



PRODUCT ADVISORY LETTER NO.: C046-97002

DATE: MARCH 3, 1997

AFFECTED PRODUCT(S): TC-10B/TCF-10B (shipped between 1-2-97 and 1-23-97)

AFFECTED MODULE(S): Receiver modules (style # - 1606C32G01-3, having white bar-coded stickers on the back with a serial # of UCRXVx-97xx)

SYMPTOM(s): After the unit has been in service the front panel frequency switches may not work if you try to change frequency or the receiver may work intermittently.

RECOMMENDATION: Pulsar recommends the corrective action listed below be taken for all Receiver modules shipped between the dates listed above.

CORRECTIVE ACTION: Call Pulsar at phone # 800-785-7274 (ext. 211 or customer service) to obtain a RMA number and reference this PAL. Remove the Receiver module from your chassis and send it back with the RMA number on the outside of the box. If needed Pulsar can provide an advance replacement module to keep your unit in service. This is covered under warranty and is available at no charge.

TECHNICAL DETAILS: A change was made to the synthesizer subassembly since one of its IC chips became obsolete by our supplier and was no longer available. This change caused more current to be drawn causing the voltage regulators in the synthesizer to act erratically. To correct this problem two resistors need to be changed on the main board and the two +5V voltage regulators on the synthesizer subassembly have to be changed to a different type.

Pulsar Technologies appreciates your past support and we want to continue to provide you the best service possible. Please help us by letting us know if future notices should be sent to another individual.

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IN HOUSE DETAILS:

A change was made in rev. 22 of the synthesizer subassembly to substitute a Motorola IC for an obsolete Plessey IC, I8, that was no longer available from Plessey. This new part draws more current and caused the zener diode voltage regulation on the main board to drop the +/-3.6V supply slightly too low in some cases when this circuit heats up. The most sensitive components to this drop in voltage are the two +5V voltage regulators on the synthesizer subassembly, which in turn cause the microprocessor on the synthesizer to malfunction. This problem can occur after running the unit for only a few minutes or after hours of operation. To correct this problem 2 resistors need to be changed on the main board and the two +5V voltage regulators on the synthesizer subassembly have to be changed to a different type.