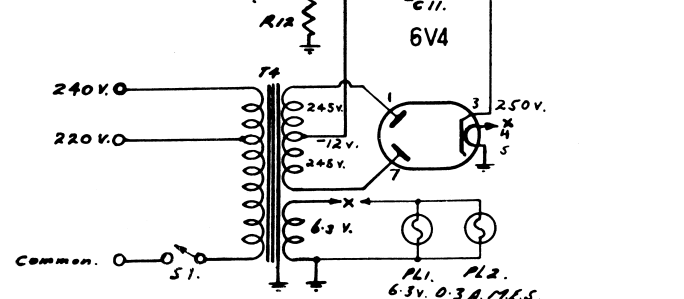


**CIRCUIT CODE**



**NOTE.** All voltage measurements taken with respect to earth with a 1000Ω/volt meter.

No.	DESCRIPTION	PART No.	No.	DESCRIPTION	PART No.
C1.	0.047 $\mu$ F. 200 V. T.P.B. 85°C. $\pm 15\%$	DUCON	R5.	47K $\Omega$ . $\frac{1}{2}$ W. B.T.S. $\pm 20\%$	I.R.C.
C2.	480 $\mu$ F. 500 V. MICA "S.S." $\pm 2\%$		R6.	0.5Meg $\Omega$ "Q" Type "C" Taper Potentiometer. "	"
C3.	250 $\mu$ F. " " " " $\pm 10\%$		R7.	10 Meg $\frac{1}{2}$ W. B.T.S. $\pm 20\%$	"
C4.	0.033 $\mu$ F. 400 V. T.P.B. 85°C. $\pm 15\%$	DUCON	R8.	470 $\Omega$ " " " " $\pm 10\%$	"
C5.	100 $\mu$ F. 500 V. MICA "M.S." $\pm 10\%$		R9.	270K $\Omega$ . 1 W. B.T.A. " "	"
C6.	0.0022 $\mu$ F. 400 V. T.P.B. 85°C. $\pm 15\%$	DUCON	R10.	470K $\Omega$ . $\frac{1}{2}$ W. B.T.S. " "	"
C7.	150 $\mu$ F. 500 V. MICA "M.S." $\pm 10\%$		R11.	47K $\Omega$ . " " " " $\pm 20\%$	"
C8.	0.022 $\mu$ F. 600 V. T.P.B. 85°C. $\pm 15\%$	DUCON	R12.	330 $\Omega$ . 1 W. B.T.A. $\pm 10\%$	"
C9.	0.047 $\mu$ F. 200 V. " " " " " "	"	R13.	12K $\Omega$ . $\frac{1}{2}$ W. B.T.S. " "	"
C10.	0.004 $\mu$ F. 600 V. " " " " " "	"	R14.	25K $\Omega$ "Q" Type "C" Taper Potentiometer. "	"
C11.	30 $\mu$ F. 350 P.V. ELECTRO. $\pm 10\%$	"	R15.	10Meg $\Omega$ . $\frac{1}{2}$ W. B.T.S. $\pm 20\%$	"
C12.	0.047 $\mu$ F. 400 V. T.P.B. 85°C. $\pm 15\%$	"	R16.	33K $\Omega$ . 2 W. B.T.B. $\pm 10\%$	"
C13.	16 $\mu$ F. 350 P.V. ELECTRO. $\pm 10\%$	"	L1.	COMPENSATING COIL. " "	34-2.
C14.	3-30 $\mu$ F. WIRE TRIMMER. " "	PHILIPS	L2.	LOOPSTICK AERIAL COIL. " "	14-41.
C15.	2 GANG. TUNING. (LARGE.) " "	A.W.A.	L3.	OSCILLATOR COIL. " "	14-37.
C16.	5-50 $\mu$ F. TRIMMER. " "	H.I.Q.	T1&2	I.F. TRANSFORMERS. 455 Kc/s. " "	24-18.
R1.	47K $\Omega$ . $\frac{1}{2}$ W. B.T.S. $\pm 20\%$	I.R.C.	T3.	SPEAKER TRANSFORMER. HBG96. " "	ROLA.
R2.	27K $\Omega$ . 1 W. B.T.A. " "	"	T4.	POWER " "	18-9B.
R3.	39K $\Omega$ . " " " " " "	"	Spkr.	5X7H. F86 Cone. " "	ROLA.
R4.	2.2Meg $\Omega$ . $\frac{1}{2}$ W. B.T.S. " "	"	S1.	OFF/ON SWITCH. S.P.S.T. " "	17-45.

MATERIAL	PLANNED	PROJECT	QTY.	PROJECT	QTY.	PROJECT	QTY.
GAUGE	DRAWN	20-6-28					
FINISH	CHECKED	24-2-28					
Prescription No.	APPROVED	27-7-28					
<b>MANTLE RECEIVER. A.C.</b>		<b>11-71A</b>		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.							SCALE
This Drawing must be returned to KRIESLER AUSTRALASIA PTY. LTD. 43 ALICE STREET, NEWTOWN.							

SERIES 'A' RADIO HANDBOOK

11-71 A Receiver Mantel Model AC.

GENERAL DESCRIPTION

This model is a five valve broadcast receiver housed in a moulded plastic cabinet. Electrically, this model is similar to the model 11-71, but incorporates a loopstick aerial coil.



VALVE COMPLEMENT

- 6AN7 Mixer-Oscillator
6N6 I.F. Amplifier, Det., A.V.C.
6BD7 A.F. Amplifier.
6AQ5 Output
6V4 Rectifier

Tuning Range. 535-1650 Kc/s
Intermediate Frequency. 455 Kc/s
Alignment Procedure. Refer Series 'C' Radio Handbook.
Operating Voltage. 200/250 Volts. 50-60 C/S. Tapped at 220 and 240 Volts.

TO REMOVE CHASSIS

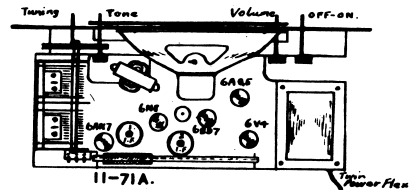
- 1 Remove the four control knobs.
2 Remove the pick-up bridge from rear of cabinet.
3 Remove the two screws securing rear cover and remove the cover.
4 Remove the four chassis mounting screws from base of cabinet.
5 Remove chassis from lip of cabinet and pull out.

REPLACEMENT PARTS

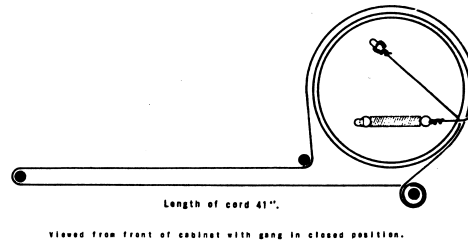
Table with columns: Location, Quantity, Description. Lists various parts like rear cover screws, chassis mounting screws, pick-up bridge, dial drive drum locking screw, dial glass, dial pointer assembly, cabinet escutcheon, badge 'KRIESLER', and badge 'VM'.

When ordering replacement parts, please state the following:- Model No., Chassis No., Circuit designation and description.

CHASSIS LAYOUT DIAGRAM



DIAL CORD LAYOUT



Viewed from front of cabinet with gang in closed position.

MODEL No. 11-72

PART No. 30-289-1

DESCRIPTION. Model 11-72 is a portable A.C. operated 5 - valve B/C radiogram fitted with a 4 speed automatic record changer. It is build into a two tone, plastic covered, moisture resistant plywood case fitted with a lockable lid and a carrying handle.

RECORD CHANGER. The three types of record changer employed in this model are:-

- (i) Collaro RC 456 (ii) Garrard RC 120/4H (iii) B.S.R. UA8

DIMENSIONS AND WEIGHT.

Table with columns: HEIGHT, WIDTH, DEPTH, WEIGHT. Values for (i) As packed at factory and (ii) Ready for use.

CONTROLS. All controls are accessible from the outside of the case, from left to right they are:- Tone & Off/On, Volume, Radio-gram switch, Tuning.

MAINS SUPPLY. Model 11-72 will operate from A.C. mains only. When despatched from the factory it is adjusted to operate from 230-250V 50 c.p.s. supply. Should the mains supply voltage fall in the range 210-230V. it is necessary to adjust the mains tap on the power transformer.

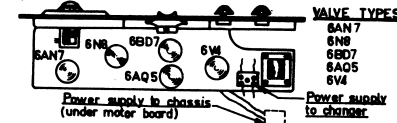
No adjustment to the record changer is required under these circumstances but should the frequency of the mains supply be other than 50 c.p.s. it will be necessary to change the 4 - speed motor pulley in accordance with the record changer manufacturers instructions.

AERIAL & EARTH to be connected at the rear of the receiver. The aerial lead should be clamped under the screw identified by red washer and the earth lead under the screw identified by the black washer.

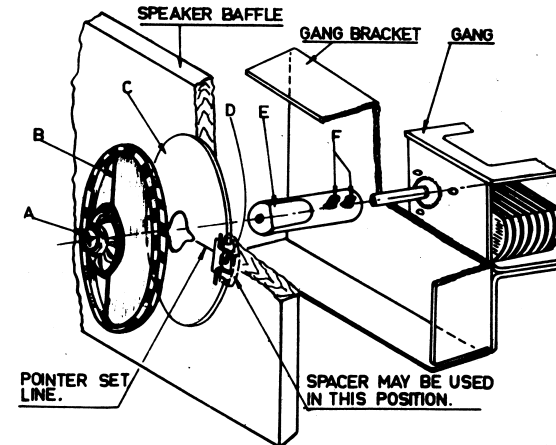
REMOVAL OF RECORD CHANGER AND CHASSIS. Remove the three screws securing the cover board to which the instruction label is attached. With stylus in neutral position, P.U arm secured on rest and record changer secured by transit clamps, remove the six screws that hold the motor board, disconnect A.C. power lead to changer at terminal block on chassis, and unplug P.U. leads. Record changer may now be removed from the cabinet by first raising L.H.S. of unit and then lifting it clear. Disconnect power supply lead to chassis, at the terminal block on base of cabinet, and remove aerial/earth terminal block from rear of cabinet. Remove two screws and clamps located at top of baffle and two screws securing rear of chassis. Chassis may now be shifted back about 1" turned face downwards and removed.

TO REPLACE. Reverse above procedure.

VALVE LAYOUT



DIAL ASSEMBLY



To detach the chassis from the speaker baffle the pointer "B" can be removed by unscrewing the gold plated screw "A" and pulling off. Provided that the grub screws "F" (securing the spindle extension "E") and the dial "C" have not been disturbed, the clear pointer "B" should take up its correct position on replacement. Ensure that any washers are correctly replaced. However, if any of the parts in the dial assembly have been disturbed, the following assembly procedure should be adopted.

- With the gang closed and in position on the chassis, and the chassis attached to the speaker baffle:-
1. Attach the dial scale "C" to the baffle by means of two No. 4 x 1/4" wood screws and the dial scale clamps "D" so that it is concentric with the gang spindle and the "pointer set" line is horizontal. Check that spacers, if used are correctly replaced.
2. Attach the clear pointer "B" to the extension spindle "E" by means of the gold plated screw "A".
3. With the gang in the fully closed position and the line on the pointer "B" lined up with the "pointer set" line on the dial scale "C", slide the pointer assembly on to the gang spindle, leaving adequate clearance between the pointer "B" and the dial scale "C". Tighten the grub screws "F".
4. Align the receiver electrically to the dial scale "C" in the usual manner.

11-72 SERVICE DATA 30-289-1. Table with columns: MATERIALS, PLANNING, LAY/OUT, ENGINEERING, DRAWING, CHECKED, LAY/OUT, APPROVED, DATE, BY, REVISION, etc.