

## **IC706 Repairs and Symptoms**

### **IC706: Poor RX sens.-My 706 has low RX sensitivity on 2 meters.**

You probably have a burned D6 diode on the PA unit. Replace this diode (MA862).

### **IC706 TX Power: My 706 has no TX power output on one or two HF bands.**

There's a bad filter relay. Locate and replace faulty filter relay (will be type AHY-103) on the filter circuit board.

### **IC706 Low power: My 706 has low TX output on HF and 6 meters.**

There is probably a shorted D18 diode and Q1 transistor in filter unit. Replace D18 diode (DAP222) and Q1 transistor (2SC4081).

### **IC-706 Low Mic Gain: My 706 has low microphone gain.**

Change the value of R236 resistor from 27 k, to 68k-82 k. The higher the resistor value, the greater increase in mic gain.

### **IC706 Off Freq-Off frequency in FM TX. Other modes OK.**

FM VCO lock voltage needs adjustment. Adjust FM VCO lock voltage for 1.5 volts as per service manual.

### **IC706 TX Mode: My 706 is stuck in TX mode.**

Shorted T/R switching transistor. Replace shorted Q32 transistor in main unit.

### **IC706 No Power up: My 706 won't power up.**

You may have a burned ground circuit trace in the flex cable. Replace the flex cable (EP2) at the mainboard.