

HINTS ON THE HANDLING OF THE CARRYGRAM

The lid should not be closed when there is a record on the turntable.

After playing records, it is advisable to set the speed selector to the "Radio" position. Not only does this lift the idler wheel from the motor pulley, but in the event of the receiver being accidentally switched on, some indication would probably be heard from the loudspeaker.

When selecting or changing motor speeds, do so with the set switched on.

The turntable is carefully balanced and runs in precision bearings of very low friction; hence, it may continue to revolve for some time after the unit is switched off but may be stopped by hand.

Observe caution when adjusting the turntable speed with the adjusting screw. Small discrepancies may be readily corrected with this adjustment, but if large discrepancies occur, it would indicate that a fault exists in the unit. Adjust only when the batteries are fresh. Adjust on 33-1/3". "45" and "78" should then be correct. If one or both of these latter speeds is incorrect, then a fault does exist in the unit and should be corrected. Adjustment of "16-2/3" r.p.m. is separate and independent, and is internal.

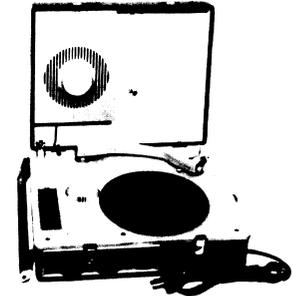
FOR SERVICE DATA ON THE RECORD PLAYING UNIT, REFER TO SERVICE NOTES No. 32.

KRIESLER AUSTRALASIA PTY. LIMITED

DESCRIPTION

Model 21-10 is a 7 transistor, 4 diode portable radiogram which will operate from either internal batteries or from 240 volt A.C. power mains. It is equipped with a four-speed motor (Kriesler Part No. 90-4390). The pick-up arm is fitted with a turnover ceramic cartridge for playing 78 r.p.m. or microgroove recordings. Reproduction is monaural although all sizes of monaural or stereophonic recordings may be played.

Model No. 21-10
Portable Battery/A.C. Radiogram



PICK-UP CARTRIDGE
B.S.R. Type C1 ceramic

REPLACEMENT STYLUS
ST3 Sapphire or ST4 Diamond

STYLUS PRESSURE
8 to 10 grams

AERIAL

Inbuilt ferrite-rod. Extension aerial and earth terminals are provided on the base of the cabinet (aerial terminal identified by red washer). When using an extension aerial, it is recommended that an earth also be used.

TUNING RANGE

525 to 1,635 Kc/s.

INTERMEDIATE FREQUENCY

455 Kc/s.

ALIGNMENT PROCEDURE

See Page 5

BATTERIES

Six 1.5 volt "D" cells. Leakproof batteries are preferred. Manganese Alkaline cells are suggested for longer life.

To replace batteries, remove the battery compartment cover by turning the metal lever to the "Battery Access" position. Pull on the tape to assist removal of the batteries.

DIAL SCALES

Four dial scales are provided to cover all Australian broadcast stations. Units are supplied fitted with the N.S.W. scale. Scales for the other States are packed on the underside of the battery compartment cover. To change scales, refer to the diagram on Page 4.

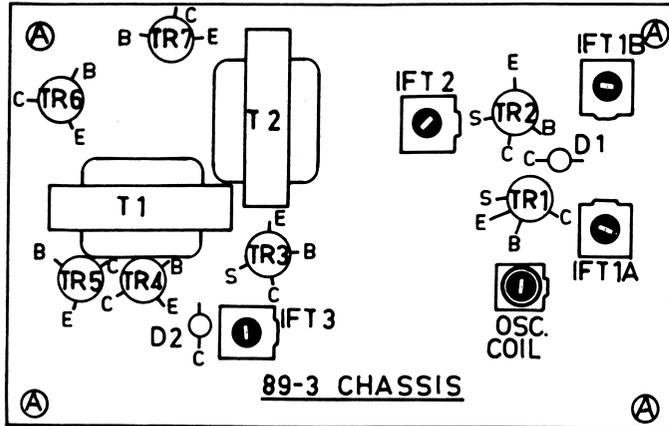
DIMENSIONS

Width (control knob side) 12 1/4"
Breadth 10 1/4"
Height 4 1/4"

NETT WEIGHT

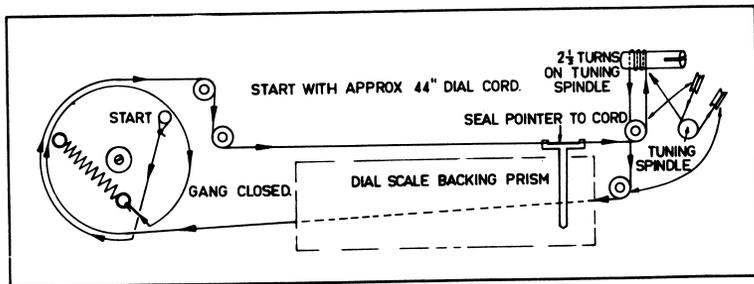
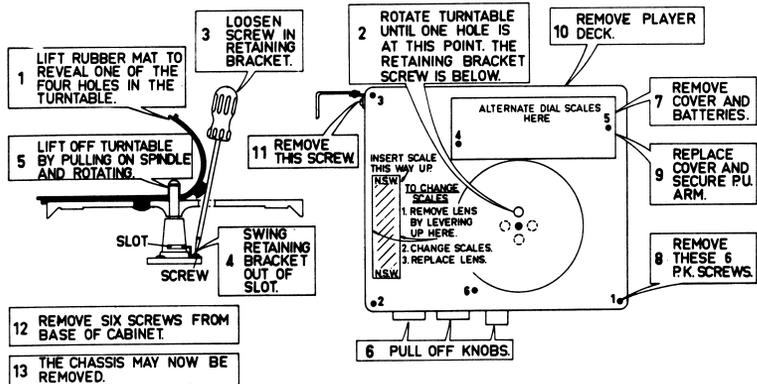
11 lb. 6 ozs.
Including batteries
and power cord

COMPONENT LAYOUT DIAGRAM



89-3 CHASSIS

VIEWED FROM COMPONENT SIDE

TO REMOVE CHASSIS**ALIGNMENT PROCEDURE.**

STEP	SIGNAL GEN. FREQUENCY	CONNECT SIGNAL GENERATOR TO -	WITH TUNING GANG -	PROCEED AS FOLLOWS
1.	455 Kc/s.	Base of TR 1.	Closed	Peak core of IFT 3.
2.	" "	" " "	"	" " " IFT 2.
3.	" "	" " "	"	" " " IFT 1B.
4.	" "	" " "	"	" " " IFT 1A.
5.	" "	Radiated	"	Adjust all I.F.'s for maximum gain.
6.	_____	_____	Closed	Set dial pointer to 'Pointer-set' (P.S.) mark on scale backing prism at low frequency end.
7.	550 Kc/s.	Base of TR 1.	at 550 Kc/s.	Peak Oscillator core.
8.	1.5 Mc/s.	" " "	at 1.5 Mc/s.	Peak Oscillator trimmer.
9.	_____	_____	_____	Repeat until the calibration is correct at both ends of scale and at all intermediate points.
10.	1.5 Mc/s.	Radiate into Aerial	at 1.5 Mc/s.	Peak Aerial trimmer.
11.	550 Kc/s.	Radiate into Aerial	at 550 Kc/s.	Peak Aerial coil by sliding coil along ferrite-rod.
12.	_____	_____	_____	Repeat until no further gain is obtainable.

NOTE Whilst aligning the aerial trimmer, it is a good procedure to 'rock' the tuning gang.

