KRIESLER
AUSTRALASIA PTY. LIMITED

TECHNICAL ADVISORY SERVICE
SERVICE SHEET NO. 104

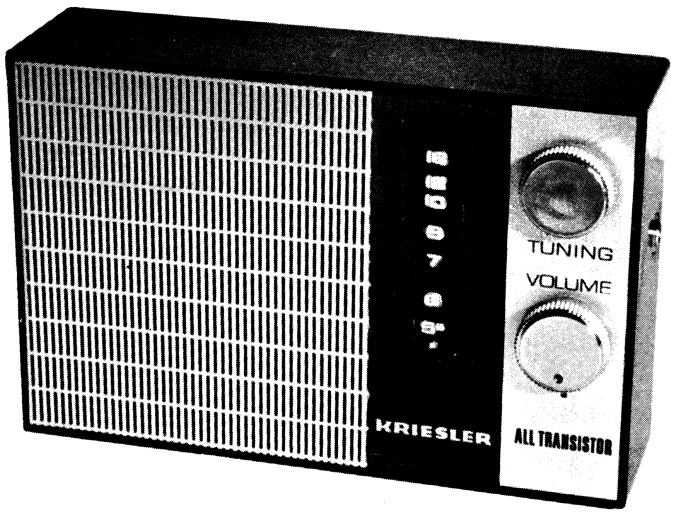
BOX 107 P.O.CARINGBAH N.S.W. 524-0444

PLEASE CIRCULATE TO YOUR SERVICE DEPARTMENT

DESCRIPTION

Model 41-50 is a 6 transistor portable receiver designed for Broadcast Band reception from 525 to 1635 Kc/s. It is housed in a moulded ABS plastic cabinet.

A socket is provided for the connection of an earpiece.



41-50

AERIAL

The receiver is fitted with an in-built ferrite-rod aerial.

EARPIECE

A dynamic earpiece of 7 to 15 ohms impedance may be plugged into the socket on the side of the cabinet between the two control knobs.

BATTERIES

Four 1.5 volt, size "AA" cells, Eveready 1015, or equivalent, (Manganese Alkaline cells may be used for longer life). For battery access, remove the screw securing the back with a screwdriver, lift out plastic battery cartridge. Observe polarity as marked when replacing batteries.

CHASSIS ACCESS AND REMOVAL

For access undo cabinet back (see above). Remove control knobs. Remove the batteries, remove four No. 4 self-tapping screws located on the corners of the printed panel. The chassis, including speaker may now be removed by pulling, with discretionary force, the battery leads on the left hand side and the pigtail of either 2.7Ω resistor on the right hand side.

CHASSIS REFITTING

Reverse the above procedure.

NOTE: Ensure that rim of speaker locates in shallow recess in moulding to allow printed panel to sit squarely on screw-hole pillars.

DIMENSIONS

Length 5", Width 3 5/16", Depth 1 1/16" (plus knobs). Weight, 13.5 oz.

I.F.T. COLOUR CODE

IFT	A	B	C	D
1 —	BROWN	YELLOW	BLACK	BLACK
2 —	BROWN	ORANGE	BLACK	BLACK
3 —	BROWN	GREEN	BLACK	BLACK

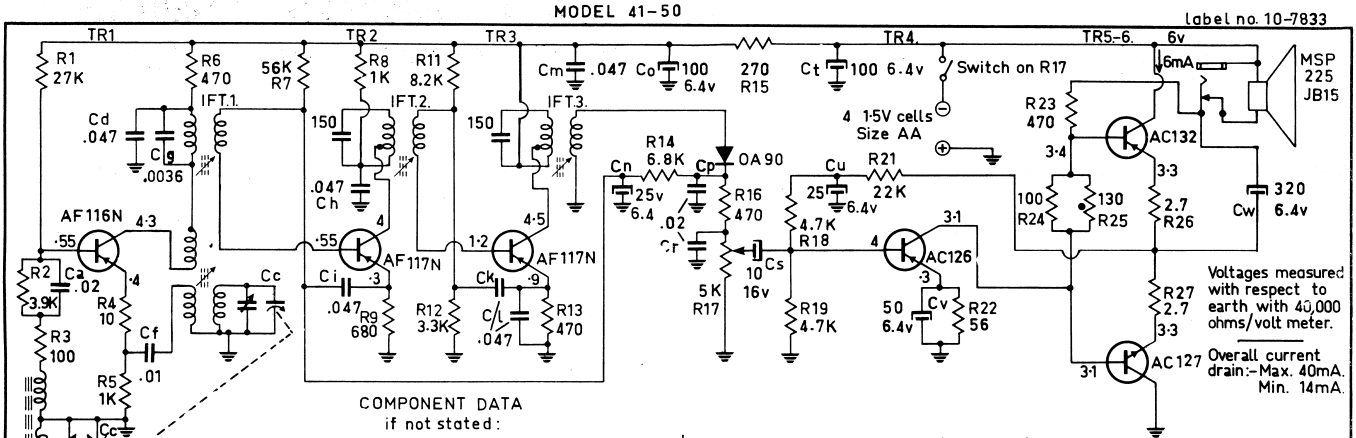
ALIGNMENT PROCEDURE

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.	455 Kc/s	**IMPORTANT** Connect generator earth to emitter of TR 1	Closed	Peak core of IFT 2
3.	455 Kc/s		Closed	Peak core of IFT 1
4.	——		——	Repeat until no further gain is obtainable.
5.	455 Kc/s	Radiate into Aerial	Closed	Check alignment of IFT 1.
6.	525 Kc/s	Radiate into Aerial	Closed	Adjust oscillator coil until signal is heard.
7.	1635 Kc/s	Radiate into Aerial	Open	Tune oscillator trimmer until signal is heard.
8.	600 Kc/s	Radiate into Aerial	at 600 Kc/s	Peak aerial coil.
9.	1500 Kc/s	Radiate into Aerial	at 1500 Kc/s	Peak aerial trimmer.
10.	Repeat 8 and 9 until no further gain is obtainable.			

NOTE: Inject 455 Kc/s signal to base of TR 1 via a 0.22 uF capacitor.

MODEL 41-50

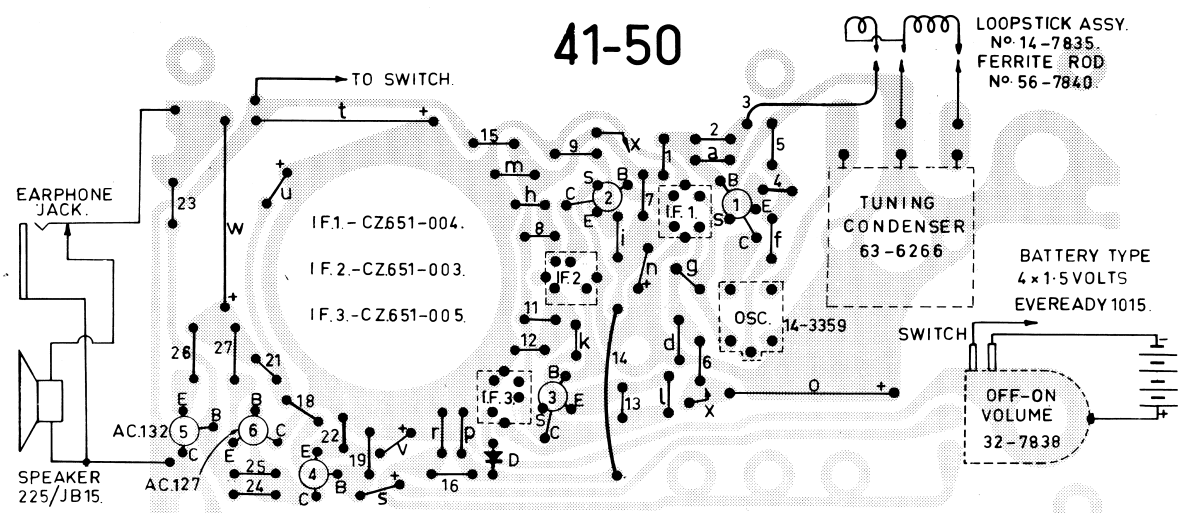
Label no. 10-7833



COMPONENT DATA
if not stated:
electrolics in uFD. Remainder, if less than one, in uFD; greater than one, in pFD. Cg is a 50v styroseal. Cc is Part No. 63-6266. Remainder of lettered capacitors are red-cap 25vw ceramics.

R values in ohms (K = ×1000).
R25 is Ducon type A/T 10%
R26 & R27 are type BW½
R23, R24, 5% types
R17 is Part Nº 32-7838.
Remainder are type BTS.

LOOP STICK PART Nº 14-7835. FERRITE ROD, 56-7840. OSC'R COIL ASS'Y, Nº 14-3359. EARPHONE JACK 90-4863.
CABINET ASSY. 90-7830. TUNING KNOB 20-7812. VOLUME KNOB 20-7813. BACK RETAINING SCREW 26-7818.
CARRYING BAG 90-7831. DIAL DRUM 20-7814. BATTERY CONNECT 1006P. DIAL CORD SPRING 16-7805 BATTERY CASE S.122
IFT.1. CZ651-004 IFT.2. CZ651-003 IFT.3. CZ651-005 EARPHONE 7-15 ohms (3·5mm plug) BATTERY TYPE – EVEREADY 1015 OR EQUIVALENT.



NUMERALS REPRESENT RESISTORS ; LOWER CASE LETTERS REPRESENT CAPACITORS AS SHOWN IN CIRCUIT DIAGRAM