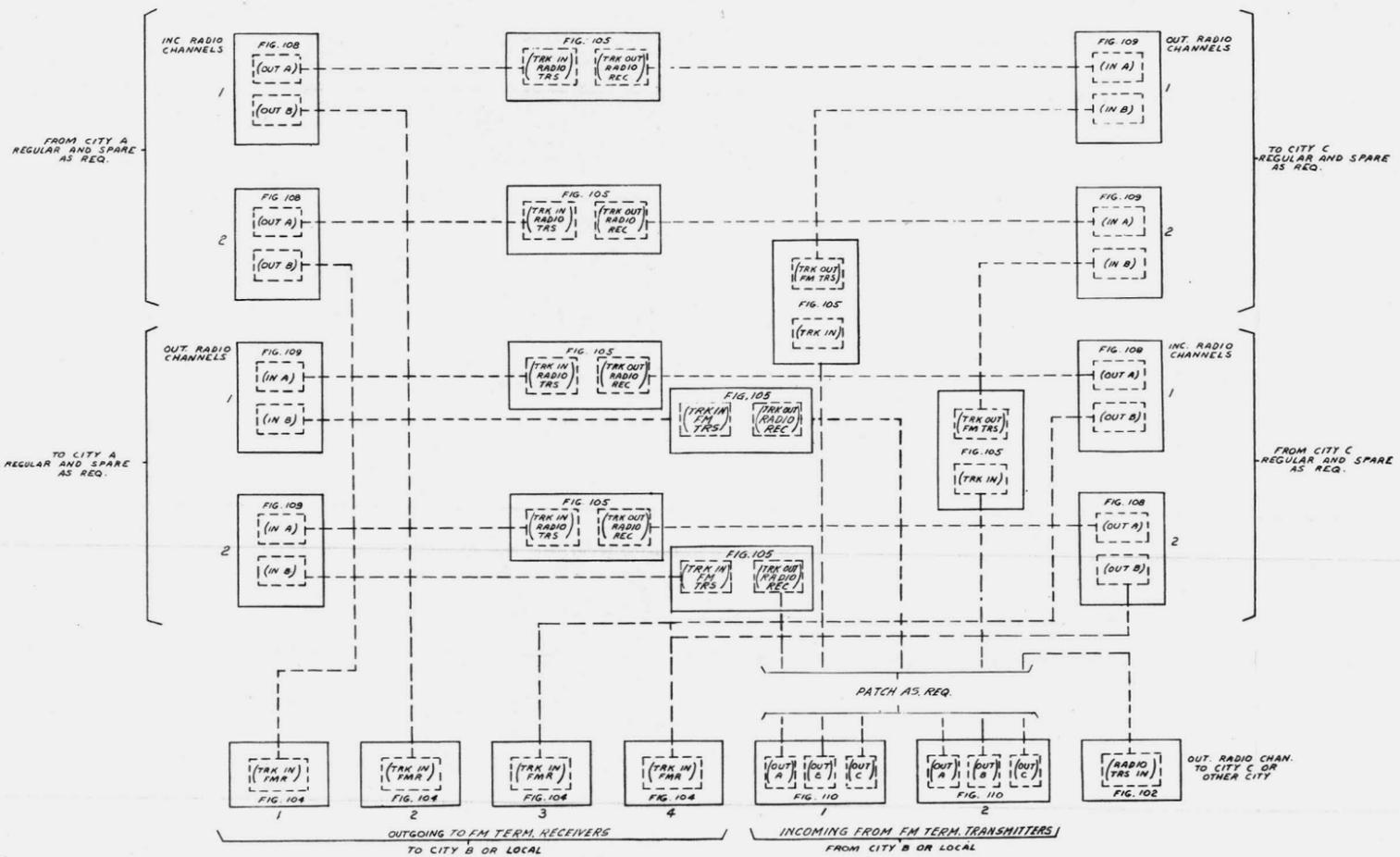


FIG. 119

TYPICAL CHANNEL ARRANGEMENT WITH LINE AND PROGRAM SWITCHING FOR 4 THRU RADIO CHANNELS WITH SPARE RADIO CIRCUITS IF REQ. 4 OUTGOING CIRCUITS THRU FM TERMINAL RECEIVERS 2 INCOMING CIRCUITS FROM FM TERMINAL TRANSMITTERS 1 OUTGOING RADIO BRANCH CIRCUIT.



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