

## SERVICE BULLETIN AMATEUR RADIO

**SUBJECT**

PS-430 VOLTAGE INCREASE WITH TH-205/215

**DATE**

6/02/88

When the PS-430 is used as an external D.C. power supply for the TH-205/215, the output voltage may increase to approximately 20V due to RF feedback. This condition is restricted to operating in the high power mode with the supplied helical antenna. Adding a by-pass capacitor between the base and emitter of Q2 on the AVR board of the PS-430 will correct this occurrence.

**REQUIRED PART:**

1000pF, 50V capacitor

PART # CK45B1H102K

1. Remove power from the PS-430.
2. Remove the top cover of the power supply (10 screws).
3. Locate transistor Q2 on the upper left hand side of the AVR board (X43-1440-00). The transistor and thermistor TH1 are covered with a piece of shrink tubing to keep them in close contact with one another.
4. Remove the shrink tubing from Q2 and TH1.
5. Tack solder a 1000pF capacitor between the two outside leads of Q2 (base and emitter).
6. Reinstall the shrink tubing (if it no longer fits, just make sure that the thermistor is in physical contact with the transistor).
7. Reinstall the top cover.

PAGE 1 OF 2

This modification is not covered under warranty.  
Time required for this modification is 0.5 hrs or less. (C) 50188TKC