

143-TYPE AMPLIFIERS INITIAL AND ROUTINE TESTS

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1.02 The 143-type amplifier ordinarily requires little routine maintenance testing except for the electron tubes and the rectifier tube V11 where voltage measurements may be obtained periodically in lieu of periodic replacement 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> | <u>Initial</u> | <u>Routine</u> | <u>Parts in Section 024-107-500 which Apply for Methods and Requirements</u> |
|---|----------------|----------------|--|
| Primary Power Voltage Measurement and Adjustment | x | - | 2(A) |
| Electron Tubes | x | 6 Mos. | 2(B) |
| Gain and Gain- Frequency Tests | x | - | 2(C) |
| Noise | x | - | 2(D) |
| Operating Voltage Measurements on Output Stage or - | x* | 3 Mos. | 2(F) |
| Replacement of Tube V11 | | 3 Mos. | 2(F) |

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

| <u>Test</u> | |
|--------------------------------|------|
| 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 V11, it may be advisable to obtain these voltage measurements initially as a reference for future routine tests.