

GENERAL ELECTRIC

Models T115 and T116

TO REMOVE CHASSIS FROM CABINET

1. Remove the cabinet back by unscrewing the 5 screws.
2. Pull off the three knobs.
3. Remove tone control from bracket.
4. Unsolder the 2 leads which connect the speaker to the chassis.
5. Remove cabinet front by unscrewing the 2 screws on the bottom rail; also the screws on the tone control and volume control brackets.

TO REMOVE SPEAKERS

1. Remove grille by unscrewing the 4 corner screws on the inside of the cabinet front.
2. Remove the speakers by removing the screws on the front of the speaker.

Label the speaker leads before unsoldering them from the speakers; incorrectly connecting the leads will cause distorted audio.

NOTE: The radio-phono switch on the rear of the cabinet should be in the "radio" position before starting alignment procedures.

Always have Volume Control set for maximum, and reduce signal input so AVC will not affect output.

SPECIFICATIONS

CABINET:	T115, Brown; T116, Ivory	
ELECTRICAL RATING:	Voltage 105-120 volts AC or DC, 30 Watts	
POWER OUTPUT:	Undistorted	.75 Watts
	Maximum	1.25 Watts
SPEAKERS:	(2) 6 1/2" and 4"; 3.2 ohms @ 400 cps.	
TUBE COMPLEMENT:	V1	R. F. Amplifier 12BA6
	V2	Oscillator-Converter 12BE6
	V3	I. F. Amplifier 12BA6
	V4	Det. & Audio amplifier 12AV6
	V5	Power Output 35C5
	V6	Rectifier 35W4

ALIGNMENT CHART

Step	Connect Test Oscillator To	Test Oscillator Setting	Receiver Tuning	Adjust for Maximum Output
1	12BA6, V3 grid (pin 1) in series with .05 mf.	455 KC	Minimum capacity	Cores of 2nd i-f transformer T4
2	12BE6, V2 grid (pin 7) in series with .05 mf.			Cores of 1st i-f transformer, T3
3				Recheck adjustment of T4 and T3
4	Inductively coupled to radio loop, L1	1620 KC	Minimum capacity	CLD, oscillator trimmer
5		1500 KC	For Maximum Signal	CLF, r-f trimmer
6				CLB, antenna trimmer
7		Approximately 600 KC	Rock in with core of T1	Core of r-f transformer, T1. Rock in with re-receiver tuning.
8	Repeat steps 4, 5, 6 and 7.			

