

TECHNICAL SERVICE INFORMATION

ISSUED BY

KRIESLER AUSTRALASIA PTY. LTD.

43 ALICE ST. NEWTOWN. Phone: LA 0400

Series 'A' Radio Handbook

DESCRIPTION.

Model 41-28 is a seven transistor, two diode, Broadcast Band, battery-operated portable radiogram housed in a vinyl covered plywood cabinet. It is equipped with a B.S.R. Type RP4B record player with a TC8M 'turnover' crystal pick-up cartridge.

MODEL 41-28 TRANSISTOR PORTABLE RADIOGRAM.



NETT WEIGHT.

16½ lbs. plus battery.

BATTERY TYPE.

Eveready Type 739 (9. volt) or equivalent.

BATTERY REPLACEMENT.

Switch off receiver and loosen two captive screws securing the metal plate at the rear of the cabinet. Remove the plate. The battery is now accessible for removal and replacement.

AERIAL.

Inbuilt ferrite-rod with coupling winding for extension Aerial and Earth. The extension Aerial and Earth terminals are on the base of the cabinet (Aerial terminal identified by red washer). Note that to obtain the full advantage of an extension Aerial, an earth should also be connected.

TUNING RANGE.

535-1650 Kc/s.

ALIGNMENT PROCEDURE.

See Page 4.

BATTERY CONSUMPTION.

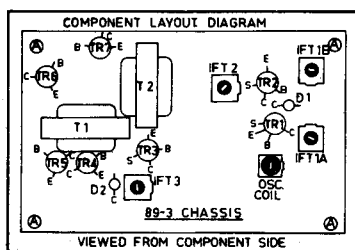
Min. Volume (no signal) ... 17 mA. Radio - 55 mA. Gram.
Max. Volume 250 mA. Radio - 200 mA. Gram.

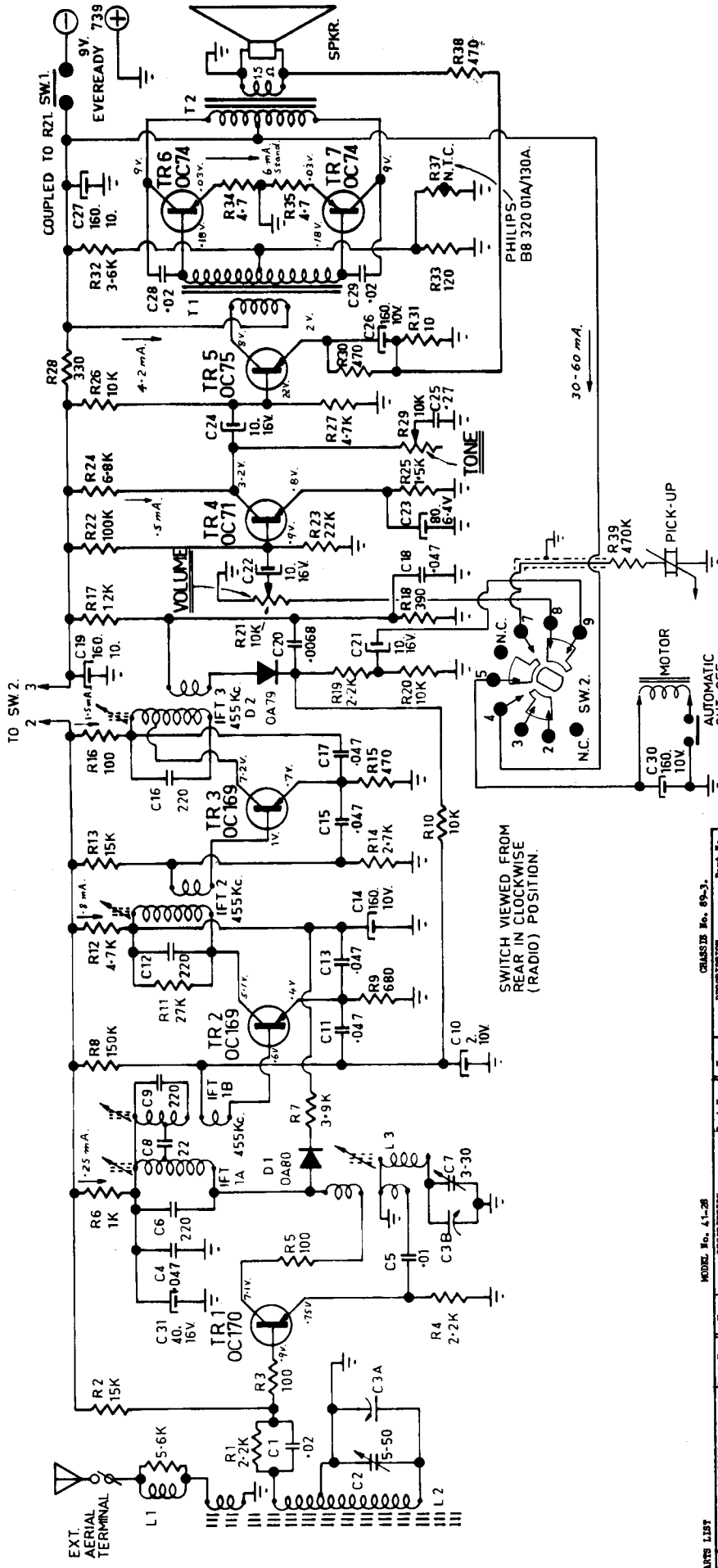
CHASSIS REMOVAL INSTRUCTIONS.

Remove extension Aerial and Earth screws. Remove two screws from rear panel of radio compartment. (Accessible from record player compartment.) Remove front panel and chassis from front of cabinet to the limit of the lead lengths.

RECORD PLAYER REMOVAL.

With stylus in neutral position, pick-up arm secured on its rest and record player secured by transit screws, remove the four screws holding the motor board to the cabinet. The record player may now be lifted out to the limit of the leads.





CHASSIS No. 89-3.

MODEL No. 41-28

CHASSIS No. 89-3.

SWITCH VIEWED FROM REAR IN CLOCKWISE (RADIO) POSITION.

Part No.	DESCRIPTION	Part No.	DESCRIPTION	Part No.	
R1	2.2K	R29	10K	C17	.047
R2	15K	R30	100K	C18	.047
R3	100K	R31	10K	C19	.047
R4	2.2K	R32	100K	C20	.0068
R5	100K	R33	100K	C21	.047
R6	1K	R34	100K	C22	.047
R7	100K	R35	100K	C23	.047
R8	150K	R36	100K	C24	.047
R9	4.7K	R37	100K	C25	.047
R10	10K	R38	100K	C26	.047
R11	27K	R39	100K	C27	.047
R12	4.7K			C28	.047
R13	15K			C29	.047
R14	10K				
R15	2.7K				
R16	100				
R17	12K				
R18	100K				
R19	2.2K				
R20	10K				
R21	10K				
R22	100K				
R23	27K				
R24	6.8K				
R25	10K				
R26	10K				
R27	4.7K				
R28	330				
R29	10K				
R30	100K				
R31	10K				
R32	100K				
R33	120				
R34	4.7K				
R35	4.7K				
R36	100K				
R37	N.T.C.				
R38	470				
R39	470K				
C1	.02				
C2	5-50				
C3	40				
C4	.047				
C5	.01				
C6	220				
C7	3-30				
C8	220				
C9	220				
C10	10V				
C11	.047				
C12	220				
C13	.047				
C14	160				
C15	.047				
C16	220				
C17	.047				
C18	.047				
C19	.047				
C20	.0068				
C21	.047				
C22	.047				
C23	.047				
C24	.047				
C25	.047				
C26	.047				
C27	.047				
C28	.047				
C29	.047				
C30	160				
C31	10V				
C32	10V				
C33	10V				
C34	10V				
C35	10V				
C36	10V				
C37	10V				
C38	10V				
C39	10V				
C40	10V				
C41	10V				
C42	10V				
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C93	10V				
C94	10V				
C95	10V				
C96	10V				
C97	10V				
C98	10V				
C99	10V				
C100	10V				

ALL VOLTAGES MEASURED IN RESPECT TO BATTERY POSITIVE WITH A D.C. 20KΩ/VOLT METER.

CHASSIS No. 89-3.

ORIGINAL		CHANGE		DATE	ISSUED
ISSUE	BY	CHECKED	PROJECT QTY.	PROJECT QTY.	PROJECT QTY.
1	J. J. Jones	J. J. Jones			
		A. MECH.			
		B. ELEC.			
		C. STYLING			
7 TRANSISTOR PORTABLE RADIOGRAM MODEL 41-28					
Before production is commenced 2 samples must be submitted to Drawing Office for approval.					
This Drawing must be referred to KRIESLER AUSTRALASIA PTY. LTD. 43 ALICE STREET, NEWTOWN.					
SCALE					

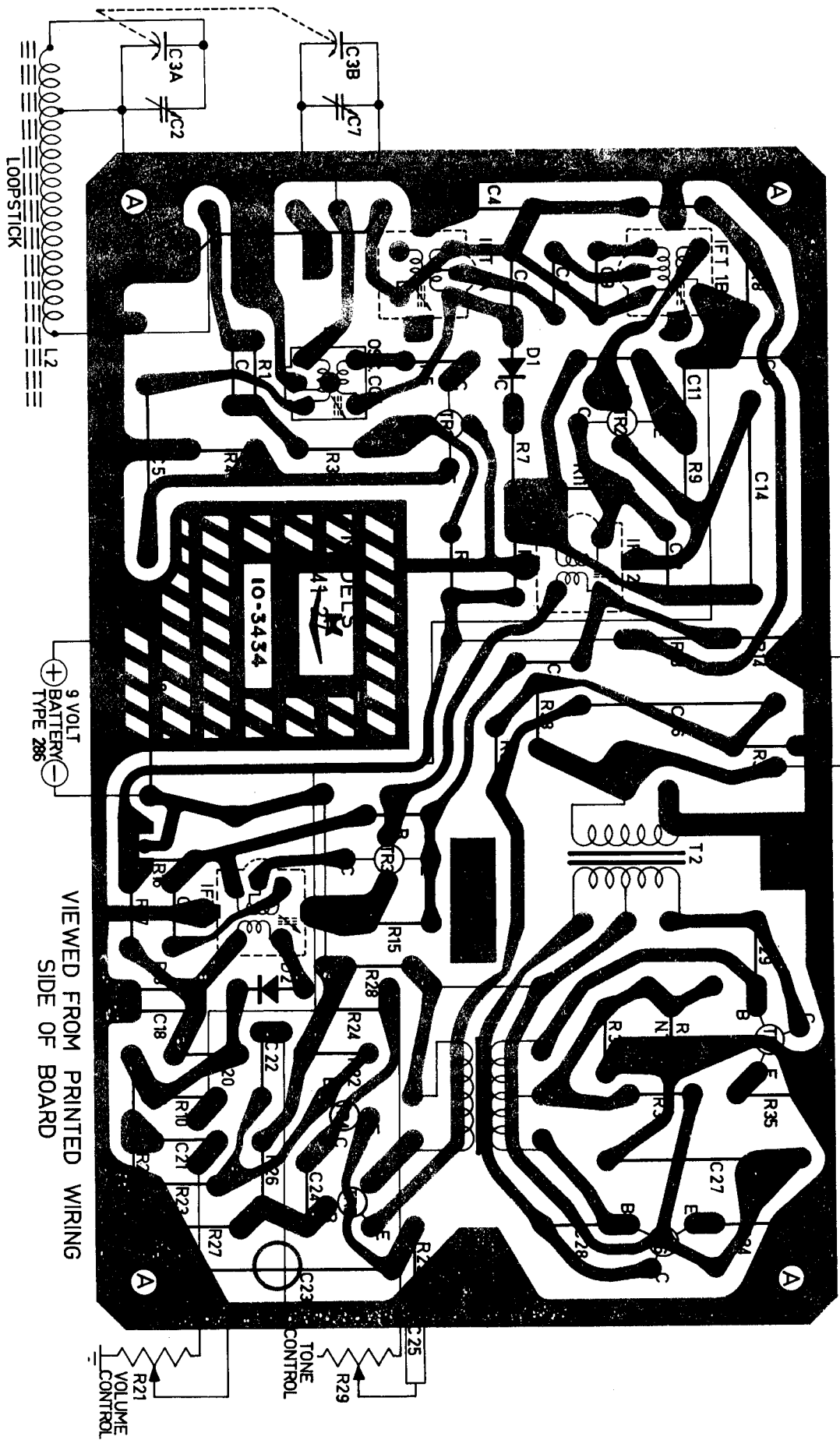
Wort to Dimensions only. Unless otherwise specified, Tolerances to be read as: ± 1/64" on Fractions, ± .005" on Decimals.

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 IFT 3.
2.	" "	" " "	"	" " IFT 2.
3.	" "	" " "	"	" " IFT 1B.
4.	" "	" " "	"	" " IFT 1A.
5.	-----	-----	-----	Repeat until no further gain is obtainable.
6.	-----	-----	Closed	Set dial pointer to 'pointer-set' (P.S.) mark on scale at L.F. end.
7.	550 Kc/s.	Base of TR 1.	at 550Kc/s.	Peak Oscillator core.
8.	1.5 Mc/s.	" " "	at 1.5Mc/s.	Peak Oscillator trimmer.
9.	-----	-----	-----	Repeat until the calibration is correct at both ends of scale and at intermediate points.
10.	1.5 Mc/s.	Radiate into Aerial	at 1.5Mc/s.	Peak Aerial trimmer.
11.	550 Kc/s.	Radiate into Aerial	at 550Kc/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.

COMPONENT LAYOUT DIAGRAM



VIEWED FROM PRINTED WIRING
SIDE OF BOARD