

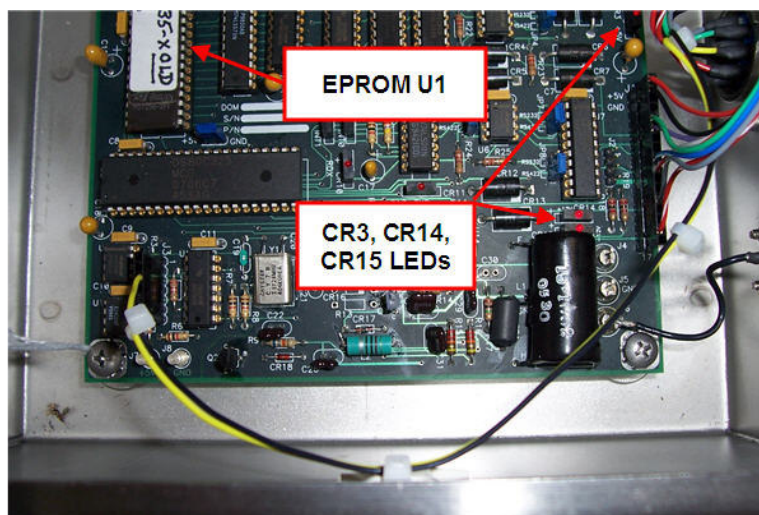
FORTÉ PROCEDURE #83-1015:

CHANGING THE EPROM IN THE FORTÉ SERIES #42-1024 MICRO/OSCILLATOR

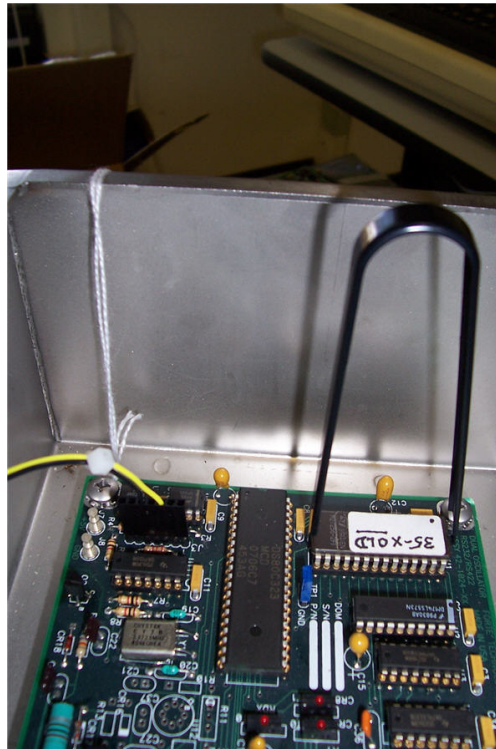
Part Required: 27C512 EPROM (Forté part# 34-1084) with Series #35-XXXX program.

Tools Required: Phillips Screwdriver, IC Extractor for 28-pin DIP

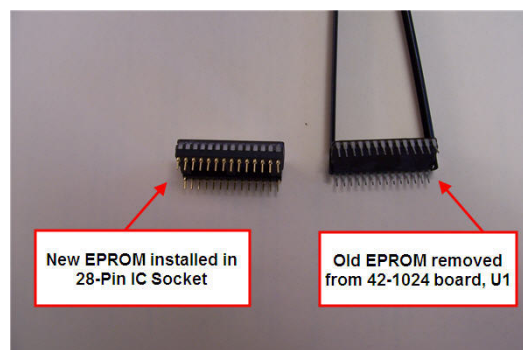
1. Shutdown the Forté 8760 program.
2. Stop the bale press.
3. Shut off the DC power to the Forté Oscillator Enclosure by turning off the Forté power supply chassis at the system console, or at the Remote Power Supply. The quickest method to disconnect power is to completely remove the black signal cable from connector OJ1 on the stainless steel oscillator enclosure mounted on the bale press platen (ram). The black cable comes from connector PJ2 on the Forté Photoelectric Control Unit assembly mounted near the press.
4. Open the cover on the Forté Oscillator Enclosure by unscrewing the retaining screws holding the clamps down.
5. Touch the grounded press platen with your bare hand to remove any static charge before touching the board inside the Forté Oscillator Enclosure.
6. Inside the enclosure is a board similar to that shown on Diagram 1. The red power indicating LED's at CR3, CR14, and CR15 should be off. These LED's are located near connector header J1.



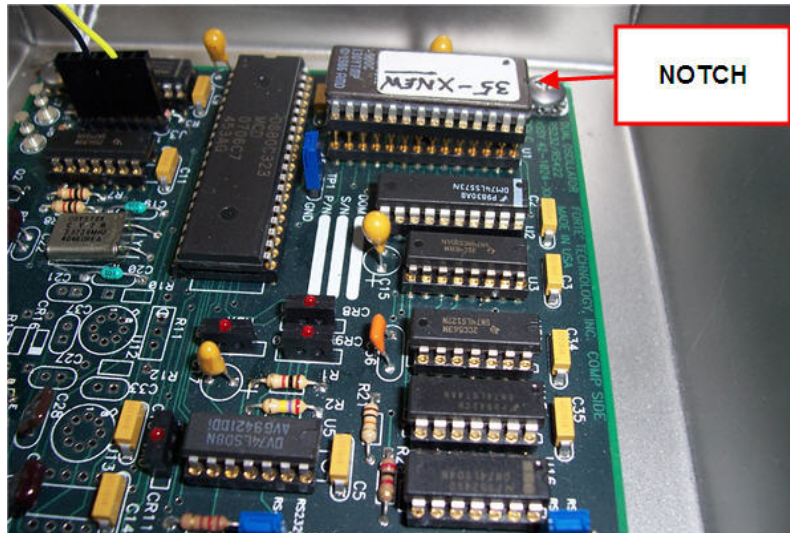
7. **NOTE: Before pulling up on the EPROM with the extraction tool, make sure that the extractor is hooked only to the EPROM. Pulling up on the 28-pin IC holder, which is soldered to the board, will damage the tracks.**
8. Using an IC Extraction tool designed for 28-pin DIPs remove the IC located at chip position U1 on the 42-1024 board. There is only one 28-pin IC on the board. It should have a white label with a firmware identification number in the format of “35-XXXX”. Pull straight up on the IC to remove it. For extraction tools with thin prongs, pull up one side of the EPROM slightly so that the legs along one side are half-way out of the IC holder. Slide the extraction tool to the other side of the EPROM and repeat. You can then move the tool to the middle of the EPROM and a slight pull should lift out the entire IC.



9. Get the new EPROM to be installed at position U1. It is shipped installed in a 28-position IC socket to prevent the legs from being bent. Both the IC and socket assembly can be inserted at U1.

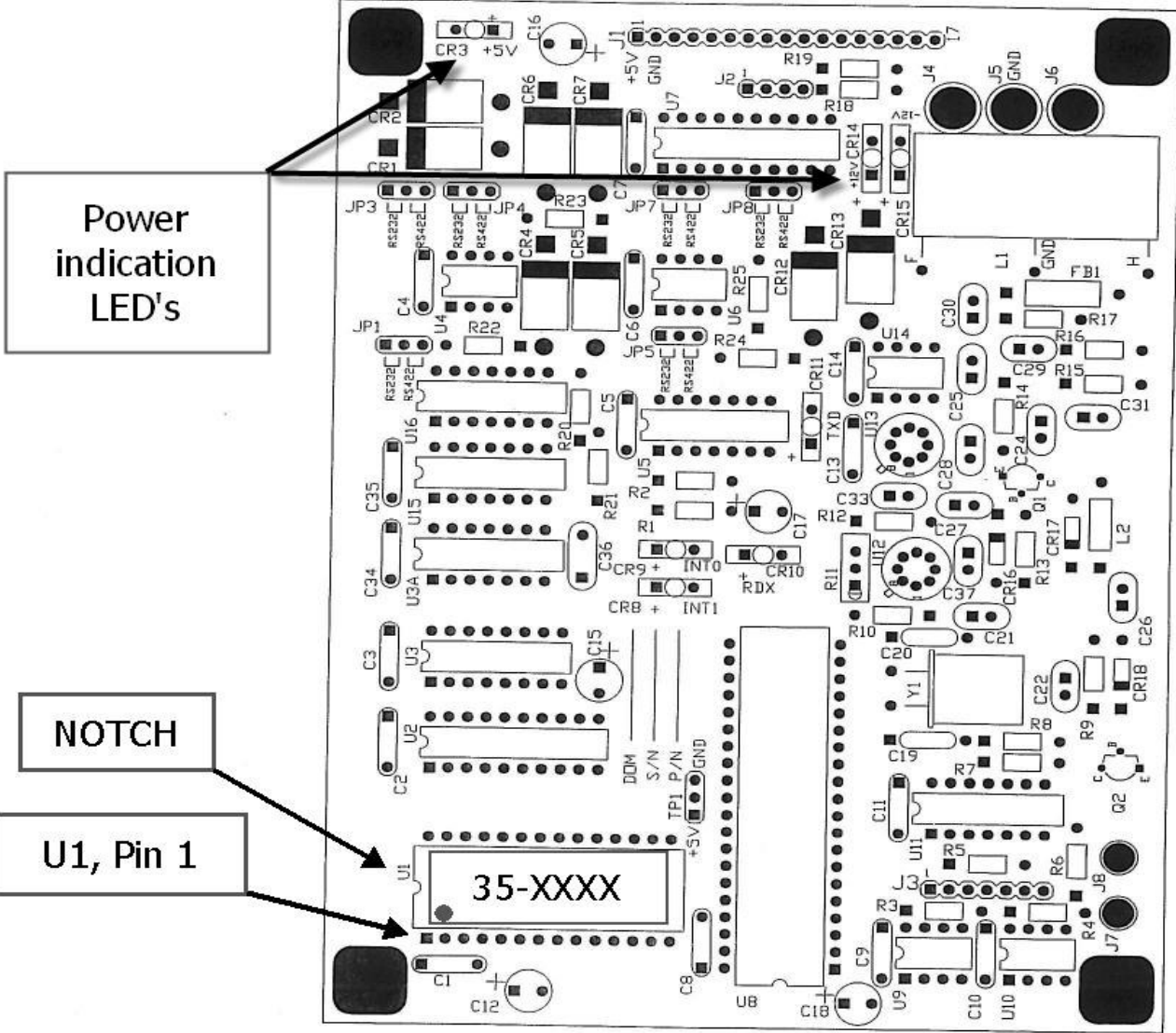


10. CAUTION: Be sure that the notch on one end of the IC is facing the edge of the oscillator board as shown on Diagram 1. There is also a DOT on the white label indicating the side of the EPROM that should be aligned with the pin-1 side of the socket connector at U1.



11. Align the pins on the EPROM with sockets at U1 and press straight down until all the pins are completely seated.
12. Screw the cover back down on the oscillator enclosure. Plug the cable back into connector OJ1, and/or turn on the Forté power supply.
13. Start the Forté 8760 program.

FORTE Series #42-1024 Oscillator Board
Diagram #1



Power indication LED's

NOTCH

U1, Pin 1