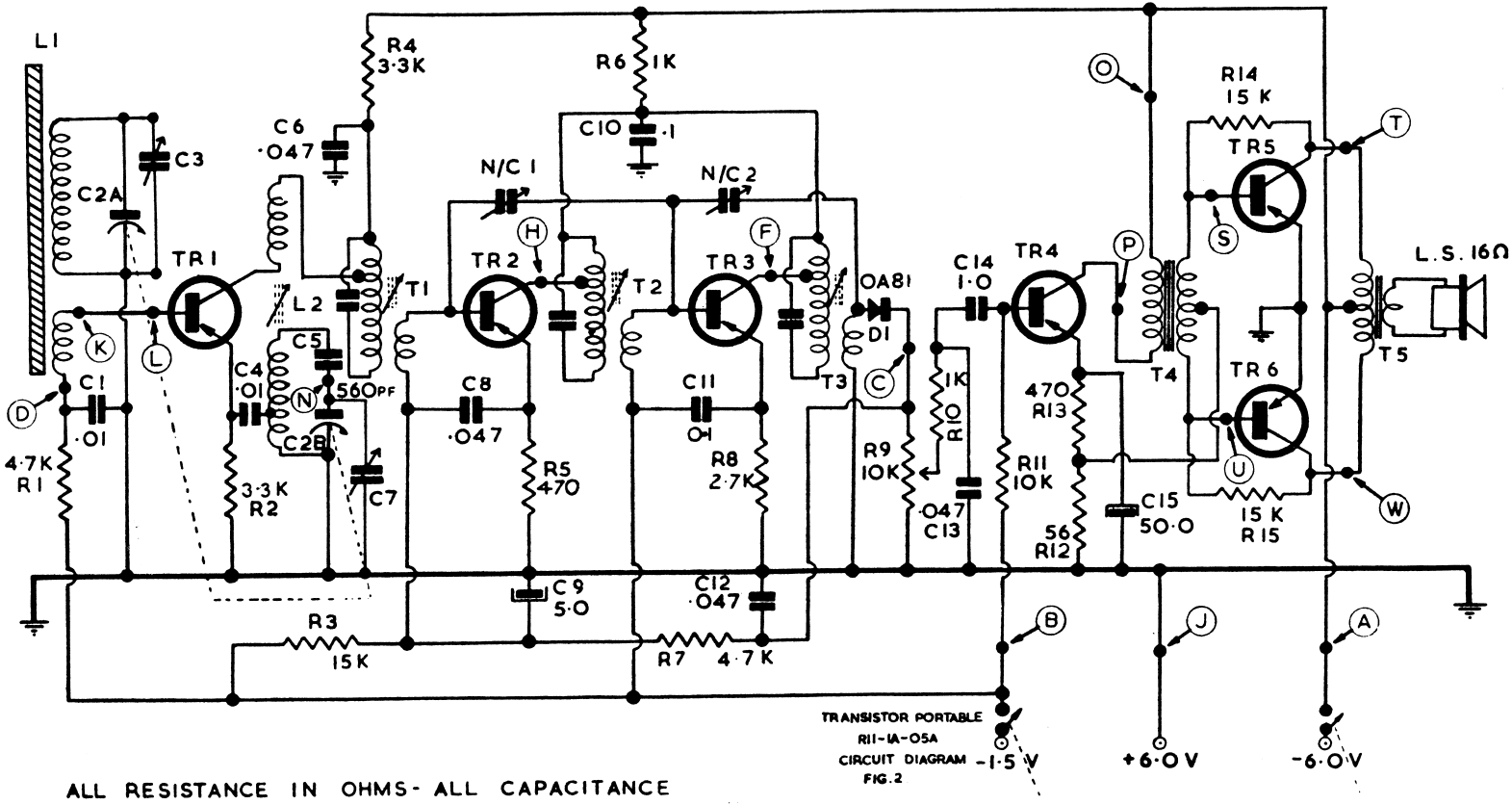
"SKYROCKET"

CHASSIS MODEL No. R11-IA



ALL RESISTANCE IN OHMS - ALL CAPACITANCE IN MICROFARADS -- UNLESS STATED.

Description

6 Transistor, battery operated superheterodyne portable receiver.

R11-1A

Electrical Specifications

Tuning Range	1650 to 535 Kc/s.
Intermediate Frequency	455 Kc/s
Supply Voltage	6 volts D.C.—Four No. 950 Eveready batteries or similar.
Transistor Complement	V6R4/M Mixer Oscillator. V6R4 1st I.F. Amplifier. V6R4 2nd I.F. Amplifier. V10/50B A.F. Driver. 2 x OC72—Class "B" Push-Pull Output. OA81 —Detector Diode.
Loudspeaker	M.S.P. —4PU16.
Cabinet Styling	O5A

REMOVAL OF THE PRINTED BOARD

1. Remove the retaining screw from the rear of the cabinet and press the back section downwards and outwards.
2. Unsolder the speaker leads.
3. Unsolder the two battery leads connected to the switch.
4. Unplug the other battery lead from the board.
5. Remove the three mounting screws and the back support pillar.
6. Remove the tuning dial by gently pulling it away from the cabinet while rotating it in an anti-clockwise direction.
   The dial is retained by a circlip.
   Replace the dial by rotating it in a clockwise direction until it is firmly in position and the scale arrow lies directly under the top station indicator.

CIRCUIT ANALYSIS

Code	Transistor Function	Type	E_c	E_b	E_e
TR1	Mixer Oscillator	V6R4/M	—4.65	—1.5	—1.45
TR2	1st I.F. Amplifier	V6R4	—5.0	—0.43	—0.30
TR3	2nd I.F. Amplifier	V6R4	—5.0	—1.52	—1.40
TR4	A.F. Driver	V10/50B	—5.2	—1.35	—1.20
TR5	P.P. Output	OC72	—6.0	—0.2	0
TR6	P.P. Output	OC72	—6.0	—0.2	0

Battery consumption with no signal input.
All voltages read with a Vacuum Tube Voltmeter.