



Wulfsberg Electronics Division

A Chelton Group Company

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Cognizant Engineer: 

DOES NOT CHANGE ORIGINAL APPROVAL

SERVICE BULLETIN

EQUIPMENT: C-5000

DATE: March 18, 1998

BULLETIN NUMBER: WSB C-5000-1

EFFECTIVITY

C-5000 P/N 31300-0X0X-03XX, -0X3X, -0XX3, -13XX, -1X3X, and 1XX3, serial number 2517 and below. Units with serial numbers above those stated have Mod 27 incorporated during original manufacturing.

C-5000 P/N 31300-0X0X-23XX, -2X3X, & 2XX3, serial number 2517 and below. Units with serial numbers above those stated have Mod 23 incorporated during original manufacturing.

(X = any allowable configurations)

REASON

Changes will improve CTCSS and Digitally Coded Squelch (DCS) receives tone operation.

DESCRIPTION

This modification consists of removing a jumper, and adding a capacitor.

COMPLIANCE

Recommended at next scheduled maintenance period.



WARRANTY INFORMATION

Units still in the warranty period may be returned for installation of this modification under the terms of the warranty agreement. Units should be sent to:

Wulfsberg Electronics Division
Attention: Repair and Overhaul Department
6400 Wilkinson Drive
Prescott, AZ 86301

APPROVAL

This modification does not affect the original approval.

REFERENCES

C-5000 Installation Manual, P/N 150-1355-000.

MODIFICATION PROCEDURE

1. Remove the cover to access the Tone Module.

CAUTION

Any disassembly/assembly of the C-5000 must be done at a static-safe workstation. Removed modules should be placed in antistatic bags when not installed in the unit.

2. See Figure 1. Remove jumper JMPA, as shown in Figure B.
3. Add capacitor C29, P/N 096-01082-0046, across capacitor C18, positive side points to Q2, as shown in the enlarged detail of Figure 2.
4. Secure item 1 to U3 using Tac Pak adhesive, as shown.
5. Reinstall the cover.

IDENTIFICATION PROCEDURE

For a C-5000 P/N 31300-0X0X-03XX, -0X3X, -0XX3, -13XX, -1X3X, or -1XX3, stamp an X on the modification section of the Unit Serial Tag to indicate that Mod 27 is complete.

For a C-5000 P/N 31300-0X0X-23XX, -2X3X, or -2XX3, stamp an X on the modification section of the Unit Serial Tag to indicate that Mod 23 is complete.



TESTING PROCEDURE

Perform a complete functional test of the unit in accordance with Section VI (System Checkout) of the Installation Manual.

In addition to the system checkout the Flexcomm system should be verified for proper DCS squelch operation by coupling a service monitor or a transmitter with DCS tone capability on to the antenna at an appropriate receiver sensitivity signal level. DCS squelch should operate properly for tone modulation above 100 Hz and below 1000 Hz deviation.

MATERIAL INFORMATION

The parts required to modify a C-5000, per this Service Bulletin, are available from Wulfsberg Electronics Division, at (502) 708-1518. The part numbers are as follows:

<u>ITEM</u>	<u>QUANTITY</u>	<u>PART NUMBERS</u>	<u>DESCRIPTION</u>
1	1 each	096-01082-0046	Capacitor Tantalum 39uf 10V
2	2 applications	16012-3	Tac Paks Adhesive



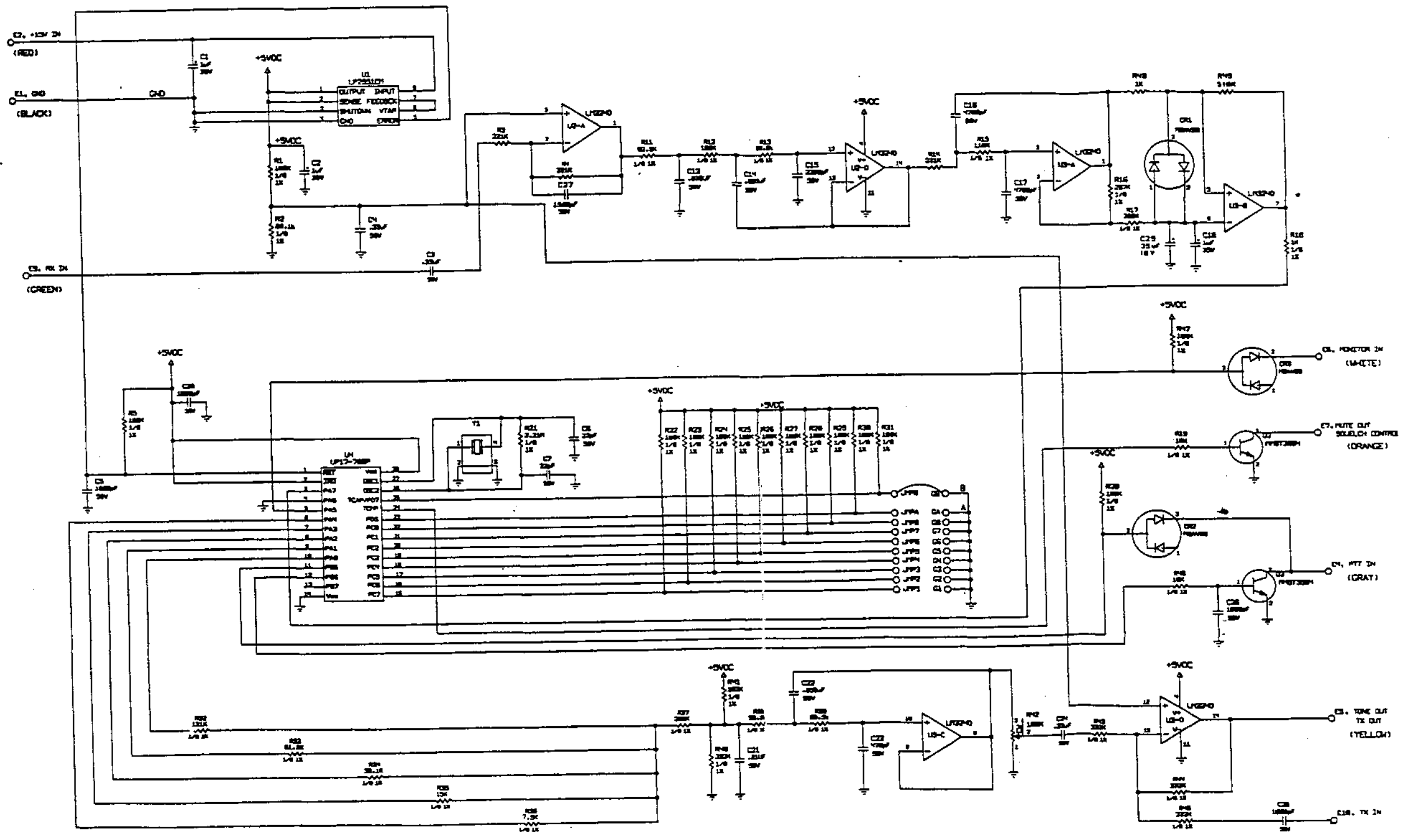


Figure 1
 C-5000 Tone Module
 152-018390

February 26, 1998
 WSB C-5000-1

P/N 620-00020-0020
 Page 4 of 5



NOTE:

REMOVE JUMPER JMPA.
 ADD CAPACITOR C29, ACROSS CAPACITOR C18.
 POSITIVE SIDE POINTING TO Q2.
 SECURE CAPACITOR TO U3.

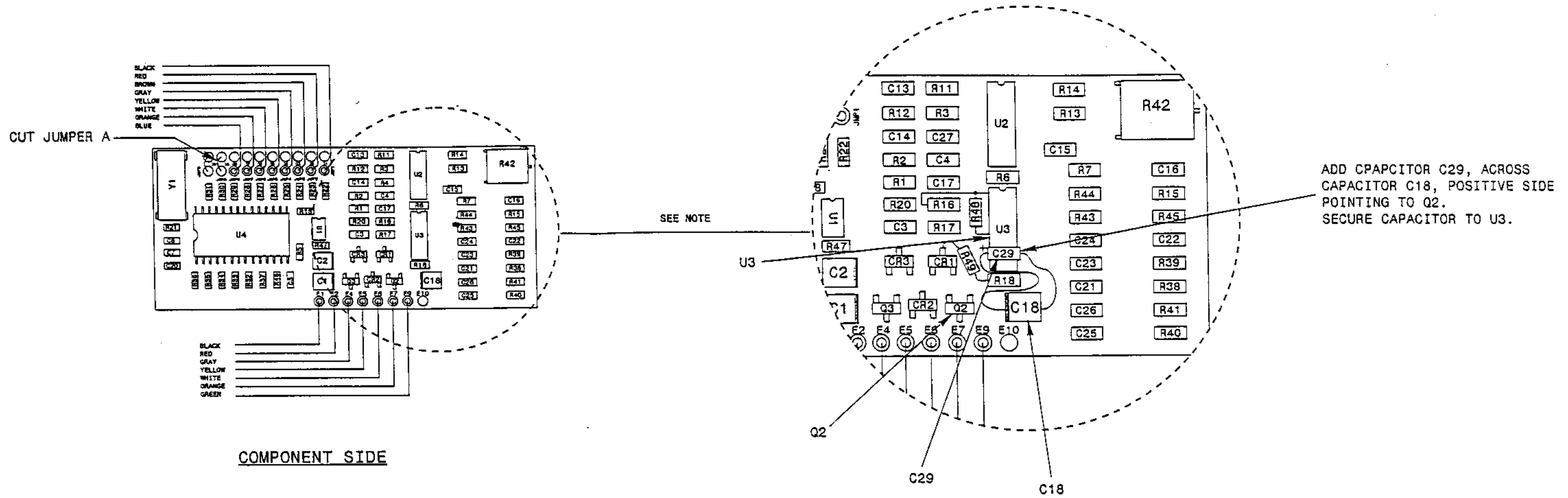


Figure 2
 C-5000 Tone Module
 300-018390