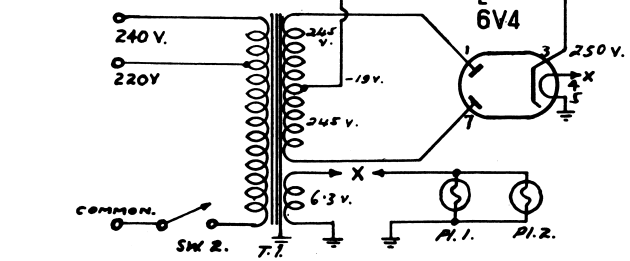


| CIRCUIT DESIGNATION | DESCRIPTION | PART No. | CIRCUIT DESIGNATION | DESCRIPTION | PART No. |
|---------------------|--|----------|---------------------|--|----------|
| C1 | Capacitor 0.05 μ F. 200V. Paper $\pm 20\%$ | Ducor. | R8 | Resistor. 10M Ω 1/2W. B.T.S. $\pm 20\%$ | A.R.C. |
| C2 | " Var. 5-50pF. Trimmer | M.Y.G. | R9 | " 270K Ω 1/4W. B.T.S. $\pm 10\%$ | " |
| C3 A.B. | " Var. 10-400pF. A.G.A. 500V | M.S.P. | R10 | " 470 Ω 1/2W. B.T.S. $\pm 10\%$ | " |
| C4 | " Var. 3-30pF. Wire Trimmer | Philips | R11 | " 3.3K Ω 2W. B.T.B. $\pm 10\%$ | " |
| C5 | " 435pF. 500V. Min. 10% $\pm 20\%$ | Ducor | R12 | " 680K Ω 1/2W. B.T.S. $\pm 20\%$ | " |
| C6 | " 250pF. 500V. " $\pm 20\%$ | " | R13 | " 47K Ω 1/2W. " $\pm 20\%$ | " |
| C7 | " 0.033 μ F. 200V. Paper $\pm 20\%$ | " | R14 | " 12K Ω 1/2W. " $\pm 20\%$ | " |
| C8 | " 100pF. 200V. Min. 10% $\pm 20\%$ | " | R15 | Potentiometer. 1M Ω B Type 500pF. | " |
| C9 | " 0.0022 μ F. 200V. Paper $\pm 20\%$ | " | R16 | Resistor. 10M Ω 1/2W. B.T.S. $\pm 20\%$ | " |
| C10 | " 100pF. 500V. Min. 10% $\pm 20\%$ | " | R17 | " 470 Ω 1/2W. B.T.B. $\pm 10\%$ | " |
| C11 | " 0.02 μ F. 600V. Paper $\pm 20\%$ | " | L1 | Aerial Coil. | A-23 |
| C12 | " 0.005 μ F. 600V. Paper $\pm 20\%$ | " | L2 | Oscillator Coil. | A-22 |
| C13 | " 0.0022 μ F. 200V. " $\pm 20\%$ | " | I.F.T.A.B. | I.F. Transformer. 455KHz. | 29-10 |
| C14 | " 0.033 μ F. 200V. " $\pm 20\%$ | " | SW.1. | Phono-Radio Switch. | " |
| C15 | " 30 μ F. 350V. Electro. 100V. | " | SW.2. | Mains Switch. (on R15) | " |
| C16 | " 20 μ F. 350V. " $\pm 20\%$ | " | T.1 | Power Transformer. | 10-62 |
| R1 | Resistor. 47K Ω 1/2W. B.T.S. $\pm 20\%$ | A.R.C. | T.2 | Speaker Transformer. | Rela |
| R2 | " 27K Ω 1W. B.T.S. $\pm 10\%$ | " | | Rela. Type M1. | " |
| R3 | " 39K Ω 1W. " $\pm 20\%$ | " | Spkr. | Rela. Type 545. Cone F.83. | " |
| R4 | " 2.2M Ω 1/2W. B.T.S. $\pm 20\%$ | " | Pilot Lights | 6.3V. 0.3A. M.S. | " |
| R5 | " 47K Ω 1/2W. " $\pm 20\%$ | " | | | " |
| R6 | " 680K Ω 1/2W. " $\pm 20\%$ | " | | | " |
| R7 | Potentiometer. 500K Ω . B Type. | " | | | " |



Note:
All Voltage Measurements taken with respect to earth with a 1000 Ω /Volt meter.

| MATERIAL | PLANNED | PROJECT | QTY. | PROJECT | QTY. | PROJECT | QTY. |
|---|---------|---------|------|---|------|---------|------|
| GAUGE | | | | | | | |
| FINISH | | | | | | | |
| Prescription No. | | | | | | | |
| PORTABLE RADIOGRAM.A.C. | | 11-75 | | Work to Dimensions only. Unless otherwise specified. Tolerances to be read as: \pm on Fractions. \pm on Decimals. | | | |
| Before production is commenced 2 samples must be submitted to Drawing Office for approval. | | | | ISSUE 1 | | | |
| This Drawing must be returned to KRIESLER AUSTRALASIA PTY. LTD. 43 ALICE STREET, NEWTOWN. SCALE | | | | | | | |

KRIESLER AUSTRALASIA PTY. LTD.

43 ALICE ST. NEWTOWN. Phone: LA 0400

SERIES "A" RADIO HANDBOOK

GENERAL DESCRIPTION

This model is a four valve broadcast portable radiogram housed in a vynex covered wooden cabinet. The record player is a 4-speed B.S.R. type HF8, fitted with a TC8M turnover crystal pick-up.

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.

VALVE COMPLEMENT

6AN7 Mixer-Oscillator. 6BM8 A.F. Amplifier, Output
6N8 I.F. Amplifier, Det., A.V.C. 6V4 Rectifier.

TO REMOVE CHASSIS

Remove two gold-plated self-tapping screws from underside of cabinet, and two gold-plated screws from cover plate (where power cord holders are mounted). Chassis will then pull out far enough for minor servicing. To completely remove chassis from cabinet, unplug pick-up lead and mains supply to player at rear of chassis. Remove screws holding aerial and earth terminal block. This will enable the chassis to be removed to the length of the power lead. The motor board must be removed to enable the plug end of power lead to pass through cabinet.

TO REMOVE PLAYER

With stylus in neutral position, pick-up arm secured on rest and record player secured by transit screws, remove the six screws that hold the motor board to the cabinet. Lift front of board slightly and pull towards the front. The motor board will then lift far enough to unplug pick-up and power supply leads at rear of chassis. The motor board with player can then be lifted clear of cabinet.

TO REPLACE

Reverse above procedure.
N.B. Care must be taken when plugging-in player mains supply to socket on rear of chassis. If plug is inserted in incorrect position, player may become "alive".

TO REPLACE DIAL LAMPS

Remove gold-plated screw in centre of dial front and pull off dial knob. Remove station scale by taking out two securing screws. The dial lamps will now be accessible for replacement.

TO ADJUST DIAL SCALE

Set horizontal line on dial pointer in line with the horizontal line on the station scale by raising or lowering the rear gang bracket on the chassis.

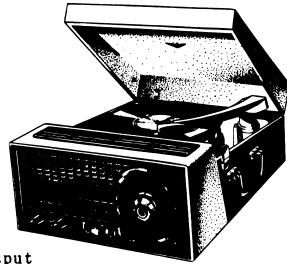
NOTE: ALWAYS set record player speed selector knob on neutral position (N) when player is not in use.

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

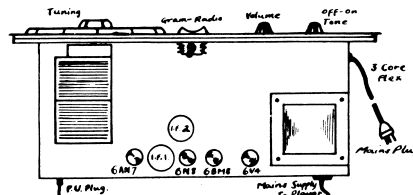
REPLACEMENT PARTS

| Location | Qty. | Description |
|--------------------------------------|------|------------------------------------|
| Dial Scale | 1 | Part No. 20/277 |
| Dial Pointer | 1 | Part No. 20/244 |
| Hub Cap Gold-Plated | 1 | Part No. 16/741 |
| Outer Ring | 1 | Part No. 16/742 |
| Centre Screw | 1 | Part No. 26/177 |
| Station Scale Clips | 2 | 16/746 |
| " " Screws | 2 | 3/8" x No.2 PK. Rd. Hd. |
| Phono Switch Locking Screw | 1 | 5-32" x 1/2" Whit. Rd. Hd. |
| " " " " Nut | 1 | 5/32" Sq. Whit. |
| Chassis Mounting Screws | 4 | 3/4" x No.8 A or J.P.K. Raised Hd. |
| Angle Nuts for Above | 2 | Part No. SNO-1731 |
| Captive Nuts for Above | 2 | Part No. SNJ-0116/5 |
| Nylon Power Cord Holders | 2 | Part No. 20/276 |
| Clips for Above | 2 | Part No. SFP-0216 |
| Motor Board Mounting Screws | 6 | 1" x No.6 Raised Hd. Wood Screws |
| Washers for Above | 6 | No.244 Screw cup washers |
| Badge. VK on lid. | 1 | Part No. 36/20 |
| Badge "KRIESLER-Silver anniversary." | 1 | Part No. 16/788 |

11-75 Portable Radiogram. AC.



CHASSIS LAYOUT DIAGRAM



KRIESLER AUSTRALASIA PTY. LTD.

43 ALICE ST. NEWTOWN. Phone: LA 0400

DESCRIPTION. Model 11-76 is a portable A.C. 5 valve B/C radiogram fitted with a four speed automatic record changer. It is built into a two-tone, plastic covered, moisture resistant plywood case fitted with lid fasteners and a carrying handle.

11-76 PORTABLE RADIOGRAM A.C. operated

DIMENSIONS 20 1/4" x 16 1/2" x 9 1/2"

WEIGHT. Packed - 34 lbs. Nett - 28 lbs.

MAINS SUPPLY. 200-260 Volts. (With 220V tap). 50 c.p.s.

TUNING RANGE. 535-1650 Kc/s.

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

RECORD CHANGER. B.S.R. UAS.

PICK-UP CARTRIDGE. TC8H or TC8M.

AERIAL. A ferrite rod aerial is built into the receiver and an external aerial terminal is provided on the base of the cabinet. (Identified by a red washer.)
NOTE. The external aerial bracket is mounted so as to swivel and allow easy location of the nut when inserting the aerial screw.

TO REPLACE DIAL LAMPS. Remove gold plated screw in centre of clear tuning knob and remove knob. Remove two screws securing dial scale and remove scale. The dial lamps are now accessible.

TO ADJUST TUNING KNOB. The rear gang support bracket has been provided with a slot and locking screw to facilitate adjustment of the dial scale clearance by raising or lowering the rear end of the tuning gang. Adjustment here should only be necessary if the clear plastic tuning knob scrapes on the dial scale.

REMOVAL OF RECORD CHANGER AND CHASSIS. See instruction label on cover board.

CIRCUIT CODE.

Capacitors.

| | | | | | |
|------|------------|----------------------|-----|-----------|---------------------|
| C1 | 5-50pF. | Hy-Q Trimmer | C10 | 220pF. | MS Mica. |
| C2AB | AWA 2 Gang | Tuning Capacitor. | C11 | 0.0022uF. | 600VW. Paper |
| C3 | 3-30pF. | Philips Wire Trimmer | C12 | 0.0022uF. | 600VW. Paper |
| C4 | 0.047uF. | 400VW. Paper. | C13 | 150pF. | MS.Mica. |
| C5 | 480pF. | SM Mica. | C14 | 0.022uF. | 600VW. Paper |
| C6 | 250pF. | MS Mica. | C15 | 0.01uF. | 200VW. Paper |
| C7 | 0.047uF. | 400VW. Paper | C16 | 0.0047uF. | 600VW. Paper |
| C8 | 0.033uF. | 400VW. Paper | C17 | 32uF. | 350VW. Electrolytic |
| C9 | 150pF. | MS Mica | C18 | 17uF. | 350VW. Electrolytic |

Resistors.

| | | | | | |
|-----|------------|-------------------|-----|------------|--------------------------|
| R1 | 47K | 1/2W. | R11 | 10 Megohms | 1/2W |
| R2 | 39K | 1W. | R12 | 470Ω | 1/2W |
| R3 | 47K | 1/2W | R13 | 270K | 1W |
| R4 | 39K | 1W | R14 | 470K | 1/2W |
| R5 | 100K | 1/2W | R15 | 47K | 1/2W |
| R6 | 1 Megohm | 1/2W | R16 | 12K | 1/2W |
| R7 | 10 Megohms | 1/2W | R17 | 25K | Switch/Pot. Pt.No. 32-59 |
| R8 | 220K | 1/2W | R18 | 220Ω | 1/2W |
| R9 | 220K | 1/2W | R19 | 3.3K | 2W |
| R10 | 0.5 Megohm | Pot. Pt.No. 32-57 | R20 | 330Ω | 1W |