

**Field Service
TECH TIP
NEWS****RI-0011**

TECH TIP NUMBER

04-27-01

DATE

IM-5006

PRODUCT

SLOW RUNNING REAL TIME CLOCK

SUBJECT

PURPOSE: In some instances the real time clock may run slow. This modification will correct this situation.

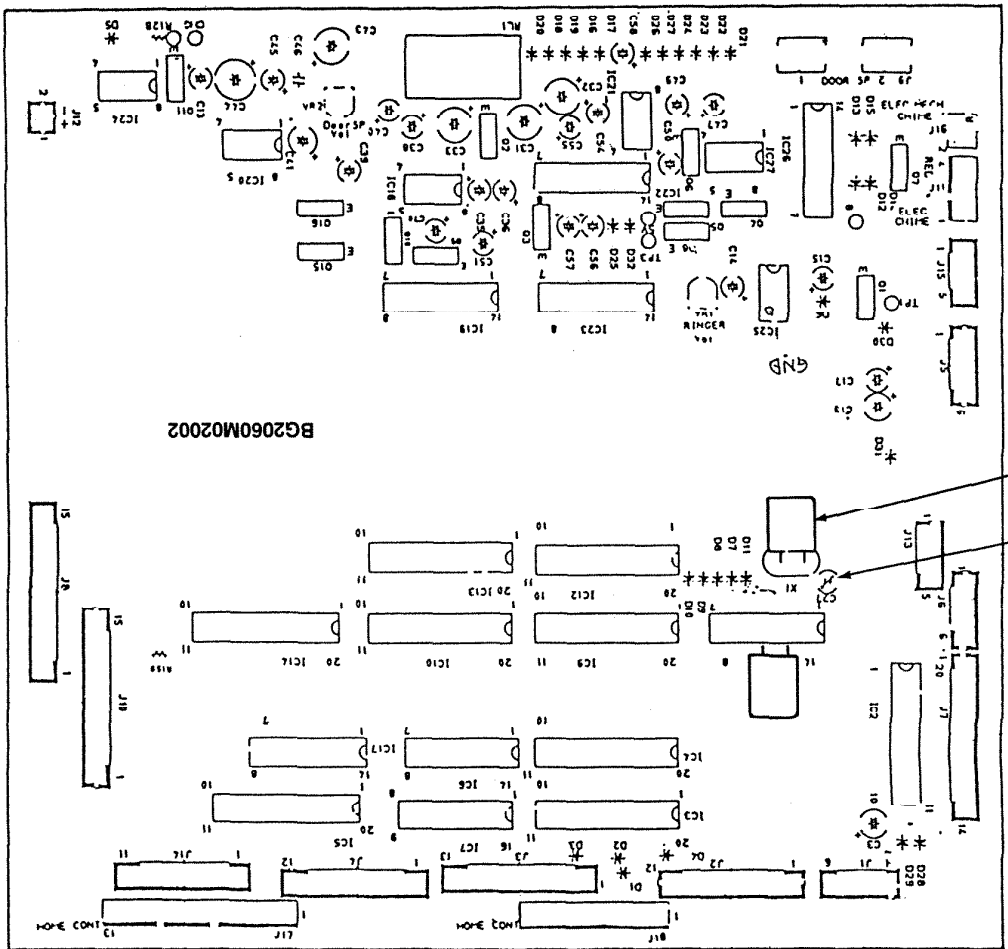
TOOLS REQUIRED: Phillips screw driver, needle nose pliers, wire cutters, small jeweler's straight blade screwdriver, soldering iron (small tip) and solder.

COMPONENTS REQUIRED: One 27pf ceramic disc capacitor.

PROCEDURE:

1. Disconnect main power from system by turning off main breaker or disconnecting low voltage AC supply wires.
2. Locate Control PC Board left side of master station.
3. Locate Crystal X1 on Control PC Board - Figure 1.
4. Carefully desolder and pull from mounting hole, the right lead of X1 - Figure 2.
5. Carefully lay X1 on its side as illustrated in Figure 3.
6. Bend the lead of a 27pf capacitor so they are at a 90 degree angle - Figure 4.
7. Install the 27pf capacitor as illustrated in Figure 5, making sure that no shorts or solder bridges have been formed.
8. Locate C27 on Control PC Board - Figure 1 and adjust to half - Figure 6.
9. Apply AC power and check for proper operation.

1



ROUGH-IN

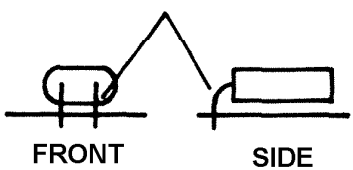
CRYSTAL X1

TRIM CAPACITOR C27

CONTROL PC BOARD

2

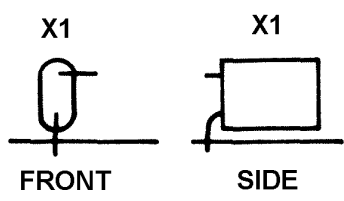
DESOLDER AND LIFT THIS LEAD



FRONT

SIDE

3



FRONT

SIDE

4

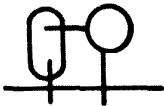
27pf



90 DEGREES

5

X1 27pf



FRONT

6

C27



ADJUST TO HALF