



# SERVICE BULLETIN

EQUIPMENT TYPE 75A-1

BULLETIN NO.

2

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Subject: Instructions for Connecting a Panadaptor to a Collins  
75A-1 Receiver

## Panadaptor

A Panadaptor with its input amplifier tuned to 500 kc must be used. If your Panadaptor is not designed for 500 kc input, the instrument will have to be retuned or modified. In the event the normal tuning adjustments in the input amplifier transformer of the Panadaptor on hand will not permit tuning these transformers to a center frequency of 500 kc, it will be necessary to replace the fixed shunt tuning condensers, used with these transformers with condensers of smaller capacity so that it will be possible to retune the amplifier to a center frequency of 500 kc.

## 75A-1 Receiver

The proper place to connect the Panadaptor input coax cable in the 75A-1 is between the plate pin of the second mixer tube and ground. This is a 6L7 tube (V4). In connecting a Panadaptor to the 75A-1, a one mmfd. condenser is used instead of a 60,000 ohm resistor, which is used when connecting to a conventional receiver.

In the case of the 75A-1 this one mmfd. condenser should be connected between pin #3 on V4 and the inside conductor in the coax cable. The outside conductor of the coax cable is connected to a chassis ground. This method, which can be used only with a 75A-1, has the advantage that the IF amplifier in the 75A-1 is not detuned and no insertion loss occurs. For best operation of the Panadaptor it is suggested that the sweep width in the Panadaptor be kept below 100 kc.

