

KRIESLER

AUSTRALASIA PTY. LIMITED

TECHNICAL SERVICE INFORMATION

ISSUED BY KRIESLER AUSTRALASIA PTY. LIMITED,
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RADIO DATA SHEET No. 102

DESCRIPTION: Model 11-102 is an eight valve, plus valve type tuning indicator, Broadcast Band, pushpull output, Stereophonic Radiogram, housed in a timber cabinet fitted with short gold-capped legs. Electrostatic speakers are used as 'tweeters' in each channel. Bass is provided by 12" low-resonance speakers and 6" x 4" elliptical speakers cover the middle ranges. Separate Bass and Treble Controls are incorporated for flexibility in adjusting the tonal range. Input and Output jacks are fitted on the control panel so that microphone, tape recorders, or external speakers may be readily connected. An "Extension speaker" tag strip also is provided for permanent connection of external speakers, if desired. A microphone (Part No. 90-7400) is supplied with the unit. Stowage is available for a medium-sized tape recorder and/or for record storage.

SPEAKERS: 2 x 15Ω Magnavox 12PI; 2 x 33Ω Magnavox 64SIC; 2 x Magnavox E3.5.

RECORD CHANGER PICK-UP CARTRIDGE **STYLUS** **STYLUS PRESSURE**
BSR UA 15 CI CERAMIC ST4 (Diamond) 6 Gms.

DIMENSIONS: width 44", Height (inc. legs) 29½", Depth 17½". Packed weight 114 lb.

DESCRIPTION: Model 11-103 is an eight valve, plus meter type tuning indicator/Stereo Balance Meter, Broadcast Band, pushpull output, Stereophonic Radiogram, housed in a timber cabinet fitted with short gold-capped legs. Electrostatic speakers are used as 'tweeters' in each channel. Bass is provided by 12" low resonance speakers and two 6" x 4" elliptical speakers per channel ensure a flat response over the middle ranges. Separate Bass and Treble Controls are incorporated for flexibility in adjusting the tonal range. Input and Output jacks are fitted on the control panel so that microphone, tape recorder, or external speakers may be readily connected. An "Extension speaker" tag strip also is provided for permanent connection of external speakers, if desired. A microphone (Part No. 90-7400) is supplied with the unit. Stowage is available for a medium-sized tape recorder and/or for record storage.

SPEAKERS: 2 x 15Ω Magnavox 12PI; 4 x 15Ω Magnavox 64SIC; 2 x Magnavox E3.5.

RECORD CHANGER PICK UP CARTRIDGE **STYLUS** **STYLUS PRESSURE**
Garrad Type AT60. Sonotone 9TA. 9TA-SD diamond. 6 gms.

DIMENSIONS: Width 46½", Height (inc. legs) 30½", Depth 17½". Packed weight 126 lb.

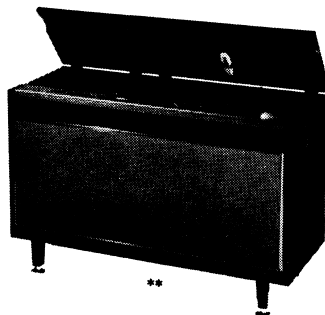
CIRCUITRY DETAIL: Except for the additional 6" x 4" speakers in Model 11-103 and for the wiring and component differences occasioned by the use of either a valve type tuning indicator or a meter type tuning indicator/stereo balance meter, the two circuits are identical. The circuit published in this manual is that of Model 11-102. A circuit also is included which identifies the components that are added or (in one case) changed in value; and indicates the wiring (in Model 11-102) that is redundant and therefore deleted in Model 11-103. In Model 11-103, the two 6" x 4" speakers per channel are wired in series as a pair and then connected in parallel with the 12" speaker.

MAINS SUPPLY: 200 to 250 volts, 50 c.p.c. (240-V primary tapped at 220 volts). The chassis is suitable for operation on a mains frequency of 40, 50 or 60 c.p.s. but for "GRAM" operation on other than 50 c.p.s., the motor pulley must be changed.

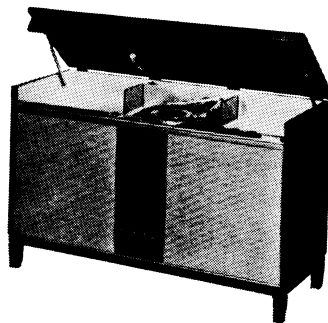
FUSE: A heater fuse is located on a lug strip in the separate power supply chassis (0.012" dia. tinned copperwire).

** Early production; later models have wood panel down front centre, similar to but narrower than Model 11-103.

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MODEL 11-102



MODEL 11-103

AERIAL: In difficult reception areas, or where the directivity of the inbuilt ferrite-rod aerial limits the orientation of the receiver, improved signal pick-up may be achieved by connecting an external aerial, approximately 30 feet long, to the red lead at the rear of the receiver cabinet.

EARTH: If the mains earth is not a satisfactory 'radio' earth, a separate earth may be connected to the chassis.

MAINS HUM: This unit, though fitted with high-gain audio amplifiers, is not abnormally susceptible to incorrect phasing of the mains supply power leads. However, if the residual hum level is higher than expected, reverse the power supply leads to ascertain the correct phasing. Alternatively, the hum-bucking pre-set (R13) may be re-adjusted while listening for a null in the hum level.

TUNING RANGE: 525-1635 Kc/s.

I.F. 455 Kc/s.

ALIGNMENT: Conventional.

SPECIAL NOTE, RECORD CHANGER: On all occasions of transporting this receiver the record changer transit screws should be tightened to prevent damage to the unit. On installation, the transit screws must be loosened.

VALVE ACCESS: Remove cabinet back. Valves are now accessible.

CHASSIS REMOVAL AND REPLACEMENT: This is required for normal servicing.

1. Unplug mains supply lead from mains supply socket.
2. Remove cabinet back.
3. Free extension speaker tag strip by removing two No. 6 PK screws.
4. Unclip one Utilux pin-clip securing leads to extension speaker tag strip.
5. Remove all knobs from the control panel (pull-off type), noting the location of each knob for correct replacement.
6. Remove four No. 6 size screws from the back bottom edge of the full-length escutcheon. Press and hold down together the Hi-Fi and Filter pushbuttons. Press down together the Radio, Gram and Power On pushbuttons. All five pushbuttons will now remain down and **must** remain down for the escutcheon to be removed.
7. Remove the escutcheon. The front edge is held captive by a groove in the extrusion therefore (commencing at the left-hand end) with a two-direction pressure, slightly lift upward the back bottom edge of the escutcheon and at the same time strongly pull the edge toward the rear of the cabinet. When this end is felt to be free, move progressively toward the righthand end. When the entire length is free, lift off the escutcheon.
- 7a. Model 11-103 only. Disconnect leads to the Stereo Balance Meter.
8. Remove three chassis-mounting screws. In Model 11-102, these are gold-plated, decorative-head screws and are accessible from within the well of the record-changer and record stowage compartments, where they secure the chassis to front (wood) wall of the compartments. When removing the last screw, hold the chassis so that it does not slip down into the well of the main section of the cabinet.
In Model 11-103, the three chassis-mounting screws are accessible in the main section of the cabinet (having removed the back), beneath the compartment wells. (When removing the screws, it is not necessary to support the chassis as in Model 11-102.)
9. Suitably protecting the polished woodwork, lay the chassis across the top of the record changer compartment.
10. Replace chassis in reverse sequence of operations outlined above.

DIAL LIGHT REPLACEMENT: The dial scale backing plate is secured to the chassis by two metal tabs engaging in slots in the lefthand end and a No. 6 screw in the righthand end. Remove the No. 6 screw and lift the righthand end to an angle of about 30 degrees. Move the backing plate sideways to the right so that the tabs disengage from the slots. Lift the entire dial scale assembly, allowing the station pointers to angle over the edges of the dial scale until clear. The dial light is now accessible.

RECORD CHANGER REMOVAL:

1. Remove the cabinet back.
2. Disconnect the power and pickup leads (if required).
3. From beneath the changer deck, turn the clips on the bottom ends of the transit screws until they lie vertically.
4. The record changer may now be lifted off the motor board and removed from the cabinet.

CARE OF CABINET: Polish with any reputable make of furniture polish. If alcoholic spirits are accidentally spilled on woodwork, the effects cannot be removed unless wiped off immediately. Beer, soft-drinks, milk beverages, children's butter-y or egg-y fingermark stains may be removed by wiping clean with a soft cloth and polishing with furniture polish. The anodised aluminium matt finishes are reasonably impervious to boiling water and to finger marks if wiped off without delay; also to most household foodstuffs, soft-drinks and alcohol. However, milk, lemon juice, household cleansers and bleaches produce a stain which, though usually discernible at certain viewing angles only, is indelible. Rubbing with steel wool will produce a prominent stain, therefore **very light** rubbing with steel wool should only be resorted to if the stain so produced is less disfiguring than the original stain (however produced) which it is desired to remove. A soft cloth moistened with water, to which a few drops of detergent have been added, will remove all substances that do not stain. After cleaning, the surface should be dried with a soft cloth.

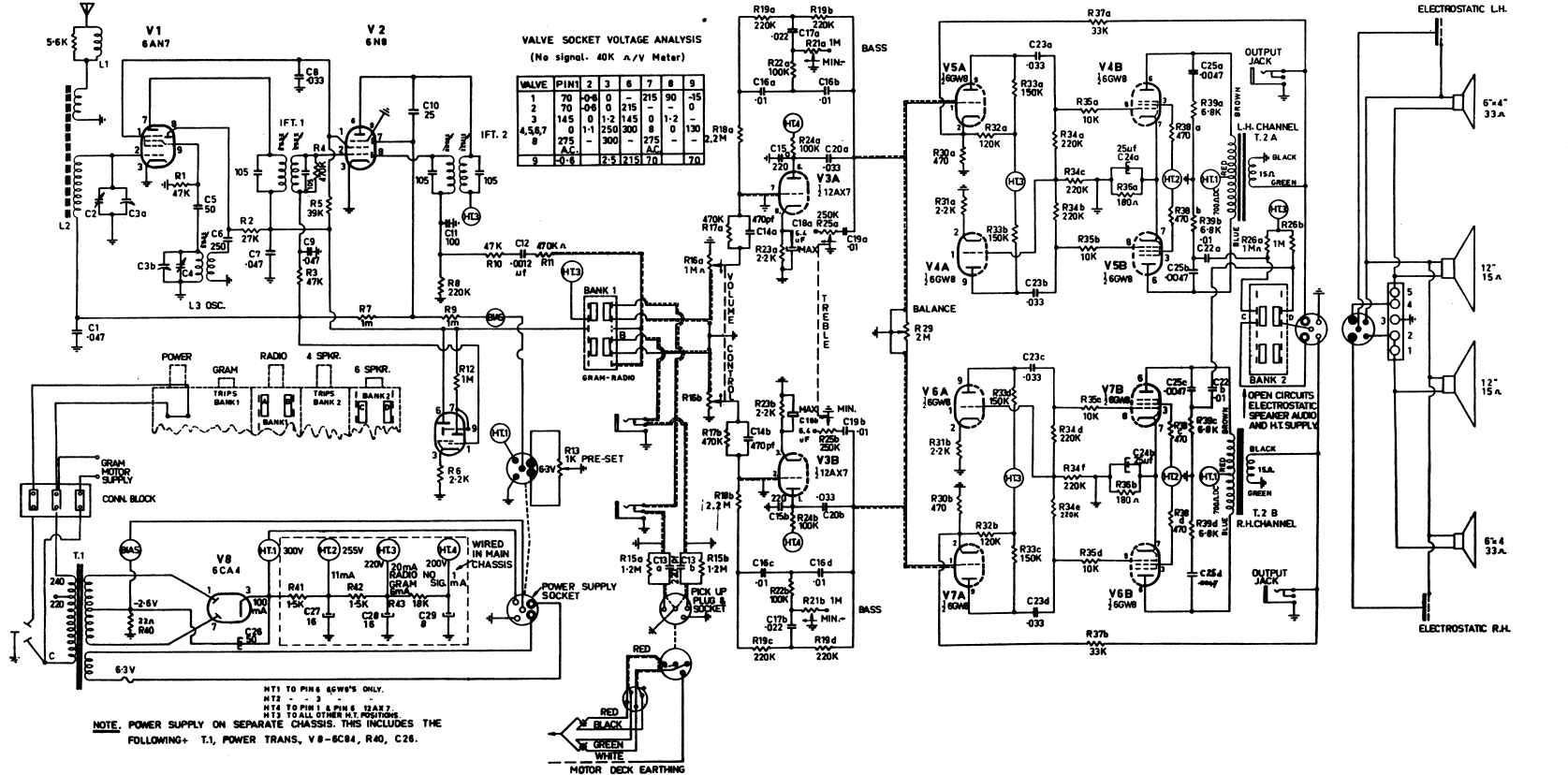
ELECTRICAL PARTS LIST MODEL 11-102 and 11-103

NOTE: All components tolerances are ± 10%, unless inconsequential or otherwise stated. Wattage indicated by I.R.C. type, e.g., BTA = 1 watt carbon, BTS = 1/2 watt carbon, BTB = 2 watt carbon, BTJ = 1/2 w. wirewound, PWS = 5w. wirewound. Components with same circuit number but different suffix letters are described by circuit number only.

Table listing electrical components for models 11-102 and 11-103, including resistors (R1-R45), capacitors (C1-C29), and transformers (T1, T2A, T2B).

Table listing additional components including speakers (SPEAKERS: 12" Magnavox, 6" x 4" Magnavox, etc.), push button caps, and various electronic components like coils and transformers.

Table listing components for the power supply and tuning sections, including capacitors (C1-C9), resistors (R1-R18), and other parts like Ducon mica and Electro. components.



LID-STAY ADJUSTMENT: MODEL 11-103. If the cabinet lid does not open fully, due to insufficient compression in the lid-stay assembly, proceed as follows:— Undo the acorn nut and remove the hinge pin from the bracket on the lid. Turn the plunger shaft anti-clockwise until the extra length so obtained provides the required extra compression (6 turns approximately equals 1/4" of lengthening).

