

TECHNICAL SERVICE INFORMATION

ISSUED BY

KRIESLER AUSTRALASIA PTY. LTD.

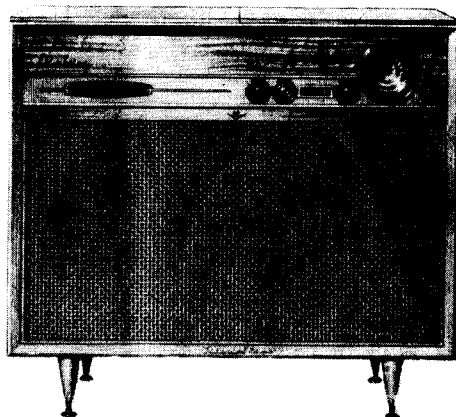
43 ALICE ST. NEWTOWN. Phone: LA 0400

Series "A" Radio Handbook

DESCRIPTION

Model 11-77 is a six valve broadcast radiogram designed for the reproduction of monaural or Westrex 45/45 system stereophonic records. The chassis is equipped with dual audio amplifiers and two twin cone speakers. The record changer is a four-speed automatic model with pick-up cartridges for both monaural and stereo records.

11-77 STEREOPHONIC RADIOGRAM



RECORD CHANGER.

Garrard Model RC 121 Mk. 2.

PICK-UP CARTRIDGES.

Monaural Garrard GC 2.

Stereo Garrard GCS 10.

VALVE COMPLEMENT.

V1. 6AN7 Mixer-Osc.

V4. 6M5 Audio Output

V2. 6N8 Det. A.V.C. I.F. Amp.

V5. 6M5 Audio Output

V3. 12AX7 Dual audio amplifier.

V6. 6V4 Rectifier

OPERATING VOLTAGES.

200 to 250 Volts 50 C.P.S. (240 V primary tapped at 220 V.)

To operate chassis on 250 V 40 C.P.S., include a 115 Ohm 20 watt wire-wound resistor in series with mains supply to power transformer. Information regarding record changer operation at supply frequencies other than 50 c.p.s. may be found in the Record Changer Instructions supplied with the unit.

AERIAL.

An inbuilt plate aerial provides adequate signal reception for areas within a reasonable distance from radio stations.

EARTH.

Since three core power flex is employed, no separate earth is required.

TO REMOVE CHASSIS OR RECORD CHANGER.

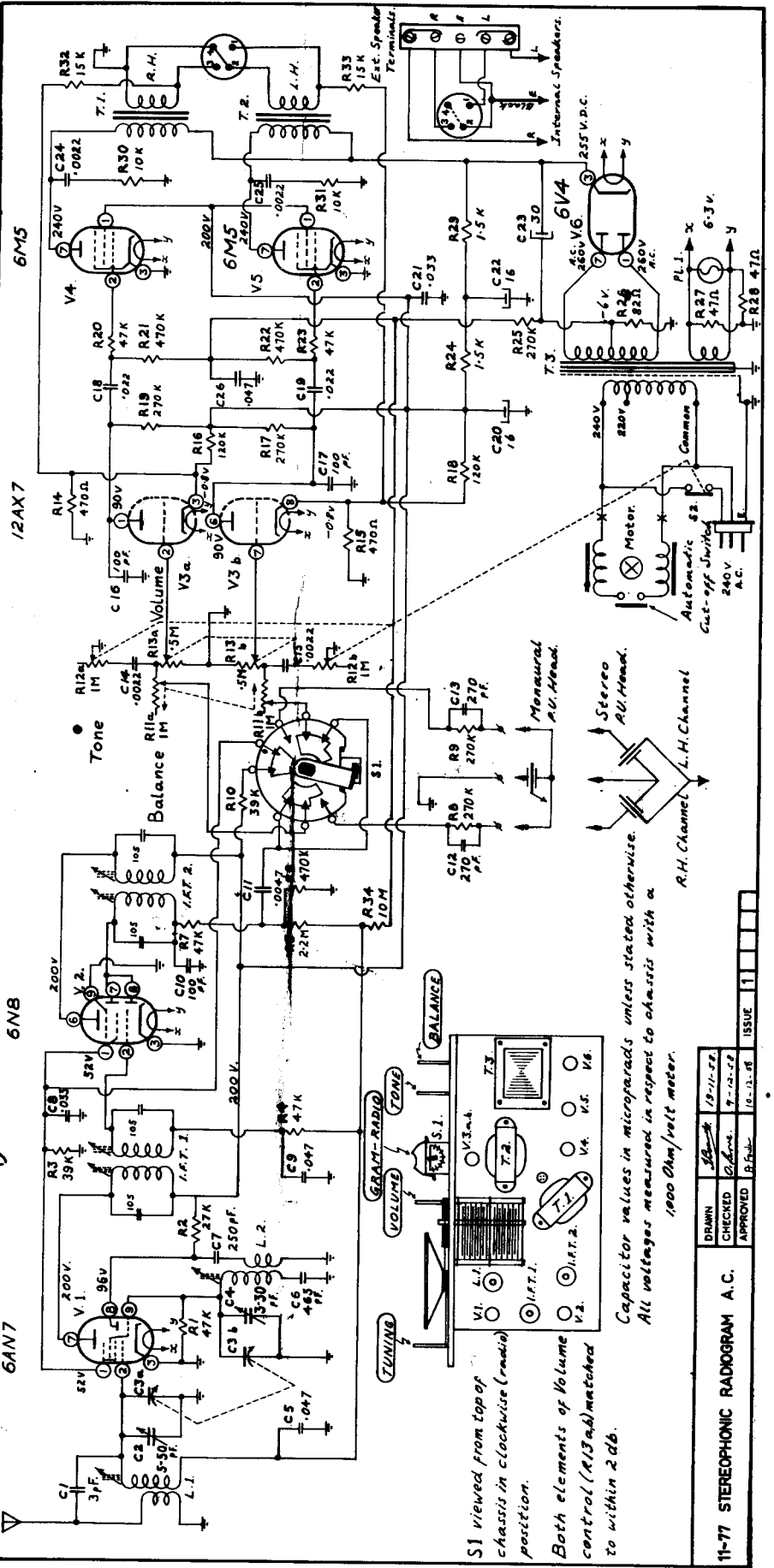
Refer Instruction Label on back of cabinet.

ALIGNMENT INSTRUCTIONS.

Conventional. I.F. Frequency 455 Kc/s. Tuning Range 535 - 1650 Kc/s.

GENERAL OPERATION.

MONAURAL. Both audio amplifiers are connected in parallel through a bridge in the pick-up head. The Balance control should be adjusted for equal volume from each speaker.
STEREOPHONIC. On stereophonic operation, the special twin crystal pick-up cartridge is used, to deliver the separate stereo information to separate audio amplifiers and loudspeakers. The Balance setting for monaural operation may not necessarily be correct for stereo operation. The control is best adjusted with the aid of a test record designed for the purpose.



6AN7

6NB

6M5

12AX7

6M5

S1 viewed from top of chassis in clockwise (radio) position.

Both elements of volume control (R13) matched to within 2 db.

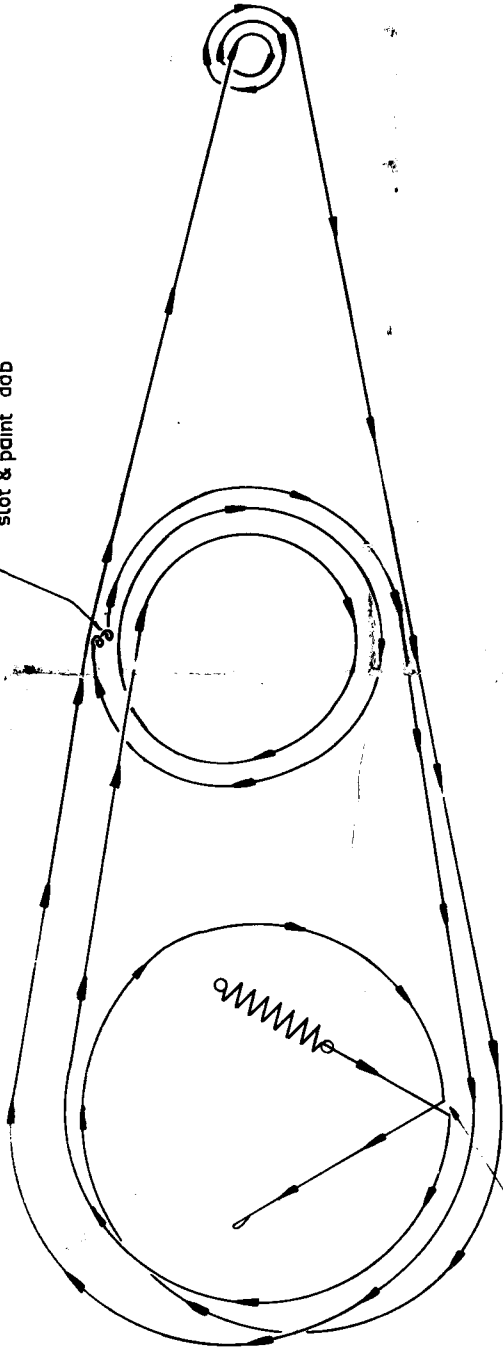
Capacitor values in microfarads unless stated otherwise. All voltages measured in respect to chassis with a 1000 Ohm/volt meter.

11-77 STEREPHONIC RADIOGRAM A.C.

DRAWN	J.A.	10-11-55
CHECKED	C.D.	9-10-55
APPROVED	R.F.	10-13-55

ISSUE 1

Push loops down in slot & paint dab



Hole in Drum

CLOSE GANG POSITION SLOT IN DIAL SCALE DRUM ON TOP & HOLE IN GANG DRUM AT BOTTOM WORKING FROM SPRING END OF CORD FOLLOW ARROWS ENSURING TWO FULL TURNS AROUND TUNING SPINDLE & TWO LOOPS AROUND DIAL DRUM ANCHOR LUG

Spring Part No. 16-311

59 1/2"

1"x 2mm "nylex" P.V.C. sleeve fitted over loops at cord ends

8
7
6
5
4
3
2
1

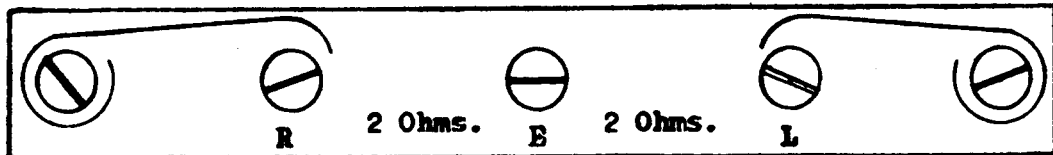
DIAL CORD LENGTH WAS 41 1/8" NOW 59 1/2" WINDING METHOD CHANGED		DATE	PROJECT	QTY.	PROJECT	QTY.
ISSUE	CHANGE	DATE	PROJECT	QTY.	PROJECT	QTY.
MATERIAL	PLANNED	J.V.M.	10-8-59	11-77	1	
GAUGE	DRAWN					
FINISH	CHECKED					
Prescription No.	APPROVED					

DIAL CORD LAYOUT 90-612-2

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

Before production is commenced 2 samples must be submitted to Drawing Office for approval. This Drawing must be returned to KRIBSLER AUSTRALIA PTY/LTD. 8 AUGUST STREET, NEWTOWN. SCALE

EXTENSION SPEAKER(s).



TO CONNECT EXTENSION SPEAKER(S).

1. Raise the wire bridge(s) as shown on above diagram.
2. Connect the extension speaker leads to R and E for a right-hand extension speaker L and E for left-hand speaker.

NOTE. Correct phasing of the speakers is important.

To determine correct phasing, change over the connections of one extension speaker and select the arrangement that gives the best bass response.

PARTS LIST

RESISTORS

R1	47 K	½ W	± 10%	R16	120 K	1 W	± 20%	
R2	27 K	1 W	"	R17	270 K	1 W	± 10%	
R3	39 K	½ W	± 20%	R18	120 K	1 W	± 20%	
R4	47 K	½ W	"	R19	270 K	1 W	± 10%	
R5	2.2 M	½ W	"	R20	47 K	½ W	± 20%	
R6	470 K	½ W	"	R21	470 K	½ W	"	
R7	47 K	½ W	"	R22	470 K	½ W	"	
R8	270 K	½ W	"	R23	47 K	½ W	"	
R9	270 K	½ W	"	R24	1.5 K	1 W	± 10%	
R10	39 K	1 W	"	R25	270 K	½ W	± 20%	
R11a, b.	1 M	2 Gang Pot.	"E" taper/"C" taper.	R26	82 Ohm.	1 W	± 10%	
			Kriesler Part No. 32-64	R27	47 Ohm.	½ W	± 20%	Wire W
R12a, b.	1 M	2 Gang S.P.S.T. Pot.	C&C taper.	R28	47 Ohm.	½ W	"	"
			Kriesler Part No. 32-63	R29	1.5 K	1 W	± 10%	
R13a, b.	5 M	2 Gang Pot.	C & C taper.	R30	10 K	1 W	± 20%	
			Kriesler Part No. 32-65	R31	10 K	1 W	"	
R14	470 Ohm.	½ W	± 10%	R32	15 K	½ W	± 10%	
R15	470 Ohm.	½ W	"	R33	15 K	½ W	"	
				R34	10 M	½ W	"	

CAPACITORS

C1	3 pF.	500 V	Mica.	± 10%	C14	.0022 uF.	400 V	Paper	± 20%
C2	5-50 pF.		Hi-Q Aerial Trimmer		C15	.0022 uF.	400 V	Paper	"
C3a, b.	Tuning Gang		A.W.A.		C16	100 pF.	500 V	Mica.	± 10%
C4	3-30 pF.		Wire Osc. Trimmer		C17	100 pF.	500 V	Mica.	"
C5	.047 uF.	200 V	Paper	± 20%	C18	.022 uF.	600 V	Paper	± 20%
C6	465 pF.	500 V	Mica.	± 2½ pF.	C19	.022 uF.	600 V	Paper	"
C7	250 pF.	500 V	Mica.	± 10%	C20	16 uF.	350 V	Electro.	
C8	.033 uF.	400 V	Paper	± 20%	C21	.033 uF.	400 V	Paper	± 20%
C9	.047 uF.	200 V	Paper	"	C22	16 uF.	350 V	Electro.	
C10	100 pF.	500 V	Mica.	± 10%	C23	30 uF.	350 V	Electro.	
C11	.0047 uF.	400 V	Paper	± 20%	C24	.0022 uF.	600 V	Paper	± 20%
C12	270 pF.	600 V	Styro.	"	C25	.0022 uF.	600 V	Paper	"
C13	270 pF.	600 V	Styro.	"	C26	.047 uF.	200 V	Paper	"

MISCELLANEOUS

L1	Aerial Coil.	Kr. Part No. 14-23		T3	Power Trans.	Kr. Part No. 18-101
L2	Oscill. Coil.	" " " 14-37		S1	Radio-Gram Sw.	" " " 17-52
IFT.1,2.	IF Trans.	" " " 24-21		PI.1	Pilot lamp.	6.3 V. 0.3 A. MES.
T1	Spkr. Trans.	7K/20hm. Rola. K9.		Spkrs	2 X Rola 8 MX. 2 Ohm V.C.	
T2	"	" " " " "				