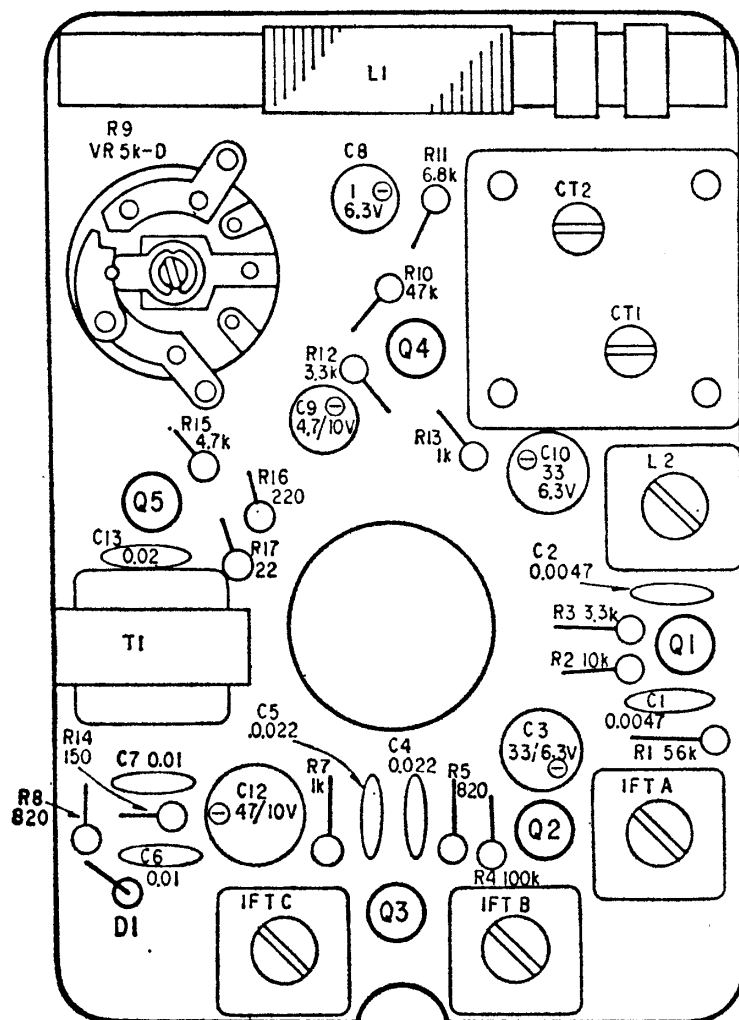


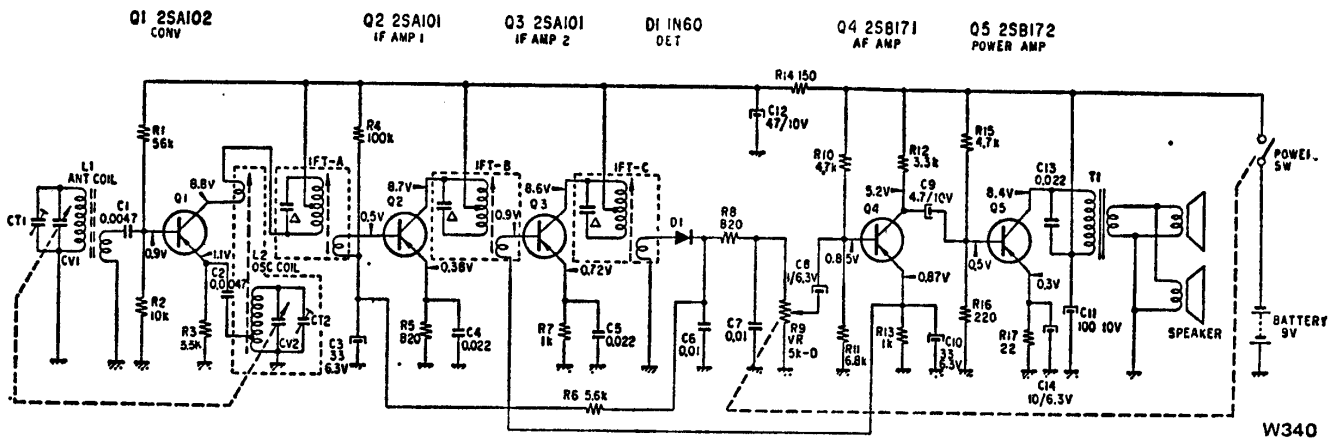
General Description: The MA5003 consists of a pair of headphones, one earpiece of which incorporates a radio receiver and the other earpiece contains the battery. The radio receiver is provided with a built-in ferrite rod aerial and is designed to cover the medium waveband. It has two controls, a combined on/off/volume control and a tuning control. The battery fitted is an Ever Ready type PP3 or equivalent.



W339

(W339) COMPONENT LAYOUT—MODEL MA5003

RADIO SERVICING



(W340) CIRCUIT DIAGRAM—MODEL MA5003

Alignment: Equipment required: An A.M. signal generator to cover 450–1,650kHz (mod. 1,000Hz, 30 per cent); output meter; coupling loop.

Step	Sig. gen. frequency	Step	Sig. gen. frequency
1	455 kHz	5	600kHz
2	525 kHz	6	1,400kHz
3	1,650kHz	7	Repeat steps 5 and 6
4	Repeat steps 2 and 3		

Connect the output meter across the speech coil and inject the signal using the coupling loop. During alignment, reduce the input to the lowest level that will maintain a readable output.

<i>Tuning capacitor position</i>	<i>Adjust for max. output</i>
Anti-clockwise as above	T ₁ , 2, 3
Clockwise	L ₂ CT-2
600kHz (Control setting 6)	L ₁
1,400kHz (Control setting 14)	CT-1