

GENERAL INFORMATION
ON SPEECH AMPLIFIERS

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1. GENERAL			
1.01 This practice lists a new group of KS general purpose speech amplifiers which replace existing coded and KS amplifiers. These new general purpose amplifiers are designed for use in paging and announcement systems, central office group alerting systems, main frame to test desk systems and recorder-reproducers.		KS-16610, L1	General purpose audio-frequency applications including paging systems
		KS-16617, L1	Test Desk — Main Frame

2. CODED AMPLIFIERS REPLACED

1.02 The amplifiers covered in this practice and their intended use are as follows:

AMPLIFIER	APPLICATION
KS-16508, L1	Recorder-Reproducers
KS-16547, L1	Announcement Systems
KS-16607, L1	Preamp (for use with KS-16608, L1 and KS-16610, L1 Amplifiers)

2.01 Situations will arise where it may be necessary, in emergencies, to replace an amplifier because it is in trouble. Replacement amplifiers, as indicated below, may be available in the central office to restore service quickly. The following list of KS amplifiers is included to indicate the coded amplifiers they replace. They have general application in audio-frequency systems and in paging and announcement systems.

CODED AMPLIFIER	REPLACEMENT COMBINATION	SEE NOTE
103C (12 Watts)	KS-16608, L1 Amplifier KS-16611, L1 Transformer.	1
103D (12 Watts)	KS-16607, L1 Amplifier KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	1
124A (12 Watts)	KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	—
124B (12 Watts)	KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	2 and 3
124C (12 Watts)	KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	—
124D (12 Watts)	KS-16607, L1 Amplifier, KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	—

SECTION A804.480
SECTION E47.195

CODED AMPLIFIER	REPLACEMENT COMBINATION	SEE NOTE
124E (12 Watts)	KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	—
124F (12 Watts)	KS-16607, L1 Amplifier KS-16608, L1 Amplifier, 2- KS-16611, L1 Transformers, 1-KS-16612, L1 Mixer Unit.	—
142A (12 Watts)	KS-16608, L1 Amplifier.	—
142B (12 Watts)	KS-16607, L1 Amplifier, KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	—
142C (12 Watts)	KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	3
142D (12 Watts)	KS-16607, L1 Amplifier, KS-16608, L1 Amplifier, 2- KS-16611, L1 Transformers and 1-KS-16612, L1 Mixer Unit.	—
143A (75 Watts)	KS-16610, L1 Amplifier.	—
143B (75 Watts)	KS-16607, L1 Amplifier, KS-16610, L1 Amplifier and KS-16611, L1 Transformer.	—
143C (75 Watts)	KS-16610, L1 Amplifier and KS-16611, L1 Transformer.	—
1140A (AC Operation only)	KS-16608, L1 Amplifier and KS-16611, L1 Transformer.	—

- Notes:** 1) Replacement does not provide for standby operation.
2) For program applications, the 124B is replaced by the KS-16575, L1 Amplifier.
3) For announcement system applications requiring not more than 4 watts of audio power, the 124B and 142C Amplifiers are replaced by the KS-16547, L1 Amplifier.

2.02 The KS-16508, L1 Amplifier replaces the KS-12056, L11A and KS-12056, L13A Amplifiers used in transcribed announcement systems.

2.03 The KS-16617, L1 Amplifier replaces the KS-12081, L4A Amplifier in applications for two-way communication systems between the local test desk or cable test desk and main distributing frame in telephone central offices.

3. DESCRIPTION INFORMATION

3.01 The description information for the above amplifiers is located in the following

CD sheets. The circuit schematics are also included:

AMPLIFIER	CD SHEET	SD DRAWING
KS-16508, L1	CD-95256-01	SD-95256-01
KS-16547, L1	CD-95257-01	SD-95257-01
KS-16607, L1	CD-95271-01	SD-95271-01
KS-16608, L1	CD-95272-01	SD-95272-01 SD-95275-01
KS-16610, L1	CD-95274-01	SD-95274-01 SD-95275-01
KS-16617, L1	CD-95259-01	SD-95259-01