



## **PRODUCT ADVISORY LETTER NO.: C046-97001**

**DATE:** February 25, 1997

**AFFECTED PRODUCT(S):** TC-10B

**AFFECTED MODULE(S):** Receiver Output (style # - CC20-RXSMN-001)

**SYMPTOM(s):** If terminal TB1-2 or TB1-5 on the TC-10B chassis is connected to station battery negative and the unit is powered up, then it causes parts on the Receiver Output module to fail.

**RECOMMENDATION:** Pulsar recommends the system manual, especially the new section for the Receiver Output module, be read thoroughly before installing.

### **CORRECTIVE ACTION:**

Terminals TB1-2 and TB1-5 on the TC-10B chassis should be used only for interfacing to high input impedance relays such as the microprocessor based relays. It should not be used with any low impedance relays.

### **TECHNICAL DETAILS:**

The new Receiver output module that replaces the old style # 1606C35G01-2 does not use terminals TB1-2 and TB1-5 on the TC-10B chassis in the same way as the old module. On the old style module these terminals were used to connect station battery negative to a 15V zener diode on the module and produce a 15V output for the two outputs when their corresponding jumper on the module is set to 15V output. When a new Receiver output module is plugged in, these same two terminals are used to give a non-current limited voltage output that matches whatever voltage is applied to terminals TB1-1 and TB1-4 on the TC-10B chassis. There is a solid state switch, that can handle up to 1 amp max., on the new Receiver output module that connects TB1-1 to TB1-2 for output #1 and connects TB1-4 to TB1-5 for output #2 when there is an output.

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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