KS-16612, L1 MIXER UNIT — DESCRIPTION

1. GENERAL

1.01 This practice provides a description of the KS-16612, L1 Mixer Unit. This is a two-channel input unit equipped with a 9-pin plug. It is designed to plug into the KS-16608, L1 and KS-16610, L1 Amplifiers when dual inputs are required.

1.02 The mixer unit is used in those situations where it is desirable to control two input signals independently of each other. The unit is equipped with two screwdriver-operated controls for adjusting the gain of each input channel. The inputs are connected through isolating resistors to the master control located on the basic amplifiers. It is also equipped with a 9-pin socket into which a KS-16611, L1 Transformer or a shorting plug may be inserted. The input arrangements for the mixer unit are discussed in more detail in the section covering the general aspects of the basic amplifiers, AA466.075 (AB48.153.5).

2. ELECTRICAL AND MECHANICAL CHARACTERISTICS

2.01 The characteristics of the mixer are as follows:

Electrical Features:

Inputs:

Two, unbalanced, 0.25 megohm gain controls.

Controls:

Continuously variable screwdriver-operated potentiometers.

Insertion Loss:

Approximately 10 db in each channel.

Mechanical Features:

Width: 2".

Length: 3".

Height: 2-3/8" for housing; 4-5/8" when mounted in basic amplifier and equipped with KS-16611, L1 Transformer.

Weight: 6 ounces.

Finish: Light gray enamel.

2.02 Fig. 1 shows the schematic of the mixer unit. Fig. 2 is a photograph of the unit without a KS-16611, L1 Transformer or shorting plug.

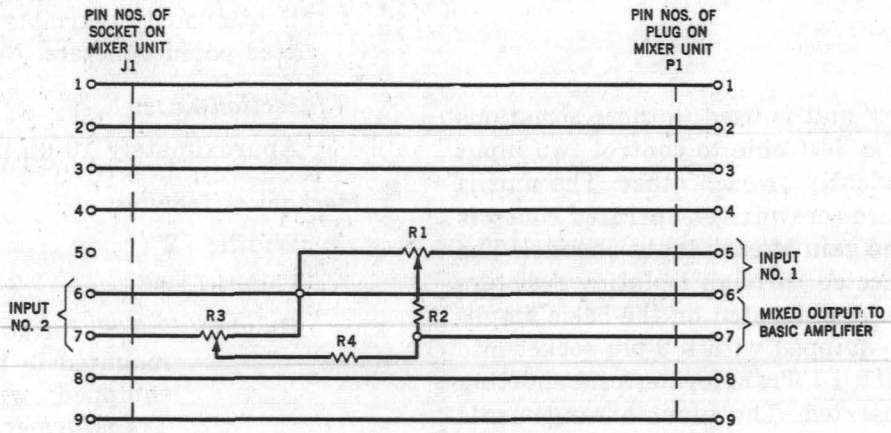

Fig. 1 – Schematic of Mixer Unit

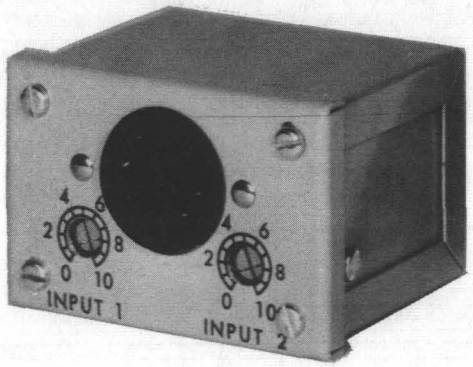

Fig. 2 – Photograph of Mixer Unit