

## SERVICE BULLETIN

EQUIPMENT TYPE

75A-4

BULLETIN NO.

3

DATE 9-18-57

Page 1 of 1

## SUBJECT: ELIMINATION OF RF PICKUP WHILE IN STANDBY POSITION

For most installations the standby circuit in the 75A-4 Amateur Receiver is entirely satisfactory. However, Collins has received a few reports of customers being unable to completely quiet their 75A-4 while transmitting. It has been found that RF getting into the audio stages of the receiver, through accessory equipment wiring, has generally been the cause of this trouble.

While the problem has not been serious enough to warrant a production revision to the receiver design, the following changes and additions are recommended for instances of this difficulty.

1. Remove the bottom panel from the receiver cabinet to expose the under-chassis wiring.
2. Add a 56 uuf capacitor (912 0477 00) from pin 2 of tube socket XV13 to the common ground return for XV13.
3. Add a 56 uuf capacitor (912 0477 00) from pin 7 of tube socket XV13 to the common ground return for XV13.
4. Add a 100 uuf capacitor (912 0495 00) from pin 7 of tube socket XV22 to the

- common ground return of XV22.
5. Add a .001 ufd capacitor (913 3009 00) from pin 1 of tube socket XV10 to the common ground return for XV10.
6. Add a solder lug (304 0317 00) under the terminal strip mounting screw nearest terminal "M" of terminal strip E3.
7. Remove grounded end of capacitor C141 from E3 terminal G and reconnect to the solder lug of step 6.
8. Add a solder lug (304 0317 00) under the terminal strip mounting screw nearest terminal "500" of terminal strip E4.
9. Add a .01 ufd capacitor (913 3013 00) from the 4 ohm terminal of terminal strip E4 to the solder lug installed in step 8. Do not solder at lug.
10. Add a .01 ufd capacitor (913 3013 00) from the 500 ohm terminal of terminal strip E4 to the solder lug of step 8. Solder.
11. Replace bottom panel of receiver cabinet.

## ADDITIONAL PARTS REQUIRED

QTY.	DESCRIPTION	COLLINS PART NUMBER	UNIT PRICE	TOTAL
2	Capacitor: mica, 56 uuf ±10%, 500 wv	912 0477 00	.17	\$ .34
1	Capacitor: mica, 100 uuf ±10%, 500 wv	912 0495 00	.17	.17
1	Capacitor, ceramic disc, .001 ufd, +100—20%, 500 wv	913 3009 00	.10	.10
2	Lug, shakeproof solder #4	304 0317 00	.01	.02
2	Capacitor, ceramic disc, .01 ufd, +100—20%, 500 wv	913 3013 00	.42	.84
				\$1.47

All or any portion of the above listed parts may be obtained by ordering from Collins Radio Company, Service Parts Department, Cedar Rapids, Iowa, at the indicated prices and will be available after November 1, 1957. All orders for these parts should specify the quantity, description, and Collins Part Number of the parts desired, and should make reference to this Service Bulletin.

