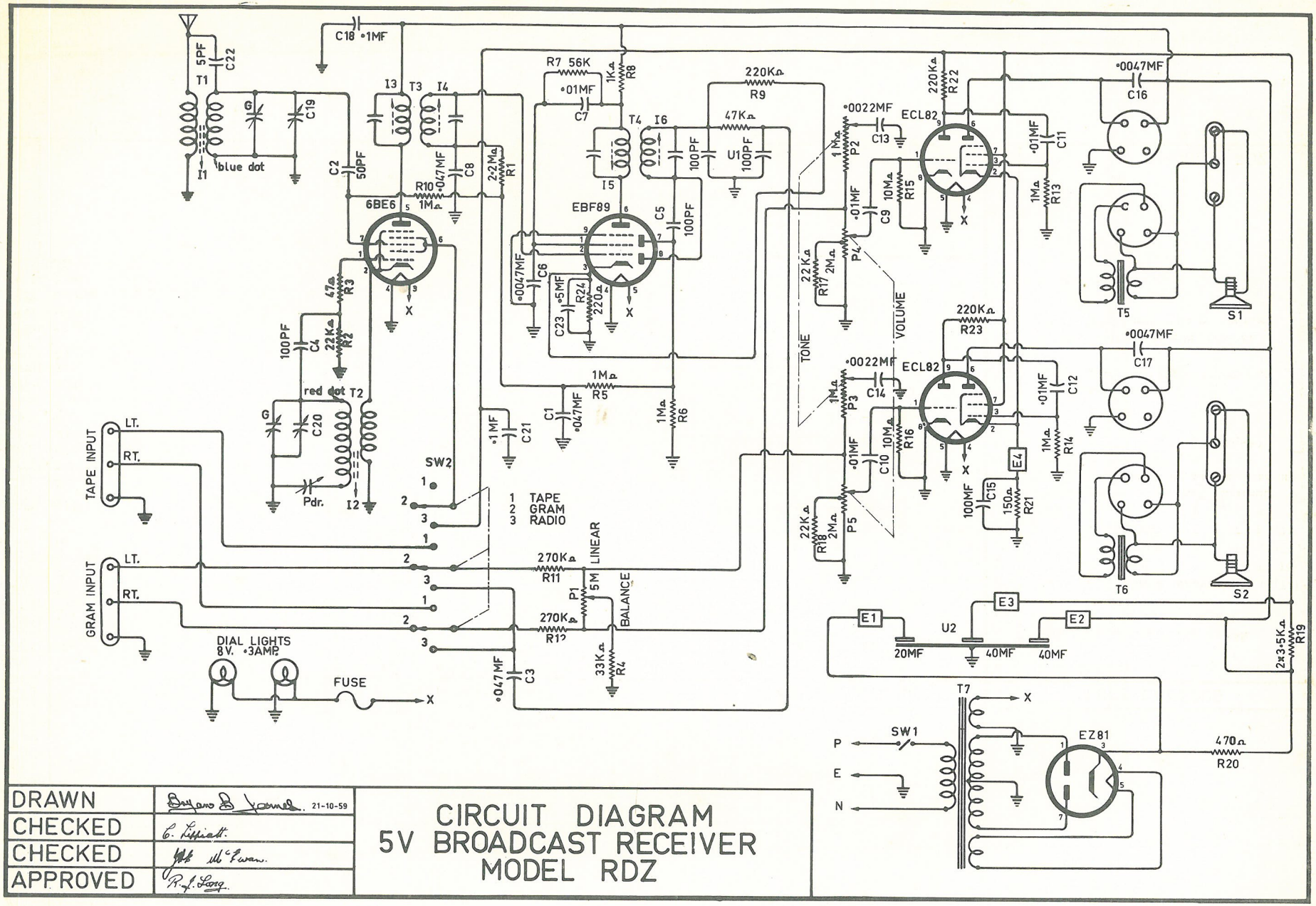


DRAWN	21-10-59
CHECKED	C. Liffiatt.
CHECKED	Mc Ewan.
APPROVED	R. J. Long.

CIRCUIT DIAGRAM
5V BROADCAST RECEIVER
MODEL RDZ

RESISTORS

R1	2·2MΩ	½WATT	±20%	CARBON
R2	22KΩ	"	"	"
R3	47Ω	"	"	"
R4	33KΩ	"	"	"
R5	1MΩ	"	"	"
R6	1MΩ	"	"	"
R7	56KΩ	"	"	"
R8	1KΩ	"	"	"
R9	220KΩ	"	"	"
R10	1MΩ	"	"	"
R11	270KΩ	"	±5%	"
R12	270KΩ	"	"	"
R13	1MΩ	"	±20%	"
R14	1MΩ	"	"	"
R15	10MΩ	"	"	"
R16	10MΩ	"	"	"
R17	22KΩ	"	±5%	"
R18	22KΩ	"	"	"
R19	2×3·5KΩ	5WATT	"	WIREWOUND
R20	470Ω	"	"	"
R21	150Ω	2WATT	±10%	CARBON
R22	220KΩ	½WATT	±20%	"
R23	220KΩ	"	"	"
R24	220Ω	"	"	"

CONDENSERS

C1	·047MF	100V.W. ±20%	PAPER
C2	50PF	CERAMIC ±2·5%	
C3	·047MF	100V.W. ±20%	PAPER
C4	100 PF	±10%	MICA
C5	100 PF	1000V.W. ±20%	STYROSEAL
C6	·0047MF	600V.W. "	PAPER
C7	·01MF	" "	"
C8	·047MF	100V.W. "	"
C9	·01MF	400V.W. "	STYROSEAL
C10	·01MF	" "	"
C11	·01MF	" "	"
C12	·01MF	" "	"
C13	·0022MF	" "	PAPER
C14	·0022MF	" "	"
C15	100MF	25V.W.	ELECTROLYTIC
C16	·0047MF	600V.W. ±20%	PAPER
C17	·0047MF	" "	"
C18	·1MF	400V.W. "	"
C19	CYLDON	P4 -70	COMPRESSION TRIMMER
C20	"	" "	"
C21	·1MF	400V.W.	PAPER
C22	5PF	CERAMIC ±20%	
Pdr.	600PF	PADDER	
C23	·5MF	150V.W.	METALIZED PAPER

VOLTAGES ±20%

E1	260V	AERIAL & EARTH LEADS SHORTED
E2	230V	
E3	97V	
E4	5·8V	
E1	260V	WITH 1V INPUT FROM SIG. GEN. BETWEEN EARTH & AERIAL (UNMODULATED)
E2	235V	
E3	102V	
E4	6·1V	

COILS & TRANSFORMERS

T1	AERIAL COIL	REC11	U.E.
T2	OSCILLATOR COIL	RBN7/A	U.E.
T3	PHILIPS 460KC	AP 1014/52	
T4	WEARITE 460KC	M850	
T5	ROLA CBG64		
T6	ROLA CBG64		
T7	POWER XFORMER	D/S№7917	REC9 U.E.

SPEAKERS

S1	ROLA 8MX 2Ω V.C.Z.
S2	ROLA 8MX 2Ω V.C.Z.

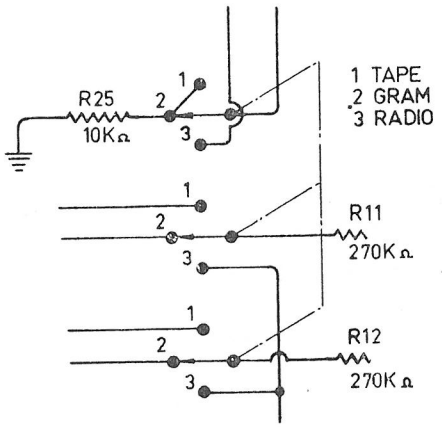
MISCELLANEOUS

G	3 GANG POLAR E20 S.L.W. (TUNING)
I1	IRON CORE FERRITE F14 6×1×16
I2	" " NEOSID TYPE 500
I3	" " ANODE WINDING IFT 1 (T4)
I4	" " GRID " IFT 1 (T4)
I5	" " ANODE " IFT 2 (T5)
I6	" " DIODE " IFT 2 (T5)
P1	5·0MΩ LINEAR (BALANCE CONTROL)
P2	1·0MΩ LOG. DUAL GANGED (TONE + ON/OFF)
P3	" " " " "
P4	2·0MΩ " " " (VOLUME)
P5	" " " " "
U1	1×47KΩ + 2×100PF
U2	40/40/20MF 350V.W. ELECTROLYTIC
SW1	ON/OFF SWITCH ON TONE CONTROL
SW2	4 POLE 3 POSITION ROTARY SWITCH

MODEL RDZ

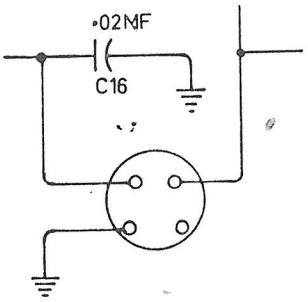
R

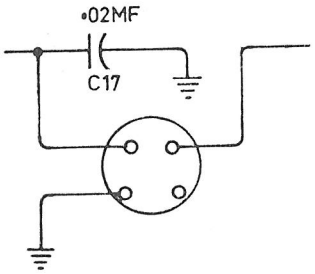
MODIFICATIONS TO CIRCUIT DIAGRAMS FOR MODEL RDX AND MODEL RDZ



NOTE USE THIS SECTION OF MODIFICATION ON MODEL RDZ CIRCUIT DIAGRAM ONLY

ADD R25 10KΩ 2WATT ±10% CARBON SEE SKETCH ABOVE





NOTE USE THIS SECTION OF MODIFICATION ON MODEL RDX AND MODEL RDZ

DELETE C16 AND C17 ·0047MF 600V.W. DUCON HIGHSEAL TPB648 CONDENSERS.

ADD C16 AND C17 ·02MF SIMPLEX CDS EZ CERAMIC CONDENSERS (PRE-TESTED TO MATCHED PAIRS ±20%) SEE SKETCH ABOVE

DELETE C9 AND C10 ·01MF 400V.W. DUCON STYROSEAL DFB242 CONDS.
ADD C9 AND C10 ·01MF +50% -20% DUCON CTR K6000 STYLE B CERAMIC CONDENSERS.

DRAWN	16·8·61
CHECKED	R.L. Long
APPROVED	R.L. Long