

# SERVICE BULLETIN

## AUTOMATIC MUSIC, INC.

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Model "K"

SUBJECT: Amplifier Tubes

The tube originally designated 12AX7 is now produced in three versions: 12AX7, ECC83, and 7025. All have the same general characteristics and circuit connections.

The 12AX7 is a standard general-purpose tube. The ECC83 and 7025 are high quality tubes built to more rigid specifications than the 12AX7. The ECC83 is of European manufacture while the 7025 is made by RCA.

The European tubes are usually marked "ECC83/12AX7". This means that the tube is an ECC83 but it can be used in applications calling for a 12AX7.

Any circuit that specifies a 12AX7 can use a 7025 or an ECC83. 7025's and ECC83's can be used in circuits calling for either type. 12AX7's should not be used where the 7025 or ECC83 is specified.

The input stage of our new amplifier requires a 7025 or an ECC83. All other stages can use general purpose tubes. In practice, we use ECC83's throughout.

For replacement purposes, ordinary 12AX7's can be used in those sockets marked "ECC83/12AX7". The input stages - the shielded tubes - must have ECC83's or 7025's.

APPLICATIONS ENGINEERING

CLB/hr