

KS- SPECIFICATION SPEECH AMPLIFIERS INITIAL AND ROUTINE TESTS

1. GENERAL

1.01 This section specifies the initial and routine tests that should be made on KS-specification speech amplifiers. 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 speech amplifiers are specified in Table 1. If no trouble is indicated, additional tests will not be required. The tests should be made on initial installation and at monthly intervals as indicated in the table.

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 associated sections as indicated in Table 1. General information on KS-specification speech amplifiers is provided in Section 024-150-100.

**TABLE 1
ROUTINE TEST INTERVALS (Months)
KS- SPECIFICATION SPEECH AMPLIFIERS**

TEST	AMPLIFIER			
	KS-16508	KS-16547	KS-16608 & KS-16610	KS-16617
1. AC Line Voltage	6 Mos.	6 Mos.	6 Mos.	6 Mos.
2. Electron Tubes	3 Mos.	3 Mos.	3 Mos.	3 Mos.
3. Gain Frequency	3 Mos.	3 Mos.	3 Mos.	3 Mos.
4. Distortion	3 Mos.	3 Mos.	3 Mos.	3 Mos.
5. Noise	3 Mos.	3 Mos.	3 Mos.	3 Mos.
6. Limiter Circuit	—	—	3 Mos.	—
7. Alarm Circuit	3 Mos.	—	—	3 Mos.
Testing Methods Found in Section	024-150-501	024-150-502	024-150-503	024-150-504