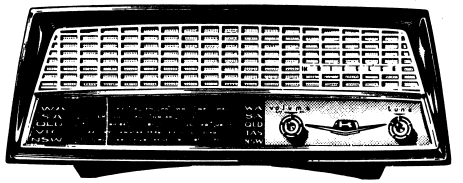
TECHNICAL SERVICE INFORMATION

ISSUED BY

KRIESLER AUSTRALASIA PTY. LTD.

43 ALICE ST. NEWTOWN. Phone: LA 0400

11-80 MANTEL RECEIVER A.C.



DESCRIPTION.

Model 11-80 is a four valve, mains-operated, Broadcast Band, mantel receiver housed in a moulded polystyrene cabinet. Pick-up terminals are provided at the rear of the cabinet.

DIMENSIONS. 16½" x 6¼" x 6".

AERIAL AND EARTH.

Leads are provided at the rear of the cabinet for the connection of an aerial and earth. (Red lead is aerial). All electrical appliances are required to be fitted with an approved earth. Where the chassis is not grounded, hum may be minimised by correct 'phasing' of the mains lead.

OPERATING VOLTAGE.

This receiver is factory adjusted for 240 volt operation at 50-60 c.p.s. For 220 volts operation, connect mains lead from switch to 220 volt tap.

TO REMOVE CHASSIS FROM CABINET.

Remove the two control knobs, four screws in back of cabinet, and four screws in base of cabinet. Remove loose back of cabinet and slide out the chassis.

VALVE COMPLEMENT.

V1. Mixer-Oscillator	6AN7
V2. Det./ I.F.Amplifier ..	6N8
V3. A.F.Amplifier/ Output.	6BM8
V4. Rectifier	6V4

REPLACEMENT PARTS.

Knobs	Part No. 90-647
Screws, cabinet back ...	3/8" No.8 P.K. Binding Hd.
Screws, chassis mtd. ...	½" No.8 P.K. Binding Hd.
Dial Scale	Part No. 69-28 (Philips)

TUNING FREQUENCY RANGE.

535 - 1650 Kc/s.

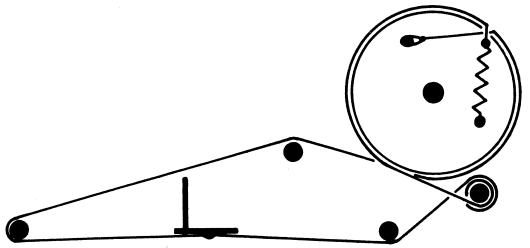
INTERMEDIATE FREQUENCY.

455 Kc/s.

ALIGNMENT PROCEDURE.

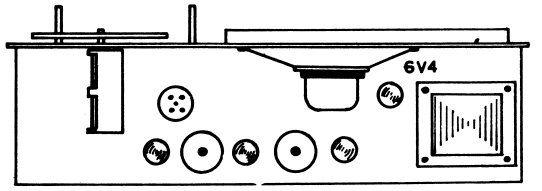
Conventional. (Refer Series "C" Radio Handbook.)

DIAL CORD LAYOUT



START WITH 50" OF DIAL CORD.
EXTEND SPRING TO 1"

VALVE LAYOUT



6AN7 6N8 6BM8

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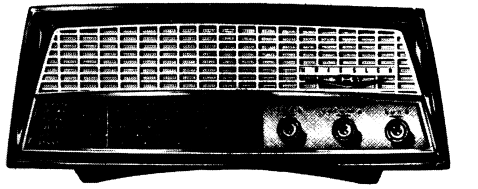
43 ALICE ST. NEWTOWN. Phone: LA 0400

11-81 MANTEL RECEIVER A.C.



DESCRIPTION.

Model 11-81 is a five-valve mains-operated Broadcast Band mantel receiver housed in a moulded polystyrene cabinet. Pick-up terminals are provided at the rear of the cabinet.

DIMENSIONS. 16½" x 6¼" x 6".

AERIAL AND EARTH.

An inbuilt ferrite-rod aerial is provided. All electrical appliances are required to be fitted with an approved earth. Where the chassis is not grounded, hum may be minimised by correct phasing of the mains lead.

OPERATING VOLTAGE.

This receiver is factory adjusted for 240 volt operation at 50-60 c.p.s.. For 220 volt operation, connect mains lead from switch to 220 volt tap.

TO REMOVE CHASSIS FROM CABINET.

Remove the three control knobs, four screws in back of cabinet and four screws in base of cabinet. Remove loose back of cabinet and slide out the chassis.

VALVE COMPLEMENT.

V1. Mixer-Oscillator	6AN7
V2. I.F. Amplifier/ Det. ..	6N8
V3. A.F.Amplifier	6BD7
V4. A.F. Output	6AQ5
V5. Rectifier	6V4

REPLACEMENT PARTS.

Knobs.....	Part No. 90-647
Screws, cabinet back ...	3/8" No.8 P.K. Binding Hd.
Screws, chassis mtg. ...	½" No.8 P.K. Binding Hd.
Dial Scale	Part No. 69-27 (A.W.A.)

TUNING FREQUENCY RANGE.

535-1650 Kc/s.

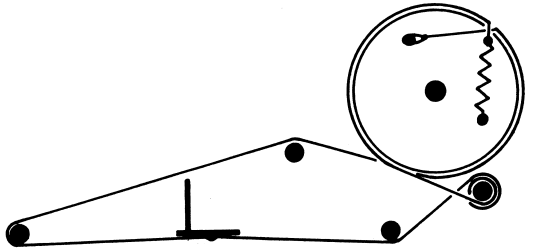
INTERMEDIATE FREQUENCY.

455 Kc/s.

ALIGNMENT PROCEDURE.

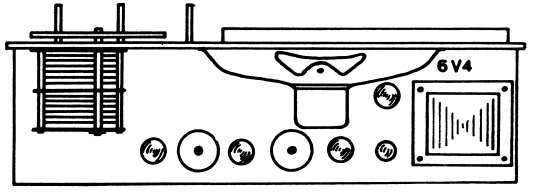
Conventional. (Refer Series "C" Radio Handbook.)

DIAL CORD LAYOUT.



START WITH 50" OF DIAL CORD.
EXTEND SPRING TO 1"

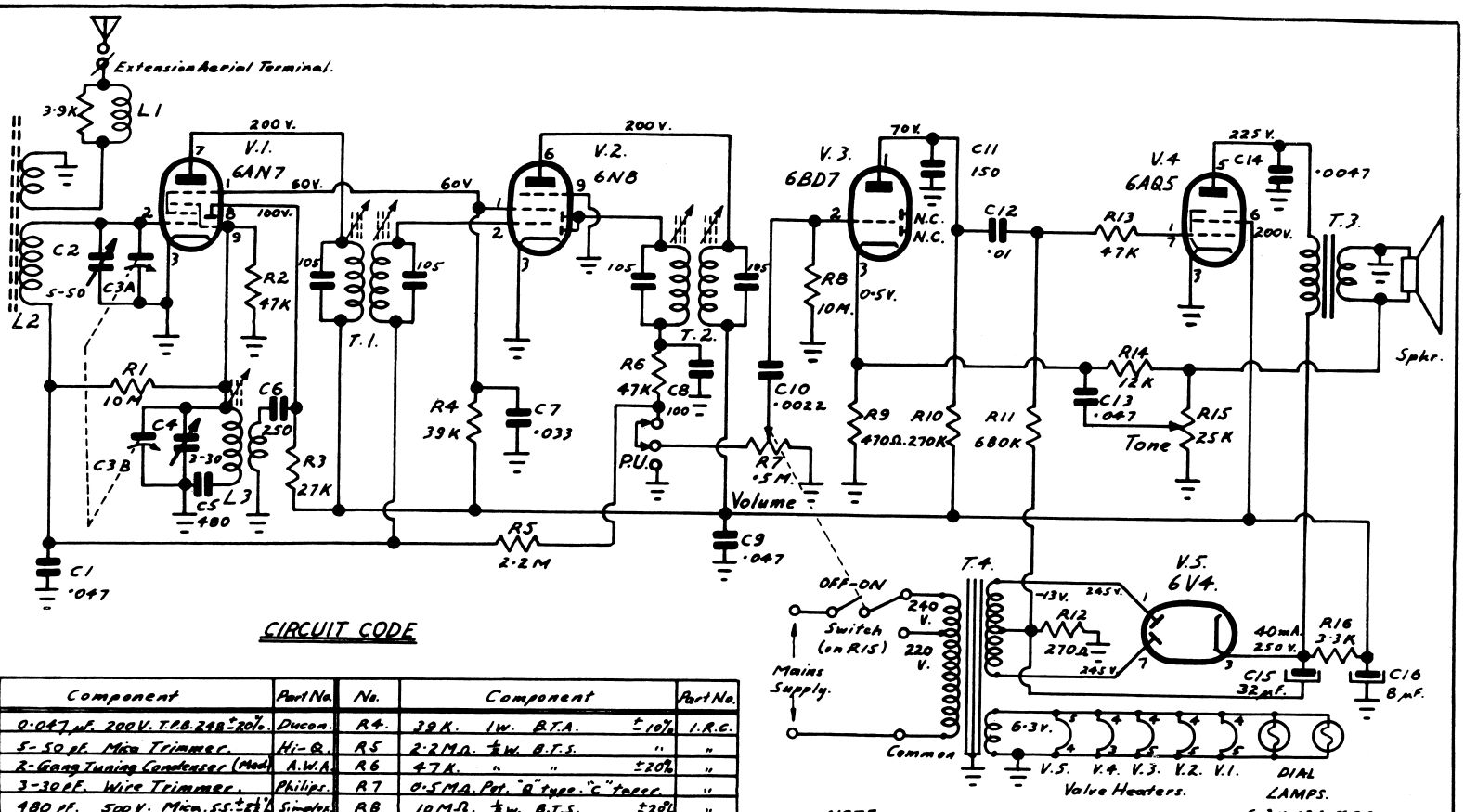
VALVE LAYOUT.



6AN7 6N8 6BD7 6AQ5

KRIESLER AC BROADCAST 5 VALVE MANTLE MODEL 11-81

K22



CIRCUIT CODE

No.	Component	Part No.	No.	Component	Part No.
C1.	0·047 µf. 200 V. T.P.B. 248 ±20%.	Ducon.	R4.	39K. 1W. B.T.A. ±10%	I.R.C.
C2.	5-50 pf. Mica Trimmer.	Hi-Q.	R5	2·2MΩ. ½W. B.T.S. "	"
C3.AB	2-Gang Tuning Condenser (Mod)	A.W.A.	R6	47K. " " ±20%	"
C4	3-30 pf. Wire Trimmer.	Philips.	R7	0·5MΩ. Pot. "A" type. "C" taper.	"
C5	480 pf. 500 V. Mica. S.S. ±2½%	Simplex.	R8	10MΩ. ½W. B.T.S. ±20%	"
C6	250 pf. 500 V. Mica. S.S. ±10%	"	R9	470Ω. " " ±10%	"
C7	0·033 µf. 400 V. T.P.B. 458 ±20%	Ducon.	R10	270K. 1W. B.T.A. "	"
C8	100 pf. 500 V. Mica. M.S. ±10%	Simplex	R11	680K. ½W. B.T.S. ±20%	"
C9	0·047 µf. 400 V. T.P.B. 460 ±20%	Ducon	R12	270Ω. 1W. Wire Wound.	"
C10	0·0022 µf. 400 V. T.P.B. 444 "	"	R13	47K. ½W. B.T.S. ±20%	"
C11	150 pf. 500 V. Mica. M.S. ±10%	Simplex.	R14	12K. " " "	"
C12	0·01 µf. 600 V. T.P.B. 652 ±20%	Ducon	R15	25K. Sw/Att. "A" type. "C" taper.	"
C13	0·047 µf. 200 V. T.P.B. 248 "	"	R16	3·3K. 2W. B.T.B. ±10%	"
C14	0·0047 µf. 600 V. T.P.B. 648 "	"	T.1. T.2.	I.F. Transformers. 455 Kc/s. K.	24-18
C15	32 µf. 350 P.V. Electro. +100 -10%	"	T.3.	Speaker Transformer. Type MI.	Rola.
C16	8 µf. 350 P.V. Electro. "	"	T.4.	Power. " K	18-98
			L1	Compensating Coil K	34-2.
R1.	10 MΩ. ½W. B.T.S. ±10%	I.R.C.	L2	Ferrite-Rod Aerial. K	14-41.
R2.	47K. " " "	"	L3	Oscillator Coil. K	14-37.
R3.	27K. 1W B.T.A. "	"	Spkr.	5 x 7 H. F86 Cone.	Rola.

NOTE

All voltage measurements taken in respect to chassis with a 1,000Ω/volt meter.

ISSUE	CHANGE	DATE	S'GN'D
10			
9			
8			
7			
6			
5			
4			
3			
2			
1	ORIGINAL		

				PROJECT	QTY.	PROJECT	QTY.	PROJECT	QTY.
MATERIAL		PLANNED							
GAUGE		DRAWN	J.Bent	12-5-58					
FINISH		CHECKED	O.R.Lee	13-7-59					
Prescription No.		APPROVED	A.Fewlass	23-7-59					

RECEIVER A.C. MANTEL | 11-81

Work to Dimensions only. Unless otherwise specified, Tolerances to be read as:— ± on Fractions. ± on Decimals.

Before production is commenced 2 samples must be submitted to Drawing Office for approval.

This Drawing must be returned to KRIESLER AUSTRALIA PTY. LTD. 61 ALICE STREET, NEWTOWN. | SCALE