

SIX transistor portable radios, released April, 1961 at 15gns.

Batteries. Ever Ready PP7, Drydex DT7, Vidor T6007.

Consumption. 14mA (Mullard transistors), 12mA (Newmarket transistors) both under no-signal conditions.

Wavebands. LW, 1180-2060m; MW, 183-555m.

Transistors. Mullard: OC44, OC45 (2), OC81D, OC81 (2); or Newmarket: NKT152, NKT153/35, NKT154/35, NKT254, NKT251 (2).

Diode. Mullard OC81 or Newmarket
NKT251.

IF. 470kc/s.

Speaker. 5in. round, 3ohms.

Aerial. Internal ferrite rod, with socket for external aerial.

Manufacturers. Ekco Radio and Television Ltd., and Ferranti Radio and Television, Ltd.

Service Department. Radio and Television Services, Ltd., P.O. Box 11, Cambridge.

DISMANTLING

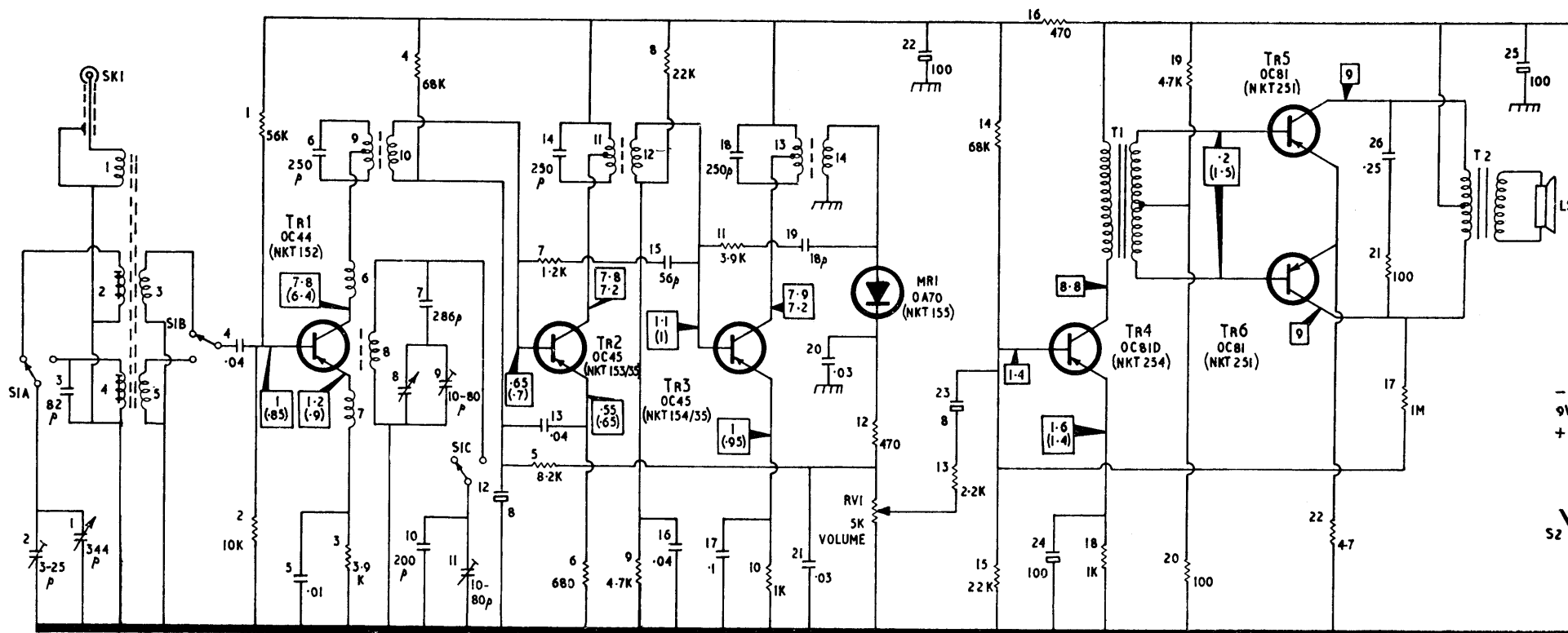
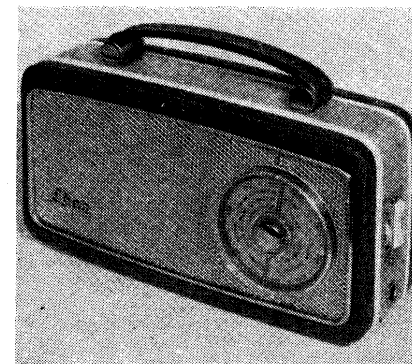
Chassis removal. Release two coin-slotted captive screws at back, disengage lower clip and remove cover. Take off side escutcheon, secured by two wood screws, and when replacing escutcheon ensure that switch slider slot is in line with switch arm before pressing home. Remove tuning knobs; these are held

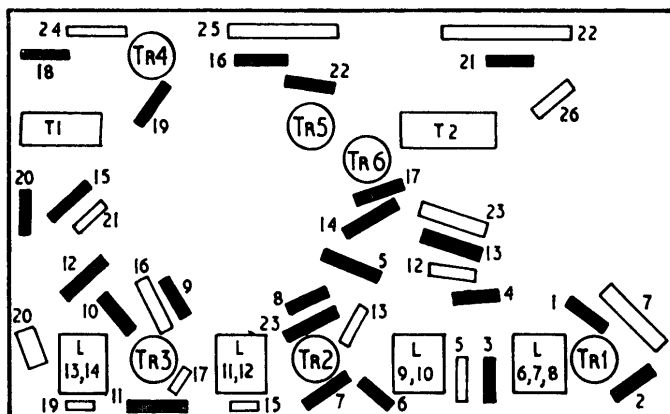
by a special central screw which should be released with fine nose pliers or tweezers. Remove screw thus exposed. Finally, remove screw in cable clamp on rear of printed panel and lift out panel to extent of speaker leads.

Battery replacement. Remove back cover for access to battery. Battery is secured by a sponge pad when rear cover is replaced.

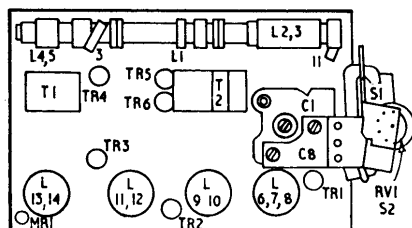
SERVICE NOTES

Voltages. Two readings are given on circuit at each electrode; the first is for models using Mullard transistors, the figure in brackets applies to Newmarket transistors. Conditions for measurement are: 20K-per-voltmeter, receiver tuned to a quiet point near 450m., and volume control turned to minimum.





WINDING RESISTANCES		ohms
L2	1.4
L4	11.2
T1 (prim)	153.0
T1 (each sec)	37.0
T2 (prim) (each half)	3.6
All others less	than	
1 ohm.		



On either group of models an additional resistor, R23, 8.2K, may be fitted across L11 when overall gain is excessive and gives a tendency to instability.

ALIGNMENT

Setting up. Remove chassis from cabinet, set volume control to maximum and connect output meter across speaker. Switch to MW and tune receiver to a quiet spot near 450m.

Where it is not possible to inject signal via a search coil, the coaxial aerial socket may be used, though this may introduce an error at the HF end of the MW band.

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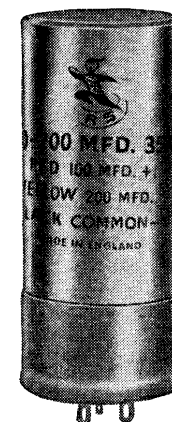
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