



# COLLINS RADIO COMPANY

CEDAR RAPIDS, IOWA, U.S.A.

AMATEUR SERVICE AGENCY BULLETIN NO. 1004 DATE: August 3, 1960

EQUIPMENT TYPES: KWM-2, KWM-2A, 75S-1, 75S-2

SUBJECT: Information

## KWM-2, KWM-2A

NOTE: Items marked by asterisks (\*) are recommended for all KWM-2/2A equipments when being serviced by Authorized Service Agencies.

- \* 1. Because of the variation in tube and circuit tolerances, the transmit second mixer, (V6-12AT7) sometimes runs above the rated plate dissipation. This may result in reduced tube life. To promote longer tube life, the plate dissipation has been reduced by changing plate resistor R143 from 1500 ohm 1/2 watt to 2200 ohm 1 watt (CPN 745-3366-00).
- \* 2. To provide improved ALC zeroing, resistor R38, 150 ohm 1/2 watt, has been changed to 220 ohm 1/2 watt (CPN 745-1324-00).
- \* 3. To eliminate a parasitic oscillation tendency in the tone oscillator circuit, capacitor C261 has been added from tube socket XV2 pin 2 to ground. This is a 100 uuf capacitor, CPN 912-2817-00.
- 4. The BFO instability encountered in some transceivers has been eliminated by changing the value of two capacitors.
  - A. Capacitor C53 was changed from 22 uuf to 15 uuf, CPN 912-2760-00. It is located at tube socket XV11 pin 2 to ground.
  - B. Capacitor C55 was changed from 47 uuf to 100 uuf, CPN 912-2816-00. It is located on tube socket XV11 pin 3 to ground.
- \* 5. To eliminate the possibility of ALC coupling capacitor C157 breaking down, a capacitor rated at 500 vdc will be used, CPN 913-3152-00.

## 75S-1, 75S-2

- 1. The values of C33 and C34 have been selected by the manufacturing test department to resonate with the Mechanical Filter. The parts installed may not always agree with the schematic.

8-3-60

2. Capacitor C120, 15 uuf (CPN 912-2760-00), has been added in parallel with C75. This will eliminate the possibility of misalignment of the crystal oscillator on 21 megacycles.

CONTENTS OF AND INFORMATION IN THIS AMATEUR SERVICE  
AGENCY BULLETIN ARE CONFIDENTIAL AND SHOULD BE RECOG-  
NIZED AS A SERVICE TO THE AMATEUR THROUGH THE SERVICE  
AGENCY.