

DATE 4/5/54
 SH. 1 OF 1
 COMPILED BY
 G.T. Orefice

TMC SPECIFICATION NO. S- 201 (A)

TITLE: Modification of FFRD-5 & 6 RCAF JOB

APPROVED G.T.O

A. PURPOSE:

To provide a modification procedure for Models FFRD-5 and FFRD-6 to provide for greater HFO excursions

Requests from the field have indicated the desirability of increasing the deviation of the receiver HFO when used under certain remote control conditions. The Tuning Drawers as supplied from the factory provide a 1 Kc per Mc shift for an input voltage of ± 3 volts on the HFO reactance tube. This modification makes possible a ± 4 Kc per Mc minimum overall shift of the HFO for the input voltage.

B. COMPONENTS REQUIRED

1. Model FFRD-5, C-525, replace with Part CC21SL15J
2. Model FFRD-6, C-625, replace with Part CC21SL27J

C. WIRING PROCEDURE

Remove bottom plate from the Model FFRD-5 and remove Capacitor C-525, Part CC21SL47OK. This capacitor is wired between pin 5 of reactance tube V503 and a terminal post. Connect Part CC21SL150J between pin 5 of V503 and the grid tap of the oscillator coil L502 as shown below. DO NOT apply too much heat to the coil lug. Replace bottom cover plate. Rebalance reactance tube circuit by means of C523 followed by readjustment of the oscillator trimmer C527 at the high end of the tuning range. See FFR Instruction Manual for alignment procedures.

A similar modification is performed on the Model FFRD-6 Tuning Drawer. Part CC21SL270J replaces CC21SL47OK.

D. PICTORIAL SCHEMATIC

