

## KS-16740, L2 AMPLIFIER INITIAL AND ROUTINE TESTS

### 1. GENERAL

1.01 This section specifies the initial and routine tests that should be made on the KS-16740, L2 amplifier. Information on the recommended frequency of the routine maintenance tests is also included.

1.02 In addition to the initial and routine tests, other tests may be required as a result of trouble reports. The particular tests required in such cases must be determined by the character of the reported trouble.

1.03 A spare amplifier should be patched in place of the one under test. If a spare amplifier is not available, arrangements must be made with the subscriber for release of the circuit. The subscriber should be informed of the expected duration of the tests and notified upon their completion.

### 2. AMPLIFIER TESTS

2.01 Routine tests on the KS-16740, L2 amplifier are specified in Table 1. If no trouble is indicated, additional tests will not be required.

**TABLE 1  
INITIAL AND ROUTINE TESTS**

TEST	INITIAL	ROUTINE
Primary Power Voltage Measurement	X	6 Mos.

TEST	INITIAL	ROUTINE
Electron Tubes	X	3 Mos.
Gain and Gain-Frequency Tests	X	3 Mos.
Noise	X	3 Mos.
Distortion Test	X	3 Mos.

*Note:* An X indicates tests which should be made at the time the amplifier is installed.

2.02 When trouble is suspected or indicated by the tests listed in Table 1, it will be necessary to make the tests listed in Table 2.

**TABLE 2**

#### TROUBLE LOCATING TESTS

Operating Voltage Measurements  
Resistance Measurements  
Distortion Troubles  
Electrolytic Capacitors

2.03 The detailed procedures for making the above tests as well as the test requirements are covered in Section 024-130-500. A complete description of the amplifier, its components and performance characteristics is covered in Section 024-130-100.