# 143-TYPE AMPLIFIERS INITIAL AND ROUTINE TESTS

	CONTENTS	PAGE	1.02 The 143-type amplifier ordinarily re-
			quires little routine maintenance testing
			except for the electron tubes and the rectifier
1.	GENERAL	1	tube V11 where voltage measurements may be
	•		obtained periodically in lieu of periodic re-
2.	AMPLIFIER TESTS	1	placement of this tube.

### 1. GENERAL

1.01 This section specifies the initial and routine tests which should be made on 143-type amplifiers. The detailed procedure and general testing requirements are covered in Section 024-107-500.

## 2. AMPLIFIER TESTS

2.01 Tests on the 143-type amplifier are specified in Table 1. If trouble in the amplifier is indicated, the tubes should be replaced first, or tested, depending upon the use and location of the amplifier. Further tests are listed in Table 1 for trouble investigation.

Table 1
Initial and Routine Tests - 143-Type Amplifiers

<u>Test</u>	Initial	Routine	Parts in Section 024-107-500 which Apply for Methods and Requirements
Primary Power Voltage Measurement and Adjustment	x	-	2(A)
Electron Tubes	x	6 Mos.	2(3)
Gain and Gain- Frequency Tests	x	-	2(C)
Noise	x	-	2(D)
Operating Voltage Measurements on Output Stage or -	х*	3 Mos.	2(F)
Replacement of Tube V11		3 Mos.	2(F)

# The following additional tests should be made as required, for trouble investigations

#### Test

Preliminary Trouble Locating	2(E)
Operating Voltage Measurements	2(F)
Electrolytic Capacitors	2(G)

\* If voltage measurements are preferred in lieu of periodic replacement of VII, it may be advisable to obtain these voltage measurements initially as a reference for future routine tests.

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