

merit industries, inc.

FIELD BULLETIN

Date: 11-14-96

- Issue:** Internal RAM clock not working properly.
- Games affected:** Megatouch Tournament games in which the system clock has exhibited a problem keeping the correct time. This change is *not* needed if your game has not exhibited this problem.
- Symptoms:** Tournament system clock gains/loses time.
- Cause:** Noise spikes interfering with the clock signal.
- Solution:** Add 10 μ F tanta capacitor (Merit P/N CP4499) and .1 μ f ceramic capacitor (Merit P/N CP1026) to U31 on the CRT-260. A kit is available from Merit Customer Service at 1-800-445-9353.

INSTALLATION INSTRUCTIONS

1. Turn off the game and disconnect it from all power.
NOTE: BEFORE HANDLING THE CRT-260 BOARD, GROUND YOURSELF TO REMOVE ANY STATIC CHARGE THAT MAY BE ON YOUR BODY.
2. Locate and gain access to the CRT-260 PC board (if unsure where to locate your CRT-260 board, see your game manual).
3. Disconnect the main harness, from the J3 header, and any cables and ground straps attached to the CRT-260 board and remove the board from the cabinet.
4. Solder the .1 μ F ceramic capacitor across the 10 μ F tanta capacitor, as shown in Figure 1.
5. Turn the board to the solder side and find the location of the U31 NV RAM chip.
6. Place the piece of kapton tape between the pins for U31 to protect the traces.
7. Solder the positive (“+”) lead, of the 10 μ F tanta capacitor, to Pin 28 of U31 and solder the other lead to Pin 14. See Figure 1. **NOTE: BE CAREFUL NOT TO ALLOW THE CAPACITOR LEAD, OR THE SOLDER, TO CONTACT ANY OF THE NEIGHBORING PINS.**
8. Reinstall the CRT-260 board, reconnecting the main harness to the J3 header on the CRT-260 and any cables and ground straps you disconnected in Step 2.
9. Put the CRT-260 board back into place and close all doors.
10. Reconnect the power and turn on the game.

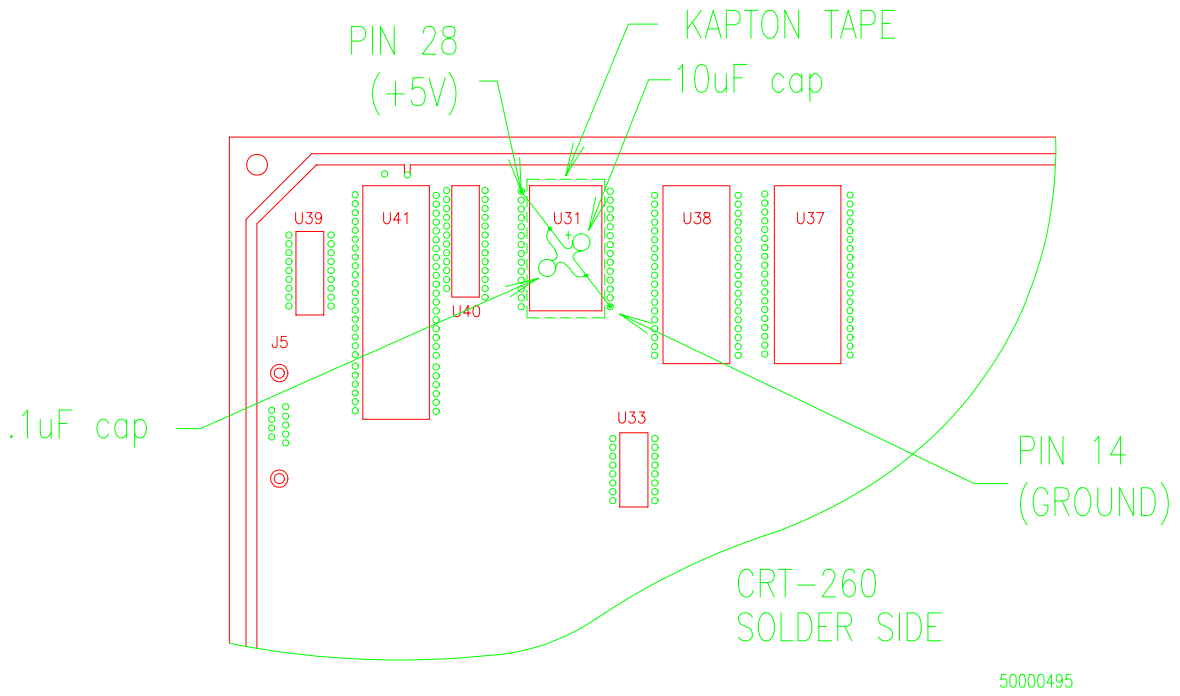


Figure 1 - Capacitor Installation Location, U31 of the CRT-260