

# K23 Kriesler 41-54

## DESCRIPTION

Model 41.54 is a 6 transistor portable receiver designed for Broadcast Band reception from 525 to 1635 KHz. It is housed in a polypropylene cabinet. The back is hinged at each end, the small section covering the battery compartment, the large section enclosing the printed board and components.

## AERIAL

The receiver is fitted with an in-built ferrite-rod aerial, 4½" x ¾". Loopstick Assy. Part No. 14-8460.

## SPEAKER

Type 225 JB/27 ohms.

## BATTERIES

One 9V Eveready 216 or equivalent, (Manganese Alkaline cells may be used for longer life). For battery access hold the receiver so that the speaker grille is in the centre of the hand and, with the ball of the thumb and second finger of the other hand, press in the sides of the hinged section and pull the hinged flap open. Observe polarity as marked when replacing batteries.

## CHASSIS ACCESS AND REMOVAL

Open the battery section, release the plastic feet of the main section by inserting a screwdriver blade between foot and housing and twist blade. The chassis may be inverted by removing five visible self-evident screws.

## DIMENSIONS

Length 6¼", Width 3¾", Depth 1¾" (plus knobs). Weight 11.5 oz.

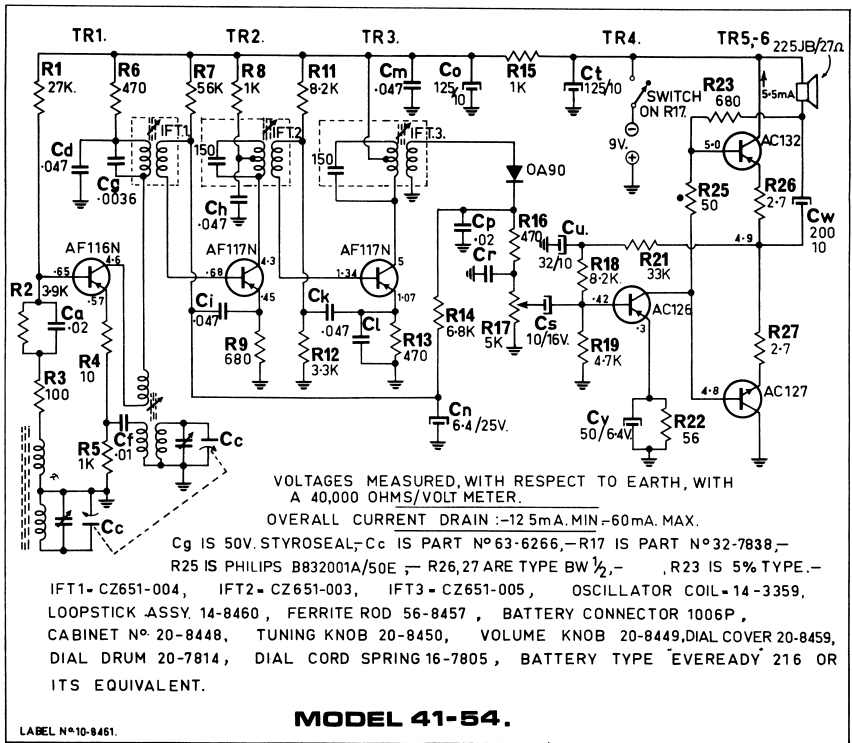
## ALIGNMENT PROCEDURE

Step	Signal Gen. Frequency	Connect Signal Generator to—	With Tuning Gang—	Proceed as follows
1	455 KHz	Base of TR 1	Closed	Peak core of IFT 3
2	455 KHz	IMPORTANT	Closed	Peak core of IFT 2
3	455 KHz	Connect generator earth to emitter of TR 1	Closed	Peak core of IFT 1
4	—	—	—	Repeat until no further gain is obtainable.
5	455 KHz	Radiate into Aerial	Closed	Check alignment of IFT 1
6	525 KHz	Radiate into Aerial	Closed	Adjust oscillator coil until signal is heard.
7	1635 KHz	Radiate into Aerial	Open	Tune oscillator trimmer until signal is heard.
8	600 KHz	Radiate into Aerial	at 600 KHz	Peak aerial coil.
9	1500 KHz	Radiate into Aerial	at 1500 KHz	Peak aerial trimmer
10	Repeat 8 and 9 until no further gain is obtainable.			

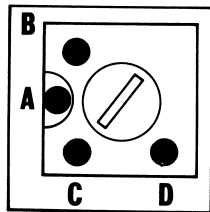
NOTE: Inject 455 KHz signal to base of TR 1 viz a 0.22 uF capacitor.



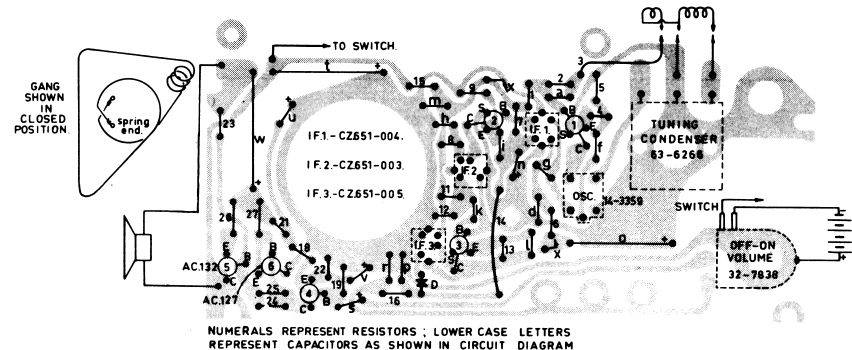
41-54



## 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



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