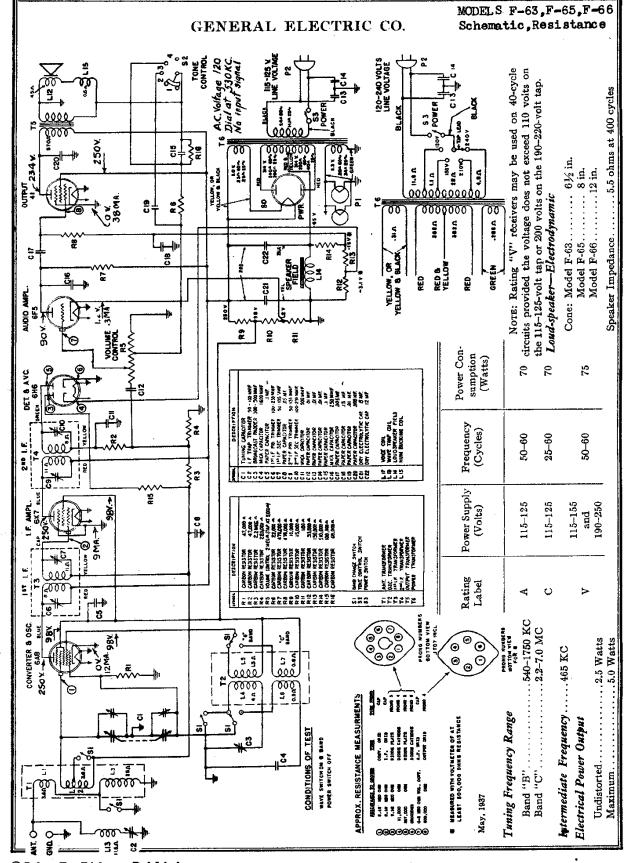
		General Electric Co.	
	Model: F65	Chassis:	Year: Pre October 1937
	Power:	Circuit:	IF:
	Tubes:	•	<u> </u>
	Bands:		
		Resources	
Riders Volume 8 - 0	GE 8-27		
Riders Volume 8 - 0	GE 8-28		



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I. F. ALIGNMENT WITH OSCILLOSCOPE

MODELS F-63,F-65,F-66 Socket, Trimmers, Chassis GENERAL ELECTRIC CO. Alignment

Band Switch Setting	Prop.	Point of Input	Dummy	Trimmer	Comments
I. Band "B"	465 K.C. Sweep	I.P. Grid	.05 Mfd. or Larger	2nd I.F. Sec. (C-10) 2nd I.F. Pri. (C-9)	Gang condenser plates wide open—connect audio input for exiliographe to ground and for the junction of R-3 and of the standards of the condenser—thinners in
2. Band "B"	465 K.C. Sweep	Converter	.05 Mfd. or Larger	1st I.F. Sec. (C-7) 1st I.F. Pri. (C-6)	for an universe of management of the contract of maximum amplitude.
3. Band "B"	466 K.C. Sweep	Antenna Post	250 Mmf. 400 ohms	Wave Trap Trimmer (C-2)	Adjust trimmer for minimum amplitude.
			I. P. ALIGNA	I. P. ALIGNMENT WITH OUTPUT METER	TPUT MRTER
I, Band "B"	465 K.C. with Modu- lation	I.F. Grid	.05 Mfd. or Larger	2nd I.F. Sec. (C-10) 2nd I.F. Pri. (C-9)	Gang condenser plates wide open—connect output meter across voice coil—keep input agans low and volume conscious
2. Band "B"	465 K.C. with Modu- lation	Converter Grid	.05 Mfd. or Larger	1st I.F. Sec. (C-7) 1st I.F. Pri. (C-8)	itrol on as far as possible. Adjust sil trimmers lo maximum output
3. Band "B"	465 K.C. Ante with Modu- Post lation	Antenna Post	250 Mmf. 400 ohms	Wave Trap Trimmer (C-2)	Adjust trimmer for minimum output.
				R. F. ALIGNMENT	IN
1. Band "B"					Close gang plates—Adjust pointer to first line at left end of tuning scale.
2 Band "C"		No adjustments necessary	ry.		
3, Band "B"		Antenna Post	250 Mmf. 400 ohms	Osc. trimmer (Front sect. of gang cond.) Ant. trimmer (Rear sect. of gang cond.)	Connect output meter across voice coll-time control on "bass" position—peak trimmers for manimum output with a low input itimal.
4. Band "B"	580 K.C. Ante with Modu- Post lation	Antenna Post	250 Mmf. 400 ohms	Osc. padder (C-3)	Adjust padder for a maximum output meter indication in vicinity of 580 K.C. while recking the gang condenser.
		N - 1			

ahorted out by a contact of S-1 when the set is operating on the "C" band. ating in the "C" band, L8 and a part of L2 are shorted out by the wave change switch, L4-L6 and L8-L7 are the "B" and "C" band oscillator coils respectively and are wound on the same coil form. The "B" band oscillator grid coil is L1, L2 and L3 are the components of the "B"

The intermediate frequency amplifier consists of a 6K7 tube and two transformers, both of which have tuned primaries and secondaries. The output of this amplifier is applied to one plate of the 6H6 diode which is a combined detector, initial bias and automatic volume control tube. Volume is controlled by the variable potentiometer R-5

the use of a tapped bleeder circuit across the speaker field L1st. One of the cathodose of the RB diode is returned to—3.1 votes on this bleeder circuit in order to provide initial hiss to all the tubes controlled by the A.V.C. in the grid circuit of the 6F6 1st audio amplifier tube. The output of the 6F5 tube is resistance coupled to the grid of the type 41 payer amplifier pentode. The plate circuit of the 41 tube is suitably matched to the loud-speaker by means of a Proper bias voltages for the various tubes are obtained by step-down output transformer.

When the tone control switch is in the "normal" position, a portion of the output voltage of the receiver is fed back

low frequency notes occurs, thereby increasing the bass response. The "foreign" position of the switch shorts out C-15 and R-16 and places C-19 and R-6 in parallel which gives a generation improves the requency characteristic and reduces distortion. In the "bass" position, the tone control switch connects C-19 in parallel with the above network. The value R-16 and R-6 to a tap on the volume control. This feed back roltage is out of phase with the input and the resulting deof C-19 is such that more degeneration of the high than the the "speech" position, C-15 and R-16 are shorted out, C-19 s removed from the circuit, leaving R.S. thereby providin able condition for the reception of programs predomination lat degeneration at all frequencies which is the most desi frequency response best suited for short-wave reception. on the schematic diagram shown in Fig.

## Oscillator and Converter....6K? Triple-grid Super-co

Audio Power Amplifier First Audio Amplifier

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80 POWER RECT POWER TRANS. 4.1 OUTPUT \$ 000 E Fig. 2. Chassis Parts Layout C 22 C 22 080 200 465 KG.