



SERVICE BULLETIN

EQUIPMENT TYPE 75A-3

BULLETIN NO. 3B

DATE 11-24-54

SUBJECT: The following modification can be made to 75A-3 Receivers, Serial Number 1299 and under using the high-loss F455B series filters, and will improve the receiver performance.

Procedure: The following changes to the 75A-3 will result in a 2 to 1 improvement in the cross modulation and blocking characteristics of the receiver.

1. Change V1 from 6CB6 to 6DC6.
2. Remove R66 (120 ohms) and C106 (cathode bypass), tie pins 2 and 7 of RF amplifier to ground.
3. Remove R65 (1.5 megohm).
4. Change R7 from 68 ohms 1/2 watt to 180 ohms, 1/2 watt.
5. Check to see that pins 2 and 7 of V18 are grounded. If not, ground them.
6. Remove AVC from pin 3 of mechanical filter box assembly. Connect pin 3 of filter box to junction of R57, R58 (RF gain control and minimum bias resistor).
7. Add R84, 100 ohm, 1/2 watt resistor and connect between pin 7 of V7 and R50. Move present connection junction R67 and negative side of meter from junction of R50 and R49 to junction of R50 and R84.
8. Change R67 to 220 ohms, 1/2 watt \pm 5%.
9. Change R47 to 220 ohms, 1/2 watt \pm 5%.
10. Change R50 to 56 ohms, 1/2 watt \pm 10%.

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Note: This bulletin replaces Revised Bulletin No. 3A dated November 18, 1954, and corrects step 7.

