



HIGH-FREQUENCY COMMUNICATIONS TRANSMITTER

TYPE ET-4336-B
MI-8167-C MI-8167-E

AND

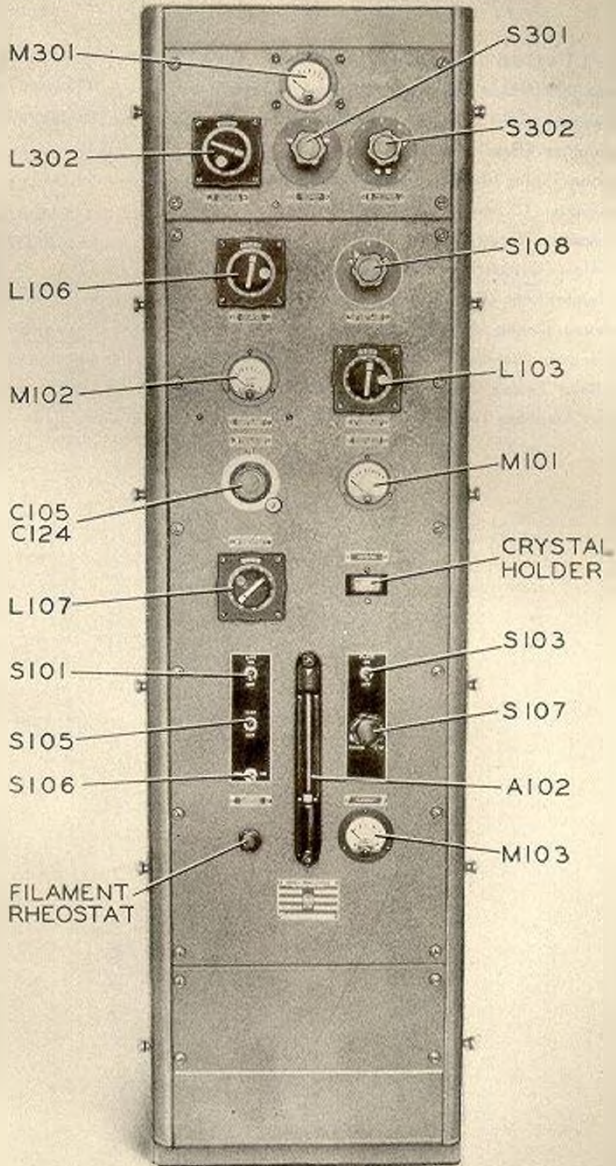
SPEECH AMPLIFIER

MI-11220 MI-11220-B
MI-11220-A MI-11220-C

INSTRUCTIONS



Manufactured by
RCA VICTOR DIVISION
OF
RADIO CORPORATION OF AMERICA
Camden, N. J., U. S. A.



TECHNICAL SUMMARY

ELECTRICAL CHARACTERISTICS—

Frequency Range.....	2000 to 20,000 kc
Power Output	
Telegraph	350 watts
Telephone	250 watts
Type of Modulation.....	Class B, high level
Audio-Input Impedance	500 ohms
Audio-Input Level for 100 Per Cent Modulation.....	+39 vu
Power Supply Requirements.....	190 to 250 volts, 1 phase, 50-60 cycles
Power Consumption	
Telegraph	1.65 kw
Telephone, 100 Per Cent Modulation.....	1.82 kw

TUBE COMPLEMENT—

Transmitter	
Oscillator	1 RCA-807
Power Amplifier	2 RCA-813
Modulator	2 RCA-805
Rectifier	4 RCA-866-A/866

MECHANICAL SPECIFICATIONS—

Dimensions	
Height	*57 $\frac{3}{8}$ inches
Width	17 $\frac{1}{4}$ inches
Depth	24 $\frac{3}{8}$ inches
Weight (net)	550 pounds

*In the case of MI-8167-E, add approximately 1 inch to height for channel mounting.

APPROXIMATE
DIAL SETTINGS
CONTROL 'E'

TYPICAL CALIBRATION CURVES
POWER AMPLIFIER TUNING

FREQUENCY MEGACYCLES

20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

CONTROL 'D'
BAND SETTINGS

3

2

1

33

200

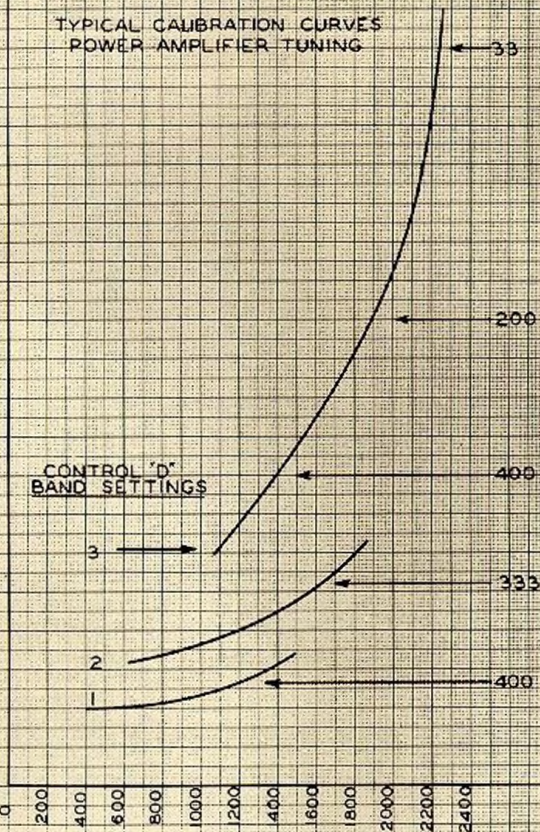
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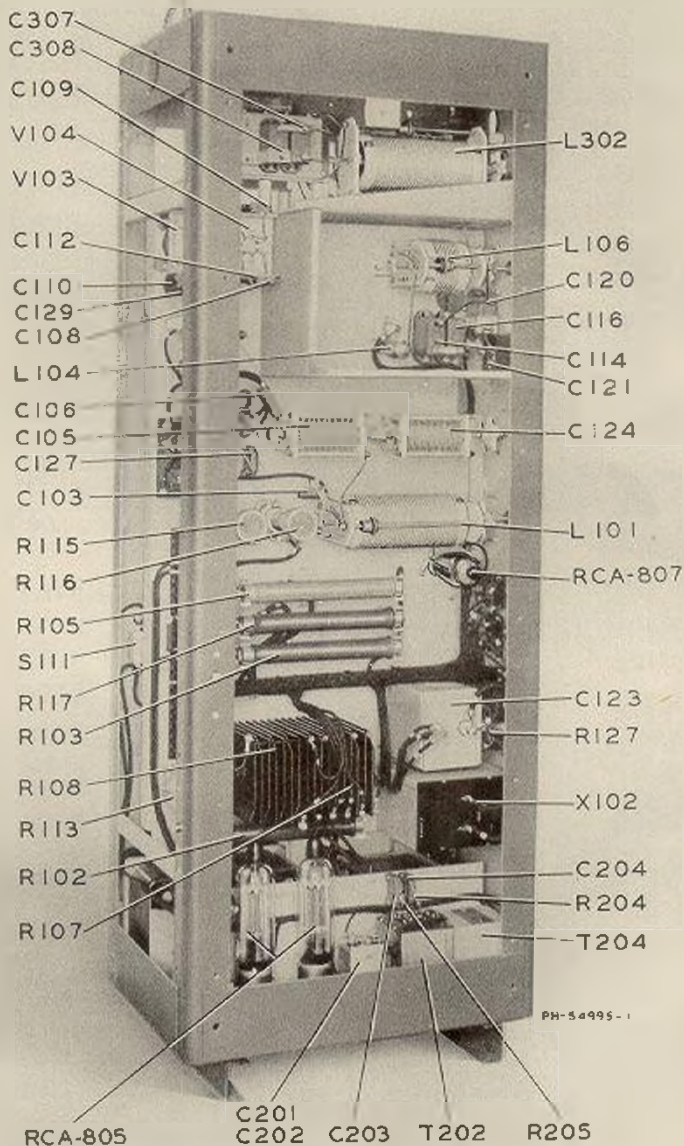
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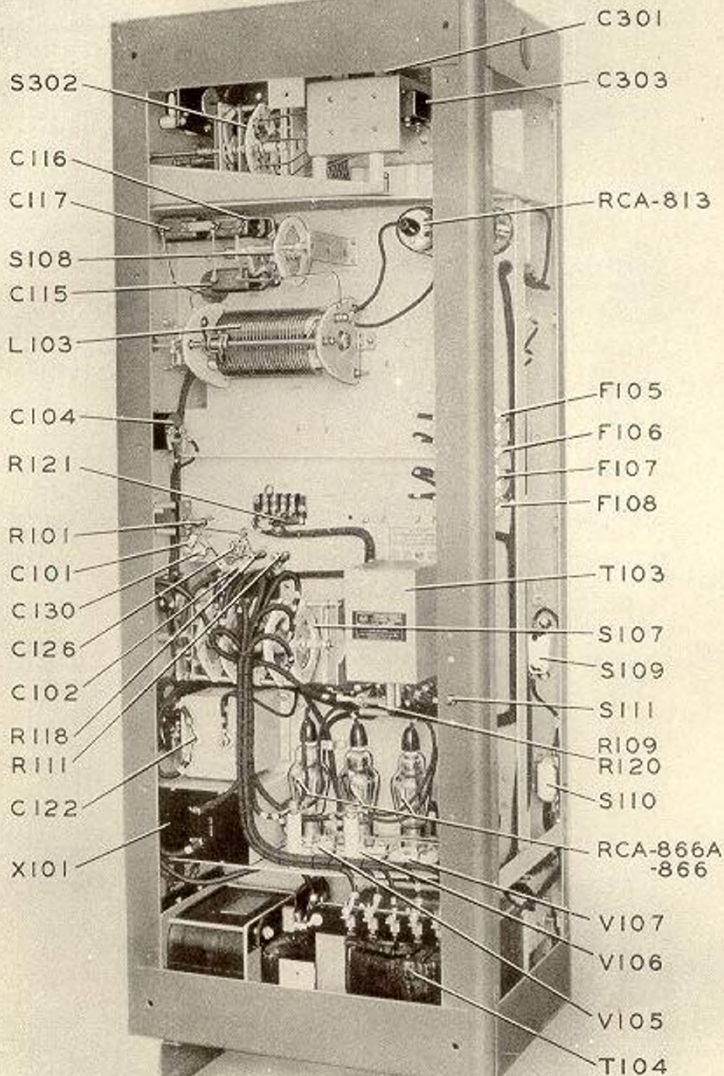
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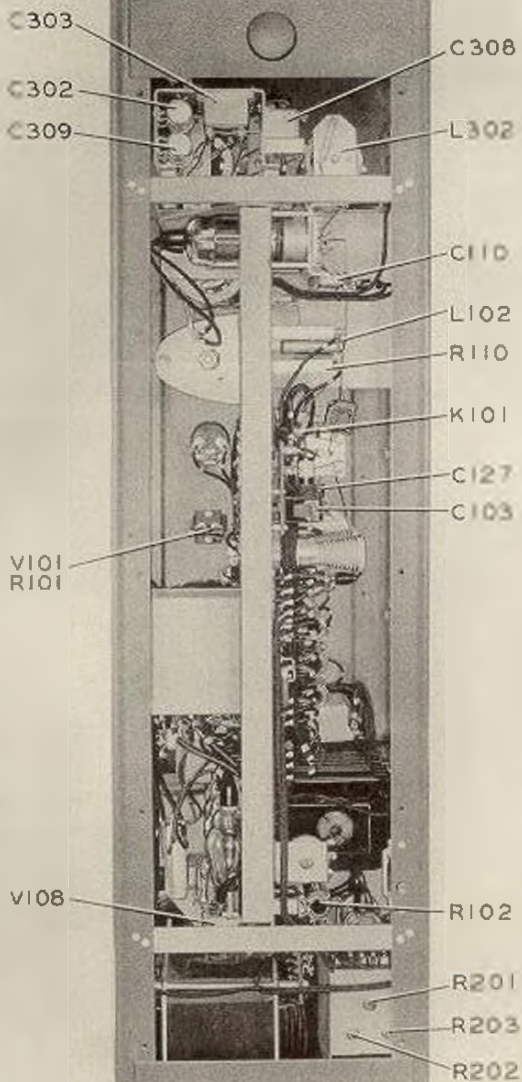
DIAL SETTING °C

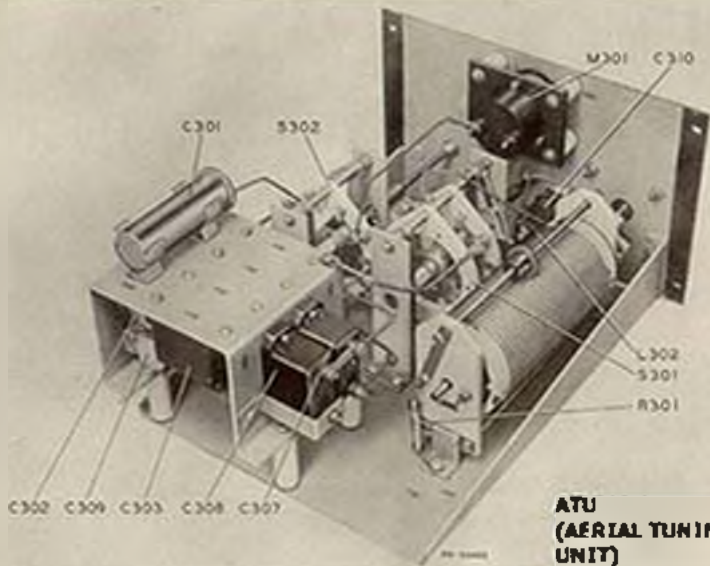
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**ATU
(AERIAL TUNING
UNIT)**